E50V/Z50F7B
Job Number
Scan Code

B-SCAN NUMBER	SHEET NUMBER	SHEET TITLE	SCALE
		STRUCTURAL GENERAL SERIES	
S-000.01	HYE-TA-S0-000A	SHEET INDEX	NTS
S-007.00	HYE-TA-S0-0005	MTA NOTES	NTS
S-020.01	HYE-TA-S0-0102	LOADING DIAGRAMS	NTS
S-021.01	HYE-TA-S0-0304	LOADING DIAGRAMS	NTS
S-022.01	HYE-TA-S0-0506	LOADING DIAGRAMS	NTS
S-023.01	HYE-TA-S0-0708	LOADING DIAGRAMS	NTS
S-024.01	HYE-TA-S0-0900	LOADING DIAGRAMS	NTS
S-025.01	HYE-TA-S0-1000	LOADING DIAGRAMS	NTS
S-026.01	HYE-TA-S0-1001	LOADING DIAGRAMS	NTS
S-027.01	HYE-TA-S0-1112	LOADING DIAGRAMS	NTS
S-028.01	HYE-TA-S0-1314	LOADING DIAGRAMS	NTS
S-029.01	HYE-TA-S0-1500	LOADING DIAGRAMS	NTS
S-030.01	HYE-TA-S0-1600	LOADING DIAGRAMS	NTS
S-031.01	HYE-TA-S0-1700	LOADING DIAGRAMS	NTS
S-032.01	HYE-TA-S0-1800	LOADING DIAGRAMS	NTS
S-033.01	HYE-TA-S0-1900	LOADING DIAGRAMS	NTS
S-034.01	HYE-TA-S0-2000	LOADING DIAGRAMS	NTS
S-035.01	HYE-TA-S0-2122	LOADING DIAGRAMS	NTS
S-036.01	HYE-TA-S0-2300	LOADING DIAGRAMS	NTS
S-037.01	HYE-TA-S0-2431	LOADING DIAGRAMS	NTS
S-038.01	HYE-TA-S0-3955	LOADING DIAGRAMS	NTS
S-039.01	HYE-TA-S0-6063	LOADING DIAGRAMS	NTS
S-040.01	HYE-TA-S0-6467	LOADING DIAGRAMS	NTS
S-041.01	HYE-TA-S0-6869	LOADING DIAGRAMS	NTS
		STRUCTURAL PLAN SERIES	
S-112.00	HYE-TA-S1-0000A	BOLLARD FOUNDATION PLAN	
S-113.00	HYE-TA-S1-0000B	BOLLARD FOUNDATION PLAN	
S-114.00	HYE-TA-S1-0001	FLOOR FRAMING PLAN 00 - SECTOR 01	1/8" = 1'-0"
S-115.00	HYE-TA-S1-0002	FLOOR FRAMING PLAN 00 - SECTOR 02	1/8" = 1'-0"
S-116.00	HYE-TA-S1-0003L	PLATFORM FRAMING PLAN - SECTOR 03	
S-117.01	HYE-TA-S1-0003	FLOOR FRAMING PLAN 00 - SECTOR 03	1/8" = 1'-0"
S-118.00	HYE-TA-S1-0006L	PLATFORM FRAMING PLAN - SECTOR 06	1/8" = 1'-0"
S-121.01	HYE-TA-S1-0006	FLOOR FRAMING PLAN 00 - SECTOR 06	1/8" = 1'-0"
S-122.01	HYE-TA-S1-0101	FLOOR FRAMING PLAN 01 - SECTOR 01	
S-123.01	HYE-TA-S1-0102	FLOOR FRAMING PLAN 01 - SECTOR 02	
S-124.01	HYE-TA-S1-0103	FLOOR FRAMING PLAN 01 - SECTOR 03	
S-125.01	HYE-TA-S1-0103L	FLOOR FRAMING PLAN LOBBY 01 - SECTOR 03	1/8" = 1'-0"
S-126.01	HYE-TA-S1-0104	FLOOR FRAMING PLAN 01 - SECTOR 04	
S-127.01	HYE-TA-S1-0105	FLOOR FRAMING PLAN 01 - SECTOR 05	
S-128.01	HYE-TA-S1-0106	FLOOR FRAMING PLAN 01 - SECTOR 06	
S-129.01	HYE-TA-S1-0106L	FLOOR FRAMING PLAN LOBBY 01 - SECTOR 06	1/8" = 1'-0"
S-136.01	HYE-TA-S1-0206	FLOOR FRAMING PLAN 02 - SECTOR 06	1/8" = 1'-0"
S-139.01	HYE-TA-S1-0303	FLOOR FRAMING PLAN 03 - SECTOR 03	1/8" = 1'-0"
S-140.01	HYE-TA-S1-0303U	FLOOR FRAMING PLAN 03 UPPER - SECTOR 03	1/8" = 1'-0"
S-143.01	HYE-TA-S1-0306	FLOOR FRAMING PLAN 03 - SECTOR 06	1/8" = 1'-0"
S-144.01	HYE-TA-S1-0306U	FLOOR FRAMING PLAN 03 UPPER - SECTOR 06	1/8" = 1'-0"
S-147.01	HYE-TA-S1-0403	FLOOR FRAMING PLAN 04 - SECTOR 03	1/8" = 1'-0"
S-151.01	HYE-TA-S1-0406	FLOOR FRAMING PLAN 04 - SECTOR 06	1/8" = 1'-0"
S-155.01	HYE-TA-S1-0503	FLOOR FRAMING PLAN 05 - SECTOR 03	1/8" = 1'-0"
S-157.01	HYE-TA-S1-0504	FLOOR FRAMING PLAN 05 - SECTOR 04	1/8" = 1'-0"
S-159.01	HYE-TA-S1-0506	FLOOR FRAMING PLAN 05 - SECTOR 06	1/8" = 1'-0"
S-163.01	HYE-TA-S1-0603	FLOOR FRAMING PLAN 06 - SECTOR 03	1/8" = 1'-0"
S-165.01	HYE-TA-S1-0604	FLOOR FRAMING PLAN 06 - SECTOR 04	1/8" = 1'-0"
S-167.01	HYE-TA-S1-0606	FLOOR FRAMING PLAN 06 - SECTOR 06	1/8" = 1'-0"
S-173.01	HYE-TA-S1-0703	FLOOR FRAMING PLAN 07 - SECTOR 03	1/8" = 1'-0"
S-176.01	HYE-TA-S1-0706	FLOOR FRAMING PLAN 07 - SECTOR 06	1/8" = 1'-0"
S-177.01	HYE-TA-S1-0801	FLOOR FRAMING PLAN 08 - SECTOR 01	1/8" = 1'-0"
S-179.01	HYE-TA-S1-0803	FLOOR FRAMING PLAN 08 - SECTOR 03	1/8" = 1'-0"
S-183.01	HYE-TA-S1-0806	FLOOR FRAMING PLAN 08 - SECTOR 06	1/8" = 1'-0"
S-185.01	HYE-TA-S1-0902	FLOOR FRAMING PLAN 09 - SECTOR 02	1/8" = 1'-0"
S-186.01	HYE-TA-S1-0903L	FLOOR FRAMING PLAN 09L - SECTOR 03	1/8" = 1'-0"
S-187.01	HYE-TA-S1-0903U	FLOOR FRAMING PLAN 09U - SECTOR 03	1/8" = 1'-0"
S-189.01	HYE-TA-S1-0906L	FLOOR FRAMING PLAN 09L - SECTOR 06	1/8" = 1'-0"
S-190.01	HYE-TA-S1-0906U	FLOOR FRAMING PLAN 09U - SECTOR 06	1/8" = 1'-0"
S-200.01	HYE-TA-S1-1002	FLOOR FRAMING PLAN 10 - SECTOR 02	1/8" = 1'-0"
S-201.01	HYE-TA-S1-1003	FLOOR FRAMING PLAN 10 - SECTOR 03	1/8" = 1'-0"
S-202.01	HYE-TA-S1-1005	FLOOR FRAMING PLAN 10 - SECTOR 05	1/8" = 1'-0"
S-203.01	HYE-TA-S1-1006	FLOOR FRAMING PLAN 10 - SECTOR 06	1/8" = 1'-0"
S-204.01	HYE-TA-S1-1102	FLOOR FRAMING PLAN 11 - SECTOR 02	1/8" = 1'-0"
S-205.01	HYE-TA-S1-1103	FLOOR FRAMING PLAN 11 (TYP. TRADING) - SECTOR 03	1/8" = 1'-0"
S-206.01	HYE-TA-S1-1105	FLOOR FRAMING PLAN 11 - SECTOR 05	1/8" = 1'-0"
S-207.01	HYE-TA-S1-1106	FLOOR FRAMING PLAN 11 (TYP. TRADING) - SECTOR 06	1/8" = 1'-0"
S-208.01	HYE-TA-S1-1203	FLOOR FRAMING PLAN 12 - SECTOR 03	1/8" = 1'-0"
S-209.01	HYE-TA-S1-1206	FLOOR FRAMING PLAN 12 - SECTOR 06	1/8" = 1'-0"
S-210.01	HYE-TA-S1-1303	FLOOR FRAMING PLAN 13 - SECTOR 03 (MECHANICAL)	1/8" = 1'-0"
S-211.01	HYE-TA-S1-1306	FLOOR FRAMING PLAN 13 - SECTOR 06 (MECHANICAL)	1/8" = 1'-0"
S-214.01	HYE-TA-S1-1403	FLOOR FRAMING PLAN 14 (TYP. STUDIO) - SECTOR 03	1/8" = 1'-0"
S-215.01	HYE-TA-S1-1406	FLOOR FRAMING PLAN 14 (TYP. STUDIO)- SECTOR 06	1/8" = 1'-0"
S-216.01	HYE-TA-S1-1503	FLOOR FRAMING PLAN 15 (TYP. INTERM. STUDIO) - SECTOR 03	1/8" = 1'-0"
S-217.01	HYE-TA-S1-1506	FLOOR FRAMING PLAN 15 (TYP. INTERM. STUDIO) - SECTOR 06	1/8" = 1'-0"
S-218.01	HYE-TA-S1-1603	FLOOR FRAMING PLAN 16 - SECTOR 03	1/8" = 1'-0"
S-219.01	HYE-TA-S1-1606	FLOOR FRAMING PLAN 16 - SECTOR 06	1/8" = 1'-0"
S-220.01	HYE-TA-S1-1703	FLOOR FRAMING PLAN 17 - SECTOR 03	1/8" = 1'-0"
S-221.01	HYE-TA-S1-1706	FLOOR FRAMING PLAN 17 - SECTOR 06	1/8" = 1'-0"
S-222.01	HYE-TA-S1-1803	FLOOR FRAMING PLAN 18 - SECTOR 03	1/8" = 1'-0"
S-223.01	HYE-TA-S1-1806	FLOOR FRAMING PLAN 18 - SECTOR 06	1/8" = 1'-0"
S-224.01	HYE-TA-S1-1903	FLOOR FRAMING PLAN 19 - SECTOR 03	1/8" = 1'-0"
S-225.01	HYE-TA-S1-1906	FLOOR FRAMING PLAN 19 - SECTOR 06	1/8" = 1'-0"
S-226.01	HYE-TA-S1-2003	FLOOR FRAMING PLAN 20 - SECTOR 03	1/8" = 1'-0"
S-227.01	HYE-TA-S1-2006	FLOOR FRAMING PLAN 20 - SECTOR 06	1/8" = 1'-0"
S-228.01	HYE-TA-S1-2103	FLOOR FRAMING PLAN 21 (MECHANICAL)- SECTOR 03	1/8" = 1'-0"
S-229.01	HYE-TA-S1-2106	FLOOR FRAMING PLAN 21 (MECHANICAL) - SECTOR 06	1/8" = 1'-0"
S-230.01	HYE-TA-S1-2103U	FLOOR FRAMING PLAN 21U (UPPER) - SECTOR 03	1/8" = 1'-0"
S-231.01	HYE-TA-S1-2106U	FLOOR FRAMING PLAN 21U (UPPER) - SECTOR 06	1/8" = 1'-0"
S-232.01	HYE-TA-S1-2203	FLOOR FRAMING PLAN 22 - SECTOR 03	1/8" = 1'-0"
S-233.01	HYE-TA-S1-2206	FLOOR FRAMING PLAN 22 - SECTOR 06	1/8" = 1'-0"
S-234.01	HYE-TA-S1-2303	FLOOR FRAMING PLAN 23 - SECTOR 03	1/8" = 1'-0"
S-235.01	HYE-TA-S1-2306	FLOOR FRAMING PLAN 23 - SECTOR 06	1/8" = 1'-0"
S-236.01	HYE-TA-S1-2403	FLOOR FRAMING PLAN 24 - SECTOR 03	1/8" = 1'-0"
S-238.01	HYE-TA-S1-2503	FLOOR FRAMING PLAN 25 (TYP. LOW RISE) - SECTOR 03	1/8" = 1'-0"
S-239.01	HYE-TA-S1-2603	FLOOR FRAMING PLAN 26 - SECTOR 03	1/8" = 1'-0"
S-240.01	HYE-TA-S1-2703	FLOOR FRAMING PLAN 27 - SECTOR 03	1/8" = 1'-0"
S-241.01	HYE-TA-S1-2803	FLOOR FRAMING PLAN 28 - SECTOR 03	1/8" = 1'-0"
S-242.01	HYE-TA-S1-2903	FLOOR FRAMING PLAN 29 - SECTOR 03	1/8" = 1'-0"
S-243.01	HYE-TA-S1-3003	FLOOR FRAMING PLAN 30 - SECTOR 03	1/8" = 1'-0"
S-244.01	HYE-TA-S1-3103	FLOOR FRAMING PLAN 31 - SECTOR 03	1/8" = 1'-0"
S-245.01	HYE-TA-S1-3203	FLOOR FRAMING PLAN 32 - SECTOR 03	1/8" = 1'-0"
S-246.01	HYE-TA-S1-3303	FLOOR FRAMING PLAN 33 - SECTOR 03	1/8" = 1'-0"
S-247.01	HYE-TA-S1-3403	FLOOR FRAMING PLAN 34 - SECTOR 03	1/8" = 1'-0"
S-248.01	HYE-TA-S1-3503	FLOOR FRAMING PLAN 35 - SECTOR 03	1/8" = 1'-0"
S-249.01	HYE-TA-S1-3603	FLOOR FRAMING PLAN 36 - SECTOR 03	1/8" = 1'-0"
S-250.01	HYE-TA-S1-3703	FLOOR FRAMING PLAN 37 - SECTOR 03	1/8" = 1'-0"
S-251.01	HYE-TA-S1-3803	FLOOR FRAMING PLAN 38 - SECTOR 03	1/8" = 1'-0"
S-252.01	HYE-TA-S1-3903	FLOOR FRAMING PLAN 39 - SECTOR 03 (MECHANICAL)	1/8" = 1'-0"
S-253.01	HYE-TA-S1-3903U	FLOOR FRAMING PLAN 39U - SECTOR 03 (UPPER MECH)	1/8" = 1'-0"
S-254.01	HYE-TA-S1-4003	FLOOR FRAMING PLAN 40 - SECTOR 03	1/8" = 1'-0"
S-255.01	HYE-TA-S1-4103	FLOOR FRAMING PLAN 41 - SECTOR 03	1/8" = 1'-0"
S-256.01	HYE-TA-S1-4203	FLOOR FRAMING PLAN 42 - SECTOR 03	1/8" = 1'-0"
S-257.01	HYE-TA-S1-4303	FLOOR FRAMING PLAN 43 - SECTOR 03	1/8" = 1'-0"
S-258.01	HYE-TA-S1-4403	FLOOR FRAMING PLAN 44 - SECTOR 03	1/8" = 1'-0"
S-259.01	HYE-TA-S1-4503	FLOOR FRAMING PLAN 45 (TYP. MID RISE) - SECTOR 03	1/8" = 1'-0"
S-260.01	HYE-TA-S1-4603	FLOOR FRAMING PLAN 46 - SECTOR 03	1/8" = 1'-0"
S-261.01	HYE-TA-S1-4703	FLOOR FRAMING PLAN 47 - SECTOR 03	1/8" = 1'-0"
S-262.01	HYE-TA-S1-4803	FLOOR FRAMING PLAN 48 - SECTOR 03	1/8" = 1'-0"
S-263.01	HYE-TA-S1-4903	FLOOR FRAMING PLAN 49 - SECTOR 03	1/8" = 1'-0"
S-264.01	HYE-TA-S1-5003	FLOOR FRAMING PLAN 50 - SECTOR 03	1/8" = 1'-0"
S-265.01	HYE-TA-S1-5103	FLOOR FRAMING PLAN 51 - SECTOR 03	1/8" = 1'-0"
S-266.01	HYE-TA-S1-5203	FLOOR FRAMING PLAN 52 - SECTOR 03	1/8" = 1'-0"
S-267.01	HYE-TA-S1-5303	FLOOR FRAMING PLAN 53 - SECTOR 03	1/8" = 1'-0"
S-268.01	HYE-TA-S1-5403	FLOOR FRAMING PLAN 54 - SECTOR 03	1/8" = 1'-0"
S-269.01	HYE-TA-S1-5503	FLOOR FRAMING PLAN 55 (TYP. HI RISE) - SECTOR 03	1/8" = 1'-0"
S-270.01	HYE-TA-S1-5603	FLOOR FRAMING PLAN 56 - SECTOR 03	1/8" = 1'-0"
S-271.01	HYE-TA-S1-5703	FLOOR FRAMING PLAN 57 - SECTOR 03	1/8" = 1'-0"
S-272.01	HYE-TA-S1-5803	FLOOR FRAMING PLAN 58 - SECTOR 03	1/8" = 1'-0"
S-273.01	HYE-TA-S1-5903	FLOOR FRAMING PLAN 59 - SECTOR 03	1/8" = 1'-0"
S-274.01	HYE-TA-S1-6003	FLOOR FRAMING PLAN 60 - SECTOR 03 (MECHANICAL)	1/8" = 1'-0"
S-275.01	HYE-TA-S1-6003U	FLOOR FRAMING PLAN 60U - SECTOR 03 (UPPER MECH)	1/8" = 1'-0"
S-276.01	HYE-TA-S1-6103	FLOOR FRAMING PLAN 61 (TYP. UPPER HI RISE) - SECTOR 03	1/8" = 1'-0"
S-277.01	HYE-TA-S1-6103U	FLOOR FRAMING PLAN 61 - SECTOR 03 (UPPER MECH)	1/8" = 1'-0"
S-278.01	HYE-TA-S1-6203	FLOOR FRAMING PLAN 62 - SECTOR 03	1/8" = 1'-0"
S-279.01	HYE-TA-S1-6303	FLOOR FRAMING PLAN 63 - SECTOR 03	1/8" = 1'-0"
S-280.01	HYE-TA-S1-6403	FLOOR FRAMING PLAN 64 - SECTOR 03	1/8" = 1'-0"
S-281.01	HYE-TA-S1-6503	FLOOR FRAMING PLAN 65 - SECTOR 03	1/8" = 1'-0"
S-283.00	HYE-TA-S1-6503U	FLOOR FRAMING PLAN 65 - SECTOR 03 (UPPER MECH)	1/8" = 1'-0"
S-282.01	HYE-TA-S1-6603	FLOOR FRAMING PLAN 66 (MECHANICAL)	1/8" = 1'-0"
S-287.00	HYE-TA-S1-6603U	FLOOR FRAMING PLAN 66 (HULL)	1/8" = 1'-0"
S-284.01	HYE-TA-S1-6703	FLOOR FRAMING PLAN 67 (OBSERVATION DECK)	1/8" = 1'-0"
S-285.01	HYE-TA-S1-6803	FLOOR FRAMING PLAN 68 (VIP LEVEL)	1/8" = 1'-0"
S-288.00	HYE-TA-S1-6803U	FLOOR FRAMING PLAN 68 UPPER	1/8" = 1'-0"
S-286.01	HYE-TA-S1-6903	FLOOR FRAMING PLAN 69 (ROOF)	1/8" = 1'-0"
S-302.01	HYE-TA-S1-6903U	COOLING TOWER DUNNAGE PLATFORM	
S-303.01	HYE-TA-S1-7003	COOLING TOWER ACCESS PLATFORM	
S-304.01	HYE-TA-S1-7103	BMU LEVEL	
S-305.01	HYE-TA-S1-7103U	PARTIAL PLANS	
S-306.01	HYE-TA-S1-7203	TOP OF CROWN	
S-191.01	HYE-TA-S1-RF02	FLOOR FRAMING PLAN PODIUM ROOF - SECTOR 02	1/8" = 1'-0"
S-192.01	HYE-TA-S1-RF05	FLOOR FRAMING PLAN PODIUM ROOF - SECTOR 05	1/8" = 1'-0"
		PODIUM PART PLANS	
S-290.01	HYE-TA-S1-9001	PODIUM ELEVATOR AND ESCALATOR PIT PART PLANS	1/4" = 1'-0"
S-291.01	HYE-TA-S1-9002	PODIUM TERRACE ENCLOSURE ROOF PART PLANS	1/8" = 1'-0"
S-292.01	HYE-TA-S1-9003	PODIUM COOLING TOWER CATWALK PART PLANS I	1/8" = 1'-0"
S-294.01	HYE-TA-S1-9005	PODIUM PLAZA LEVEL PART PLANS	1/8" = 1'-0"
S-297.00	HYE-TA-S1-9007	PODIUM COOLING TOWER DUNNAGE PART PLAN AND DETAILS	
S-298.00	HYE-TA-S1-9011	PODIUM ELEVATOR DETAILS	
S-299.00	HYE-TA-S1-9010	PODIUM ELEVATOR PIT PLANS	1/4" = 1'-0"
S-307.00	HYE-TA-S1-9012	PODIUM ELEVATOR PIT DETAILS	1/4" = 1'-0"
		TOWER PART PLANS	
S-296.01	HYE-TA-S1-9510	TOWER ELEVATOR PIT PART PLANS	1/4" = 1'-0"
S-309.00	HYE-TA-S1-9511	TOWER PART PLANS	1/4" = 1'-0"
S-323.00	HYE-TA-S1-9512	TOWER PART PLANS	
S-324.00	HYE-TA-S1-9513	PART PLANS	
S-325.00	HYE-TA-S1-9530	LEVEL 18 ELEVATOR MACHINE ROOM	1/4" = 1'-0"
S-326.00	HYE-TA-S1-9531	LEVEL 23 ELEVATOR MACHINE ROOM	1/4" = 1'-0"
S-327.00	HYE-TA-S1-9532	LEVEL 39U ELEVATOR MACHINE ROOM	1/4" = 1'-0"
S-328.00	HYE-TA-S1-9534	LEVEL 52 & 65U ELEVATOR MACHINE ROOM	1/4" = 1'-0"
S-329.00	HYE-TA-S1-9551	CROWN SOUTHEAST STAIR SUPPORT PLANS	
S-353.00	HYE-TA-S1-9552	CROWN SOUTHEAST STAIR SUPPORT PLANS II	
		STRUCTURAL ELEVATIONS	
		TOWER A + PODIUM ELEVATIONS - FLOORS 1 TO 22	
S-330.01	HYE-TA-S2-2001	ELEVATION AT GRID A-A BELOW 22ND FLOOR	1/16" = 1'-0"
S-331.01	HYE-TA-S2-2002	ELEVATION AT GRID A BELOW 22ND FLOOR	1/16" = 1'-0"
S-332.01	HYE-TA-S2-2003	ELEVATION AT GRID A.5 BELOW 22ND FLOOR	1/16" = 1'-0"
S-333.01	HYE-TA-S2-2004	ELEVATION AT GRID A.8 BELOW 22ND FLOOR	1/16" = 1'-0"
S-334.01	HYE-TA-S2-2005	ELEVATION AT GRID B BELOW 22ND FLOOR	1/16" = 1'-0"
S-335.01	HYE-TA-S2-2006	ELEVATION AT GRID C BELOW 22ND FLOOR	1/16" = 1'-0"
S-336.01	HYE-TA-S2-2007	ELEVATION AT GRID C.1 BELOW 22ND FLOOR	1/16" = 1'-0"
S-337.01	HYE-TA-S2-2008	ELEVATION AT GRID C.9 BELOW 22ND FLOOR	1/16" = 1'-0"
S-338.01	HYE-TA-S2-2009	ELEVATION AT GRID D BELOW 22ND FLOOR	1/16" = 1'-0"
S-339.01	HYE-TA-S2-2010	ELEVATION AT GRID D.8 BELOW 22ND FLOOR	1/16" = 1'-0"
S-340.01	HYE-TA-S2-2011	ELEVATION AT GRID E BELOW 22ND FLOOR	1/16" = 1'-0"
S-341.01	HYE-TA-S2-2012	ELEVATION AT GRID E.8 BELOW 22ND FLOOR	1/16" = 1'-0"
S-342.01	HYE-TA-S2-2013	ELEVATION AT GRID F BELOW 22ND FLOOR	1/16" = 1'-0"
S-343.01	HYE-TA-S2-2014	ELEVATION AT GRID F.9 BELOW 22ND FLOOR	1/16" = 1'-0"
S-344.01	HYE-TA-S2-2015	ELEVATION AT GRID G BELOW 22ND FLOOR	1/16" = 1'-0"
S-345.01	HYE-TA-S2-2016	ELEVATION AT GRID G.6 BELOW 22ND FLOOR	1/16" = 1'-0"
S-346.01	HYE-TA-S2-2017	ELEVATION AT GRID H BELOW 22ND FLOOR	1/16" = 1'-0"
S-347.01	HYE-TA-S2-2018	ELEVATION AT GRID H.8 BELOW 22ND FLOOR	1/16" = 1'-0"
S-348.01	HYE-TA-S2-2019	ELEVATION AT GRID J BELOW 22ND FLOOR	1/16" = 1'-0"
S-349.01	HYE-TA-S2-2020	ELEVATION AT GRID K BELOW 22ND FLOOR	1/16" = 1'-0"
S-350.01	HYE-TA-S2-2021	ELEVATION AT GRID L BELOW 22ND FLOOR	1/16" = 1'-0"
S-351.01	HYE-TA-S2-2022	ELEVATION AT GRID M BELOW 22ND FLOOR	1/16" = 1'-0"
S-352.01	HYE-TA-S2-2023	ELEVATION AT GRID N BELOW 22ND FLOOR	1/16" = 1'-0"
S-360.01	HYE-TA-S2-2050	ELEVATION AT GRID 1 BELOW 22ND FLOOR	1/16" = 1'-0"
S-361.01	HYE-TA-S2-2051	ELEVATION AT GRID 7 BELOW 22ND FLOOR	1/16" = 1'-0"
S-362.01	HYE-TA-S2-2052	ELEVATION AT GRID 13 BELOW 22ND FLOOR	1/16" = 1'-0"
S-363.01	HYE-TA-S2-2053	ELEVATIONS AT GRIDS 13.7 AND 16.5 BELOW 22ND FLOOR	1/16" = 1'-0"
S-364.01	HYE-TA-S2-2054	ELEVATION AT GRID 14 BELOW 22ND FLOOR	1/16" = 1'-0"
S-365.01	HYE-TA-S2-2055	ELEVATION AT GRID 15 BELOW 22ND FLOOR	1/16" = 1'-0"
S-366.01	HYE-TA-S2-2056	ELEVATION AT GRID 16 BELOW 22ND FLOOR	1/16" = 1'-0"
S-368.01	HYE-TA-S2-2058	ELEVATION AT GRID 17 BELOW 22ND FLOOR	1/16" = 1'-0"
		TOWER A ELEVATIONS - LEVEL 22-TOP	
S-370.01	HYE-TA-S2-3001	ELEVATION AT GRID A ABOVE 23RD FLOOR	1/16" = 1'-0"
S-371.01	HYE-TA-S2-3002	ELEVATION AT GRID B ABOVE 23RD FLOOR	1/16" = 1'-0"
S-372.01	HYE-TA-S2-3003	ELEVATION AT GRID C.1 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-373.01	HYE-TA-S2-3004	ELEVATION AT GRID D.1 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-374.01	HYE-TA-S2-3005	ELEVATION AT GRID E.1 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-375.01	HYE-TA-S2-3006	ELEVATION AT GRID F.6 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-376.01	HYE-TA-S2-3050	ELEVATION AT GRID 13 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-377.01	HYE-TA-S2-3051	ELEVATION AT GRID 14 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-378.01	HYE-TA-S2-3052	ELEVATION AT GRID 14.3 AND 14.7 ABOVE 53RD FLOOR	1/16" = 1'-0"
S-379.01	HYE-TA-S2-3053	ELEVATION AT GRID 15 ABOVE 23RD FLOOR	1/16" = 1'-0"
S-380.01	HYE-TA-S2-3054	ELEVATION AT GRID 16 ABOVE 22ND FLOOR	1/16" = 1'-0"
S-381.01	HYE-TA-S2-3055	ELEVATION AT GRID 17.1 ABOVE 22ND FLOOR	1/16" = 1'-0"
		PODIUM ELEVATIONS	
S-433.00	HYE-TA-S2-4070	RETAIL ELEVATOR ELEVATIONS	
S-434.00	HYE-TA-S2-4071	NEIMAN MARCUS FAÇADE DETAILS	
		TOWER A BRACING BLOWN-UP ELEVATIONS	
S-450.01	HYE-TA-S2-5010	TYPICAL EAST-WEST SIDE CORE BRACING SECTIONS	1/4" = 1'-0"
S-451.01	HYE-TA-S2-5011	TYPICAL EAST-WEST SIDE CORE BRACING SECTIONS	1/4" = 1'-0"
S-452.01	HYE-TA-S2-5012	TYPICAL EAST-WEST SIDE CORE BRACING SECTIONS	1/4" = 1'-0"
S-453.01	HYE-TA-S2-5013	TYPICAL EAST-WEST SIDE CORE BRACING SECTIONS	1/4" = 1'-0"
S-454.01	HYE-TA-S2-5014	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-455.01	HYE-TA-S2-5015	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-456.01	HYE-TA-S2-5016	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-457.01	HYE-TA-S2-5017	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-458.01	HYE-TA-S2-5018	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-459.01	HYE-TA-S2-5019	BELOW LEVEL 9 EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-470.01	HYE-TA-S2-5050	SKY LOBBY NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-471.01	HYE-TA-S2-5051	SKY LOBBY NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-472.01	HYE-TA-S2-5052	SKY LOBBY NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-473.01	HYE-TA-S2-5053	SKY LOBBY NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-474.01	HYE-TA-S2-5054	SKY LOBBY EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-475.01	HYE-TA-S2-5055	SKY LOBBY EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-476.00	HYE-TA-S2-5056	SKY LOBBY EAST-WEST BRACING SECTIONS	
S-477.00	HYE-TA-S2-5057	SKY LOBBY BRACING SECTIONS	
S-478.00	HYE-TA-S2-5058	SKY LOBBY BRACING SECTIONS	
S-479.00	HYE-TA-S2-5059	SKY LOBBY BRACING SECTIONS	
S-490.01	HYE-TA-S2-5060	LEVELS 26-39 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-491.01	HYE-TA-S2-5061	LEVELS 26-39 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-492.01	HYE-TA-S2-5062	LEVELS 26-39 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-493.01	HYE-TA-S2-5063	LEVELS 26-39 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-494.01	HYE-TA-S2-5064	LEVELS 26-39 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-495.01	HYE-TA-S2-5065	LEVELS 26-39 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-500.01	HYE-TA-S2-5070	LEVELS 41-59 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-501.01	HYE-TA-S2-5071	LEVELS 41-59 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-502.01	HYE-TA-S2-5072	LEVELS 41-59 - EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-503.01	HYE-TA-S2-5073	LEVELS 41-59 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-504.01	HYE-TA-S2-5074	LEVELS 41-59 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-505.01	HYE-TA-S2-5075	LEVELS 41-59 - NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-510.01	HYE-TA-S2-5080	LEVELS 62-TOP- EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-511.01	HYE-TA-S2-5081	LEVELS 62-TOP- EAST-WEST BRACING SECTIONS	1/4" = 1'-0"
S-512.01	HYE-TA-S2-5082	LEVELS 62-TOP- NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-513.01	HYE-TA-S2-5083	LEVELS 62-TOP- NORTH-SOUTH BRACING SECTIONS	1/4" = 1'-0"
S-520.01	HYE-TA-S2-5090	OUTRIGGER ELEVATIONS	1/4" = 1'-0"
S-521.01	HYE-TA-S2-5091	OUTRIGGER ELEVATIONS	1/4" = 1'-0"
S-522.01	HYE-TA-S2-5092	OUTRIGGER ELEVATIONS	1/4" = 1'-0"
S-523.01	HYE-TA-S2-5093	OUTRIGGER ELEVATIONS	1/4" = 1'-0"
S-524.01	HYE-TA-S2-5094	O

NYC TRANSIT
GENERAL NOTES

NOTE: THE APPROPRIATE NOTES ARE TO BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS.

1. THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. IT IS EXPECTED THAT SUCH PERSONNEL WILL BE NECESSARY WHEN THE CONSTRUCTION COMES WITHIN TWENTY-FIVE FEET OF THE SUBWAY STRUCTURE. HOWEVER, NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE. THE COST OF SUCH PERSONNEL, TELEPHONE INSTALLATION AND ANY RE-ROUTES, DIVERSIONS OF SERVICE, WORK TRAINS, ETC., MADE NECESSARY BY THE PROJECT, MUST BE BORNE BY THE PROJECT OR THE RESPONSIBLE NEW YORK CITY/STATE AGENCY.

2. ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE IS TO BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.

3. IF TOP OF ROCK IS FOUND BELOW SUBWAY STRUCTURE, THE SUBWAY STRUCTURE MUST BE UNDERPINNED IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.

4. IF ROCK IS SOFT OR SEAMY, LATERAL SUPPORTS MUST BE PROVIDED BELOW THE SUBWAY STRUCTURE IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.

5. BLASTING WILL BE PERMITTED ONLY WITH LIGHT CHARGES SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FIRE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE A DETAILED MONITORING PLAN, PROVIDING FOR MEASUREMENTS OF BOTH PARTICLE VELOCITY AND DISPLACEMENTS AT CRITICAL LOCATIONS OF THE NYCT STRUCTURE. THE MONITORING PLAN SHALL INCLUDE THRESHOLD AND UPSET LEVELS OF BOTH PARTICLE VELOCITY AND SETTLEMENT TOGETHER WITH AN ACTION PLAN FOR THEIR IMPLEMENTATION. THE CONTRACTOR SHALL SECURE AN APPROVED SEISMOLOGIST TO INSTALL AND OPERATE SUITABLE VELOCITY GAUGES TO CONTINUOUSLY MONITOR PARTICLE VELOCITY AND AN INDEPENDENT LICENSED SURVEYOR TO MONITOR DISPLACEMENTS. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE BLASTING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.

6. BEFORE PLACING CONCRETE, THE SUBGRADE OF THE FOUNDATIONS IN THE VICINITY OF THE SUBWAY STRUCTURE IS TO BE INSPECTED AND APPROVED BY NYCT'S ENGINEER.

7. IF ANY PORTION OF THE SUBWAY STRUCTURE OR FINISH IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH THE SAME MATERIALS IN PLACE, SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND AT THE EXPENSE OF THE PROJECT.

8. EXCAVATION EMBANKMENTS ARE TO BE SHORED AND BRACED. DRAWINGS INDICATING A SUGGESTED METHOD OF CONSTRUCTION ARE TO BE SUBMITTED TO NYCT FOR APPROVAL IN CONJUCTION WITH THE PROJECT'S CONTRACT DRAWINGS. IN CASE OF EXCAVATION UNDERMINING THE SUBWAY STRUCTURE, UNDERPINNING MAY BE REQUIRED. DRAWINGS FOR UNDERPINNING ARE TO BE SUBMITTED TO NYCT FOR APPROVAL.

9. TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED LOADS THAT CAN BE TRANSFERRED THROUGH THE TEMPORARY STRUCTURES WITHOUT DAMAGING THE EXISTING STRUCTURE. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS ARE TO BE REMOVED OR CUT-OFF AS APPROVED BY NYCT.

10. WHEN PILES ARE TO BE DRIVEN ADJACENT TO THE SUBWAY STRUCTURE, BORING DATA, PILE LAYOUTS, SPECIFICATIONS AND INSTALLATION PROCEDURES ARE TO BE SUBMITTED TO NYCT FOR APPROVAL. VELOCITY METERS ARE TO BE INSTALLED IN THE SUBWAY TUNNEL AT CRITICAL LOCATIONS TO MONITOR INDUCED VIBRATIONS. INDUCED DISPLACEMENTS ALONG THE TUNNEL STRUCTURE AND TRACK INVERT ARE TO BE MONITORED DURING DRIVING. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE DRIVING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.

11. NO PILES ARE PERMITTED TO BE INSTALLED BY ANY METHOD WITHIN THREE FEET OF SUBWAY STRUCTURE, MEASURED FROM THE EDGE OF THE PILE OR CASING TO THE WALL. CLOSED-END PILES WILL NOT BE PERMITTED TO BE DRIVEN WITHIN TEN FEET OF THE SUBWAY STRUCTURE.

12. ALL PILES ARE TO BE PLACED WITHIN A PREAUGERED CASED HOLE TO THE INFLUENCE LINE. THE CASING SHALL BE CLEANED WITHOUT DISTURBING THE SOIL OUTSIDE THE CASING AND THE PILE TO BE PLACED WITHIN THE CASING FOR INSTALLATION. THE PILES MAY THEN BE DRIVEN BEYOND THE INFLUENCE LINE WITHIN THE CASING.

13. THE INFLUENCE LINE SHALL START AT THE BOTTOM OF THE SUBWAY STRUCTURE AND EXTEND AT A 1:1 SLOPE. FOR PILES INSTALLED WITHIN TEN FEET OF THE SUBWAY STRUCTURE, THE CASING SHALL BE EXTENDED UP TO THE BOTTOM OF THE SUBWAY STRUCTURE.

14. AT THE COMPLETION OF PILE INSTALLATION, THE SPACE BETWEEN THE PILE AND THE CASING IS TO BE FILLED WITH EITHER CLEAN SAND OR GROUT. IF THE CASING IS TO BE REMOVED, THE FILLING MUST BE COMPLETED PRIOR TO REMOVAL OF THE CASING.

15. ALL PILES ARE TO BE DRIVEN A MINIMUM OF TEN FEET BELOW THE INTERSECTION OF THE PILE CENTER LINE AND THE INFLUENCE LINE OF THE SUBWAY STRUCTURE.

16. THE USE OF "DOWN-THE-HOLE -HAMMERS" FOR INSTALLATION OF PILES THROUGH OVERBURDEN AND FILL WILL BE PERMITTED ONLY TO REMOVE BOULDERS. IT WILL NOT BE PERMITTED AS A MATTER OF COURSE TO ADVANCE THE HOLE. THEIR USE TO CONSTRUCT ROCK SOCKETS WILL NOT BE ALLOWED WITHIN 5 FEET OF THE NYCT STRUCTURE.

17. VIBRATORY HAMMERS WILL NOT BE PERMITTED WITHIN 75 FEET OF SUBWAY STRUCTURES. HOERAMS WILL NOT BE PERMITTED WITHIN 25 FEET OF SUBWAY STRUCTURES.

18. DYNAMIC COMPACTION METHODS USING DROPPED HEAVY WEIGHTS CANNOT BE CONDUCTED WITHIN 1000 FEET OF ANY NYCT STRUCTURE UNLESS IT IS SHOWN THAT INDUCED SETTLEMENTS AND VIBRATIONS WILL NOT DAMAGE THESE STRUCTURES. A SUITABLE MONITORING PLAN INCLUDING SETTLEMENT AND VIBRATION MEASUREMENTS MUST BE APPROVED BY NYCT'S ENGINEER FOR ALL SUCH OPERATIONS WITHIN THESE DISTANCES.

19. THERE SHALL BE NO MACHINE EXCAVATION WITHIN 3 FEET OF NYCT STRUCTURES, POWER DUCT LINES, OR ANY OTHER FACILITIES UNTIL THEY HAVE BEEN CAREFULLY EXPOSED BY HAND EXCAVATION.

20. ALL DEWATERING OPERATIONS CONDUCTED WITHIN 500 FEET OF THE NYCT STRUCTURE MUST BE PERFORMED IN ACCORDANCE WITH DRAWINGS AND PROCEDURES SUBMITTED TO NYCT FOR APPROVAL. THE DISTANCE FROM THE STRUCTURE TO THE DEWATERING OPERATION CAN BE REDUCED PROVIDED THAT SOIL CONDITIONS AT THE SITE INDICATE THAT THE RADIUS OF INFLUENCE OF THE DEWATERING IS LESS THAN 500 FEET. FOR DEWATERING WITHIN THE RADIUS OF INFLUENCE, THE DEWATERING PROGRAM MUST BE SHOWN TO HAVE NEGLIGIBLE INFLUENCE ON SETTLEMENTS OF THE NYCT STRUCTURE.

21. SUBWAY ENTRANCES (VENTILATORS, ETC.) ARE TO BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.

22. NYCT, AT ITS DISCRETION, RESERVES THE RIGHT TO REQUIRE THE PROJECT TO CLOSE OR MAINTAIN AND PROTECT EXISTING SUBWAY ENTRANCES, VENTILATORS, ETC. ADJACENT TO THE PROJECT DURING CONSTRUCTION. SUCH CONSTRUCTION MAY INCLUDE UNDERPINNING, SHORING, BRACING AND ERECTION OF SUITABLE BARRICADES AND/OR CANOPIES AND SHIELDS. SUCH PROTECTION SHALL BE IN ACCORDANCE WITH DRAWINGS SUBMITTED TO NYCT FOR APPROVAL.

23. IF SHIELDS ARE TO BE INSTALLED TO PROTECT NYCT FACILITIES AND/OR THE PUBLIC, PLANS SHOWING THE LOCATION, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE MUST BE SUBMITTED TO NYCT FOR APPROVAL.

24. ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES MUST BE FIRE RETARDANT.

25. SUBWAY EMERGENCY EXITS MUST BE KEPT CLEAR AT ALL TIMES.

26. IN EXCAVATING OVER OR NEAR THE SUBWAY ROOF, SPECIAL CARE SHALL BE EXERCISED SO THAT THE THIN CONCRETE PROTECTION OF THE SUBWAY WATERPROOFING IS NOT DAMAGED.

27. BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY NYCT.

28. HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE IS TO BE TAKEN BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO SHOW THAT THE INDUCED MOVEMENTS ARE WITHIN ALLOWABLES PROVIDED AND APPROVED BY NYCT'S ENGINEER. IF ANY MOVEMENTS EXCEED ALLOWABLES, REMEDIATION AS APPROVED BY NYCT SHALL BE PERFORMED.

29. BUS ROUTES AFFECTED BY THE PROJECT WILL OR MAY REQUIRE BUS DIVERSIONS. THESE ARRANGEMENTS SHALL BE MADE THROUGH:

MS. SARAH WYSS, ACTING DIRECTOR, OPERATIONS PLANNING
NEW YORK CITY TRANSIT
2 BROADWAY, ROOM A17.82
NEW YORK, NEW YORK 10004
TELEPHONE NUMBER (646) 252-5517

WHEN IMPACTING ANY BUS STOP, SPECIAL OPERATIONS MUST BE NOTIFIED TWO WEEKS IN ADVANCE.

30. DUCT LINES MUST BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHOULD BE REPORTED TO NYCT INSPECTOR. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED, THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL. JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.

31. WHERE MANHOLES ARE ENCOUNTERED:

A) THEY SHALL BE PROTECTED AND RAISED OR LOWERED AS REQUIRED, TO MATCH THE NEW STREET GRADE.
B) IF MANHOLE COVERS ARE RAISED OR LOWERED, PROTECT CABLES IN MANHOLE BY WOOD SHEETING OF 2" NOMINAL THICKNESS.
C) PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. JOHN MALVASIO, P.E., DIRECTOR, DEPARTMENT OF MAINTENANCE OF WAY, AT (718) 694-1358.

32. CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:

A) UNLESS APPROVED BY THE NYCT'S ENGINEER, ALL VENT GRATINGS AND HATCHES SHOULD REMAIN OUTSIDE THE CONSTRUCTION SITE, SEPARATED BY A CONSTRUCTION FENCE. PROTECTIVE SHIELDS MUST BE PROVIDED OVER VENT GRATINGS AS REQUIRED BY NYCT'S ENGINEER.
B) NO BUILDING MATERIAL, VEHICLES OR CONSTRUCTION EQUIPMENT IS TO BE STORED OR RUN OVER VENT, GRATINGS, HATCHES OR EMERGENCY EXITS.
C) DETAILS OF SIDEWALK RECONSTRUCTION AROUND VENT GRATINGS, HATCHES AND EMERGENCY EXITS ARE TO BE SUBMITTED TO NYCT FOR APPROVAL.

33. TRACTORS, CRANES, EXCAVATORS, ETC. USED IN THE VICINITY OF THE ELEVATED STRUCTURES SHALL BE ISOLATED FROM THE GROUND. SINCE THE ELEVATED STRUCTURE IS USED AS A NEGATIVE RETURN PATH, WITH A CONSEQUENT POTENTIAL BETWEEN IT AND THE GROUND, ANY CONTACT BETWEEN THE STRUCTURE AND GROUNDED EQUIPMENT COULD RESULT IN BURNING OF THE STEEL.

34. TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS MUST BE A MINIMUM OF 5'-0" FROM EDGE OF FINISHED PLATFORM.

35. STATION AREAS OR STAIRWAY/CLOSINGS: THE GENERAL REQUIREMENTS FOR STATION AREAS OR STAIRWAY/CLOSINGS ARE AS FOLLOWS:

A) ONLY ONE STAIRWAY AT EACH STATION WILL BE PERMITTED TO BE CLOSED AT THE SAME TIME. APPROVALS FOR CLOSING ANY STAIRWAY MUST BE OBTAINED FROM THE DIVISION OF STATION OPERATIONS AT LEAST THREE WEEKS IN ADVANCE.
B) MR. ASHOK PATEL, DIRECTOR, OFFICE OF STATION PROGRAMS; TELEPHONE (718) 694-1695. OF THE DIVISION OF STATIONS MUST BE NOTIFIED ONE WEEK PRIOR TO THE ACTUAL CLOSING AND REOPENING OF THE ENTRANCE.
C) AMPLE SIGNAGE MUST BE SUPPLIED AND POSTED AT LEAST ONE WEEK IN ADVANCE, ADVISING THE PUBLIC OF THE PROPOSED SUBWAY STAIR CLOSING.
D) THE STREET ENTRANCE STAIRWAY SHOULD NOT BE CLOSED UNLESS MANPOWER AND MATERIALS ARE AVAILABLE TO COMMENCE WORK ON DATES PERMITTED.
E) ONCE THE CLOSING IS EFFECTED, CONSTRUCTION SIGNS MUST BE PLACED AT APPROPRIATE LOCATIONS ON THE BARRICADES AT THE STREET AND MEZZANINE LEVELS, STATING THE CONTRACTOR'S NAME, 24 HOUR EMERGENCY TELEPHONE NUMBER, CONTRACT NUMBER, THE DURATION OF THE CLOSING, DIRECTION TO AN ALTERNATE ENTRANCE/EXIT, AND AN APOLOGY FOR THE INCONVENIENCE TO OUR CUSTOMERS.
F) EXISTING STATION SIGNAGE MUST BE ADJUSTED TO REFLECT ANY CHANGES IN ACCESS/EGRESS.
G) BARRICADES ARE TO BE PAINTED AND KEPT GRAFFITI FREE AT ALL TIMES. THE CONTRACTOR MUST MAINTAIN THE BARRICADED AREA CLEAN OF ALL DEBRIS.
H) ALL MATERIALS ARE TO BE PROPERLY STORED AND SECURED AWAY FROM PASSENGER TRAFFIC.
I) THE CONTRACTOR MUST REMOVE ALL WASTE MATERIAL AND BARRICADES FROM ALL STATION AREAS WHEN CONSTRUCTION IS COMPLETED.
J) INSPECTION OF THE AREA UNDER CONSTRUCTION BY AUTHORIZED STATION DEPARTMENT EMPLOYEES SHALL NOT BE INHIBITED.
K) IF STREET LIGHTS ON THE SIDEWALKS ARE AFFECTED, TEMPORARY LIGHTS SHALL BE PROVIDED.

36. IF NEW CONCRETE CONSTRUCTION IS JOINED TO EXISTING CONCRETE, DOWELS AND KEYWAYS ARE TO BE USED IN ACCORDANCE WITH NYCT STANDARDS.

37. IF THE PROJECT INVOLVES CONSTRUCTION OR ALTERATION OF A SUBWAY FACILITY ON PRIVATE PROPERTY, THE PROPERTY OWNERS WILL BE REQUIRED TO ENTER INTO AN AGREEMENT WITH NYCT PERTAINING TO ALL WORK AFFECTING THE TRANSIT FACILITIES AND CLEARLY DEFINING LIMITS AND RESPONSIBILITY FOR MAINTENANCE AND LIABILITY.

38. WHEREVER A NEW SIDEWALK IS BEING PLACED ADJACENT TO NYCT STRUCTURES THE FOLLOWING WILL BE REQUIRED:

A) THE TOP OF THE NEW SIDEWALK SHALL BE FLUSH WITH THE SUBWAY VENT GRATINGS, HATCHES AND EMERGENCY EXITS.
B) THE SLOPE OF THE NEW SIDEWALK SHALL BE SUCH THAT THE DRAINAGE BE AWAY FROM THESE STRUCTURES.
C) A 1/2" PREMOLDED FILLER SHALL BE INSTALLED BETWEEN THE NEW SIDEWALK AND NYCT STRUCTURE.
D) WHERE SIDEWALK ELEVATIONS ARE BEING CHANGED DETAILS OF PROPOSED WORK AROUND NYCT STRUCTURES ARE TO BE SUBMITTED FOR APPROVAL.

39. BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF NYCT'S ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE PERSON OR PERSONS AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE. ONE COPY OF EACH PHOTOGRAPH, EIGHT INCHES BY TEN INCHES IN SIZE, AND THE NEGATIVE IS TO BE SUBMITTED TO MR. JOHN MALVASIO, P.E., DIRECTOR, DEPARTMENT OF MAINTENANCE-OF-WAY, 130 LIVINGSTON ST, ROOM 8044D, BROOKLYN, NEW YORK 11201, TELEPHONE (718) 694-1358 BEFORE THE START OF CONSTRUCTION.

40. ALL ARCHITECTURAL DETAILS (TOKEN BOOTHS, RAILINGS, DOORS, ETC.) ARE TO CONFORM TO THE LATEST NYCT STANDARDS. THESE STANDARDS ARE AVAILABLE AT NYCT.

41. STANDARD NYCT INSURANCE CLAUSES ARE TO BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS. PROOF THAT THE NECESSARY INSURANCE IS IN EFFECT WILL BE REQUIRED BEFORE WORK CAN COMMENCE.

42. AT THE CLOSE OF ANY PROJECT INVOLVING CONSTRUCTION OR ALTERATIONS TO TRANSIT FACILITIES, ONE SET OF VELLUMS OR MYLARS, FIVE SETS OF 35MM MICROFILM, AND ELECTRONIC COPIES COMPLYING TO MICROSTATION.DGN FORMAT OF "APPROVED AS-BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS CONTACT NYCT OUTSIDE PROJECTS.

43. AT LEAST SEVEN WORKING DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION MUST BE GIVEN TO MR. JOHN MALVASIO, P.E. DIRECTOR, DEPARTMENT OF MAINTENANCE-OF-WAY, AT (718) 694-1358. THE CONTRACTOR TO PROVIDE TEMPORARY QUARTERS NEAR THE JOB SITE FOR NYCT INSPECTORS CONTAINING A DESK AND TELEPHONE.

NYCT "OUTSIDE CONTRACT" INSURANCE REQUIREMENTS

1. THE PERMITTEE AT ITS SOLE COST AND EXPENSE SHALL CARRY OR CAUSE TO CARRIED AND SHALL MAINTAIN AT ALL TIMES DURING THE PERIOD OF PERFORMANCE UNDER THIS AGREEMENT POLICIES OF INSURANCE AS HEREIN BELOW SET FORTH BELOW:

A. WORKERS' COMPENSATION INSURANCE (INCLUDING EMPLOYER'S LIABILITY INSURANCE) WITH LIMITS OF NOT LESS THE $2,000,000, WHICH LIMIT MAY BE MET BY A COMBINATION OF PRIMARY AND EXCESS INSURANCE MEETING THE STATUTORY LIMITS OF NEW YORK STATE. THE POLICY SHALL BE ENDORSED TO INCLUDE LONGSHOREMAN'S AND HARBOR WORKERS' COMPENSATION ACT/MARITIME COVERAGE ENDORSEMENT AND/OR JONES ACT ENDORSEMENT WHEN APPLICABLE.

B. COMMERCIAL GENERAL LIABILITY INSURANCE (I.S.O 2001 FORM OR EQUIVALENT) APPROVED BY PERMITTOR IN THE PERMITTEE'S NAME WITH LIMITS OF LIABILITY IN THE AMOUNT OF AT LEAST $3,000,000 FOR EACH OCCURRENCE ON A COMBINED SINGLE LIMIT BASIS FOR INJURIES TO PERSONS (INCLUDING DEATH) AND DAMAGE TO PROPERTY, $3,000,000 GENERAL AGGREGATE AND $3,000,000 IN THE AGGREGATE WITH RESPECT TO PRODUCTS/COMPLETED OPERATIONS. THE LIMITS MAY BE PROVIDED IN THE FORM OF A PRIMARY POLICY OR COMBINATION OF PRIMARY AND UMBRELLA/EXCESS POLICY. WHEN THE MINIMUM CONTRACT AMOUNTS CAN ONLY BE MET WHEN APPLYING THE UMBRELLA/EXCESS POLICY, THE UMBRELLA/EXCESS POLICY MUST FOLLOW FORM OF THE UNDERLYING POLICY AND BE EXTENDED TO "DROP DOWN" TO BECOME PRIMARY IN THE EVENT PRIMARY LIMITS ARE REDUCED OR AGGREGATE LIMITS ARE EXHAUSTED. SUCH INSURANCE SHALL BE PRIMARY AND NON-CONTRIBUTORY TO ANY OTHER VALID AND COLLECTIBLE INSURANCE AND MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE.

SUCH POLICY SHOULD BE WRITTEN ON AN OCCURRENCE FORM, AND SHALL INCLUDE:

- CONTRACTUAL COVERAGE FOR LIABILITY ASSUMED BY THE PERMITTEE UNDER THIS AGREEMENT;
- PERSONAL AND ADVERTISING INJURY COVERAGE;
- PRODUCTS-COMPLETED OPERATIONS;
- INDEPENDENT CONTRACTORS COVERAGE;
- "XCU" COVERAGE (EXPLOSION, COLLAPSE, AND UNDERGROUND HAZARDS) WHERE NECESSARY;
- CONTRACTUAL LIABILITY EXCLUSION, APPLICABLE TO CONSTRUCTION OR DEMOLITION OPERATIONS TO BE PERFORMED WITHIN 50 FEET OF RAILROAD TRACKS, MUST BE VOIDED, WHERE NECESSARY; AND
- ADDITIONAL INSURED ENDORSEMENT (I.S.O FORM CG 20 26 07/04 VERSION OR EQUIVALENT) APPROVED BY THE PERMITTOR NAMING:

NEW YORK CITY TRANSIT AUTHORITY (NYCTA), THE MANHATTAN AND BRONX SURFACE TRANSIT OPERATING AUTHORITY (MABSTOA), THE STATEN ISLAND RAPID TRANSIT OPERATING AUTHORITY (SIRTOA), MTA CAPITAL CONSTRUCTION CO., THE METROPOLITAN TRANSPORTATION AUTHORITY (MTA) INCLUDING ITS SUBSIDIARIES AND AFFILIATES, AND THE CITY OF NEW YORK (AS OWNER).

C. BUSINESS AUTOMOBILE LIABILITY INSURANCE POLICY - (I.S.O FORM CA 00 01 10 01 OR EQUIVALENT) APPROVED BY THE PERMITTOR IS REQUIRED IF PERMITTEE'S VEHICLE ENTERS PERMITTOR PROPERTY. THE INSURANCE MUST BE IN THE NAME OF THE PERMITTEE OR ITS CONTRACTOR ENTERING THE PERMITTOR PROPERTY WITH LIMITS OF LIABILITY IN THE AMOUNT OF $2,000,000 EACH ACCIDENT FOR CLAIMS FOR BODILY INJURIES (INCLUDING DEATH) TO PERSONS AND FOR DAMAGE TO PROPERTY ARISING OUT OF THE OWNERSHIP, MAINTENANCE OR USE OF ANY OWNED, HIRED OR NON-OWNED MOTOR VEHICLE.

D. RAILROAD PROTECTIVE LIABILITY INSURANCE (ISO-RIMA OR EQUIVALENT FORM) APPROVED BY PERMITTOR COVERING THE WORK TO BE PERFORMED AT THE DESIGNATED JOB SITE AND AFFORDING PROTECTION FOR DAMAGES ARISING OUT OF BODILY INJURY OR DEATH, PHYSICAL DAMAGE TO OR DESTRUCTION OF PROPERTY, INCLUDING DAMAGE TO THE INSURED'S OWN PROPERTY AND CONFORMING TO THE FOLLOWING:

- THE FOLLOWING ARE THE "NAMED INSUREDS" FOR THE COVERAGE:

NEW YORK CITY TRANSIT AUTHORITY (NYCTA), THE MANHATTAN AND BRONX SURFACE TRANSIT OPERATING AUTHORITY (MABSTOA), THE STATEN ISLAND RAPID TRANSIT OPERATING AUTHORITY (SIRTOA), MTA CAPITAL CONSTRUCTION CO., THE METROPOLITAN TRANSPORTATION AUTHORITY (MTA) INCLUDING ITS SUBSIDIARIES AND AFFILIATES, AND THE CITY OF NEW YORK (AS OWNER).

- THE LIMIT OF LIABILITY SHALL BE $2,000,000 AT LEAST EACH OCCURRENCE, SUBJECT TO A $6,000,000 ANNUAL AGGREGATED;
- POLICY ENDORSEMENT CG 28 31 - POLLUTION EXCLUSION AMENDMENT IS REQUIRED TO BE ENDORSED ONTO THE POLICY WHEN ENVIRONMENTAL-RELATED WORK AND/OR EXPOSURES EXIST.
- INDICATE THE NAME AND ADDRESS OF THE CONTRACTOR TO PERFORM THE WORK, THE CONTRACT # AND THE NAME OF THE RAILROAD PROPERTY WHERE THE WORK IS BEING PERFORMED AND THE AGENCY PERMIT.
- EVIDENCE OF RAILROAD PROTECTIVE LIABILITY INSURANCE, MUST BE PROVIDED IN THE FORM OF THE ORIGINAL POLICY. A DETAILED INSURANCE BINDER (ACORD OR MANUSCRIPT FORM) WILL BE ACCEPTED PENDING ISSUANCE OF THE ORIGINAL POLICY, WHICH MUST BE PROVIDED WITHIN 30 DAYS OF THE BINDER APPROVAL.

E. ENVIRONMENTAL/POLLUTION EXPOSURES IN THE EVENT ENVIRONMENTAL OR POLLUTION EXPOSURES EXIST; THE PERMITTEE SHALL REQUIRE THE ENVIRONMENTAL CONTRACTOR OR SUB-CONTRACTOR TO PROVIDE THE APPLICABLE INSURANCE COVERING SUCH EXPOSURE. THE LIMITS AND TYPE OF INSURANCE PROVIDED SHALL BE SATISFACTORY TO THE PERMITTOR AND WILL BE CONFIRMED TO THE PARTIES PRIOR TO THE START OF THE WORK.

2. GENERAL REQUIREMENTS APPLICABLE TO INSURANCE POLICIES

a) ALL OF THE INSURANCE REQUIRED BY THIS ARTICLE SHALL BE WITH COMPANIES LICENSED OR AUTHORIZED TO DO BUSINESS IN THE STATE OF NEW YORK WITH AN A.M. BEST COMPANY RATING OF NOT LESS THAN A-/VII OR BETTER AND REASONABLY APPROVED BY THE PERMITTOR/MTA AND SHALL DELIVER EVIDENCE OF SUCH POLICIES.

b) EXCEPT FOR WORKERS COMPENSATION, ALL REFERENCES TO FORMS AND COVERAGES REFERRED TO ABOVE SHALL BE THE MOST RECENT USED BY THE INSURANCE SERVICES OFFICE, INC. ("ISO") OR EQUIVALENT FORMS APPROVED BY THE INSURANCE DEPARTMENT OF THE STATE OF NEW YORK, PROVIDED, HOWEVER, THAT EXCESS COVERAGES MAY BE WRITTEN ON FORMS REASONABLY ACCEPTABLE TO PERMITTOR CONTAINING PROVISIONS OTHER THAN THOSE CONTAINED IN ISO FORMS BUT OTHERWISE CONFORMING IN SUBSTANCE TO THE REQUIREMENTS OF THE ARTICLE.

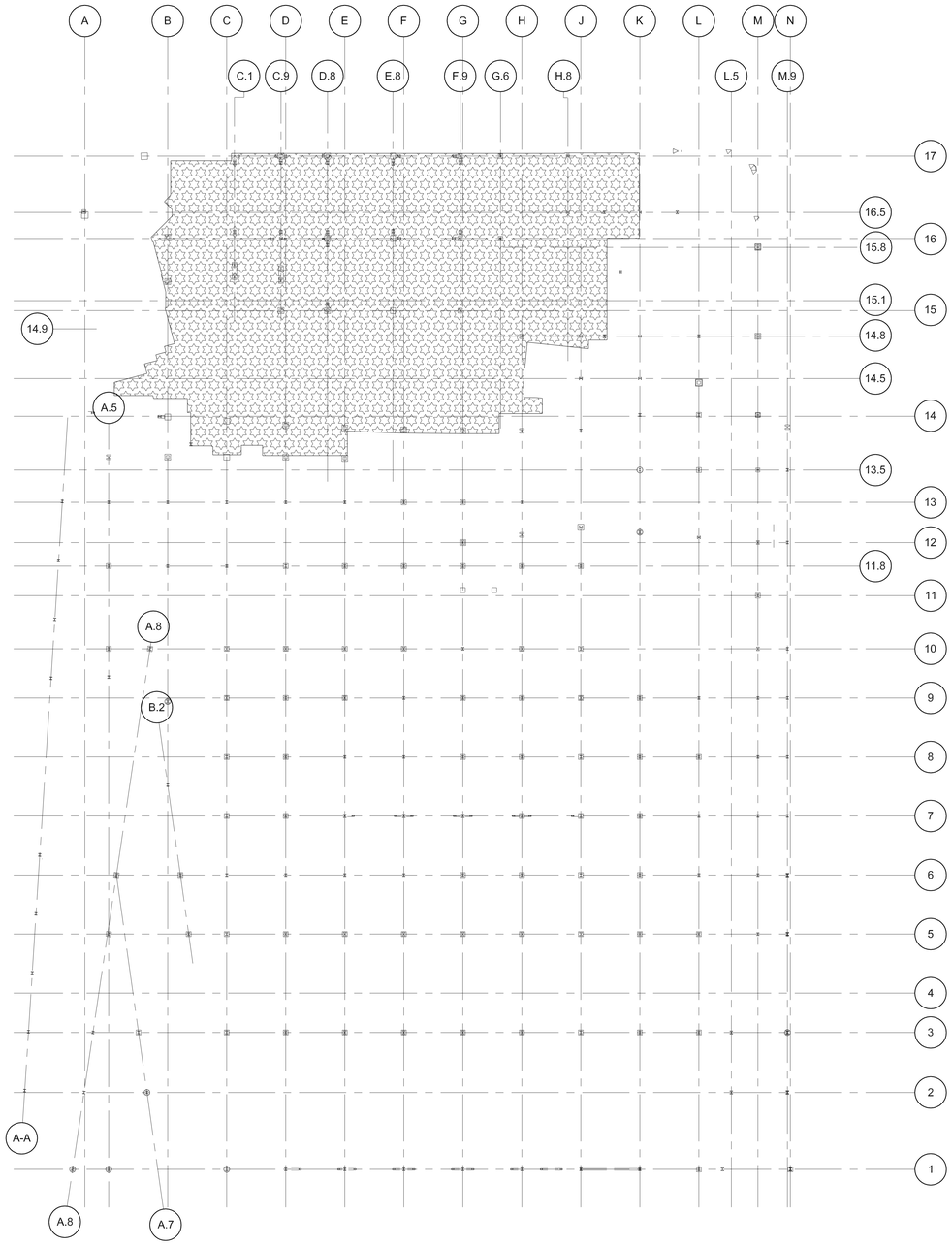
c) THE PERMITTEE OR ITS CONTRACTOR PERFORMING THE WORK SHALL FURNISH EVIDENCE OF ALL POLICIES BEFORE ANY WORK IS STARTED TO THE PERMITTOR:

FOR NYCT CONTRACT INSPECTION
C/O MR. JOHN MALVASIO
DIRECTOR, MOW ENGINEERING
130 LIVINGSTON STREET, ROOM 8044F
BROOKLYN, NY 11201
TELEPHONE: (718) 694-1358

THESE POLICIES MUST: (I) BE WRITTEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE PARAGRAPHS ABOVE, AS APPLICABLE; (II) BE ENDORSED IN FORM ACCEPTABLE TO INCLUDE A PROVISION THAT THE POLICY WILL NOT BE CANCELED, MATERIALLY CHANGED, OR NOT RENEWED, UNLESS OTHERWISE INDICATED HEREIN, AT LEAST THIRTY (30) DAYS PRIOR WRITTEN NOTICE TO THE PERMITTOR C/O MTA RISK AND INSURANCE MANAGEMENT DEPARTMENT - STANDARDS, ENFORCEMENT & CLAIMS UNIT, 2 BROADWAY - 21ST FLOOR, NEW YORK, NY 10004; AND (III) STATE OR BE ENDORSED TO PROVIDE THAT THE COVERAGE AFFORDED UNDER THE CONTRACTOR'S POLICIES SHALL APPLY ON A PRIMARY AND NOT ON AN EXCESS OR CONTRIBUTING BASIS WITH ANY POLICIES WHICH MAY BE AVAILABLE TO THE PERMITTOR/MTA, AND ALSO THAT THE CONTRACTOR'S POLICIES, PRIMARY AND EXCESS, MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE. (IV) IN ADDITION, CONTRACTOR'S POLICIES SHALL STATE OR BE ENDORSED TO PROVIDE THAT, IF A SUBCONTRACTOR'S POLICY CONTAINS ANY PROVISION THAT MAY ADVERSELY AFFECT WHETHER CONTRACTOR'S POLICIES ARE PRIMARY AND MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE, CONTRACTOR'S AND SUBCONTRACTOR'S POLICIES SHALL NEVERTHELESS BE PRIMARY AND MUST BE EXHAUSTED BEFORE IMPLICATING AND PERMITTOR/MTA POLICY AVAILABLE. EXPECT FOR PROFESSIONAL LIABILITY, POLICIES WRITTEN ON CLAIMS MADE BASIS ARE NOT ACCEPTABLE. AT LEAST TWO (2) WEEKS PRIOR TO THE EXPIRATION OF THE POLICIES, CONTRACTOR SHALL ENDEAVOR TO PROVIDE EVIDENCE OF RENEWAL OR REPLACEMENT POLICIES OF INSURANCE. WITH TERMS AND LIMITS NO LESS FAVORABLE THAN THE EXPIRING POLICIES. EXCEPT AS OTHERWISE INDICATED IN THE DETAILED COVERAGE PARAGRAPHS BELOW, SELF INSURED RETENTIONS AND POLICY DEDUCTIBLES SHALL NOT EXCEED $100,000, UNLESS SUCH INCREASED DEDUCTIBLE OR RETENTION IS APPROVED BY PERMITTOR/MTA. THE PERMITTEE SHALL BE RESPONSIBLE FOR ALL CLAIM EXPENSE AND LOSS PAYMENTS WITHIN THE DEDUCTIBLE OR SELF-INSURED RETENTION. THE INSURANCE MONETARY LIMITS REQUIRED HEREIN MAY BE MET THROUGH THE COMBINED USE OF THE INSURED'S PRIMARY AND UMBRELLA/EXCESS POLICIES.

d) CERTIFICATES OF INSURANCE MAY BE SUPPLIED AS EVIDENCE OF POLICIES OF THE ABOVE POLICIES, EXCEPT THE RAILROAD PROTECTIVE LIABILITY POLICY, DESIGNATED AS POLICY D. HOWEVER, IF REQUESTED BY THE PERMITTOR, THE PERMITTEE SHALL DELIVER TO THE AUTHORITY, WITHIN FORTY-FIVE (45) DAYS OF THE REQUEST, A COPY OF SUCH POLICIES, CERTIFIED BY THE INSURANCE CARRIER AS BEING TRUE AND COMPLETE. THE RAILROAD PROTECTIVE LIABILITY INSURANCE POLICY MUST BE PROVIDED IN THE FORM OF THE ORIGINAL POLICY . A DETAILED INSURANCE BINDER MAY BE PROVIDED, ACORD OR MANUSCRIPT FORM, PENDING ISSUANCE OF TH

CAT.OF.AUTH.231186253 Job Number
ESX1009913 Shipment



LEVEL 1 LOADING DIAGRAM
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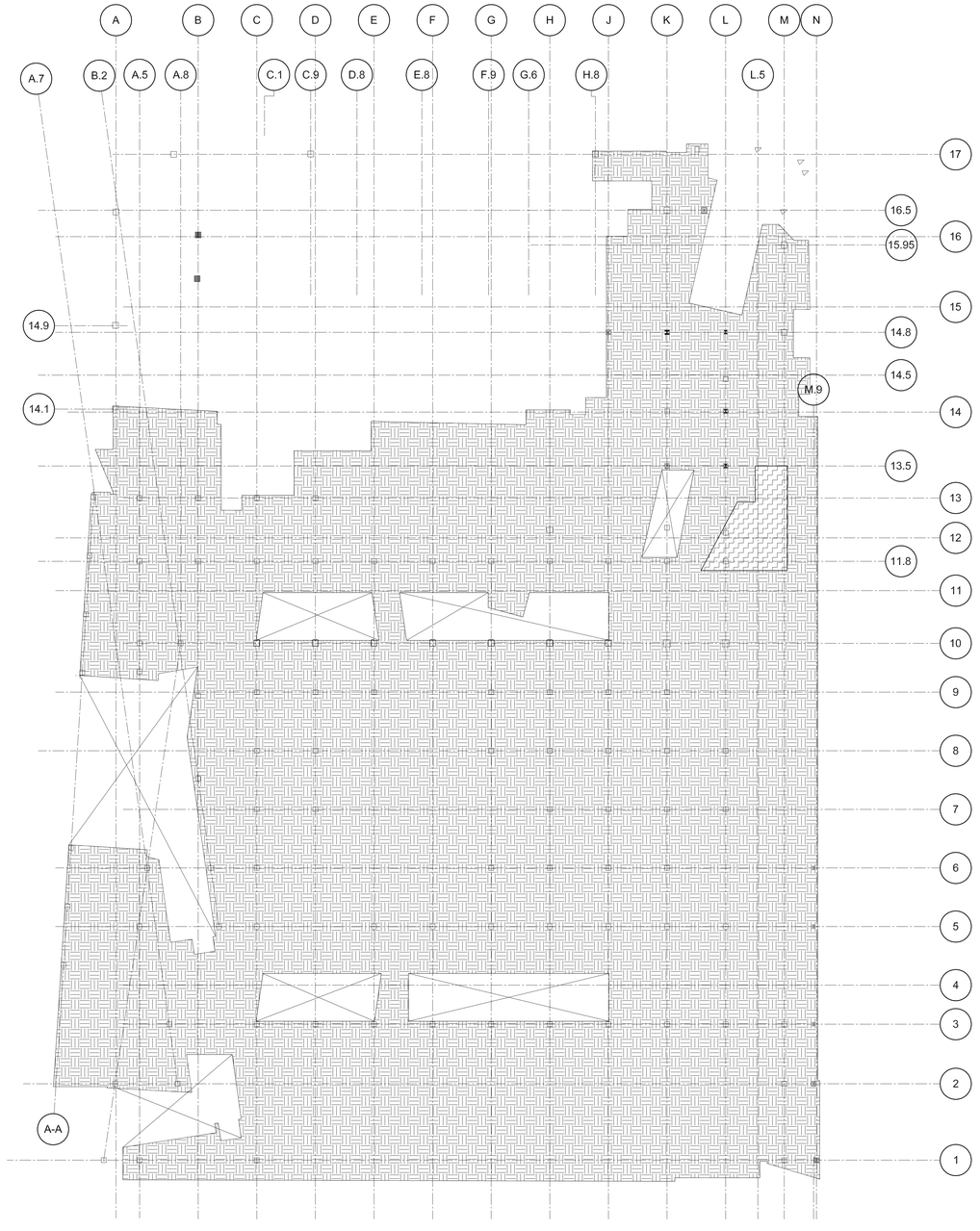

LEVEL 2 LOADING DIAGRAM
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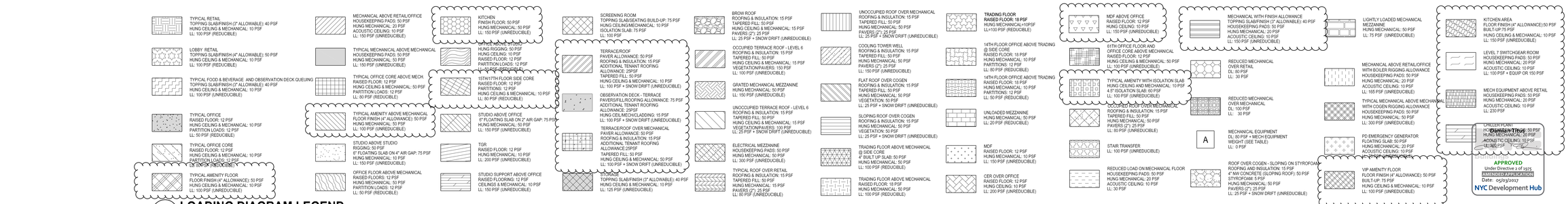

LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
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11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

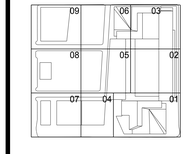
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S0-0102
Drawing Title

LOADING DIAGRAMS

APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

Drawing Number
S0-0102
B-Scan Drawing Number
S-020.01

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CAT DE #4000731186253 Job Number ES7007793S Sheet Code

LEVEL 3 LOADING DIAGRAM
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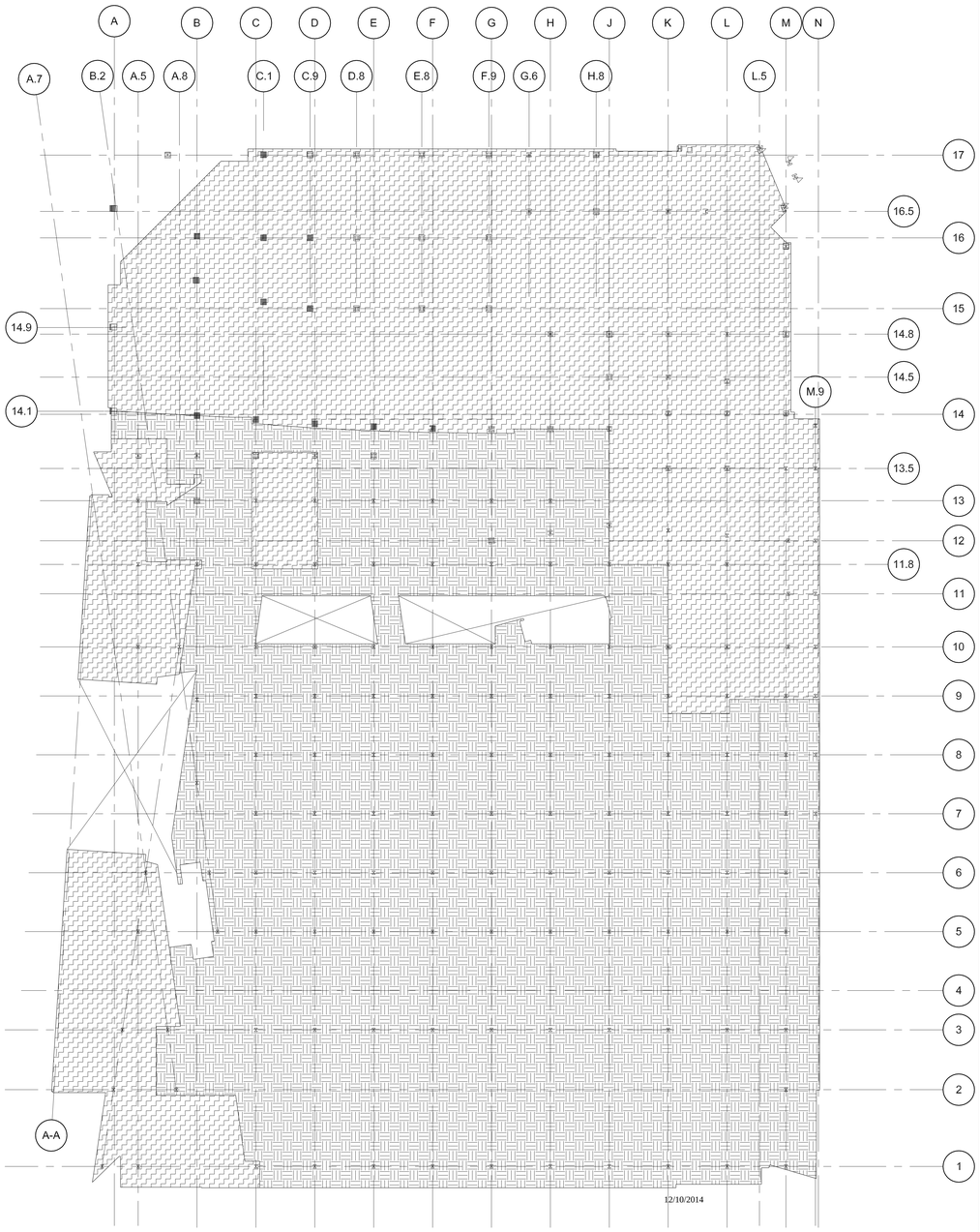

LEVEL 4 LOADING DIAGRAM
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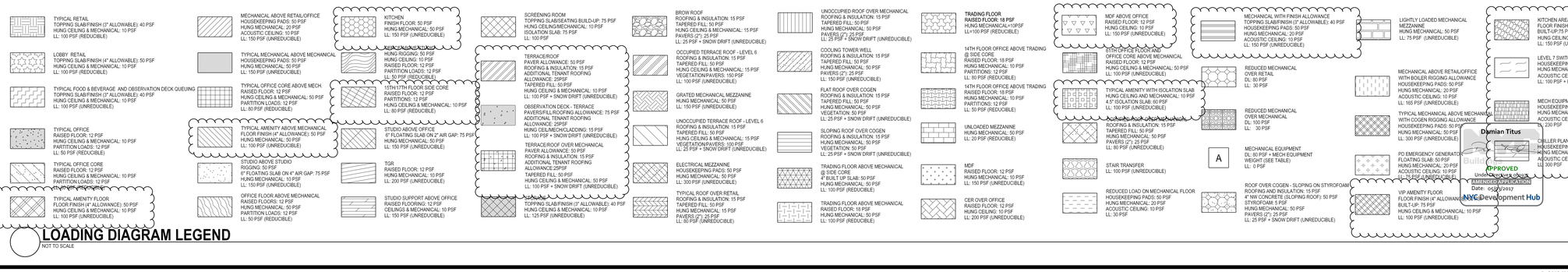

LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
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No.	Description	Date
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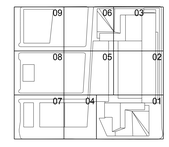
Key Plan



Issue Date: 12/10/2014
Project No. ND1328.00
Drawn By: Author
Sheet Number

Damian Titus
APPROVED
Under Appeal
AMENDMENT APPLICATION
Date: 05/31/2017
NYC Development Hub

HYE-TA-S0-0304
Drawing Title
LOADING DIAGRAMS

Drawing Number
S0-0304
R-Scan Drawing Number
S-021.01

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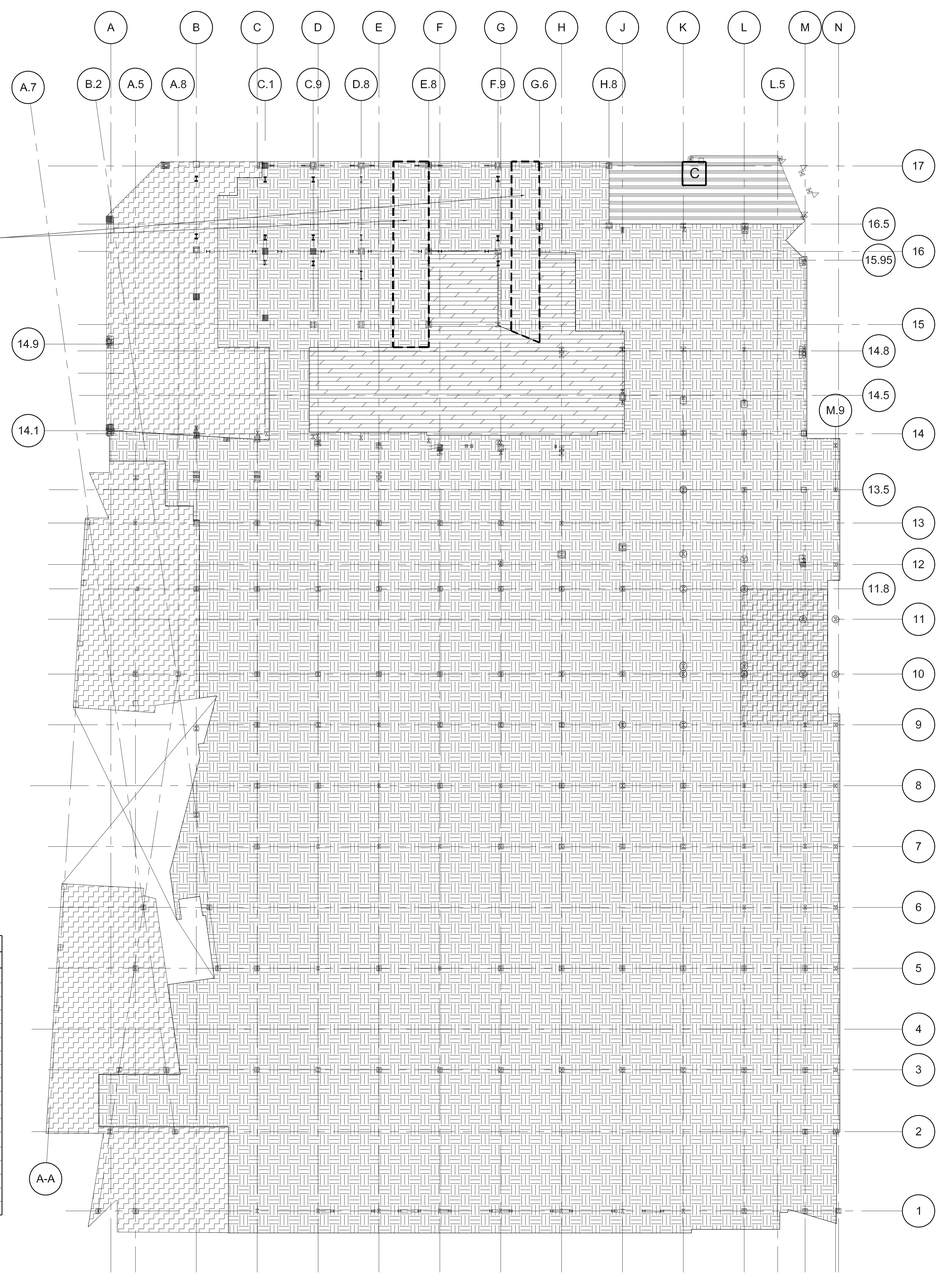
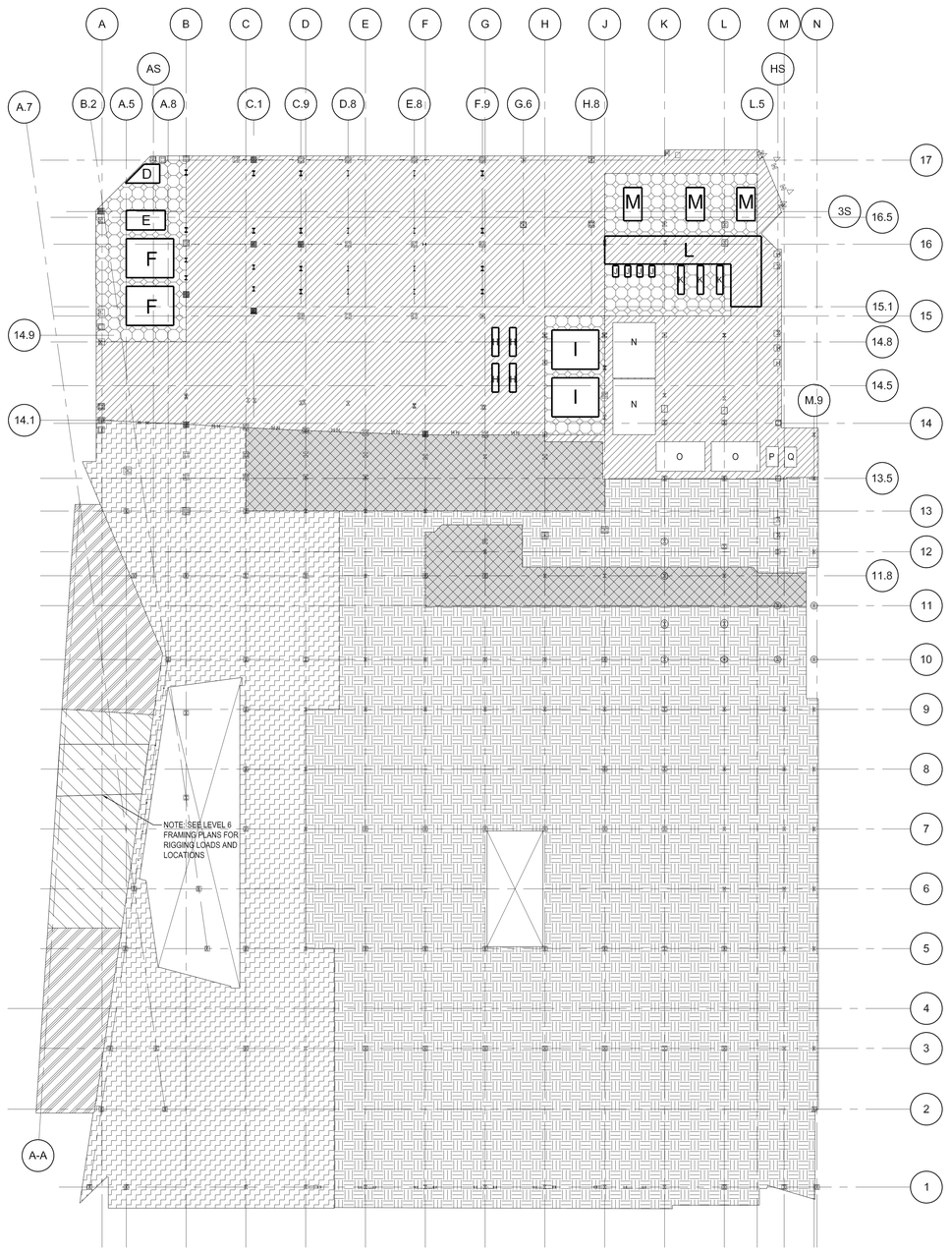
CITY OF NEW YORK Job Number
Work Order



EQUIPMENT	DEAD LOAD (LBS)	DIMENSIONS NS	DIMENSIONS EW
A	455,000	24'	24'
B	32,000	8'	10'
C	20,000	8'	11'
D	30,000	9'	12'
E	49,000	10'	20'
F	594,000	20'	24'
G	24,000	8'	10'
H	45,000	15'	4'
I	275,000	20'	24'
J	5,400	6'	3'
K	40,000	15'	4'
L	**CHILLER REMOVAL ZONE**		
M	40,000	17'	10'
N	422,000	27.88'	21.32'
O	184,000	13.21'	19.68'
P	12,000	10'	6.1'
Q	7,500	10'	6.1'

LEVEL 5 AND 6 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 5 LOADING DIAGRAM
NOT TO SCALE



LEVEL 6 LOADING DIAGRAM
NOT TO SCALE

LOADING DIAGRAM LEGEND
NOT TO SCALE

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY: RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

KITCHEN ABOVE KITCHEN
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

14TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

LOADING DOCK
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL+10PSF
LL+100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

ROOF OVER COGEN (NON-PLENUM)
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

REDUCED MECHANICAL OVER RETAIL
DL: 50 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A

MECHANICAL EQUIPMENT
DL: 30 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE)50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 7 SWITCHGEAR ROOM
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF + EQUIP OR 150 PSF

MECH EQUIPMENT ABOVE RETAIL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 230 PSF

CHILLER PLANT
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 300 PSF
EQUIP. WEIGHT

Damian Titus
APPROVED
Under Directive 2 of 1975
NYC DEPARTMENT OF BUILDINGS
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan

Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S0-0506
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-0506
X-Ref Drawing Number
S-022.01

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CERTIFICATE NUMBER: 2013060501 Job Number
B1000550000 Bldg Code

LEVEL 8 HAS BEEN DESIGNED FOR THE FOLLOWING RIGGING LOADS, BY ZONE:

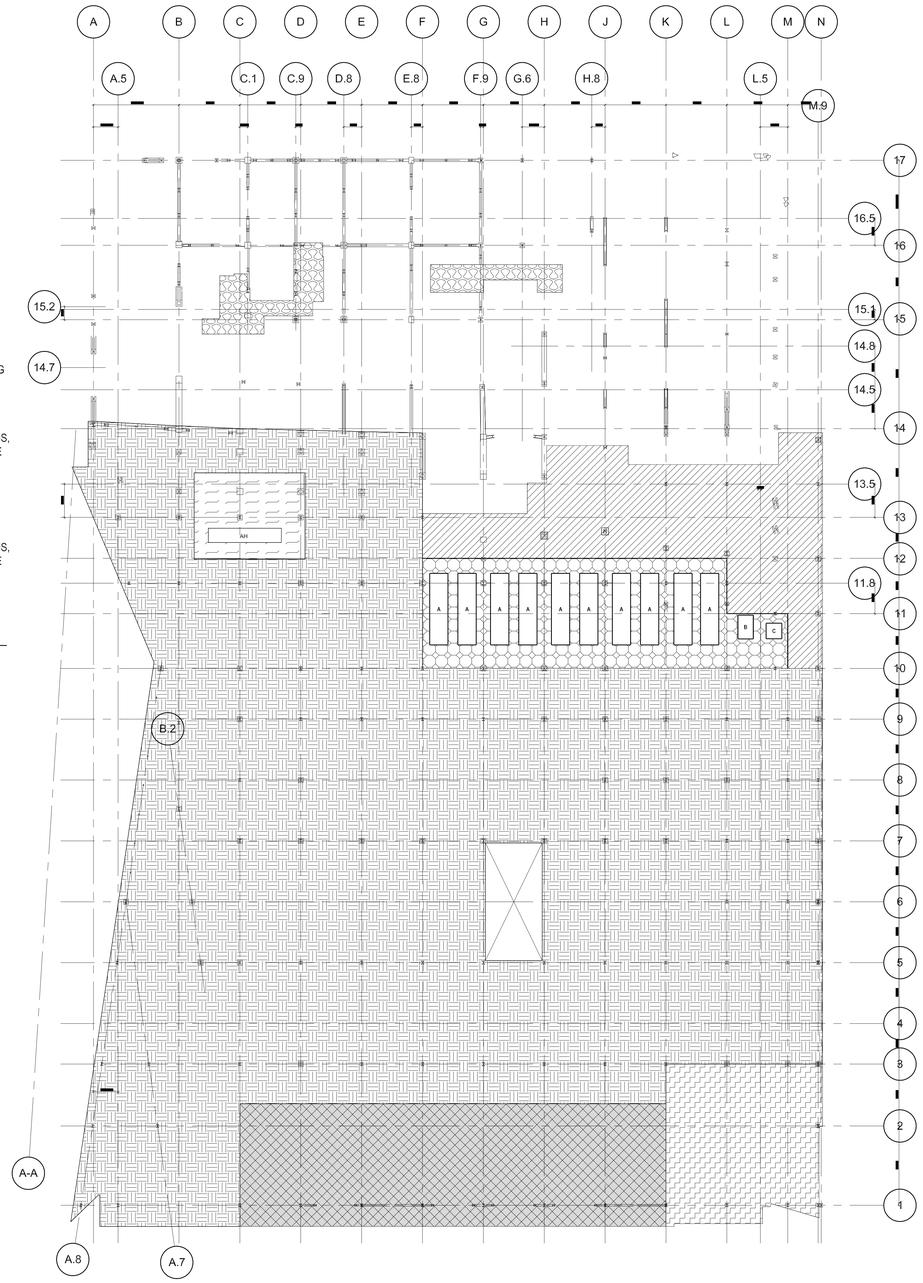
1. RIGGING ZONE 08A:
   DESIGNED FOR A SINGLE 40,000 LB LIVE LOAD SPREAD OVER A MINIMUM 7'-0" x 10'-6" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE. DURING RIGGING OPERATIONS, THE LIVE LOAD IN THE REMAINDER OF THE RIGGING ZONE IS REDUCED TO 75 PSF AND ALL OTHER MECHANICAL EQUIPMENT SPECIFICALLY TABULATED BELOW IS TO REMAIN IN LOCATIONS SHOWN.
2. RIGGING ZONE 08B:
   DESIGNED FOR A SINGLE 55,000 LB LIVE LOAD SPREAD OVER A MINIMUM 6'-8" x 20'-0" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE. DURING RIGGING OPERATIONS, THE LIVE LOAD IN THE REMAINDER OF THE RIGGING ZONE IS REDUCED TO 75 PSF AND ALL OTHER MECHANICAL EQUIPMENT SPECIFICALLY TABULATED BELOW IS TO REMAIN IN LOCATIONS SHOWN.

LEVEL 8 RIGGING NOTES

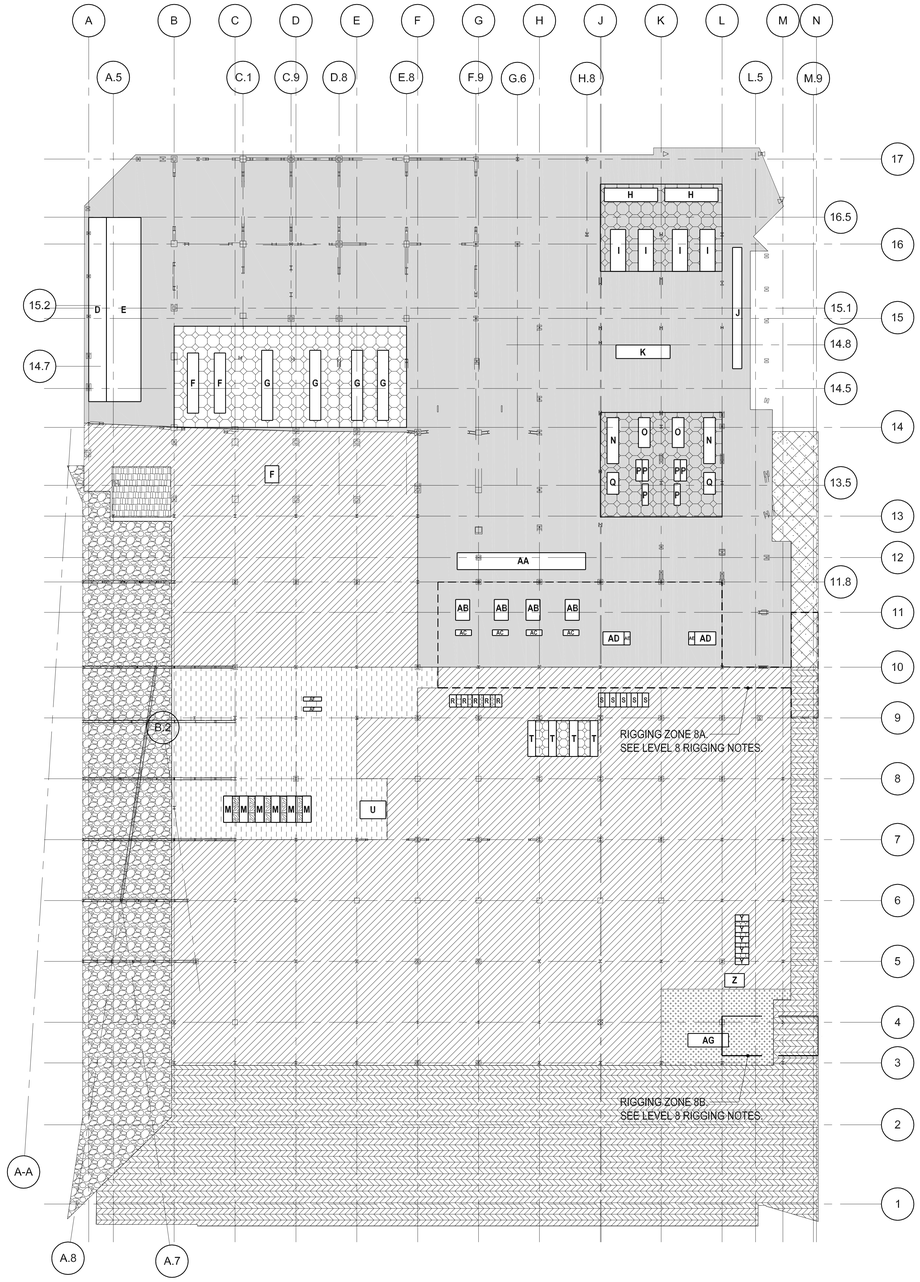
EQUIPMENT	DEAD LOAD (LBS)	DIMENSIONS N-S	DIMENSIONS W-E
A	230,000	35'	9'
B	32,000	12'	8'
C	30,000	12'	19'
D	40,000	90'	9'
E	40,000	90'	17'
F	19,500	30'	6'
G	20,000	35'	6'
H	36,500	7'	28'
I	65,500	21'	8'
J	93,000	60'	5'
K	23,000	7'	27'
L	40,000	10'	7'
M	19,000	13'	4.5'
N	18,000	23'	6'
O	15,000	6'	3'
P	12,000	11'	3.5'
Q	10,000	11'	6'
R	6,000	5'	3.5'
S	6,000	7'	3.5'
T	17,500	18'	4'
U	35,000	9'	13'
X	137,000	54'	6'
Y	6,000	3.5'	7'
Z	20,000	7'	10'
AA	80,000	63.3'	8.3'
AB	40,000	10.5'	7'
AC	10,000	3'	8'
AD	15,000	6.5'	10.5'
AE	10,000	6.5'	3'
AF	19,000	2'	9'
AG	55,000	6.7'	20'
AH	60,000	7'	36'

NOTE:
TABULATED MEHANICAL EQUIPMENT WEIGHTS RELATE TO SPECIFIC MECHANICAL EQUIPMENT THAT EXCEEDS TYPICAL UNIFORMLY DISTRIBUTED LIVE LOAD ALLOWANCES AS INDICATED BY HATCH PATTERNS SHOWN ON DEAGRAMS.

LEVEL 7 AND 8 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 7 LOADING DIAGRAM
NOT TO SCALE



LEVEL 8 LOADING DIAGRAM
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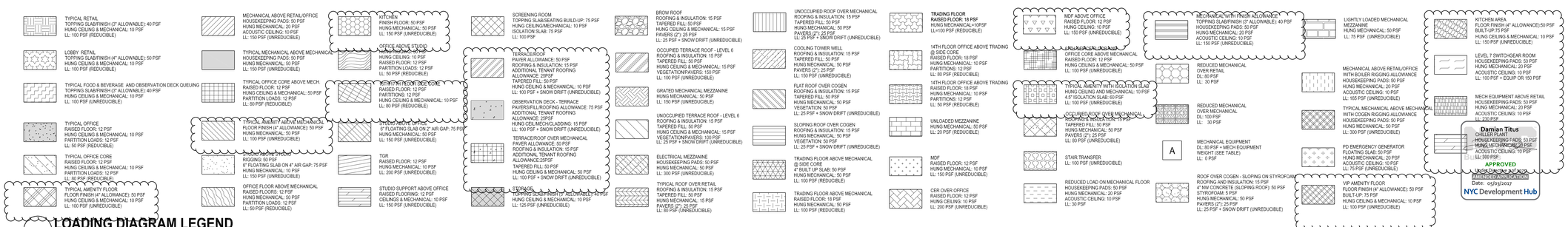

LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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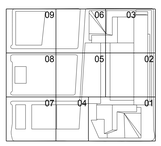
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

Damian Titus
License Number 031906
Date: 09/09/2022

HYE-TA-S0-0708
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-0708
Revision Drawing Number
S-023.01

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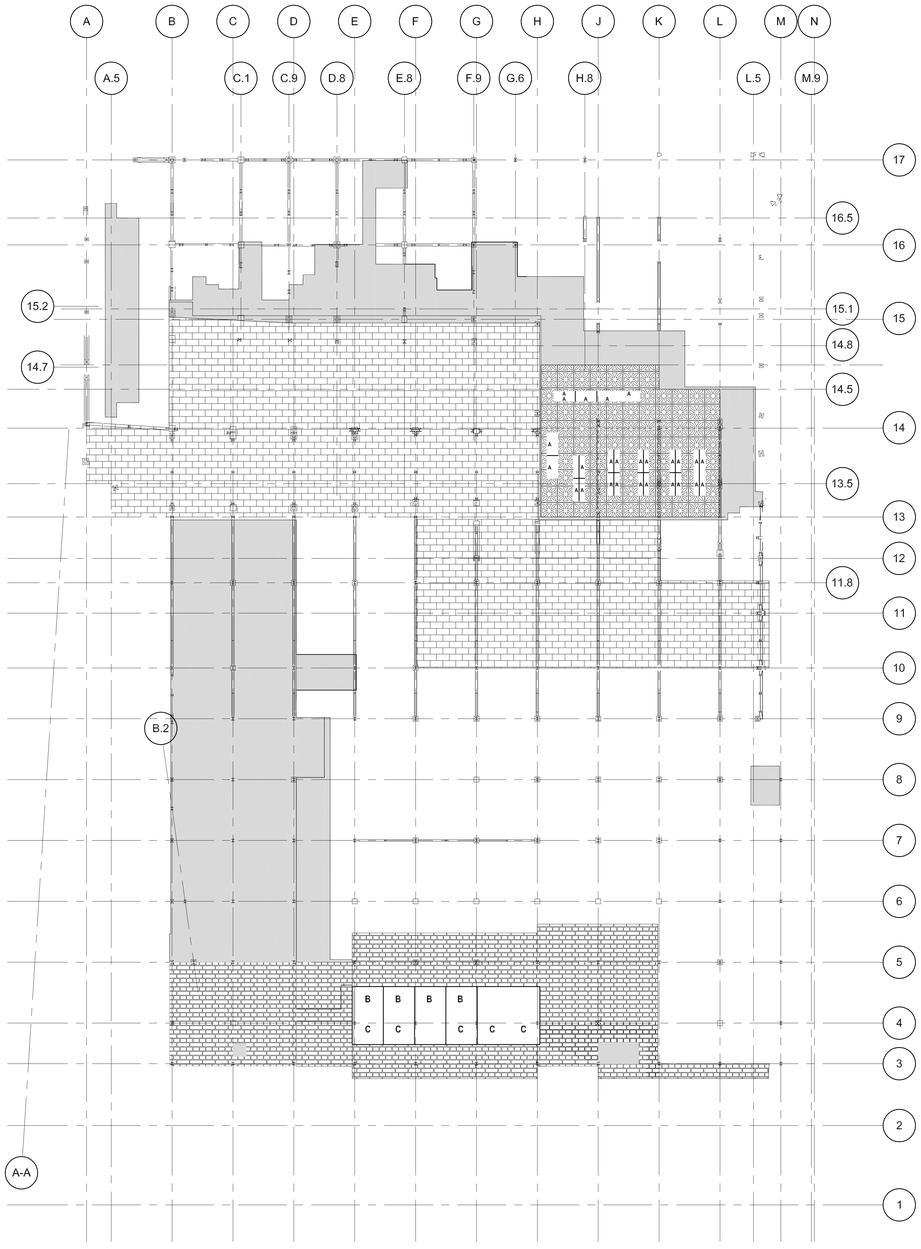
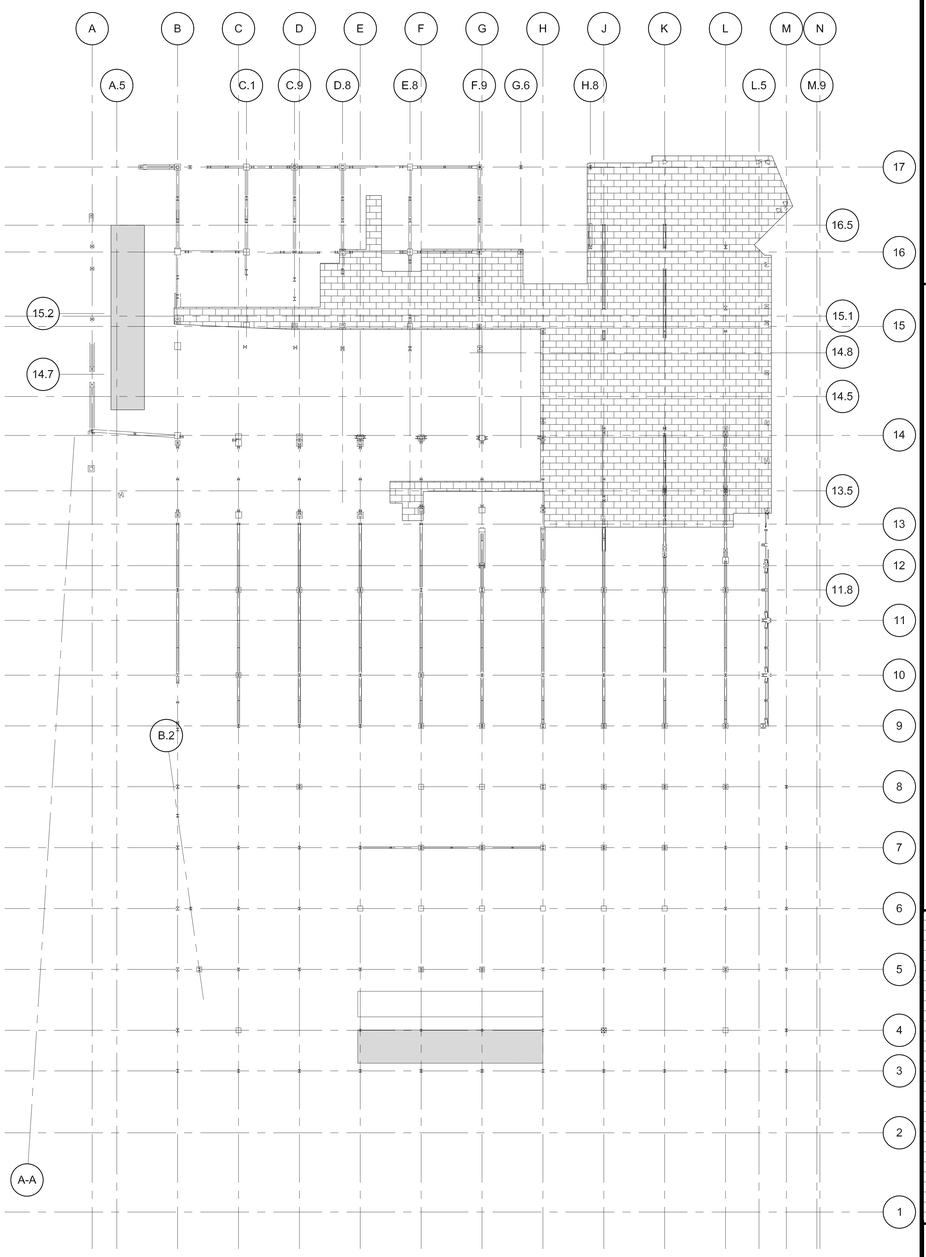
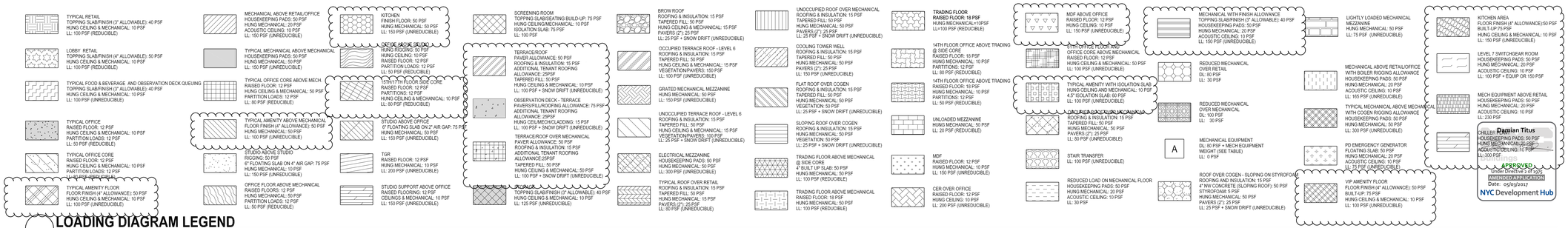


EQUIPMENT	DEAD LOAD (LBS)	DIMENSIONS	
		N-S	W-E
A		11'	3'
B	40,000	16'	15'
C	6,000	12'	

LEVEL 9 LOWER LOADING DIAGRAM
NOT TO SCALE



LEVEL 9 UPPER LOADING DIAGRAM
NOT TO SCALE



LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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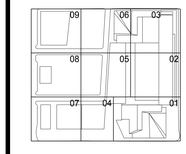
TEL: 617.426.1300

No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
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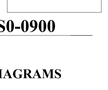
Sheet Number



HYE-TA-S0-0900
Drawing Title

LOADING DIAGRAMS

Damian Titus
APPROVED
Under Directive 4 of 1975
AMENDED APPLICATION
Date: 09/09/2017
NYC Development Hub

Drawing Number
S0-0900
Revision Drawing Number
S-024.01

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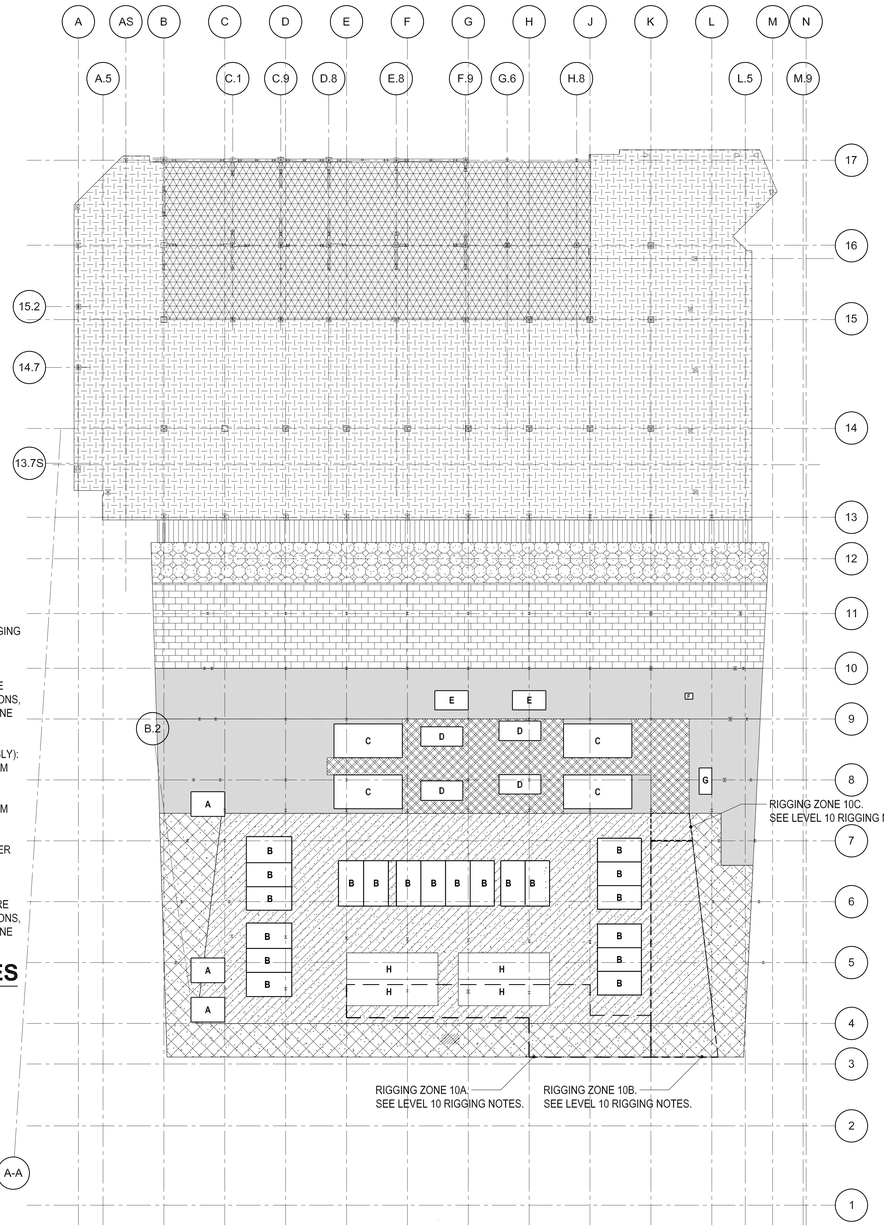
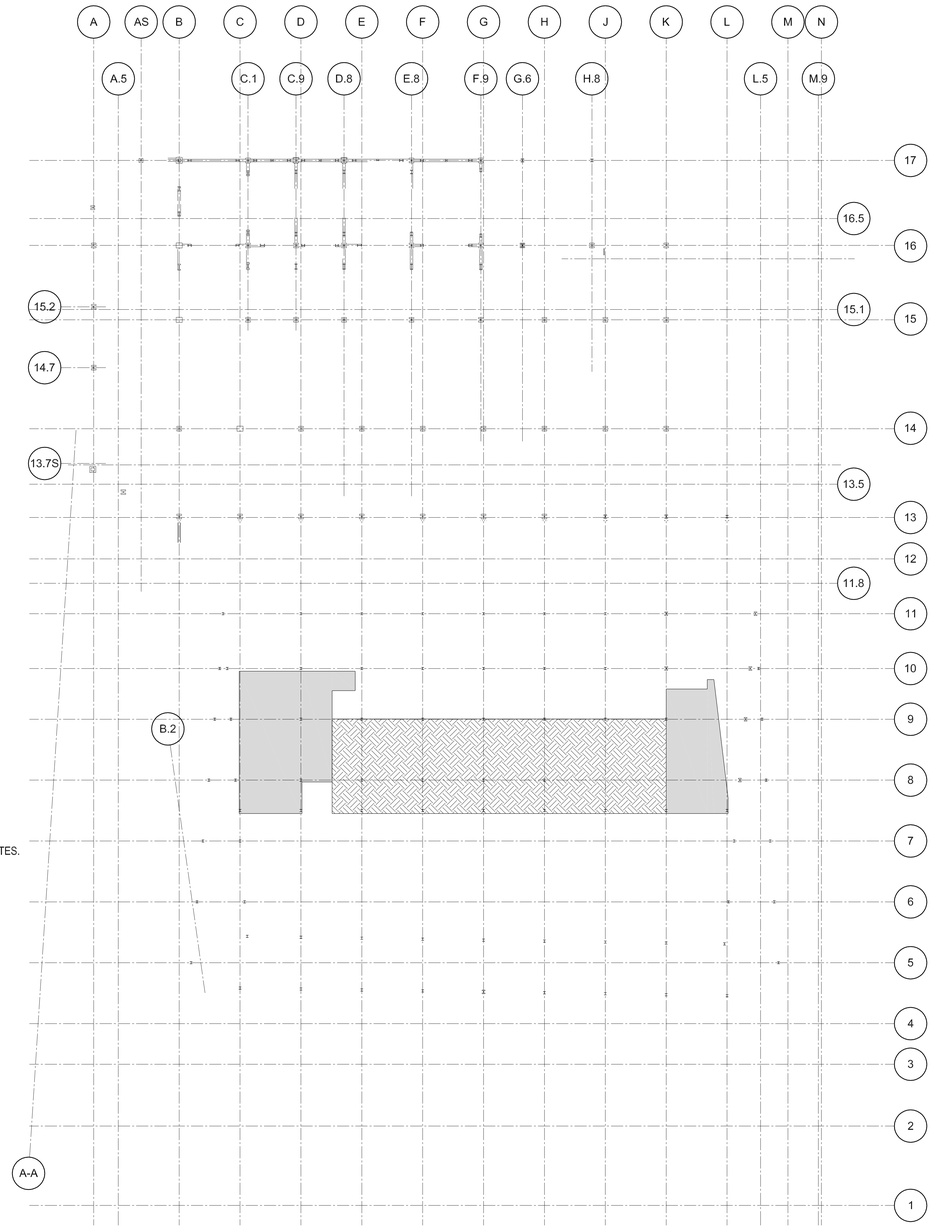
CAT:DP_BLACK(31196253) Job Number
B3000931(0) Sheet Number





LEVEL 10 HAS BEEN DESIGNED FOR THE FOLLOWING RIGGING LOADS, BY ZONE:

1. RIGGING ZONE 10A:
   DESIGNED FOR A SINGLE 40,000 LB LIVE LOAD SPREAD OVER A MINIMUM 5'-7" x 8'-0" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE. DURING RIGGING OPERATIONS, THE LIVE LOAD IN THE REMAINDER OF THE RIGGING ZONE IS REDUCED TO 25 PSF.
2. RIGGING ZONE 10B:
   DESIGNED FOR TWO CONDITIONS (NOT SIMULTANEOUSLY):
   A. SINGLE 40,000 LB LIVE LOAD SPREAD OVER A MINIMUM 5'-7" x 8'-0" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE.
   B. SINGLE 60,000 LB LIVE LOAD SPREAD OVER A MINIMUM 8'-6" x 23'-6" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE.
   IN EITHER CONDITION, THE LIVE LOAD IN THE REMAINDER OF THE RIGGING ZONE IS REDUCED TO 25 PSF.
3. RIGGING ZONE 10C:
   DESIGNED FOR A SINGLE 60,000 LB LIVE LOAD SPREAD OVER A MINIMUM 8'-6" x 23'-6" AREA LOCATED ANYWHERE WITHIN THE RIGGING ZONE. DURING RIGGING OPERATIONS, THE LIVE LOAD IN THE REMAINDER OF THE RIGGING ZONE IS REDUCED TO 25 PSF.

LEVEL 10 RIGGING NOTES

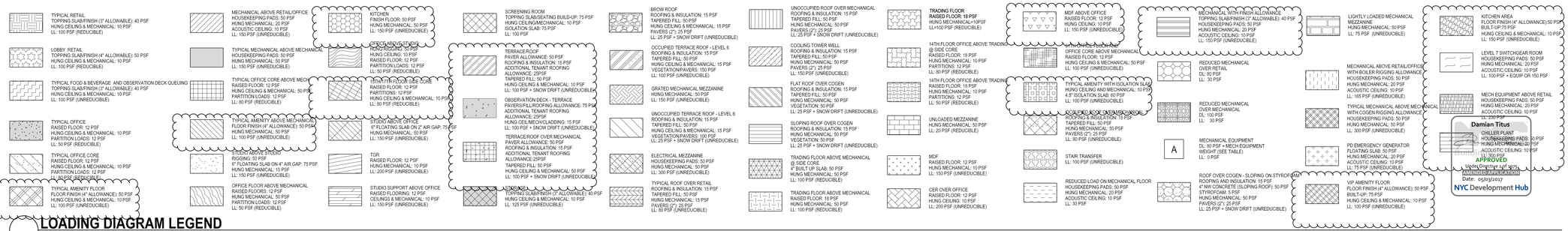
EQUIPMENT	DEAD LOAD (LBS)	DIMENSIONS N-S	DIMENSIONS W-E
A	15,000	12.5'	16.8'
B	50,000	12"	22'
C	120,000	17'	34'
D	150,000	10'	21'
E	70,000	9.5'	16.5'
F	6,500	3.8'	6.25'
G	29,000	6.25'	13'
H	130,000	13'	45'

NOTE:
TABULATED MEHANICAL EQUIPMENT WEIGHTS RELATE TO SPECIFIC MECHANICAL EQUIPMENT THAT EXCEEDS TYPICAL UNIFORMLY DISTRIBUTED LIVE LOAD ALLOWANCES AS INDICATED BY HATCH PATTERNS SHOWN ON DEAGRAMS.

LEVEL 10 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 10 LOADING DIAGRAM
NOT TO SCALE

LEVEL 10 UPPER LOADING DIAGRAM
NOT TO SCALE



LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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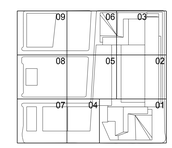
No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
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Sheet Number

STATE OF NEW YORK
LICENSED ARCHITECT
SCOTT A. KRAFT
029744
REGISTERED ARCHITECT

HYE-TA-S0-1000
Drawing Title

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Drawing Number
S0-1000
S-Xxxx Drawing Number
S-025.01

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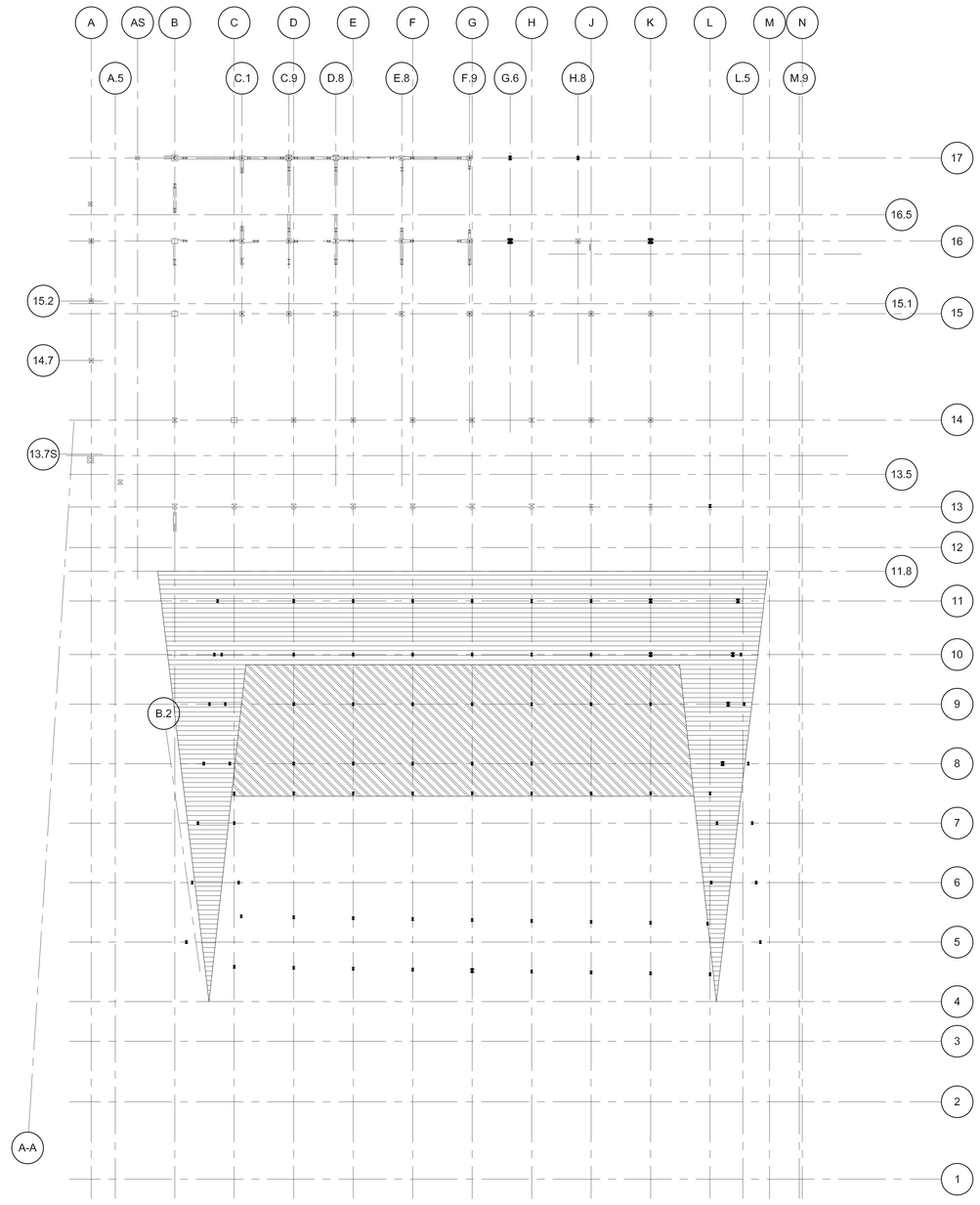
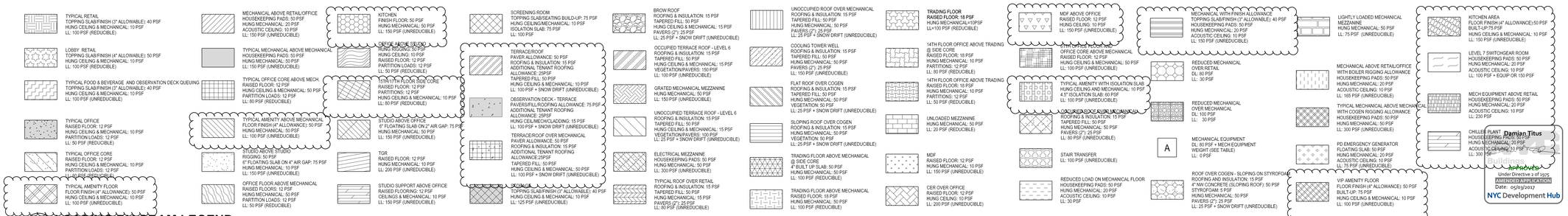
E3571E0508 Shipment Date



PODIUM ROOF LOADING DIAGRAM
NOT TO SCALE



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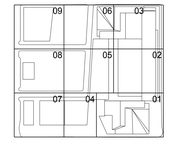
Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S0-1001
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1001
R-Scan Drawing Number
S-026.01

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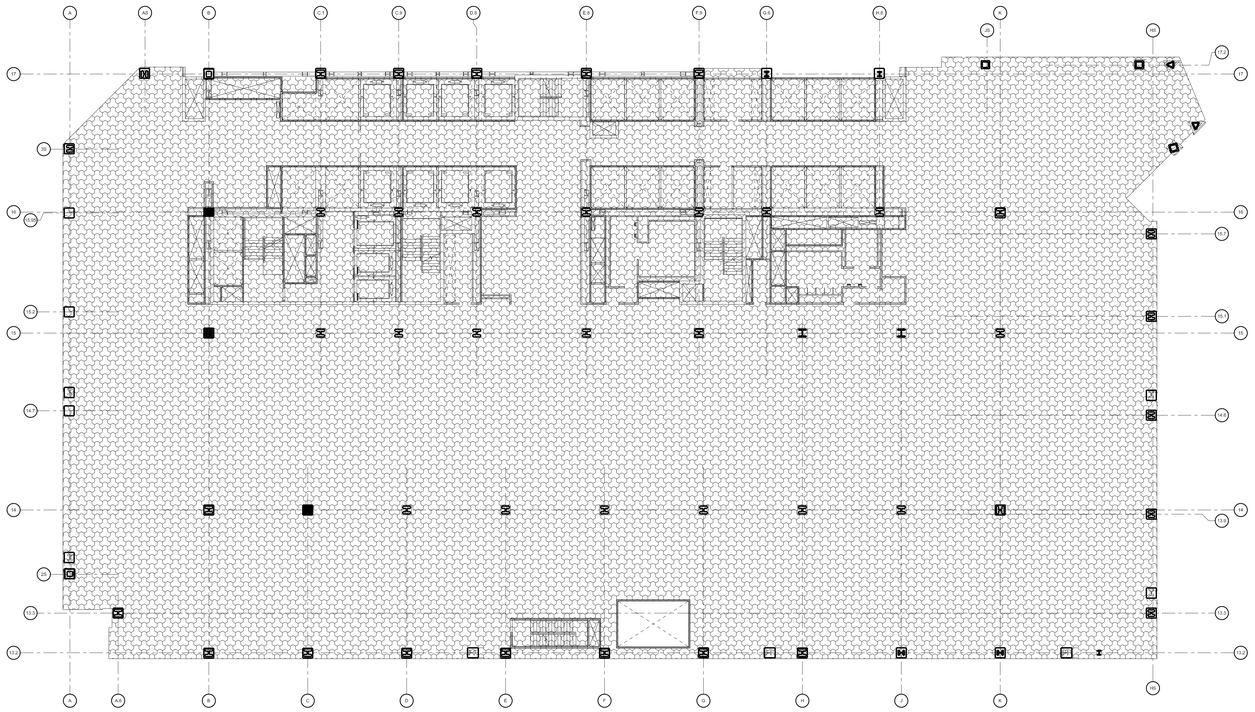
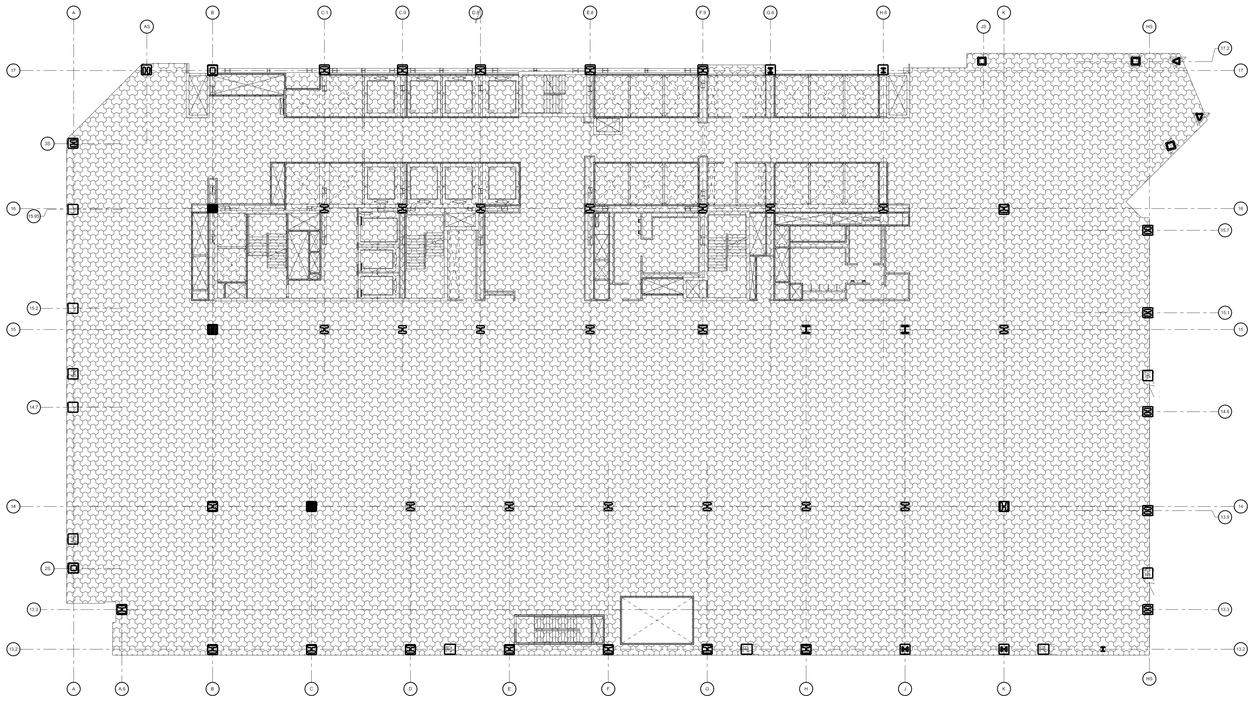


LEVEL 11 LOADING DIAGRAM
NOT TO SCALE



LEVEL 12 LOADING DIAGRAM
NOT TO SCALE

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 10 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
(BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 60 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/09/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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80 Pine Street
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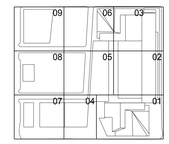
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

STATE OF NEW YORK
LICENSED ARCHITECT
NATIONAL ARCHITECTURE

HYE-TA-S0-1112
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1112
N-Scan Drawing Number
S-027.01

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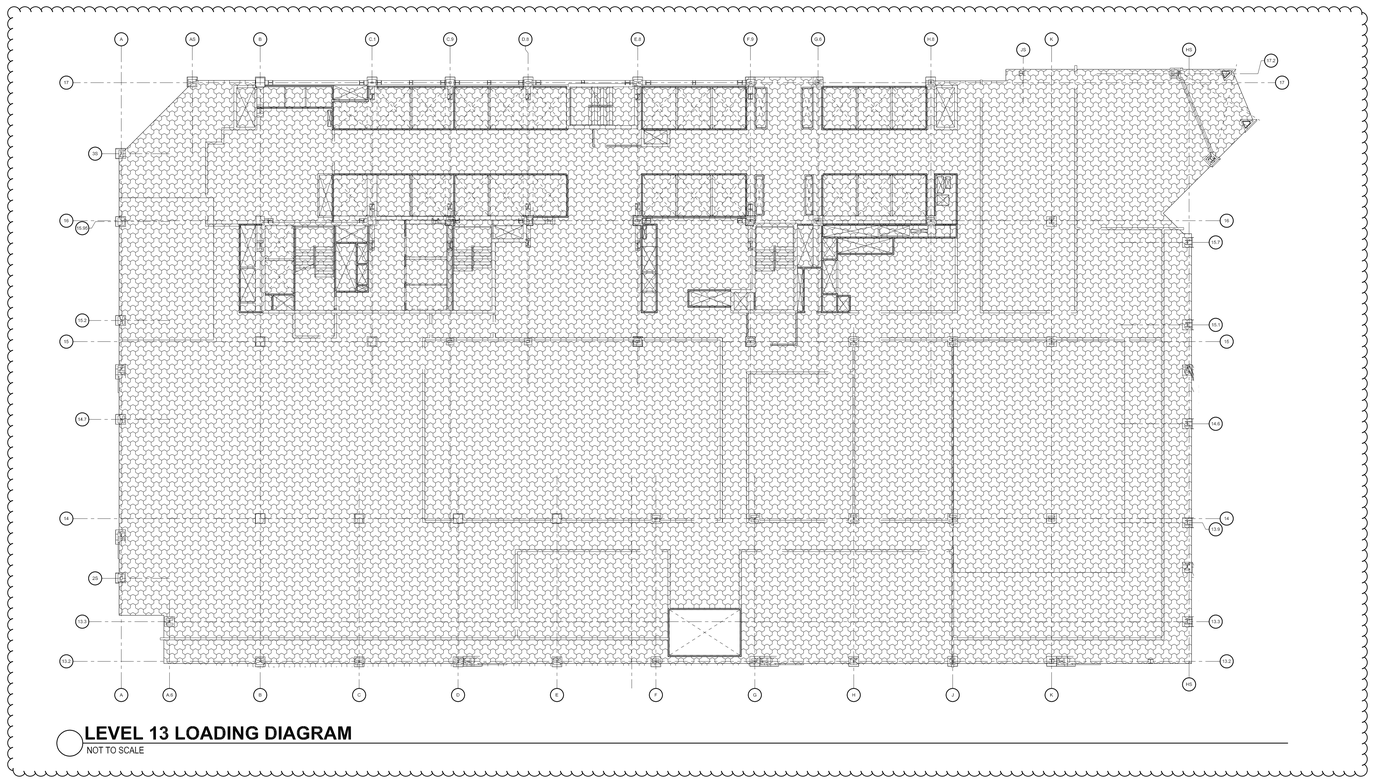
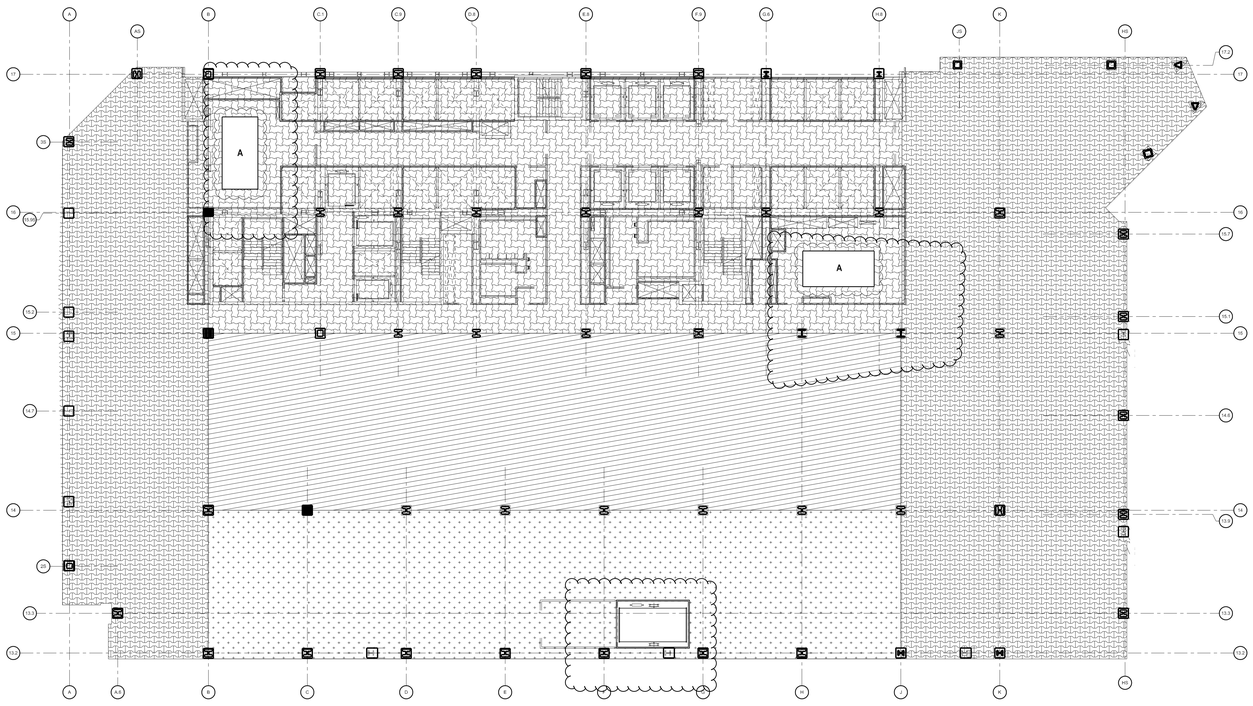


LEVEL 13 LOADING DIAGRAM
NOT TO SCALE



LEVEL 14 LOADING DIAGRAM
NOT TO SCALE

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 14 MECHANICAL EQUIPMENT WEIGHTS

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL:10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A — MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE
PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 10 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/01/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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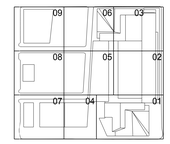
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



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Project No. N11328.00
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Sheet Number

HYE-TA-S0-1314
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1314
Revision Drawing Number
S-028.01

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LEVEL 15 LOADING DIAGRAM CASE 1 (DOUBLE HEIGHT STUDIO CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 16 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 15TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 15 MECHANICAL EQUIPMENT WEIGHTS

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE
PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 10 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND

NOT TO SCALE

LEVEL 15 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 16 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 15TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 15 MECHANICAL EQUIPMENT WEIGHTS

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New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
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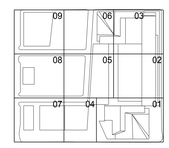
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Damian Titus
Buildings
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AMENDED APPLICATION
Date: 09/09/2017
NYC Development Hub

Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

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Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1500
Revised Drawing Number
S-029.01

SHEET 12 OF 443

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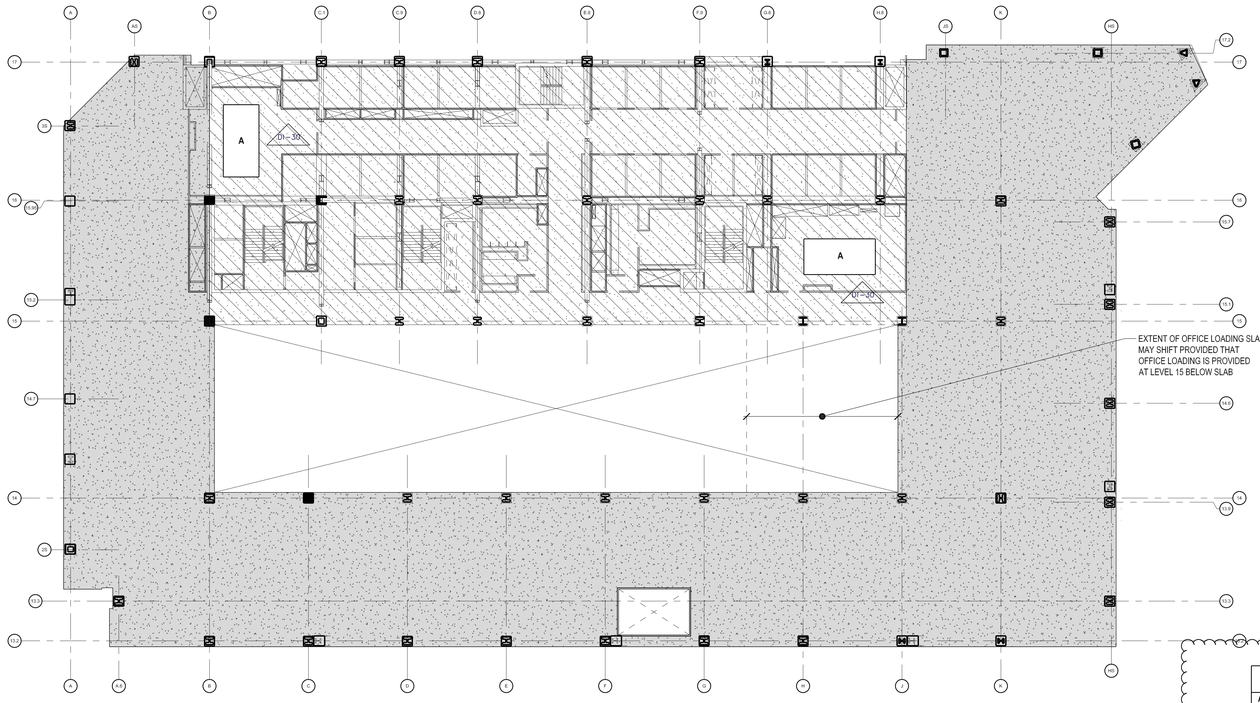


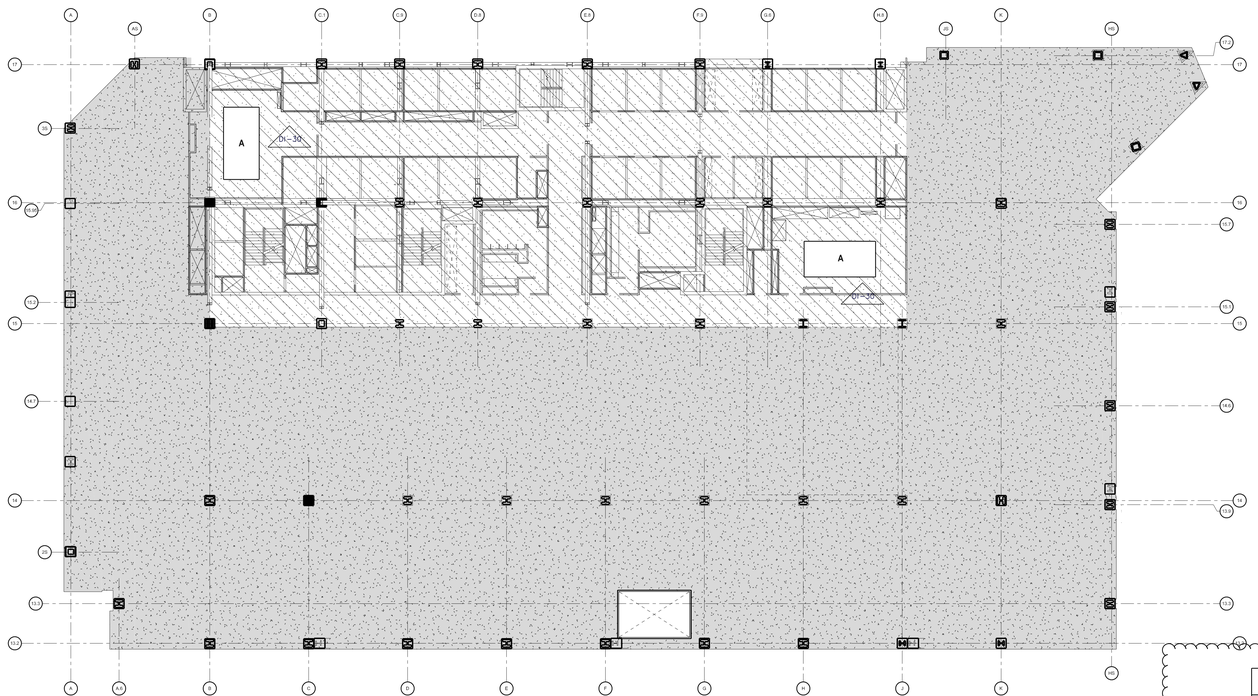
LEVEL 16 LOADING DIAGRAM - CASE 1 (DOUBLE HEIGHT STUDIO CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 16 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 15TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 16 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 16 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 16 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 15TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 16 MECHANICAL EQUIPMENT WEIGHTS

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL:10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A — MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" MIN CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL:: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE
PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND

NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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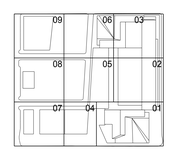
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

STATE OF NEW YORK — DAMIAN JOSEPH TITUS — 031 — LICENSED ARCHITECT

HYE-TA-S0-1600

Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1600
Revision Drawing Number
S-030.01

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LEVEL 17 LOADING DIAGRAM - CASE 1 (DOUBLE HEIGHT STUDIO CONDITION)

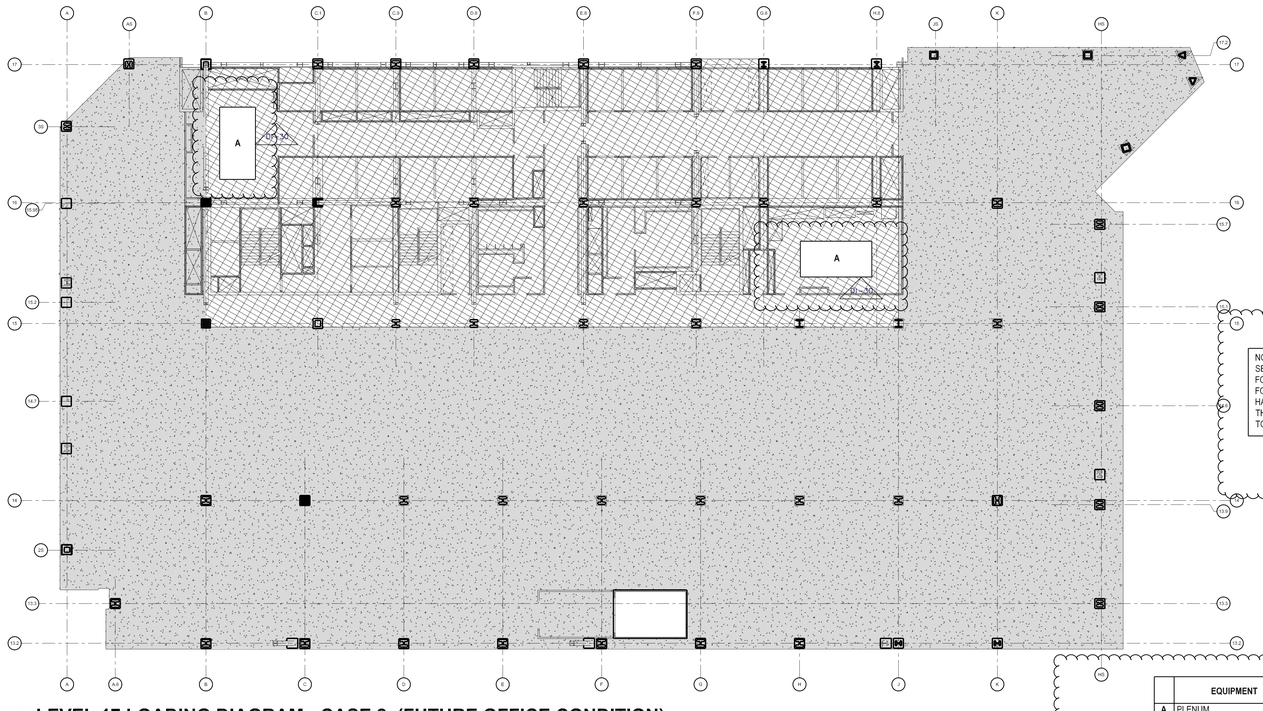
NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 18 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 17TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 17 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 17 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 18 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 17TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 17 MECHANICAL EQUIPMENT WEIGHTS

LOADING DIAGRAM LEGEND

NOT TO SCALE

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 50 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/PEDESTAL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEILING/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Retail Interior Design & Planning
Elkus-Manfredi
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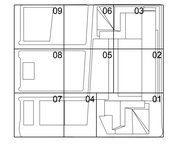
No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S0-1700

Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1700
B-Scan Drawing Number
S-031.01

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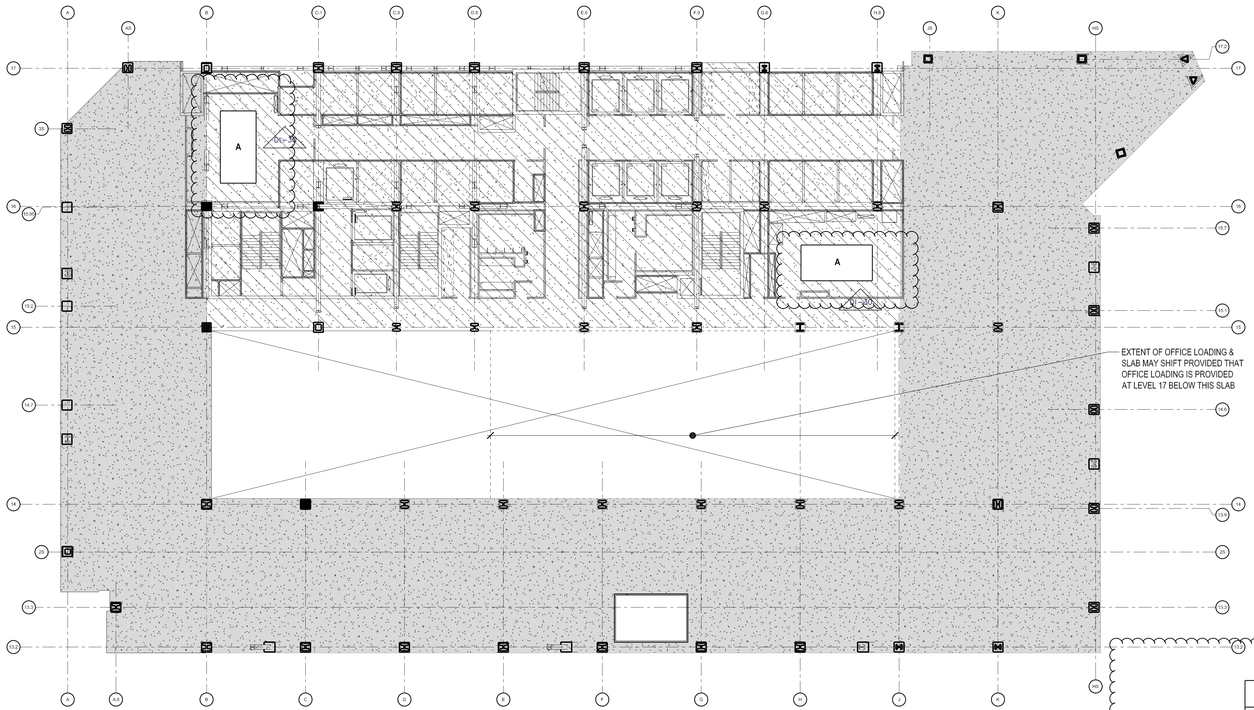


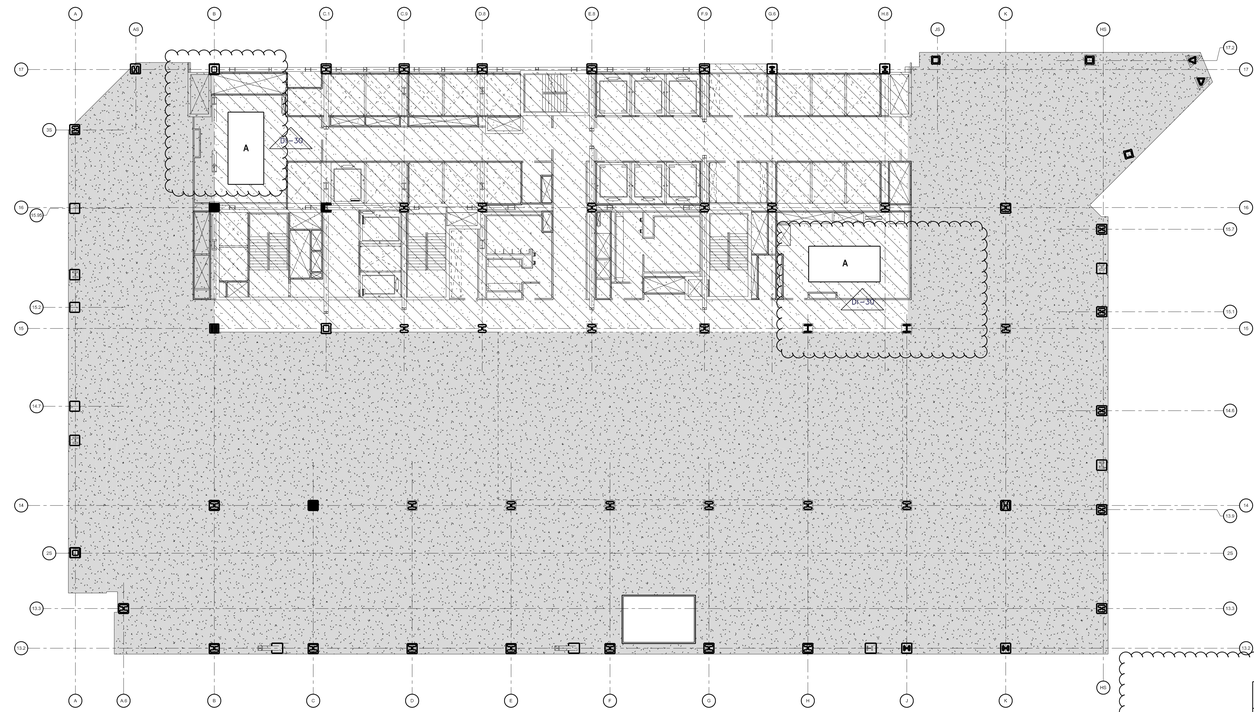
LEVEL 18 LOADING DIAGRAM - CASE 1 (DOUBLE HEIGHT STUDIO CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 18 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 17TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 18 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 18 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 18 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 17TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 18 MECHANICAL EQUIPMENT WEIGHTS

LOADING DIAGRAM LEGEND

NOT TO SCALE

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" MIN CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE
PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2022
NYC Development Hub

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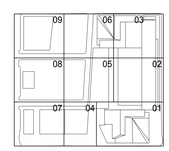
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



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Drawn By Author
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HYE-TA-S0-1800

Drawing Title

LOADING DIAGRAMS

Drawing Number
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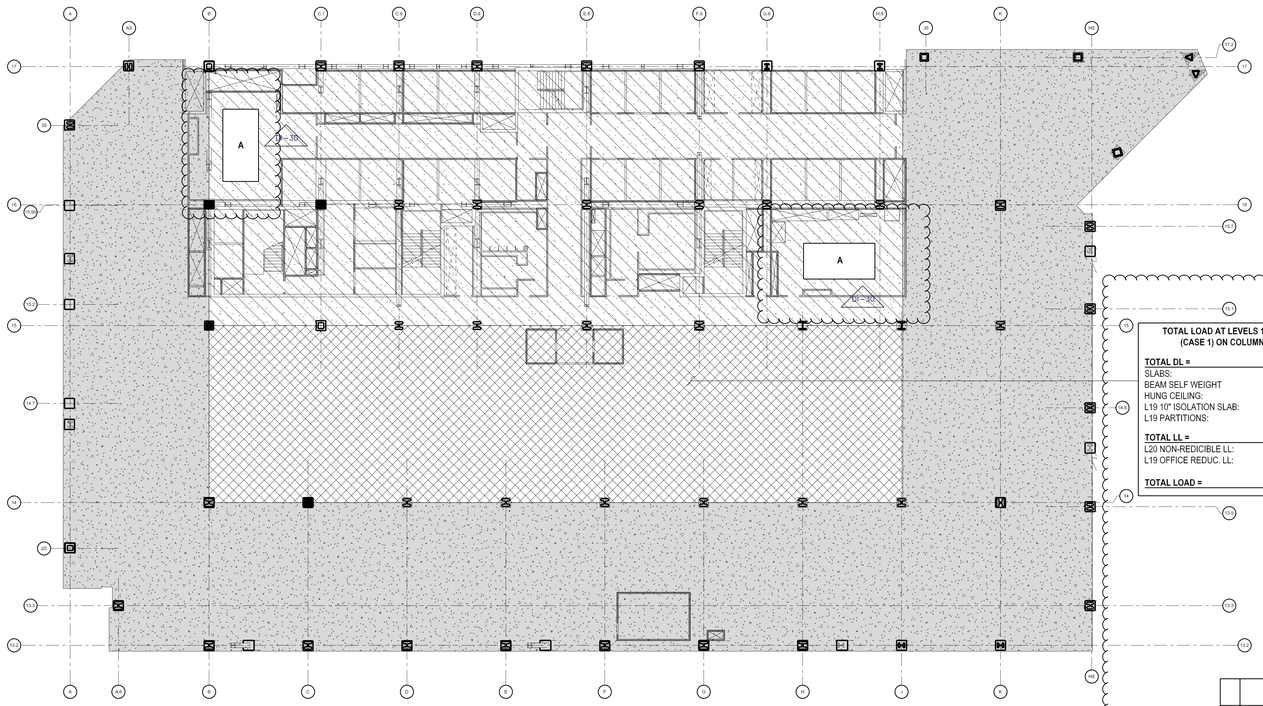

LEVEL 19 LOADING DIAGRAM - CASE 1 (SCREENING ROOM CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 20 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 19TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

TOTAL LOAD AT LEVELS 19 & 20 (CASE 1) ON COLUMNS	
TOTAL DL =	**237 PSF**
SLABS:	2 x 55 PSF
BEAM SELF WEIGHT	2 x 10 PSF
HUNG CEILING:	2 x 10 PSF
L19 10" ISOLATION SLAB:	75 PSF
L19 PARTITIONS:	12 PSF
TOTAL LL =	**200 PSF**
L20 NON-REDICIBLE LL:	100 PSF
L19 OFFICE REDUC. LL:	100 PSF
TOTAL LOAD =	**437 PSF**

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 19 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 19 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 20 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 19TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 19 MECHANICAL EQUIPMENT WEIGHTS

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE
PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOF ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOF ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 10 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND

NOT TO SCALE

Damian Titus
Building
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2015
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Elkus-Manfredi
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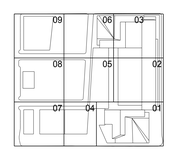
Boston, MA 02210
TEL: 617.426.1300

No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S0-1900

Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-1900
Revision Drawing Number
S-033.01

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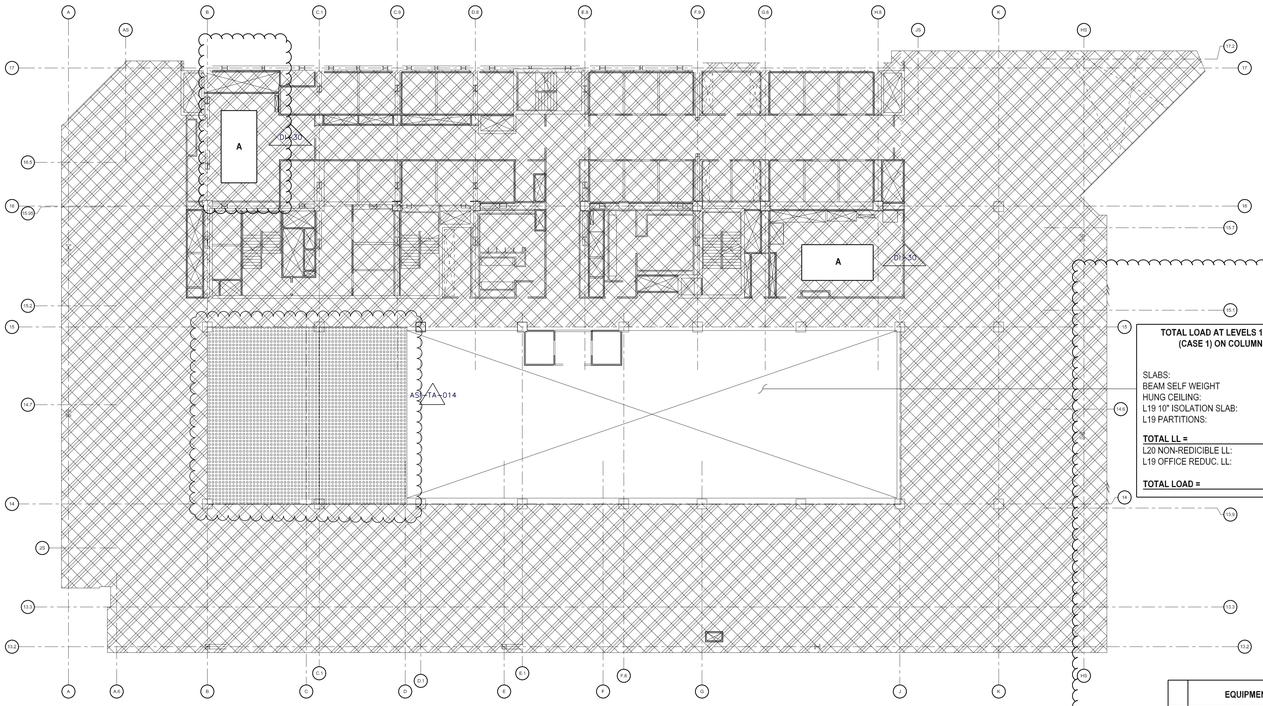
CAT:DE BLACK(273.0)BK(0) Job Number
B3002339.01 Sheet Code



LEVEL 20 LOADING DIAGRAM - CASE 1 (SCREENING ROOM CONDITION)

NOT TO SCALE

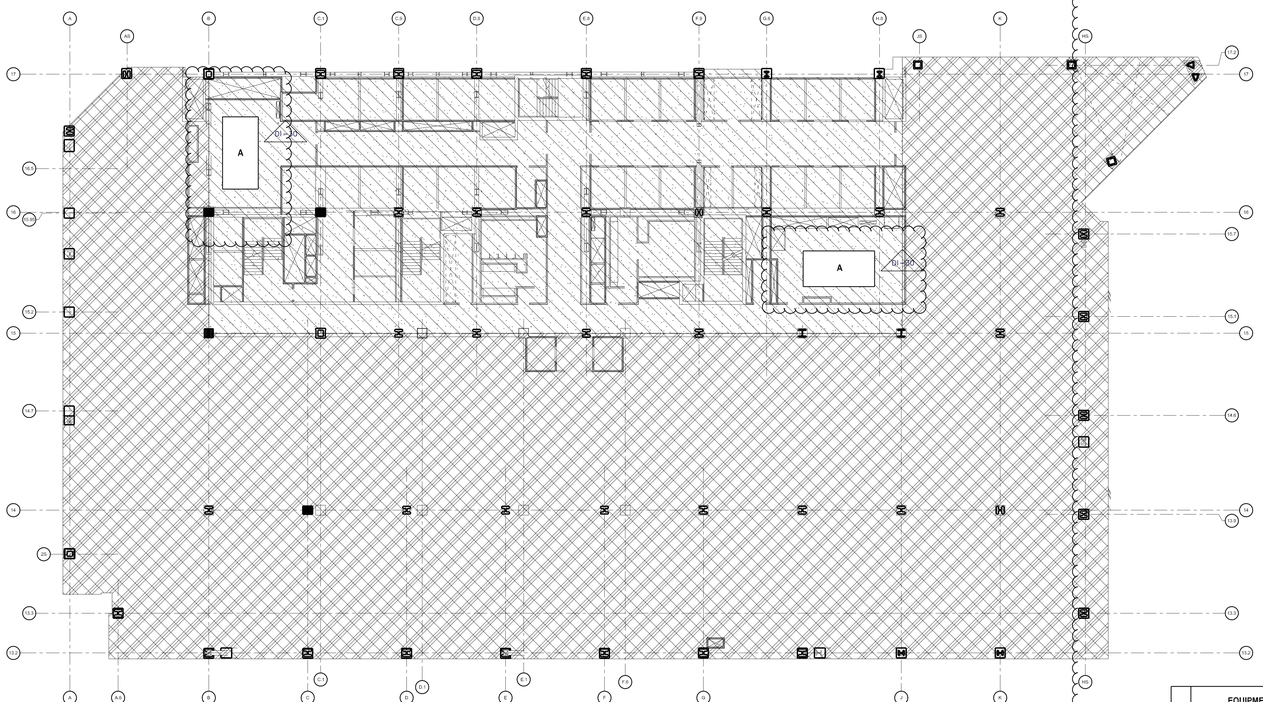
NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 20 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 19TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

TOTAL LOAD AT LEVELS 19 & 20 (CASE 1) ON COLUMNS

SLABS:	2 x 55 PSF
BEAM SELF WEIGHT	2 x 10 PSF
HUNG CEILING:	2 x 10 PSF
L19 10" ISOLATION SLAB:	75 PSF
L19 PARTITIONS:	12 PSF
TOTAL LL =	**200 PSF**
L20 NON-REDICIBLE LL:	100 PSF
L19 OFFICE REDUC. LL:	100 PSF
TOTAL LOAD =	**437 PSF**

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	
A	PLENUM	20,000	22'



LEVEL 20 LOADING DIAGRAM - CASE 2 (FUTURE OFFICE CONDITION)

NOT TO SCALE

NOTE: BUILDING COLUMNS ARE DESIGNED FOR EITHER CASE 1 OR CASE 2 CONDITION.
FOR EXAMPLE, IF LEVEL 20 SLAB IS PRESENT (CASE 2), BETWEEN GRIDS B & J, 14-15, THE 19TH FLOOR MUST HAVE NO HIGHER THAN OFFICE LOADING IN THIS LOCATION.

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	22'

LEVEL 20 MECHANICAL EQUIPMENT WEIGHTS

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/LADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND

NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
EXTENSION OF UTILIZATION
Date: 09/03/2037
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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Kohn Pedersen Fox Associates
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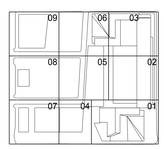
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

STATE OF NEW YORK — JOSEPH A. PERRELLA — 022 — LICENSED ARCHITECT

HYE-TA-S0-2000
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-2000
N-Scan Drawing Number
S-034.01

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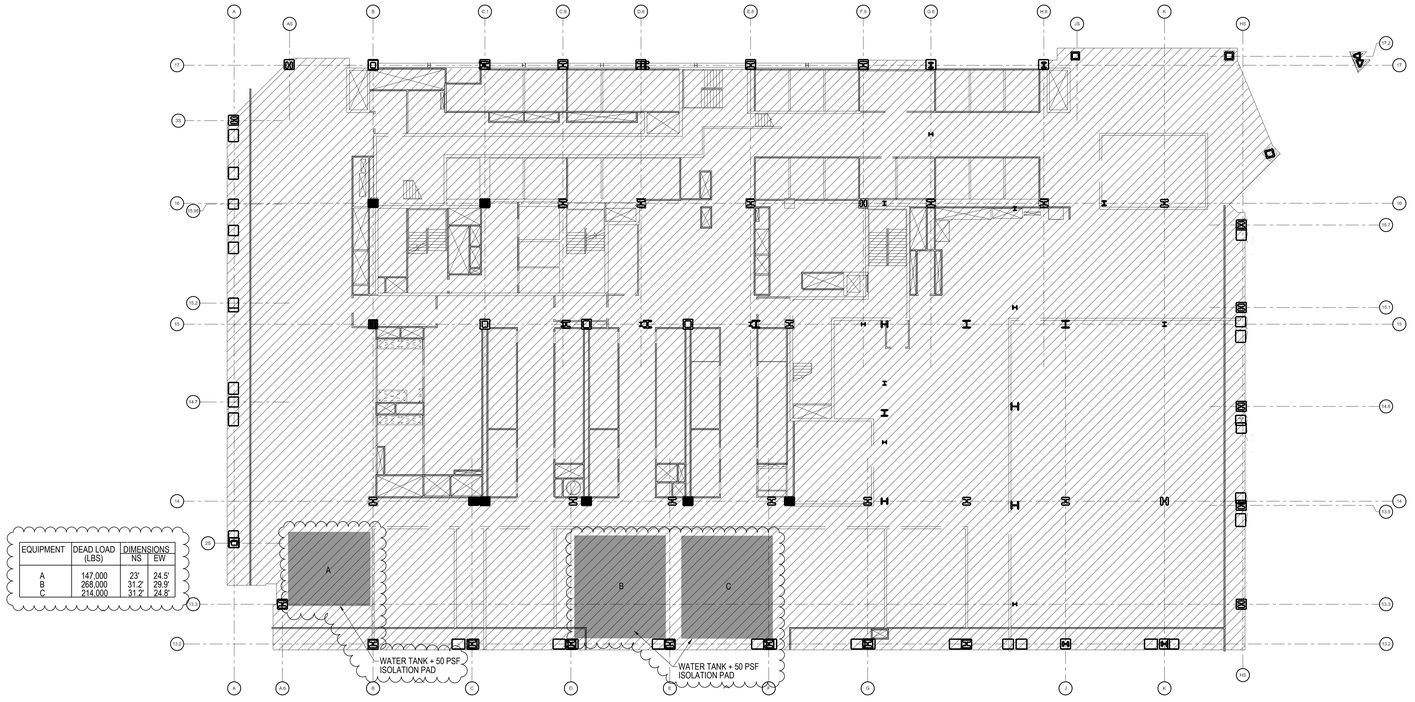
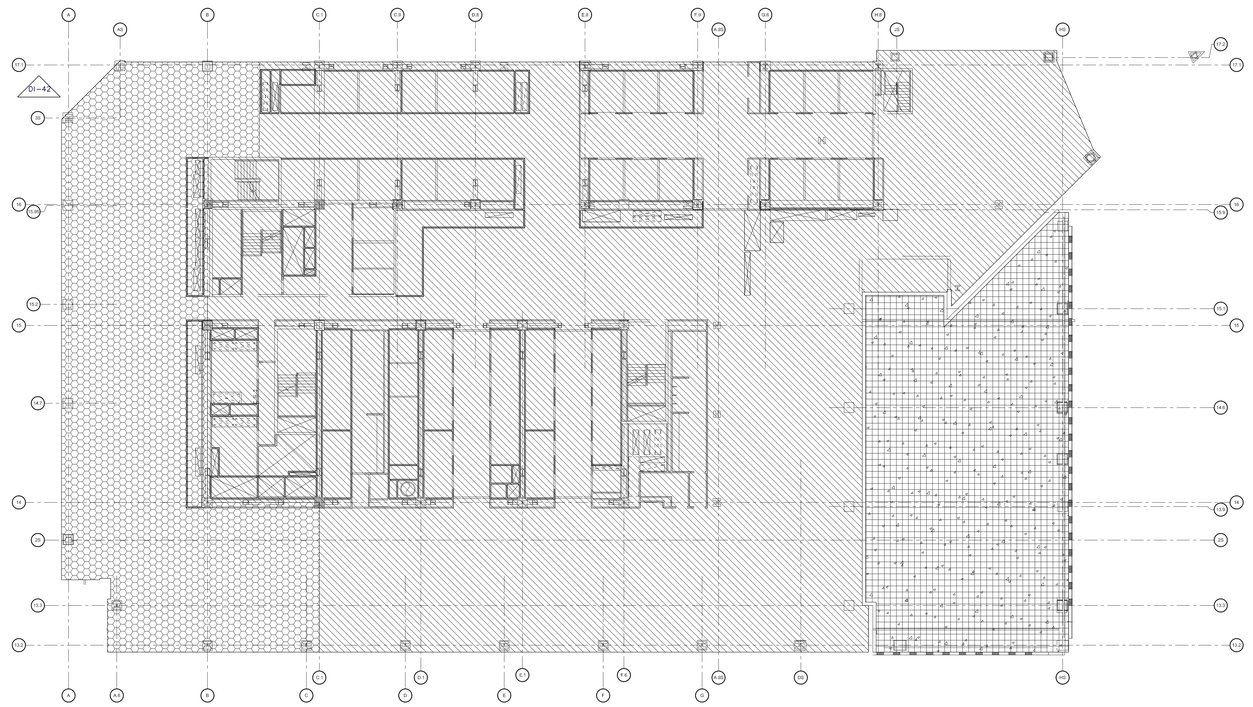


EQUIPMENT	DEAD LOAD (LBS)	DIMENSIONS NS	EW
A	147,000	23'	24.5'
B	268,000	31.2'	29.9'
C	214,000	31.2'	24.5'

LEVEL 21 LOADING DIAGRAM
NOT TO SCALE



NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR TOPPING SLAB LOCATIONS. TOPPING SLAB WITHIN CORE ARE ASSUMED TO BE COVERED BY FINISH ALLOWANCE. STRUCTURE IS NOT DESIGNED FOR FINISH ALLOWANCE PLUS TOPPING SLABS INDICATED ON PLANS.

LEVEL 22 LOADING DIAGRAM
NOT TO SCALE

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL=100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

OCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 20 KITCHEN
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 20 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 10 PSF
PAVERS (2"): 25 PSF
LL: 50 PSF (UNREDUCIBLE)

LOADING DIAGRAM LEGEND
NOT TO SCALE

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/03/2015
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
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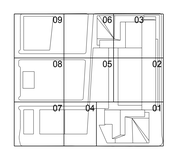
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S0-2122
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-2122
Revision Drawing Number
S-035.01

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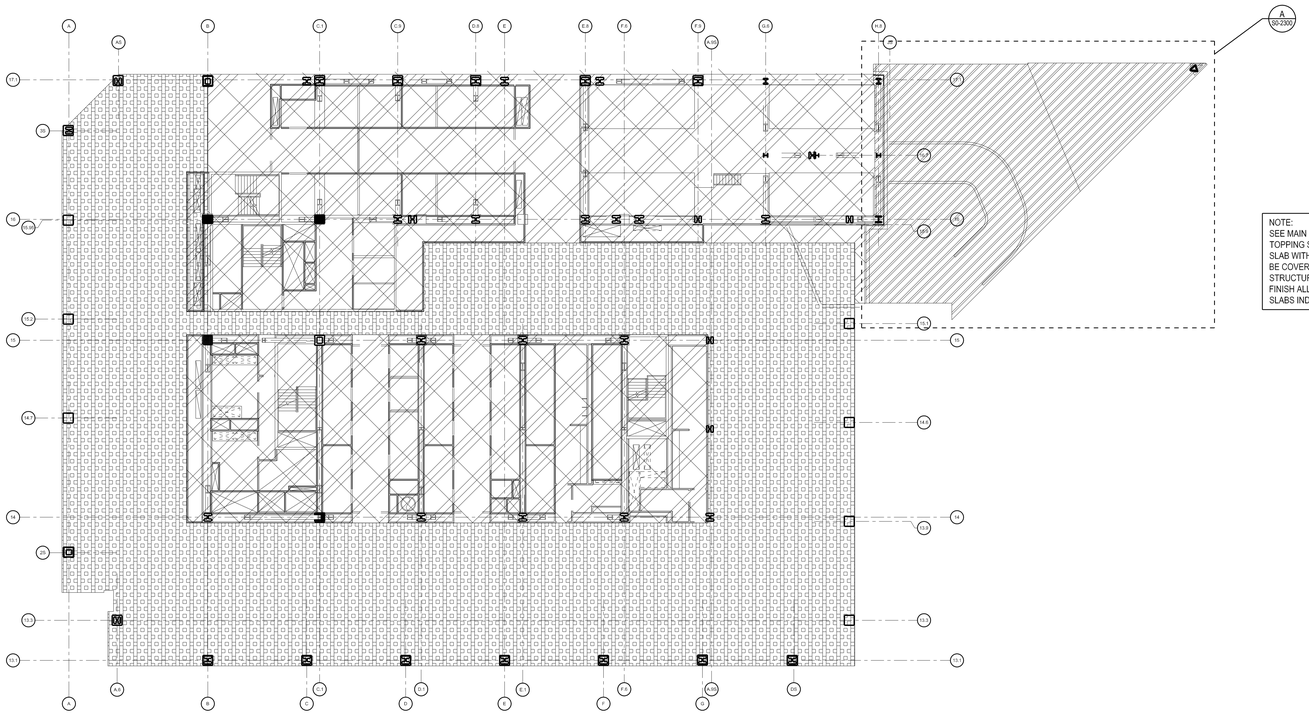
A1202.00 BLADG12312R2015 Job Number
B1800500483 Bldn Code



NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR TOPPING SLAB LOCATIONS. TOPPING SLAB WITHIN CORE ARE ASSUMED TO BE COVERED BY FINISH ALLOWANCE. STRUCTURE IS NOT DESIGNED FOR FINISH ALLOWANCE PLUS TOPPING SLABS INDICATED ON PLANS.

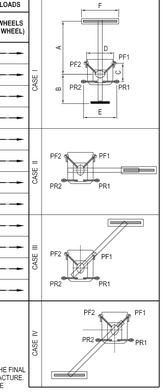
LEVEL 23 LOADING DIAGRAM
NOT TO SCALE

FACADE MAINTENANCE EQUIPMENT (EMU) REACTIONS (LBS.)

A mix = 141' - 0"
A mix = 28' - 0"
B = 14' - 0"
C = 15' - 0"

D = 15' - 0"
E = 15' - 0"
F I/O close = 15' - 0"
F I/O open = 23' - 0"

		LOADING CONDITIONS	VERTICAL LOADS: FRONT WHEELS PF1	VERTICAL LOADS: FRONT WHEELS PF2	VERTICAL LOADS: REAR WHEELS PR1	VERTICAL LOADS: REAR WHEELS PR2	HORIZONTAL LOADS: TWO FRONT WHEELS (EACH FRONT WHEEL)
CASE I	1	2 x SHOCK FULL LOAD REAR WIND 50MPH (80KMPH)	170,420	170,420	(55,730)	(55,730)	17,042
	2	4 x OVERTURNING MOMENT FULL LOAD HALF WIND	213,000	213,000	(93,970)	(93,970)	17,042
	3	FULL LOAD NO WIND NO SHOCK	148,020	148,020	(35,510)	(35,510)	17,042
CASE II	1	2 x SHOCK FULL LOAD REAR WIND 50MPH (80KMPH)	170,420	(55,730)	170,420	(55,730)	17,042
	2	4 x OVERTURNING MOMENT FULL LOAD HALF WIND	213,000	(93,970)	213,000	(93,970)	17,042
	3	FULL LOAD NO WIND NO SHOCK	148,910	(36,390)	148,910	(36,390)	17,042
CASE III	1	2 x SHOCK FULL LOAD REAR WIND 50MPH (80KMPH)	217,260	57,340	57,340	(102,570)	17,042
	2	4 x OVERTURNING MOMENT FULL LOAD HALF WIND	276,570	59,510	59,510	(157,550)	17,042
	3	FULL LOAD NO WIND NO SHOCK	187,280	56,260	56,260	(74,770)	17,042
CASE IV	1	2 x SHOCK FULL LOAD REAR WIND 50MPH (80KMPH)	(102,570)	57,340	57,340	217,260	17,042
	2	4 x OVERTURNING MOMENT FULL LOAD HALF WIND	(157,550)	59,510	59,510	276,570	17,042
	3	FULL LOAD NO WIND NO SHOCK	(74,770)	56,260	56,260	187,280	17,042



CARRIAGE WEIGHT	220670.00 LBS.
PLATFORM WEIGHT	1846.00 LBS.
PLATFORM CAPACITY	1000.00 LBS.
MATERIAL HANDLING WINCH	1500.00 LBS.
TOTAL	225016.00 LBS.

NOTES:
ALL LOADS ARE APPROXIMATE AND MAY INCREASE OR DECREASE DEPENDING ON THE EQUIPMENT MANUFACTURE. THE FINAL DESIGN OF THE SUPPORTING STRUCTURE TO BE PERFORMED WITH THE LOADS PROVIDED BY THE SELECTED MANUFACTURE. ALL SUPPORTS MUST BE DESIGNED FOR THE WORST CASE LOADING CONDITION FOR THE BOOM ROTATES 360 DEGREE

A FACADE MAINTENANCE EQUIPMENT
S0-2300

LOADING DIAGRAM LEGEND

- PD EMERGENCY GENERATOR FLOATING SLAB: 50 PSF HUNG MECHANICAL: 20 PSF ACOUSTIC CEILING: 10 PSF LL: 75 PSF (UNREDUCIBLE)
- MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 20 PSF ACOUSTIC CEILING: 10 PSF LL: 165 PSF (UNREDUCIBLE)
- TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 50 PSF LL: 300 PSF (UNREDUCIBLE)
- LIGHTLY LOADED MECHANICAL MEZZANINE HUNG MECHANICAL: 50 PSF LL: 75 PSF (UNREDUCIBLE)
- UNOCCUPIED ROOF OVER MECHANICAL ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG MECHANICAL: 50 PSF PAVERS (2"): 25 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- COOLING TOWER WELL ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG MECHANICAL: 50 PSF PAVERS (2"): 25 PSF LL: 150 PSF (UNREDUCIBLE)
- FLAT ROOF OVER COGEN ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG MECHANICAL: 50 PSF VEGETATION: 50 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- SLOPING ROOF OVER COGEN ROOFING & INSULATION: 15 PSF HUNG MECHANICAL: 50 PSF VEGETATION: 50 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE 4" BUILT UP SLAB: 50 PSF HUNG MECHANICAL: 50 PSF LL: 100 PSF (REDUCIBLE)
- TRADING FLOOR ABOVE MECHANICAL RAISED FLOOR: 18 PSF HUNG MECHANICAL: 50 PSF LL: 100 PSF (REDUCIBLE)
- **TRADING FLOOR**
  RAISED FLOOR: 18 PSF
  HUNG MECHANICAL=10PSF
  LL=100 PSF (REDUCIBLE)
- 14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE RAISED FLOOR: 18 PSF HUNG MECHANICAL: 10 PSF PARTITIONS: 12 PSF LL: 80 PSF (REDUCIBLE)
- 14TH FLOOR OFFICE ABOVE TRADING RAISED FLOOR: 18 PSF HUNG MECHANICAL: 10 PSF PARTITIONS: 12 PSF LL: 50 PSF (REDUCIBLE)
- UNLOADED MEZZANINE HUNG MECHANICAL: 50 PSF LL: 20 PSF (REDUCIBLE)
- MDF RAISED FLOOR: 12 PSF HUNG MECHANICAL: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- CER OVER OFFICE RAISED FLOOR: 12 PSF HUNG CEILING: 10 PSF LL: 200 PSF (UNREDUCIBLE)
- MDF ABOVE OFFICE RAISED FLOOR: 12 PSF HUNG CEILING: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- 61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL RAISED FLOOR: 12 PSF HUNG CEILING & MECHANICAL: 50 PSF LL: 100 PSF (UNREDUCIBLE)
- TYPICAL AMENITY WITH ISOLATION SLAB HUNG CEILING AND MECHANICAL: 10 PSF 4.5" ISOLATION SLAB: 60 PSF LL: 100 PSF (UNREDUCIBLE)
- MECHANICAL WITH FINISH ALLOWANCE TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 20 PSF ACOUSTIC CEILING: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- STAIR TRANSFER LL: 100 PSF (UNREDUCIBLE)
- OCCUPIED ROOF OVER MECHANICAL ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG MECHANICAL: 50 PSF PAVERS (2"): 25 PSF LL: 80 PSF (UNREDUCIBLE)
- REDUCED LOAD ON MECHANICAL FLOOR HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 20 PSF ACOUSTIC CEILING: 10 PSF LL: 30 PSF
- REDUCED MECHANICAL OVER RETAIL DL: 50 PSF LL: 30 PSF
- REDUCED MECHANICAL OVER MECHANICAL DL: 100 PSF LL: 30 PSF
- A — MECHANICAL EQUIPMENT DL: 50 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE) LL: 0 PSF
- ROOF OVER COGEN - SLOPING ON STYROFOAM ROOFING AND INSULATION: 15 PSF 4" NW CONCRETE (SLOPING ROOF): 50 PSF STYROFOAM: 5 PSF HUNG MECHANICAL: 50 PSF PAVERS (2"): 25 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- VIP AMENITY FLOOR FLOOR FINISH (4" ALLOWANCE): 50 PSF BUILT-UP: 75 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF (UNREDUCIBLE)
- KITCHEN AREA BUILT-UP: 75 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- LEVEL 20 KITCHEN FLOOR FINISH (4" ALLOWANCE): 50 PSF HUNG CEILING & MECHANICAL: 20 PSF LL: 150 PSF (UNREDUCIBLE)
- TYPICAL RETAIL TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF (REDUCIBLE)
- LOBBY RETAIL TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF (REDUCIBLE)
- TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF (UNREDUCIBLE)
- TYPICAL OFFICE RAISED FLOOR: 12 PSF HUNG CEILING & MECHANICAL: 10 PSF PARTITION LOADS: 12 PSF LL: 50 PSF (REDUCIBLE)
- TYPICAL OFFICE CORE RAISED FLOOR: 12 PSF HUNG CEILING & MECHANICAL: 10 PSF PARTITION LOADS: 12 PSF LL: 80 PSF (REDUCIBLE)
- TYPICAL AMENITY FLOOR FLOOR FINISH (4" ALLOWANCE): 50 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF (UNREDUCIBLE)
- MECHANICAL ABOVE RETAIL/OFFICE HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 20 PSF ACOUSTIC CEILING: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- TYPICAL MECHANICAL ABOVE MECHANICAL HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 50 PSF LL: 150 PSF (UNREDUCIBLE)
- TYPICAL OFFICE CORE ABOVE MECH. RAISED FLOOR: 12 PSF HUNG CEILING & MECHANICAL: 50 PSF PARTITION LOADS: 12 PSF LL: 80 PSF (REDUCIBLE)
- TYPICAL AMENITY ABOVE MECHANICAL FLOOR FINISH (4" ALLOWANCE): 50 PSF HUNG MECHANICAL: 50 PSF LL: 100 PSF (UNREDUCIBLE)
- STUDIO ABOVE STUDIO RIGGING: 50 PSF 6" FLOATING SLAB ON 4" AIR GAP: 75 PSF HUNG MECHANICAL: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- OFFICE FLOOR ABOVE MECHANICAL RAISED FLOORS: 12 PSF HUNG MECHANICAL: 50 PSF PARTITION LOADS: 12 PSF LL: 50 PSF (REDUCIBLE)
- KITCHEN FINISH FLOOR: 50 PSF HUNG MECHANICAL: 50 PSF LL: 150 PSF (UNREDUCIBLE)
- OFFICE ABOVE STUDIO HUNG RIGGING: 50 PSF HUNG CEILING: 10 PSF RAISED FLOOR: 12 PSF PARTITION LOADS: 12 PSF LL: 50 PSF (REDUCIBLE)
- 15TH/17TH FLOOR SIDE CORE RAISED FLOOR: 12 PSF PARTITIONS: 12 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 80 PSF (REDUCIBLE)
- STUDIO ABOVE OFFICE 6" FLOATING SLAB ON 2" AIR GAP: 75 PSF HUNG MECHANICAL: 50 PSF LL: 150 PSF (UNREDUCIBLE)
- TGR RAISED FLOOR: 12 PSF HUNG MECHANICAL: 10 PSF LL: 200 PSF (UNREDUCIBLE)
- STUDIO SUPPORT ABOVE OFFICE RAISED FLOORING: 12 PSF CEILINGS & MECHANICAL: 10 PSF LL: 150 PSF (UNREDUCIBLE)
- SCREENING ROOM TOPPING SLAB/SEATING BUILD-UP: 75 PSF HUNG CEILING/MECHANICAL: 10 PSF ISOLATION SLAB: 75 PSF LL: 100 PSF
- TERRACE/ROOF PAVER ALLOWANCE: 50 PSF ROOFING & INSULATION: 15 PSF ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF TAPERED FILL: 50 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)
- OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF HUNG CEIL/MECH/CLADDING: 15 PSF LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)
- TERRACE/ROOF OVER MECHANICAL PAVER ALLOWANCE: 50 PSF ROOFING & INSULATION: 15 PSF ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF TAPERED FILL: 50 PSF HUNG CEILING & MECHANICAL: 50 PSF LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)
- STORAGE TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF HUNG CEILING & MECHANICAL: 10 PSF LL: 125 PSF (UNREDUCIBLE)
- BROW ROOF ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG CEILING & MECHANICAL: 15 PSF PAVERS (2"): 25 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- OCCUPIED TERRACE ROOF - LEVEL 6 ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG CEILING & MECHANICAL: 15 PSF VEGETATION/PAVERS: 150 PSF LL: 100 PSF (UNREDUCIBLE)
- UNOCCUPIED TERRACE ROOF - LEVEL 6 ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG CEILING & MECHANICAL: 15 PSF VEGETATION/PAVERS: 150 PSF LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)
- GRATED MECHANICAL MEZZANINE MECHANICAL: 50 PSF LL: 150 PSF (UNREDUCIBLE)
- ELECTRICAL MEZZANINE HOUSEKEEPING PADS: 50 PSF HUNG MECHANICAL: 50 PSF LL: 300 PSF (UNREDUCIBLE)
- TYPICAL ROOF OVER RETAIL ROOFING & INSULATION: 15 PSF TAPERED FILL: 50 PSF HUNG MECHANICAL: 15 PSF PAVERS (2"): 25 PSF LL: 80 PSF (UNREDUCIBLE)

Damian Titus
APPROVED
Executive z of 1975
METHODOLOGY APPROVAL
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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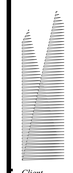

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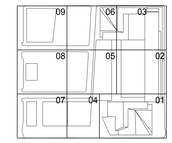
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
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HYE-TA-S0-2300
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-2300
B-Scan Drawing Number
S-036.01

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LEVEL 24 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 24 MECHANICAL EQUIPMENT WEIGHTS

NOTE:
SEE MAIN FLOOR FRAMING PLANS FOR LOCATIONS WHERE ALLOWANCE FOR 50 PSF OF TOPPING SLAB HAS BEEN INCLUDED IN ADDITION TO THE LOADS SHOWN ON THIS DIAGRAM TO ALIGN WITH RAISED FLOOR

LEVEL 25 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 25 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 26 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 26 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 31 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 31 MECHANICAL EQUIPMENT WEIGHTS

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (UNREDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF*
ADDITIONAL TENANT ROOFIN ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOW) ADDITIONAL TENANT ROOFIN^^ ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STUDIO
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS): 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10PSF
LL+100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

REDUCED MECHANICAL OVER RETAIL
DL: 60 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 60 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 300 PSF

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 7 SWITCHGEAR ROOM
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF + EQUIP OR 150 PSF

MECH EQUIPMENT ABOVE RETAIL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

Damian Titus
CHILLER PLANT
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 300 PSF

APPROVED
NEW YORK CITY BOARD OF STANDARDS AND APPEALS
AMENDED APPLICATION
Date: 09/09/2002
NYC Development Hub

LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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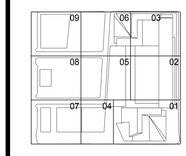
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



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Project No. N11328.00
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HYE-TA-S0-2431
Drawing Title

LOADING DIAGRAMS

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S-037.01

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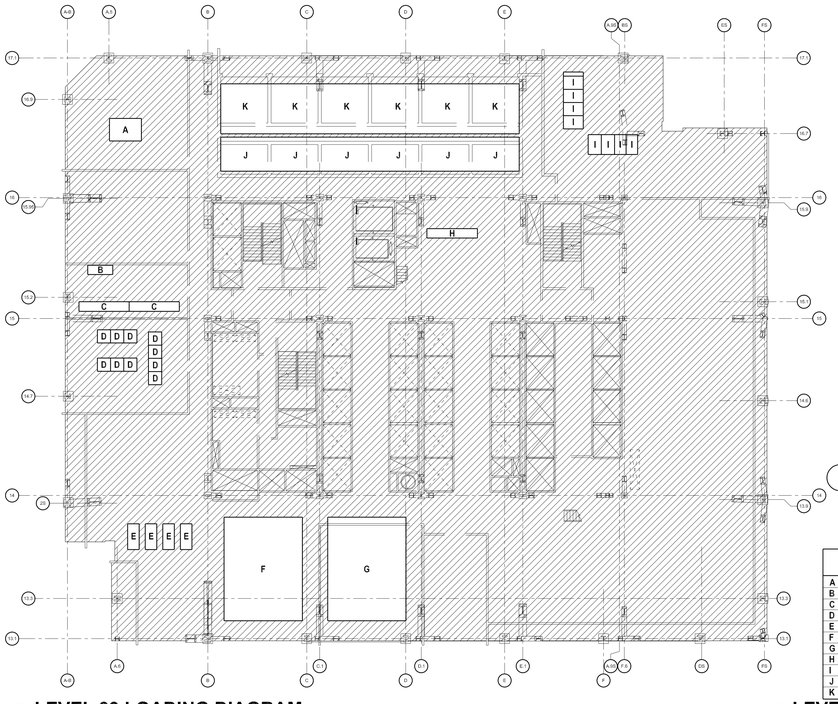
CAT:DE BLACK(37139525) Job Number
E50794779(5) Sheet Code



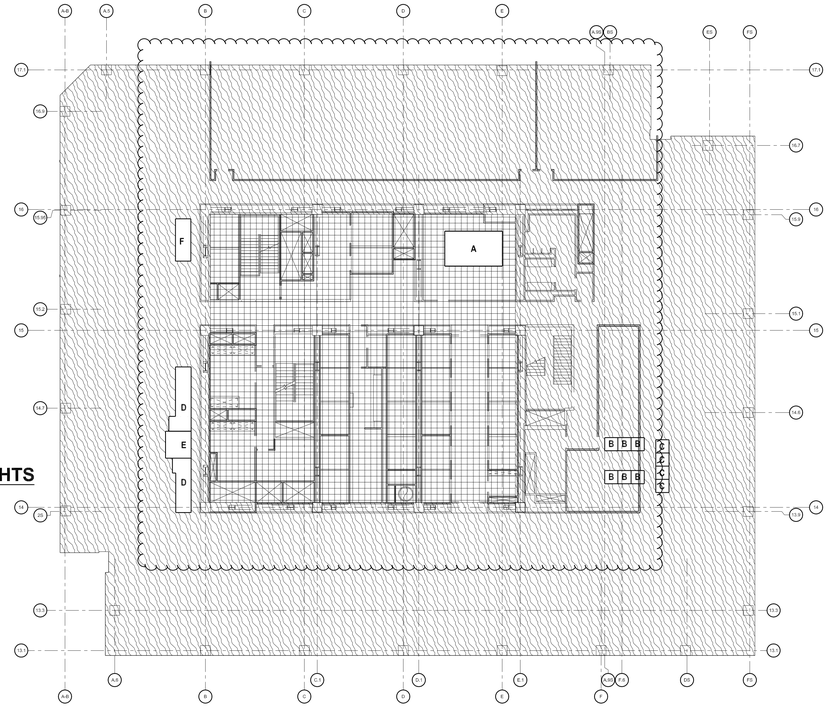
LEVEL 39 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	17.5'
B	EM - DS - B TYPE 1	7,500	4'	4'
C	EM - DS - B TYPE 2	10,000	4'	4'
D	COGEN INTERFACE TYPE 1	33,000	16.5'	4.67'
E	COGEN INTERFACE TYPE 2	19,000	8'	7.67'
F	COGEN INTERFACE TYPE 3	25,000	12.83'	4.67'

LEVEL 40 MECHANICAL EQUIPMENT WEIGHTS

	EQUIPMENT	DL PSF	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	ISOLATION XFMR		40,000	7'	10'
B	UPS MODULE		8,000	2.5'	7.5'
C	UPS BATTERY		2,500	2'	12.5'
D	EM - DS - A ROOM		7,500	4'	4'
E	PLUMBING HEATERS		15,000	7.5'	3.5'
F	DOMESTIC WATER STORE 1		343,000	31'	23.5'
G	DOMESTIC WATER STORE 2		330,000	31'	23.5'
H	PCHW PUMPS	350		3'	15.5'
I	COGEN INTERFACE		10,000	4'	6'
J	NETWORK PROTECTORS		3,000	10'	14'
K	TRANSFORMERS		40,000	14'	14'

LEVEL 39 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 40 LOADING DIAGRAM
NOT TO SCALE

LEVEL 45 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 45 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 55 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 55 MECHANICAL EQUIPMENT WEIGHTS

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH.
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE ABOVE STUDIO
RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWANCE: 75 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT-UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL=10PSF
LL+100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING @ SIDE CORE
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
PARTITIONS: 12 PSF
LL: 80 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

OFFICE CORE ABOVE MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 50 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 75 PSF (UNREDUCIBLE)

CHILLER PLANT
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 300 PSF

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 7 SWITCHGEAR ROOM
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF + EQUIP OR 150 PSF

MECH EQUIPMENT ABOVE RETAIL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 225 PSF

LOADING DIAGRAM LEGEND
NOT TO SCALE

LEVEL 45 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 45 MECHANICAL EQUIPMENT WEIGHTS

LEVEL 55 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	PLENUM	20,000	10.5'	19'

LEVEL 55 MECHANICAL EQUIPMENT WEIGHTS

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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Retail Interior Design & Planning
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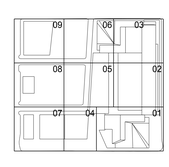
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
APPROVED
Under Directive 2 of 1975
Architect/Engineer/Applicant
Date: 05/03/2017
NYC Development Hub

HYE-TA-S0-3955
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-3955
N-Num Drawing Number
S-038.01

SHEET 21 OF 443

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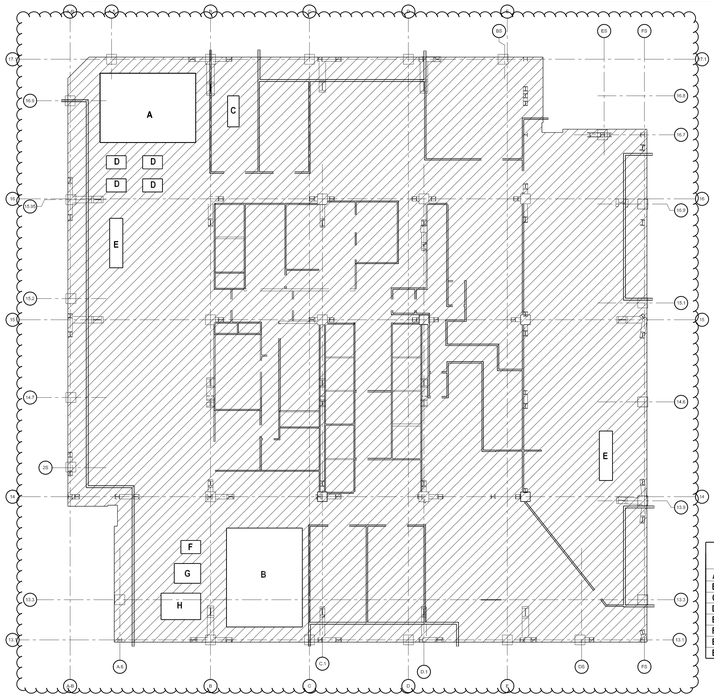
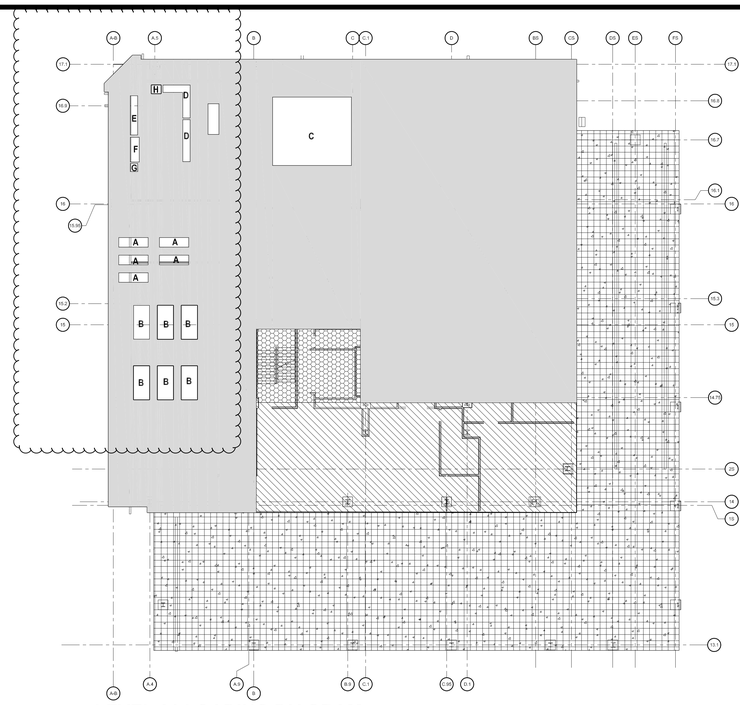
CITY OF NEW YORK 121395251 Job Number
B1995/1995/95 Work Order



LEVEL 60 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS	
			N-S	W-E
A	COMPARTMENT FIRE TANKS	300,000	21'	29'
B	STORM WATER TANK	500,000	30'	23'
C	FIRE PUMP	5,000		
D	HOT WATER HEATERS	12,500		
E	ER-DS	65,000		
F	WATER TREAT.	5,500		
E	STORM WATER FILTER	2,000		
E		9,000		

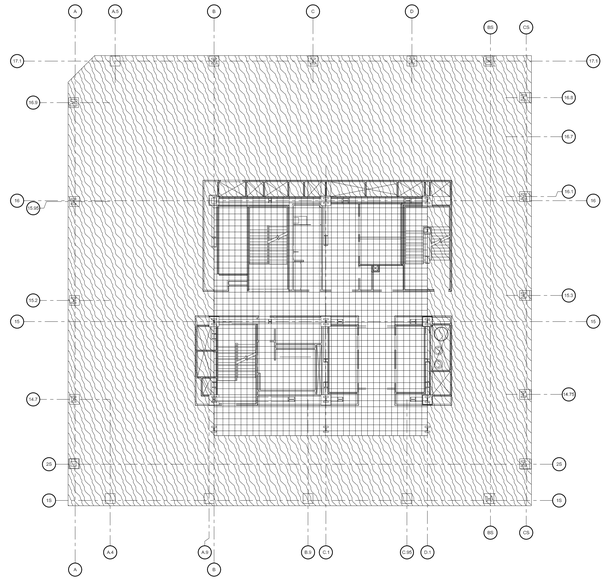
LEVEL 60 MECHANICAL EQUIPMENT WEIGHTS



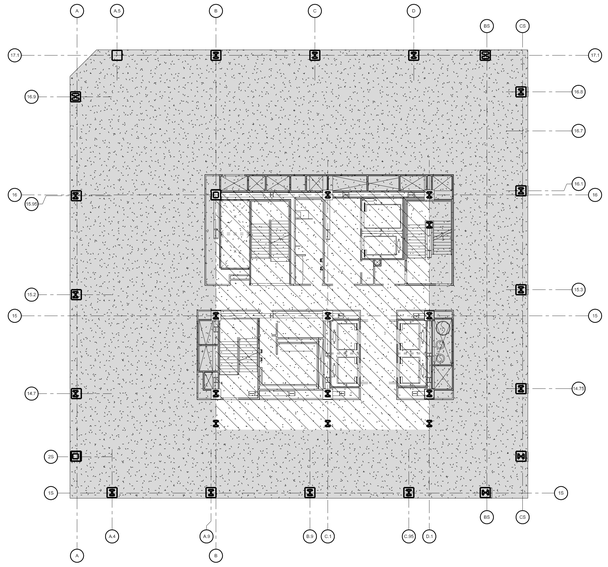
LEVEL 61 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	DL PSF	WEIGHT (lbs)	DIMENSIONS	
				N-S	W-E
A	WATER INFILTRATION	300			
B	BOILERS		14,000	10'	4'
C	FIRE TANK		300,000	20'	24'
D	BATTERY		14,000	4'	8'
E	UPS (B)		6,000		
F	UPS MODULE		8,000		
G	SP. BATTERY		2,500		
H	BATT. DISC		2,500		

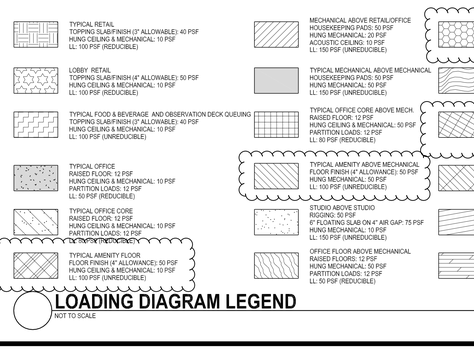
LEVEL 61 MECHANICAL EQUIPMENT WEIGHTS



LEVEL 62 LOADING DIAGRAM
NOT TO SCALE



LEVEL 63 LOADING DIAGRAM
NOT TO SCALE



LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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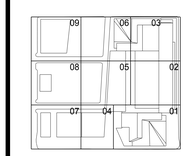
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S0-6063
Drawing Title

LOADING DIAGRAMS

Damian Titus
APPROVED
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Drawing Number
S0-6063
R-Scan Drawing Number
S-039.01

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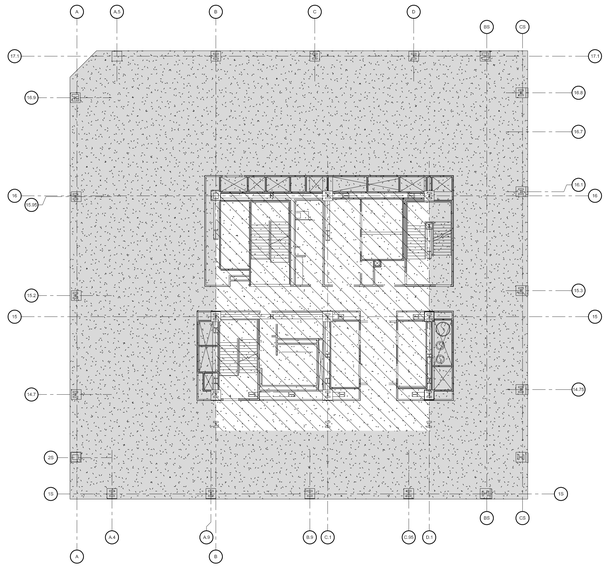
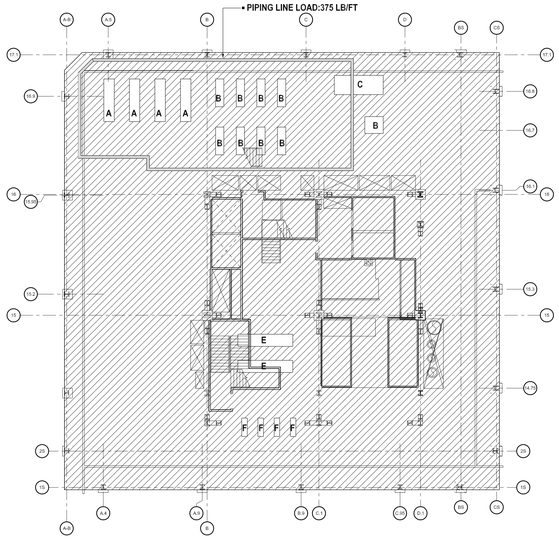


LEVEL 64 LOADING DIAGRAM
NOT TO SCALE



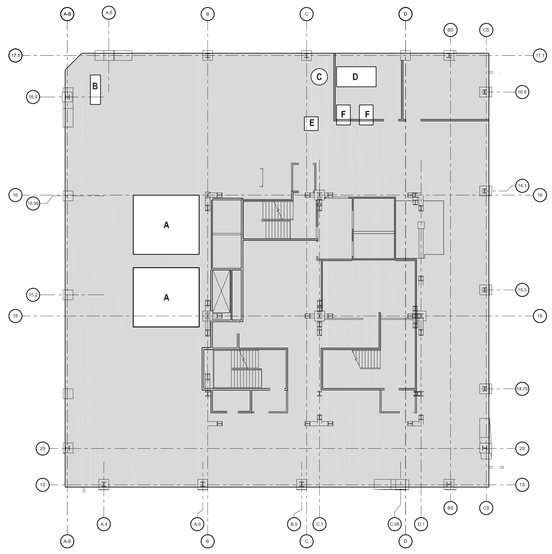
LEVEL 65 LOADING DIAGRAM
NOT TO SCALE

UNLESS OTHERWISE NOTED ON PLAN:

- **FLOOR MEP. LOAD = 150 PSF.**
  ALL EQUIPMENT IS MOUNTED ON 4" HIGH CONCRETE PADS.
  FLOOR EQUIPMENT WEIGHT DOES NOT INCLUDE WEIGHT OF PAD.
- **FLOOR HANGING LOAD**
  (FOR MEP. SERVICES AT LEVEL 65 BELOW) = 50 PSF.
- **FLOOR HANGING LOAD**
  (FOR MEP SERVICES AT LEVEL 67 ABOVE) = 50 PSF.
- **ADD WEIGHT OF 4" HIGH CONCRETE EQUIPMENT PADS**
  TO ALL SPECIFIC EQUIPMENT WEIGHTS NOTED ON PLAN

LEVEL 65 MECHANICAL EQUIPMENT WEIGHTS

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	HEAT EXCHANGERS	25,000		
B	SECONDARY WATER PUMPS	300		
C	CW SIDESTREAM FILTER	7000		
D	CW BACKWASH TANK	7,500		
E	FUTURE TENANT MODULAR CHILLERS	6,000		
F	FUTURE TENANT PUMP STN & EXPANSION TANK	300		



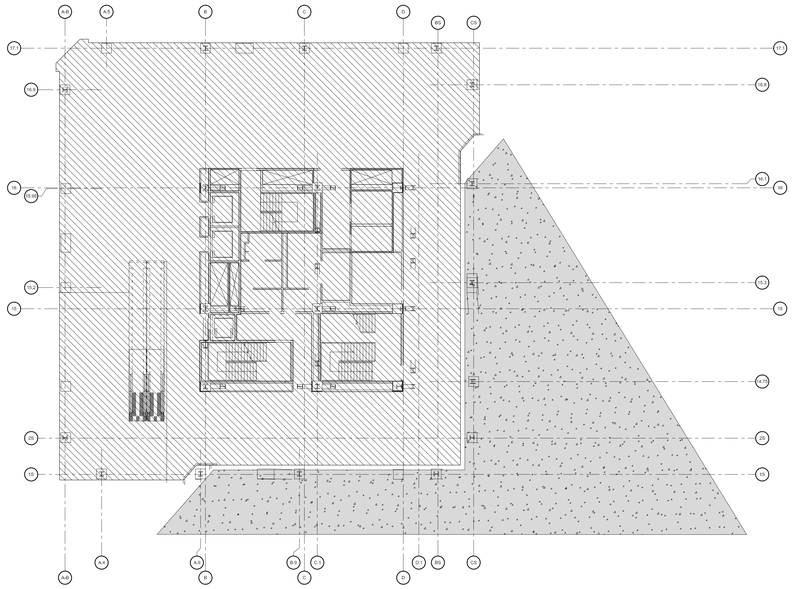
LEVEL 66 LOADING DIAGRAM
NOT TO SCALE

UNLESS OTHERWISE NOTED ON PLAN:

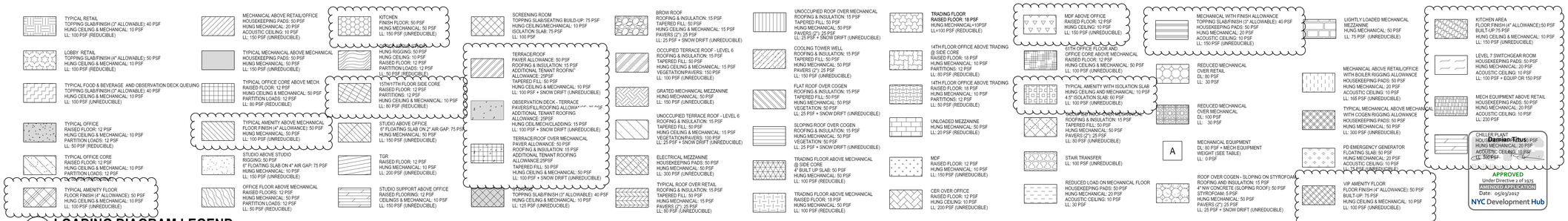
- **FLOOR MEP. LOAD = 150 PSF.**
  ALL EQUIPMENT IS MOUNTED ON 4" HIGH CONCRETE PADS.
  FLOOR EQUIPMENT WEIGHT DOES NOT INCLUDE WEIGHT OF PAD.
- **FLOOR HANGING LOAD**
  (FOR MEP. SERVICES AT LEVEL 65 BELOW) = 50 PSF.
- **FLOOR HANGING LOAD**
  (FOR MEP SERVICES AT LEVEL 67 ABOVE) = 50 PSF.
- **ADD WEIGHT OF 4" HIGH CONCRETE EQUIPMENT PADS**
  TO ALL SPECIFIC EQUIPMENT WEIGHTS NOTED ON PLAN

LEVEL 66 MECHANICAL EQUIPMENT WEIGHTS

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS N-S	DIMENSIONS W-E
A	FIRE TANK	550,000	18'	18'
B	JP	5,000		
C	PLUMBING	5,000		
D	PLUMBING WATER BOOSTER PUMPS	9,000		
E	SPRINKLER DRY PIPPE VALVE ASSEMBLY	500		
F	PLUMBING WATER HEATERS	500		



LEVEL 67 LOADING DIAGRAM
NOT TO SCALE



LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
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TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S0-6467
Drawing Title

LOADING DIAGRAMS

Drawing Number
S0-6467
R-Scan Drawing Number
S-040.01

SHEET 23 OF 443

Damian Titus
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

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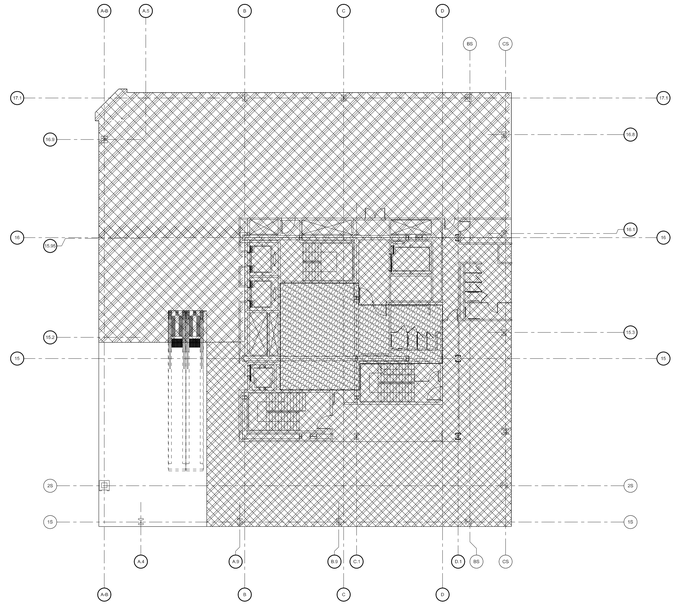
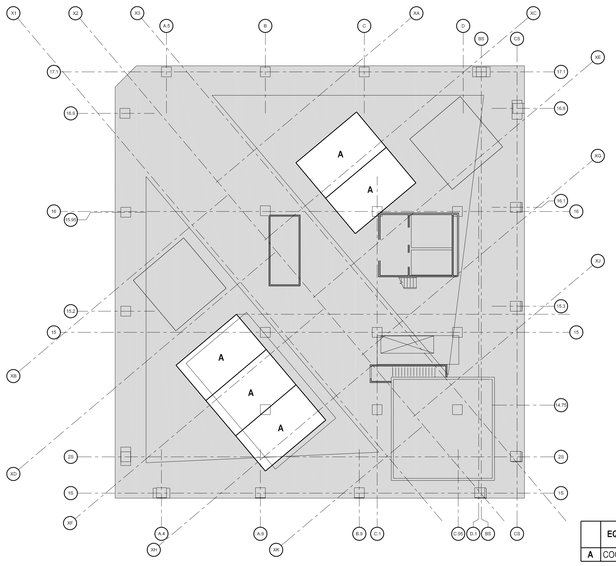
CAT.CAT. #:4000731395251 Job Number Work Order



LEVEL 68 LOADING DIAGRAM
NOT TO SCALE



LEVEL 69 LOADING DIAGRAM
NOT TO SCALE

	EQUIPMENT	WEIGHT (lbs)	DIMENSIONS	
			N-S	W-E
A	COOLING TOWER	55,000	22'	12'

LEVEL 69 MECHANICAL EQUIPMENT WEIGHTS

TYPICAL RETAIL
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

LOBBY/ RETAIL
TOPPING SLAB/FINISH (4" ALLOWABLE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (REDUCIBLE)

TYPICAL FOOD & BEVERAGE AND OBSERVATION DECK QUEUING
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL OFFICE CORE
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

TYPICAL AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TYPICAL OFFICE CORE ABOVE MECH
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

TYPICAL AMENITY ABOVE MECHANICAL
FLOOR FINISH (4" ALLOWANCE): 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

STUDIO ABOVE STUDIO
RIGGING: 50 PSF
6" FLOATING SLAB ON 4" AIR GAP: 75 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

OFFICE FLOOR ABOVE MECHANICAL
RAISED FLOORS: 12 PSF
HUNG MECHANICAL: 50 PSF
PARTITION LOADS: 12 PSF
LL: 50 PSF (REDUCIBLE)

KITCHEN
FINISH FLOOR: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

HUNG RIGGING: 50 PSF
HUNG CEILING: 10 PSF
RAISED FLOOR: 12 PSF
PARTITION LOADS: 12 PSF
LL: 80 PSF (REDUCIBLE)

15TH/17TH FLOOR SIDE CORE
RAISED FLOOR: 12 PSF
PARTITIONS: 12 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 80 PSF (REDUCIBLE)

STUDIO ABOVE OFFICE
6" FLOATING SLAB ON 2" AIR GAP: 75 PSF
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

TGR
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

STUDIO SUPPORT ABOVE OFFICE
RAISED FLOORING: 12 PSF
CEILINGS & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

SCREENING ROOM
TOPPING SLAB/SEATING BUILD-UP: 75 PSF
HUNG CEILING/MECHANICAL: 10 PSF
ISOLATION SLAB: 75 PSF
LL: 100 PSF

TERRACE/ROOF
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

OBSERVATION DECK - TERRACE PAVERS/FILL/ROOFING ALLOWA IF ADDITIONAL TENANT ROOFING ALLOWANCE: 25PSF
HUNG CEIL/MECH/CLADDING: 15 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

TERRACE/ROOF OVER MECHANICAL
PAVER ALLOWANCE: 50 PSF
ROOFING & INSULATION: 15 PSF
ADDITIONAL TENANT ROOFING ALLOWANCE:25PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF + SNOW DRIFT (UNREDUCIBLE)

STORAGE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 125 PSF (UNREDUCIBLE)

BROW ROOF
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

OCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 150 PSF
LL: 100 PSF (UNREDUCIBLE)

GRATED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 150 PSF (UNREDUCIBLE)

UNOCCUPIED TERRACE ROOF - LEVEL 6
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG CEILING & MECHANICAL: 15 PSF
VEGETATION/PAVERS: 100 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

ELECTRICAL MEZZANINE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

TYPICAL ROOF OVER RETAIL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 15 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

UNOCCUPIED ROOF OVER MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

COOLING TOWER WELL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 150 PSF (UNREDUCIBLE)

FLAT ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

SLOPING ROOF OVER COGEN
ROOFING & INSULATION: 15 PSF
HUNG MECHANICAL: 50 PSF
VEGETATION: 50 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL @ SIDE CORE
4" BUILT UP SLAB: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR ABOVE MECHANICAL
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 50 PSF
LL: 100 PSF (REDUCIBLE)

TRADING FLOOR
RAISED FLOOR: 18 PSF
HUNG MECHANICAL+10PSF
LL+100 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

14TH FLOOR OFFICE ABOVE TRADING
RAISED FLOOR: 18 PSF
HUNG MECHANICAL: 10 PSF
PARTITIONS: 12 PSF
LL: 50 PSF (REDUCIBLE)

UNLOADED MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 20 PSF (REDUCIBLE)

MDF
RAISED FLOOR: 12 PSF
HUNG MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

CER OVER OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 200 PSF (UNREDUCIBLE)

MDF ABOVE OFFICE
RAISED FLOOR: 12 PSF
HUNG CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

61TH OFFICE FLOOR AND OFFICE CORE ABOVE MECHANICAL
RAISED FLOOR: 12 PSF
HUNG CEILING & MECHANICAL: 50 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL AMENITY WITH ISOLATION SLAB
HUNG CEILING AND MECHANICAL: 10 PSF
4.5" ISOLATION SLAB: 60 PSF
LL: 100 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL
ROOFING & INSULATION: 15 PSF
TAPERED FILL: 50 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 80 PSF (UNREDUCIBLE)

STAIR TRANSFER
LL: 100 PSF (UNREDUCIBLE)

REDUCED LOAD ON MECHANICAL FLOOR
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 30 PSF

MECHANICAL WITH FINISH ALLOWANCE
TOPPING SLAB/FINISH (3" ALLOWABLE): 40 PSF
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

REDUCED MECHANICAL OVER RETAIL
DL: 80 PSF
LL: 30 PSF

REDUCED MECHANICAL OVER MECHANICAL
DL: 100 PSF
LL: 30 PSF

A
MECHANICAL EQUIPMENT
DL: 80 PSF + MECH EQUIPMENT WEIGHT (SEE TABLE)
LL: 0 PSF

ROOF OVER COGEN - SLOPING ON STYROFOAM
ROOFING AND INSULATION: 15 PSF
4" NW CONCRETE (SLOPING ROOF): 50 PSF
STYROFOAM: 5 PSF
HUNG MECHANICAL: 50 PSF
PAVERS (2"): 25 PSF
LL: 25 PSF + SNOW DRIFT (UNREDUCIBLE)

LIGHTLY LOADED MECHANICAL MEZZANINE
HUNG MECHANICAL: 50 PSF
LL: 75 PSF (UNREDUCIBLE)

MECHANICAL ABOVE RETAIL/OFFICE WITH BOILER RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 165 PSF (UNREDUCIBLE)

TYPICAL MECHANICAL ABOVE MECHANICAL WITH COGEN RIGGING ALLOWANCE
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 50 PSF
LL: 300 PSF (UNREDUCIBLE)

PD EMERGENCY GENERATOR
FLOATING SLAB: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

VIP AMENITY FLOOR
FLOOR FINISH (4" ALLOWANCE): 50 PSF
BUILT-UP: 75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 100 PSF (UNREDUCIBLE)

KITCHEN AREA
FLOOR FINISH (4" ALLOWANCE):50 PSF
BUILT-UP:75 PSF
HUNG CEILING & MECHANICAL: 10 PSF
LL: 150 PSF (UNREDUCIBLE)

LEVEL 7 SWITCHGEAR ROOM
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 100 PSF + EQUIP OR 150 PSF

MECH EQUIPMENT ABOVE RETAIL
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 230 PSF

CHILLER PLANT
HOUSEKEEPING PADS: 50 PSF
HUNG MECHANICAL: 20 PSF
ACOUSTIC CEILING: 10 PSF
LL: 300 PSF

LOADING DIAGRAM LEGEND
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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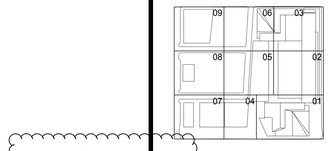
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number HYE-TA-S0-6869
Drawing Title LOADING DIAGRAMS

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Drawing Number
S0-6869
Keen Drawing Number
S-041.01

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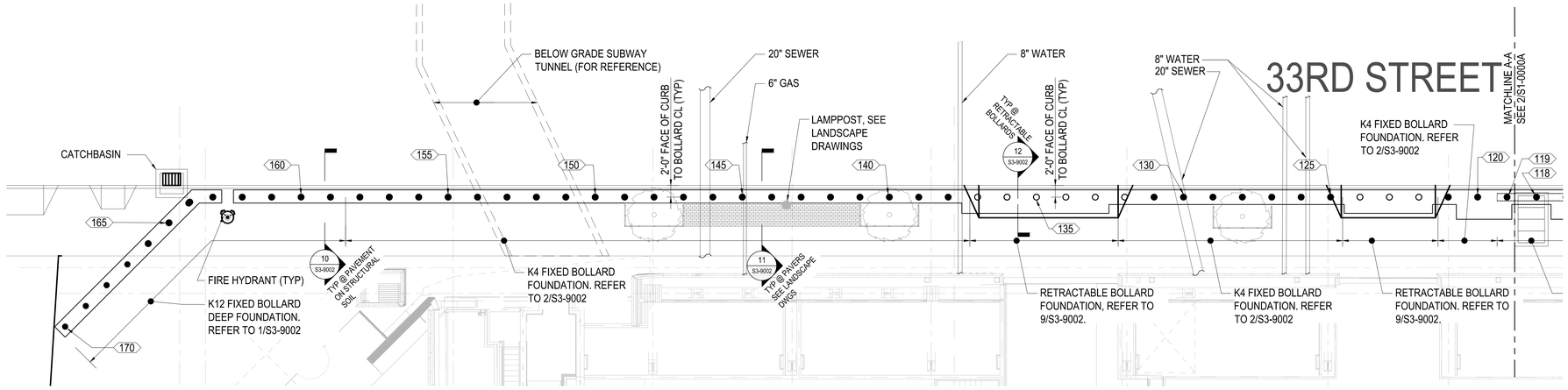
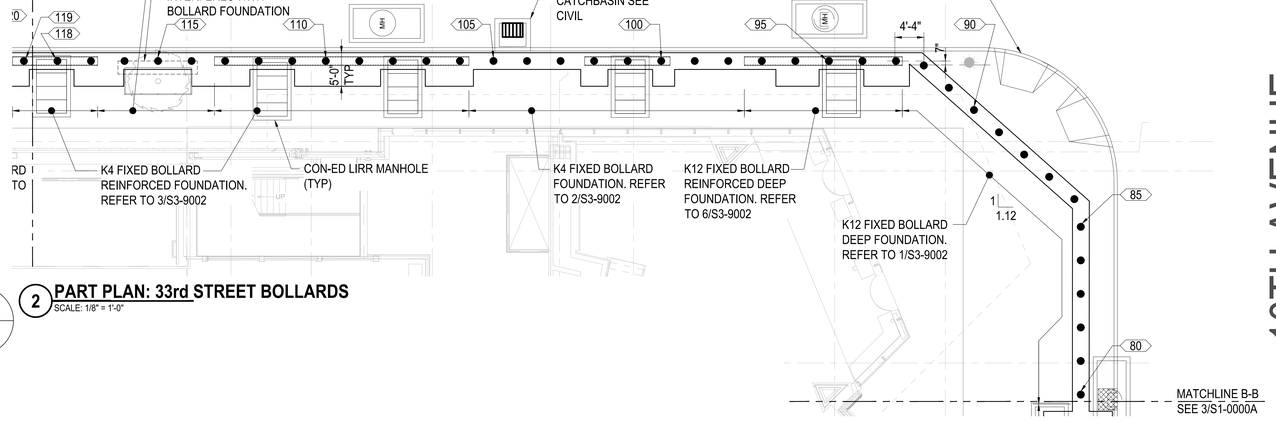
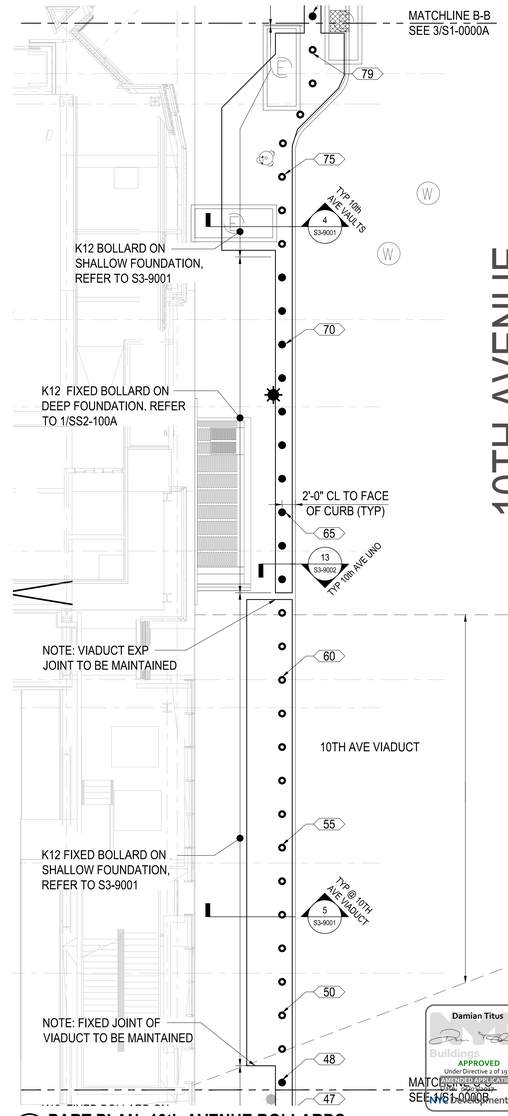


1 **PART PLAN: 33rd STREET BOLLARDS**
SCALE: 1/8" = 1'-0"



2 **PART PLAN: 33rd STREET BOLLARDS**
SCALE: 1/8" = 1'-0"



3 **PART PLAN: 10th AVENUE BOLLARDS**
SCALE: 1/8" = 1'-0"

SHEET NOTES AND LEGEND

SHEET NOTES:

1. BOLLARD CENTER TO CENTER SPACING TO BE 5'-0" UNO
2. ELEVATION OF TOP OF UTILITY LINES IS MINIMUM -4'-0" FROM FINISHED SIDEWALK UNO
3. BOLLARD CENTERLINE IS LOCATED 2' - 0" FROM FACE OF CURB
4. ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED IN FIELD.
5. SEE NOTES AND DETAILS ON SHEETS S3-9001 AND S3-9002 FOR FURTHER INFORMATION.
6. (###) DESIGNATES BOLLARD IDENTIFICATION NUMBER. BOLLARDS INCLUDED IN THE TOWER A SCOPE INCLUDE BOLLARD NUMBER 48 THROUGH 170.
7. SEE BUILDERS PAVEMENT PLAN DRAWINGS FOR BOLLARD LOCATIONS.

LEGEND
● - FIXED BOLLARD ON DEEP FOUNDATION
⊙ - FIXED BOLLARD ON SHALLOW FOUNDATION
○ - RETRACTABLE BOLLARD

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ADMINISTRATION
DENIS J. SHEIL
Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan

Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number
HYE -TA -S1-0000A
Drawing Title

BOLLARD FOUNDATION PLAN

Drawing Number
S1-0000A
B-Scan Drawing Number
S-112.00

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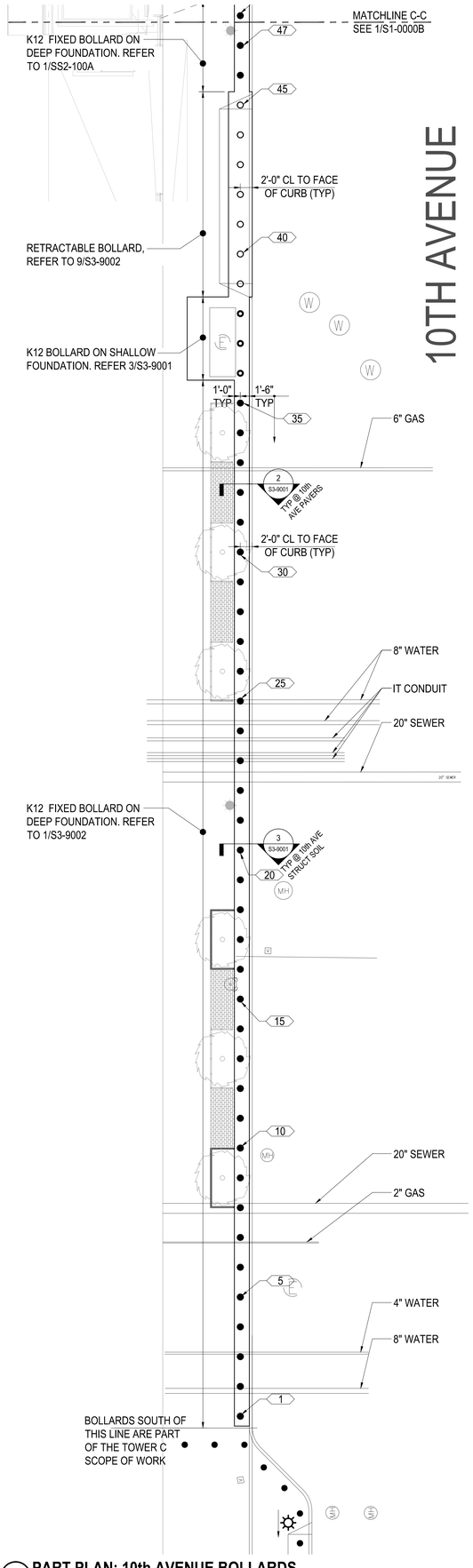

1 **PART PLAN: 10th AVENUE BOLLARDS**
SCALE: 1/8" = 1'-0"

SHEET NOTES AND LEGEND

SHEET NOTES:

1. BOLLARD CENTER TO CENTER SPACING TO BE 5'-0" UNO
2. ELEVATION OF TOP OF UTILITY LINES IS MINIMUM -4'-0" FROM FINISHED SIDEWALK UNO
3. BOLLARD CENTERLINE IS LOCATED 2' - 0" FROM FACE OF CURB
4. ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED IN FIELD.
5. SEE NOTES AND DETAILS ON SHEETS S3-9001 AND S3-9002 FOR FURTHER INFORMATION.
6. ### DESIGNATES BOLLARD IDENTIFICATION NUMBER. BOLLARDS INCLUDED IN THE TOWER A SCOPE INCLUDE BOLLARD NUMBER 48 THROUGH 170.
7. SEE BUILDERS PAVEMENT PLAN DRAWINGS FOR BOLLARD LOCATIONS.

LEGEND
● - FIXED BOLLARD ON DEEP FOUNDATION
○ - FIXED BOLLARD ON SHALLOW FOUNDATION
○ - RETRACTABLE BOLLARD

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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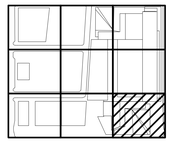
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By: Author
Sheet Number
HYE -TA -S1-0000B
Drawing Title
BOLLARD FOUNDATION PLAN
Drawing Number
S1-0000B
B-Scan Drawing Number
S-113.00

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Filename: P:\PA1\Projects\L16030.00\Drawings\Struct\Current\HYE-TA & TP_rev1.dwg Plotted by: Wells, Courtney Plot Time: 10/24/2016 1:00 PM

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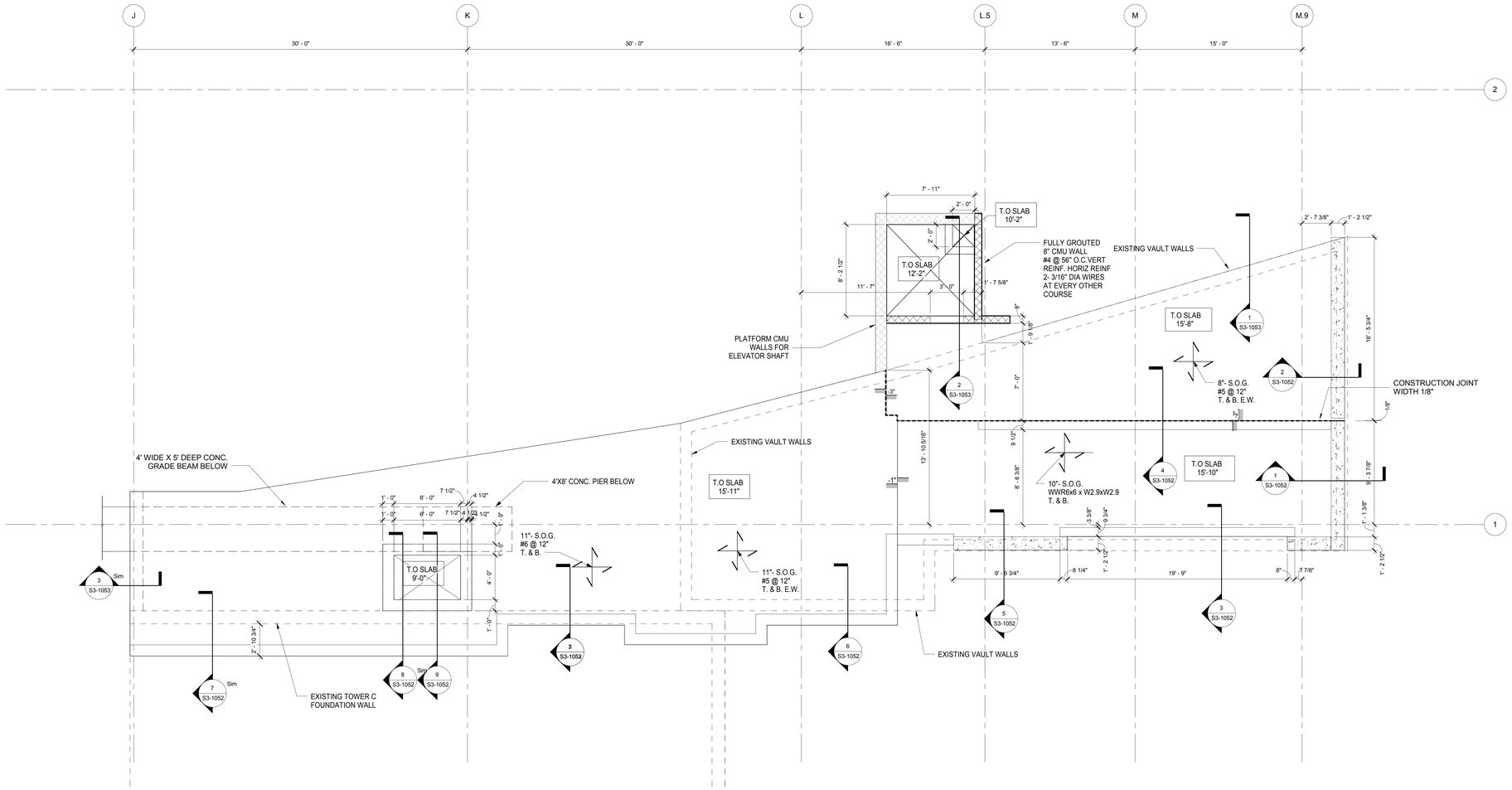
B100N0032271 Scan Code



1 PART PLAN AT SOUTH-EAST ENTRANCE
SCALE: 1/4" = 1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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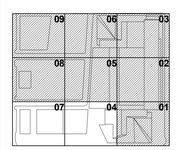
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By: Author
Sheet Number

HYE -TA -S1-0001

Drawing Title

FLOOR PLAN 00 - SECTOR 01

Drawing Number
S1-0001
B-Scan Drawing Number
S-114.00

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2017
NYC Development Hub

0 4' 8' 16'

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S1-0001
10/12/2016 2:51:19 PM
FLOOR PLAN 00 - SECTOR 01
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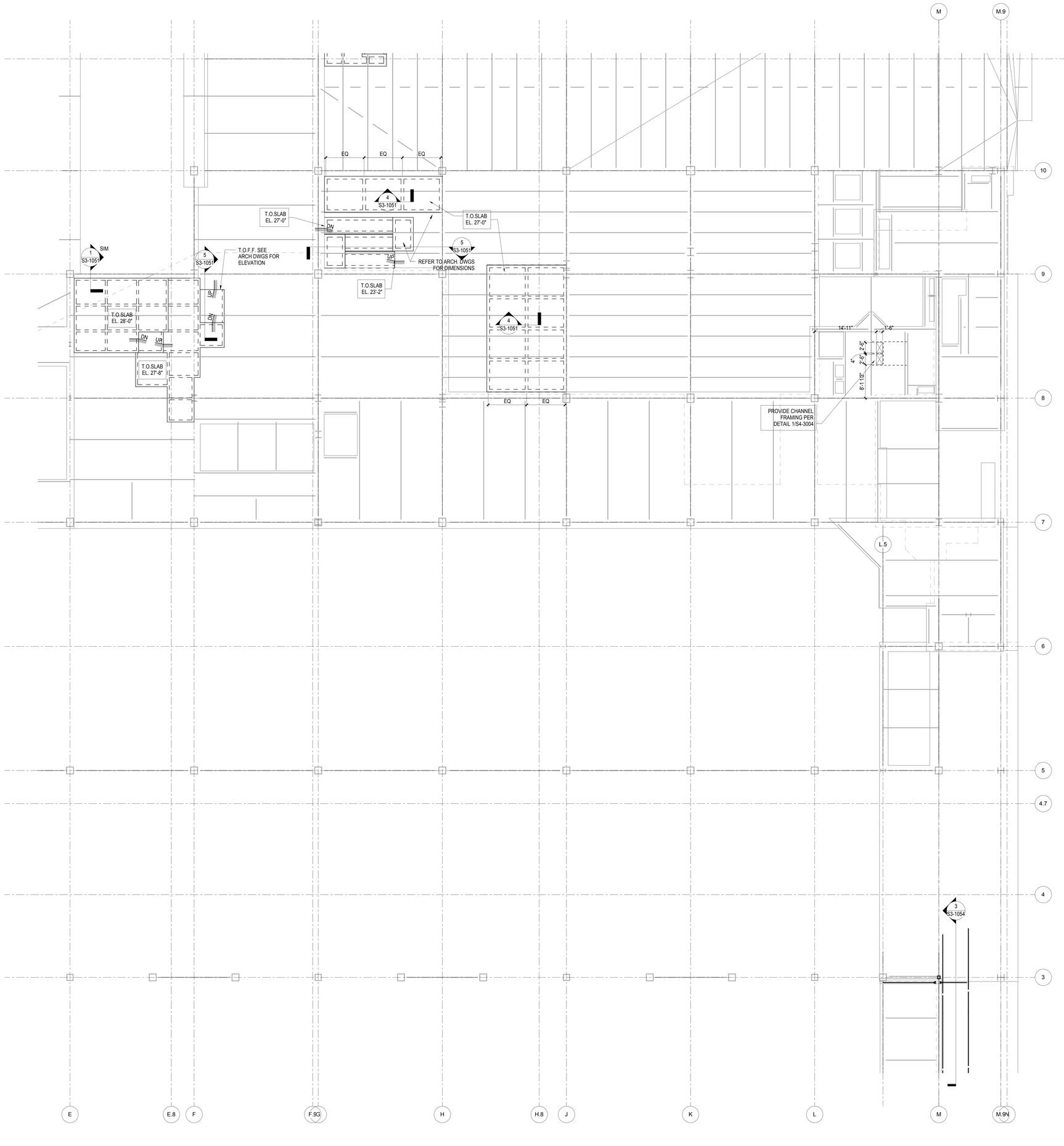
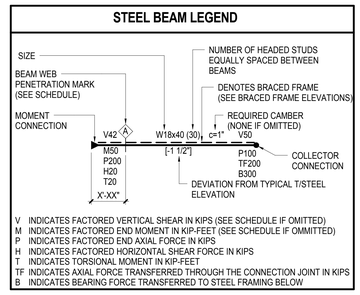


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
B INDICATES BEARING FORCE TRANSFERRED TO STEEL FRAMING BELOW

STEEL BEAM LEGEND
12" = 1'-0"

SHEET NOTES:

1. REFER TO PLATFORM DRAWINGS FOR ALL EXISTING STRUCTURAL INFORMATION.

TYPICAL SHEET NOTES
12" = 1'-0"

2. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES LATERAL BRACING.
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
- INDICATES KICKER AT SPANDREL BEAM CONNECTION
- INDICATES BEAM REINFORCEMENT
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKNENED SLAB
- INDICATES TOPPING SLAB T.O.C. EL. 40'-2. SEE TYPICAL DETAILS 1&2 ON S3-1050
- INDICATES BEAM TO BE REMOVED
- INDICATES BEAM TO BE SHORED
- INDICATES CAST SLAB
- STYR — INDICATES SLAB ON STYROFOAM. SEE TYPICAL DETAIL

3. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
PA/PB	INDICATES POST ABOVE / BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
MF	INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDIACTES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
TC	INDICATES TORSIONAL CONNECTION FOR STAIR
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
BF	INDICATES BRACED FRAME. SEE ELEVATIONS
FCA	INDICATES FUTURE COLUMN ABOVE
FHA	INDICATES FUTURE HANGER ABOVE

TYPICAL SHEET NOTES LEGEND
12" = 1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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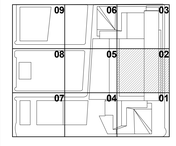
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No.: N11328.00
Drawn By: Author
Sheet Number

HYE-TA-S1-0002

Drawing Title

PLATFORM LOWER LEVEL PLAN SECTOR 02

Drawing Number
S1-0002
Relocate Drawing Number
S-115.00

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

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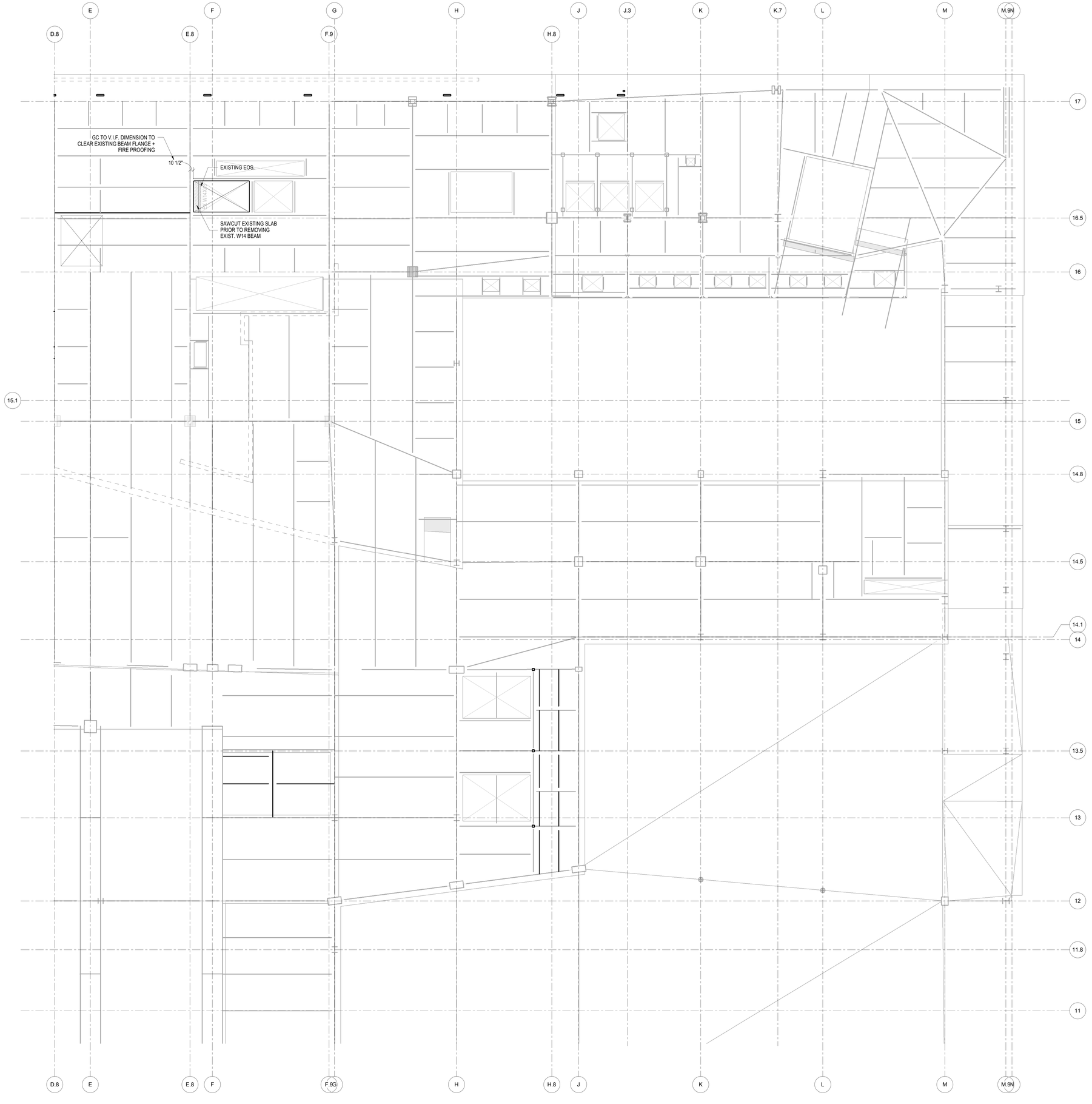

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S1-0003L

Drawing Title

PLATFORM LOWER LEVEL PLAN SECTOR 03L

Drawing Number
S1-0003L
S-Scan Drawing Number
S-116.00

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CAT DOC #1429139826 Job Number
1533/0990/00 Work Order

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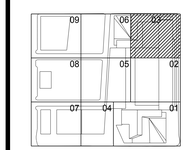
No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) C=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"]
P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND

NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 35'-0" UON THUS:
   X1 — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 36'-10" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES

NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR X/Y	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS:TC	INDICATES TRUSS TOP CHORD
TRUSS:BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)

NOT TO SCALE

NOTES:

1. DIMENSIONS TO BE COORDINATED WITH SUBCONTRACTORS

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

Issue Date:	12/10/2014
Project No.	N11328.00
Drawn By	Author
Sheet Number	

HYE-TA-S1-0003
Drawing Title

FLOOR FRAMING PLAN
00-SECTOR 03

Drawing Number
S1-0003
Re-Scan Drawing Number
S-117.01

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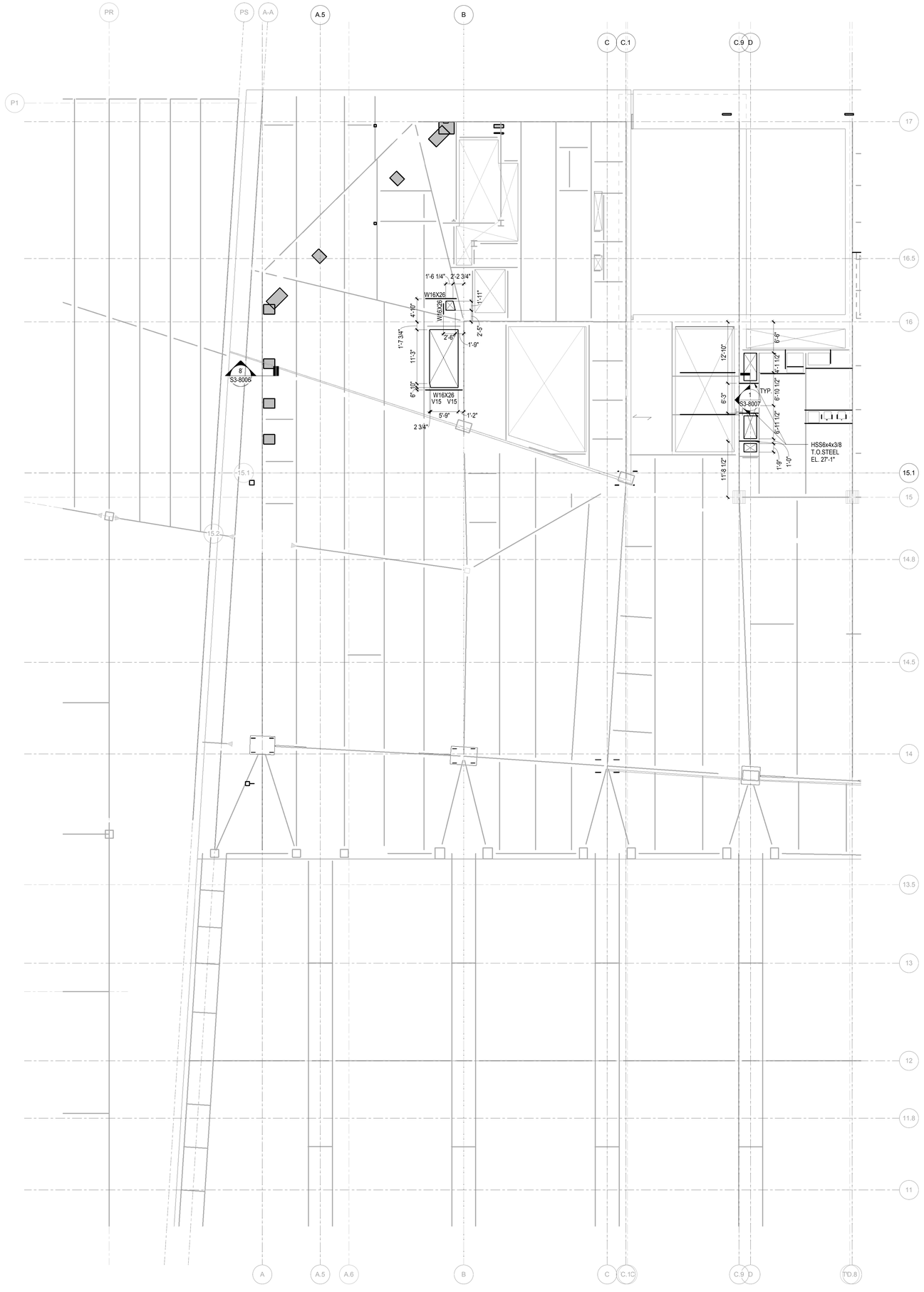

STEEL BEAM LEGEND

SIZE
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
MOMENT CONNECTION
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
REQUIRED CAMBER (NONE IF OMITTED)
V42 A W18x40 (30) C=1" V50
M50 P200 H20 T20
X'-XX"
[-1 1/2"]
P100 TF200 B300
COLLECTOR CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
B INDICATES BEARING FORCE TRANSFERRED TO STEEL FRAMING BELOW

STEEL BEAM LEGEND
12" = 1'-0"

SHEET NOTES:

1. REFER TO LOWER PLATFORM DRAWINGS FOR ALL EXISTING STRUCTURAL INFORMATION.

TYPICAL SHEET NOTES
12" = 1'-0"

2. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES LATERAL BRACING.
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
- INDICATES KICKER AT SPANDREL BEAM CONNECTION
- INDICATES BEAM REINFORCEMENT
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKNENED SLAB
- INDICATES TOPPING SLAB T.O.C. EL. 40'-2. SEE TYPICAL DETAILS 1&2 ON S3-1050
- INDICATES BEAM TO BE REMOVED
- INDICATES BEAM TO BE SHORED
- INDICATES CAST SLAB
- STYR — INDICATES SLAB ON STYROFOAM. SEE TYPICAL DETAIL

3. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
PA/PB	INDICATES POST ABOVE / BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
MF	INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDIACTES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
TC	INDICATES TORSIONAL CONNECTION FOR STAIR
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
BF	INDICATES BRACED FRAME. SEE ELEVATIONS
FCA	INDICATES FUTURE COLUMN ABOVE

TYPICAL SHEET NOTES LEGEND
12" = 1'-0"

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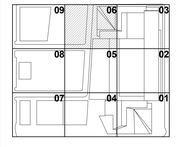
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S1-0006L

Drawing Title

PLATFORM LOWER LEVEL PLAN SECTOR 06L

Drawing Number
S1-0006L
B-Scan Drawing Number
S-118.00

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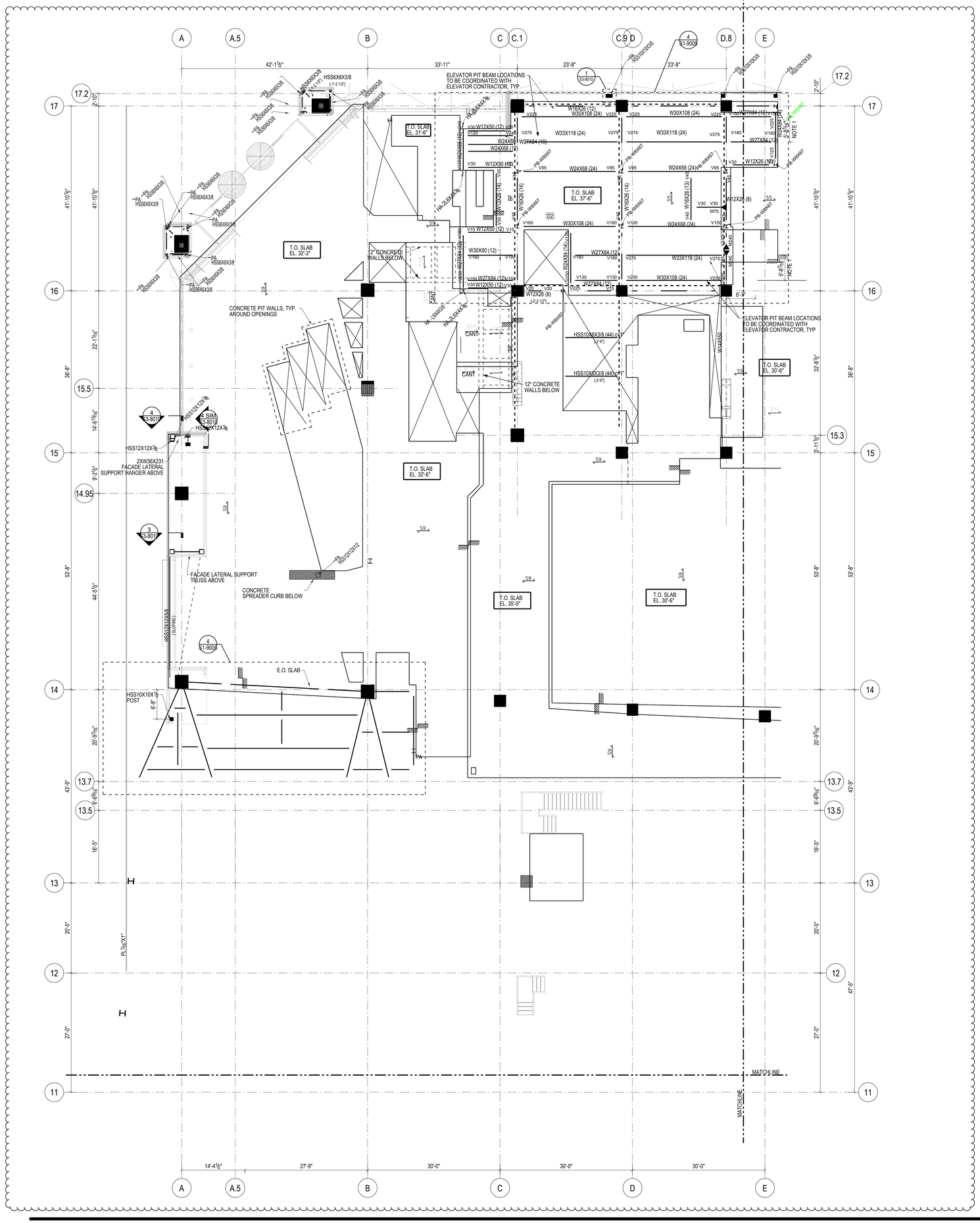

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) C=1" V50
M50 P200 H20 T20 X'-XX" [-1 1/2"]
P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 37'-6" UON THUS:
   X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 36'-10" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

NOTE:
1. DIMENSIONS TO BE COORDINATED WITH SUBCONTRACTORS

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Date: 05/03/2017
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0 4' 8' 16'

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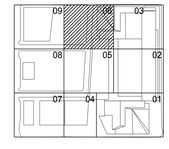
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



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Drawn By Author
Sheet Number

HYE-TA-S1-0006
Drawing Title

FLOOR FRAMING PLAN
00-SECTOR 06

Drawing Number
S1-0006
X-Scan Drawing Number
S-121.01

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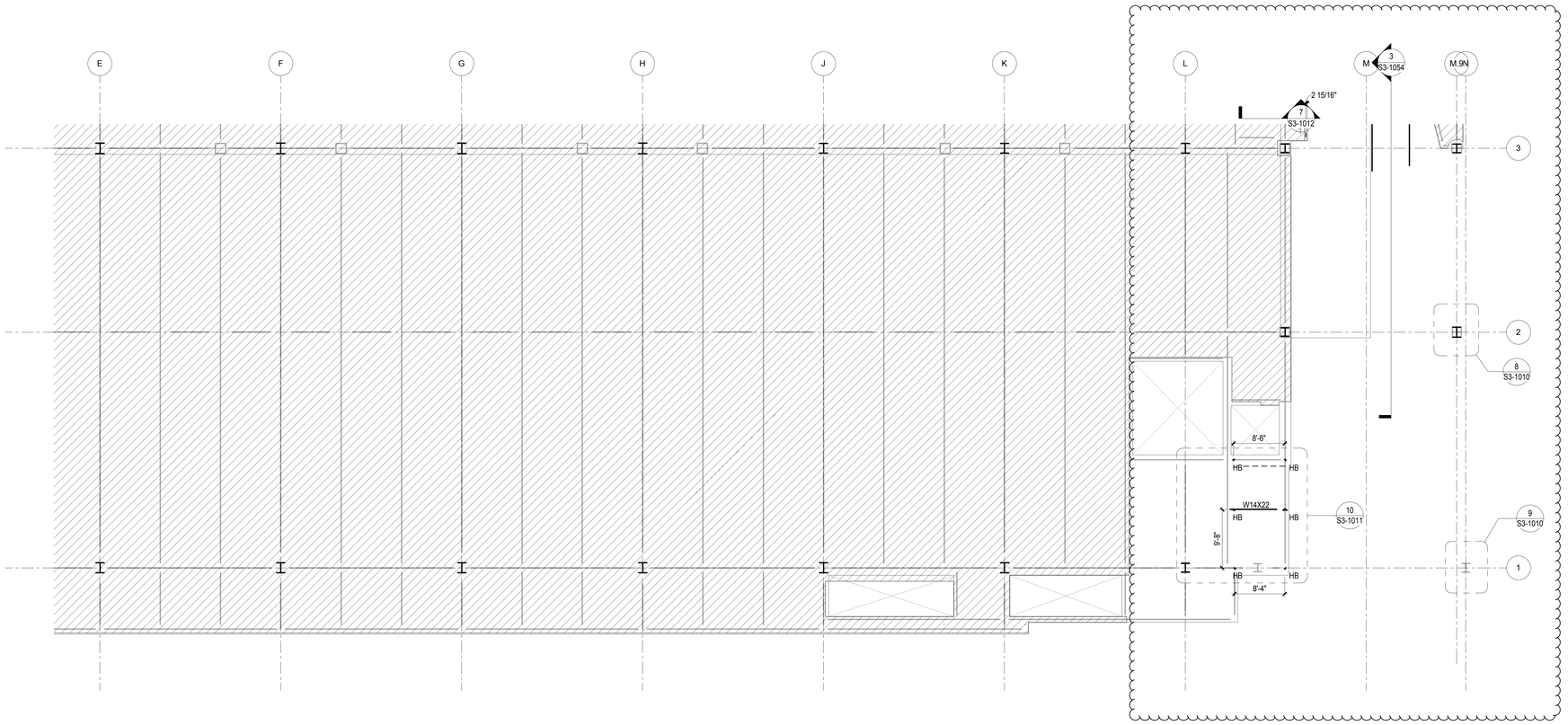
DEPT OF BLDGS STR.DWGS Job Number
Scan Code



STEEL BEAM LEGEND

SIZE
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
MOMENT CONNECTION
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
REQUIRED CAMBER (NONE IF OMITTED)
COLLECTOR CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V42 A W18x40 (30) c=1" V50
M50 P200 H20 T20 X'-XX" [-1 1/2"] P100 TF200 B300

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
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TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
B INDICATES BEARING FORCE TRANSFERRED TO STEEL FRAMING BELOW

STEEL BEAM LEGEND

12" = 1'-0"

SHEET NOTES:

1. REFER TO UPPER PLATFORM DRAWINGS FOR ALL EXISTING STRUCTURAL INFORMATION.
2. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES LATERAL BRACING.
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
- INDICATES KICKER AT SPANDREL BEAM CONNECTION
- INDICATES BEAM REINFORCEMENT
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKNENED SLAB
- INDICATES TOPPING SLAB T.O.C. EL. 40'-2. SEE TYPICAL DETAILS 1&2 ON S3-1050
- INDICATES BEAM TO BE REMOVED
- INDICATES BEAM TO BE SHORED
- INDICATES CAST SLAB
- STYR — INDICATES SLAB ON STYROFOAM. SEE TYPICAL DETAIL

3. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
PA/PB	INDICATES POST ABOVE / BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
MF	INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDIACTES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
TC	INDICATES TORSIONAL CONNECTION FOR STAIR
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
BF	INDICATES BRACED FRAME. SEE ELEVATIONS
FCA	INDICATES FUTURE COLUMN ABOVE
FHA	INDICATES FUTURE HANGER ABOVE

TYPICAL SHEET NOTES LEGEND

12" = 1'-0"

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AMENDED APPLICATION
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1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan

Issue Date: 12/10/2014
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Drawn By:
Sheet Number

HYE-TA-S1-0101

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 01

Drawing Number
S1-0101
B-Scan Drawing Number
S-122.01

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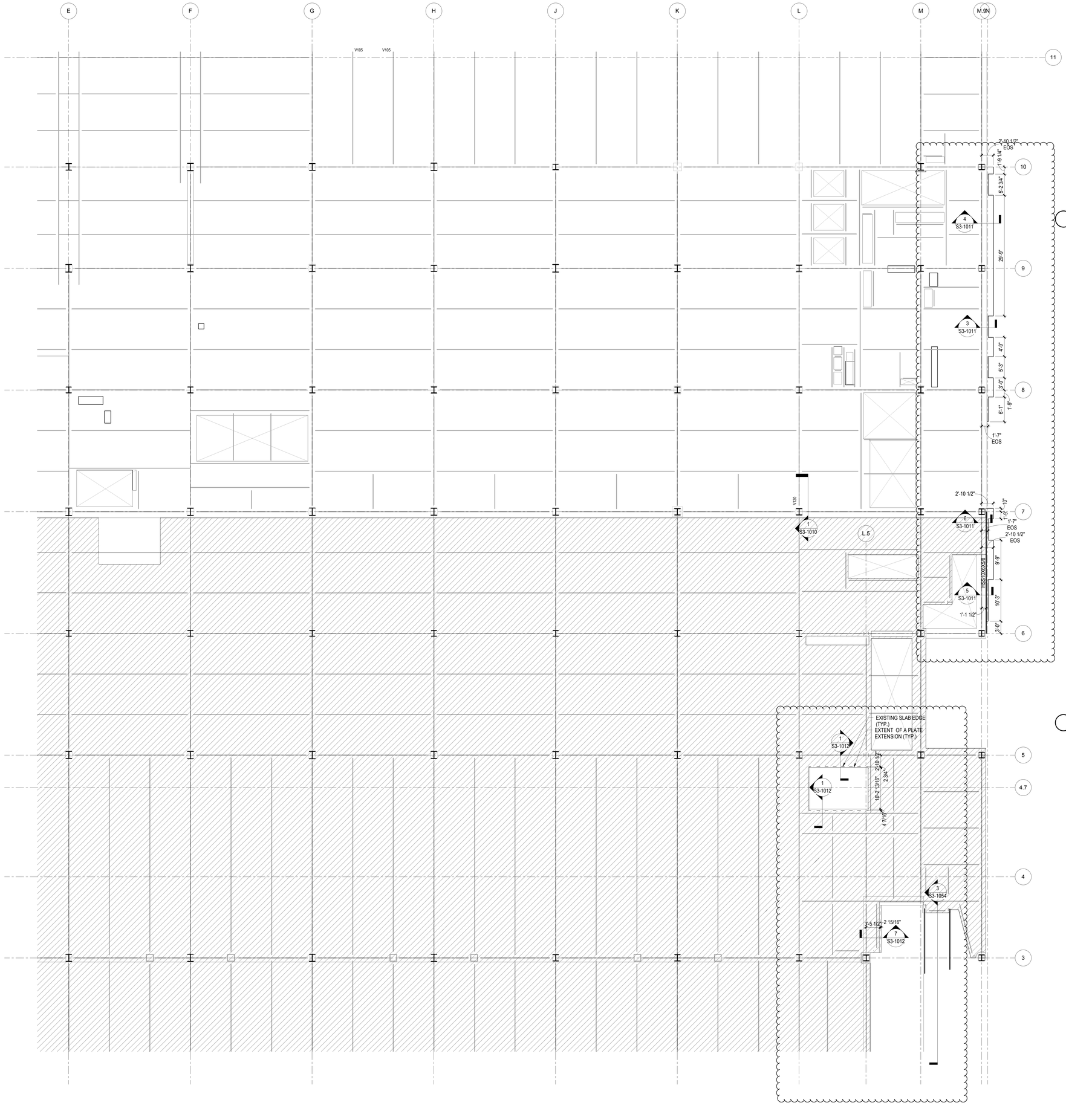
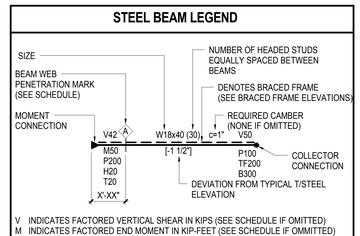


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMMITTED)
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TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
B INDICATES BEARING FORCE TRANSFERRED TO STEEL FRAMING BELOW

STEEL BEAM LEGEND

12" = 1'-0"

SHEET NOTES:

1. REFER TO UPPER PLATFORM DRAWINGS FOR ALL EXISTING STRUCTURAL INFORMATION.
2. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES LATERAL BRACING.
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
- INDICATES KICKER AT SPANDREL BEAM CONNECTION
- INDICATES BEAM REINFORCEMENT
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKNENED SLAB
- INDICATES TOPPING SLAB T.O.C. EL. 40'-2. SEE TYPICAL DETAILS 1&2 ON S3-1050
- INDICATES BEAM TO BE REMOVED
- INDICATES BEAM TO BE SHORED
- INDICATES CAST SLAB
- STYR — INDICATES SLAB ON STYROFOAM. SEE TYPICAL DETAIL

3. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
PA/PB	INDICATES POST ABOVE / BELOW
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PG	INDIACTES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
TC	INDICATES TORSIONAL CONNECTION FOR STAIR
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FCA	INDICATES FUTURE COLUMN ABOVE
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TYPICAL SHEET NOTES LEGEND

12" = 1'-0"

0 4' 8' 16'

N

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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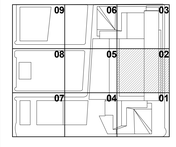
No.	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-0102

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 02

Drawing Number
S1-0102
Scan Drawing Number
S-123.01

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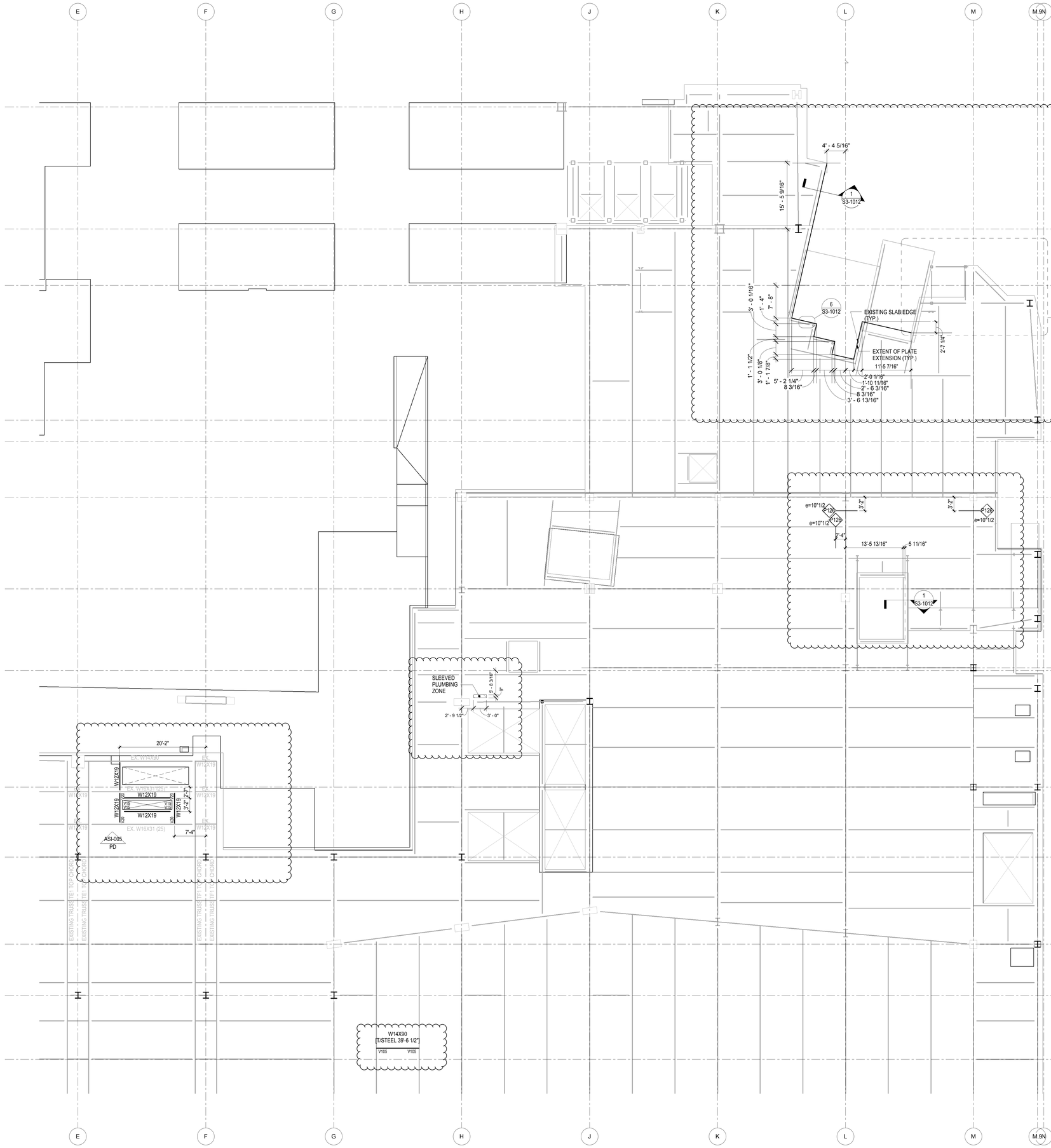
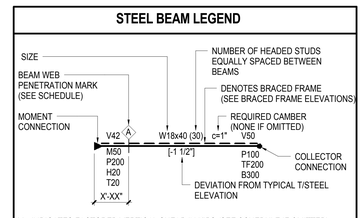


STEEL BEAM LEGEND



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2 PART PLAN
1/4" = 1'-0"

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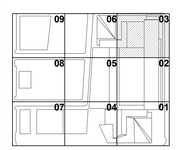
Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-0103

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 03

Drawing Number
S1-0001
E-Scan Drawing Number
S-124.01

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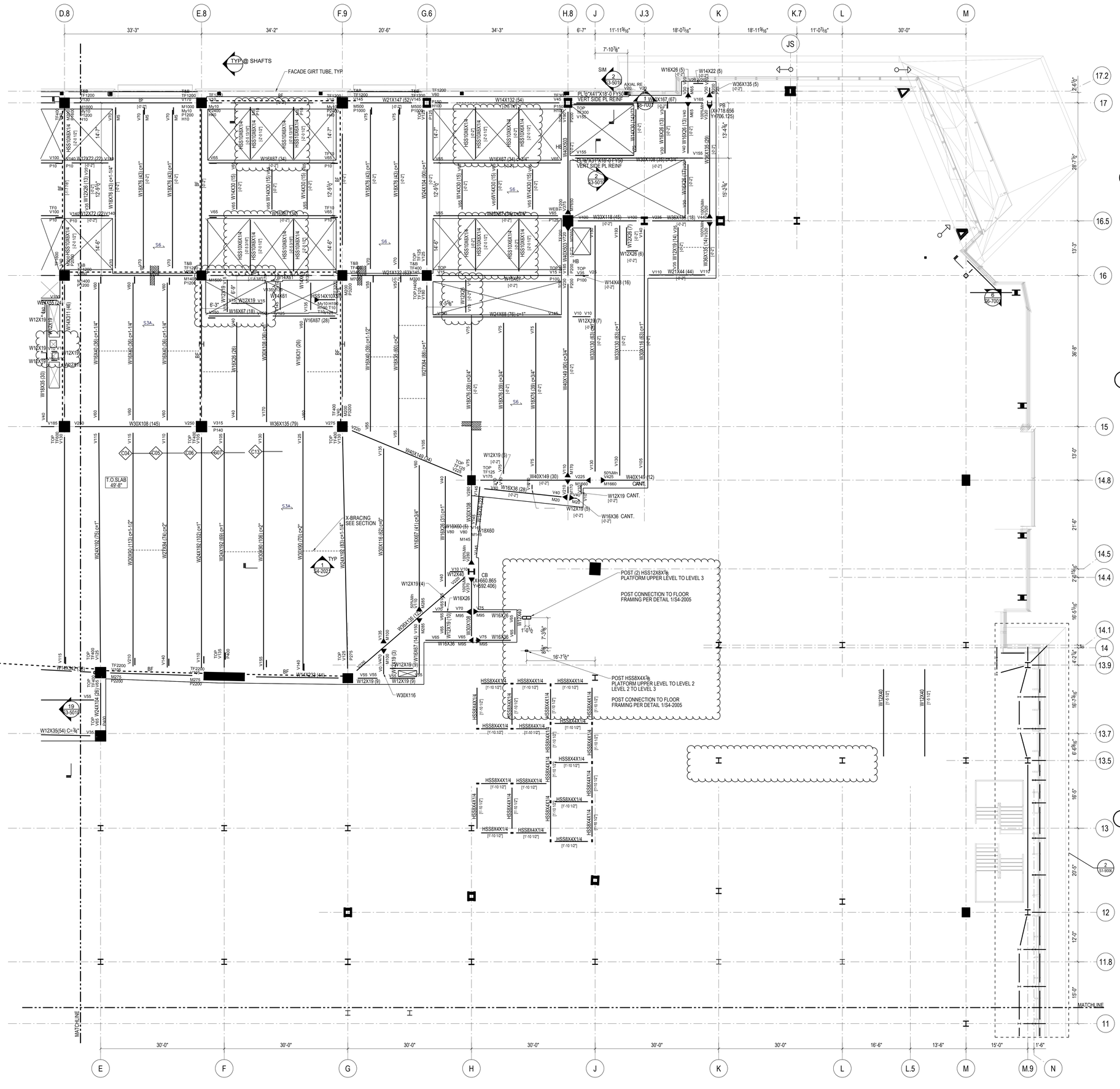
CAT.NO. B-A0007/13 REV.05 Bldg Number Bldg Code


D.8
E.8
F.9
G.6
H.8
J
J.3
K
K.7
L
M
JS
33'-3"
34'-2"
20'-6"
34'-3"
6'-7"
11'-11⅜"
18'-0⅞"
18'-11⅜"
11'-0⅞"
30'-0"
7'-10⅞"
TYP @ SHAFTS
FACADE GIRT TUBE, TYP
SIM S3-5010
AXIAL RE
W16X26 (5)
W14X22 (5)
W36X135 (5)
PL 2"X 41"X18'-0" FY50 VERT SIDE PL REINF
W14X132 (54)
W21X147 (52)
W16X67 (34)
W16X67 (34) C=3/4"
W30X108 (145)
W36X135 (79)
W40X149 (90)
W40X149 (30)
W40X149 (12) CANT.
W12X19 CANT.
W16X36 CANT.
W16X36 (28)
W12X19 (5)
W16X60 (5)
W16X26
W12X40
W30X116
W30X108
W18X60
W16X67 (41) c=3/4"
W24X192 (75) c=1"
W30X292 (113) c=1-1/2"
W24X284 (74) c=2"
W24X192 (102) c=1"
W24X192 (69) c=1"
W30X360 (108) c=2"
W30X300 (72) c=2"
W24X192 (83) c=1-1/4"
W24X192 (60) c=1"
W16X67 (14)
W12X19 (9)
W12X19 (3)
W12X19 (4)
W12X19 (10)
W16X26 (13)
W16X26 (17)
W30X108 (29)
W30X108 (19) C=3/4"
W33X118 (45)
W33X130 (83) c=1"
W30X116 (83) c=1"
W12X26 (7)
W12X26 (6)
W12X19 (14)
W21X44 (44)
W14X43 (16)
W12X19 (7)
W24X68 (76) c=1"
W16X78 (89) c=3/4"
W16X78 (28) c=3/4"
W16X40 (39) c=1-1/2"
W16X36 (60) c=2"
W16X26 (26)
W30X108 (26) c=2"
W16X31 (26)
W16X61
W14X61
W14X211 (46)
W12X35 (124)
W12X19
W16X40 (36) c=1-1/4"
W18X35 (50)
W12X40 (8)
W12X35 (54) C=3/4"
W24X104 (28)
W24X104 (20)
W24X104 (76)
W14X74 (44)
W14X74 (24)
W14X74 (22)
W14X74 (20)
W14X74 (18)
W14X74 (16)
W14X74 (14)
W14X74 (12)
W14X74 (10)
W14X74 (8)
W14X74 (6)
W14X74 (4)
W14X74 (2)
W14X74 (1)
W14X74 (3)
W14X74 (5)
W14X74 (7)
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W14X74 (11)
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W14X74 (29)
W14X74 (31)
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W14X74 (37)
W14X74 (39)
W14X74

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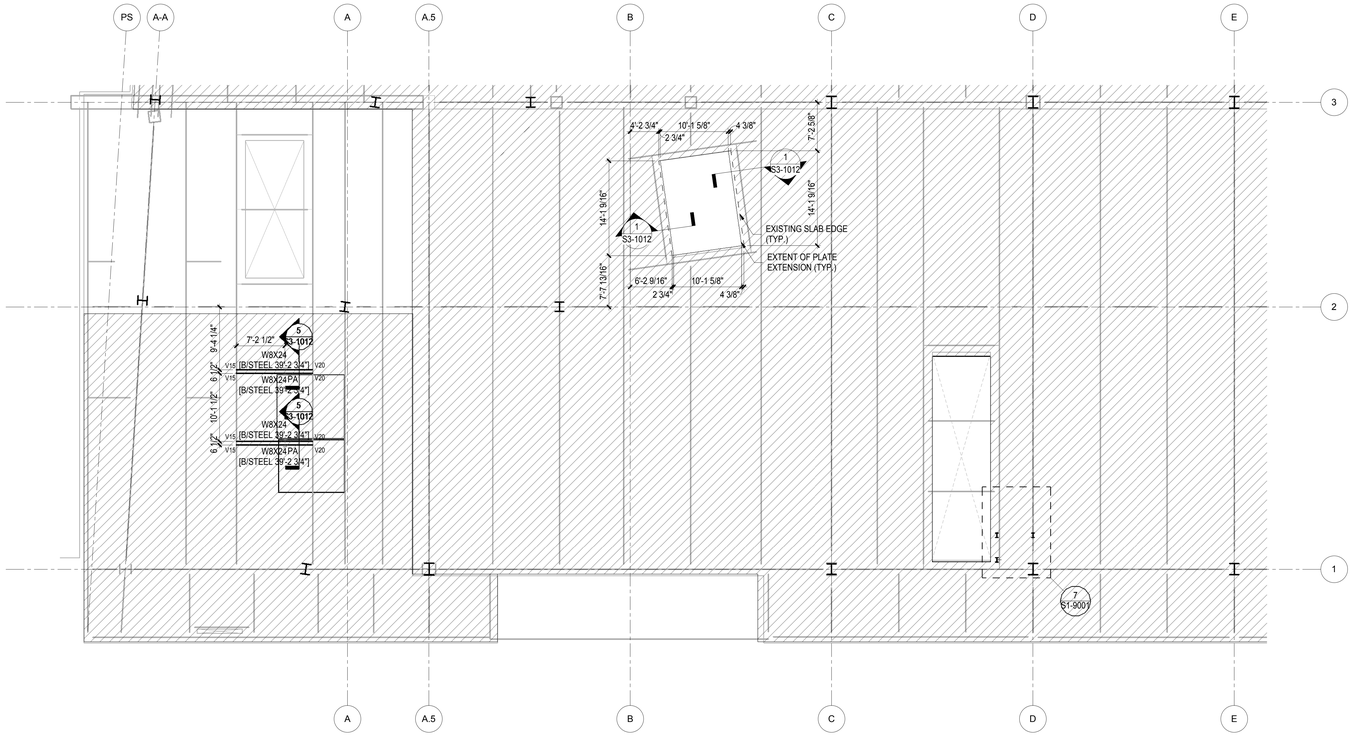
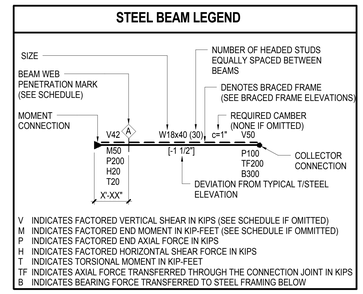


STEEL BEAM LEGEND



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STEEL BEAM LEGEND

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Key Plan

Issue Date: 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-0104

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 04

Drawing Number
S1-0104
B-Scan Drawing Number
S-126.01

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DEPT OF BLDGS 421490025 Job Number
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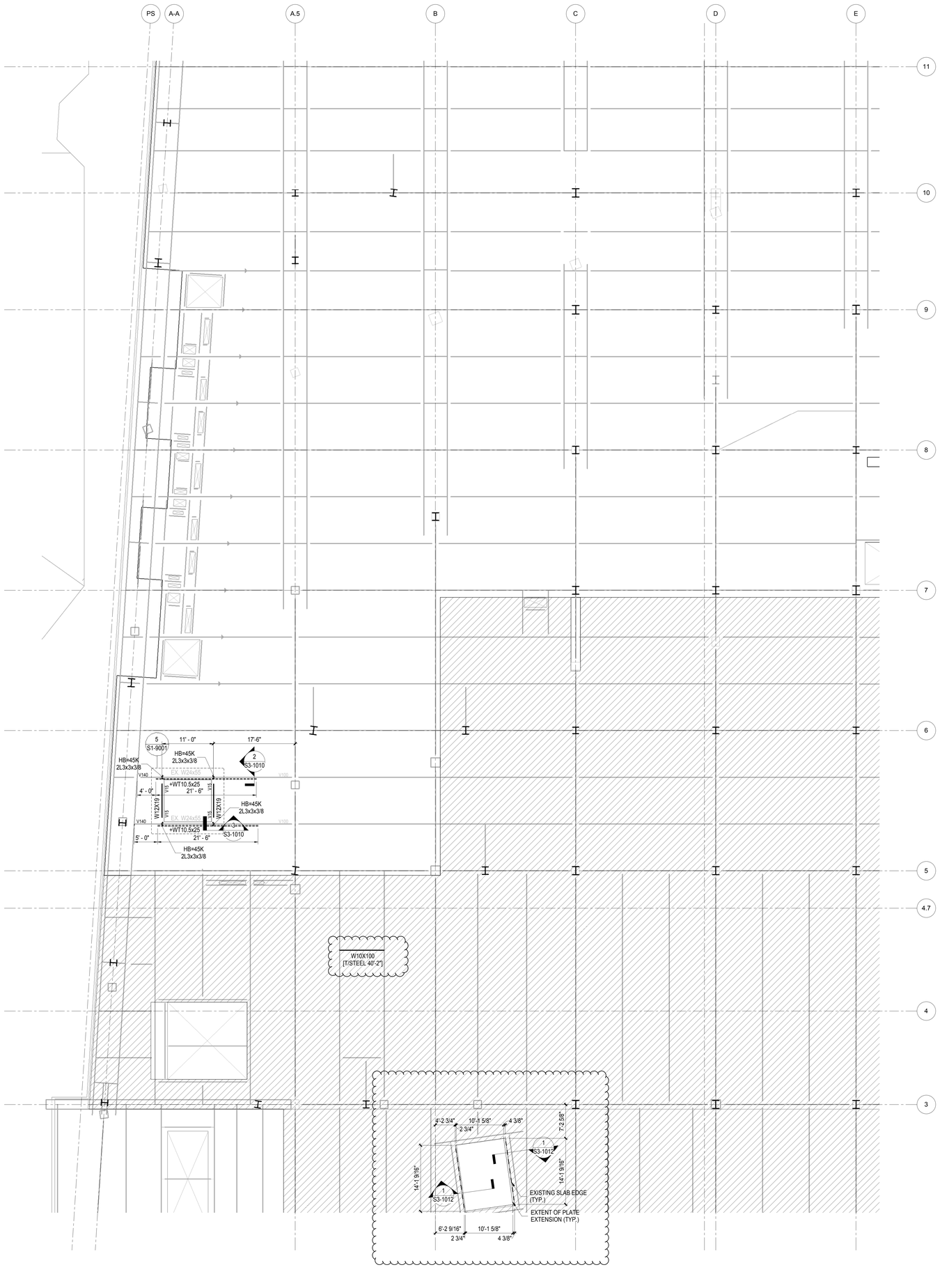
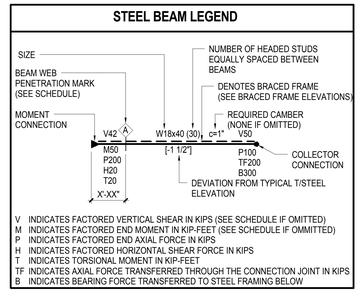


STEEL BEAM LEGEND



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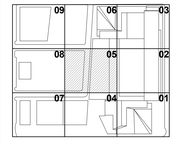
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By: DS
Sheet Number

HYE-TA-S1-0105

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 05

Drawing Number
S1-0105
B-Scan Drawing Number
S-127.01

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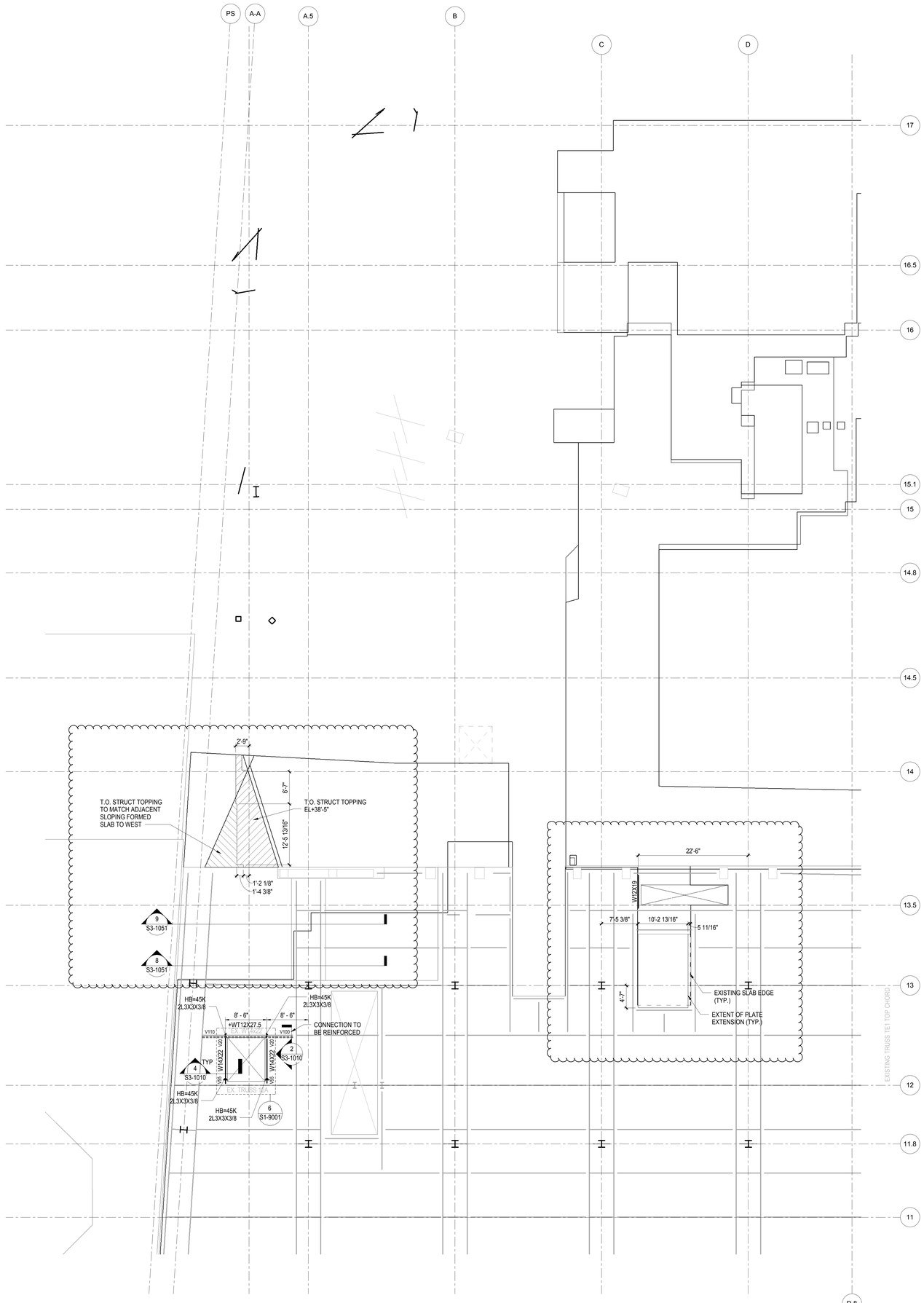
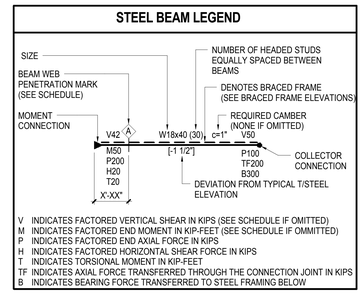


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS
B INDICATES BEARING FORCE TRANSFERRED TO STEEL FRAMING BELOW

STEEL BEAM LEGEND
12" = 1'-0"

SHEET NOTES:

1. REFER TO UPPER PLATFORM DRAWINGS FOR ALL EXISTING STRUCTURAL INFORMATION.
2. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES LATERAL BRACING.
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION.
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION
   - INDICATES BEAM REINFORCEMENT
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKNENED SLAB
   - INDICATES TOPPING SLAB T.O.C. EL. 40'-2. SEE TYPICAL DETAILS 1&2 ON S3-1050
   - INDICATES BEAM TO BE REMOVED
   - INDICATES BEAM TO BE SHORED
   - INDICATES CAST SLAB
   - STYR — INDICATES SLAB ON STYROFOAM. SEE TYPICAL DETAIL
3. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE.
PA/PB	INDICATES POST ABOVE / BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE
MF	INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDIACTES PLATE GIRDER TYPE. SEE S-511.00 FOR SCHEDULE AND DETAILS
TC	INDICATES TORSIONAL CONNECTION FOR STAIR
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE
BF	INDICATES BRACED FRAME. SEE ELEVATIONS
FCA	INDICATES FUTURE COLUMN ABOVE
FHA	INDICATES FUTURE HANGER ABOVE

TYPICAL SHEET NOTES LEGEND
12" = 1'-0"

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 4' 8' 16'

N

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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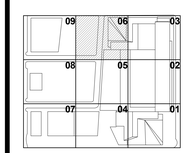
No	Description	Date
2	D.O.B. AMENDMENT #2	10/15/2016
1	D.O.B. BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date: 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-0106

Drawing Title

FLOOR FRAMING PLAN 01 - SECTOR 06

Drawing Number
S1-0106
Bchan Drawing Number
S-128.01

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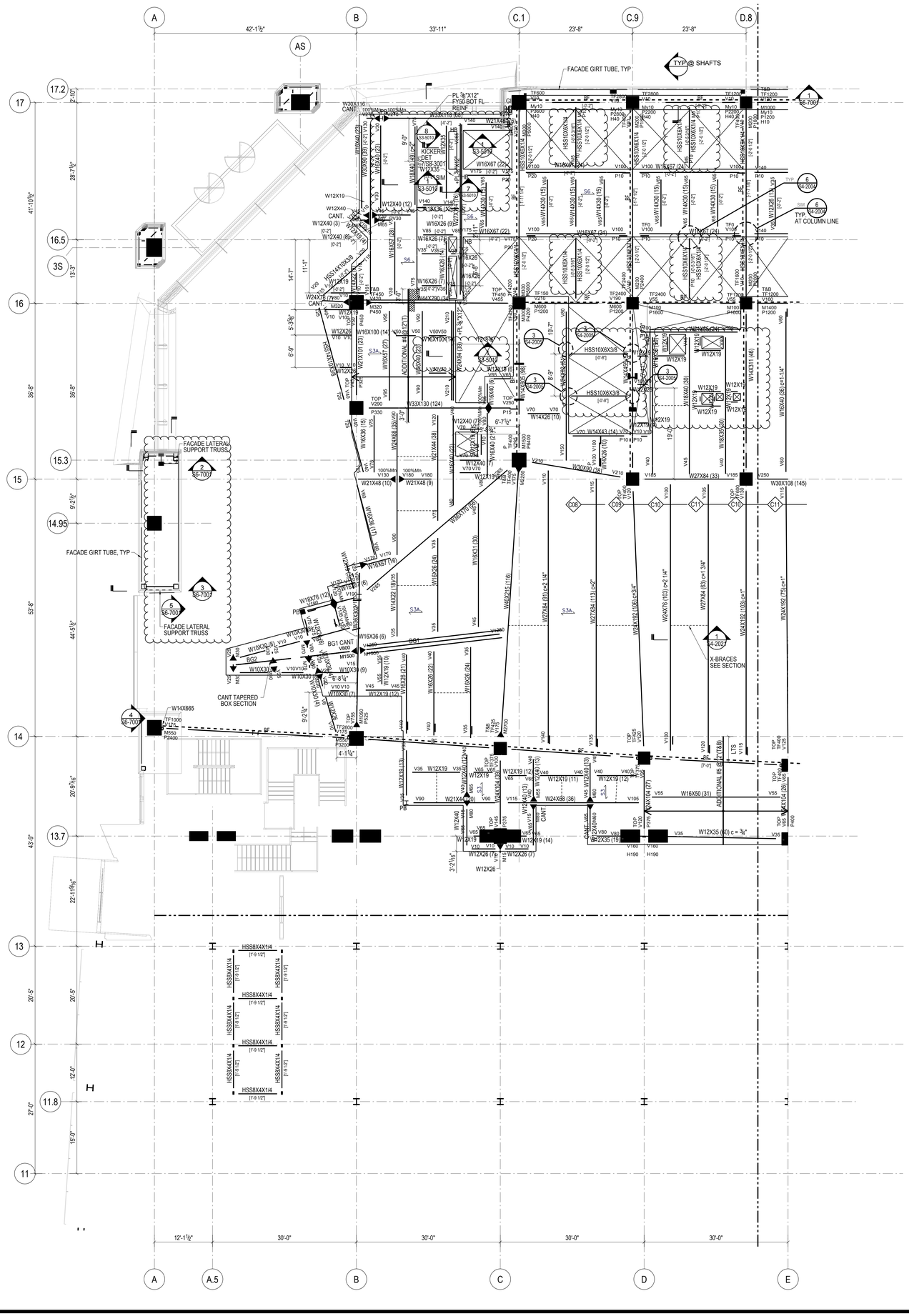
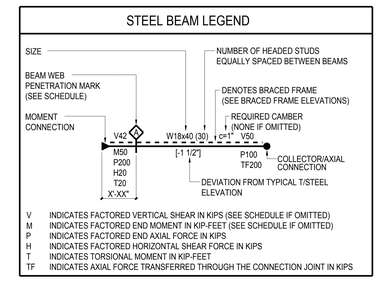


STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 49'-8" UON THUS:
   X' — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 49'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 4' 8' 16'

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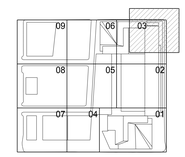
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DARRYL J. DOLCE — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-0106L
Drawing Title

FLOOR FRAMING PLAN 01-SECTOR 06

Drawing Number
S1-0106L
R-Scan Drawing Number
S-129.01

SHEET 40 OF 443

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CAT:OF BLADG1231395251 Job Number
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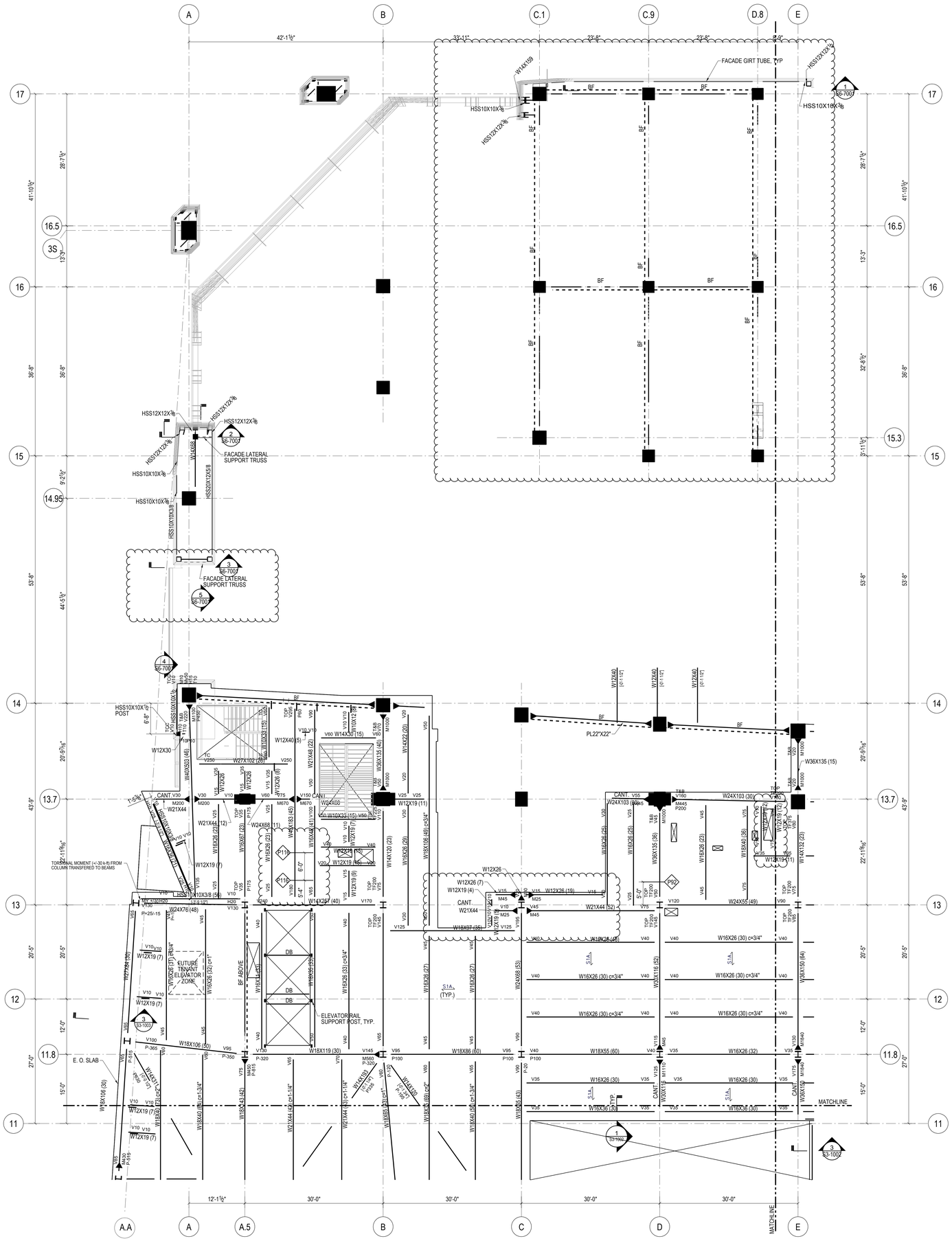
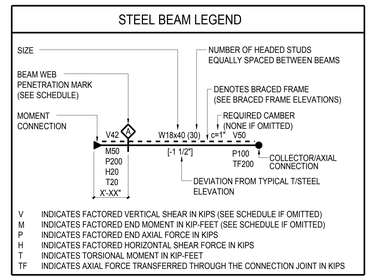


STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 60'-3" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 59'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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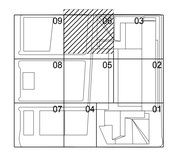
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — COUNTY OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-0206
Drawing Title

FLOOR FRAMING PLAN
02-SECTOR 06

Drawing Number
S1-0206
X-Scan Drawing Number
S-136.01

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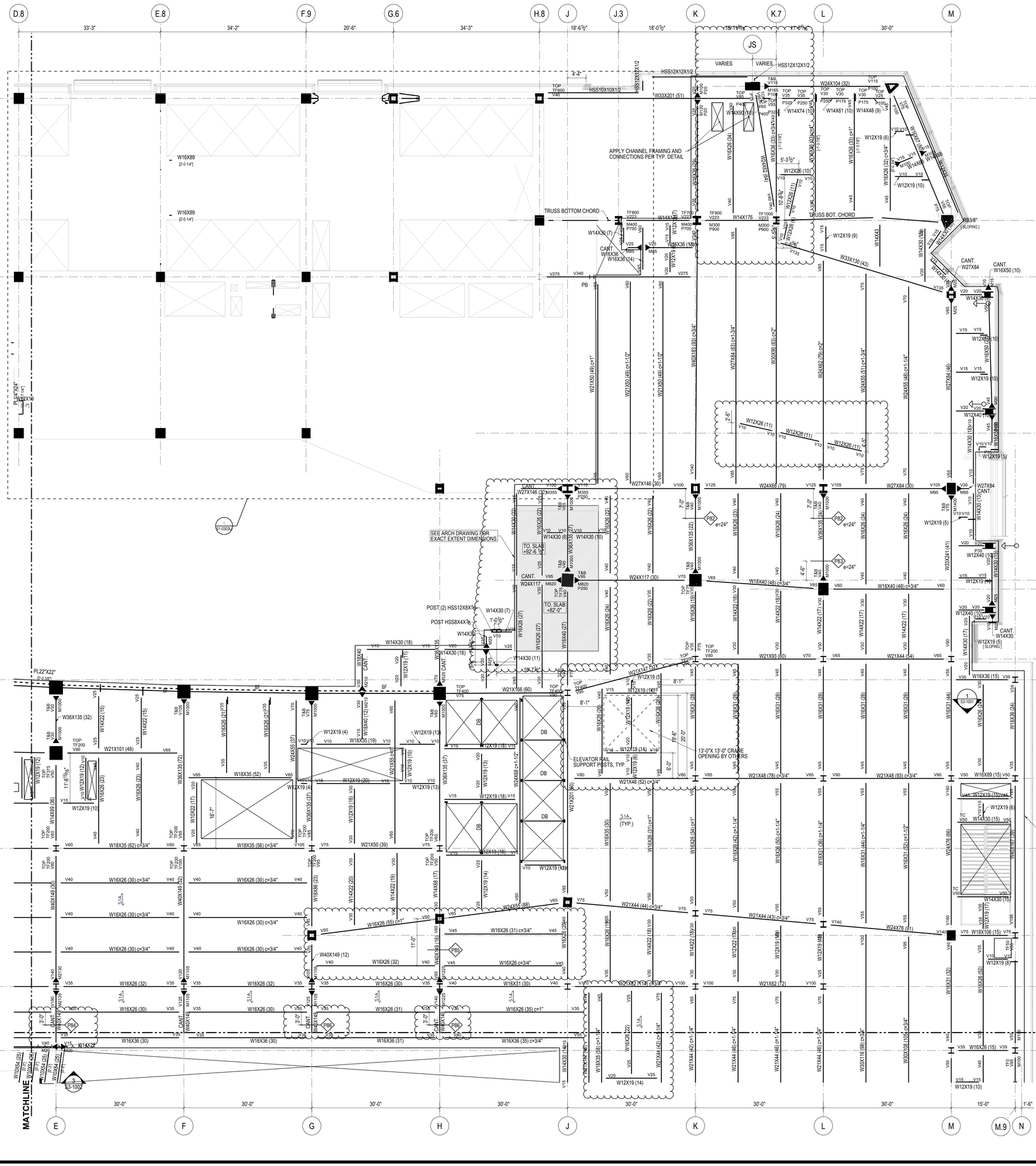
D.8
E.8
F.9
G.6
H.8
J
J.3
K
K.7
L
M
33'-3"
34'-2"
20'-6"
34'-3"
18'-6½"
18'-0½"
18'-1½"
17'-0"
30'-0"
JS
VARIES
HSS12X12X1/2
W24X104 (32)
W14X74 (10)
W14X61 (10)
W14X48 (9)
W14X90 (10)
W33X201 (51)
W16X89
W16X89
APPLY CHANNEL FRAMING AND CONNECTIONS PER TYP. DETAIL
TRUSS BOTTOM CHORD
TRUSS BOT. CHORD
W14X30 (7)
CANT. W16X36 W16X36 (14)
W16X36 (13)
W12X19 (9)
W33X130 (42)
CANT. W27X84
CANT. W16X50 (10)
W14X30 (8)
W12X65 (10)
W16X31 (10)
W12X19 (10)
W14X30 (10)
W12X40 (18)
W12X19 (5)
W27X84 (46)
W27X146 (30)
W24X68 (79)
W27X84 (30)
W27X84 CANT.
W14X30 (10)
W12X19 (5)
W12X40 (10)
W14X30 (17)
W12X19 (5) [SLOPING]
CANT W14X30
W16X36 (15)
W14X30 (15)
W12X19 (8)
W18X106 (15)
W12X19 (10)
W24X117 (30)
W18X40 (48) c=3/4"
W21X93 (50)
W21X44 (54)
W21X44 (43) c=3/4"
W24X76 (51)
W21X48 (52) c=3/4"
W21X48 (78) c=3/4"
W21X48 (93) c=3/4"
W21X166 (60)
W21X147 (52)
W12X19 (14)
W12X19 (16)
W12X19 (6)
W12X19 (10)
W12X19 (4)
W12X19 (13)
W12X19 (18)
W12X19 (12)
W18X35 (52)
W18X35 (56) c=3/4"
W21X50 (39)
W16X26 (30) c=3/4"
W16X26 (55) c=1"
W40X149 (12)
W16X26 (32)
W16X26 (30)
W16X26 (31) c=3/4"
W16X26 (35) c=1"
W16X36 (30)
W16X36 (31)
W16X36 (35) c=3/4"
W14X22
W16X26 (21)
W16X26 (22)
W16X26 (23)
W16X26 (24)
W16X26 (27)
W16X26 (28)
W16X26 (29)
W16X26 (50) c=1-1/4"
W16X26 (54) c=1-1/4"
W16X31 (28)
W16X31 (44) c=1-1/4"
W16X31 (52) c=1-1/2"
W16X38 (24)
W16X40 (24)
W16X89 (15)
W16X89 (50)
W16X89 (66)
W16X100 (45)
W16X100 (74)
W18X35 (19)
W18X35 (37)
W18X40 (12)
W18X40 (19)
W18X40 (27)
W18X86 (22)
W18X86 (23)
W18X106 (24)
W18X106 (50) c=1-1/4"
W21X62 (11) c=3/4"
W21X62 (72)
W21X68 (17)
W21X68 (20)
W21X68 (22)
W21X68 (24)
W21X68 (26)
W21X68 (28)
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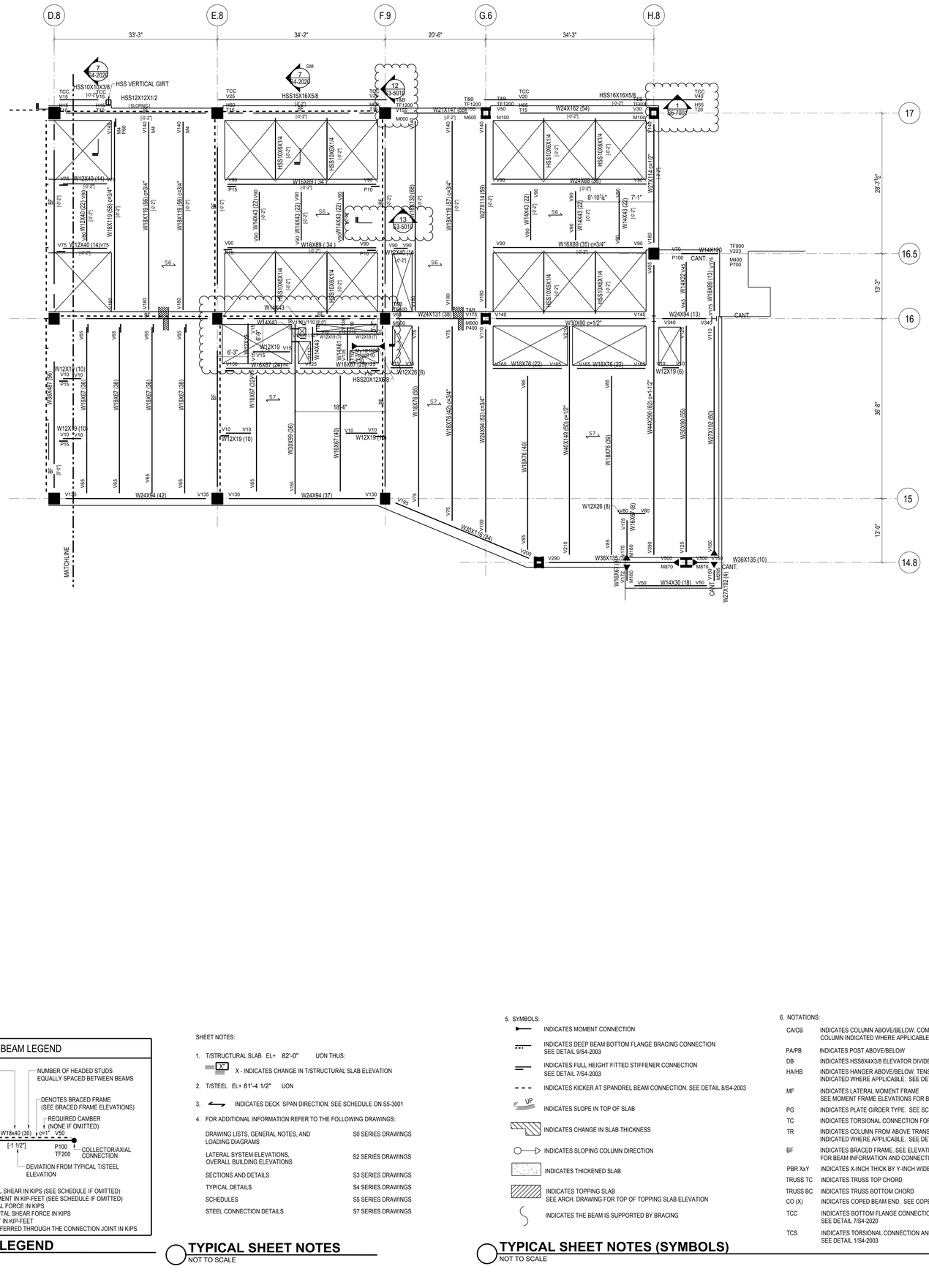
W21X68


D.8
E.8
F.9
G.6
H.8
33'-3"
34'-2"
20'-6"
34'-3"
17
16.5
16
15
14.8
28'-1½"
13'-3"
36'-8"
13'-0"
HSS10X10X3/8
HSS VERTICAL GIRT
HSS12X12X1/2
HSS16X16X5/8
W21X147 (50)
W24X162 (54)
W24X68 (55)
W27X114 (59)
W18X119 (57) c=3/4"
W18X119 (55) c=3/4"
W12X40 (22)
W12X40 (14)
W16X89 (34)
W16X89 (35) c=3/4"
W14X43
W14X43 (22)
W14X43 (20)
W14X120
W24X131 (38)
W30X90 c=1/2"
W24X94 (13)
W16X89 (13)
W16X76 (22)
W14X22
W12X19 (6)
W12X19 (10)
W16X67 (24)
W16X67 (36)
W16X67 (40)
W16X67 (32)
W16X67 (50)
W12X26 (16)
W12X26 (8)
HSS20X12X5/8
W18X76 (65)
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W24X94 (52) c=3/4"
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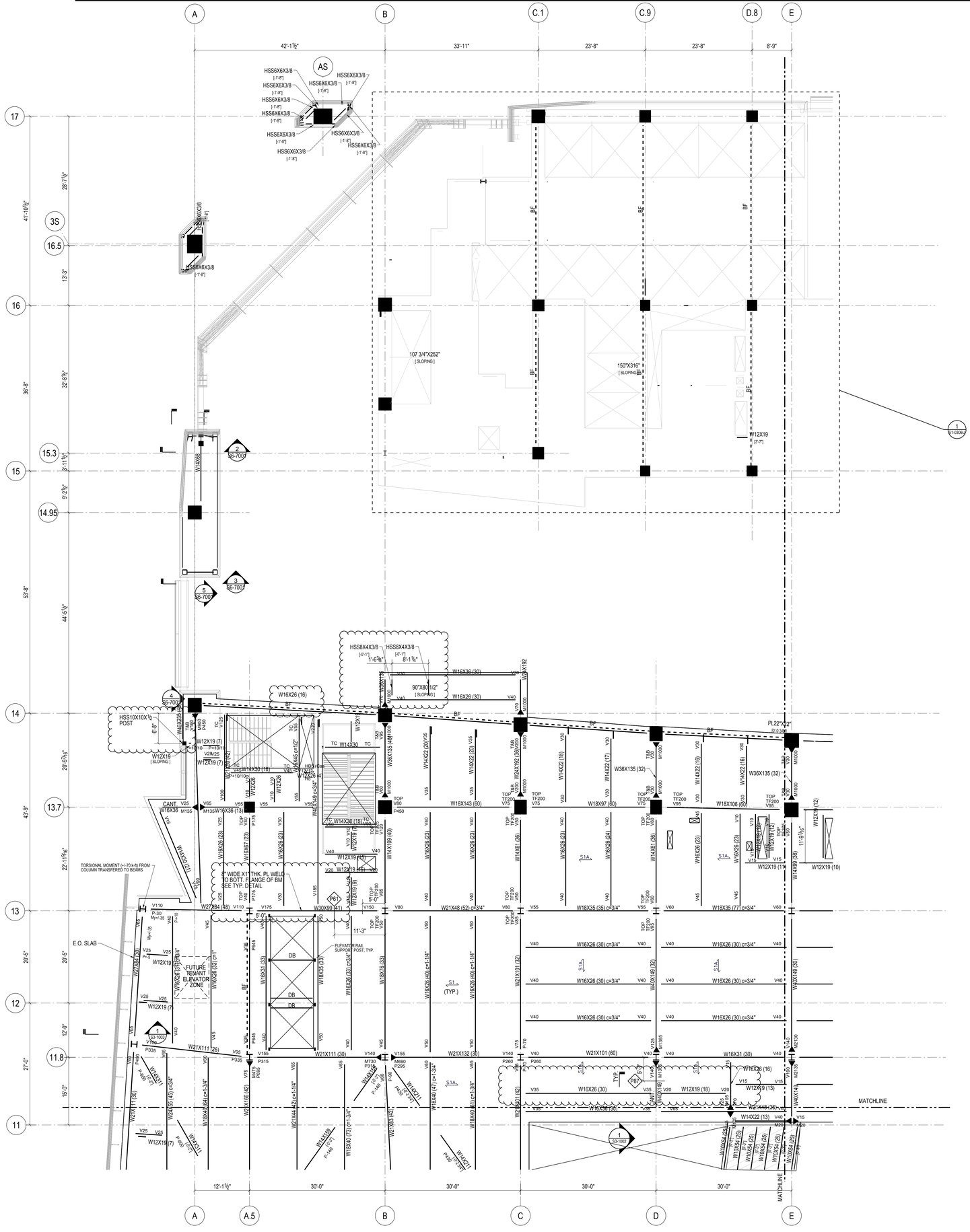
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C.1
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D.8
E
42'-1½"
33'-11"
23'-8"
23'-8"
8'-9"
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16.5
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AS
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HSS6X4X3/8
W16X26 (16)
W12X19 (7)
W12X19
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W16X36
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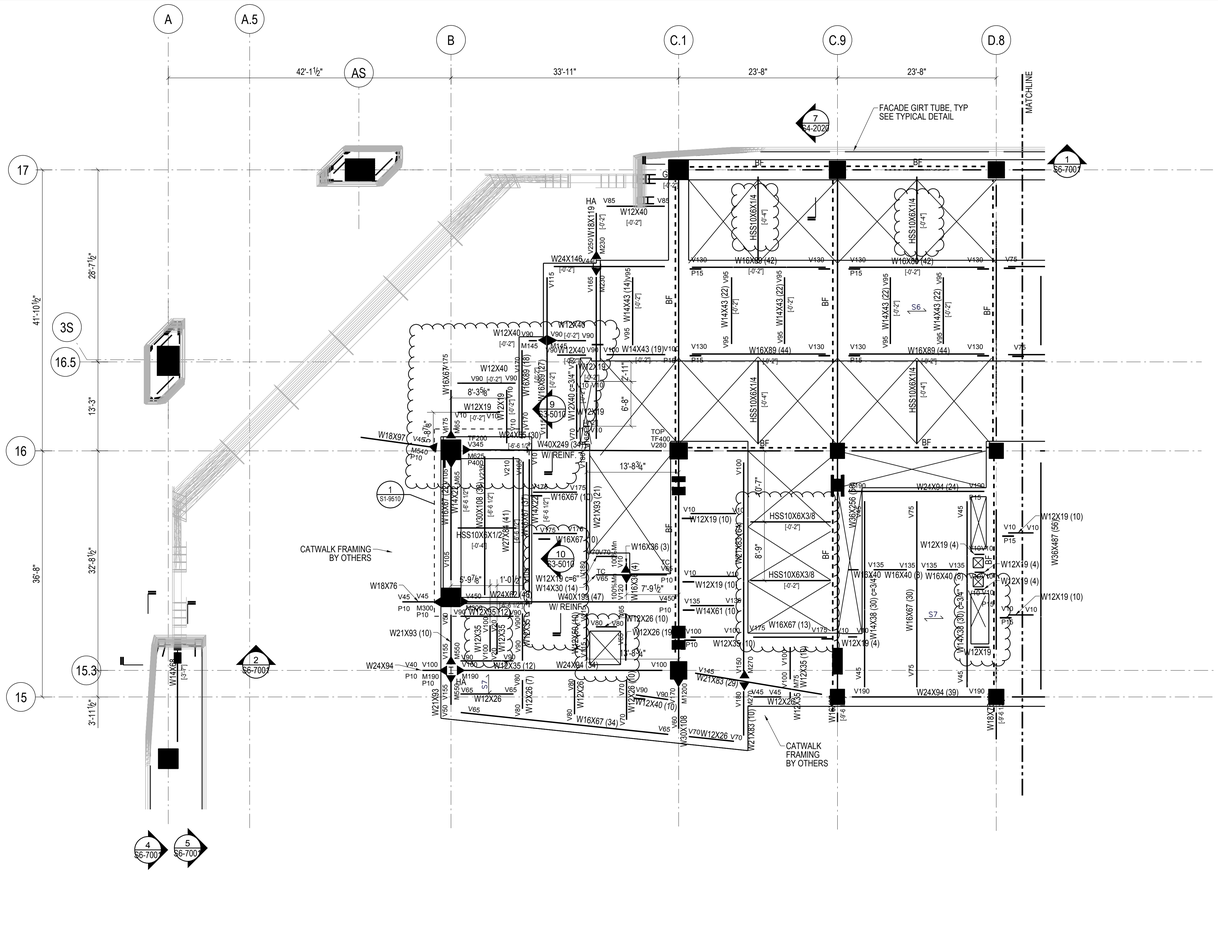
A
A.5
B
C.1
C.9
D.8
AS
42'-1½"
33'-11"
23'-8"
23'-8"
MATCHLINE
FACADE GIRT TUBE, TYP
SEE TYPICAL DETAIL
17
16.5
16
15.3
15
3S
41'-10½"
28'-7½"
13'-3"
36'-8"
32'-8½"
3'-11½"
CATWALK FRAMING
BY OTHERS
CATWALK
FRAMING
BY OTHERS
W18X97
W18X76
W24X94
W24X84
W24X94 (39)
W21X93 (10)
W12X19 (10)
W16X67 (30)
W16X89 (44)
W16X40 (6)
W16X36 (3)
W14X61 (10)
W14X30 (14)
W14X43 (14)
W14X43 (22)
W12X40
W12X26
W12X35
W12X19 (4)
W12X19 (10)
W12X19 (19)
W12X19 (24)
W12X19 (55)
W40X249 (34)
W40X199 (47)
W40X215 (30)
W21X83 (20)
W18X86
W18X97
W16X67
W16X89
W14X43 (19)
W14X43 (22)
W12X40
W12X19
W12X26
W12X35
W40X249
W40X199
W40X215
W21X83
W18X86
HSS10X6X3/8
HSS10X6X1/2
HSS10X6X1/4
W16X40 (30) C=6"
W16X67 (34)
W16X67 (30)
W16X89 (44)
W16X89 (42)
W14X43 (22)
W12X40 (54)
W12X40 (30)
W12X19
W12X26 (7)
W12X26 (10)
W12X26 (19)
W12X35 (10)
W12X35 (12)
W12X40 (16)
W12X40 (30)
W12X40 (41)
W12X40 (47)
W12X40 (54)
W12X19 (41)
W12X19 (49)
W21X93 (21)
W21X83 (20)
W18X86 (54)
W18X97 (45)
W16X67 (40)
W16X67 (75)
W16X89 (118)
W16X89 (127)
W14X43 (14)
W14X43 (22)
W14X61 (10)
W14X30 (14)
W12X40 (30)
W12X40 (54)
W12X19 (41)
W12X19 (49)

CAT:02 BLOCK:27 LOT:0001 Job Number
1 S1:0403 Sheet Count

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) C=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"]
P100 TF200 COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 96'-3" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 95'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

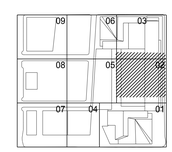
5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XyY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

No	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date	12/10/2014
Project No.	N11328.00
Drawn By	
Sheet Number	

Damian Titus
Building Code
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2022
NYC Development Hub

HYE-TA-S1-0403

Drawing Title

FLOOR FRAMING PLAN
04-SECTOR 03

Drawing Number
S1-0403
Revision Drawing Number
S-147.01

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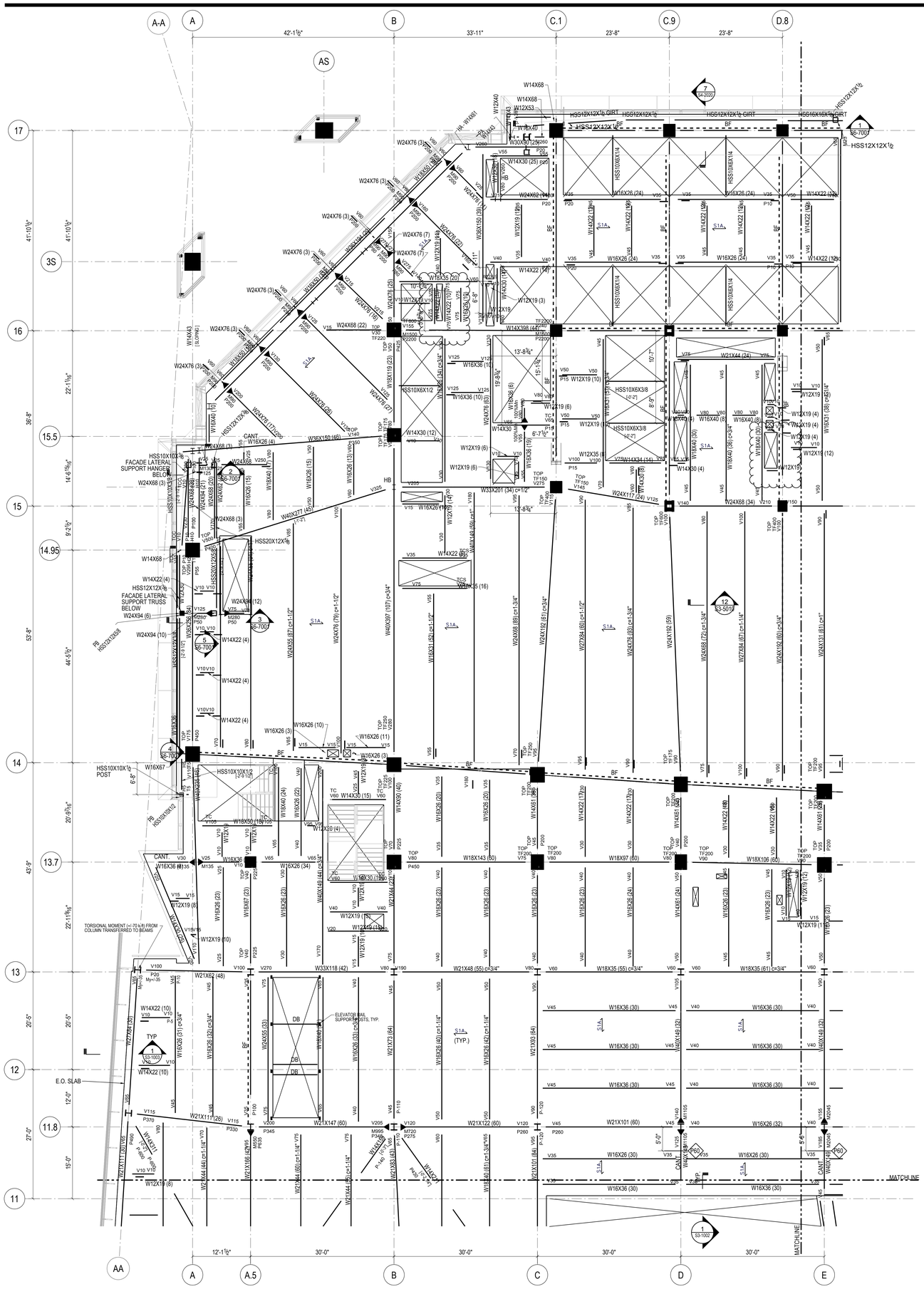
A-A
A
B
C.1
C.9
D.8
AS
42'-1½"
33'-11"
23'-8"
23'-8"
17
3S
16
15.5
15
14.95
14
13.7
13
12
11.8
11
41'-10½"
36'-8"
22'-11⅝"
14'-6⅝"
9'-2⅝"
53'-8"
43'-9"
20'-5"
12'-0"
27'-0"
15'-0"
AA
A.5
12'-1½"
30'-0"
MATCHLINE
HSS12X12X½
W14X68
W12X40
W12X53
W16X40
W24X76 (3)
W24X76 (7)
W24X68 (22)
W16X35 (20)
W14X30 (25)
W14X22 (10)
W14X22 (14)
W14X22 (12)
W16X26 (24)
W12X19 (3)
W14X30 (15)
W14X398 (44)
W16X36 (10)
W14X30 (12)
W12X19 (6)
W33X201 (34) c=1'2"
W21X44 (24)
W12X19 (12)
W16X40 (8)
W16X40 (30)
W16X31 (38) c=5¼"
W24X68 (34)
W14X30 (4)
W12X19 (4)
W24X68 (3)
W16X26 (4)
W36X150 (46)
W16X26 (15)
W18X40 (17)
W24X94 (27)
W24X94 (6)
W24X94 (10)
W24X94 (12)
W14X22 (4)
W40X277 (45)
W40X397 (107) c=3¼"
W24X76 (79) c=1-1/2"
W24X55 (87) c=1-1/2"
W24X76 (93) c=1¾"
W24X68 (89) c=1¾"
W24X192 (61) c=3¼"
W24X76 (60) c=1-1/2"
W24X192 (59)
W24X68 (72) c=1¾"
W27X84 (67) c=1-1/4"
W24X192 (60) c=3¼"
W24X131 (61) c=1"
W16X67
W14X43 [SLOPING]
W18X50 (16)
W16X26 (10)
W16X26 (3)
W16X26 (11)
W16X26 (34)
W18X143 (50)
W18X97 (60)
W18X106 (60)
W12X19 (12)
W16X26 (23)
W16X67 (22)
W16X26 (22)
W14X61 (24)
W16X26 (32)
W16X36 (30)
W16X36 (32)
W16X36 (15)
W16X26 (13)
W16X26 (15)
W16X26 (27)
W16X26 (32) c=3¼"
W16X26 (61) c=3¼"
W16X26 (33) c=3¼"
W16X26 (40) c=1-1/4"
W16X26 (42) c=1-1/4"
W18X40 (24)
W18X40 (22)
W18X40 (30)
W18X40 (36) c=3¼"
W18X40 (61) c=1"
W21X62 (48)
W21X48 (55) c=3¼"
W21X73 (64)
W21X93 (64)
W21X101 (60)
W21X147 (60)
W21X122 (60)
W21X111 (26)
W21X111 (50)
W21X101 (84)
W21X44 (60) c=1-1/4"
W21X44 (44) c=1-1/4"
W18X40 (61) c=1¾"
W18X35 (55) c=3¼"
W18X35 (61) c=3¼"
W40X149 (32)
W40X149 (40)
W40X167 (40)
W40X149 (41) c=3¼"
W40X149 (44) c=3¼"
W40X167 (44)
W40X183 (43) c=1"
W40X211 (43) c=1"
W40X327 (43) c=1"
W40X327 (47) c=1"
W40X327 (48) c=1"
W40X327 (49) c=1"
W40X327 (50) c=1"
W40X327 (51) c=1"
W40X327 (52) c=1"
W40X327 (53) c=1"
W40X327 (54) c=1"
W40X327 (55) c=1"
W40X327 (56) c=1"
W40X327 (57) c=1"
W40X327 (58) c=1"
W40X327 (59) c=1"
W40X327

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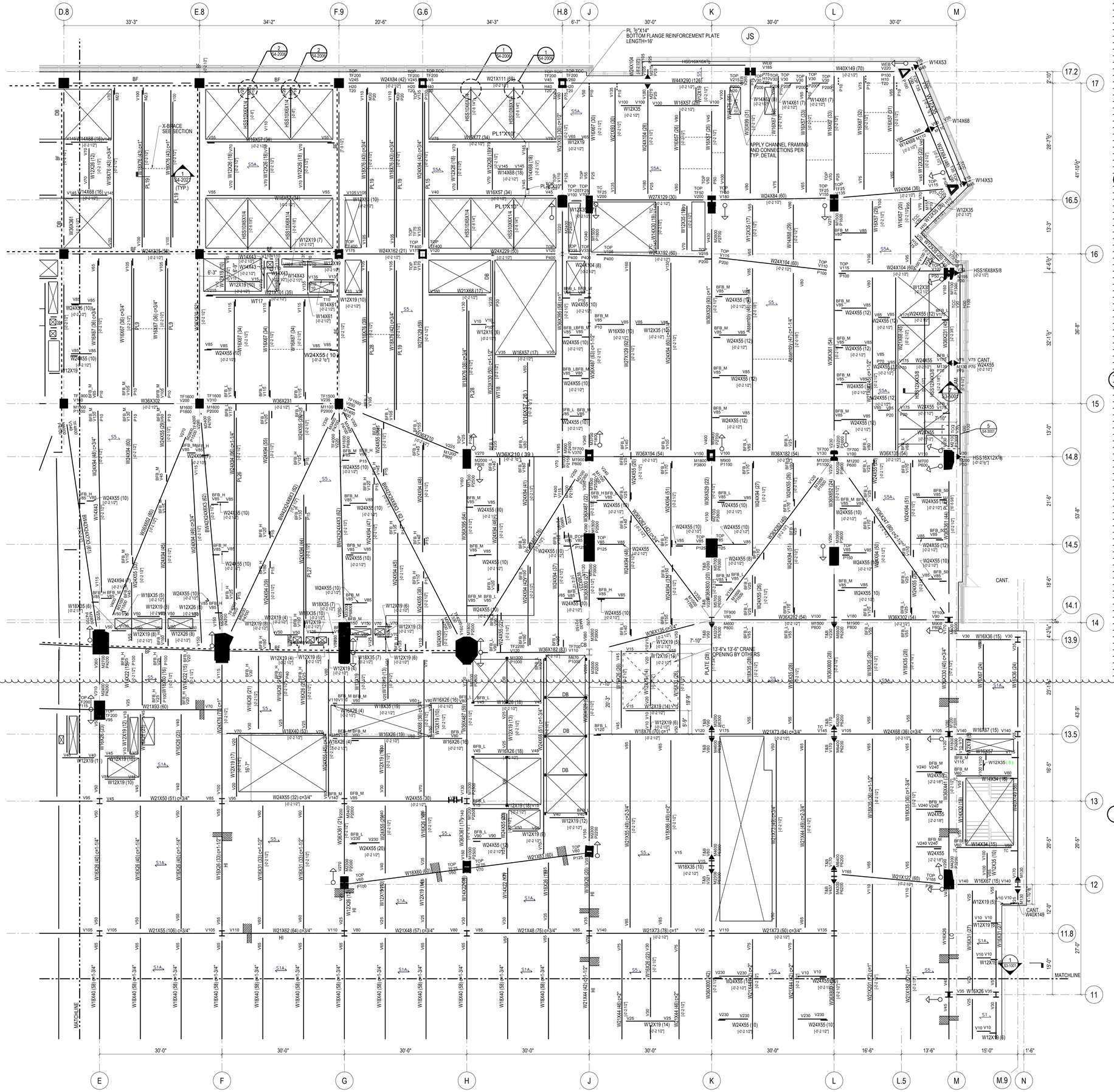

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) c=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"] P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 114'-3" UON THUS:
   X' / XX" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 113'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XyY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/9/2012
NYC Development Hub

N

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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TEL: 212.986.7514 FAX: 212.986.7510

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Structural Engineer
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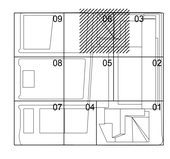
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

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HYE-TA-S1-0503
Drawing Title

FLOOR FRAMING PLAN
05-SECTOR 03

Drawing Number
S1-0503
R-Scan Drawing Number
S-155.01

SHEET 48 OF 443

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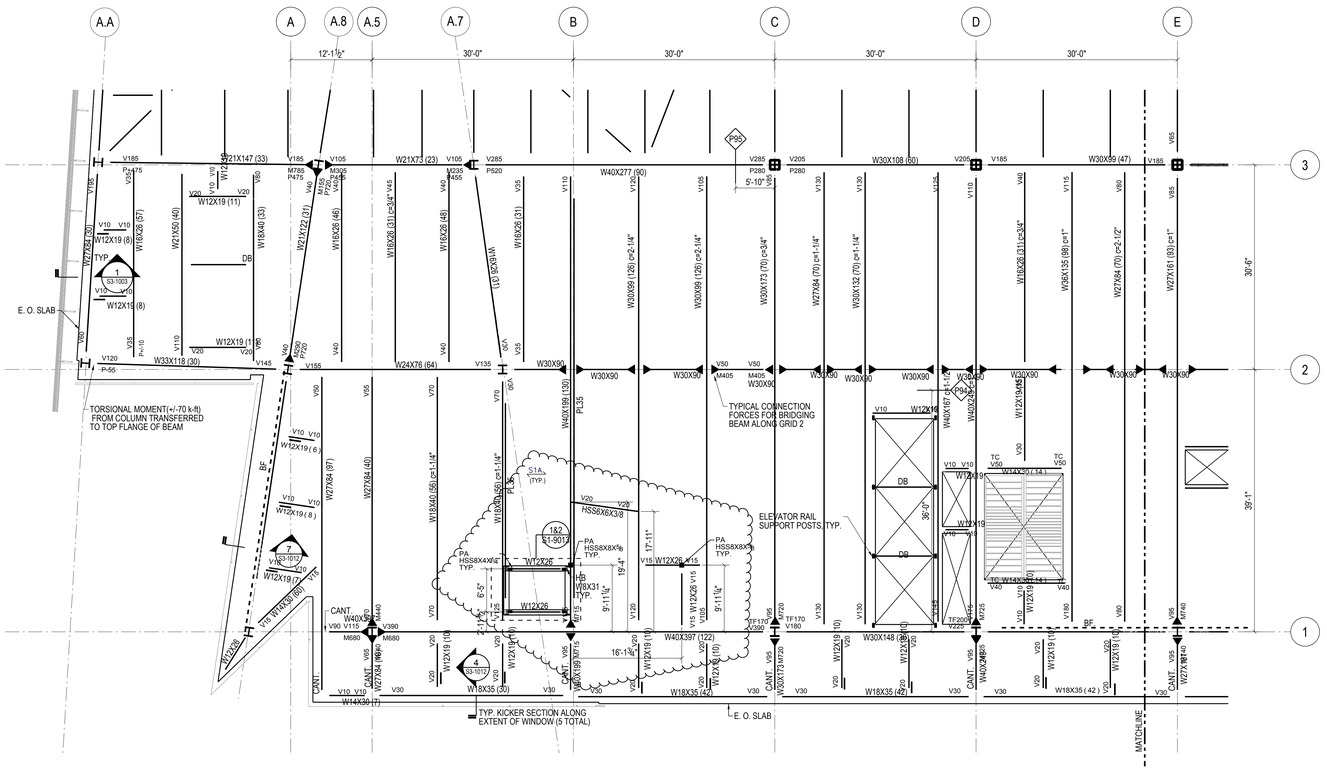
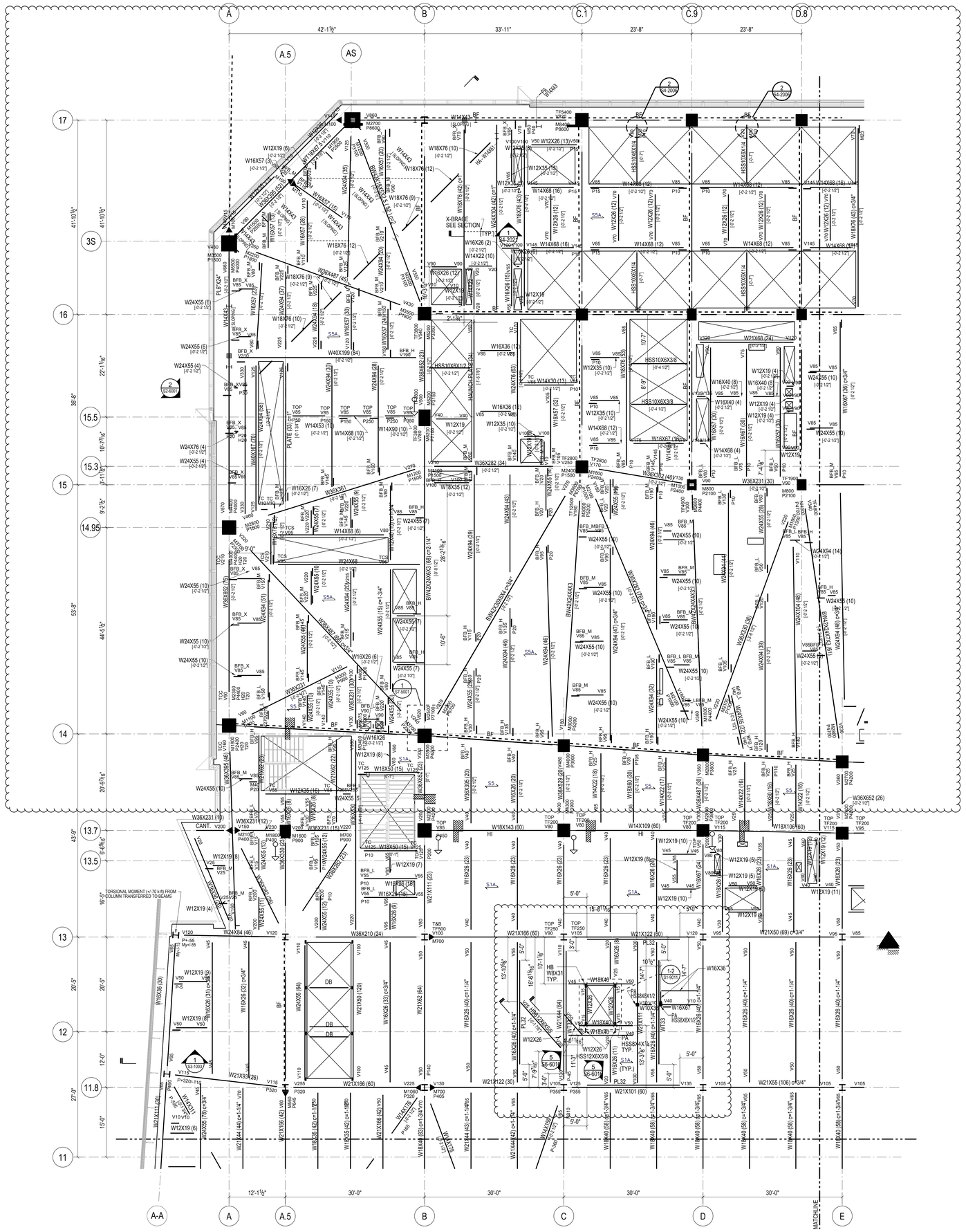
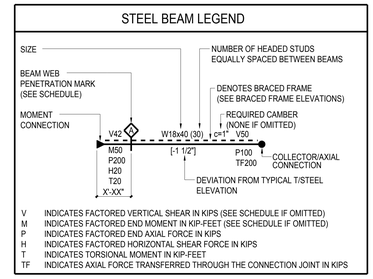

A.A
A
A.8
A.5
A.7
B
C
D
E
12'-1½"
30'-0"
30'-0"
30'-0"
30'-0"
3
2
1
W21X147 (33)
W21X73 (23)
W40X277 (90)
W30X108 (50)
W30X99 (47)
W12X19 (11)
W12X19 (8)
W16X26 (57)
W27X84 (70)
W21X50 (40)
W18X40 (33)
W21X122 (31)
W16X26 (46)
W16X26 (31) c=3/4"
W16X26 (45)
W16X26 (31)
W16X26 (31) c=3/4"
W30X99 (126) c=2-1/4"
W30X99 (126) c=2-1/4"
W30X173 (70) c=3/4"
W27X84 (70) c=1-1/4"
W30X192 (70) c=1-1/4"
W16X26 (31) c=3/4"
W30X135 (68) c=1"
W27X84 (70) c=2-1/2"
W27X161 (93) c=1"
W24X76 (64)
W30X90
W33X118 (30)
W40X199 (130)
W40X167 (110)
W40X249 (164)
W12X19 (45)
W14X257 (141)
W14X257 (141)
W12X19 (40)
W12X19 (7)
W14X90 (60)
W14X30 (17)
W12X26
W18X35 (30)
W18X35 (42)
W40X397 (122)
W30X148 (90)
W18X35 (42)
W18X35 (42)
W27X84 (60)
W18X60 (58) c=1-1/4"
W18X60 (58) c=1-1/4"
W27X84 (97)
W27X84 (60)
W40X199 (130)
W12X19 (10)
W12X19 (10)
W12X19 (10



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 114'-3" UON THUS:
   X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 113'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XyY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AUTHORIZATION
Date 09/03/2013
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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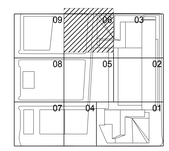
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-0506
Drawing Title

FLOOR FRAMING PLAN
05-SECTOR 06

Drawing Number
S1-0506
Revision Drawing Number
S-159.01

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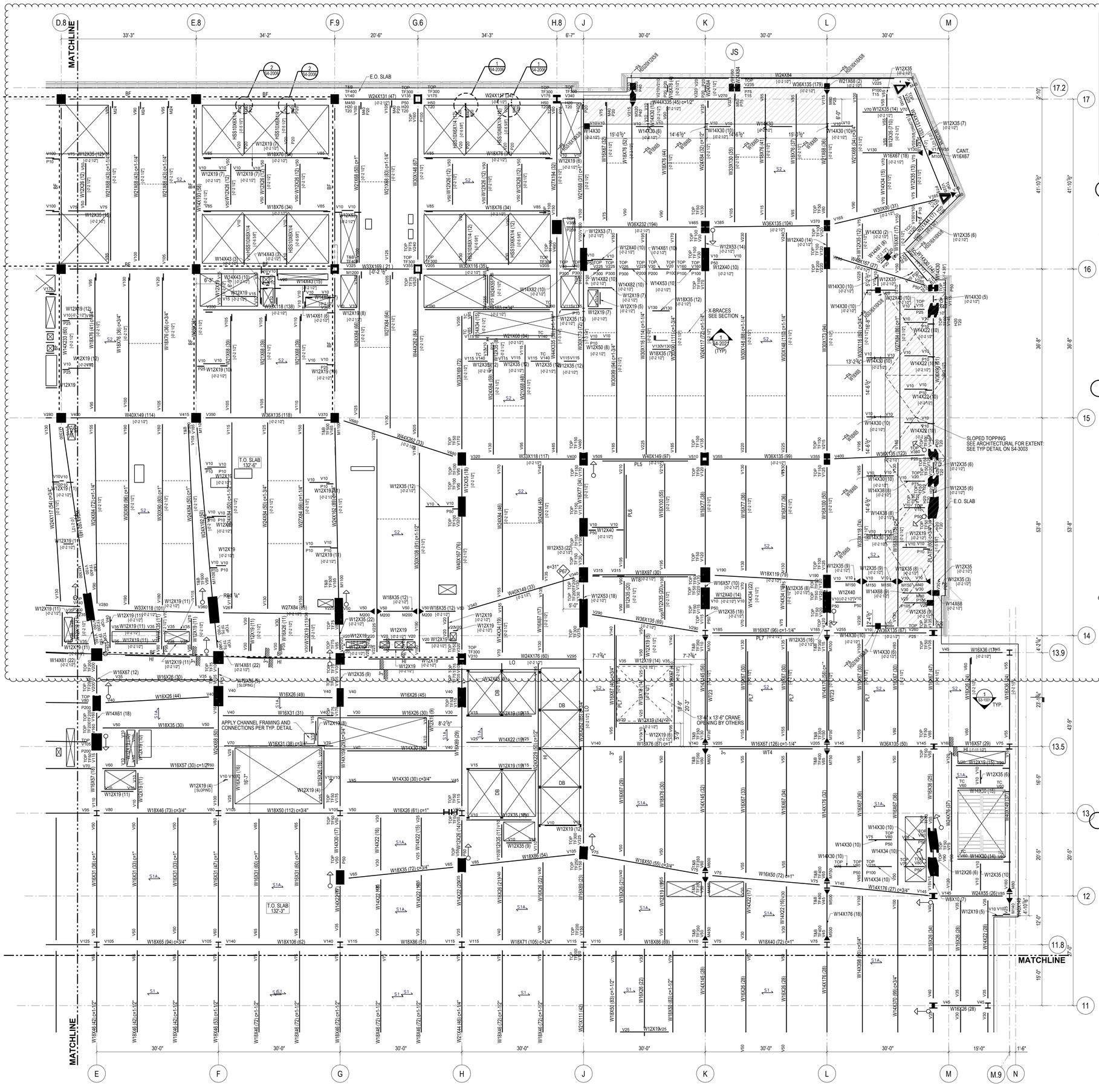

STEEL BEAM LEGEND

SIZE
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
MOMENT CONNECTION
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) c=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"] P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

- INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
- INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
- INDICATES FACTORED END AXIAL FORCE IN KIPS
- INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
- INDICATES TORSIONAL MOMENT IN KIP-FEET
- INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

1 STEEL BEAM LEGEND

NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 132'-3" UON THUS:
   - X' — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 131'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

15 TYPICAL SHEET NOTES

NOT TO SCALE

5. SYMBOLS:
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   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
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6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
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DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XYY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

13 TYPICAL SHEET NOTES (SYMBOLS)

NOT TO SCALE

WT1 & PL1 INDICATES BOTTOM FLANGE REINFORCEMENT WITH WT OR PLATE. SEE REINFORCEMENT SCHEDULE ON DRAWING S5-3005

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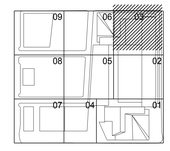
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-0603
Drawing Title

FLOOR FRAMING PLAN
06-SECTOR 03

Drawing Number
S1-0603
Kcon Drawing Number
S-163.01

SHEET 51 OF 443

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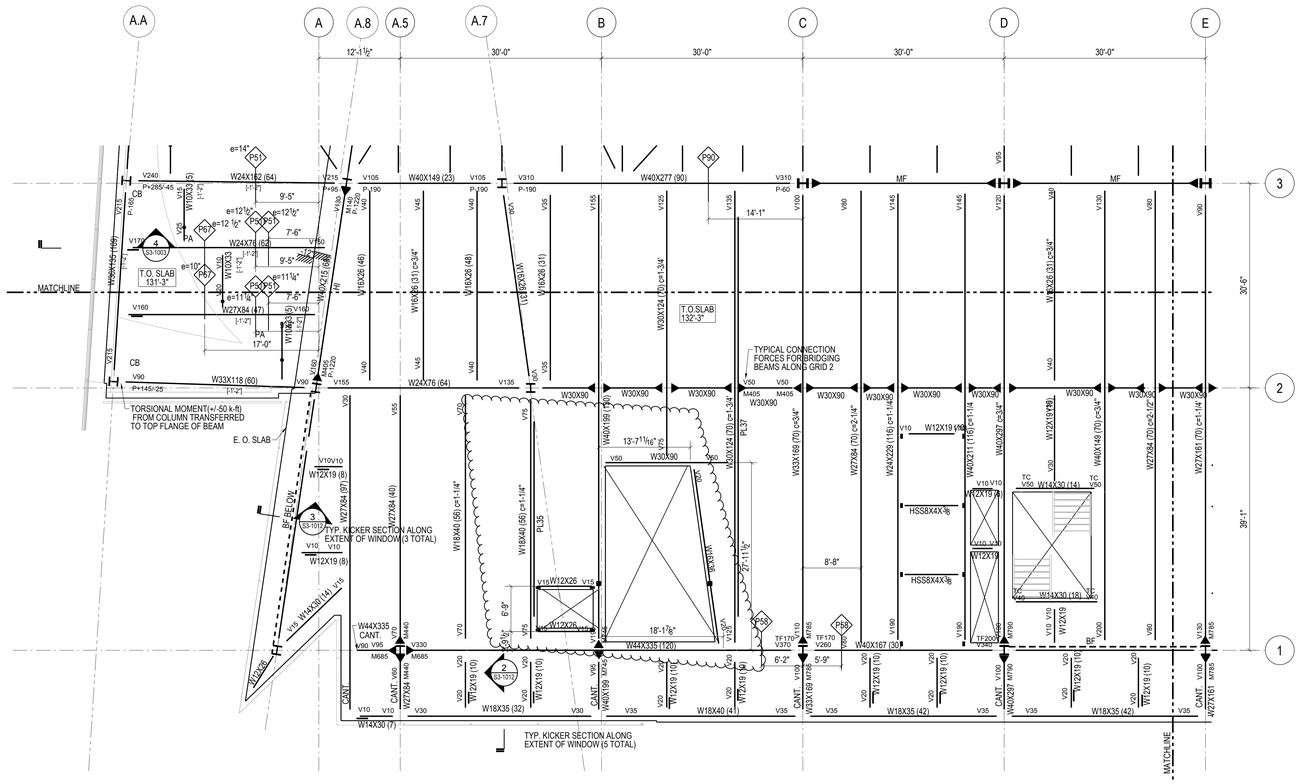
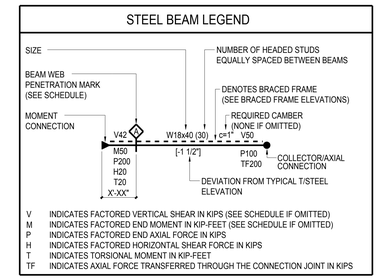


STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 132'-3" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 131'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR X.Y	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

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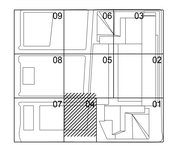
Key Plan



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Sheet Number

STATE OF NEW YORK — DANIEL J. DOLAN — 090 — LICENSED PROFESSIONAL ENGINEER

Drawing Title

HYE-TA-S1-0604

FLOOR FRAMING PLAN
06-SECTOR 04

Drawing Number
S1-0604
B-Scan Drawing Number
S-165.01

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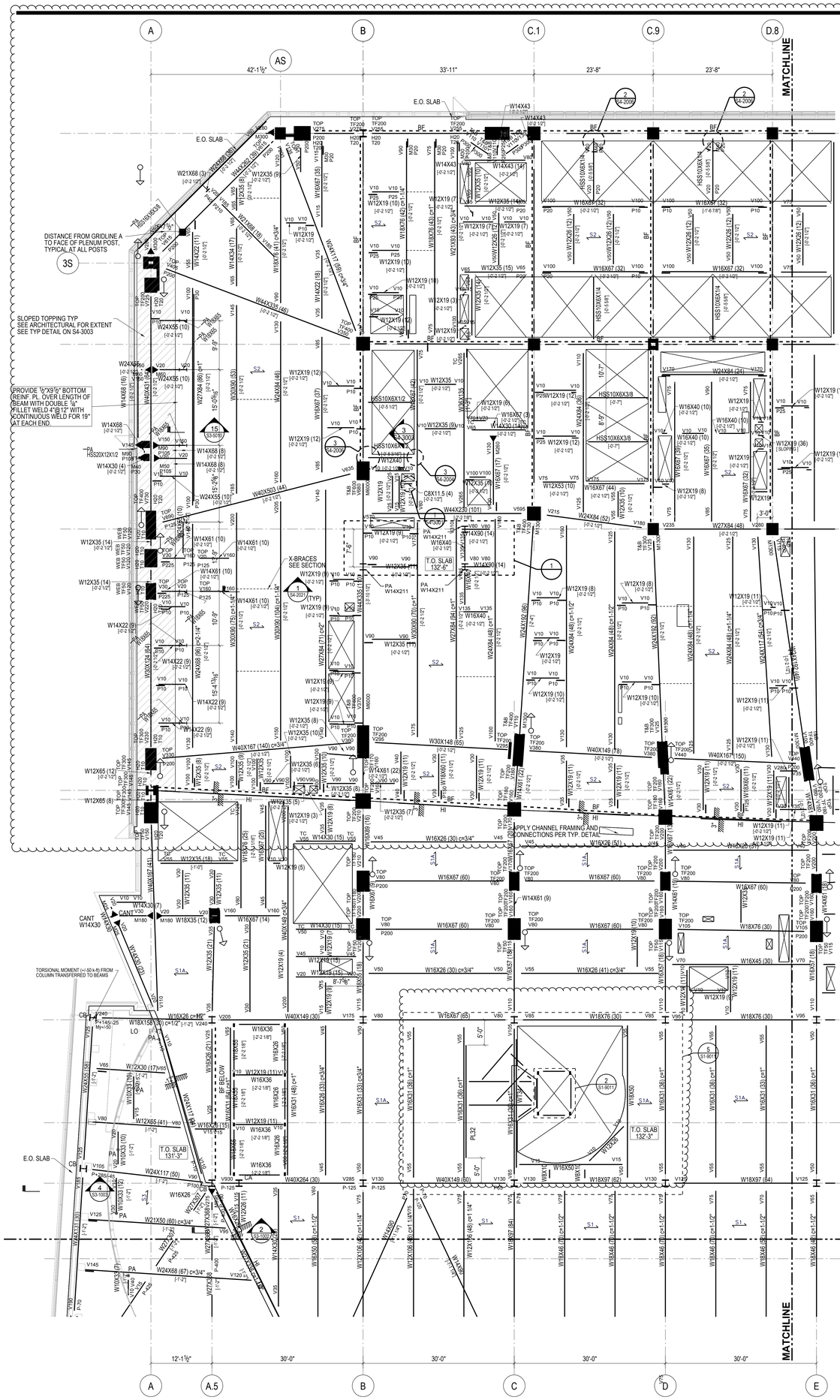

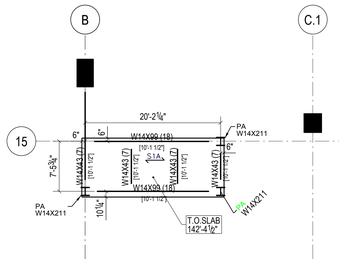

1 PART PLAN OF INTERMEDIATE STAIR LANDING AT T/STL=+141'-11"

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) C=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"]
P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 132'-3" UON THUS:
   X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 131'-9 1/2" UON
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TYPICAL SHEET NOTES
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TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XyY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2037
NYC Development Hub

0 4' 8' 16'

N

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
Kohn Pedersen Fox Associates
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
Thornton Tomasetti, Inc.
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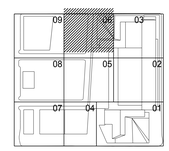
New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-0606
Drawing Title

FLOOR FRAMING PLAN
06-SECTOR 06

Drawing Number
S1-0606
Revision Drawing Number
S-167.01

SHEET 53 OF 443

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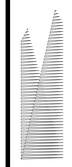
CAUTION: ALWAYS CHECK FOR ADDENDA Addenda Number
Work Order

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY



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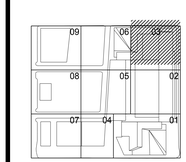

Issue Date	12/10/2014
Project No.	N11328.00
Drawn By	
Sheet Number	

Damien Titus
Under Rules and Regulations of the Commissioner
AMENDED APPLICATION
Date: 09/09/2022
NYC Development Hub

HYE-TA-S1-0703

Drawing Title

FLOOR FRAMING PLAN
07-SECTOR 03

Drawing Number
S1-0703
R-Scan Drawing Number
S-173.01

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STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND

NOT TO SCALE

SHEET NOTES:

T/STRUCTURAL SLAB EL+ 150'-3" UON THUS:
X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
T/STEEL EL+ 149'-9 1/2" UON
INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001

FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES

NOT TO SCALE

SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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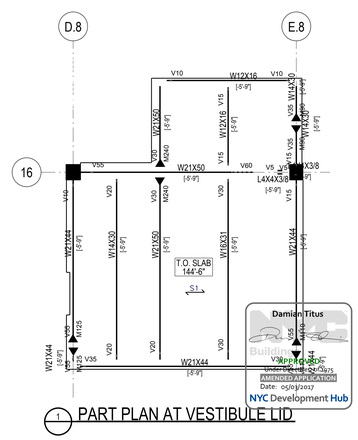
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)

NOT TO SCALE



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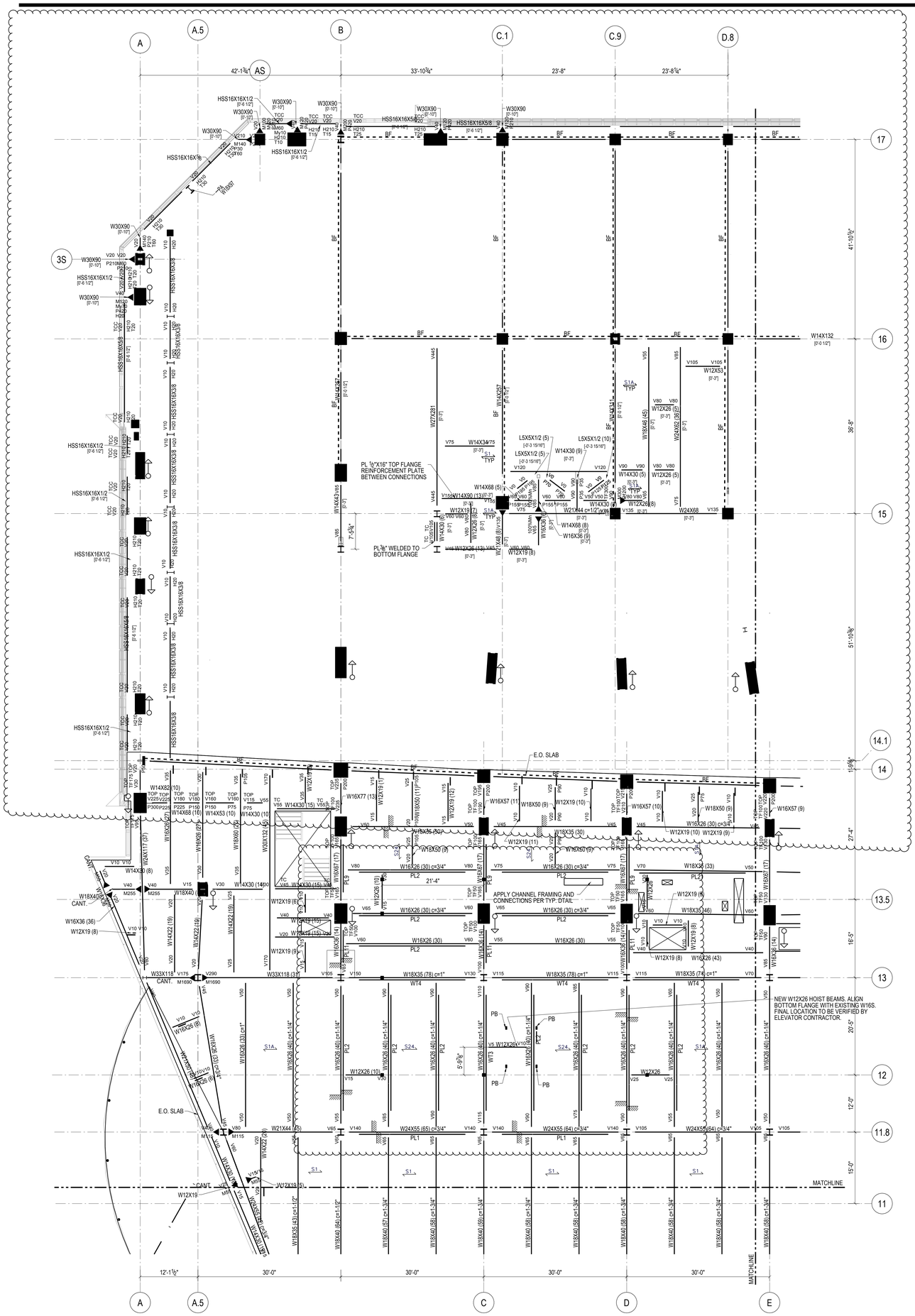
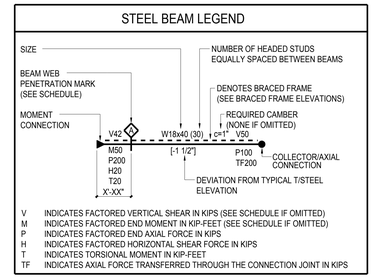


STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 150'-3" UON THUS:
   X' — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 149'-9 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

TENANT RETROFIT NOTATION:

WT1 & PL1	INDICATES BOTTOM FLANGE REINFORCEMENT WITH WT OR PLATE. SEE REINFORCEMENT SCHEDULE ON DRAWING S5-3005

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AUTHORIZED LOCATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

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No.	Description	Date
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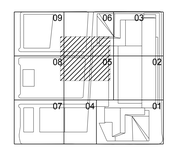
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — MICHAEL J. DOOLEY — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-0706
Drawing Title

FLOOR FRAMING PLAN
07-SECTOR 06

Drawing Number
S1-0706
N-Scan Drawing Number
S-176.01

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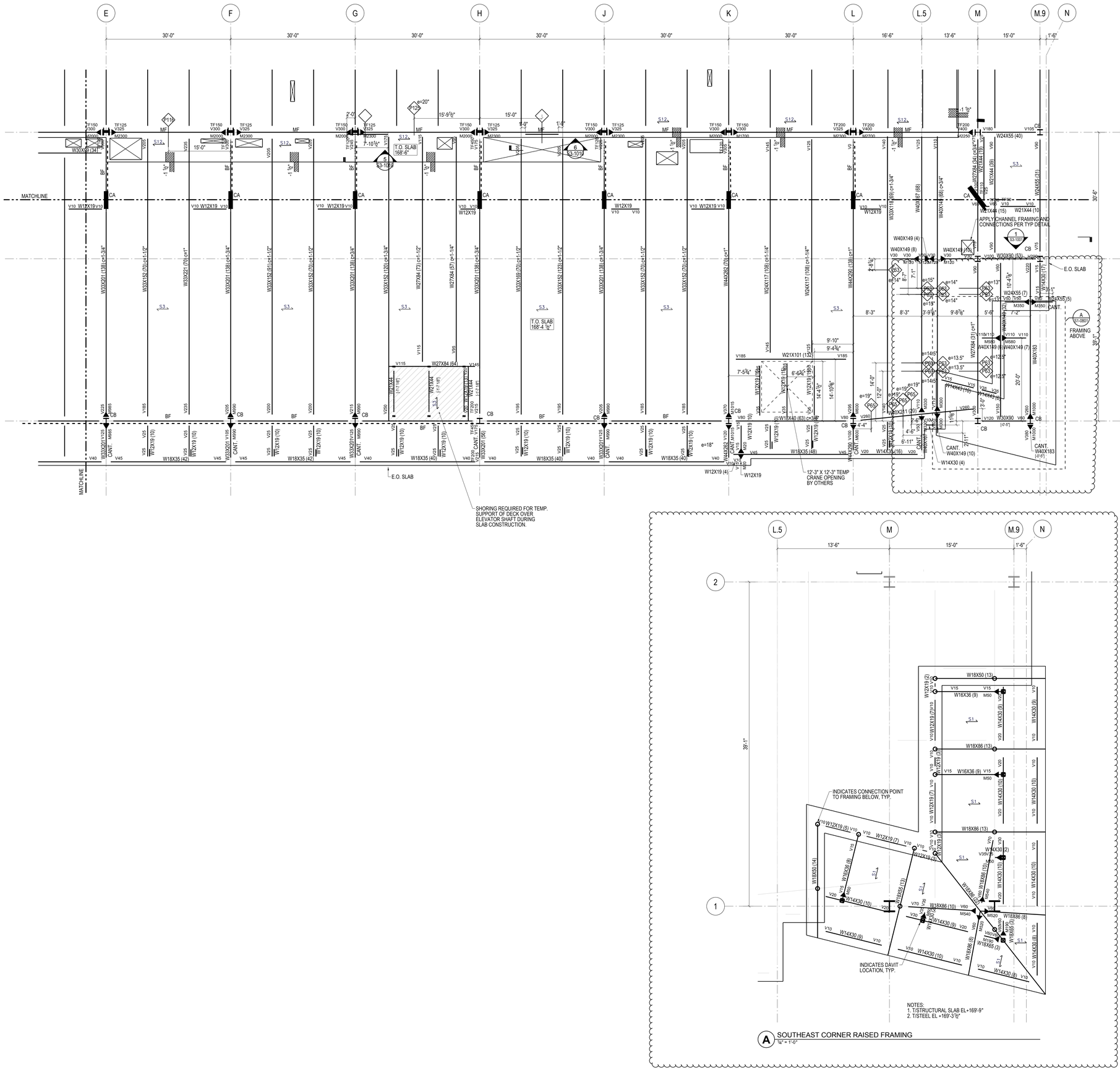
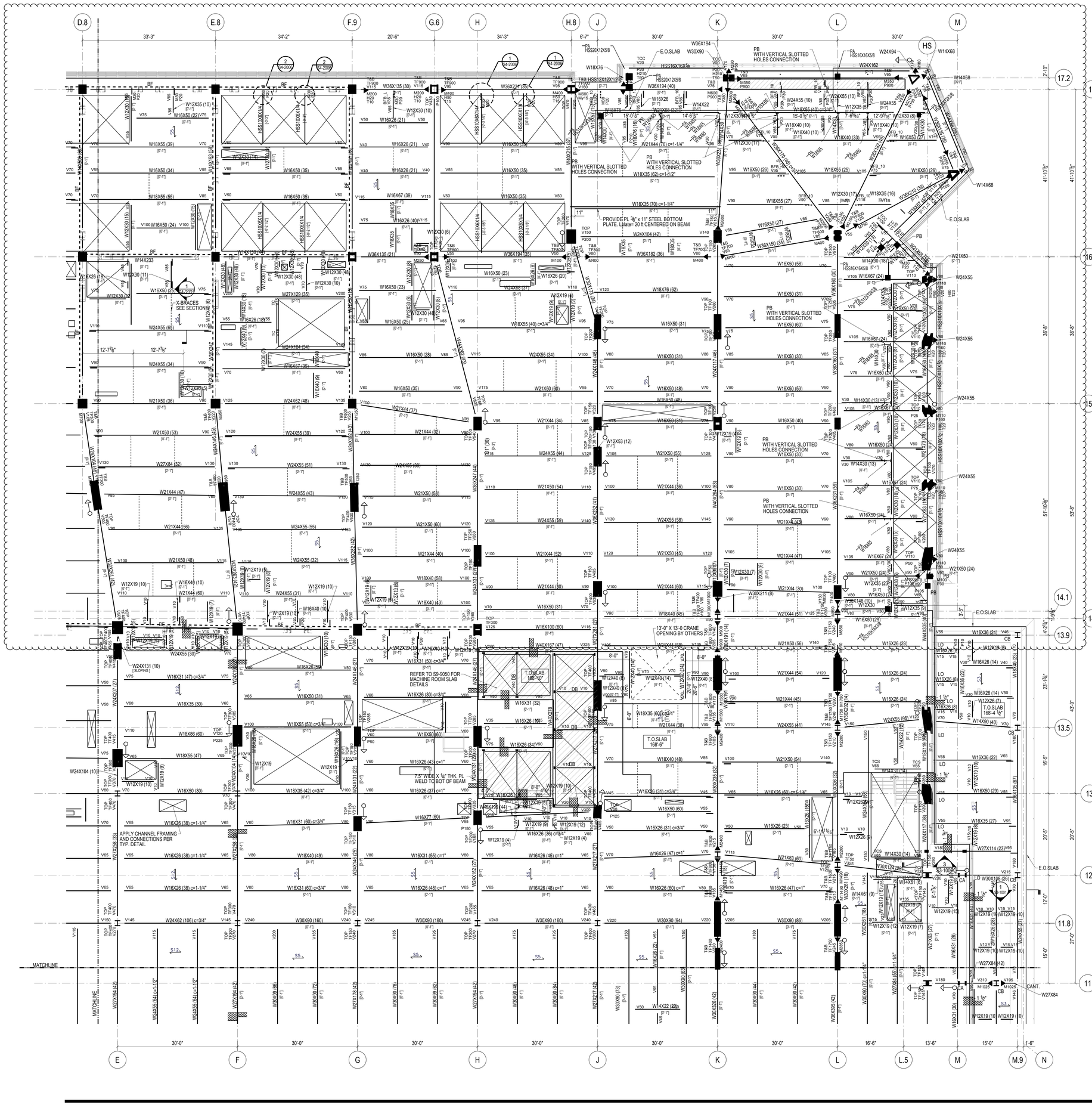
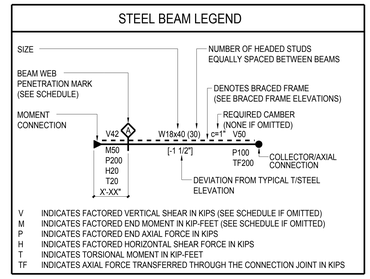

E
F
G
H
J
K
L
L.5
M
M.9
N
30'-0"
15'-0"
16'-6"
13'-6"
1'-6"
MATCHLINE
E.O.S. SLAB
T.O. SLAB 168'-6"
T.O. SLAB 168'-4 1/2"
W12X19
W18X35 (42)
W18X35 (40)
W18X35 (48)
W27X84 (64)
W21X101 (132)
W18X40 (63) c=3/4"
W12X19 (4)
W14X30 (16)
W14X30 (4)
W40X149 (10)
W40X149 (4)
W40X149 (8)
W40X149 (6)
W24X55 (40)
W24X55 (31)
W24X55 (7)
W24X55 (5)
W30X90 (53)
W30X90 (52)
W30X90 (51)
W30X90 (177)
W27X84 (33) c=1"
W27X84 (30)
W40X183
W40X183 [-0'-6"]
W14X30 (8)
W14X30 (10)
W14X30 (9)
W14X30 (7)
W14X30 (20)
W14X30 (5)
W14X30 [-0'-6"]
W30X90 [-0'-6"]
W30X90
W30X90 (7)
W30X90 (6)
W30X90 (5)
W30X90 (4)
W30X90 (3)
W30X90 (2)
W30X90 (1)
W24X117 (108) c=1-1/4"
W24X117 (68)
W24X131 (68) c=3/4"
W24X131 (68) c=1"
W24X131 (68) c=1-1/4"
W24X131 (68) c=1-3/4"
W24X131 (68) c=2"
W24X131 (68) c=2-1/4"
W24X131 (68) c=2-3/4"
W24X131 (68) c=3"
W24X131 (68) c=3-1/4"
W24X131 (68) c=3-3/4"
W24X131 (68) c=4"
W24X131 (68) c=4-1/4"
W24X131 (68) c=4-3/4"
W24X131 (68)

CAT:SD BARCODE:21185523 Job Number
21185523SD00 Main Order



STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 168'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 167'-9" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL SHEET NOTES (SYMBOLS)
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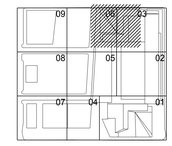

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
MECHANICAL ACCEPTANCE
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-0803
Drawing Title

FLOOR FRAMING PLAN
08-SECTOR 03

Drawing Number
S1-0803
S-Size Drawing Number
S-179.01

SHEET 57 OF 443

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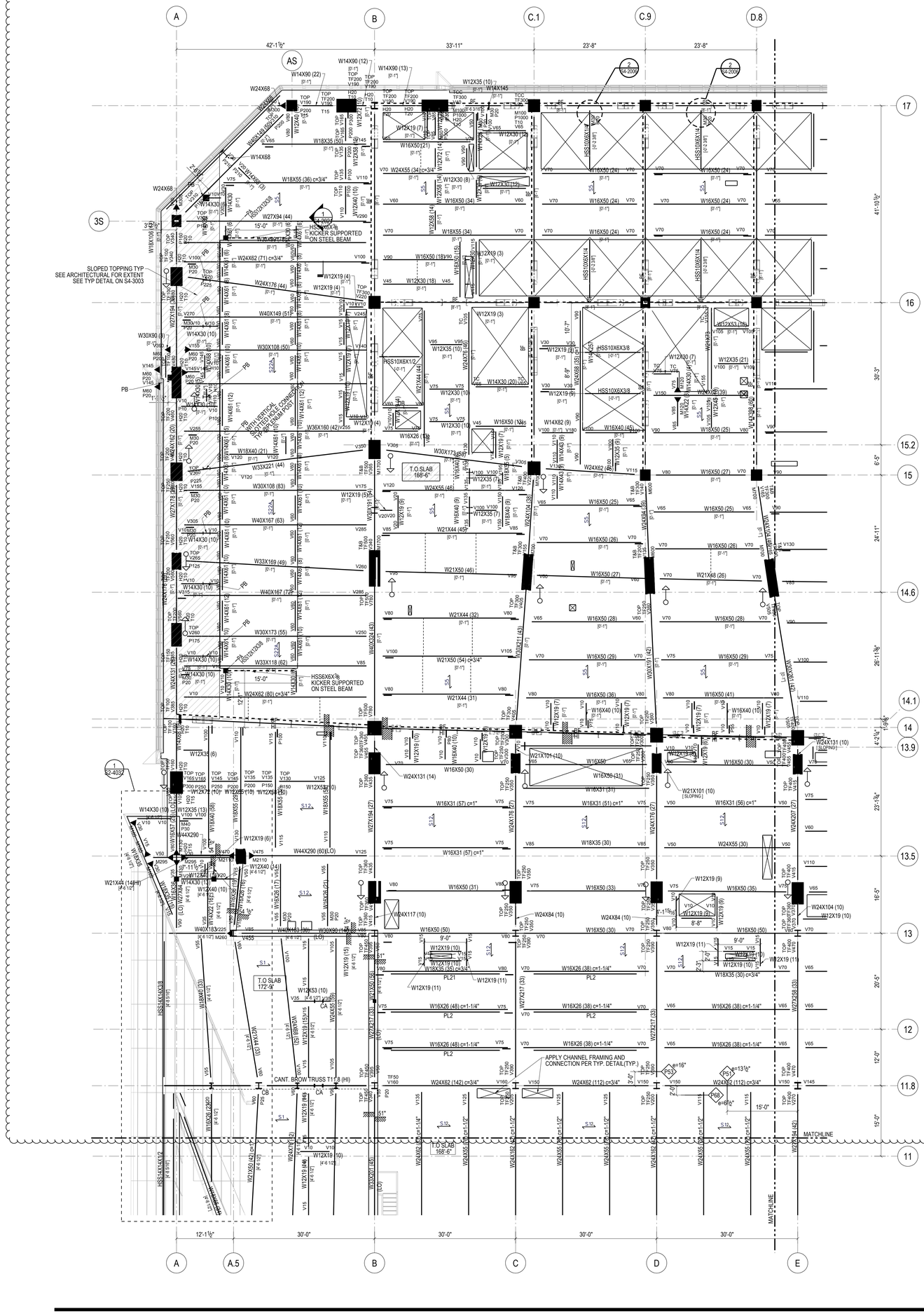
CAUTION: BLOCK OPTIMIZED Job Number
E1600029135 Sheet Number


A
B
C.1
C.9
D.8
AS
3S
A.5
E
42'-1½"
33'-11"
23'-8"
23'-8"
17
16
15.2
15
14.6
14.1
14
13.9
13.5
13
12
11.8
11
41'-10⅛"
30'-3"
6'-5"
24'-11"
26'-11⅜"
22'-1¾"
16'-5"
20'-5"
12'-0"
15'-0"
4'-2⅛"
15'-6"
T.O.SLAB 168'-6"
T.O.SLAB 172'-9"
SLOPED TOPPING TYP SEE ARCHITECTURAL FOR EXTENT SEE TYP DETAIL ON S4-3003
HSS6X6X⅜ KICKER SUPPORTED ON STEEL BEAM
HSS6X6X¼ KICKER SUPPORTED ON STEEL BEAM
SHORT VERTICAL SLOTTED HOLE CONNECTION TYP. BEAM POST
CANT. BROW TRUSS T11.8 (HI)
APPLY CHANNEL FRAMING AND CONNECTION PER TYP. DETAIL(TYP.)
MATCHLINE
MATCHLINE
W24X68
W14X90 (22)
W14X90 (12)
W14X90 (13)
W12X35 (10)
W14X145
W14X68
W18X35 (50)
W18X55 (36) c=3/4"
W27X94 (44)
W24X62 (71) c=3/4"
W24X176 (44)
W40X149 (51)
W30X90 (3)
W14X30 (10)
W30X108 (50)
W36X160 (42)
W18X40 (21)
W33X221 (44)
W30X108 (83)
W12X19 (5)
W40X167 (63)
W33X169 (49)
W30X173 (55)
W33X118 (62)
W24X62 (80) c=3/4"
W44X290 (60)(LO)
W40X183 (39)
W30X90 (14)
W24X62 (71)
W12X53 (16)
W24X62 (39)
W16X26 (33)
W24X62 (46)
W21X44 (45)
W21X50 (46)
W21X44 (32)
W21X50 (54) c=3/4"
W21X44 (31)
W24X131 (14)
W16X50 (30)
W21X101 (10)
W16X50 (31)
W24X62 (142) c=3/4"
W24X62 (112) c=3/4"
W24X131 (10)
W12X15 (4)
W12X19 (3)
W12X30 (20)
W12X30 (10)
W16X50 (13)
W14X82 (9)
W16X40 (45)
W12X35 (21)
W12X30 (7)
W24X68 (35)
W16X50 (25)
W16X50 (27)
W16X50 (25)
W16X50 (26)
W21X48 (26)
W16X50 (28)
W16X50 (29)
W16X50 (36)
W16X50 (41)
W16X40 (10)
W12X19 (7)
W16X50 (30)
W16X50 (24)
W16X50 (34)
W18X55 (34)
W12X30 (8)
W12X30 (12)
W12X19 (4)
W16X50 (18)
W12X30 (18)
W12X19 (9)
W16X50 (31)
W24X84 (10)
W16X50 (33)
W24X117 (10)
W16X50 (50)
W16X50 (30)
W12X19 (10)
W16X26 (38) c=1-1/4"
W16X26 (48) c=1-1/4"
W16X50 (35)
W24X104 (10)
W12X19 (11)
W18X35 (30) c=3/4"
W16X31 (57) c=1"
W16X31 (51) c=1"
W16X31 (56) c=1"
W18X35 (30)
W24X55 (30)
W16X31 (31)
W24X84 (9)
W24X84 (8)
W12X19 (6)
W12X19 (8)
W12X19 (15)
W24X55 (58)
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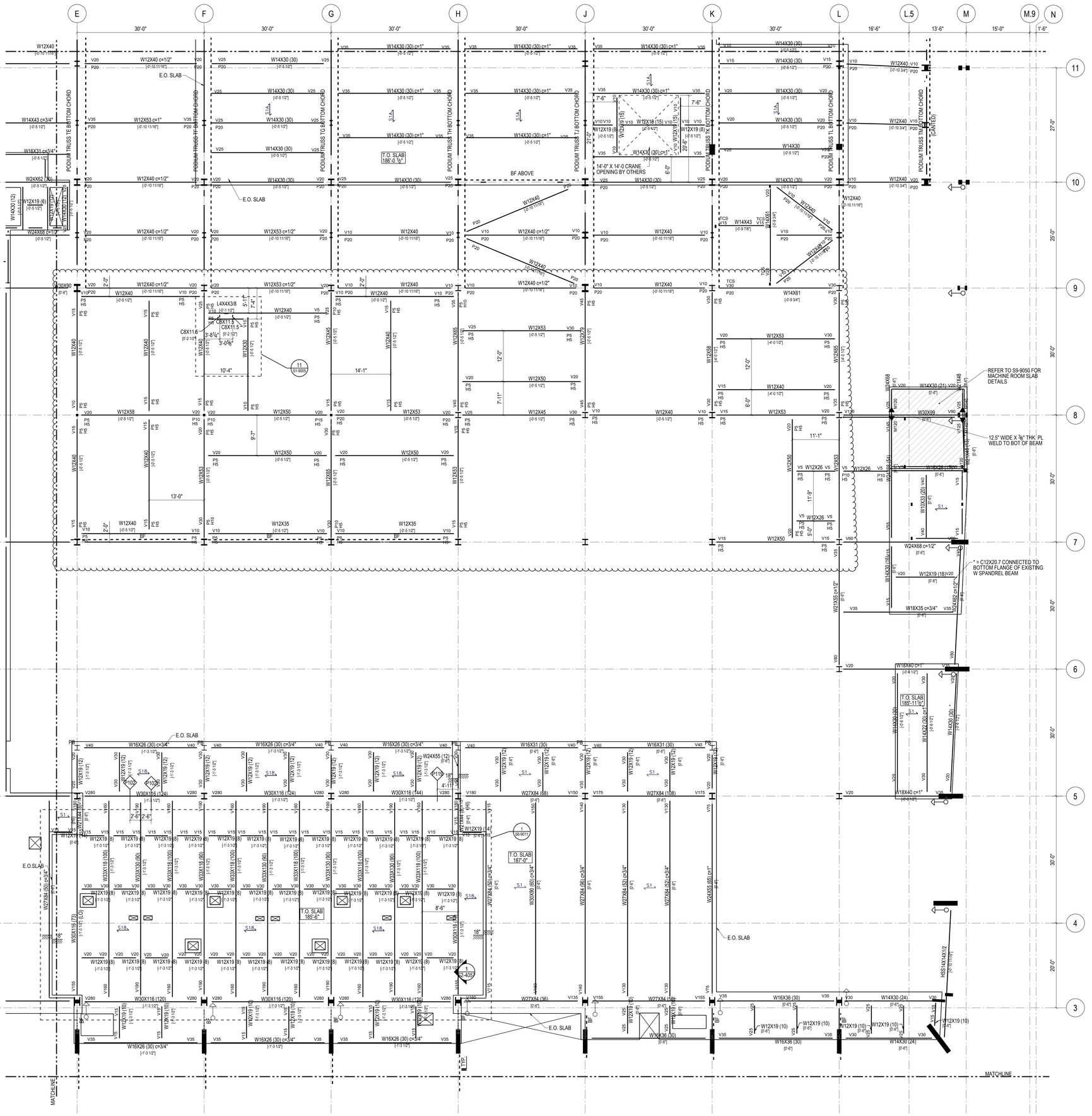
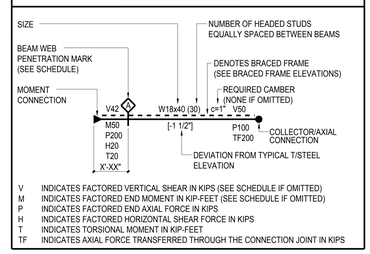
W24X207 (122)
W24X207



STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 186'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 186'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
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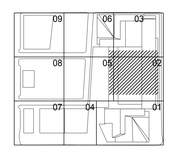
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
DOB Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2022
NYC Development Hub

HYE-TA-S1-0902
Drawing Title

FLOOR FRAMING PLAN 09-SECTOR 02

Drawing Number
S1-0902
X-Scan Drawing Number
S-185.01

SHEET 59 OF 443

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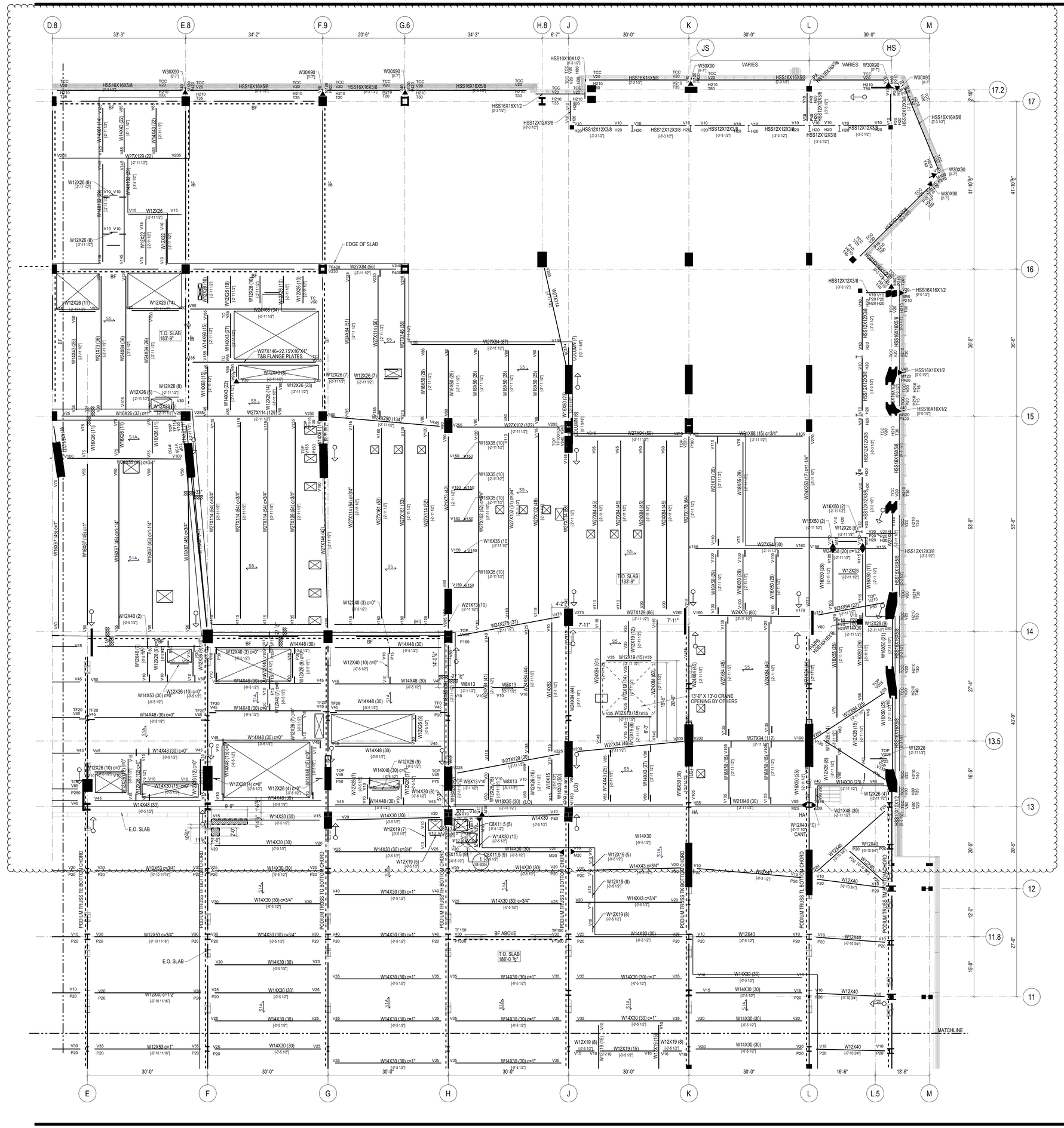

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W16x40 (30) c=1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"] P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 186'-6" UON THUS: X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 186'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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500 WEST 33RD STREET
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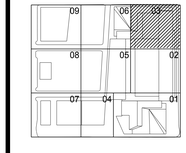
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

HYE-TA-S1-0903L
Drawing Title

FLOOR FRAMING PLAN 09-SECTOR 03

Drawing Number
S1-0903L
B-Scan Drawing Number
S-186.01

SHEET 60 OF 443

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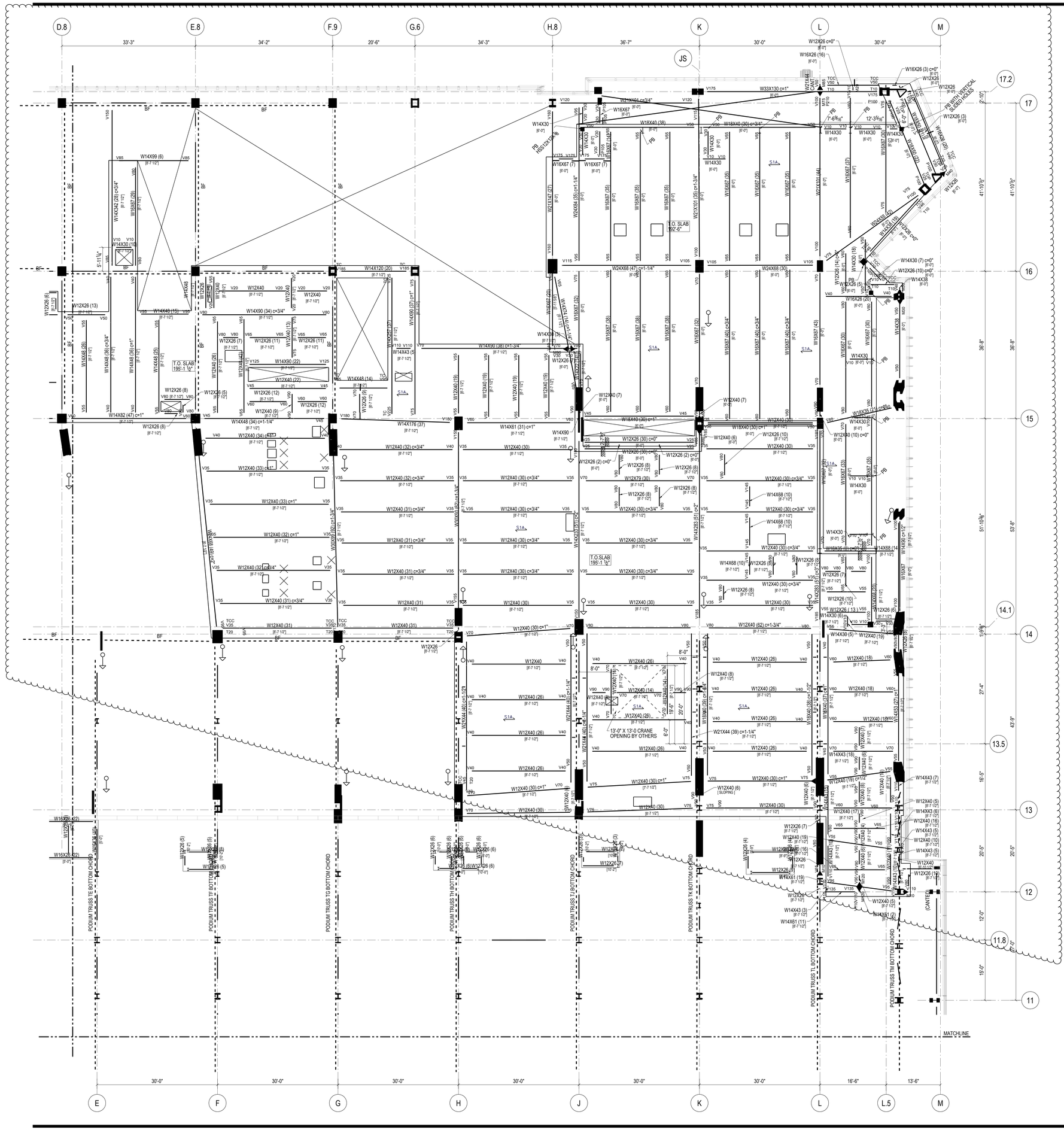

STEEL BEAM LEGEND

SIZE

NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS

BEAM WEB PENETRATION MARK (SEE SCHEDULE)

DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)

MOMENT CONNECTION

REQUIRED CAMBER (NONE IF OMITTED)

V42 | W16x40 (30) | c=1" | V50

M50 P200 H20 T20 X'-XX" | [-1 1/2"] | P100 TF200

COLLECTOR/AXIAL CONNECTION

DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
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T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 186'-6" UON THUS:
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TYPICAL SHEET NOTES
NOT TO SCALE

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BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
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TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
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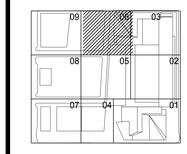

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Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ACTING COMMISSIONER
Date: 09/03/2017
NYC Development Hub

HYE-TA-S1-0903U
Drawing Title

FLOOR FRAMING PLAN
09-SECTOR 03

Drawing Number
S1-0903U
D-Scan Drawing Number
S-187.01

SHEET 61 OF 443

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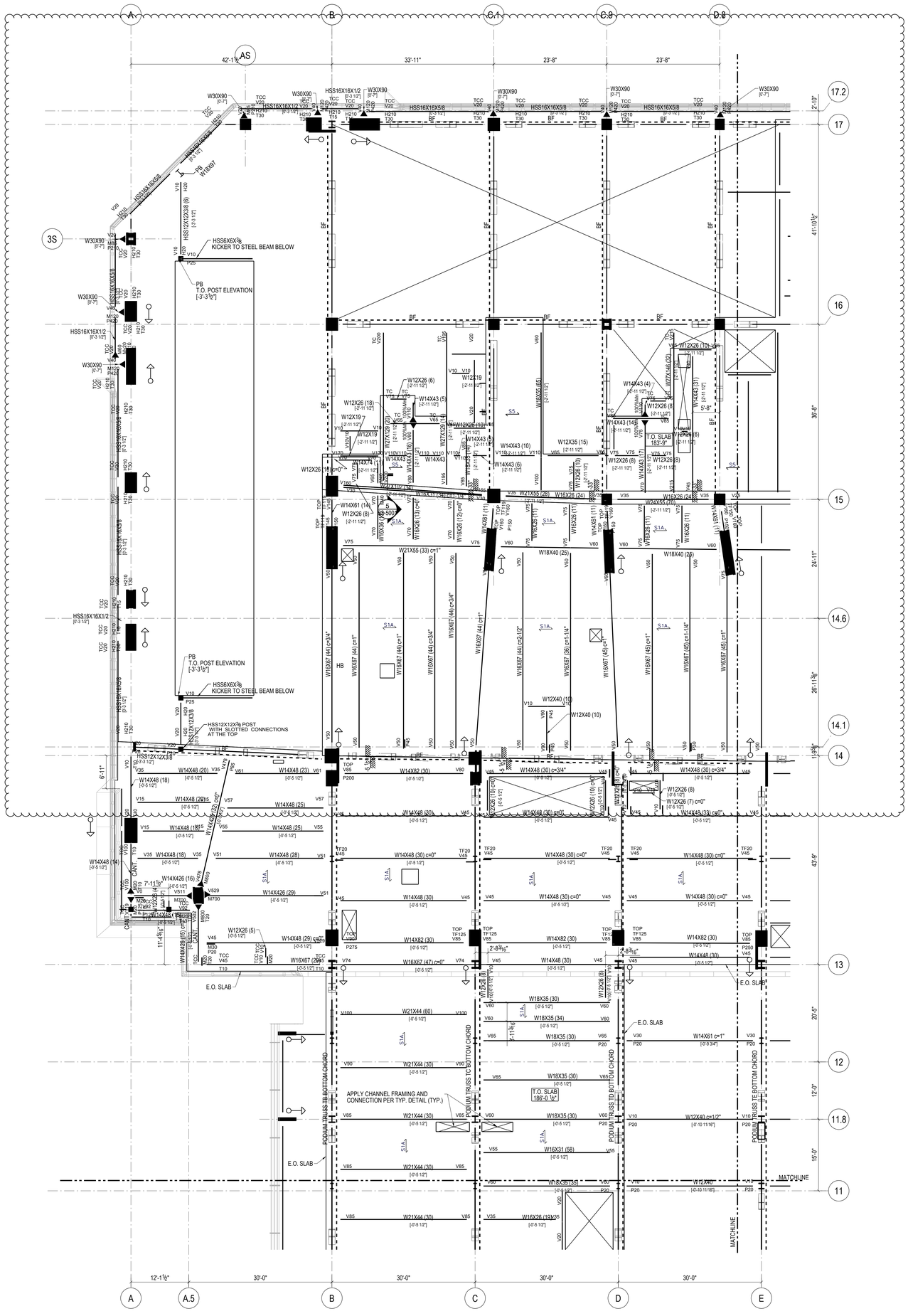
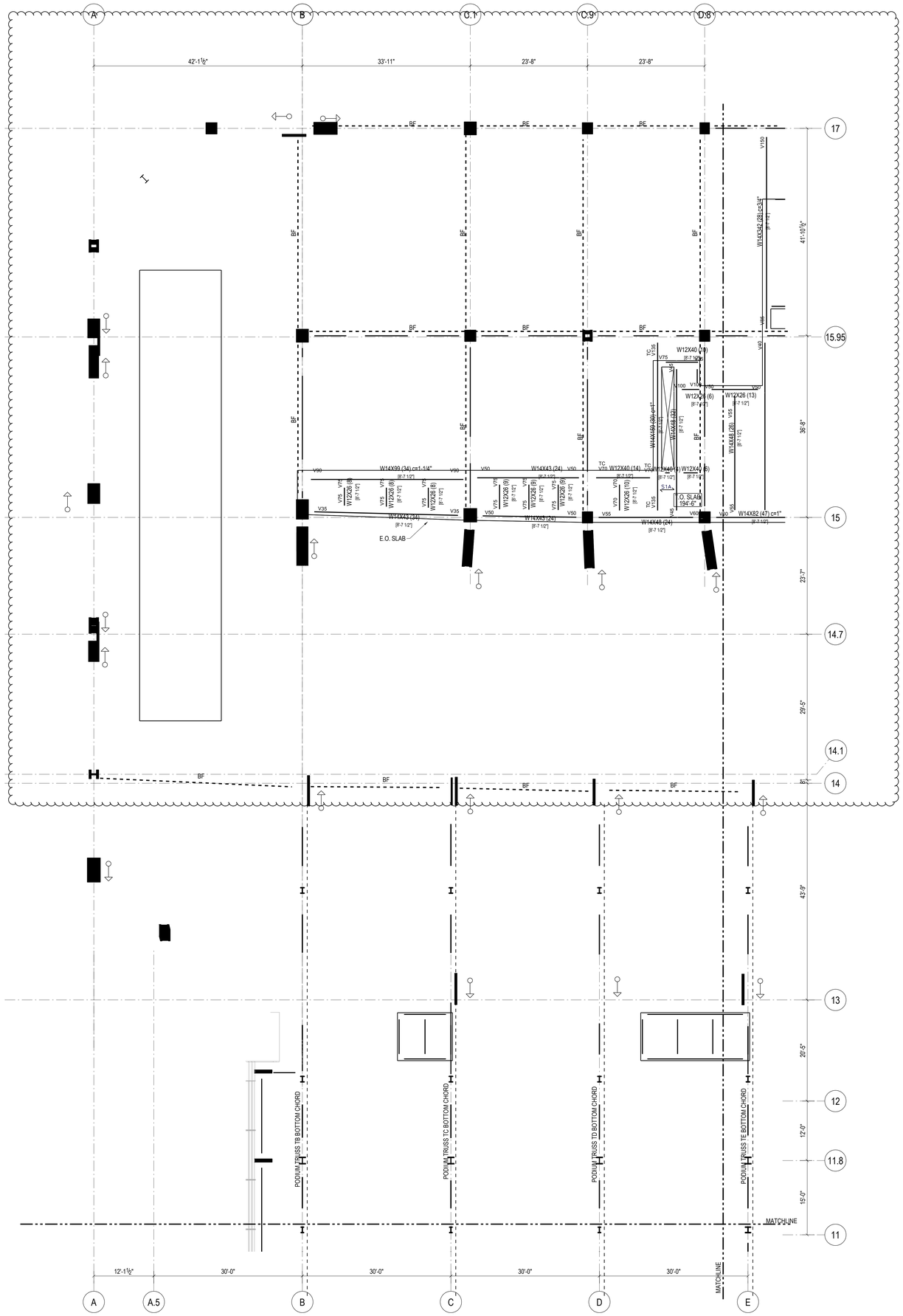
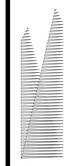

A
B
C.1
C.9
D.8
AS
A.5
42'-1½"
33'-11"
23'-8"
23'-8"
17.2
17
16
15
14.6
14.1
14
13
12
11.8
11
2'-10"
41'-10½"
36'-8"
5'-8"
24'-11"
26'-11⅜"
11'-9⅝"
6'-11"
43'-9"
26'-5"
12'-0"
15'-0"
3S
W30X90 [0'-7"]
HSS16X16X1/2 [0'-3 1/2"]
HSS16X16X5/8 [0'-5 1/4"]
HSS12X12X3/8 (6) [-3 1/2"]
HSS6X6X3/8 KICKER TO STEEL BEAM BELOW
PB T.O. POST ELEVATION [-3'-3½"]
HSS12X12X3/8 POST WITH SLOTTED CONNECTIONS AT THE TOP
W18X97
W12X26 (6) [-2'-11 1/2"]
W12X19 [-2'-11 1/2"]
W12X26 (18) [-2'-11 1/2"]
W14X43 (5) [-2'-11 1/2"]
W12X26 (14) [-2'-11 1/2"]
W12X35 (15) [-2'-11 1/2"]
W14X43 (10)
W14X43 (6) [-2'-11 1/2"]
W12X26 (15) c=0"
W14X61 (14)
W12X26 (8) [-2'-11 1/2"]
W14X43 (4) [-2'-11 1/2"]
W14X43 (14) [-2'-11 1/2"]
W12X26 (10) [-2'-11 1/2"]
W12X26 (16) [-2'-11 1/2"]
T.O. SLAB 183'-9"
W12X26 (24)
W21X55 (28)
W21X55 (33) c=1"
W18X40 (25)
W18X40 (29)
W14X61 (11)
W18X26 (11)
W18X26 (12) c=0"
W18X26 (13) c=0"
W16X67 (44) c=3/4"
W16X67 (44) c=1"
W16X67 (44) c=2 1/2"
W16X67 (45) c=1 1/4"
W16X67 (45) c=1"
W12X40 (10)
W14X48 (20) [-0'-5 1/2"]
W14X48 (18) [-0'-5 1/2"]
W14X48 (20) c=1"
W14X48 (23) [-0'-5 1/2"]
W14X48 (25) [-0'-5 1/2"]
W14X48 (18) [-0'-5 1/2"]
W14X48 (28) [-0'-5 1/2"]
W14X48 (29) c=0"
W14X48 (30) [-0'-5 1/2"]
W14X48 (30) c=0"
W14X48 (30) c=3/4"
W14X48 (33) c=0"
W14X48 (14)
W14X426 (16) [-0'-5 1/2"]
W14X426 (29) [-0'-5 1/2"]
W14X426 (45) [-0'-5 1/2"]
W12X26 (5)
W16X67 (29) [-0'-5 1/2"]
W14X82 (30) [-0'-5 1/2"]
W16X67 (47) c=0"
W12X26 (7) c=0" [-0'-5 1/2"]
W12X26 (8) [-0'-5 1/2"]
W12X26 (10) c=0"
W18X35 (30) [-0'-5 1/2"]
W18X35 (34) [-0'-5 1/2"]
W18X35 (30)
W14X61 c=1" [-0'-9 3/4"]
W21X44 (60) [-0'-5 1/2"]
W21X44 (30) [-0'-5 1/2"]
W18X35 (30) [-0'-5 1/2"]
W12X40 c=1/2" [-0'-10 11/16"]
W16X31 (58) [-0'-5 1/2"]
W16X26 (10)
W16X26 (8)
W16X26 (11)
W16X26 (24)
W24X55 (28)
W12X40 (10)
W12X40 (10) c=0"
W14X48 (30) c=0" [-0'-5 1/2"]
W14X48 (33) c=0" [-0'-5 1/2"]
W14X48 (30) [-0'-5 1/2"]
W14X48 (30) c=3/4" [-0'-5 1/2"]
W14X48 (30) c=1" [-0'-5 1/2"]
W14X48 (30) c=0" [-0'-5 1/2"]
W14X48 (30) c=0" [-0'-5 1/2"]
W14X48 (30) c=0



HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY



Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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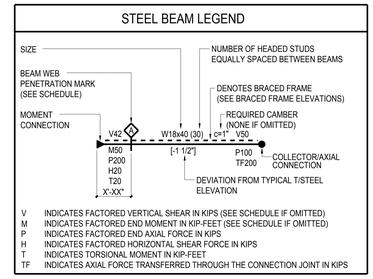
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

STEEL BEAM LEGEND

NOT TO SCALE



SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 186'-6" UON THUS:
   X' — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 186'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES

NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

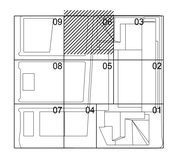
CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)

NOT TO SCALE

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
DOB Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-0906U

Drawing Title

FLOOR FRAMING PLAN 09-SECTOR 06

Drawing Number S1-0906U
B-Scan Drawing Number S-190.01

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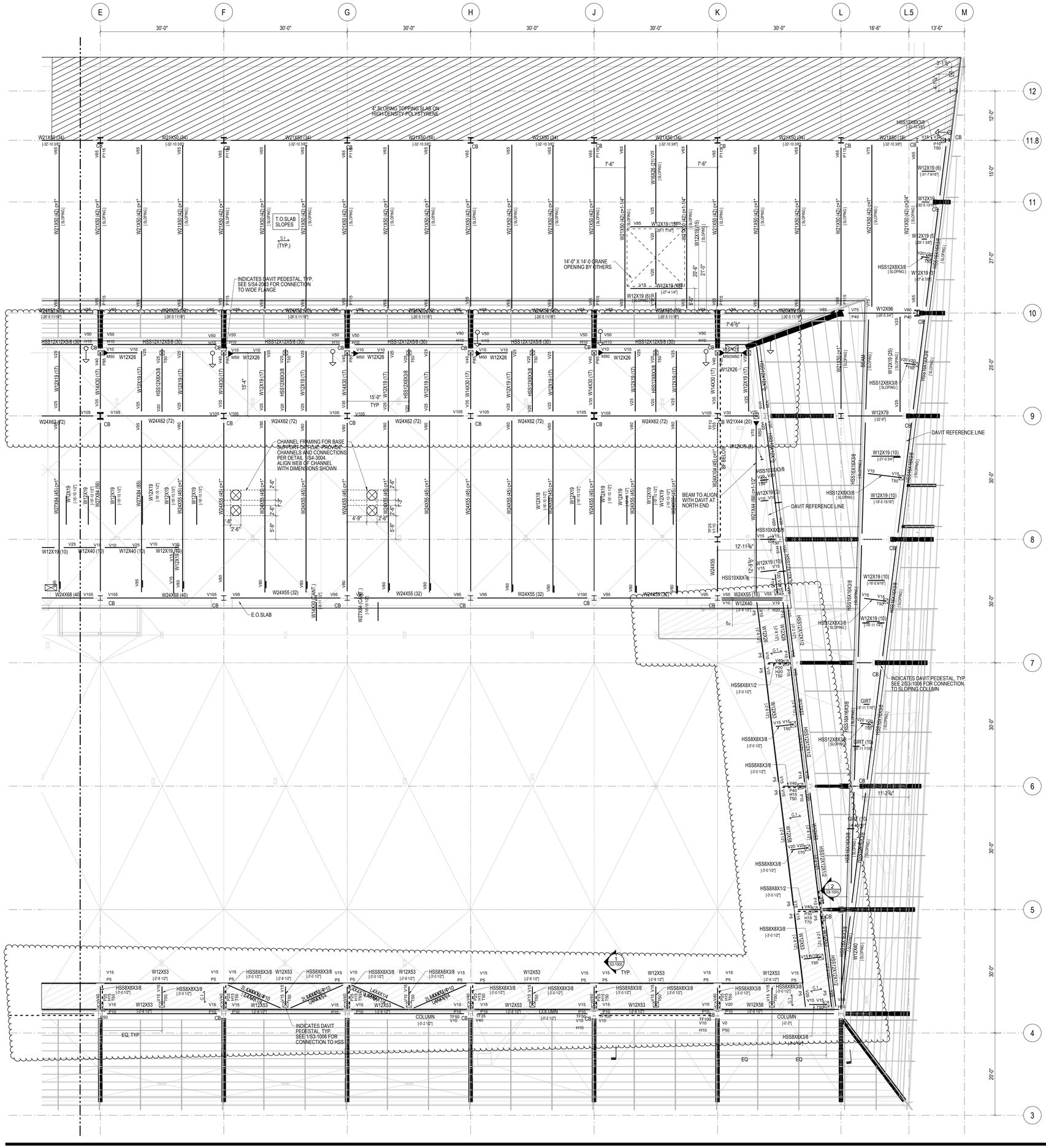
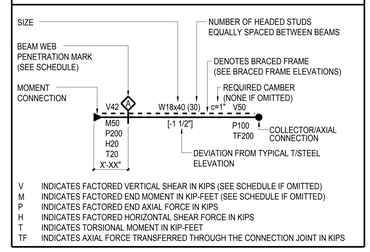
CAT:QC BARCODE:27139525 Job Number
E39953G0099 Main Date



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 240'-2" UON THUS:
   X' - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 239'-8 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - UP INDICATES SLOPE IN TOP OF SLAB
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   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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New York, NY 10022
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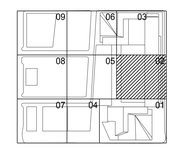
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK
MICHAEL J. COSTA
079911
LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-RF02
Drawing Title

FLOOR FRAMING PLAN
RF-SECTOR 02

Drawing Number
S1-RF02
B-Scan Drawing Number
S-191.01

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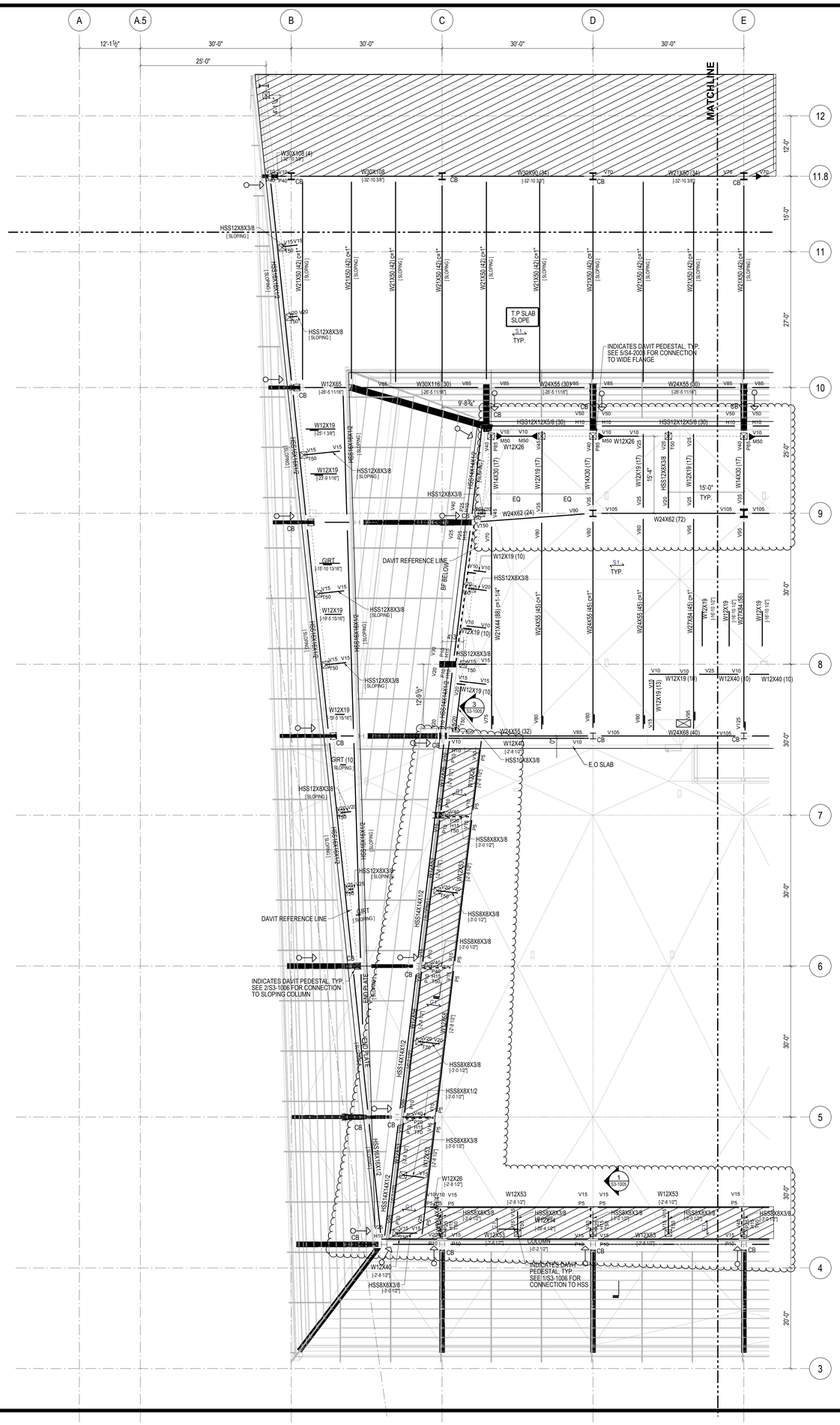
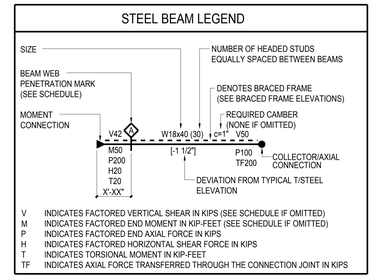


STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

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NOT TO SCALE

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BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

N

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN T. TITUS — LICENSED PROFESSIONAL ENGINEER

Drawing Title

HYE-TA-S1-RF05

FLOOR FRAMING PLAN
RF-SECTOR 05

Drawing Number
S1-RF03
X-Scan Drawing Number
S-192.01

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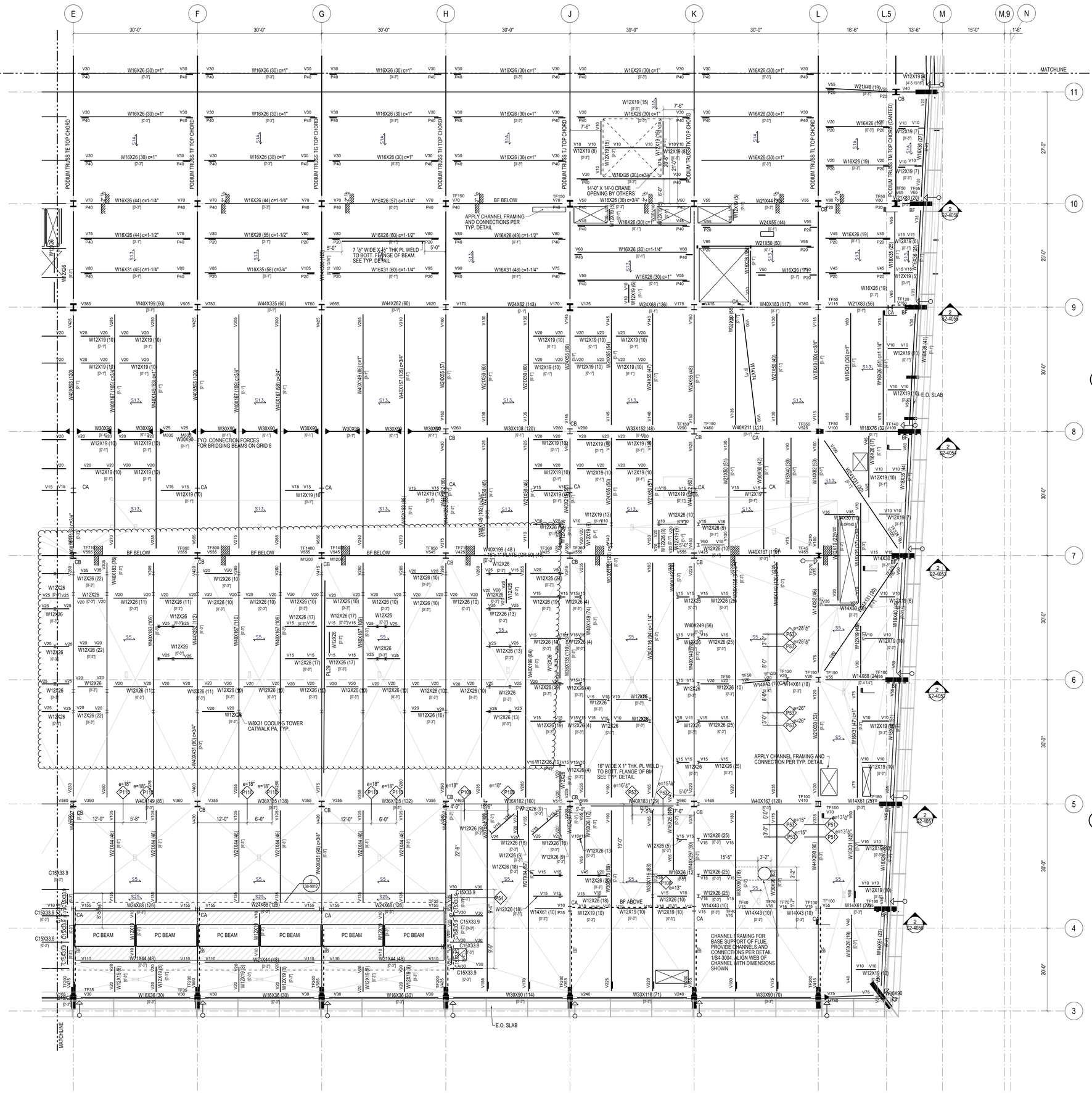
CAT 02 BLDG 0731R0625 Job Number
B1000S0000 Base Data


E
F
G
H
J
K
L
L.5
M
M.9
N
30'-0"
16'-6"
13'-6"
15'-0"
1'-6"
MATCHLINE
11
10
9
8
7
6
5
4
3
27'-0"
25'-0"
30'-0"
20'-0"
PODIUM TRUSS TE TOP CHORD
PODIUM TRUSS TF TOP CHORD
PODIUM TRUSS TG TOP CHORD
PODIUM TRUSS TH TOP CHORD
PODIUM TRUSS TJ TOP CHORD
PODIUM TRUSS TK TOP CHORD
PODIUM TRUSS TL TOP CHORD
PODIUM TRUSS TM TOP CHORD (CANTED)
W16X26 (30) c=1"
W16X26 (44) c=1-1/4"
W16X26 (57) c=1-1/4"
W16X26 (60) c=1-1/2"
W16X26 (49) c=1-1/2"
W16X26 (30) c=3/4"
W16X26 (30) c=1-1/4"
W16X31 (60) c=1-1/4"
W16X31 (48) c=1-1/4"
W16X26 (44) c=1-1/2"
W16X26 (55) c=1-1/2"
W18X35 (58) c=3/4"
W24X55 (60)
W24X55 (54)
W24X55 (47)
W24X55 (48)
W24X55 (57)
W24X55 (50)
W24X55 (68)
W24X55 (46)
W24X55 (41)
W24X55 (49)
W24X55 (45)
W24X55 (60)
W24X55 (55)
W24X55 (65)
W24X55 (62)
W24X55 (76)
W24X55 (84)
W24X55 (94)
W24X55 (103)
W24X55 (110)
W24X55 (117)
W24X55 (120)
W24X55 (126)
W24X55 (131)
W24X55 (135)
W24X55 (139)
W24X55 (142)
W24X55 (146)
W24X55 (150)
W24X55 (153)
W24X55 (156)
W24X55 (158)
W24X55 (160)
W24X55 (161)
W24X55 (162)
W24X55 (163)
W24X55 (164)
W24X55 (165)
W24X55 (166)
W24X55 (167)
W24X55 (168)
W24X55 (169)
W24X55 (170)
W24X55 (171)
W24X55 (172)
W24X55 (173)
W24X55 (174)
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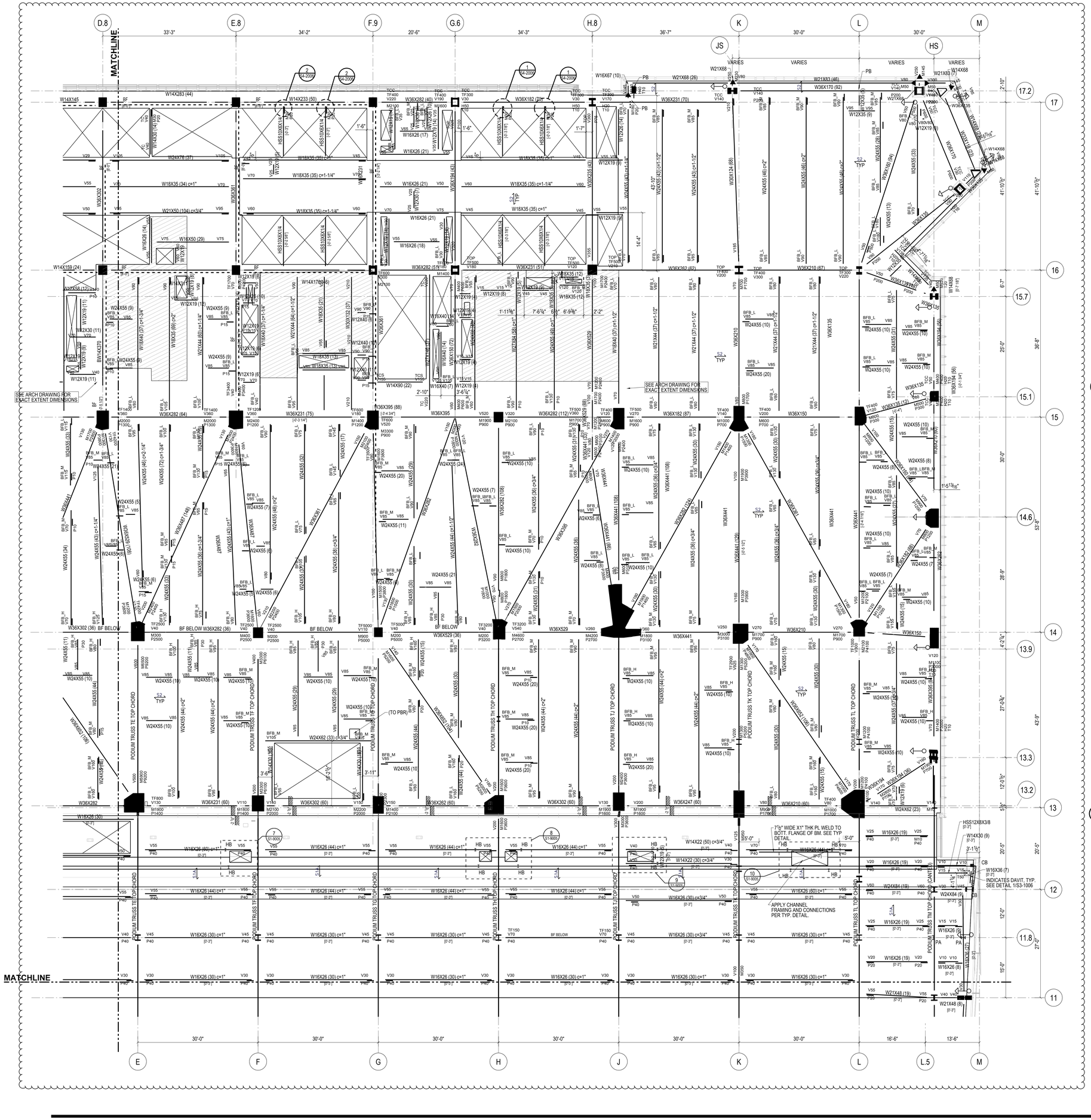
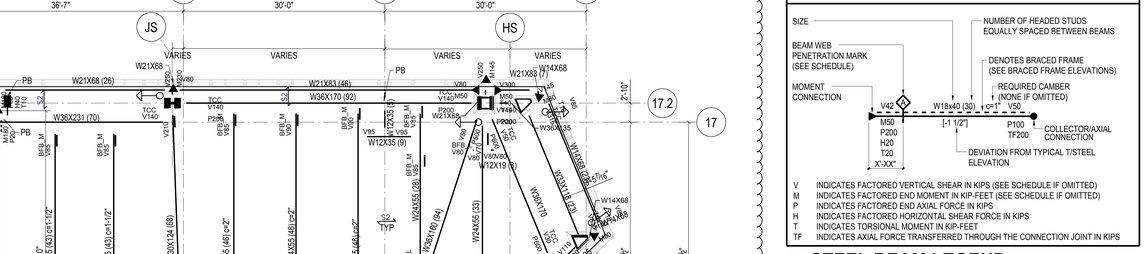
W24X55 (177)
W24X55 (178)
W24X55 (179)
W24X55



STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 204'-6" UON THUS:
   X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 203'-7" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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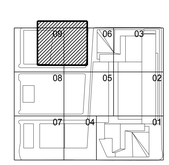
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-1003
Drawing Title

FLOOR FRAMING PLAN
10-SECTOR 03

Drawing Number
S1-1003
B-Scan Drawing Number
S-201.01

SHEET 65 OF 443

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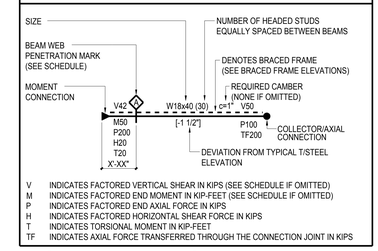
STEEL BEAM LEGEND



STEEL BEAM LEGEND

NOT TO SCALE

SHEET NOTES:

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2. T/STEEL EL+ 203'-7" UON
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DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
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STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES

NOT TO SCALE

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TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)

NOT TO SCALE

TENANT RETROFIT NOTATION:

WTI & PL1	INDICATES BOTTOM FLANGE REINFORCEMENT WITH WT OR PLATE. SEE REINFORCEMENT SCHEDULE ON DRAWING S5-3005

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2002
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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Elkus-Manfredi
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No.	Description	Date
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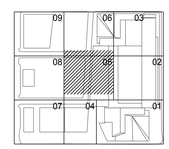
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — 030 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-1005

Drawing Title

FLOOR FRAMING PLAN
10-SECTOR 05

Drawing Number
S1-1005
X-Scan Drawing Number
S-202.01

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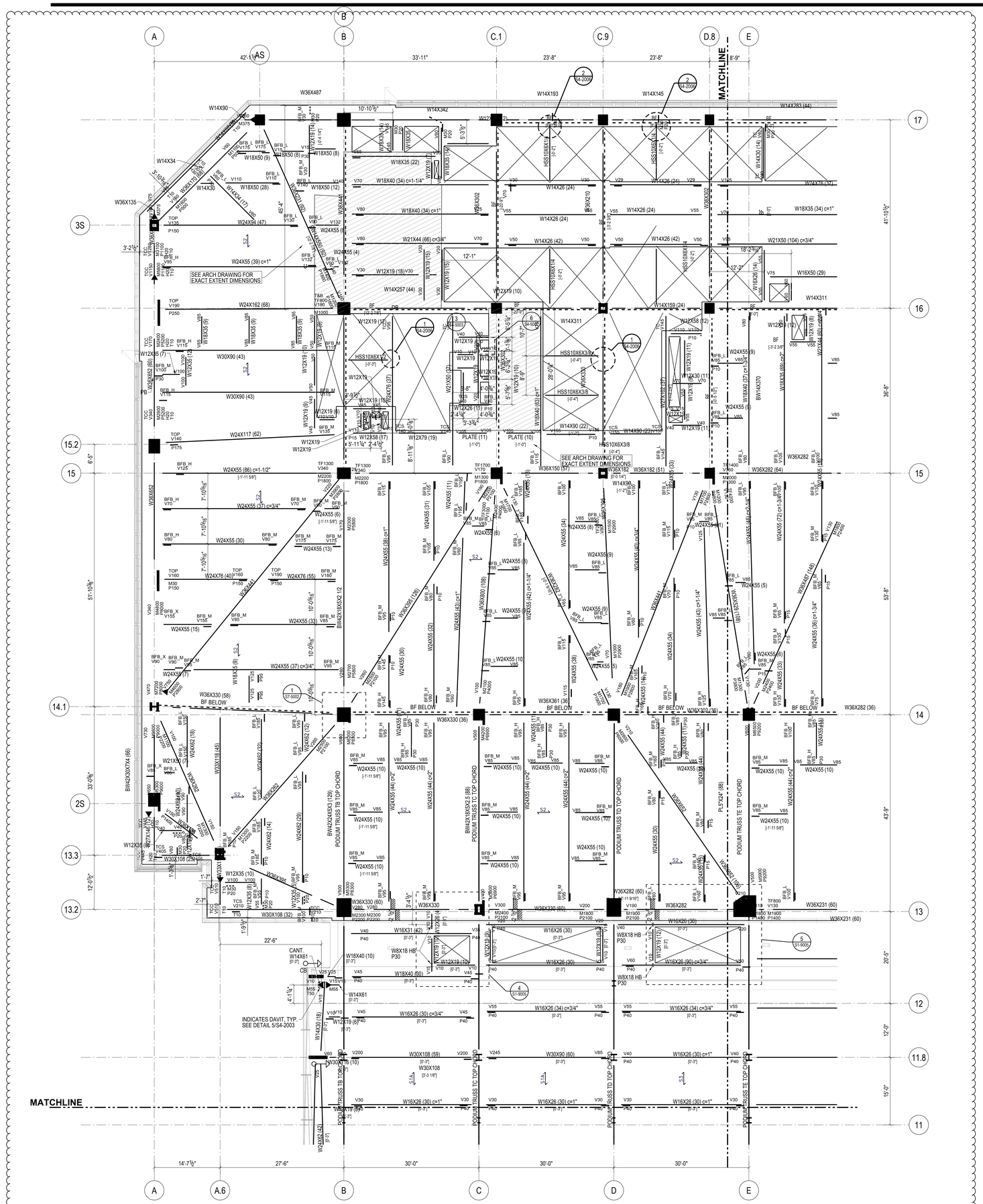
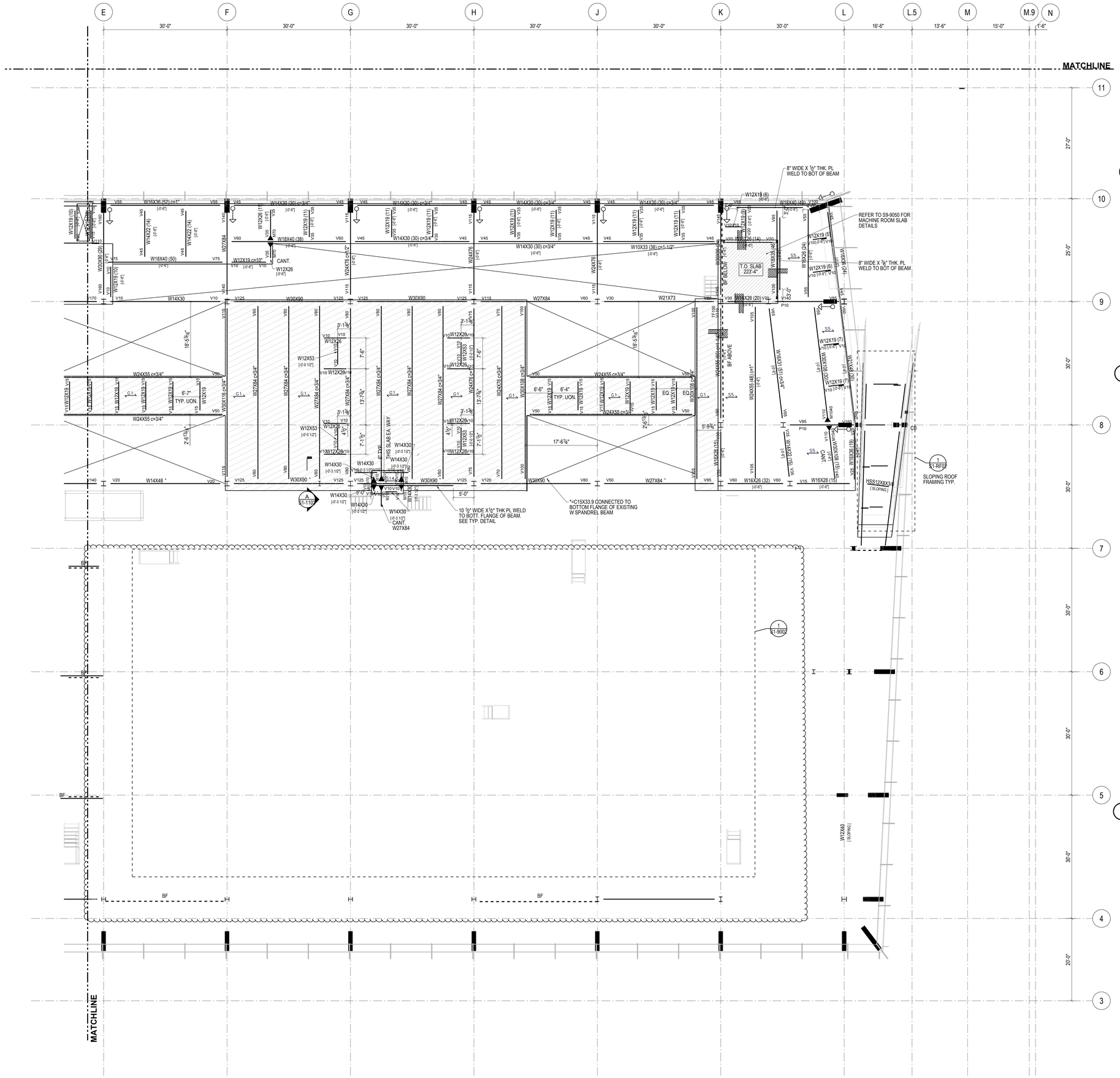

A
AS
B
C.1
C.9
D.8
E
MATCHLINE
42'-1"
33'-11"
23'-8"
23'-8"
8'-9"
17
16
15.2
15
14.1
14
13.3
13.2
13
12
11.8
11
3S
2S
41'-10½"
36'-8"
53'-8"
43'-9"
20'-5"
12'-0"
15'-0"
5'-11-10⅜"
W36X487
W14X90
W14X34
W36X135
W14X193
W14X145
W14X283 (44)
W14X342
W12X19 (2)
W18X50 (8)
W18X50 (9)
W18X50 (28)
W18X50 (12)
W18X35 (22)
W18X40 (34) c=1-1/4"
W18X40 (34) c=1"
W14X26 (24)
W14X26 (42)
W14X26 (24)
W24X76 (37)
W18X35 (34) c=1"
W21X50 (104) c=3/4"
W16X50 (29)
W14X311
W24X94 (47)
W24X55 (6)
W24X55 (4)
W24X55 (39) c=1"
W21X44 (66) c=3/4"
W12X19 (18)
W12X19 (15)
W14X257 (44)
W12X19 (10)
W24X162 (68)
W14X159 (24)
W12X58 (12)
W12X19 (12)
W12X35 (7)
W30X90 (43)
W12X19 (11)
W18X40 (37) c=1-1/4"
W24X55 (9)
W24X55 (6)
W24X117 (62)
W12X58 (17)
W12X79 (19)
W14X90 (22)
W12X19 (11)
W24X55 (86) c=1-1/2"
W24X55 (37) c=3/4"
W24X55 (6)
W24X55 (30)
W24X55 (13)
W24X76 (40)
W24X76 (55)
W24X55 (33)
W24X55 (15)
W24X55 (37) c=3/4"
W36X330 (58)
BF BELOW
W36X330 (36)
W36X361 (36)
W36X282 (36)
W24X55 (10)
W24X55 (44) c=2"
W24X55 (43) c=1"
W24X55 (42) c=1-1/4"
W24X55 (32)
W24X55 (30)
W24X55 (41) c=2"
W24X55 (34)
W24X55 (38)
W24X55 (35)
W24X55 (36) c=1-3/4"
W24X55 (45) c=1-1/4"
W24X55 (5)
W24X55 (44)
W24X55 (11)
W24X55 (10)
W24X55 (9)
W24X55 (8)
W24X55 (41)
W24X55 (40) c=3/4"
W24X55 (14)
W24X55 (15)
W24X55 (16)
W24X55 (18)
W24X55 (19)
W24X55 (20)
W24X55 (21)
W24X55 (22)
W24X55 (23)
W24X55 (24)
W24X55 (25)
W24X55 (26)
W24X55 (27)
W24X55 (28)
W24X55 (29)
W24X55 (31)
W24X55 (33)
W24X55 (36) c=1-3/4"
W24X55 (37) c=1-3/4"
W24X55 (38) c=1"
W24X55 (39) c=1"
W24X55 (40) c=3/4"
W24X55 (42) c=1-1/4"
W24X55 (43) c=1"
W24X55 (44) c=2"
W24X55 (45) c=1-1/4"
W24X55 (46) c=1"
W24X55 (47) c=3/4"
W24X55 (48) c=1"
W24X55 (49) c=1"
W24X55 (50) c=1"
W24X55 (51) c=1"
W24X55 (52) c=1"
W24X55 (53) c=1"
W24X55 (54) c=1"
W24X55 (55) c=1"
W24X55 (56) c=1"
W24X55 (57) c=1"
W24X55 (58) c=1"
W24X55 (59) c=1"
W24X55 (60) c=1"
W24X55 (61) c=1"
W24X55 (62) c=1"
W24X55 (63) c=1"
W24X55 (64) c=1"
W24X55 (65) c=1"
W24X55 (66) c=1"
W24X55 (67) c=1"
W24X55 (68) c=1"
W24X55 (69) c=1"
W24X55 (70) c=1"
W24X55 (71) c=1"
W24X55 (72) c=1-3/4"
W24X55 (73) c=1"
W24X55 (74) c=1"
W24X55 (75) c=1"
W24X55 (76) c=1"
W24X55 (77) c=1"
W24X55 (78) c=1"
W24X55 (79) c=1"
W24X55 (80) c=1"
W24X55 (81) c=1"
W24X55 (82) c=1"
W24X55 (83) c=1"
W24X55 (84) c=1"
W24X55 (85) c=1"
W24X55


E
F
G
H
J
K
L
L.5
M
M.9
N
30'-0"
16'-6"
13'-6"
15'-0"
1'-6"
MATCHLINE
11
10
9
8
7
6
5
4
3
27'-0"
25'-0"
30'-0"
20'-0"
8" WIDE X ½" THK. PL WELD TO BOT OF BEAM
REFER TO S9-9050 FOR MACHINE ROOM SLAB DETAILS
8" WIDE X 7/8" THK. PL WELD TO BOT OF BEAM
T.O. SLAB 223'-4"
BF BELOW
BF ABOVE
W12X19 (6)
W18X40 (49)
W18X26 (24)
W12X19 (5)
W12X19 (7)
W16X26 (32)
W16X26 (15)
W16X36 (19)
W14X30 (CANT.)
W14X30 (38)
W18X40 (38)
W12X26 (14)
W18X40 (50)
W12X19 (10)
W30X90 (29)
W14X22 (14)
W16X36 (52) c=1"
W14X30 (30) c=3/4"
W12X19 (11)
W10X33 (38) c=1 1/2"
W14X30
W30X90
W27X84
W21X73
W24X76 c=1/2"
W24X55 c=3/4"
W27X84 c=3/4"
W24X76 c=3/4"
W30X116 c=3/4"
W30X108 c=3/4"
W24X55 (48) c=1"
W12X53
W12X26
W12X26/10
W14X30
W14X48
W16X26 (26)
W16X26 (21)
W16X26 (18)
W16X26 (15)
W12X40
W12X65
W12X26 (10)
W12X26 (12)
W12X26 (14)
W12X26 (16)
W12X26 (20)
W12X26 (24)
W12X26 (26)
W12X26 (30)
W12X26 (34)
W12X26 (40)
W12X26 (45)
W12X26 (50)
W12X26 (53)
W12X26 (58)
W12X26 (65)
W12X26 (72)
W12X26 (79)
W12X26 (87)
W12X26 (96)
W12X26 (106)
W12X26 (120)
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W12X26 (152)
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W12X26 (190)
W12X26 (210)
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W12X26 (252)
W12X26 (279)
W12X26 (305)
W12X26 (336)
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W12X26 (528)
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W12X26 (756)
W12X26 (826)
W12X26 (906)
W12X26 (992)
W12X26 (1085)
W12X26 (1190)
W12X26 (1305)
W12X26 (1426)
W12X26 (1568)
W12X26 (1719)
W12X26 (1884)
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W12X26 (3264)
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W12X26 (3921)
W12X26 (4298)
W12X26 (4711)
W12X26 (5164)
W12X26 (5661)
W12X26 (6205)
W12X26 (6802)
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W12X26 (8172)
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W12X26 (46592)
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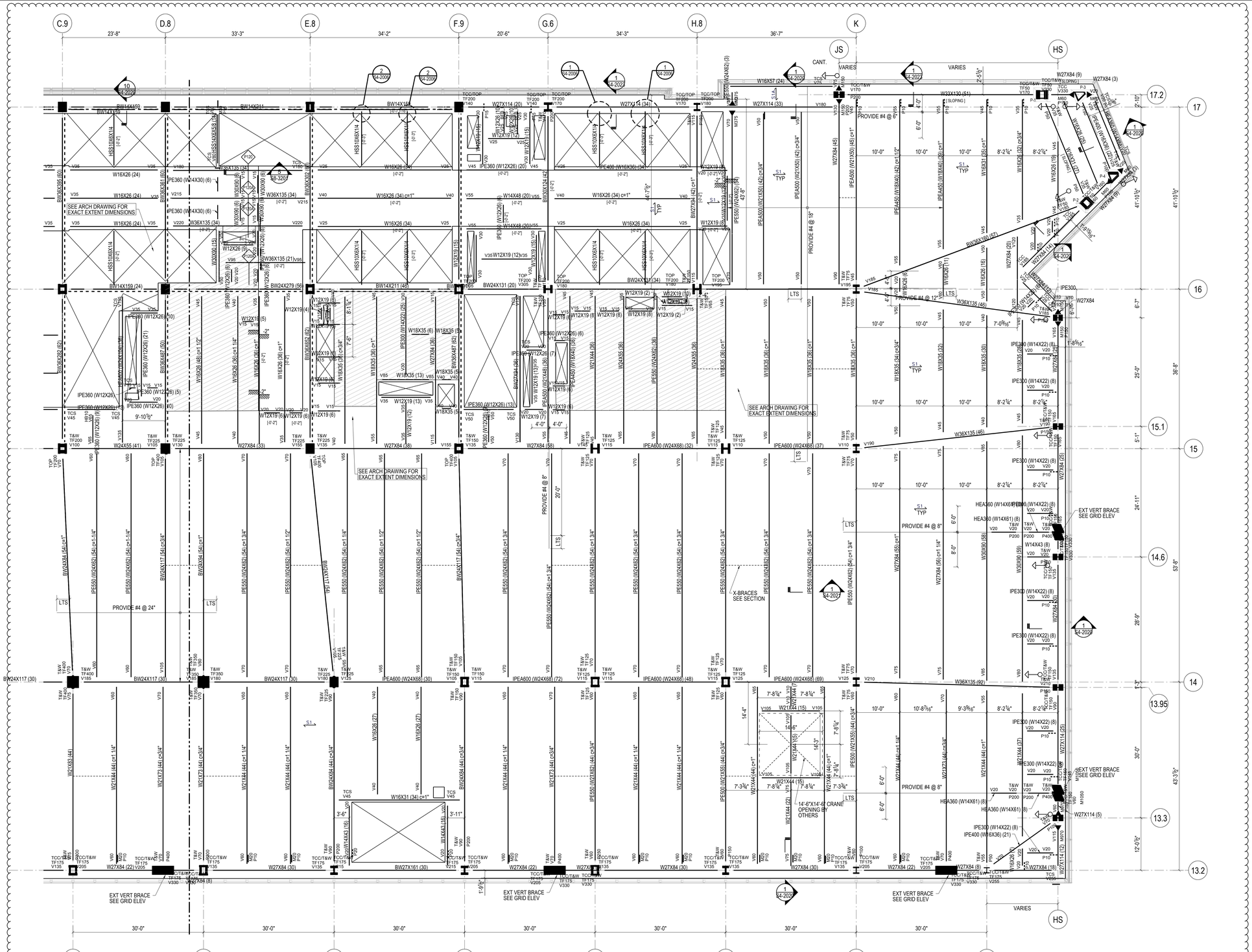
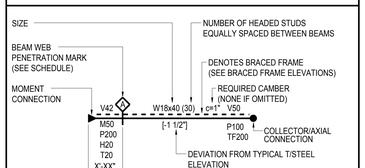


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 222'-6" UON THUS:
   X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 222'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR.XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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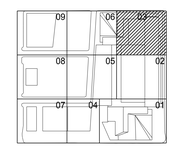
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1103
Drawing Title

FLOOR FRAMING PLAN
11
SECTOR 03
Drawing Number
S1-1103
B-Scan Drawing Number
S-205.01

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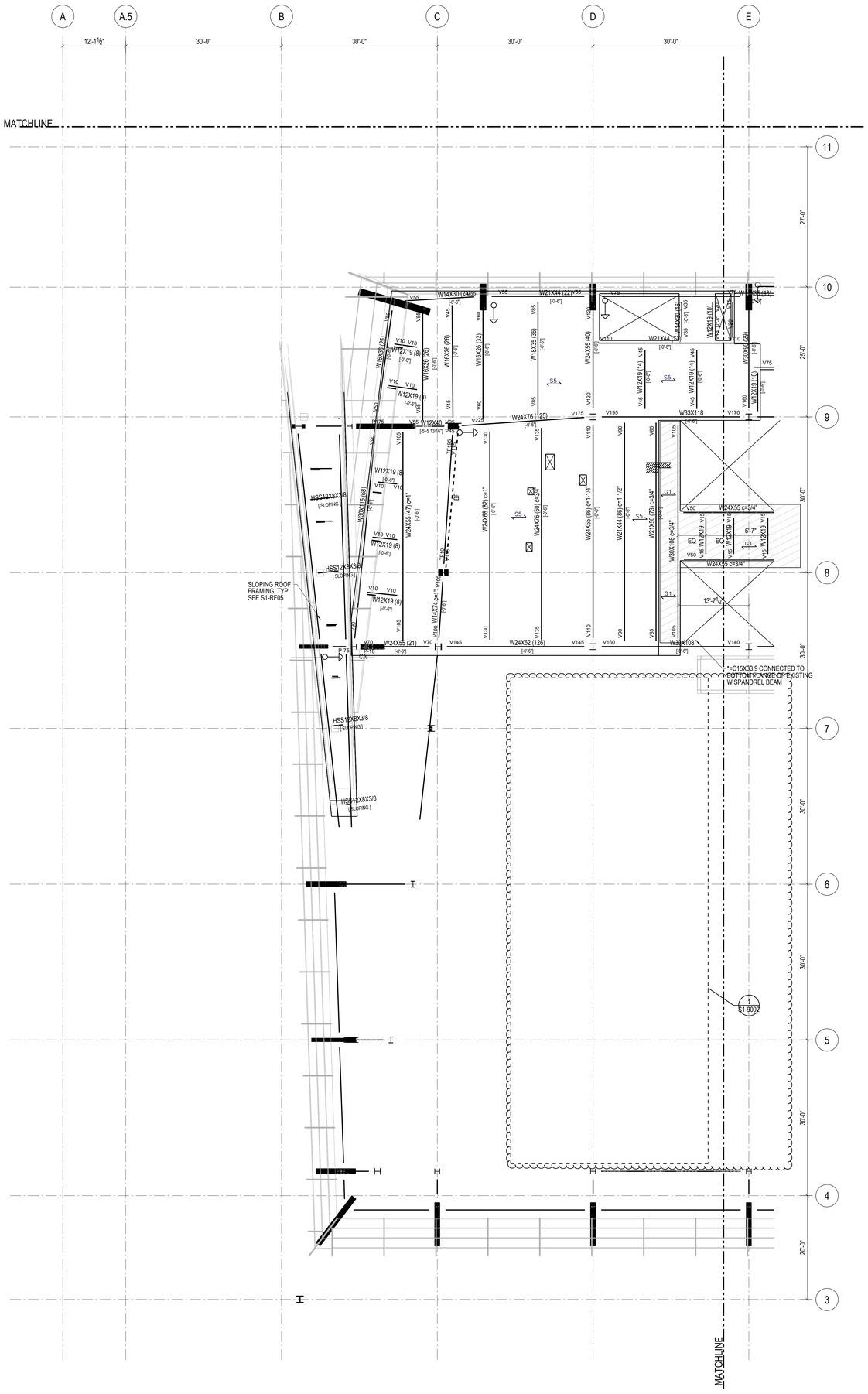
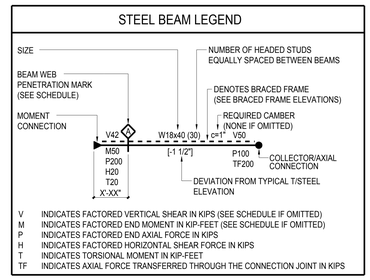


STEEL BEAM LEGEND

NOT TO SCALE



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TYPICAL SHEET NOTES

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   - UP INDICATES SLOPE IN TOP OF SLAB
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TYPICAL SHEET NOTES (SYMBOLS)

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0 4' 8' 16'

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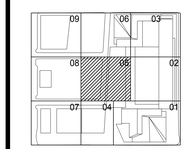

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN J. TITUS — 030...

HYE-TA-S1-1105

Drawing Title

FLOOR FRAMING PLAN 11-SECTOR 05

Drawing Number
S1-1105
B-Scan Drawing Number
S-206.01

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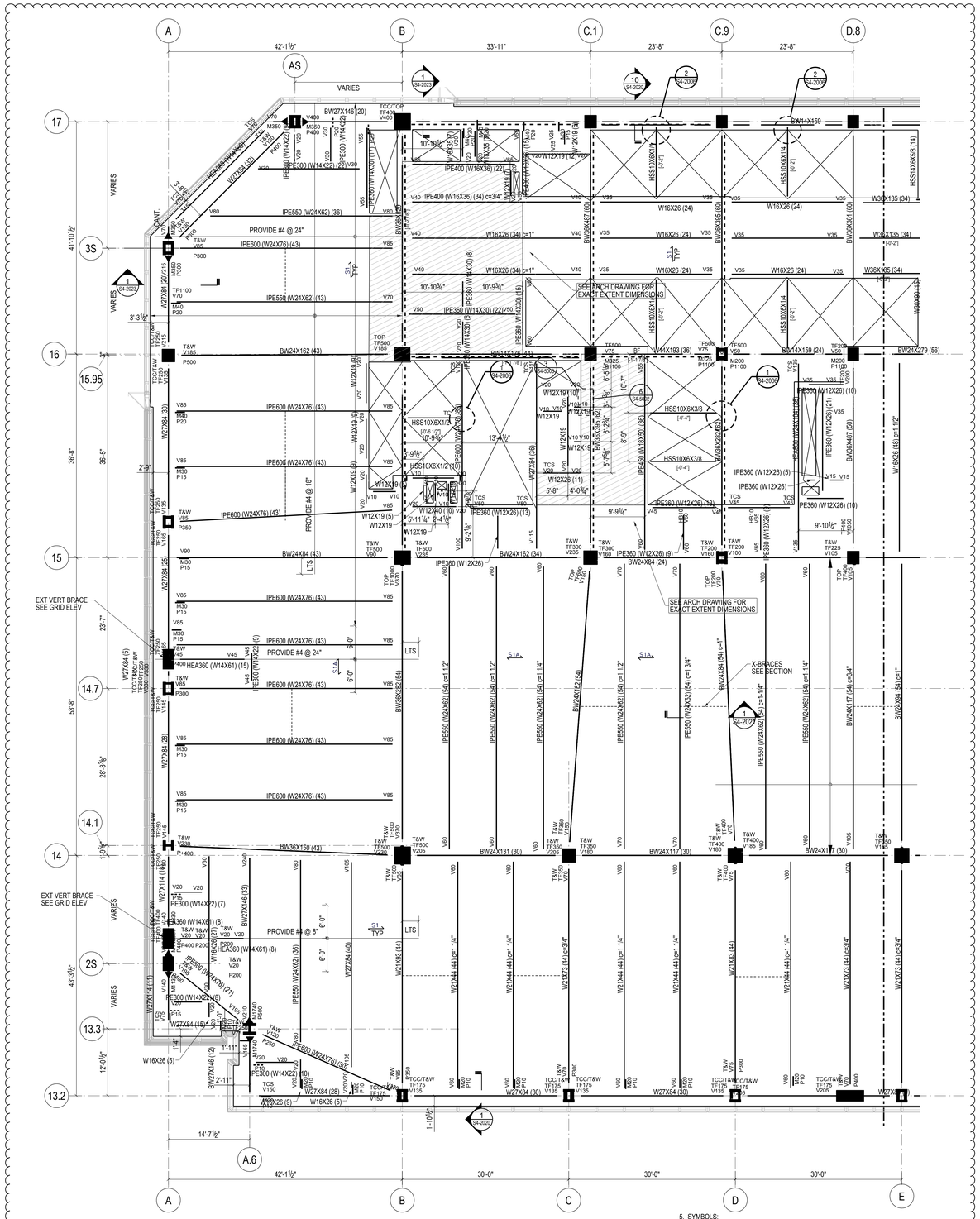
A
B
C.1
C.9
D.8
AS
A.6
42'-1½"
33'-11"
23'-8"
23'-8"
VARIES
14'-7½"
30'-0"
30'-0"
30'-0"
42'-1½"
41'-10½"
36'-8"
2'-9"
36'-5"
25'-7"
51'-8"
28'-3⅜"
43'-3½"
12'-0½"
17
16
15.95
15
14.7
14.1
14
13.3
13.2
3S
2S
TCC/TOP TF400 V400
BW27X146 (20)
HEA360 (W14X61) (24)
W27X84 (20)
IPE300 (W14X22) (21)
IPE300 (W14X22) (20)
IPE400 (W16X36) (22)
IPE400 (W16X36) (34) c=3/4"
IPE550 (W26X62) (36)
IPE550 (W24X62) (43)
IPE600 (W24X76) (43)
IPE360 (W14X30) (22)
IPE360 (W14X30) (15)
IPE360 (W14X30) (8)
BW14X176 (44)
BW14X159 (24)
BW24X279 (56)
BW24X162 (43)
BW24X84 (43)
BW24X162 (34)
BW24X84 (24)
BW36X150 (43)
BW24X131 (30)
BW24X117 (30)
BW24X94 (30)
BW24X162 (54)
BW24X84 (54)
BW36X282 (54)
BW24X117 (54)
W16X26 (24)
W16X26 (34) c=1"
W16X26 (34) c=1"
W16X26 (48) c=1 1/2"
W36X135 (34)
W36X135 (34)
W36X135 (34)
W36X487 (60)
W36X361 (60)
W36X361 (60)
W36X487 (50)
W14X193 (36)
W12X19 (12)
W12X19 (11)
W12X19 (10)
W12X19 (9)
W12X19 (8)
W12X19 (5)
W12X40 (10)
W12X25 (11)
W12X19
W12X19 (7)
W12X19 (6)
W12X19 (4)
W12X19 (3)
W12X19 (2)
W12X19 (1)
W16X26 (9)
W16X26 (5)
W16X26 (12)
W27X146 (7)
W27X146 (33)
W27X114 (11)
W27X84 (28)
W27X84 (30)
W27X84 (45)
W27X84 (25)
W27X84 (29)
W27X84 (36)
W27X84 (5)
W27X84 (8)
W27X84 (15)
W27X84 (12)
W27X84 (10)
W27X84 (7)
W27X84 (6)
W27X84 (4)
W27X84 (3)
W27X84 (2)
W27X84 (1)
HSS10X6X1/2
HSS10X6X3/8
HSS10X6X14
HSS14X6X58 (14)
HSS14X6X58 (1)
PIPE450 (W18X50) (36)
PIPE450 (W18X50) (18)
PIPE450 (W18X50) (17)
PIPE450 (W18X50) (16)
PIPE450 (W18X50) (15)
PIPE450 (W18X50) (14)
PIPE450 (W18X50) (13)
PIPE450 (W18X50) (12)
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PIPE450 (W18X50) (10)
PIPE450 (W18X50) (9)
PIPE450 (W18X50) (8)
PIPE450 (W18X50) (7)
PIPE450 (W18X50) (6)
PIPE450 (W18X50) (5)
PIPE450 (W18X50) (4)
PIPE450 (W18X50) (3)
PIPE450 (W18X50) (2)
PIPE450 (W18X50) (1)
IPE360 (W12X26) (13)
IPE360 (W12X26) (10)
IPE360 (W12X26) (21)
IPE360 (W12X26) (5)
IPE360 (W12X26)
IPE360 (W12X26) (19)
IPE360 (W12X26) (9)
IPE360 (W12X26) (16)
IPE360 (W12X26)
HEA360 (W14X61) (15)
HEA360 (W14X61) (8)
HEA360 (W14X61) (7)
IPE300 (W14X22) (7)
IPE300 (W14X22) (10)
IPE300 (W14X22) (8)
IPE600 (W24X76) (21)
PROVIDE #4 @ 24"
PROVIDE #4 @ 18"
PROVIDE #4 @ 8"
SEE ARCH DRAWING FOR EXACT EXTENT DIMENSIONS
X-BRACES SEE SECTION
EXT VERT BRACE SEE GRID ELEV
LTS
S1A
TYP
TF1100 V70
TF1250 V15
TF500 V250
TF500 V205
TF500 V235
TF300 V235
TF300 V160
TF200 V160
TF200 V100
TF200 V70
TF175 V135
TF175 V205
TF225 V105
TF400 V185
TF400 V70
TF600 V75
TF600 V185
TF350 V185
TF350 V205
TF350 V70
TF350 V105
TF350 V185
TF500 V185
TF500 V105
TF500 V70
TF500 V135
TF500 V150
TF500 V105
TF500 V185
TF500 V205
TF500 V250
TF500 V350
TF500 V370
TF500 V400
TF500 V450
TF500 V500
TF500 V550
TF500 V600
TF500 V650
TF500 V700
TF500 V750
TF500 V800
TF500 V850
TF500 V900
TF500 V950
TF500 V1000
TF500 V1050
TF500 V1100
TF500 V1150
TF500 V1200
TF500 V1250
TF500 V1300
TF500 V1350
TF500

CAUTION: BLACKLINE PRINTS MAY BE DISTORTED. ASK FOR SCALED PRINTS.
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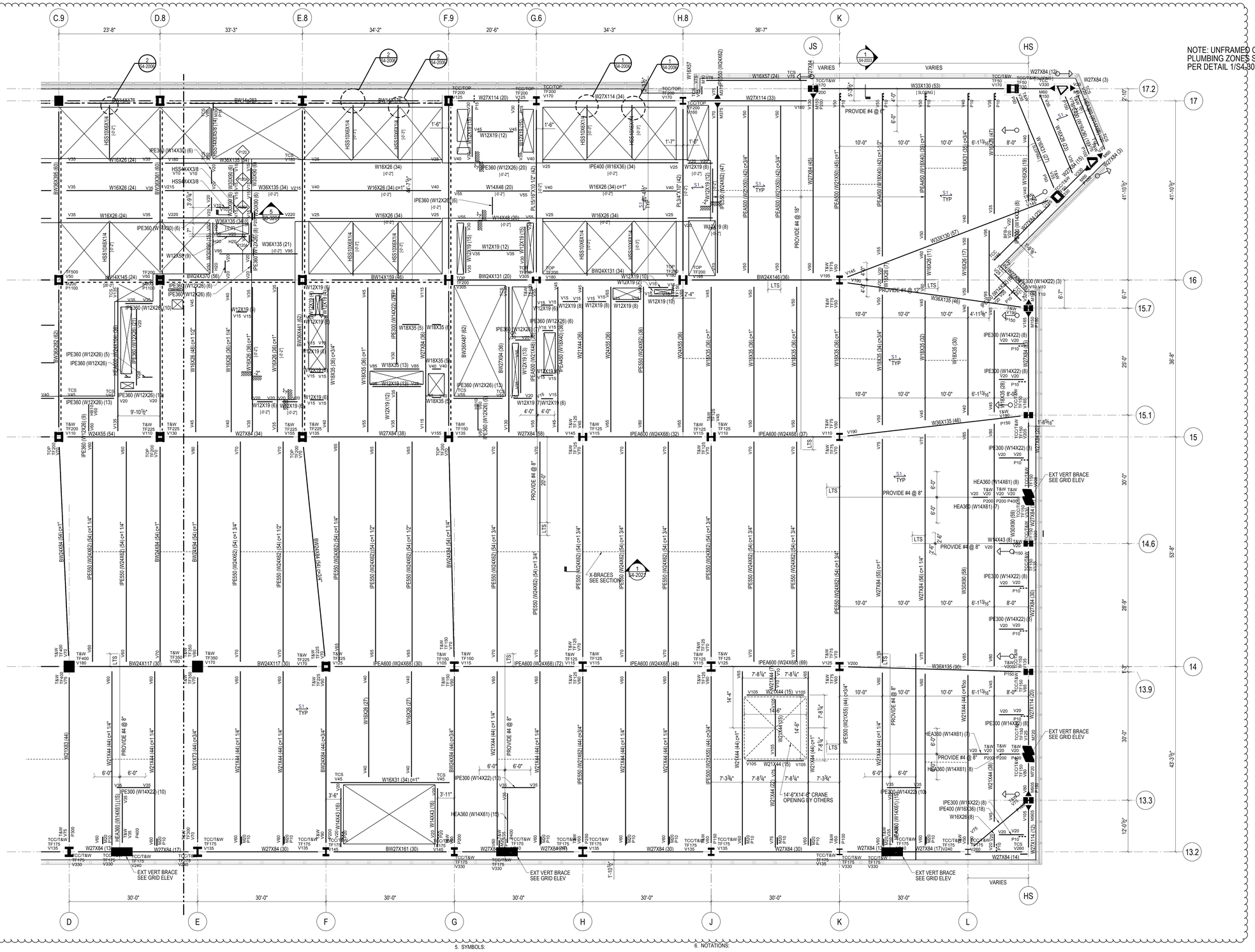
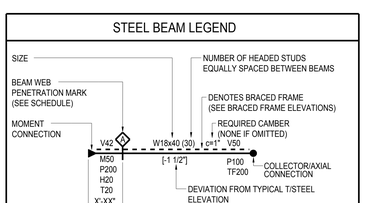


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
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TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 240'-6" UON THUS:
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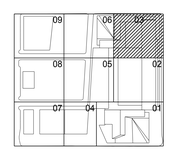

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APPROVED
Under Directive 2 of 1975
ZONING DOCUMENTATION
Date: 01/03/2017
NYC Development Hub

HYE-TA-S1-1203
Drawing Title

FLOOR FRAMING PLAN
12 SECTOR 03

Drawing Number
S1-1203
N-Scan Drawing Number
S-208.01

SHEET 72 OF 443

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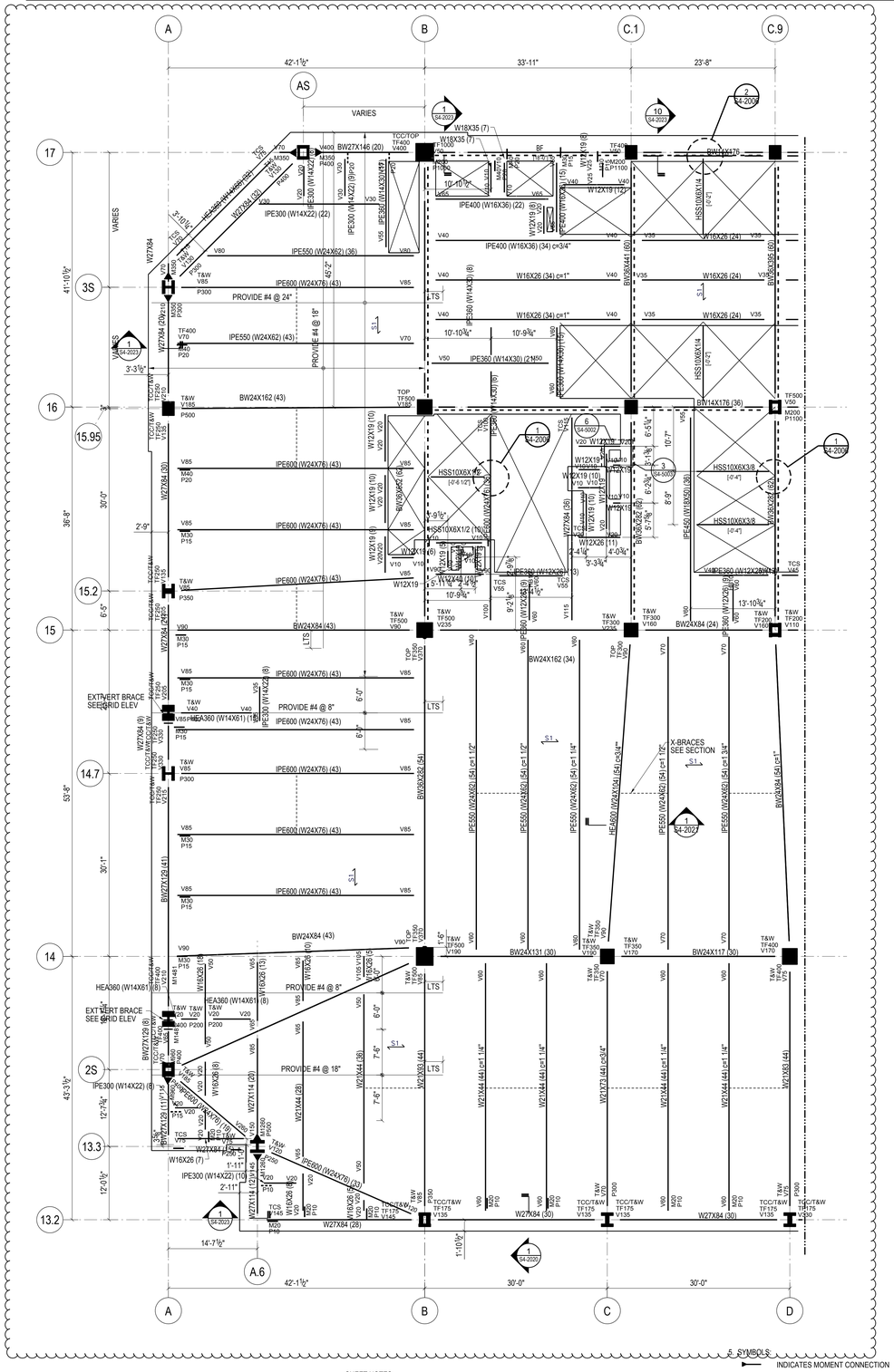
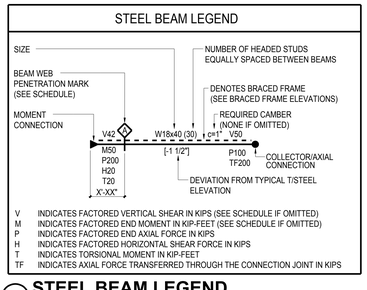


STEEL BEAM LEGEND



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   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/9/2017
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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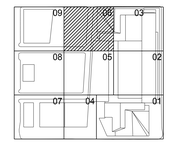
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1206
Drawing Title

FLOOR FRAMING PLAN 12 SECTOR 06

Drawing Number
S1-1206
Rckus Drawing Number
S-209.01

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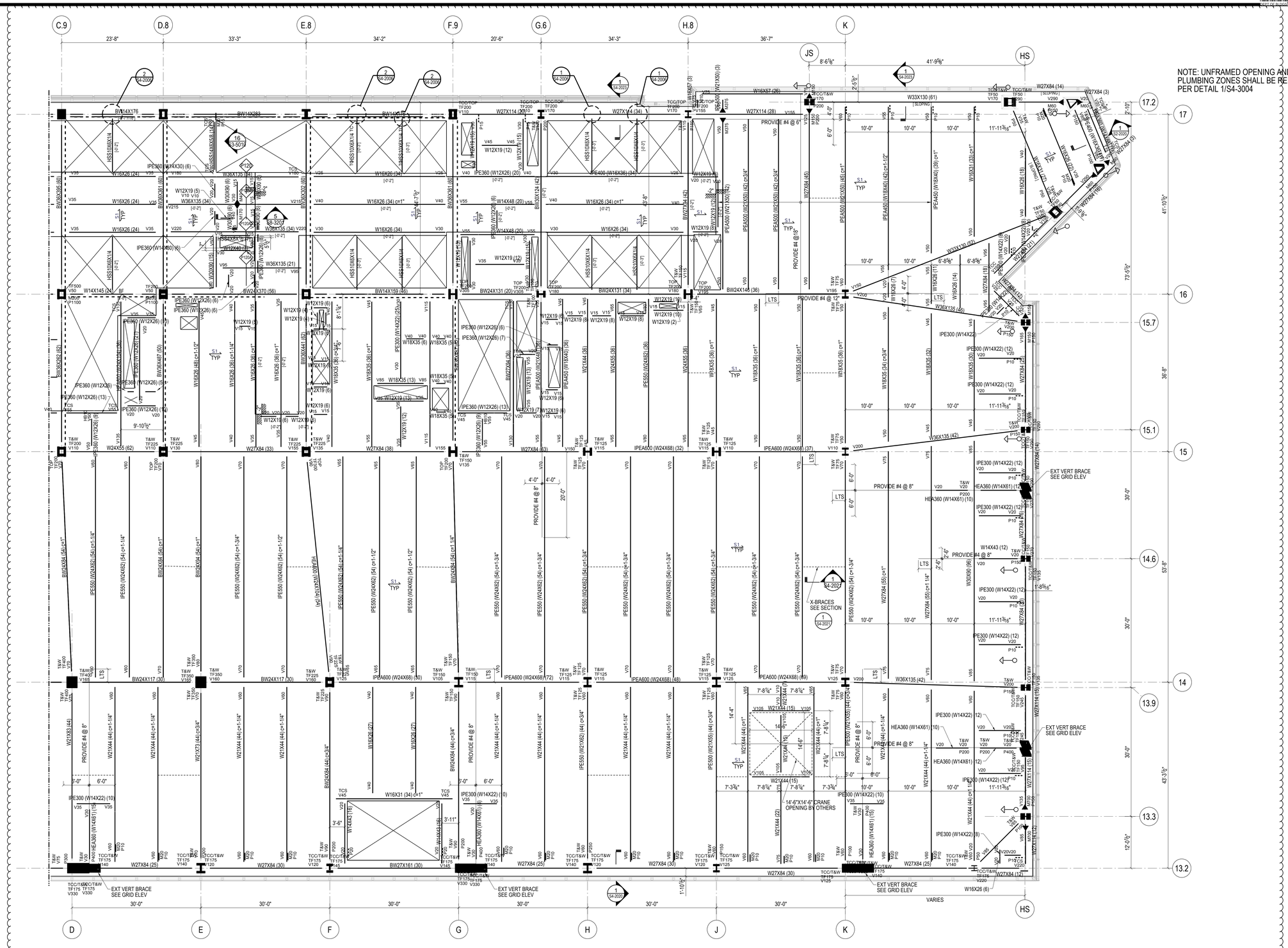
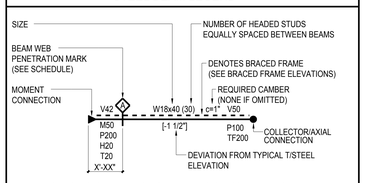


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 258'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 258'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
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6. NOTATIONS

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PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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TRUSS TC	INDICATES TRUSS TOP CHORD
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDTO APPLICATION
Date: 05/01/2017
NYC Development Hub

N
0 4' 8' 16'

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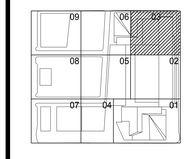
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1303
Drawing Title

FLOOR FRAMING PLAN
13-SECTOR 03

Drawing Number
S1-1303
Revision Drawing Number
S-210.01

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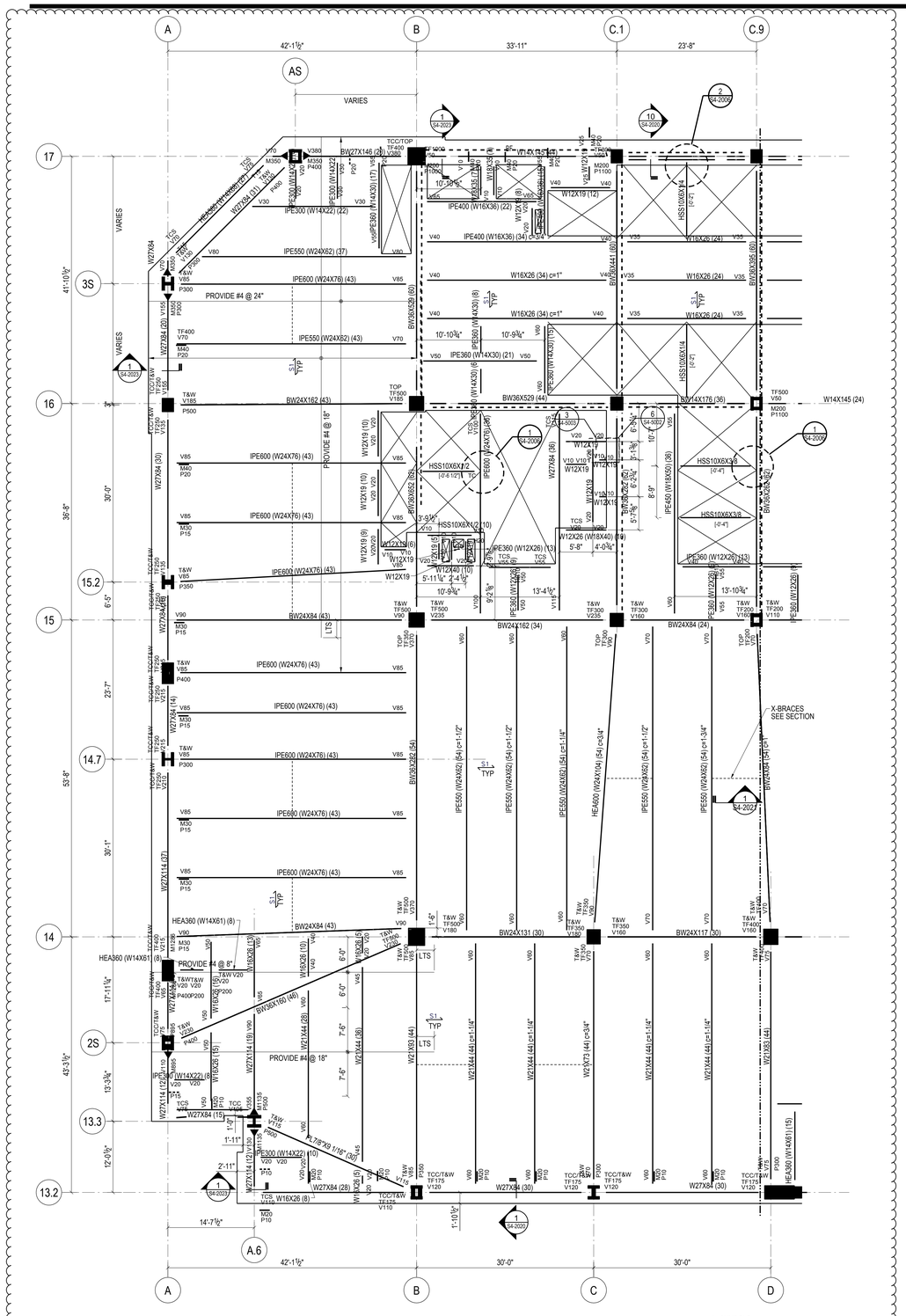
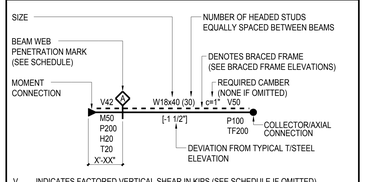


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

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TYPICAL SHEET NOTES
NOT TO SCALE

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6. NOTATIONS:

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TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
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AMENDED APPLICATION
Date: 05/9/2017
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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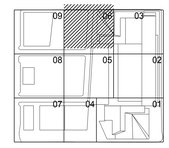
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1306

Drawing Title

FLOOR FRAMING PLAN 13-SECTOR 06

Drawing Number
S1-1306
Rikon Drawing Number
S-211.01

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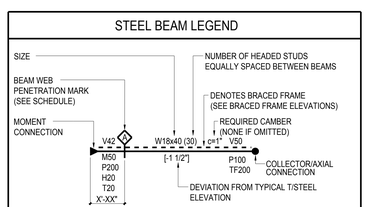
NOTE: UNFRAMED OPENING AND SLEEVED PLUMBING ZONES SHALL BE REINFORCIED PER DETAIL 1/S4-3004

STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 276'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
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STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

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- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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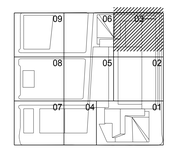
Key Plan



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Project No. N11328.00
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Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
EXPEDITED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-1403

Drawing Title

FLOOR FRAMING PLAN
14- SECTOR 03

Drawing Number
S1-1403
Revision Drawing Number
S-214.01

SHEET 76 OF 443

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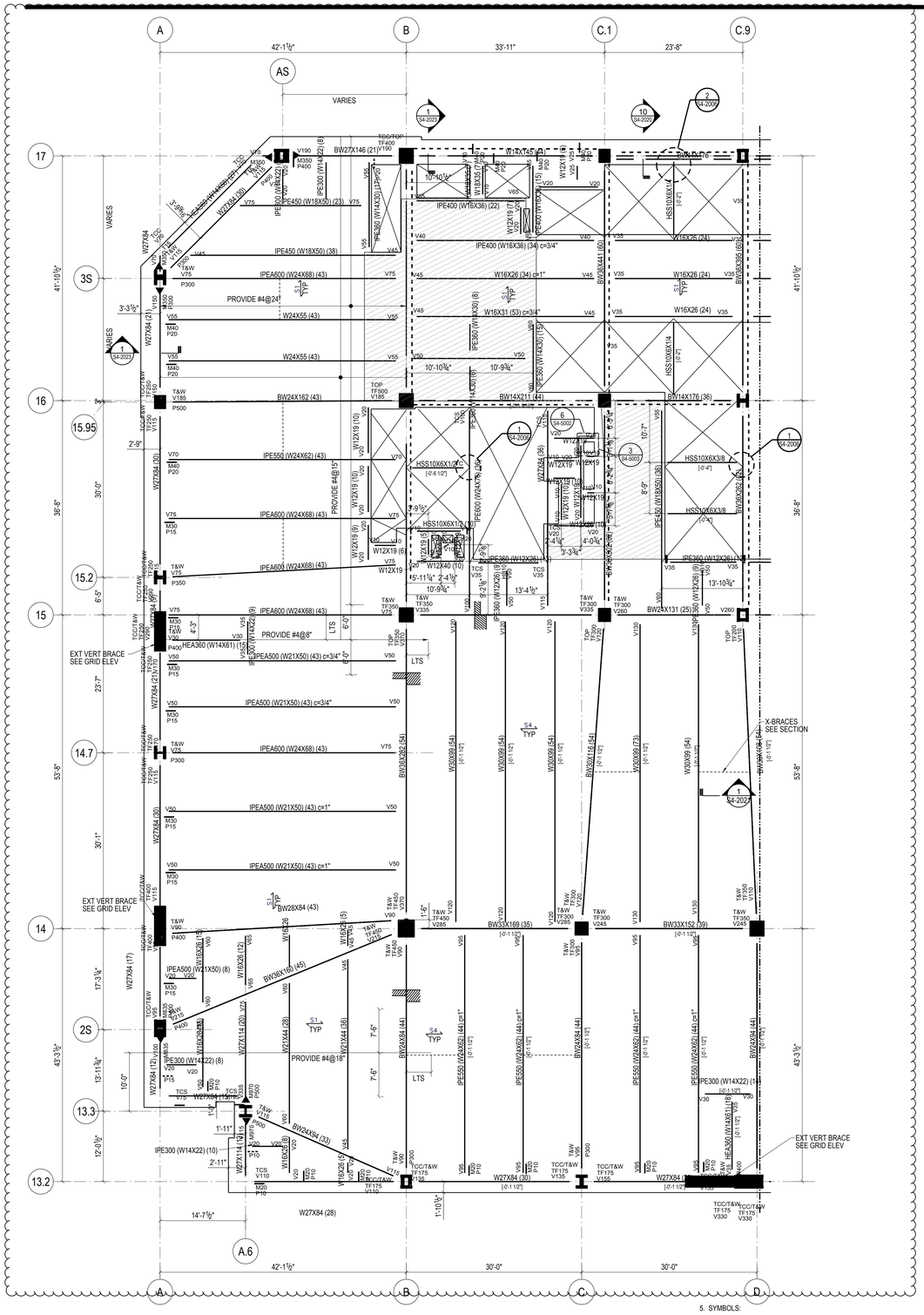
A
B
C.1
C.9
AS
42'-1½"
33'-11"
23'-8"
VARIES
17
16
15.95
15.2
15
14.7
14
13.3
13.2
3S
2S
A.6
41'-10½"
36'-8"
30'-0"
6'-5"
23'-7"
53'-8"
30'-1"
17'-3¾"
43'-3½"
12'-0½"
14'-7½"
30'-0"
W27X84 (28)
BW24X162 (43)
IPEA600 (W24X68) (43)
IPE550 (W24X62) (43)
IPEA500 (W21X50) (43) c=3/4"
IPEA500 (W21X50) (43) c=1"
HEA360 (W14X61) (15)
BW28X84 (43)
BW36X160 (45)
BW24X94 (33)
IPE300 (W14X22) (10)
BW33X169 (35)
BW33X152 (39)
BW24X94 (44)
BW24X94 (44) c=1"
BW20X116 (54)
BW20X94 (54)
W30X99 (54)
BW20X94 (54)
X-BRACES SEE SECTION
EXT VERT BRACE SEE GRID ELEV
PROVIDE #4@24"
PROVIDE #4@15"
PROVIDE #4@8"
PROVIDE #4@16"
LTS
TOP TF500 V185
TOP TF350 V370
TOP TF350 V320
TOP TF350 V120
T&W TF450 V285
T&W TF300 V335
T&W TF300 V260
T&W TF300 V245
T&W TF350 V245
T&W TF350 V335
T&W TF350 V370
T&W TF450 V90
T&W TF300 V90
T&W TF350 V175
T&W TF350 V320
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T&W TF300 V300
TCC/T&W TF175 V135
TCC/T&W TF175 V155
TCC/T&W TF175 V330
TCC/T&W TF175 V110
TCC/T&W TF175 V115
TCC/T&W TF175 V160
TCC/T&W TF250 V115
TCC/T&W TF250 V160
TCC/T&W TF250 V210
TCC/T&W TF250 V260
TCC/T&W TF250 V310
TCC/T&W TF250 V360
TCC/T&W TF250 V410
TCC/T&W TF250 V460
TCC/T&W TF250 V510
TCC/T&W TF250 V560
TCC/T&W TF250 V610
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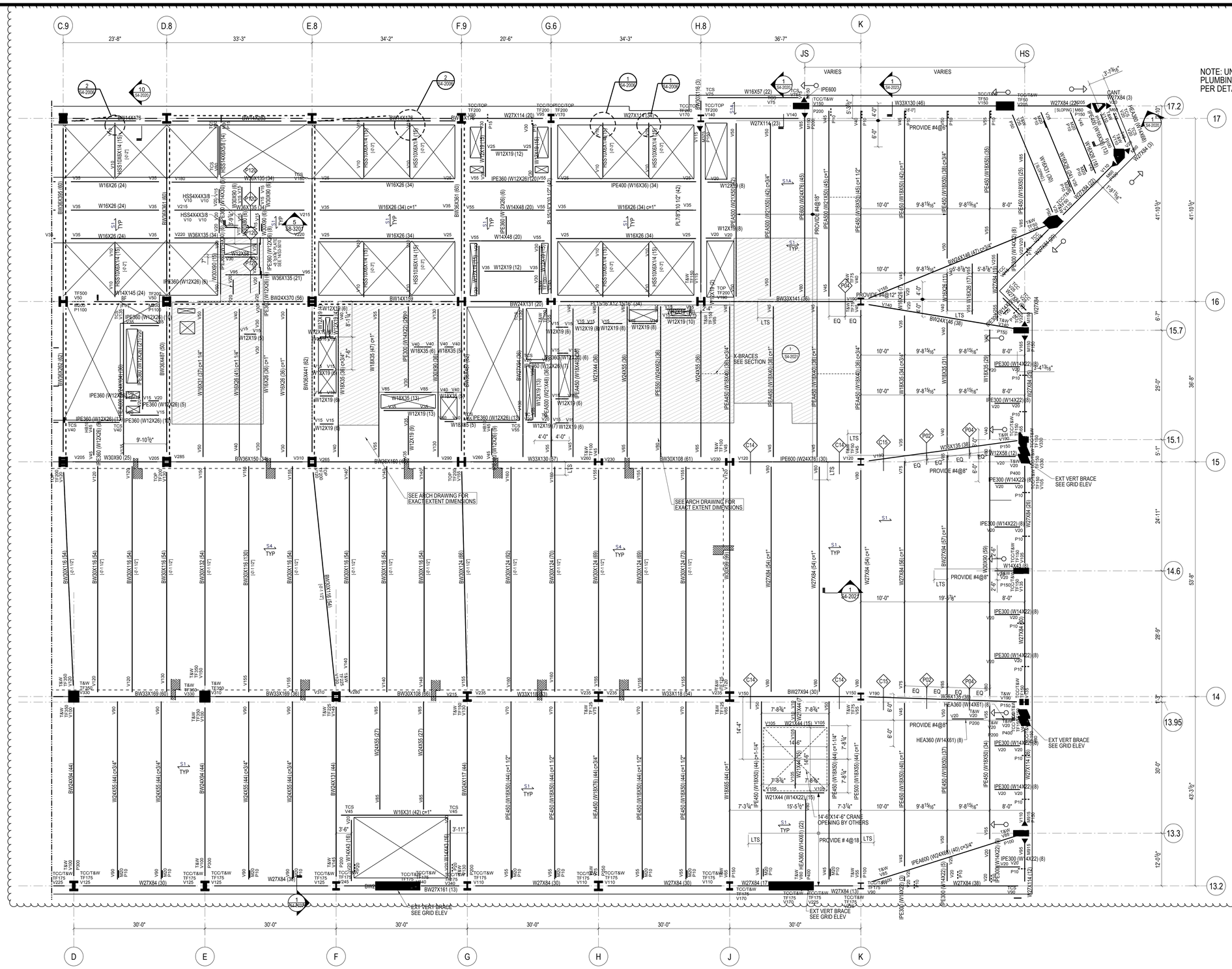
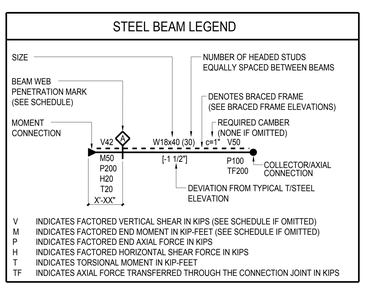
TCC/T&W TF250



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 294'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 294'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
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SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

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   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
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   - INDICATES THICKENED SLAB
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HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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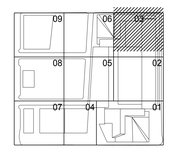
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1503
Drawing Title

FLOOR FRAMING PLAN
15 - SECTOR 03

Damian Titus
Buildings.com
APPROVED
Under Directive 2 of 1975
APPROVAL VALID FOR USE
Date: 05/03/2017
NYC Development Hub

Drawing Number
S1-1503
D-Scan Drawing Number
S-216.01

SHEET 78 OF 443

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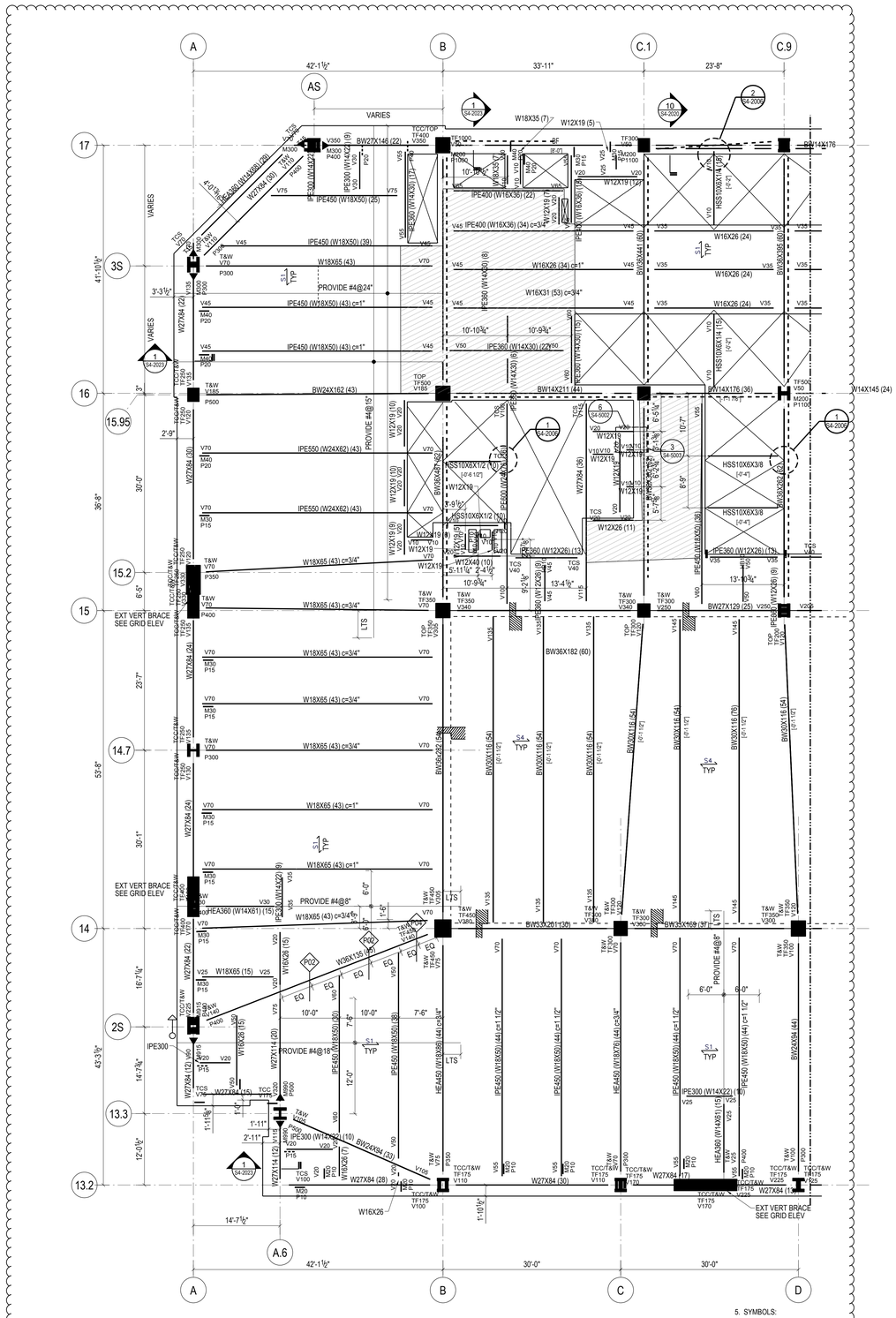
A
B
C.1
C.9
42'-1½"
33'-11"
23'-8"
AS
VARIES
17
3S
16
15.95
15.2
15
14.7
14
13.3
13.2
2S
A.6
W18X35 (7)
W12X19 (5)
BW14X176
W14X145 (24)
IPE450 (W18X50) (39)
W18X65 (43)
PROVIDE #4@24"
IPE450 (W18X50) (43) c=1"
W16X31 (53) c=3/4"
BW24X162 (43)
BW14X211 (44)
BW14X176 (36)
IPE550 (W24X62) (43)
W18X65 (43) c=3/4"
W12X40 (10)
W12X26 (11)
IPE360 (W12X26) (13)
BW27X129 (25)
BW36X182 (60)
W18X65 (43) c=1"
W18X65 (43) c=3/4"
HEA360 (W14X61) (15)
W16X26 (24)
W16X57 (19)
W16X28 (15)
W18X65 (15)
W18X65 (43) c=1"
W27X114 (20)
IPE450 (W18X50) (20)
IPE450 (W18X50) (41) c=3/4"
IPE450 (W18X50) (44) c=1 1/2"
HE1450 (W18X76) (44) c=3/4"
IPE300 (W14X22) (10)
BW24X94 (33)
W16X26 (8)
W27X84 (28)
W27X84 (30)
W27X84 (17)
W27X84 (13)
EXT VERT BRACE SEE GRID ELEV
PROVIDE #4@18"
PROVIDE #4@8"
TYP
LTS
EQ
P400
P500
P350
P300
P100
P200
P250
P150
P10
P15
P20
P30
P40
P50
P60
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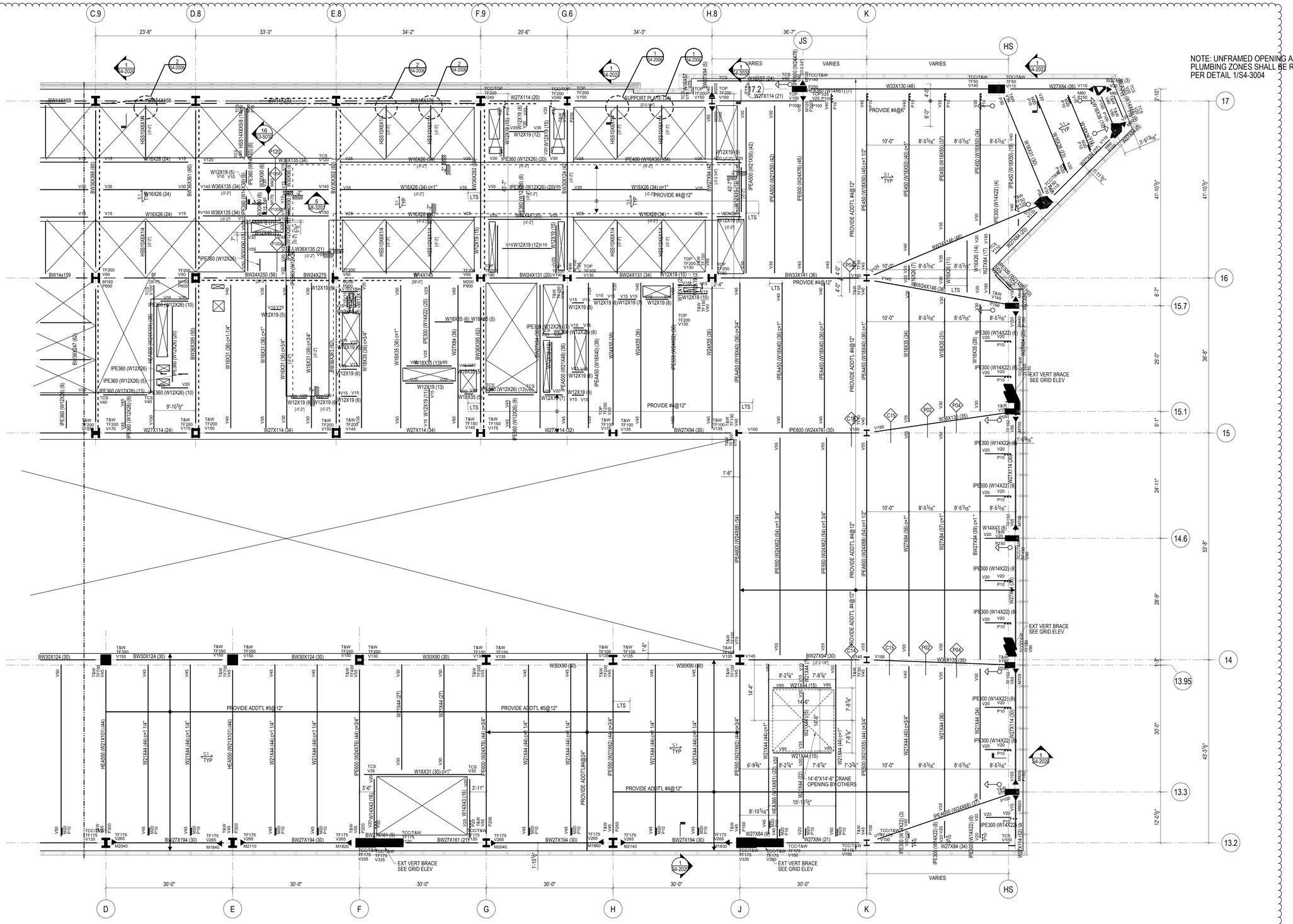
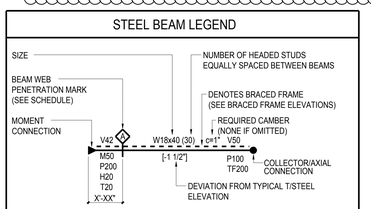
P880
P890
P900



STEEL BEAM LEGEND



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T INDICATES TORSIONAL MOMENT IN KIP-FEET
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STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 312'-6" UON THUS:
   X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 312'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

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- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
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- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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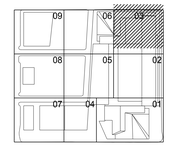
Key Plan



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Drawn By
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Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-1603
Drawing Title

FLOOR FRAMING PLAN
16 SECTOR 03

Drawing Number
S1-1603
B-Scan Drawing Number
S-218.01

SHEET 80 OF 443

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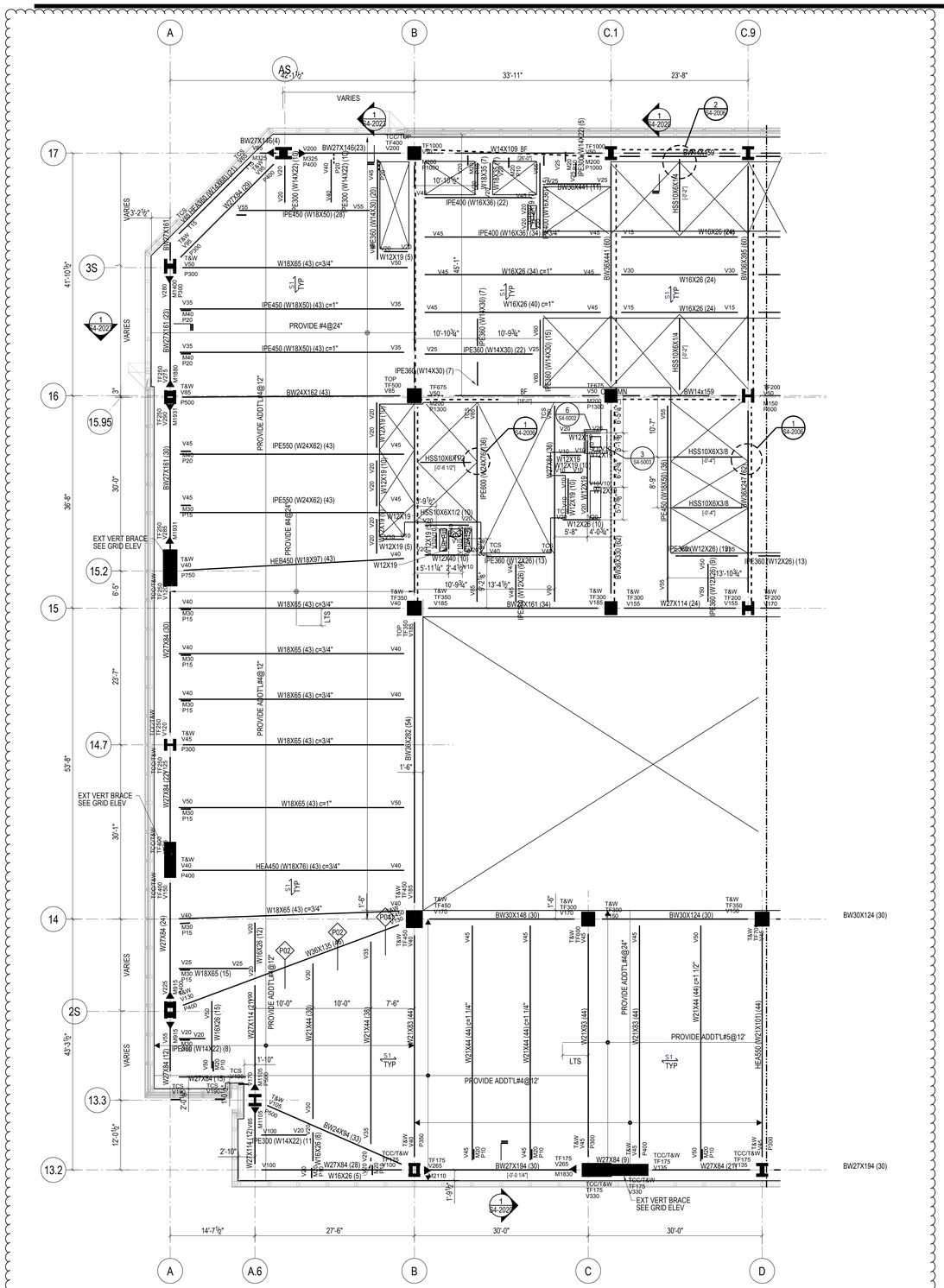
A
AS
B
C.1
C.9
33'-11"
23'-8"
VARIES
17
16
15.95
15.2
15
14.7
14
13.3
13.2
3S
2S
41'-10½"
36'-8"
30'-0"
23'-7"
55'-8"
30'-1"
43'-3½"
12'-0½"
6'-5"
BW27X161 (23)
BW27X161 (36)
BW27X84 (30)
BW27X84 (24)
BW27X84 (29)
BW27X114 (21)
BW24X84 (33)
BW24X162 (43)
BW30X262 (54)
BW30X148 (30)
BW30X124 (30)
BW27X194 (30)
W27X84 (28)
W16X26 (5)
W27X84 (9)
W27X84 (27)
W27X135
W27X114 (24)
W18X65 (43) c=3/4"
W18X65 (43) c=1"
W18X65 (15)
W16X26 (12)
W16X26 (15)
W16X26 (8)
W27X84 (12)
W27X84 (19)
W27X84 (21)
W27X114 (21)
W27X84 (24)
W27X84 (25)
W27X84 (30)
W27X84 (31)
W27X84 (34)
W27X84 (36)
W27X84 (37)
W27X84 (38)
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W27X84 (41)
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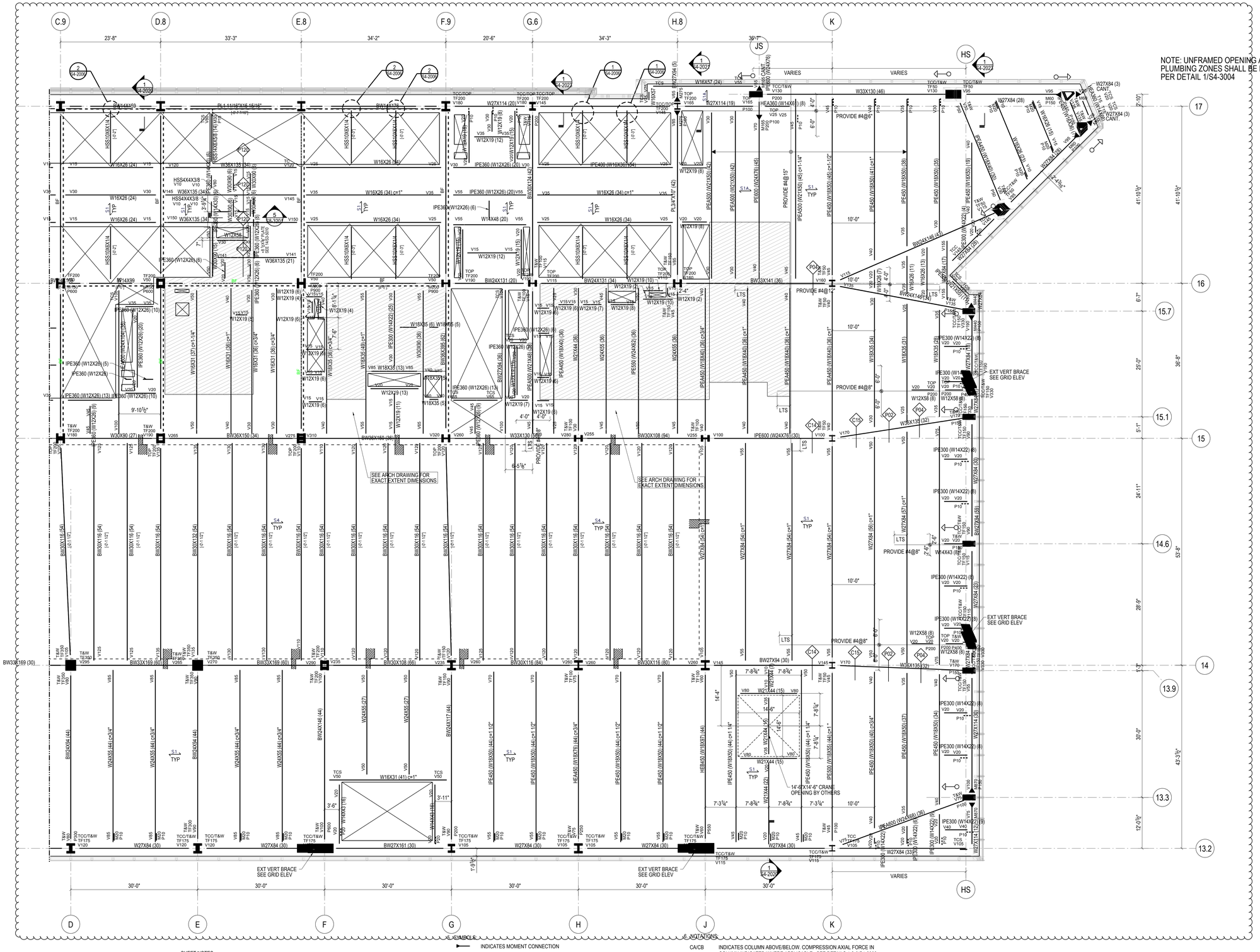
W27X84 (55)
W27X84



STEEL BEAM LEGEND

SIZE

NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS

BEAM WEB PENETRATION MARK (SEE SCHEDULE)

DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)

MOMENT CONNECTION

REQUIRED CAMBER (NONE IF OMITTED)

V42 W18x40 (30) c=1" V50

M50 P200 H20 T20 'X'-'XX"

[-1 1/2"]

P100 TF200

COLLECTOR/AXIAL CONNECTION

DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

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Damian Titus
Buildings
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ATC/NO OBJECTION
Date 05/03/2017
NYC Development Hub

0 4' 8' 16'

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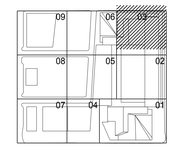
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1703

Drawing Title

FLOOR FRAMING PLAN
17 SECTOR 03

Drawing Number
S1-1703
B-Scan Drawing Number
S-220.01

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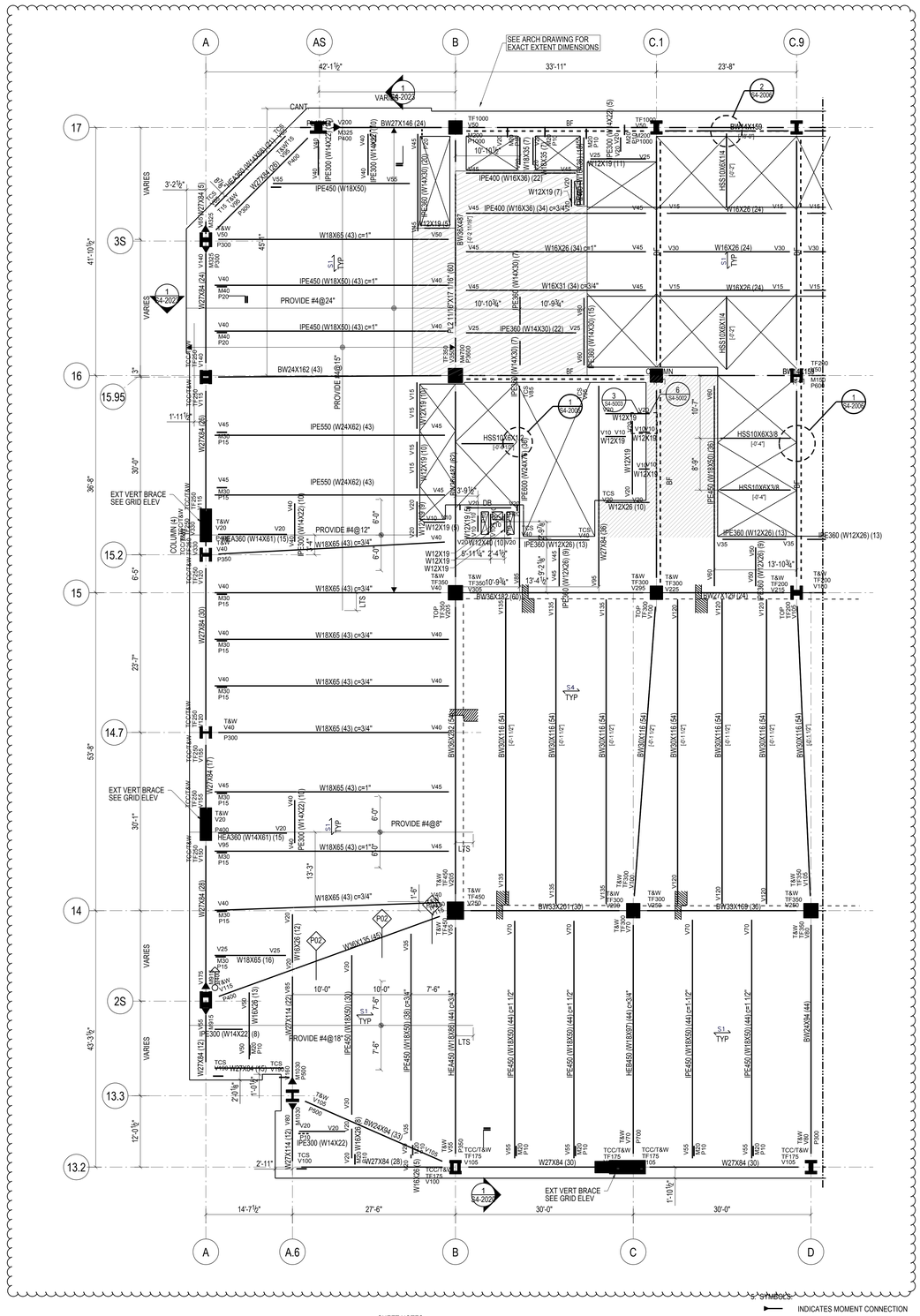
A
AS
B
C.1
C.9
A.6
C
D
SEE ARCH DRAWING FOR EXACT EXTENT DIMENSIONS
42'-1½"
33'-11"
23'-8"
17
16
15.95
15.2
15
14.7
14
13.3
13.2
3S
2S
41'-10½"
36'-8"
30'-0"
6'-5"
23'-7"
53'-8"
30'-1"
45'-3½"
43'-3½"
12'-0½"
14'-7½"
27'-6"
30'-0"
30'-0"
CANT
VARIES
PROVIDE #4@24"
PROVIDE #4@12"
PROVIDE #4@8"
PROVIDE #4@18"
EXT VERT BRACE SEE GRID ELEV
COLUMN (4) TCC/T&W TF175 V105
W18X65 (43) c=3/4"
W18X65 (43) c=1"
W18X65 (16)
W16X26 (12)
W16X26 (13)
W27X84 (28)
W27X84 (30)
W27X84 (12)
W27X84 (15)
W27X84 (17)
W27X84 (8)
W27X114 (12)
W27X114 (22)
W24X162 (43)
W24X84 (33)
W24X62 (26)
W24X62 (28)
W24X62 (30)
W24X62 (10)
W24X62 (9)
W24X62 (5)
W24X84 (44)
W24X84 (36)
W24X84 (38)
W24X84 (41)
W24X84 (43)
W24X84 (45)
W24X84 (47)
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W24X84 (67)
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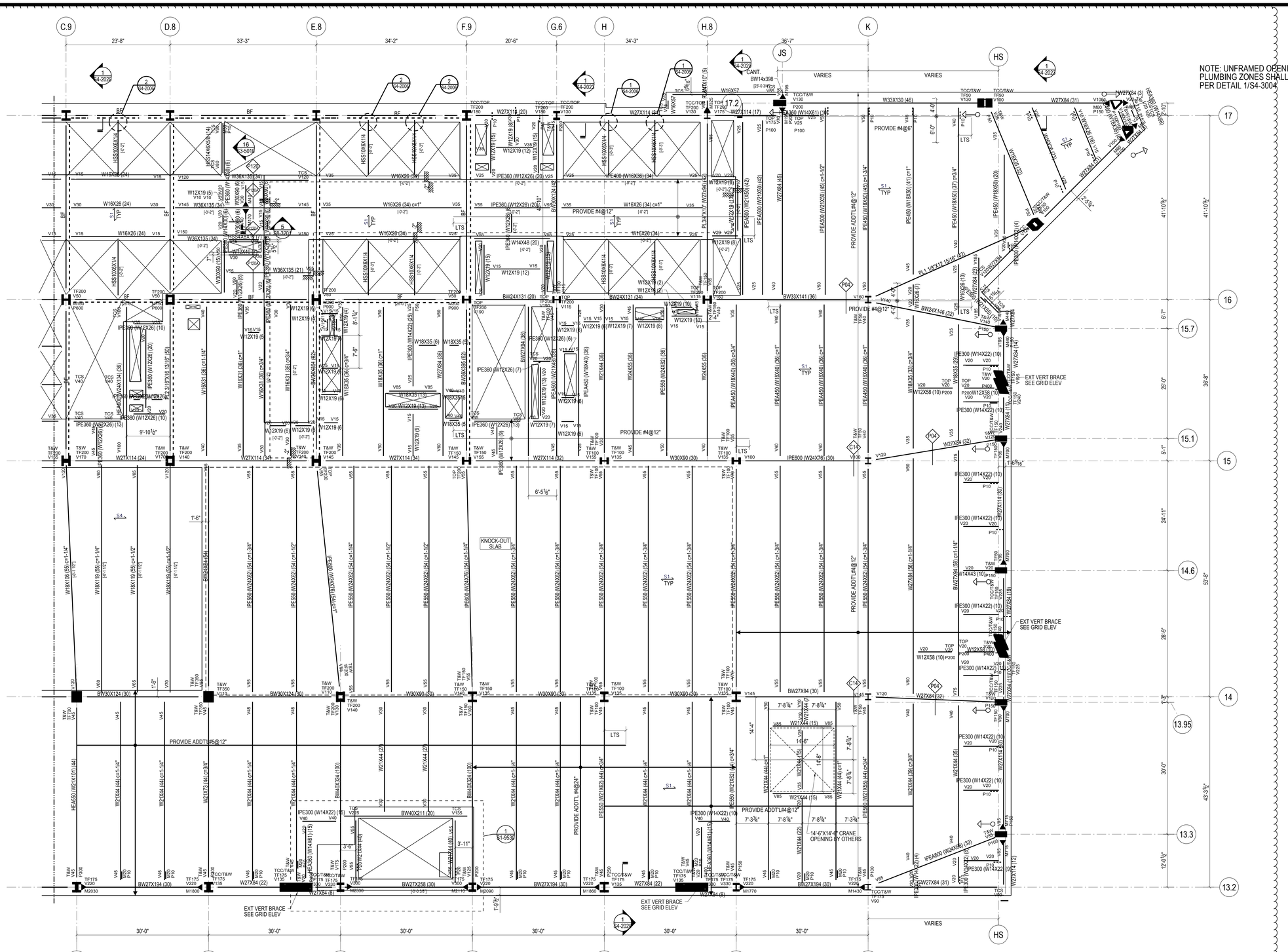
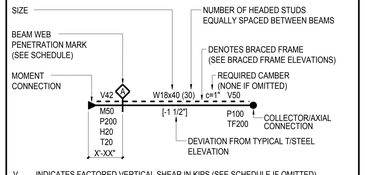
W24X84 (75)
W24X84 (77)
W24X84 (79)
W24X84



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 348'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 348'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ARCHITECTURAL APPLICATIONS
Date: 05/01/2017
NYC Development Hub

0 4' 8' 16'

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500 WEST 33RD STREET
New York, NY

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TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03 08 05 02 07 04 01

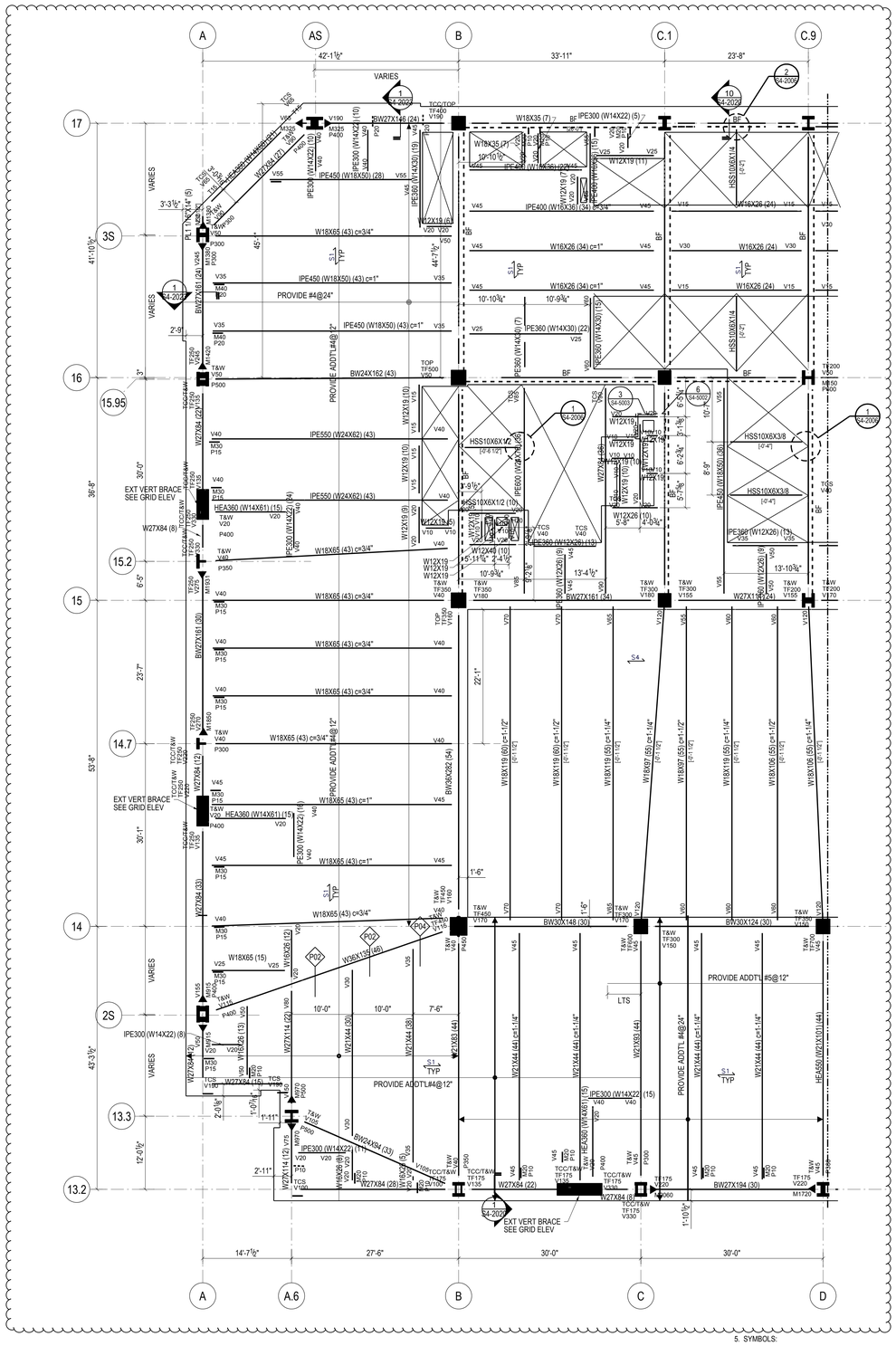
Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — MICHAEL J. DOLAN — 082 — LICENSED PROFESSIONAL ENGINEER

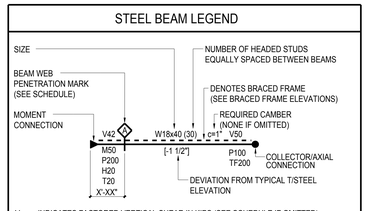
HYE-TA-S1-1803
Drawing Title

FLOOR FRAMING PLAN 18 SECTOR 03

Drawing Number
S1-1803
B-Scan Drawing Number
S-222.01



STEEL BEAM LEGEND



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M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 348'-6" UON THUS:
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2. T/STEEL EL+ 348'-0 1/2" UON
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SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
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HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ARTICULATED STATION
Date: 05/03/2017
NYC Development Hub

N
0 4' 8' 16'

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No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1806
Drawing Title

FLOOR FRAMING PLAN
18 SECTOR 06

Drawing Number
S1-1806
X-Scan Drawing Number
S-223.01

SHEET 85 OF 443

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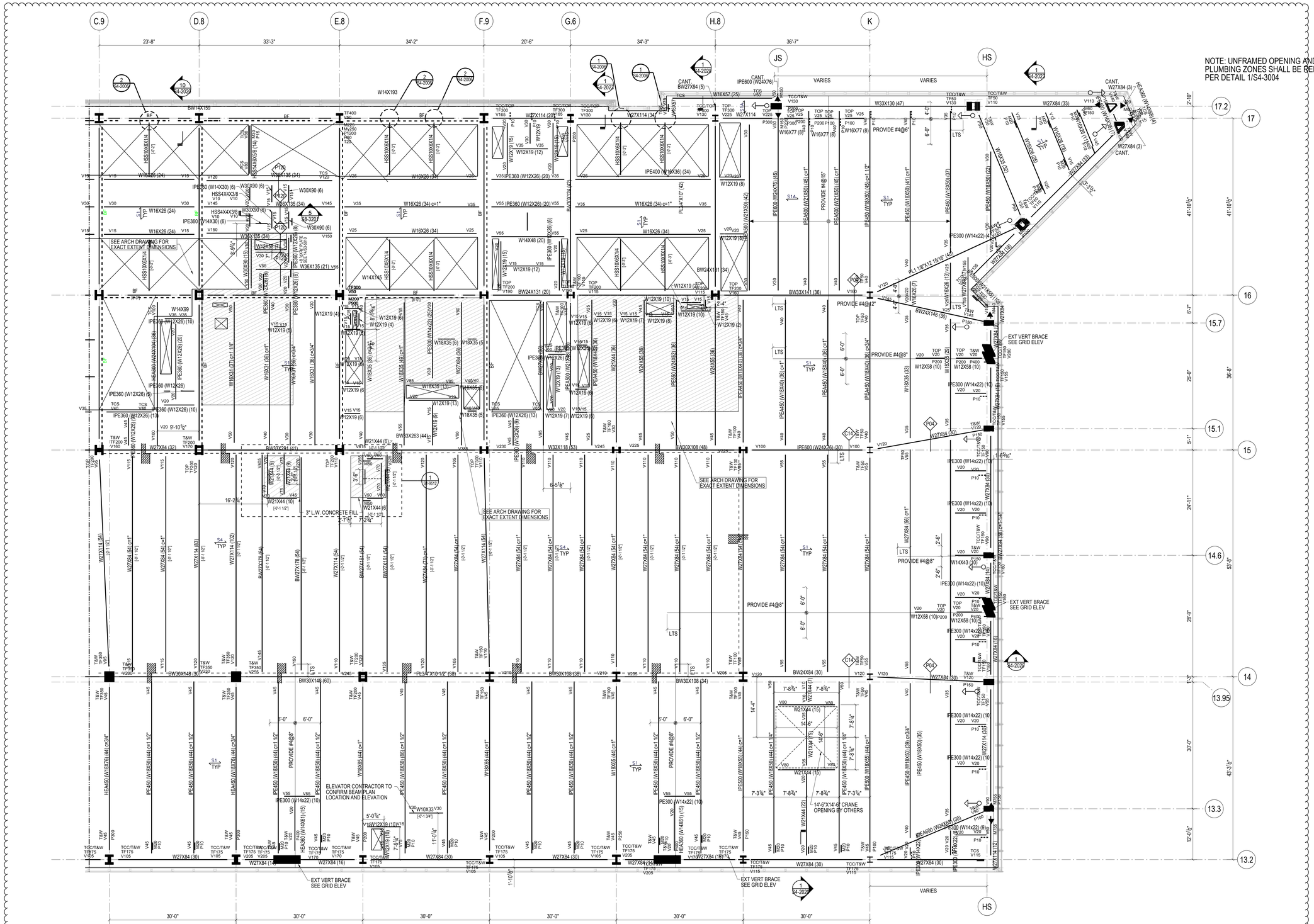
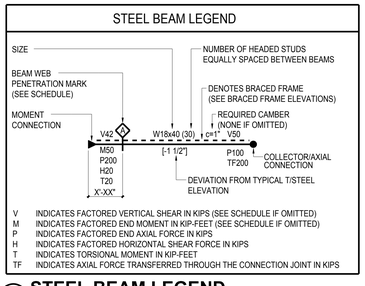


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 366'-6" UON THUS:
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2. T/STEEL EL+ 366'-0 1/2" UON
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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

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- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
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6. NOTATIONS:

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TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

N

0 4' 8' 16'

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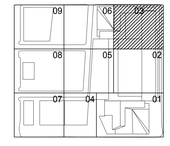
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Drawing Title

FLOOR FRAMING PLAN 19-SECTOR 03

Drawing Number **S1-1903**
B-Scan Drawing Number
S-224.01

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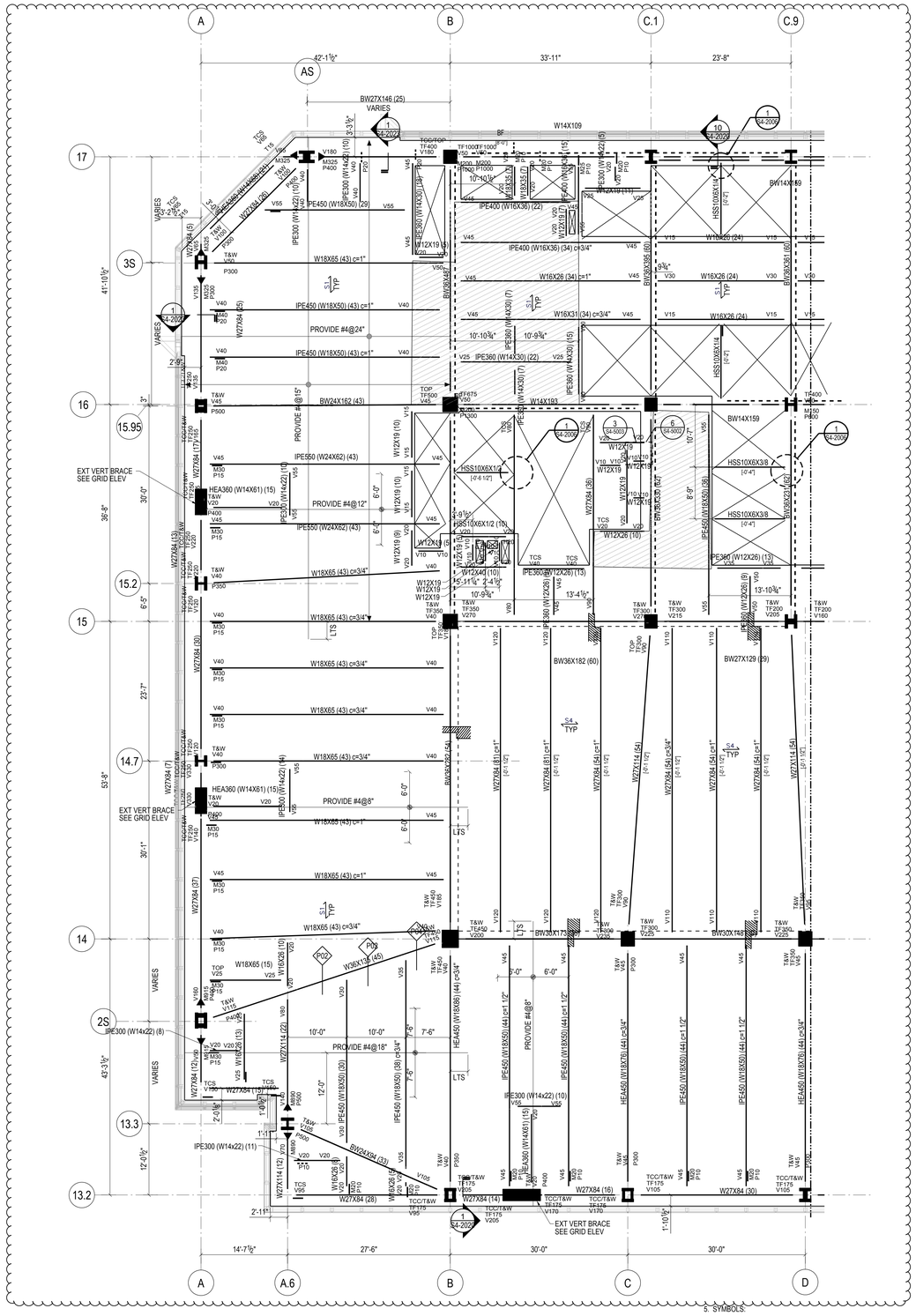
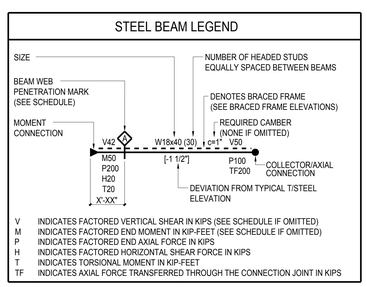


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

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PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
APPROVED AS A FILING
Date: 05/03/2017
NYC Development Hub

N

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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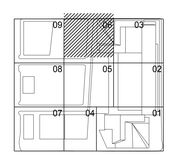
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-1906
Drawing Title

FLOOR FRAMING PLAN 19-SECTOR 06

Drawing Number
S1-1906
D-Scan Drawing Number
S-225.01

SHEET 87 OF 443

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A12-CAD-BLK-0012.DWG Job Number
Batch Code

NOTE: UNFRAMED OPENING AND SLEEVED PLUMBING ZONES SHALL BE REINFORCED PER DETAIL 1/S4-3004

SEE ARCH DRAWING FOR EXACT EXTENT DIMENSIONS

EXT VERT BRACE SEE GRID ELEV

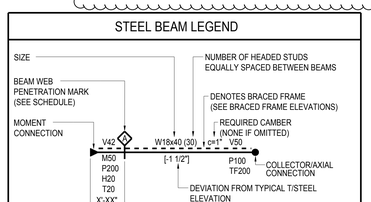
PROVIDE #4@12"

PROVIDE ADDTL #4@12"

14'-6"X14'-6" CRANE OPENING BY OTHERS

VARIES

STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 381'-4" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 380'-10 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
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- UP INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW, COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
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PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2029
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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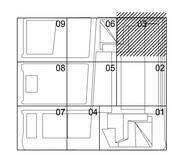
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
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Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

HYE-TA-S1-2003

Drawing Title

FLOOR FRAMING PLAN
20-SECTOR 03

Drawing Number
S1-2003
B-Scan Drawing Number
S-226.01

SHEET 88 OF 443

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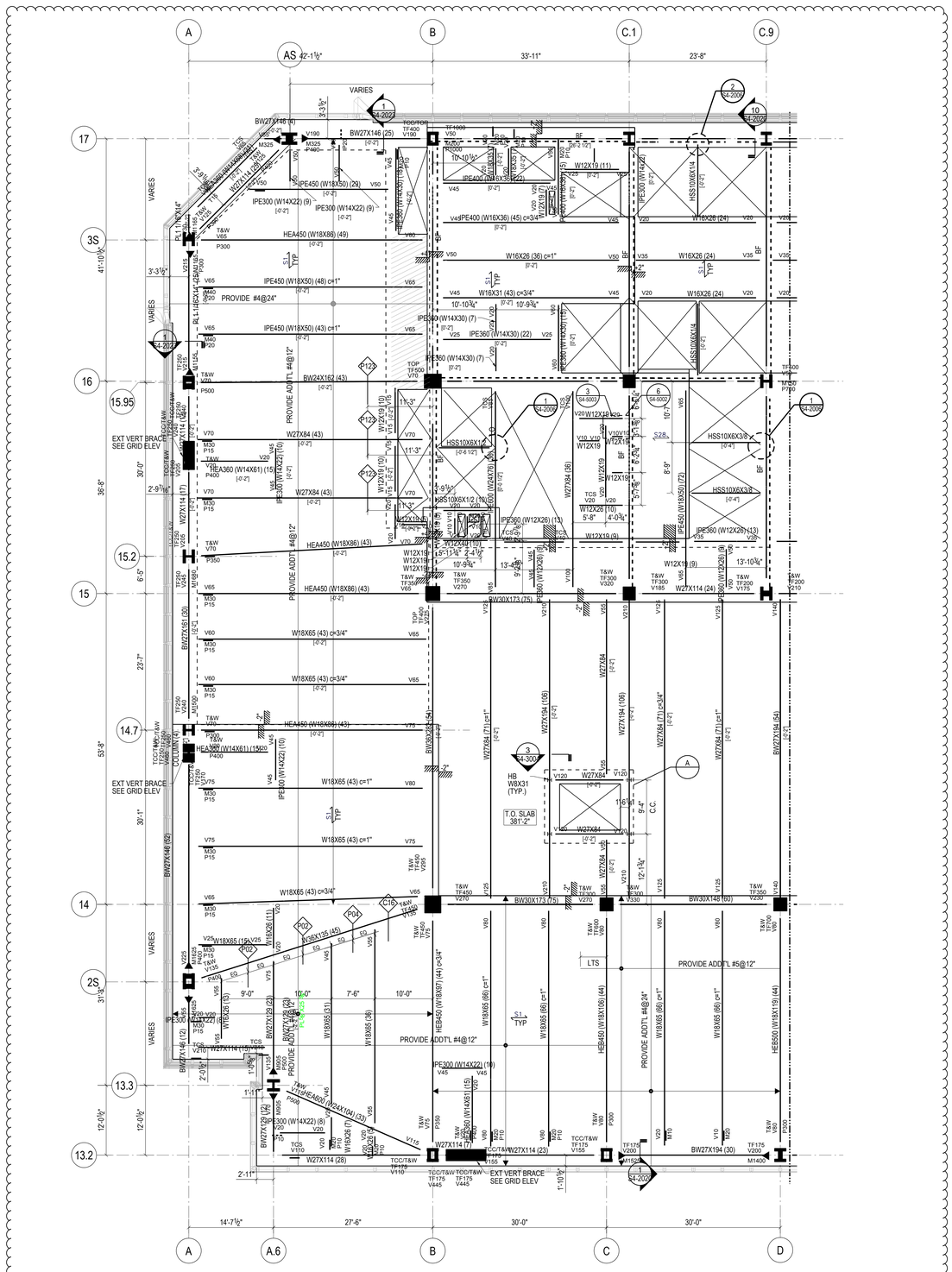
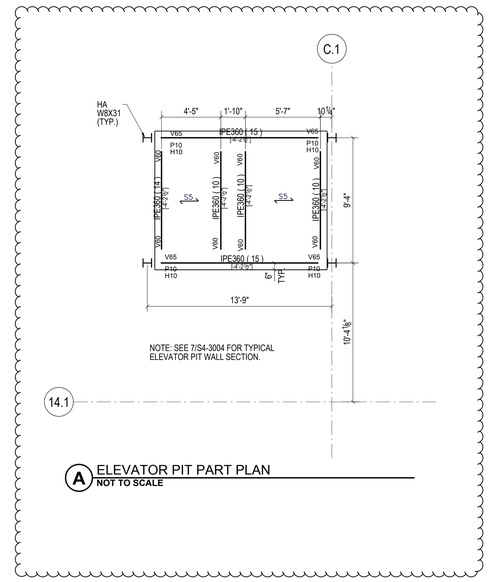
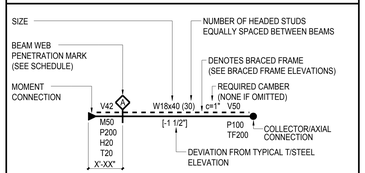




A ELEVATOR PIT PART PLAN
NOT TO SCALE

STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

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TYPICAL SHEET NOTES
NOT TO SCALE

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TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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2	D.O.B AMENDMENT #2	10/15/2016
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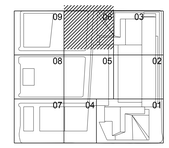
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — MICHAEL J. COLE — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-2006
Drawing Title

FLOOR FRAMING PLAN
20-SECTOR 06

Drawing Number
S1-2006
R-Scan Drawing Number
S-227.01

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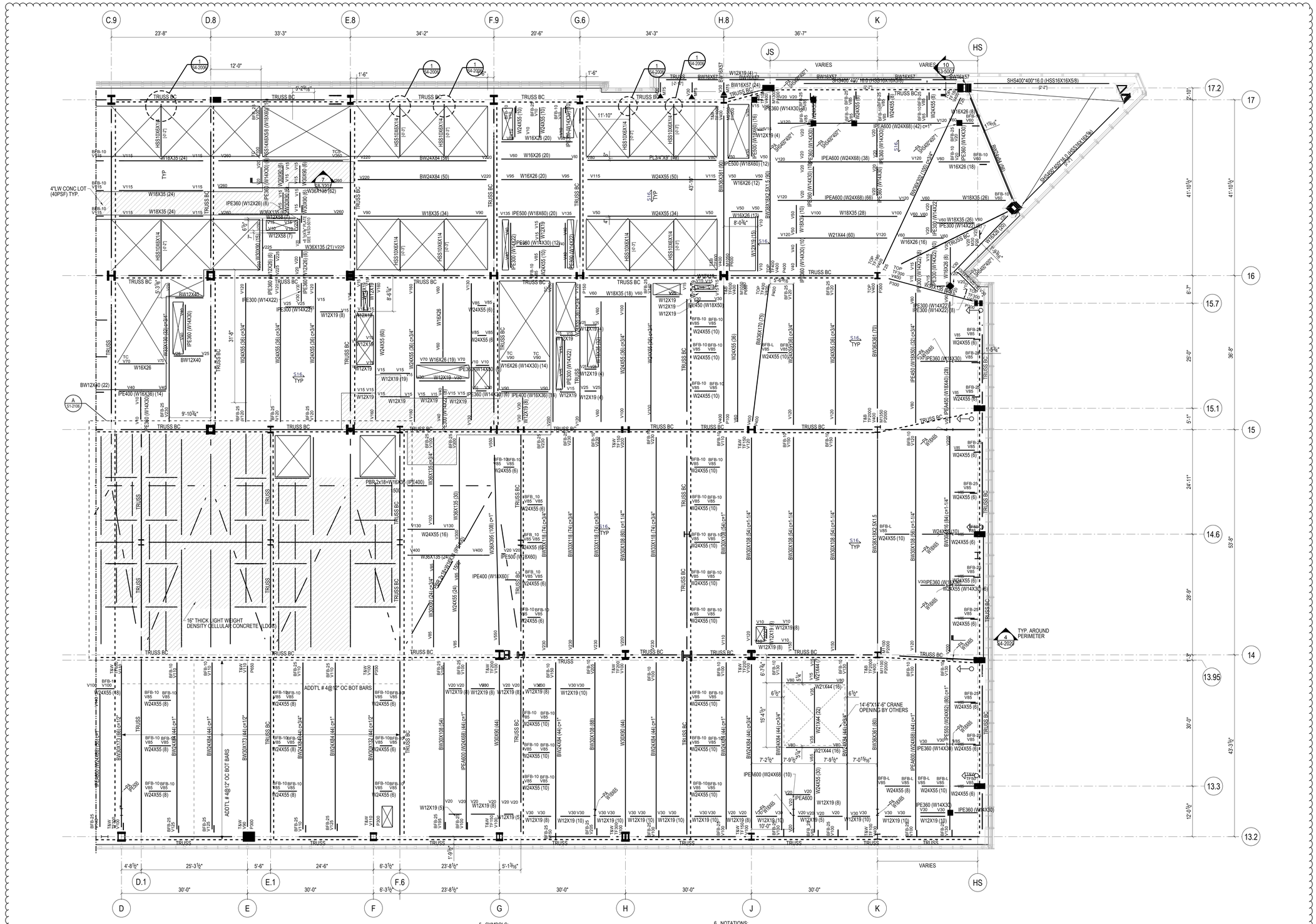
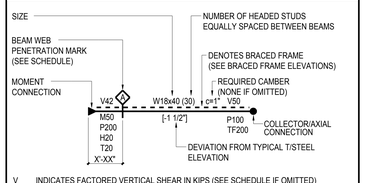
CAT:DF BARCODE:21105C03 Job Number
E3815A9R0B0 Sheet Code



STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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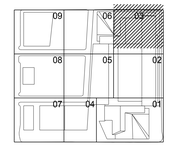
Key Plan



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Sheet Number

Damian Titus
Buildings
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AMENDED APPLICATION
Date: 09/19/2017
NYC Development Hub

HYE-TA-S1-2103

Drawing Title

FLOOR FRAMING PLAN 21-SECTOR 03 (MECHANICAL)

Drawing Number
S1-2103
Revision Drawing Number
S-228.01

SHEET 90 OF 443

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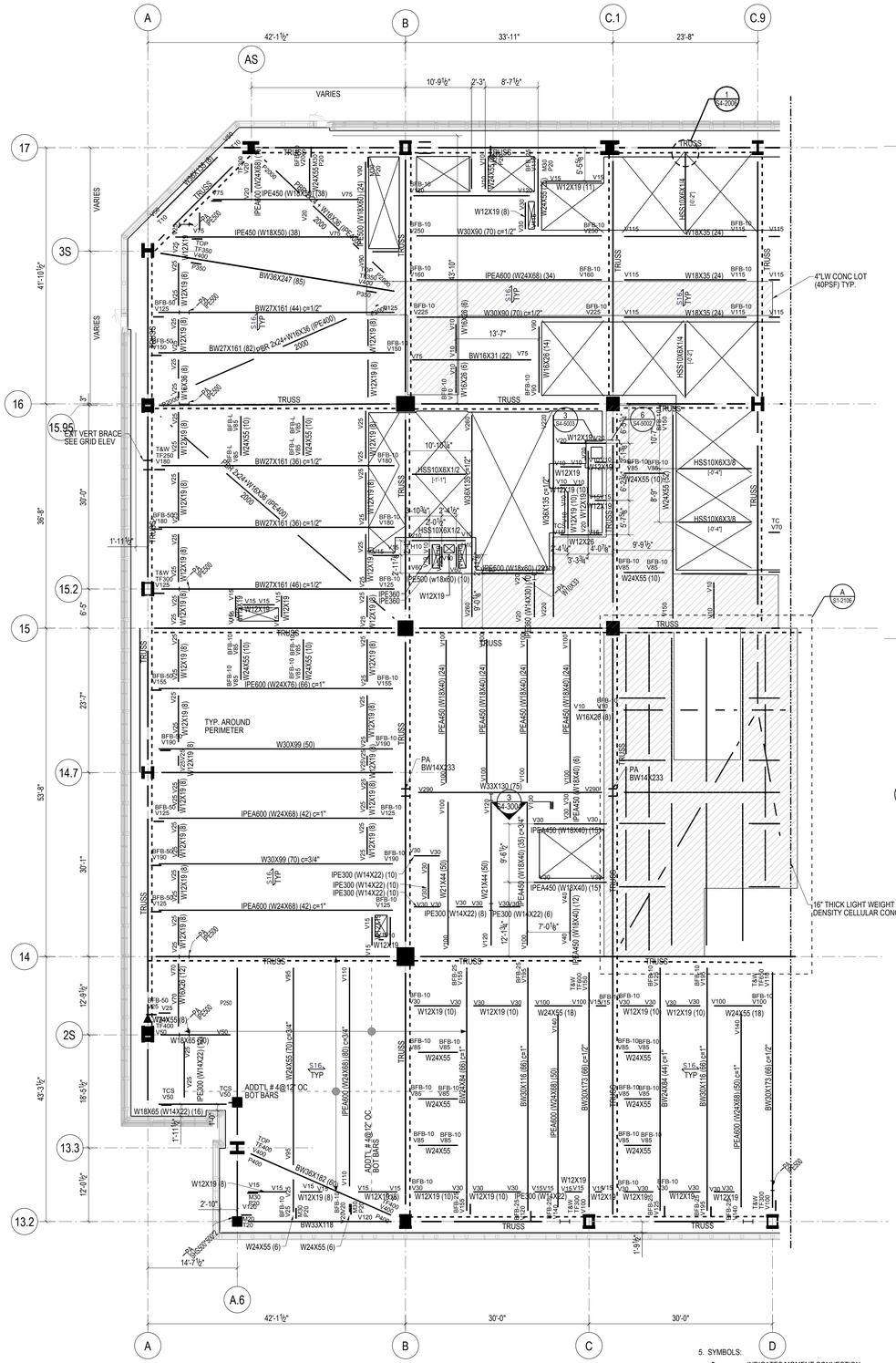
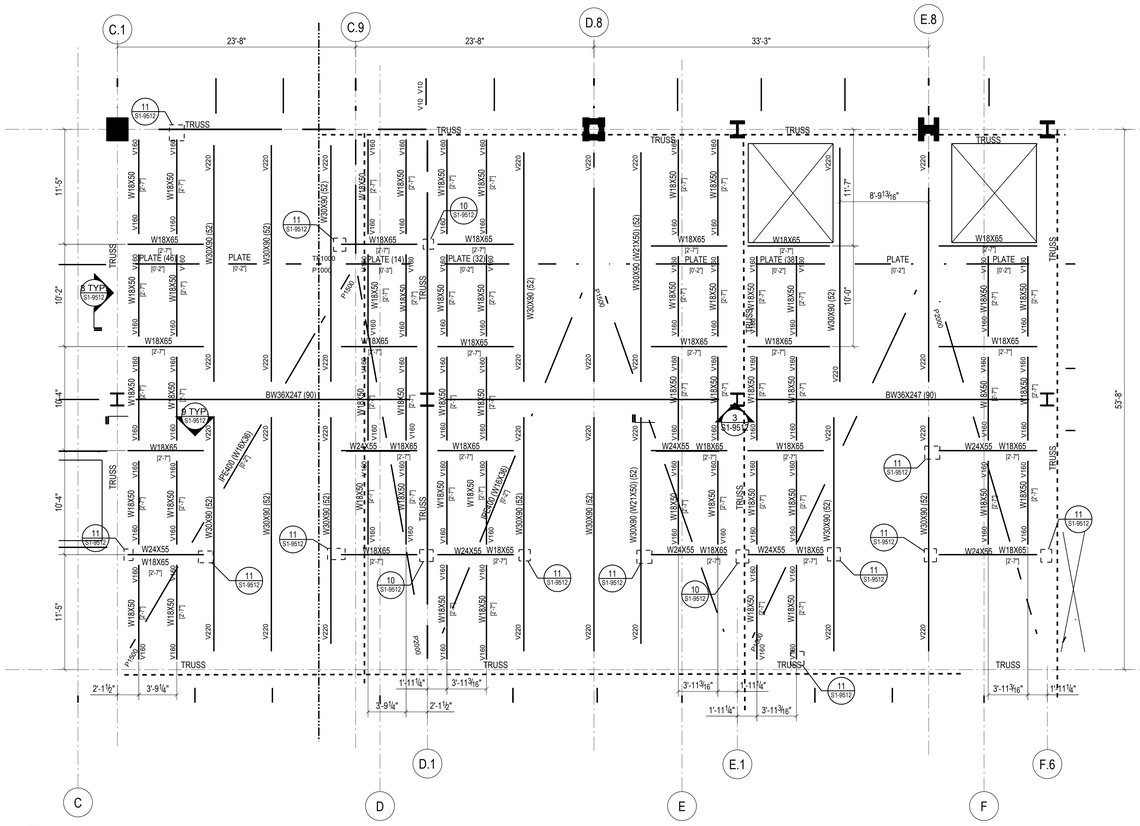
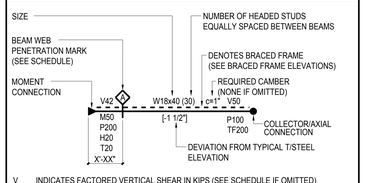




A PART PLAN ELEVATORS
NOT TO SCALE

STEEL BEAM LEGEND



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T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 398'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 397'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES CONTINUOUS BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
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60 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

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Retail Interior Design & Planning
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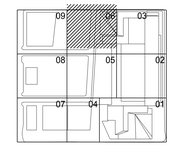
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-2106
Drawing Title

FLOOR FRAMING PLAN
21-SECTOR 06
(MECHANICAL)

Damian Titus
Buildings.nyc
APPROVED
Under Directive 2 of 1975
APPLICANT'S RESPONSIBILITY
Date: 05/03/2017
NYC Development Hub

Drawing Number
S1-2106
B-Scan Drawing Number
S-229.01

0 4' 8' 16'

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CAT:DOB BUILDING PERMIT FILING Job Number
B1000435010 Work Order

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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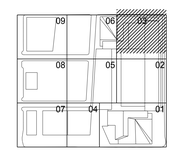
Key Plan



Issue Date	12/10/2014
Project No.	N11328.00
Drawn By:	
Sheet Number	

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Drawing Title

HYE-TA-S1-2103U

FLOOR FRAMING PLAN
21U-SECTOR 03
(UPPER MECH)

Drawing Number
S1-2103U
B-Scan Drawing Number
S-230.01

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STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W18x40 (30) CM1" V50
M50 P200 H20 T20
[-1 1/2"]
P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION
X'-XX"

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 416'-0" UON THUS:
   X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 415'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
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- UP — INDICATES SLOPE IN TOP OF SLAB
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- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
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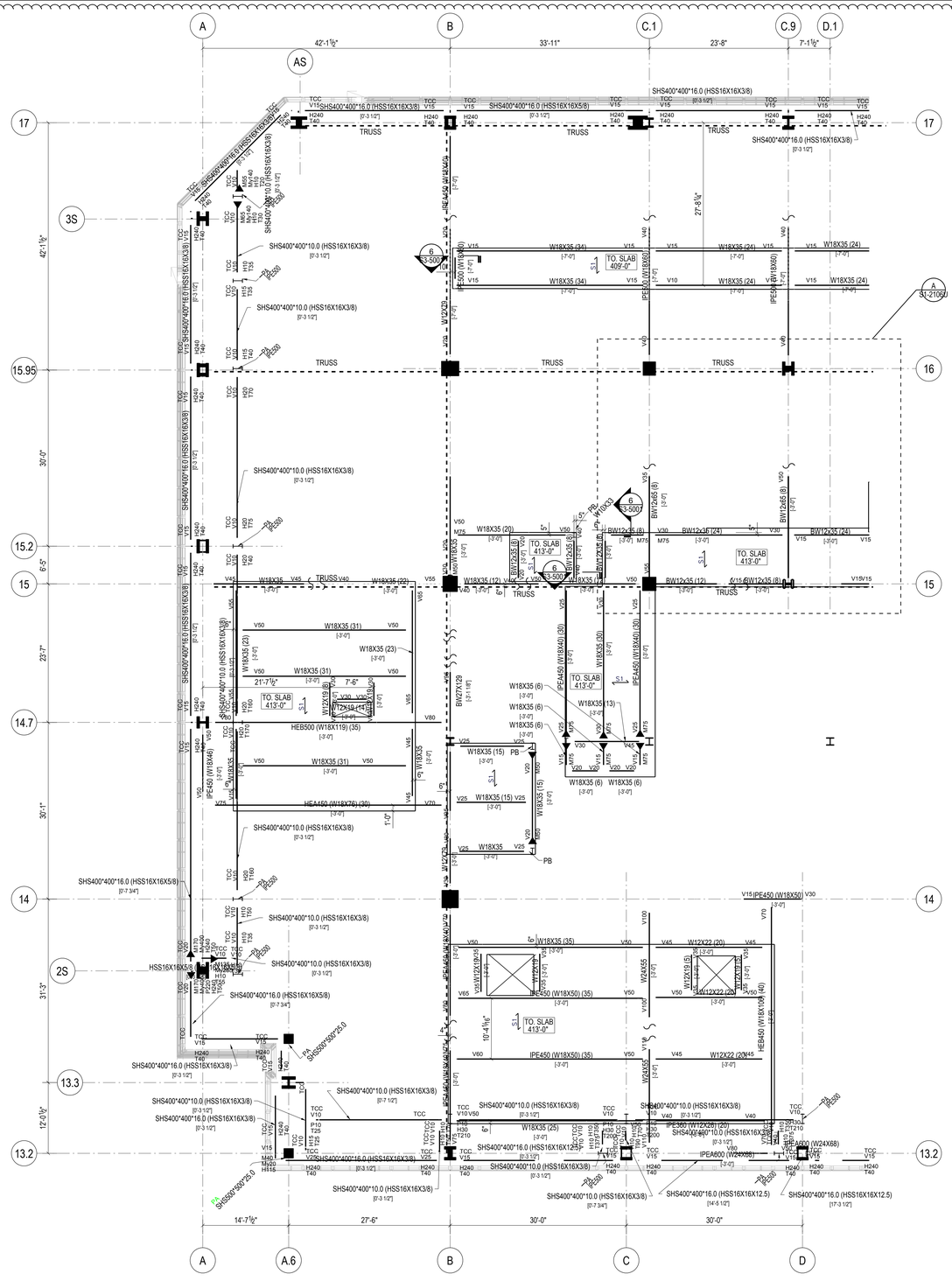
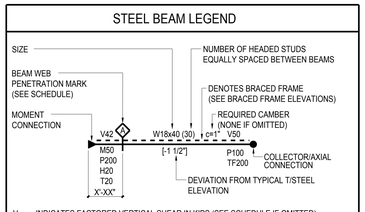
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003



A PART PLAN A T.O. STEEL EL.422'-6 ½"
NOT TO SCALE

STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 416'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 415'-6 1/2" UON
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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

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6. NOTATIONS:

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PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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TRUSS TC	INDICATES TRUSS TOP CHORD
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

N

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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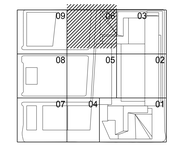
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN T. TITUS — 028... — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-2106U
Drawing Title

FLOOR FRAMING PLAN 21U-SECTOR 06 (UPPER MECH)

Drawing Number
S1-2106U
B-Scan Drawing Number

S-231.01

SHEET 93 OF 443

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CAUTION: BLACK/WHITE PRINTS Job Number
Sheet Index

NOTE: UNFRAMED OPENING AND SLEEVED PLUMBING ZONES SHALL BE REINFORCIED PER DETAIL 1/S4-3004

STEEL BEAM LEGEND

SIZE
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
MOMENT CONNECTION
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
REQUIRED CAMBER (NONE IF OMITTED)
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V42 | W18x40 (30) | [-1 1/2"] | CH1" | V50
M50 P200 H20 T20 X'-XX"
P100 TF200

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 434'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 433'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL SHEET NOTES
NOT TO SCALE

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   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
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6. NOTATIONS:

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PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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2	D.O.B AMENDMENT #2	10/15/2016
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Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-2203

Drawing Title

FLOOR FRAMING PLAN
22-SECTOR 03

Drawing Number
S1-2203
X-Scan Drawing Number
S-232.01

SHEET 94 OF 443

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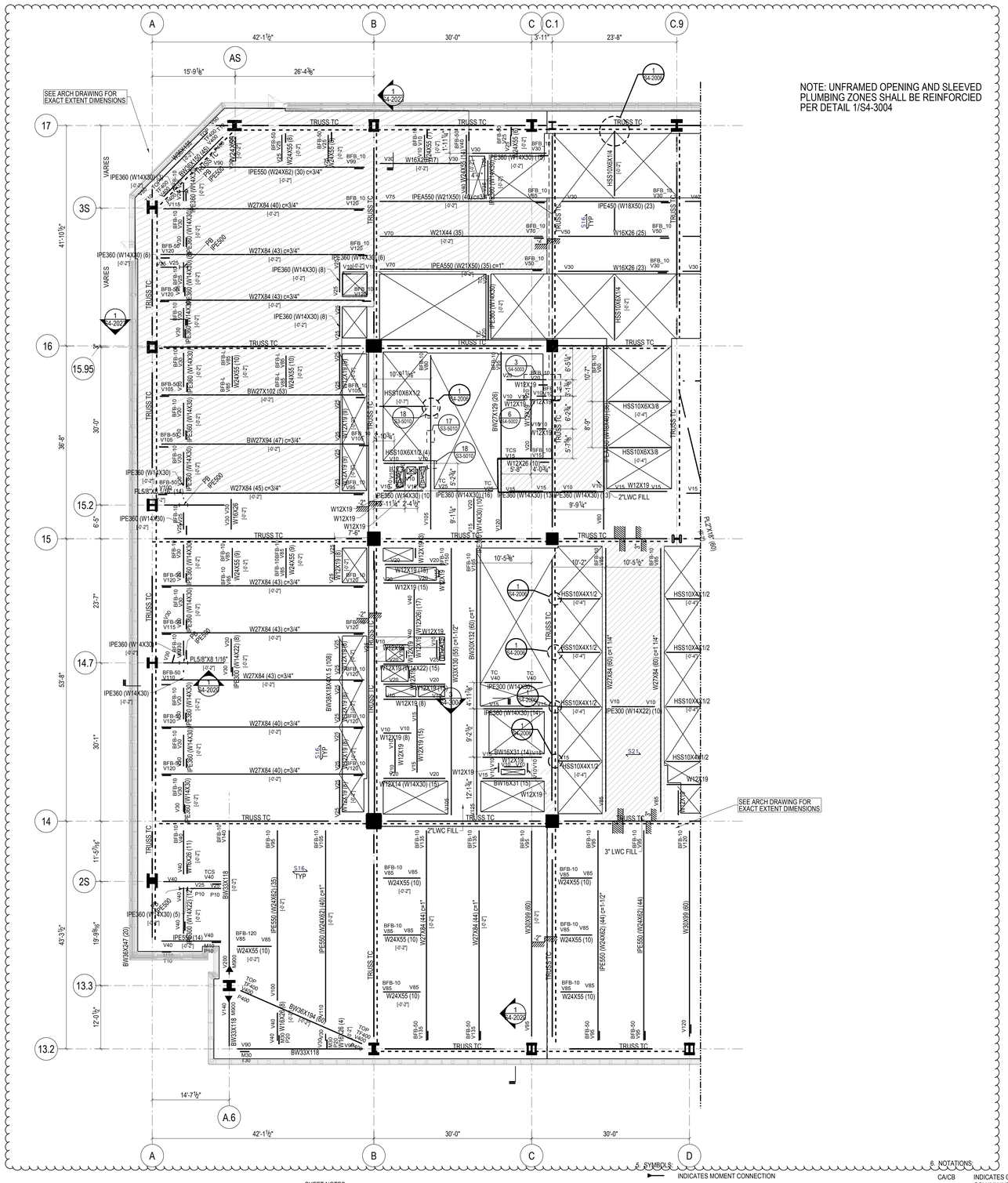
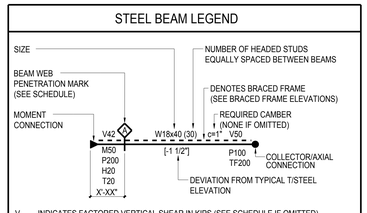


STEEL BEAM LEGEND



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P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 434'-0" UON THUS:
   X' - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 433'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP — INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Building
APPROVED
Under Directive 2 of 1975
APPLICATION
Date: 09/09/2022
NYC Development Hub

N

0 4' 8' 16'

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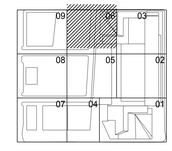
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-2206

Drawing Title

FLOOR FRAMING PLAN
22-SECTOR 06

Drawing Number
S1-2206
Revision Drawing Number
S-233.01

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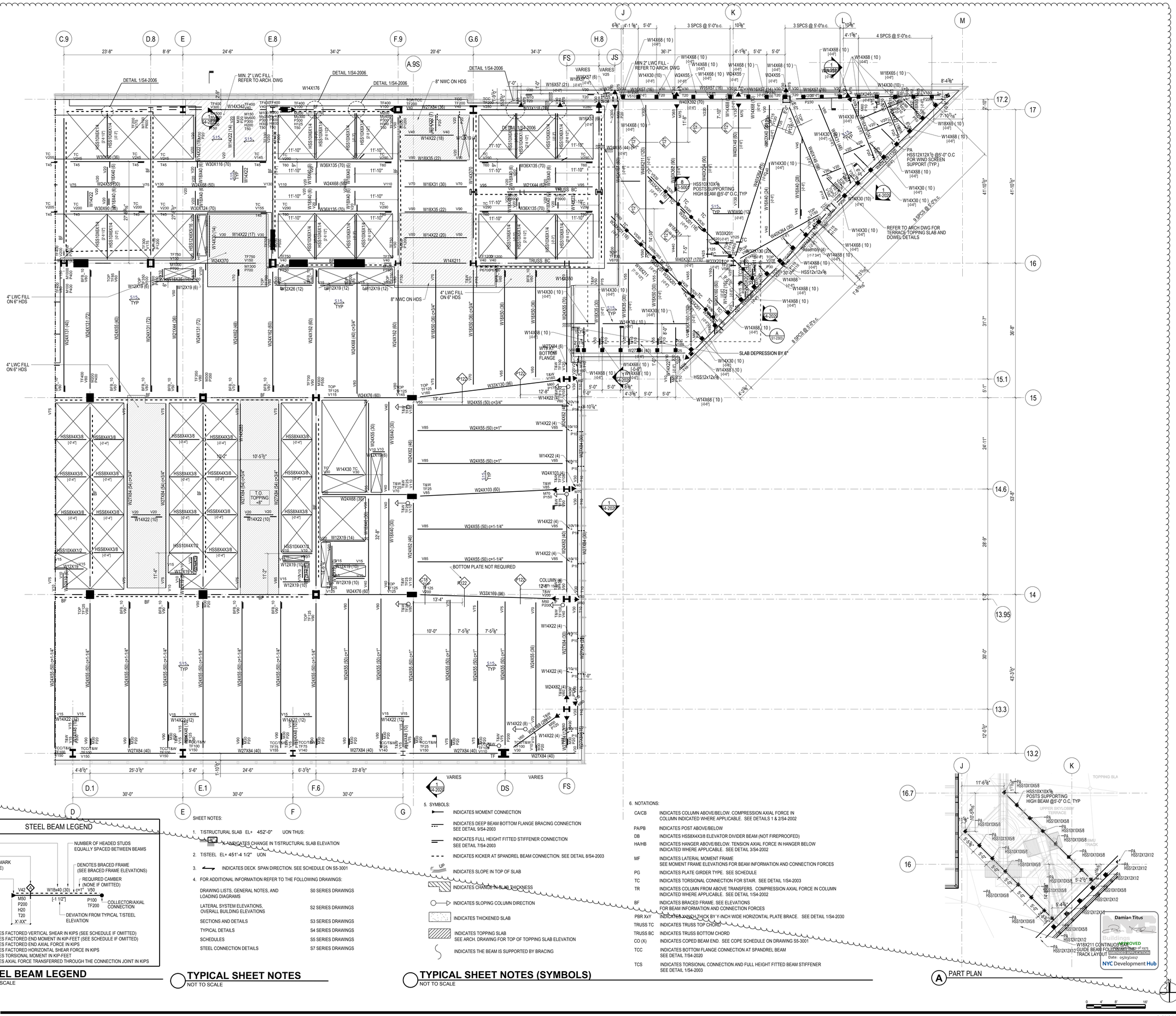
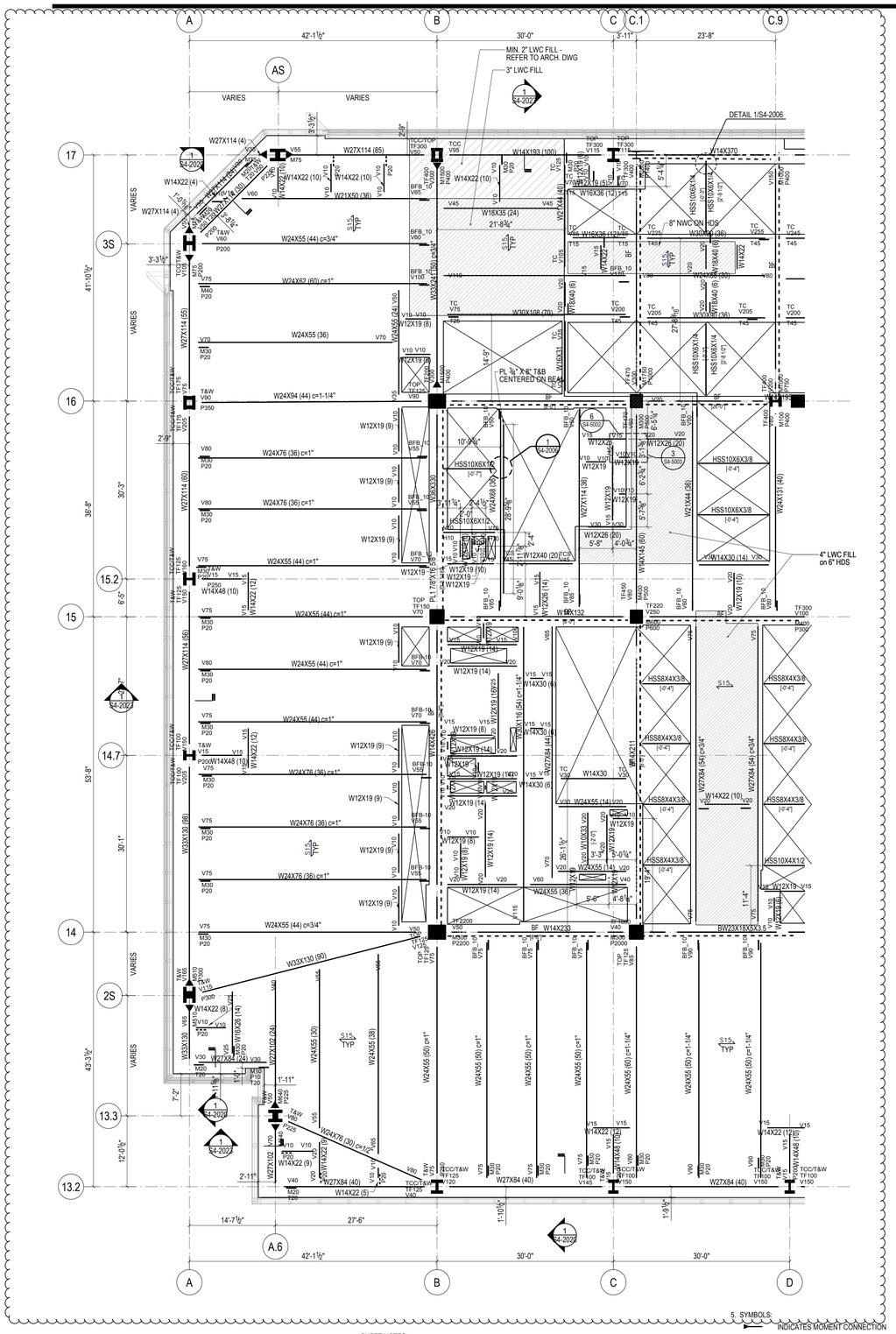

C.9
D.8
E
E.8
F.9
G.6
H.8
J
K
L
M
A.9S
FS
JS
23'-8"
8'-9"
24'-6"
34'-2"
20'-6"
34'-3"
DETAIL 1/S4-2006
MIN. 2" LWC FILL - REFER TO ARCH. DWG
8" NWC ON HDS
4" LWC FILL ON 6" HDS
W14X176
W16X57 (21)
W16X57 (6)
W16X57 (16)
W14X68 (10)
W14X30 (10)
W14X22 (14)
W30X116 (70)
W24X68 (50)
W30X124 (70)
W14X22 (17)
W24X370
W14X211
W12X19 (6)
W12X26 (12)
W12X19 (12)
W24X131 (40)
W24X131 (72)
W24X94 (36)
W24X55 (40)
W24X162 (60)
W24X68 (40) c=3/4"
W18X50 (35) c=3/4"
W18X59 (35) c=3/4"
W24X55 (70)
W24X84 (6)
W12X19 (8)
W24X76 (60)
W24X55 (50) c=3/4"
W24X55 (50) c=1"
W24X55 (50) c=1-1/4"
W24X103 (4)
W24X103 (60)
W24X62 (40)
W24X62 (46)
W18X40 (30)
W14X22 (4)
W14X22 (10)
W12X19 (10)
W27X84 (54) c=3/4"
W27X84 (30)
W27X84 (40)
W27X84 (50)
W14X22 (12)
W14X22 (20)
W14X22 (8)
W14X48 (10)
W24X55 (30)
W24X55 (35)
W24X62 (48)
W24X62 (60)
W24X68 (30)
W24X76 (60)
W33X130 (96)
W33X169 (96)
W40X392 (70)
W40X327 (170)
W40X211 (120)
W40X264 (30)
W40X294 (30)
W40X324 (30)
W40X503 (45)
W40X431 (105)
W40X431 (99)
W40X149 (99)
W40X183 (48)
W40X249 (60)
W40X264 (60)
W40X278 (60)
W40X297 (60)
W40X324 (60)
W40X362 (60)
W40X372 (60)
W40X431 (60)
W40X503 (60)
W33X201
W33X241
W33X291
W33X354
W33X387
W18X65 (10)
W14X30 (10)
W14X68 (10)
W14X68 (10)
W14X30 (10)
W14X68 (10)
W14X30 (10)
W14X68 (10)
W14X30


A
B
C
C.1
C.9
AS
42'-1½"
30'-0"
3'-11"
23'-8"
VARIES
MIN. 2" LWC FILL - REFER TO ARCH. DWG
3" LWC FILL
DETAIL 1/S4-2006
17
16
15.2
15
14.7
14
13.3
13.2
3S
2S
A.6
41'-10½"
35'-8"
30'-3"
6'-5"
53'-8"
30'-1"
43'-3½"
12'-0½"
14'-7½"
27'-6"
W14X370
W14X193 (100)
W14X22 (10)
W14X22 (4)
W27X114 (4)
W27X114 (85)
W21X50 (36)
W18X35 (24)
W24X55 (44) c=3/4"
W24X62 (60) c=1"
W24X55 (24)
W12X19 (8)
W24X55 (44) c=1"
W24X94 (44) c=1-1/4"
W24X76 (36) c=1"
W14X48 (10)
W14X22 (12)
W24X55 (44) c=3/4"
W33X130 (90)
W14X22 (8)
W27X84 (24)
W24X76 (30) c=1/2"
W27X84 (40)
W14X22 (5)
W14X22 (9)
W16X36 (12)
W30X90 (36)
W24X55 (30)
W24X55 (38)
W24X55 (50) c=1"
W24X55 (50) c=1-1/4"
W24X55 (60) c=1"
W24X55 (60) c=1-1/4"
W24X55 (14)
W24X55 (36)
W14X30 (6)
W14X30 (14)
W12X19 (14)
W12X19 (9)
W12X19 (10)
W12X19 (8)
W12X26 (20)
W12X40 (20)
W14X145 (60)
W14X30 (10)
W14X22 (10)
W27X84 (54) c=3/4"
W27X84 (54) c=1"
W18X40 (6)
W30X108 (70)
W30X90 (36)
W24X55 (24)
W24X68 (30)
W24X76 (36)
W24X131 (40)
W27X114 (36)
W27X114 (60)
W27X114 (98)
W27X114 (55)
W33X130 (98)
W27X102 (24)
W27X102
W27X94
W21X44 (36)
W14X22 (12)
W14X48 (10)
W14X22 (9)
W14X22 (10)
W12X19 (5)
W12X19 (10)
W12X19 (14)
W12X19 (16)
W12X19 (18)
W14X30 (6)
W14X30
W14X211
W10X33
W24X55 (14)
W24X55 (36)
W24X55 (38)
W24X55 (50) c=1"
W24X55 (50) c=1-1/4"
W24X55 (60) c=1"
W24X55 (60) c=1-1/4"
W27X84 (40)
W27X84 (54) c=3/4"
W27X84 (54) c=1"
W14X22 (10)
W14X22 (12)
W14X48 (10)
W14X22 (9)
W14X22 (8)
W14X22 (5)
W12X19 (9)
W12X19 (14)
W12X19 (8)
W12X19 (10

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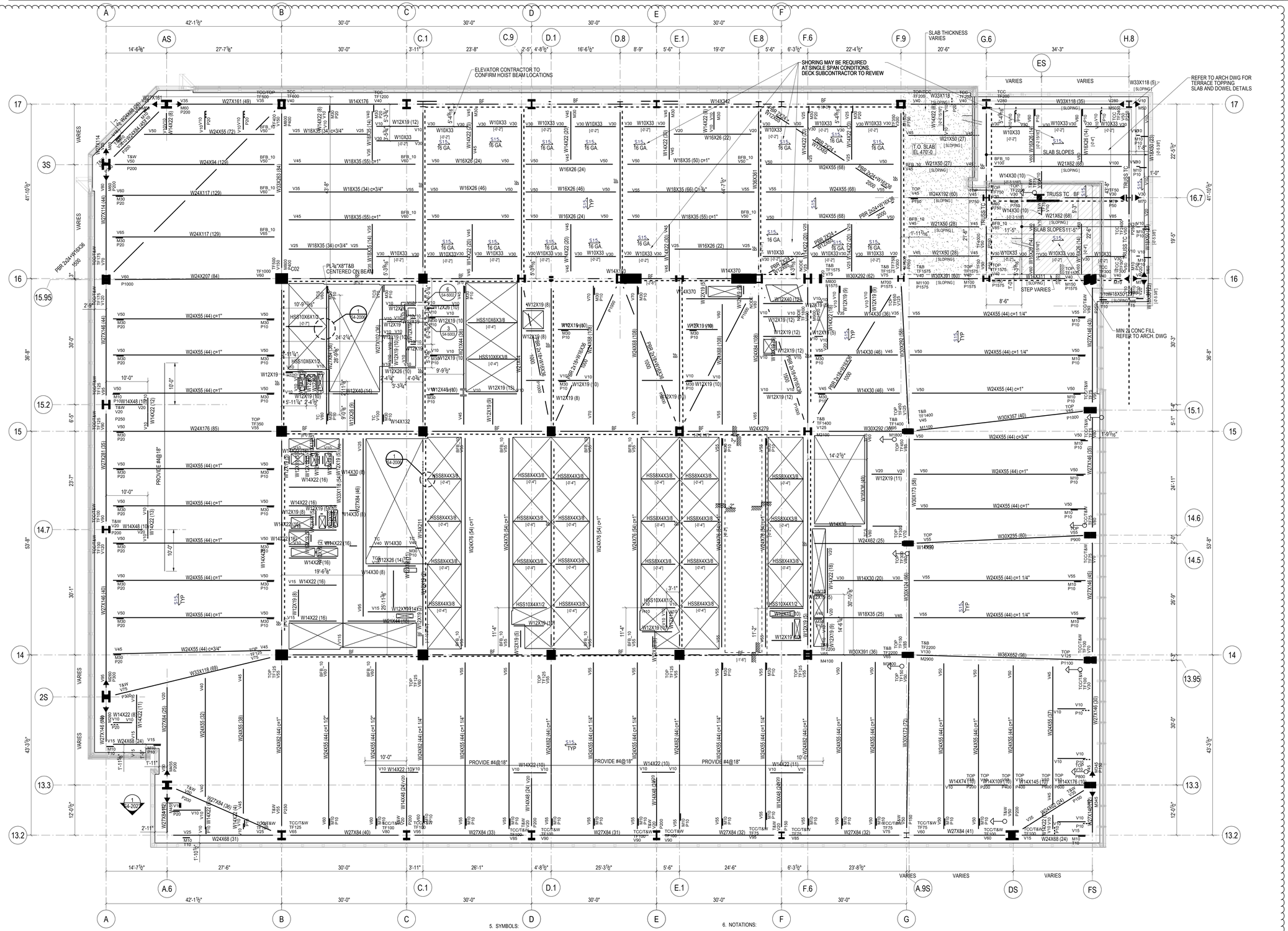
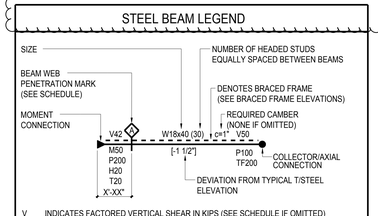


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
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T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 470'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 469'-4 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
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   - INDICATES THICKENED SLAB
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6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X8X3/8 ELEVATOR PIT BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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Under Directive 2 of 1975
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0 4' 8' 16'

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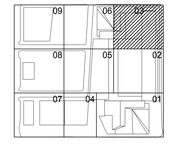
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-2403
Drawing Title

FLOOR FRAMING PLAN 24-SECTOR 03

Drawing Number **S1-2403**
R/Num Drawing Number S-236.01

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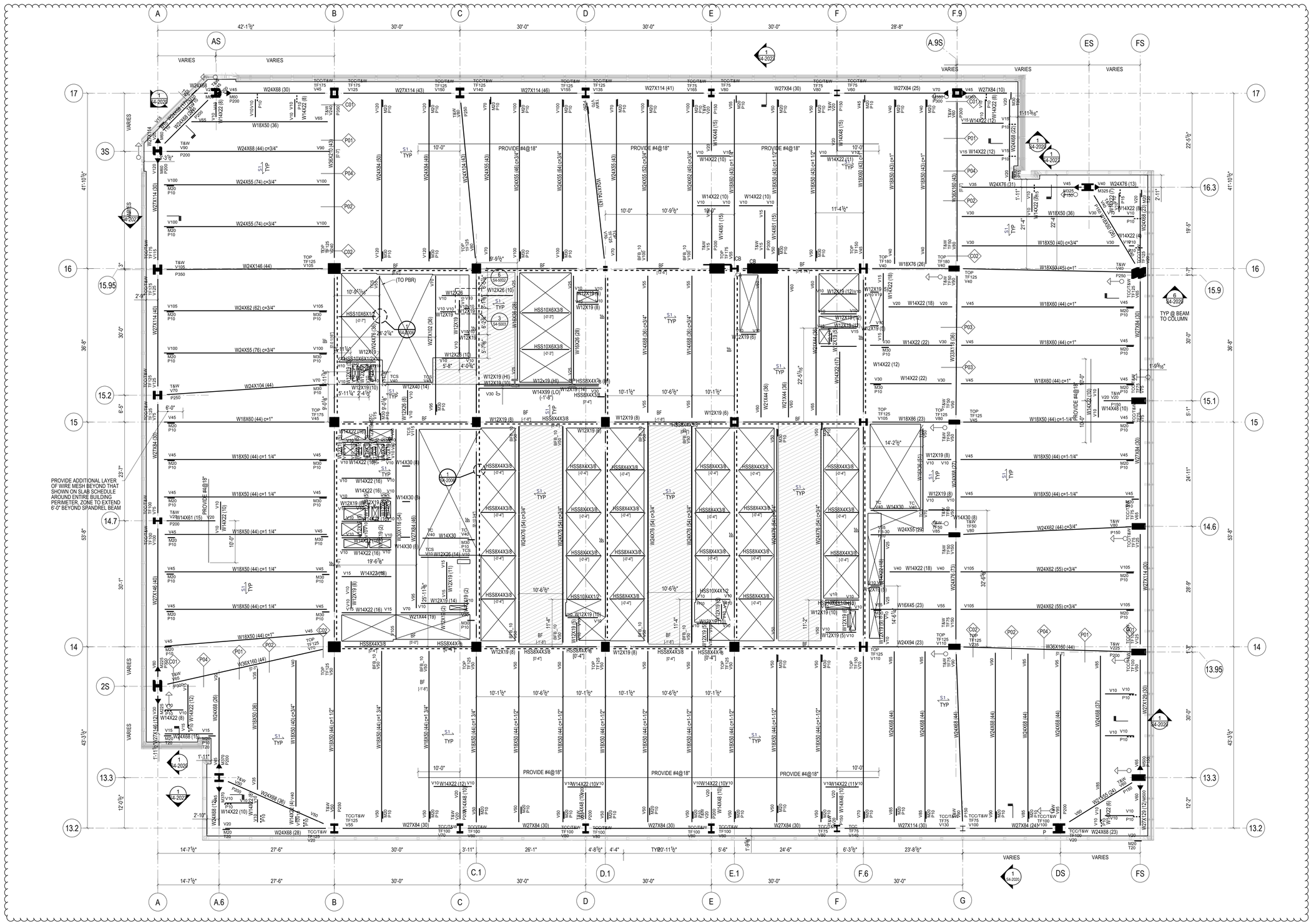
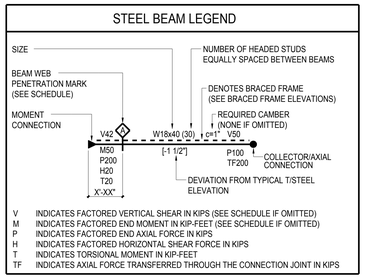


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

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TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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0 4' 8' 16'

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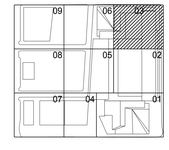
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-2503

Drawing Title

FLOOR FRAMING PLAN
25 (TYPICAL LOW RISE)
SECTOR 03

Drawing Number
S1-2503
X-Scan Drawing Number
S-238.01

SHEET 99 OF 443

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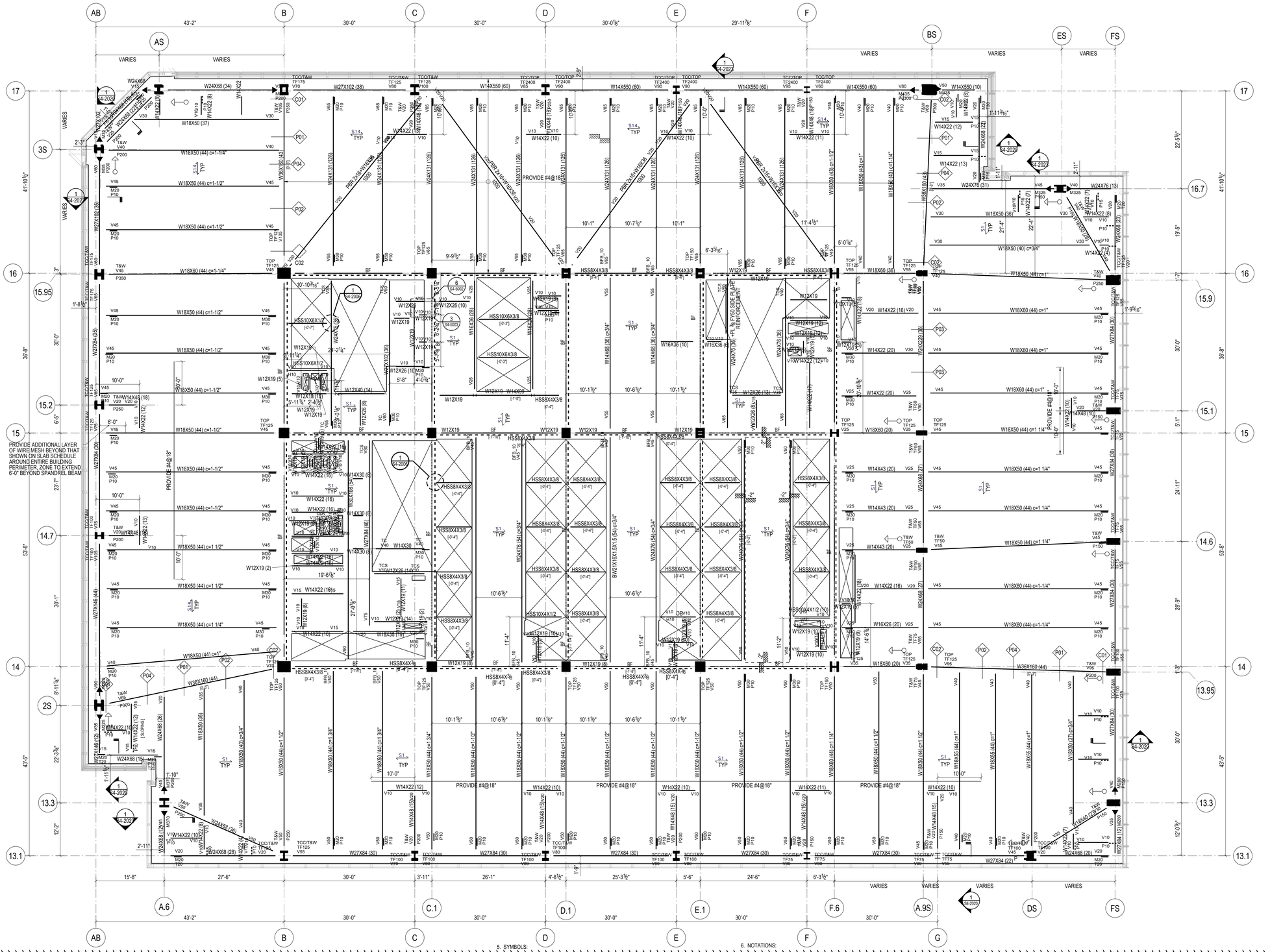
AB
AS
B
C
D
E
F
BS
ES
FS
17
16
15
14
13
3S
2S
16.7
15.9
15.1
14.6
13.95
13.3
13.1
15.95
15.2
14.7
43'-2"
30'-0"
30'-0"
30'-0"1⅛"
29'-11⅞"
VARIES
W24X68 (34)
W27X102 (38)
W14X550 (60)
W14X550 (10)
W18X50 (37)
W18X50 (44) c=1-1/4"
W18X50 (44) c=1-1/2"
W18X60 (44) c=1-1/4"
W18X60 (36)
W18X60 (44) c=1"
W18X60 (44) c=1-1/4"
W24X76 (31)
W24X76 (13)
W18X50 (36)
W18X50 (48) c=1"
W14X22 (13)
W14X22 (12)
W14X22 (8)
W14X48 (18)
W14X48 (15)
W14X48 (10)
W14X22 (16)
W14X22 (20)
W14X43 (20)
W14X22 (10)
W14X22 (11)
W14X22 (7)
W24X68 (22)
W24X68 (25)
W24X68 (26)
W24X68 (28)
W24X68 (30)
W24X68 (15)
W24X68 (27)
W27X84 (30)
W27X84 (22)
W27X94 (35)
W27X102 (35)
W27X146 (44)
W27X146 (12)
W36X160 (44)
W36X150 (43)
W18X55 (44) c=1"
W18X55 (44) c=1-1/4"
W18X50 (37) c=3/4"
W16X36 (8)
W16X26 (20)
W12X19 (10)
W12X19 (9)
W12X19 (8)
W12X19 (5)
W12X19 (2)
W12X40 (14)
W12X26 (10)
W12X26 (8)
W12X26 (13)
W12X26 (15)
W12X19 (12)
W12X19 (16)
W14X68 (58) c=3/4"
W14X68 (58) c=1"
W14X30 (6)
W14X30
W14X22 (19)
W14X22 (18)
W14X22 (16)
W14X22 (10)
W14X22 (12)
W14X22 (13)
W14X22 (8)
W14X22 (7)
W14X48 (15)
W14X48 (10)
W14X43 (20)
W18X35 (10)
W18X40 (15)
W18X40 (12)
W16X40 (17)
W16X36 (28)
W16X36 (10)
W16X36 (8)
W12X65 (17)
W12X65 (14)
W24X76 (36)
W24X76 (28)
W24X131 (126)
W24X131 (128)
W24X131 (26)
W24X94 (30)
W24X94 (27)
W24X84 (30)
W24X84 (27)
W24X68 (27)
W24X68 (25)
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W24X68 (20)
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W24X68 (7)
W24X68 (6)
W24X68 (5)
W24X68 (4)
W24X68 (3)
W24X68 (2)
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W24X55 (8)
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W24X55 (6)
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W24X131 (126)
W24X131 (26)
W24X131 (128)
W24X131 (126

CAT.NO. BA0001731RK01 Job Number
E1509057/0/00 Shell 01/08

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Jaros Baum & Bolles Consulting Engineers
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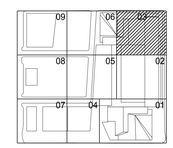
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED PLANS
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-2703

Drawing Title

FLOOR FRAMING PLAN
27-SECTOR 03

Drawing Number
S1-2703
R-Scan Drawing Number
S-240.01

SHEET 101 OF 443

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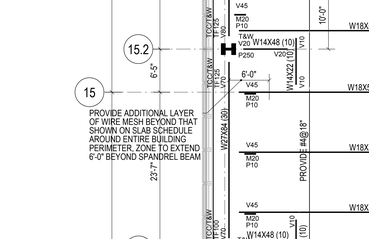
STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 515'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 514'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

5. SYMBOLS

	INDICATES MOMENT CONNECTION
	INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
	INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
	INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
UP	INDICATES SLOPE IN TOP OF SLAB
	INDICATES CHANGE IN SLAB THICKNESS
	INDICATES SLOPING COLUMN DIRECTION
	INDICATES THICKENED SLAB
	INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
	INDICATES THE BEAM IS SUPPORTED BY BRACING

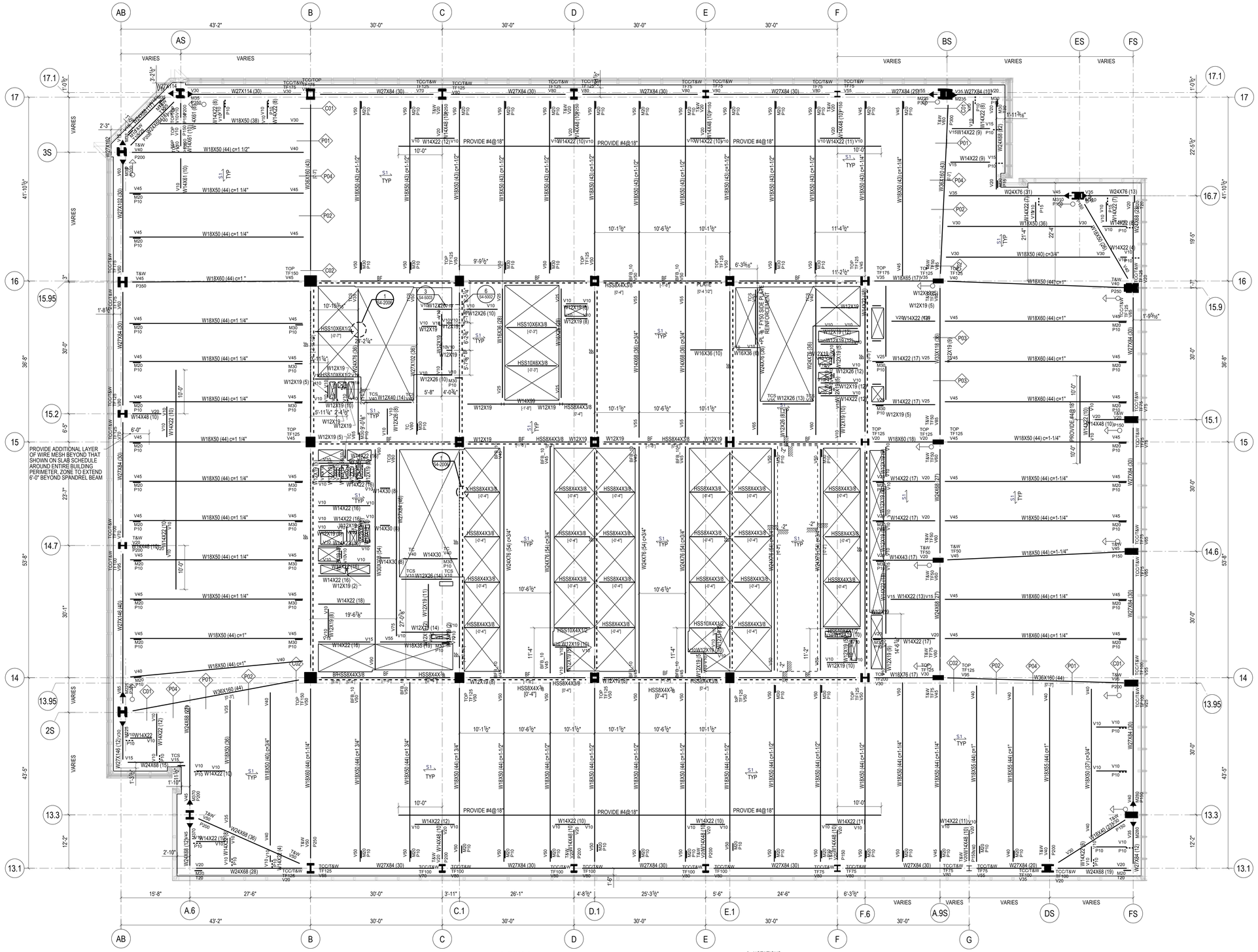
6. NOTATIONS

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

N

0 4' 8' 16'


AB
B
C
D
E
F
AS
BS
ES
FS
43'-2"
30'-0"
VARIES
17.1
17
16.7
16
15.95
15.9
15.2
15.1
15
14.7
14.6
14
13.95
13.3
13.1
41'-10½"
36'-8"
30'-0"
22'-5½"
19'-5"
1'-0"
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER, ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
PROVIDE #4@18"
10'-0"
W18X50 (44) c=1 1/2"
W18X50 (44) c=1 1/4"
W18X60 (44) c=1"
W18X60 (44) c=1-1/4"
W18X50 (44) c=1"
W18X50 (38)
W18X50 (36)
W18X50 (40) c=3/4"
W18X50 (37) c=3/4"
W36X160 (44)
W36X160 (43)
W24X76 (31)
W24X76 (13)
W14X22 (12)
W14X22 (10)
W14X22 (11)
W14X22 (9)
W14X22 (17)
W14X22 (16)
W14X22 (18)
W14X22 (13)
W12X19 (5)
W12X19 (10)
W12X19 (11)
W12X19 (9)
W12X19 (12)
W12X19 (13)
W12X19 (16)
W12X19 (19)
W12X19 (2)
W12X19 (8)
W12X19
W16X36 (8)
W16X36 (10)
W16X65 (17)
W18X76 (17)
W18X60 (18)
W14X30 (8)
W14X30
W14X43 (17)
W14X48 (10)
W14X48 (8)
W14X48 (16)
W24X68 (28)
W24X68 (15)
W24X68 (19)
W24X68 (27)
W24X76 (54) c=3/4"
W24X76 (36)
W27X84 (30)
W27X84 (20)
W27X94 (10)
W27X102 (30)
W27X114 (30)
W27X146 (40)
W27X146 (48)
W30X148 (43)
W30X173 (54)
W30X173 (61)
W33X118 (8)
W40X149 (29)
W40X167 (29)
W40X183 (29)
W40X211 (29)
W40X264 (29)
W40X324 (29)
W40X362 (29)
W40X392 (29)
W40X431 (29)
W40X503 (29)
W40X593 (29)
W40X655 (29)
W40X655 (41)
W40X655 (44)
W40X655 (47)
W40X655 (49)
W40X655 (51)
W40X655 (53)
W40X655 (55)
W40X655 (57)
W40X655 (59)
W40X655 (61)
W40X655 (63)
W40X655 (65)
W40X655 (67)
W40X655 (69)
W40X655 (71)
W40X655 (73)
W40X655 (75)
W40X655 (77)
W40X655 (79)
W40X655 (81)
W40X655 (83)
W40X655 (85)
W40X655

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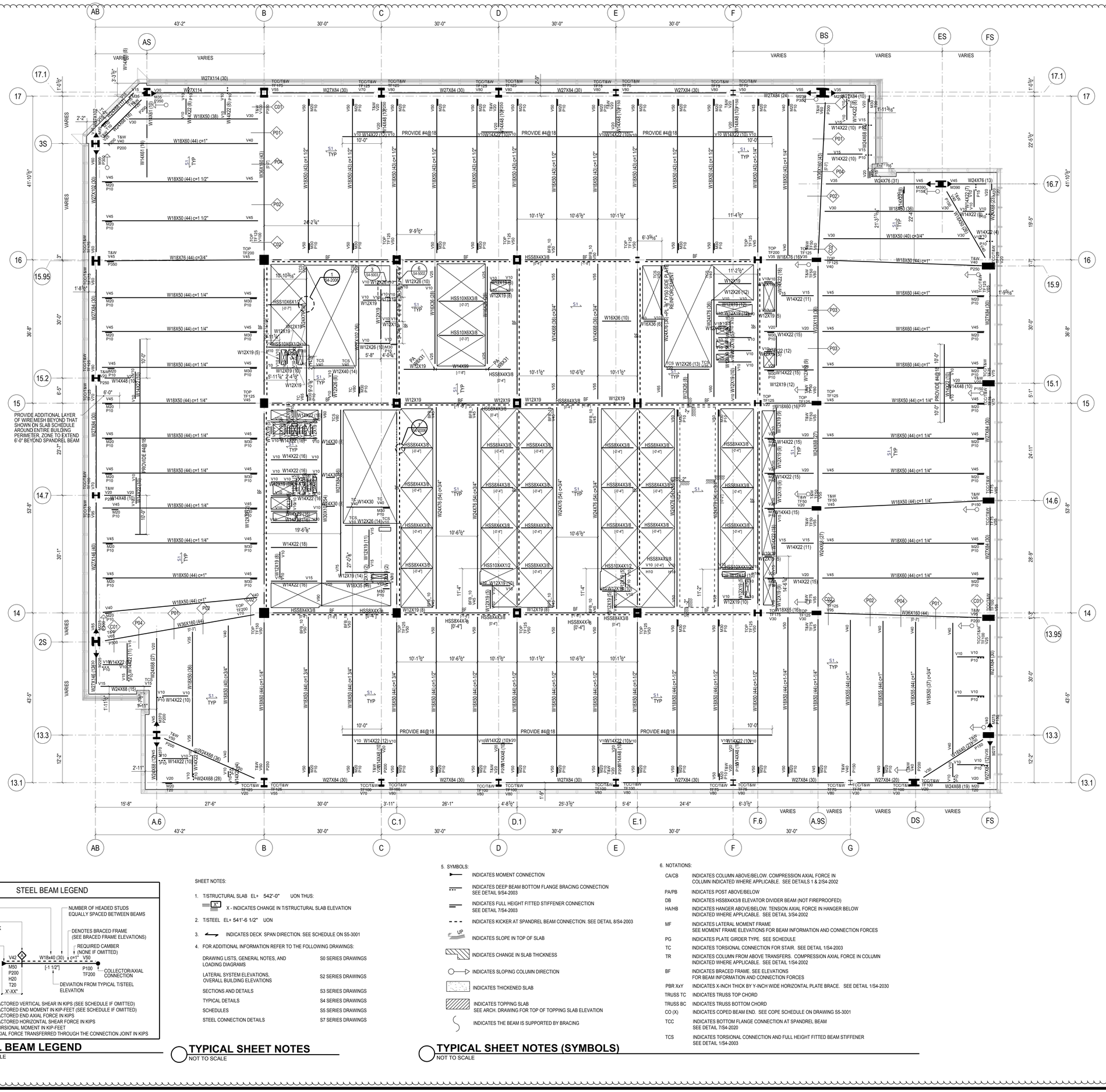
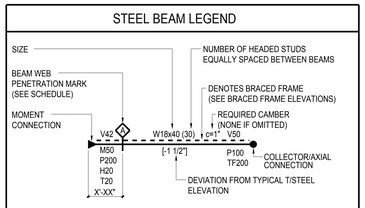


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 542'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 541'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
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New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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Elkus-Manfredi
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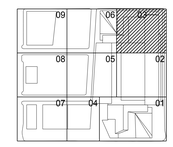
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
MEA100-0SP-1218-AT-400
Date: 09/29/2017
NYC Development Hub

Drawing Title
HYE-TA-S1-2903

FLOOR FRAMING PLAN
29-SECTOR 03

Drawing Number
S1-2903
D-Scan Drawing Number
S-242.01

SHEET 103 OF 443

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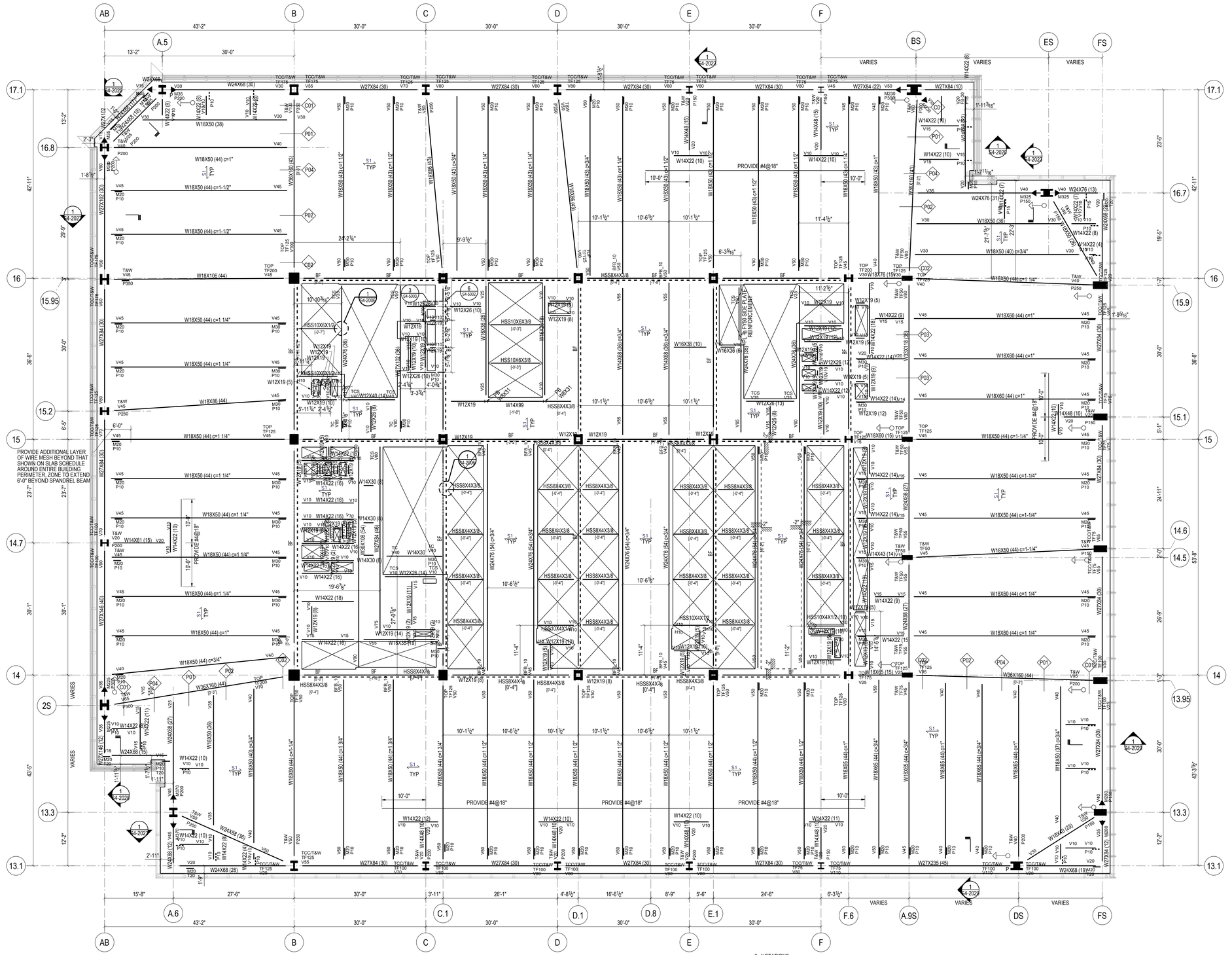
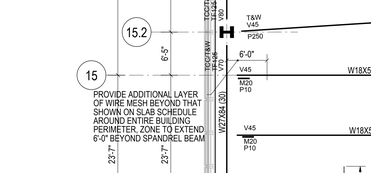
E-FILED BY: ALADDIN 2016-0000251 Job Number Sheet Count



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 555'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 555'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
APPROVED AS NOTED
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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Boston, MA 02210
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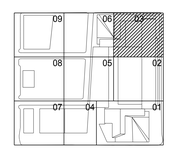
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — MICHAEL J. GUBITOSA — 030 — LICENSED ARCHITECT

HYE-TA-S1-3003
Drawing Title

FLOOR FRAMING PLAN
30-SECTOR 03

Drawing Number
S1-3003
D-Scan Drawing Number
S-243.01

SHEET 104 OF 443

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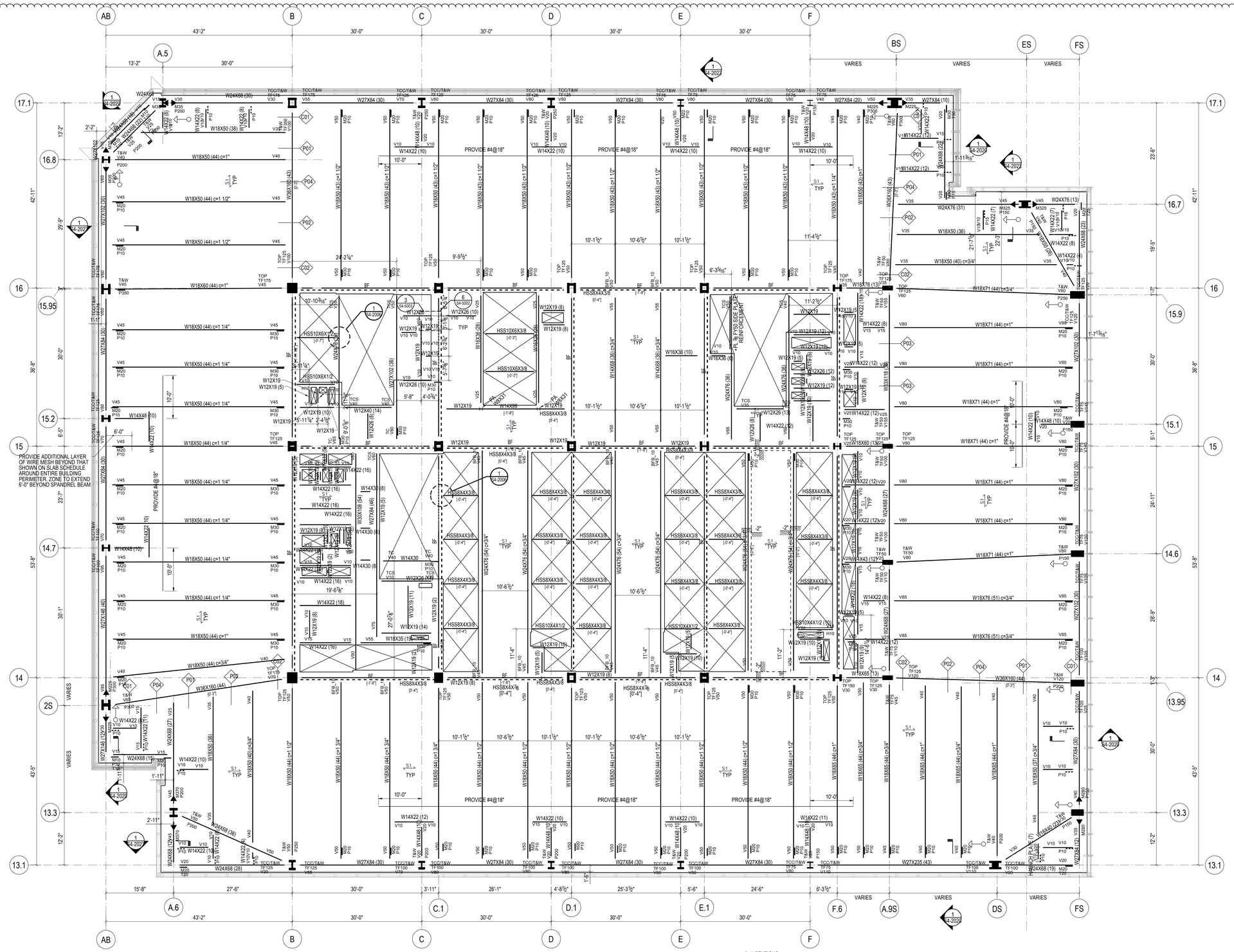
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VARIES
17.1
16.8
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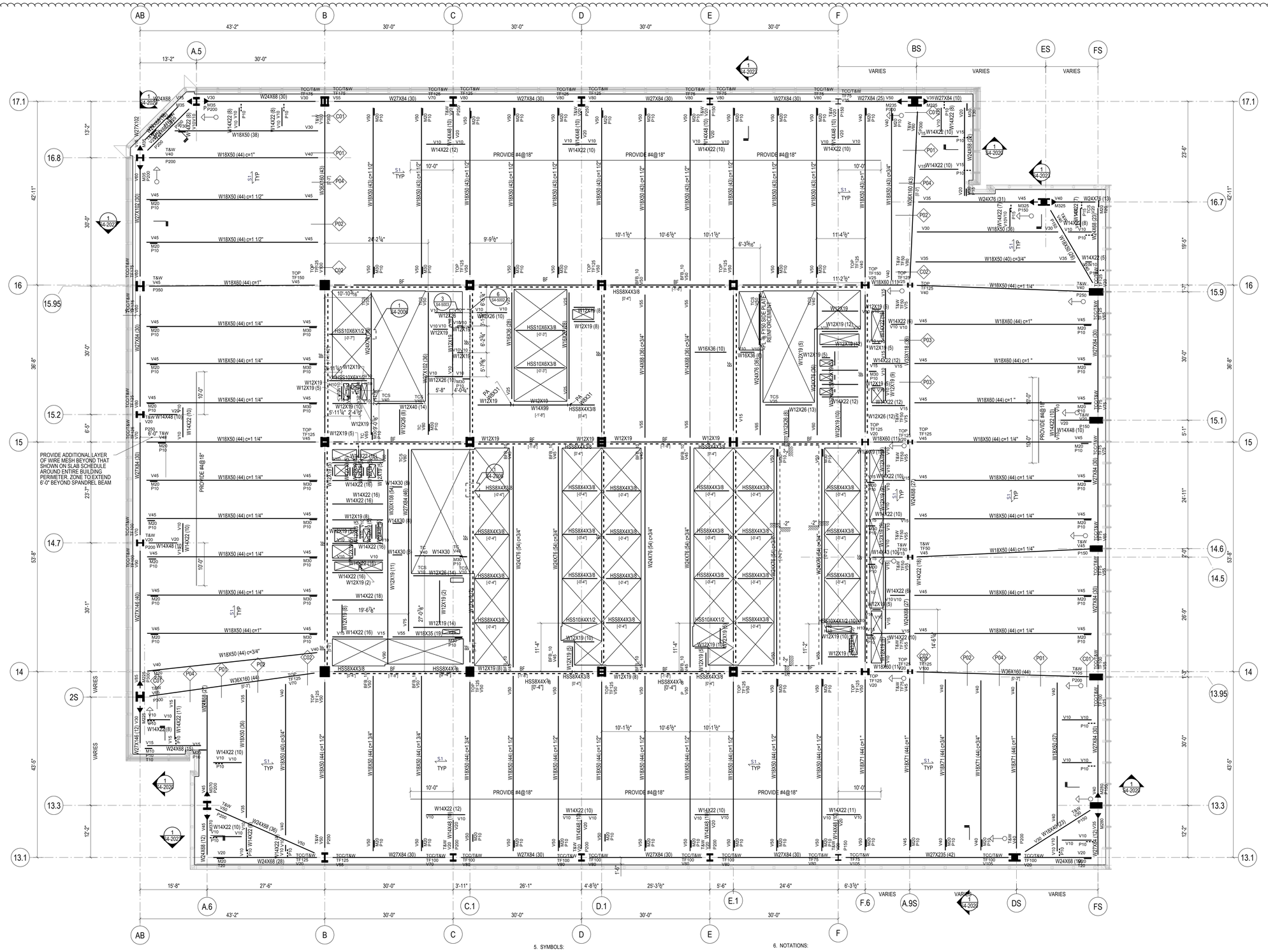
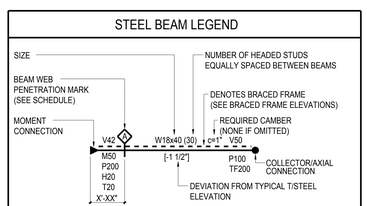


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 582'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 582'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings.nyc
APPROVED
Under Directive 2 of 1975
APPROVED WITH EXCEPTIONS
Date: 05/03/2017
NYC Development Hub

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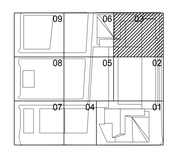
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-3203
Drawing Title

FLOOR FRAMING PLAN
32-SECTOR 03

Drawing Number
S1-3203
D-Scan Drawing Number
S-245.01

SHEET 106 OF 443

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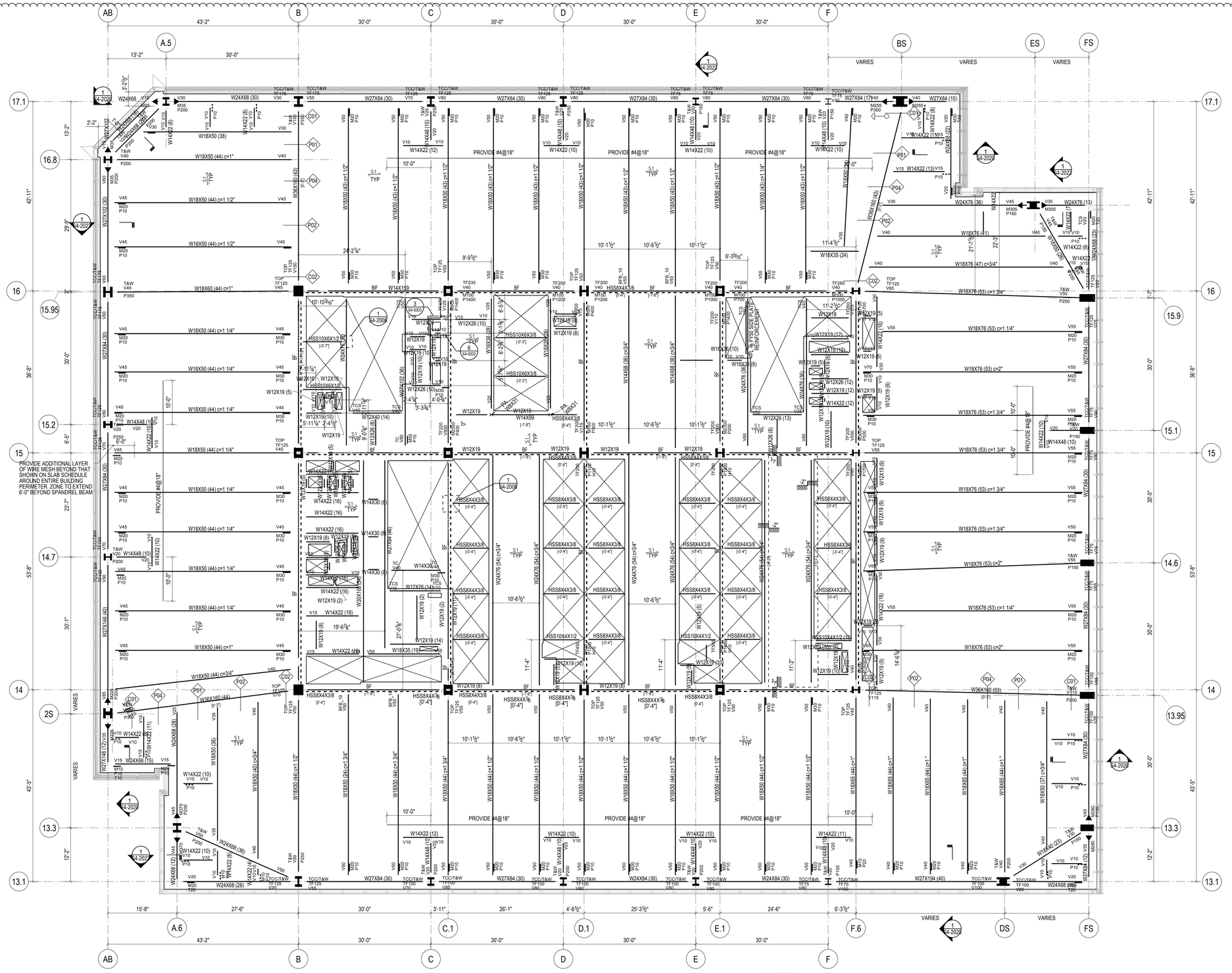
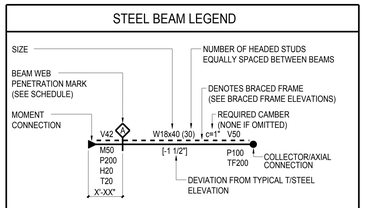
E-247.00 Building Permit Number
E-247.00.00000 Work Permit Number



STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

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TYPICAL SHEET NOTES
NOT TO SCALE

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BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2022
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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No.	Description	Date
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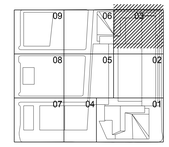
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-3303

Drawing Title

FLOOR FRAMING PLAN 33-SECTOR 03

Drawing Number **S1-3303**
Revision Drawing Number S-246.01

SHEET 107 OF 443

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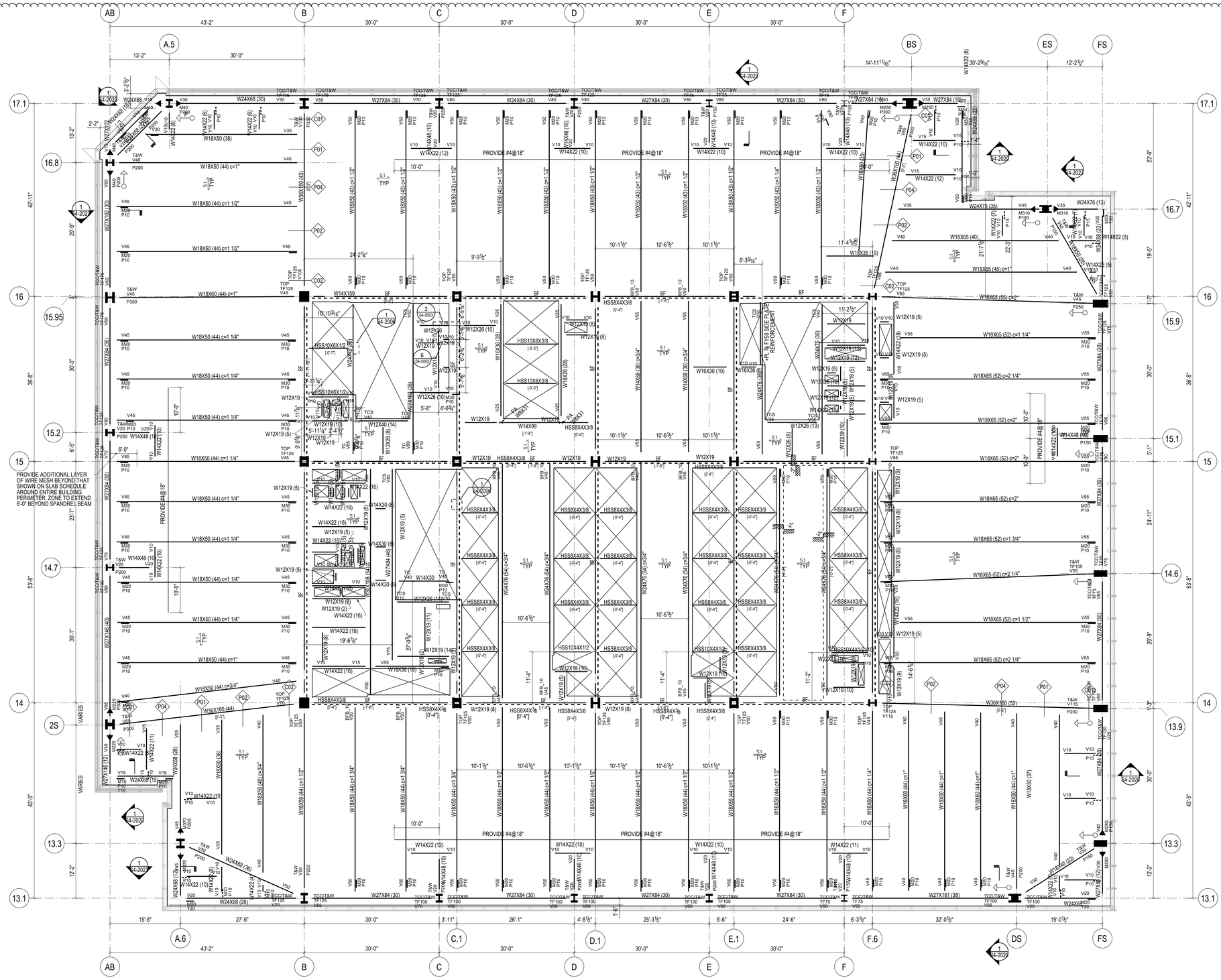
Job Number
Sheet Number


AB
A.5
B
C
D
E
F
BS
ES
FS
A.6
C.1
D.1
E.1
F.6
DS
43'-2"
30'-0"
13'-2"
14'-11 11/16"
30'-2 5/16"
12'-2 1/2"
17.1
16.8
16.7
16
15.95
15.9
15.2
15.1
15
14.7
14.6
14
2S
13.9
13.3
13.1
42'-11"
29'-9"
36'-8"
30'-0"
6'-5"
23'-7"
53'-8"
30'-1"
43'-5"
12'-2"
23'-6"
19'-5"
1'-7"
5'-1"
24'-11"
28'-9"
W24X68 (30)
W24X68 (10)
W24X68 (8)
W27X102 (30)
W27X84 (30)
W27X146 (40)
W27X146 (12)
W24X68 (15)
W24X68 (19)
W24X68 (28)
W24X68 (36)
W24X68 (23)
W24X76 (13)
W24X76 (35)
W24X76 (30)
W27X161 (38)
W18X50 (38)
W18X50 (44) c=1"
W18X50 (44) c=1 1/2"
W18X50 (44) c=1 1/4"
W18X50 (44) c=3/4"
W18X60 (44) c=1"
W18X50 (43) c=1 1/2"
W18X50 (43) c=3/4"
W18X50 (40) c=3/4"
W18X65 (40)
W18X65 (45) c=1"
W18X65 (52) c=2"
W18X65 (52) c=1 1/4"
W18X65 (52) c=1 1/2"
W18X65 (52) c=1 3/4"
W18X65 (52) c=2 1/4"
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W18X65 (44) c=1"
W18X65 (43) c=1"
W18X65 (37)
W16X36 (19)
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W16X36 (8)
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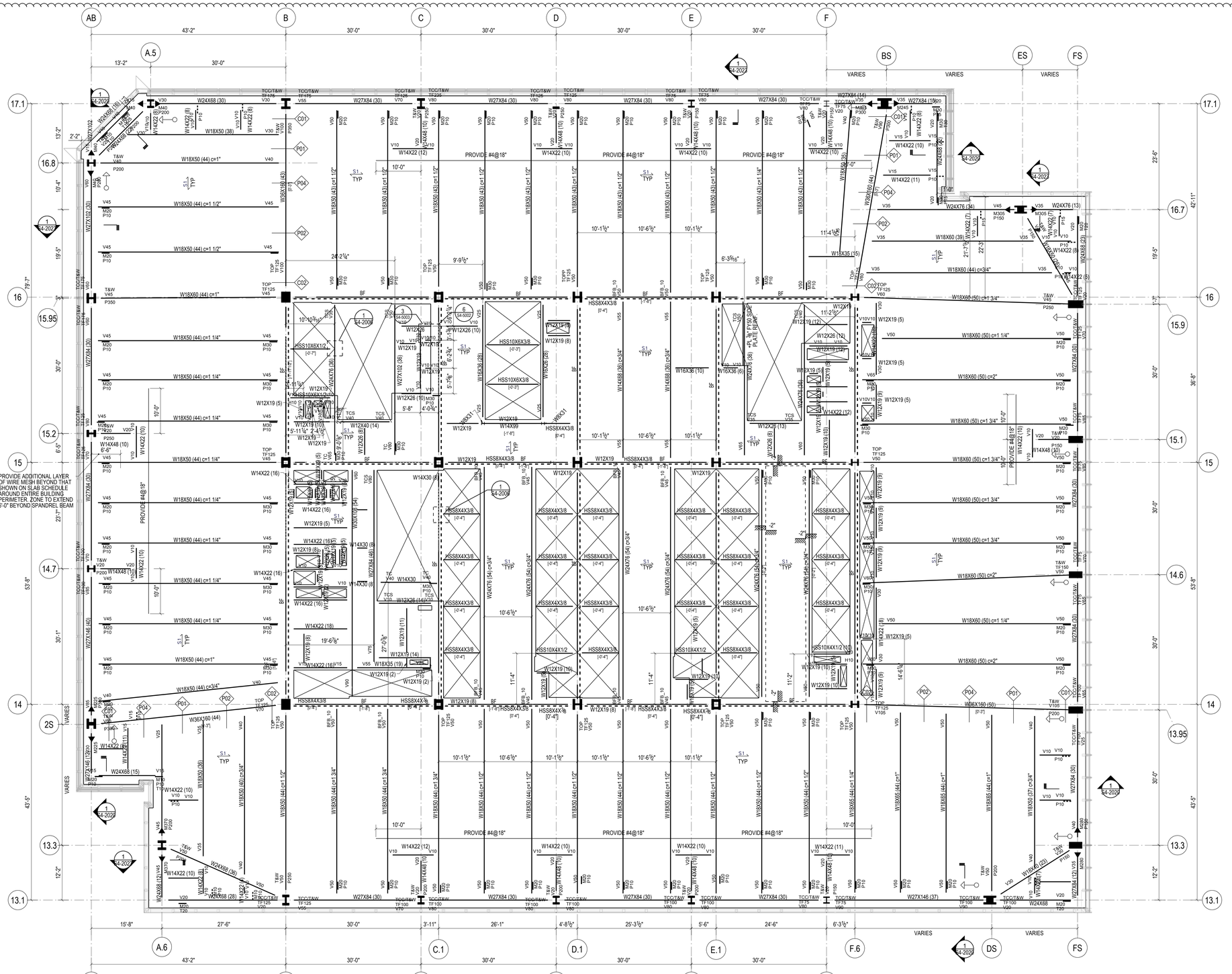
AB
B
C
D
E
F
A.5
BS
ES
FS
43'-2"
30'-0"
13'-2"
VARIES
17.1
16.8
16.7
16
15.95
15.9
15.2
15.1
15
14.7
14.6
14
2S
13.95
13.3
13.1
A.6
C.1
D.1
E.1
F.6
DS
15'-8"
27'-6"
3'-11"
26'-1"
4'-8½"
25'-3½"
5'-6"
24'-6"
6'-3½"
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER. ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
PROVIDE #4@18"
10'-0"
W18X50 (44) c=1"
W18X50 (44) c=1 1/2"
W18X50 (44) c=1 1/4"
W18X50 (44) c=3/4"
W18X60 (44) c=1"
W18X60 (44) c=1 1/4"
W18X60 (44) c=1 1/2"
W18X60 (44) c=3/4"
W18X60 (50) c=1 3/4"
W18X60 (50) c=2"
W18X65 (41) c=1"
W18X65 (41) c=1 1/4"
W18X65 (41) c=1 1/2"
W18X65 (41) c=1 3/4"
W18X65 (41) c=2"
W18X50 (43) c=1 1/2"
W18X50 (43) c=1 3/4"
W18X50 (43) c=2"
W18X50 (40) c=2 3/4"
W18X50 (40) c=3 1/4"
W18X60 (39)
W18X60 (23)
W18X35 (15)
W18X35 (19)
W18X50 (36)
W18X60 (37) c=3/4"
W18X65 (40) c=2 3/4"
W24X76 (54) c=3/4"
W24X76 (54) c=2 3/4"
W24X76 (60)
W24X76 (68)
W24X76 (26)
W24X84 (30)
W24X84 (46)
W24X84 (48)
W24X84 (54)
W24X84 (55)
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W24X84 (250)
W24X84 (279)
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W24X84 (370)
W24X84 (408)
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W24X84 (650)
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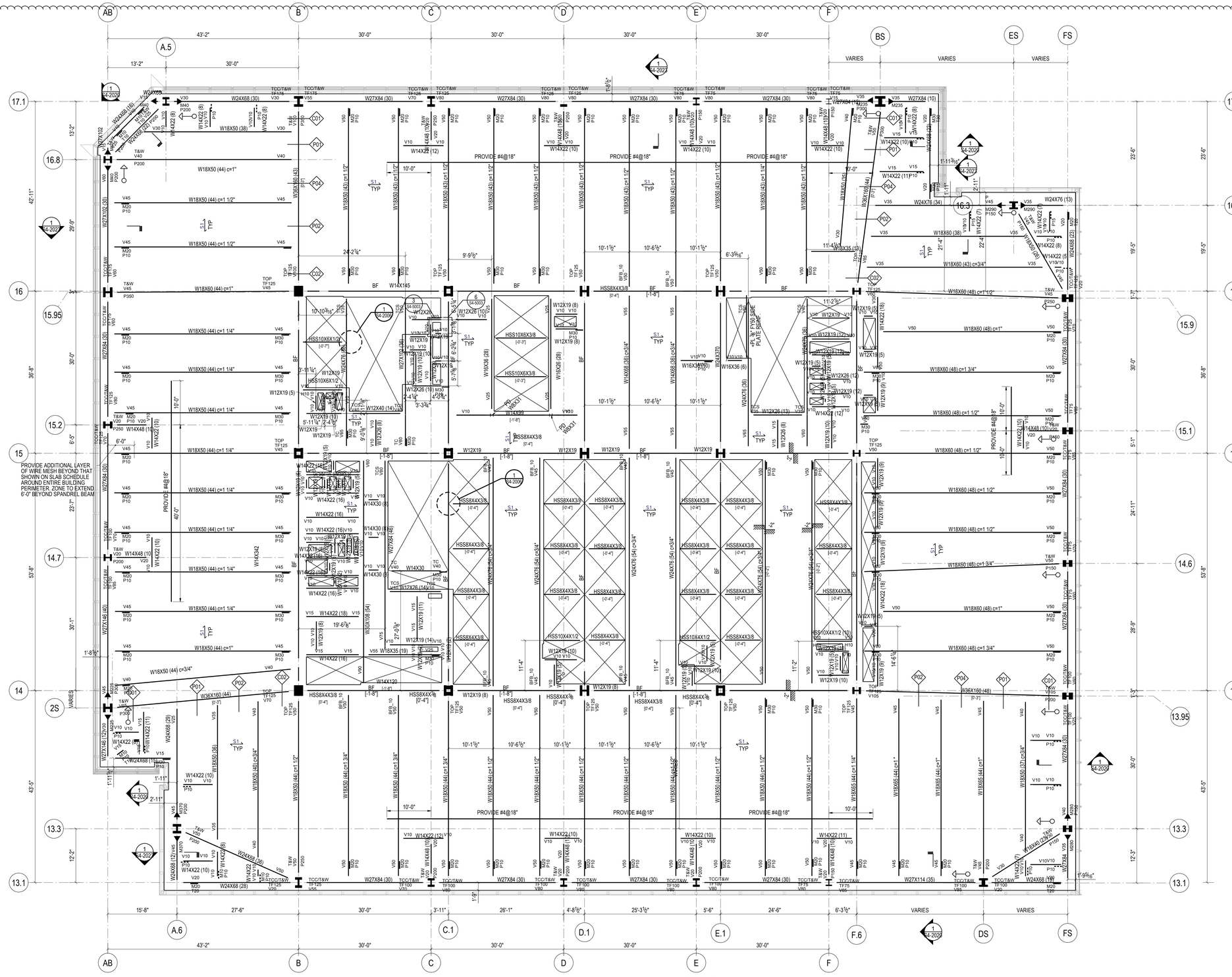
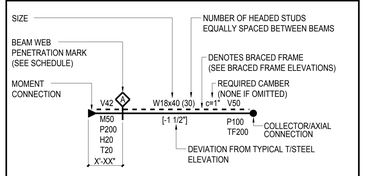


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 636'-6" UON THUS:
   X" X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 636'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
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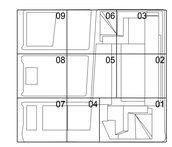
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-3603
Drawing Title

FLOOR FRAMING PLAN
36-SECTOR 03

Drawing Number
S1-3603
R-Scan Drawing Number
S-249.01

SHEET 110 OF 443

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CERTIFICATE NUMBER/FILING NUMBER
Job Number
Issue Date

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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Oxford Properties Group
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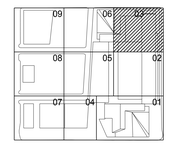
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2022
NYC Development Hub

HYE-TA-S1-3703

Drawing Title

FLOOR FRAMING PLAN
37-SECTOR 03

Drawing Number
S1-3703
X-Scan Drawing Number
S-250.01

SHEET 111 OF 443

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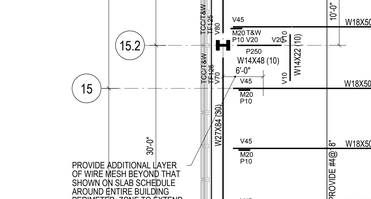
STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 650'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 649'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

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6. NOTATIONS:

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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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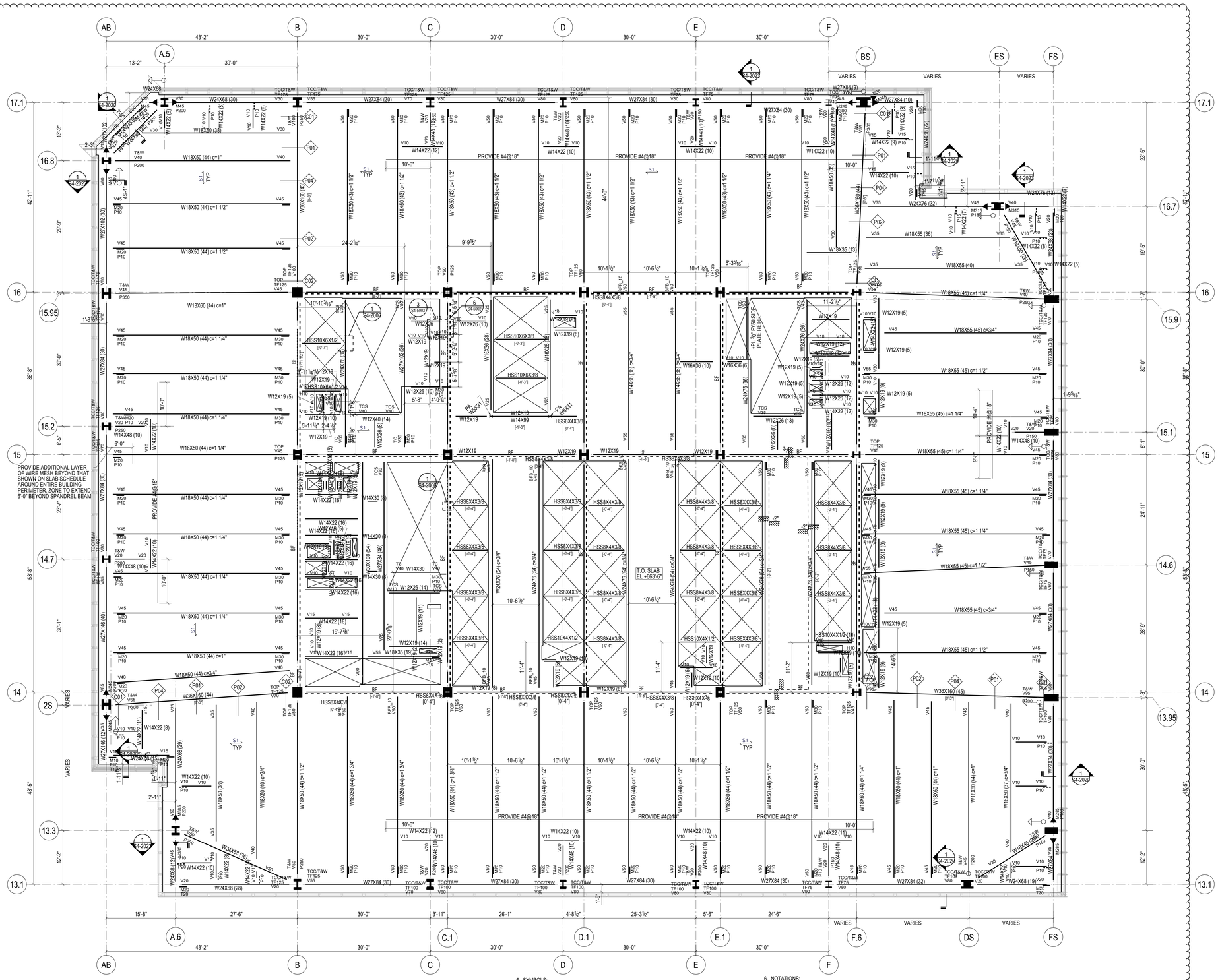
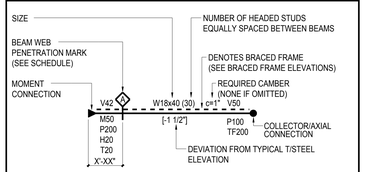
E:3393317435 Model Name



STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

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TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
Kohn Pedersen Fox Associates
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Structural Engineer
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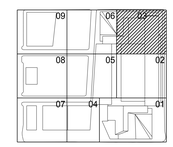
Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED AFFIDAVIT
Date: 05/01/2017
NYC Development Hub

Drawing Title

HYE-TA-S1-3803

FLOOR FRAMING PLAN
38-SECTOR 03

Drawing Number
S1-3803
B-Scan Drawing Number
S-251.01

SHEET 112 OF 443

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CAT.NO.ALA2012SR0001 Job Number
Item Code

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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Retail Interior Design & Planning
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TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AUTHORIZATION
Date 05/03/2017
NYC Development Hub

HYE-TA-S1-3903
Drawing Title

FLOOR FRAMING PLAN
39-SECTOR 03
(MECHANICAL)

Drawing Number
S1-3903
D-Scan Drawing Number
S-252.01

SHEET 113 OF 443

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STEEL BEAM LEGEND

V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 678'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 677'-7" UON
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

CITY OF NEW YORK 121356023 BIN Number
1035003 Borough Block Lot

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
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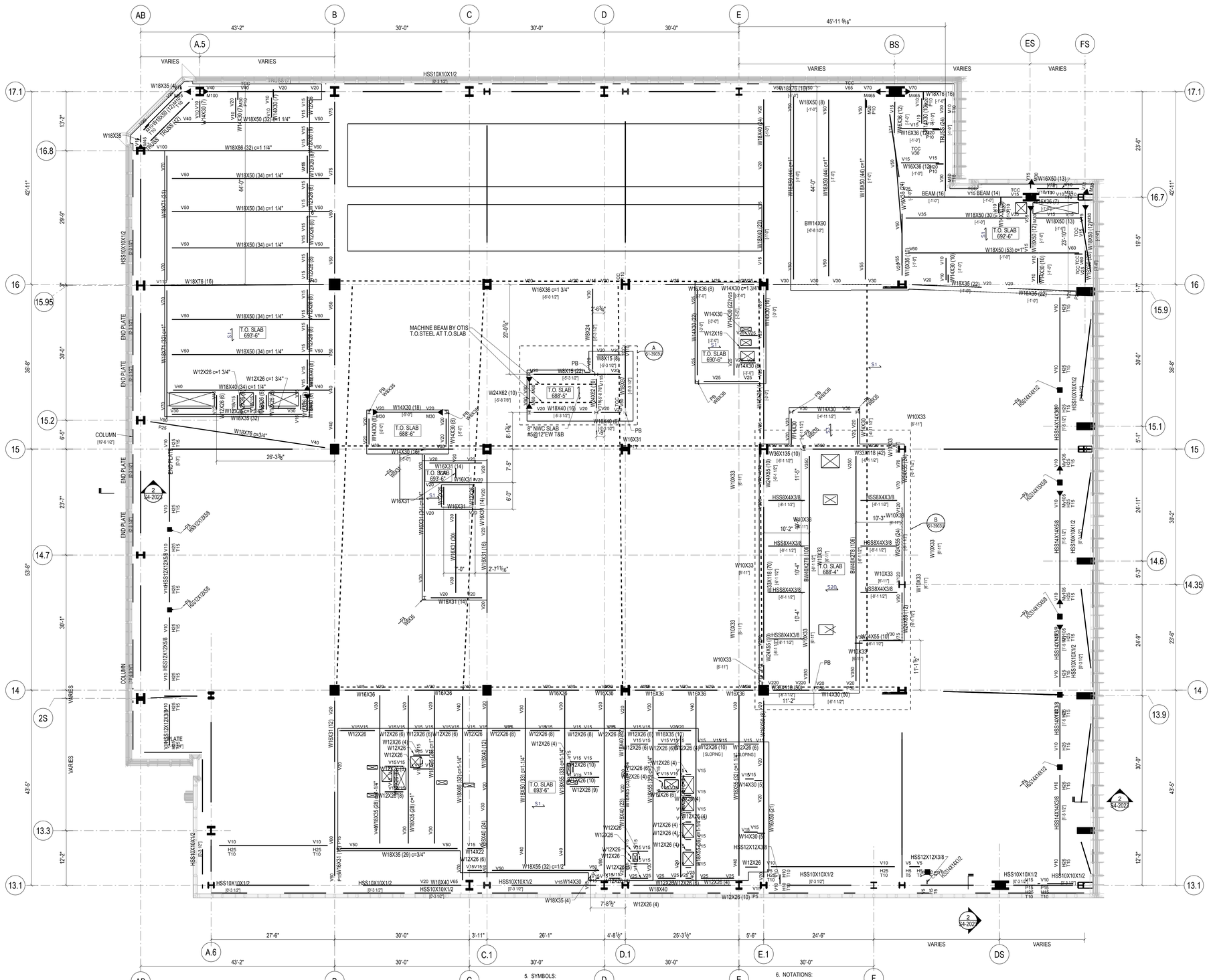
AB
B
C
D
E
A.5
BS
ES
FS
17.1
16.8
16
15.95
15.2
15
14.7
14
2S
13.3
13.1
16.7
15.9
15.1
14.6
14.35
13.9
MACHINE BEAM BY OTIS
T.O.STEEL AT T.O.SLAB
T.O. SLAB 693'-6"
T.O. SLAB 692'-6"
T.O. SLAB 688'-5"
T.O. SLAB 688'-6"
T.O. SLAB 693'-6"
T.O. SLAB 688'-4"
T.O. SLAB 693'-6"
8" NWC SLAB #5@12"EW T&B
COLUMN
END PLATE
BEAM (16)
W18X35 (4)
W18X86 (32) c=1 1/4"
W18X50 (34) c=1 1/4"
W18X76 (16)
W12X26 c=1 3/4"
W18X40 (34) c=1 1/4"
W18X35 (32)
W18X76 c=3/4"
W16X36 c=1 3/4"
W14X30 c=1 3/4"
W24X62 (10)
W16X40 (16)
W18X35 (22)
W18X50 (53) c=1"
W18X50 (30)
W18X50 (13)
W18X50 (12)
W18X50 (10)
W16X50 (13)
W16X36 (7)
W16X36 (12)
W16X36 (8)
W14X30 (22)
W12X19
W14X30 (5)
W14X30 (10)
W14X30 (16)
W14X30 (18)
W14X30 (8)
W16X15 (6)
W16X31 (14)
W16X31 (16)
W16X31 (8)
W16X31 (4)
W16X31 (12)
W16X31 (6)
W16X31 (22)
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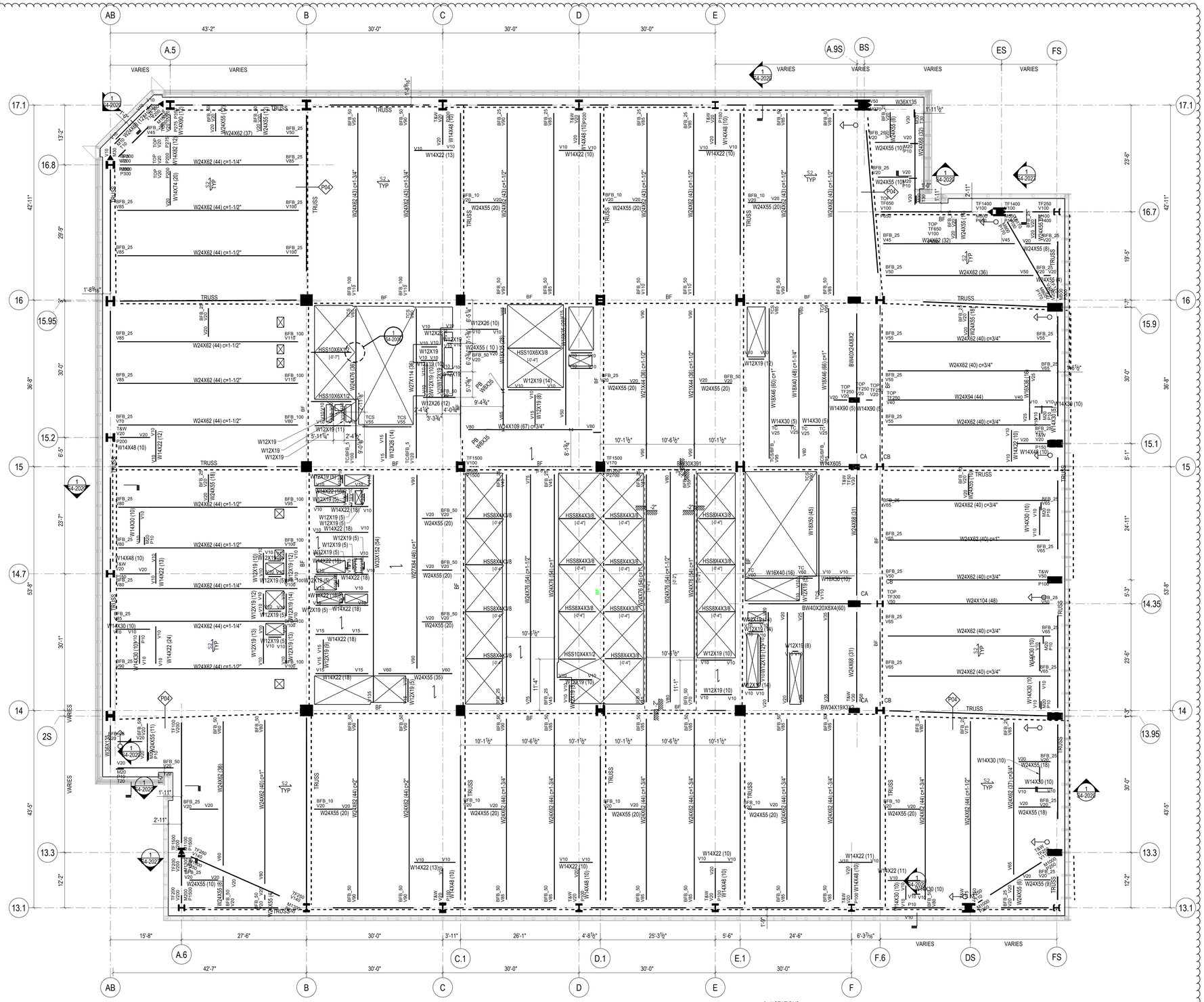
W16X31 (180)
W16X31 (54) c=1 1/4"
W16X31 (54) c=1"
W16X31 (16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16.8
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13.1
16.7
15.9
15.1
14.35
13.95
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30'-0"
30'-0"
30'-0"
VARIES
VARIES
VARIES
VARIES
VARIES
VARIES
15'-8"
27'-6"
30'-0"
3'-11"
26'-1"
4'-8½"
25'-3½"
5'-6"
24'-6"
6'-3⅞6"
42'-7"
30'-0"
30'-0"
30'-0"
30'-0"
TRUSS
BF
CA
CB
TF1500 V100
TF1500 V170
TF1500 V200
TF1400 V100
TF1400 V100
TF250 V100
W36X135
W24X62 (44) c=1-1/4"
W24X62 (44) c=1-1/2"
W24X62 (43) c=1-3/4"
W24X62 (43) c=1-1/2"
W24X62 (41) c=1-3/4"
W24X62 (41) c=2"
W24X62 (40) c=1"
W24X62 (40) c=3/4"
W24X62 (37) c=3/4"
W24X62 (36)
W24X62 (32)
W24X55 (20)
W24X55 (10)
W24X55 (8)
W24X55 (6)
W24X55 (18)
W24X55 (16)
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W24X55 (6)
W24X94 (44)
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W14X48 (100)
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W14X30 (5)
W14X30 (8)
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W14X109 (67) c=3/4"
W12X26 (10)
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W18X40 (48) c=1"
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W18X50 (19)
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W21X44 (58) c=1-1/2"
W21X44 (58) c=2"
W24X76 (54) c=1"
W24X76 (54) c=1-1/2"
W24X76 (54) c=2"
W24X76 (54) c=3"
W24X76 (54) c=4"
W24X76 (54) c=5"
W24X76 (54) c=6"
W24X76 (54) c=7"
W24X76 (54) c=8"
W24X76 (54) c=9"
W24X76 (54) c=10"
W24X76 (54) c=11"
W24X76 (54) c=12"
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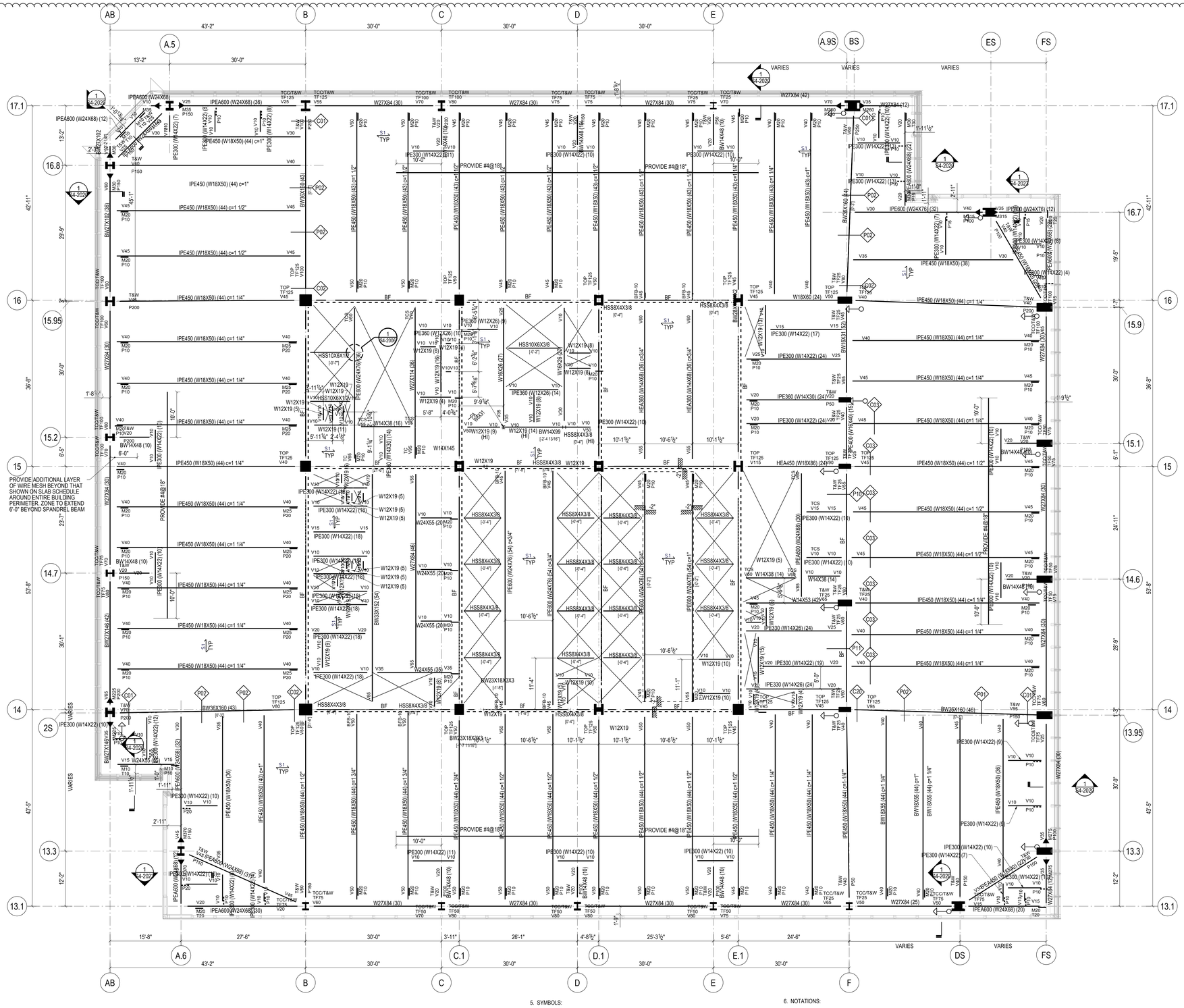
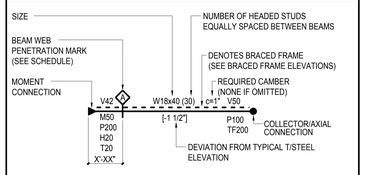
CAT:DE-BA0037318R0303 Job Number
N3328.00.R0303 Model Guide



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 722'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 721'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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Retail Interior Design & Planning
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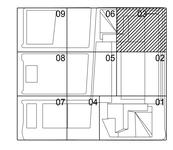
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-4103
Drawing Title

FLOOR FRAMING PLAN
41-SECTOR 03

Drawing Number
S1-4103
B-Size Drawing Number
S-255.01

SHEET 116 OF 443

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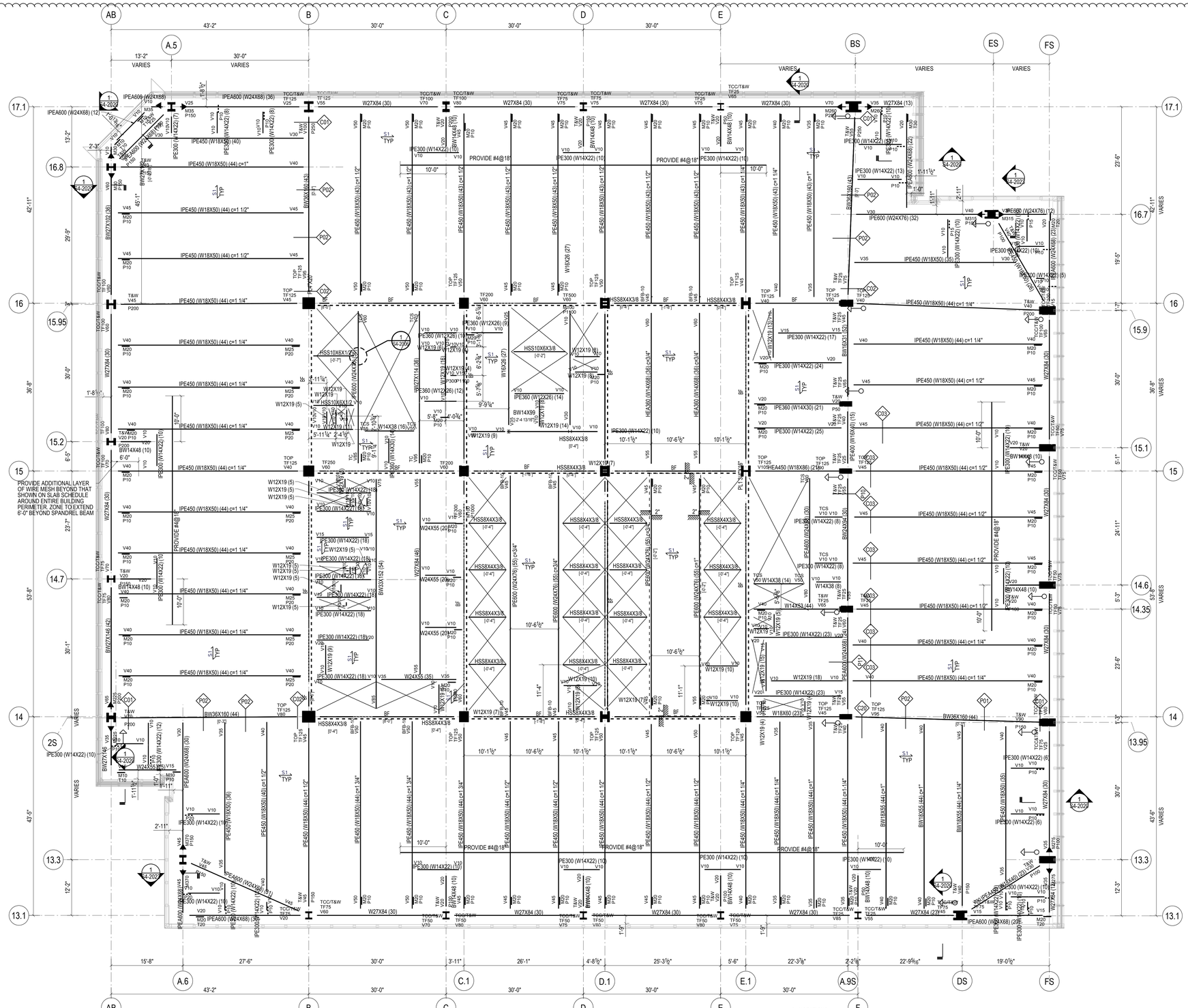
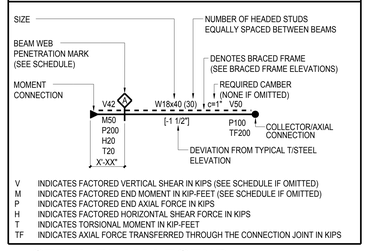
CAT:DE BLADE:ZT1.DWG Job Number Blade:Date



STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 735'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 735'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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Client
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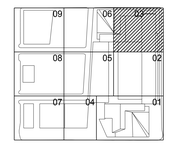
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED/FILED/ISSUED
Date: 05/03/2017
NYC Development Hub

Drawing Title
HYE-TA-S1-4203

FLOOR FRAMING PLAN
42-SECTOR 03

Drawing Number
S1-4203
X-Scan Drawing Number
S-256.01

SHEET 117 OF 443

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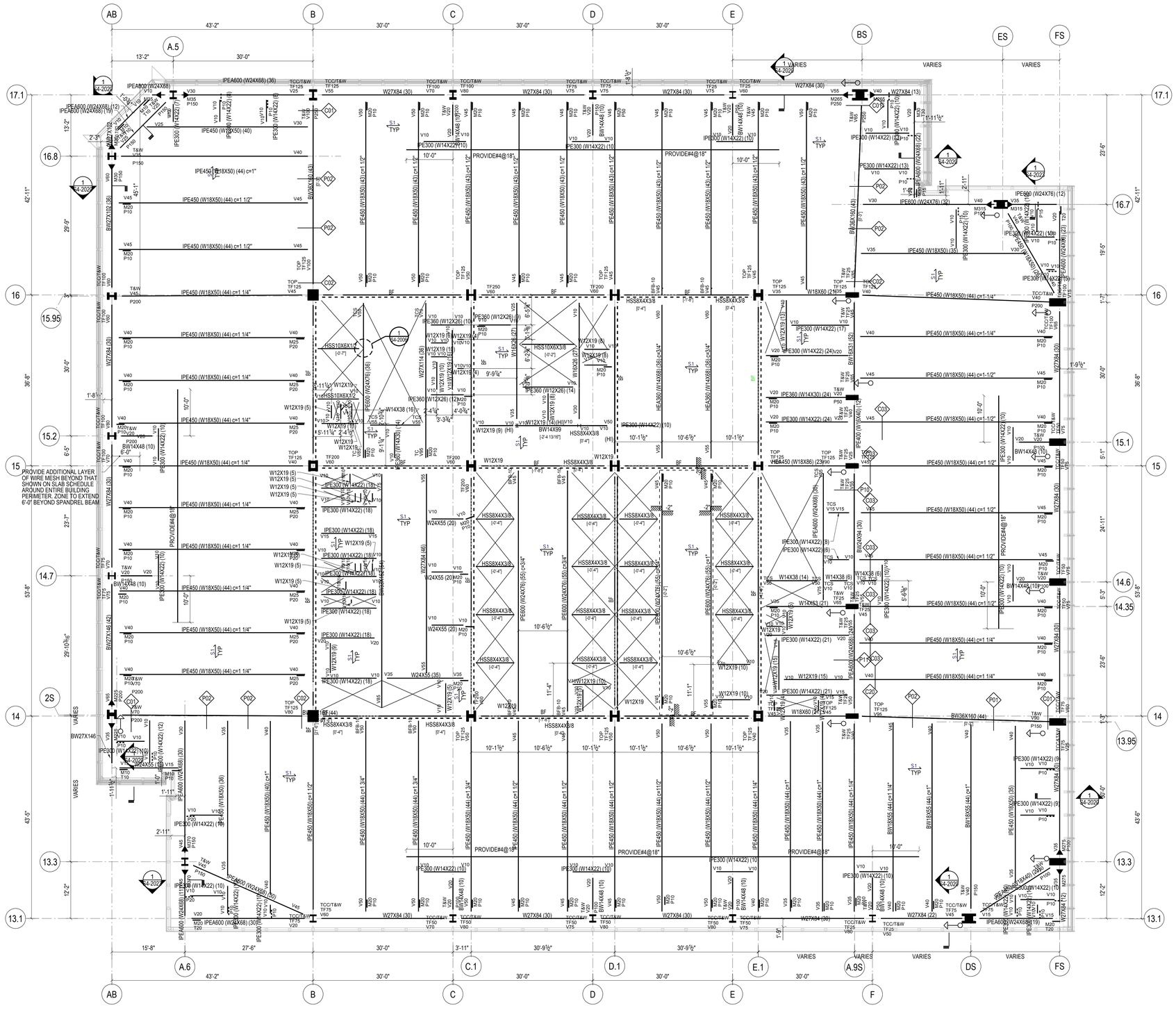
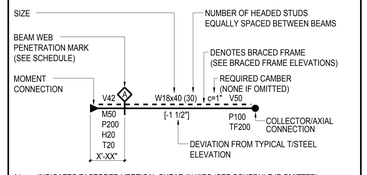
CAT:DE BLOCK:2713 PROJ:5 Job Number
Sheet 2 of 2



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
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T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 749'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 748'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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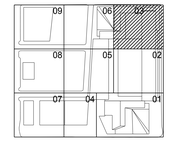
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDMENT/APPLICATION
Date: 05/05/2017
NYC Development Hub

HYE-TA-S1-4303
Drawing Title

FLOOR FRAMING PLAN
43-SECTOR 03

Drawing Number
S1-4303
S-Scan Drawing Number
S-257.01

SHEET 118 OF 443

0 4' 8' 16'

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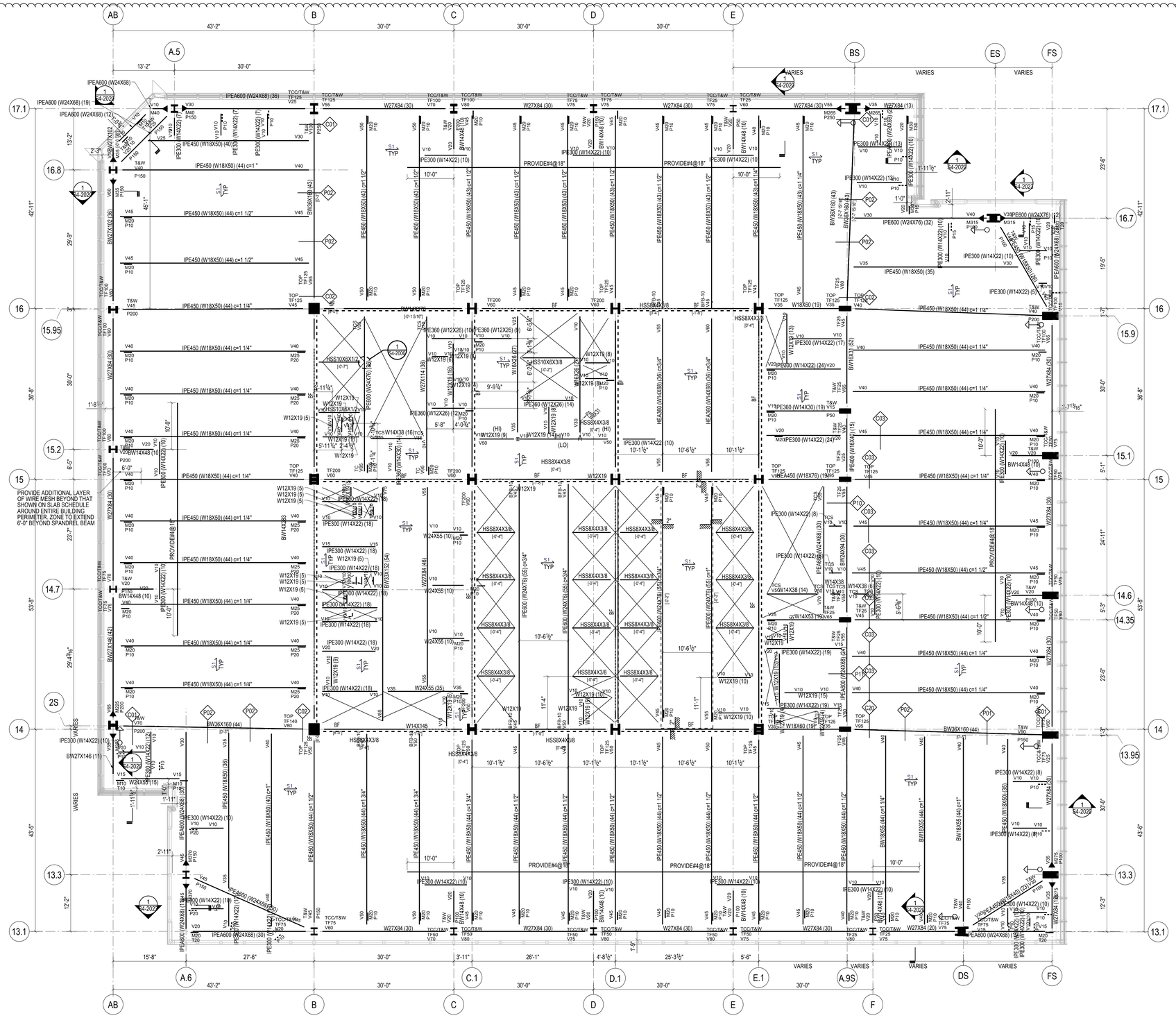
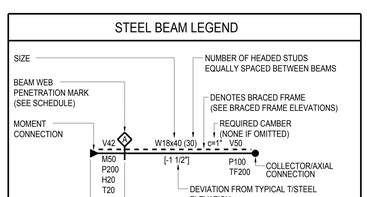


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 762'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 762'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
BuildingConnected
APPROVED
Under Directive 2 of 1975
APPROVED AS NOTED
Date: 05/03/2017
NYC Development Hub

N

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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New York, NY 10022
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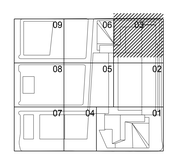
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-4403
Drawing Title

FLOOR FRAMING PLAN
44-SECTOR 03

Drawing Number
S1-4403
S-Xxx Drawing Number
S-258.01

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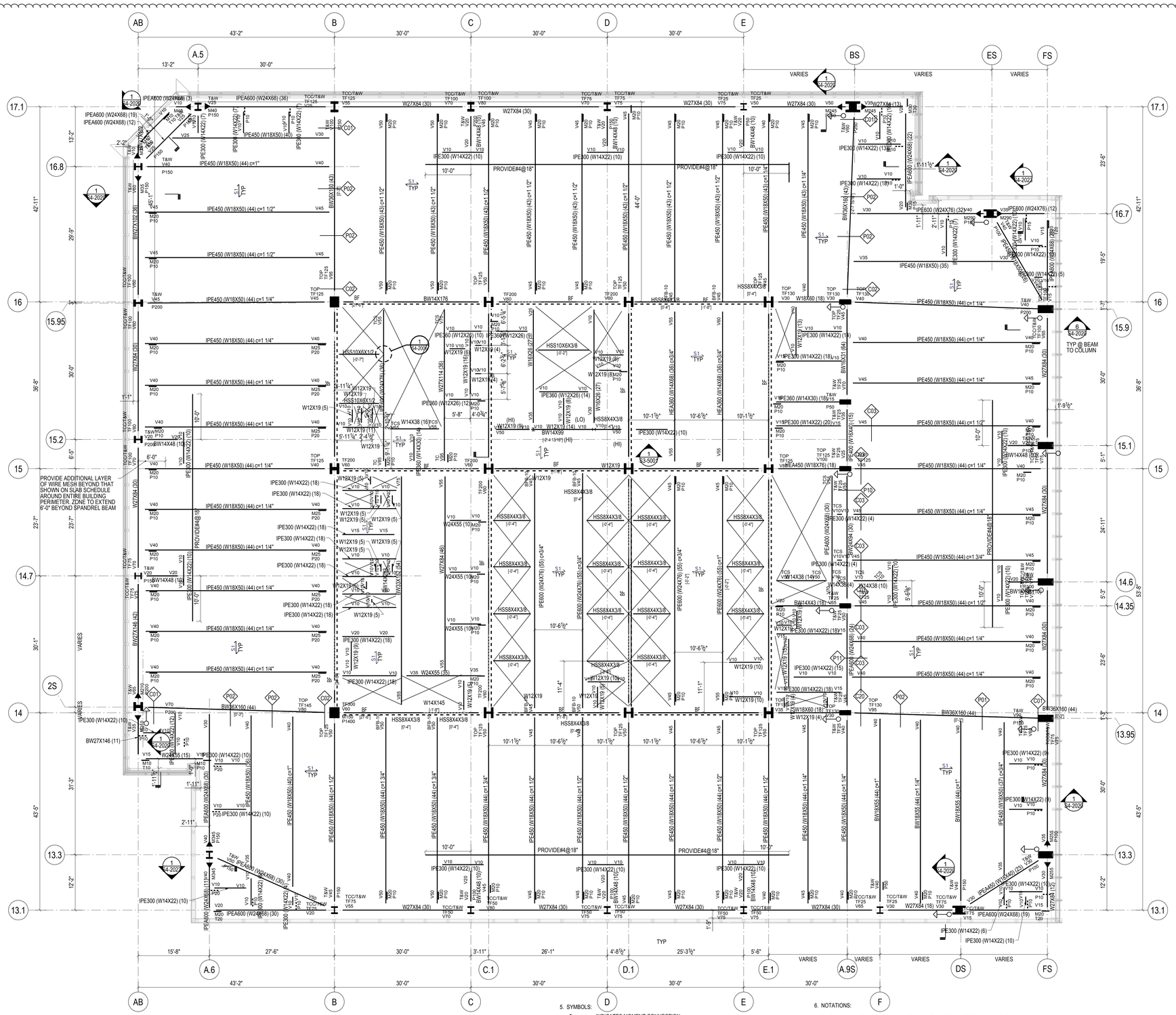
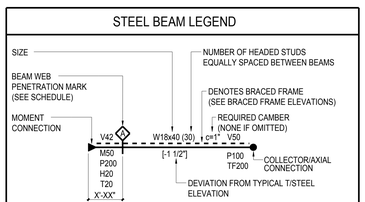


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

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2. T/STEEL EL+ 775'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL SHEET NOTES
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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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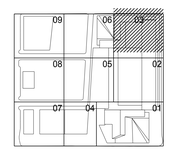

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
BuildingNYC
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-4503
Drawing Title

FLOOR FRAMING PLAN 45 (TYPICAL MID RISE) SECTOR 03

Drawing Number
S1-4503
Revision Drawing Number
S-259.01

SHEET 120 OF 443

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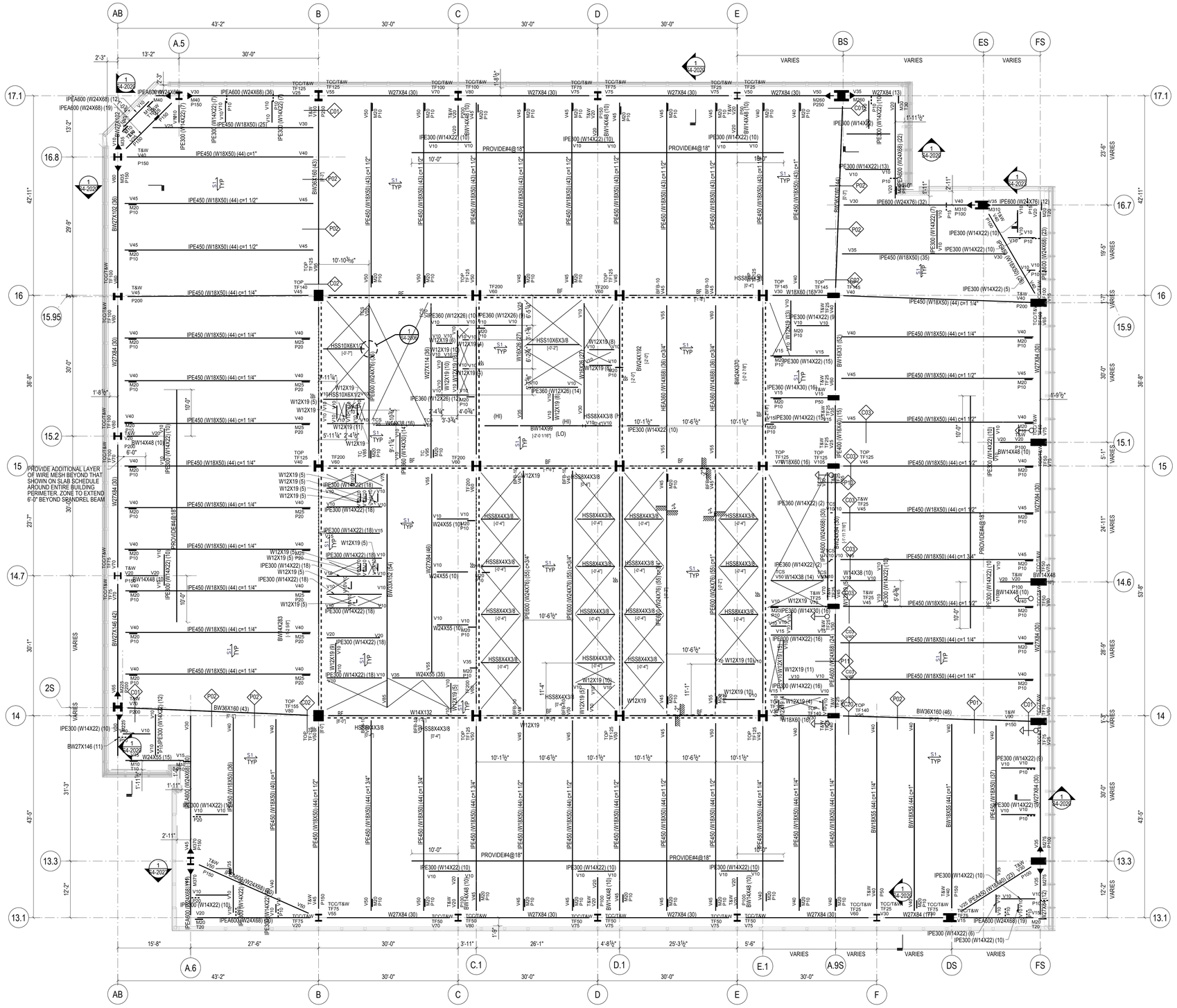
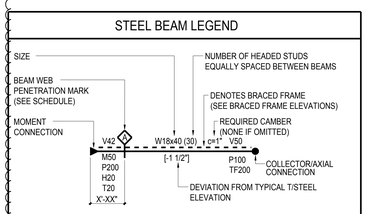


STEEL BEAM LEGEND



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TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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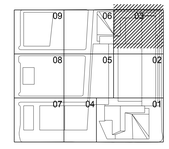
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
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Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-4603

Drawing Title

FLOOR FRAMING PLAN 46-SECTOR 03

Drawing Number
S1-4603
N-Scan Drawing Number
S-260.01

SHEET 121 OF 443

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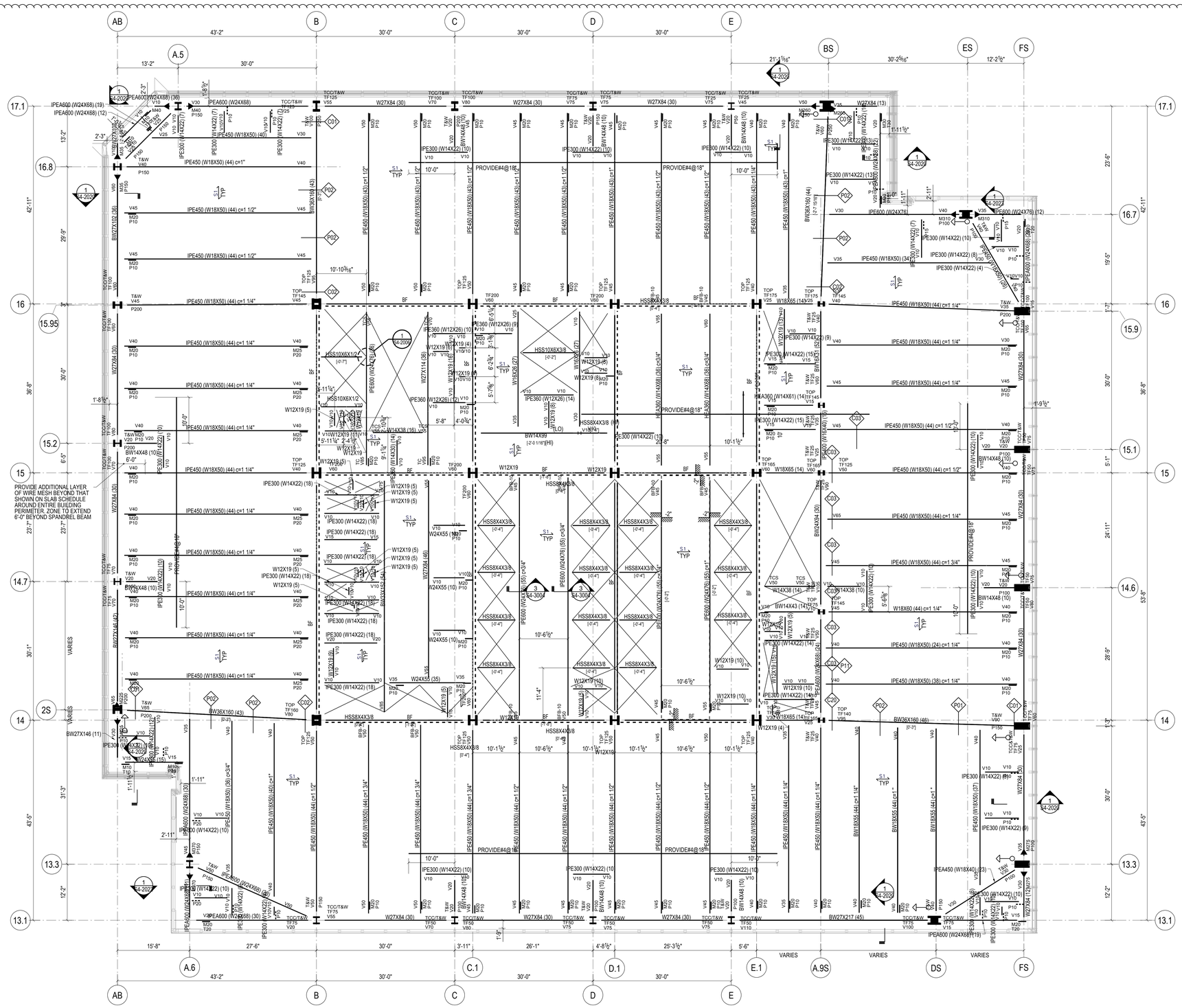
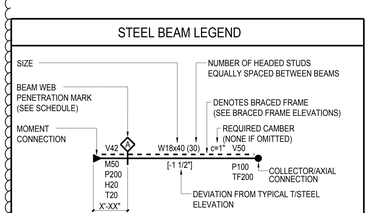


STEEL BEAM LEGEND



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NOT TO SCALE

Damian Titus
Building
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Date: 09/09/2022
NYC Development Hub

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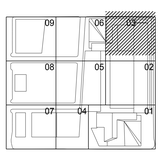
TEL: 617.426.1300

No	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-4703
Drawing Title

FLOOR FRAMING PLAN
47-SECTOR 03

Drawing Number
S1-4703
Revision Drawing Number
S-261.01

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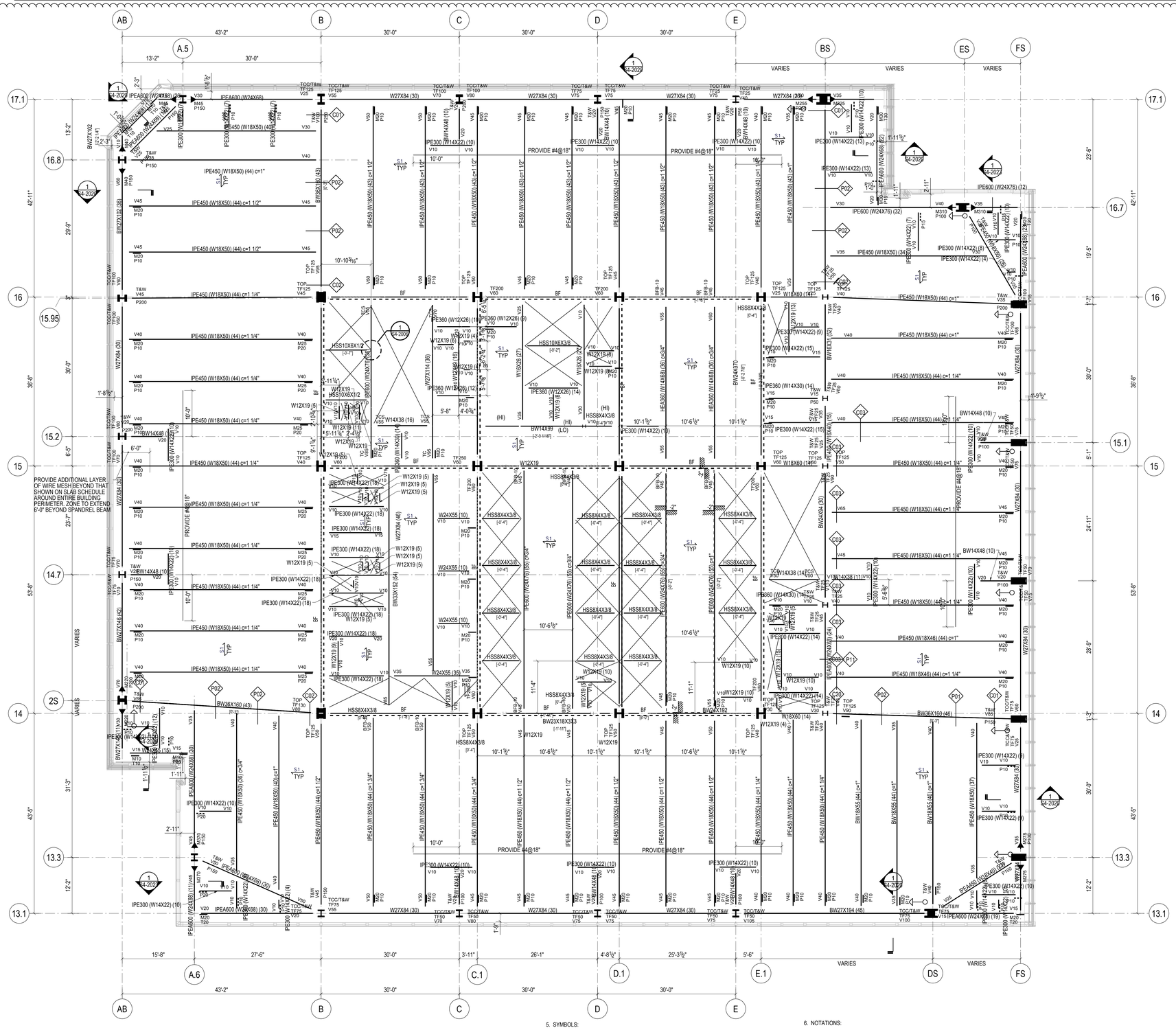
CAT.OF.AUTH.20120525 Job Number 130120.00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DS
43'-2"
30'-0"
13'-2"
VARIES
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
PROVIDE #4@18"
IPE450 (W18X50) (44) c=1 1/2"
IPE450 (W18X50) (44) c=1 1/4"
IPE450 (W18X50) (40) c=1"
IPE450 (W18X50) (43) c=1 1/2"
IPE450 (W18X50) (41) c=1 1/2"
IPE450 (W18X50) (44) c=3/4"
IPE450 (W18X50) (35) c=3/4"
IPE450 (W18X50) (34) c=1"
IPE450 (W18X46) (44) c=1"
IPE450 (W18X46) (44) c=1 1/4"
IPE600 (W24X68) (30)
IPE600 (W24X76) (32)
IPE600 (W24X76) (12)
IPE600 (W24X76) (35) c=3/4"
IPE600 (W24X76) (55) c=1"
IPE600 (W24X76) (55) c=3/4"
IPE360 (W12X26) (9)
IPE360 (W12X26) (10)
IPE360 (W12X26) (12)
IPE360 (W12X26) (14)
IPE360 (W14X30) (14)
IPE360 (W14X30) (15)
IPE300 (W14X22) (10)
IPE300 (W14X22) (18)
IPE300 (W14X22) (16)
IPE300 (W14X22) (15)
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IPE300 (W14X22) (9)
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IPE300 (W14X22) (14)
IPE300 (W14X22) (19)
W12X19 (5)
W12X19 (6)
W12X19 (10)
W12X19 (11)
W12X19 (4)
W24X55 (10)
W24X55 (35)
W14X38 (16)
W14X38 (14)
W14X38 (11)
W14X48 (10)
W14X48 (15)
W18X35 (44)
W18X55 (44)
W18X55 (37)
W18X60 (14)
W18X60 (15)
W16X26 (27)
W16X26 (24)
W16X31 (42)
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W16X31 (36)
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W16X40 (43)
W16X40 (38)
W16X40 (35)
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W16X40 (10)
HSS8X4X3/8
HSS10X6X1/2
HSS10X6X3/8
HSS6X4X3/8
HSS6X4X1/4
BW27X102
BW27X102 (98)
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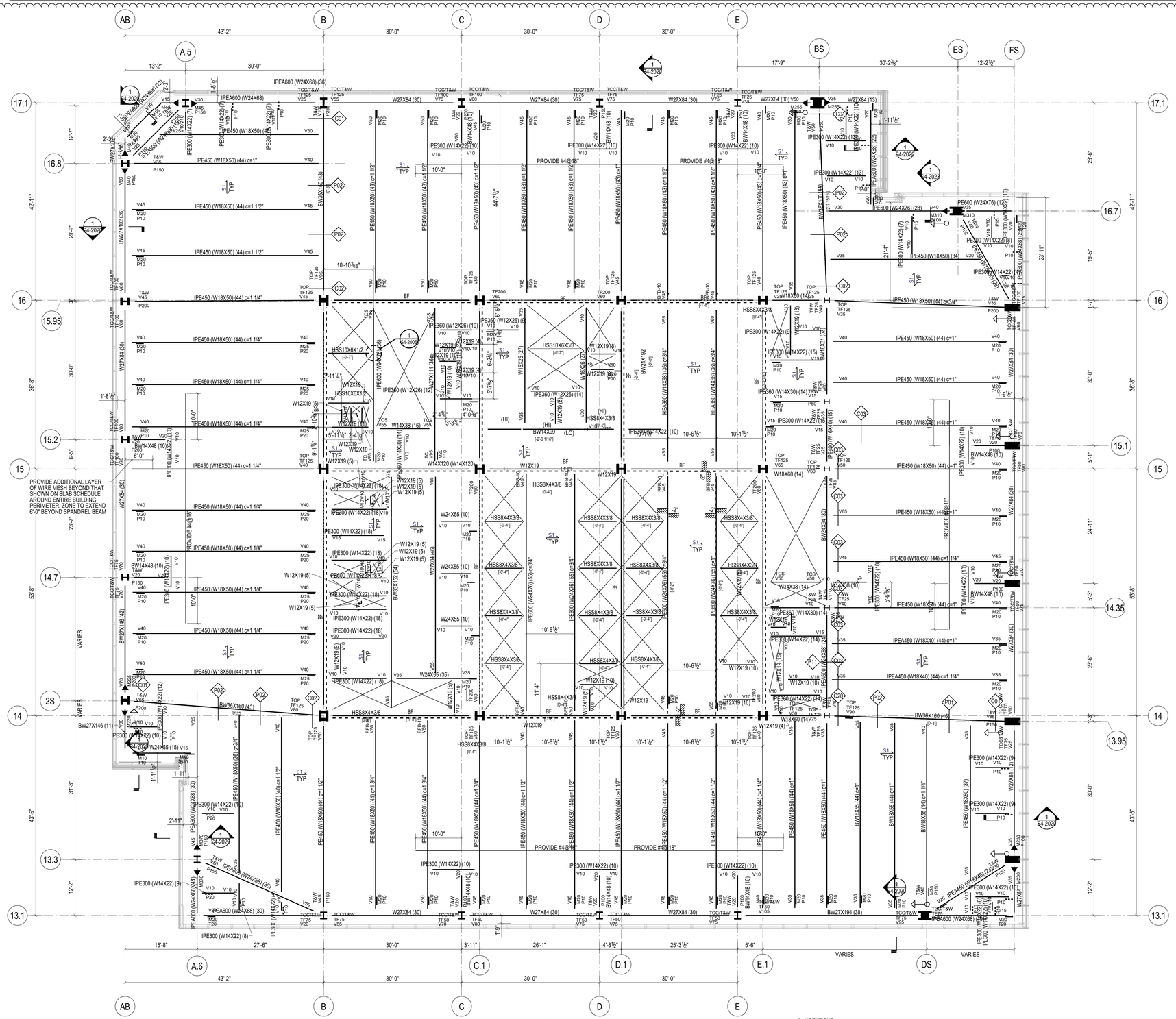
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14.35
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13.3
13.1
A.6
C.1
D.1
E.1
DS
43'-2"
30'-0"
13'-2"
17'-9"
30'-2⅜"
12'-2½"
15'-8"
27'-6"
3'-11"
26'-1"
4'-8½"
25'-3½"
5'-6"
VARIES
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER. ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
IPEA600 (W24X68) (36)
IPE450 (W18X50) (44) c=1 1/2"
IPE450 (W18X50) (44) c=1"
IPE450 (W18X50) (44) c=1 1/4"
IPE450 (W18X50) (44) c=3/4"
IPE300 (W14X22) (10)
IPE300 (W14X22) (18)
IPE300 (W14X22) (13)
IPE300 (W14X22) (14)
IPE300 (W14X22) (15)
IPE300 (W14X22) (9)
IPE300 (W14X22) (8)
IPE360 (W14X30) (14)
IPE360 (W12X26) (10)
IPE360 (W12X26) (9)
IPE360 (W12X26) (12)
IPE600 (W24X76) (28)
IPE600 (W24X76) (12)
IPEA600 (W24X68) (30)
IPEA600 (W24X68) (36)
IPEA450 (W18X40) (44) c=1 1/4"
IPEA450 (W18X40) (24)
W27X84 (30)
W27X84 (13)
W27X84 (10)
W27X94 (30)
W27X146 (11)
W27X146 (42)
W27X102 (39)
W27X194 (38)
W24X55 (10)
W24X55 (35)
W24X55 (45)
W24X55 (54)
W18X60 (14)
W18X48 (10)
W18X55 (44) c=1 1/4"
W18X55 (44) c=1"
W18X55 (37)
W14X38 (14)
W14X48 (10)
W12X19 (10)
W12X19 (13)
W12X19 (4)
W12X19 (5)
W12X19 (9)
W12X19 (18)
W12X19 (15)
W12X19 (16)
W12X19 (6)
W12X19 (8)
W12X19 (7)
BW36X160 (43)
BW36X160 (46)
BW33X152 (54)
BW30X116 (43)
BW24X94 (30)
BW24X192
BW18X311 (52)
BW14X311 (45)
HSS8X4X3/8
HSS10X6X1/2
HSS10X6X3/8
HSS10X6X1/4
HEA360 (W14X68) (38) c=3/4"
W10X26 (27)
W10X49 (27)
W10X49 (33)
W18X60 (14)
TOP TF125 V60
TOP TF125 V65
TOP TF125 V35
TOP TF125 V50
TOP TF125 V55
TOP TF125 V45
TOP TF125 V40
TOP TF125 V30
TOP TF125 V25
TOP TF125 V20
TOP TF125 V15
TOP TF125 V10
TCC/T&W TF100 V80
TCC/T&W TF100 V70
TCC/T&W TF125 V55
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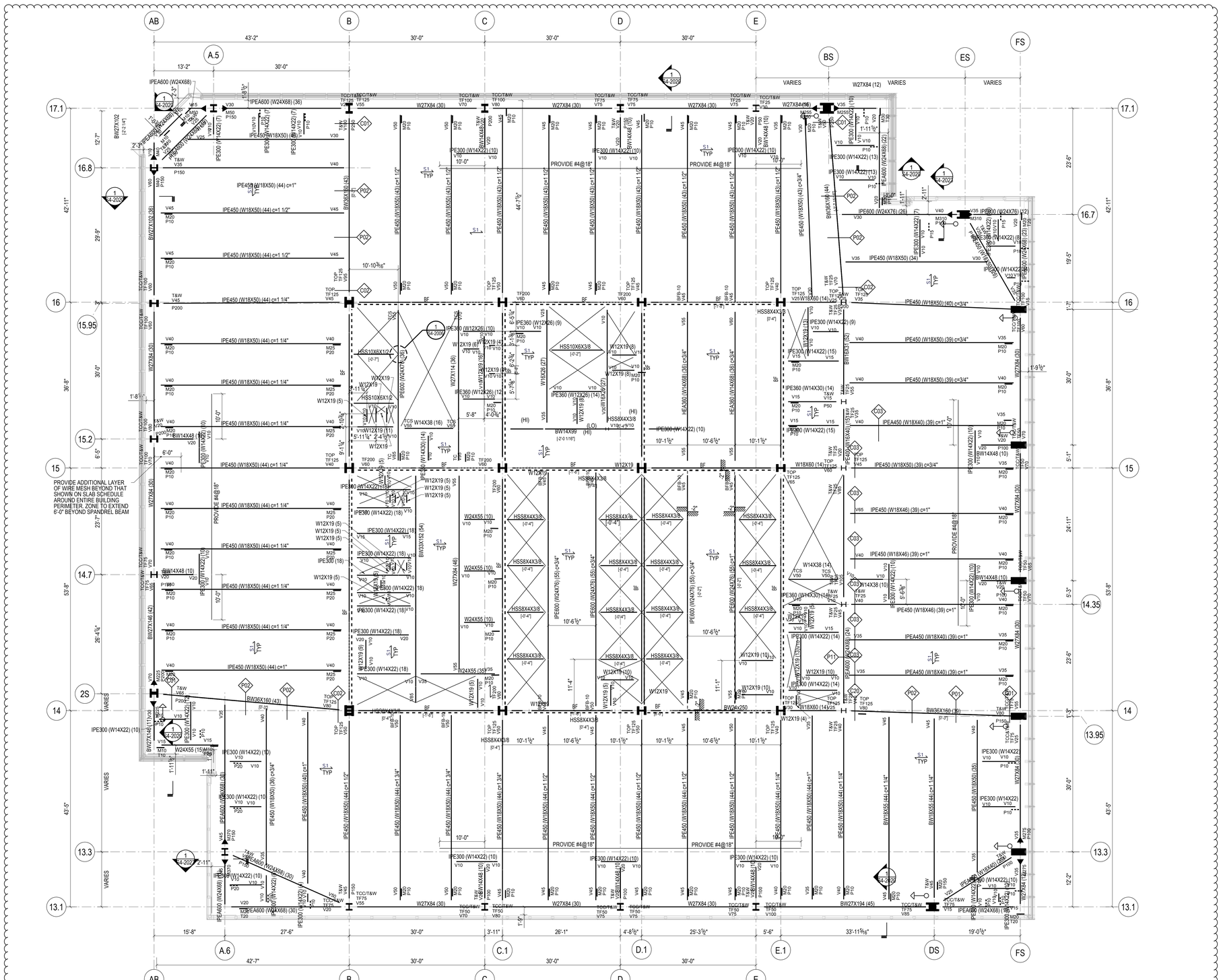
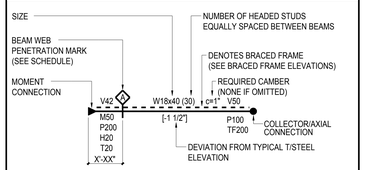


STEEL BEAM LEGEND



V INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P INDICATES FACTORED END AXIAL FORCE IN KIPS
H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 843'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 843'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS

- INDICATES MOMENT CONNECTION
- INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
- INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
- INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
- UP INDICATES SLOPE IN TOP OF SLAB
- INDICATES CHANGE IN SLAB THICKNESS
- INDICATES SLOPING COLUMN DIRECTION
- INDICATES THICKENED SLAB
- INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
- INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
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11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

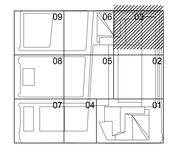
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-5003
Drawing Title

FLOOR FRAMING PLAN
50-SECTOR 03

Drawing Number
S1-5003
B-Scan Drawing Number
S-264.01

SHEET 125 OF 443

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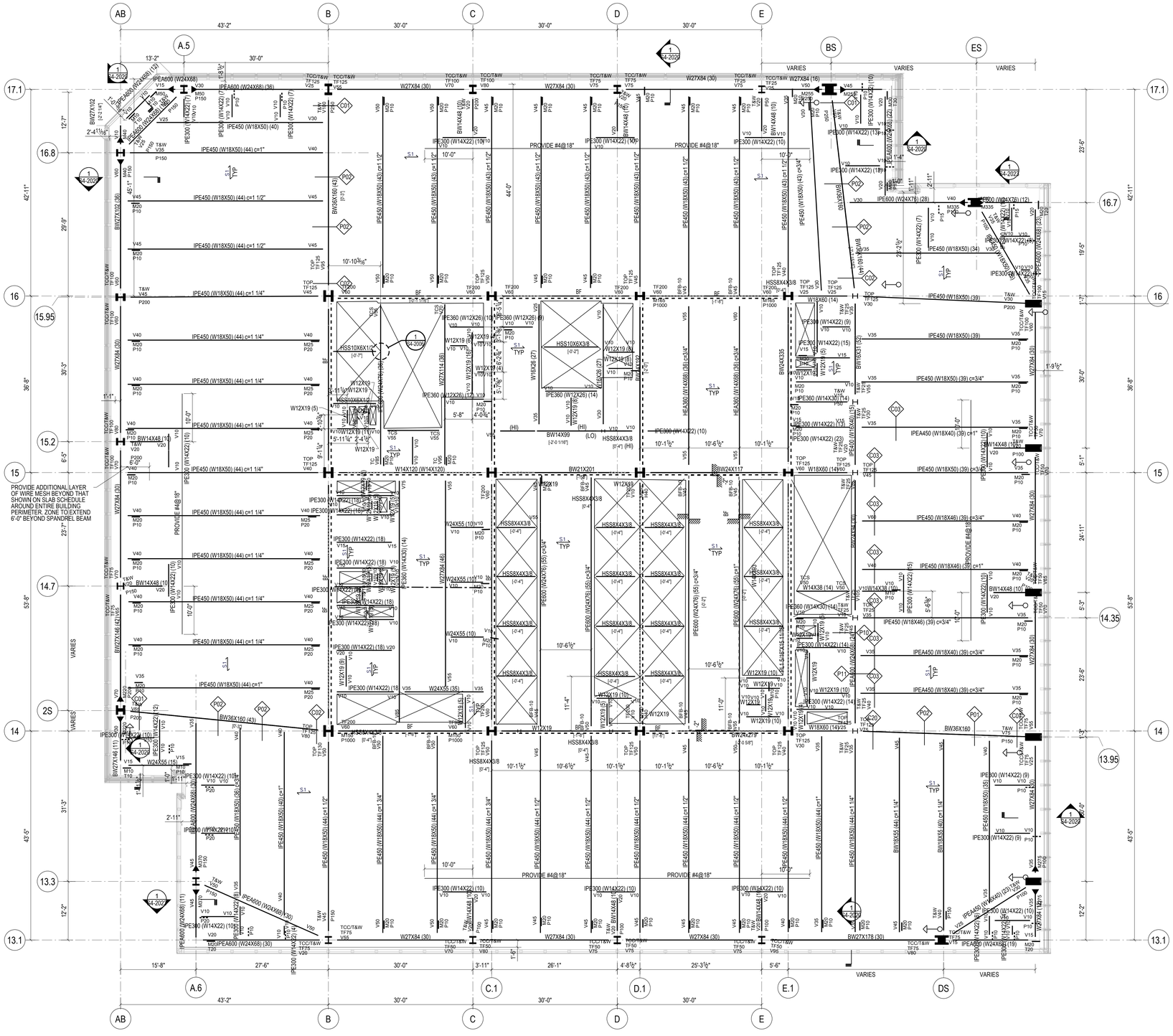
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43'-2"
30'-0"
13'-2"
VARIES
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER. ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
PROVIDE #4@18"
PROVIDE #4@18"
W27X84 (30)
W27X84 (16)
IPE600 (W24X68)
IPE450 (W18X50) (44) c=1"
IPE450 (W18X50) (44) c=1 1/2"
IPE450 (W18X50) (44) c=1 1/4"
IPE450 (W18X50) (43) c=1 1/2"
IPE450 (W18X50) (43) c=3/4"
IPE450 (W18X50) (41) c=1 1/2"
IPE450 (W18X50) (41) c=1 1/4"
IPE450 (W18X50) (39) c=3/4"
IPE450 (W18X50) (39) c=1"
IPE450 (W18X46) (39) c=3/4"
IPE450 (W18X46) (39) c=1"
IPEA450 (W18X40) (39) c=3/4"
IPEA450 (W18X40) (39) c=1"
IPE450 (W18X50) (34)
IPE300 (W14X22) (10)
IPE300 (W14X22) (9)
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IPE360 (W14X30) (14)
IPE360 (W12X26) (10)
IPE360 (W12X26) (14)
IPE360 (W12X26) (9)
IPE600 (W24X76) (28)
IPE600 (W24X76) (12)
IPE600 (W24X76) (55) c=3/4"
IPE600 (W24X76) (55) c=1"
IPE600 (W24X68) (30)
IPE600 (W24X68) (25)
IPE600 (W24X68) (19)
W18X60 (14)
W18X60 (14)v29
W18X60 (14)v25
W14X120 (W14X120)
W14X38 (14)
W14X38 (10)
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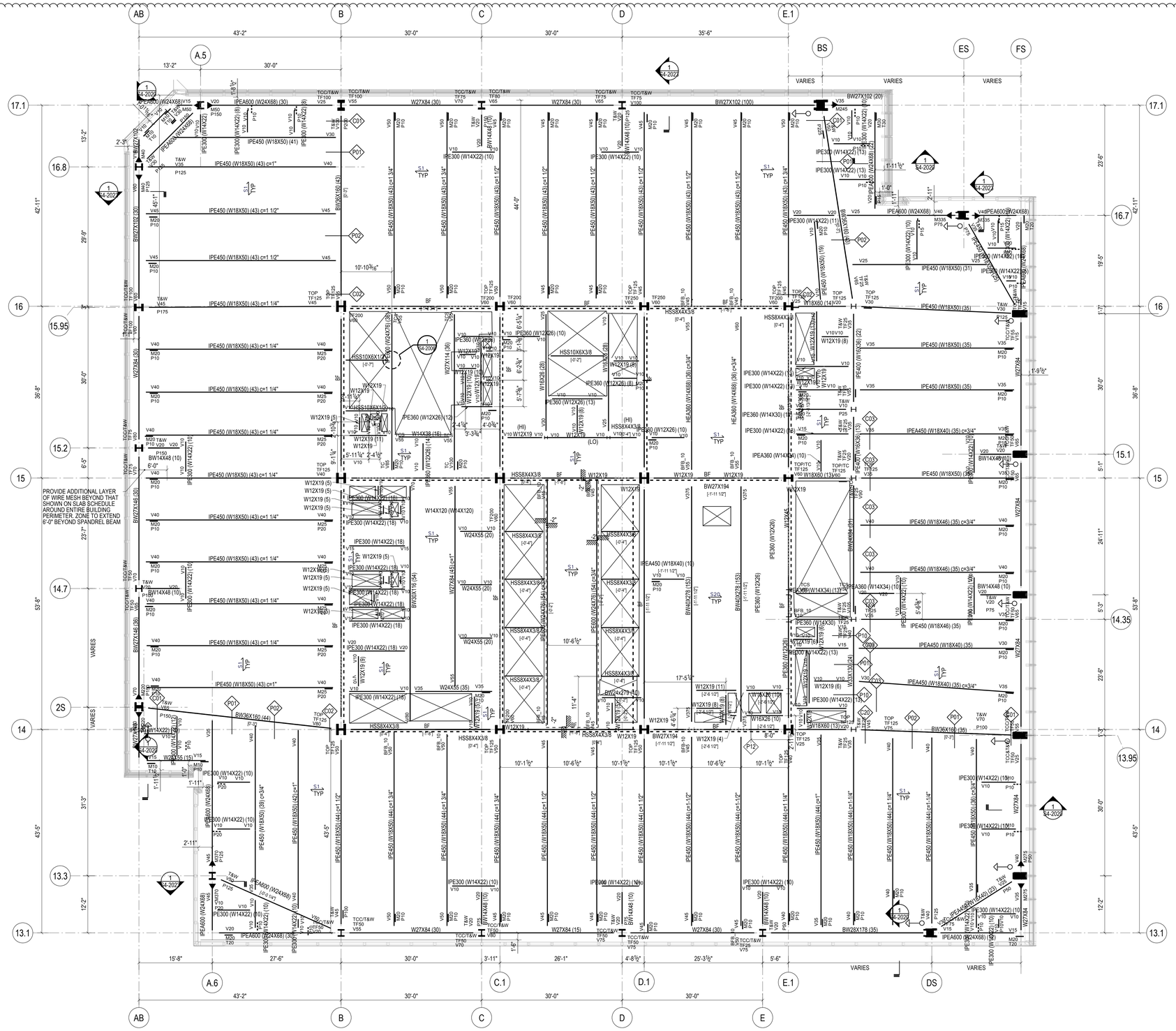
W8X35
W8X31
W8X28
W8X24
W8X21
W8X18
W6X25
W6X20
W6X16
W6X15
W6X12
W6X9
W6X8.5
W5X19
W5X16
W5X13
W4X13
W4X11
W4X9
W4X8
W4X6.5
HEA360 (W14X90) (60) c=3/4"
HEA360 (W14X90) (60) c=1"
HSS8X4X3/8 [0'-4"]
HSS10X6X1/2 [0'-3"]
HSS10X6X3/8 [0'-2"]
HSS8X4X3/8 [0'-4"] (HI)
HSS8X4X3/8 [0'-4"] (LO)
BW14X48 (10)
BW14X48 (10)v20
BW14X48 (10)v30
BW14X48 (10)v25
BW14X48 (10)v15
BW14X48 (10)v10
BW14X48 (10)v5
BW14X48 (10)v0
BW14X48 (10)v-5
BW14X48 (10)v-10
BW14X48 (10)v-15
BW14X48 (10)v-20
BW14X48 (10)v-25
BW14X48 (10)v-30
BW14X48 (10)v-35
BW14X48 (10)v-40
BW14X48 (10)v-45
BW14X48 (10)v-50
BW14X48 (10)v-55
BW14X48 (10)v-60
BW14X48 (10)v-65
BW14X48 (10)v-70
BW14X48 (10)v-75
BW14X48 (10)v-80
BW14X48 (10)v-85
BW14X48 (10)v-90
BW14X48 (10)v-95
BW14X48 (10)v-100
BW14X48


AB
B
C
D
E.1
BS
ES
FS
A.5
A.6
C.1
D.1
E
DS
43'-2"
30'-0"
35'-6"
13'-2"
VARIES
17.1
16.8
16.7
16
15.95
15.2
15.1
15
14.7
14.35
14
13.95
13.3
13.1
2S
42'-11"
29'-9"
36'-8"
30'-0"
23'-7"
53'-8"
24'-11"
43'-5"
31'-3"
12'-2"
15'-8"
27'-6"
3'-11"
26'-1"
4'-8½"
25'-3½"
5'-6"
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER. ZONE TO EXTEND 8'-0" BEYOND SPANDREL BEAM
1 S4-2020
1 S4-2021
1 S4-2022
1 S4-2023
S1 TYP
S2 TYP
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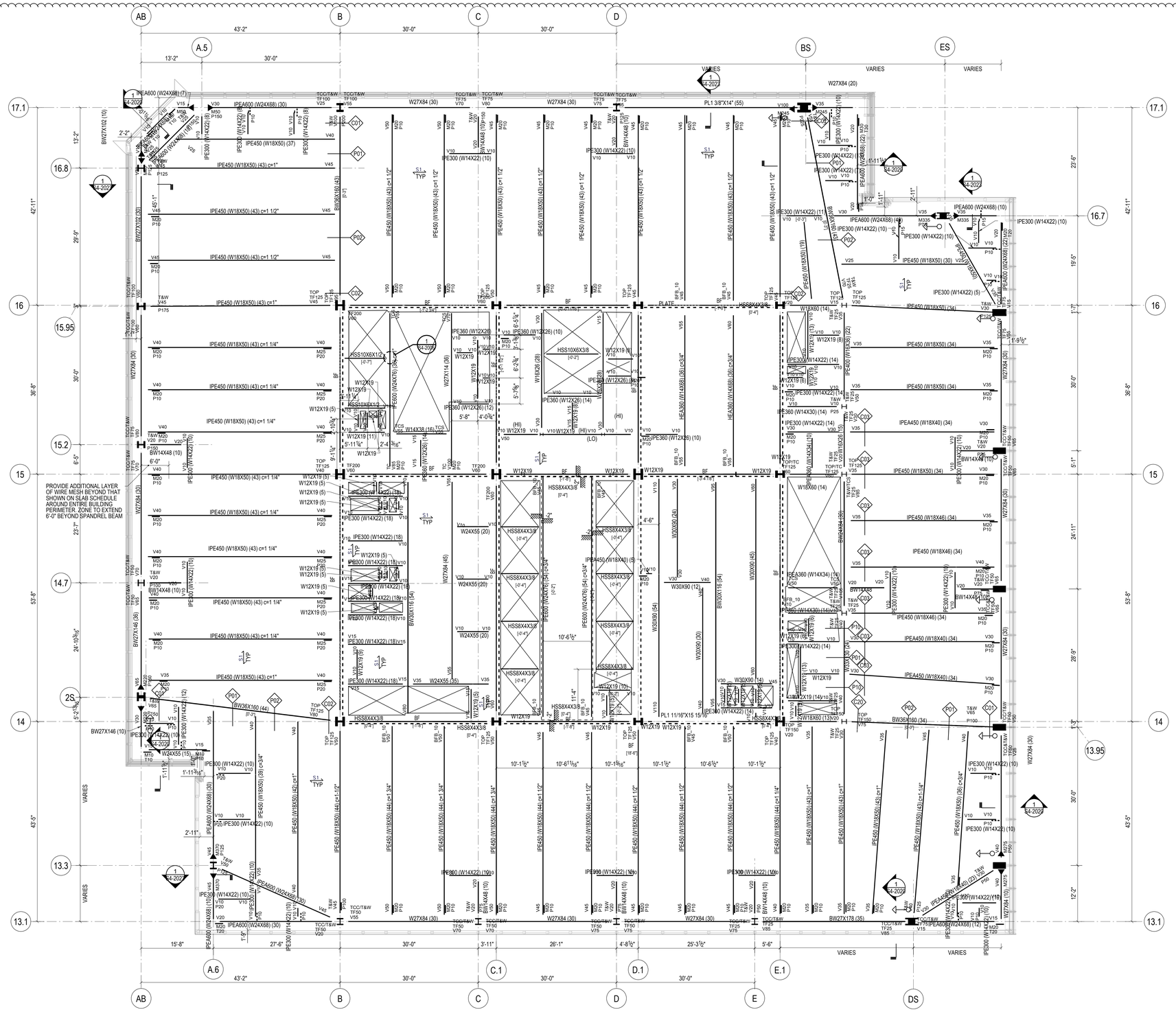
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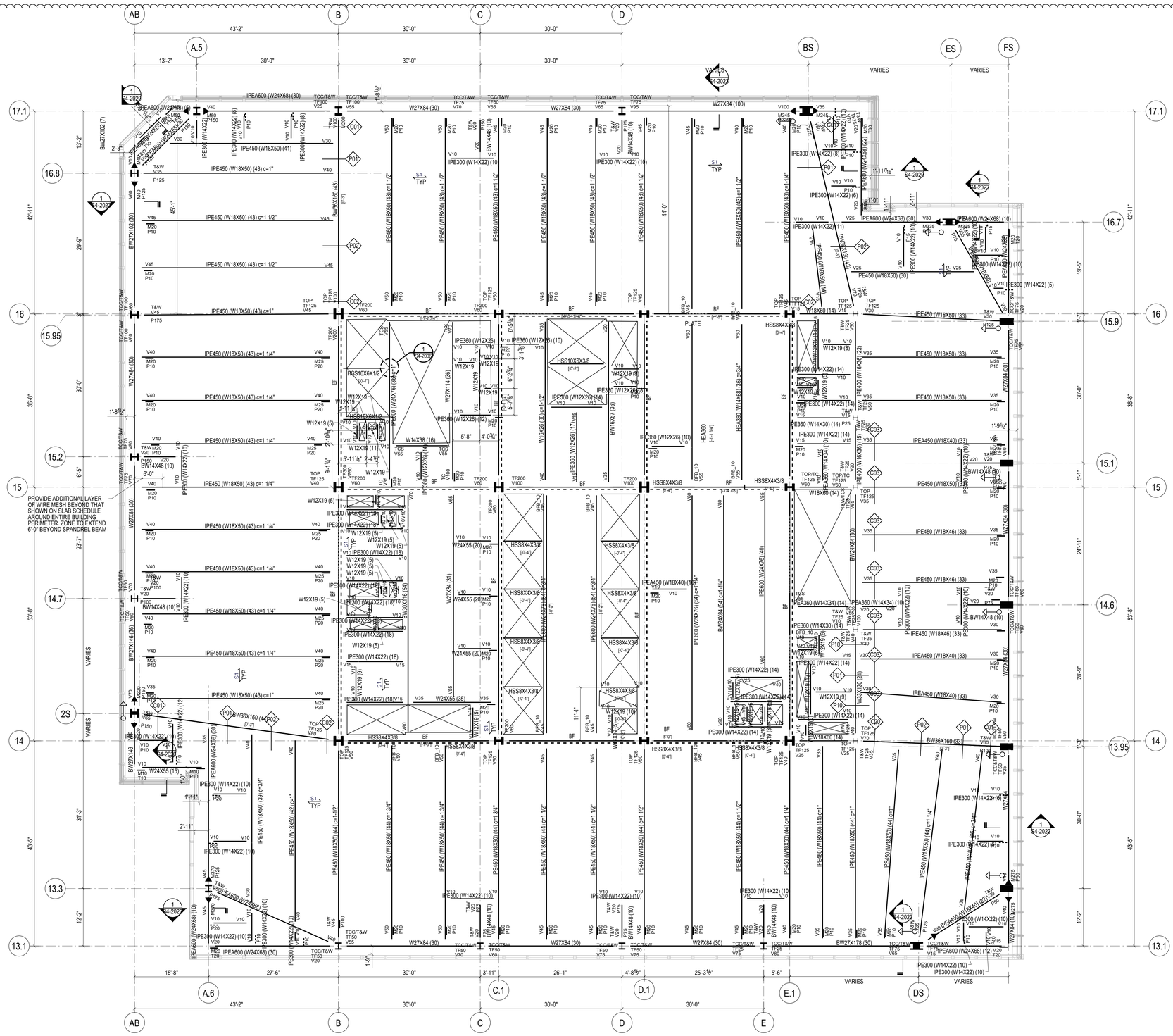
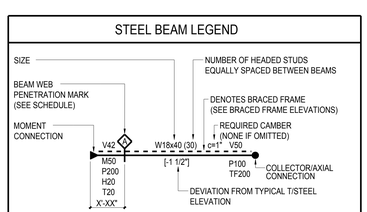
30'-0"
13'-2"
VARIES
17.1
16.8
16
15.95
15.2
15
14.7
14
2S
13.3
13.1
16.7
13.95
42'-11"
29'-9"
36'-8"
38'-0"
6'-5"
23'-7"
53'-8"
24'-10⅜"
5'-2"⅝"
43'-5"
19'-5"
1'-7"
30'-0"
24'-11"
28'-9"
12'-2"
W27X84 (20)
PL1 3/8"X14" (55)
PL1 11/16"X15 15/16" (55)
IPEA600 (W24X68) (7)
IPEA600 (W24X68) (30)
IPE450 (W18X50) (37)
IPE450 (W18X50) (43) c=1"
IPE450 (W18X50) (43) c=1 1/2"
IPE450 (W18X50) (43) c=1 1/4"
IPE450 (W18X50) (43) c=1 1/4"
IPE300 (W14X22) (10)
IPE300 (W14X22) (18)
IPE300 (W14X22) (18)15
IPE300 (W14X22) (18)15
IPE300 (W14X22) (18)15

CAST OF BLACK 2013R0525 BIN Number
B1905/2013(S) Approval Date



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 897'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 897'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

N

0 4' 8' 16'

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2002
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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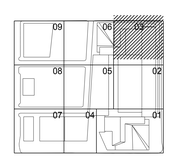
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK
ROBERT J. GOTTLIEB
LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-5403

Drawing Title

FLOOR FRAMING PLAN
54-SECTOR 03

Drawing Number **S1-5403**
R-Scan Drawing Number S-268.01

SHEET 129 OF 443

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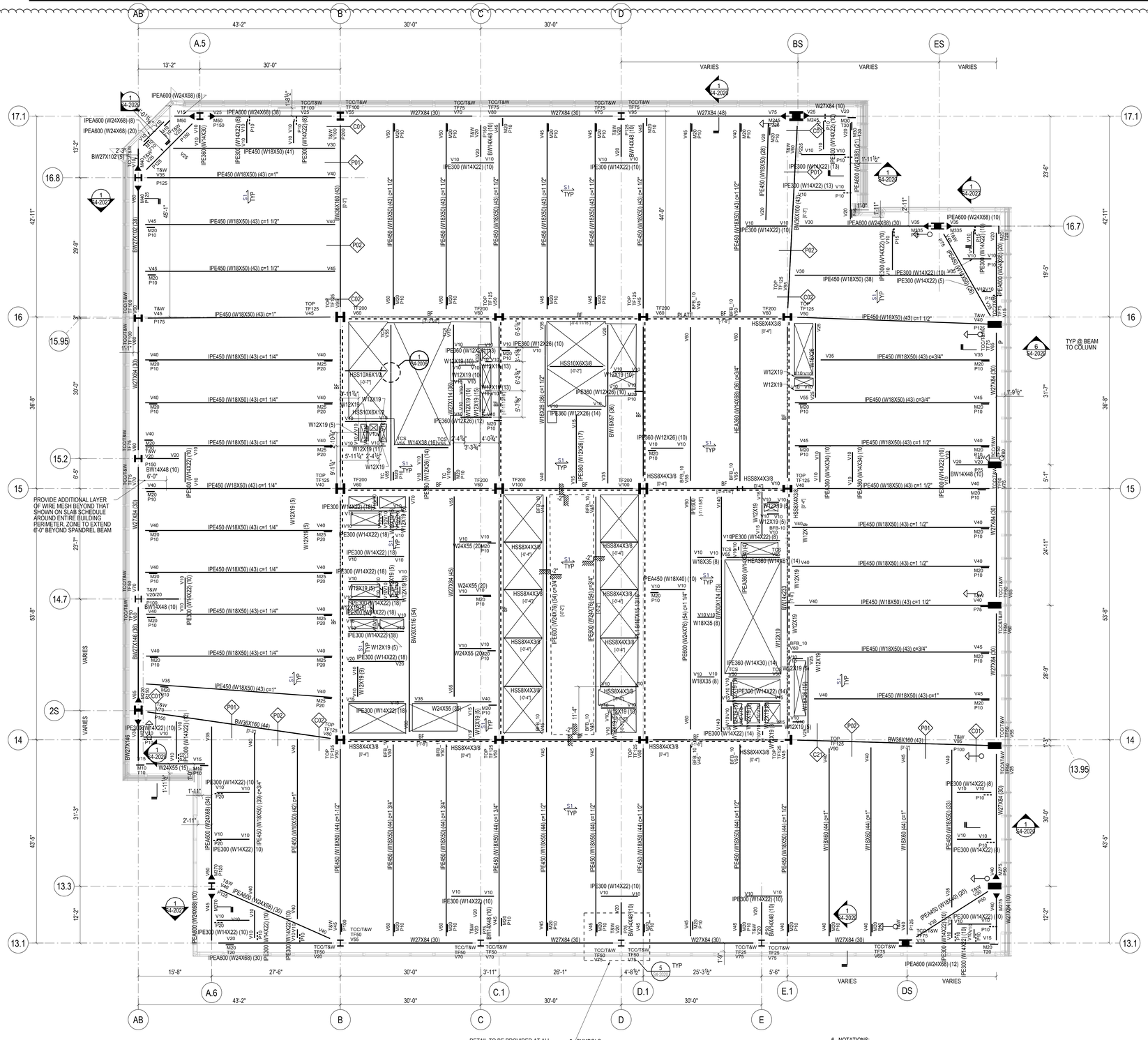
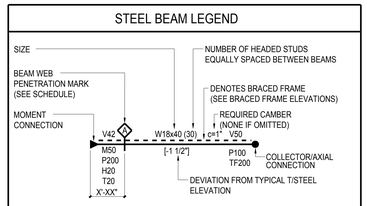
CAUTION: Electronic Data Set Number



STEEL BEAM LEGEND



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H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T INDICATES TORSIONAL MOMENT IN KIP-FEET
TF INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 911'-0" UON THUS:
   X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 910'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
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   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
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PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
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CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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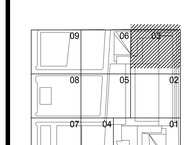
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-5503

Drawing Title

FLOOR FRAMING PLAN
55 (TYPICAL HIGH RISE)
SECTOR 03

Drawing Number
S1-5503
R-Scan Drawing Number

S-269.01

SHEET 130 OF 443

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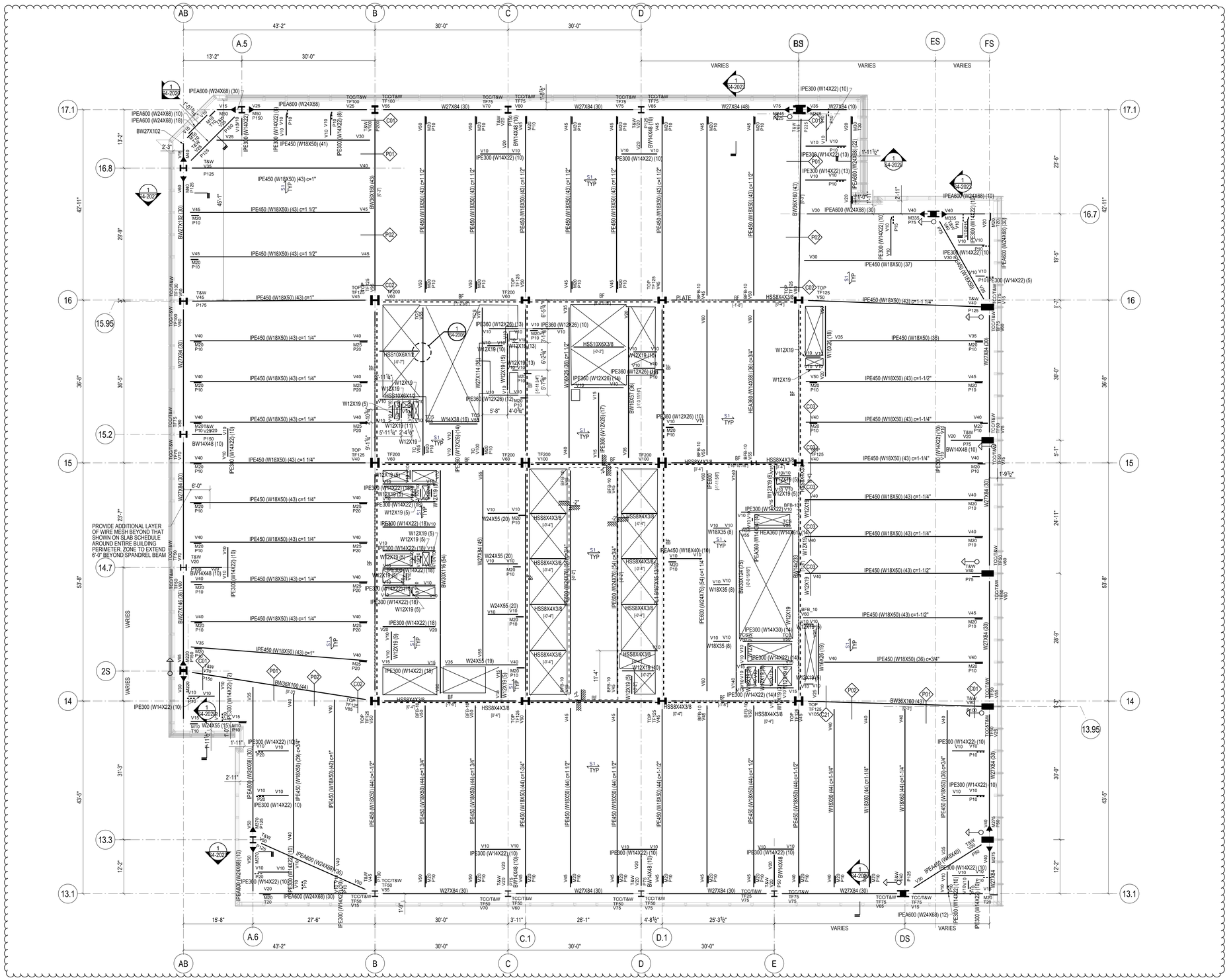
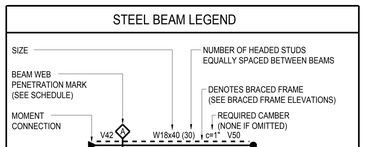


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

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3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

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6. NOTATIONS:

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TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
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BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR.XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
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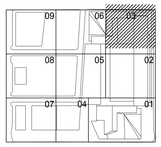
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-5603
Drawing Title

FLOOR FRAMING PLAN
56-SECTOR 03

Drawing Number
S1-5603
R-Scan Drawing Number
S-270.01

SHEET 131 OF 443

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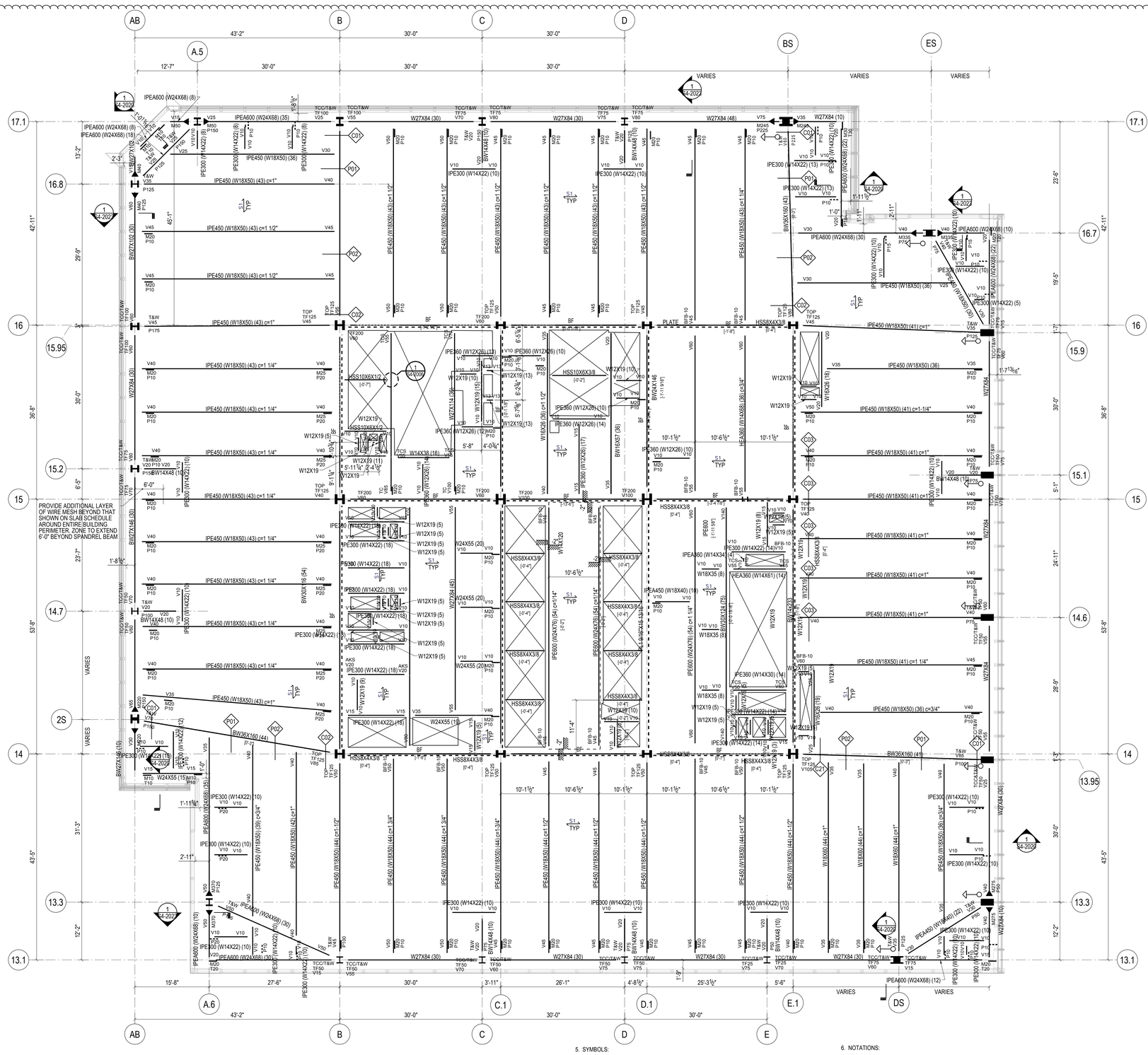
AB
B
C
D
BS
ES
A.5
A.6
C.1
D.1
E.1
DS
2S
43'-2"
30'-0"
12'-7"
VARIES
17.1
16.8
16.7
16
15.95
15.9
15.2
15.1
15
14.7
14.6
14
13.95
13.3
13.1
42'-11"
29'-9"
36'-8"
30'-0"
23'-7"
53'-8"
31'-3"
43'-5"
12'-2"
24'-11"
26'-8"
19'-5"
23'-6"
6'-5"
6'-0"
1'-8½"
2'-3"
13'-2"
45'-1"
1'-11½"
2'-11"
1'-1"
1'-0"
15'-8"
27'-6"
3'-11"
26'-1"
4'-8½"
25'-3½"
5'-6"
1'-3"
10'-1½"
10'-6½"
5'-8"
4'-0¾"
5'-7⅝"
6'-0¾"
5'-11⅛"
2'-4⅛"
1'-7"
1'-7⅜16"
1'-11⅛"
11'-4"
2'-6"
1'-5"
PROVIDE ADDITIONAL LAYER OF WIRE MESH BEYOND THAT SHOWN ON SLAB SCHEDULE AROUND ENTIRE BUILDING PERIMETER, ZONE TO EXTEND 6'-0" BEYOND SPANDREL BEAM
IPEA600 (W24X68) (8)
IPEA600 (W24X68) (18)
IPEA600 (W24X68) (35)
IPE450 (W18X50) (36)
IPE450 (W18X50) (43) c=1"
IPE450 (W18X50) (43) c=1 1/2"
IPE450 (W18X50) (43) c=1 1/4"
IPE450 (W18X50) (44) c=1 1/2"
IPE450 (W18X50) (44) c=1 3/4"
IPE450 (W18X50) (41) c=1"
IPE450 (W18X50) (41) c=1 1/4"
IPE450 (W18X50) (41) c=1 1/2"
IPE450 (W18X50) (41) c=1 3/4"
IPE450 (W18X50) (36) c=3/4"
IPE450 (W18X50) (41) c=1-1/4"
IPE300 (W14X22) (10)
IPE300 (W14X22) (13)
IPE300 (W14X22) (18)
IPE300 (W14X22) (14)
IPE300 (W14X22) (5)
IPE360 (W12X26) (13)
IPE360 (W12X26) (10)
IPE360 (W12X26) (14)
IPE360 (W12X26) (12)
IPE360 (W12X26) (17)
IPE360 (W12X26) (16)
IPE360 (W12X26) (15)
IPE360 (W12X26) (10)
IPE360 (W14X30) (14)
IPE360 (W14X61) (14)
IPE360 (W14X34) (4)
IPE600 (W24X76) (54) c=1 1/4"
IPE600 (W24X76) (54) c=1"
IPE600 (W24X76) (54) c=1 1/2"
IPE600 (W24X76) (54) c=1 3/4"
IPEA450 (W18X40) (10)
IPEA450 (W18X40) (22)
IPEA360 (W14X68) (36) c=3/4"
IPEA600 (W24X68) (30)
IPEA600 (W24X68) (12)
IPEA600 (W24X68) (22)
W27X84 (30)
W27X84 (10)
W27X84 (48)
W27X84 (45)
W27X84 (54)
W27X84 (41)
W27X84 (39)
W27X84 (10)
BW27X102 (30)
BW27X114 (30)
BW27X146 (30)
BW30X116 (54)
BW36X160 (44)
BW36X160 (41)
BW36X160 (43)
BW14X48 (10)
BW14X48 (19)
BW14X68 (10)
BW2X146
W12X19
W12X19 (5)
W12X19 (10)
W12X19 (11)
W12X19 (13)
W12X19 (15)
W12X26 (18)
W18X35 (8)
W18X57 (36)
W18X60 (41) c=1"
W18X65 (44) c=1"
W18X76 (41) c=1"
W24X55 (20)
W24X55 (15)
W14X120
HSS8X4X3/8
HSS10X6X1/2
HSS10X6X3/8
HSS6X4X3/8
HSS8X4X3/8
HSS8X4X5/16
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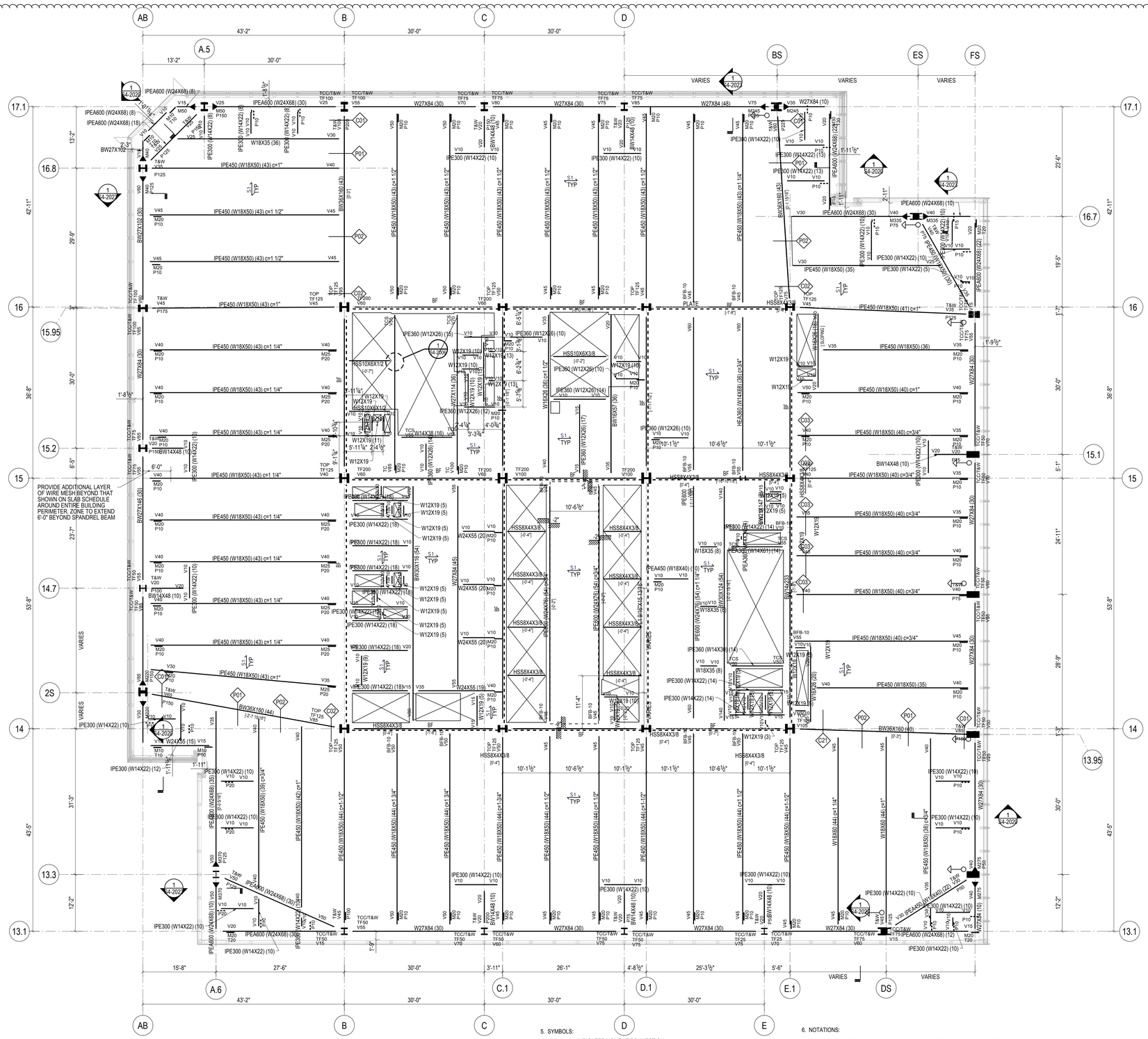
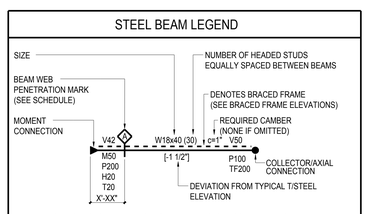


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 951'-6" UON THUS:
   "X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 951'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR.XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
Kohn Pedersen Fox Associates
11 West 42nd Street
New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

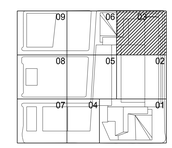
Structural Engineer
Thornton Tomasetti, Inc.
51 Madison Avenue
New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
80 Pine Street
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-5803
Drawing Title

FLOOR FRAMING PLAN
58-SECTOR 03

Drawing Number
S1-5803
R-Scan Drawing Number
S-272.01

SHEET 133 OF 443

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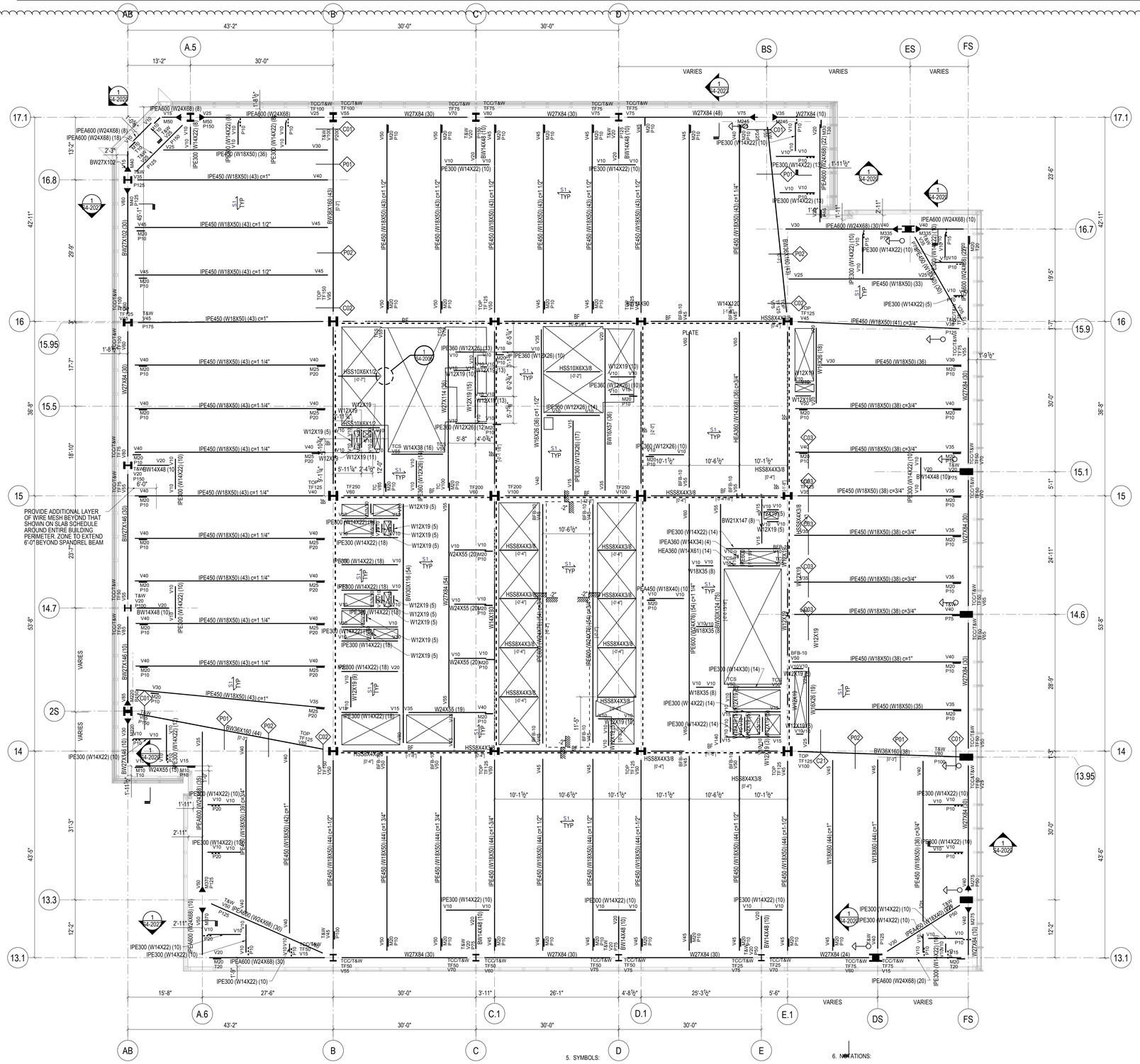
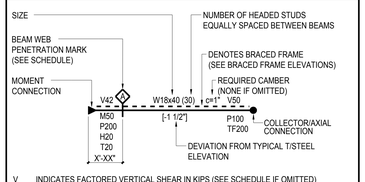
Doc Cat Code 3A2D1280000 Job Number
E3G2T3800000 Sheet Number



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
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TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 965'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 964'-6 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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SCHEDULES	S5 SERIES DRAWINGS
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TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
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6. NOTATIONS:

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TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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320 Park Avenue, 17th Floor
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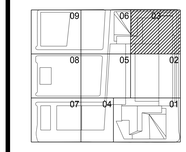
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DANIEL J. DOLAN — 090766 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-5903
Drawing Title

FLOOR FRAMING PLAN
59-SECTOR 03

Drawing Number
S1-5903
X-Scan Drawing Number
S-273.01

SHEET 134 OF 443

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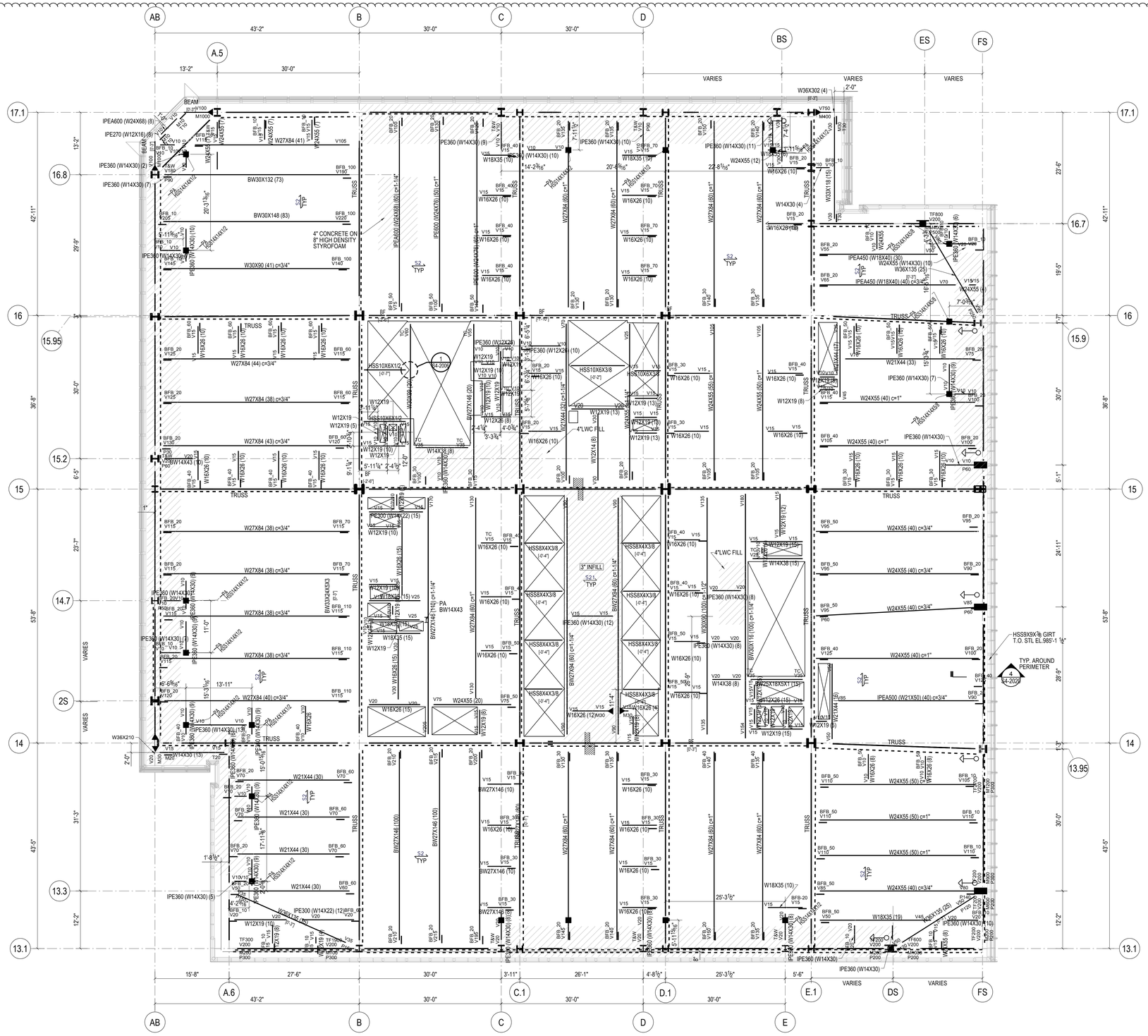
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B
C
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A.6
C.1
D.1
E.1
DS
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17.1
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16.7
16
15.95
15.9
15.2
15
14.7
14
13.95
13.3
13.1
2S
43'-2"
30'-0"
13'-2"
VARIES
W36X302 (4)
2'-0"
BEAM
IPEA600 (W24X68) (8)
IPE270 (W12X16) (6)
IPE360 (W14X30) (2)
IPE360 (W14X30) (7)
W27X84 (41)
BW30X132 (73)
BW30X148 (83)
W30X90 (41) c=3/4"
4" CONCRETE ON 6" HIGH DENSITY STYROFOAM
IPE360 (W14X30) (9)
PE360 (W14X30) (9)
W27X84 (60) c=1"
W16X26 (10)
W16X26 (15)
W27X84 (38) c=3/4"
W27X84 (40) c=3/4"
W27X84 (43) c=3/4"
W27X84 (44) c=3/4"
W21X44 (30)
W21X44 (33)
W24X55 (40) c=1"
W24X55 (40) c=3/4"
W24X55 (50) c=1"
W24X55 (50) c=3/4"
W24X55 (6)
W24X55 (10)
W24X55 (15)
W24X55 (20)
W24X55 (55) c=1"
W24X55 (60) c=1"
W18X35 (10)
W18X35 (19)
W14X30 (4)
W14X38 (8)
W14X38 (15)
W12X19 (10)
W12X19 (13)
W12X19 (15)
W12X19 (16)
W12X19 (5)
W12X19 (8)
W12X26 (8)
W12X26 (15)
W12X35 (8)
W12X44 (8)
W12X44 (32) c=1-1/4"
W12X14 (8)
W33X118 (15)
W30X108 (10)
W30X90 (10) c=1-1/4"
W30X116 (100) c=1-1/4"
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W27X94 (80) c=1-1/4"
W36X135 (25)
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W36X210
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W36X1652X1 (680)
W36X1652X1 (710)
W36X1652X1 (740)
W36X1652X1 (770)
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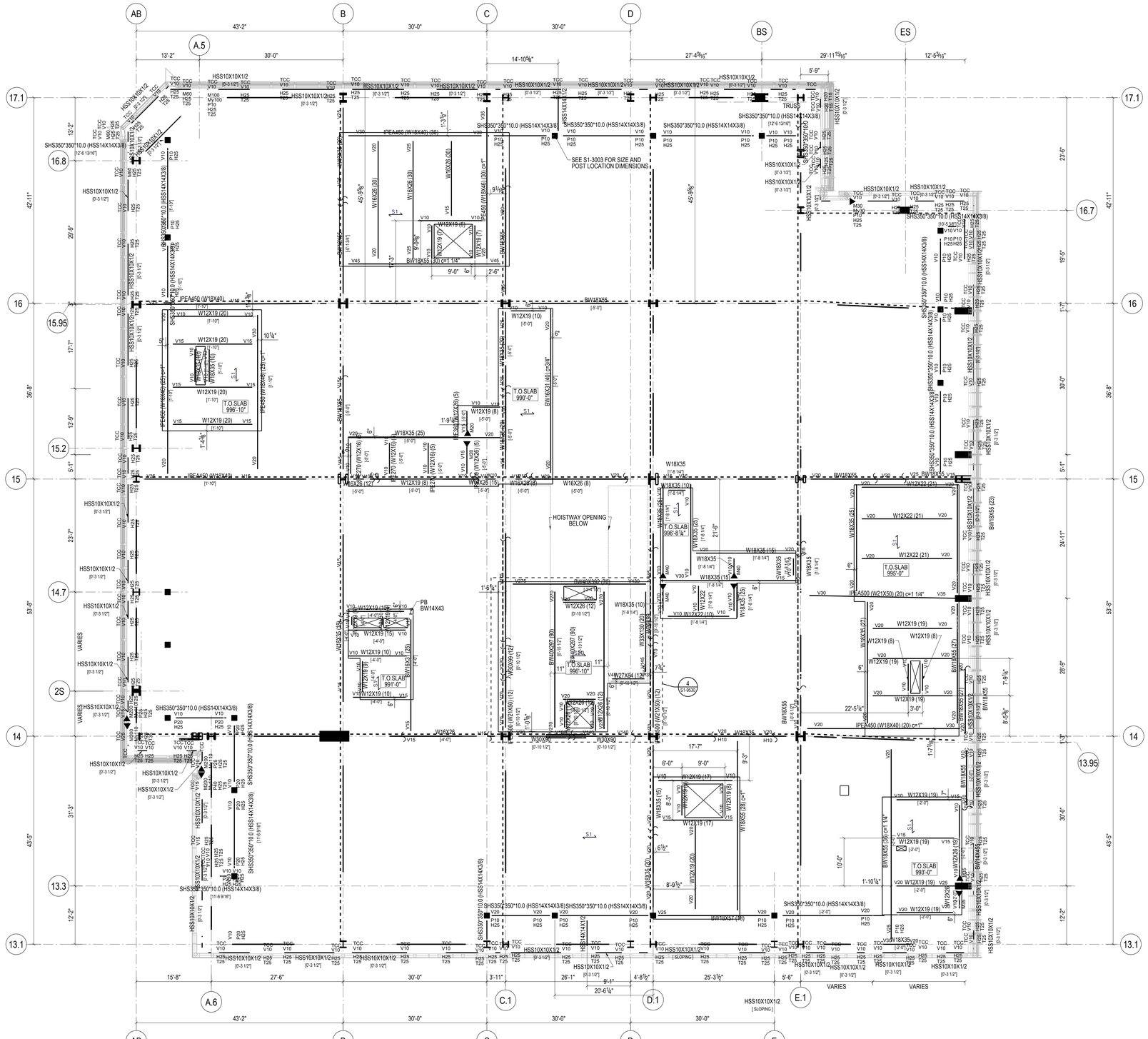

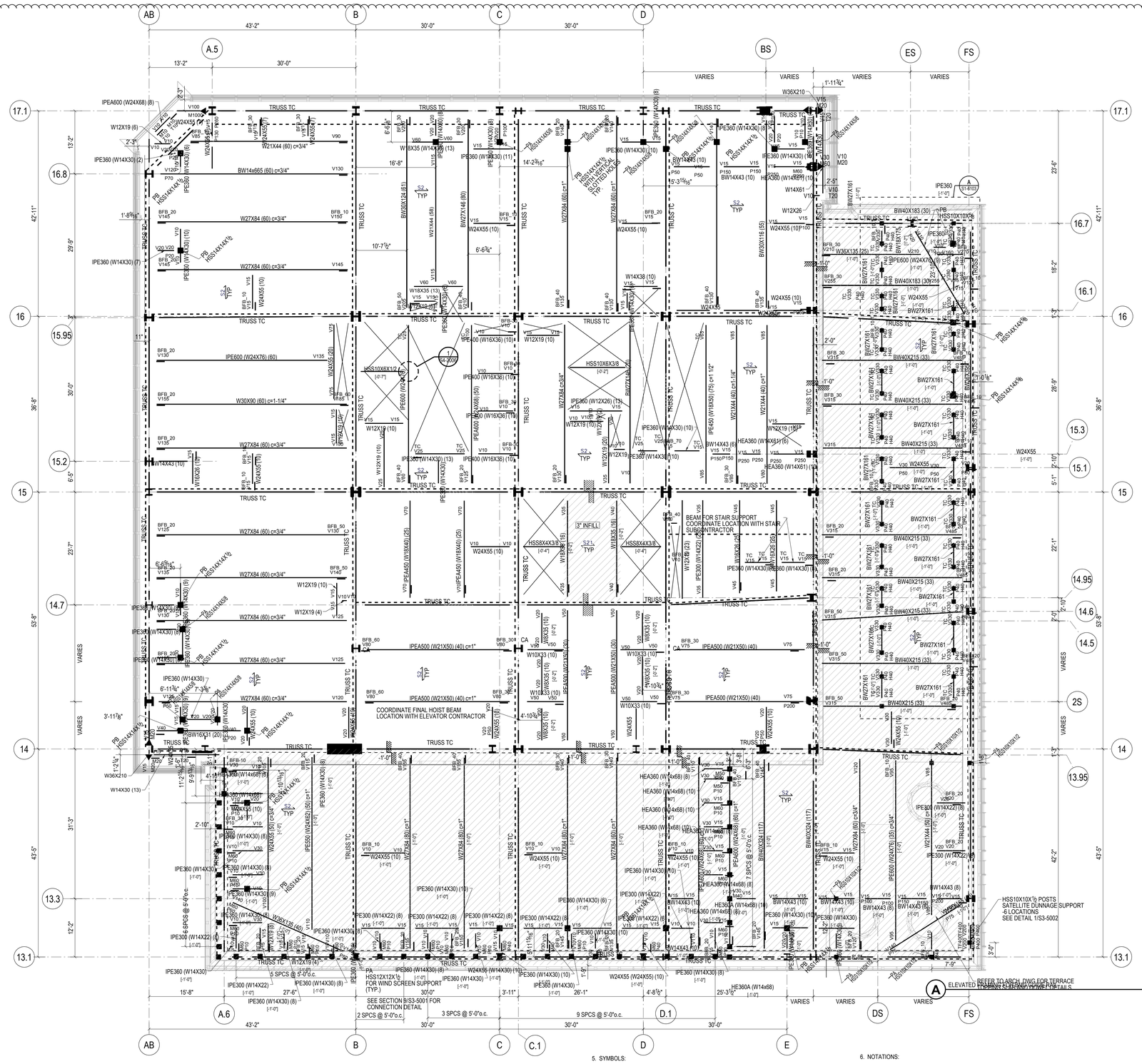
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13.1
16.7
16.1
15.3
15.1
14.95
14.6
14.5
2S
13.95
43'-2"
30'-0"
13'-2"
VARIES
W36X210
W12X19 (6)
IPEA600 (W24X68) (8)
IPE360 (W14X30) (2)
W14X30 (13)
W36X210
BW14x665 (60) c=3/4"
W27X84 (60) c=3/4"
W21X44 (60) c=3/4"
IPE600 (W24X76) (60)
W30X90 (60) c=1-1/4"
W14X43 (10)
W12X19 (10)
W12X19 (4)
W16X31 (20)
BW16X100 (6)
W16X26 (10)
W8X35 (13)
W18X35 (13)
W14X38 (10)
W24X55 (10)
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W24X55 (W24X76) (53) c=3/4"
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W24X55 (W24X76) (60) c=1"
W24X55 (W24X68) (50) c=3/4"
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W24X55 (W24X76) (60) c=1"
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W27X94 (60) c=1"
W30X124 (61)
W30X116 (55)
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W40X294 (117)
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BW27X84
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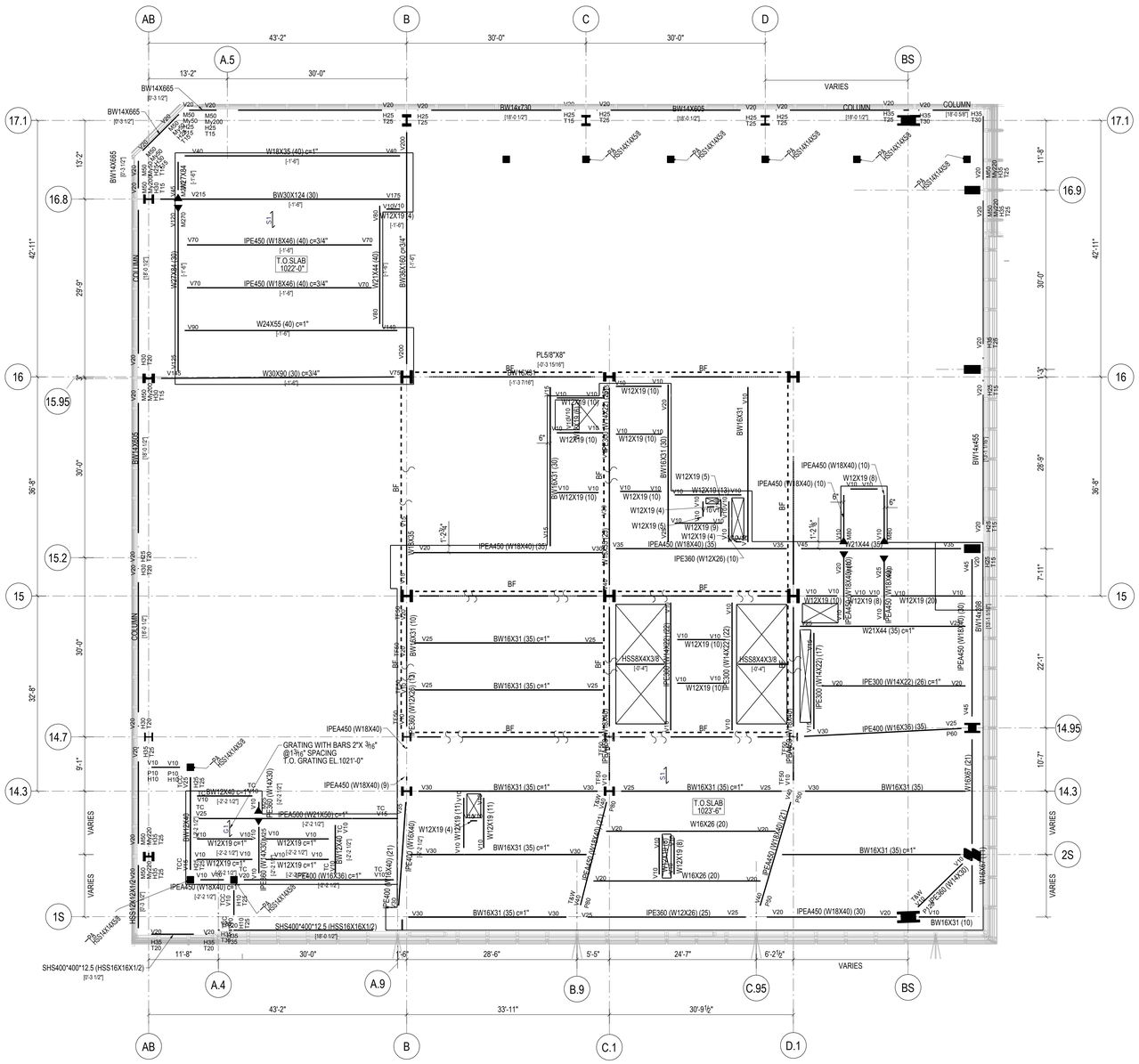
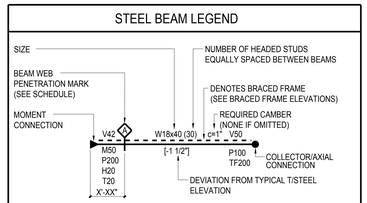


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 1023'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 1023'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
DAC Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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No.	Description	Date
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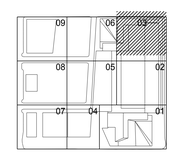
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-6103U
Drawing Title

FLOOR FRAMING PLAN 61U-SECTOR 03 (UPPER MECH)

Drawing Number
S1-6103U
N-Scan Drawing Number
S-277.01

SHEET 138 OF 443

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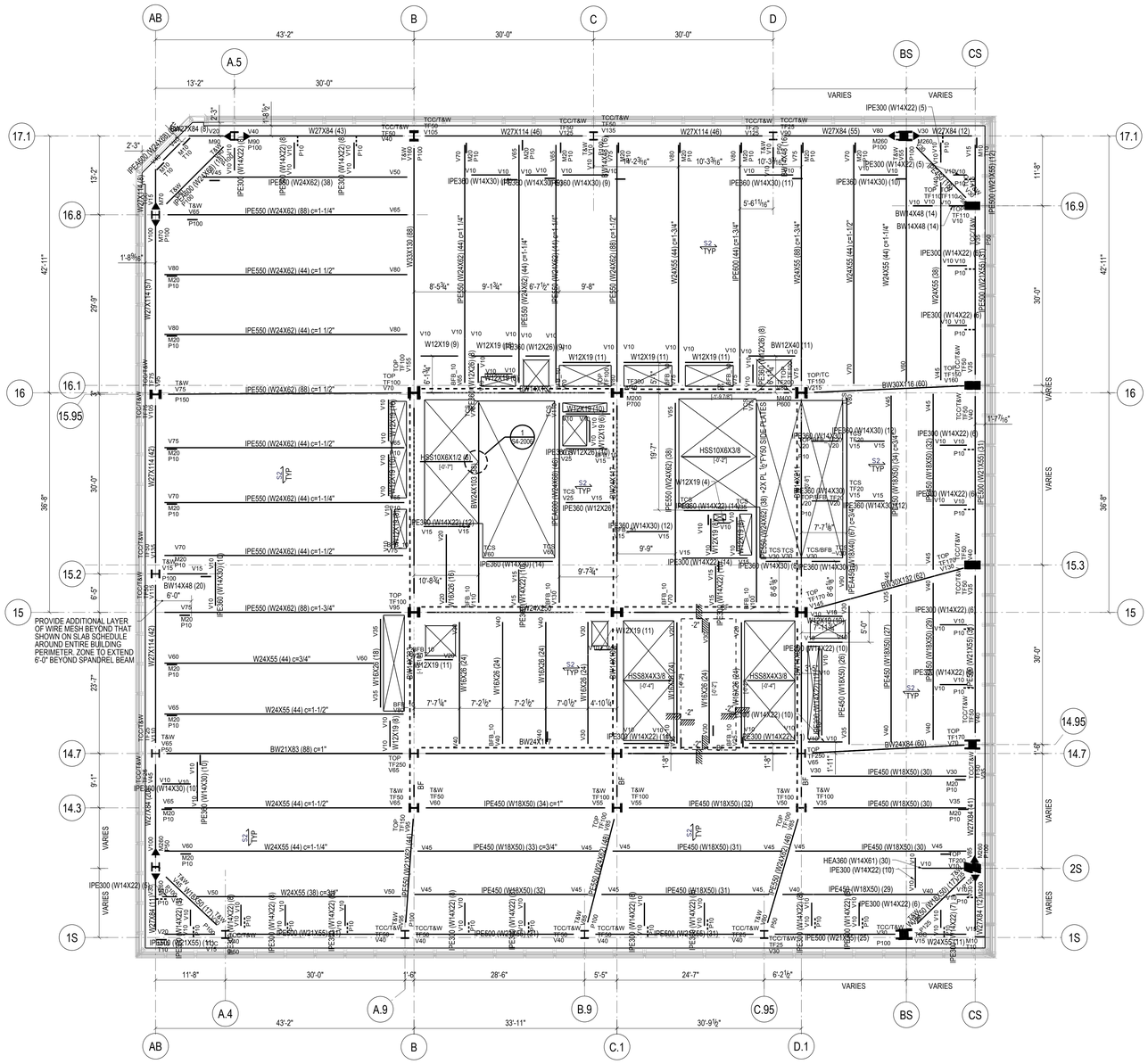
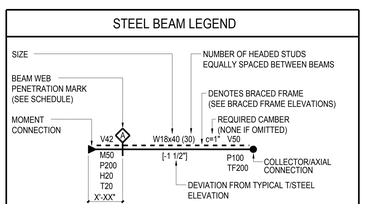
Control Number 331850425 Shell Core



STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

TYPICAL SHEET NOTES

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 1037'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 1036'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
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TYPICAL SHEET NOTES
NOT TO SCALE

TYPICAL SHEET NOTES (SYMBOLS)

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TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

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APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2017
NYC Development Hub

0 4' 8' 16'

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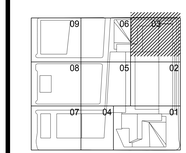
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number HYE-TA-S1-6203

Drawing Title
FLOOR FRAMING PLAN
62 (TYP. UPPER HIGH RISE
SECTOR 03

Drawing Number **S1-6203**
Revision Drawing Number S-278.01

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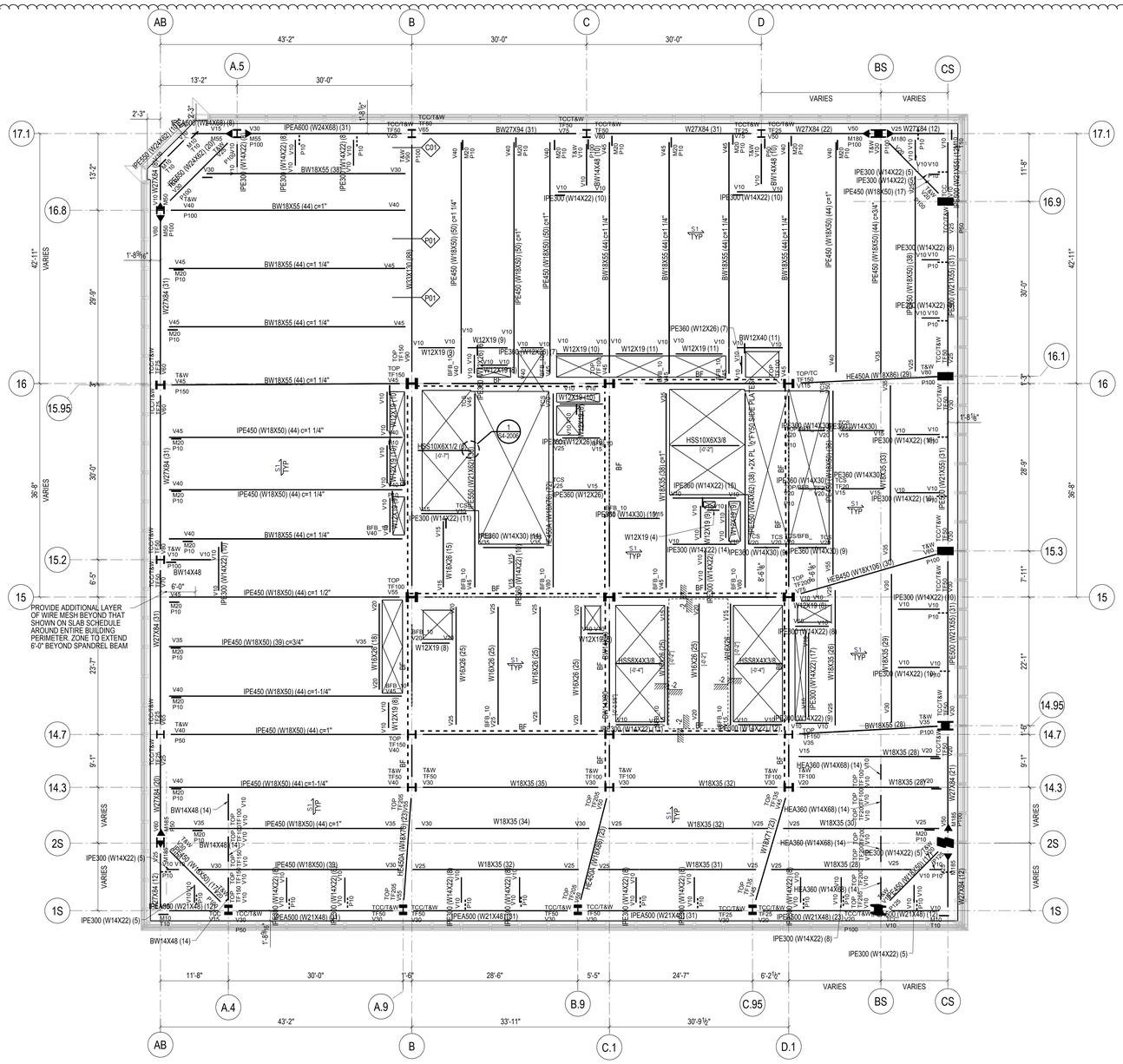
AB
B
C
D
43'-2"
30'-0"
30'-0"
A.5
13'-2"
30'-0"
BS
CS
VARIES
VARIES
17.1
16.8
16
15.95
15.2
15
14.7
14.3
2S
1S
16.9
16.1
16
15.3
15
14.95
14.7
14.3
2S
1S
IPE450 (W18X50) (44) c=1 1/4"
BW18X55 (44) c=1 1/4"
IPE450 (W18X50) (44) c=1 1/2"
IPE450 (W18X50) (44) c=3/4"
IPE450 (W18X50) (44) c=1-1/4"
IPE450 (W18X50) (44) c=1"
IPE300 (W14X22) (5)
BW14X48 (14)
HE450A (W18X86) (29)
HE360 (W14X68) (14)
W18X35 (28)
W18X35 (32)
W18X35 (35)
W18X35 (34)
W18X35 (31)
W12X19 (8)
W12X19 (9)
W12X19 (10)
W12X19 (11)
W12X19 (4)
W16X26 (25)
W16X26 (15)
W16X26 (8)
HSS10X6X1/2 (6)
HSS8X4X3/8 (25)
HSS10X6X3/8
W27X84 (31)
W27X84 (22)
W27X84 (12)
W27X94 (31)
W27X84 (20)
W27X84 (17)
W27X84 (21)
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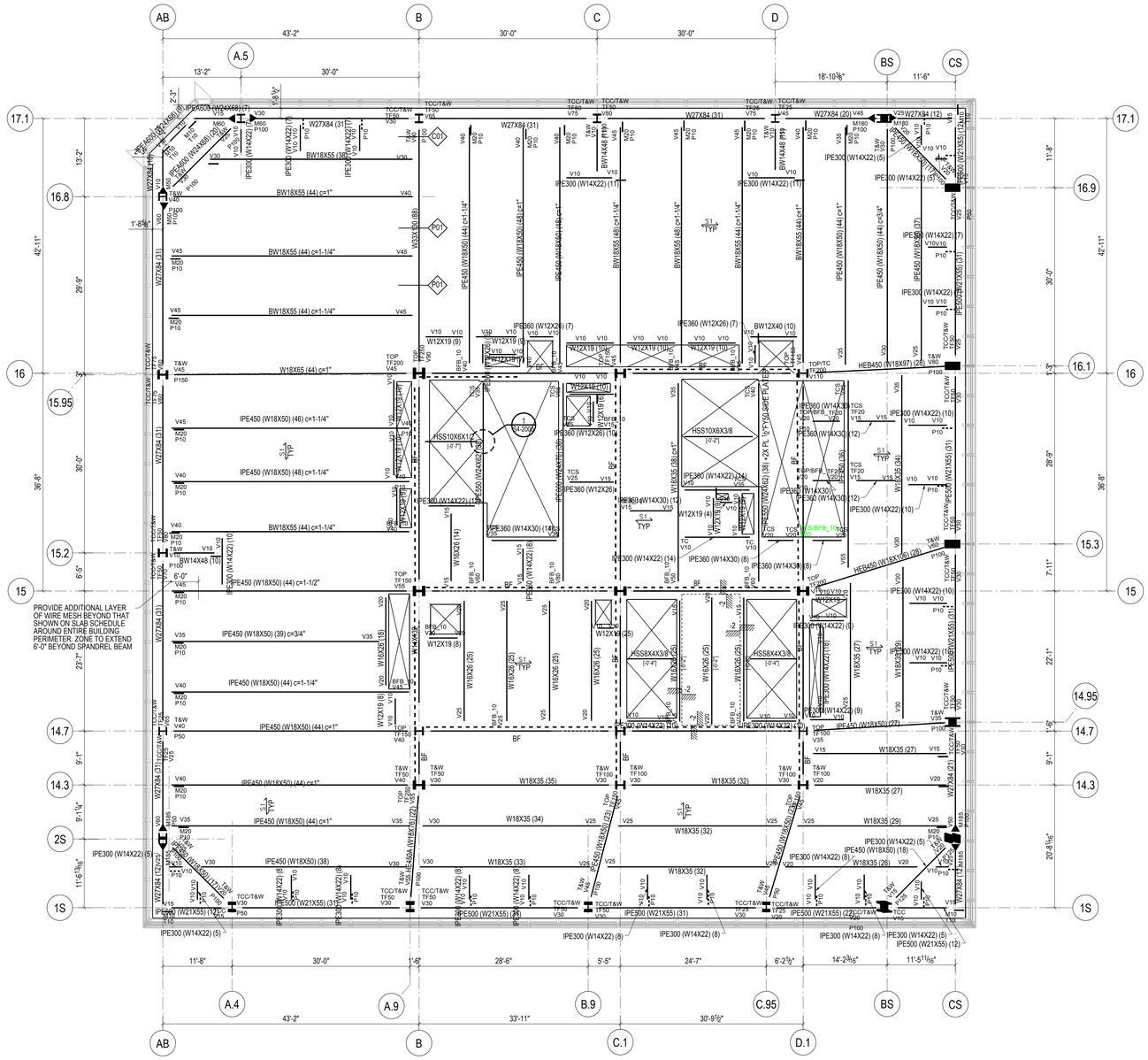
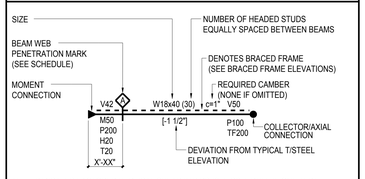


STEEL BEAM LEGEND



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STEEL BEAM LEGEND
NOT TO SCALE

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AS NOTED PLAN EXAMINER
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Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-6403
Drawing Title

FLOOR FRAMING PLAN
64-SECTOR 03

Drawing Number
S1-6403
X-Scan Drawing Number
S-280.01

SHEET 141 OF 443

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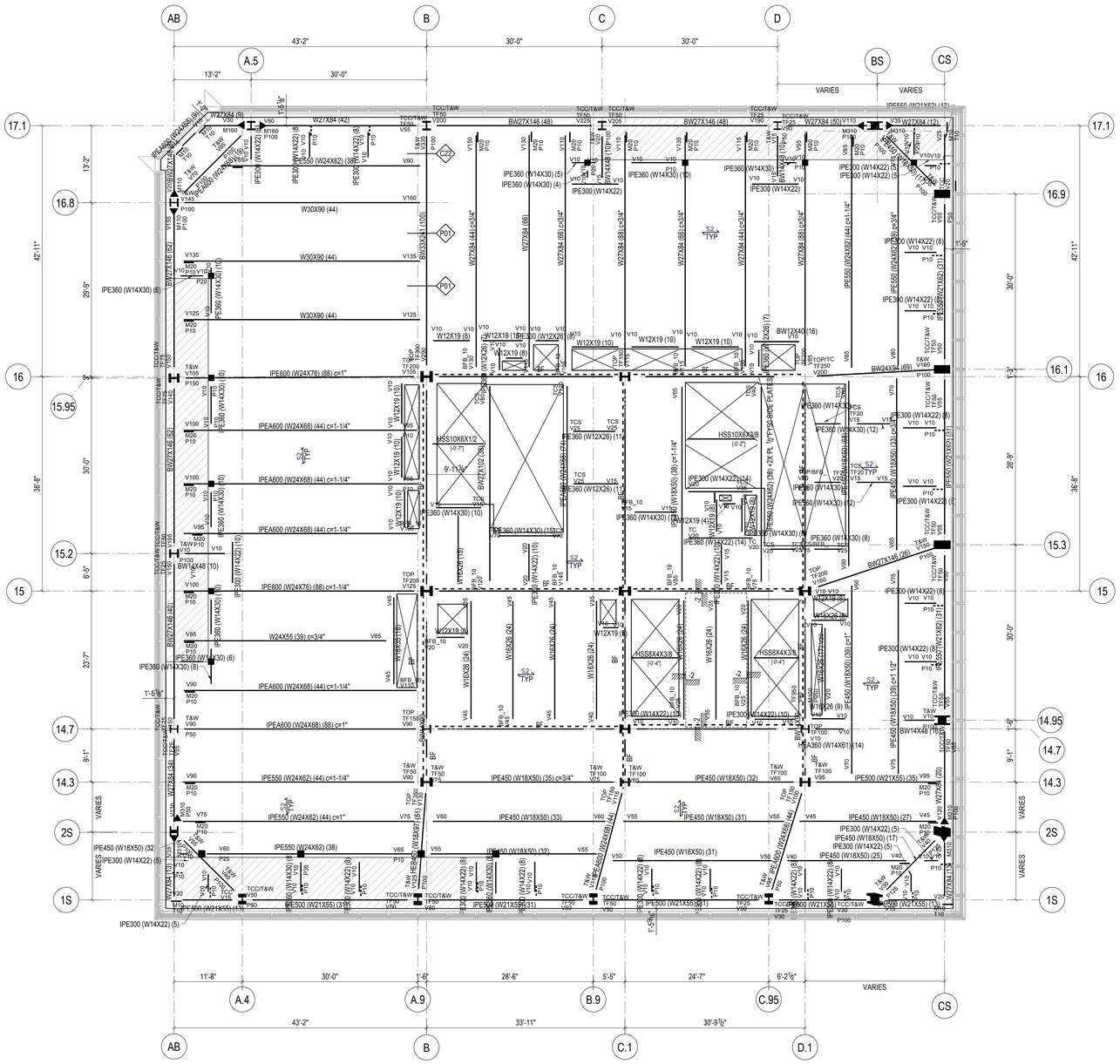

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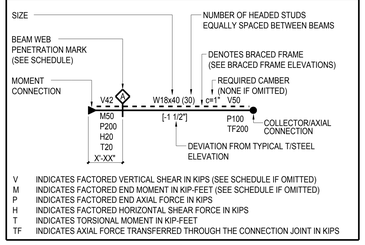

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 1079'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 1078'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-6503
Drawing Title

FLOOR FRAMING PLAN
65-SECTOR 03

Drawing Number
S1-6503
X-Scan Drawing Number
S-281.01

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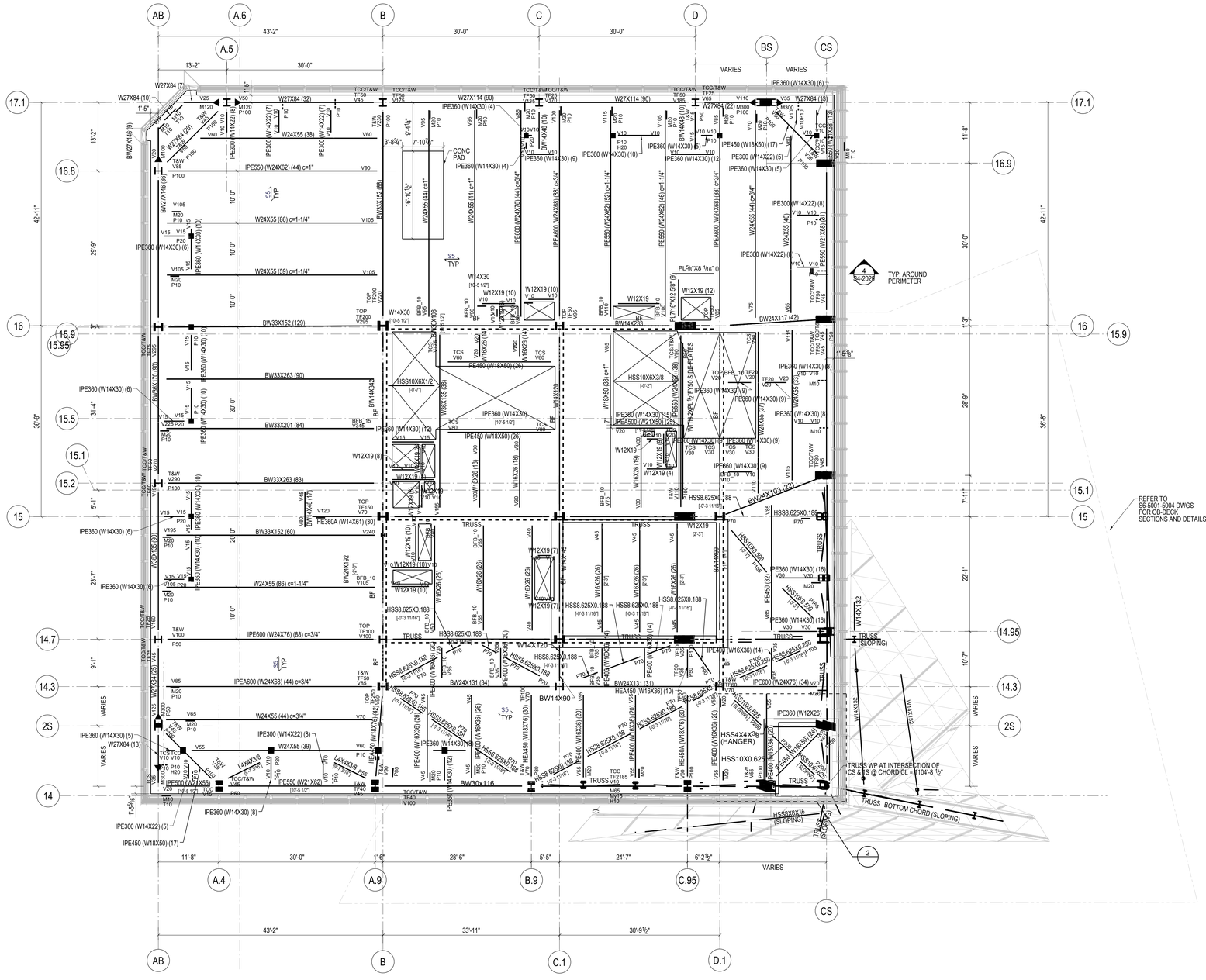
Control Job Number 231105231
Job Number
Sheet Code


AB
A.6
B
C
D
A.5
BS
CS
43'-2"
30'-0"
30'-0"
13'-2"
30'-0"
VARIES
VARIES
17.1
16.8
16.9
16
15.95
15.9
15.5
15.1
15.2
15
14.7
14.3
2S
14
W27X84 (7)
W27X84 (10)
W27X84 (32)
W27X114 (90)
W27X114 (90)
W27X84 (22)
W27X84 (13)
IPE360 (W14X30) (6)
IPE360 (W14X30) (4)
W27X148 (9)
W27X148 (26)
W24X55 (38)
IPE360 (W14X30) (9)
IPE360 (W14X30) (10)
IPE450 (W18X50) (17)
IPE360 (W14X30) (5)
IPE300 (W14X22) (5)
IPE550 (W24X62) (44) c=1"
IPE360 (W14X30) (4)
IPE360 (W14X30) (6)
W24X55 (86) c=1-1/4"
W24X55 (59) c=1-1/4"
W24X55 (44) c=1-1/4"
W24X55 (40) c=1-1/4"
IPE600 (W24X76) (88) c=3/4"
IPE550 (W24X62) (82) c=1-1/4"
IPE450 (W24X68) (81) c=3/4"
IPE300 (W14X22) (8)
IPE300 (W14X22) (6)
IPE360 (W14X30) (10)
W33X152 (129)
W33X263 (90)
W33X263 (83)
W33X201 (84)
W33X152 (60)
W30X135 (90)
W30X116
W24X192
W24X131 (34)
W24X131 (31)
W24X103 (22)
W14X90
W14X132
W14X120
HE360A (W14X61) (30)
HEA450 (W16X36) (10)
HEA450 (W16X76) (30)
IPE450 (W16X36) (14)
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IPE360 (W14X30) (16)
IPE360 (W14X30) (8)
IPE360 (W14X30) (9)
IPE360 (W14X30) (14)
IPE360 (W14X30) (112)
IPE360 (W12X26)
IPE600 (W24X76) (34)
IPE550 (W21X62)
IPE450 (W21X50)
IPE450 (W21X68)
IPE400 (W21X68)
IPE400 (W21X55)
IPE360 (W21X62)
IPE360 (W21X57)
IPE360 (W21X68)
HSS10X6X1/2
HSS10X6X3/8
HSS8.625X0.188
HSS8.625X0.250
HSS10X0.625
HSS10X0.500
HSS8.625X0.322
HSS6.625X0.188
HSS6.625X0.280
HSS4X4X3/8 (HANGER)
HSS4X4X1/4
L4X4X3/8
L4X4X5/8
PL7/16"X12 5/8" (9)
PL7/16"X12 5/8" (8)
WITH 2@PL 1/2"X150 SLIDE PLATES
W12X19
W12X19 (10)
W12X19 (12)
W12X19 (8)
W12X19 (4)
W12X19 (7)
W12X19 (2)
W14X30
W14X30 [10'-5 1/2"]
W12X19 (10) [10'-5 1/2"]
W16X26 (14)
W16X26 (18)
W16X26 (26)
W16X26 (28)
W18X50 (38) c=1"
W18X76 (30)
W16X36 (26)
W16X36 (28)
W16X36 (30)
W16X36 (34)
W16X36 (40)
W16X36 (50)
W16X36 (76)
W16X36 (112)
W16X36 (120)
W16X36 (135)
W16X36 (150)
W16X36 (170)
W16X36 (192)
W16X36 (230)
W16X36 (256)
W16X36 (300)
W16X36 (361)
W16X36 (400)
W16X36 (440)
W16X36 (480)
W16X36 (528)
W16X36 (600)
W16X36 (650)
W16X36 (710)
W16X36 (770)
W16X36 (800)
W16X36 (848)
W16X36 (900)
W16X36 (960)
W16X36 (1000)
W16X36 (1060)
W16X36 (1120)
W16X36 (1200)
W16X36 (1270)
W16X36 (1340)
W16X36 (1400)
W16X36 (1480)
W16X36 (1540)
W16X36 (1600)
W16X36 (1660)
W16X36 (1730)
W16X36 (1800)
W16X36 (1870)
W16X36 (1940)
W16X36 (2000)
W16X36 (2060)
W16X36 (2120)
W16X36 (2180)
W16X36 (2240)
W16X36 (2300)
W16X36 (2360)
W16X36 (2420)
W16X36 (2480)
W16X36 (2540)
W16X36 (2600)
W16X36 (2660)
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W16X36 (2780)
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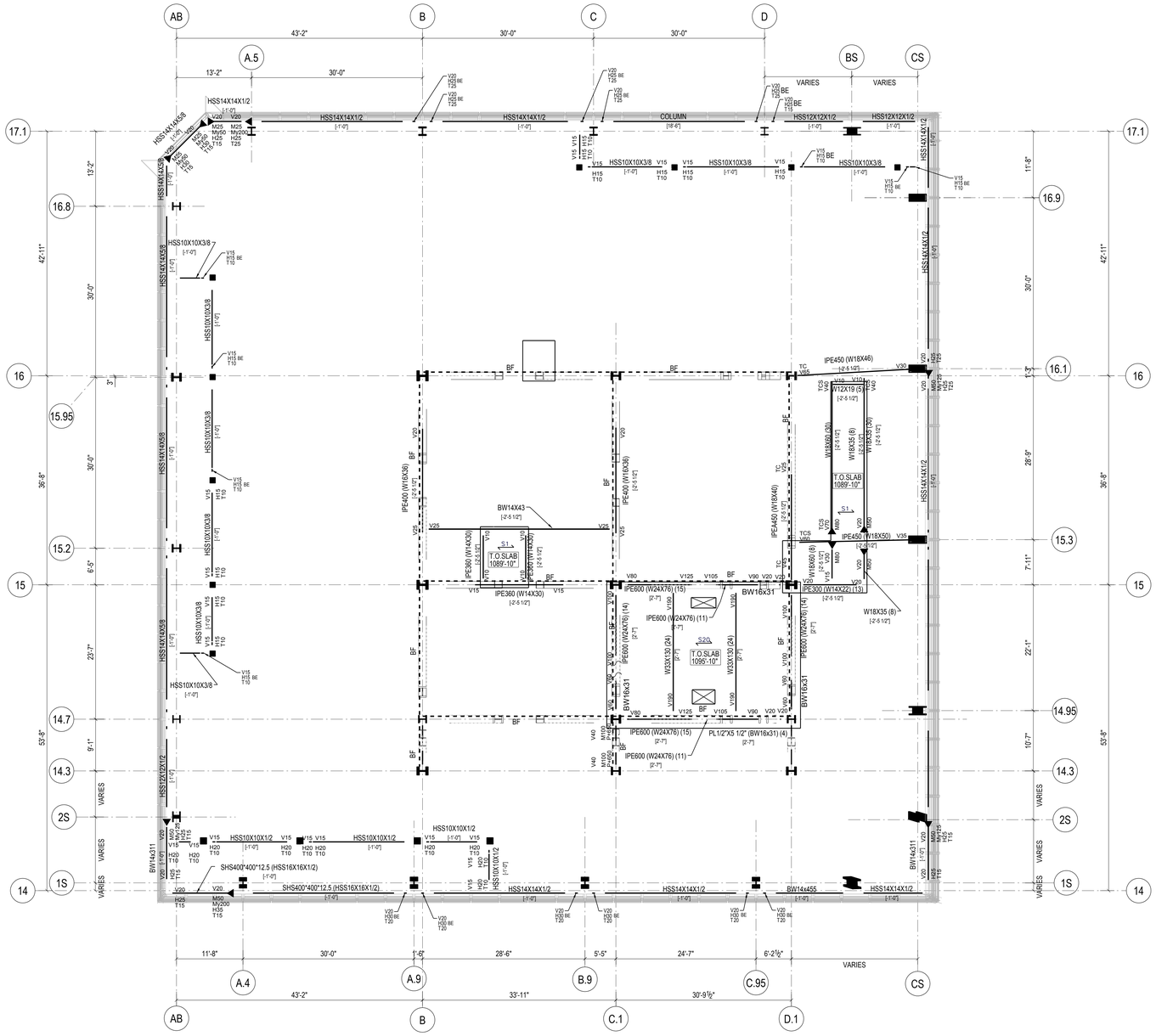
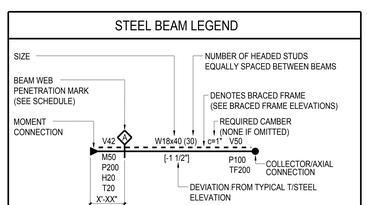
W16X36 (3080)
W16X36



STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 1092'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 1091'-10" UON
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TYPICAL SHEET NOTES
NOT TO SCALE

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TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

N

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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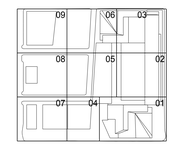
No.	Description	Date
1	D.O.B AMENDMENT #2	10/15/2016

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-6503U
Drawing Title

FLOOR FRAMING PLAN
65U-SECTOR 03

Drawing Number
S1-6503U
X-Scan Drawing Number
S-283.00

SHEET 143 OF 443

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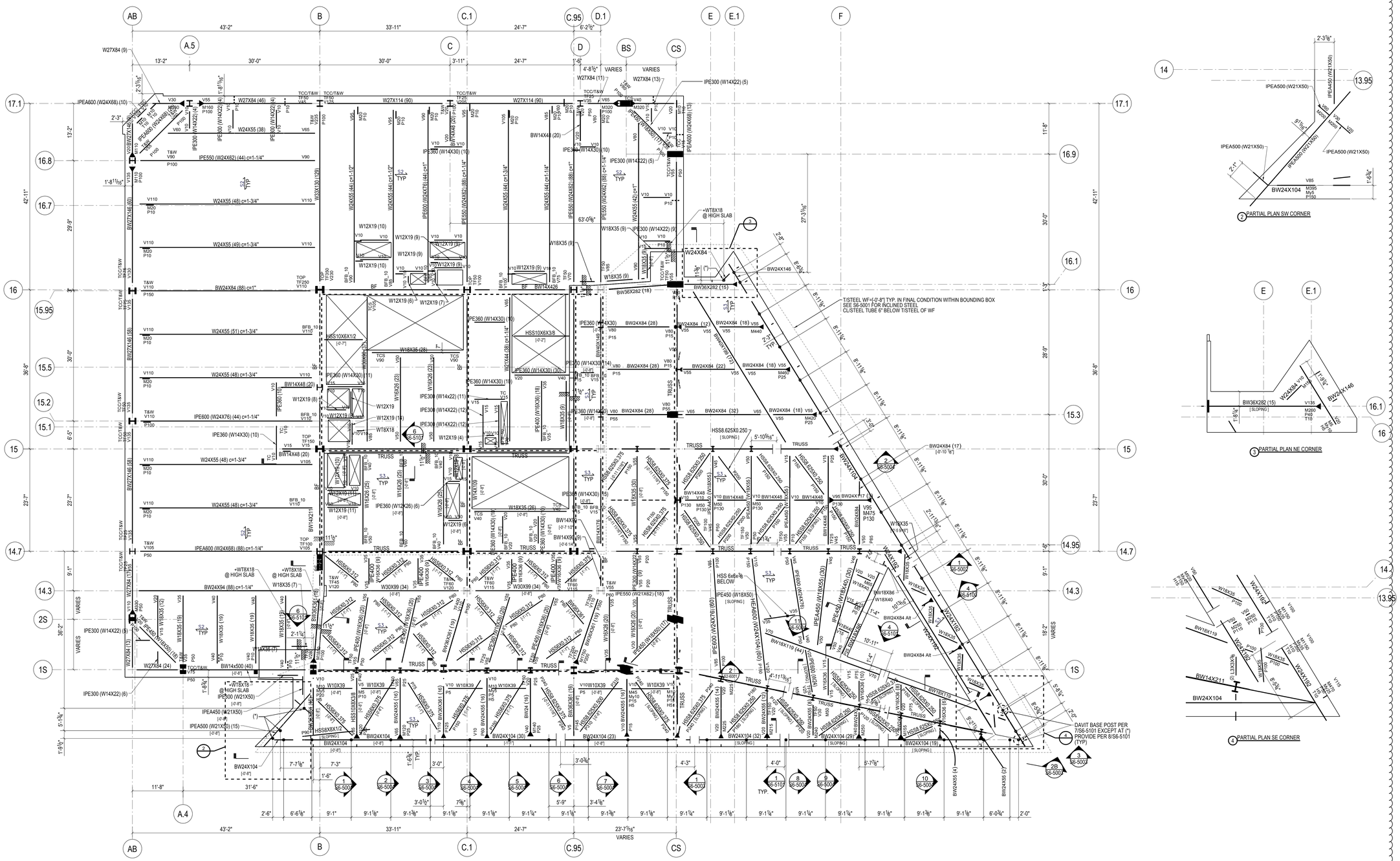
AB
B
C.1
C.95
D.1
E
E.1
F
A.5
C
D
BS
CS
A.4
43'-2"
33'-11"
24'-7"
6'-2½"
13'-2"
30'-0"
3'-11"
1'-6"
4'-8⅛"
VARIES
17.1
16.8
16.7
16
15.95
15.5
15.2
15.1
15
14.7
14.3
2S
1S
16.9
16.1
15.3
14.95
14.7
14.3
13.95
W27X84 (9)
W27X84 (46)
W27X114 (90)
W27X84 (11)
W27X84 (13)
IPE300 (W14X22) (5)
IPEA600 (W24X68) (10)
IPEA600 (W24X68) (15)
W24X55 (38)
IPE550 (W24X82) (44) c=1-1/4"
BW24X84 (88) c=1"
W24X55 (48) c=1-3/4"
W24X55 (49) c=1-3/4"
W24X55 (51) c=1-3/4"
IPE600 (W24X76) (44) c=1-1/4"
IPEA600 (W24X68) (88) c=1-1/4"
BW24X94 (88) c=1-1/4"
IPE300 (W14X22) (6)
IPEA450 (W21X50)
IPEA500 (W21X50) (15)
BW24X104
BW24X84
BW24X146
BW36X282 (18)
BW36X282 (15)
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W12X19 (9)
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W12X19 (4)
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W14X500 (2)
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W30X99 (34)
W30X99 (30)
W24X55 (44) c=1-1/2"
W24X55 (44) c=1-1/4"
W24X55 (44) c=1-3/4"
W24X55 (44) c=1-1/2"
W24X55 (44) c=1-1/4"
W24X55 (44) c=1-3/4"
W24X55 (42) c=1"
W24X55 (48) c=1-3/4"
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W12X230
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W12X79
W12X72
W12X65
W12X58
W12X53
W12X50
W12X45
W12X40
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HSS10X6X3/8
HSS8X8X1/2
HSS8X8X3/8
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HSS8.625X0.375
HSS8.625X0.500
HSS8.625X0.625
HSS8.625X0.750
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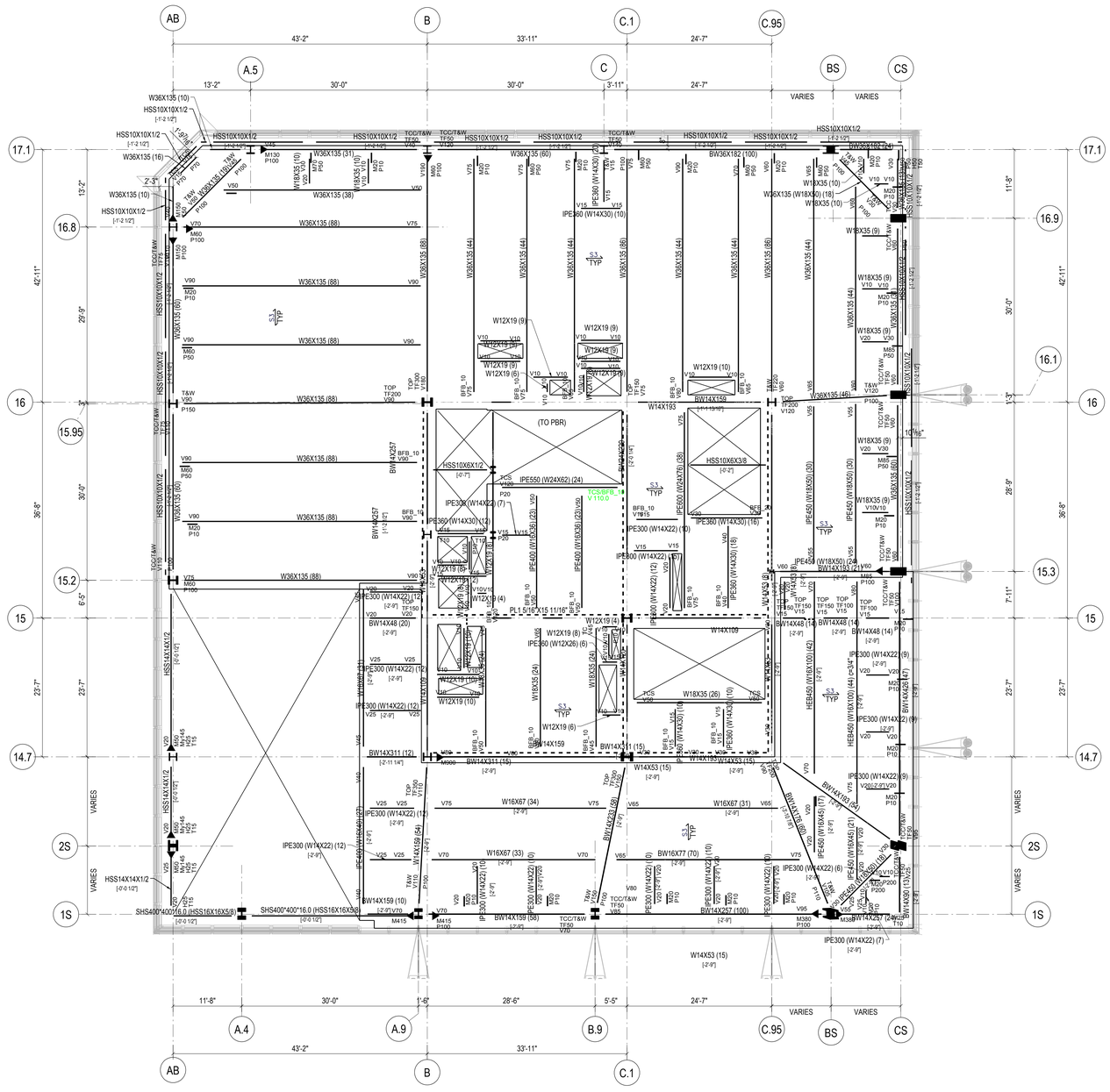
HSS6.625X0.375
HSS6.625X0.500
HSS6.625X0.625
HSS6.625X0.750
HSS6.625X0.875
HSS6.625X1.000
HSS6.625X1.250
HSS6.625X1.500
HSS6.625X1.750
HSS6.625X2.000
HSS5.563X0.258
HSS5.563X0.375
HSS5.563X0.500
HSS5.563X0.625
HSS5.563X0.750
HSS5.563X0.875
HSS5.563X1.000
HSS5.563X1.250
HSS5.563X1.500
HSS5.563X1.750
HSS5.563X2.000
HSS5.563X2.250
HSS5.563X2.500
HSS5.563X2.750
HSS5.563X3.000
HSS5.563X3.250
HSS5.563X3.500
HSS5.563X3.750
HSS5.563X4.000
HSS5.563X4.250
HSS5.563X4.500
HSS5.563X4.750
HSS5.563X5.000
HSS5.563X5.250
HSS5.563X5.500
HSS5.563X5.750
HSS5.563X6.000
HSS4.500X0.237
HSS4.500X0.337
HSS4.500X0.438
HSS4.500X0.531
HSS4.500X0.674
HSS4.500X0.800
HSS4.500X0.925
HSS4.500X1.063
HSS4.500X1.188
HSS4.500X1.313
HSS4.500X1.438
HSS4.500X1.563
HSS4.500X1.688
HSS4.500X1.813
HSS4.500X1.938
HSS4.500X2.063
HSS4.500X2.188
HSS4.500X2.313
HSS4.500X2.438
HSS4.500X2.563
HSS4.500X2.688
HSS4.500X2.813
HSS4.500X2.938
HSS4.500X3.063
HSS4.500X3.188
HSS4.500X3.313
HSS4.500X3.438
HSS4.500X3.563
HSS4.500X3.688
HSS4.500X3.813
HSS4.500X3.938
HSS4.500X4.063
HSS4.500X4.188
HSS4.500X4.313
HSS4.500X4.438
HSS4.500X4.563
HSS4.500X4.688
HSS4.500X4.813
HSS4.500X4.938
HSS4.500X5.063
HSS4.500X5.188
HSS4.500X5.313
HSS4.500X5.438
HSS4.500X5.563
HSS4.500X5.688
HSS4.500X5.813
HSS4.500X5.938


AB
B
C.1
C.95
A.5
C
BS
CS
43'-2"
33'-11"
24'-7"
13'-2"
30'-0"
3'-11"
VARIES
17.1
16.8
16.9
16.1
16
15.95
15.2
15.3
15
14.7
2S
1S
42'-11"
29'-9"
30'-0"
36'-8"
28'-9"
23'-7"
6'-5"
7'-11"
11'-8"
1'-6"
28'-6"
5'-5"
A.4
A.9
B.9
(TO PBR)
W36X135 (10)
HSS10X10X1/2
W36X135 (16)
W36X135 (38)
W36X135 (88)
W36X135 (60)
W36X135 (31)
W36X182 (100)
W36X182 (141)
W36X135 (18)
W18X35 (10)
W36X135 (44)
W36X135 (86)
W36X135 (46)
W12X19 (9)
W12X48 (9)
W12X19 (10)
W12X19 (4)
W14X193
BW14X257
BW14X159
BW14X311 (15)
BW14X311 (12)
BW14X257 (100)
BW14X193 (82)
BW14X109 (60)
BW14X283 (58)
BW14X159 (58)
BW14X159 (10)
BW14X257 (24)
BW14X283 (17)
W14X53 (8)
W14X53 (15)
W14X109
W14X48 (14)
W14X48 (20)
W16X67 (34)
W16X67 (31)
W16X67 (33)
W16X77 (70)
W18X35 (9)
W18X35 (24)
W18X35 (26)
IPE550 (W24X62) (24)
IPE300 (W14X22) (7)
IPE360 (W14X30) (10)
IPE360 (W14X30) (16)
IPE300 (W14X22) (10)
IPE300 (W14X22) (12)
IPE300 (W14X22) (9)
IPE300 (W14X22) (6)
IPE360 (W12X26) (6)
IPE450 (W18X50) (24)
IPE450 (W18X50) (30)
IPE450 (W18X50) (20)
IPE450 (W18X60) (23)
IPE450 (W18X60) (21)
HEB450 (W16X100) (42)
HEB450 (W16X100) (44) c>3/4"
HSS10X6X1/2
HSS10X6X3/8
HSS14X14X1/2
HSS14X14X1/2
SHS400*400*16.0 (HSS16X16X5/8)
PL 1 5/16" X15 11/16"
TCC/T&W TF50 V85
TOP TF200 V120
TOP TF150 V15
TOP TF100 V15
T&W P150
T&W V120
BFB_10 V75
BFB_10 V90
BFB_10 V85
BFB_10 V45
BFB_10 V15
BFB_10 V20
BFB_10 V65
BFB_10 V95
TCS/BFB_14 V 110.0
S3 TYP
S2 TYP
S1 TYP
M130 P100
M60 P100
M50 P100
M20 P10
M85 P50
M60 P50
M20 P20
M20 P200
M415 P100
M380 P100
M1000
M20 P45
M20 T10
M20 T15
M20 T16
M20 P30
M20 P40
M20 P50
M20 P60
M20 P70
M20 P80
M20 P90
M20 P100
M20 P110
M20 P120
M20 P130
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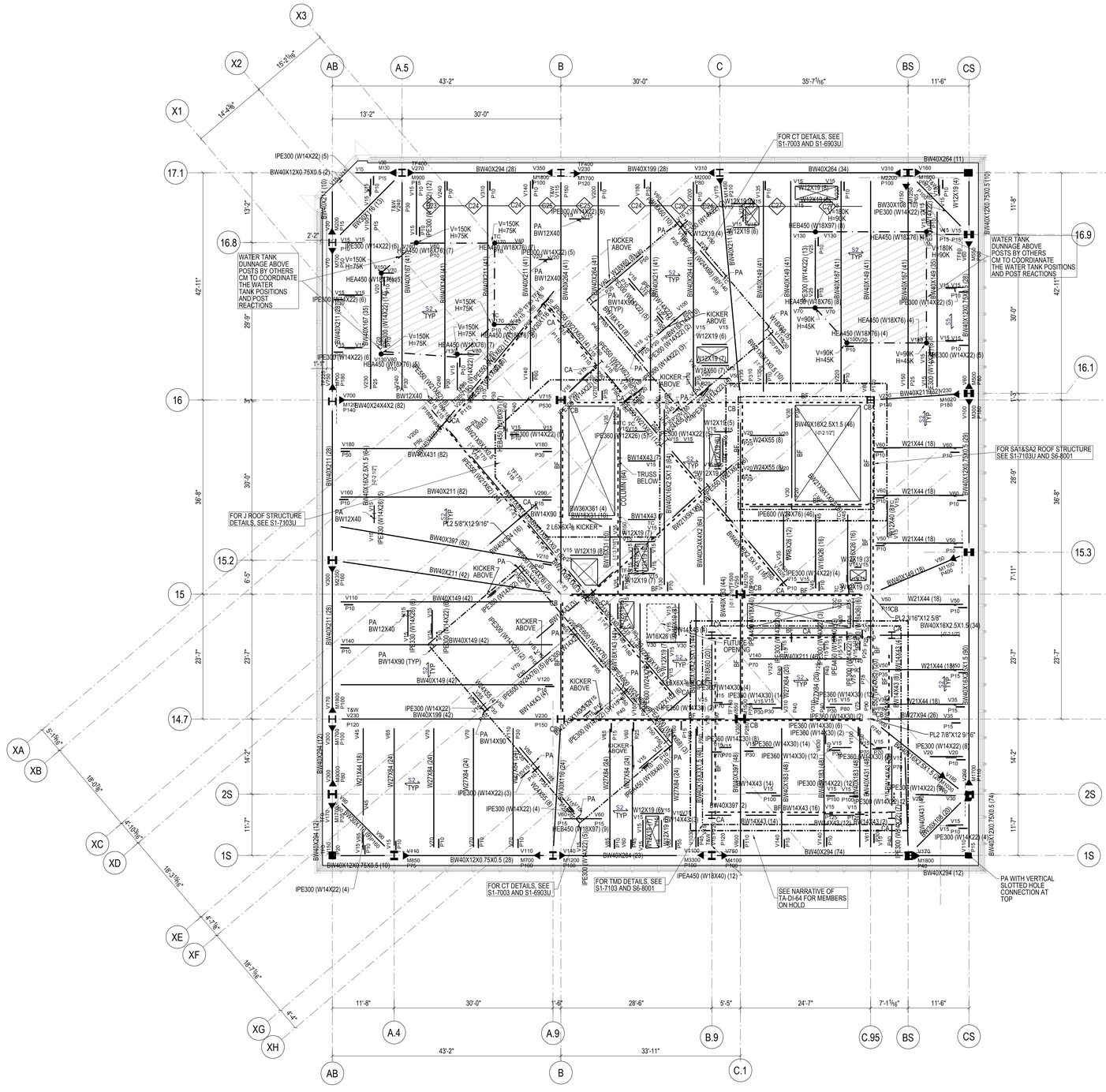
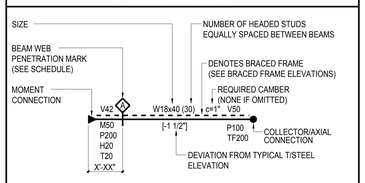
M20 P160
M20 P170
M20 P180
M20 P190
M20 P200
M20 P210
M20 P220
M20



STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 117'-0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 117'-1" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

0' 4' 8' 16'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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Thornton Tomasetti, Inc.
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New York, New York 10010
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Mechanical, Electrical, Plumbing, Fire Protection
Jaros Baum & Bolles Consulting Engineers
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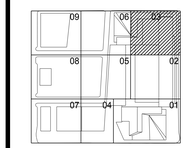
New York, NY 10013
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings.com
APPROVED
Under Directive 2 of 1975
APPROVED FOR CONSTRUCTION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S1-6903
Drawing Title

FLOOR FRAMING PLAN 69 (ROOF)

Drawing Number
S1-6903
X-Ref Drawing Number
S-286.01

SHEET 149 OF 443

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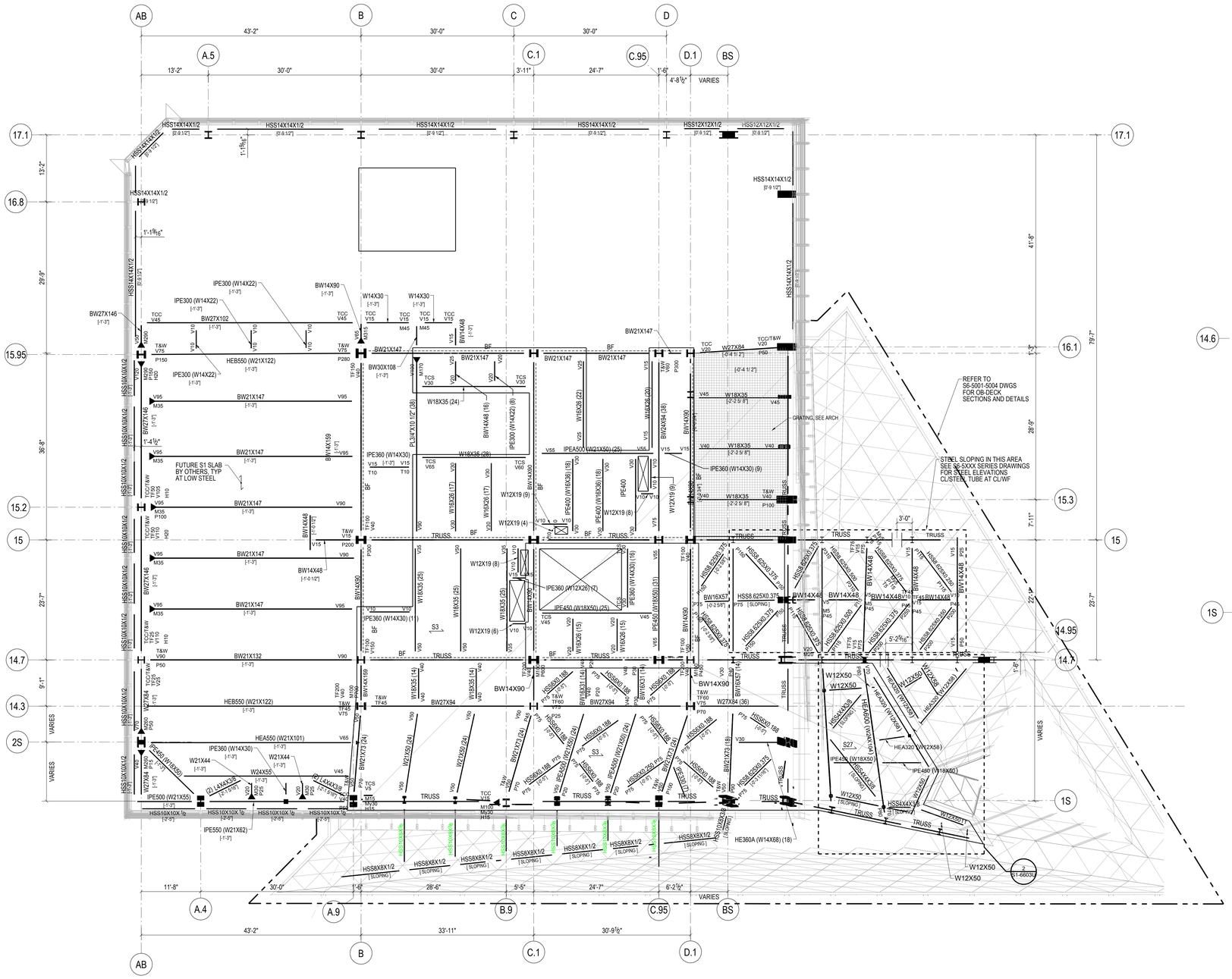
CAT.EXP. #:CAT20121800253 Job Number
E1604083000 Sheet Code


AB
B
C
D
A.5
C.1
C.95
D.1
BS
43'-2"
30'-0"
30'-0"
13'-2"
30'-0"
30'-0"
3'-11"
24'-7"
1'-6"
4'-8½"
VARIES
17.1
16.8
15.95
15.2
15
14.7
14.3
2S
1S
14.95
16.1
15.3
14.6
HSS14X14X1/2
HSS12X12X1/2
HSS12X12X1/2
HSS10X10X1/2
HSS10X10X½
W12X19 (9)
W12X19 (8)
W12X19 (4)
W12X19 (6)
W18X35 (24)
W18X35 (28)
W18X35 (14)
W18X35 (17)
W18X35 (25)
W18X35 (16)
W18X35 (22)
W18X35 (18)
W18X35
W14X48 (16)
W14X48 (8)
W14X48
W14X90
W14X30
W14X39
W14X99
W14X109
W14X61
W14X82
W14X74
W14X68
W14X53
W14X43
W14X22
W12X50
W12X58
W12X65
W12X87
W12X96
W12X106
W12X120
W12X136
W12X152
W12X170
W12X190
W12X210
W12X230
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W12X40
W12X45
W12X53
W12X72
W12X79
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W12X30
W12X35
W12X14
W12X16
W12X22
W12X19
W10X12
W10X15
W10X17
W10X22
W10X26
W10X30
W10X33
W10X39
W10X45
W10X49
W10X54
W10X60
W10X68
W10X77
W10X88
W10X100
W10X112
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W8X13
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W8X24
W8X28
W8X31
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W8X40
W8X48
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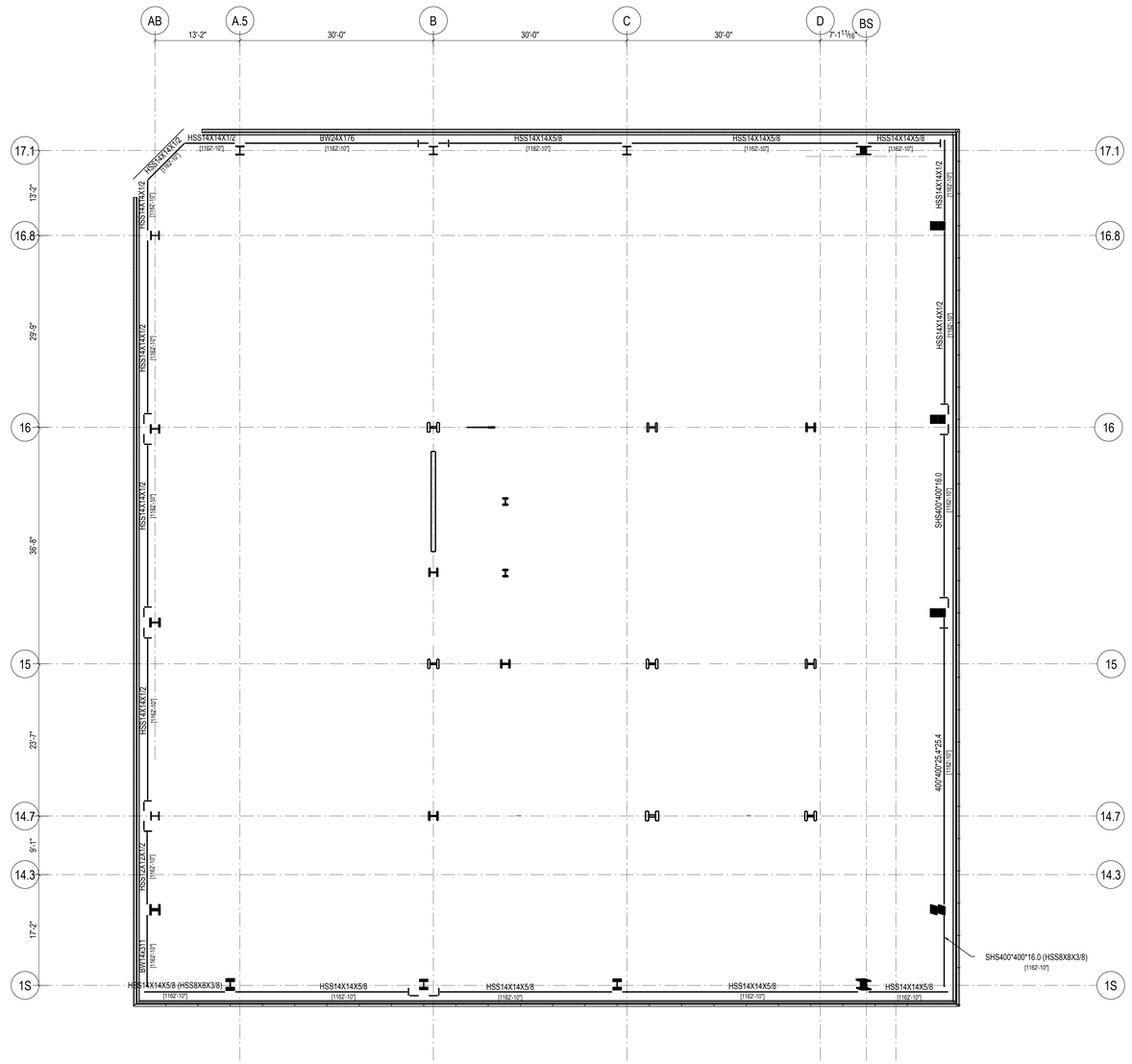
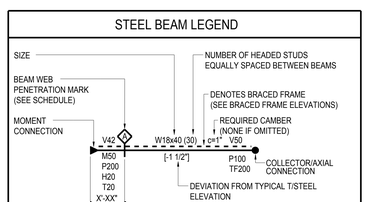


STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 0" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 0" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

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TYPICAL SHEET NOTES
NOT TO SCALE

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   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
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6. NOTATIONS:

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MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Job Number

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
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60 Columbus Circle
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TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
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Retail Interior Design & Planning
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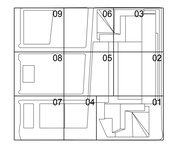
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
1	D.O.B AMENDMENT #2	10/15/2016

Key Plan



Issue Date 10/15/2016
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
DOB Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Drawing Title
FLOOR FRAMING PLAN 68U

Drawing Number
S1-6803U
B-Scan Drawing Number
S-288.00

SHEET 148 OF 443

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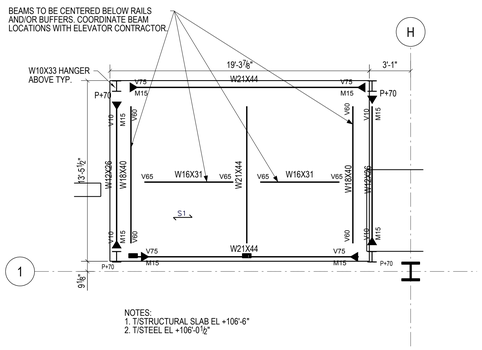
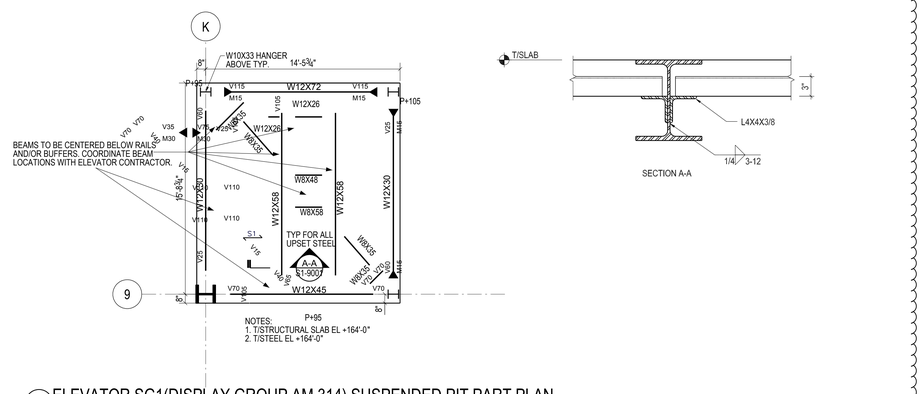
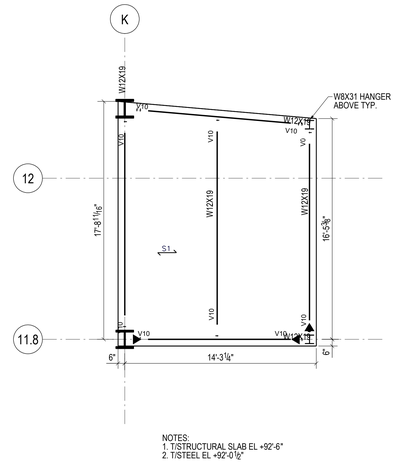


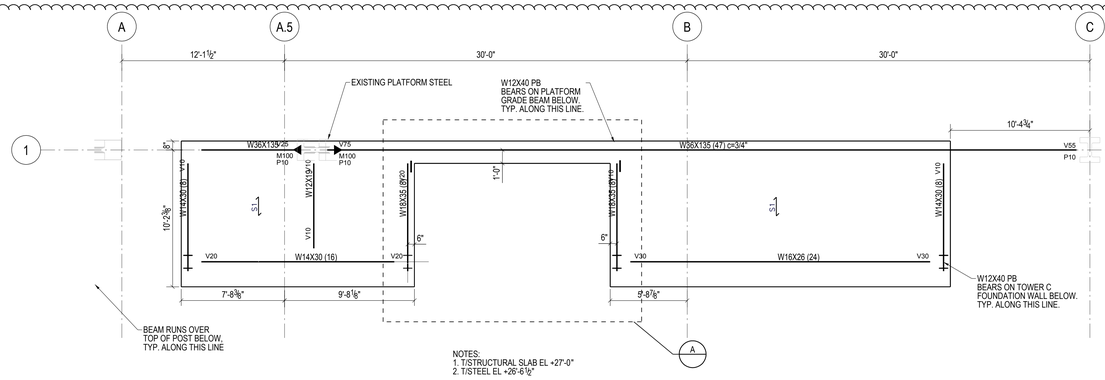
1 ELEVATOR SF1 AND SF2(DISPLAY GROUP AL 311-312) SUSPENDED PIT PLAN
1:48



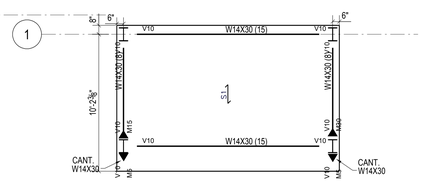
2 ELEVATOR SG1(DISPLAY GROUP AM 314) SUSPENDED PIT PART PLAN
1:48



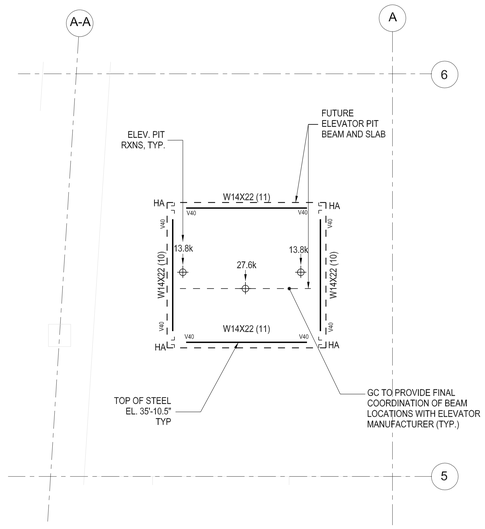
3 ESCALATOR EP1 & EP2 SUSPENDED PIT PART PLAN
1:48



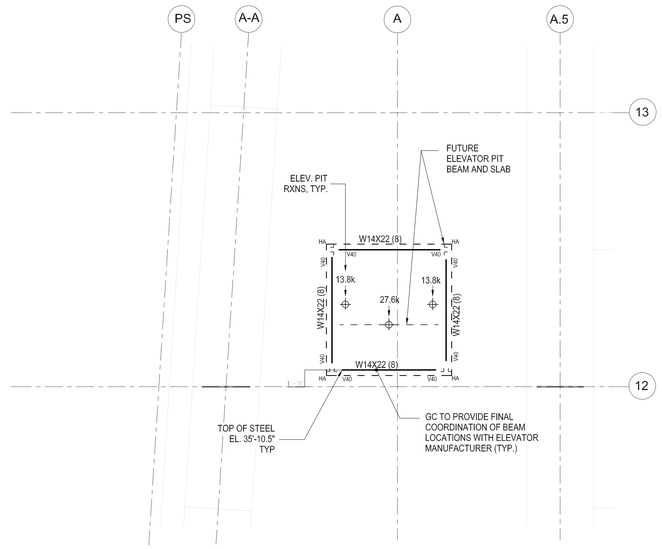
4 ESCALATOR EF1 & EF2 LANDING & PIT PART PLAN
1:48



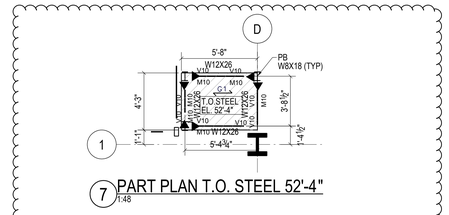
A ESCALATOR EF1 & EF2 PIT PART PLAN
1:48



5 SUSPENDED PIT PART PLAN
SCALE: 1" = 1'-0"



6 SUSPENDED PIT PART PLAN
SCALE: 1" = 1'-0"



7 PART PLAN T.O. STEEL 52'-4"
1:48

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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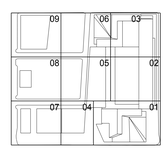
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
DOB Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2017
NYC Development Hub

HYE-TA-S1-9001
Drawing Title

PODIUM ELEVATOR AND ESCALATOR PIT PART PLANS

Drawing Number
S1-9001
B-Scan Drawing Number
S-290.01

SHEET 157 OF 443

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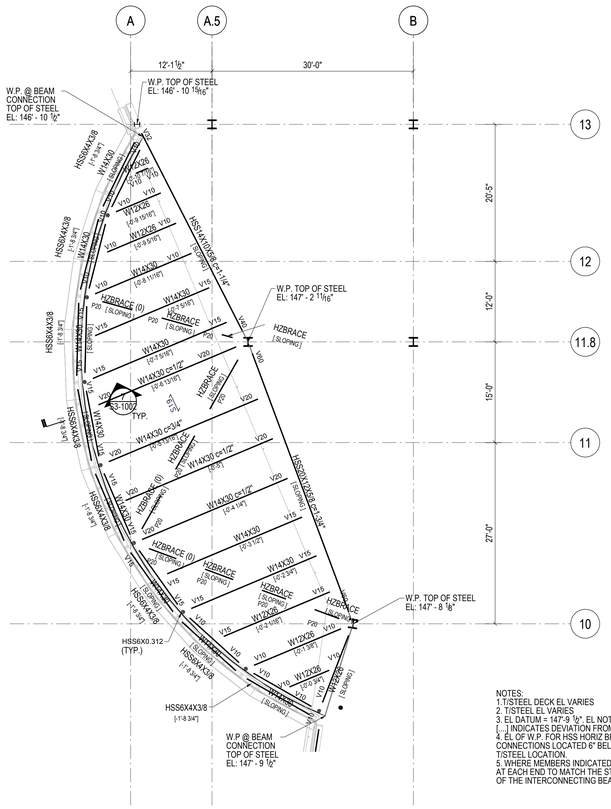
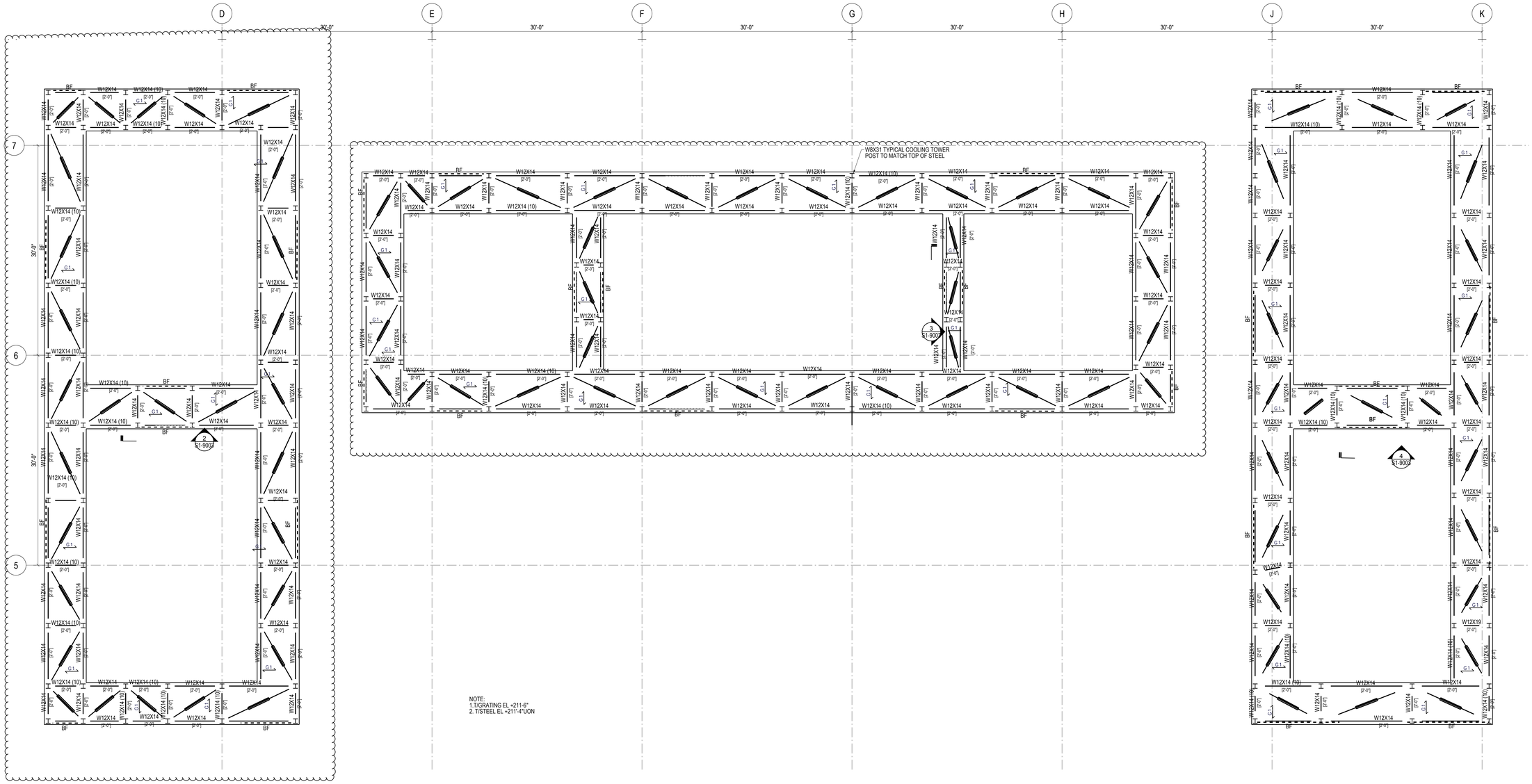
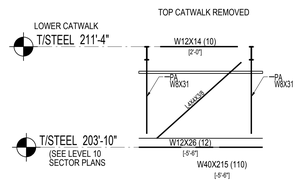

A
A.5
B
12'-1½"
30'-0"
W.P. TOP OF STEEL
EL: 146' - 10 15/16"
W.P. @ BEAM
CONNECTION
TOP OF STEEL
EL: 146' - 10 ½"
W.P. TOP OF STEEL
EL: 147' - 2 11/16"
W.P. TOP OF STEEL
EL: 147' - 8 1/8"
W.P. @ BEAM
CONNECTION
TOP OF STEEL
EL: 147' - 9 ½"
13
12
11.8
11
10
20'-5"
12'-0"
15'-0"
27'-0"
HSS6X4X3/8
[-1'-8 3/4"]
HSS6X4X5/16
[-1'-8 3/4"]
HSS6X4X3/8
[-1'-8 3/4"]
W14X30
[-0'-8 15/16"]
W14X30
[-0'-6 11/16"]
W14X30
[-0'-5 5/16"]
W14X30
[-0'-4 1/16"]
W14X30
[-0'-3 1/2"]
W14X30
[-0'-2 15/16"]
W14X30
[-0'-2 3/8"]
W14X30
[-0'-1 13/16"]
W14X30
[-0'-1 3/16"]
W14X30
[-0'-0 5/8"]
W12X26
[-0'-2 1/16"]
W12X26
[-0'-1 3/8"]
W12X26
[-0'-0 3/4"]
W12X26
[-0'-0 1/8"]
HSS14X10X5/8 c=1'-1 1/4"
HSS10X12X5/8 c=1'-3 3/4"
HSS10X12X5/8 c=0'-3 3/4"
HSS6X4X3/8
[-1'-8 3/4"]
HSS6X4X3/8
[-1'-8 3/4"]
HSS6X4X3/8
[-1'-8 3/4"]

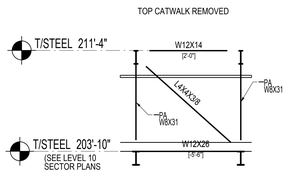
CERTIFICATE OF OCCUPANCY 2015/05/21 Job Number
E-2017-2496/R0 Application Number



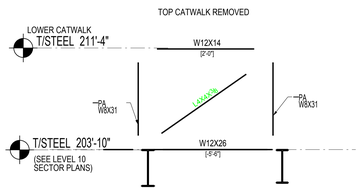
1 LOWER COOLING TOWER CATWALK FRAMING
NOT TO SCALE



2 TYP COOLING TOWER BRACE ELEVATION
1/4"=1'-0"



3 TYP COOLING TOWER BRACE ELEVATION
1/4"=1'-0"



4 TYP COOLING TOWER BRACE ELEVATION
1/4"=1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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No.	Description	Date
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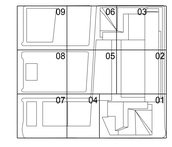
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-9003
Drawing Title

PODIUM COOLING TOWER CATWALK PART PLANS 2

Drawing Number
S1-9003
B-Scan Drawing Number
S-292.01

SHEET 159 OF 443

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

N

0 4' 8' 16'

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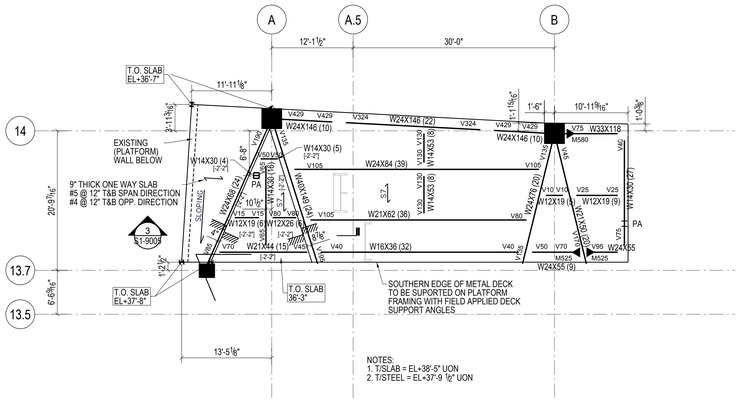
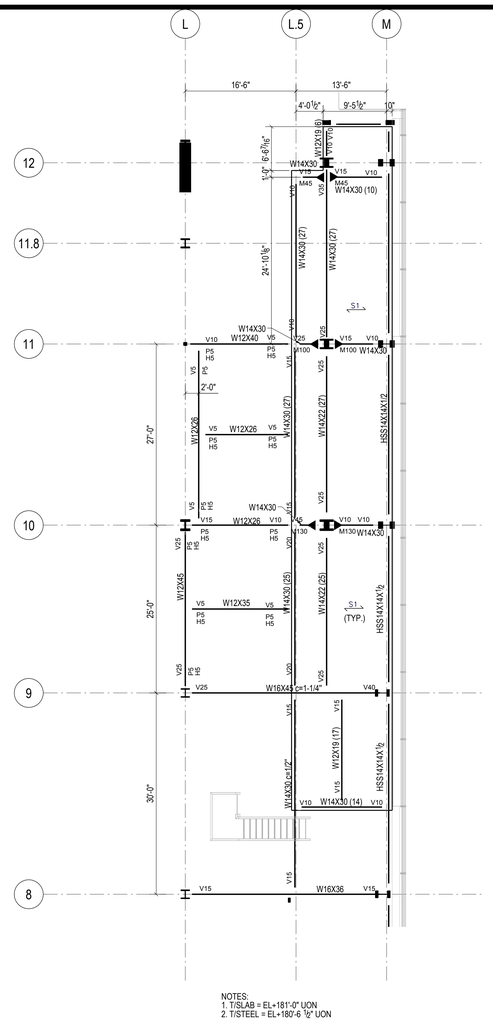


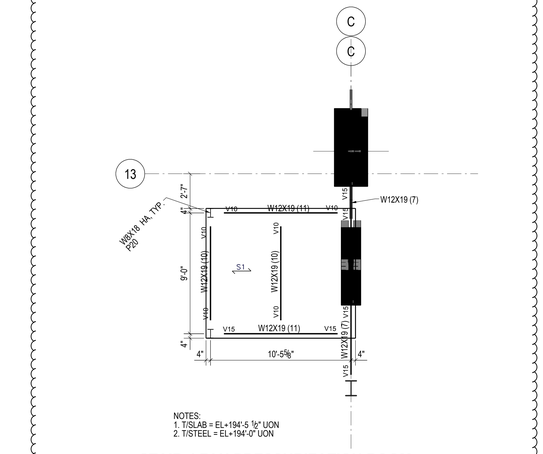
NOTES:
1. T/SLAB = EL+38'-5" UON
2. T/STEEL = EL+37'-9 ½" UON

1 PODIUM PLAZA LEVEL PART PLAN
SCALE: 1⁄8" = 1'-0"



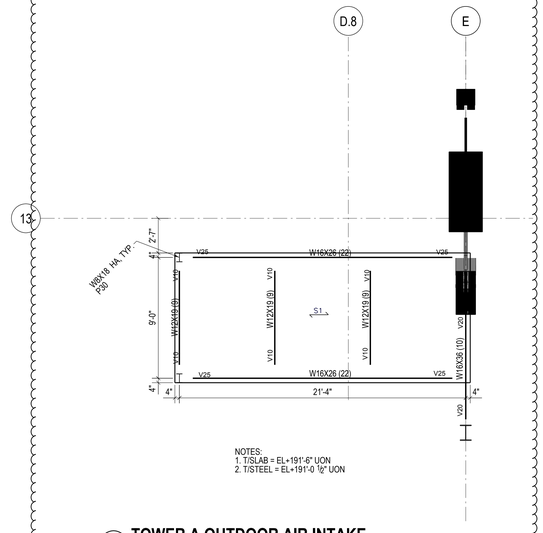
NOTES:
1. T/SLAB = EL+181'-0" UON
2. T/STEEL = EL+180'-6 ½" UON

2 EAST AIR INTAKE PLENUM PART PLAN
NOT TO SCALE



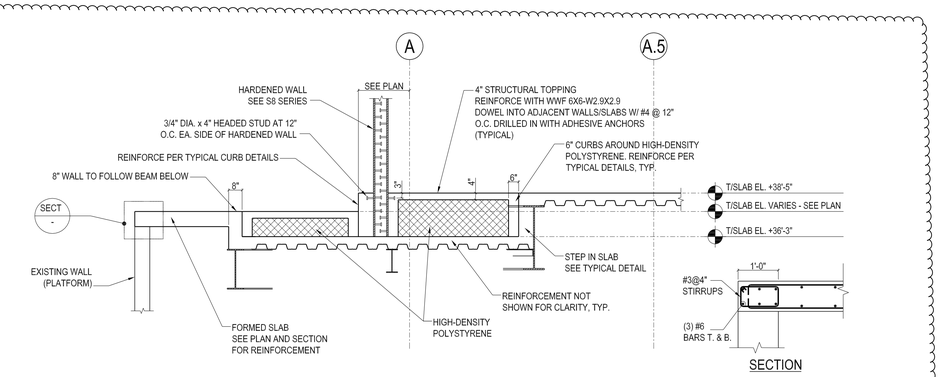
NOTES:
1. T/SLAB = EL+194'-5 ½" UON
2. T/STEEL = EL+194'-0" UON

4 STAIR J FAN PRESSURIZATION ROOM

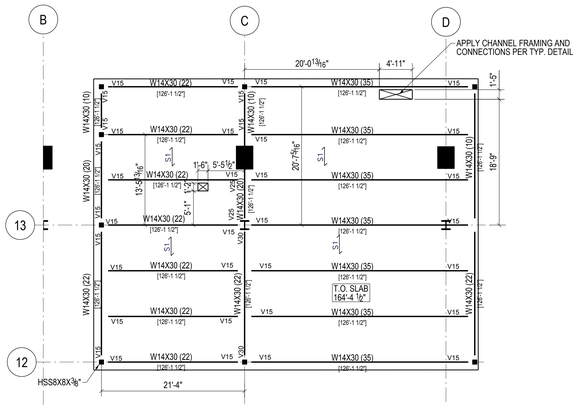


NOTES:
1. T/SLAB = EL+191'-6" UON
2. T/STEEL = EL+191'-0 ½" UON

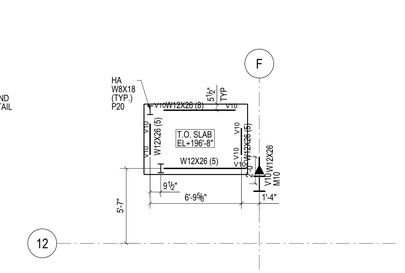
5 TOWER A OUTDOOR AIR INTAKE



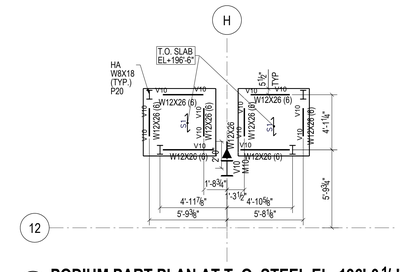
3 SECTION THROUGH PLAZA LEVEL AT WEST BETWEEN GRIDS 13.5 AND 14
SCALE : 3/4" = 1'-0"



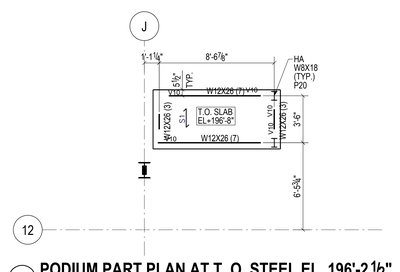
6 LEVEL 7 SWITCHGEAR ROOM LID



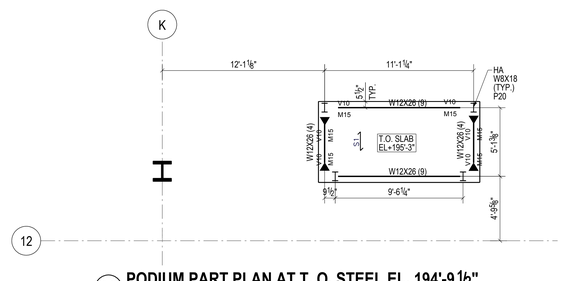
7 PODIUM PART PLAN AT T. O. STEEL EL. 196'-2 ½"



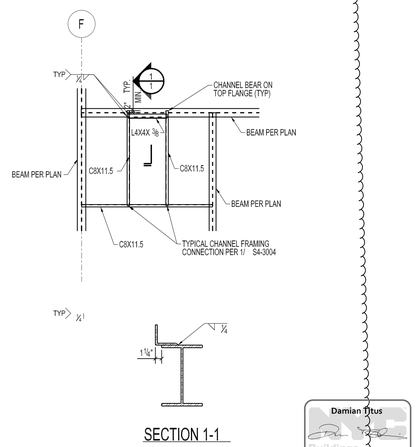
8 PODIUM PART PLAN AT T. O. STEEL EL. 196'-0 ½"



9 PODIUM PART PLAN AT T. O. STEEL EL. 196'-2 ½"



10 PODIUM PART PLAN AT T. O. STEEL EL. 194'-9 ½"



11 WELLS FARGO FUEL OIL RISER SUPPORT

Damian Titus
Buildings
APPROVED
Under Directive 3 of 1975
AMENDED APPLICATION
Date: 05/05/2015
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S1-9005
Drawing Title

PODIUM PART PLANS

Drawing Number
S1-9005
K-Scan Drawing Number
S-294.01

SHEET 160 OF 443

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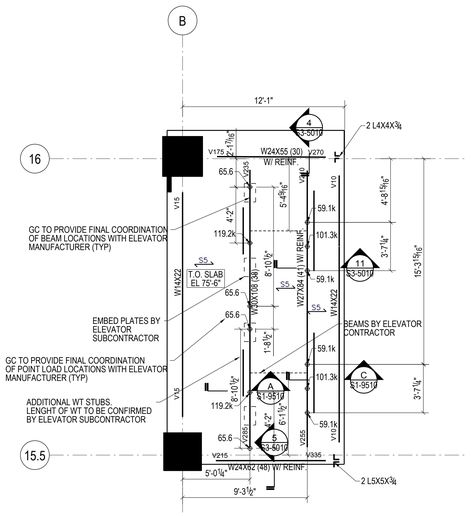
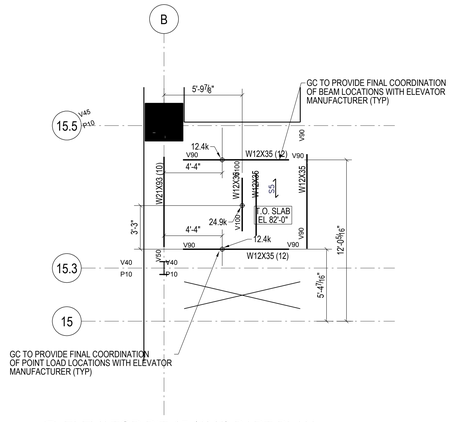
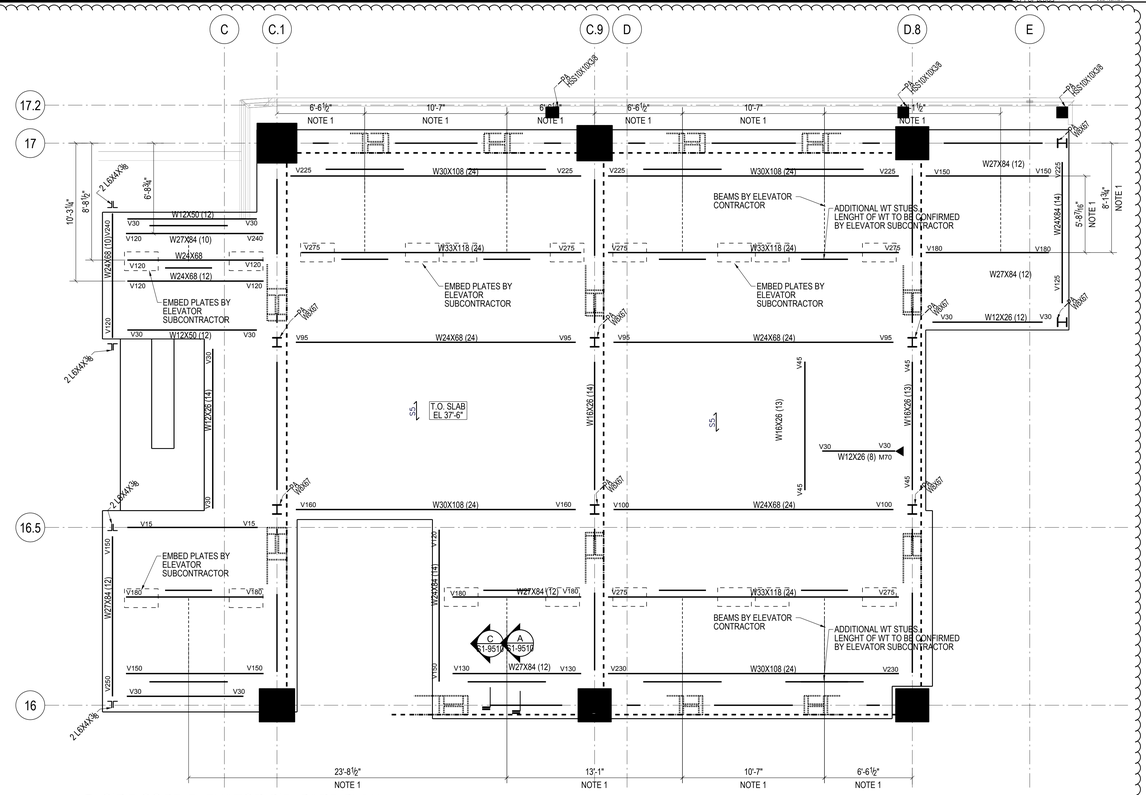


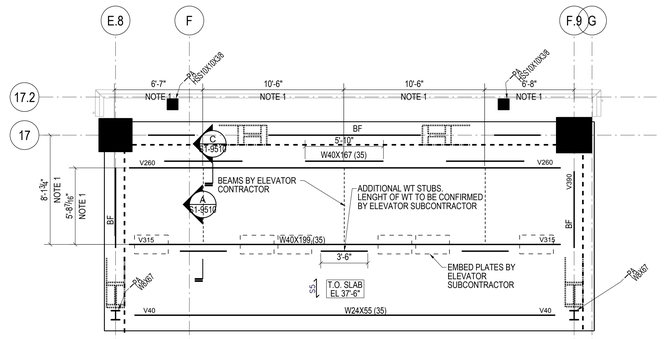
1 ELEVATOR PIT J1 - J2 PART PLAN
1:48

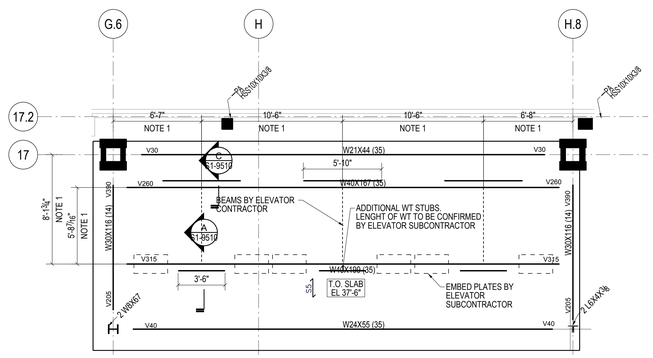


2 ELEVATOR PIT 15 (AY1) PART PLAN
1:48



3 SIDE CORE ELEVATOR PIT PART PLAN
1:48





4 SIDE CORE ELEVATOR PIT PART PLAN
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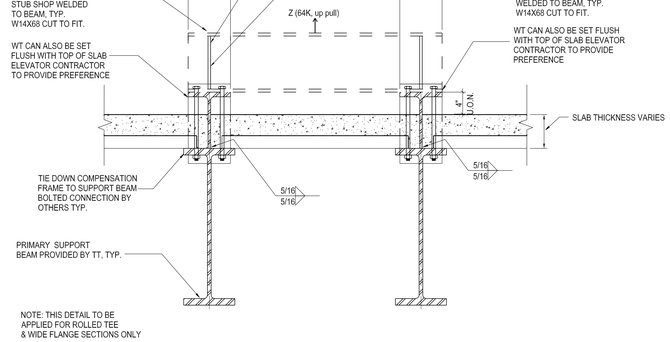
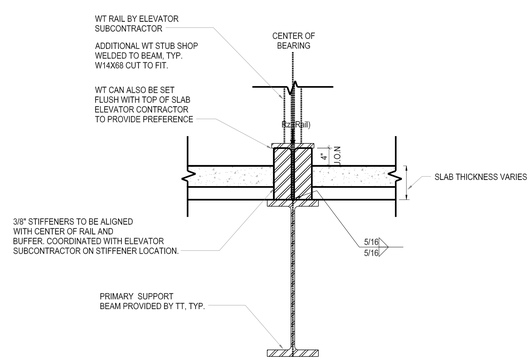


A TYPICAL SECTION CUT A-A AT UPLIFT SUPPORT BEAM
SCALE :- 1" = 1'-0"



C TYPICAL SECTION CUT C-C AT RAIL SUPPORT AND BUFFER SUPPORT
SCALE :- 1" = 1'-0"

NOTE:
1. DIMENSIONS TO BE COORDINATED WITH SUBCONTRACTOR

Damian Titus
Building
APPROVED
Under Directive 2 of 1975
APPLICATION ACCEPTED
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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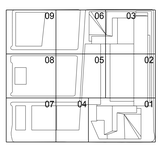
Key Plan



Issue Date	12/10/2014
Project No.	N11328.00
Drawn By	
Sheet Number	

HYE-TA-S1-9510

Drawing Title

TOWER ELEVATOR PIT PART PLANS

Drawing Number
S1-9510
Prior Drawing Number
S-296.01

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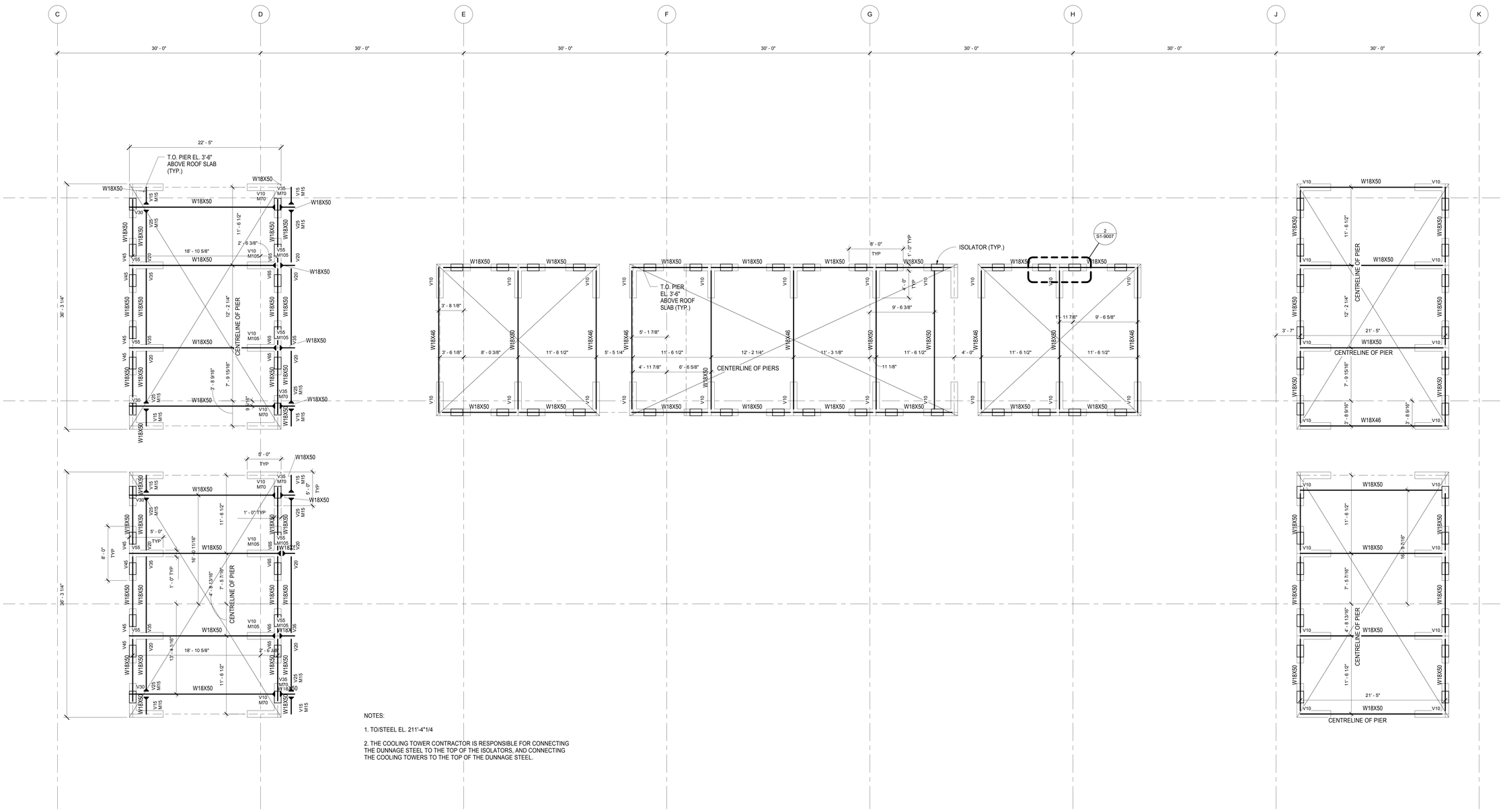


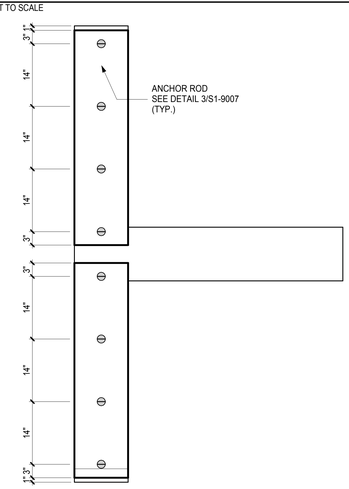
NOTES:

1. TO/STEEL EL. 211'-4"1/4

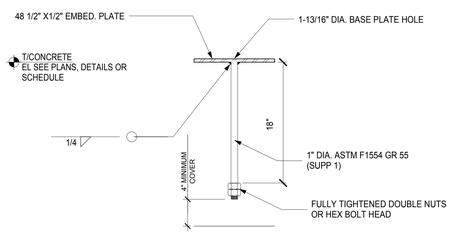
2. THE COOLING TOWER CONTRACTOR IS RESPONSIBLE FOR CONNECTING THE DUNNAGE STEEL TO THE TOP OF THE ISOLATORS, AND CONNECTING THE COOLING TOWERS TO THE TOP OF THE DUNNAGE STEEL.

1 DUNNAGE FOR THE RETAIL COOLING TOWERS

NOT TO SCALE



2 COOLING TOWER PIER BASEPLATE DETAIL
SCALE: 1" = 1'-0"



3 ANCHOR ROD DETAIL
SCALE: 1 1/2" = 1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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TEL: 212.977.6500 FAX: 212.956.2526

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Jaros Baum & Bolles Consulting Engineers
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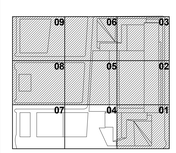
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No.: N11328.00
Drawn By: Author
Sheet Number

HYE -TA -S1-9007

Drawing Title

DUNNAGE FOR THE RETAIL COOLING TOWERS

Drawing Number
S1-9007
B-Scan Drawing Number
S-297.00

SHEET 161 OF 443

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AS NOTED FOR FILING
Date 09/13/2017
NYC Development Hub

0 4' 8' 16'

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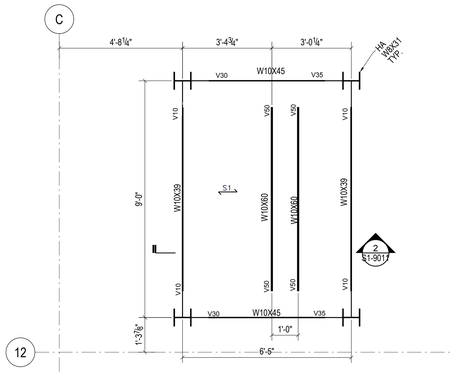
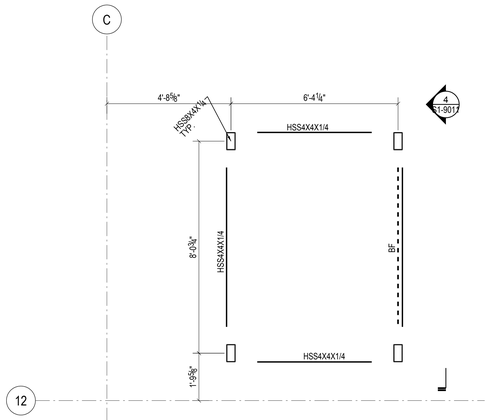
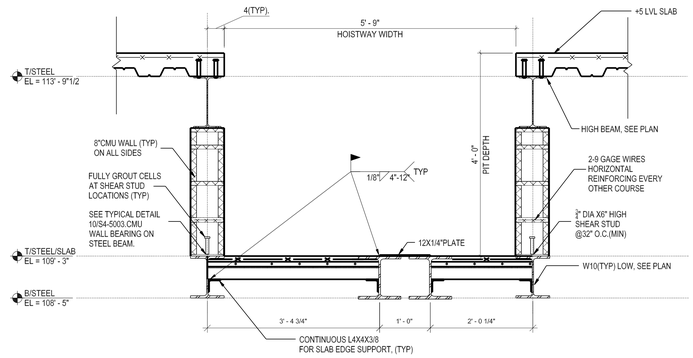
S1-9007
10/12/2016 2:51:20 PM
DUNNAGE FOR THE RETAIL COOLING TOWERS
P:\NY\Projects\N11328.00\Drawings\Structural\Reconfissued\2016-10-16 - D.O.B. Amendment No.2\Revit - Rev. Removed\HYTA PD_SLABS_COORDINATION.rvt



1 ELEVATOR PIT PART PLAN
NOT TO SCALE



2 ELEVATOR INTERMEDIATE STEEL PART PLAN
NOT TO SCALE



3 ELEVATOR PIT SECTION
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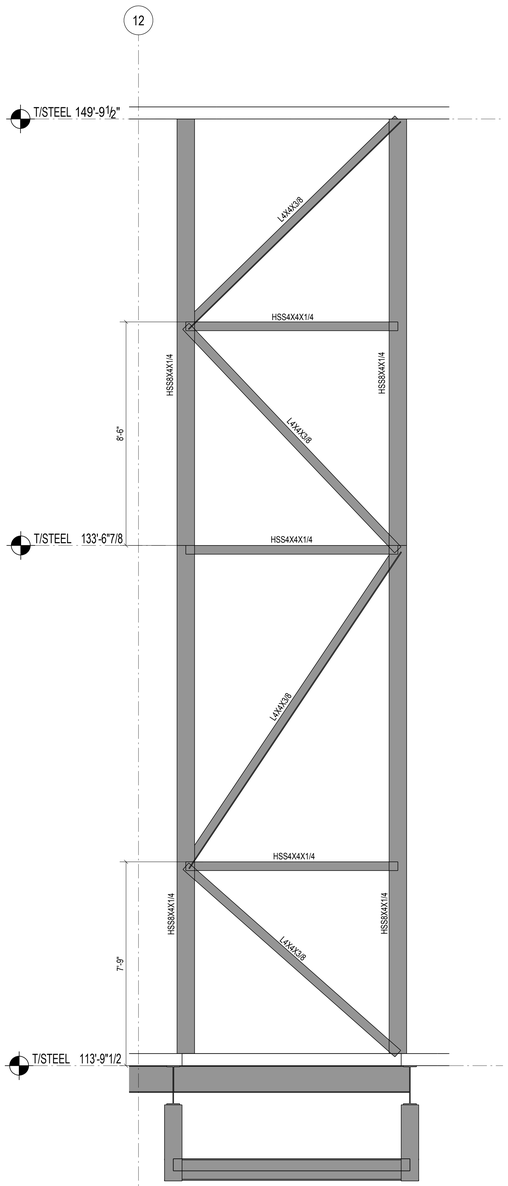
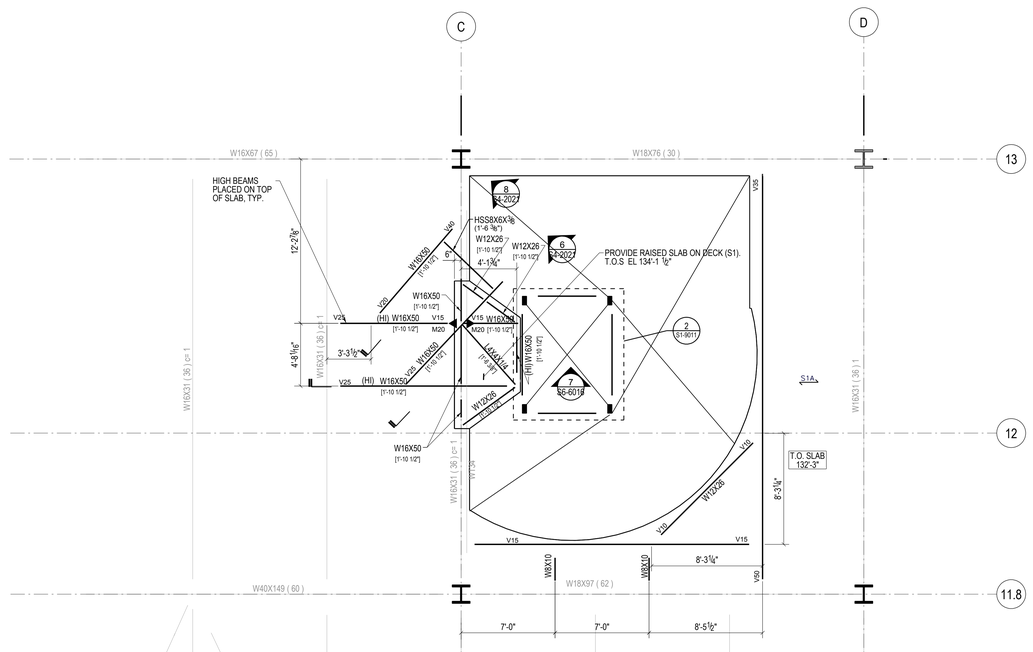


4 ELEVATOR STEEL BRACED FRAME ELEVATION
NOT TO SCALE



5 HI STEEL ABOVE TOS AT LEVEL 6
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
1	D.O.B AMENDMENT #2	10/15/2016

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 10/15/2016
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
BuildingsNY
APPROVED
Under Directive 2 of 1975
AUTHORIZATION
Date 09/19/2017
NYC Development Hub

Drawing Title
HYE-TA-S1-9011

ELEVATOR DETAILS

Drawing Number
S1-9011
N-Scan Drawing Number
S-298.00

SHEET 162 OF 443

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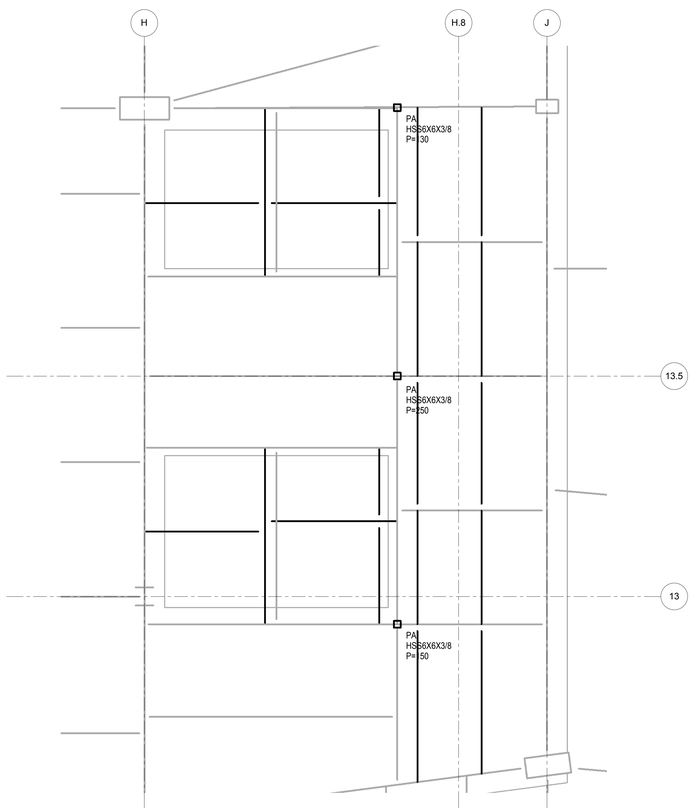
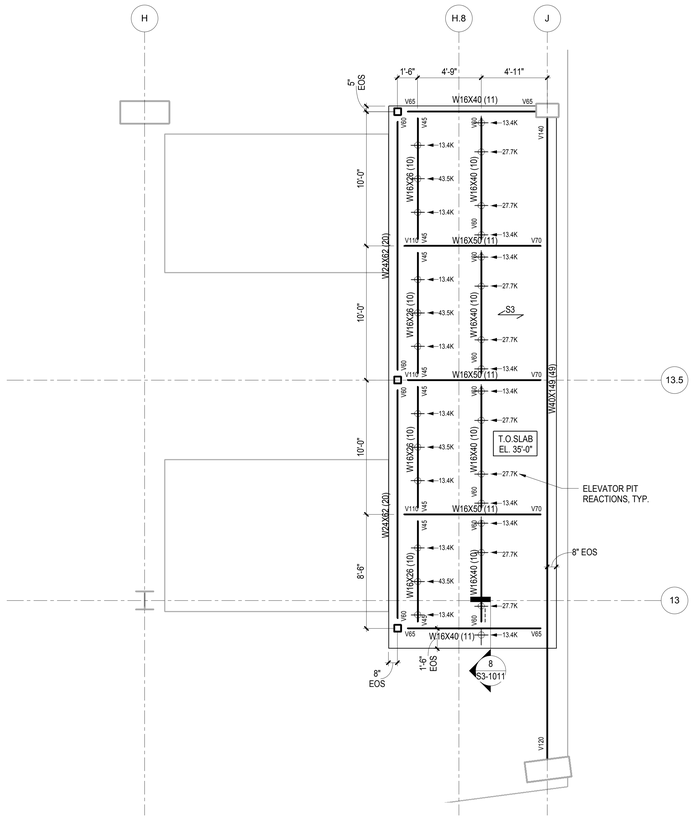


1 ELEVATOR P (DISPLAY GROUP AA 201, 202, 203, 204) - L00 PART PLAN
1/4" = 1'-0"



2 ELEVATOR P (DISPLAY GROUP AA 201, 202, 203, 204) - PIT PART PLAN
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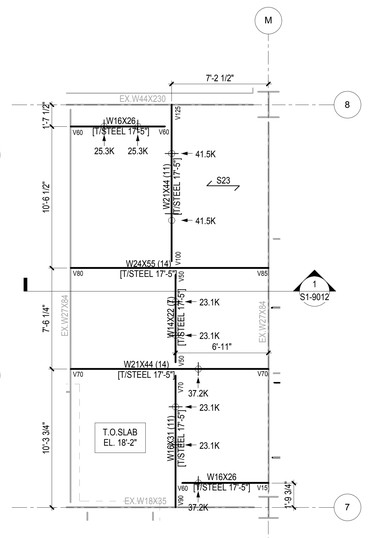
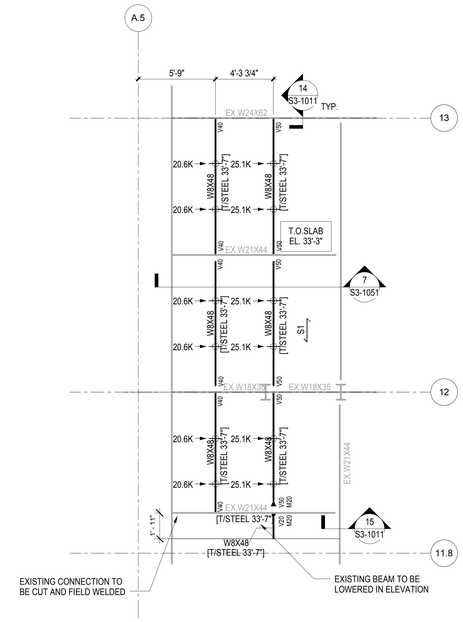


3 ELEVATOR PIT SD (DISPLAY GROUP AJ 305, 306, 307) PART PLAN
1/4" = 1'-0"



4 ELEVATOR PIT R1-R3 (DISPLAY GROUP AD 211, 212, 214)
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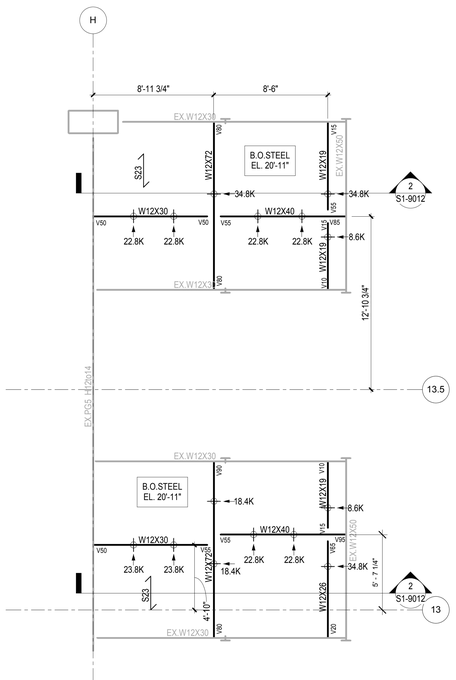
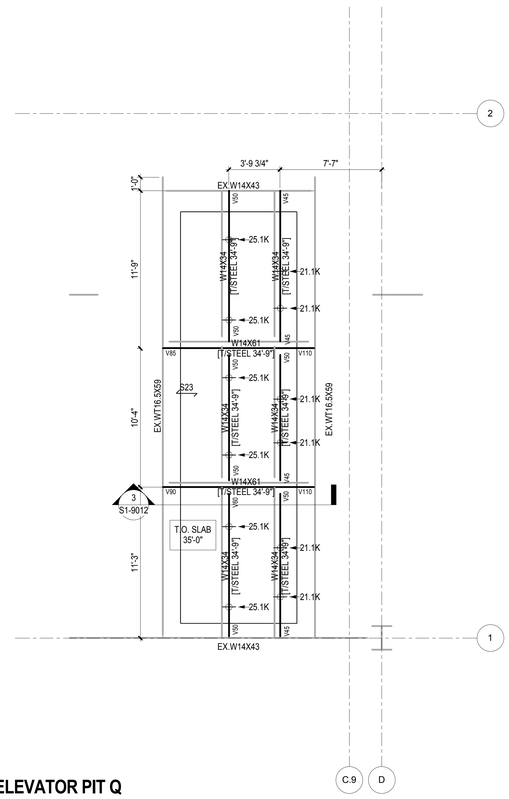
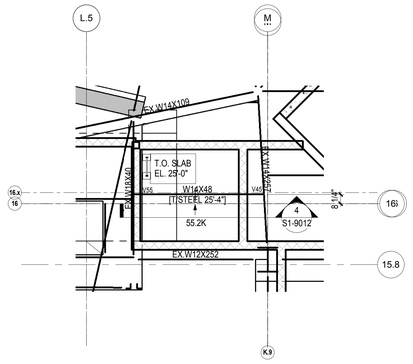


5 ELEVATOR PIT SC (DISPLAY GROUP AG 301, 302, 303, 304) PART PLAN
1/4" = 1'-0"



6 ELEVATOR PIT Q (DISPLAY GROUP AC 208, 209, 210) PART PLAN
1/4" = 1'-0"



9 ELEVATOR PIT AD (DISPLAY GROUP AE 315) PART PLAN
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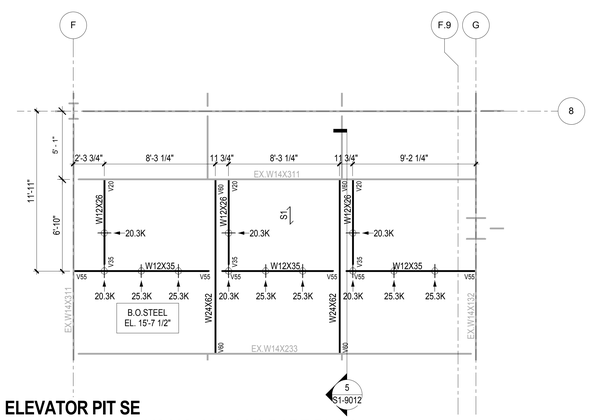
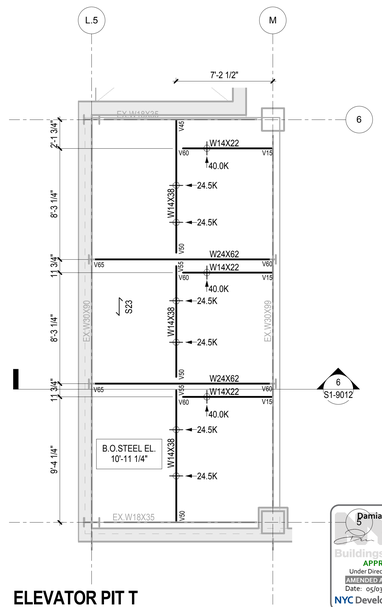


7 ELEVATOR PIT SE (DISPLAY GROUP AK 308, 309, 310) PART PLAN
1/4" = 1'-0"



8 ELEVATOR PIT T (DISPLAY GROUP AB 205, 206, 207) PART PLAN
1/4" = 1'-0"

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2002
NYC Development Hub

0 4' 8' 16'

ASI-028
PD

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan

Issue Date: 10/15/2016
Project No. N11328.00
Drawn By: Author
Sheet Number

HYE-TA-S1-9010

Drawing Title

ELEVATOR PART PLANS

Drawing Number
S1-9010
B-Scan Drawing Number
S-299.00

SHEET 163 OF 443

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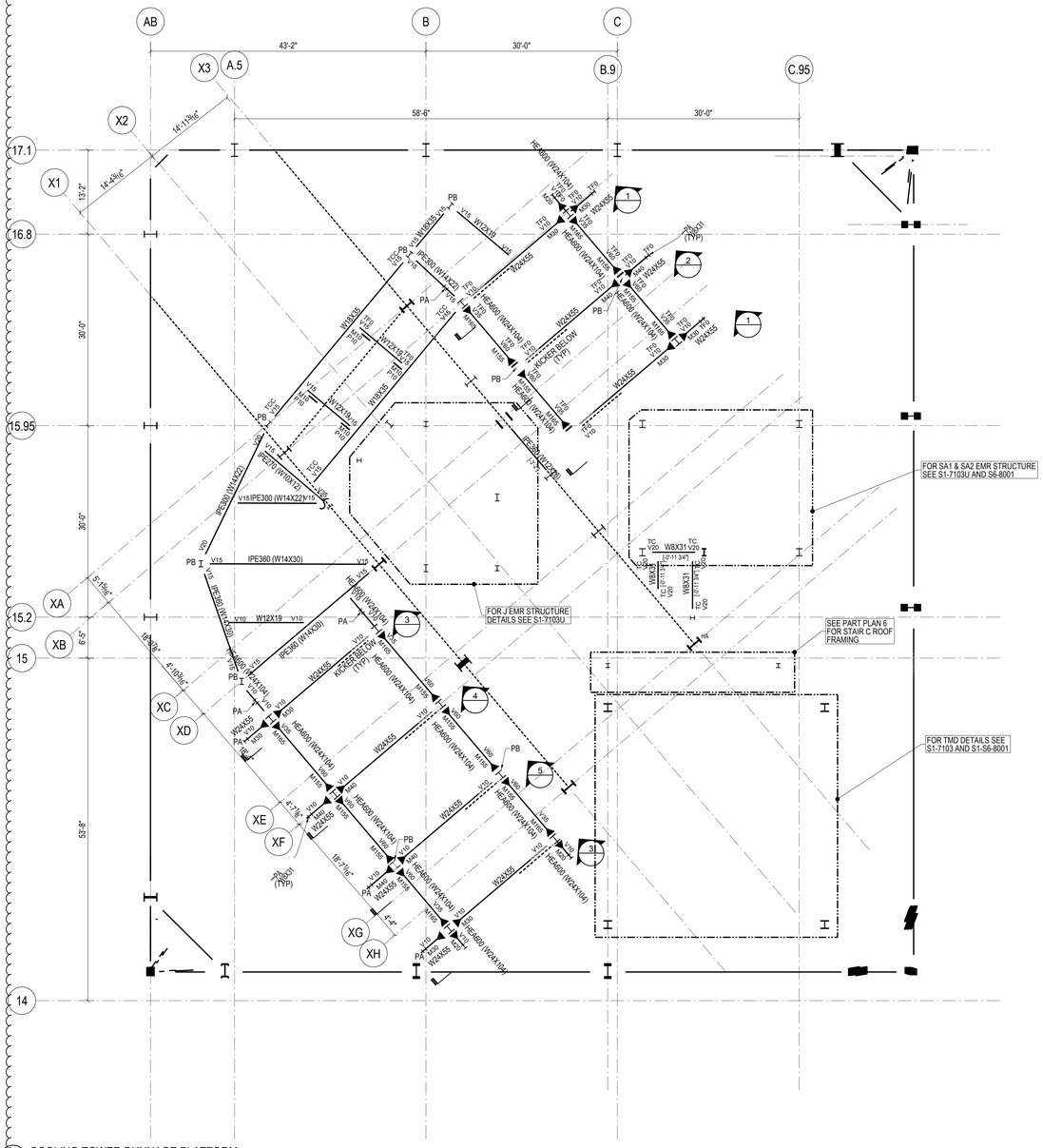
AB
B
C
X3
A.5
B.9
C.95
X2
X1
17.1
16.8
15.95
XA
15.2
XB
15
XC
XD
XE
XF
XG
XH
14
43'-2"
30'-0"
58'-6"
30'-0"
14'-11⅜"
14'-4⅝"
13'-2"
30'-0"
30'-0"
5'-7⅛"
5'-0"
18'-10⅜"
5'-10⅜"
53'-8"
4'-7⅛"
18'-7⅛"
4'-4"
HE-M800 (W24X104)
IPE360 (W14X22)
W24X55
W18X35
W12X19
IPE360 (W14X30)
V15 IPE300 (W14X22)
V15 W12X26
V15 W10X26
W8X35
W12X14
W8X31
W8X21
W8X24
W8X28
W8X48
W8X67
W12X65
W12X87
W12X106
W12X120
W12X136
W12X152
W12X170
W12X190
W12X210
W12X230
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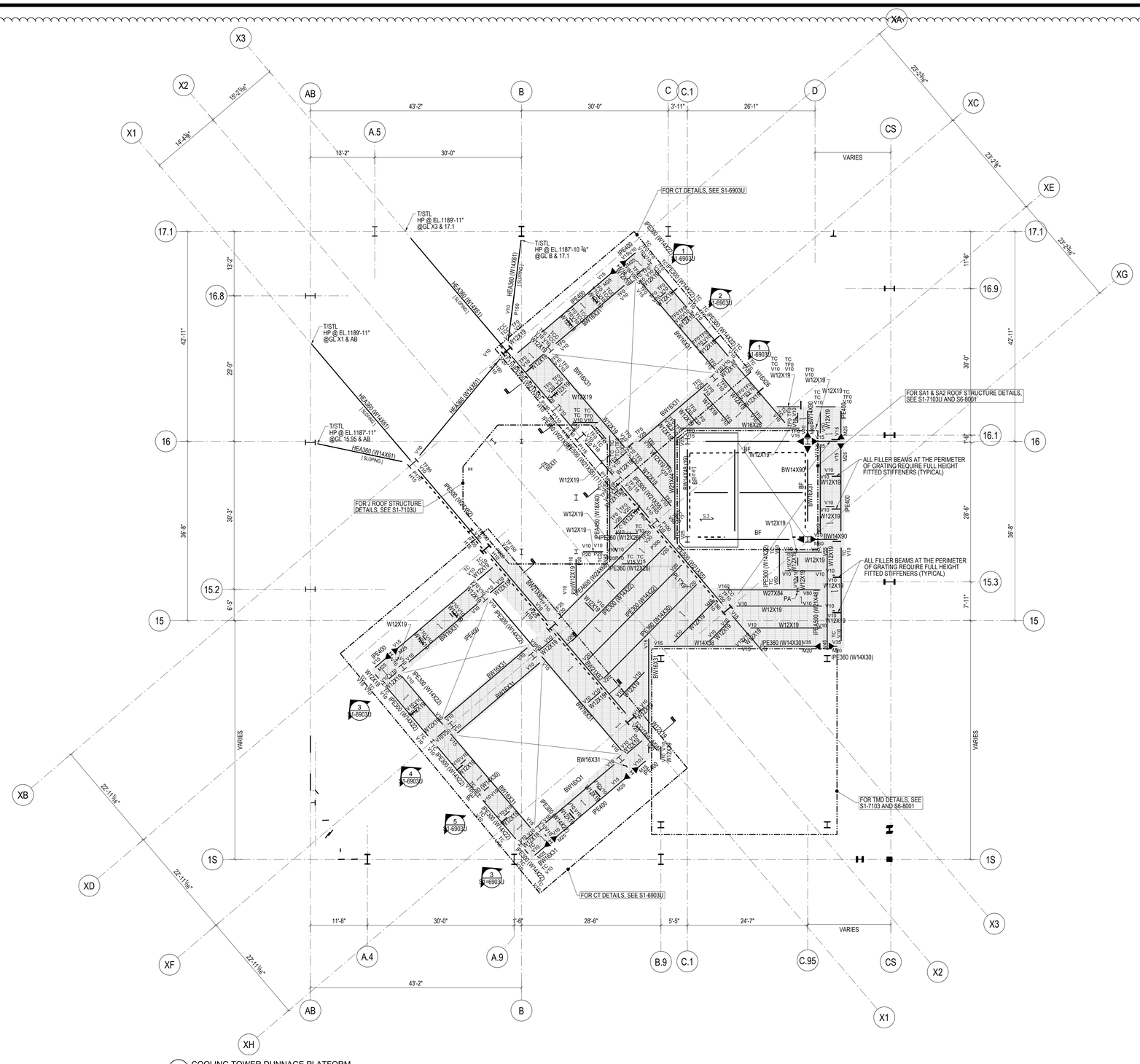
Cert of Approval 2013850251 Job Number
E3410970970 Sheet Number


X3
X2
X1
AB
B
C
C.1
D
XA
XC
XE
XG
XB
XD
XF
XH
A.5
CS
17.1
16.8
16
15.2
15
16.9
16.1
15.3
1S
A.4
A.9
B.9
C.95
X2
43'-2"
30'-0"
3'-11"
26'-1"
13'-2"
VARIES
T/STL HP @ EL.1189'-11" @GL X3 & 17.1
T/STL HP @ EL.1187-10 ¾" @GL B & 17.1
T/STL HP @ EL.1189'-11" @GL X1 & AB
T/STL HP @ EL.1187'-11" @GL 15.95 & AB
HEA360 (W14X61) [SLOPING]
FOR CT DETAILS, SEE S1-6903U
FOR J ROOF STRUCTURE DETAILS, SEE S1-7103U
FOR SA1 & SA2 ROOF STRUCTURE DETAILS, SEE S1-7103U AND S6-8001
FOR TMD DETAILS, SEE S1-7103 AND S6-8001
ALL FILLER BEAMS AT THE PERIMETER OF GRATING REQUIRE FULL HEIGHT FITTED STIFFENERS (TYPICAL)
W12X19
BW16X31
BW14X90
W27X84
W14X58
IPE360 (W14X30)
IPE500 (W24X62)
IPE450 (W21X62)
IPE400
IPE360 (W12X26)
IPE300 (W14X22)
IPE300 (W14X30)
IPE450 (W14X43)
IPE500 (W14X43)
IPE360 (W14X30)X35
BW10X31
BW18X31
BW18X51
BW18X71
BW18X106
BW18X130
BW18X143
BW18X175
BW18X211
BW18X283
BW18X311
BW18X370
BW18X400
BW18X443
BW18X486
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BW18X643
BW18X702
BW18X776
BW18X886
BW18X971
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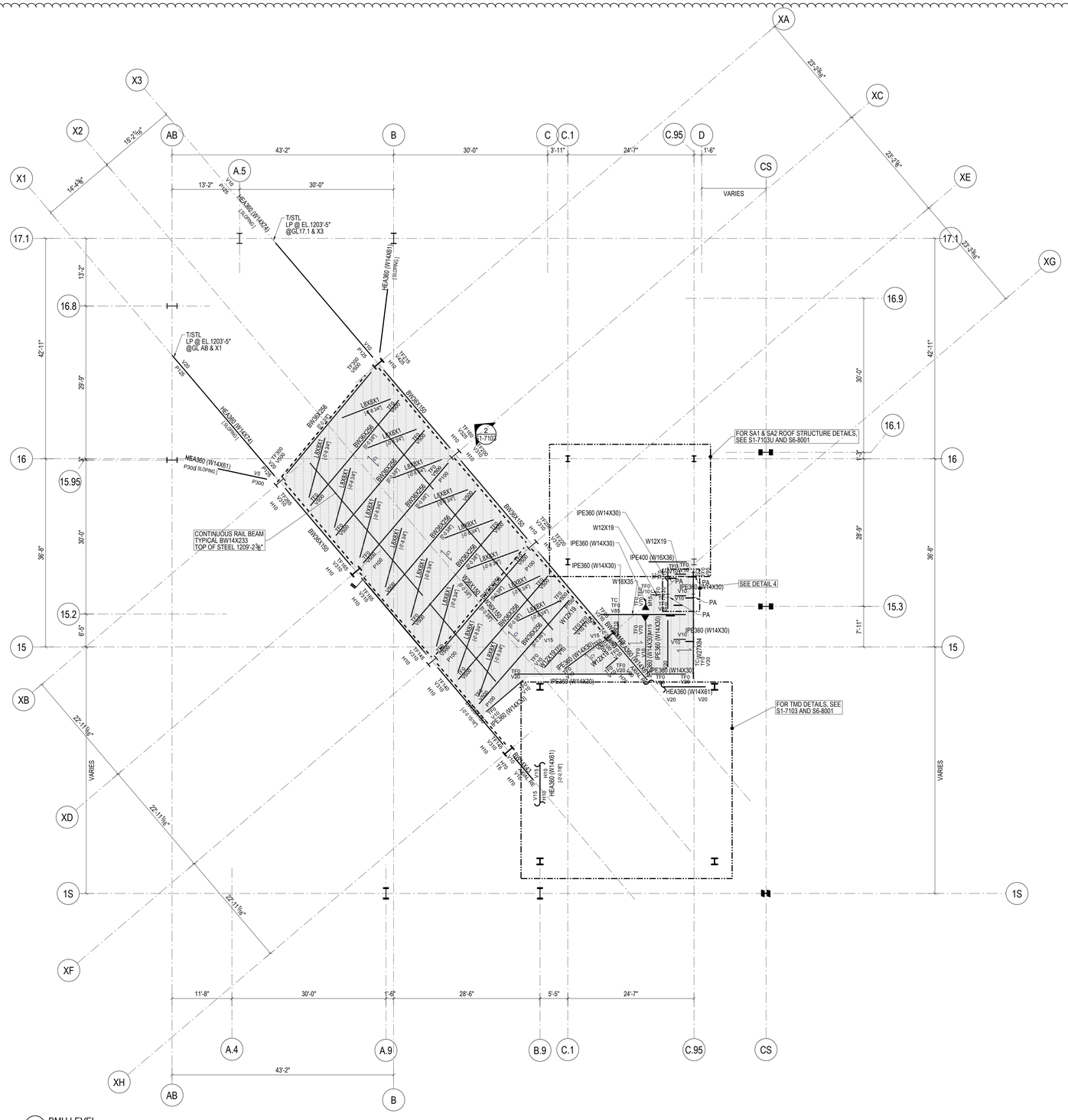
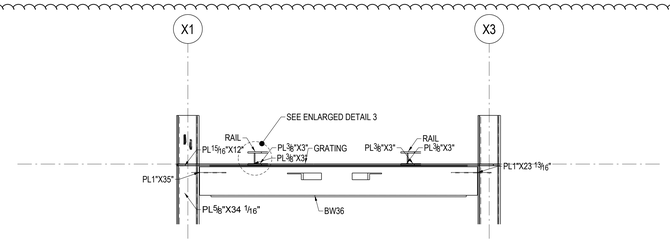
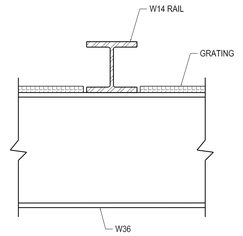


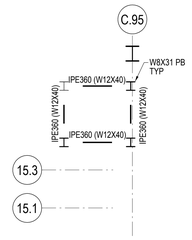
1 BMU LEVEL
1:96



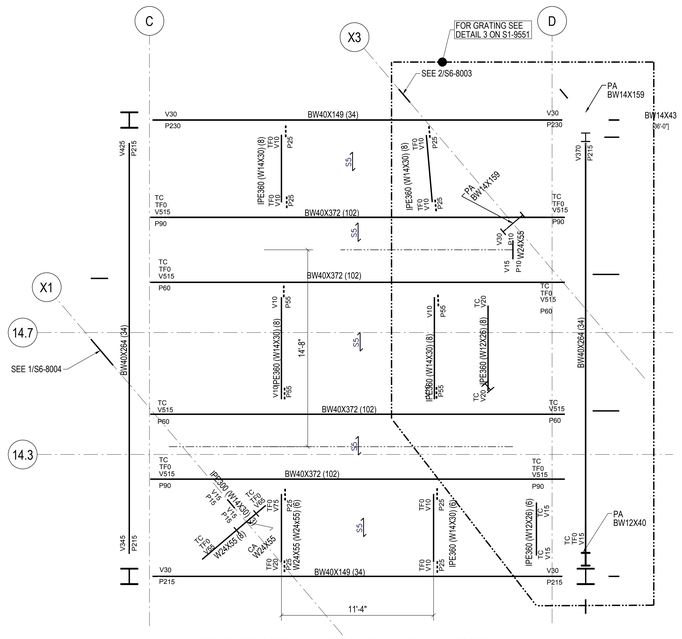
2 TOWER CROWN BMU ELEV BETWEEN GRID LINES XE-XF
3/16"=1'-0"



3 RAIL ENLARGED DETAIL
SCALE: 3/4" = 1'-0"



4 STAIR PLATFORM T/STL 1209'-7"
3/4"=1'-0"



5 TMD ROOF PLAN-T/SLAB 1247'-4" & T/STL 1246'-8"
1/4"=1'-0"

PLAN RELOCATED FROM S1-7103U

STEEL BEAM LEGEND

SIZE
NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS
BEAM WEB PENETRATION MARK (SEE SCHEDULE)
DENOTES BRACED FRAME (SEE BRACED FRAME ELEVATIONS)
MOMENT CONNECTION
REQUIRED CAMBER (NONE IF OMITTED)
V42 W18x40 (30) cm1" V50
M50 P200 H20 T20 X'-XX"
[-1 1/2"]
P100 TF200
COLLECTOR/AXIAL CONNECTION
DEVIATION FROM TYPICAL T/STEEL ELEVATION

V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL GRATING EL+ 1208'-0" UON THUS:
   X" X - INDICATES CHANGE IN T/STRUCTURAL GRATING ELEVATION
2. T/STEEL EL+ 1207'-10" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/9/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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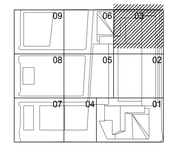
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK
DAMIAN TITUS
LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-7103
Drawing Title

BMU LEVEL

Drawing Number
S1-7103
Revision Drawing Number

S-304.01

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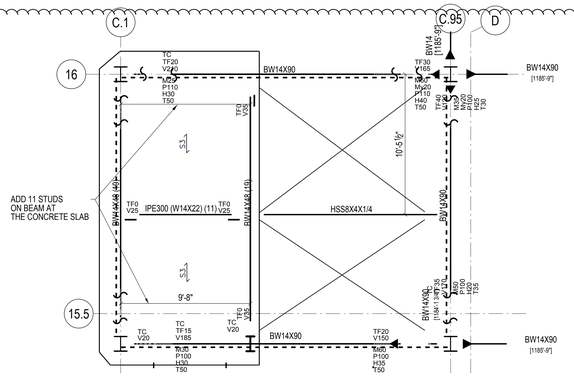
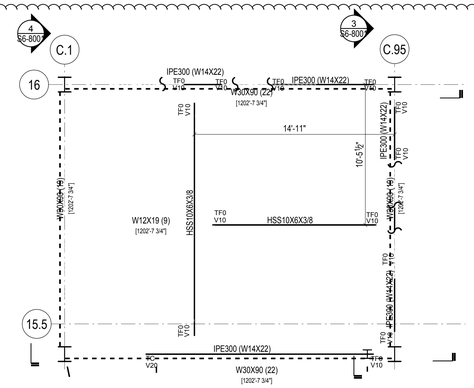
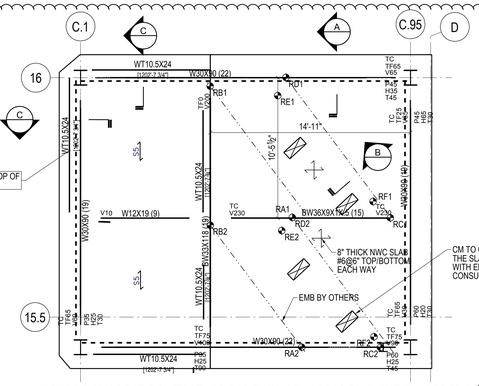


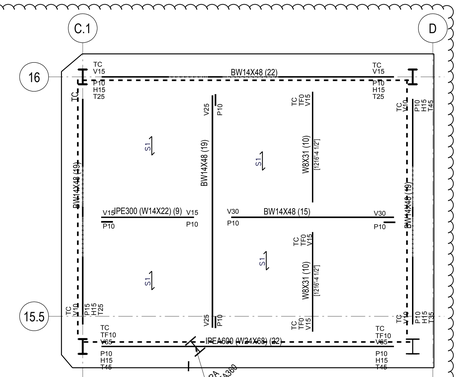
1 101(SA1)/102(SA2) ACCESS LEVEL PLAN T/SLAB-1185'-10 ½" & T/STL 1185'-3"
1/8"=1'-0"



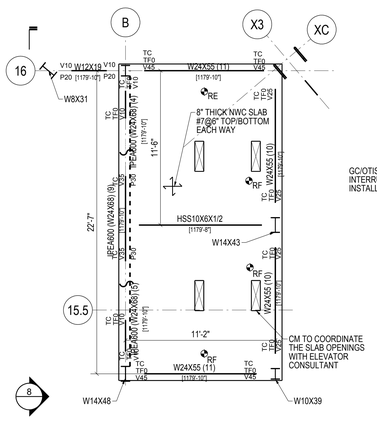
2 101(SA1)/102(SA2) INTERMEDIATE ELEV SUPPORT PLAN T/STL 1197'-0"
1/8"=1'-0"



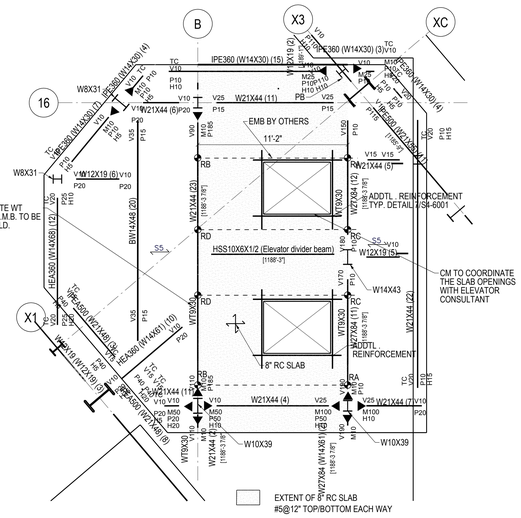
3 101(SA1)/102(SA2) EMR PLAN-T/SLAB 1204'-2" & T/STL 1202'-7 ¾"
1/8"=1'-0"



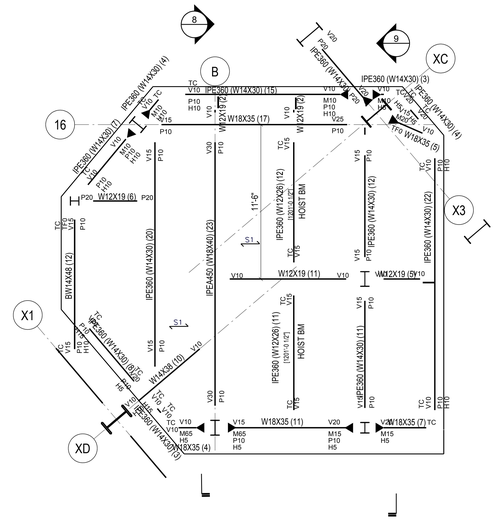
4 101(SA1)/102(SA2) ROOF PLAN-T/SLAB-1217'-0" & T/STL 1216'-6 ½"
1/8"=1'-0"



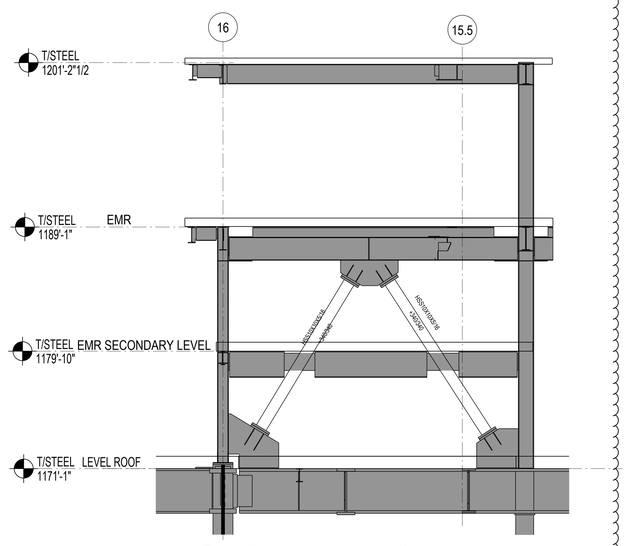
5 J BANK EMR SECONDARY PLAN-T/SLAB-1180'-6"
1/8"=1'-0"



6 J BANK EMR PLAN-T/SLAB 1189'-9" & T/STL 1189'-1"
1/8"=1'-0"



7 T/STL 1201'-2 ½"J BANK ROOF PLAN-T/SLAB 1201'-8" & T/STL 1201'-2 ½"
1/8"=1'-0"

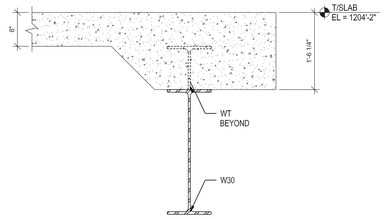


8 J BANK WEST ELEVATION
1/4" = 1'-0"

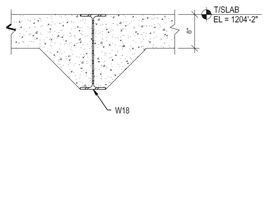
ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	101(SA1) LOADS	
	STATIC	DYNAMIC
RA	76.6	38.3
RB	38.1	19.0
RC	55.7	27.9
RD	60.3	30.1
RE	4.4	2.2
RF	4.4	2.2

ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	102(SA2) LOADS	
	STATIC	DYNAMIC
RA2	60.8	30.4
RB2	30.8	15.4
RC2	38.9	19.5
RD2	51.3	25.6
RE2	4.4	2.2
RF2	4.4	2.2

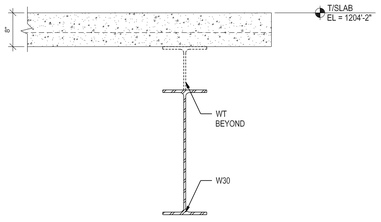
ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	J1&J2 LOADS	
	STATIC	DYNAMIC
RA	71.616	35.808
RB	42.011	21.005
RC	105.510	52.755
RD	61.252	30.626
RE	4.339	2.170
RF	4.339	2.170



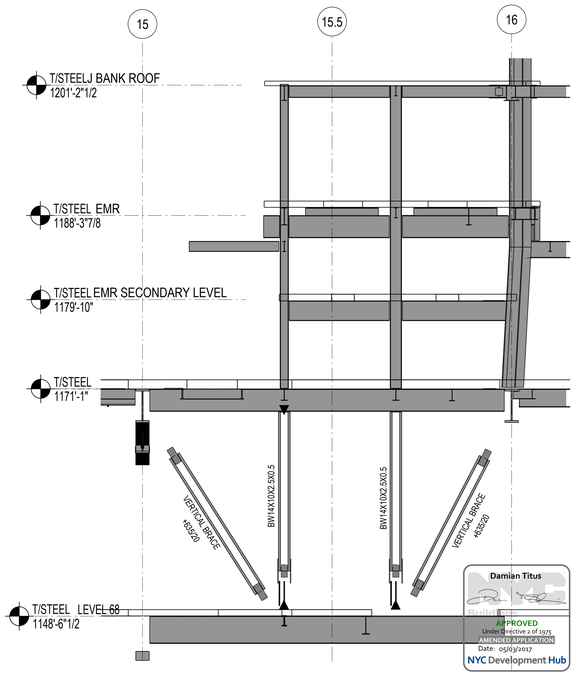
A SECTION
1" = 1'-0"



B SECTION
1" = 1'-0"

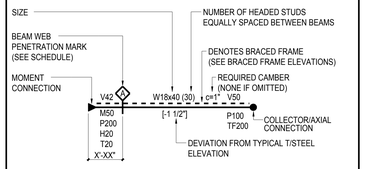


C SECTION
1" = 1'-0"



9 TA J BANK EAST ELEVATION
3/4" = 1'-0"

STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 0" UON THUS:
   X" — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 0" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
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   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
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   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
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TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

0 4' 8' 16'

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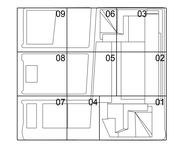
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

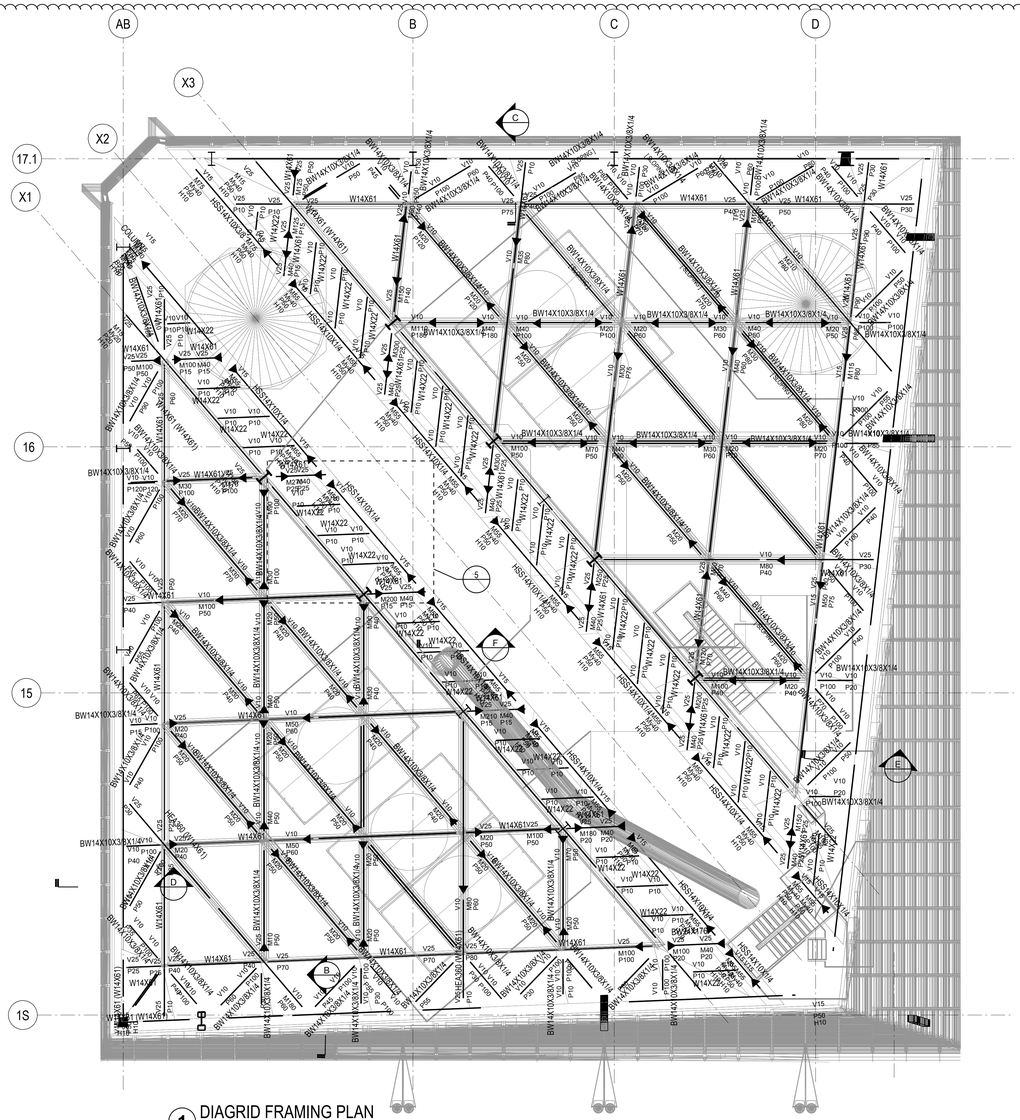
HYE-TA-S1-7103U
Drawing Title

PARTIAL PLANS
SA1/SA2 EMR
J BANK EMR

Drawing Number
S1-7103U
R-Scan Drawing Number
S-305.01

SHEET 153 OF 443

Damian Titus
Expires: 12/31/2017
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub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B
C
D
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X2
17.1
X1
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1S
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HSS14X10X1/4
HSS16X12X3/8
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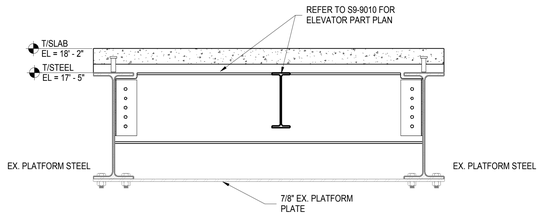
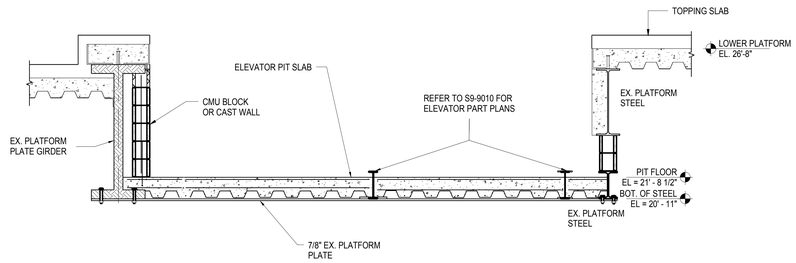


1 SD3 (DISPLAY GROUP AJ 307) ELEVATOR PIT DETAIL
NOT TO SCALE



2 SC (DISPLAY GROUP AG 301, 302, 303, 304) PIT DETAIL
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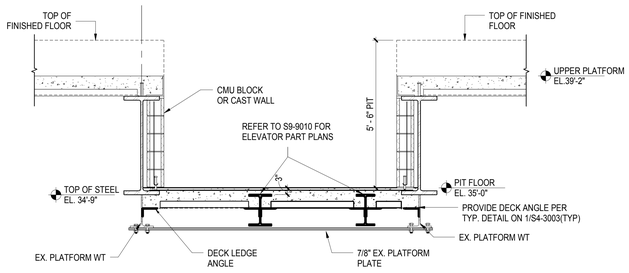

3 Q (DISPLAY GROUP AC 208, 209, 210) PIT DETAIL
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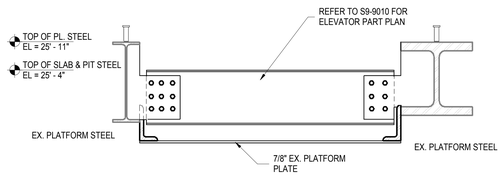
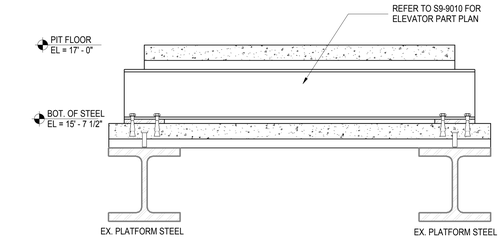
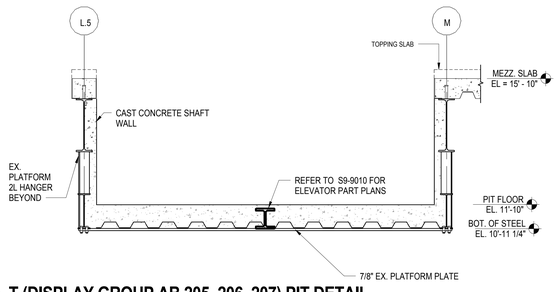


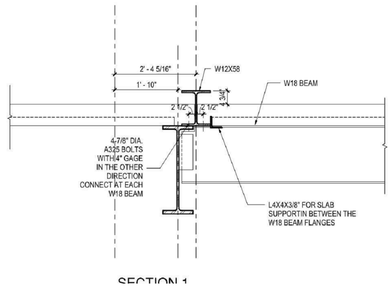
4 AD1 (DISPLAY GROUP AE 215) PIT DETAIL
NOT TO SCALE



5 SE (DISPLAY GROUP AK 308, 309, 310) PIT DETAIL
NOT TO SCALE



6 T (DISPLAY GROUP AB 205, 206, 207) PIT DETAIL
NOT TO SCALE



7 D4 ELEVATOR SECTION
1/2" = 1'-0"

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No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan

Issue Date: 10/15/2016
Project No.: N11328.00
Drawn By: Author
Sheet Number: HYE-TA-S1-9012
Drawing Title:

ELEVATOR PIT DETAILS

Drawing Number: **S1-9012**
B-Scan Drawing Number: S-307.00

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ACCEPTANCE/OPERATION
Date: 09/01/2017
NYC Development Hub

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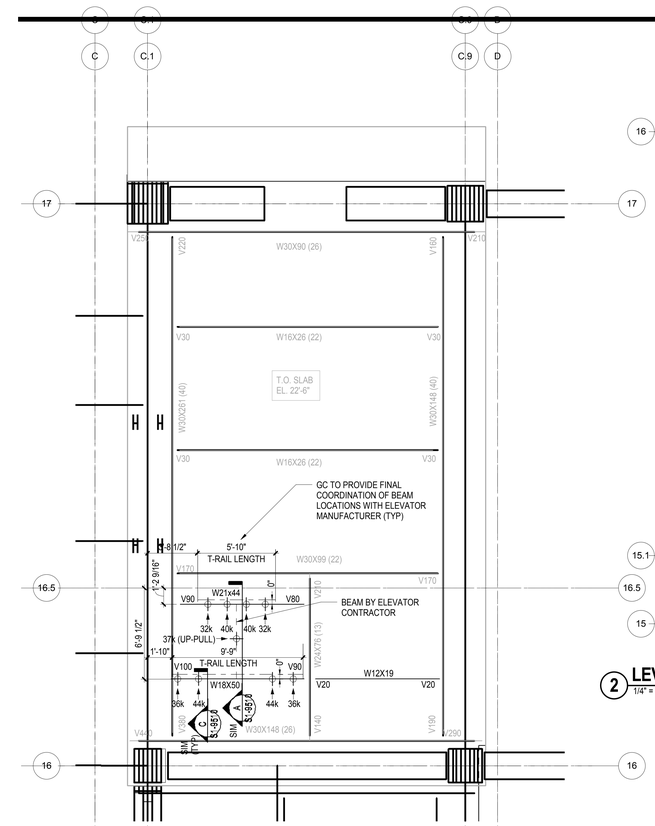
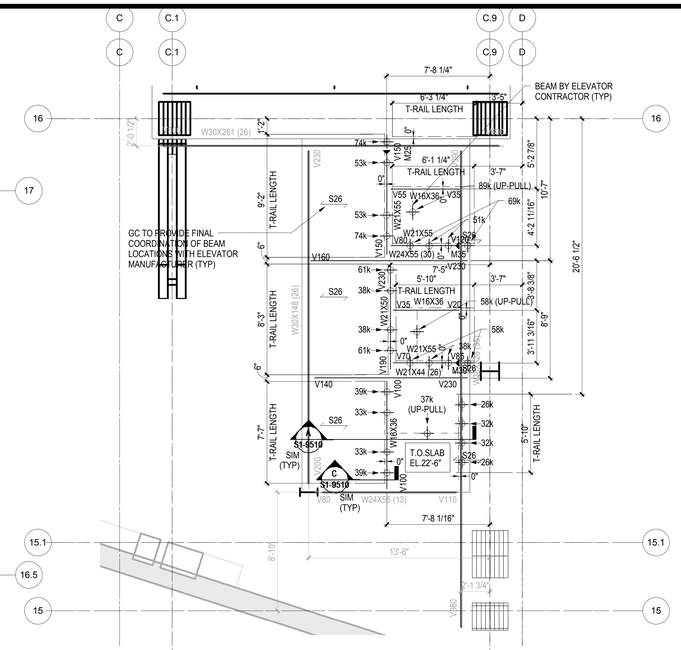
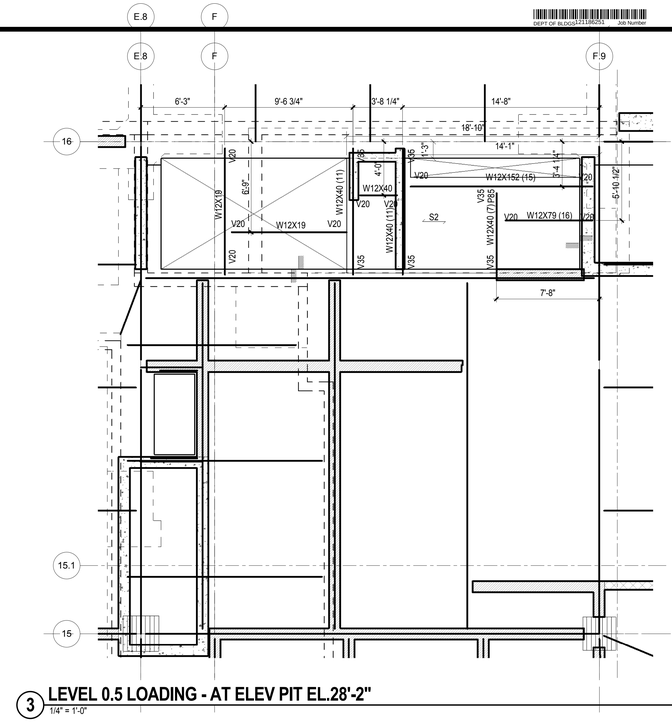


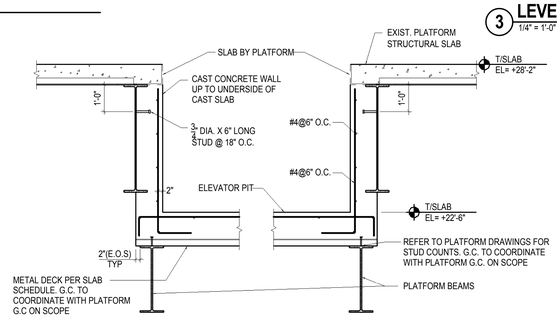
1 LEVEL 0.5 LOADING - AT MECHANICAL MEZZANINE
1/4" = 1'-0"



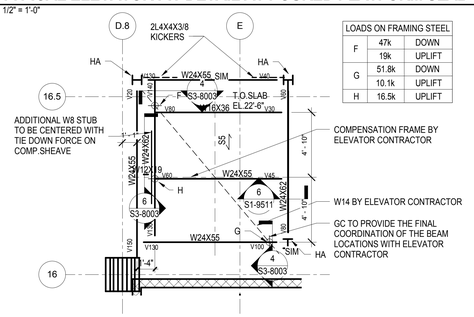
2 LEVEL 0.5 LOADING - AT SA ELEVATOR PIT
1/4" = 1'-0"



3 LEVEL 0.5 LOADING - AT ELEV PIT EL.28'-2"
1/4" = 1'-0"

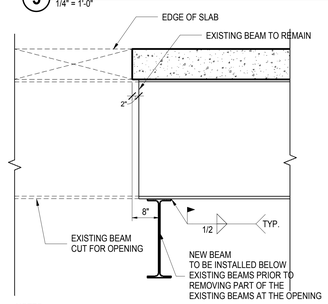


2A TYPICAL ELEVATOR PIT DETAIL AT POURED PLATFORM SLAB
1/2" = 1'-0"



LOADS ON FRAMING STEEL		
F	47k	DOWN
	19k	UPLIFT
G	51.8k	DOWN
	10.1k	UPLIFT
H	16.5k	UPLIFT

5 ELEVATOR PIT
1/4" = 1'-0"



NOTES:

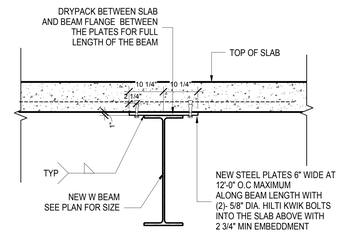
1. PROCEDURE FOR THE INSTALATION OF THE NEW FRAMING AT THE ELEVATOR OPENING ON THE EXISTING PLATFORM STRUCTURE AT ELEVATION 28'-2".

2. INSTALL THE NEW W33 BEAM IN THE E-W DIRECTION

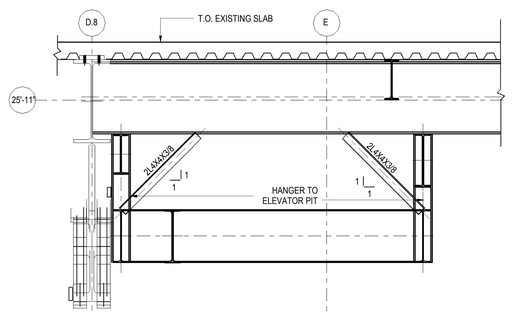
3. INSTALL THE NEW BEAMS IN THE N-S DIRECTION ON EACH SIDE OF THE OPENING BELOW THE EXISTING W33 BEAMS.

4. REMOVE THE PART OF THE W33 BEAMS WITHIN THE OPENING

6 ELEVATOR DETAIL
3/4" = 1'-0"

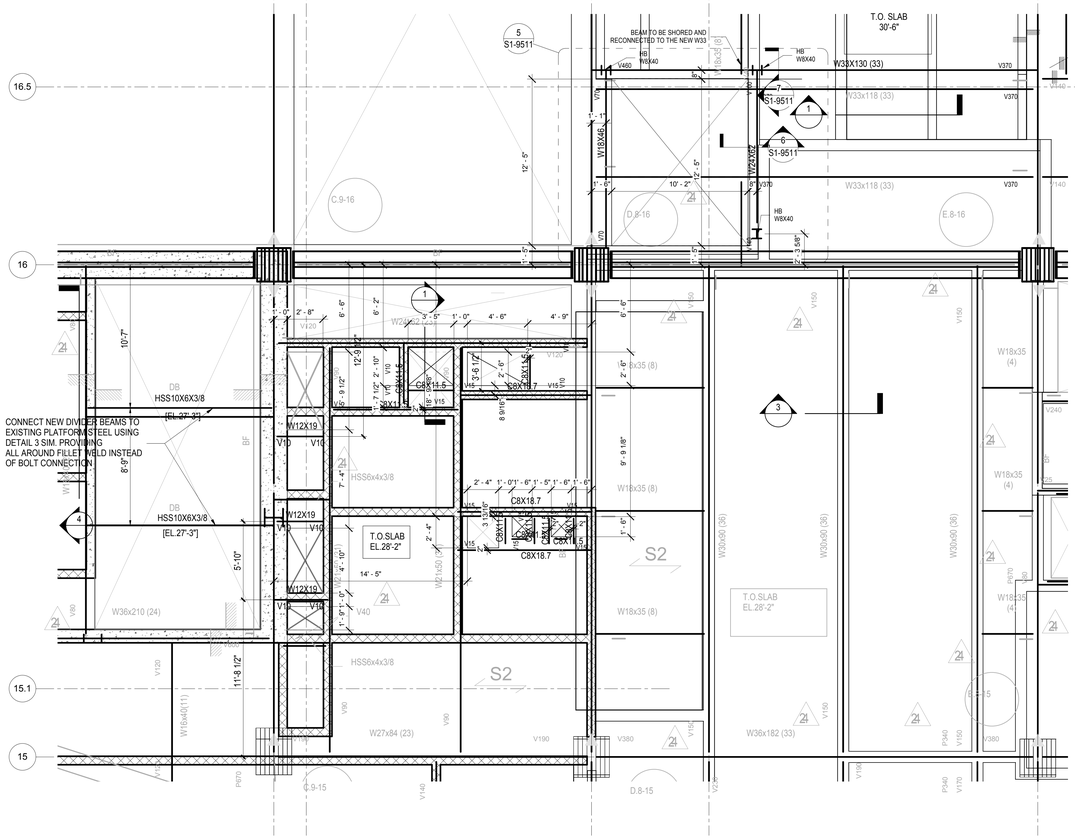


7 BEAM INSTALATION BELOW EXISTING DECK
3/4" = 1'-0"



9 PIT NORTH ELEVATION
NOT TO SCALE

0 4' 8' 16'



4 LEVEL 0.5 LOADING - AT ELEV PIT EL.28'-2"-GRID C.9/16
1/4" = 1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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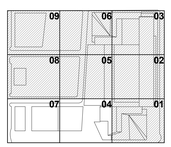
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number

HYE-TA-S1-9511

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Drawing Title
TOWER PART PLAN

Drawing Number
S1-9511
B-Scan Drawing Number
S-309.00

SHEET 166 OF 443

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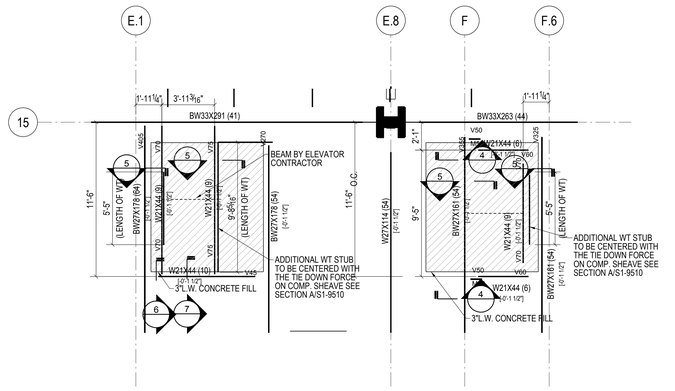
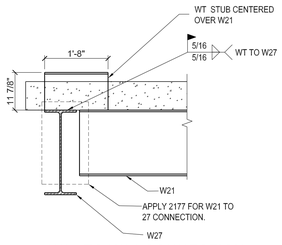
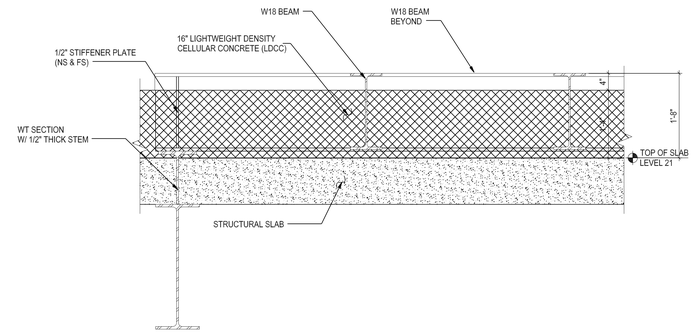


1 LEVEL 19TH ELEVATOR PIT PART PLAN
1:48

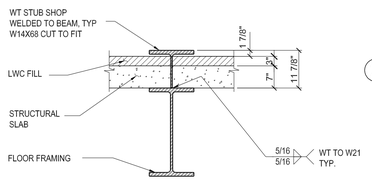


4 W27 TO W21 CONNECTION
NOT TO SCALE

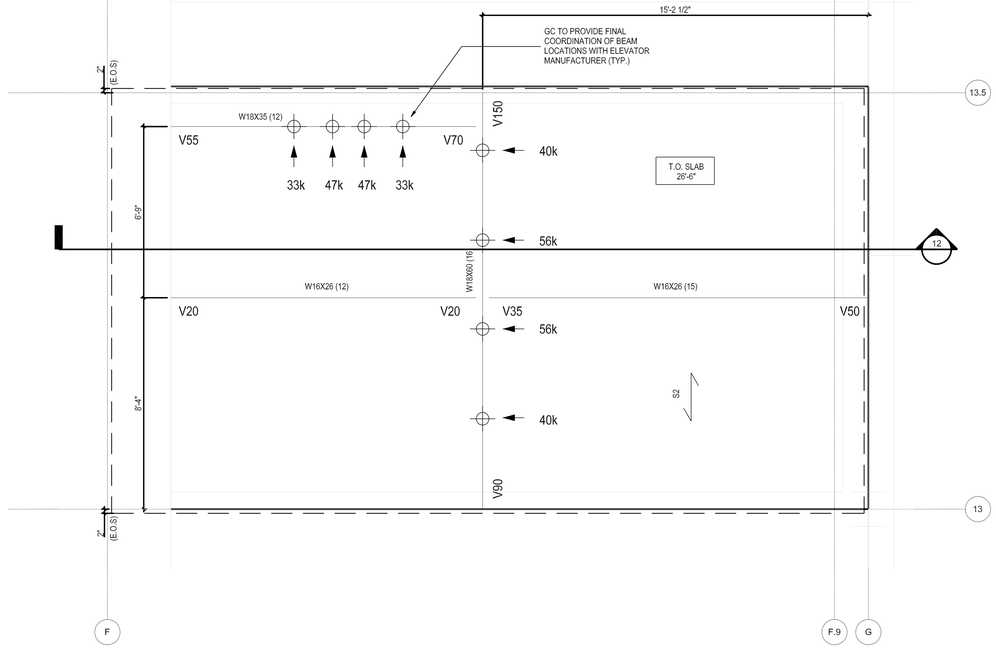


NOTE: SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

3 LEVEL 21 ELEVATOR PIT SECTION
SCALE :- 1" = 1'-0"

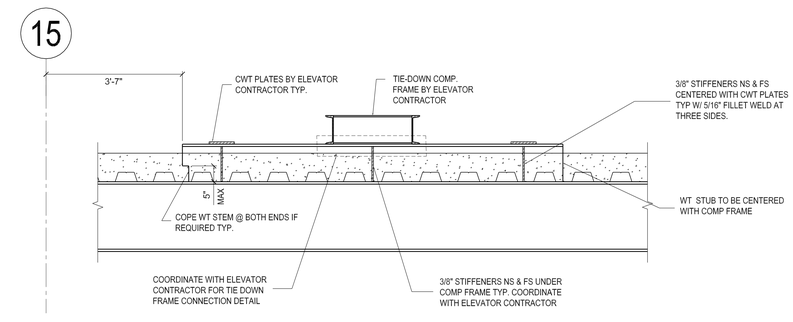


5 SECTION VIEW WT OVER W21 TYP
NOT TO SCALE

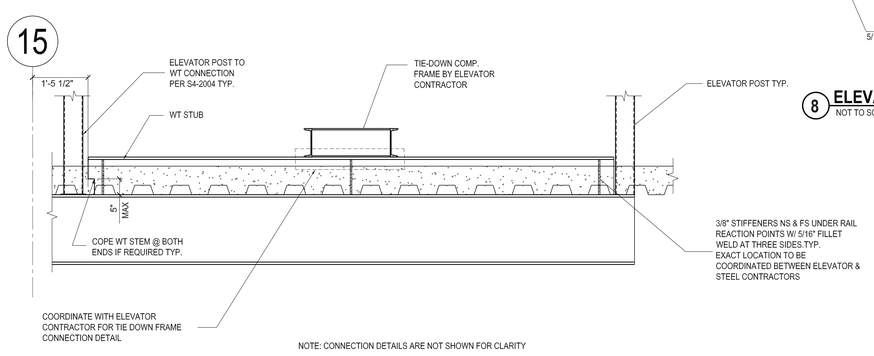


2 PART PLAN ELEVATOR 105 (SB1)
SCALE :- 1/2" = 1'-0"

8 ELEVATION VIEW FOR W18X50 TYP.
NOT TO SCALE

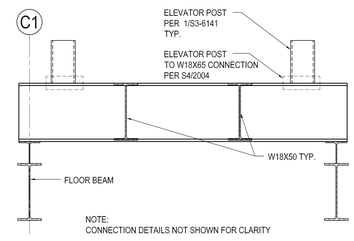


6 ELEVATION VIEW
NOT TO SCALE



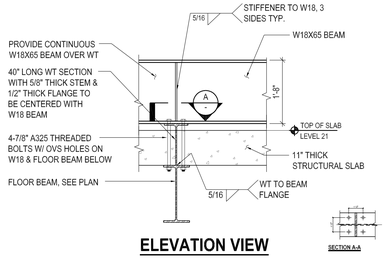
NOTE: CONNECTION DETAILS ARE NOT SHOWN FOR CLARITY

7 ELEVATION VIEW
NOT TO SCALE

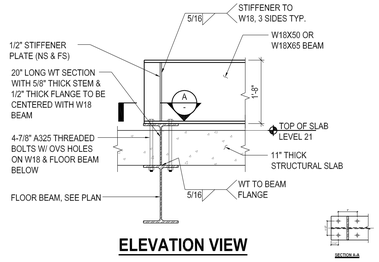


NOTE:
CONNECTION DETAILS NOT SHOWN FOR CLARITY

9 ELEVATION VIEW FOR W18X65 TYP.
NOT TO SCALE



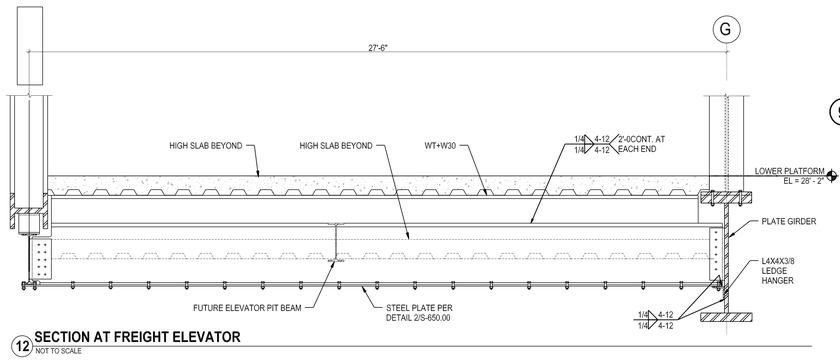
ELEVATION VIEW



ELEVATION VIEW

10 DETAIL AT INTERIOR CONDITION
NOT TO SCALE

11 TYP. DETAIL AT EDGE CONDITION
NOT TO SCALE



12 SECTION AT FREIGHT ELEVATOR
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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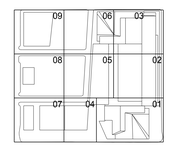
No.	Description	Date
1	D.O.B AMENDMENT #2	10/15/2016

Key Plan



Issue Date 10/15/2016
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-9512
Drawing Title

TOWER ELEVATOR PIT PART PLANS SECTIONS

Drawing Number
S1-9512
D-Scan Drawing Number
S-323.00

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
ARCHITECT APPLICATION
Date: 05/03/2017
NYC Development Hub

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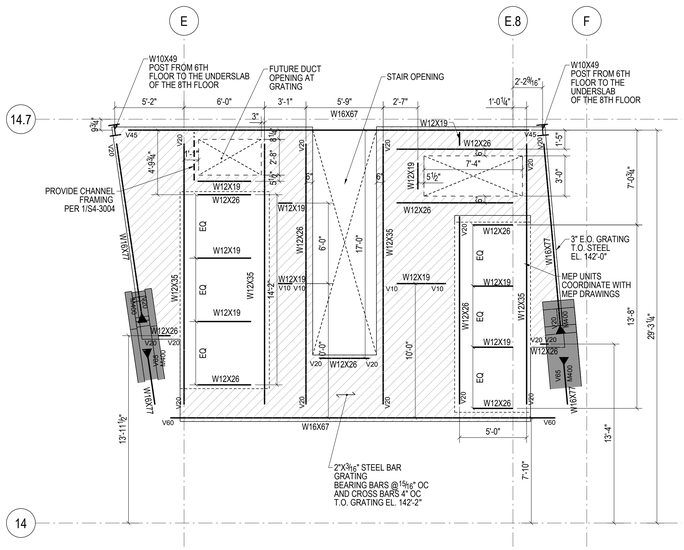
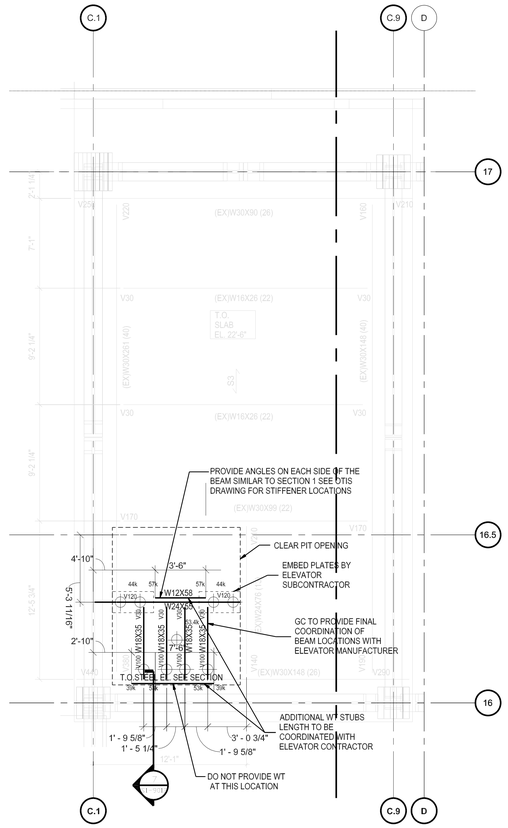
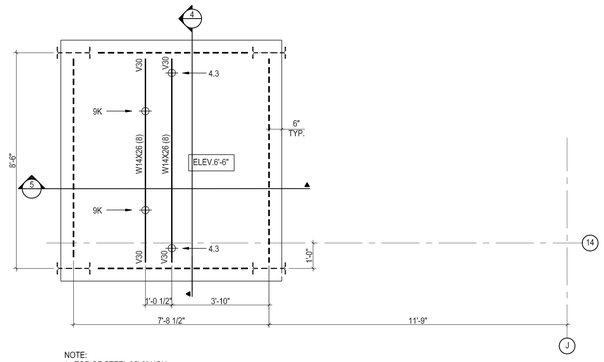


1 MEP PLATFORM FRAMING PLAN ABOVE LEVEL 6
1:48

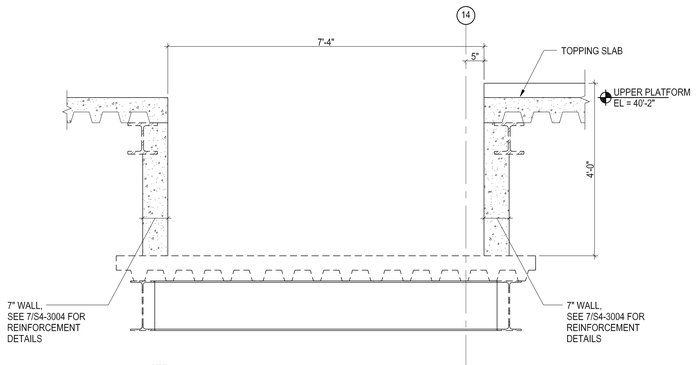


2 ELEVATOR D4 PIT PART PLAN
SCALE: 1/4" = 1'-0"



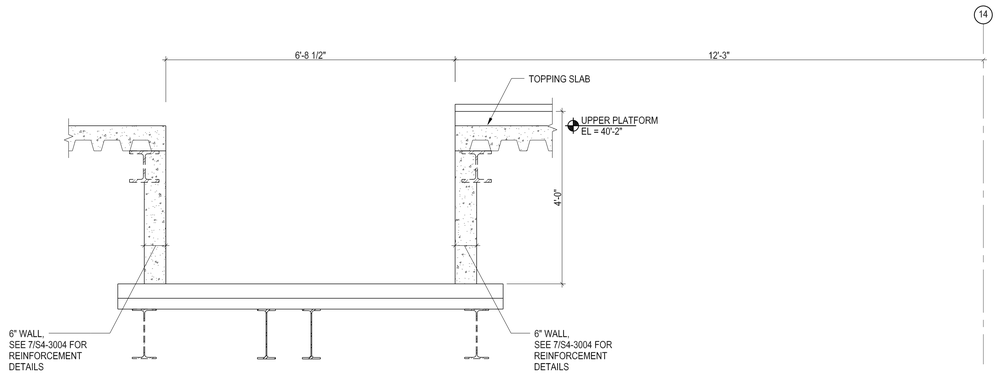
NOTE:
1. TOP OF STEEL 35'-9" UON
2. DASHED LINES REPRESENT EXISTING STEEL.
3. OTIS TO CONFIRM ALL DIMENSIONS. TCC TO COORDINATE

3 AA BANK ELEVATOR PIT PART PLAN
SCALE: 1/2" = 1'-0"



NOTE:
CONNECTION DETAILS NOT SHOWN FOR CLARITY.

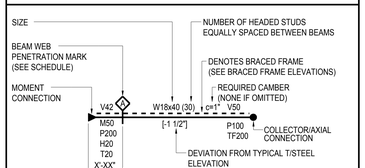
4 ELEVATION VIEW
SCALE: 3/4" = 1'-0"



NOTE:
CONNECTION DETAILS NOT SHOWN FOR CLARITY.

5 ELEVATOR
SCALE: 3/4" = 1'-0"

STEEL BEAM LEGEND



V	INDICATES FACTORED VERTICAL SHEAR IN KIPS (SEE SCHEDULE IF OMITTED)
M	INDICATES FACTORED END MOMENT IN KIP-FEET (SEE SCHEDULE IF OMITTED)
P	INDICATES FACTORED END AXIAL FORCE IN KIPS
H	INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS
T	INDICATES TORSIONAL MOMENT IN KIP-FEET
TF	INDICATES AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT IN KIPS

STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 144'-6" UON THUS:
   X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 144'-0 1/2" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:

	INDICATES MOMENT CONNECTION
	INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
	INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
	INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
UP	INDICATES SLOPE IN TOP OF SLAB
	INDICATES CHANGE IN SLAB THICKNESS
	INDICATES SLOPING COLUMN DIRECTION
	INDICATES THICKENED SLAB
	INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
	INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 7/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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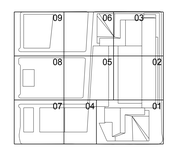

Issue Date 10/15/2016
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S1-9513
Drawing Title

PART PLANS

Drawing Number
S1-9513
B-Scan Drawing Number
S-324.00

SHEET 168 OF 443

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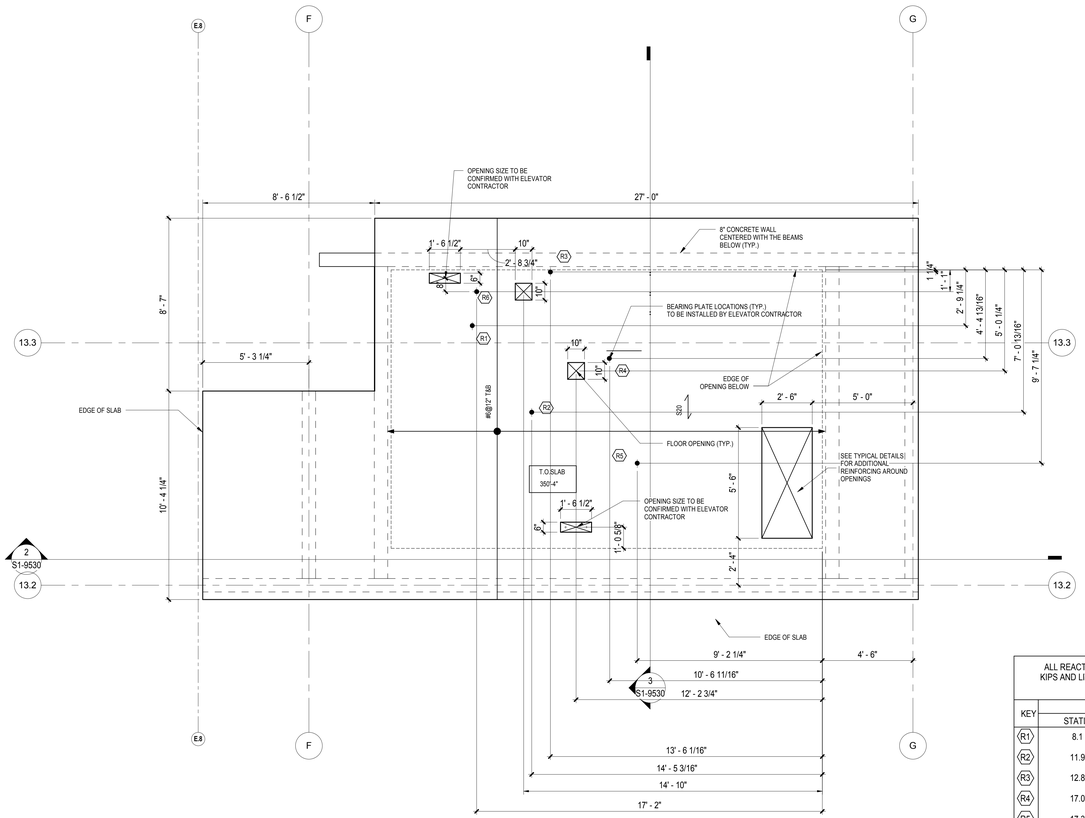
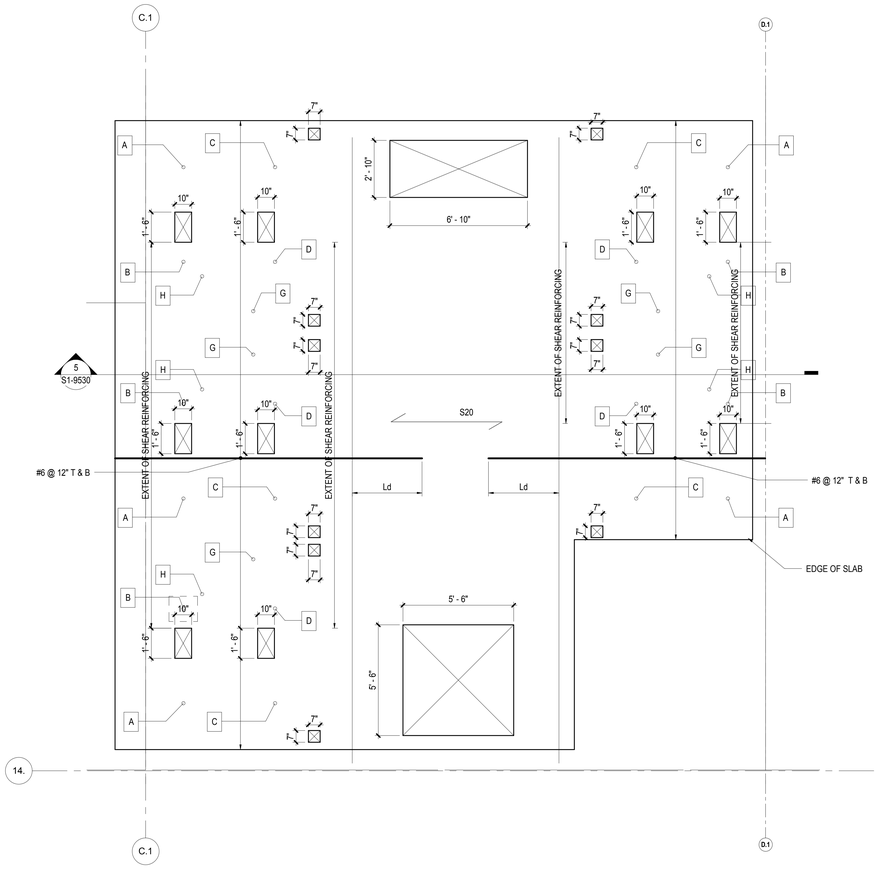
DEPT OF BLDGS STRUCTURES Job Number
ES525497370 Scan Code



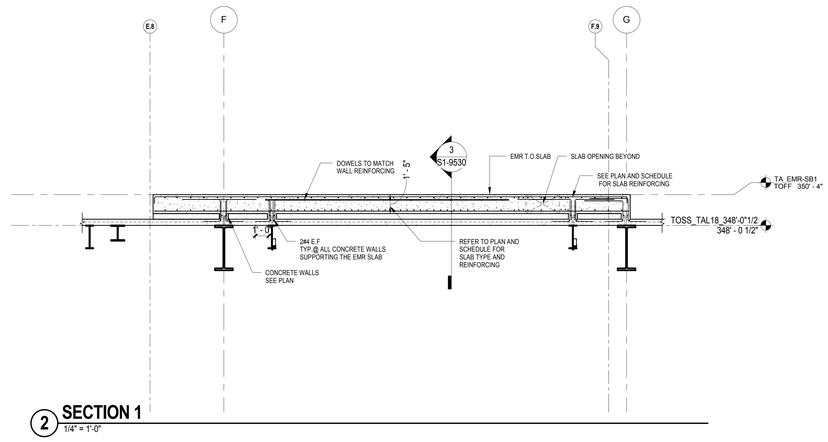
ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	LOADS	
	STATIC	DYNAMIC
R1	8.1	13.9
R2	11.9	17.6
R3	12.8	23.1
R4	17.0	27.0
R5	17.3	34.5
R6	14.8	29.5

1 EMR PLAN ABOVE 18TH FOOR
3/8" = 1'-0"

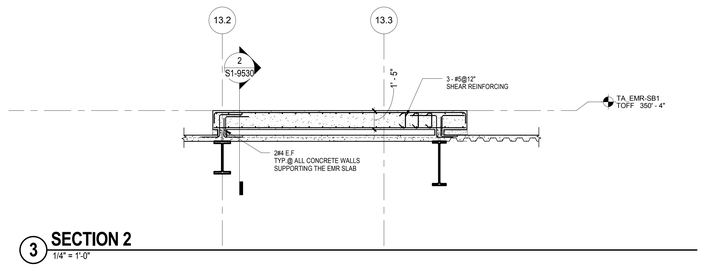


ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	LOADS	
	STATIC	DYNAMIC
A	9.63	15.34
B	14.072	24.23
C	12.12	19.37
D	17.76	30.66
E	N/A	N/A
F	N/A	N/A
G	1.64	3.29
H	1.64	3.29

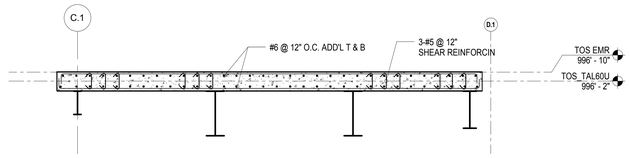
4 EMR PLAN ABOVE 60U FLOOR
3/8" = 1'-0"



2 SECTION 1
1/4" = 1'-0"



3 SECTION 2
1/4" = 1'-0"



5 SECTION VIEW
1/4" = 1'-0"

HUDSON YARDS - RETAIL PODIUM AND TOWER A
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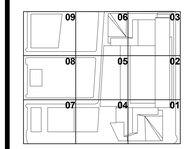
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By: Author
Sheet Number

HYE -TA -S1-9530
Drawing Title

LEVEL18 ELEVATOR MACHINE ROOM

Drawing Number
S1-9530
B-Scan Drawing Number
S-325.00

SHEET 169 OF 443

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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S1-9530
10/17/2016 4:14:42 PM
LEVEL18 ELEVATOR MACHINE ROOM
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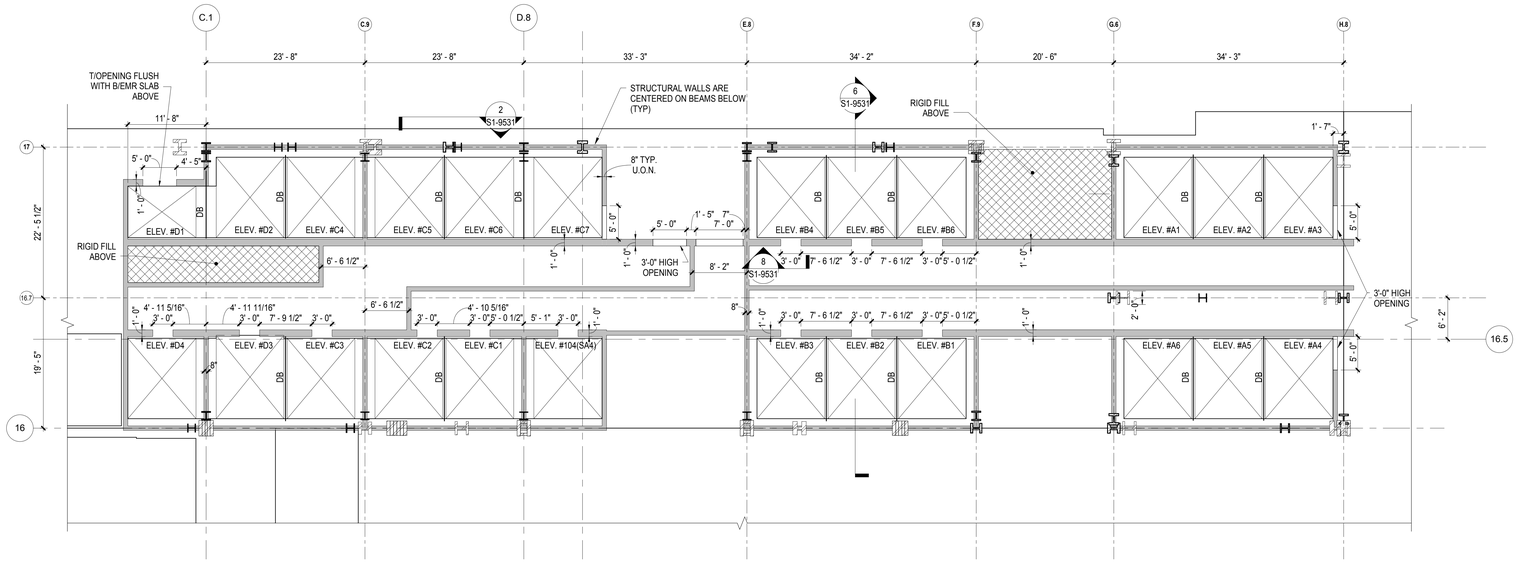
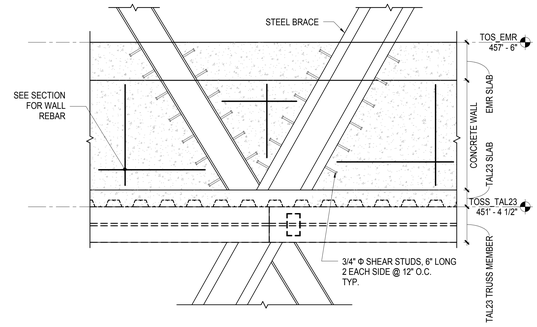
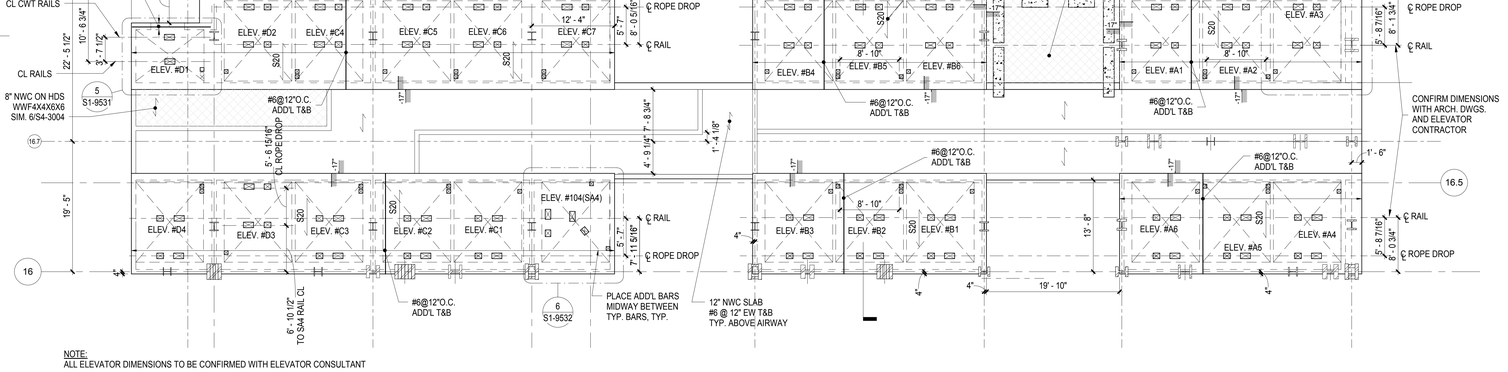


1 LEVEL 23 PART PLAN
1/8" = 1'-0"



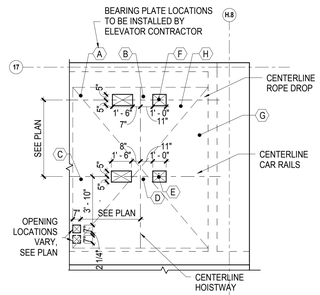
2 DETAIL AT BRACE INSIDE WALL
1/2" = 1'-0"



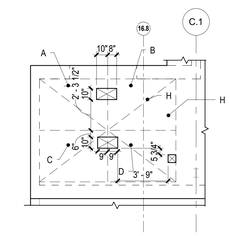
NOTE:
ALL ELEVATOR DIMENSIONS TO BE CONFIRMED WITH ELEVATOR CONSULTANT

3 LEVEL 23 ELEVATOR MACHINE ROOM PART PLAN (T/SLAB EL. 457'-6")
1/8" = 1'-0"

KEY	ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT											
	ELEV. #A1-A6		ELEV. #B1-B6		ELEV. #C1-C8		ELEV. #D1		ELEV. #D2-D3		ELEV. #SA4	
	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC	STATIC	DYNAMIC
A	5.8	8.7	8.7	13.1	8.7	13.2	9.9	15.6	6.0	9.0	5.6	8.4
B	7.8	13.1	12.1	20	12.2	20.2	14.3	24.6	8.3	13.6	7.8	12.7
C	12.4	18.7	9.4	14.2	12.4	18.9	11.3	18.0	12.6	19.1	12.6	19.2
D	17.3	28.6	13.1	21.6	17.5	29.0	16.4	28.2	17.7	29.2	16.0	29.3
E	15.3	30.5	15.3	31.5	15.7	31.4	--	--	15.7	31.5	15.4	30.8
F	13.4	26.8	13.4	26.8	13.9	27.7	--	--	13.9	27.7	13.6	27.1
G	1.6	2.1	1.6	3.1	1.6	3.1	1.5	3.0	1.6	3.1	1.5	3.1
H	1.2	2.2	1.1	2.2	1.5	3.1	1.5	3.1	1.5	3.1	1.5	3.1

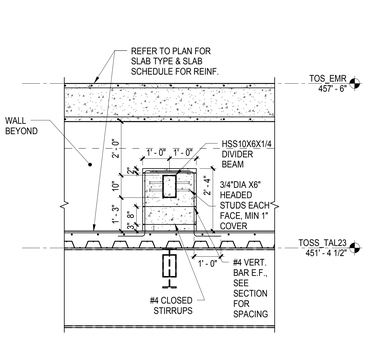


4 TYP. EMR LAYOUT (EXCEPT #D1)
1/4" = 1'-0" **ROTATED 180° AT #A4-A6, #B4-B6, #C1-C4, D3**

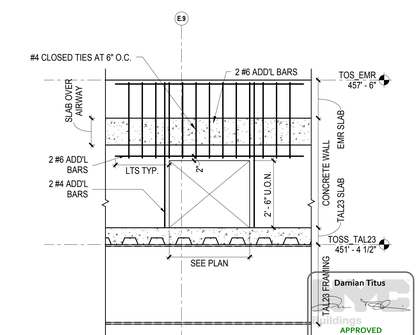


5 EMR LAYOUT AT ELEV. #D1
1/4" = 1'-0"

6 SECTION AT ELEVATOR MACHINE ROOM
3/8" = 1'-0"



7 DETAIL AT DIVIDER BEAM SUPPORT BELOW EMR SLAB
1/2" = 1'-0"



8 DETAIL AT WALL OPENING
1/2" = 1'-0"

0 4' 8' 16'

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No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number HYE -TA -S1-9531

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/9/2022
NYC Development Hub

LEVEL 23 ELEVATOR MACHINE ROOM

Drawing Number
S1-9531
B-Scan Drawing Number
S-326.00

SHEET 170 OF 443

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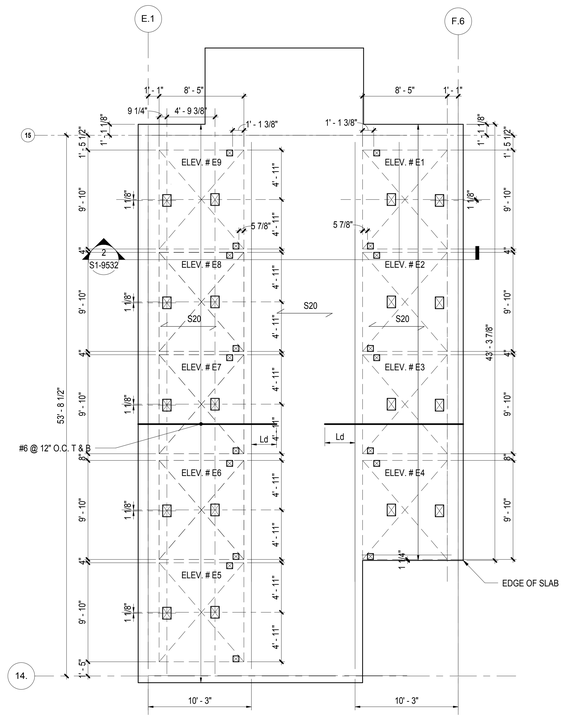
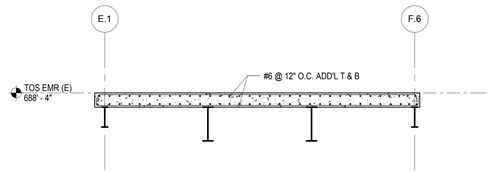


NOTE: ALL ELEVATOR DIMENSIONS TO BE CONFIRMED WITH THE ELEVATOR CONSULTANT. SEE 5/S-9532 FOR BEARING PLATE LOCATIONS.

1 LEVEL 39U ELEVATOR MACHINE ROOM (E-BANK) CONCRETE FLOOR FRAMING PART PLAN

3/16" = 1'-0"

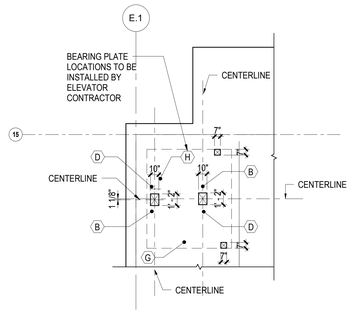
ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	ELEV. # E1-E9	
	DYNAMIC	STATIC
A	18,012	10,496
B	14,749	8,128
C	18,012	10,496
D	14,749	8,128
E	--------	--------
F	--------	--------
G	3,707	1,854
H	3,707	1,854



NOTE: DIVIDER BEAMS NOT SHOWN FOR CLARITY

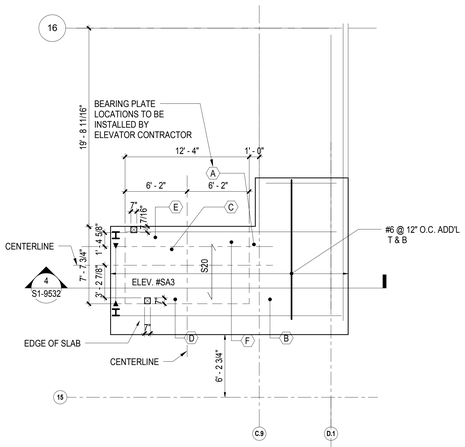
2 SECTION VIEW

3/16" = 1'-0"



5 TYP. EMR LAYOUT FOR E-BANK

3/16" = 1'-0"

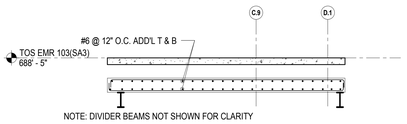


NOTE: ALL ELEVATOR DIMENSIONS TO BE CONFIRMED WITH THE ELEVATOR CONSULTANT

3 LEVEL 39U ELEVATOR MACHINE ROOM 103 (SA3) CONCRETE FLOOR FRAMING PART PLAN

3/16" = 1'-0"

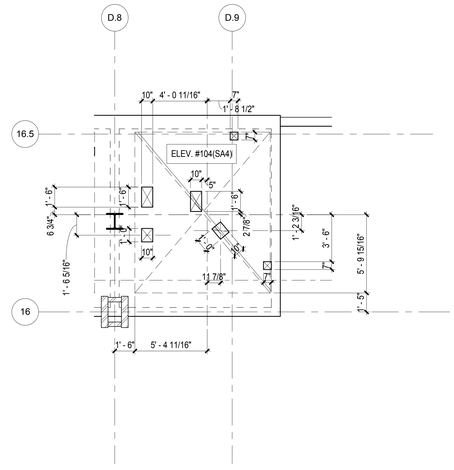
ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	ELEV. # 103(SA3)	
	DYNAMIC	STATIC
A	7,617	5,288
B	11,238	7,099
C	16,028	10,978
D	23,883	14,906
E	26,581	13,291
F	24,513	12,257
G	3,383	1,692
H	3,418	1,709



NOTE: DIVIDER BEAMS NOT SHOWN FOR CLARITY

4 SECTION VIEW

3/16" = 1'-0"



ALL REACTIONS ARE INDICATED IN KIPS AND LIVE LOADS ARE DOUBLED FOR IMPACT		
KEY	ELEV. # 104(SA4)	
	DYNAMIC	STATIC
A	12,800	8,400
B	19,500	11,800
C	14,850	9,800
D	22,750	13,750
E	31,500	15,700
F	28,000	14,000
G	3,200	--------

6 EMR LAYOUT FOR 104(SA4) LEVEL 23

1/4" = 1'-0"

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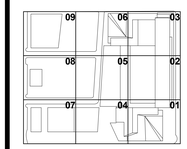
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By Author
Sheet Number

HYE -TA -S1-9532

Drawing Title

LEVEL 39U ELEVATOR MACHINE ROOM

Drawing Number
S1-9532
B-Scan Drawing Number
S-327.00

SHEET 171 OF 443

Damian Titus
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/9/2017
NYC Development Hub

0 4' 8' 16'

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LEVEL 39U ELEVATOR MACHINE ROOM
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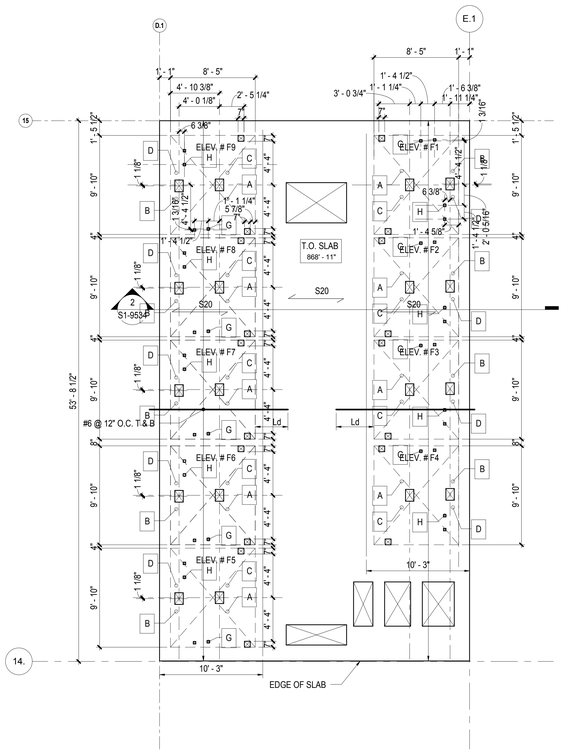
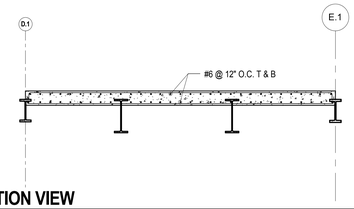


ELV F1-F9 MACHINE REACTIONS (INCLUDING IMPACT) IN KIPS		
KEY	LOADS	
	STATIC	DYNAMIC
A	10.79	18.60
B	8.42	15.34
C	10.79	18.60
D	8.42	15.34
G	1.85	3.71
H	1.85	3.71

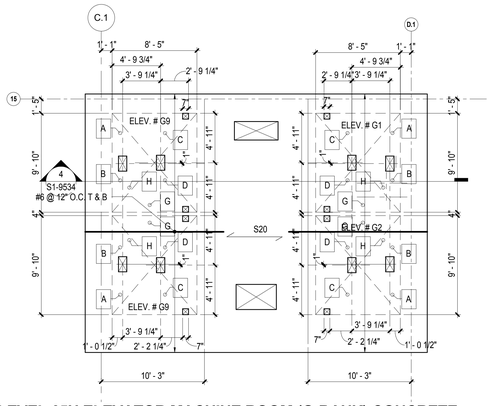
1 LEVEL 52 ELEVATOR MACHINE ROOM (F-BANK) CONCRETE FLOOR FRAMING PART PLAN

3/16" = 1'-0"



2 SECTION VIEW

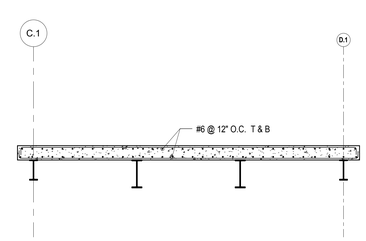
3/16" = 1'-0"



ELV G1-G2 & G8-G9 MACHINE REACTIONS (INCLUDING IMPACT) IN KIPS		
KEY	LOADS	
	STATIC	DYNAMIC
A	10.25	16.52
B	15.13	26.28
C	12.49	20.17
D	18.47	32.13
G	1.72	3.43
H	1.72	3.43

3 LEVEL 65U ELEVATOR MACHINE ROOM (G-BANK) CONCRETE FLOOR FRAMING PART PLAN

3/16" = 1'-0"



4 SECTION VIEW

3/16" = 1'-0"

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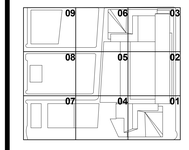
No.	Description	Date
1	D.O.B. AMENDMENT #2	10/15/2016

Key Plan



Issue Date: 10/15/2016
Project No. N11328.00
Drawn By: Author
Sheet Number

HYE -TA -S1-9534

Drawing Title

LEVEL 52 AND 65 ELEVATOR MACHINE ROOM

Drawing Number
S1-9534
B-Scan Drawing Number
S-328.00

SHEET 172 OF 443

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 4' 8' 16'

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LEVEL 52 AND 65 ELEVATOR MACHINE ROOM
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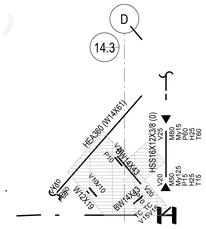
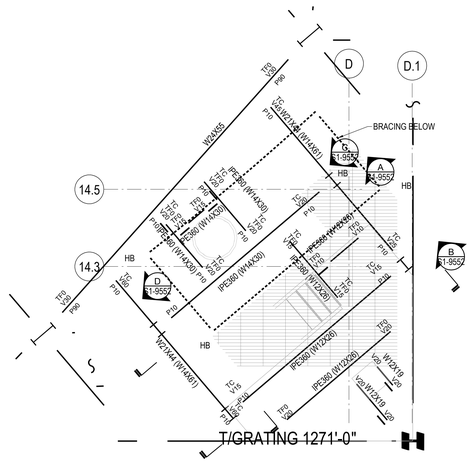
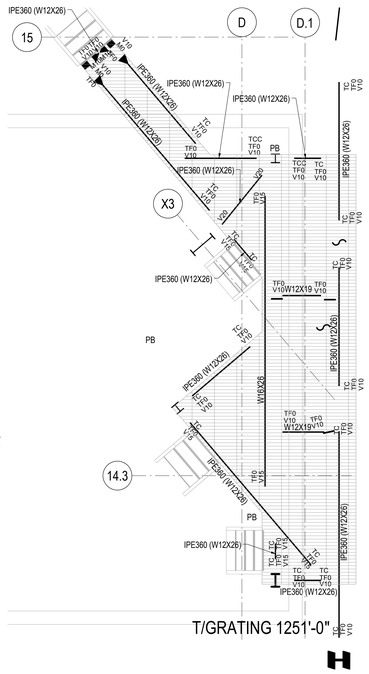
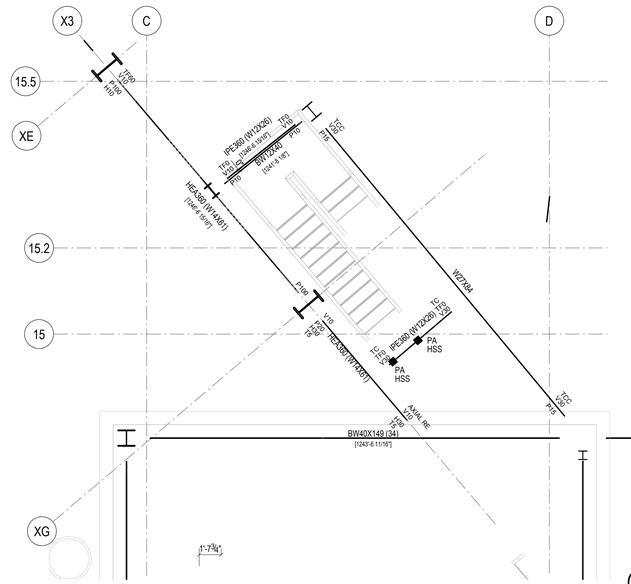


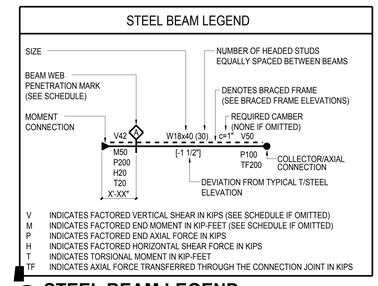


T/GRATING 1271'-0"



T/GRATING 1251'-0"





STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 0' UON THUS:
   X' — X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 0' UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP — INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING

6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

1 STAIR SUPPORT PLAN T/STEEL 1284'-4"
¼"=1'-0"
T/GRATING 1284'-6"

2 STAIR SUPPORT PLAN T/STEEL 1270'-10"
¼"=1'-0"

3 STAIR SUPPORT PLAN T/STEEL 1250'-10"
¼"=1'-0"

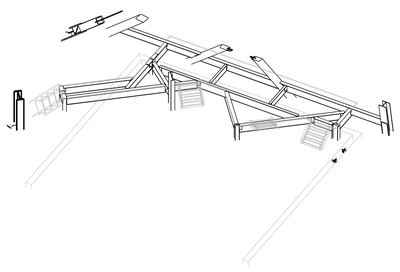
NOTE: STAIR AND STAIR LANDING BY OTHERS

4 STAIR SUPPORT PLAN T/STEEL 1246'-8"
¼"=1'-0"

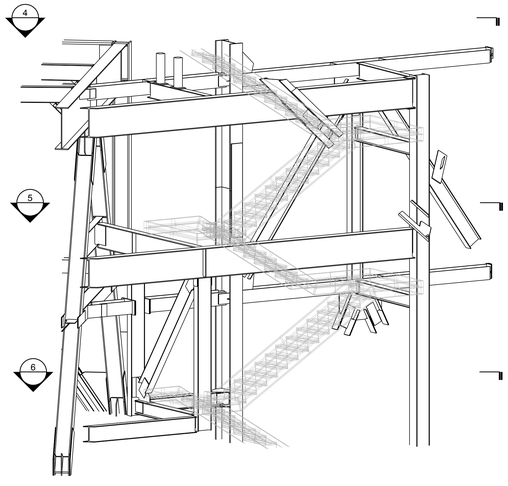
5 STAIR SUPPORT PLAN T/STEEL 1235'-4 1/8"
¼"=1'-0"
NOTE: STAIR AND LANDING BY OTHERS

6 STAIR SUPPORT PLAN T/STEEL 1222'-8 1/16"
¼"=1'-0"
NOTE: STAIR AND LANDING BY OTHERS

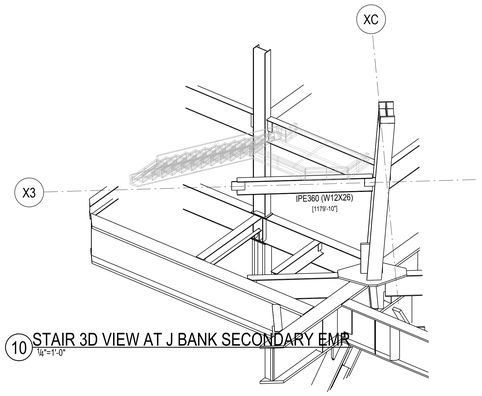
7 STAIR 3D VIEW OF PLANS 1 &2
¼"=1'-0"



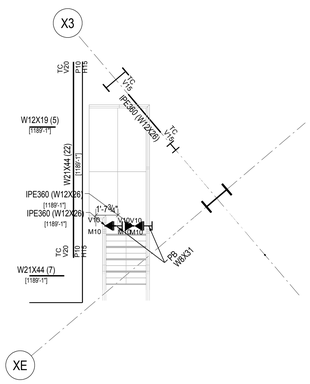
8 STAIR 3D VIEW OF PLAN 3
¼"=1'-0"



9 STAIR 3D VIEW OF PLAN 4, 5 AND 6
¼"=1'-0"



10 STAIR 3D VIEW AT J BANK SECONDARY EMR
¼"=1'-0"



11 J BANK EMR STAIR SUPPORT PLAN T/STEEL 1189'-1"
¼"=1'-0"

Damian Titus
Buildings
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Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
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0 4' 8' 16'

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No.	Description	Date
1	D.O.B AMENDMENT #2	10/15/2016

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 10/15/2016
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — 032388 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-9551
Drawing Title

CROWN SOUTHEAST STAIR SUPPORT PLANS

Drawing Number
S1-9551
B-Scan Drawing Number

S-329.00
SHEET 173 OF 443

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GENERAL BRACED FRAME NOTES:

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   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:

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   200 KIPS @ FLOORS 1-25

4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

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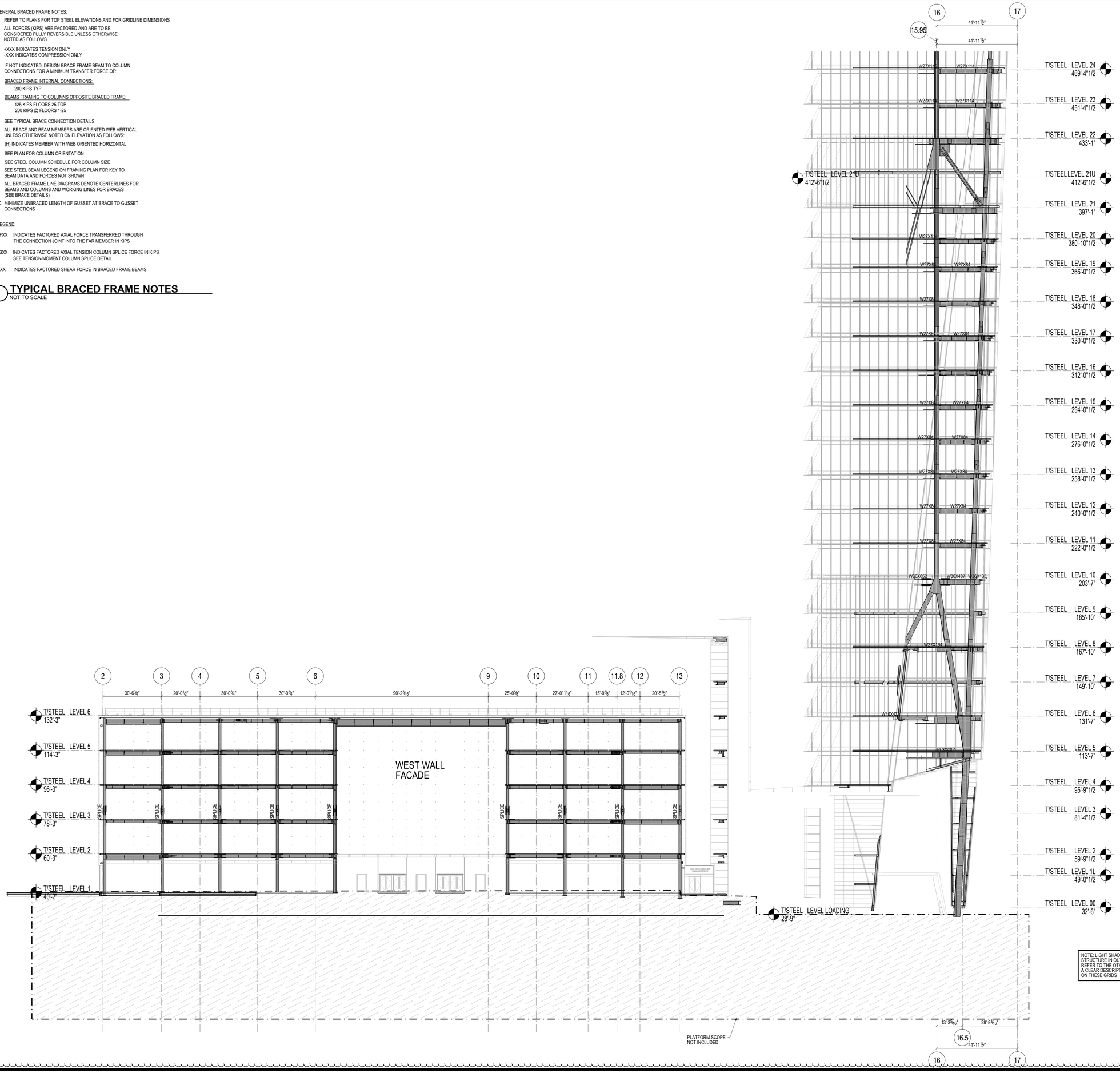
TYPICAL BRACED FRAME NOTES

NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Adrian Titus

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AMENDED APPLICATION
Date: 05/05/2017
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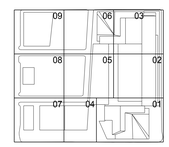
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2001

Drawing Title

ELEVATION AT GRID A-A BELOW 22ND FLOOR

Drawing Number
S2-2001
B-Scan Drawing Number
S-330.01

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GENERAL BRACED FRAME NOTES:

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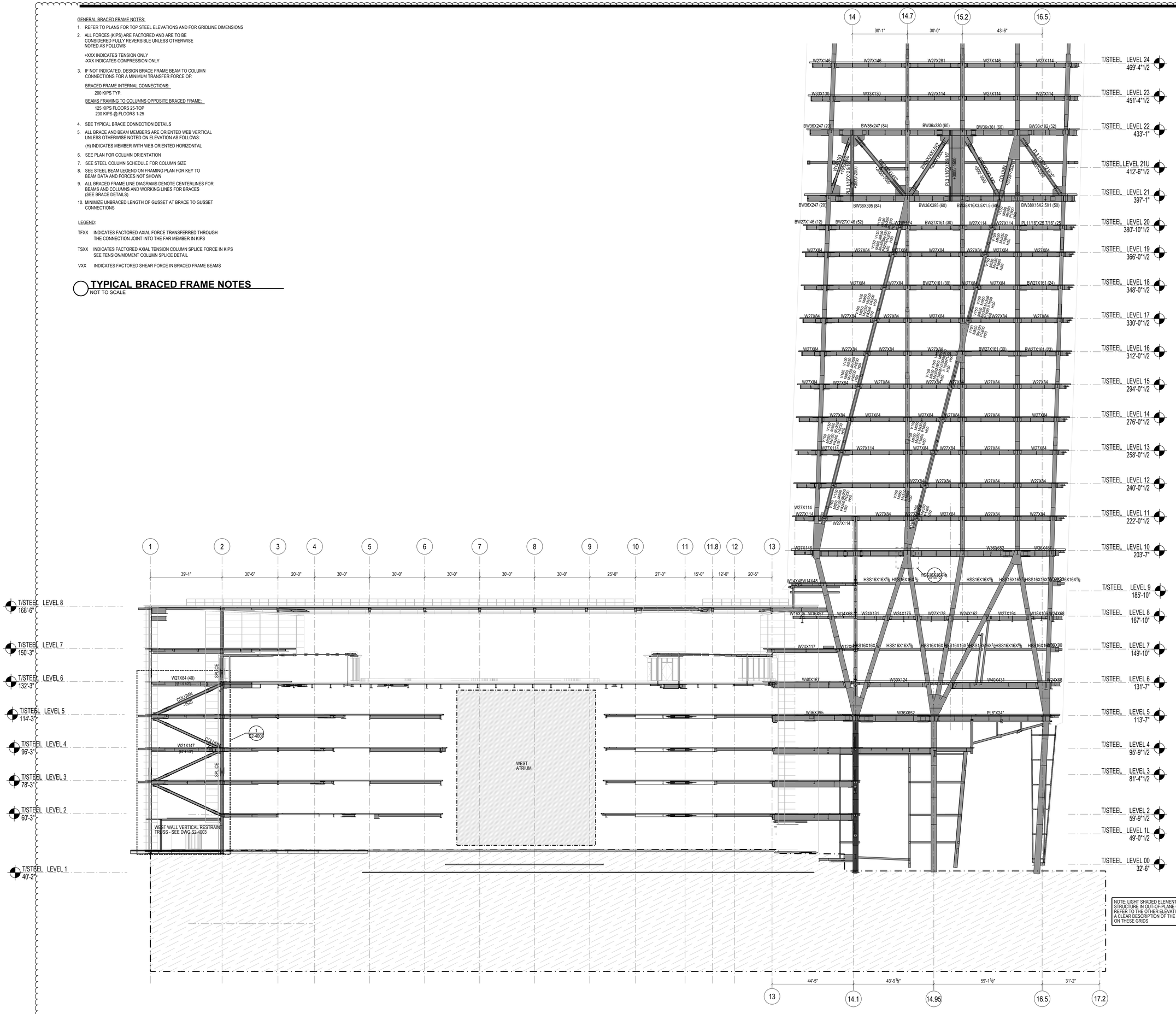
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Damian Titus
Buildings
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Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

CERTIFICATE #14001739725 BIN Number Boro Code

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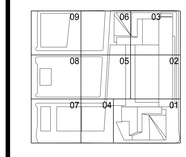
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DEPARTMENT OF BUILDINGS — PROFESSIONAL ENGINEER

HYE-TA-S2-2002
Drawing Title

ELEVATION AT GRID A BELOW 22ND FLOOR

Drawing Number
S2-2002
X-Scan Drawing Number
S-331.01

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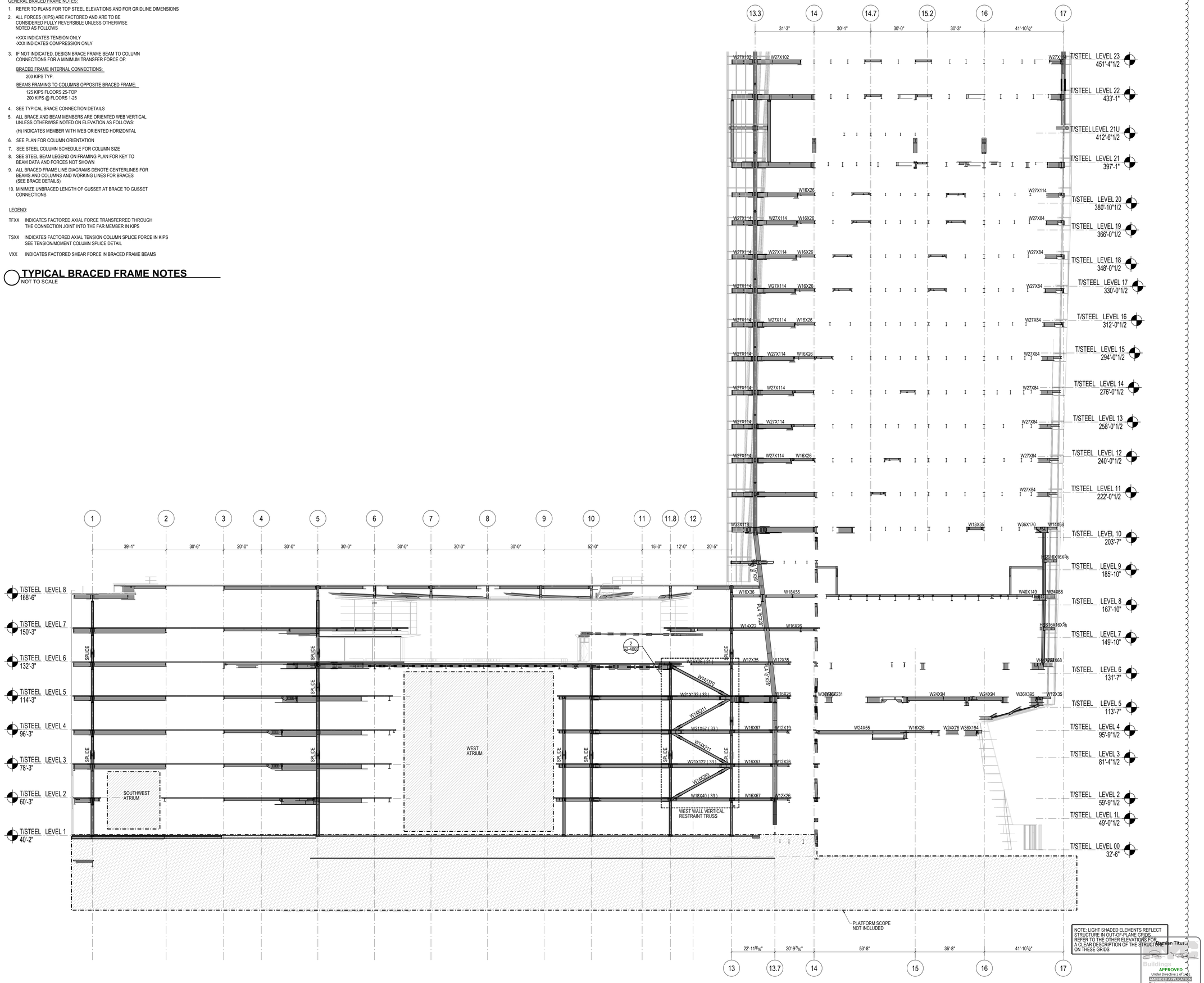
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Damian Titus
Buildings
APPROVED
Under Directive 2 of 1968
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

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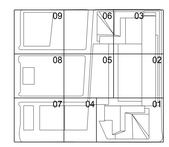
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2003
Drawing Title

ELEVATION AT GRID A.5 BELOW 22ND FLOOR

Drawing Number
S2-2003
B-Scan Drawing Number
S-332.01

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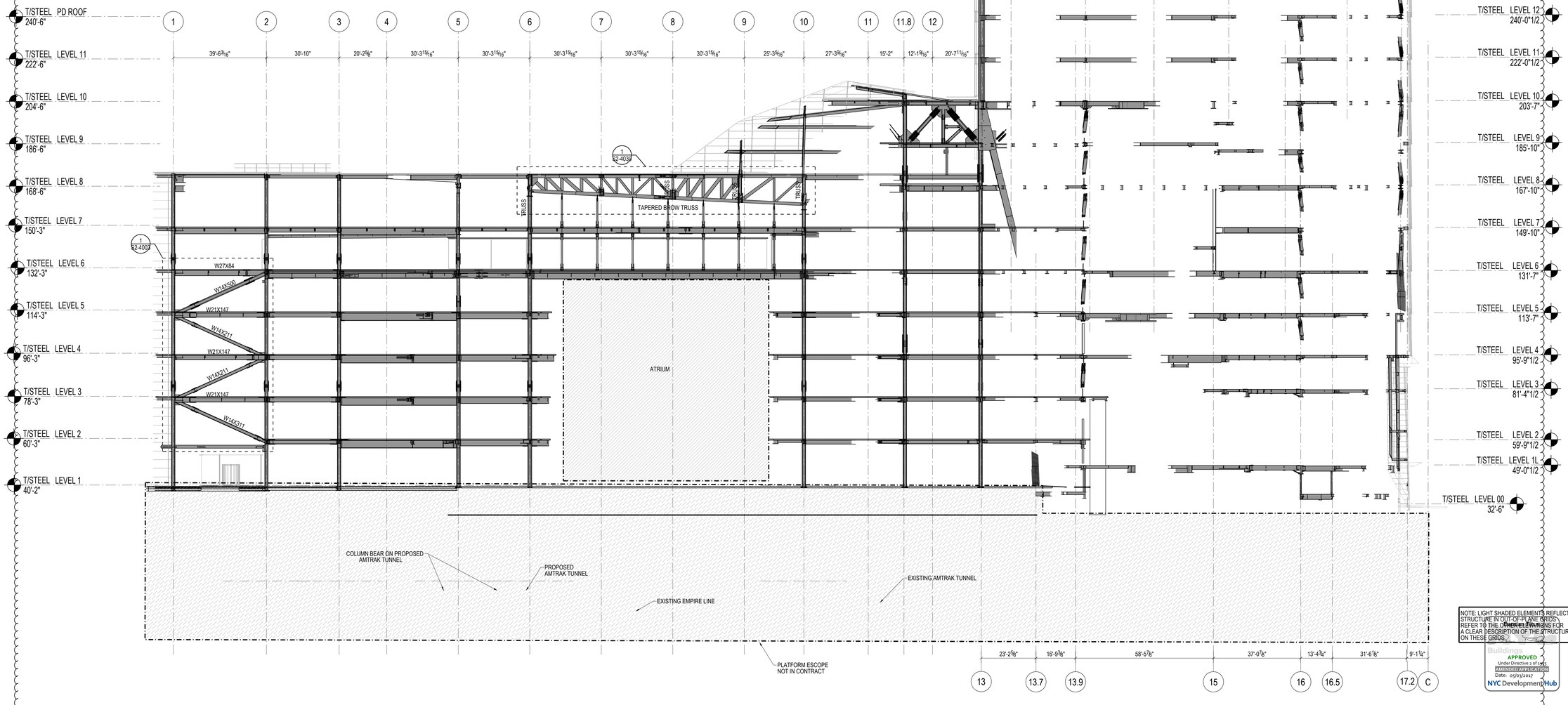

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Building Information System
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2015
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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Retail Interior Design & Planning
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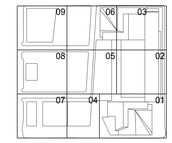
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2004
Drawing Title

ELEVATION AT GRID A.8 BELOW 22ND FLOOR

Drawing Number
S2-2004
Kohn Drawing Number
S-333.01

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GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
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   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY

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   BRACED FRAME INTERNAL CONNECTIONS:
   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25

4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL

6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

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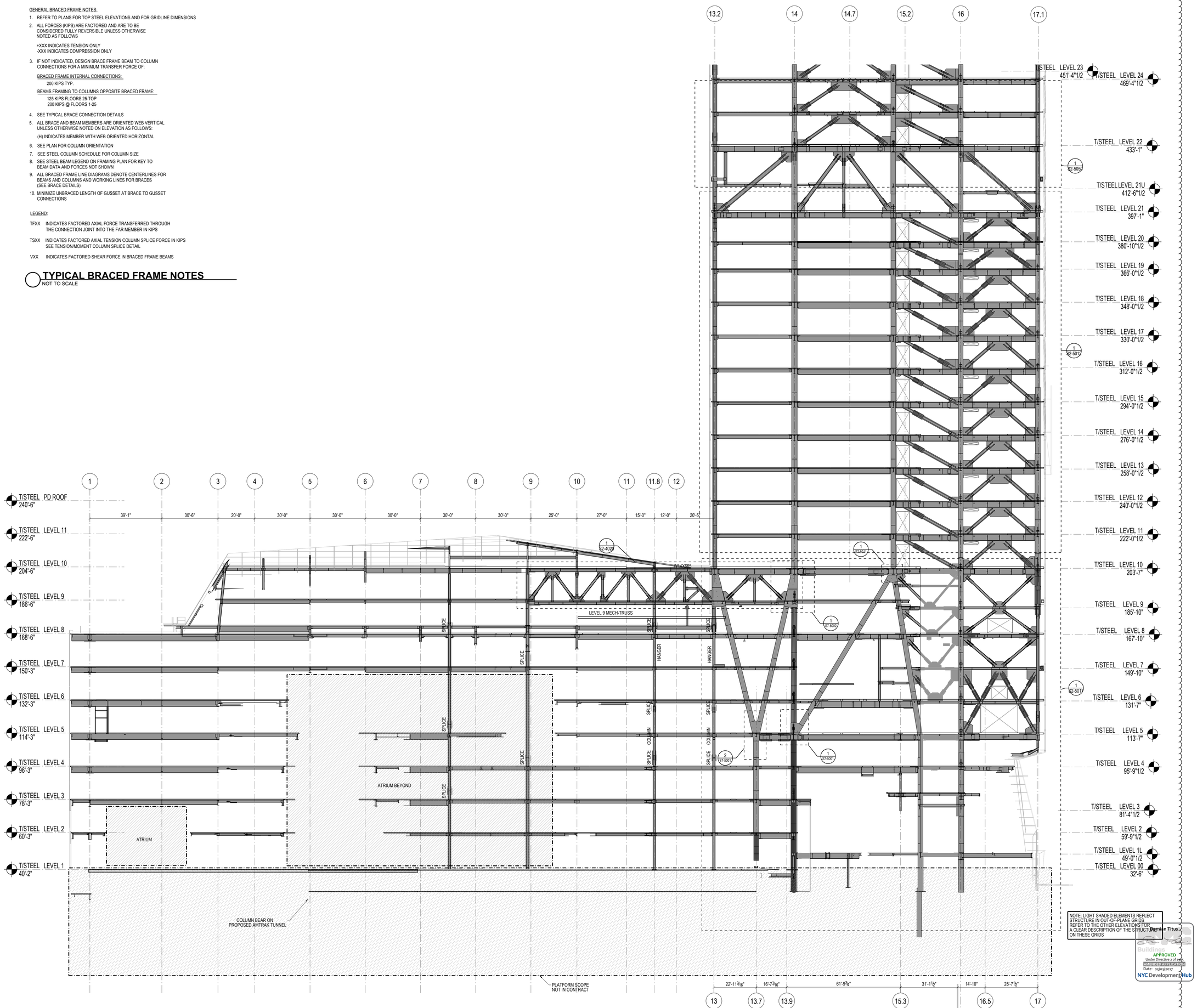
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS. REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Permian Titus

APPROVED
Under Directive 2 of 1968
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Job Number
Sheet Number

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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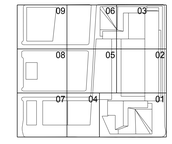
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK
JOSEPH J. COLOTTI
028 LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2005

Drawing Title

ELEVATION AT GRID B BELOW 22ND FLOOR

Drawing Number
S2-2005
X-Scan Drawing Number
S-334.01

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GENERAL BRACED FRAME NOTES:

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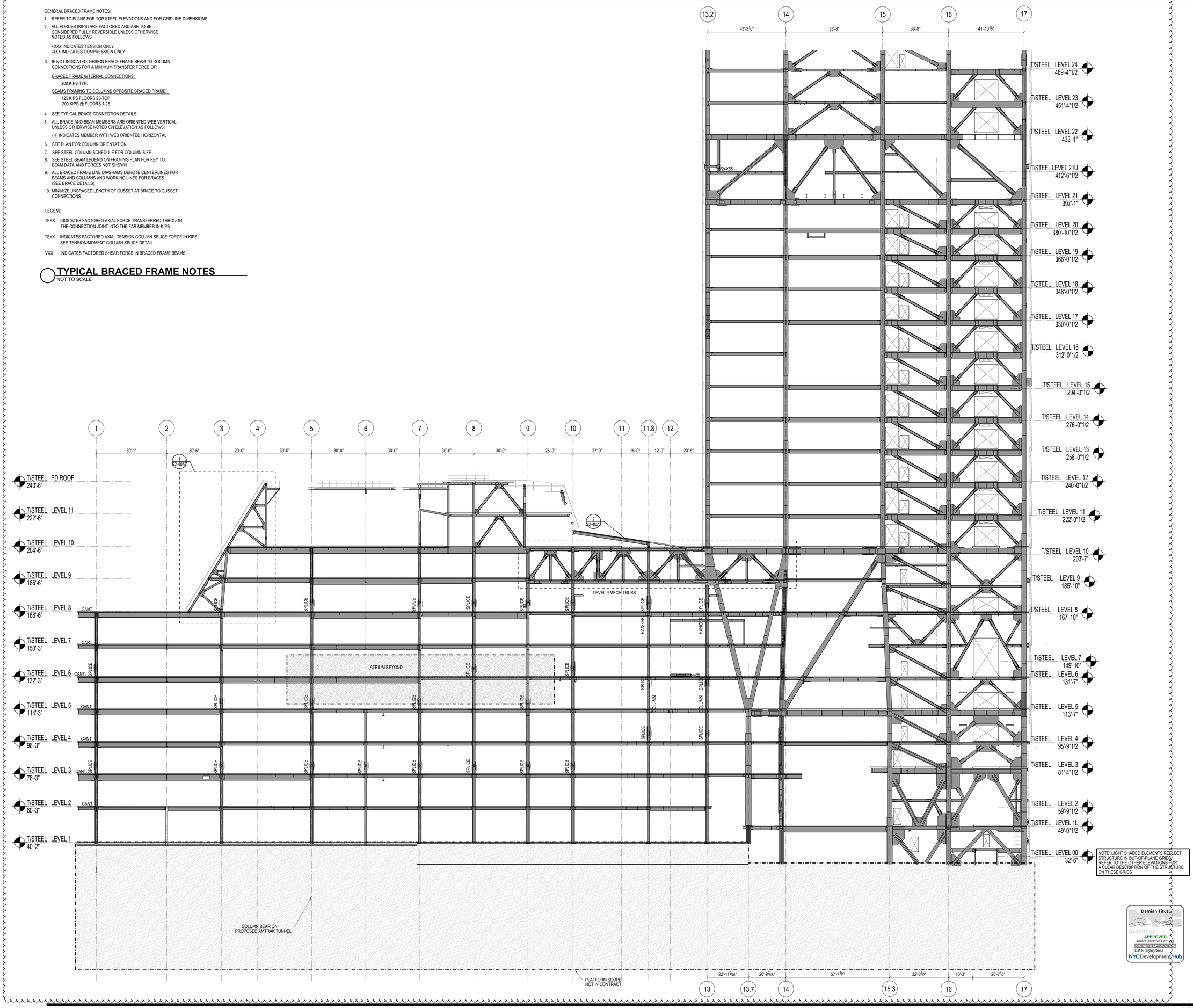
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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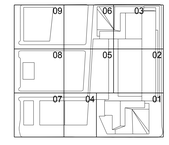
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S2-2006
Drawing Title

ELEVATION AT GRID C BELOW 22ND FLOOR

Drawing Number
S2-2006
X-Scan Drawing Number
S-335.01

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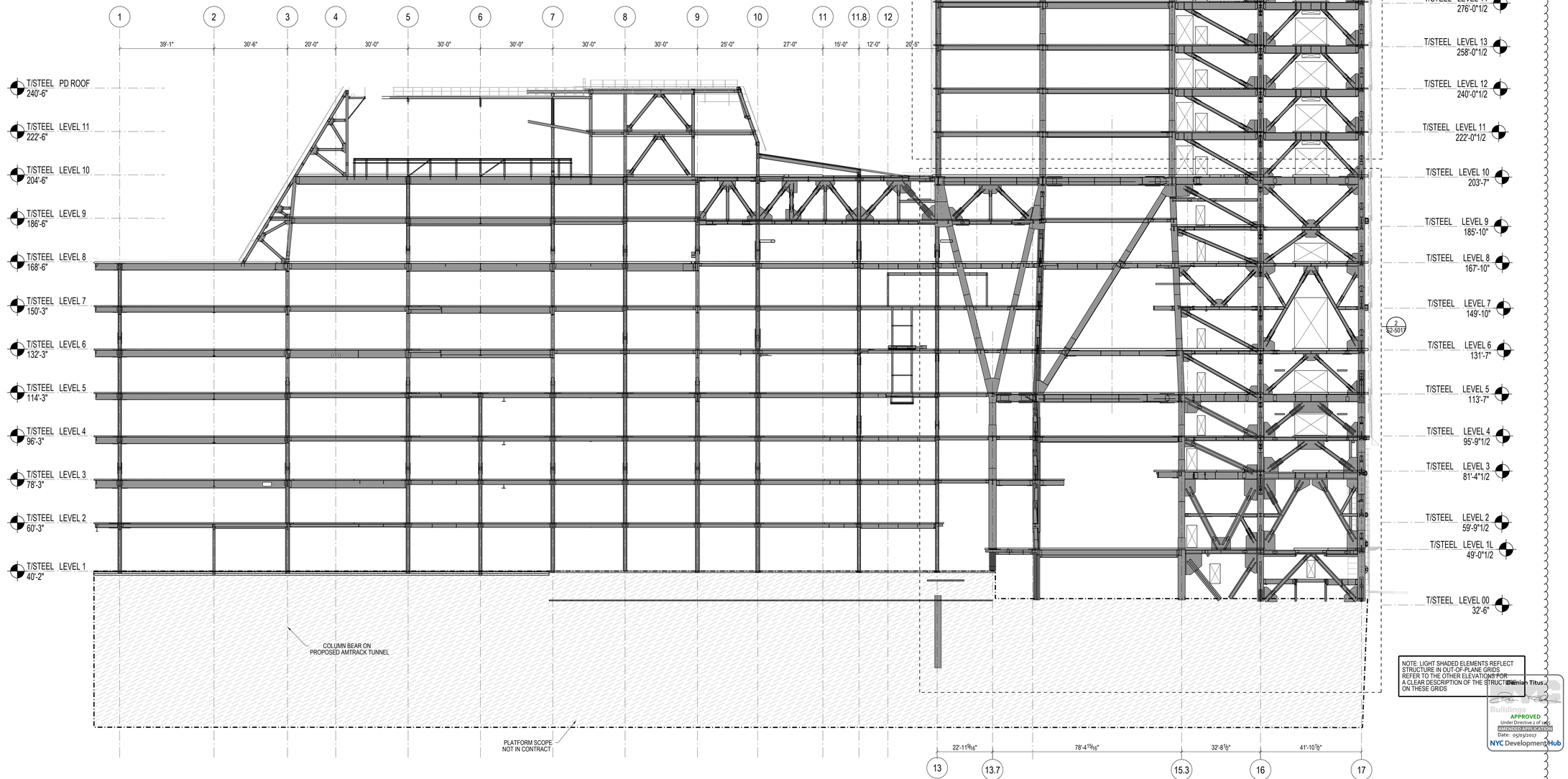
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Damian Titus
APPROVED
Under Directive 2 of 1975
ACTION OF DEPARTMENT
Date 09/19/2017
NYC Development Hub

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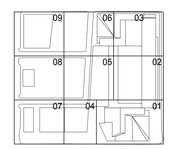
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2007
Drawing Title

ELEVATION AT GRID C.1 BELOW 22ND FLOOR

Drawing Number
S2-2007
Sheet Drawing Number
S-336.01

SHEET 181 OF 443

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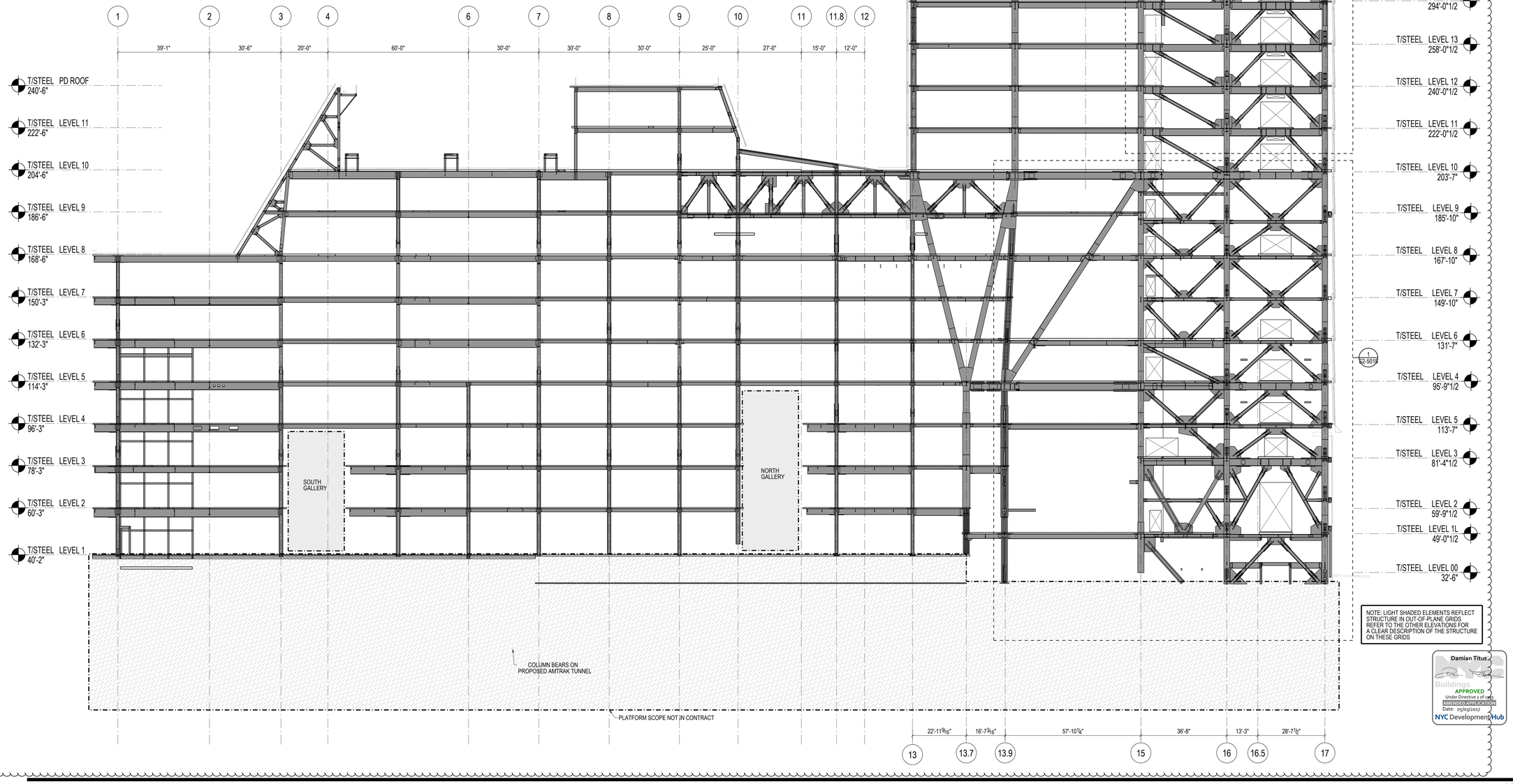
NOT TO SCALE



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Damian Titus
Buildings
APPROVED
Under Directive 1 of 1968
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

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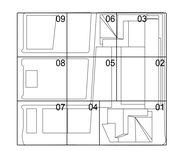
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK DAMIAN TITUS 028 LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2008
Drawing Title

ELEVATION AT GRID C.9 BELOW 22ND FLOOR

Drawing Number
S2-2008
B-Scan Drawing Number
S-337.01

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Control Number 331895021 Job Number
E3209711209 Sheet Number

GENERAL BRACED FRAME NOTES:

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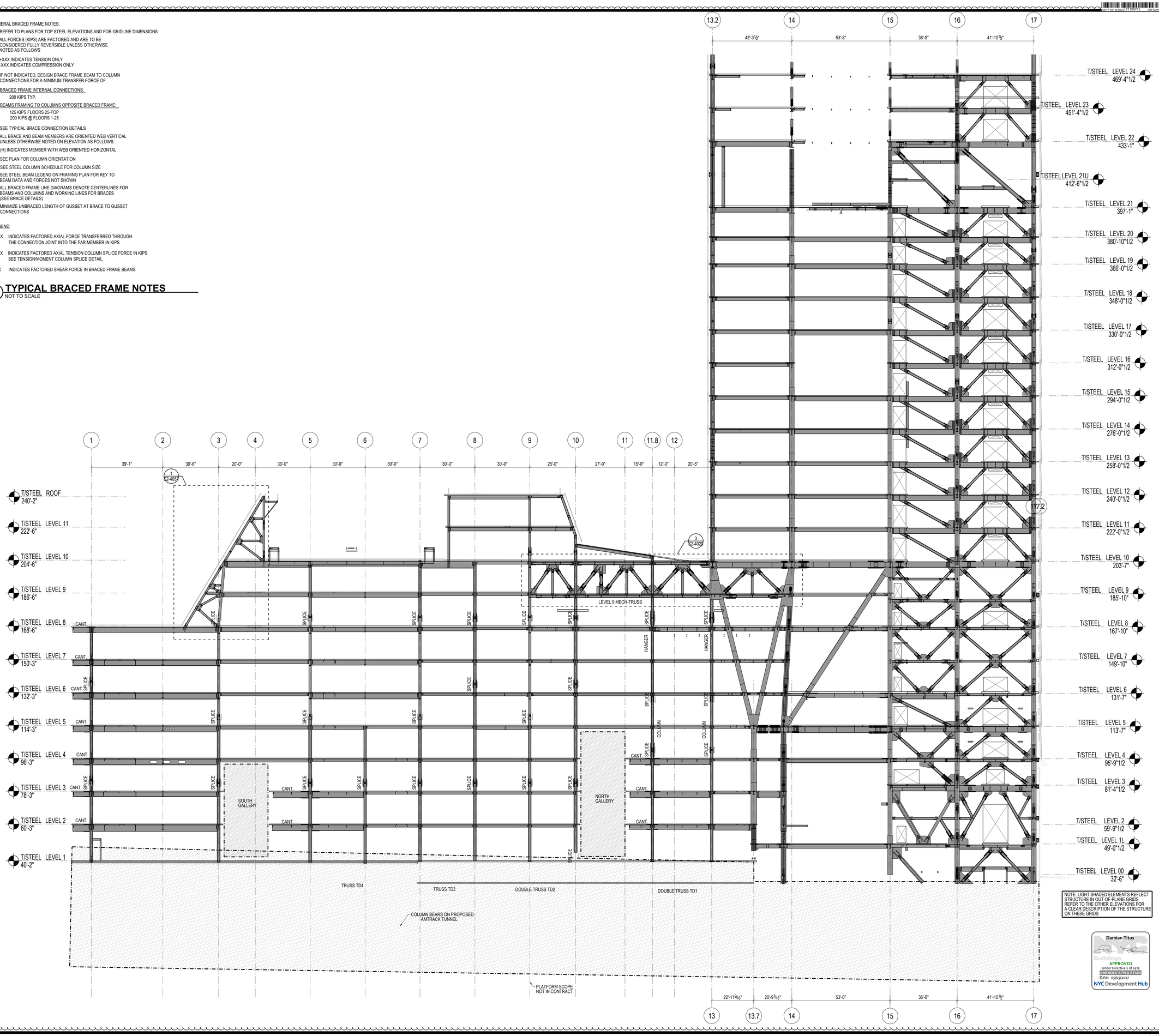

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Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

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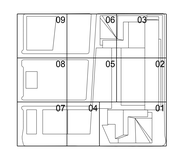

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — 035888 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2009

Drawing Title

ELEVATION AT GRID D BELOW 22ND FLOOR

Drawing Number
S2-2009
X-Scan Drawing Number
S-338.01

SHEET 183 OF 443

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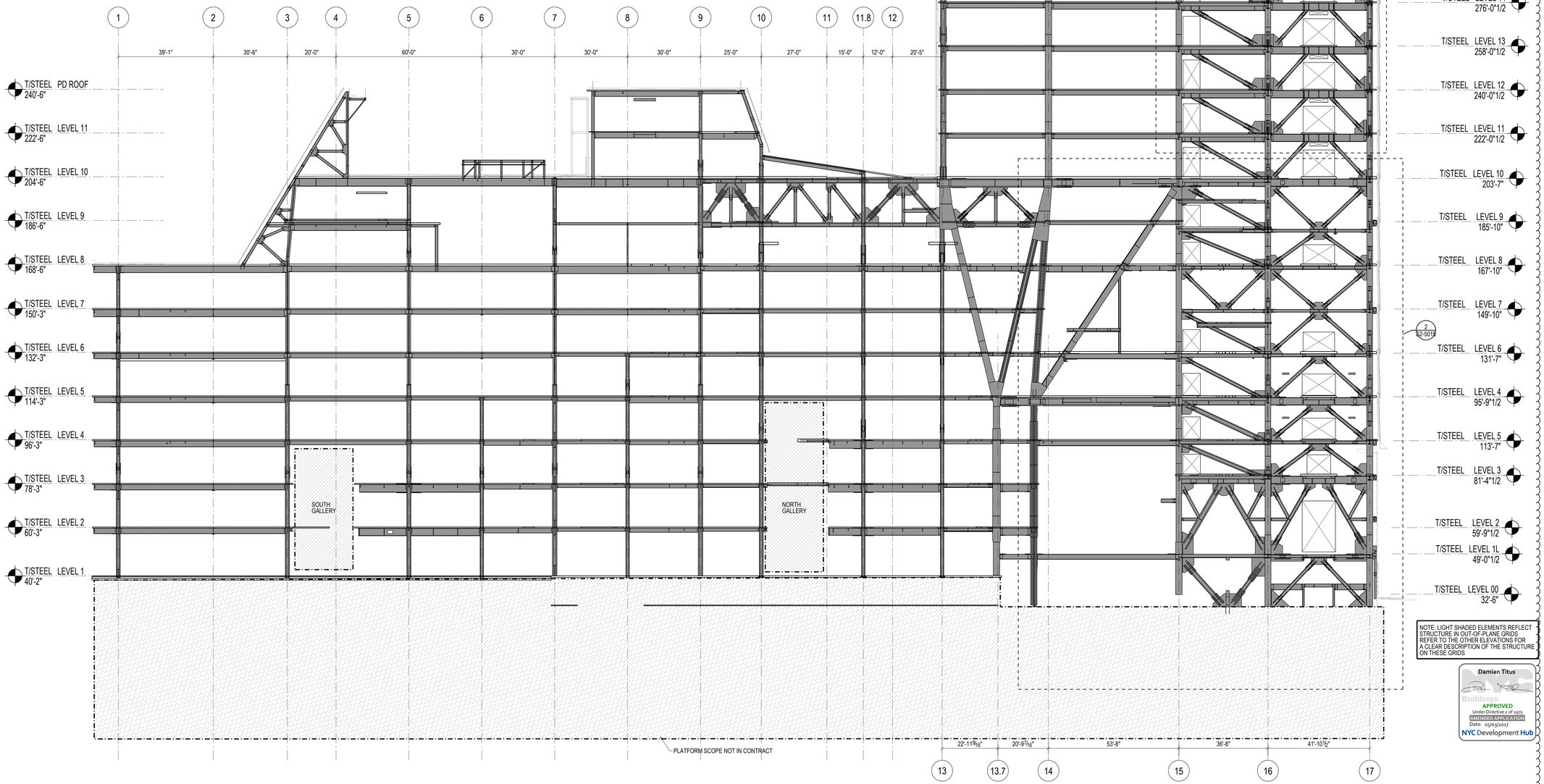
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
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TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2010
Drawing Title

ELEVATION AT GRID D.8 BELOW 22ND FLOOR

Drawing Number
S2-2010
Revision Drawing Number
S-339.01

SHEET 184 OF 443

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GENERAL BRACED FRAME NOTES:

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2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   XXX INDICATES TENSION ONLY
   XXX INDICATES COMPRESSION ONLY
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   BRACED FRAME INTERNAL CONNECTIONS:
   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
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   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
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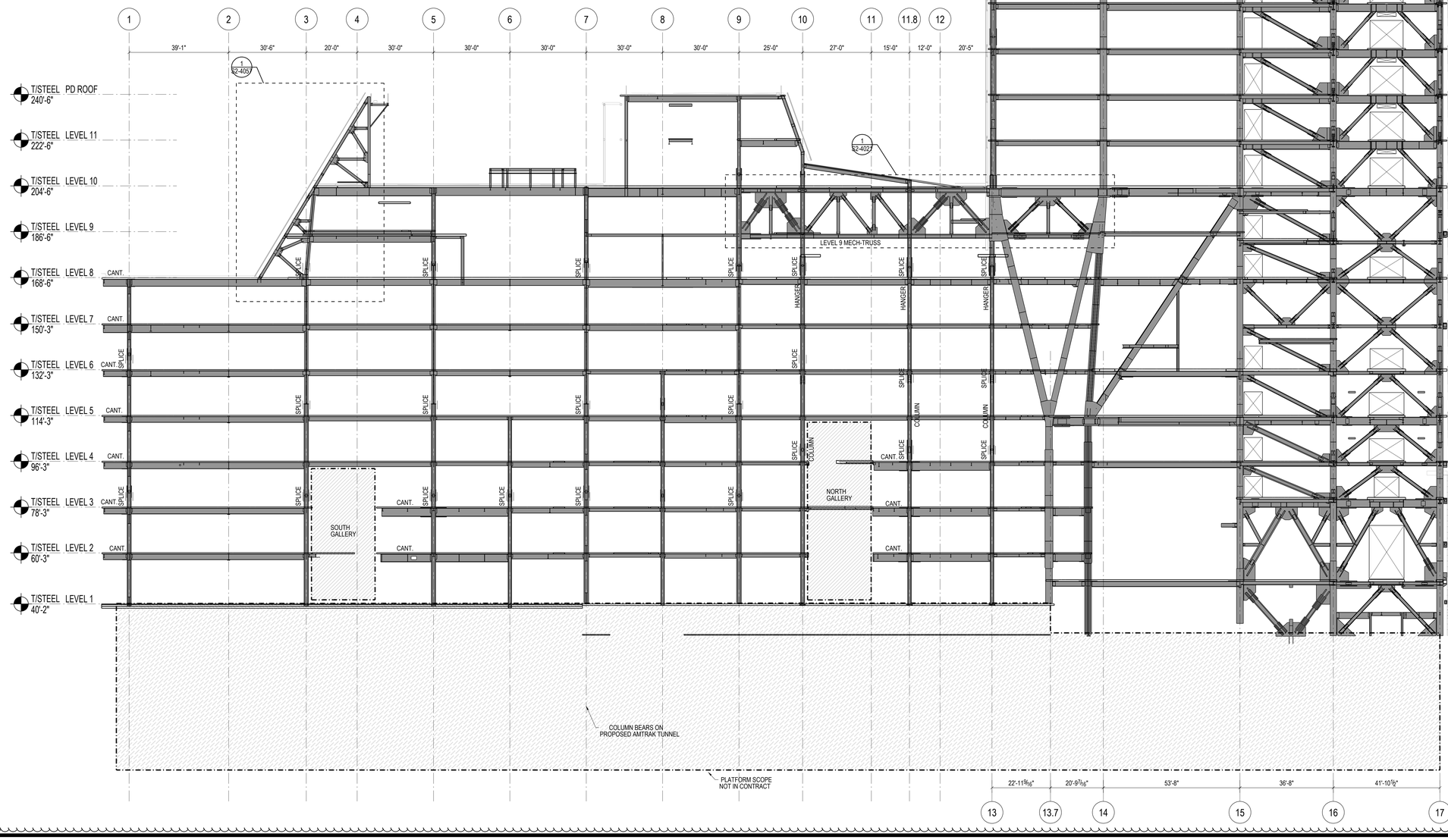
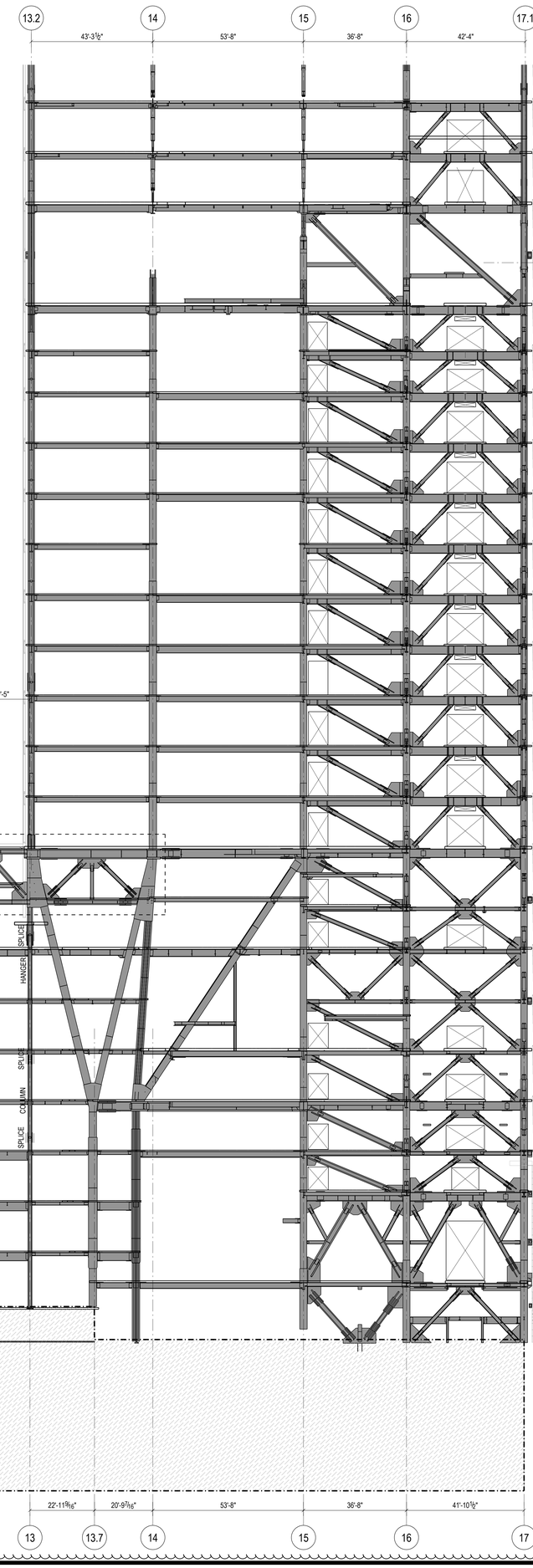
NOT TO SCALE





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Damian Titus
OTHER DWELL
NYC Development Hub

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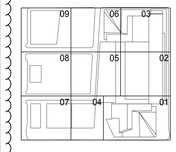
2	D.O.B AMENDMENT #2 — 10/15/2016
1	D.O.B BUILDING PERMIT FILING — 12/10/2014
	Description — Date

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2011

Drawing Title

ELEVATION AT GRID E BELOW 22ND FLOOR

Project Number
S2-2011
Sheet Drawing Number
S-340.01

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GENERAL BRACED FRAME NOTES:

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5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

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7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
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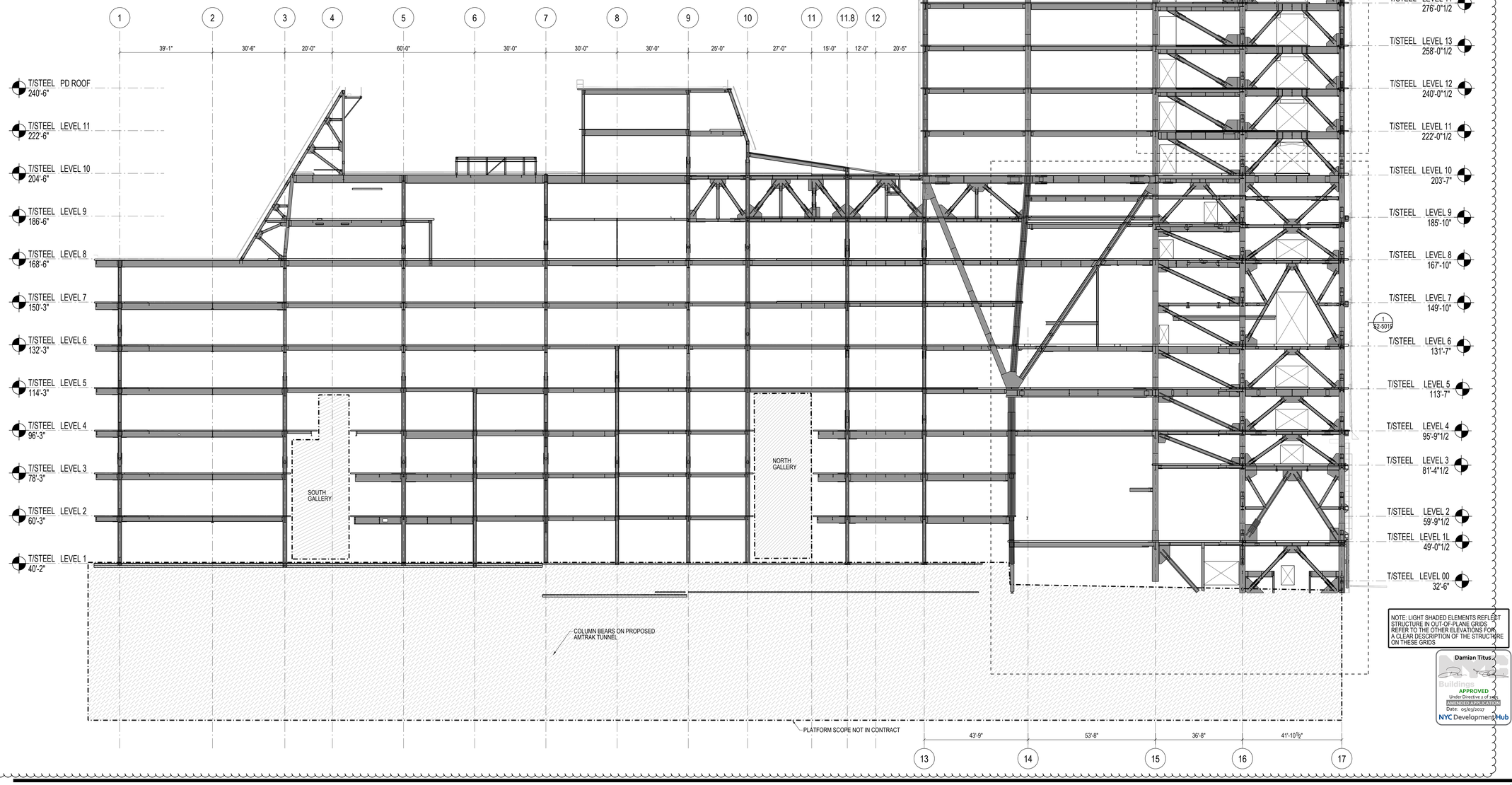
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
MEMO/APPLICATION
Date: 05/03/2017
NYC Development Hub

CERTIFICATE NUMBER: 2015062301 — BIN Number
13.3370.0.456 — Block Code

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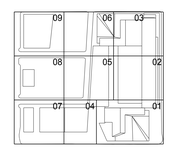
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2012
Drawing Title

ELEVATION AT GRID E.8 BELOW 22ND FLOOR

Drawing Number
S2-2012
K-Keel Drawing Number
S-341.01

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LEGEND:

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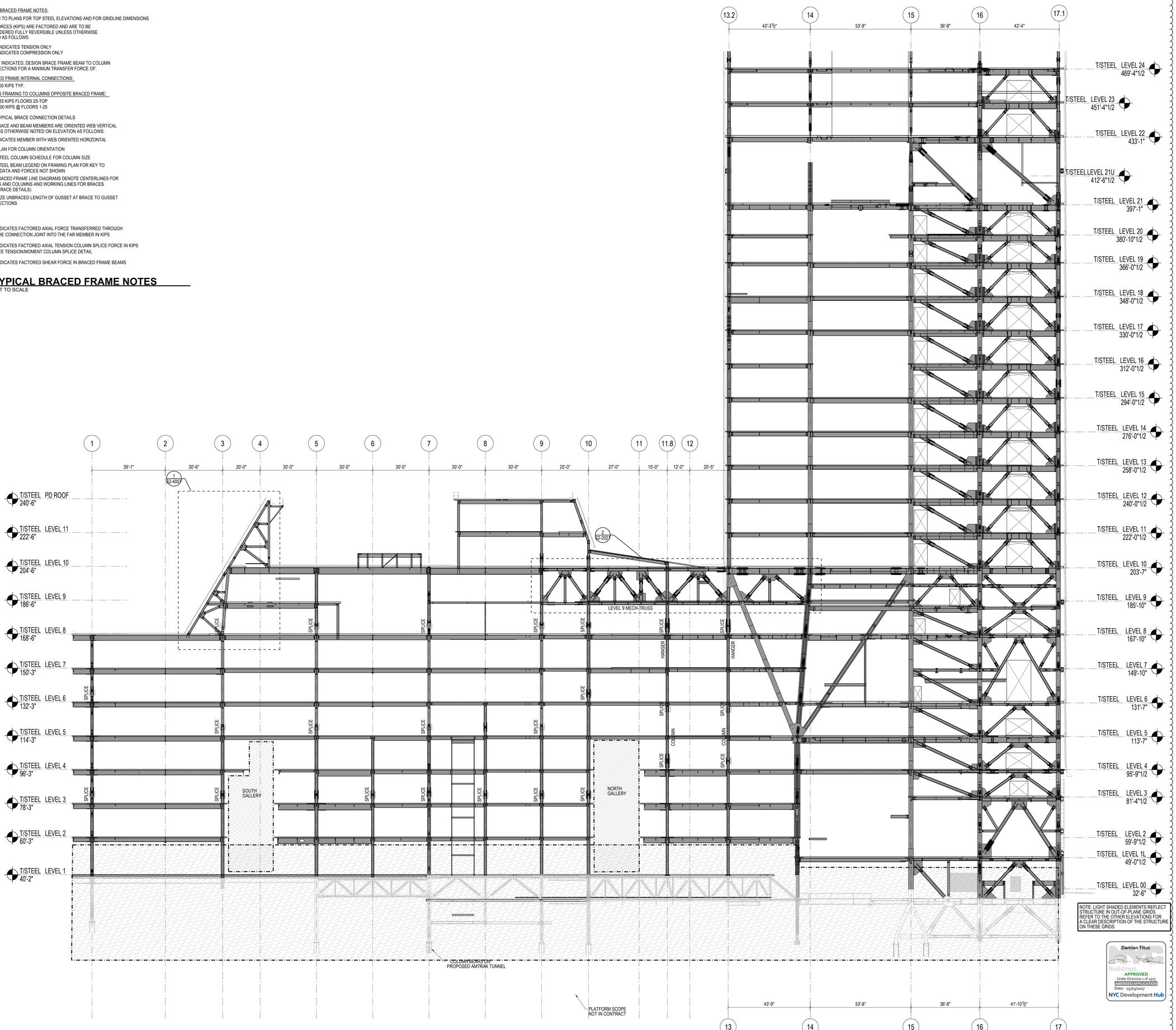
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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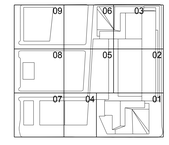
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — MICHAEL J. DOOLEY — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2013
Drawing Title

ELEVATION AT GRID F BELOW 22ND FLOOR

Drawing Number
S2-2013
As Sent Drawing Number
S-342.01

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GENERAL BRACED FRAME NOTES:

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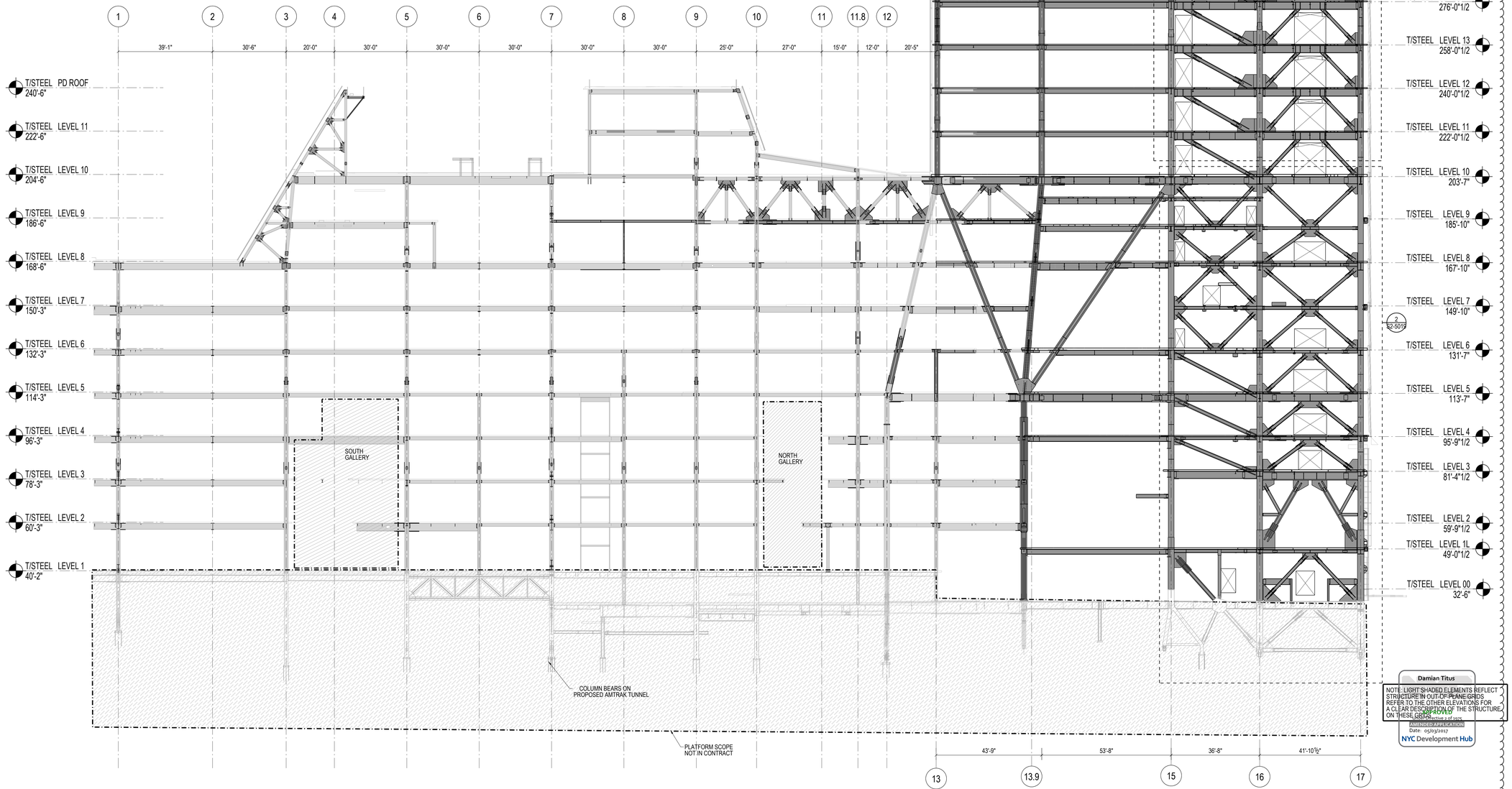
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Damian Titus
DOB APPROVED
Date: 05/03/2017
NYC Development Hub

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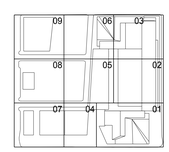
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DANIEL J. SOLIN — LICENSED ARCHITECT

HYE-TA-S2-2014
Drawing Title

ELEVATION AT GRID F.9 BELOW LEVEL 22

Drawing Number
S2-2014
N-Scan Drawing Number
S-343.01

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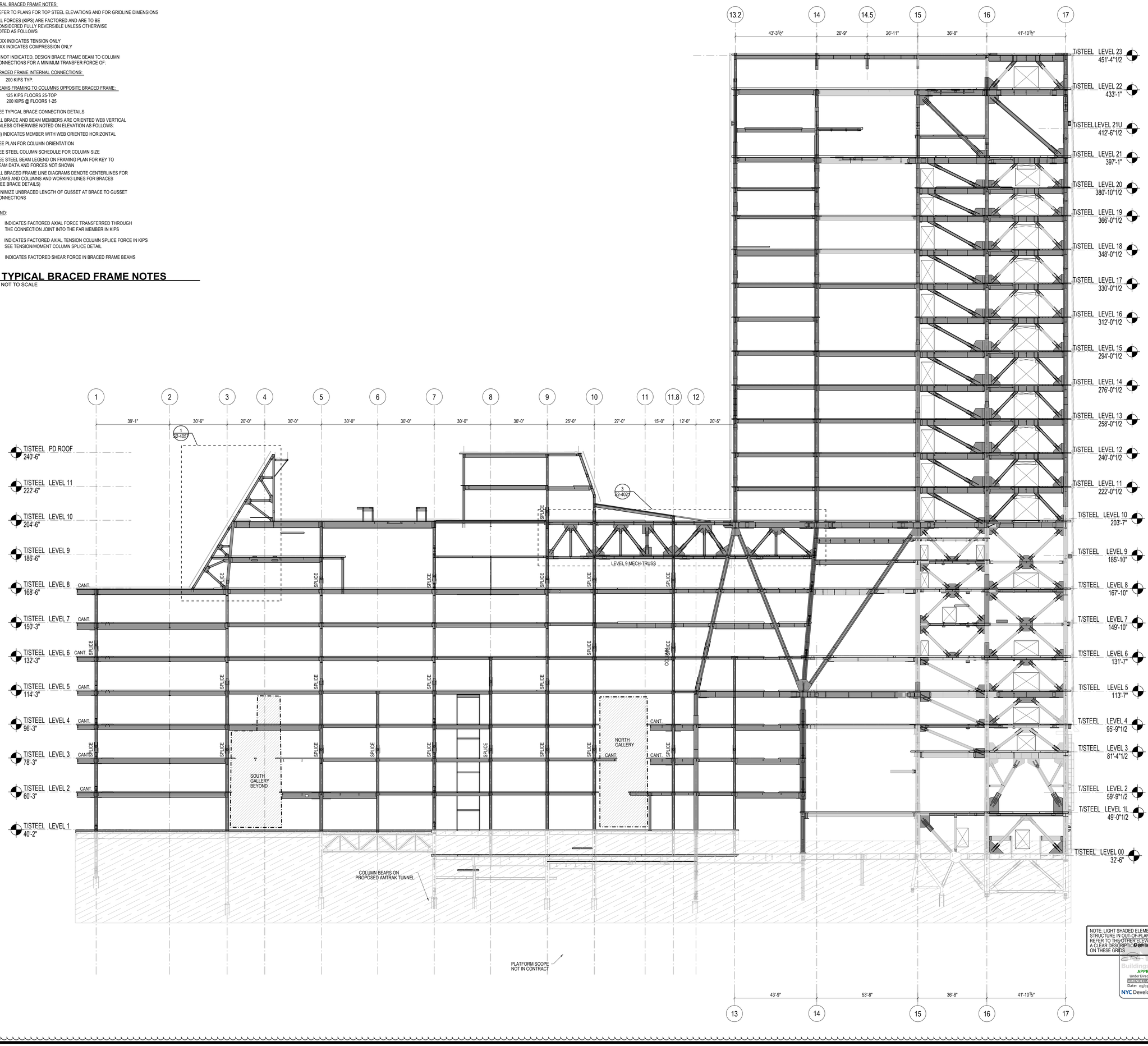

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Buildings
APPROVED
Under Directive 1 of 1968
AMENDED APPLICATION
Date: 05/01/2017
NYC Development Hub

Job Number B1004549.00 Work Order B1004549.00

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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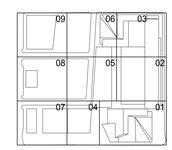

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S2-2015
Drawing Title

ELEVATION AT GRID G
BELOW 22ND FLOOR

Drawing Number
S2-2015
B-Scan Drawing Number
S-344.01

SHEET 189 OF 443

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   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25

4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL

6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

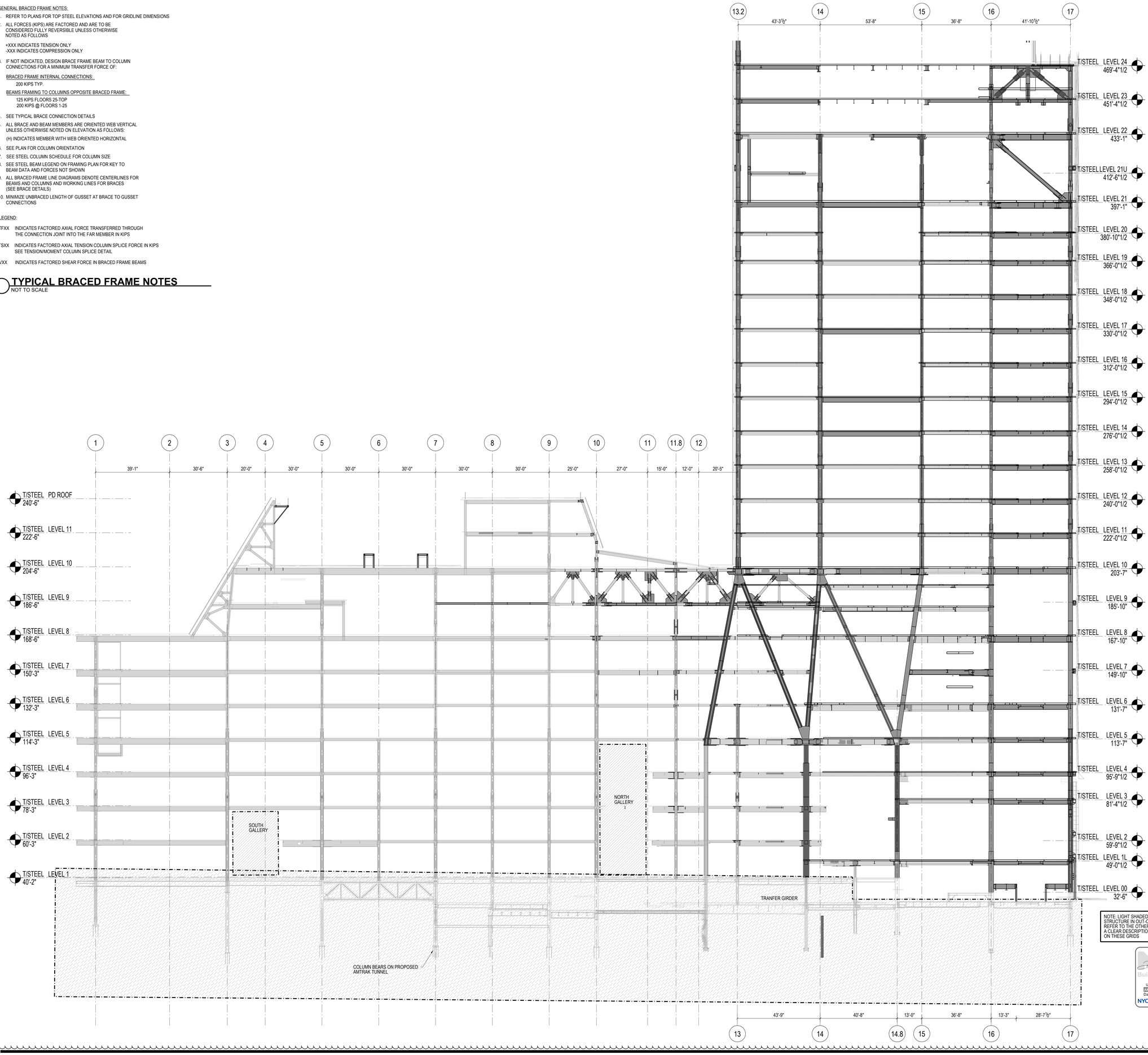
LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS. REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
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Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
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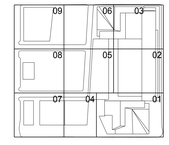
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN J. TITUS — 035 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2016
Drawing Title

ELEVATION AT GRID G.6 BELOW 22ND FLOOR

Drawing Number
S2-2016
X-Scan Drawing Number
S-345.01

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GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY

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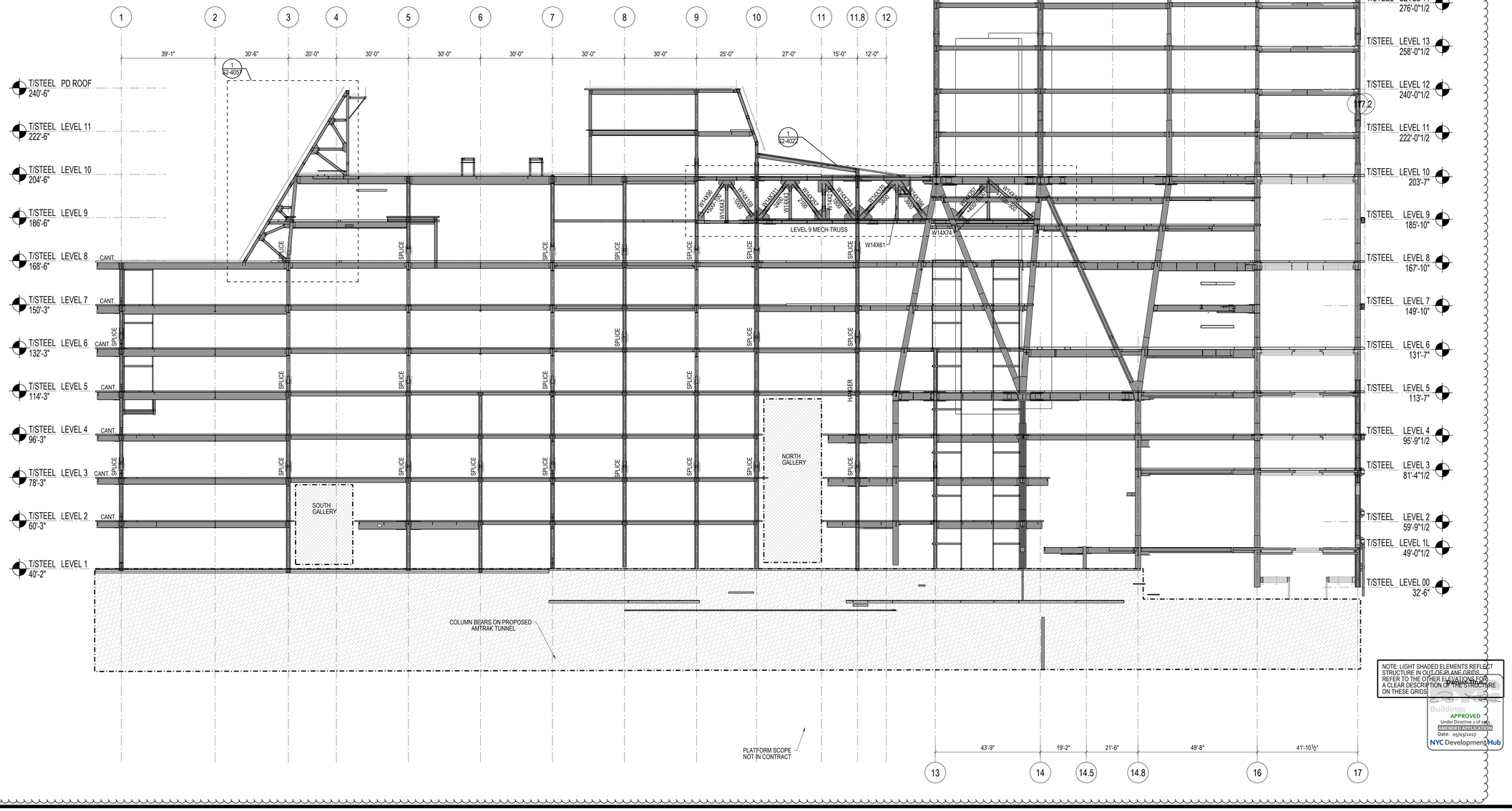
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Buildings
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Under Directive 2 of 1968
AMENDED APPLICATION
Date: 04/04/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2017

Drawing Title

ELEVATION AT GRID H BELOW 22ND FLOOR

Drawing Number **S2-2017**
X-Ref Drawing Number
S-346.01

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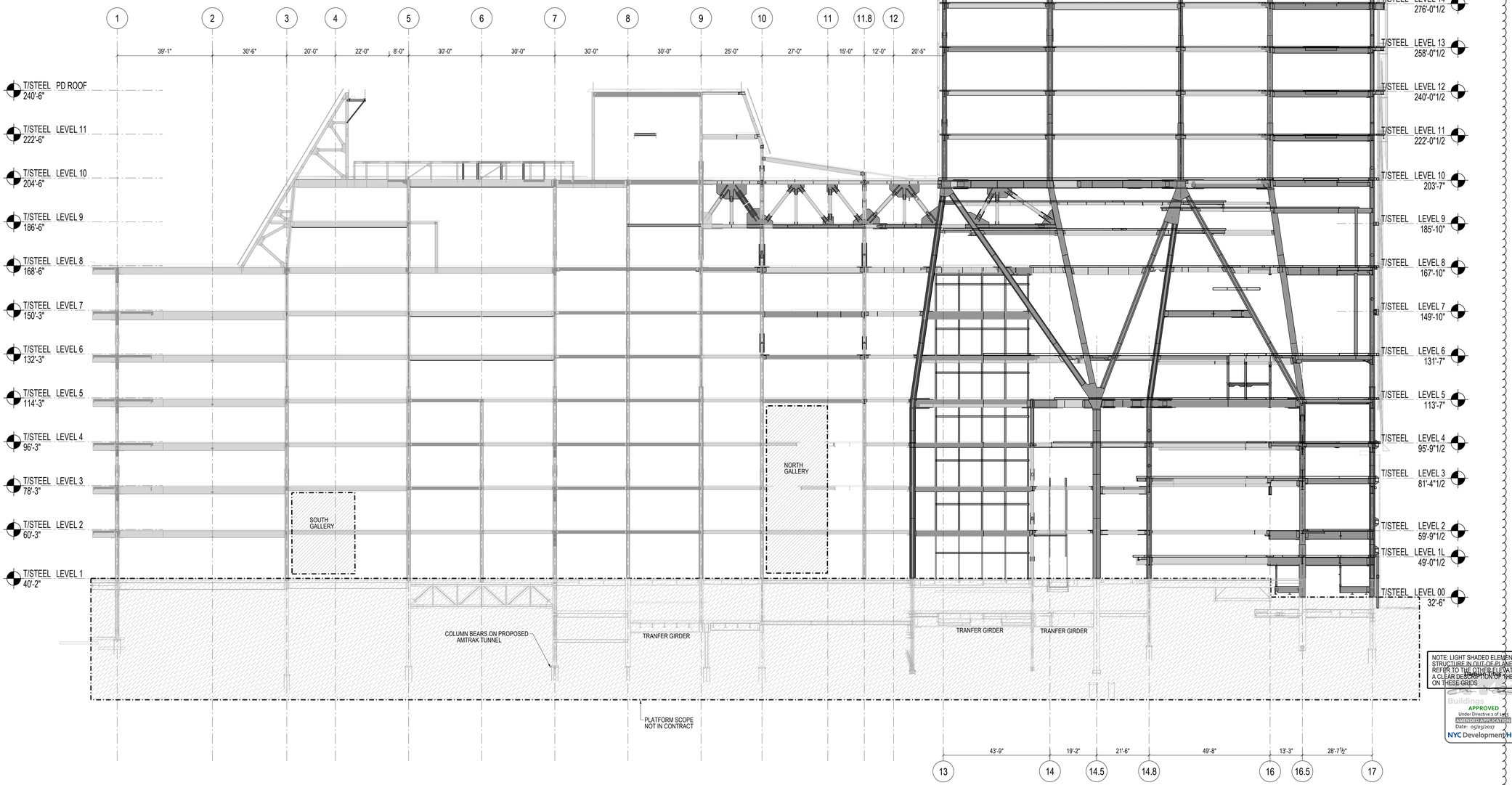

Buildings
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Under Directive 1 of 1975
AMENDED APPLICATION
Date: 09/9/2022
NYC Development Hub

CAT 02 BLADG 2013 ERROR — Job Number
E 2999832552 — Sheet Count

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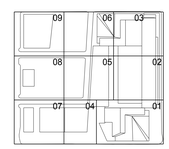
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2018
Drawing Title

ELEVATION AT GRID H.8 BELOW 22ND FLOOR

Drawing Number
S2-2018
X-Scan Drawing Number
S-347.01

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TYPICAL BRACED FRAME NOTES
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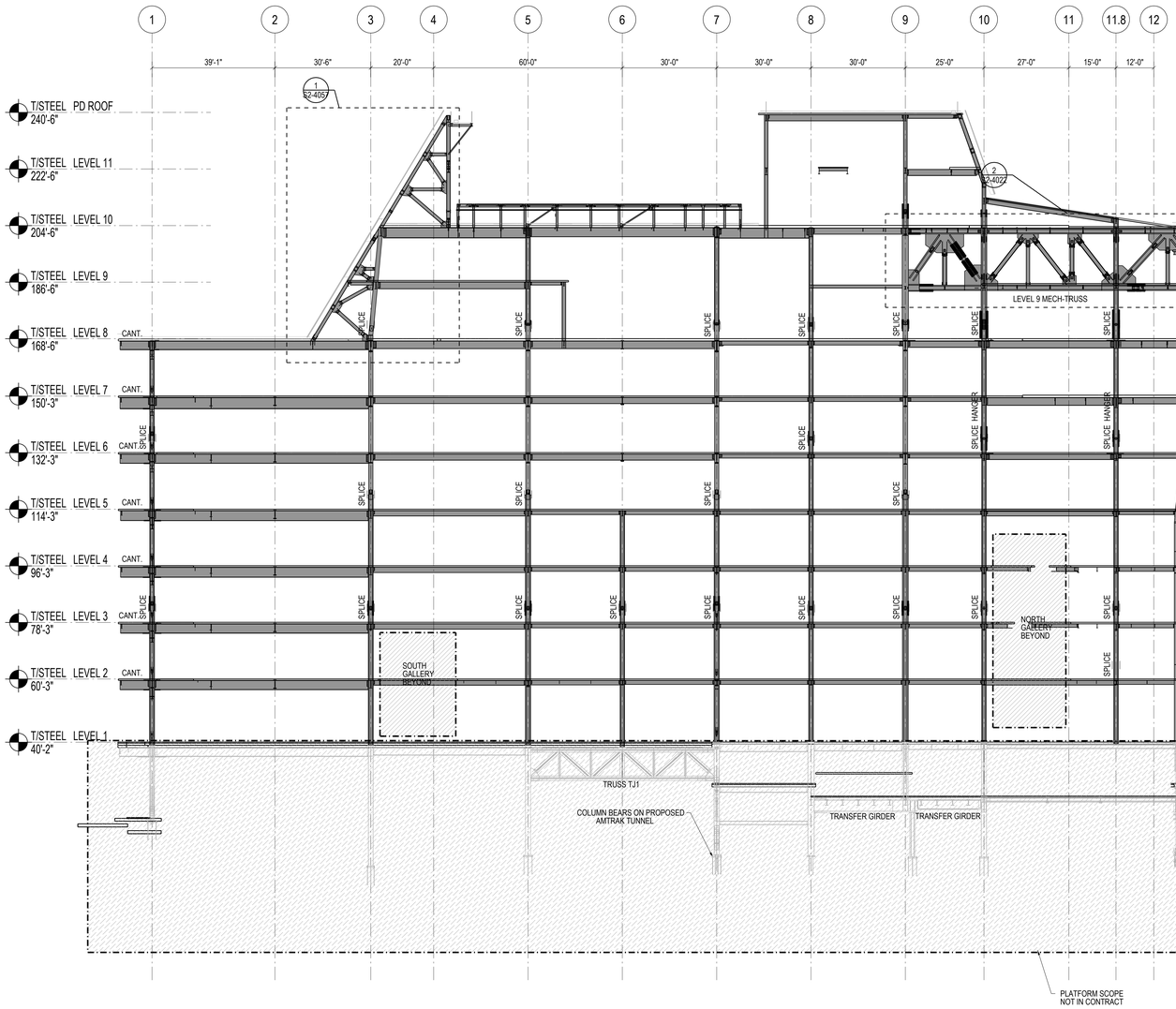

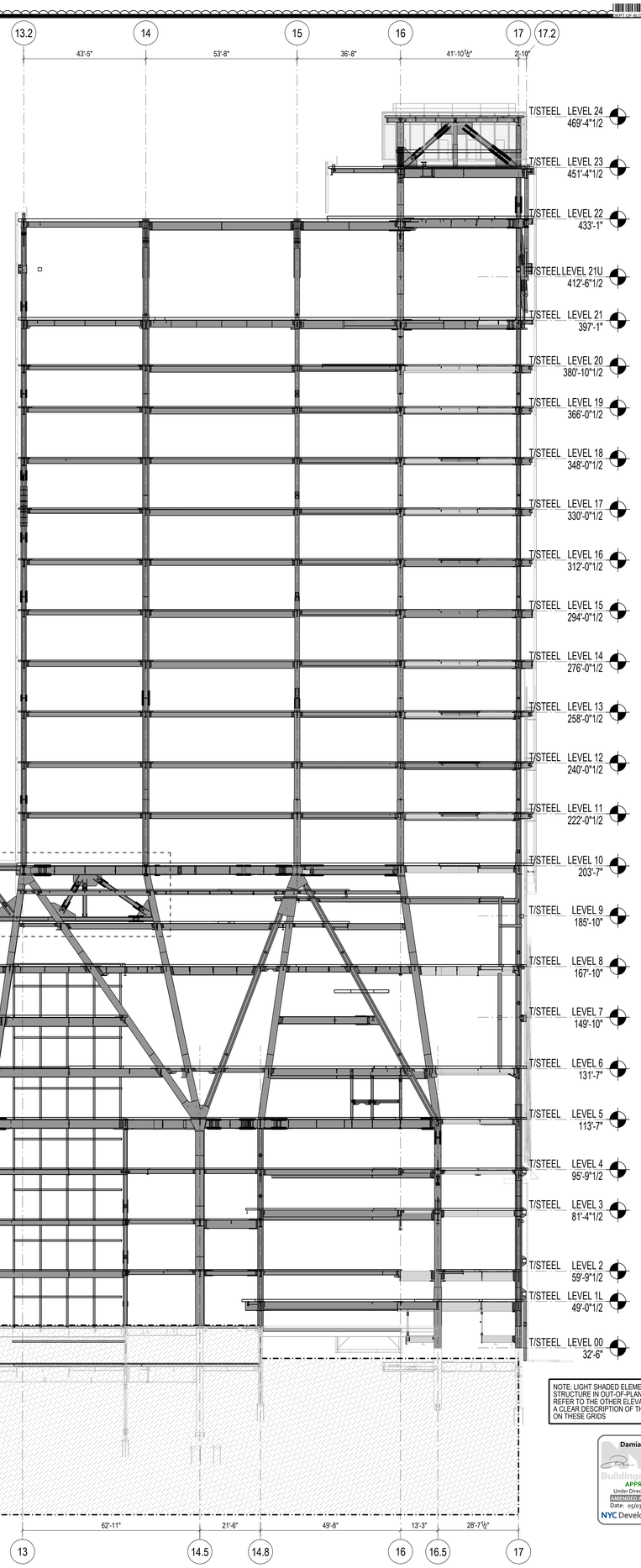

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Damian Titus
DOB Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Cert Cat: ALA0001375R0S01 Job Number
E1605010000S01 Sheet Count

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
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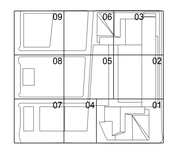
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2019
Drawing Title

ELEVATION AT GRID J BELOW 22ND FLOOR

Drawing Number
S2-2019
N-Scan Drawing Number
S-348.01
SHEET 193

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GENERAL BRACED FRAME NOTES:

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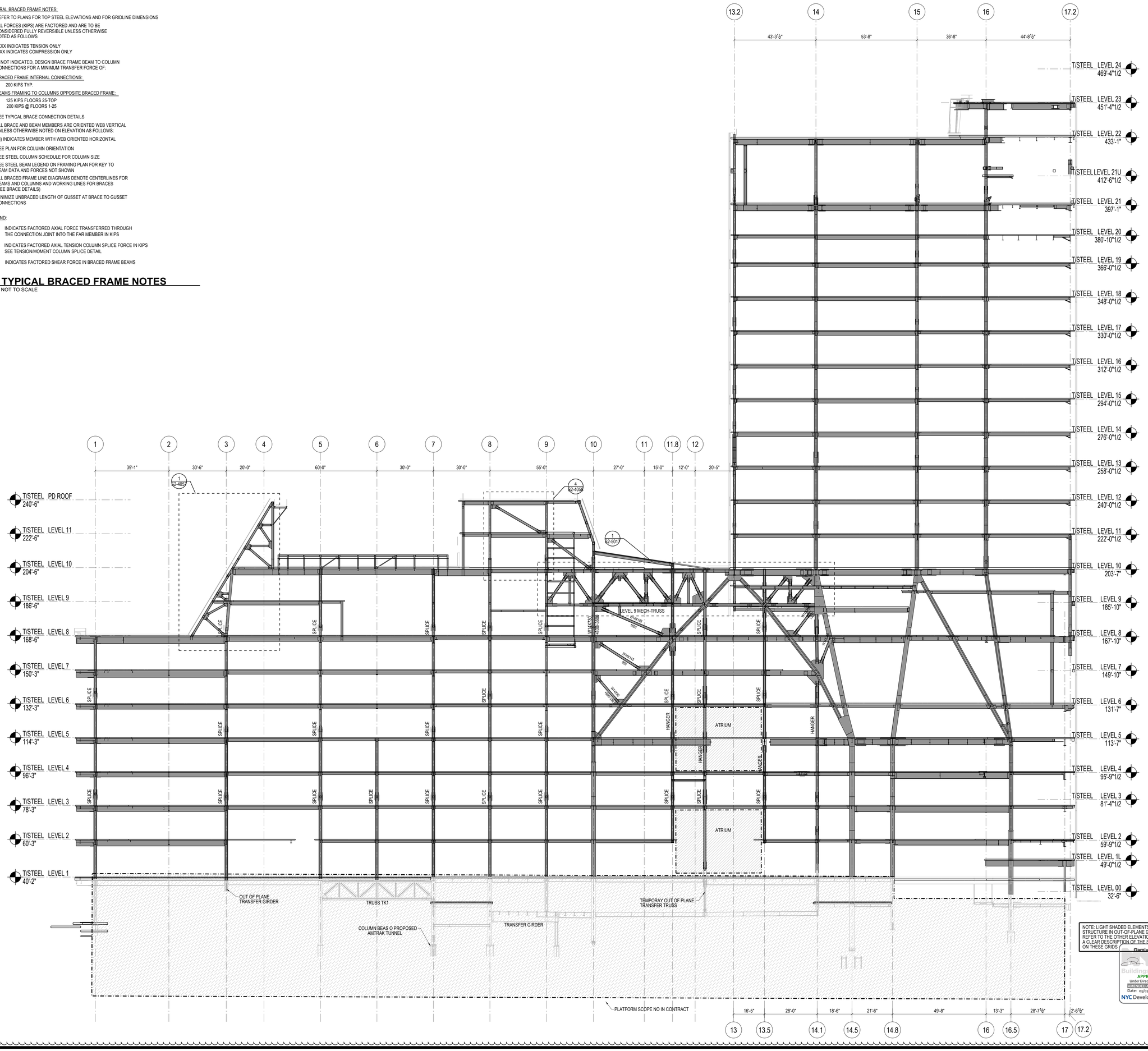

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Damian Titus
APPROVED
Under Directive 2 of 1975
MECHANICAL APPLICATION
Date: 05/01/2017
NYC Development Hub

Item Number
Shop Drawing

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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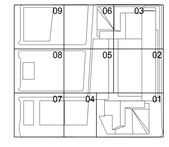
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2020

Drawing Title

ELEVATION AT GRID K BELOW 22ND FLOOR

Drawing Number
S2-2020
X-Scan Drawing Number
S-349.01

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GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
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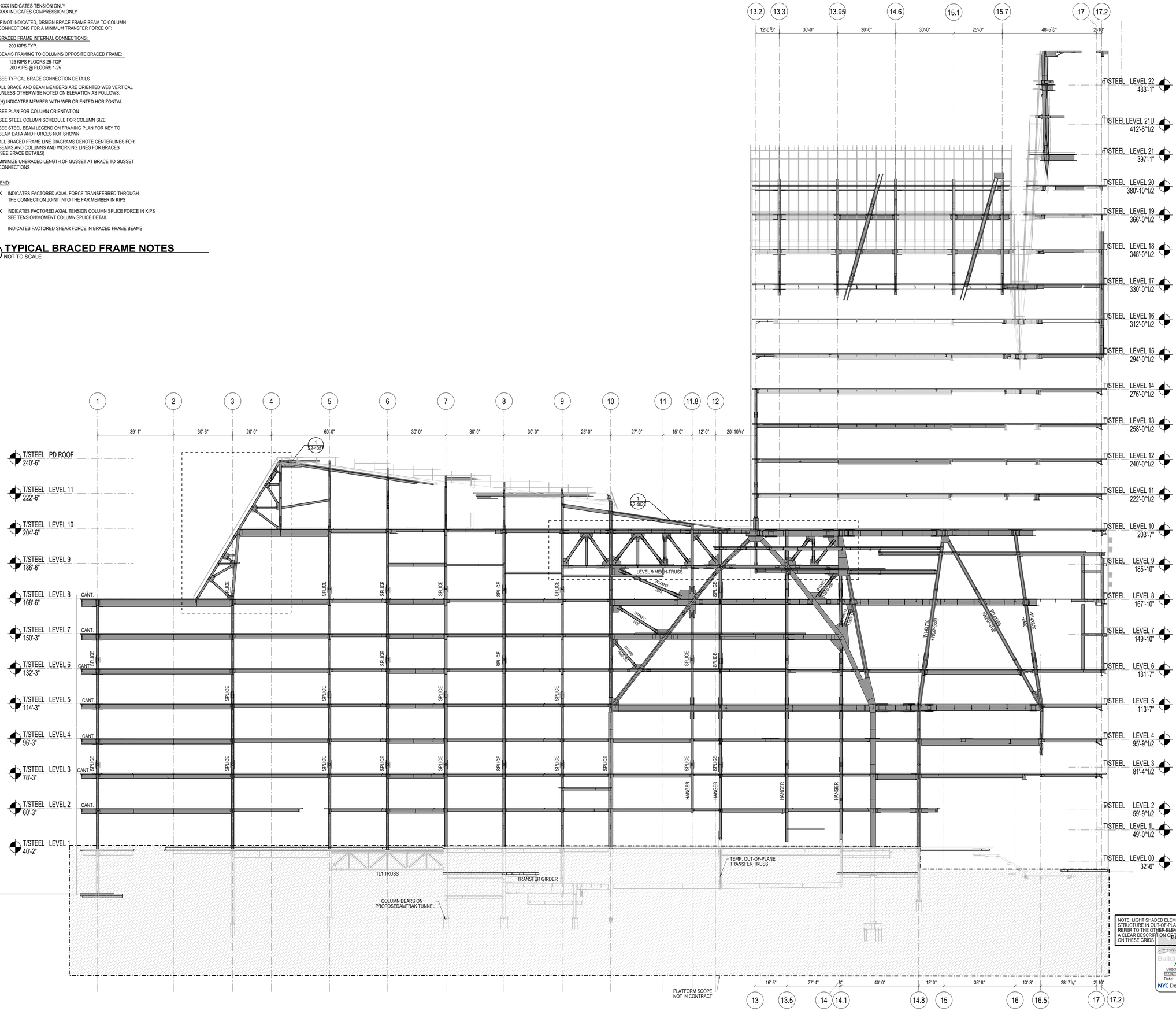

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Damian Thuss

APPROVED
Under Directive 1 of 1968
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

Job Number

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HUDSON YARDS - RETAIL PODIUM AND TOWER A

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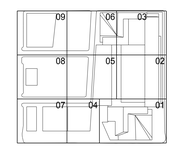
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S2-2021

Drawing Title

ELEVATION AT GRID L BELOW 22ND FLOOR

Drawing Number
S2-2021
K-Scan Drawing Number

S-350.01

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GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

   BRACED FRAME INTERNAL CONNECTIONS:
   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

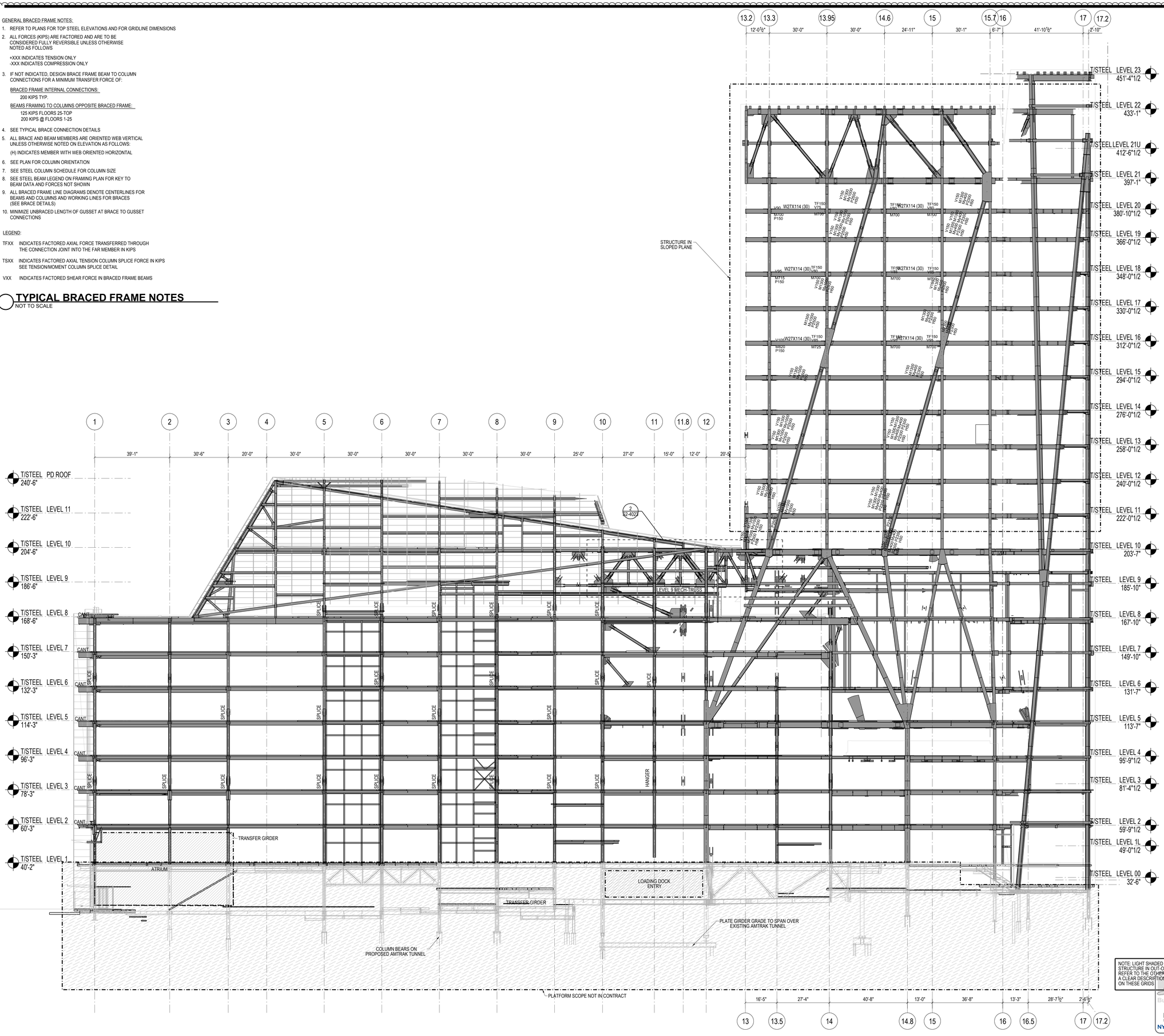
LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



Buildings
APPROVED
Under Directive 1 of 1968
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
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New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

Structural Engineer
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New York, New York 10010
TEL: 917.661.7800 FAX: 718.661.7801

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Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S2-2022
Drawing Title

ELEVATION AT GRID M BELOW 22ND FLOOR

Drawing Number
S2-2022
B-Scan Drawing Number
S-351.01

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CAT CAT 14-CAT13180620 Job Number E20251719TS Sheet Number

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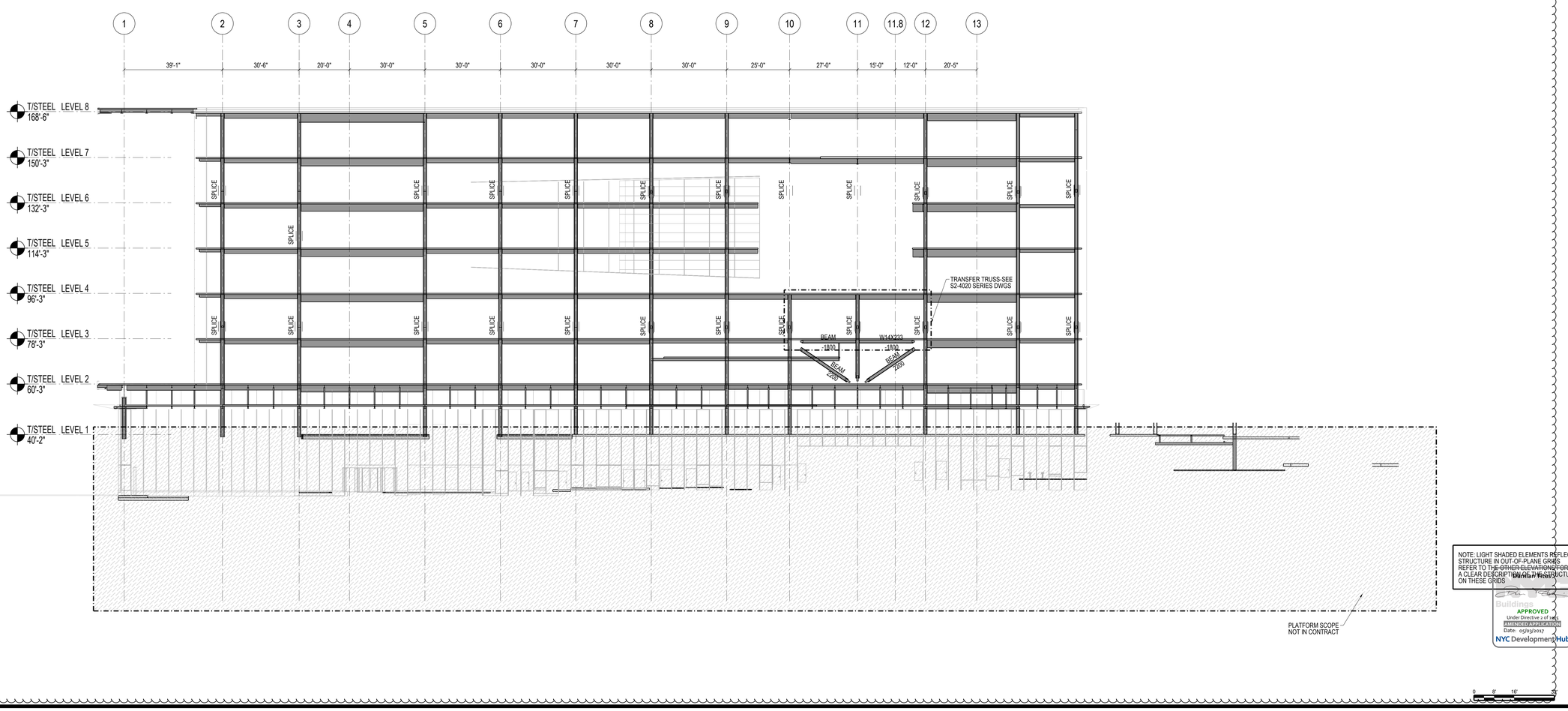

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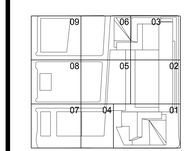

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

BuildingNYC
APPROVED
Under Directive 2 of 1975
ACKNOWLEDGEMENT
Date: 09/19/2017
NYC Development Hub

HYE-TA-S2-2023
Drawing Title

ELEVATION AT GRID N BELOW 22ND FLOOR

Drawing Number
S2-2023
S-Sheet Drawing Number
S-352.01

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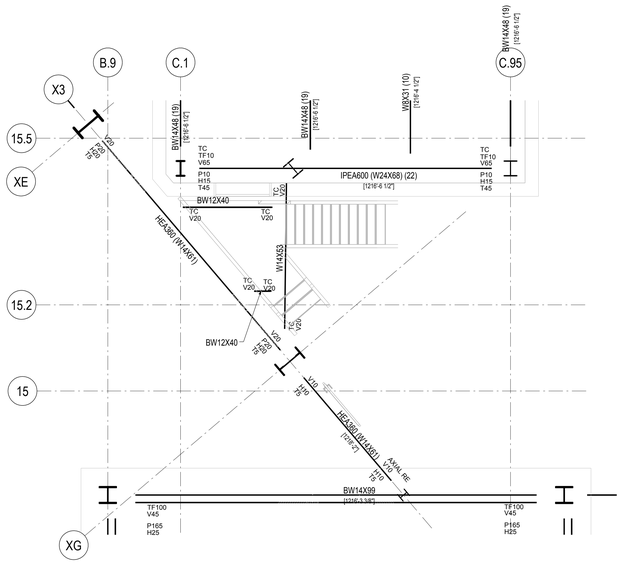
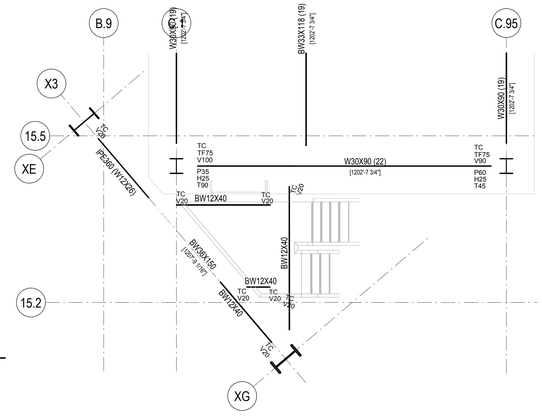
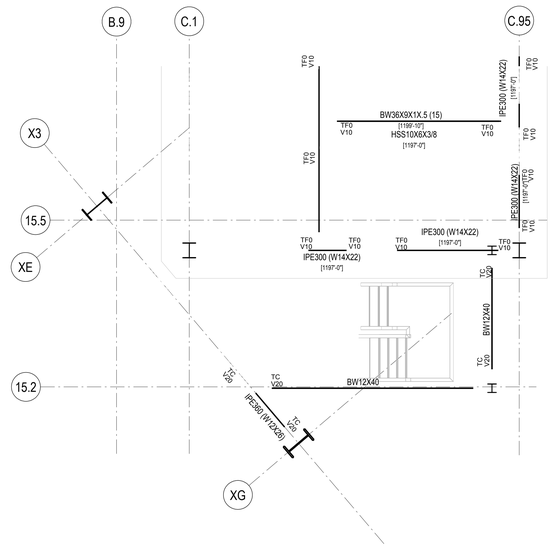


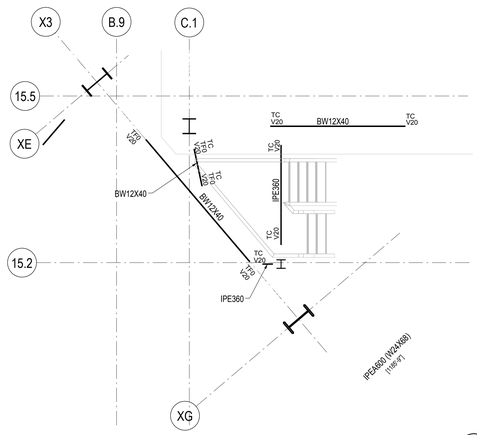
1 STAIR SUPPORT PLAN T/STEEL 1216'-4"
1/8"=1'-0"



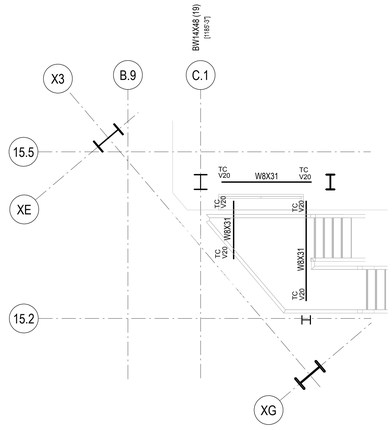
2 STAIR SUPPORT PLAN T/STEEL 1203'-6"
1/8"=1'-0"



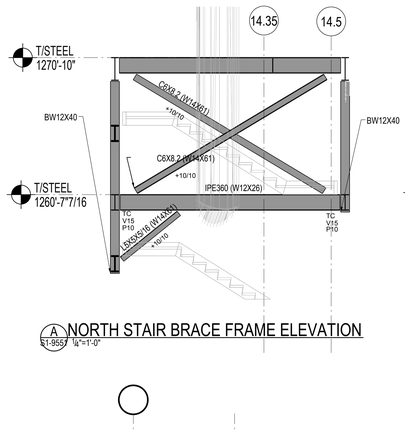
3 STAIR SUPPORT PLAN T/STEEL 1197'-3"
1/8"=1'-0"



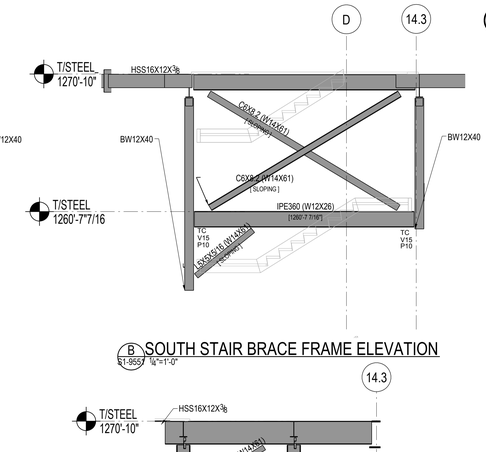
4 STAIR SUPPORT PLAN T/STEEL 1192'-1 1/8"
1/8"=1'-0"



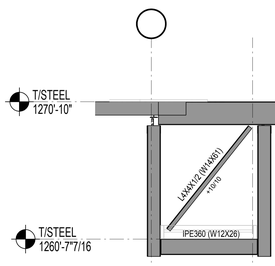
5 STAIR SUPPORT PLAN T/STEEL 1182'-0 1/4"
1/8"=1'-0"



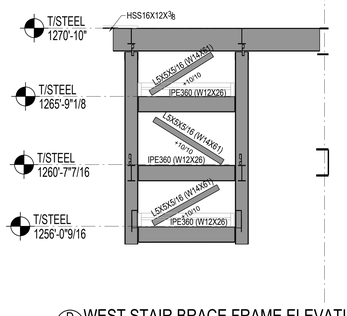
A NORTH STAIR BRACE FRAME ELEVATION
S1-9552 1/8"=1'-0"



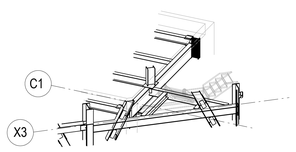
B SOUTH STAIR BRACE FRAME ELEVATION
S1-9552 1/8"=1'-0"



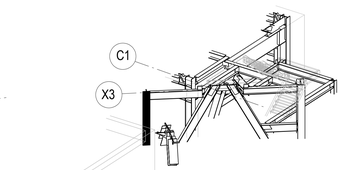
C EAST STAIR BRACE FRAME ELEVATION
S1-9552 1/8"=1'-0"



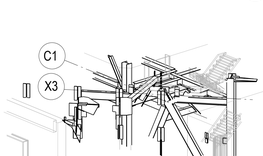
D WEST STAIR BRACE FRAME ELEVATION
S1-9552 1/8"=1'-0"



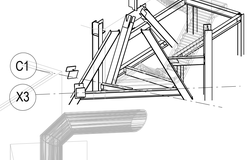
6 STAIR 3D VIEW OF PLAN 1
1/8"=1'-0"



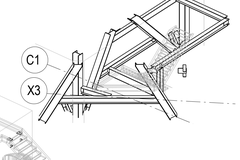
7 STAIR 3D VIEW OF PLAN 2
1/8"=1'-0"



8 STAIR 3D VIEW OF PLAN 3
1/8"=1'-0"

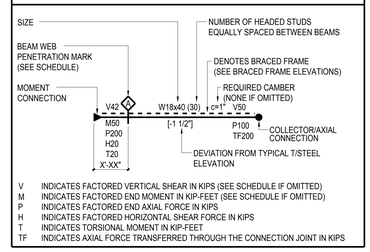


9 STAIR 3D VIEW OF PLAN 4
1/8"=1'-0"



10 STAIR 3D VIEW OF PLAN 5
1/8"=1'-0"

STEEL BEAM LEGEND



STEEL BEAM LEGEND
NOT TO SCALE

SHEET NOTES:

1. T/STRUCTURAL SLAB EL+ 0" UON THUS:
   X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION
2. T/STEEL EL+ 0" UON
3. INDICATES DECK SPAN DIRECTION. SEE SCHEDULE ON S5-3001
4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, OVERALL BUILDING ELEVATIONS	S2 SERIES DRAWINGS
SECTIONS AND DETAILS	S3 SERIES DRAWINGS
TYPICAL DETAILS	S4 SERIES DRAWINGS
SCHEDULES	S5 SERIES DRAWINGS
STEEL CONNECTION DETAILS	S7 SERIES DRAWINGS

TYPICAL SHEET NOTES
NOT TO SCALE

5. SYMBOLS:
   - INDICATES MOMENT CONNECTION
   - INDICATES DEEP BEAM BOTTOM FLANGE BRACING CONNECTION SEE DETAIL 9/S4-2003
   - INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S4-2003
   - INDICATES KICKER AT SPANDREL BEAM CONNECTION. SEE DETAIL 8/S4-2003
   - UP INDICATES SLOPE IN TOP OF SLAB
   - INDICATES CHANGE IN SLAB THICKNESS
   - INDICATES SLOPING COLUMN DIRECTION
   - INDICATES THICKENED SLAB
   - INDICATES TOPPING SLAB SEE ARCH. DRAWING FOR TOP OF TOPPING SLAB ELEVATION
   - INDICATES THE BEAM IS SUPPORTED BY BRACING
6. NOTATIONS:

CA/CB	INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAILS 1 & 2/S4-2002
PA/PB	INDICATES POST ABOVE/BELOW
DB	INDICATES HSS8X4X3/8 ELEVATOR DIVIDER BEAM (NOT FIREPROOFED)
HA/HB	INDICATES HANGER ABOVE/BELOW. TENSION AXIAL FORCE IN HANGER BELOW INDICATED WHERE APPLICABLE. SEE DETAIL 3/S4-2002
MF	INDICATES LATERAL MOMENT FRAME SEE MOMENT FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PG	INDICATES PLATE GIRDER TYPE. SEE SCHEDULE
TC	INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 1/S4-2003
TR	INDICATES COLUMN FROM ABOVE TRANSFERS. COMPRESSION AXIAL FORCE IN COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 1/S4-2002
BF	INDICATES BRACED FRAME. SEE ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES
PBR XxY	INDICATES X-INCH THICK BY Y-INCH WIDE HORIZONTAL PLATE BRACE. SEE DETAIL 1/S4-2030
TRUSS TC	INDICATES TRUSS TOP CHORD
TRUSS BC	INDICATES TRUSS BOTTOM CHORD
CO (X)	INDICATES COPED BEAM END. SEE COPE SCHEDULE ON DRAWING S5-3001
TCC	INDICATES BOTTOM FLANGE CONNECTION AT SPANDREL BEAM SEE DETAIL 6/S4-2020
TCS	INDICATES TORSIONAL CONNECTION AND FULL HEIGHT FITTED BEAM STIFFENER SEE DETAIL 1/S4-2003

TYPICAL SHEET NOTES (SYMBOLS)
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 4' 8' 16'

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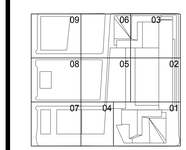

Issue Date 10/15/2016
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN J. TITUS — 035 — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S1-9552
Drawing Title

CROWN SOUTHEAST STAIR SUPPORT PLANS

Drawing Number
S1-9552
K-Scan Drawing Number
S-353.00
SHEET 174 OF 443

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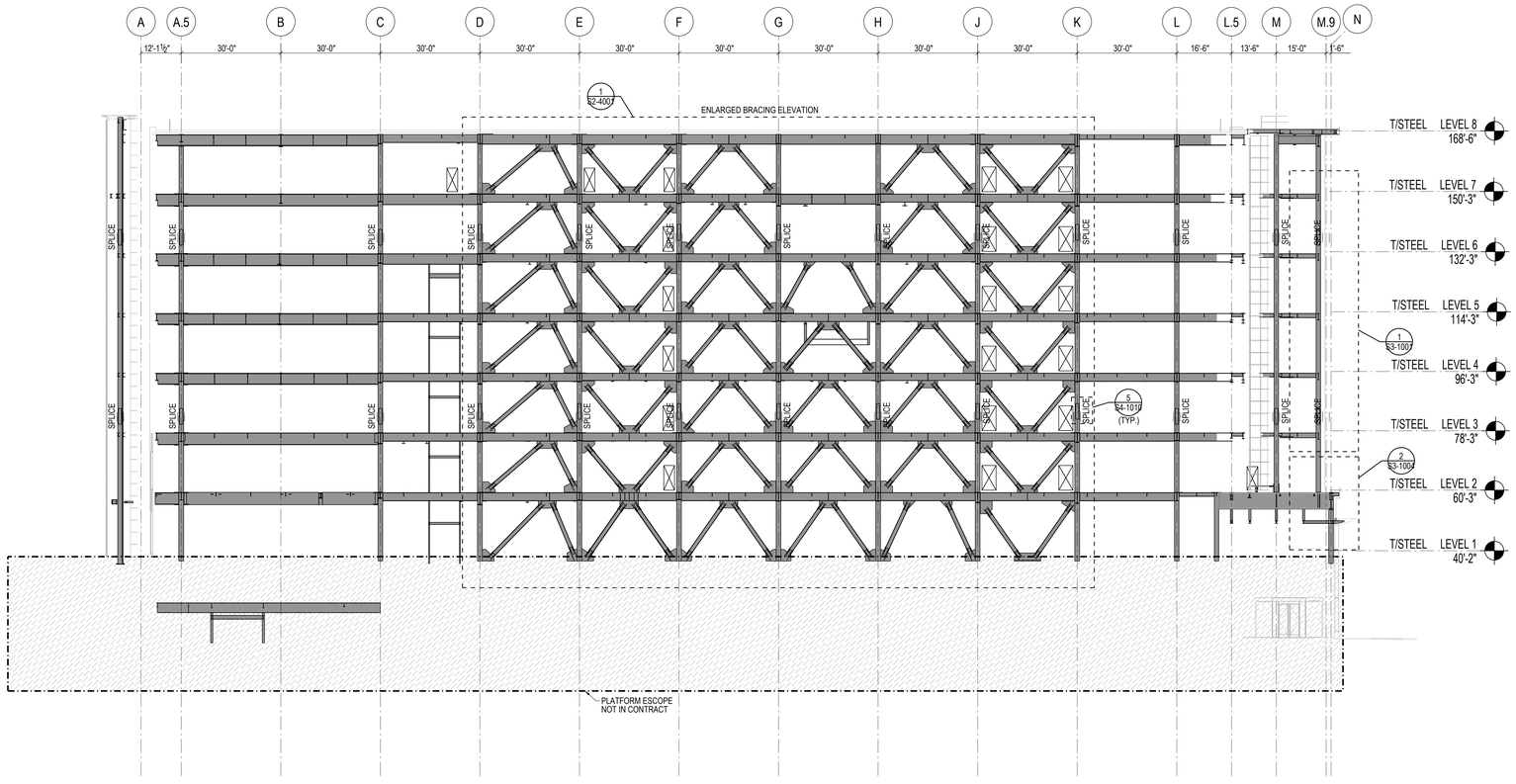
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Drawn by: Dhiaa Titus

BuildingNYC APPROVED Under Directive 2 of 1975 APPLICATION Date: 09/09/2017 NYC Development Hub

0 8' 16' 32'

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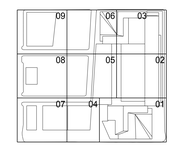
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-2050
Drawing Title

ELEVATION AT GRID 1 BELOW 22ND FLOOR

Drawing Number
S2-2050
Kohn Pedersen Number
S-360.01

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GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

   BRACED FRAME INTERNAL CONNECTIONS:
   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

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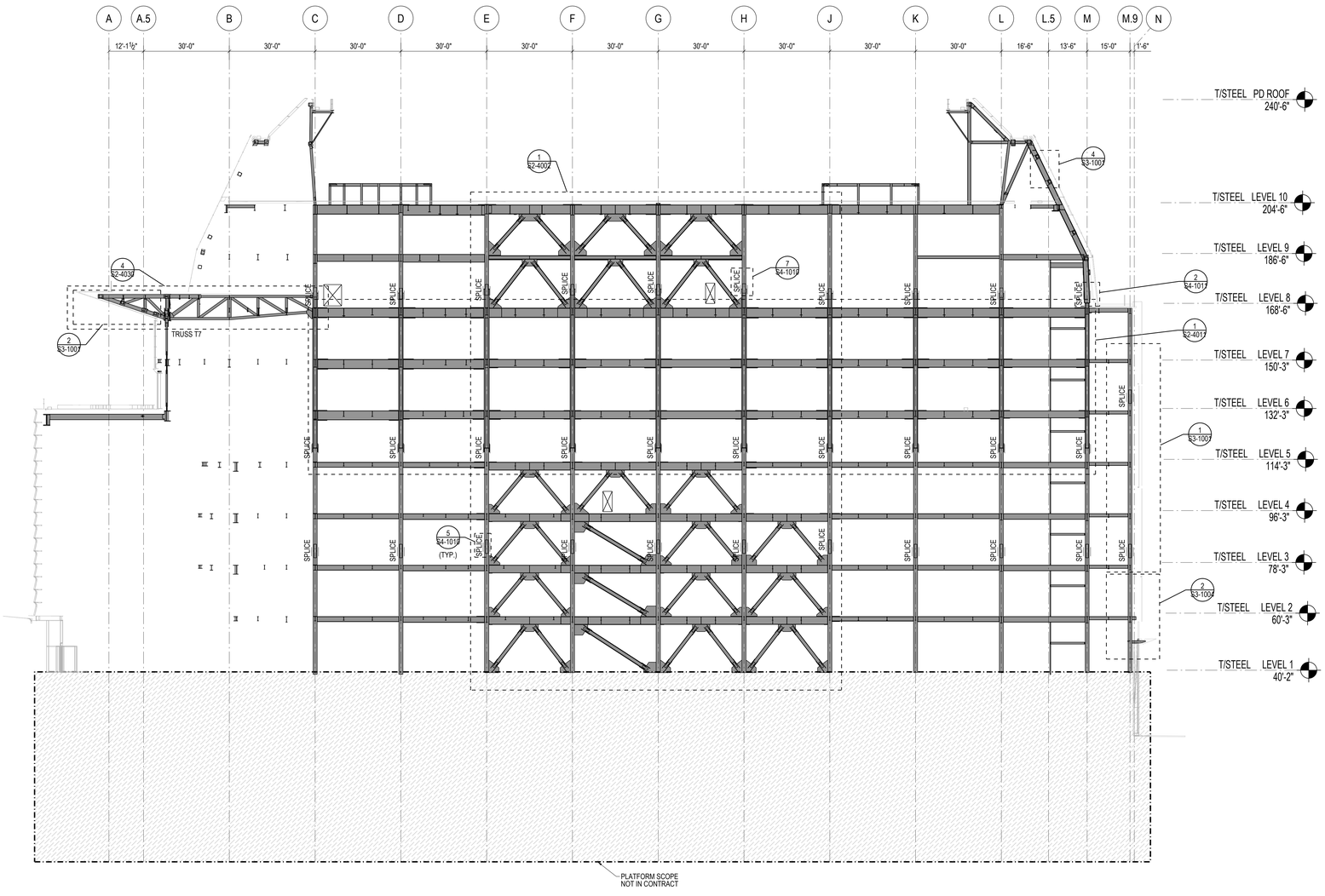
VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

TYPICAL BRACED FRAME NOTES

NOT TO SCALE



NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Damian Titus

APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
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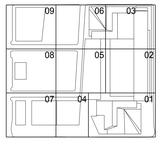
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2051

Drawing Title

ELEVATION AT GRID 7 BELOW 22ND FLOOR

Drawing Number
S2-2051
B-Scan Drawing Number
S-361.01

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GENERAL BRACED FRAME NOTES:

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LEGEND:

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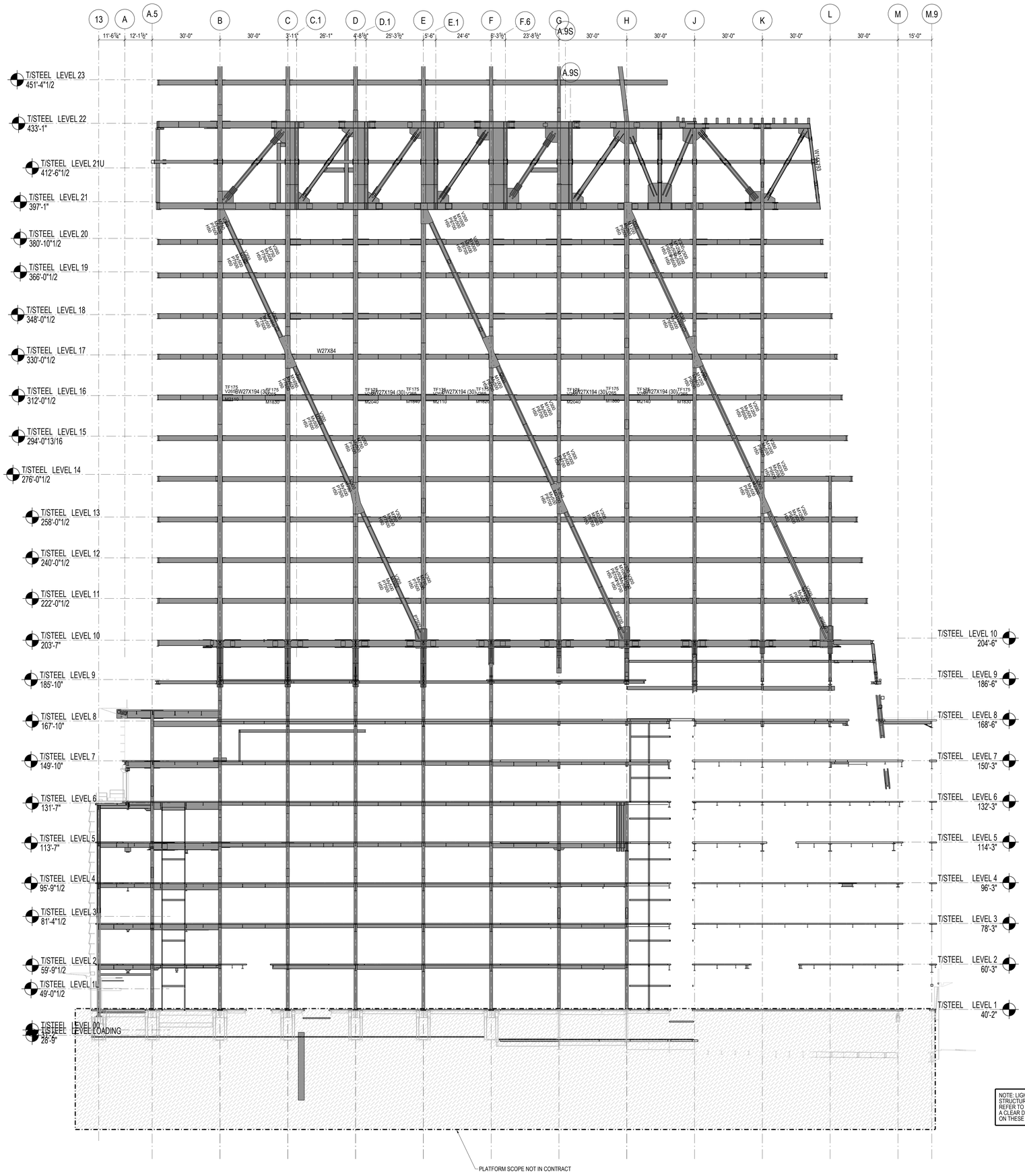
TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

TYPICAL BRACED FRAME NOTES

NOT TO SCALE


13
A
A.5
B
C
C.1
D
D.1
E
E.1
F
F.6
G
A.9S
H
J
K
L
M
M.9
11'-6⅛"
12'-1½"
30'-0"
30'-0"
3'-11"
26'-1"
4'-8⅛"
25'-3⅛"
5'-6"
24'-6"
5'-3⅛"
23'-8½"
30'-0"
30'-0"
30'-0"
30'-0"
30'-0"
15'-0"
T/STEEL LEVEL 23
451'-4"1/2
T/STEEL LEVEL 22
433'-1"
T/STEEL LEVEL 21U
412'-6"1/2
T/STEEL LEVEL 21
397'-1"
T/STEEL LEVEL 20
380'-10"1/2
T/STEEL LEVEL 19
366'-0"1/2
T/STEEL LEVEL 18
348'-0"1/2
T/STEEL LEVEL 17
330'-0"1/2
T/STEEL LEVEL 16
312'-0"1/2
T/STEEL LEVEL 15
294'-0"13/16
T/STEEL LEVEL 14
276'-0"1/2
T/STEEL LEVEL 13
258'-0"1/2
T/STEEL LEVEL 12
240'-0"1/2
T/STEEL LEVEL 11
222'-0"1/2
T/STEEL LEVEL 10
203'-7"
T/STEEL LEVEL 9
185'-10"
T/STEEL LEVEL 8
167'-10"
T/STEEL LEVEL 7
149'-10"
T/STEEL LEVEL 6
131'-7"
T/STEEL LEVEL 5
113'-7"
T/STEEL LEVEL 4
95'-9"1/2
T/STEEL LEVEL 3
81'-4"1/2
T/STEEL LEVEL 2
59'-9"1/2
T/STEEL LEVEL 1U
49'-0"1/2
T/STEEL LEVEL 00
40'-2"
T/STEEL LEVEL LOADING
28'-9"
T/STEEL LEVEL 10
204'-6"
T/STEEL LEVEL 9
186'-6"
T/STEEL LEVEL 8
168'-6"
T/STEEL LEVEL 7
150'-3"
T/STEEL LEVEL 6
132'-3"
T/STEEL LEVEL 5
114'-3"
T/STEEL LEVEL 4
96'-3"
T/STEEL LEVEL 3
78'-3"
T/STEEL LEVEL 2
60'-3"
T/STEEL LEVEL 1
40'-2"
W14X48
W27X84
W27X194 (30)
TF175
TF125
M1810
M1830
M2040
M1840
M2110
M1850
M2140
M1860
V1200
V1500
V1800
V2000
V2400
V2600
V2800
V3000
V3200
V3400
V3600
V3800
V4000
V4200
V4400
V4600
V4800
V5000
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V5800
V6000
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V6400
V6600
V6800
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V7200
V7400
V7600
V7800
V8000
V8200
V8400
V8600
V8800
V9000
V9200
V9400
V9600
V9800
V10000
V10200

GENERAL BRACED FRAME NOTES:

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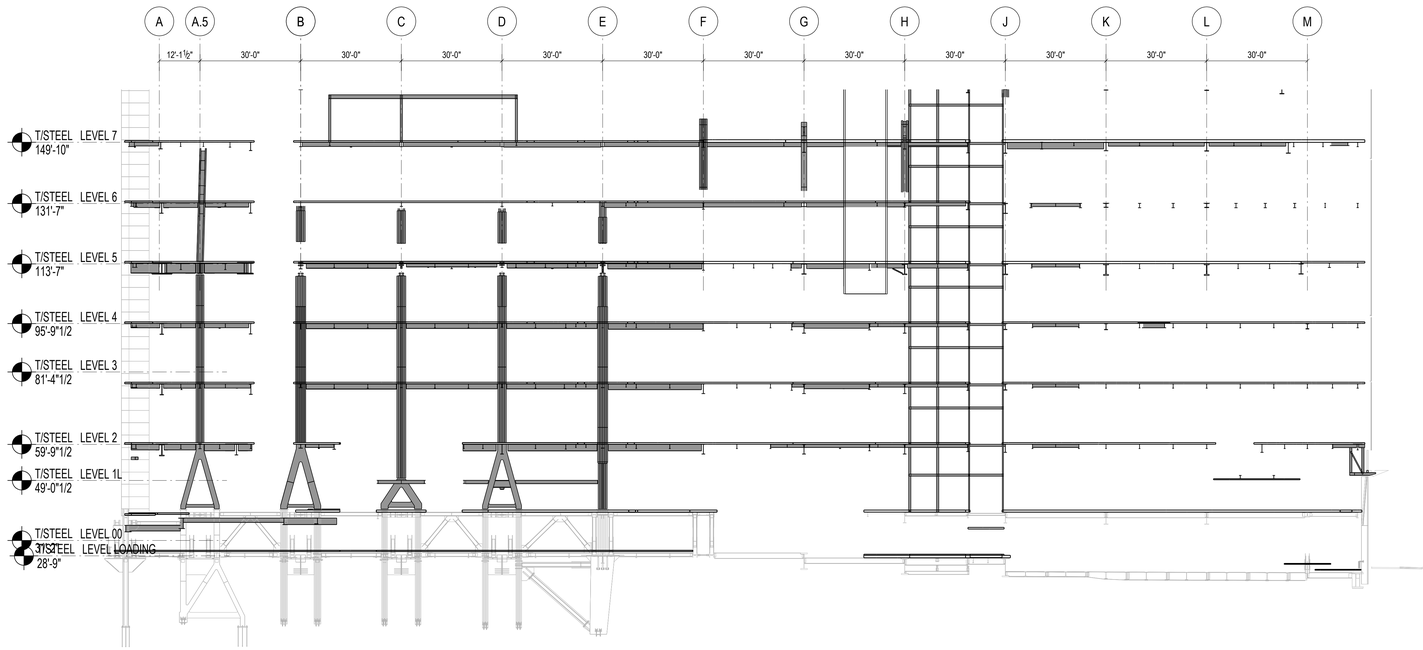
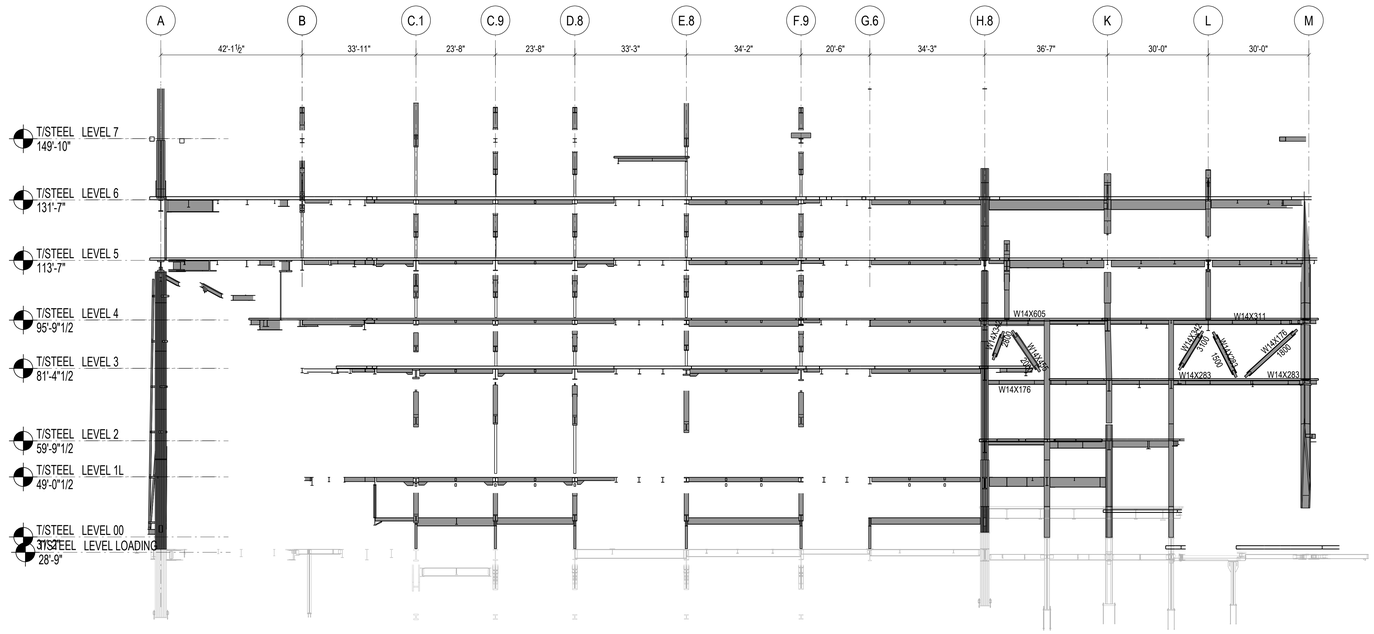
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



1 ELEVATION AT GRID 13.7
NOT TO SCALE



2 ELEVATION AT GRID 16.5
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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320 Park Avenue, 17th Floor
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Architect
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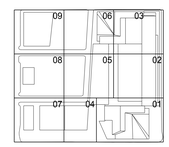
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AUTHORIZATION
Date: 09/03/2017
NYC Development Hub

HYE-TA-S2-2053
Drawing Title

ELEVATION AT GRID 13.7 AND GRID 16.5 BELOW 22ND FLOOR

Drawing Number
S2-2053
As Issue Drawing Number
S-363.01

SHEET 201 OF 443

0 8' 16' 32'

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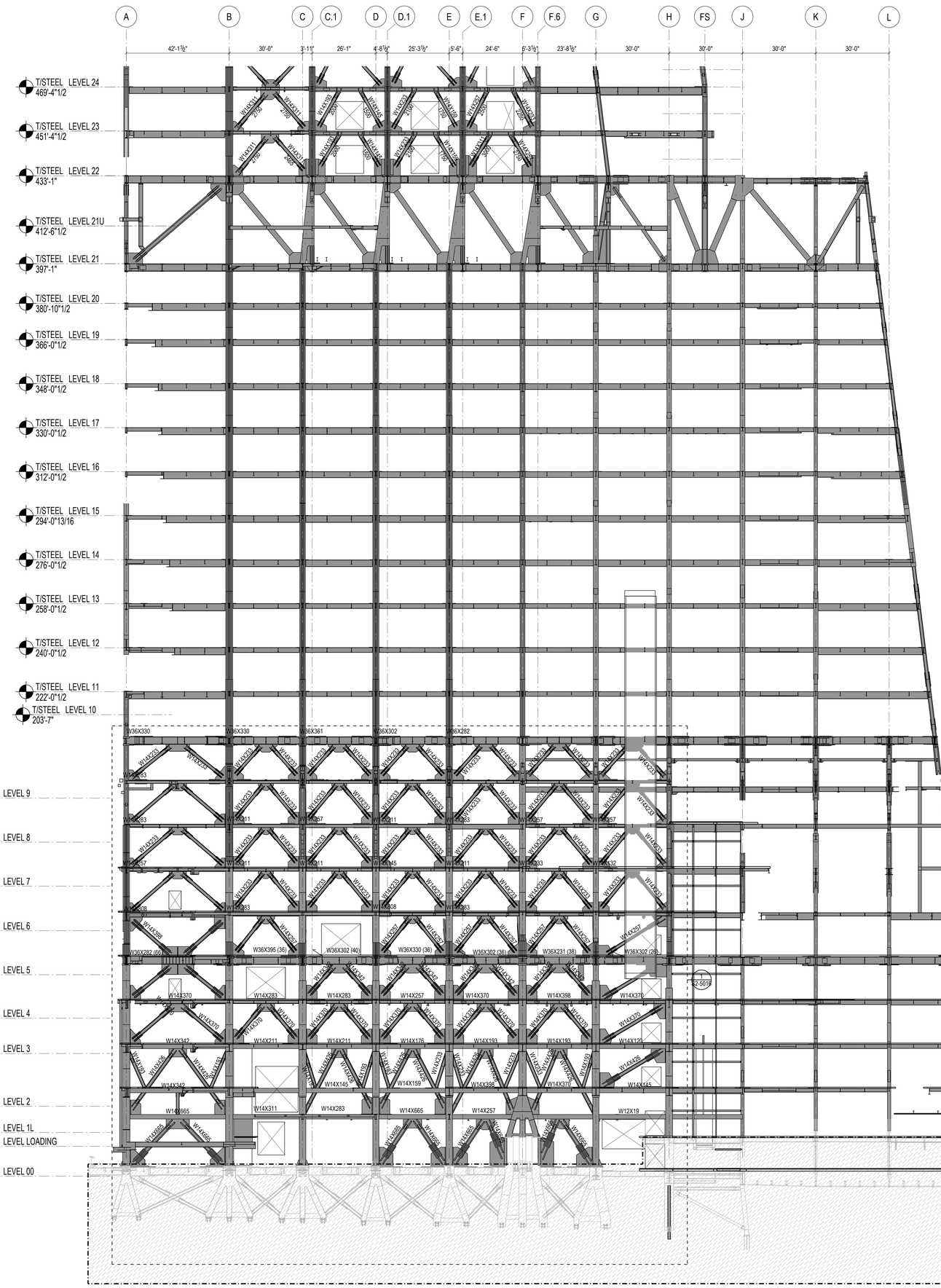
CERTIFICATE NUMBER: 201509251 Job Number
B1643/00350 Work Order



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LEGEND:

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VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

MSXX INDICATES FACTORED MOMENT AT COLUMN SPLICE IN KIP-FT MOMENT ACTS ABOUT COLUMN STRONG AXIS UON SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE

NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 5' 10' 20'

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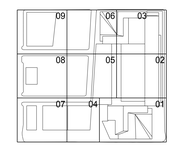

Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — CHRISTIAN T. TITUS — 028 — LICENSED PROFESSIONAL ENGINEER

Christian Titus

HYE-TA-S2-2054
Drawing Title

ELEVATION AT GRID 14 BELOW 22ND FLOOR

Drawing Number
S2-2054
As Issue Drawing Number
S-364.01

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CERTIFICATE NUMBER: 21195521 Job Number
B1995139MAN Work Order

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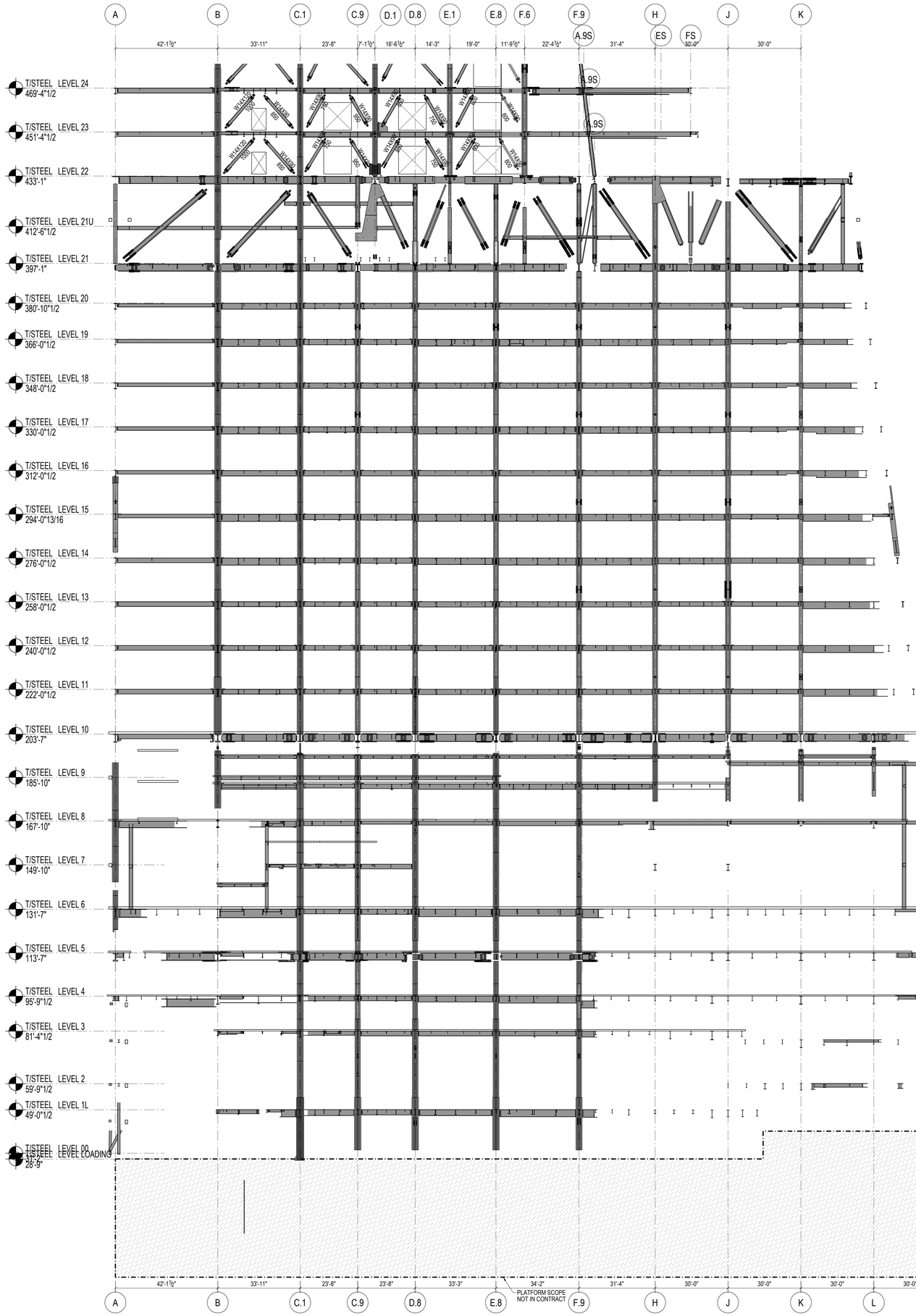
TYPICAL BRACED FRAME NOTES
NOT TO SCALE



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Damian Titus
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Date: 09/09/2017
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0 8' 16' 32'

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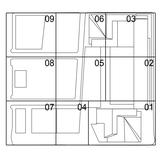

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-2055
Drawing Title

ELEVATION AT GRID 15 BELOW 22ND FLOOR

Drawing Number
S2-2055
Kohn Drawing Number
S-365.01

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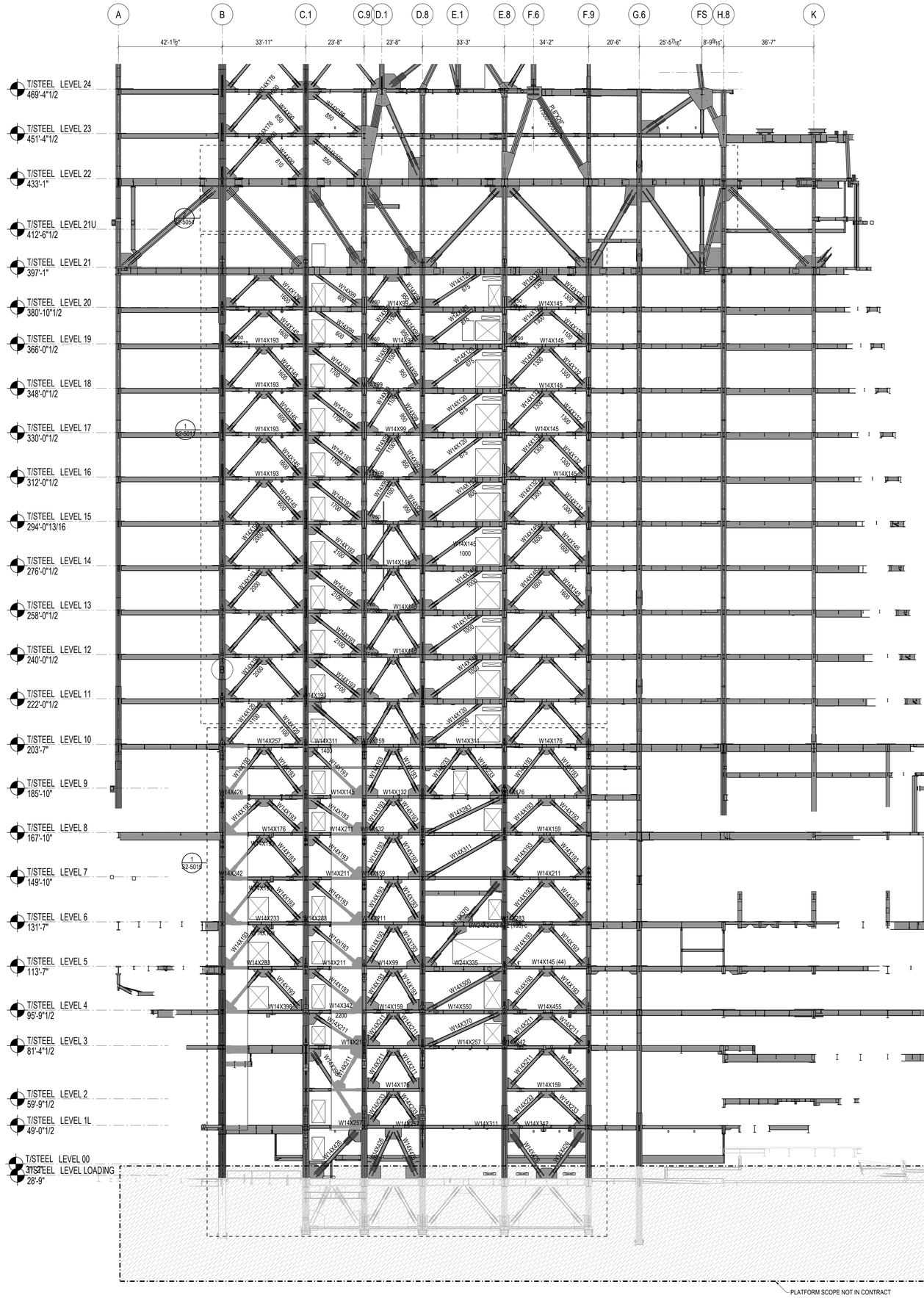

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

   BRACED FRAME INTERNAL CONNECTIONS:

   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:

   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

MSXX INDICATES FACTORED MOMENT AT COLUMN SPLICE IN KIP-FT MOMENT ACTS ABOUT COLUMN STRONG AXIS UON SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE

NOTE: LIGHT SHADED ELEMENTS REFLECT STRUCTURE IN OUT-OF-PLANE GRIDS REFER TO THE OTHER ELEVATIONS FOR A CLEAR DESCRIPTION OF THE STRUCTURE ON THESE GRIDS

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

Oxford Properties Group
320 Park Avenue, 17th Floor
New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

Architect
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Retail Interior Design & Planning
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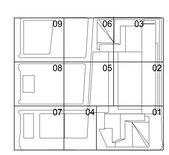
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/09/2002
NYC Development Hub

HYE-TA-S2-2056
Drawing Title

ELEVATION AT GRID 16 BELOW 22ND FLOOR

Drawing Number
S2-2056
K-Scan Drawing Number
S-366.01

SHEET 204 OF 443

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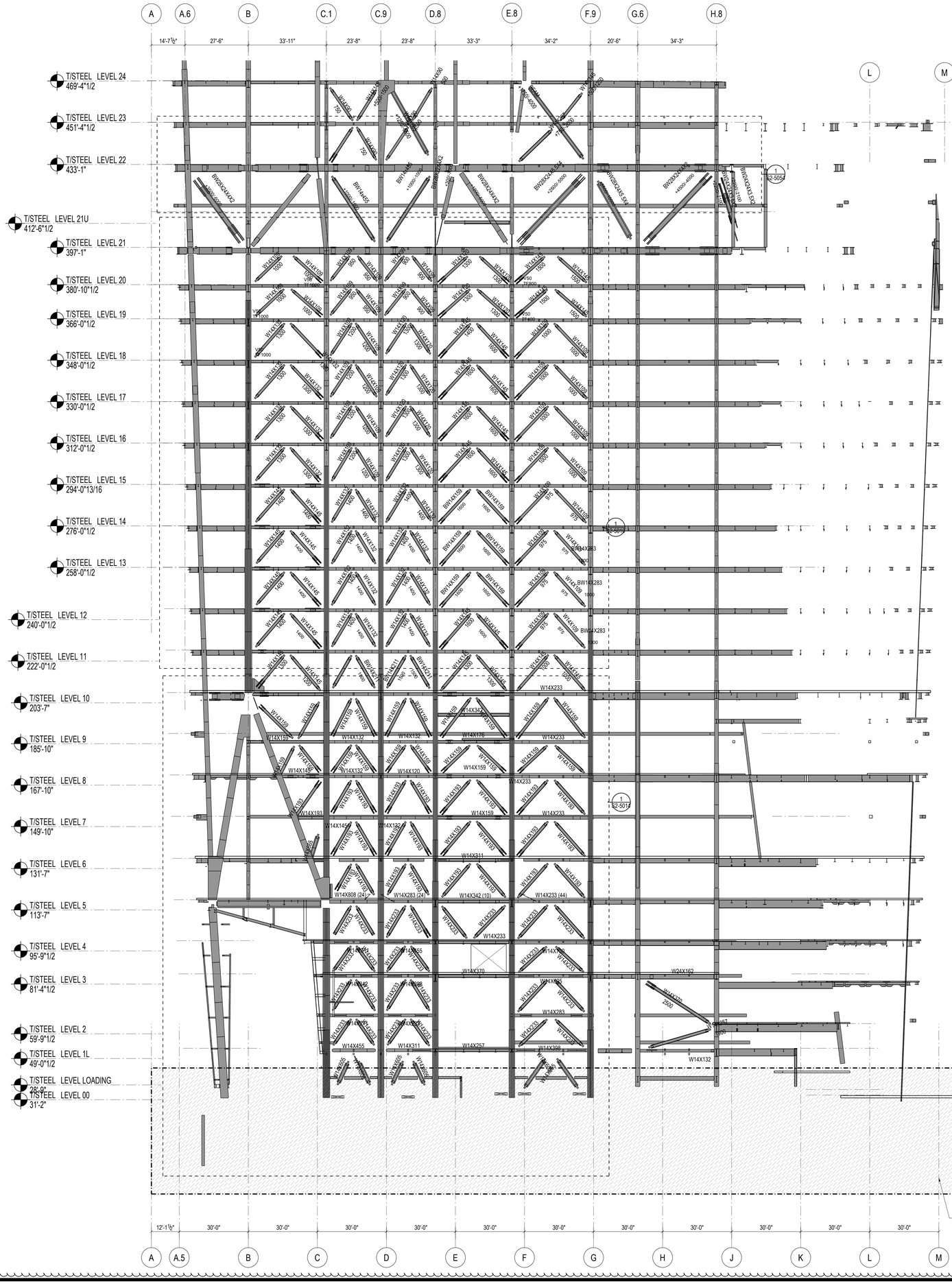

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Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/05/2017
NYC Development Hub

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
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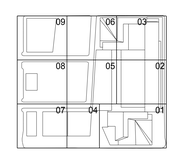
Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK MICHAEL J. COSTA 082 DESIGNATED PROFESSIONAL ENGINEER

HYE-TA-S2-2058
Drawing Title

ELEVATION AT GRID 17 BELOW 22ND FLOOR

Drawing Number
S2-2058
B-Scan Drawing Number
S-368.01

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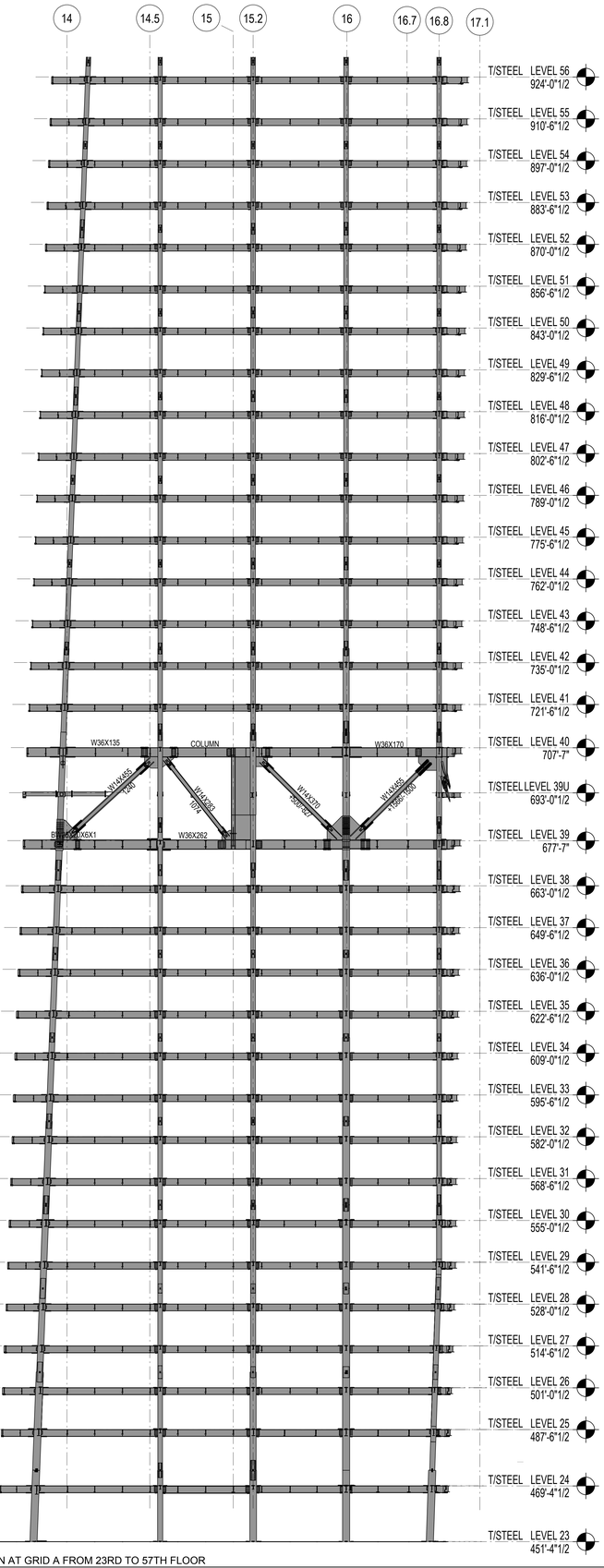
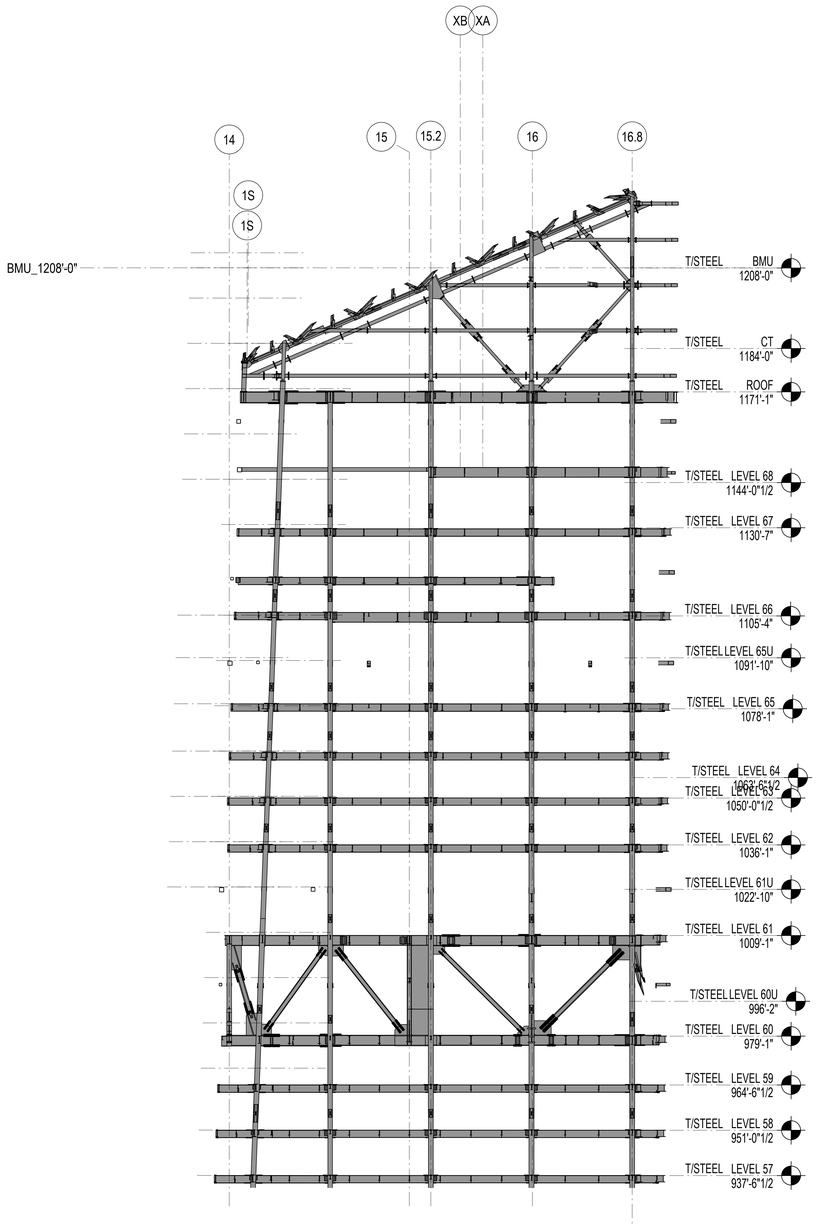
VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



1 ELEVATION AT GRID A FROM 23RD TO 57TH FLOOR
NOT TO SCALE



2 ELEVATION AT GRID A ABOVE 56TH FLOOR
NOT TO SCALE

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
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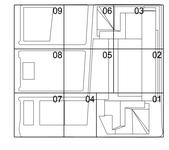
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S2-3001
Drawing Title

ELEVATION AT GRID A ABOVE 22ND FLOOR

Drawing Number
S2-3001
S-Num Drawing Number
S-370.01

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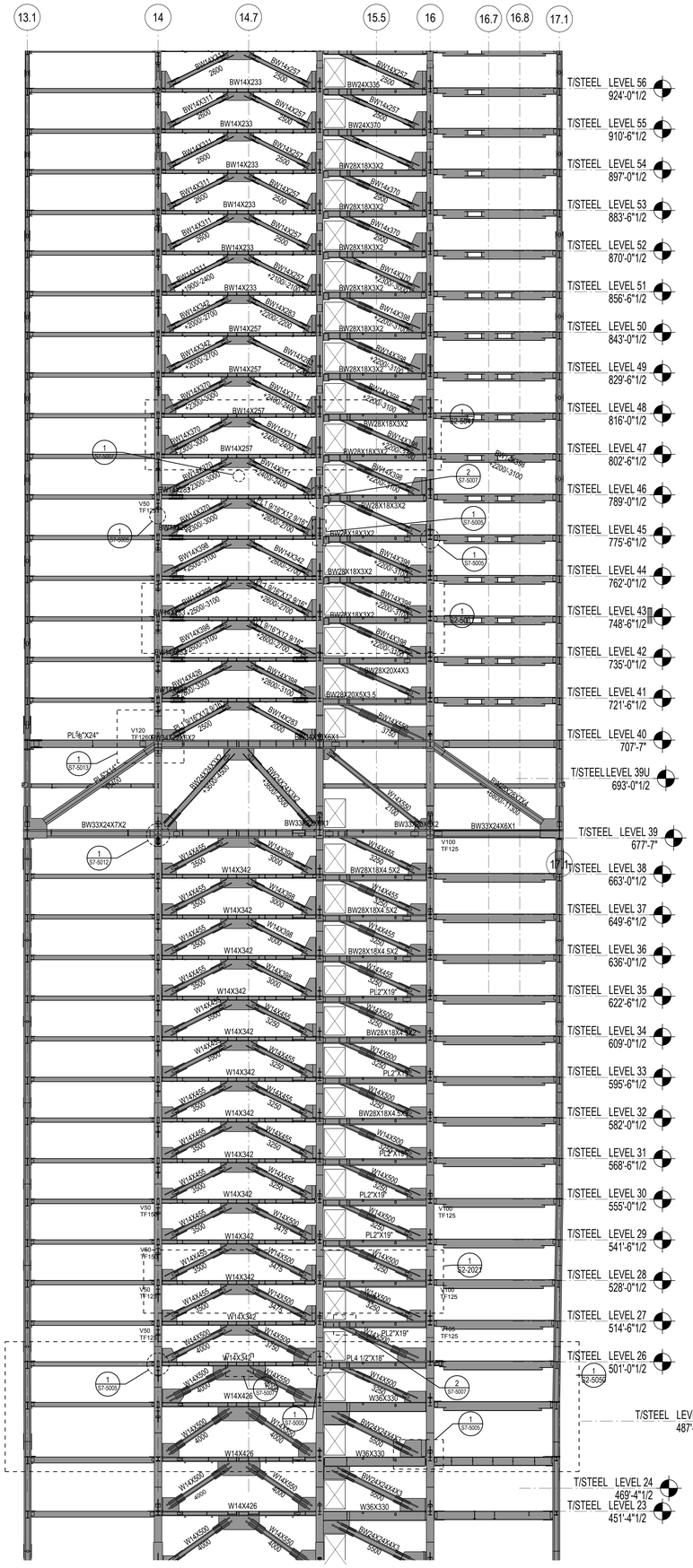
DETAIL

DETAIL

DETAIL

DETAIL



1 ELEVATION AT GRID B FROM 22ND TO 56TH FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS
   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:
   BRACED FRAME INTERNAL CONNECTIONS:
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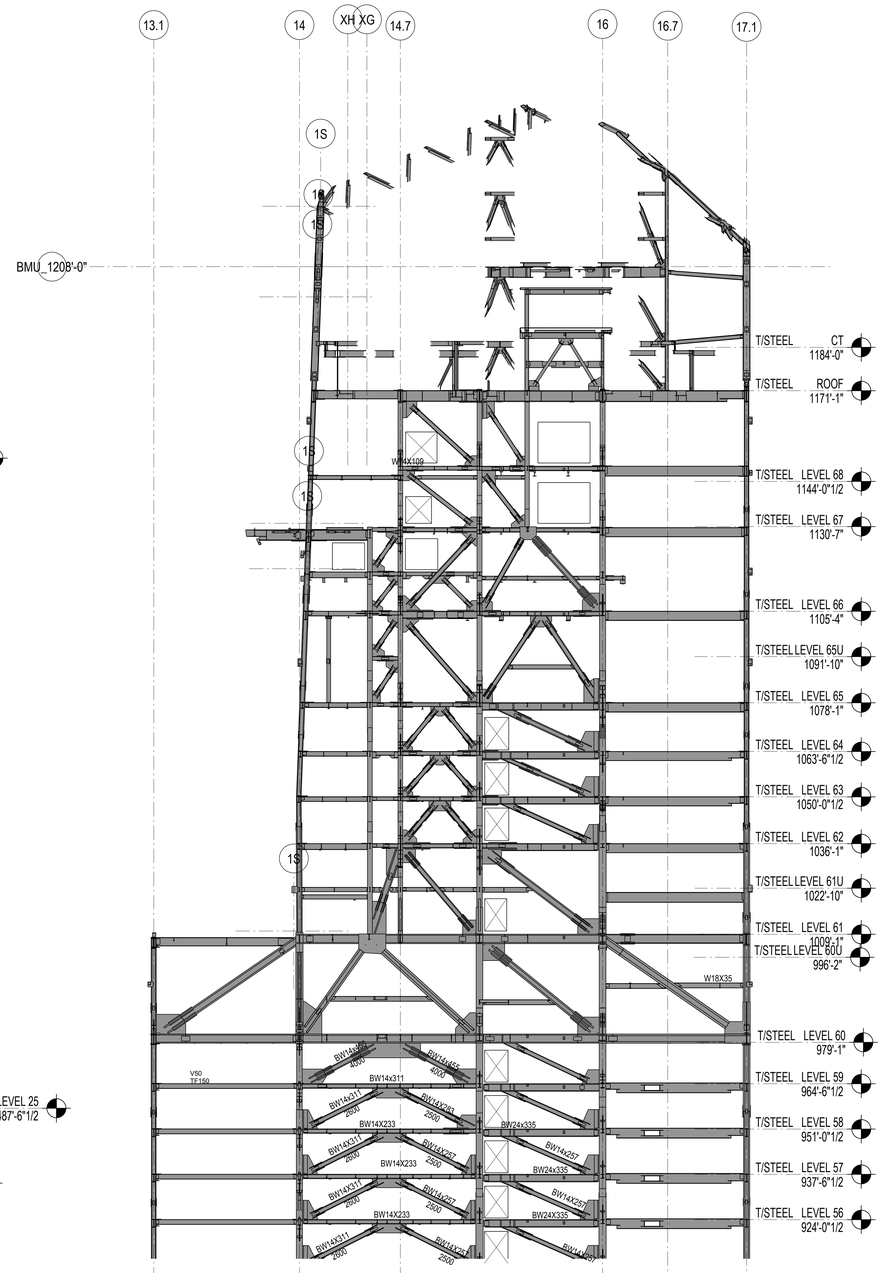
VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



2 ELEVATION AT GRID B ABOVE 55TH FLOOR
SCALE 1/32" = 1'-0"

0 8' 16' 32'

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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No.	Description	Date
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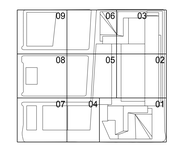
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

HYE-TA-S2-3002
Drawing Title

ELEVATION AT GRID B ABOVE 22ND FLOOR

Drawing Number
S2-3002
B-Scan Drawing Number
S-371.01

SHEET 207 OF 443

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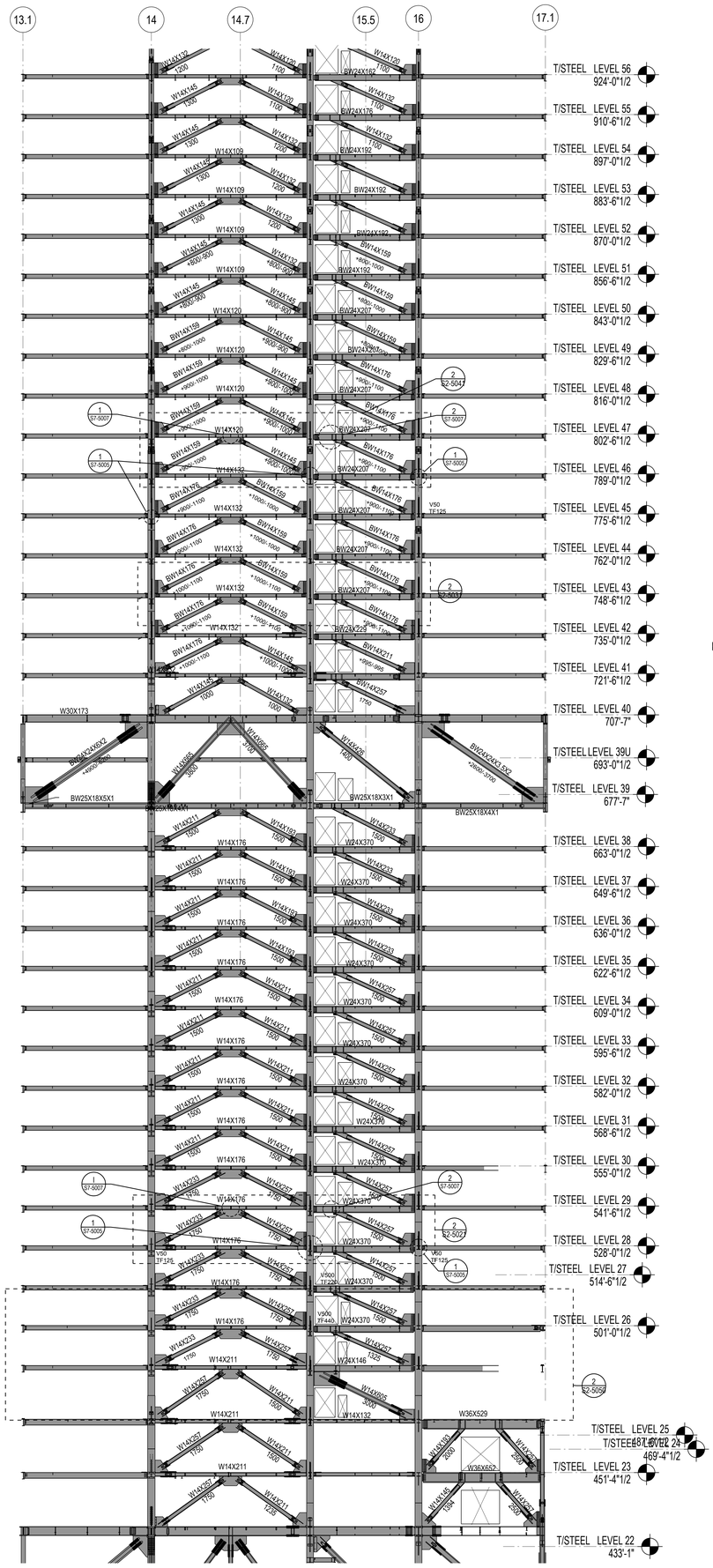
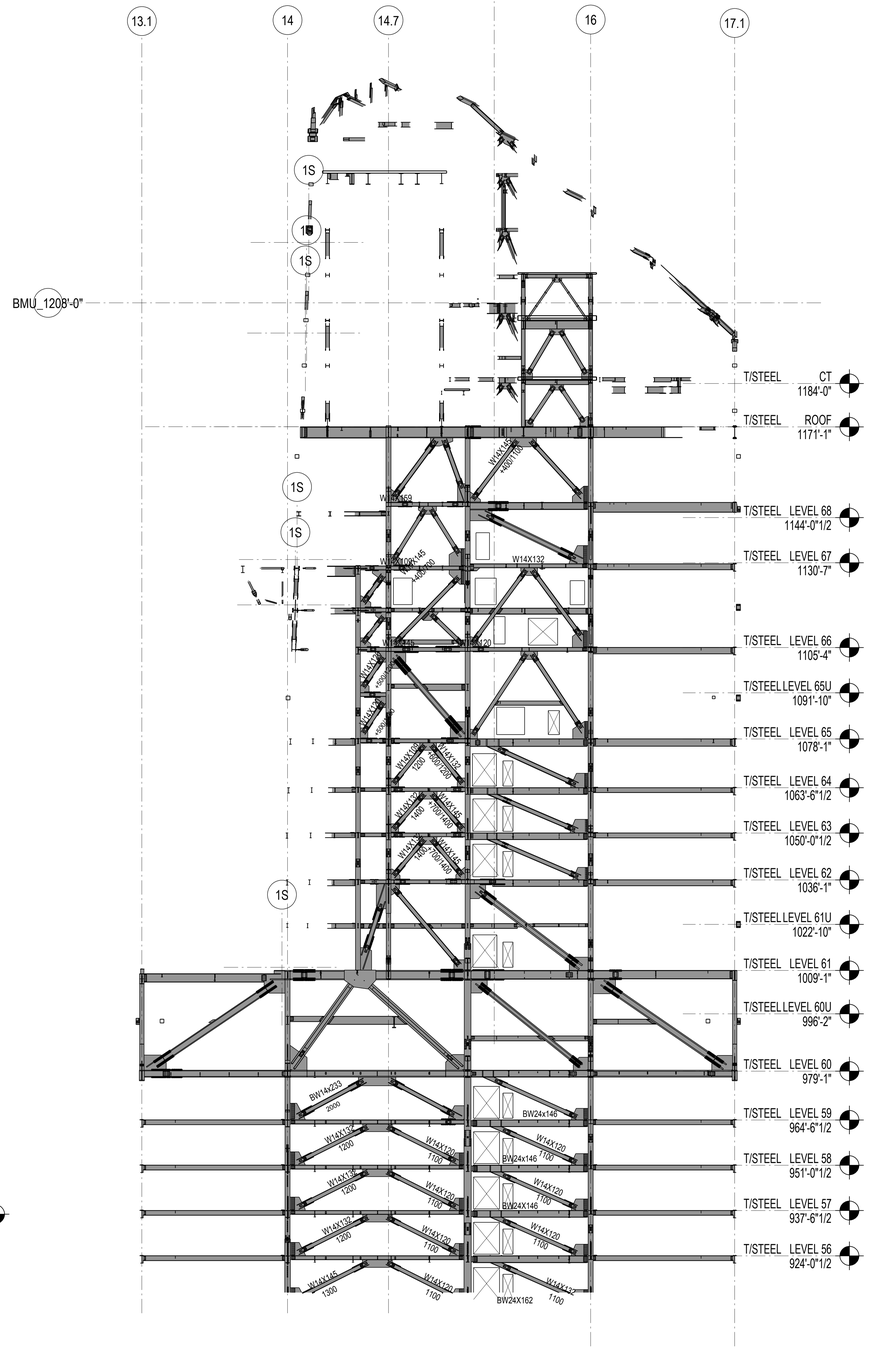
CAT DE #4000373 0905251 Job Number
E3914950450 Bldg Code



1 ELEVATION AT GRID C.1 FROM 22ND TO 56TH FLOOR
NOT TO SCALE



2 ELEVATION AT GRID C.1 ABOVE 55TH FLOOR
NOT TO SCALE

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15.3
TYPICAL BRACED FRAME NOTES
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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No.	Description	Date
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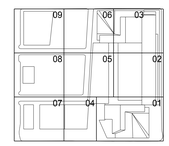
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2017
NYC Development Hub

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-3003
Drawing Title

ELEVATION AT GRID C.1 ABOVE 22ND FLOOR

Drawing Number
S2-3003
K-Scan Drawing Number
S-372.01

0 8' 16' 32'

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3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

   BRACED FRAME INTERNAL CONNECTIONS:

   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:

   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

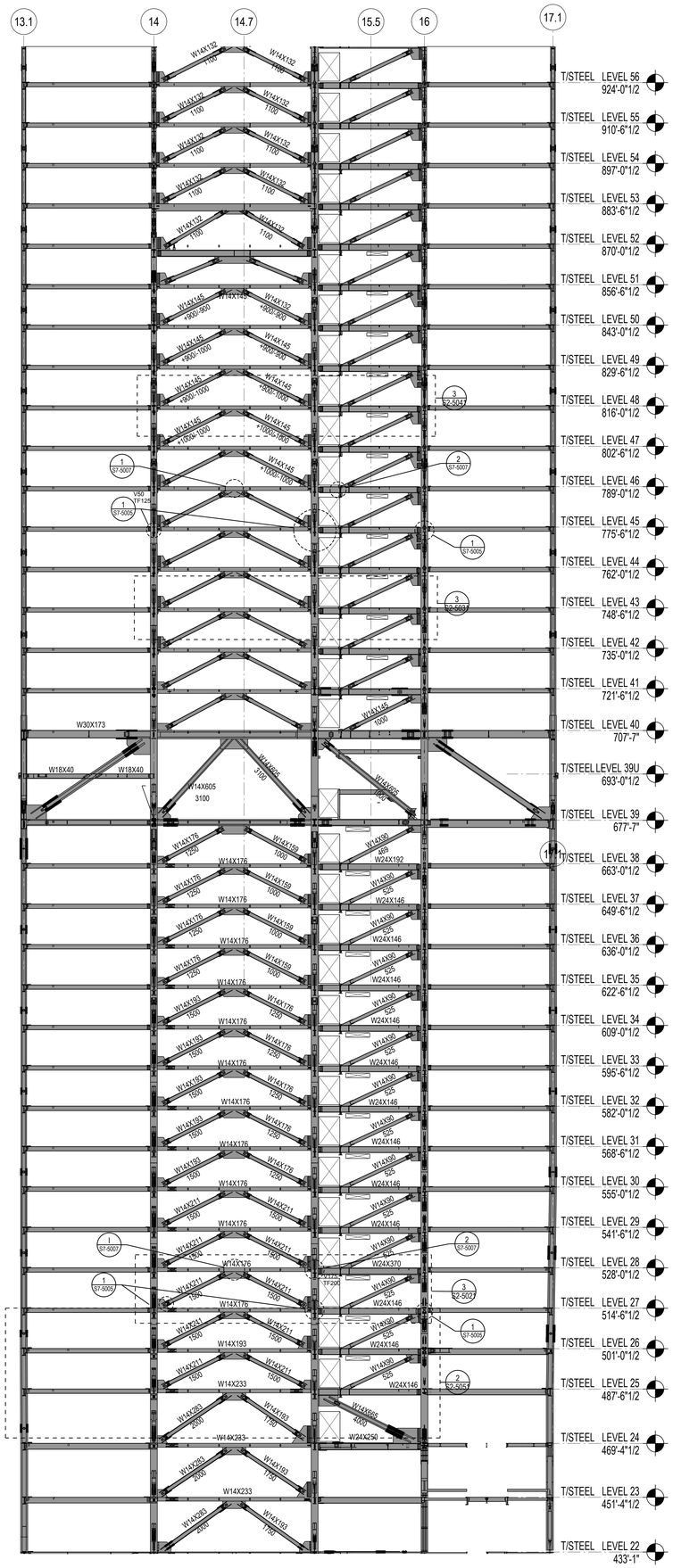
TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

MSXX INDICATES FACTORED MOMENT AT COLUMN SPLICE IN KIP-FT MOMENT ACTS ABOUT COLUMN STRONG AXIS UON SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE


13.1
14
14.7
15.5
16
17.1
T/STEEL LEVEL 56 924'-0"1/2
T/STEEL LEVEL 55 910'-6"1/2
T/STEEL LEVEL 54 897'-0"1/2
T/STEEL LEVEL 53 883'-6"1/2
T/STEEL LEVEL 52 870'-0"1/2
T/STEEL LEVEL 51 856'-6"1/2
T/STEEL LEVEL 50 843'-0"1/2
T/STEEL LEVEL 49 829'-6"1/2
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T/STEEL LEVEL 47 802'-6"1/2
T/STEEL LEVEL 46 789'-0"1/2
T/STEEL LEVEL 45 775'-6"1/2
T/STEEL LEVEL 44 762'-0"1/2
T/STEEL LEVEL 43 748'-6"1/2
T/STEEL LEVEL 42 735'-0"1/2
T/STEEL LEVEL 41 721'-6"1/2
T/STEEL LEVEL 40 707'-7"
T/STEEL LEVEL 39U 693'-0"1/2
T/STEEL LEVEL 39 677'-7"
T/STEEL LEVEL 38 663'-0"1/2
T/STEEL LEVEL 37 649'-6"1/2
T/STEEL LEVEL 36 636'-0"1/2
T/STEEL LEVEL 35 622'-6"1/2
T/STEEL LEVEL 34 609'-0"1/2
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T/STEEL LEVEL 28 528'-0"1/2
T/STEEL LEVEL 27 514'-6"1/2
T/STEEL LEVEL 26 501'-0"1/2
T/STEEL LEVEL 25 487'-6"1/2
T/STEEL LEVEL 24 469'-4"1/2
T/STEEL LEVEL 23 451'-4"1/2
T/STEEL LEVEL 22 433'-1"
W30X173
W18X40
W14X605
3100
W14X176
W14X211
W14X233
W14X283
W24X192
W24X146
W24X370
W24X250
W14X145
W14X132
W14X159
W14X193
W14X90
W14X109
W14X426
W14X550
W14X605
W14X730
W14X808
W14X873
W14X1000
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W14X3000
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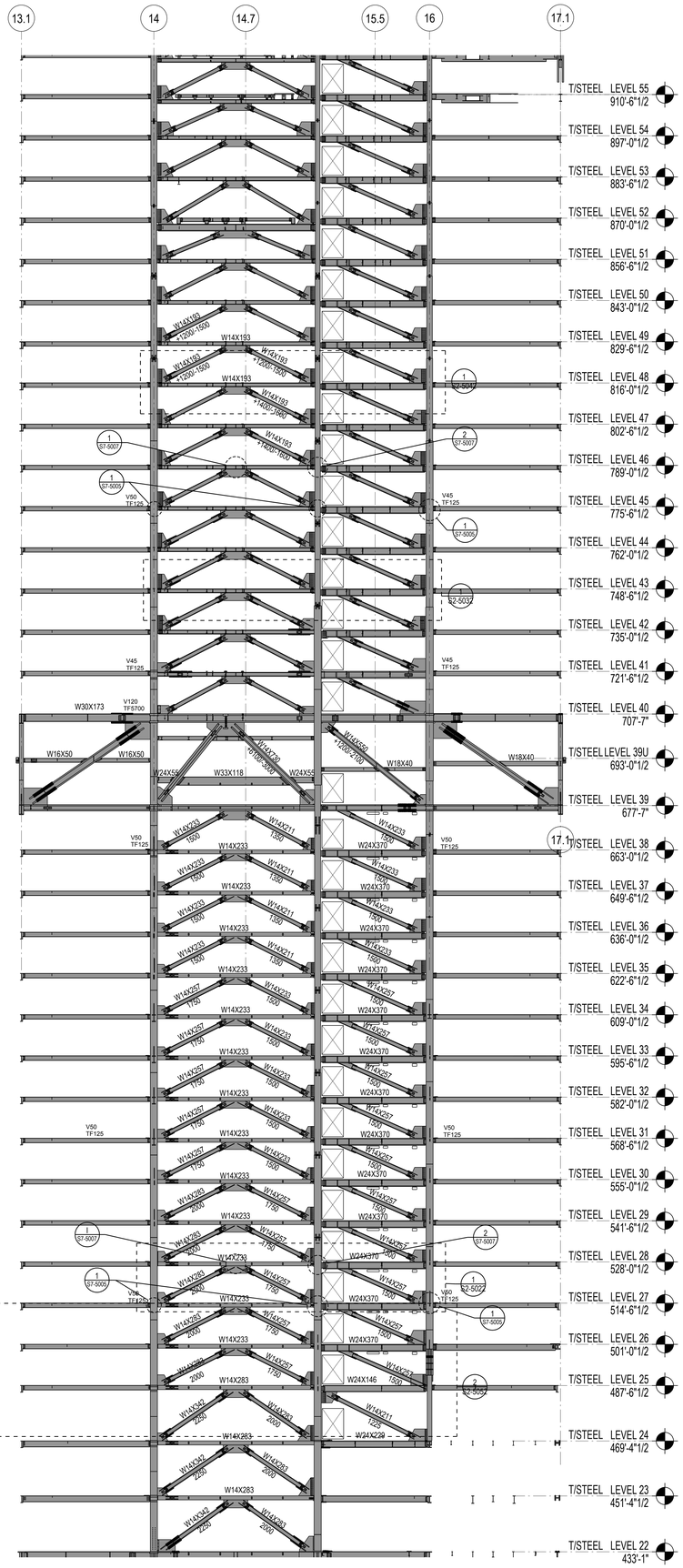
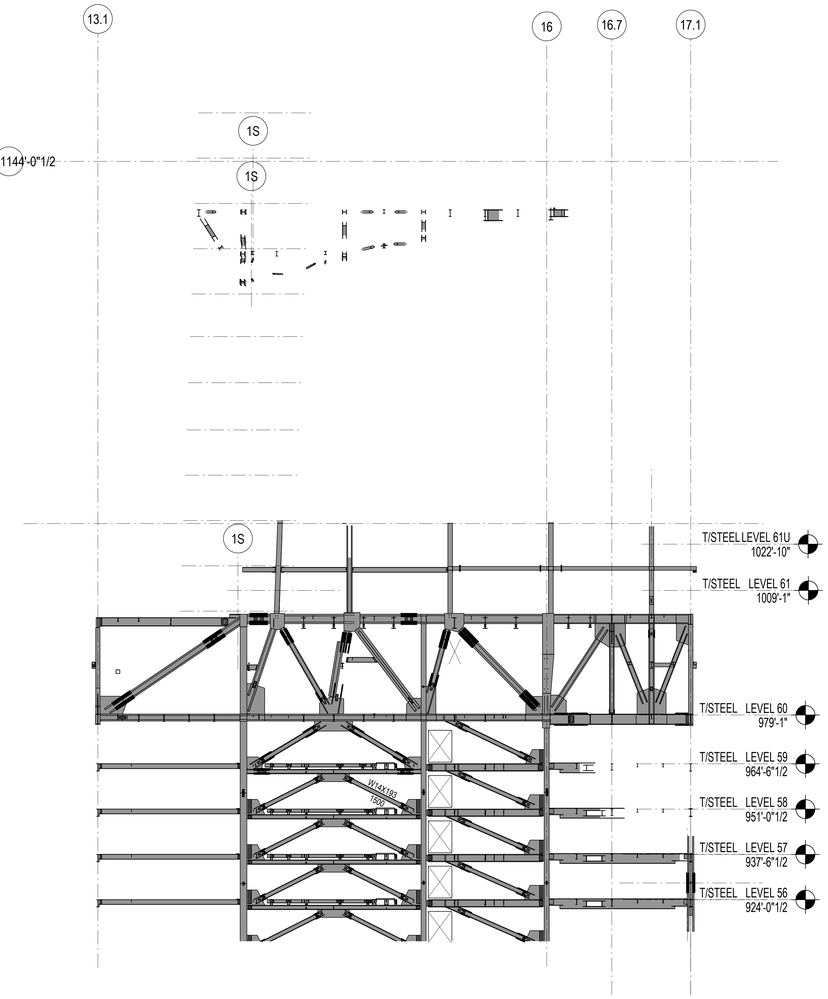


1 ELEVATION AT GRID E.1 FROM 22ND TO 56TH FLOOR
NOT TO SCALE



2 ELEVATION AT GRID E.1 ABOVE 55TH FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

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   BRACED FRAME INTERNAL CONNECTIONS:
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TYPICAL BRACED FRAME NOTES
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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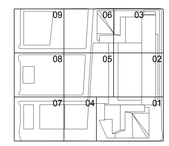
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 04/04/2022
NYC Development Hub

HYE-TA-S2-3005
Drawing Title

ELEVATION AT GRID E.1 ABOVE 22ND FLOOR

Drawing Number
S2-3005
R-Scan Drawing Number
S-374.01

SHEET 210 OF 443

0 8' 16' 32'

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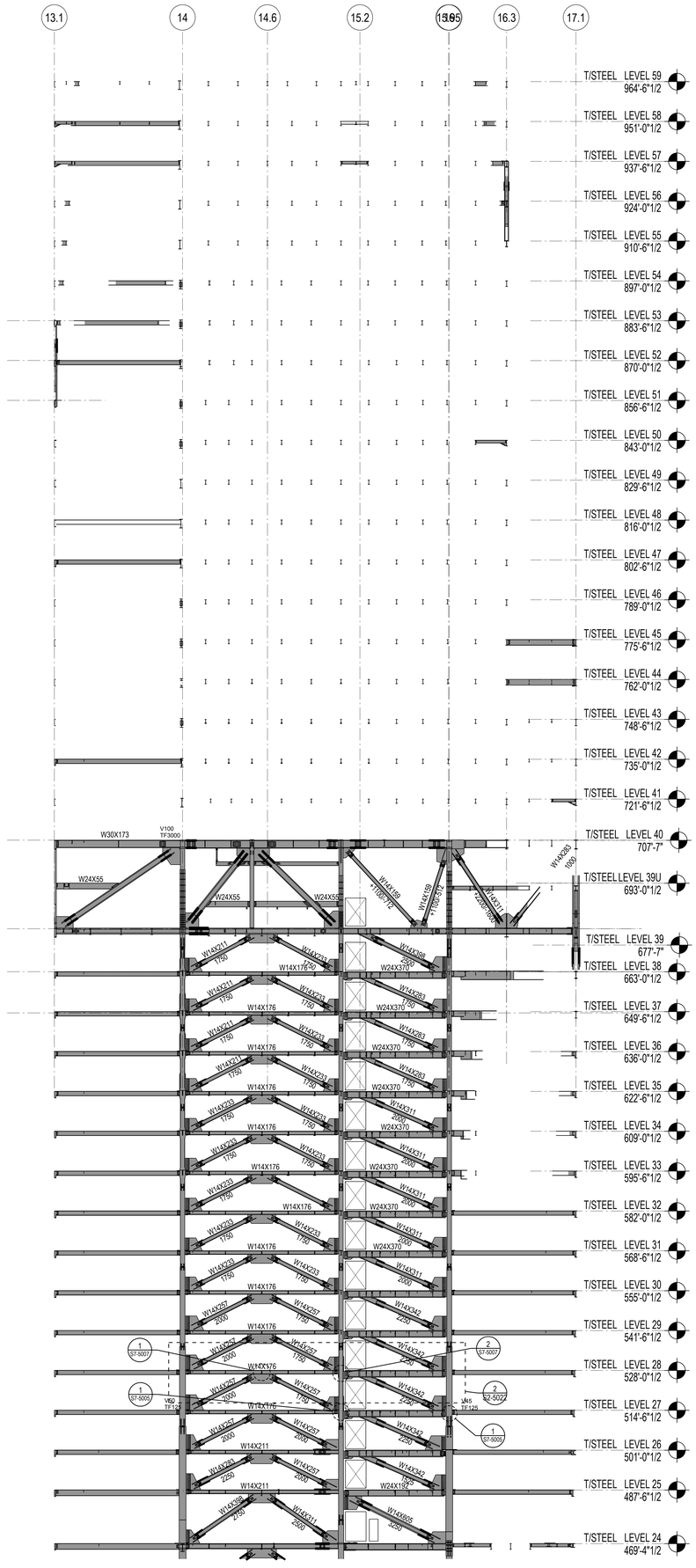

1 ELEVATION AT GRID F.6 ABOVE 23RD FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

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LEGEND:

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VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE

Damian Titus
Building
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 09/01/2017
NYC Development Hub

0 8' 16' 32'

CERTIFICATE NUMBER 201308251 Job Number
B1924301000 Work Order

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

Client
Related Companies
60 Columbus Circle
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No	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

09 06 03
08 05 02
07 04 01

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — DANIEL O'CONNELL — LICENSED PROFESSIONAL ENGINEER

Drawing Title
HYE-TA-S2-3006

ELEVATION AT GRID F.6 ABOVE 23RD FLOOR

Drawing Number
S2-3006
Kohn Drawing Number
S-375.01

SHEET 211 OF 443

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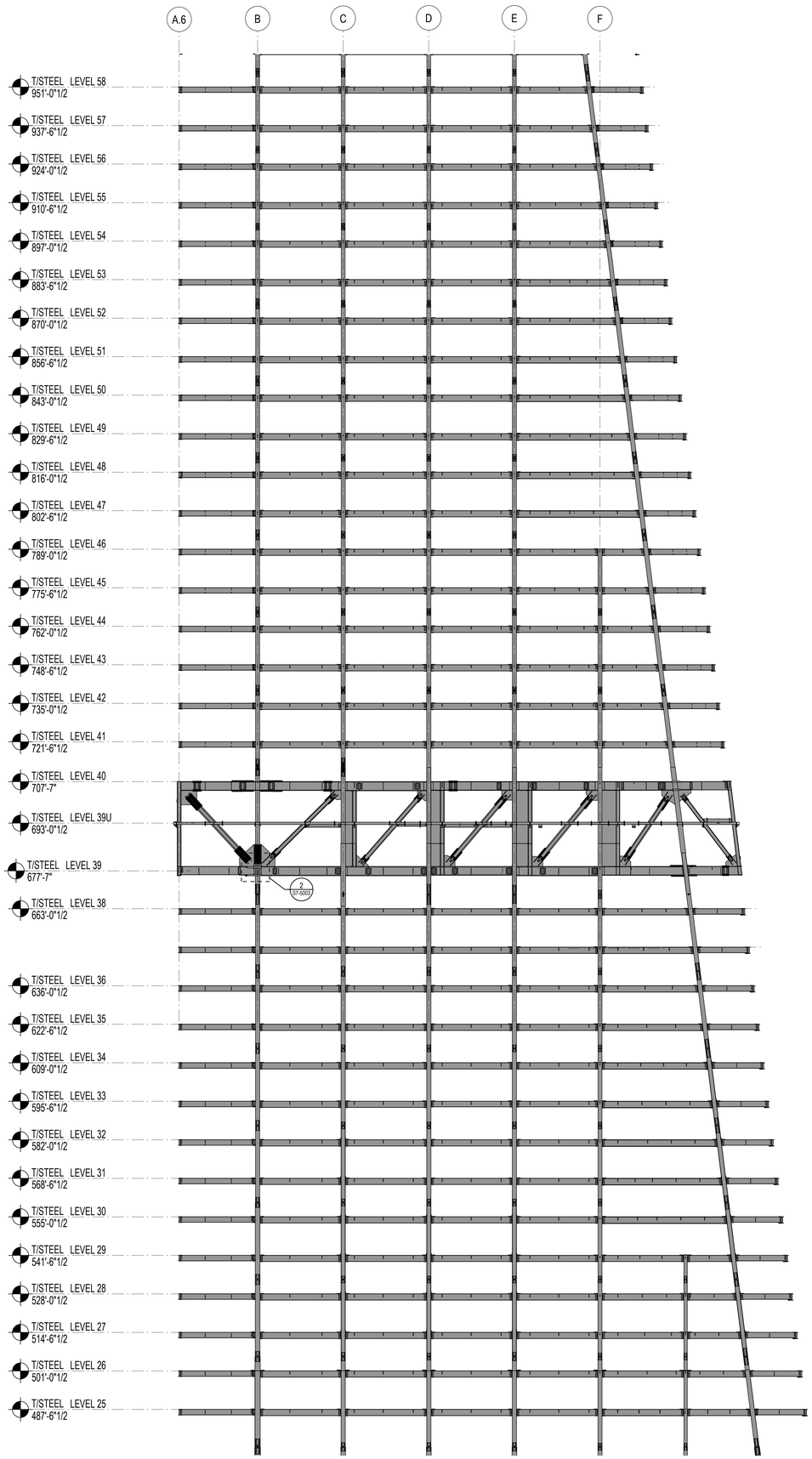

1 ELEVATION AT GRID 13 FROM 23RD TO 57TH FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
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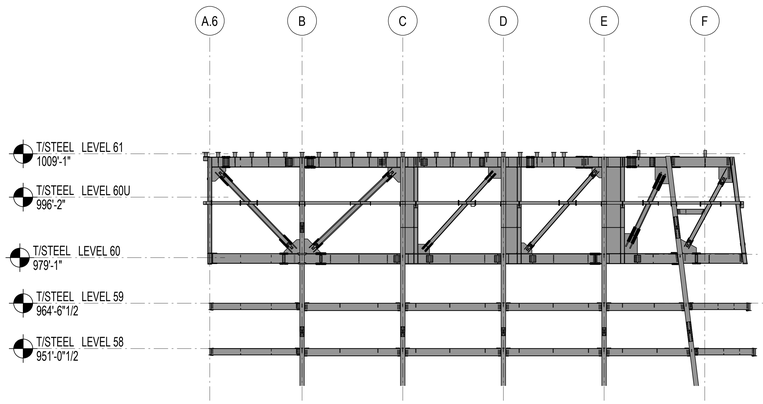

2 ELEVATION AT GRID 13 ABOVE 56TH FLOOR
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
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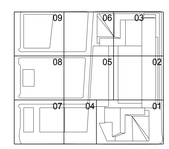
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-3050
Drawing Title

ELEVATION AT GRID 13 ABOVE 23RD FLOOR

Drawing Number
S2-3050
N-Scan Drawing Number
S-376.01

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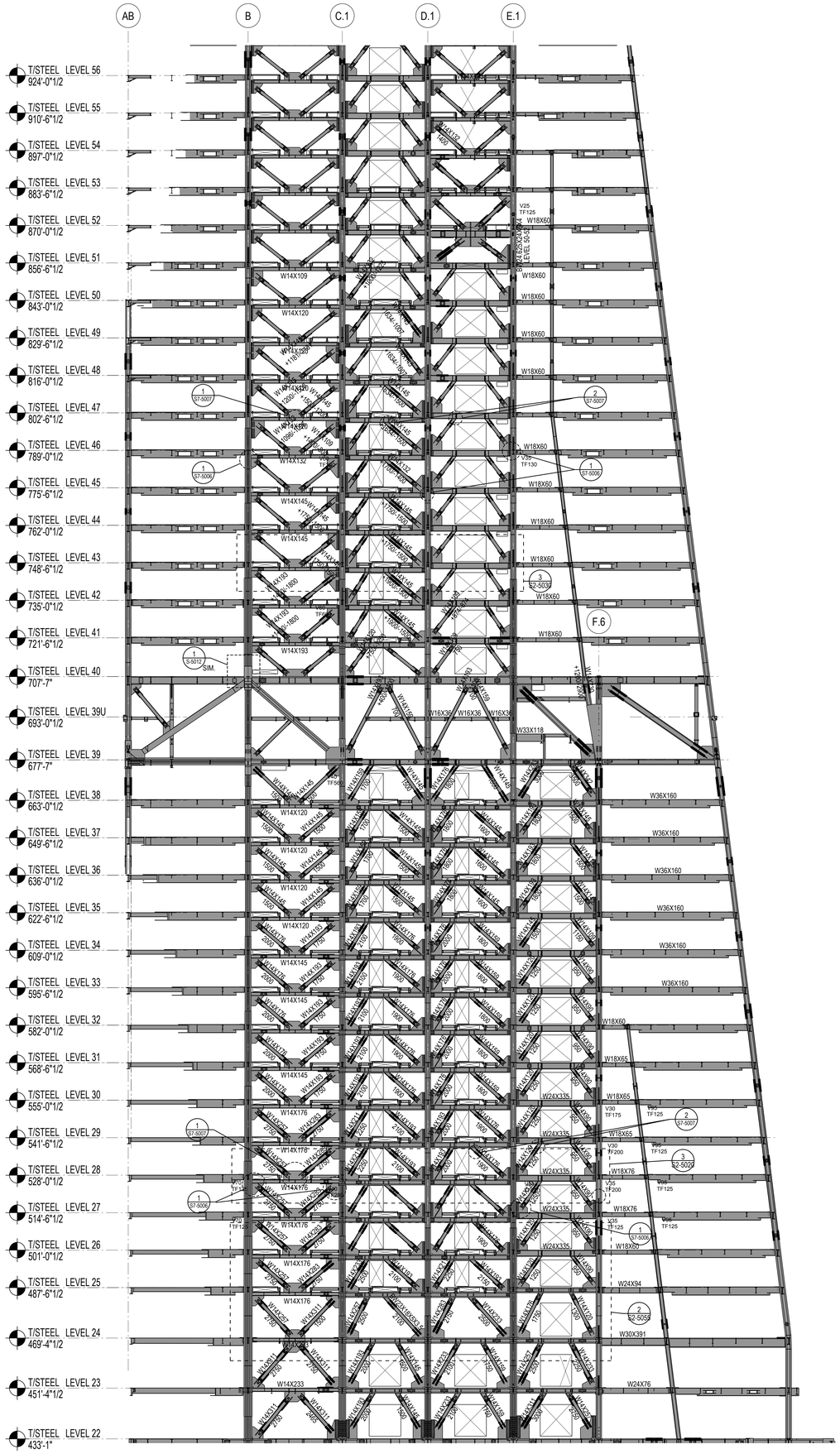
CERTIFICATE OF OCCUPANCY 2013/05/23 Job Number
B1000523D1M Shell Core



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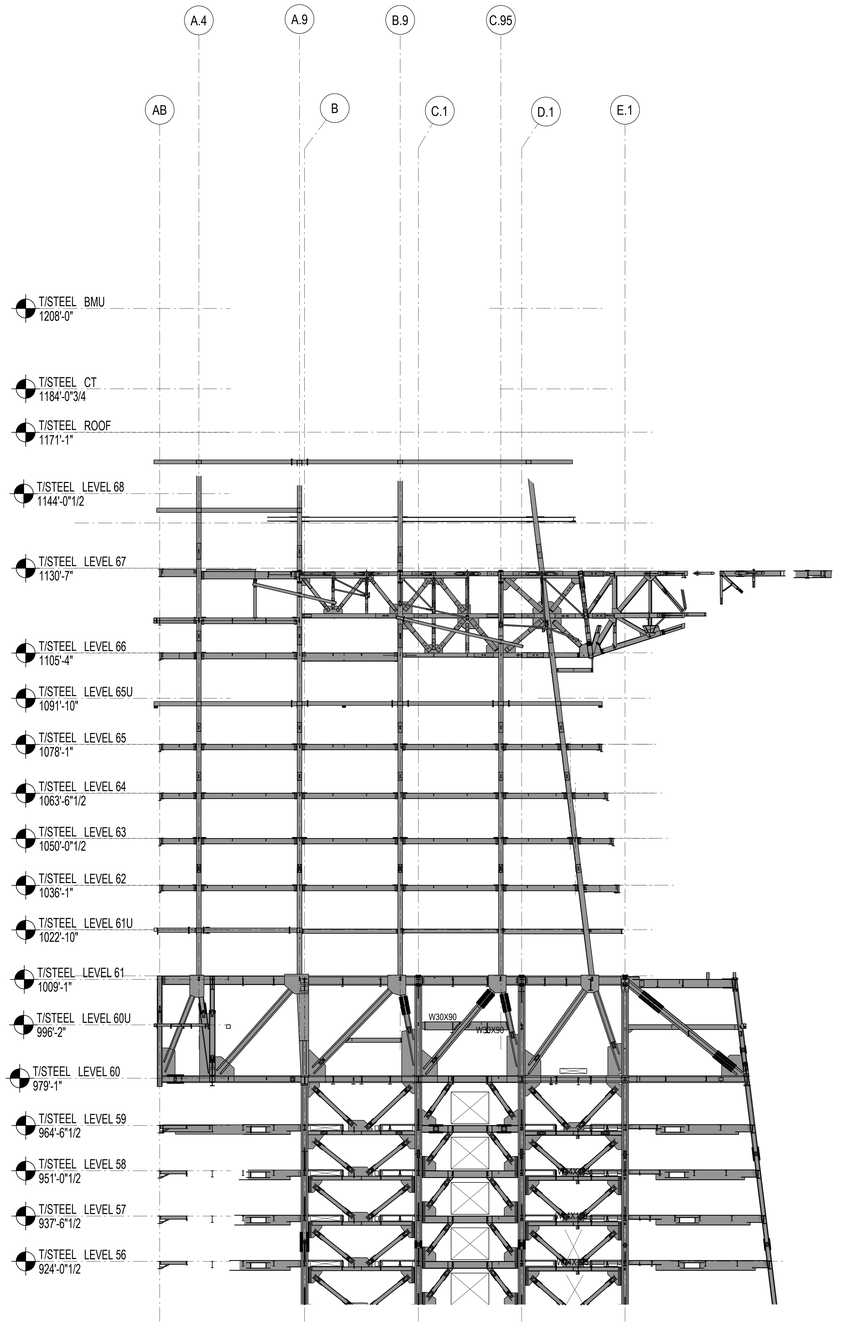

Damian Titus
Buildings
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Date: 05/05/2017
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No.	Description	Date
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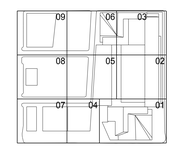
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By:
Sheet Number

STATE OF NEW YORK — DAMIAN TITUS — LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-3051
Drawing Title

ELEVATION AT GRID 14 ABOVE 22ND FLOOR

Drawing Number
S2-3051
B-Scan Drawing Number

S-377.01

SHEET 213 OF 443

0 8' 16' 32'

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CERTIFICATE NUMBER: 2015080501 Job Number
ESMT-270035 Work Order

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

   BRACED FRAME INTERNAL CONNECTIONS:

   200 KIPS TYP.

   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:

   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

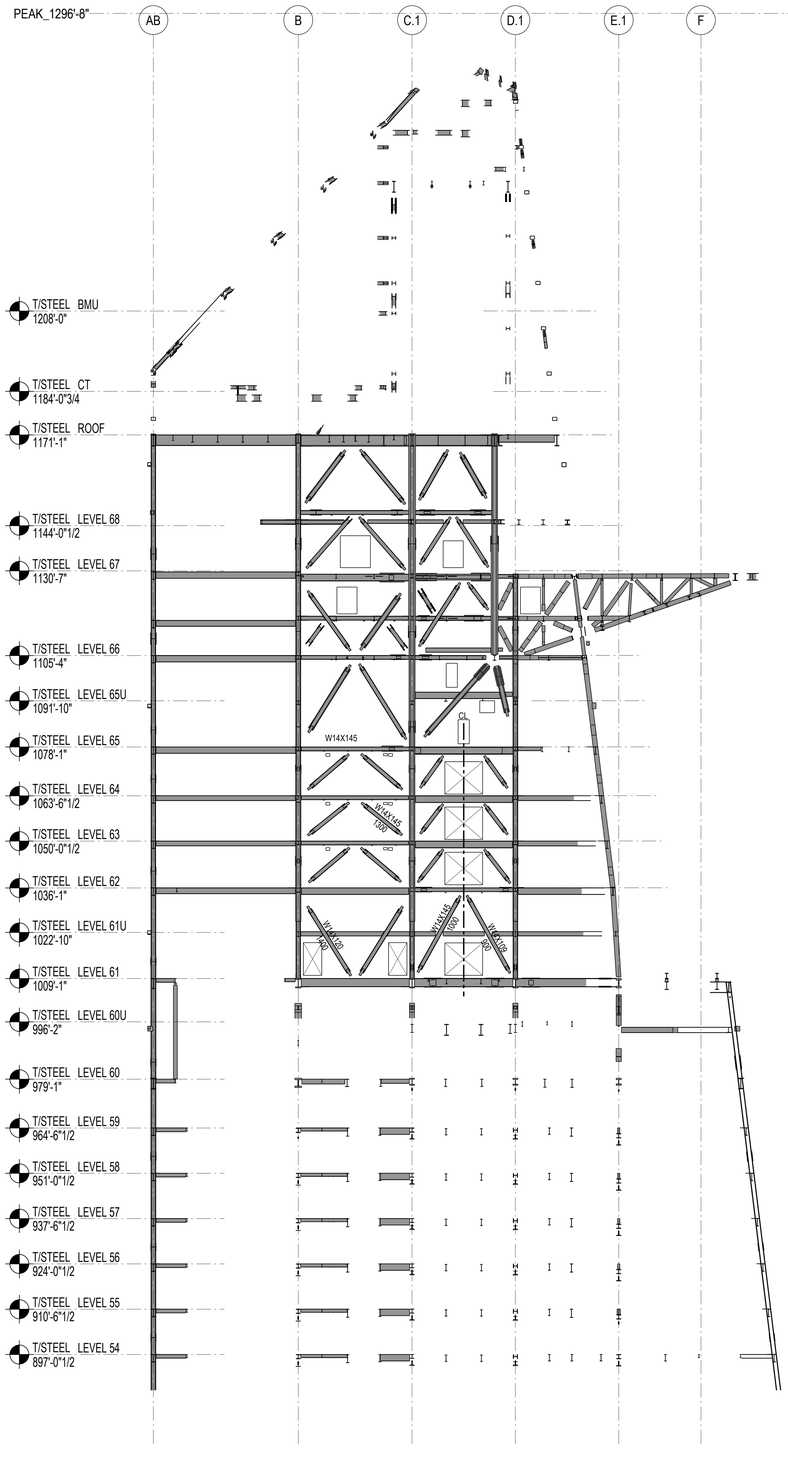
TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS

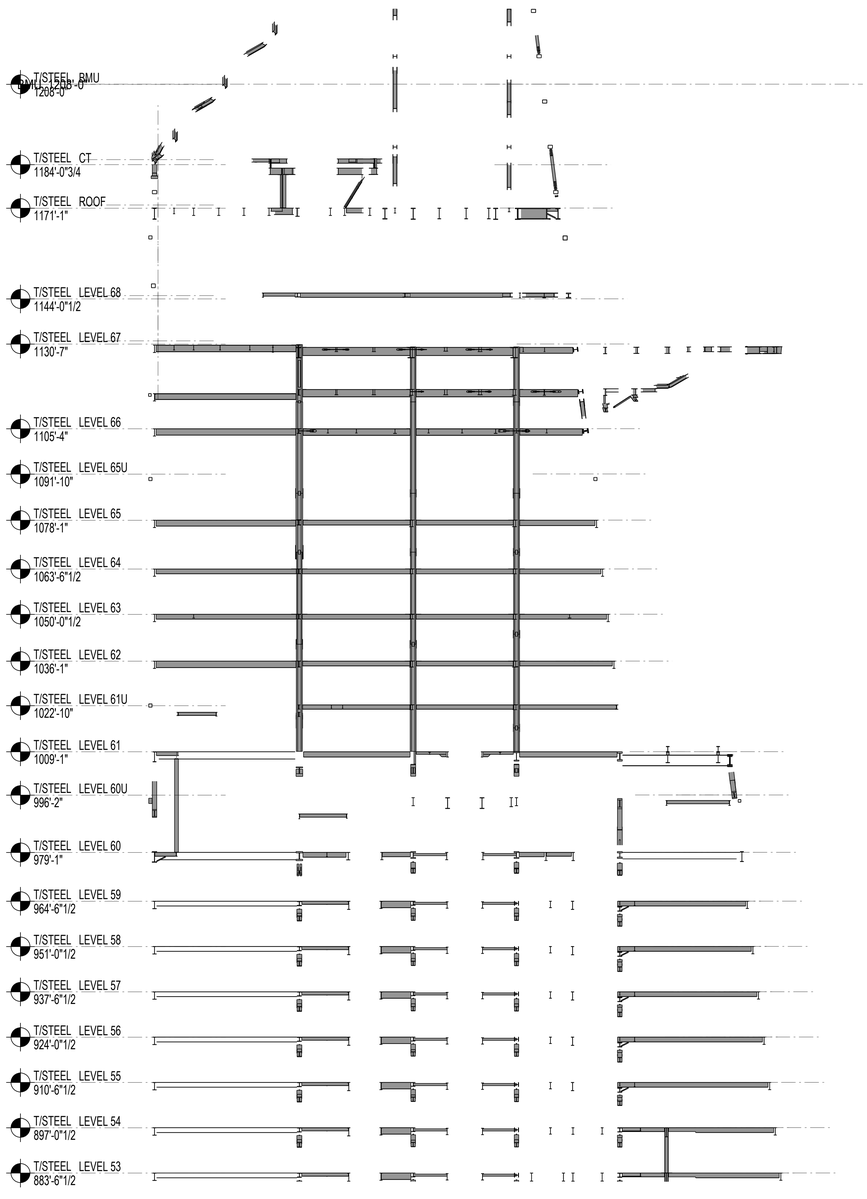
MSXX INDICATES FACTORED MOMENT AT COLUMN SPLICE IN KIP-FT MOMENT ACTS ABOUT COLUMN STRONG AXIS UON SEE TENSION/MOMENT COLUMN SPLICE DETAIL

VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



1 ELEVATION AT GRID 14.7 ABOVE 53RD FLOOR
NOT TO SCALE



2 ELEVATION AT GRID 14.3 ABOVE 53RD FLOOR
NOT TO SCALE

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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60 Columbus Circle
New York, NY 10023
TEL: 212.801.1000 FAX: 212.801.1048

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New York, NY 10022
TEL: 212.986.7514 FAX: 212.986.7510

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New York, New York 10036
TEL: 212.977.6500 FAX: 212.956.2526

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Mechanical, Electrical, Plumbing, Fire Protection
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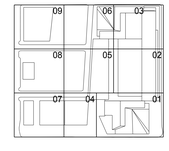
TEL: 212.530.9300 FAX: 212.269.5894

Retail Interior Design & Planning
Elkus-Manfredi
300 A Street
Boston, MA 02210
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-3052
Drawing Title

ELEVATION AT GRID 14.3 AND 14.7 ABOVE 22ND FLOOR

Drawing Number
S2-3052
B-Scan Drawing Number
S-378.01

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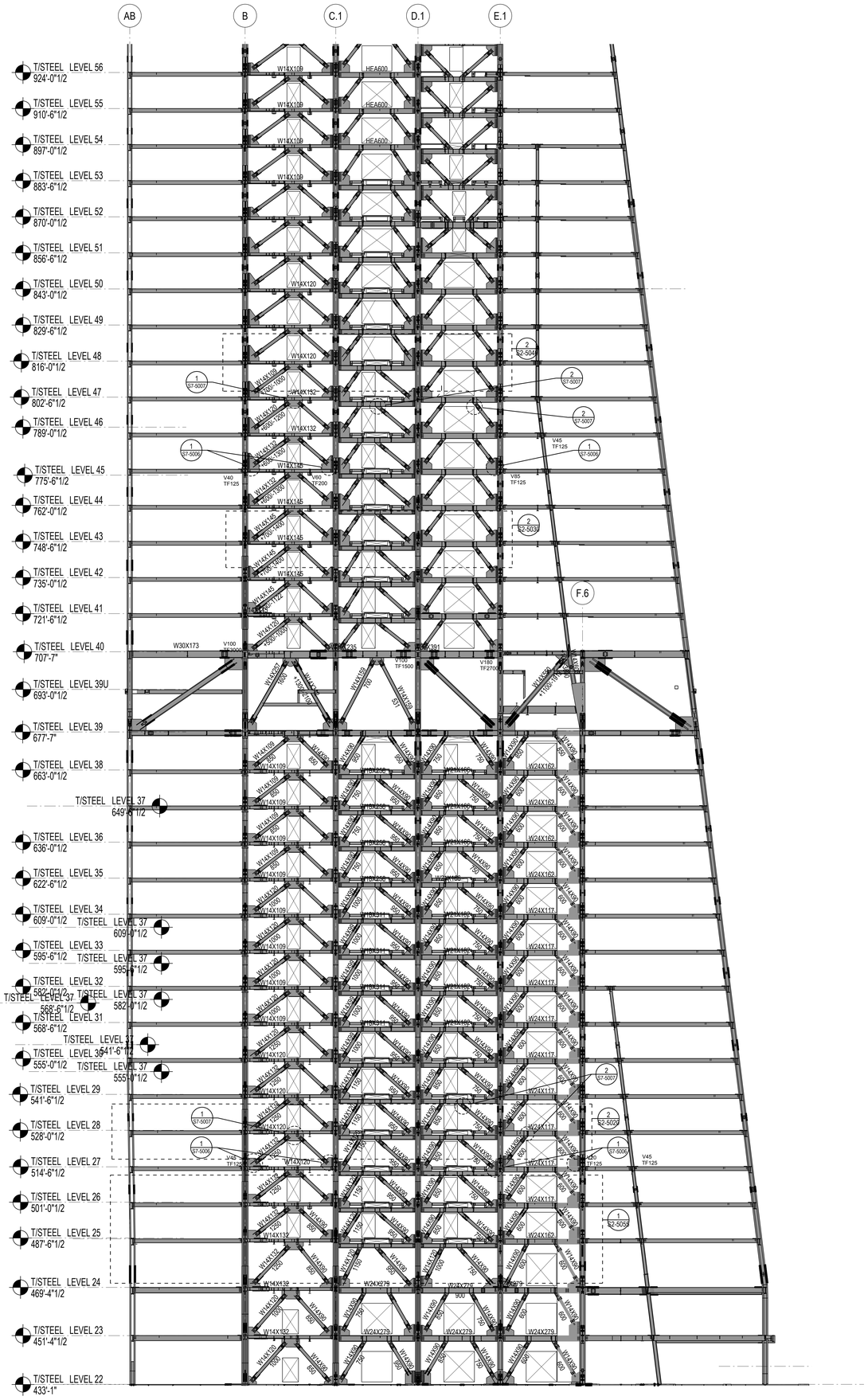

1 ELEVATION AT GRID 15 FROM 22ND TO 56TH FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS
   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:
   BRACED FRAME INTERNAL CONNECTIONS:
   200 KIPS TYP.
   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:
   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
6. SEE PLAN FOR COLUMN ORIENTATION
7. SEE STEEL COLUMN SCHEDULE FOR COLUMN SIZE
8. SEE STEEL BEAM LEGEND ON FRAMING PLAN FOR KEY TO BEAM DATA AND FORCES NOT SHOWN
9. ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
10. MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS

LEGEND:

TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS

TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL

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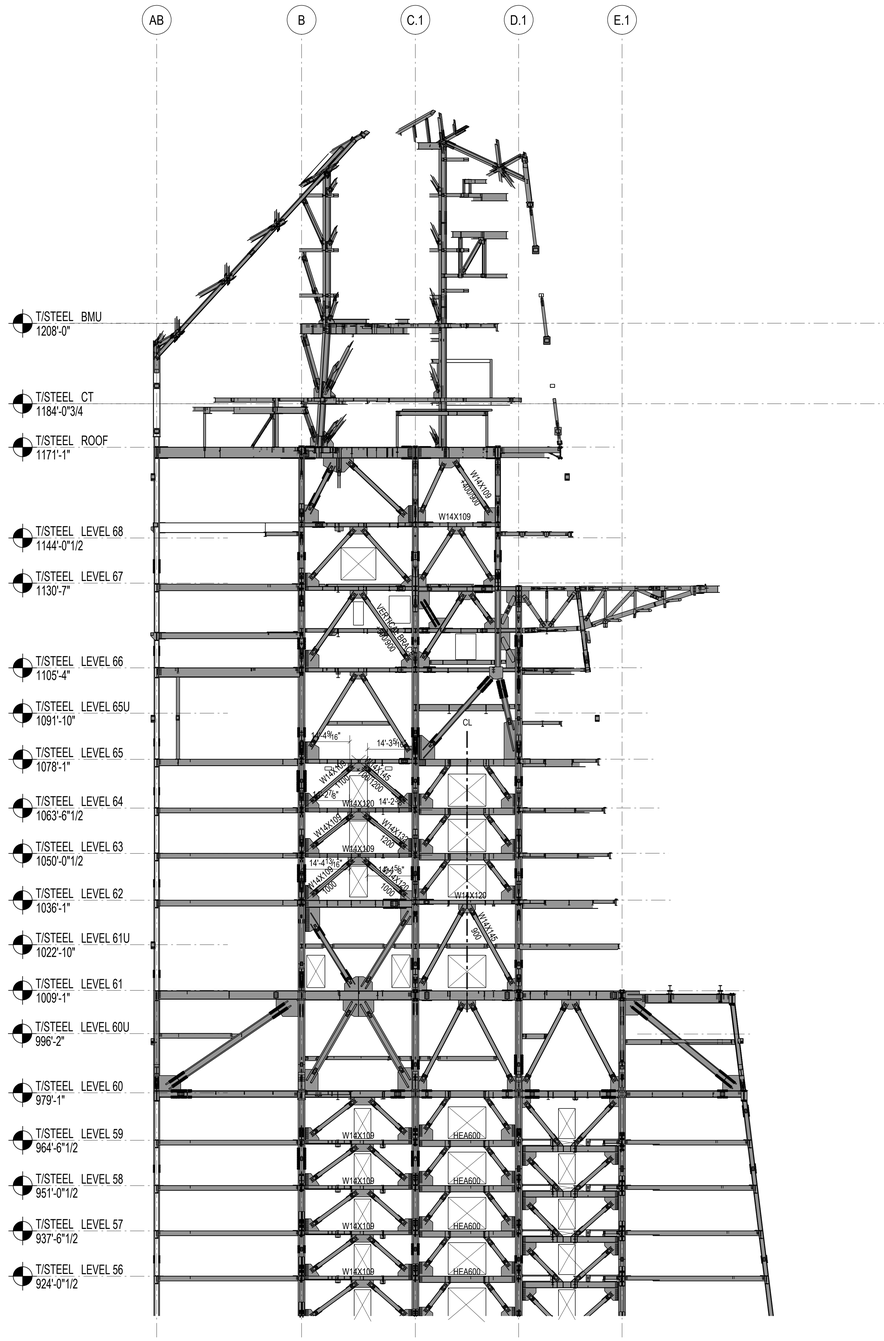
VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



2 ELEVATION AT GRID 15 ABOVE 55TH FLOOR
NOT TO SCALE

Damian Titus
Building
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

0 8' 16' 32'

HUDSON YARDS - RETAIL PODIUM AND TOWER A
500 WEST 33RD STREET
New York, NY

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Related Companies
60 Columbus Circle
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No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan

Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

HYE-TA-S2-3053
Drawing Title

ELEVATION AT GRID 15 ABOVE 22ND FLOOR

Drawing Number
S2-3053
Alt/Sun Drawing Number
S-379.01

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CERTIFICATE NUMBER: 21195231 Job Number
E-20151205056 Work Order

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

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LEGEND:

- TFXX INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH THE CONNECTION JOINT INTO THE FAR MEMBER IN KIPS
- TSXX INDICATES FACTORED AXIAL TENSION COLUMN SPLICE FORCE IN KIPS SEE TENSION/MOMENT COLUMN SPLICE DETAIL
- VXX INDICATES FACTORED SHEAR FORCE IN BRACED FRAME BEAMS
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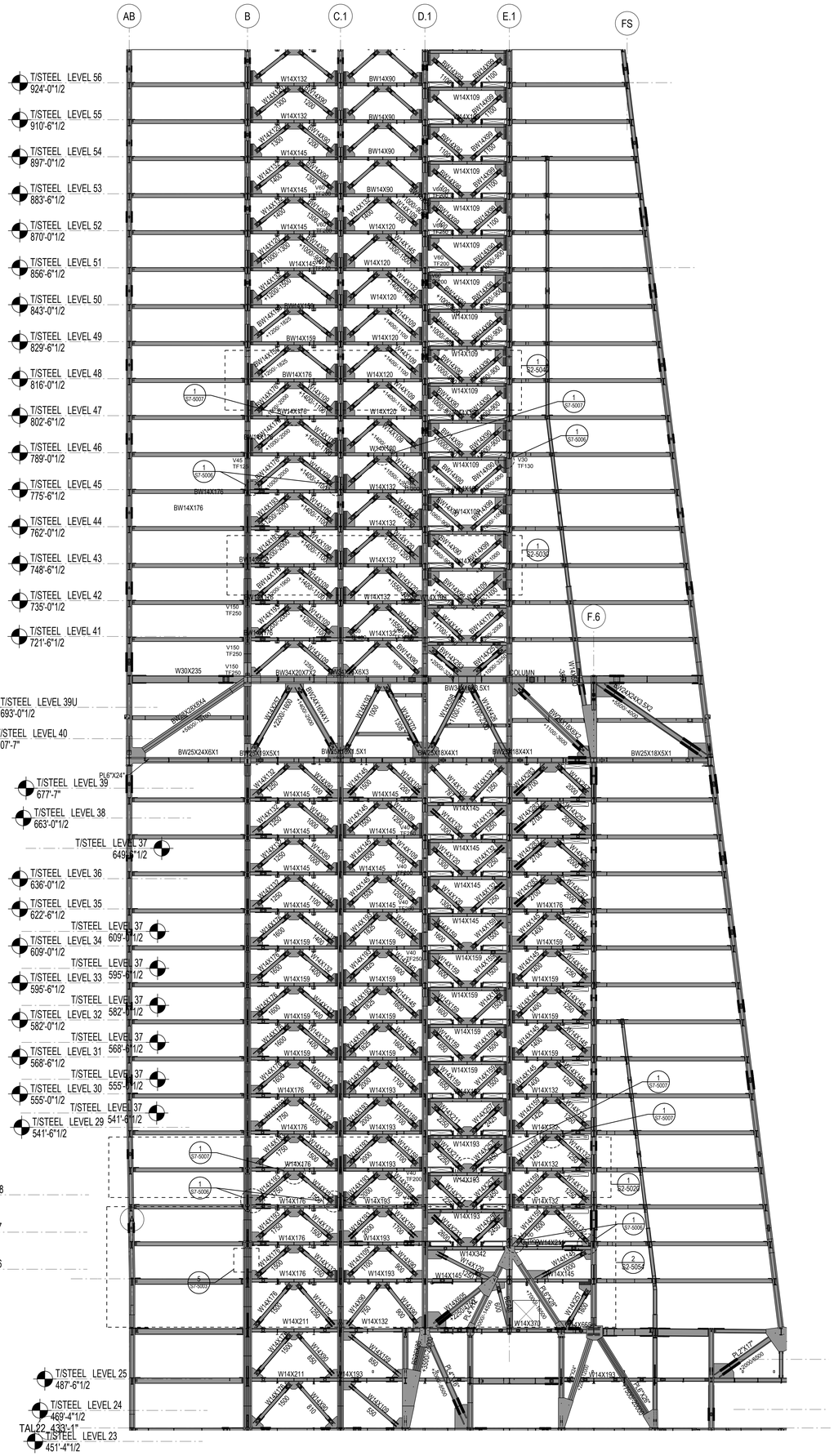
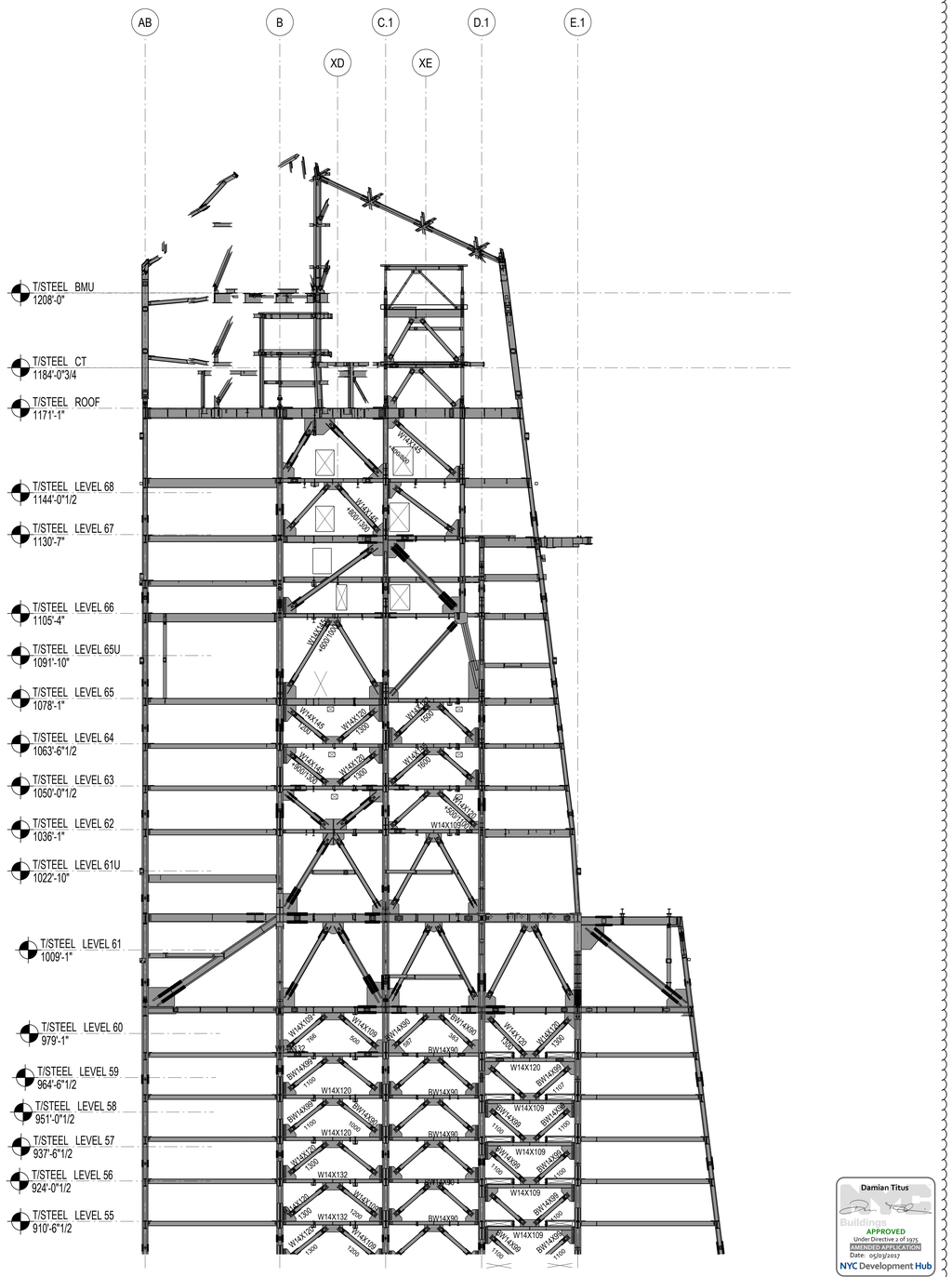
- VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE



1 ELEVATION AT GRID 16 FROM 22ND TO 56TH FLOOR
NOT TO SCALE



2 ELEVATION AT GRID 16 ABOVE 55TH FLOOR
NOT TO SCALE

0 8' 16' 32'

Damian Titus
Buildings
APPROVED
Under Directive 1 of 1975
AMENDED APPLICATION
Date: 05/03/2017
NYC Development Hub

HUDSON YARDS - RETAIL PODIUM AND TOWER A

500 WEST 33RD STREET
New York, NY

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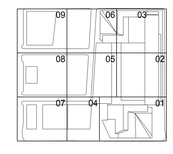
TEL: 617.426.1300

No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

STATE OF NEW YORK
DEPARTMENT OF STATE
LICENSED PROFESSIONAL ENGINEER

HYE-TA-S2-3054
Drawing Title

ELEVATION AT GRID 16 ABOVE 22ND FLOOR

Drawing Number
S2-3054
B-Scan Drawing Number
S-380.01

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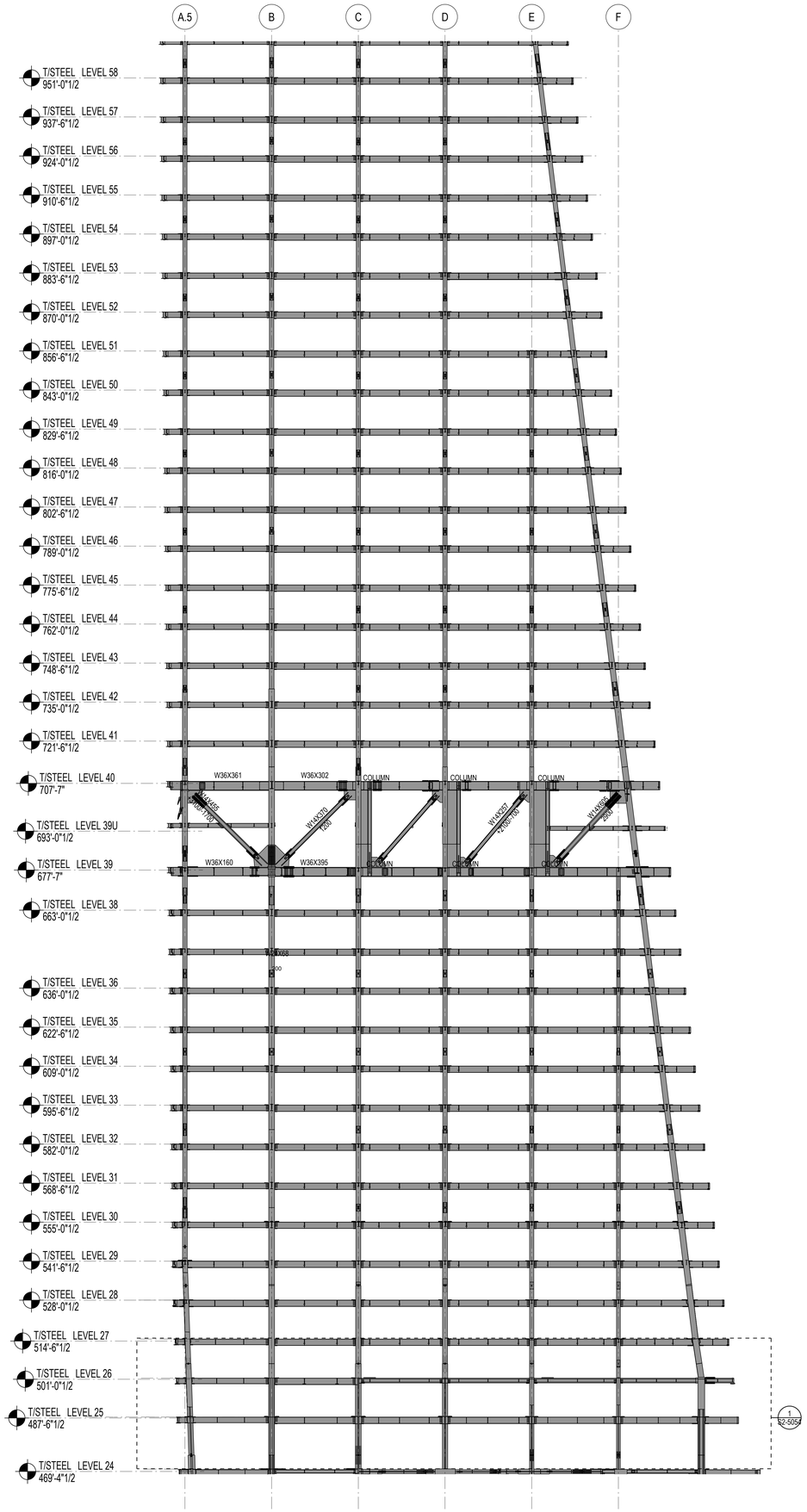
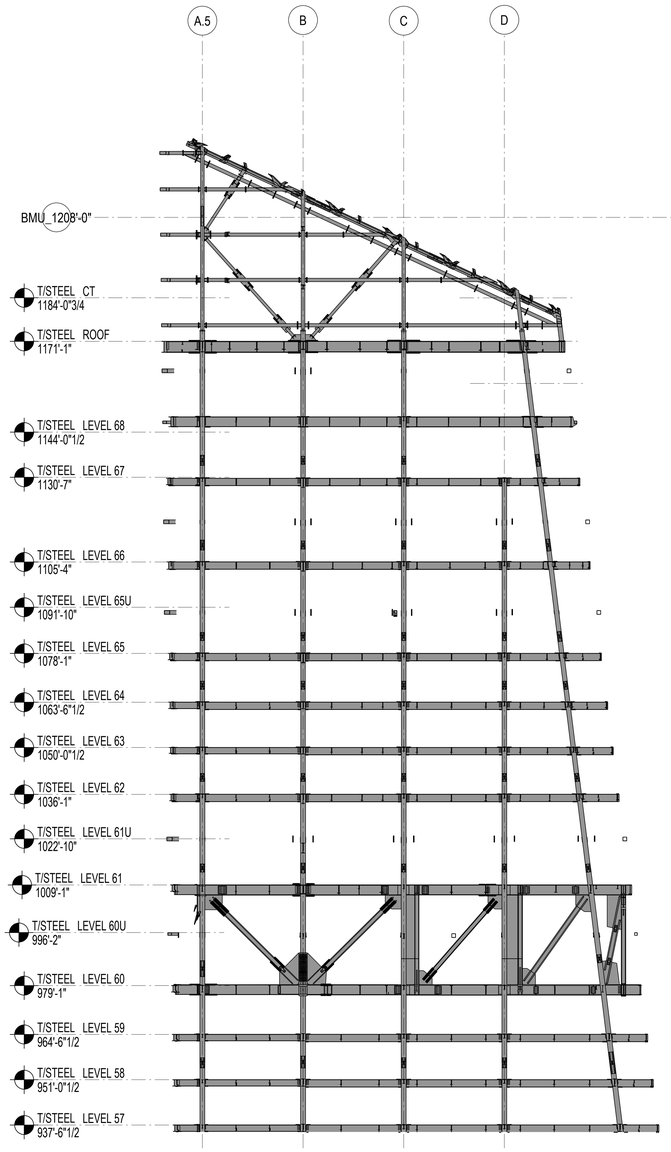


1 ELEVATION AT GRID 17.1 FROM 23RD TO 57TH FLOOR
NOT TO SCALE



2 ELEVATION AT GRID 17.1 ABOVE 56TH FLOOR
NOT TO SCALE

GENERAL BRACED FRAME NOTES:

1. REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
2. ALL FORCES (KIPS) ARE FACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED AS FOLLOWS

   +XXX INDICATES TENSION ONLY
   -XXX INDICATES COMPRESSION ONLY
3. IF NOT INDICATED, DESIGN BRACE FRAME BEAM TO COLUMN CONNECTIONS FOR A MINIMUM TRANSFER FORCE OF:

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   BEAMS FRAMING TO COLUMNS OPPOSITE BRACED FRAME:
   125 KIPS FLOORS 25-TOP
   200 KIPS @ FLOORS 1-25
4. SEE TYPICAL BRACE CONNECTION DETAILS
5. ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:

   (H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
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LEGEND:

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VSXX INDICATES FACTORED SHEAR AT COLUMN SPLICE IN KIPS SHEAR ACTS PARALLEL TO MOMENT FRAME UON

TYPICAL BRACED FRAME NOTES
NOT TO SCALE

HUDSON YARDS - RETAIL PODIUM AND TOWER A

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New York, NY

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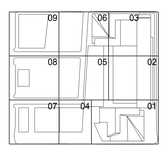
No.	Description	Date
2	D.O.B AMENDMENT #2	10/15/2016
1	D.O.B BUILDING PERMIT FILING	12/10/2014

Key Plan



Issue Date 12/10/2014
Project No. N11328.00
Drawn By
Sheet Number

Damian Titus
Buildings.com
APPROVED
Under Directive 2 of 1975
APPROVED AS A FILED APPLICATION
Date: 05/03/2017
NYC Development Hub

HYE-TA-S2-3055
Drawing Title

ELEVATION AT GRID 17.1 ABOVE 23RD FLOOR

Drawing Number
S2-3055
Prior Drawing Number
S-381.01

0 8' 16' 32'

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