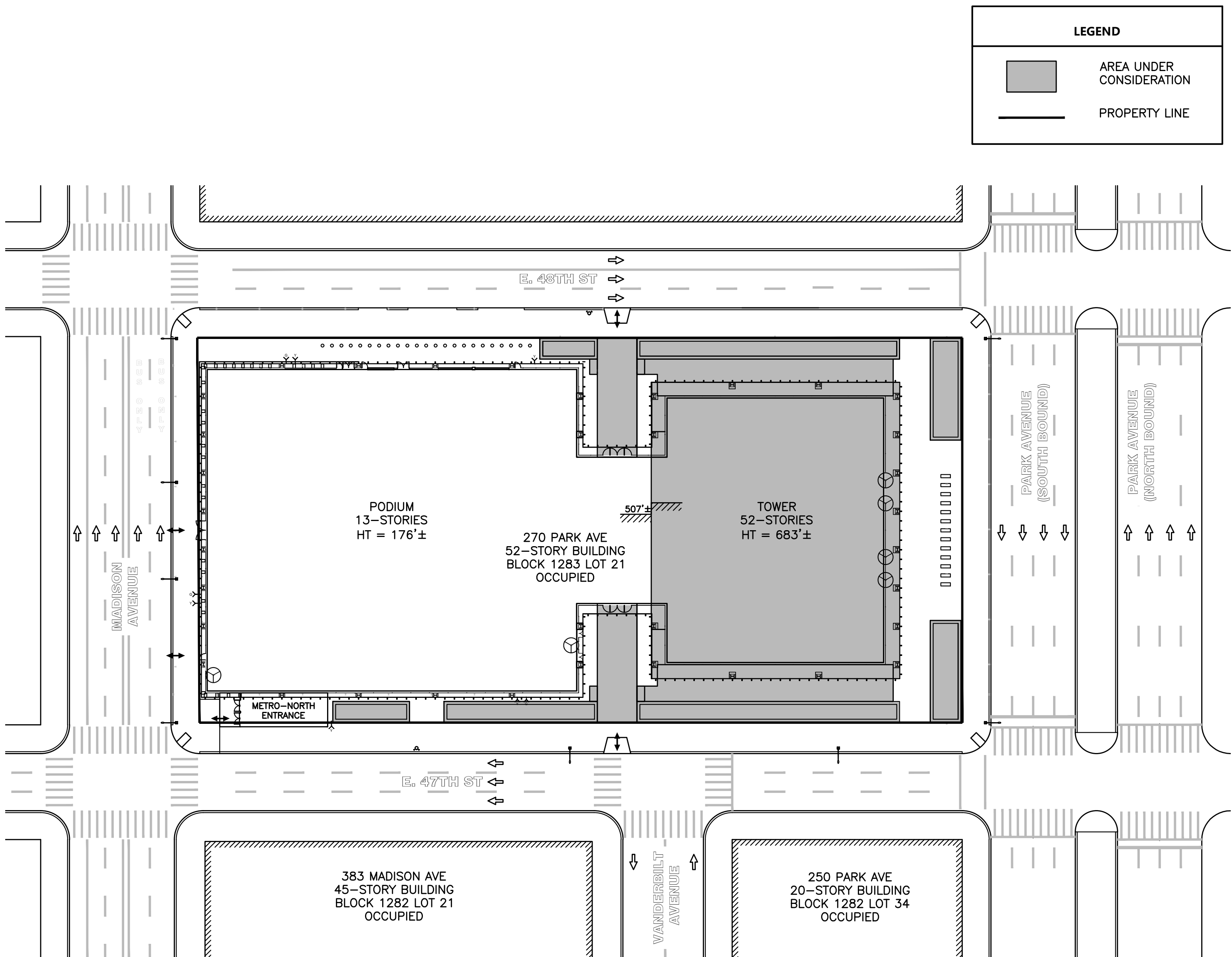


SITE SAFETY PLAN FOR DEMOLITION OPERATIONS AT 270 PARK AVE, MANHATTAN, NY

PHASE 1.1
PHASE 1.2

JOB NO. 123381599
JOB NO. 123377782



KEY PLAN
Scale : 1" = 40'



PHASE 1 :

PHASE 1.1 NON-STRUCTURAL INTERIOR DEMOLITION AT THE 41ST AND 29TH FLOORS

PHASE 1.2 DEMOLITION AND REMOVAL OF CONCRETE PLANTERS AND TWO CANOPY STRUCTURES

DRAWING LIST :	
PHASE 1 :	
SSP-001.00	TITLE SHEET
SSP-002.00	SITE SAFETY NOTES AND GENERAL INFORMATION
PHASE 1.1 :	
SSP-101.00	KEY PLAN AND GENERAL NOTES
SSP-102.00	OCCUPANT PROTECTION PLAN
SSP-103.00	INTERIOR DEMOLITION - 41ST FLOOR PLAN
SSP-104.00	INTERIOR DEMOLITION - 29TH FLOOR PLAN
SSP-105.00	INTERIOR DEMOLITION - BUILDING SECTION
PHASE 1.2 :	
SSP-121.00	KEY PLAN AND GENERAL NOTES
SSP-122.00	DEMOLITION NOTES
SSP-123.00	OCCUPANT PROTECTION PLAN AND LEGEND
SSP-124.00	PHASE 1 - OVERALL SITE PLAN & EXISTING EGRESS - DEMOLITION OF PLANTERS, BOLSTERS, BIKE RACKS, AND CANOPIES
SSP-125.00	PHASE 1 - SEQUENCE 1 SOUTH - DEMOLITION OF BOLSTERS IN SOUTH BREEZEWAY - SITE PLAN & EGRESS
SSP-126.00	PHASE 1 - SEQUENCE 1 NORTH - DEMOLITION OF BOLSTERS IN NORTH BREEZEWAY - SITE PLAN & EGRESS
SSP-127.00	PHASE 1 - SEQUENCE 1 - DEMOLITION OF BOLSTERS AT BREEZEWAY EGRESSES
SSP-128.00	PHASE 1 - SEQUENCE 2 - FLAGPOLE REMOVAL - SITE PLAN & EGRESS
SSP-129.00	PHASE 1 - SEQUENCE 2 - FLAGPOLE REMOVAL
SSP-130.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 1 - SITE PLAN & EGRESS
SSP-131.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 2 - SITE PLAN & EGRESS
SSP-132.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 & 2 - PLAN & SECTION X-X
SSP-133.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 & 2 - SECTIONS Y-Y & Z-Z
SSP-134.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 TO 4 - SEQUENCE OF REMOVAL
SSP-135.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 3 - SITE PLAN & EGRESS
SSP-136.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 3 - PLAN & SECTIONS
SSP-137.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 4 - SITE PLAN & EGRESS
SSP-138.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 4 - PLAN & SECTION X-X
SSP-139.00	PHASE 1 - SEQUENCE 4 SOUTH - DEMOLITION OF BREEZEWAY CANOPIES - SITE PLAN & EGRESS
SSP-140.00	PHASE 1 - SEQUENCE 4 NORTH - DEMOLITION OF BREEZEWAY CANOPIES - SITE PLAN & EGRESS
SSP-141.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPIES - PARTIAL PLAN VIEW
SSP-142.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPIES - SECTIONS A-A & B-B
SSP-143.00	PHASE 1 - SEQUENCE 4 - REMOVAL OF SOIL, DECKING, AND COVERS - PARTIAL PLAN VIEW
SSP-144.00	PHASE 1 - SEQUENCE 4 - REMOVAL OF SOIL, DECKING, AND COVERS - SECTIONS A-A & B-B
SSP-145.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - POSITION 1
SSP-146.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - POSITION 2
SSP-147.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - TELEHANDLER CRIBBING DETAIL AT NORTH BREEZEWAY
SSP-148.00	MECHANICAL EQUIPMENT CUT SHEET
SSP-149.00	EXIT STAIRS CAPACITY AT GROUND FLOOR

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.			
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CLIENT			
TISHMAN CONSTRUCTION COMPANY 111 BROADWAY, SUITE 603 NEW YORK, NY 10006			
PROJECT			
SITE SAFETY PLAN FOR DEMOLITION OPERATIONS AT 270 PARK AVENUE, MANHATTAN, NY			
ZONING INFORMATION			
BLOCK: 1283 LOT: 21 ZONE: C5-3 ZONING MAP: 8D COMMUNITY BOARD: 105 BIN #: 1035421			
PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE			
TITLE SHEET			
SEAL & SIGNATURE		DRAWING BY: KC DATE: 07/09/2018	
John Young, RA Buildings APPROVED 07/11/2018 BEST SSP		PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-001.00	
V:2018\18211.00.00		I OF 36	

EMERGENCY FACILITIES & TELEPHONE NUMBERS		
1- MEDICAL EMERGENCY NYU HOSPITALS CENTER 660 FIRST AVENUE NEW YORK, NY 10016 TELEPHONE NO. (212) 263-5219 EMERGENCY: TELEPHONE NO. 911	5- FIRE DEPARTMENT EMERGENCY BATTALION 8 ENGINE 8 LADDER 2 165 EAST 51ST STREET NEW YORK, NY 10022 TELEPHONE No. 911	9- COMMISSIONER: RICK CHANDLER P.E. 280 BROADWAY NEW YORK, NY 10007 TELEPHONE No. (212) 566-5000
2- BURNS THE N.Y. HOSPITAL-CORNELL MEDICAL CENTER 525 EAST 68TH ST., NYC TELEPHONE No. (212) 746-5454	6- POLICE DEPARTMENT 17TH PRECINCT 167 EAST 51ST STREET NEW YORK, NY 10022 PRECINCT: (212)826-3211	10- SR. EXECUTIVE DIRECTOR (B.E.S.T. SQUAD) MR. ROBERT D'ALESSIO 1 CENTRE STREET, 23RD FLOOR NEW YORK, NY 10007 TELEPHONE No. (212) 393-2958
3- EYE INJURY MANHATTAN EYE, EAT & THROAT HOSPITAL 210 E. 64TH ST., NYC TELEPHONE No. (212) 838-9200 NEW YORK EAR & EYE INFIRMARY 310 E 14TH ST., NYC TELEPHONE No. (212) 598-1313	7- US DEPARTMENT OF LABOR (OSHA) 345 HUDSON STREET NEW YORK, NY 10014 TELEPHONE No. (212) 352-6000	11- CHIEF OF TECHNICAL REVIEW (B.E.S.T. SQUAD) MR. ERIC JACKSON 4 LAFAYETTE ST 12 TH FLOOR, NEW YORK, NY 10007 TELEPHONE No. (212) 393-2402
4- AMBULANCE: FDNY TELEPHONE No. 911	8- DEPARTMENT OF BUILDINGS (NYC) 280 BROADWAY NEW YORK, NY 10007 TELEPHONE No. (212) 566-5000	

SITE SAFETY GENERAL NOTES - DEMOLITION

- CONSTRUCTION OR DEMOLITION OPERATIONS WITH REGARD TO THE SAFETY OF THE PUBLIC AND PROPERTY SHALL BE CONDUCTED IN CONFORMANCE WITH THE 2014 NEW YORK CITY BUILDING CODE CHAPTER 33, NEW YORK CITY FIRE CODE, OSHA 1926 STANDARDS FOR CONSTRUCTION, AND ALL APPLICABLE NATIONAL AND REGIONAL CODES.
- ALL AREAS USED BY PUBLIC SHALL BE MAINTAINED FREE FROM ICE, SNOW, GREASE, DEBRIS, EQUIPMENT, MATERIALS, PROJECTIONS, TOOLS, OR OTHER ITEMS, SUBSTANCES, OR CONDITIONS THAT MAY CONSTITUTE A SLIPPING, TRIPPING OR OTHER HAZARD.
- VERIFY ALL CONDITIONS IN THE FIELD. ANY DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND DRAWINGS, OR ANY UNUSUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY, IN WRITING, TO THE CONSTRUCTION MANAGER AND ENGINEER.
- AN AMENDED PLAN TO BE SUBMITTED AND APPROVED FOR ANY CHANGES OR DEVIATIONS FROM THIS APPROVED PLAN.
- A HOT LINE NUMBER SHALL BE PROVIDED AT THE SITE FOR CONTACTING THE DEPT. OF BUILDINGS AND THE DEPT. OF TRANSPORTATION WHEN IT IS NECESSARY TO CLOSE OFF A STREET FOR SAFETY PURPOSES. THIS INFORMATION TO BE DISPLAYED ON SIGN REQUIRED UNDER SECTION BC3301.
- PROVISIONS ARE TO BE MADE FOR FULL TIME CONTINUOUS PRESENCE OF SITE SAFETY MANAGER DURING ON GOING CONSTRUCTION UNTIL THE BUILDING IS COMPLETELY ENCLOSED (EXCEPT FOR HOIST OPENINGS) AND THEREAFTER, WHEN LOADS ARE BEING RAISED OR LOWERED AT THE EXTERIOR OF THE BUILDING AND WHEN ANY EXTERIOR APPURTENANCES ARE BEING ERECTED, ASSEMBLED OR DISASSEMBLED.
- IT IS INTENDED THAT THE SITE SAFETY MANAGER WILL MONITOR COMPLIANCE WITH THIS SITE SAFETY PROGRAM AND WILL SO NOTE IN THE LOG KEPT AT THE SITE. SUBCONTRACTORS WILL BE MADE AWARE OF THESE REQUIREMENTS AND WILL BE REQUIRED TO ADHERE TO SAME AS MAY BE APPLICABLE. IN THE EVENT OF EMERGENCY, A HORN WILL SOUND (2) TWO TIMES TO SIGNAL EVACUATION AND THEN THE HORN WILL SOUND (1) ONE TIME TO INDICATE ALL PERSONS ARE CLEARED FROM SITE. ALL PERSONNEL WILL BE DIRECTED TO EXIT TO THE 1st FLOOR AND TO THE SIDE STREET SIDEWALKS AS PER POSTED SIGN. ALL PERSONNEL STARTING WORK ON THIS PROJECT WILL BE INFORMED OF THE ABOVE MENTIONED EVACUATION PROCEDURE.
- A LOG SHALL BE KEPT AT THE SITE OF ACTIVITIES TO COMPLY WITH THOSE RULES AND REGULATIONS TO BE AVAILABLE FOR INSPECTION AT ANY TIME DURING THE COURSE OF CONSTRUCTION AND FOR ONE YEAR THEREAFTER.
- PROVISIONS FOR CONTINUOUS INSPECTION TO ENSURE SITE SAFETY WILL BE COORDINATED.
- A SIGNED STATEMENT, INDICATING THE FAMILIARITY WITH THE SAFETY REQUIREMENTS OF SECTION BC3310 OF THE BUILDING CODE AND STATING THAT SUCH REQUIREMENTS WILL BE MET, SHALL BE FILED WITH THE BUILDING DEPT.
- WHEN A BUILDING DEPT. INSPECTOR VISITS A JOB SITE OF A MAJOR BUILDING, HE/SHE SHALL CONSULT WITH THE SITE SAFETY COORDINATOR TO MAKE CERTAIN THAT THE REQUIREMENTS AND THE SITE SAFETY PROGRAM ARE BEING COMPLIED WITH. ALL DOCUMENTATION LOCATED IN THE FIELD OFFICE.
- OBTAIN ALL REQUIRED PERMITS FROM DEPT. OF TRANSPORTATION FOR ANY STREET OBSTRUCTIONS OR CLOSING.

INSTRUCTIONS TO REQUEST START OF WORK

DEMOLITION (BC 3306.3)
NOTIFY VIA PHONE "BEST SQUAD" CALL CENTER , 24 HOURS BEFORE START DATE AND FAX OVER A COPY OF PW2.
EXCAVATION (BC 3304.3)
NOTIFY VIA PHONE "BEST SQUAD" CALL CENTER ,24 HOURS BEFORE YOU START TO OBTAIN A CONFIRMATION NUMBER.
SITE SAFETY JOBS
24 HOURS BEFORE WORK STARTS, ON COMPANY LETTER HEAD, EMAIL A LETTER OF NOTIFICATION TO THE BEST SQUAD AT BEST@BUILDINGS.NYC.GOV.

SITE SAFETY INCIDENTS NOTIFICATION:

AS PER BC3310.8.2(7) SITE SAFETY COORDINATORS AND MANAGERS MUST IMMEDIATELY REPORT INCIDENTS TO THE BUILDING DEPARTMENT. SITE SAFETY NOTIFICATION: (212) 566-3199
THE FOLLOWING INCIDENTS MUST BE REPORTED: ANY FATALITY, INJURY TO A MEMBER OF THE PUBLIC, WORKER INJURY THAT REQUIRES EMS TREATMENT OR HOSPITALIZATION, WORKER FALL, PROPERTY DAMAGE-PUBLIC OR PRIVATE, MATERIAL FAILURE OR COLAPSE, FALLIN OF DEBRIS.

CLOSE OUT INSTRUCTIONS

SIDEWALK SHEDS (BC3307.6.1)
1. MAY BE REMOVED WHEN THE STRUCTURE IS ENCLOSED. ALL EXTERIOR WORK COMPLETED, THE SASH IS GLAZED ABOVE THE SECOND STORY, THE EXTERIOR OF THE FACADE IS CLEANED DOWN, ALL OUTSIDE HANDLING OF MATERIALS, EQUIPMENT AND MACHINERY IS COMPLETED AND ALL DISMANTLING OF MATERIAL HOISTS, OR CLIMBER OR TOWER CRANES INCLUDING THE USE OF A DERRICK IN THEIR REMOVAL ABOVE THE SECOND STORY IS COMPLETED.
EMAIL NOTIFICATION AND REQUEST FOR INSPECTION LETTER TO "BEST SQUAD" AT BEST@BUILDINGS.NYC.GOV.

2. PERMANENTLY REMOVING SIDEWALK SHEDS REQUIRES NOTIFICATION TO BE EMAILED TO THE BEST SQUAD AT BESTAPPT@BUILDINGS.NYC.GOV AND AN INSPECTION BY THE BEST SQUAD
3. PARTIAL REMOVAL OF SIDEWALK SHEDS REQUIRES AN AMENDED PLAN, NOTIFICATION TO BE EMAILED TO THE BEST SQUAD AT BESTAPPT@BUILDINGS.NYC.GOV AND AN INSPECTION BY THE BEST SQUAD.

SITE SAFETY (BC3310.3)
REQUIRES FULL ENCLOSURE OF BUILDING. SEND REQUEST FOR INSPECTION LETTER TO "BEST SQUAD" FOR THE COMPLETION OF SITE SAFETY PROGRAM. EMAIL AT BESTAPPT@BUILDINGS.NYC.GOV.

STANDPIPE AND SPRINKLER SYSTEMS MAINTENANCE (BC3303.8):

- STANDPIPE RISERS SHALL BE CAPPED ABOVE THE OUTLET ON THE FLOOR IMMEDIATELY BELOW THE FLOOR BEING DEMOLISHED SO AS TO MAINTAIN THE STANDPIPE SYSTEM ON ALL LOWER FLOORS FOR FIRE DEPARTMENT USE.
- SPRINKLER SYSTEMS WITH SIAMESE HOSE CONNECTIONS SHALL BE MAINTAINED AS A NON-AUTOMATIC SPRINKLER SYSTEM. WHEN DEMOLITION STARTS, THE SPRINKLER RISERS SHALL BE CAPPED IMMEDIATELY BELOW THE FLOOR BEING DEMOLISHED SO AS TO MAINTAIN THE SPRINKLER SYSTEM ON ALL LOWER FLOORS FOR FIRE DEPARTMENT USE.

HOWARD I SHAPIRO AND ASSOCIATES CONSULTING ENGINEERS P.C. (H.I.S.) HAS PREPARED THIS SITE SAFETY PLAN TO DOCUMENT HOW THE BUILDING CODE CHAPTER 33 SHOULD BE APPLIED TO THE PARTICULAR SITE ACTIVITIES HEREIN DESCRIBED. THE ISSUE OF THIS PLAN SHALL NOT INFER ANY INVOLVEMENT OF H.I.S. IN MONITORING, SUPERVISION, INSPECTION OR MANAGEMENT OF ACTIVITIES AT THE SITE.

SITE SAFETY GENERAL NOTES

A. SAFEGUARDS AND MAINTENANCE OF SITE

- ALL ASPECTS OF SECTION BC3303 OF THE NYC BUILDING CODE FOR SAFEGUARDS AND MAINTENANCE OF SITE SHALL BE MET.
- CONTRACTOR IS RESPONSIBLE AND LIABLE TO EXTEND AND MARK ALL STANDPIPE SYSTEMS, SIAMESE HOSE CONNECTIONS, FIRE HYDRANT LOCATIONS, SUCH AS TO BE CLEARLY VISIBLE AND ACCESSIBLE.
- SMOKING SHALL BE PROHIBITED AL ALL CONSTRUCTION AND DEMOLITION SITES AS PER BC3303.7.3 OF THE NYC BUILDING CODE

B. EXCAVATION

- ALL ASPECTS OF SECTION BC3304 OF THE NYC BUILDING CODE FOR EXCAVATION SHALL BE MET. DURING EXCAVATION, THE PROVISIONS OF SECTION 3309 FOR THE PROTECTION OF ADJOINING PROPERTY SHALL ALSO APPLY.
- EXCAVATION AND FILL OPERATIONS SHALL BE CONDUCTED IN SUCH MANNER THAT LIFE AND PROPERTY ARE NOT ENDANGERED.
- THE SIDES OF ALL EXCAVATIONS, INCLUDED RELATED OR RESULTING EMBANKMENTS, THAT ARE 5 FEET OR GREATER IN DEPTH OR HEIGHT SHALL BE PROTECTED AND MAINTAINED BY SHORING, BRACING, SHEETING, SHEET PILING, OR BY OTHER RETAINING STRUCTURES AS NECESSARY TO PREVENT THE SIDES OF EXCAVATION FROM CAVING IN BEFORE PERMANENT SUPPORTS ARE PROVIDED.
- ALL SIDES OR SLOPES OF EXCAVATIONS OR EMBANKMENTS SHALL BE INSPECTED AFTER RAINSTORMS, OR ANY OTHER HAZARD INCREASING EVENT, AND SAFE CONDITIONS SHALL BE RESTORED.
- EVERY EXCAVATION SHALL BE PROVIDED WITH A SAFE MEANS OF INGRESS AND EGRESS THAT IS KEPT AVAILABLE AT ALL TIMES.
- EVERY SITE WITH AN EXCAVATION SHALL BE ENCLOSED WITH A FENCE THAT MEETS THE REQUIREMENTS OF SETION 3307.7.
- A STANDARD GUARDRAIL THAT MEETS THE REQUIREMENTS OF SECTION 3307.8 , OR A SOLID ENCLOSURE AT LEAST 3FEET 6 INCHES HIGH SHALL BE PROVIDED ALONG THE OPEN SIDES OF EXCAVATIONS.
- THE REQUIREMENTS OF SECTION 1814 FOR UNDERPINNING AND SECTION 1806 FOR RETAINING WALLS SHALL BE MET.
- ALL EXCAVATIONS SHALL BE DRAINED, AND THE DRAINAGE SHALL BE MAINTAINED AS LONG AS THE EXCAVATION CONTINUES OR REMAINS.
- IT WILL BE REQUIRED TO PLACE PROPERLY SECURED AND SAFE LADDERS INTO THE EXCAVATION OR TO THE CELLAR WHEN THE FOUNDATION IS COMPLETE. ADDITIONALLY, THERE WILL BE SIMILAR LADDERS SECURED TO EACH FLOOR AS THE CONSTRUCTION PROCEEDS. STAIRS WILL BE INSTALLED APPROXIMATELY 2 OR 3 FLOORS BEHIND THE NEWEST DECK. THESE STAIRS AND LADDERS ARE FOR USE OF WORKMEN ACCESS AND EVACUATION, EMERGENCY OR OTHERWISE.

C. PROTECTION OF PEDESTRIANS

- ALL ASPECTS OF SECTION BC3307 OF THE NYC BUILDING CODE FOR PROTECTION SHALL BE MET.
- PERMITS FOR SIDEWALK SHEDS SHALL BE OBTAINED AS REQUIRED IN SECTION BC3307.6 OF THE CODE.
- SIDEWALK SHEDS SHALL BE DESIGNED BY LICENSED PROFESSIONALS AS REQUIRED IN SECTION BC3307.6.3. THESE DRAWINGS SHALL BE AT THE SITE AS REQUIRED.
- SIDEWALK SHED SHALL BE ERECTED AS SHOWN ON THE APPROVED PLANS AND REMAIN IN PLACE UNTIL THE STRUCTURE IS ENCLOSED. ALL EXTERIOR WORK COMPLETED, THE SASH IS GLAZED ABOVE THE SECOND STORY, THE EXTERIOR OF THE FACADE IS CLEANED DOWN, ALL OUTSIDE HANDLING OF MATERIALS, EQUIPMENT AND MACHINERY IS COMPLETED AND DISMANTLING OF MATERIAL HOISTS OR CLIMBER CRANE OR THE USE OF A DERRICK IN THEIR REMOVAL ABOVE THE SECOND STORY IS COMPLETED.
- SIDEWALK SHEDS ARE REQUIRED TO EXTEND 20 FEET BEYOND FACE OF BUILDING WHERE BUILDING EXCEEDS 100 FEET IN HEIGHT.
- ALL EXIT DOORS AND STAIRWAYS SHOULD HAVE A BRIDGE (SHED) AS PER SECTION BC3307.6 OF THE NYC BUILDING CODE.
- SITE TO BE ENCLOSED WITH 8' SOLID FENCE AS PER SECTION BC3307.7 OF THE NYC BUILDING CODE
- DURING ALL DELIVERIES, LIFTING AND HOISTING OPERATIONS FLAGPERSON WILL BE PROVIDED TO CONTROL ALL PEDESTRIAN AND/OR VEHICULAR TRAFFIC, AS IS APPROPRIATE.
- SIDEWALK AND PARTIAL ROADWAY CLOSINGS AS REQUIRED DURING CONSTRUCTION WITH OBTAINING PROPER PERMITS FROM NYC DEPT. OF TRANSPORTATION.
- ALL TRENCHES TO BE COVERED WITH STEEL PLATES DURING NON-WORKING HOURS AND PROTECTED ON EITHER SIDE WITH TEMPORARY FENCING OR BARRICADES DURING WORKING HOURS

D. PROTECTION OF ADJOINING PROPERTY

- ALL ASPECTS OF SECTION BC3309 OF THE NYC BUILDING CODE FOR PROTECTION SHALL BE MET.
- PROVIDE PROTECTION OF ROOFS, SKYLIGHTS AND OTHER ROOF OUTLETS OF ADJACENT BUILDINGS PER SECTION BC3309.10 OF NYC BUILDING CODE AND DETAIL AND PLAN ON THIS DRAWING.
- ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION WORK. PROVISIONS SHALL BE MADE TO CONTROL WATER RUN-OFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON CAUSING THE CONSTRUCTION OR DEMOLITION SHALL BE AFFORDED A LICENSE TO ENTER AND INSPECT THE ADJOINING BUILDING AND PERFORM SUCH WORK THEREON AS MAY BE NECESSARY FOR SUCH PURPOSE; OTHERWISE, THE DUTY OF PROTECTING THE ROOF, SKYLIGHTS, AND OTHER ROOF OUTLETS OF THE ADJOINING BUILDING SHALL DEVOLVE UPON THE OWNER THEREOF. IN ADDITION, ANY PERSON HAVING THE DUTY TO ALTER OR MAINTAIN CHIMNEYS OF ANY ADJOINING BUILDING UNDER AND PURSUANT TO THE PROVISIONS OF THE BUILDING CODE OR OTHER APPLICABLE LAWS AND REGULATIONS, SHALL LIKEWISE BE AFFORDED A LICENSE TO ENTER AND INSPECT SUCH ADJOINING BUILDING AND PERFORM SUCH WORK THEREON AS MAY BE NECESSARY FOR SUCH PURPOSE; OTHERWISE, SUCH DUTY SHALL DEVOLVE UPON THE OWNER THEREOF

E. SCAFFOLDS

- ALL ASPECTS OF SECTION BC3314 OF THE NYC BUILDING CODE FOR SCAFFOLDS SHALL BE MET.

F. HOISTING EQUIPMENT

- ALL ASPECTS OF SECTION BC3316 OF THE NYC BUILDING CODE FOR HOISTING EQUIPMENT SHALL BE MET.

G. CRANES AND DERRICKS

- ALL ASPECTS OF SECTION BC3319 OF THE NYC BUILDING CODE FOR OPERATION ON SITE INSPECTIONS FOR ALL CRANES, DERRICKS OR CABLEWAYS SHALL BE MET.
- COMMUNICATION AMONG ALL RESPONSIBLE PARTIES WHEN CRANE AND DERRICK LOADS ARE CARRIED BEYOND THE PERIMETER OF THE BUILDING, AND WHEN TOWER OR CLIMBER CRANES ARE BEING DISMANTLED OR ERECTED SHALL BE ARRANGED.

H. MATERIAL HANDLING EQUIPMENT

- ALL ASPECTS OF SECTION BC3320 OF THE NYC BUILDING CODE FOR MATERIAL HANDLING EQUIPMENT SHALL BE MET.

I. SAFETY NETTING

- ALL ASPECTS OF SECTION BC3308 OF THE NYC BUILDING CODE FOR SAFETY NETTING SHALL BE MET.
- WHEN IN THE COURSE OF CONSTRUCTION THE BUILDING REACHES A HEIGHT OF 4 STORIESOR 40 FEET VERTICAL SAFETY NETTING SHALL BE MAINTAINED AT ALL FLOORS EXCEPT GRADE.
- WHEN EXTERIOR WALLS ARE BEING CONSTRUCTED ALTERED OR REPAIRED AT A HEIGHT GREATER THAN SIX STORIES OR 75 FEET HORIZONTAL SAFETY NETTING SHALL BE PROVIDES ON THE SIDES OF THE STRUCTURE WHERE THE STRUCTURE IS NOT ENCLOSED.
- WHEN DURING THE COURSE OF CONSTRUCTION THE BUILDING REACHES A HEIGHT OF SIX STORIES OR 75 FEET, HORIZONTAL SAFETY NETTING SHALL BE MAINTAINED AT A LEVEL NOT MORE THAN 2 STORIES OR 30 FEET BELOW THE STRIPPING OPERATION ON CONCRETE STRUCTURES OR THE UPPERMOST FINISHED CONCRETE FLOOR ON STEEL FRAME STRUCTURES.
- REQUIRED HORIZONTAL SAFETY NETTING MAY BE OMITTED IN DESIGNATED CRANE AND DERRICK LIFTING AREAS SO LONG AS SUCH LIFTING AREA IS AS INDICATED ON THE CRANE APPLICATION AND ON THE SITE SAFETY PLANS.
- THE HOLDER OF THE WORK PERMIT AND HIS/HER DESIGNEE SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL HORIZONTAL AND VERTICAL NETTING AND FOR COMPLYING WITH THE REQUIREMENTS OF BC 3308.

J. TENANT PROTECTION PLAN:

- GENERAL: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NYC BUILDING CODE CHAPTER 33 AND REGULATIONS OF ALL OTHER AGENCIES HAVING JURISDICTION.
- MEANS OF EGRESS: ALL EXISTING MEANS OF EGRESS FOR TENANTS OF THE BUILDING TO BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS AT ALL TIMES.
- FIRE SAFETY:
 - ALL BUILDING MATERIAL STORED AT THE CONSTRUCTION AREA, AND/OR IN ANY AREA OF THE BUILDING, ARE TO BE STORED IN A LOCKED AREA. ACCESS TO SUCH AREA IS TO BE CONTROLLED BY THE OWNER AND/OR GENERAL CONTRACTOR.
 - ALL MATERIALS ARE TO BE STORED IN AN ORDERLY FASHION.
 - ALL FLAMMABLE MATERIALS TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURER'S CONTAINERS. SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.
 - ALL POWER TO BE SHUT OFF WHERE THERE IS AN EXPOSED CONDUIT.
 - ALL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS.
 - THE CONTRACTOR, AT ALL TIMES, IS TO MAKE SURE THAT THERE IS NO LEAKAGE OF NATURAL GAS IN THE BUILDING OR ANY FLAMMABLE GAS THAT IS USED IN CONSTRUCTION.
- DUST CONTROL:
 - DEBRIS, DUST, AND DIRT TO BE KEPT TO A MINIMUM, AND BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. CLEAN AND CLEAR DUST AND DEBRIS REGULARLY TO AVOID EXCESSIVE ACCUMULATION.
 - CONTRACTOR TO ISOLATE CONSTRUCTION AREA FROM OCCUPIED BUILDING AREAS BY MEANS OF TEMPORARY PARTITIONS OF HEAVY WEIGHT DROP CLOTHES.
- NOISE HOURS:
 - CONSTRUCTION OPERATIONS WILL BE CONFINED TO NORMAL WORKING HOURS: 7 A.M. TO 6 P.M. MONDAY TO FRIDAY, EXCEPT LEGAL HOLIDAYS.
 - CONTRACTOR TO OBTAIN WRITTEN CONSENT OF ALL PARTIES AFFECTED BY THIS WORKING OTHER THAN THE REGULAR HOURS.
 - CONTRACTOR SHALL OBTAIN AFTER-HOUR WORK PERMIT FROM ALL APPLICABLE NYC AGENCIES IF WORKING AFTER HOURS.
 - CONSTRUCTION OPERATIONS WILL NOT INVOLVE THE INTERRUPTION OF HEATING, WATER, OR ELECTRICAL SERVICES TO OTHER TENANTS OF THE BUILDING.
 - CONSTRUCTION WORK WILL BE CONFINED TO AREAS OF WORK, AND WILL NOT CREATE DUST, DIRT, AND OTHER INCONVENIENCES TO OTHER APARTMENT UNITS IN THE BUILDING.
 - THERE WILL BE NO ONE OCCUPYING THE AREA OF WORK TO BE RENOVATED DURING THE COURSE OF CONSTRUCTION WORK.

OSHA AND SITE SPECIFIC SAFETY TRAINING REQUIREMENTS
(ADMINISTRATIVE CODE OF THE CITY OF NEW YORK SECTION 28-110.1)
EFFECTIVE JULY 1, 2009

- PRIOR TO PERFORMING ANY WORK ON THE PROJECT ALL WORKERS SHALL HAVE SUCCESSFULLY COMPLETED, WITHIN THE PREVIOUS FIVE CALENDAR YEARS, A 10 HOUR COURSE IN CONSTRUCTION SAFETY APPROVED BY THE UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION AS REQUIRED BY LOCAL LAW 41 OF 2008.
- SUCCESSFUL COMPLETION OF SUCH TRAINING COURSE SHALL BE EVIDENCED BY
 - PRESENTATION OF A BONA FIDE COURSE COMPLETION CARD.
 - COPY OF SUCH CARD.
 - A TRAINING ROSTER, ATTENDANCE RECORD OR OTHER DOCUMENTATION FROM THE CERTIFIED TRAINER PENDING THE ISSUANCE OF SUCH CARD OR
 - OTHER VALID PROOF WHICH MAY BE APPROVED BY THE COMMISSIONER. SUCH EVIDENCE SHALL BE READILY AVAILABLE TO THE COMMISSIONER UPON REQUEST.
- ALL WORKERS EMPLOYED ON THE SITE WILL RECEIVE A SITE-SPECIFIC SAFETY ORIENTATION PROGRAM. THIS PROGRAM SHALL INCLUDE A REVIEW OF ANY HAZARDOUS ACTIVITIES OF THE JOB THAT ARE RELEVANT TO THE TASKS AND ACTIVITIES TO BE PERFORMED. ALL WORKERS MUST ATTEND SUCH A PROGRAM NO LATER THAN SEVEN DAYS AFTER COMMENCING THEIR EMPLOYMENT.
- PROJECT TO COMPLY WITH ALL APPLICABLE O.S.H.A.-1926 SAFETY AND HEALTH REGULATIONS AND STANDARDS FOR CONSTRUCTION
- A MINIMUM OF 2 MEANS OF EGRESS WILL BE MAINTAINED FROM EACH BUILDING AT ALL TIMES. LOCATION MAY VARY DUE TO WORK LOGISTICS.
- USE CABLE POSITIONING LINE WHEN WORKING CLOSE TO THE EDGE OF THE BUILDING.
- ALL SCAFFOLDING MUST PROJECT A MINIMUM OF 3'-6" ABOVE THE HIGHEST POINT OF THE WORK

PUBLIC INFORMATION SIGNS

- SIGNS REQUIRED (SEE SECTION BC3301.9.1 TO BC3301.9.6 OF THE NYC BUILDING CODE) TO BE MOUNTED ON EACH PERIMETER OF CONSTRUCTION SITE FENCE FRONTING ON A PUBLIC THOROUGHFARE.
- THE REQUIRED SIGNS MUST BE IN PLACE 24 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR DEMOLITION ACTIVITY AND MUST REMAIN VISIBLE AT THE SITE UNTIL ALL WORK IS COMPLETED AS PER BC3301.9 OF THE NYC BUILDING CODE.

LETTERS SHALL BE BLACK ON WHITE BACKGROUND, SIZE NO LESS THAN 3" HIGH. SIGN SHALL BE NO LARGER THAN NEEDED TO ACCOMMODATE THE REQUIRED INFO. SIGN TO BE POSTED 12' MAX. ABOVE GROUND ON EACH PERIMETER OF THE SITE

THE DEPARTMENT OF BUILDINGS (EL DEPARTAMENTO DE EDIFICIOS)	212-566-5000
THE EMERGENCY SQUAD (LA ESCUADRA DE LA EMERGENCIA) AFTER 5:00PM / DESPUES DE LAS 5PM	311
THE BUILDING ENFORCEMENT SAFETY TEAM (B.E.S.T) (GRUPO DE SEGURIDAD PARA EDIFICIOS) (B.E.S.T.)	212-602-0406
THE DEPARTMENT OF TRANSPORTATION (EL DEPARTAMENTO DE TRANSPORTACION)	311
TISHMAN CONSTRUCTION COMPANY 100 PARK AVE NEW YORK, NY 10017 (212) 973- 2999 GC: ADDRESS: TEL: TO REPORT COMPLAINTS, CALL:	
COMPANY: ADDRESS: TEL: PERMIT NR.: EXPIRATION DATE: TO ANONYMOUSLY REPORT UNSAFE CONDITION AT THIS WORK SITE THAT ENDANGER WORKERS: CALL 311 LLAME AL 311 SI OBSERVA CONDICIONES PELIGROSAS (JUSTED NO TIENE QUE DAR SU NOMBRE)	

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS P.C. 266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563 TEL: (516) 791-2600 FAX: (516) 791-5425 COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT. <small>THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS OR OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.</small>			
CLIENT TISHMAN CONSTRUCTION COMPANY 111 BROADWAY, SUITE 603 NEW YORK, NY 10006			
PROJECT SITE SAFETY PLAN FOR DEMOLITION OPERATIONS AT 270 PARK AVENUE, MANHATTAN, NY			
ZONING INFORMATION BLOCK: 12B3 LOT: 21 ZONE: C5-3 ZONING MAP: 8D COMMUNITY BOARD: 105 BIN #: 1035421			
PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE SITE SAFETY GENERAL NOTES AND INFORMATION			
SEAL & SIGNATURE 		DRAWING BY: KC DATE: 07/09/2018 PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-002.00	
V:2018/18211.00.00		2 OF 36	

INTERIOR DEMOLITION AT 52-STORY BUILDING FLOORS 41 AND 29 270 PARK AVENUE, NEW YORK, NY

GENERAL NOTES :

- THESE PLANS ADDRESS THE NON-STRUCTURAL INTERIOR DEMOLITION AT THE 41ST AND 29TH FLOORS IN ADVANCE OF THE FUTURE STRUCTURAL DEMOLITION (FILED SEPARATELY).

THIS APPLICATION IS FOR THE REMOVAL OF THE FOLLOWING INTERIOR NON-LOAD BEARING ELEMENTS OUTSIDE THE CORE AREA OF THE TOWER (SEE PLAN ON SSP-103 AND SSP-104) :

FURNITURE	LIGHTING	MILL WORK	FLOORING	COLUMN ENCLOSURES
PARTITION WALLS	POWER	DOORS	RAISED FLOORS	FINISHES
CEILING	VOICE & DATA LINES	CARPETING	DUCT WORK	FAN COIL UNITS

INCLUDING BATHROOM, KITCHEN FIXTURES, AND ASSOCIATED PLUMBING AND WIRING OUTSIDE THE CORE AREA.

THE SCOPE OF REMOVALS EXCLUDES :

THE INTERIOR ELEMENTS AND MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SUPPRESSION SYSTEMS WITHIN THE CORE TO SUSTAIN THESE SYSTEMS WITHIN THE OCCUPIED BUILDING.

ANY LOAD BEARING ELEMENTS SUCH AS CONCRETE FLOOR SLABS, METAL DECKING, STEEL BEAMS, AND STEEL COLUMNS SHALL NOT BE REMOVED.

FIREPROOFING AND CONCRETE ENCASEMENT SHALL NOT BE REMOVED FROM ANY STRUCTURAL MEMBER. THIS INCLUDES SPRAY ON FIREPROOFING ON METAL DECKING, STEEL FRAMING, AND STEEL COLUMNS.

STAIRS AND ASSOCIATED STAIR ENCLOSURE WALLS AND FIRE DOORS SHALL NOT BE REMOVED. STAIRS TO BE MAINTAINED AS FIRE PROTECTED EGRESS.

ELEVATORS, ELEVATOR DOORS, SHAFT WALLS, AND ELEVATOR EQUIPMENT SHALL NOT BE REMOVED.

GLASS WINDOWS AND ELEMENTS OF THE CURTAIN WALL SYSTEM SHALL NOT BE REMOVED.

ANY GLASS WINDOWS, PLUMBING, ELECTRICAL WIRING OR SURROUNDING STRUCTURE THAT COULD BE DAMAGED BY THE WORK SHALL BE PROTECTED.

THE REMOVAL OF ANY BUILDING ELEMENT THAT COULD CAUSE CONTAMINATED MATERIAL TO BECOME DISTURBED IS STRICTLY PROHIBITED.
- THE WORK SHALL BE DONE IN COMPLIANCE WITH THE 2014 NYC BUILDING CODE (CHAPTER 33), 2014 NYC FIRE CODE AND OSHA REGULATIONS GOVERNING WORKER HEALTH AND SAFETY.
- WORK TO BE DONE USING HAND TOOLS ONLY. USE OF NON-HANDHELD MECHANICAL EQUIPMENT IS STRICTLY PROHIBITED.
- THE EXISTING FIRE SUPPRESSING SYSTEM (SPRINKLERS AND STANDPIPES) WITHIN THE CORE SHALL REMAIN UNDISTURBED DURING THE WORK AND SHALL BE KEPT OPERATIONAL AT ALL TIMES.

THE EXISTING SPRINKLERS BEYOND THE CORE SHALL BE REMOVED FROM SERVICE. REMOVE ALL EXISTING SPRINKLER HEADS AND ASSOCIATED PIPING AND CUT ALL PIPING BACK TO EXISTING SPRINKLER CONTROL VALVE AND CAP. SEE SYSKA HENNESSEY SPRINKLER DRAWINGS FOR DETAILS.

PRIOR TO MODIFYING THE SPRINKLER SYSTEM A LETTER OF NO OBJECTION SHALL BE OBTAINED FROM FDNY AND A PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF BUILDINGS TO MODIFY THE SPRINKLER SYSTEM.
- ASBESTOS ABATEMENT IS NOT PART OF THIS SUBMITTAL. ALL REGULATIONS RELATED TO THE SAFE HANDLING OF ASBESTOS CONTAINING MATERIALS SHALL BE OBSERVED AND CARRIED OUT BY PERSONS TRAINED AND AUTHORIZED TO PERFORM SUCH WORK.
- ACCUMULATED DEBRIS SHALL BE CLEARED BY HAND AND LOADED INTO MINI-CONTAINERS AT THE END OF EACH WORK SHIFT. EXISTING ELEVATORS WILL BE USED TO TRANSPORT DEBRIS DOWN TO THE 12TH FLOOR THEN THEN TRANSFERRED ALONG THE 12TH FLOOR TO THE PODIUM ELEVATORS. FROM THE PODIUM ELEVATORS THE DEBRIS IS BROUGHT TO THE GROUND FLOOR FOR REMOVAL.
- ACCESS TO THE WORK AREA SHALL BE CLOSED TO THE PUBLIC AND BUILDING OCCUPANTS PRIOR TO THE START OF ANY ACTIVITY.

POST APPROPRIATE SIGNAGE TO INDICATE THE AREAS OFF LIMITS TO THE PUBLIC AND BUILDING OCCUPANTS.

NYCECC COMPLIANCE :

THIS APPLICATION IS FOR THE REMOVAL OF INTERIOR ELEMENTS ONLY, IN PREPARATION FOR THE STRUCTURAL DEMOLITION OF THE BUILDING.
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THIS APPLICATION IS IN COMPLIANCE WITH THE NYCECC 2016.

INSPECTION NOTES :

PROGRESS INSPECTIONS :

FINAL INSPECTION
NO ENERGY INSPECTION REQUIRED

28-116.2.4, BC 110.5, DIRECTIVE 14 OF 1975, 1 RCNY 101-10

INSPECTION NOTES :

- CONTRACTOR SHALL NOTIFY ENGINEER 72 HOURS PRIOR TO START OF WORK.
- CONTRACTOR SHALL REPORT ALL UNEXPECTED AND UNUSUAL CONDITIONS TO THE ENGINEER.

FLOOD HAZARD NOTES :

THE PROPERTY UNDER CONSIDERATION IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA, AS DEFINED ON 2007 AND 2013 FEMA FIRM MAPS.

TOOLS AND MACHINES TO BE USED FOR INTERIOR DEMOLITION :

- HANDHELD MECHANICAL AND NON-MECHANICAL EQUIPMENT :

SAWZ-ALL
DEMOLITION SAW
CUTTING WHEEL
DEMOLITION HAMMER
1/2YD MINI-CONTAINER
WRECKING BAR
SLEDGE HAMMER

TORCH CUTTING IS NOT PERMITTED UNDER THIS APPLICATION.

ENERGY ANALYSIS FOR PARTIAL DEMOLITION WORK, AS SHOWN NYCECC 2016 – CLIMATE ZONE: 4A (NEW YORK)	
ITEM DESCRIPTION	CODE AND PROPOSED DESIGN VALUES
REMOVAL OF NON-STRUCTURAL ELEMENTS AT INTERIOR OF THE BUILDING. NO WORK ON THE PERIMETER ENVELOPE OR ROOF.	NOT APPLICABLE. THE WORK HEREIN IS LIMITED TO INTERIOR WORK ONLY AND IS DONE IN ANTICIPATION OF THE FULL DEMOLITION.

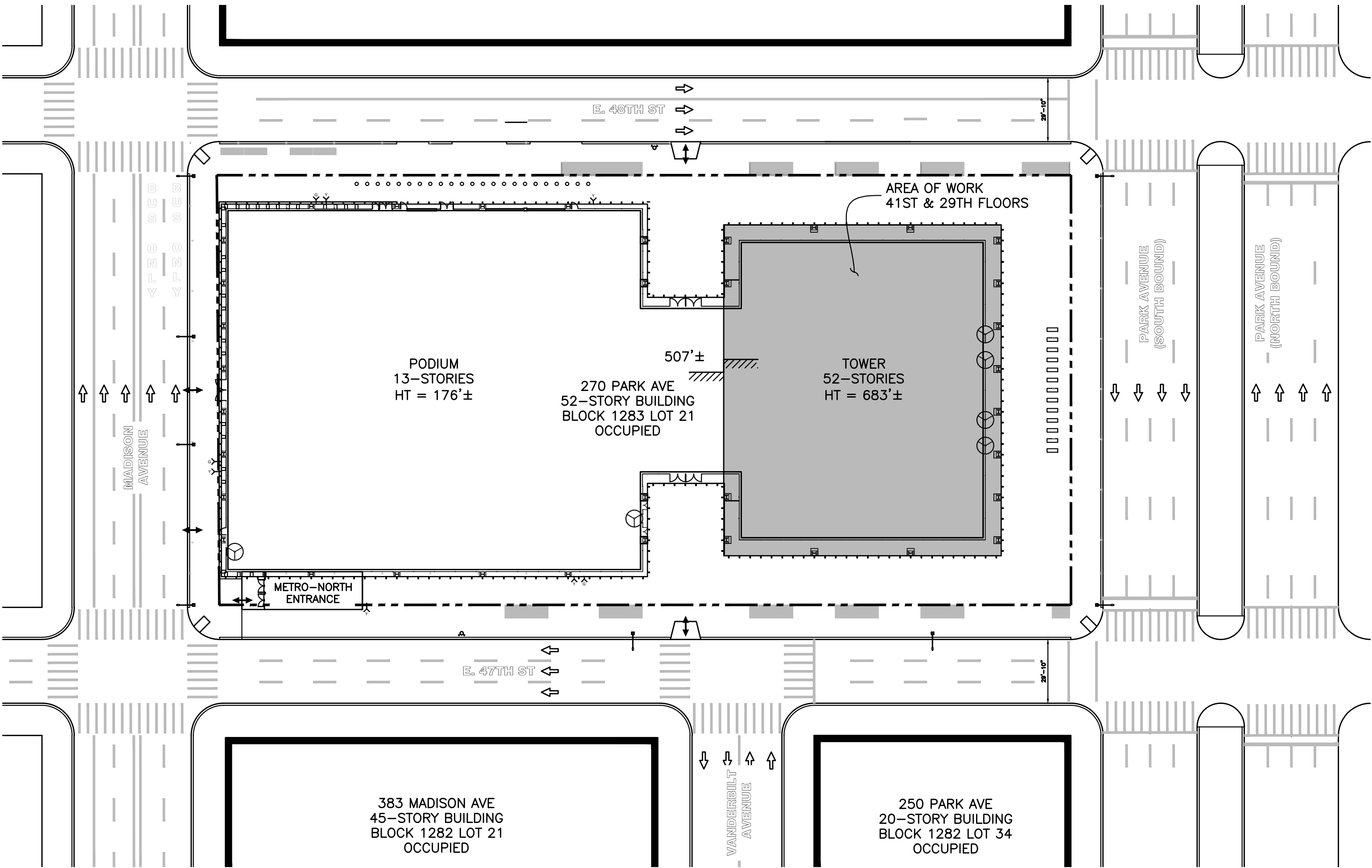
PHASE 1.1

DRAWING LIST :

SSP-101.00	KEY PLAN AND GENERAL NOTES
SSP-102.00	OCCUPANT PROTECTION PLAN
SSP-103.00	INTERIOR DEMOLITION – 41ST FLOOR PLAN
SSP-104.00	INTERIOR DEMOLITION – 29TH FLOOR PLAN
SSP-105.00	INTERIOR DEMOLITION – BUILDING SECTION

BUILDING DATA:

BOROUGH:	MANHATTAN
ADDRESS:	270 PARK AVENUE
BLOCK:	1283
LOT:	21
BIN:	1035421
ZONING DISTRICT:	C5-3 RESTRICTED CENTRAL COMMERCIAL DIST.
ZONING MAP No.:	8D
SPECIAL PURPOSE DIST.:	MID – SPECIAL MIDTOWN DISTRICT
SPECIAL PURPOSE SUBDIST.:	EM – EAST MIDTOWN SUBDISTRICT
COMMUNITY BOARD:	105
OCCUPANCY CLASS:	E – BUSINESS (1968 CODE)
CONSTRUCTION CLASS:	TYPE 1-B NONCOMBUSTIBLE (1968 CODE)
No. OF STORIES:	52
HEIGHT OF BUILDING:	683'±



KEY PLAN
Scale : 1" = 40'



LEGEND	
	BUILDING UNDER CONSIDERATION
	PROPERTY LINE

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.			
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CLIENT TISHMAN CONSTRUCTION COMPANY 111 BROADWAY, SUITE 603 NEW YORK, NY 10006			
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PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE GENERAL NOTES AND KEY PLAN			
SEAL & SIGNATURE 		DRAWING BY: KC DATE: 07/09/2018 PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-101.00	
V:2018\18211.00.00		3 OF 36	

OCCUPANT PROTECTION PLAN :

1. GENERAL
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2014 NYC BUILDING CODE, 2014 NYC FIRE CODE, OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND ALL OTHER APPLICABLE REGULATIONS PERTAINING TO THIS WORK.
2. SCOPE OF WORK
- A. THE SCOPE OF WORK HEREIN IS LIMITED TO HAND DEMOLITION OF NON-STRUCTURAL ELEMENTS AT FLOORS 29 AND 41. THE WORK IS FURTHER LIMITED TO THE AREA OUTSIDE THE CORE. EXISTING ELECTRICAL, MECHANICAL, PLUMBING, AND FIRE SUPPRESSION SYSTEMS ON THESE TWO FLOORS WILL BE CUT BACK TO THE CORE AND THESE SYSTEMS WILL REMAIN IN SERVICE ON ALL OTHER OCCUPIED FLOORS.

B. FLOORS 29 AND 41 ARE VACANT. THE REMAINDER OF THE BUILDING IS OCCUPIED. WORK SHALL NOT BEGIN UNTIL THE ENTIRE FLOOR IS VACANT AND THE MODIFICATIONS TO THE ELECTRICAL, MECHANICAL, PLUMBING, AND FIRE SUPPRESSION SYSTEMS ARE COMPLETED. THE CONSTRUCTION MANAGER SHALL DETERMINE WHEN DEMOLITION CAN COMMENCE ON AN INDIVIDUAL FLOOR.

C. BUILDING OCCUPANTS ARE NOT PERMITTED ON FLOORS 29 AND 41 DURING DEMOLITION UNLESS AUTHORIZED BY THE BUILDING OWNER OR CONSTRUCTION MANAGER. ALL PERSONS ENTERING THE FLOORS SHALL WEAR PERSONAL PROTECTIVE GEAR.

ACCESS TO THE WORK AREA SHALL BE CLOSED OFF TO THE BUILDING OCCUPANTS PRIOR TO THE START OF ANY ACTIVITY.

APPROPRIATE SIGNAGE SHALL BE POSTED IN VISIBLE LOCATIONS TO ALERT THE BUILDING OCCUPANTS OF THE RESTRICTED AREAS.

D. DEBRIS REMOVAL SHALL BE DONE MANUALLY USING MINI-CONTAINERS. THE CONTAINERS ARE TO BE LOADED ONTO BUILDING FREIGHT ELEVATORS ON FLOORS 29 AND 41 AND BROUGHT DOWN TO THE 12TH FLOOR. AT THE 12TH FLOOR THE CONTAINERS ARE TRANSFERRED TO THE PODIUM ELEVATORS AND BROUGHT TO THE GROUND FLOOR TO BE REMOVE FROM THE BUILDING AT THE LOADING DOCK AREA.

E. USE OF NON-HANDHELD DEMOLITION MECHANICAL EQUIPMENT IS NOT PERMITTED UNDER THIS APPLICATION. TORCH CUTTING IS NOT PERMITTED UNDER THIS APPLICATION.
3. MEANS-OF-EGRESS
- A. TWO MEANS OF EGRESS FROM ALL FLOORS SHALL BE MAINTAINED AT ALL TIMES DURING DEMOLITION AS INDICATED ON THE APPROVED PLAN. THERE IS NO CHANGE IN EGRESS AS A RESULT OF THIS WORK.

B. ALL MEANS OF EGRESS SHALL BE LIGHTED AT ALL TIMES, SHALL REMAIN UNOBSTRUCTED, AND SHALL BE KEPT FREE OF EQUIPMENT, DEBRIS, AND MATERIAL.

C. PROVIDE CLEAR PATHWAY AND SIGNAGE FOR EMERGENCY EGRESS FOR THE BUILDING OCCUPANTS AND WORKERS FROM THE WORK AREA.
4. FIRE SAFETY
- A. PRECAUTIONS SHALL BE TAKEN TO PROVIDE FOR FIRE AND LIFE SAFETY AT ALL TIMES.

APPROVED PORTABLE FIRE EXTINGUISHERS MUST BE AVAILABLE ON FLOORS WHERE COMBUSTIBLE MATERIALS OR LIQUIDS AREA STORED, WHERE COMBUSTIBLE WASTE IS BEING GENERATED AND AT THE ENTRANCE OF EACH STORAGE AND CONSTRUCTION SHED. NYC FIRE CODE 1413.1

B. FIRE GUARDS ARE TO BE PRESENT DURING NORMAL WORKING HOURS.

C. AREAS OUTSIDE OF WORK AREA SHALL BE KEPT UNOBSTRUCTED AT ALL TIMES.

D. SMOKING IS STRICTLY PROHIBITED WITHIN THE WORK AS SPECIFIED BY THE 2014 NYC BUILDING CODE AND 2014 NYC FIRE CODE.

ALL SHANTIES AND CONTRACTOR SHEDS SHALL BE CONSTRUCTED FROM FIRE-RETARDANT OR NON-COMBUSTIBLE MATERIALS AND SHALL BE LOCATED IN A SAFE AREA. NYC BUILDING CODE 3303.1.3.

E. ALL HOT WORK SHALL COMPLY WITH 2014 NYC FIRE CODE AND CURRENT NFPA REQUIREMENTS.

F. ALL BUILDING MATERIAL STORED AT THE WORK AREA AND/OR IN ANY AREA OF THE BUILDING ARE TO BE STORED IN A LOCKED AREA. ACCESS TO SUCH AREA IS CONTROLLED BY THE OWNER AND/OR CONSTRUCTION MANAGER.

G. ALL MATERIALS ARE TO BE STORED IN AN ORDERLY FASHION.

H. ALL FLAMMABLE MATERIALS ARE TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURER'S CONTAINERS. SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.

I. ALL POWER TO BE SHUT OFF WHERE THERE IS AN EXPOSED CONDUIT.

J. THE CONTRACTOR AT ALL TIMES IS TO MAKE SURE THAT THERE IS NO LEAKAGE OF NATURAL GAS IN THE BUILDING OR ANY FLAMMABLE GAS IS USED IN DEMOLITION.

K. THE CONTRACTOR SHALL PROVIDE AT LEAST ONE CLASS ABC PORTABLE HAND FIRE EXTINGUISHER FOR EACH 1000 SQUARE FEET OF CONSTRUCTION AREA OR FRACTION THEREOF, BUT NOT LESS THAN ONE.
5. HEALTH REQUIREMENTS
- A. DEBRIS, DUST, AND DIRT TO BE KEPT TO A MINIMUM WHEREVER POSSIBLE AND BE CONFINED TO THE IMMEDIATE WORK AREA. PRECAUTIONS SHALL BE TAKEN TO LIMIT THE AMOUNT OF DUST MIGRATION TO ADJACENT AREAS.

B. THE SCOPE OF THE PROJECT DOES NOT INVOLVE THE ABATEMENT OF ASBESTOS-CONTAINING MATERIALS. ALL DEMOLITION ACTIVITIES ARE TO BE GOVERNED BY BEST PRACTICES AS APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) RULES AND REGULATIONS.

C. ANY AND ALL DEMOLITION DEBRIS SHALL BE TEMPORARILY STORED WITHIN THE WORK AREA AND SUBSEQUENTLY REMOVED AND DISPOSED OF IN A PROPER MANNER FROM THE BUILDING. REMOVAL AND DISPOSAL OF DEMOLITION DEBRIS SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE 2014 BUILDING CODE AND DEP RULES AND REGULATIONS.
6. STRUCTURAL SAFETY
- A. NON-HANDHELD MECHANICAL EQUIPMENT IS NOT PERMITTED.

B. THE PROPOSED WORK WILL NOT AFFECT THE BUILDING'S STRUCTURAL INTEGRITY. THE PROPOSED SCOPE OF WORK DOES NOT INVOLVE THE ALTERATION OF ANY EXISTING STRUCTURAL ELEMENTS.
7. NOISE RESTRICTIONS
- A. PRECAUTIONS ARE TO BE TAKEN TO REDUCE THE AMOUNT OF NOISE GENERATED DURING THE DEMOLITION PROCESS IN COMPLIANCE WITH THE DEP RULES AND REGULATIONS FOR NOISE MITIGATION.

B. DEMOLITION OPERATIONS WILL BE LIMITED THE FOLLOWING HOURS : MONDAY THRU FRIDAY, 7:00 AM TO 6:00 PM.

C. IF IT IS ACCEPTABLE TO WORK WEEKENDS AND AFTER-HOURS, THE CONTRACTOR SHALL OBTAIN AN AFTER-HOURS WORK PERMIT FROM ALL APPLICABLE NYC AGENCIES PRIOR TO WORKING AFTER HOURS.

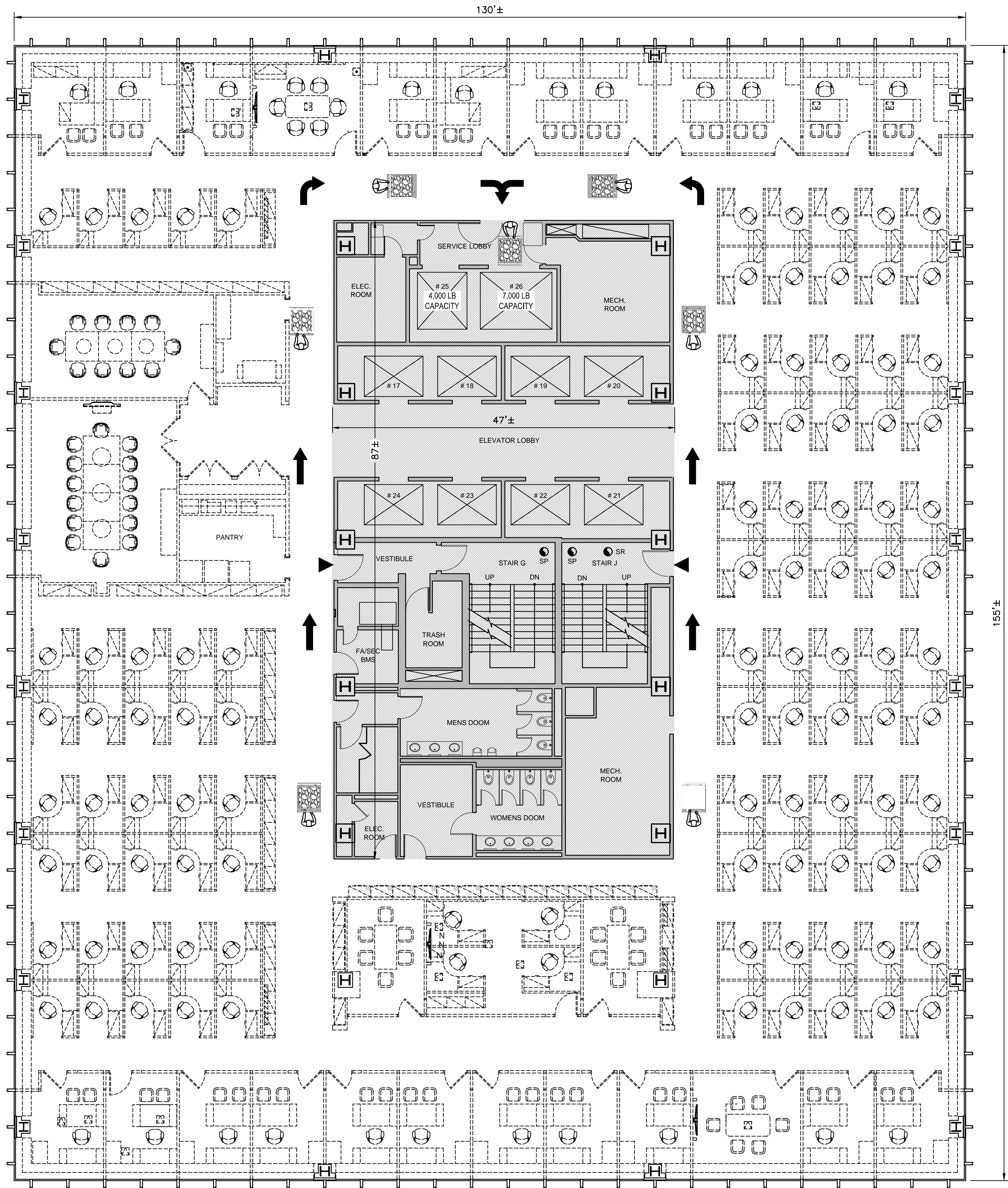
8. MAINTAINING ESSENTIAL SERVICES
- A. NO FLOORS WHERE DEMOLITION ACTIVITIES WILL BE TAKING PLACE SHALL BE OCCUPIED AT BY BUILDING OCCUPANTS. SPRINKLER AND FIRE STANDPIPE ON FLOORS ABOVE AND BELOW THE DEMOLITION FLOORS ARE TO BE MAINTAINED AT ALL TIMES. ON FLOORS WHERE DEMOLITION ACTIVITIES ARE TO OCCUR, THERE WILL BE FIRE GUARDS PRESENT AS REQUIRED BY THE 2014 NYC FIRE CODE.

B. REFERENCE SYSKA HENNESEY DRAWING FOR PLANS ADDRESSING THE MAINTENANCE OF HEAT, WATER, ELECTRICITY, VENTILATION AND FIRE SUPPRESSION SYSTEMS IN THE OCCUPIED PORTION OF THE BUILDING.

C. DEMOLITION OPERATIONS SHALL NOT INVOLVE UNPLANNED INTERRUPTION OF HEATING, WATER, OR ELECTRICAL SERVICES, OR VENTILATION TO BUILDING OCCUPANTS.

D. WHERE BUILDING UTILITIES ARE TO BE TEMPORARILY SUSPENDED DUE TO CONSTRUCTION ACTIVITIES, AT LEAST 24-HOUR NOTIFICATION SHALL BE PROVIDED TO THE BUILDING OCCUPANTS. NOTIFICATION SHALL INDICATE THE PERIOD OF TEMPORARY DISRUPTION.

No.	DATE	DESCRIPTION	BY
<div>HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.</div> <div>266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563 TEL: (516) 791-2600 FAX: (516) 791-5425 COPYRIGHT DESIGN NOT TO BE LENT, COPIED, OR REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT. THIS OFFICE DISCLAIMS ANY RESPONSIBILITY FOR DRAWINGS OR OTHER DOCUMENTS RELATED TO THIS PROJECT UNLESS THEY BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER OF THIS OFFICE. THE NEW YORK STATE EDUCATION LAW PROHIBITS ANY ALTERATIONS TO, OR DELETIONS FROM, THIS DRAWING EXCEPT AS MAY BE MADE BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHO WILL BEAR THE RESPONSIBILITY FOR SUCH CHANGE.</div>			
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PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE OCCUPANT PROTECTION PLAN			
SEAL & SIGNATURE <div>John Young, RA Buildings APPROVED 07/11/2018 BEST SSP</div>		DRAWING BY: KC DATE: 07/09/2018 PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-102.00	
V:2018\18211.00.00		4 OF 36	



41ST FLOOR PLAN
Scale : 1/8" = 1'-0"



1. THESE PLANS ADDRESS THE NON-STRUCTURAL INTERIOR DEMOLITION AT THE 41ST AND 29TH FLOORS IN ADVANCE OF THE FUTURE STRUCTURAL DEMOLITION (FILED SEPARATELY).

THIS APPLICATION IS FOR THE REMOVAL OF THE FOLLOWING INTERIOR NON-LOAD BEARING ELEMENTS OUTSIDE THE CORE AREA OF THE TOWER (SEE PLAN ON SSP-103 AND SSP-104) :

FURNITURE
PARTITION WALLS
CEILING
COLUMN ENCLOSURES

LIGHTING
POWER
VOICE & DATA LINES
FINISHES

MILL WORK
DOORS
CARPETING
FAN COIL UNITS

FLOORING
RAISED FLOORS
DUCT WORK

INCLUDING BATHROOM, KITCHEN FIXTURES, AND ASSOCIATED PLUMBING AND WIRING OUTSIDE THE CORE AREA.

THE SCOPE OF REMOVALS EXCLUDES :

THE INTERIOR ELEMENTS AND MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SUPPRESSION SYSTEMS WITHIN THE CORE TO SUSTAIN THESE SYSTEMS WITHIN THE OCCUPIED BUILDING.

ANY LOAD BEARING ELEMENTS SUCH AS CONCRETE FLOOR SLABS, METAL DECKING, STEEL BEAMS, AND STEEL COLUMNS SHALL NOT BE REMOVED.

FIREPROOFING AND CONCRETE ENCASEMENT SHALL NOT BE REMOVED FROM ANY STRUCTURAL MEMBER. THIS INCLUDES SPRAY ON FIREPROOFING ON METAL DECKING, STEEL FRAMING, AND STEEL COLUMNS.

STAIRS AND ASSOCIATED STAIR ENCLOSURE WALLS AND FIRE DOORS SHALL NOT BE REMOVED. STAIRS TO BE MAINTAINED AS FIRE PROTECTED EGRESS.

ELEVATORS, ELEVATOR DOORS, SHAFT WALLS, AND ELEVATOR EQUIPMENT SHALL NOT BE REMOVED.

GLASS WINDOWS AND ELEMENTS OF THE CURTAIN WALL SYSTEM SHALL NOT BE REMOVED.

ANY GLASS WINDOWS, PLUMBING, ELECTRICAL WIRING OR SURROUNDING STRUCTURE THAT COULD BE DAMAGED BY THE WORK SHALL BE PROTECTED.

THE REMOVAL OF ANY BUILDING ELEMENT THAT COULD CAUSE CONTAMINATED MATERIAL TO BECOME DISTURBED IS STRICTLY PROHIBITED.

2. THE WORK SHALL BE DONE IN COMPLIANCE WITH THE 2014 NYC BUILDING CODE (CHAPTER 33), 2014 NYC FIRE CODE AND OSHA REGULATIONS GOVERNING WORKER HEALTH AND SAFETY.

3. WORK TO BE DONE USING HAND TOOLS ONLY. USE OF NON-HANDHELD MECHANICAL EQUIPMENT IS STRICTLY PROHIBITED.

4. THE EXISTING FIRE SUPPRESSING SYSTEM (SPRINKLERS AND STANDPIPES) WITHIN THE CORE SHALL REMAIN UNDISTURBED DURING THE WORK AND SHALL BE KEPT OPERATIONAL AT ALL TIMES.

THE EXISTING SPRINKLERS BEYOND THE CORE SHALL BE REMOVED FROM SERVICE. REMOVE ALL EXISTING SPRINKLER HEADS AND ASSOCIATED PIPING AND CUT ALL PIPING BACK TO EXISTING SPRINKLER CONTROL VALVE AND CAP. SEE SYSKA HENNESSEY SPRINKLER DRAWINGS FOR DETAILS.

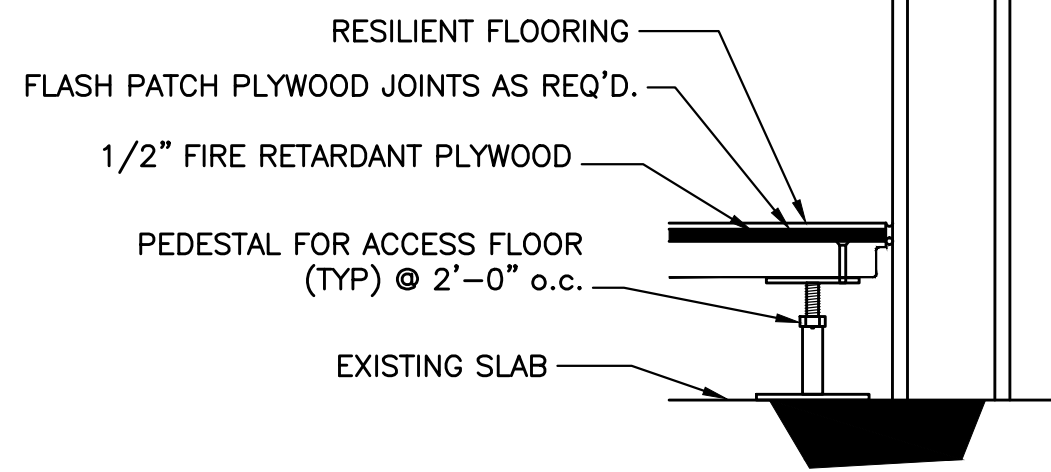
PRIOR TO MODIFYING THE SPRINKLER SYSTEM A LETTER OF NO OBJECTION SHALL BE OBTAINED FROM FDNY AND A PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF BUILDINGS TO MODIFY THE SPRINKLER SYSTEM.

5. ASBESTOS ABATEMENT IS NOT PART OF THIS SUBMITTAL. ALL REGULATIONS RELATED TO THE SAFE HANDLING OF ASBESTOS CONTAINING MATERIALS SHALL BE OBSERVED AND CARRIED OUT BY PERSONS TRAINED AND AUTHORIZED TO PERFORM SUCH WORK.

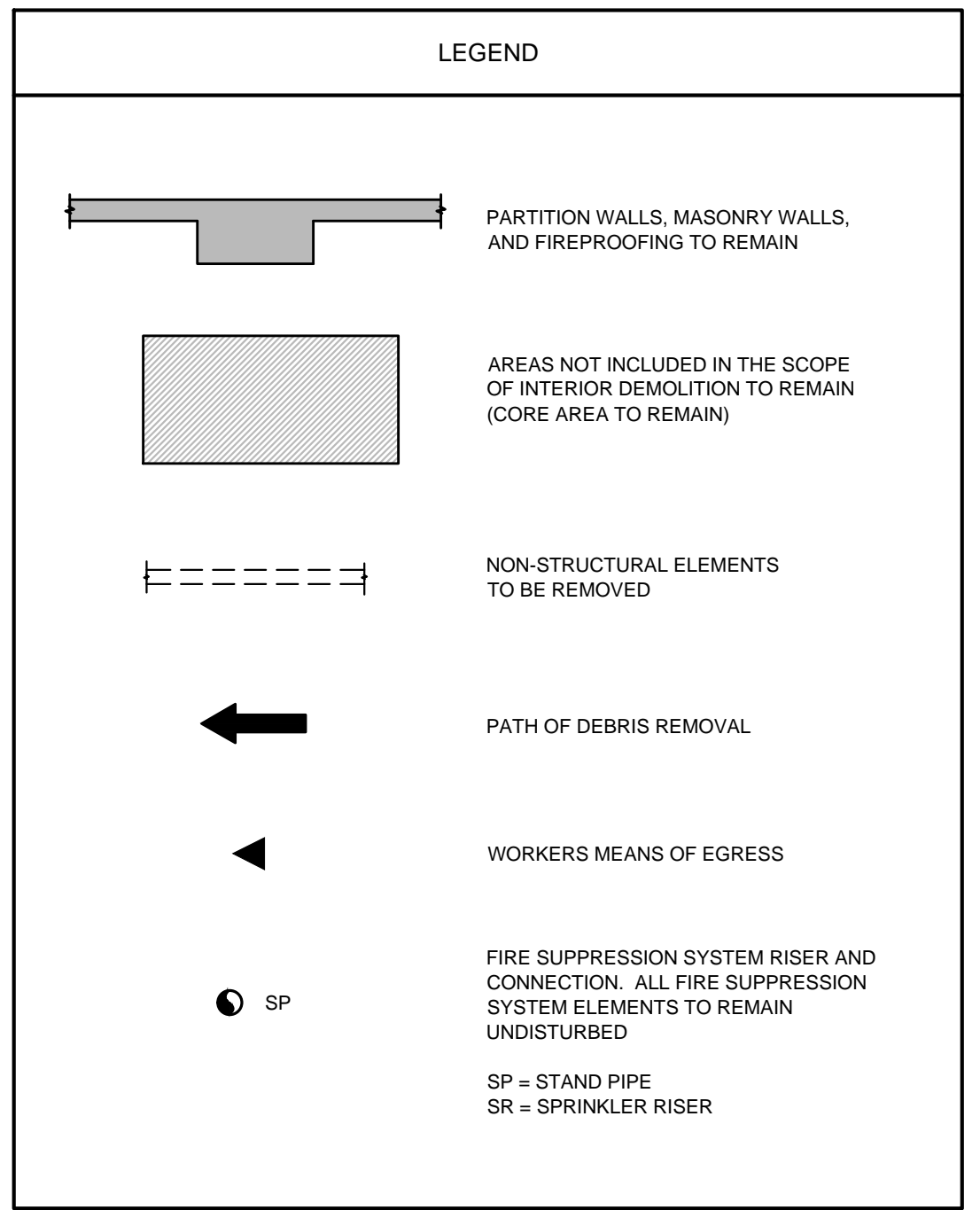
6. ACCUMULATED DEBRIS SHALL BE CLEARED BY HAND AND LOADED INTO MINI-CONTAINERS AT THE END OF EACH WORK SHIFT. EXISTING ELEVATORS WILL BE USED TO TRANSPORT DEBRIS DOWN TO THE 12TH FLOOR THEN THEN TRANSFERRED ALONG THE 12TH FLOOR TO THE PODIUM ELEVATORS. FROM THE PODIUM ELEVATORS THE DEBRIS IS BROUGHT TO THE GROUND FLOOR FOR REMOVAL.

7. ACCESS TO THE WORK AREA SHALL BE CLOSED TO THE PUBLIC AND BUILDING OCCUPANTS PRIOR TO THE START OF ANY ACTIVITY.

POST APPROPRIATE SIGNAGE TO INDICATE THE AREAS OFF LIMITS TO THE PUBLIC AND BUILDING OCCUPANTS.



ACCESS FLOOR DETAIL
Scale : 1 1/2" = 1'-0"



FLOOR AREA AND WORK AREAS		
FLOOR	TOTAL FLOOR AREA (GROSS)	WORK AREA*
41ST FL	20,150 SQ.FT	16,060 SQ.FT

*WORK AREAS ARE THE NET FLOOR AREAS, EXCLUDING THE STAIRS, ELEVATOR SHAFTS, UTILITY SHAFTS, AND PORTION OF FLOOR AREA NOT INCLUDED IN THIS SCOPE OF WORK.

No.	DATE	DESCRIPTION	BY
HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.			
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CLIENT TISHMAN CONSTRUCTION COMPANY 111 BROADWAY, SUITE 603 NEW YORK, NY 10006			
PROJECT SITE SAFETY PLAN FOR DEMOLITION OPERATIONS AT 270 PARK AVENUE, MANHATTAN, NY			
ZONING INFORMATION BLOCK: 1283 LOT: 21 ZONE: C5-3 ZONING MAP: 8D COMMUNITY BOARD: 105 BIN #: 1035421			
PLACE STICKER HERE		EXAMINER'S STAMP HERE	
TITLE INTERIOR DEMOLITION 41ST FLOOR PLAN			
SEAL & SIGNATURE John Young, RA Buildings APPROVED 07/11/2018 BEST SSP	DRAWING BY: KC DATE: 07/09/2018 PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-103.00		
V:2018\18211.00.00		5 OF 36	

DEMOLITION OF PLANTERS AND CANOPIES AT BUILDING EXTERIOR

270 PARK AVENUE, MANHATTAN, NY

1.0 GENERAL NOTES

- THESE PLANS ADDRESS THE MEANS-AND-METHODS OF DEMOLITION AND REMOVAL OF CONCRETE PLANTERS ALONG THE E.47TH ST, E.48TH ST, AND PARK AVENUE FRONTAGES AND TWO CANOPY STRUCTURES AT THE BUILDING ENTRANCES ON THE NORTH AND SOUTH SIDE OF THE BREEZEWAY.

THE PLANTER DEMOLITION ALSO INCLUDES TRANSPLANTING THE EXISTING TREES, REMOVAL OF SOIL AND IRRIGATION SYSTEMS, REMOVAL OF TWO FLAG POLES, AND THE DEMOLITION OF SEVERAL BOLSTERS. THESE ELEMENTS ARE WITHIN THE PROPERTY LINE, BUT DO REQUIRE THE WORK TO TAKE PLACE ON THE SURROUNDING SIDEWALKS AND CURBLANES. THERE ARE ALSO METRO-NORTH RAILROAD VENTILATION OPENINGS WITH GRATING IN THE WORK AREA THAT REQUIRE PROTECTION.

THE PURPOSE OF THESE REMOVALS IS TO CLEAR THE AREA SURROUNDING THE BUILDING FOR INSTALLATION OF SIDEWALK SHEDS, SITE FENCING, AND CONSTRUCTION HOISTS IN PREPARATION FOR THE BUILDING DEMOLITION. UPON COMPLETION OF THE PLANTER DEMOLITION, CONCRETE JERSEY BARRIERS SHALL BE INSTALLED TO MAINTAIN PROTECTION OF THE BUILDING.

THE BUILDING WILL BE OCCUPIED DURING THE PLANTER AND CANOPY DEMOLITION, THOUGH PORTIONS OF THE BUILDING EGRESS, SIDEWALKS, AND CURBLANES WILL BE TEMPORARILY RESTRICTED TO PUBLIC ACCESS WHILE THE WORK IS PERFORMED.
- THESE PLANS DO NOT COVER OTHER REQUIREMENTS SUCH AS POTENTIAL ASBESTOS ABATEMENT, UTILITY MODIFICATIONS, OR MODIFICATION OF FIRE SUPPRESSION SYSTEMS. SEE SYSKA-HENNESSEY DRAWINGS FOR MECHANICAL, ELECTRICAL, AND PLUMBING MODIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERTINENT REGULATIONS GOVERNING DEMOLITION, SPECIFICALLY CHAPTER 33 OF THE 2014 NYC BUILDING CODE, FDNY REGULATIONS FOR HOT WORKS, AND OSHA SAFETY AND HEALTH REGULATIONS.
- THE PERMIT HOLDER SHALL NOTIFY THE DEPARTMENT OF BUILDINGS VIA PHONE AT (212) 393-2550 WITHIN 24 TO 48 HOURS PRIOR TO COMMENCEMENT OF DEMOLITION. TAKE NOTE OF THE PROVIDED CONFIRMATION NUMBER AT TIME OF CALL.

IF WORK WILL NOT BEGIN AS SCHEDULED, NOTIFY THE DOB BY THE CALLING THE ABOVE NUMBER AND PROVIDE THE ORIGINAL CONFIRMATION NUMBER. NOTIFICATION OF CANCELLATION MUST BE MADE NO LATER THAN THE DAY WORK WAS SCHEDULED TO BEGIN.
- ADJOINING PROPERTY OWNERS SHALL BE NOTIFIED OF UPCOMING DEMOLITION OPERATIONS IN WRITING NOT LESS THAN 10 DAYS PRIOR TO THE SCHEDULED STARTING DATE OF DEMOLITION. THE WRITTEN NOTICE SHALL PROVIDE A DESCRIPTION OF THE WORK TO BE PERFORMED, THE TIMEFRAME AND SCHEDULE, AND CONTACT INFORMATION OF THE PERSON CAUSING THE DEMOLITION AND OF THE EQUIPMENT.
- DURING DEMOLITION, CONTINUOUS INSPECTIONS SHALL BE MADE BY THE CONTRACTOR'S COMPETENT PERSON AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM WEAKENED OR DETERIORATED FLOORS, OR WALLS, OR LOOSENED MATERIAL. NO INDIVIDUAL SHALL BE PERMITTED TO WORK WHERE SUCH HAZARDS EXIST UNTIL THEY ARE CORRECTED BY SHORING, BRACING, OR OTHER EFFECTIVE MEANS.

IN THIS APPLICATION, INSPECTION OF THE INTERSTITIAL SPACE BETWEEN THE GROUND FLOOR LEVEL AND TRAIN SHED HUNG CEILING AND THE TRAIN SHED CEILING ITSELF SHALL BE INCLUDED.
- SUBSTANTIAL CHANGES GOVERNED BY FIELD CONDITIONS OR UNUSUAL CONDITIONS SHALL BE PROMPTLY REPORTED TO THE ENGINEER OF RECORD.

2.0 DEMOLITION PROCEDURE

- SEQUENCE 1 : HAND OR MECHANICAL DEMOLITION OF THREE BOLSTERS AT THE NORTH AND SOUTH BREEZEWAY ENTRANCES (SEQUENCE 1 NORTH AND SEQUENCE 1 SOUTH). TO MINIMIZE IMPACT ON THE BUILDING EGRESS, THE DEMOLITION AT THE NORTH AND SOUTH SIDES SHALL NOT BE PERFORMED SIMULTANEOUSLY.
- SEQUENCE 2 : REMOVAL OF TWO FLAGPOLES FROM THE PLANTER AT THE SOUTH END OF THE PARK AVENUE FRONTAGE.
- SEQUENCE 3 : REMOVAL OF TREES AND SOIL FROM PLANTERS AND MECHANICAL DEMOLITION OF THE CONCRETE PLANTER BOXES IN FOUR AREAS. DEMOLITION OF EACH AREA SHALL OCCUR IN ONE AREA AT A TIME TO MINIMIZE THE IMPACT ON THE BUILDING EGRESS (THE ORDER IN WHICH THE AREAS ARE DEMOLISHED IS AT THE CONTRACTOR'S DISCRETION).
- SEQUENCE 4 : HAND DISMANTLEMENT OF THE CANOPIES AT THE NORTH AND SOUTH BREEZEWAY ENTRANCES (SEQUENCE 4 NORTH AND SEQUENCE 4 SOUTH). SIMILARLY, TO MINIMIZE IMPACT ON THE BUILDING EGRESS, THE DEMOLITION AT THE NORTH AND SOUTH SIDES SHALL NOT BE PERFORMED SIMULTANEOUSLY.

3.0 DEMOLITION EQUIPMENT

3.1 HANDHELD MECHANICAL EQUIPMENT AND POWER SOURCES :

CHIPPING GUN	RIVET BUSTER	COMPRESSOR
CUTTING WHEEL	JACK HAMMER	OXY-ACETYLENE BURNING OUTFIT
SAWZ-ALL	CHAINSAW	(FDNY PERMIT REQUIRED)
DEMOLITION SAW	GENERATOR	

3.2 MECHANICAL EQUIPMENT PERMITTED TO OPERATE ON SIDEWALK, PLAZA AREA, AND CURBLANE :

BOBCAT E26 COMPACT EXCAVATOR	OPERATING WT = 5700 LBS	ATTACHMENT WEIGHT = 400 LBS
BOBCAT S130 SKID-STEER	OPERATING WT = 5300 LBS	RATED CAPACITY = 1300 LBS
BROCK 160 BREAKER	OPERATING WT = 3600 LBS	ATTACHMENT WEIGHT = 550 LBS

MAGNI RTH 5.25 SMART TELEHANDLER	OPERATING WT = 38,000 LBS
----------------------------------	---------------------------

MINIMUM CAPACITY WITH JIB : 45 FT RADIUS AND 40' HEIGHT = 2200 LBS
FULL EXTENDED OUTRIGGERS AND WITH J 2000 JIB

MINIMUM CAPACITY WITH FORKS : 11,000 LBS AT 15' REACH
FRONTAL POSITION ON TIRES WITH FORKS.

MECHANICAL EQUIPMENT WITH EQUIVALENT OPERATING WEIGHT OR CAPACITY CAN BE SUBSTITUTED. REVIEW WITH ENGINEER BEFOREHAND.

4.0 FIRE DEPARTMENT CONNECTIONS, SPRINKLERS, AND STANDPIPES

- PLANTERS IN AREAS 2 AND 3 HAVE FIRE DEPARTMENT CONNECTIONS BUILT INTO THE PLANTER AND TIE INTO CROSS CONNECTIONS IN THE INTERSTITIAL SPACE BETWEEN THE GROUND FLOOR AND TRAIN SHED CEILING.

THESE CONNECTIONS SHALL BE REMAIN ACCESSIBLE TO FDNY DURING DEMOLITION OPERATIONS. WHEN WORK IS NOT BEING PERFORMED, FIRE DEPARTMENT ACCESS SHALL BE PROVIDED BY MOVING THE PLASTIC JERSEY BARRIERS TO CREATE A CLEAR PATH TO THE CONNECTIONS.

THESE CONNECTIONS SHALL BE MAINTAINED IN THE CURRENT LOCATION FOLLOWING DEMOLITION. ADDITIONAL SUPPORT AND SIGNAGE MAY BE REQUIRED AFTER THE PLANTERS ARE REMOVED.

5.0 LANDMARK BUILDINGS

- THE BUILDING IS NOT A LANDMARK BUILDING.
- THERE ARE NO LANDMARK BUILDINGS WITHIN 90 FEET OF THIS PROJECT.

6.0 SUBWAY AND SUBWAY ENTRANCES

- THERE ARE TWO LEVELS OF ACTIVE METRO-NORTH RAILROAD TRAIN LINES UNDER THE TOWER AND A PORTION OF THE PODIUM.
- THERE IS A PUBLIC METRO-NORTH ENTRANCE AT THE SW CORNER OF THE PODIUM (CORNER OF E.48TH ST AND MADISON AVE).
- THERE IS A OUT-OF-SERVICE METRO-NORTH SIDEWALK ELEVATOR ADJACENT TO THE METRO-NORTH ENTRANCE ON E. 47TH STREET.
- THESE PLANS SHALL BE SUBMITTED TO AND APPROVED BY METRO-NORTH PRIOR TO OBTAINING THE DEPARTMENT OF BUILDINGS PERMIT.

7.0 FLOOD HAZARD

- THE PROPERTY UNDER CONSIDERATION IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA, AS DEFINED ON 2007 AND 2013 FEMA FIRM MAPS.

8.0 RELATED APPLICATIONS

- SEE SYSKA-HENNESSEY DRAWINGS ADDRESSING REMOVAL OF PLUMBING AND MODIFICATION SPRINKLER/STANDPIPE.

PHASE 1.2

DRAWING LIST :

SSP-121.00	KEY PLAN AND GENERAL NOTES
SSP-122.00	DEMOLITION NOTES
SSP-123.00	OCCUPANT PROTECTION PLAN AND LEGEND
SSP-124.00	PHASE 1 - OVERALL SITE PLAN & EXISTING EGRESS - DEMOLITION OF PLANTERS, BOLSTERS, BIKE RACKS, AND CANOPIES
SSP-125.00	PHASE 1 - SEQUENCE 1 SOUTH - DEMOLITION OF BOLSTERS IN SOUTH BREEZEWAY - SITE PLAN & EGRESS
SSP-126.00	PHASE 1 - SEQUENCE 1 NORTH - DEMOLITION OF BOLSTERS IN NORTH BREEZEWAY - SITE PLAN & EGRESS
SSP-127.00	PHASE 1 - SEQUENCE 1 - DEMOLITION OF BOLSTERS AT BREEZEWAY EGRESSES
SSP-128.00	PHASE 1 - SEQUENCE 2 - FLAGPOLE REMOVAL - SITE PLAN & EGRESS
SSP-129.00	PHASE 1 - SEQUENCE 2 - FLAGPOLE REMOVAL
SSP-130.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 1 - SITE PLAN & EGRESS
SSP-131.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 2 - SITE PLAN & EGRESS
SSP-132.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 & 2 - PLAN & SECTION X-X
SSP-133.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 & 2 - SECTIONS Y-Y & Z-Z
SSP-134.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREAS 1 TO 4 - SEQUENCE OF REMOVAL
SSP-135.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 3 - SITE PLAN & EGRESS
SSP-136.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 3 - PLAN & SECTIONS
SSP-137.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 4 - SITE PLAN & EGRESS
SSP-138.00	PHASE 1 - SEQUENCE 3 - DEMOLITION OF AREA 4 - PLAN & SECTION X-X
SSP-139.00	PHASE 1 - SEQUENCE 4 SOUTH - DEMOLITION OF BREEZEWAY CANOPIES - SITE PLAN & EGRESS
SSP-140.00	PHASE 1 - SEQUENCE 4 NORTH - DEMOLITION OF BREEZEWAY CANOPIES - SITE PLAN & EGRESS
SSP-141.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPIES - PARTIAL PLAN VIEW
SSP-142.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPIES - SECTIONS A-A & B-B
SSP-143.00	PHASE 1 - SEQUENCE 4 - REMOVAL OF SOIL, DECKING, AND COVERS - PARTIAL PLAN VIEW
SSP-144.00	PHASE 1 - SEQUENCE 4 - REMOVAL OF SOIL, DECKING, AND COVERS - SECTIONS A-A & B-B
SSP-145.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - POSITION 1
SSP-146.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - POSITION 2
SSP-147.00	PHASE 1 - SEQUENCE 4 - DEMOLITION OF BREEZEWAY CANOPY FRAMING - TELEHANDLER CRIBBING DETAIL AT NORTH BREEZEWAY
SSP-148.00	MECHANICAL EQUIPMENT CUT SHEET
SSP-149.00	EXIT STAIRS CAPACITY AT GROUND FLOOR

NYCECC COMPLIANCE :

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT THIS APPLICATION IS IN COMPLIANCE NYCECC 2016.

ENERGY ANALYSIS FOR PARTIAL DEMOLITION WORK, AS SHOWN NYCECC 2016 - CLIMATE ZONE: 4A (NEW YORK)	
ITEM DESCRIPTION	CODE AND PROPOSED DESIGN VALUES
DEMOLITION OF EXTERIOR APPURTENANCES ON THE GROUNDS OF THE PROPERTY	NOT APPLICABLE. WORK IS SEPARATE FROM THE BUILDING AND HAS NO EFFECT ON THE BUILDING ENVELOPE.

CONTRACTOR'S DUTIES & LIMIT OF ENGINEER'S RESPONSIBILITY :

- THE PLANS HEREIN PRESENT A GENERAL SCHEME FOR DEMOLITION. DUE TO THE NATURE OF DEMOLITION, IT IS IMPOSSIBLE FOR THE ENGINEER TO ANTICIPATE ALL CONDITIONS OR CONTINGENCIES. IF THE CONTRACTOR DISCOVERS A CONDITION OR CIRCUMSTANCE THAT IS ASSESSED TO NEED THE ENGINEER'S SCRUTINY, THE CONTRACTOR SHALL PROVIDE TIMELY NOTIFICATION TO THE ENGINEER.
- THE ENGINEER DESIGNATED FOR SPECIAL INSPECTION IS RESPONSIBLE FOR PERFORMANCE OF THAT INSPECTION DUTY IN CONFORMANCE WITH NYC BUILDING CODE AND DEPT OF BUILDINGS DIRECTIVES. SEE "SPECIAL INSPECTIONS" NOTES FOR LISTING OF APPLICABLE CODE SECTIONS.
- THE ENGINEER-OF-RECORD HAS NO ONGOING PRESENCE ON THE SITE, NO CONTROL OF ACTIVITIES ON THE SITE, NO SUPERVISORY ROLE, AND NO FIELD RESPONSIBILITY FOR SITE SAFETY.
- THE CONTRACTOR IS RESPONSIBLE FOR SUPERVISION OF THE WORK INCLUDING PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC PROTECTION AND THE PROTECTION OF ADJACENT PROPERTIES IN ACCORDANCE WITH THE NYC BUILDING CODE.
- IN ORDER TO BE ABLE TO CARRY OUT DUTIES IMPOSED IN BC CHAPTERS 17 AND 33, THE SPECIAL INSPECTOR SHALL BE NOTIFIED BY THE CONTRACTOR BETWEEN 24 AND 72 HOURS PRIOR TO THE START OF DEMOLITION.
- THE ENGINEER-OF-RECORD SHALL BE NOTIFIED BY THE CONTRACTOR PROMPTLY OF ANY DEVIATION FROM THE APPROVED PLAN, UNEXPECTED CONDITIONS OR INCIDENTS INVOLVING INJURY, COLLAPSE, PROPERTY DAMAGE OR VIOLATIONS ISSUED BY GOVERNMENT ENTITIES.

SPECIAL INSPECTIONS :

MECHANICAL DEMOLITION	BC 1704.20.4
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PROGRESS INSPECTIONS :

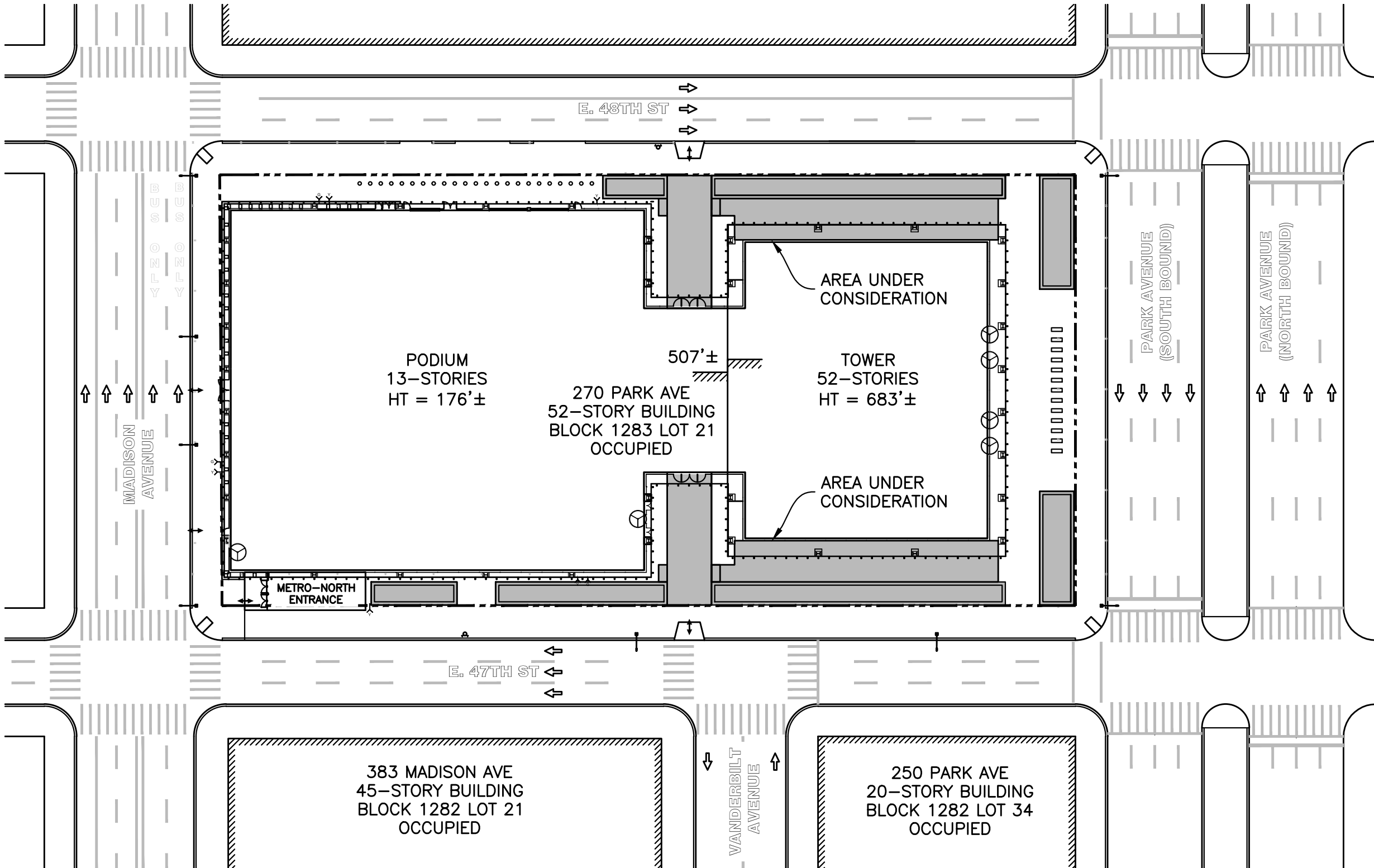
FINAL	28-116.2.4.2, BC 110.5, DIRECTIVE 14 OF 1975, AND 1 RCNY §101-10
NO ENERGY COMPLIANCE INSPECTIONS	

BUILDING INFORMATION :

BOROUGH :	MANHATTAN
ADDRESS :	270 PARK AVENUE
BLOCK :	1283
LOT :	21
BIN :	1035421
ZONING DISTRICT :	C5-3 RESTRICTED CENTRAL COMMERCIAL DIST.
ZONING MAP No. :	8D
SPECIAL PURPOSE DIST.:	MID - SPECIAL MIDTOWN DISTRICT
SPECIAL PURPOSE SUBDIST.:	EM - EAST MIDTOWN SUBDISTRICT
COMMUNITY BOARD:	105
OCCUPANCY CLASS:	E - BUSINESS (1968 CODE)
CONSTRUCTION CLASS :	TYPE 1-B NONCOMBUSTIBLE (1968 CODE)
No. OF STORIES:	52
HEIGHT OF BUILDING:	683'±

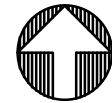
LEGEND

- AREA UNDER CONSIDERATION
- PROPERTY LINE



KEY PLAN

Scale : 1" = 50'



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CLIENT

TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

KEY PLAN AND
GENERAL NOTES

SEAL & SIGNATURE



DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

CHK BY: JS

DWG NO:

SSP-121.00

V:2018\18211.00.00

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2014 NYC BC SECTION 3306 DEMOLITION

3306.2 PROTECTION OF PEDESTRIANS AND ADJOINING PROPERTY.

DEMOLITION OPERATIONS SHALL NOT COMMENCE UNTIL THE APPLICABLE PEDESTRIAN AND ADJOINING PROPERTY PROTECTION IS IN PLACE AS REQUIRED BY SECTIONS 3307, 3308 AND 3309.

3306.2.1. SAFETY ZONE.

A SAFETY ZONE SHALL BE PROVIDED AROUND ALL DEMOLITION AREAS TO PREVENT PERSONS FROM ENTERING SUCH ZONE. WHERE DEMOLITION OCCURS ON THE EXTERIOR OF A BUILDING, SUCH ZONE SHALL BE APPROVED THE COMMISSIONER PRIOR TO THE COMMENCEMENT OF DEMOLITION. WHERE MECHANICAL DEMOLITION EQUIPMENT, OTHER THAN HANDHELD DEVICES, IS TO BE USED FOR THE FULL DEMOLITION OF A BUILDING, THE SAFETY ZONE, SHALL BE EQUAL TO OR GREATER THAN HALF THE HEIGHT OF THE BUILDING TO BE DEMOLISHED; SUCH SAFETY ZONE MAY BE REDUCED BY THE SAME RATIO AS THE BUILDING IS BEING DEMOLISHED.

EXCEPTION:

APPROVAL OF THE COMMISSIONER IS NOT REQUIRED FOR A SAFETY ZONE ESTABLISHED FOR DEMOLITION ON THE EXTERIOR OF A BUILDING, PROVIDED THE WORK IS A MINOR ALTERATION OR ORDINARY REPAIR AND IS ACCOMPANIED WITHOUT ANY MECHANICAL DEMOLITION EQUIPMENT, OTHER THAN HANDHELD DEVICES.

3306.4 MECHANICAL DEMOLITION EQUIPMENT

WHERE MECHANICAL DEMOLITION EQUIPMENT, OTHER THAN HANDHELD DEVICES, IS TO BE USED IN THE FULL OR PARTIAL DEMOLITION OF A BUILDING OR STRUCTURE, OR IS TO BE USED TO REMOVE DEBRIS OR MOVE MATERIAL, APPROVAL OF THE COMMISSIONER FOR THE USE OF THE MECHANICAL DEMOLITION EQUIPMENT MUST BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEMOLITION OPERATIONS.

3306.5.2 MAINTENANCE OF SUBMITTAL DOCUMENTS

THE APPROVED SET OF SUBMITTAL DOCUMENTS SHALL BE KEPT AT THE SITE AT ALL TIMES AND BE ACCESSIBLE FOR INSPECTION IN ACCORDANCE WITH SECTION 3301.7. IT SHALL BE A VIOLATION OF THIS CODE TO USE MECHANICAL EQUIPMENT, WHETHER HANDHELD OR OTHER THAN HANDHELD, TO PERFORM FULL OR PARTIAL DEMOLITIONS UNLESS THE APPROVED SUBMITTAL DOCUMENTS REQUIRED BY SECTION 3306.5.1 ARE AVAILABLE FOR INSPECTION. FAILURE TO MAKE SUBMITTAL DOCUMENTS AVAILABLE ON SITE MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.

3306.5.3 FILING REQUIREMENTS

WHERE SUBMITTAL DOCUMENTS ARE REQUIRED IN CONNECTION WITH FULL OR PARTIAL DEMOLITION IN ACCORDANCE WITH SECTION 3306.5, APPLICATIONS SHALL BE FILED BY THE REGISTERED DESIGN PROFESSIONAL IN ACCORDANCE WITH ARTICLE 104 OF CHAPTER 1 OF TITLE 28 OF THE ADMINISTRATIVE CODE AND SHALL BE APPROVED PRIOR TO ISSUANCE OF THE WORK PERMIT.

3306.6 SPECIAL INSPECTION

DEMOLITION SHALL BE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17.

3306.7 DEMOLITION OF WEAKENED STRUCTURES

WHERE A STRUCTURE TO BE DEMOLISHED HAS BEEN PARTIALLY WRECKED OR WEAKENED BY FIRE, FLOOD, EXPLOSION, AGE, OR OTHER CAUSES, IT SHALL BE SHORED OR BRACED TO THE EXTENT NECESSARY TO PERMIT ORDERLY FULL DEMOLITION OR PARTIAL DEMOLITION WITHOUT COLLAPSE. THE NECESSARY MEASURES TO ENSURE A SAFE DEMOLITION SHALL BE DETERMINED BY THE OWNER'S REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE COMMISSIONER.

EXCEPTION: SHORING OR BRACING ARE NOT REQUIRED FOR THE FULL DEMOLITION OF A BUILDING, SUBJECT TO THE APPROVAL OF THE COMMISSIONER, PROVIDED:

- THE DEMOLITION IS CONDUCTED WITH MECHANICAL DEMOLITION EQUIPMENT, OTHER THAN HANDHELD DEVICES; AND
- NO DEMOLITION OPERATION OCCURS, OR EQUIPMENT IS LOCATED, WITHIN THE STRUCTURE OF THE BUILDING.

3306.8 DEMOLITION SEQUENCE

ANY STRUCTURAL MEMBER THAT IS BEING DISMEMBERED SHALL NOT SUPPORT ANY LOAD OTHER THAN ITS OWN WEIGHT. NO WALL, CHIMNEY, OR OTHER STRUCTURAL PART SHALL BE LEFT IN SUCH CONDITION THAT IT MAY COLLAPSE OR BE TOPPLED BY WIND, VIBRATION OR ANY OTHER CAUSE. THE METHOD OF REMOVAL OF ANY STRUCTURAL MEMBER SHALL NOT DESTABILIZE REMAINING MEMBERS. ALL HANDLING AND MOVEMENT OF MATERIAL OR DEBRIS SHALL BE CONTROLLED SUCH THAT IT WILL NOT DEVELOP UNACCOUNTED IMPACT LOADS ON THE STRUCTURE.

3306.8.1 STRUCTURAL STEEL, REINFORCED CONCRETE, AND HEAVY TIMBER BUILDINGS

STRUCTURAL STEEL, REINFORCED CONCRETE, AND HEAVY TIMBER BUILDINGS, OR PORTIONS THEREOF, SHALL BE DEMOLISHED COLUMN LENGTH-BY-COLUMN LENGTH AND TIER-BY-TIER. STRUCTURAL MEMBERS SHALL BE CHAINED OR LASHED IN PLACE TO PREVENT ANY UNCONTROLLED SWING OR DROP.

EXCEPTION: WHERE THE DESIGN APPLICANT HAS DEMONSTRATED THE ADEQUACY OF ALTERNATE MEANS OF DEMOLITION THROUGH PLANS, CALCULATIONS, OR THE ESTABLISHMENT OF SAFETY ZONES, AS APPROPRIATE, THE COMMISSIONER MAY ACCEPT SUCH ALTERNATIVE MEANS OF DEMOLITION.

3306.9 SAFEGUARDS

DEMOLITION SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 3306.9.1 THROUGH 3306.9.14.

3306.9.1 UTILITIES AND SERVICE LINES THE REQUIREMENTS OF SECTION 3303.2 SHALL APPLY.

3306.9.3 DUST DUST PRODUCING OPERATIONS SHALL BE WETTED DOWN TO THE EXTENT NECESSARY TO CONTROL THE DUST.

3306.9.4 WATER ACCUMULATION THE REQUIREMENTS OF SECTION 3303.14 SHALL APPLY.

3306.9.11. STORAGE OF MATERIAL.

3306.9.11.1. EXAMINATION OF CONNECTIONS.

BEFORE ANY MATERIAL IS STORED ON ANY FLOOR, THE EXISTING FLOORING ADJACENT TO BEARING WALLS, SHEAR WALLS, BEAMS, AND COLUMNS SHALL BE REMOVED AND THE CONNECTIONS OF THE FLOOR FRAMING SYSTEM TO THE BEARING WALLS, SHEAR WALLS, BEAMS AND COLUMNS SHALL BE CAREFULLY EXAMINED BY A COMPETENT PERSON DESIGNATED BY THE PERMIT HOLDER TO ASCERTAIN THEIR CONDITION AND ADEQUACY TO SUPPORT SUCH MATERIAL. IF THE CONNECTIONS ARE FOUND TO BE IN POOR CONDITION OR INADEQUATE TO SUPPORT THE STORED MATERIAL, NO MATERIAL SHALL BE DEPOSITED ON THE FLOOR UNTIL THESE CONNECTIONS ARE SHORED FROM THE CELLAR FLOOR THROUGH EACH SUCCESSIVE FLOOR OR OTHERWISE STRENGTHENED TO SAFELY SUPPORT SUCH MATERIAL.

3306.11 COMPLETION OF DEMOLITION OPERATIONS.

ALL WORK REQUIRED FOR STRUCTURAL STABILITY AND PERMANENT WATERPROOFING OF ADJACENT BUILDINGS MUST BE COMPLETED PRIOR TO DEMOLITION SIGN-OFF.

OSHA 29 CFR 1926: SUBPART T-DEMOLITION

AUTHORITY: SECTION 107, CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (CONSTRUCTION SAFETY ACT) (40 U.S.C. 333); SECTIONS 4, 6, 8, OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (29 U.S.C. 653, 655, 657); SECRETARY OF LABOR'S ORDER NO. 12-71 (36 FR 8754), 8-76 (41 FR 25059), OR 9-83 (48 FR 35736), AS APPLICABLE.

1926.850 PREPARATORY OPERATIONS.

- PRIOR TO PERMITTING EMPLOYEES TO START DEMOLITION OPERATIONS, AN ENGINEERING SURVEY SHALL BE MADE, BY A COMPETENT PERSON, OF THE STRUCTURE TO DETERMINE THE CONDITION OF THE FRAMING, FLOORS, AND WALLS, AND POSSIBILITY OF UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE. ANY ADJACENT STRUCTURE WHERE EMPLOYEES MAY BE EXPOSED SHALL ALSO BE SIMILARLY CHECKED. THE EMPLOYER SHALL HAVE IN WRITING EVIDENCE THAT SUCH A SURVEY HAS BEEN PERFORMED.
- WHEN EMPLOYEES ARE REQUIRED TO WORK WITHIN A STRUCTURE TO BE DEMOLISHED WHICH HAS BEEN DAMAGED BY FIRE, FLOOD, EXPLOSION, OR OTHER CAUSE, THE WALLS OR FLOOR SHALL BE SHORED OR BRACED.

- ALL ELECTRIC, GAS, WATER, STEAM, SEWER, AND OTHER SERVICE LINES SHALL BE SHUT OFF, CAPPED, OR OTHERWISE CONTROLLED, OUTSIDE THE BUILDING LINE BEFORE DEMOLITION WORK IS STARTED. IN EACH CASE, ANY UTILITY COMPANY WHICH IS INVOLVED SHALL BE NOTIFIED IN ADVANCE.
- IF IT IS NECESSARY TO MAINTAIN ANY POWER, WATER OR OTHER UTILITIES DURING DEMOLITION, SUCH LINES SHALL BE TEMPORARILY RELOCATED, AS NECESSARY, AND PROTECTED.
- IT SHALL ALSO BE DETERMINED IF ANY TYPE OF HAZARDOUS CHEMICALS, GASES, EXPLOSIVES, FLAMMABLE MATERIALS, OR SIMILARLY DANGEROUS SUBSTANCES HAVE BEEN USED IN ANY PIPES, TANKS, OR OTHER EQUIPMENT ON THIS PROPERTY. WHEN THE PRESENCE OF ANY SUCH SUBSTANCES IS APPARENT OR SUSPECTED, TESTING PURGING SHALL BE PERFORMED AND THE HAZARD ELIMINATED BEFORE DEMOLITION IS STARTED.
- WHERE A HAZARD EXISTS FROM FRAGMENTATION OF GLASS, SUCH HAZARDS SHALL BE REMOVED.
- WHERE A HAZARD EXISTS TO EMPLOYEES FALLING THROUGH WALL OPENINGS, THE OPENING SHALL BE PROTECTED TO A HEIGHT OF APPROXIMATELY 42 INCHES.
- WHEN DEBRIS IS DROPPED THROUGH HOLES IN THE FLOOR WITHOUT THE USE OF CHUTES, THE AREA INTO WHICH THE MATERIAL IS DROPPED SHALL BE COMPLETELY ENCLOSED WITH BARRICADES NOT LESS THAN 42 INCHES HIGH AND NOT LESS THAN 6 FEET BACK FROM THE PROJECTED EDGE OF THE OPENING ABOVE. SIGNS, WARNING OF THE HAZARD OF FALLING MATERIALS, SHALL BE POSTED AT EACH LEVEL. REMOVAL SHALL NOT BE PERMITTED IN THIS LOWER AREA UNTIL DEBRIS HANDLING CEASES ABOVE.
- ALL FLOOR OPENINGS, NOT USED AS MATERIAL DROPS, SHALL BE COVERED OVER WITH MATERIAL SUBSTANTIAL ENOUGH TO SUPPORT THE WEIGHT OF ANY LOAD WHICH MAY BE IMPOSED. SUCH MATERIAL SHALL BE PROPERLY SECURED TO PREVENT ITS ACCIDENTAL MOVEMENT.
- EXCEPT FOR THE CUTTING OF HOLES IN FLOORS FOR CHUTES, HOLES THROUGH WHICH TO DROP MATERIALS, PREPARATION OF STORAGE SPACE, AND SIMILAR NECESSARY PREPARATORY WORK, THE DEMOLITION OF EXTERIOR WALLS AND FLOOR CONSTRUCTION SHALL BEGIN AT THE TOP OF THE STRUCTURE AND PROCEED DOWNWARD. EACH STORY OF EXTERIOR WALL AND FLOOR CONSTRUCTION SHALL BE REMOVED AND DROPPED INTO STORAGE SPACE BEFORE COMMENCING THE REMOVAL OF EXTERIOR WALLS AND FLOORS IN THE STORY NEXT BELOW.
- EMPLOYEE ENTRANCES TO MULTISTORY STRUCTURES BEING DEMOLISHED SHALL BE COMPLETELY PROTECTED BY SIDEWALK SHEDS OF CANOPIES, OR BOTH, PROVIDING PROTECTION FROM THE FACE OF THE BUILDING FOR A MINIMUM OF 8 FEET. ALL SUCH CANOPIES SHALL BE AT LEAST 12 FEET WIDER THAN THE BUILDING ENTRANCES OR OPENINGS (1 FOOT WIDER ON EACH SIDE THEREOF), AND SHALL BE CAPABLE OF SUSTAINING A LOAD OF 150 POUNDS PER SQUARE FOOT.

1926.851 STAIRS, PASSAGEWAYS, AND LADDERS.

- ONLY THOSE STAIRWAYS, PASSAGEWAYS, AND LADDERS DESIGNATED AS MEANS OF ACCESS TO THE STRUCTURE OF A BUILDING, SHALL BE USED. OTHER ACCESS WAYS SHALL BE ENTIRELY CLOSED AT ALL TIMES.
- ALL STAIRS, PASSAGEWAYS, LADDERS AND INCIDENTAL EQUIPMENT THERETO, WHICH ARE COVERED BY THIS SECTION, SHALL BE PERIODICALLY INSPECTED AND MAINTAINED IN A CLEAN SAFE CONDITION.
- IN A MULTISTORY BUILDING, WHEN A STAIRWELL IS BEING USED, IT SHALL BE PROPERLY ILLUMINATED BY EITHER NATURAL OR ARTIFICIAL MEANS, AND COMPLETELY AND SUBSTANTIALLY COVERED OVER AT A POINT ON WHICH WORK IS BEING PERFORMED, AND ACCESS TO THE FLOOR WHERE THE WORK IS IN PROGRESS SHALL BE THROUGH A PROPERLY LIGHTED, PROTECTED, AND SEPARATE PASSAGEWAY.

1926.852 CHUTES.

- NO MATERIAL SHALL BE DROPPED TO ANY POINT LYING OUTSIDE THE EXTERIOR WALLS OF THE STRUCTURE UNLESS THE AREA IS EFFECTIVELY PROTECTED.
- ALL MATERIALS CHUTES, OR SECTIONS THEREOF, AT AN ANGLE OF MORE THAN 45° FROM THE HORIZONTAL, SHALL BE ENTIRELY ENCLOSED, EXCEPT FOR OPENINGS EQUIPPED WITH CLOSURES AT OR ABOUT FLOOR LEVEL FOR THE INSERTION OF MATERIALS. THE OPENINGS SHALL NOT EXCEED 48 INCHES IN HEIGHT MEASURED ALONG THE WALL OF THE CHUTE. AT ALL STORIES BELOW THE TOP FLOOR, SUCH OPENINGS SHALL BE KEPT CLOSED WHEN NOT IN USE.
- A SUBSTANTIAL GATE SHALL BE INSTALLED IN EACH CHUTE AT OR NEAR THE DISCHARGE END. A COMPETENT EMPLOYEE SHALL BE ASSIGNED TO CONTROL THE OPERATION OF THE GATE, AND THE BACKING AND LOADING OF TRUCKS.
- WHEN OPERATIONS ARE NOT IN PROGRESS, THE AREA SURROUNDING THE DISCHARGE END OF A CHUTE SHALL BE SECURELY CLOSED OFF.
- ANY CHUTE OPENING, INTO WHICH WORKMEN DUMP DEBRIS, SHALL BE PROTECTED BY A SUBSTANTIAL GUARDRAIL APPROXIMATELY 42 INCHES ABOVE THE FLOOR OR OTHER SURFACE ON WHICH THE MEN STAND TO DUMP THE MATERIAL. ANY SPACE BETWEEN THE CHUTE AND THE EDGE OF OPENINGS IN THE FLOORS THROUGH WHICH IT PASSES SHALL BE SOLIDLY COVERED OVER.
- WHERE THE MATERIAL IS DUMPED FROM MECHANICAL EQUIPMENT OR WHEELBARROWS, A SECURELY ATTACHED TOEBOARD OR BUMPER, NOT LESS THAN 4 INCHES THICK AND 6 INCHES HIGH, SHALL BE PROVIDED AT EACH CHUTE OPENING.
- CHUTES SHALL BE DESIGNED AND CONSTRUCTED OF SUCH STRENGTH AS TO ELIMINATE FAILURE DUE TO IMPACT OF MATERIALS OR DEBRIS LOADED THEREIN.

1926.853 REMOVAL OF MATERIALS THROUGH FLOOR OPENINGS.

ANY OPENINGS CUT IN A FLOOR FOR THE DISPOSAL OF MATERIALS SHALL BE NO LARGER IN SIZE THAN 25 PERCENT OF THE AGGREGATE OF THE TOTAL FLOOR AREA, UNLESS THE LATERAL SUPPORTS OF THE REMOVED FLOORING REMAIN IN PLACE. FLOORS WEAKENED OR OTHERWISE MADE UNSAFE BY DEMOLITION OPERATIONS SHALL BE SHORED TO CARRY SAFELY THE INTENDED IMPOSED LOAD FROM DEMOLITION OPERATIONS.

1926.854 REMOVAL OF WALLS, MASONRY SECTIONS, AND CHIMNEYS.

- MASONRY WALLS, OR OTHER SECTIONS OF MASONRY, SHALL NOT BE PERMITTED TO FALL UPON THE FLOORS OF THE BUILDING IN SUCH A MASSES AS TO EXCEED THE SAFE CARRYING CAPACITIES OF THE FLOORS.
- NO WALL SECTION, WHICH IS MORE THAN ON STORY IN HEIGHT, SHALL BE PERMITTED TO STAND ALONE WITHOUT LATERAL BRACING, UNLESS SUCH WALL WAS ORIGINALLY DESIGNED AND CONSTRUCTED TO STAND WITHOUT SUCH LATERAL SUPPORT, AND IS IN A CONDITION SAFE ENOUGH TO BE SELF-SUPPORTING. ALL WALLS SHALL BE LEFT IN A STABLE CONDITION AT THE END OF EACH SHIFT.
- EMPLOYEES SHALL NOT BE PERMITTED TO WORK ON THE TOP OF A WALL WHEN WEATHER CONDITIONS CONSTITUTE A HAZARD.
- STRUCTURAL OR LOAD-SUPPORTING MEMBERS ON ANY FLOOR SHALL NOT BE CUT OR REMOVED UNTIL ALL STORIES ABOVE SUCH A FLOOR HAVE BEEN DEMOLISHED AND REMOVED. THIS PROVISION SHALL NOT PROHIBIT THE CUTTING OF FLOOR BEAMS FOR THE DISPOSAL OF MATERIAL OF FOR THE INSTALLATION OF EQUIPMENT, PROVIDED THAT THE REQUIREMENTS OF 1926.853 AND 1926.855 ARE MET.
- FLOOR OPENINGS WITHIN 10 FEET OF ANY WALL BEING DEMOLISHED SHALL BE PLANKED SOLID, EXCEPT WHEN EMPLOYEES ARE KEPT OUT OF THE AREA BELOW.
- IN BUILDINGS OF "SKELETON-STEEL" CONSTRUCTION, THE STEEL FRAMING MAY BE LEFT IN PLACE DURING THE DEMOLITION OF MASONRY. WHERE THIS IS DONE, ALL STEEL BEAMS, GIRDERS, AND SIMILAR STRUCTURAL SUPPORTS SHALL BE CLEARED OF ALL LOOSE MATERIAL AS THE MASONRY DEMOLITION PROGRESSES DOWNWARD.
- WALKWAYS, OR LADDERS SHALL BE PROVIDED TO ENABLE EMPLOYEES TO SAFELY REACH OR LEAVE ANY SCAFFOLD OR WALL.
- WALLS, WHICH SERVE AS RETAINING WALLS TO SUPPORT EARTH OR ADJOINING STRUCTURES, SHALL NOT BE DEMOLISHED UNTIL SUCH EARTH HAS BEEN PROPERLY BRACED OR ADJOINING STRUCTURES HAVE BEEN PROPERLY UNDERPINNED.
- WALLS, WHICH ARE TO SERVE AS RETAINING WALLS AGAINST WHICH DEBRIS WILL BE PILED, SHALL NOT BE SO USED UNLESS CAPABLE OF SAFELY SUPPORTING THE IMPOSED LOAD.

1926.855 MANUAL REMOVAL OF FLOORS.

- OPENINGS CUT IN A FLOOR SHALL EXTEND THE FULL SPAN OF THE ARCH BETWEEN SUPPORTS.
- BEFORE DEMOLISHING ANY FLOOR ARCH, DEBRIS AND OTHER MATERIAL SHALL BE REMOVED FROM SUCH ARCH AND OTHER ADJACENT FLOOR AREA. PLANKS NOT LESS THAN 2 INCHES BY 10 INCHES IN CROSS SECTION, FULL SIZE UNRESSED, SHALL BE PROVIDED FOR, AND SHALL BE USED BY EMPLOYEES TO STAND ON WHILE BREAKING DOWN FLOOR ARCHES BETWEEN BEAMS. SUCH PLANKS SHALL BE SO LOCATED AS TO PROVIDE A SAFE SUPPORT FOR THE WORKMEN SHOULD THE ARCH BETWEEN THE BEAMS COLLAPSE. THE OPEN SPACE BETWEEN PLANKS SHALL NOT EXCEED 16 INCHES.
- SAFE WALKWAYS, NOT LESS THAN 18 INCHES WIDE, FORMED OF PLANKS NOT LESS THAN 2 INCHES THICK IF WOOD, OR OF EQUIVALENT STRENGTH OF METAL, SHALL BE PROVIDED AND USED BY WORKMEN WHEN NECESSARY TO ENABLE THEM TO REACH ANY POINT WITHOUT WALKING UPON EXPOSED BEAMS.
- STRINGERS OF AMPLE STRENGTH SHALL BE INSTALLED TO SUPPORT THE FLOORING PLANKS, AND THE ENDS OF SUCH STRINGERS SHALL BE SUPPORTED BY FLOOR BEAMS OR GIRDERS, AND NOT BY FLOOR ARCHES ALONE.
- PLANKS SHALL BE LAID TOGETHER OVER SOLID BEARINGS WITH THE ENDS OVERLAPPING AT LEAST 1 FOOT.
- WHEN FLOOR ARCHES ARE BEING REMOVED, EMPLOYEES SHALL NOT BE ALLOWED IN THE AREA DIRECTLY UNDERNEATH, AND SUCH AN AREA SHALL BE BARRICADED TO PREVENT ACCESS TO IT.
- DEMOLITION OF FLOOR ARCHES SHALL NOT BE STARTED UNTIL THEY, AND THE SURROUNDING FLOOR AREA FOR A DISTANCE OF 20 FEET, HAVE BEEN CLEARED OF DEBRIS AND ANY OTHER UNNECESSARY MATERIALS.

1926.856 REMOVAL OF WALLS, FLOORS, AND MATERIAL WITH EQUIPMENT.

- MECHANICAL EQUIPMENT SHALL NOT BE USED ON FLOORS OR WORKING SURFACES UNLESS SUCH FLOORS OR SURFACES ARE OF SUFFICIENT STRENGTH TO SUPPORT THE IMPOSED LOAD.
- FLOOR OPENINGS SHALL HAVE CURBS OR STOP-LOGS TO PREVENT EQUIPMENT FROM RUNNING OVER THE EDGE.
- MECHANICAL EQUIPMENT USED SHALL MEET THE REQUIREMENTS SPECIFIED IN SUBPARTS N AND O IN THIS PART.

1926.857 STORAGE.

- THE STORAGE OF WASTE MATERIAL AND DEBRIS ON ANY FLOOR SHALL NOT EXCEED THE ALLOWABLE FLOOR LOADS.
- IN BUILDINGS HAVING WOODEN FLOOR CONSTRUCTION, THE FLOORING BOARDS MAY BE REMOVED FROM NOT MORE THAN ONE FLOOR ABOVE GRADE TO PROVIDE STORAGE SPACE FOR DEBRIS, PROVIDED FALLING MATERIAL IS NOT PERMITTED TO ENDANGER THE STABILITY OF THE STRUCTURE.

- WHEN WOOD FLOOR BEAMS SERVE TO BRACE INTERIOR WALLS OR FREE-STANDING EXTERIOR WALLS, SUCH BEAMS SHALL BE LEFT IN PLACE UNTIL OTHER EQUIVALENT SUPPORT CAN BE INSTALLED TO REPLACE THEM.
- FLOOR ARCHES, TO AN ELEVATION OF NOT MORE THAN 25 FEET ABOVE GRADE, MAY BE REMOVED TO PROVIDE STORAGE AREA FOR DEBRIS; PROVIDED, THAT SUCH REMOVAL DOES NOT ENDANGER THE STABILITY OF THE STRUCTURE.
- STORAGE SPACE INTO WHICH MATERIAL IS DUMPED SHALL BE BLOCKED OFF, EXCEPT FOR OPENINGS NECESSARY FOR THE REMOVAL OF MATERIAL. SUCH OPENINGS SHALL BE KEPT CLOSED AT ALL TIMES WHEN MATERIAL IS NOT BEING REMOVED.

1926.859 (G)

- DURING DEMOLITION, CONTINUING INSPECTIONS BY A COMPETENT PERSON SHALL BE MADE AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM WEAKENED OR DETERIORATED FLOORS, OR WALLS, OR LOOSENEED MATERIAL. NO EMPLOYEE SHALL BE PERMITTED TO WORK WHERE SUCH HAZARDS EXIST UNTIL THEY ARE CORRECTED BY SHORING, BRACING, OR OTHER EFFECTIVE MEANS.

GENERAL DEMOLITION NOTES

1.0 MECHANICAL EQUIPMENT USE NOTES

- THE MACHINES SHALL NOT BE OPERATED IN A MANNER THAT A WHEEL, OUTRIGGER, OR TRACK IS UPLIFTED, OR IN A MANNER THAT IMPARTS EXTREME DYNAMIC LOADING ON THE SLAB.
- IF MORE THAN ONE MACHINE IS USED ON A FLOOR, THE MACHINES SHALL BE SEPARATED BY AT LEAST 1 BAY OR (25 FEET), WHICH EVER IS LARGER.
- WHEN CHOPPING CONCRETE, THE MACHINES AND PERSONNEL ON THE FLOOR BELOW SHALL NOT TRAVEL OR OCCUPY THE AREA WITHIN 25 FEET OF THE MACHINE ABOVE. CONTROLLED ACCESS MUST BE MAINTAINED IN THE BUILDING WHEN CHOPPING IS IN PROGRESS.
- THE MACHINES SHALL NOT BE OPERATED ON A CANTILEVERED PORTION OF SLAB OR A DISTRESSED SLAB.

2.0 DURING DEMOLITION OF THE WALLS, FLOOR SLABS AND OTHER ELEMENTS, THESE ELEMENTS SHALL NOT BE LOOSENEED OR PERMITTED TO DROP IN SUCH MASSES AS TO WEAKEN THE FLOORS OR AFFECT THE STABILITY OF THE STRUCTURAL SUPPORTS.

3.0 DURING DEMOLITION, CONTINUING INSPECTIONS BY A COMPETENT PERSON DESIGNATED BY THE CONTRACTOR SHALL BE MADE AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM WEAKENED OR DETERIORATED FLOORS, OR WALLS OR LOOSENEED MATERIAL.

NO SITE PERSONNEL SHALL BE PERMITTED TO TRAVEL OR WORK IN AN AREA WHERE SUCH HAZARDS EXIST UNTIL THEY ARE CORRECTED BY SHORING, BRACING, OR OTHER EFFECTIVE MEANS.

CONTACT THE ENGINEER IF NEEDED TO DETERMINE THE SHORING, BRACING, OR CORRECTIVE MEASURES.

4.0 ALL LEADING EDGES ABOVE 6' IN HEIGHT SHALL BE PROTECTED WITH STANDARD GUARDRAILS OR MEN SHALL TIE-OFF WITH AN OSHA COMPLIANT PERSONAL FALL ARREST SYSTEM FASTENED TO ADEQUATE TIE-OFF POINTS WHEN TRAVELING OR WORKING WITHIN 6' OF A LEADING EDGE.

5.0 EVERY FLOOR HOLE IN WHICH PERSONS CAN ACCIDENTALLY WALK SHALL BE GUARDED BY EITHER :

- A STANDARD GUARDRAIL ON ALL EXPOSED SIDES, OR
- A FLOOR HOLE COVER OF ADEQUATE STRENGTH AND CONSTRUCTION.

6.0 PRIOR TO DROPPING ANY DEBRIS IN THE ELEVATOR SHAFTS, A COMPETENT PERSON SHALL INFORM ALL SITE PERSONNEL TO STAY A MINIMUM OF 25' FROM THE SHAFT ON ALL FLOORS WHILE DEBRIS IS BEING DROPPED.

7.0 FIRE PREVENTION DURING DEMOLITION

- COMBUSTIBLE DEBRIS SHALL NOT BE PERMITTED TO ACCUMULATE, AND SHALL BE REMOVED FROM THE SITE AT REASONABLE INTERVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK CITY FIRE CODE.
- FIREFIGHTING EQUIPMENT, FIRE FIGHTING ACCESS AT THE CONSTRUCTION OR DEMOLITION SITE, AND THE CONDUCT OF ALL CONSTRUCTION OR DEMOLITION OPERATIONS AFFECTING FIRE PREVENTION AND FIRE FIGHTING SHALL COMPLY WITH THE NEW YORK CITY FIRE CODE AND THE PROVISIONS OF SECTIONS 3303.7.1 THRU 3303.7.5.
- A WATER SUPPLY FOR FIRE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE NEW YORK CITY FIRE CODE.
- FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH THE NEW YORK CITY FIRE CODE.
- SMOKING SHALL BE PROHIBITED AT ALL CONSTRUCTION AND DEMOLITION SITES. NO SMOKING SIGNS SHALL BE POSTED AT THE SITE IN ACCORDANCE WITH THE PROVISIONS OF THE NEW YORK CITY FIRE CODE.

8.0 FIRE PREVENTION DURING TORCH OPERATIONS

- ALL HOT WORKS SHALL COMPLY WITH NYC FIRE CODE AND NFPA REQUIREMENTS.
- ALL PERSONS PERFORMING HOT WORK POSSESS VALID CERTIFICATES OF FITNESS.
- A FIRE WATCH SHALL BE MAINTAINED DURING HOT WORK OPERATIONS. THE FIRE WATCH SHALL CONTINUE FOR A MINIMUM OF 30 MINUTES AFTER THE CONCLUSION OF THE WORK.

9.0 MAINTAIN (2) UNOBSTRUCTED MEANS OF EGRESS AT ALL TIMES.

10.0 SUBSTANTIVE CHANGES GOVERNED BY FIELD CONDITIONS OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ENGINEER.

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CLIENT TISHMAN CONSTRUCTION COMPANY 111 BROADWAY, SUITE 603 NEW YORK, NY 10006	
PROJECT SITE SAFETY PLAN FOR DEMOLITION OPERATIONS AT 270 PARK AVENUE, MANHATTAN, NY	
ZONING INFORMATION BLOCK: 1283 LOT: 21 ZONE: C5-3 ZONING MAP: 8D COMMUNITY BOARD: 105 BIN #: 1035421	
PLACE STICKER HERE	EXAMINER'S STAMP HERE
TITLE DEMOLITION NOTES	
SEAL & SIGNATURE 	DRAWING BY: KC DATE: 07/09/2018 PROJECT NO: 18211.00.00 ENGINEER: JS SCALE: AS NOTED CHK BY: JS DWG NO: SSP-122.00
V:2018/18211.00.00	9 OF 36

OCCUPANT PROTECTION PLAN :

1. GENERAL
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2014 NYC BUILDING CODE, 2014 FIRE CODE, OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND ALL OTHER APPLICABLE REGULATIONS PERTAINING TO THIS WORK.
2. SCOPE OF WORK
- A. THE SCOPE OF WORK HEREIN IS LIMITED TO THE HAND/MECHANICAL DEMOLITION OF CONCRETE BOLSTERS, CONCRETE PLANTERS, AND STEEL-FRAMED CANOPIES ALONG THE E. 47TH ST, E48TH ST, AND PARK AVE FRONTAGES. THE SCOPE OF WORK ALSO INCLUDES REMOVAL OF TWENTY TREES, TWO FLAGPOLES, AND MULTIPLE BIKE RACKS.

B. THE BUILDING IS OCCUPIED, THOUGH THE WORK TAKES PLACE ON THE BUILDING PLAZA AREAS AND ADJACENT TO BUILDING ENTRANCES. THE WORK SHALL BE PERFORMED IN OFF-HOURS.

C. BUILDING OCCUPANTS AND PUBLIC SHALL BE SEPARATED FROM THE WORK AREA THROUGH THE USE OF PLASTIC JERSEY BARRIERS WITH CHAINLINK FENCE AND FLAGMAN WILL BE PROVIDED TO CONTROL FOOT TRAFFIC WHEN EQUIPMENT IS IN USE.

THE BOLSTER DEMOLITION AND CANOPY DEMOLITION REQUIRES TEMPORARY RESTRICTED EGRESS AT THE NORTH AND SOUTH BREEZEWAY ENTRANCES WHEN THE WORK TAKES PLACE IN FRONT OF THESE ENTRANCES. THE PLAN REQUIRES THAT WORK IS DONE ONLY AT ONE SIDE AT A TIME TO MINIMIZE THE IMPACT ON BUILDING EGRESS.

THE DRAWING HEREIN SHOW THE BUILDING EGRESS FOR EACH SEQUENCE OF WORK.

BUILDING SECURITY GUARDS SHALL MAN THE DOORS AND DIRECT OCCUPANTS TO ALTERNATIVE EXITS WHEN WORK IS TAKING PLACE IN FRONT OF A BREEZEWAY ENTRANCE.

D. DEBRIS REMOVAL SHALL BE DONE MANUALLY USING MINI-CONTAINERS OR WITH MECHANICAL EQUIPMENT LOADING DEBRIS CONTAINERS OR LOADING TRUCKS DIRECTLY. ALL APPLICABLE DEPARTMENT OF TRANSPORTATION PERMITS SHALL BE OBTAINED BY THE CONTRACTOR FOR WORKING ON THE SIDEWALK AND ROADWAY.
3. MEANS-OF-EGRESS
- A. TWO MEANS OF EMERGENCY EGRESS FOR THE BUILDING OCCUPANTS SHALL BE MAINTAINED AT ALL TIMES. THERE IS NO CHANGE IN EGRESS AS A RESULT OF THIS WORK.

B. AVAILABLE MEANS OF EGRESS SHALL BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS AT ALL TIMES.
4. FIRE SAFETY
- A. PRECAUTIONS SHALL BE TAKEN TO PROVIDE FOR FIRE AND LIFE SAFETY AT ALL TIMES.

B. FIRE GUARDS ARE TO BE PRESENT DURING NORMAL WORKING HOURS.

C. AREAS OUTSIDE OF WORK AREA SHALL BE KEPT UNOBSTRUCTED AT ALL TIMES.

D. SMOKING IS STRICTLY PROHIBITED WITHIN THE WORK AS SPECIFIED BY THE 2014 NYC BUILDING CODE AND 2014 NYC FIRE CODE.

E. ALL HOT WORK SHALL COMPLY WITH 2014 NYC FIRE CODE AND CURRENT NFPA REQUIREMENTS.

F. ALL PERSONS PERFORMING HOT WORK POSSESS VALID CERTIFICATES OF FITNESS.

G. A FIRE WATCH SHALL BE MAINTAINED DURING HOT WORK OPERATIONS. THE FIRE WATCH SHALL CONTINUE FOR A MINIMUM OF 30 MINUTES AFTER THE CONCLUSION OF THE WORK.

H. ALL BUILDING MATERIAL STORED AT THE CONSTRUCTION AREA AND/OR IN ANY AREA OF THE BUILDING ARE TO BE STORED IN A LOCKED AREA. ACCESS TO SUCH AREA IS CONTROLLED BY THE OWNER AND/OR CONSTRUCTION MANAGER.

I. ALL MATERIALS ARE TO BE STORED IN AN ORDERLY FASHION.

J. ALL FLAMMABLE MATERIALS ARE TO BE KEPT TIGHTLY SEALED IN THEIR RESPECTIVE MANUFACTURER'S CONTAINERS. SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT.

K. ALL POWER TO BE SHUT OFF WHERE THERE IS AN EXPOSED CONDUIT.

L. THE CONTRACTOR AT ALL TIMES IS TO MAKE SURE THAT THERE IS NO LEAKAGE OF NATURAL GAS IN THE BUILDING OR ANY FLAMMABLE GAS IS USED IN DEMOLITION.

M. THE CONTRACTOR SHALL PROVIDE AT LEAST ONE CLASS ABC PORTABLE HAND FIRE ESTINGUISHER FOR EACH 1000 SQUARE FEET OF CONSTRUCTION AREA OR FRACTION THEREOF, BUT NOT LESS THAN ONE.
5. HEALTH REQUIREMENTS
- A. DEBRIS, DUST, AND DIRT TO BE KEPT TO A MINIMUM AND BE CONFINED TO THE IMMEDIATE WORK AREA. PRECAUTIONS SHALL BE TAKEN TO LIMIT THE AMOUNT OF DUST MIGRATION TO ADJACENT AREAS.

B. THE SCOPE OF THE PROJECT DOES NOT INVOLVE THE ABATEMENT OF ASBESTOS-CONTAINING MATERIALS. ALL DEMOLITION ACTIVITIES ARE TO BE GOVERNED BY BEST PRACTICES AS APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) RULES AND REGULATIONS.

C. ANY AND ALL DEMOLITION DEBRIS SHALL BE TEMPORARILY STORED WITHIN THE WORK AREA AND SUBSEQUENTLY REMOVED AND DISPOSED OF IN A PROPER MANNER FROM THE BUILDING. REMOVAL AND DISPOSAL OF DEMOLITION DEBRIS SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE 2014 NYC BUILDING CODE AND DEP RULES AND REGULATIONS.

D. DEMOLITION WORK WILL BE CONFINED TO THE EXTERIOR AREAS OF WORK AND WILL NOT CREATE DUST, DIRT, AND OTHER INCONVENIENCES TO OTHER PORTIONS OF THE BUILDING.

E. 1" THICK STEEL PLATES WITH STYROFOAM BACKER ROD SEAL SHALL BE INSTALL OVER THE METRO-NORTH GRATING TO PREVENT DEBRIS AND DUST FROM ENTERING THE TRAIN SHED. THE PLATES SHALL ONLY BE ADDED TO ONE AREA AT A TIME AND REMOVED AFTER THE WORK IN THE AREA IS COMPLETED.
6. STRUCTURAL SAFETY
- A. THE PROPOSED WORK WILL NOT AFFECT THE BUILDING'S STRUCTURAL INTEGRITY. THE PROPOSED WORK SCOPE OF WORK DOES NOT INVOLVE THE ALTERATION OF ANY EXISTING STRUCTURAL ELEMENTS.

B. NON-HANDHELD MECHANICAL EQUIPMENT IS PERMITTED TO TRAVEL AND OPERATE IN THE WORK AREAS AS SHOWN TO PERFORM THE STRUCTURAL DEMOLITION OF THE PLANTERS AND CANOPY.
7. NOISE HOURS
- A. PRECAUTIONS ARE TO BE TAKEN TO REDUCE THE AMOUNT OF NOISE GENERATED DURING THE DEMOLITION PROCESS IN COMPLIANCE WITH THE DEP RULES AND REGULATIONS FOR NOISE MITIGATION.

B. IF IT IS ACCEPTABLE TO WORK ON WEEKENDS AND AFTER-HOURS, THE CONTRACTOR SHALL OBTAIN AN AFTER-HOURS WORK PERMIT FROM ALL APPLICABLE NYC AGENCIES PRIOR TO WORKING AFTER HOURS.

C. WORKING HOURS FOR DEMOLITION OPERATIONS VARY FOR EACH SEQUENCE. SEE TABLE BELOW.

SEQUENCE	NORMAL WORKING HOURS 7AM TO 6PM	AFTER HOURS WEEKDAYS	WEEKENDS
SEQUENCE 1		X	X
SEQUENCE 2		X	X
SEQUENCE 3	X	X	X
SEQUENCE 3 LOAD OUT		X	X
SEQUENCE 4			X

LEGEND

	SECTION MARK		STREET LAMP
	PORTION OF BUILDING TO BE DEMOLISHED IN THIS PHASE		STREET SIGN
	METRO-NORTH GRATING OVER VENTILATION STRUCTURE		PLASTIC JERSEY BARRIER WITH CHAINLINK FENCE AND NETTING
	FIRE DEPARTMENT CONNECTION FOR STANDPIPE TO REMAIN.		TRAFFIC BARREL
	BUILDING OCCUPANT PATHWAY		CONCRETE JERSEY BARRIER
	EGRESS PATH		CONCRETE BLOCKING
	DIRECTION OF TRAFFIC		FLAGMAN / SECURITY GUARD
	TREE		1" STEEL PLATE OVER VENTILATION GRATING
	FLAG POLE TO BE REMOVED		CAUTION / SAFETY NOTE
	BIKE RACK TO BE REMOVED		NUMERICAL STEP IN PROCEDURE
	EXISTING BOLSTERS		SKID-STEER
	FIRE HYDRANT		MINI-EXCAVATOR
	CONES		

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CLIENT

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PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 12B3
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

OCCUPANT PROTECTION PLAN
AND LEGEND

SEAL & SIGNATURE

John Young, RA

Buildings

APPROVED

07/11/2018

BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

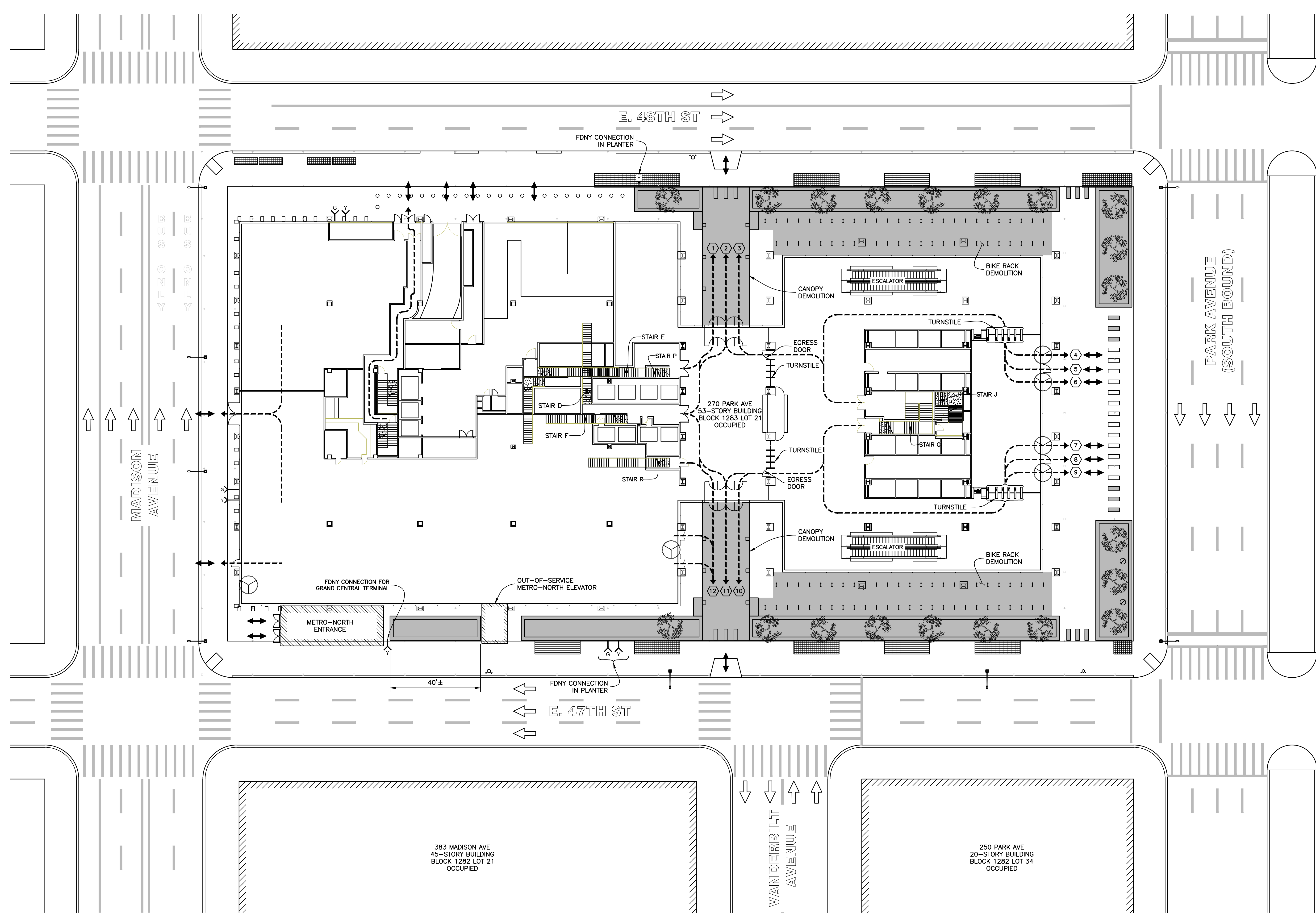
CHK BY: JS

DWG NO:

SSP-123.00

V:2018\18211.00.00

10 OF 36



NOTES :

1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.

2. SEE SSP-123 FOR LEGEND.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
①	36"	1.5	150
②	72"	3.0	300
③	36"	1.5	150
④*	78"	1.0	100
⑤	36"	1.5	150
⑥*	78"	1.0	100
⑦*	78"	1.0	100
⑧	36"	1.5	150
⑨*	78"	1.0	100
⑩	36"	1.5	150
⑪	72"	3.0	300
⑫	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
⑪*	REVOLVING DOOR		

HOWARD I. SHAPIRO

& ASSOCIATES

CONSULTING ENGINEERS, P.C.

266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563
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CLIENT

TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

PHASE 1 - OVERALL SITE PLAN & EXISTING EGRESS
DEMOLITION OF PLANTERS, BOLSTERS, BIKE RACKS,
AND CANOPIES

SEAL & SIGNATURE

John Young, RA

John Young

Buildings

APPROVED

07/11/2018

BEST SSP

DRAWING BY: KC

DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

CHK BY: JS

DWG NO:

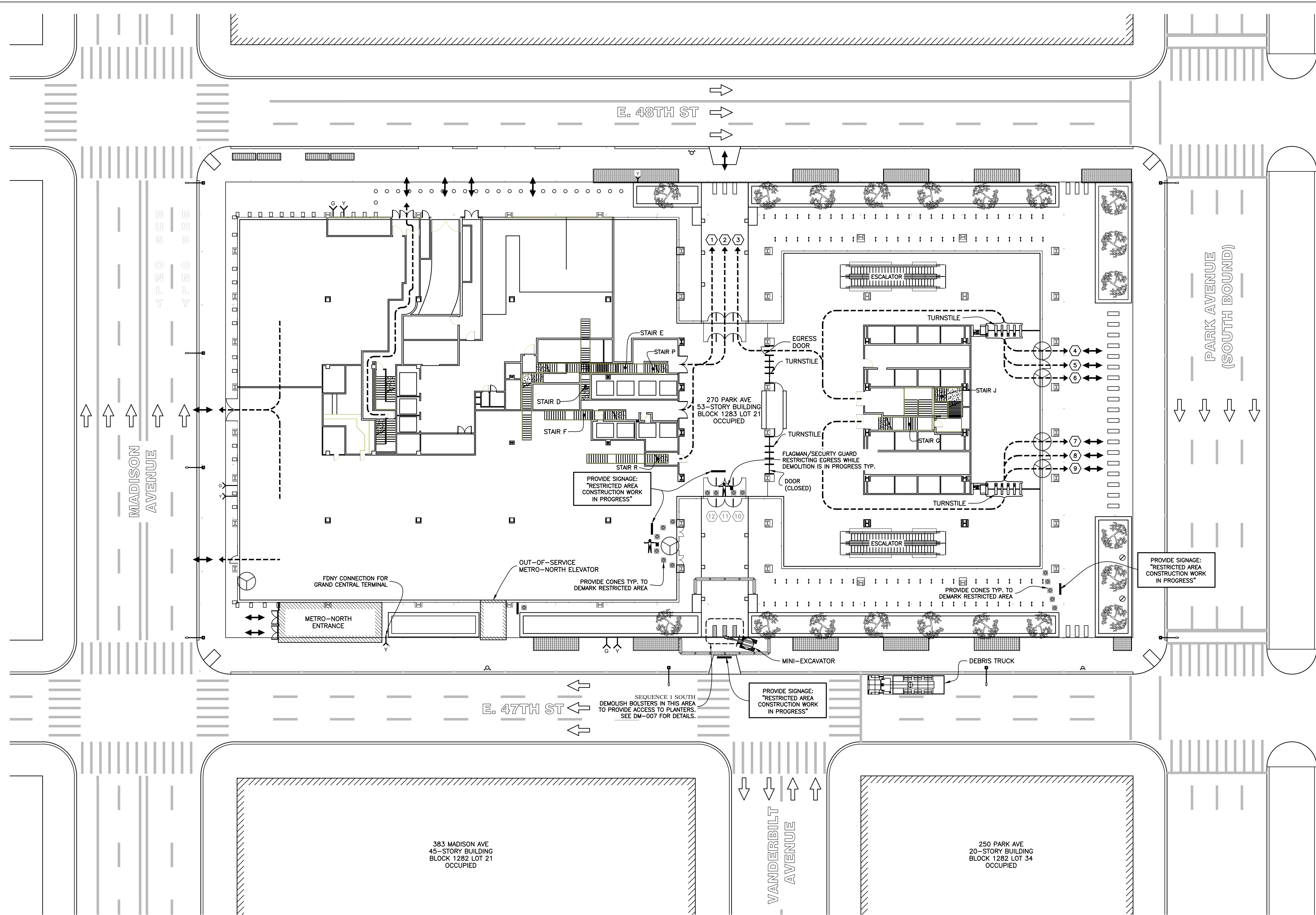
SSP-I24.00

V:2018\18211.00.00

11 OF 36

PHASE 1: OVERALL SITE PLAN & EXISTING EGRESS

Scale: 1" = 20'-0"



- NOTES :
1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 2. SEE SSP-123 FOR WORKING HOURS.
 3. SEE SSP-123 FOR LEGEND.
 4. DEMOLISH BOLSTERS AT PROPERTY LINE AT NORTH AND SOUTH BREEZEWAYS PRIOR TO DEMOLISHING AREAS 1 TO 4. SEE SSP-127 FOR DETAILS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	-
11	72"	3.0	-
12	36"	1.5	-
TOTAL CAPACITY			1300
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#*	REVOLVING DOOR		
#	CONTROLLED ACCESS/ CLOSED DURING DEMOLITION		

HOWARD I. SHAPIRO & ASSOCIATES
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TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006
PROJECT
SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE
PHASE 1 - SEQUENCE 1 SOUTH
DEMOLITION OF BOLSTERS IN SOUTH BREEZEWAY
SITE PLAN & EGRESS

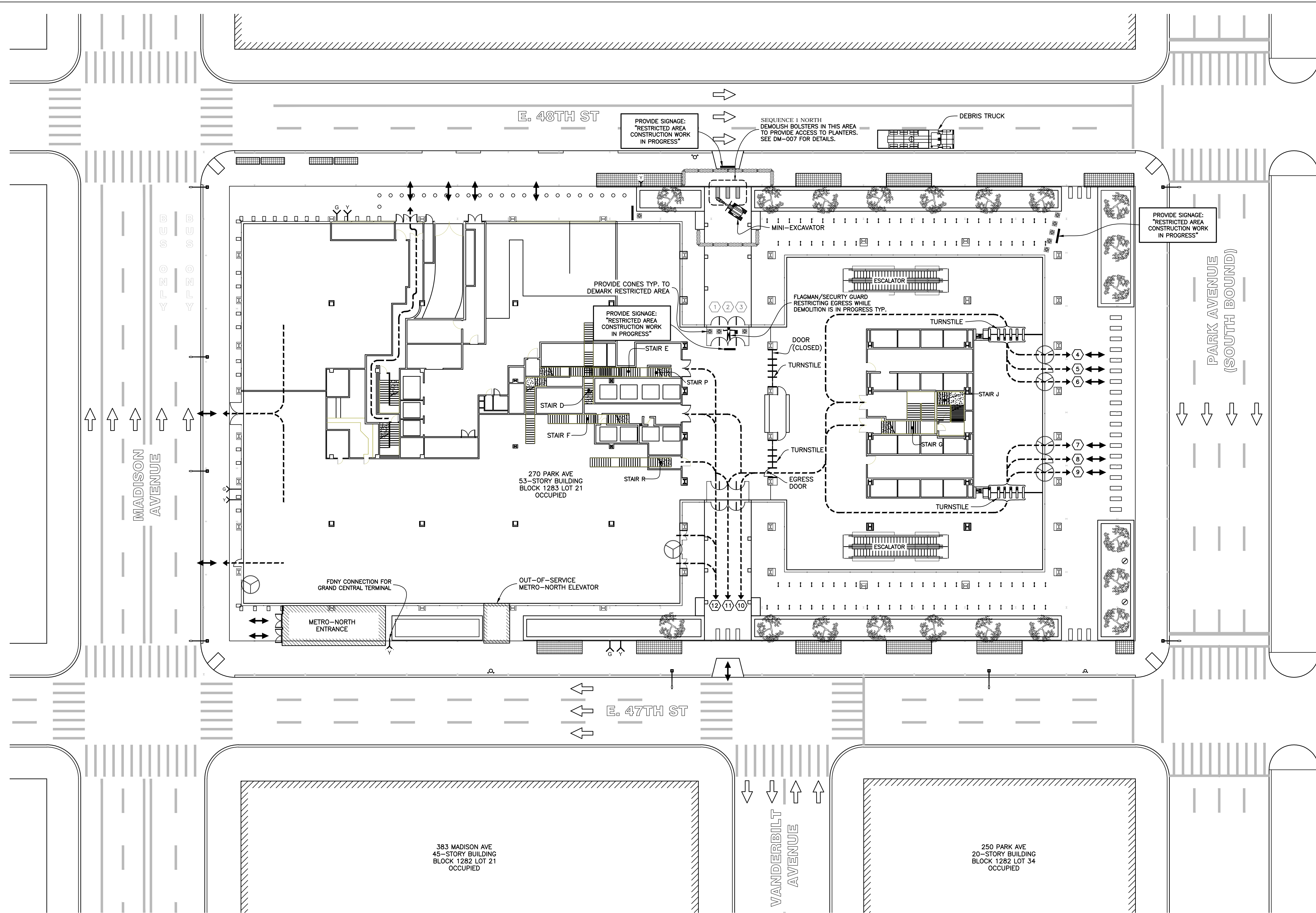
SEAL & SIGNATURE

John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:
SSP-125.00

V:2018\18211.00.00 12 OF 36

SEQUENCE 1 SOUTH - SITE PLAN & EGRESS
Scale : 1" = 20'-0"



- NOTES :
1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 2. SEE SSP-123 FOR WORKING HOURS.
 3. SEE SSP-123 FOR LEGEND.
 4. DEMOLISH BOLSTERS AT PROPERTY LINE AT NORTH AND SOUTH BREEZEWAYS PRIOR TO DEMOLISHING AREAS 1 TO 4. SEE SSP-127 FOR DETAILS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	-
2	72"	3.0	-
3	36"	1.5	-
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1300
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#* REVOLVING DOOR			
# CONTROLLED ACCESS/ CLOSED DURING DEMOLITION			

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TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT
SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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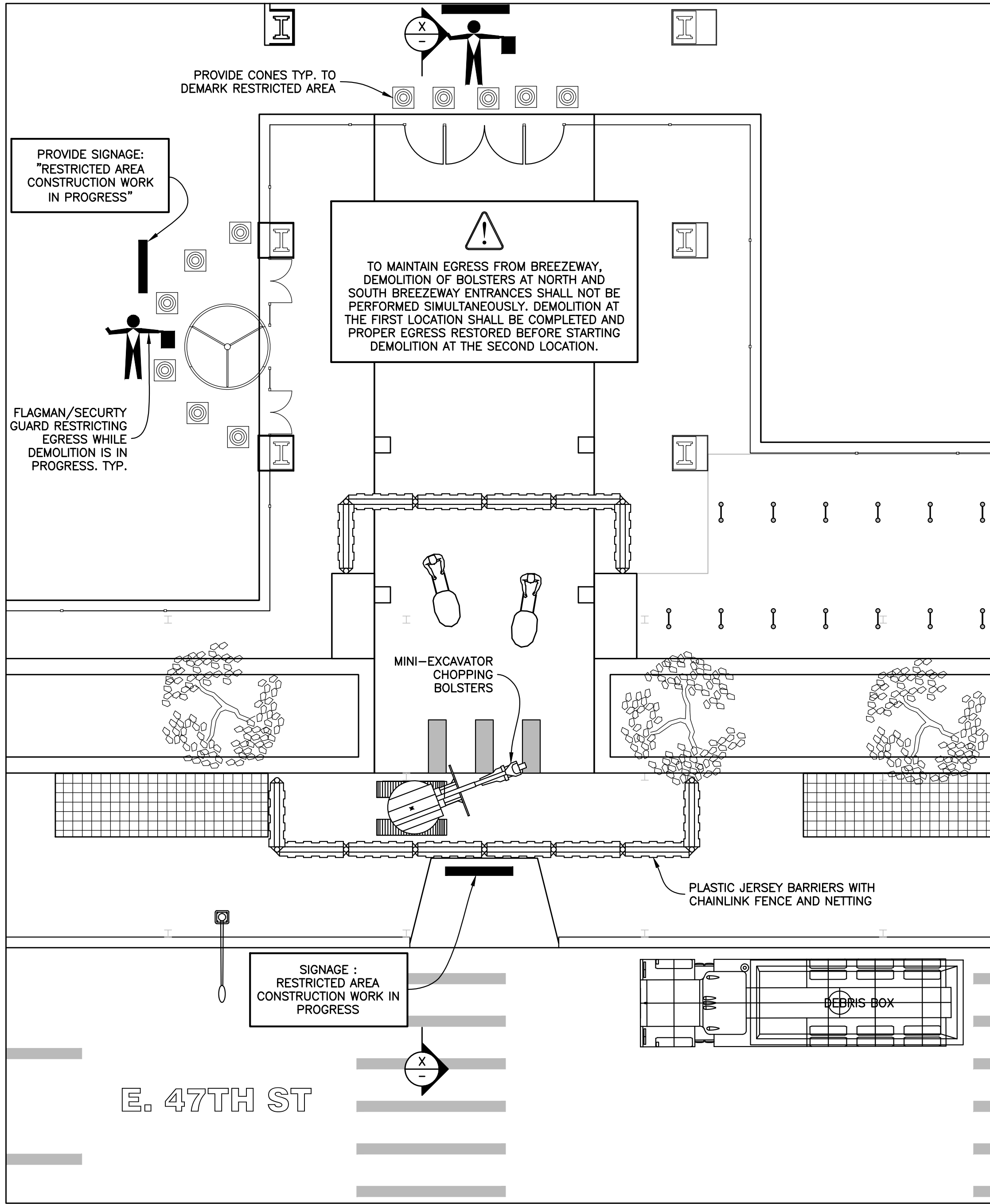
TITLE
PHASE 1 - SEQUENCE 1 NORTH
DEMOLITION OF BOLSTERS IN NORTH BREEZEWAY
SITE PLAN & EGRESS

SEAL & SIGNATURE

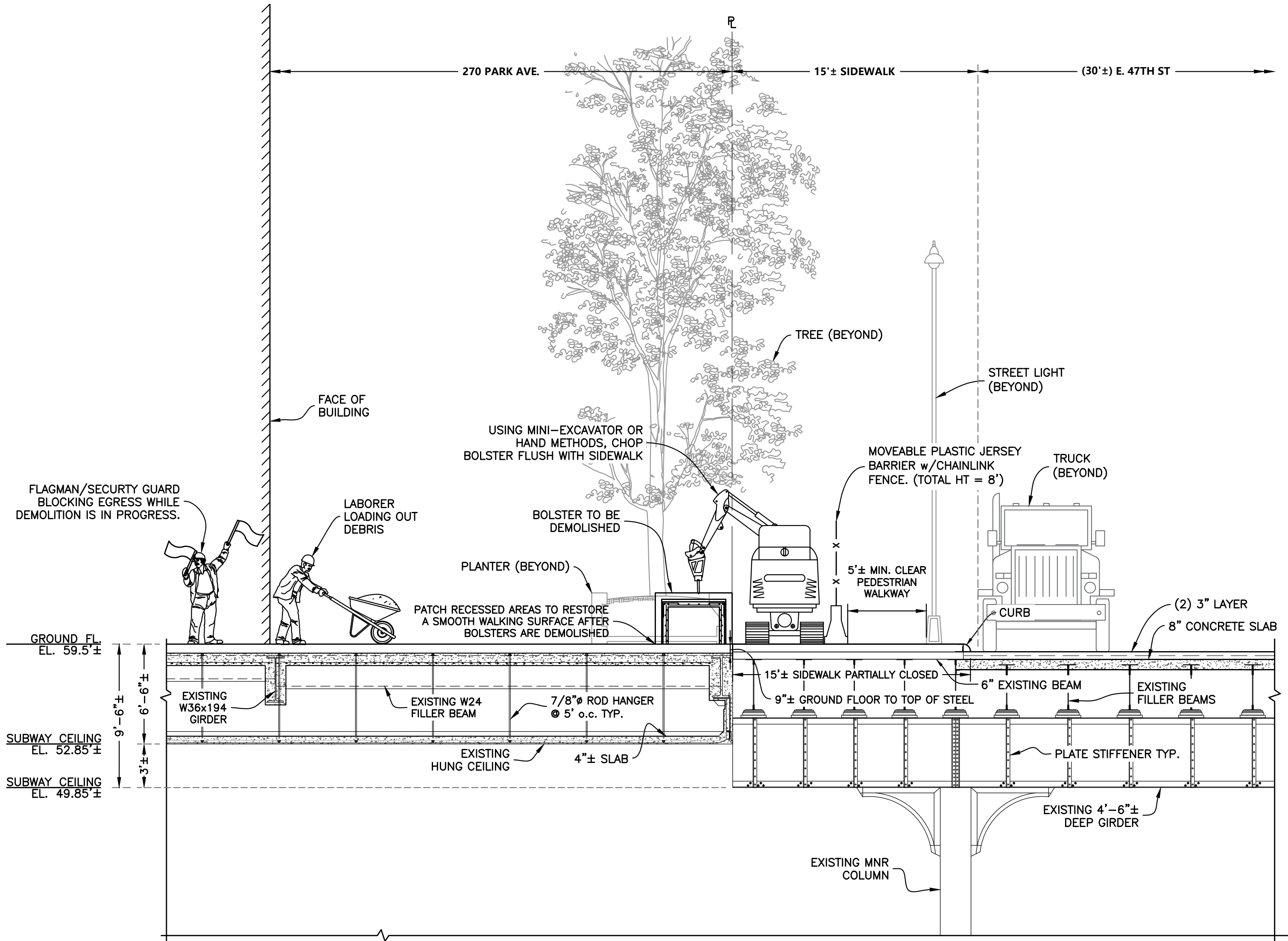
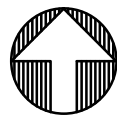
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ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO: SSP-I26.00

V:2018\18211.00.00 13 OF 36

SEQUENCE 1 NORTH - SITE PLAN & EGRESS
Scale : 1" = 20'-0"



PARTIAL PLAN VIEW - BOLSTER DEMOLITION
Scale : 1/8" = 1'-0"



SECTION X-X
Scale : 3/16" = 1'-0"

DEMOLITION OF BOLSTERS AT BREEZEWAY EGRESSES

1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
2. SEE SSP-123 FOR LEGEND.
3. THE PROCEDURE SHOWN IS FOR THE BOLSTER DEMOLITION AT THE SOUTH BREEZEWAY. THE SAME PROCEDURE SHALL BE USED AT THE NORTH BREEZEWAY. THE DEMOLITION AT THE NORTH AND SOUTH BREEZEWAYS SHALL NOT BE PERFORMED SIMULTANEOUSLY. IT IS AT THE CONTRACTOR'S DISCRETION TO CHOOSE WHICH TO DEMOLISH FIRST, UNLESS OTHERWISE DIRECTED BY THE OWNER OR CONSTRUCTION MANAGER.
4. OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

SEQUENCE OF REMOVAL

5. INSTALL PLASTIC JERSEY BARRIER WITH CHAINLINK AND DEBRIS NETTING AROUND PERIMETER OF WORK AREA.
6. PROVIDE SECURITY GUARDS AT BREEZEWAY ENTRANCE TO RESTRICT BUILDING OCCUPANT EGRESS INTO WORK AREA.
7. DEMOLISH CONCRETE BOLSTERS USING MINI-EXCAVATOR WITH HYDRAULIC HAMMER OR MANUALLY WITH JACK HAMMERS. CHOP BOLSTER FLUSH WITH SIDEWALK.
CUT REBAR FLUSH WITH SIDEWALK USING TORCH OR DEMO SAW.
CLEAN UP CONCRETE DEBRIS MANUALLY USING HAND TOOLS.
LOAD INTO DEBRIS BOX OR TRUCK.
8. PATCH ANY RECESSES AND IRREGULARITIES RESULTING FROM THE BOLSTER DEMOLITION TO RESTORE WALKWAY TO A SMOOTH WALKING SURFACE.
9. AFTER PATCHES HAVE CURED, REMOVE PLASTIC JERSEY BARRIERS AND RESTORE EGRESS TO BREEZEWAY.
10. ONCE STEPS 5 TO 9 ARE COMPLETED, WORK CAN COMMENCE AT THE SECOND LOCATION.

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111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT
SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

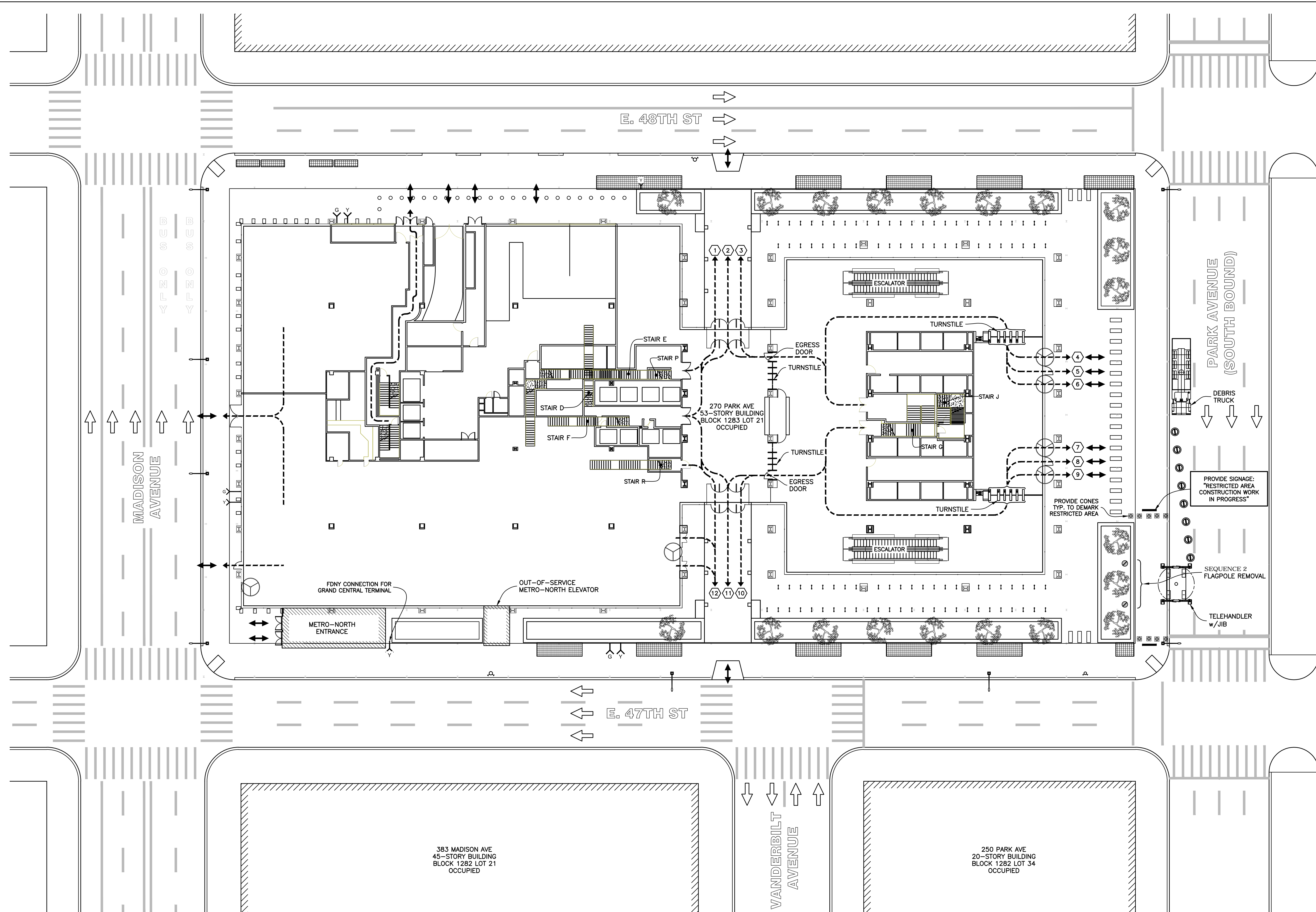
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TITLE
PHASE 1 - SEQUENCE 1
DEMOLITION OF BOLSTERS
AT BREEZEWAY EGRESSES

SEAL & SIGNATURE
John Young, RA
BUILDINGS
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO: SSP-I27.00

V: 2018\18211.00.00 14 OF 36



SEQUENCE 2 - SITE PLAN & EGRESS
Scale : 1" = 20'-0"



- NOTES :
1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 2. SEE SSP-123 FOR WORKING HOURS.
 3. SEE SSP-123 FOR LEGEND.
 4. REMOVE FLAG POLES PRIOR TO DEMOLISHING AREAS 1 TO 4. SEE SSP-129 FOR DETAILS.
 5. OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.
 6. OBTAIN FDNY PERMIT FOR HOT WORKS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
12*	REVOLVING DOOR		

HOWARD I. SHAPIRO
& ASSOCIATES
CONSULTING ENGINEERS, P.C.

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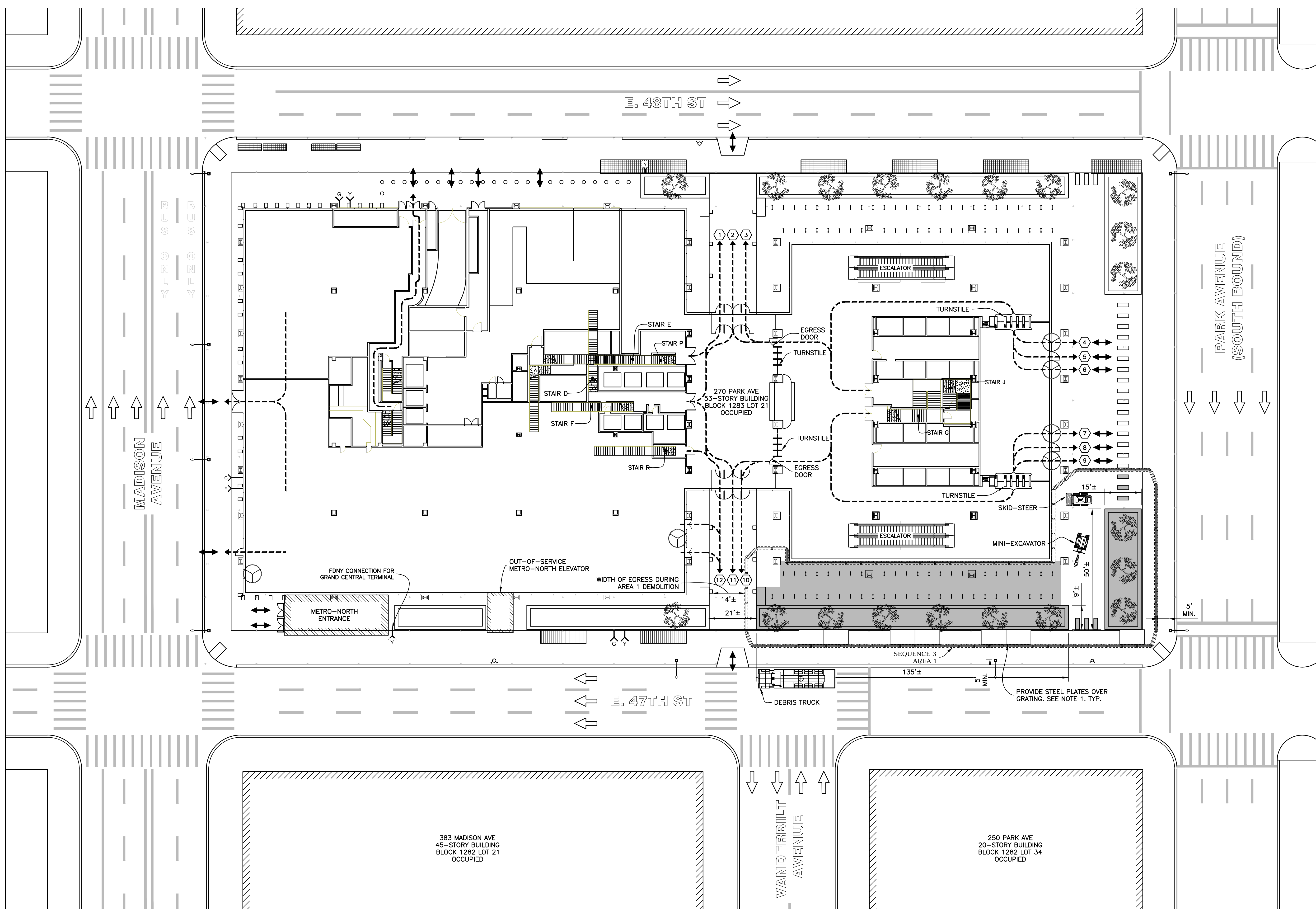
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DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE
PHASE 1 - SEQUENCE 2
FLAGPOLE REMOVAL
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:
SSP-I28.00
V:2018\18211.00.00 15 OF 36



- NOTES :
- SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 - SEE SSP-123 FOR WORKING HOURS.
 - SEE SSP-123 FOR LEGEND.
 - COVER METRO-NORTH GRATING WITH 1" STEEL PLATES PRIOR TO DEMOLISHING PLANTERS.
- PLATES NEED ONLY BE PROVIDED AT GRATINGS IN EACH INDIVIDUAL AREA PRIOR TO PERFORMING THE DEMOLITION WITHIN THAT AREA. I.E. WHEN PERFORMING DEMOLITION IN AREA 1, PLATES OVER GRATING ARE NOT REQUIRED IN AREAS 2, 3, & 4.
- SEE "GRATING PROTECTION DETAIL" ON SSP-133.
- ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MODIFIED AND MAINTAINED DURING DEMOLITION.
 - AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN IN PLAN.
 - THE SEQUENCE OF DEMOLITION FOR AREAS 1 TO 4 DOES NOT NEED TO BE PERFORMED IN SEQUENTIAL ORDER AND CAN BE PERFORMED IN A SEQUENCE AT THE DISCRETION OF THE CONTRACTOR.
 - OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#	REVOLVING DOOR		

HOWARD I. SHAPIRO
A S S O C I A T E S
CONSULTING ENGINEERS, P.C.

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NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE

PHASE 1 - SEQUENCE 3
DEMOLITION OPERATIONS AT
SITE PLAN & EGRESS

SEAL & SIGNATURE

John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

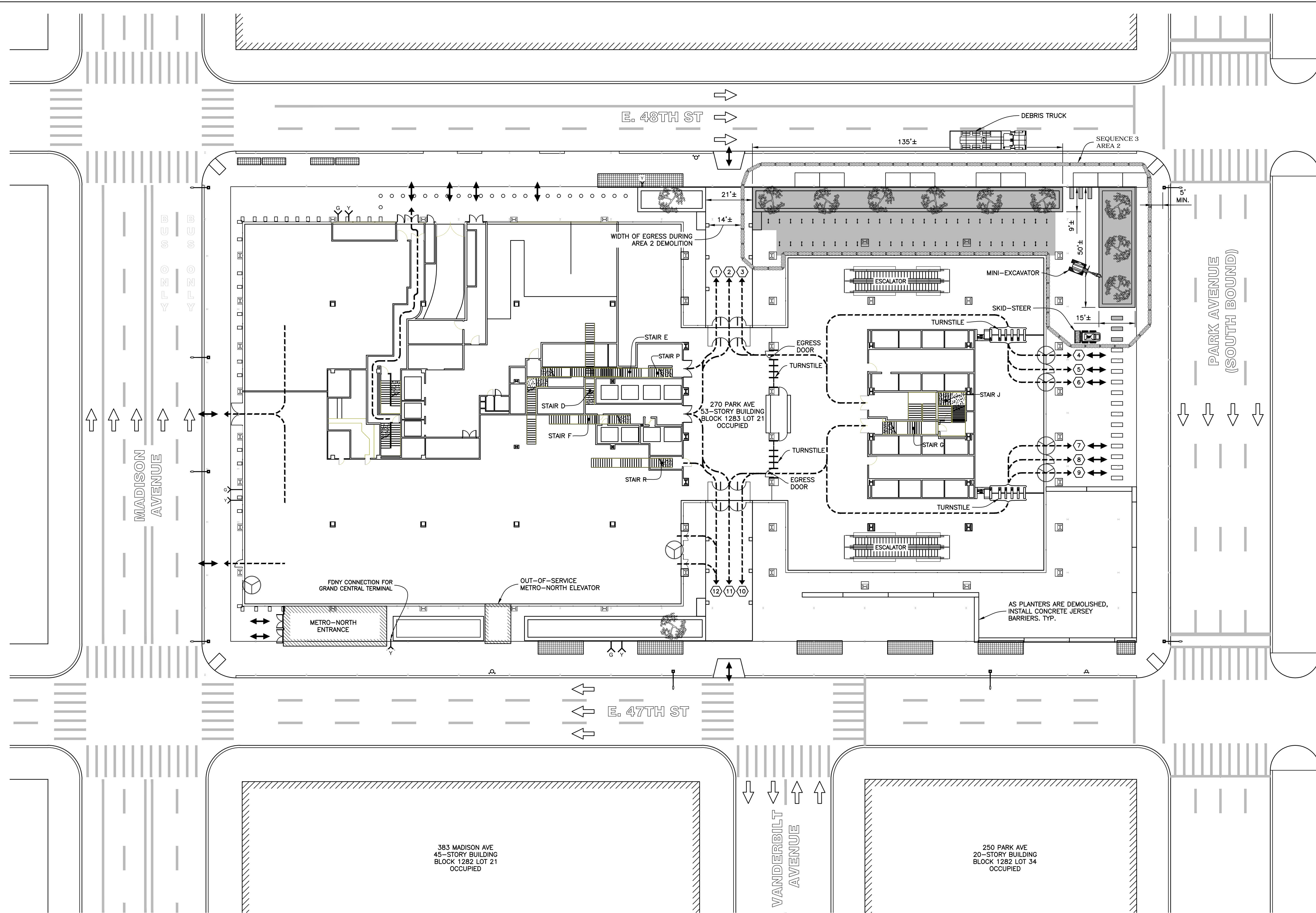
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PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:

SSP-130.00

V:2018\18211.00.00 17 OF 36

SEQUENCE 3 - AREA 1 - SITE PLAN & EGRESS
Scale: 1" = 20'-0"





- NOTES :
- SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 - SEE SSP-123 FOR WORKING HOURS.
 - SEE SSP-123 FOR LEGEND.
 - COVER METRO-NORTH GRATING WITH 1" STEEL PLATES PRIOR TO DEMOLISHING PLANTERS.
- PLATES NEED ONLY BE PROVIDED AT GRATINGS IN EACH INDIVIDUAL AREA PRIOR TO PERFORMING THE DEMOLITION WITHIN THAT AREA. I.E. WHEN PERFORMING DEMOLITION IN AREA 1, PLATES OVER GRATING ARE NOT REQUIRED IN AREAS 2, 3, & 4.
- SEE "GRATING PROTECTION DETAIL" ON SSP-133.
- ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MODIFIED AND MAINTAINED DURING DEMOLITION.
 - AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN IN PLAN.
 - THE SEQUENCE OF DEMOLITION FOR AREAS 1 TO 4 DOES NOT NEED TO BE PERFORMED IN SEQUENTIAL ORDER AND CAN BE PERFORMED IN A SEQUENCE AT THE DISCRETION OF THE CONTRACTOR.
 - OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#*	REVOLVING DOOR		

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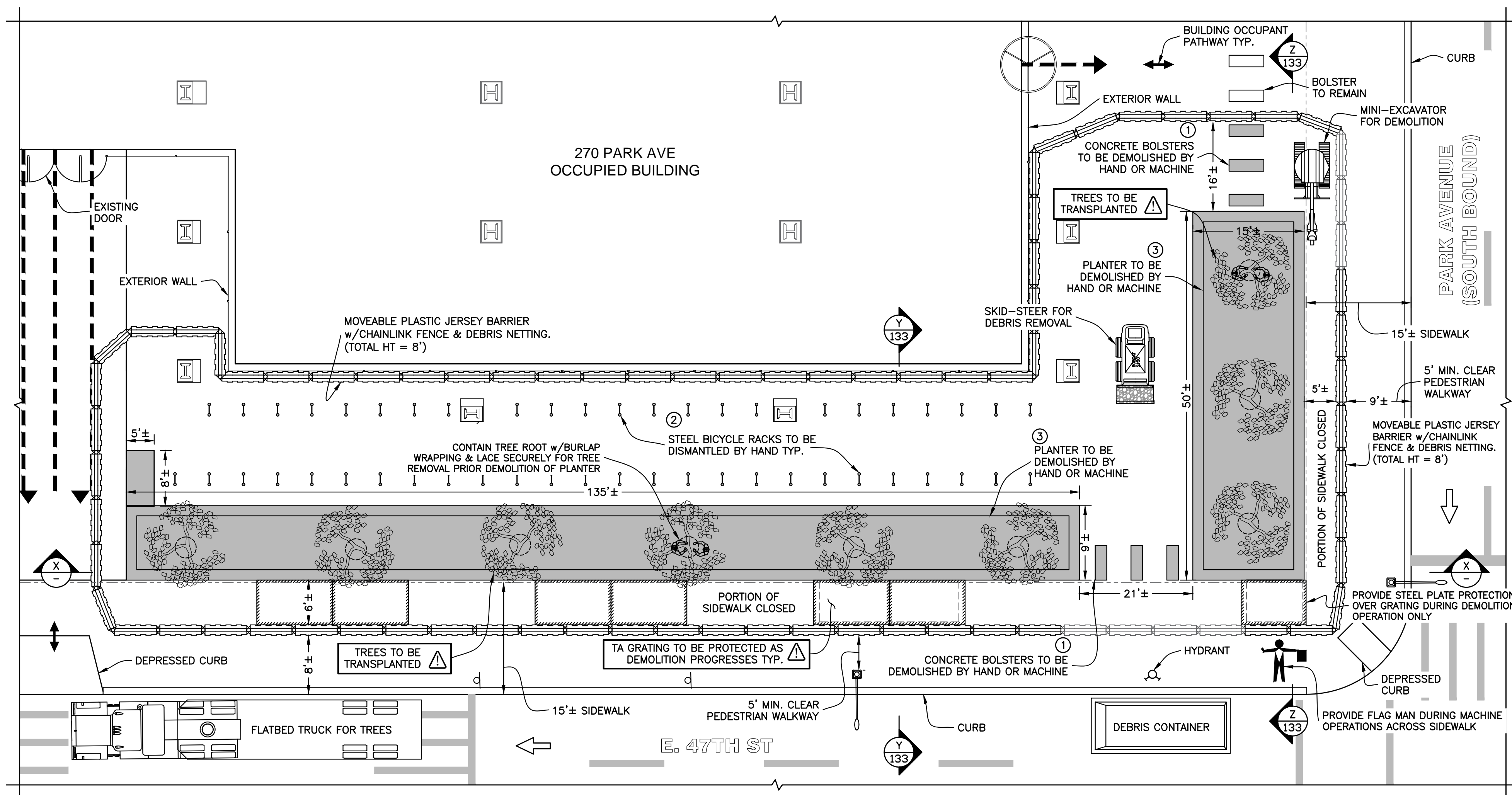
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111 BROADWAY, SUITE 603
NEW YORK, NY 10006
PROJECT
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DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE
PHASE 1 - SEQUENCE 3
DEMOLITION OF AREA 2
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:
SSP-131.00
V.2018\18211.00.00 18 OF 36

SEQUENCE 3 - AREA 2 - SITE PLAN & EGRESS
Scale: 1" = 20'-0"



AREA 1 PARTIAL DEMOLITION PLAN (AREA 1 SHOWN, AREA 2 SIMILAR BUT OPPOSITE HAND)
Scale : 3/32" = 1'-0"



ELEMENTS TO BE REMOVED:

- ① CONCRETE BOLSTERS
- ② STEEL BICYCLE RACKS
- ③ CONCRETE PLANTERS, SOIL AND TREES

NOTES :

1. PROVIDE 1" THICK STEEL PLATE PROTECTION OVER METRO-NORTH GRATING PRIOR DEMOLISHING PLANTERS.
2. DEMOLITION TO BE PERFORMED DURING OFF-HOURS.
3. ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MAINTAINED DURING AND AFTER DEMOLITION.
4. FOR DETAILED SEQUENCE OF REMOVAL, SEE SSP-134.
5. SEE SSP-123 FOR LEGEND.

HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.

266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563
TEL: (516) 791-2600 FAX: (516) 791-5425

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CLIENT

TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

PHASE 1 - SEQUENCE 3
DEMOLITION OF AREAS 1 & 2
PLAN & SECTION X-X

SEAL & SIGNATURE

John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

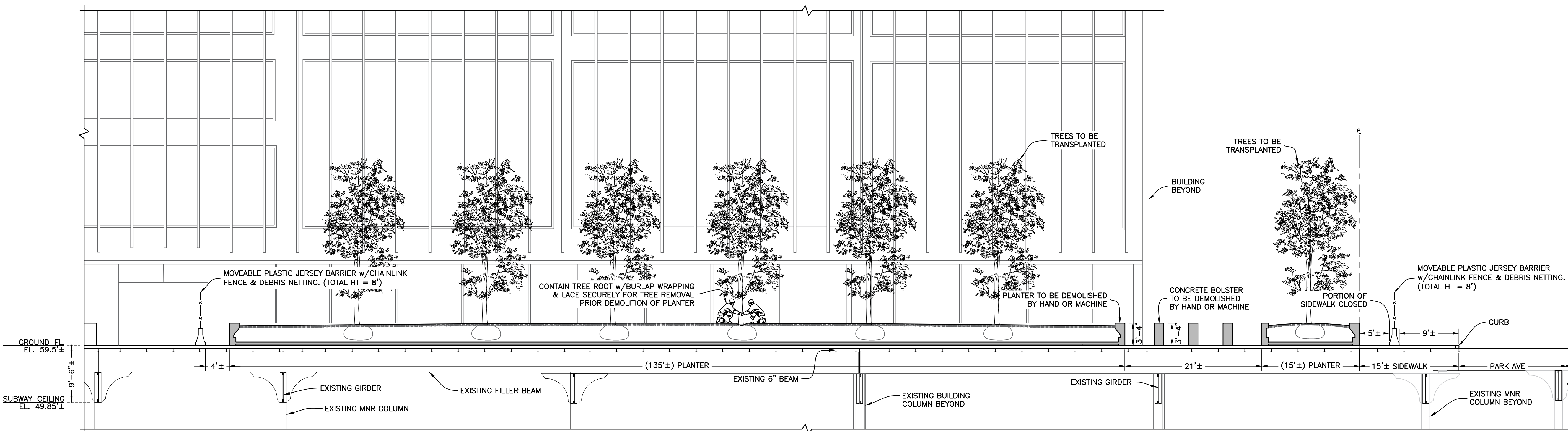
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DWG NO:

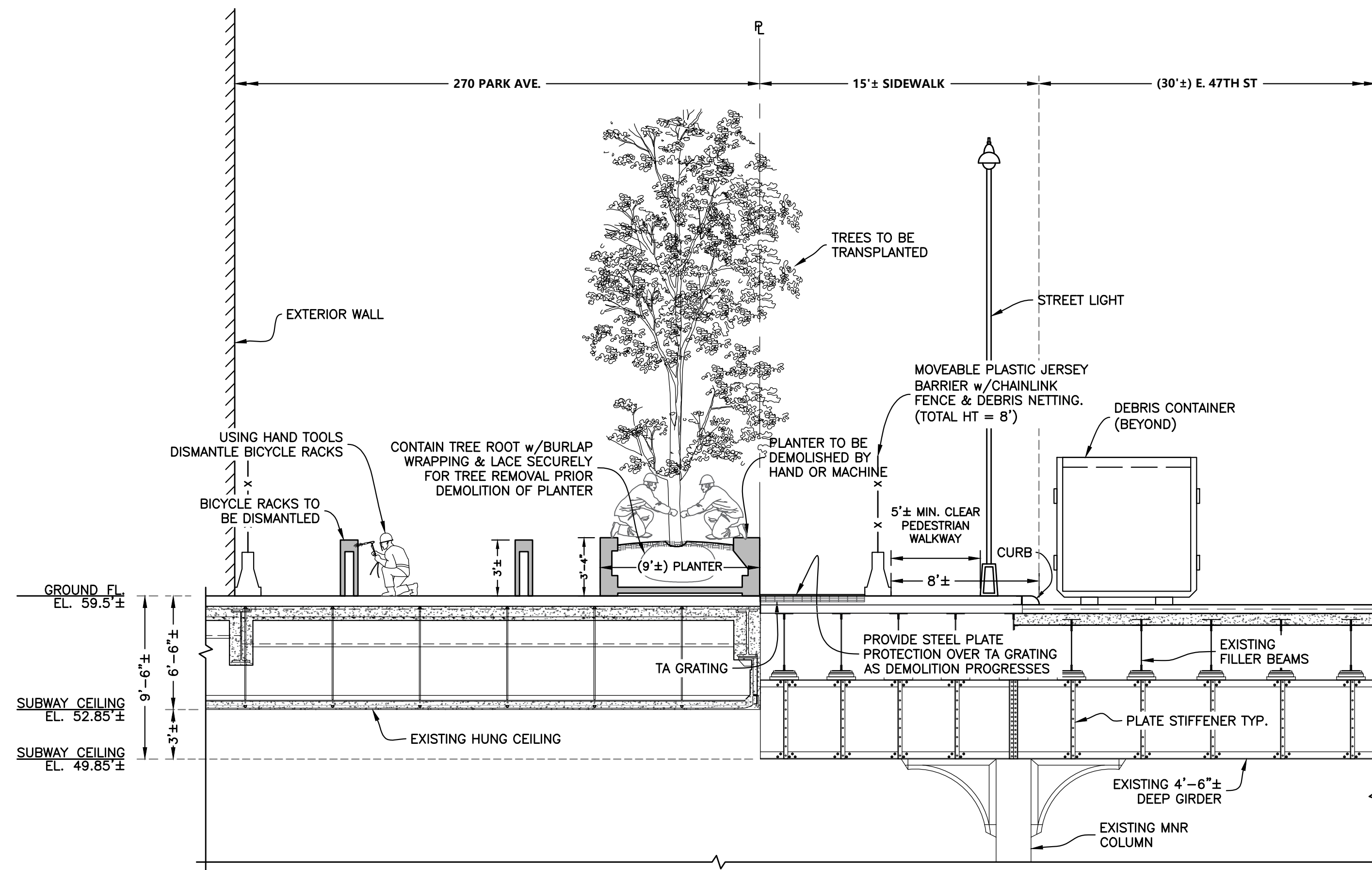
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V.2018\18211.00.00

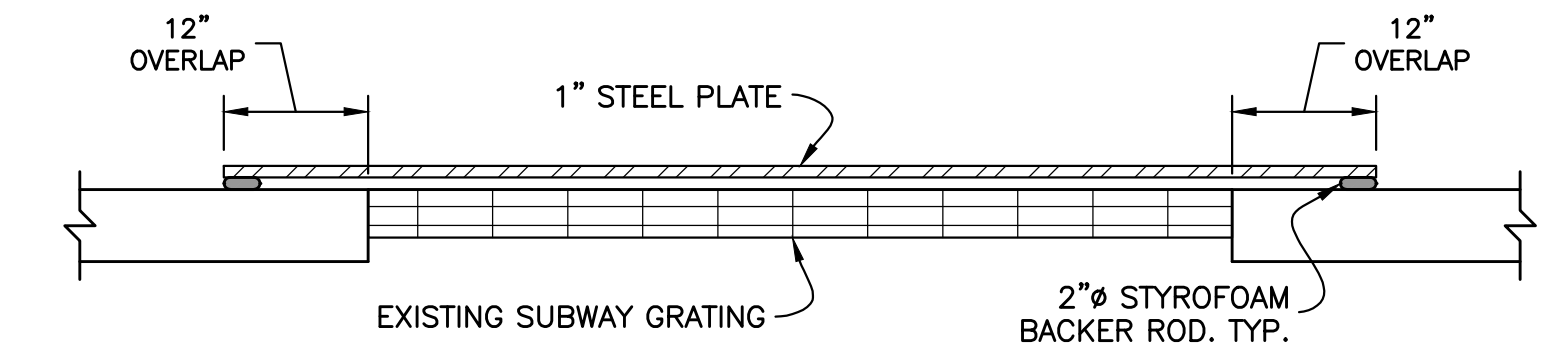
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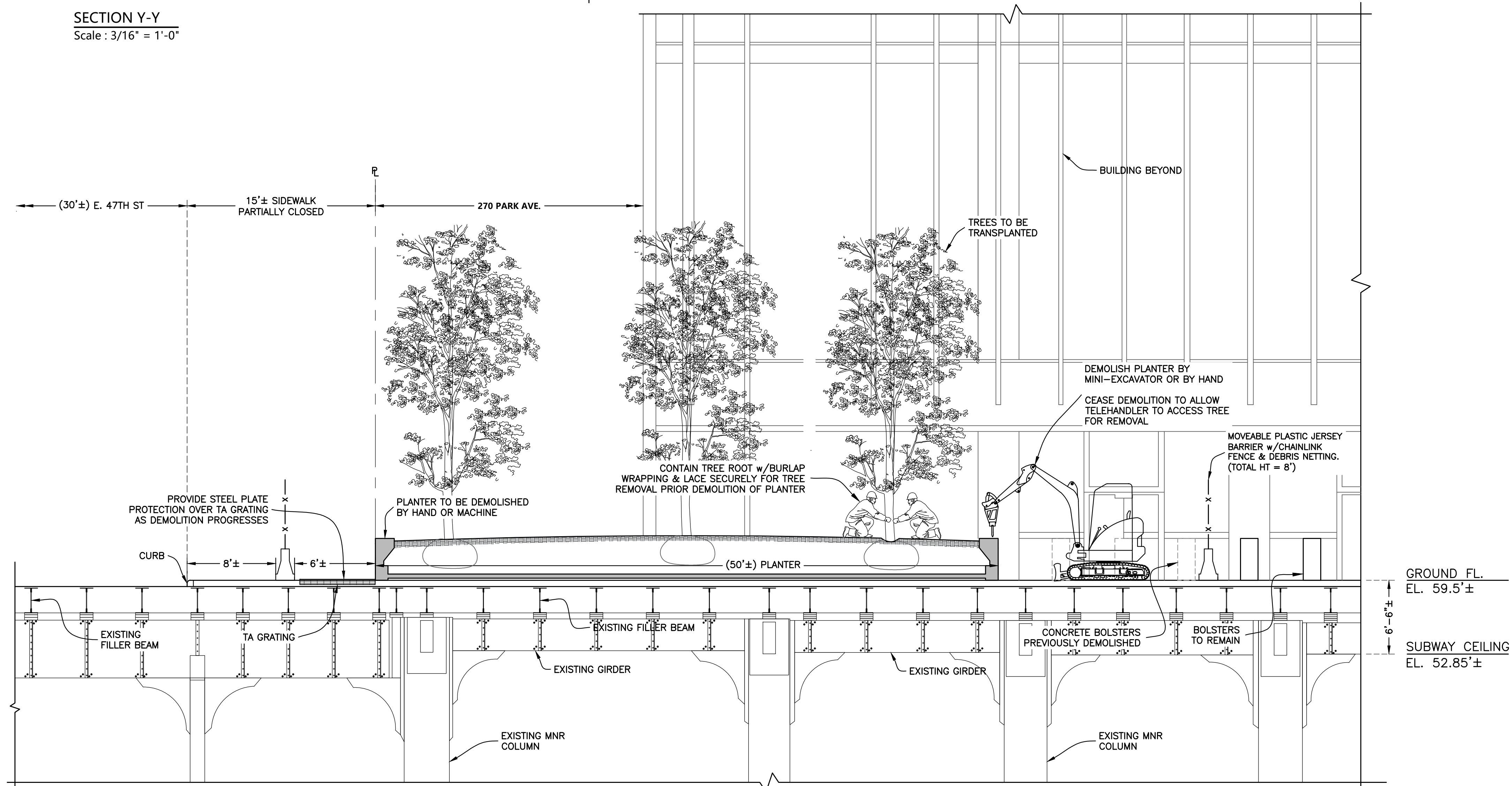
SECTION X-X
Scale : 1/8" = 1'-0"



SECTION Y-Y
Scale : 3/16" = 1'-0"



GRATING PROTECTION DETAIL
Scale : 3/4" = 1'-0"



SECTION Z-Z
Scale : 3/16" = 1'-0"

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NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE

PHASE 1 - SEQUENCE 3
DEMOLITION OF AREAS 1 & 2
SECTIONS Y-Y & Z-Z

SEAL & SIGNATURE

John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

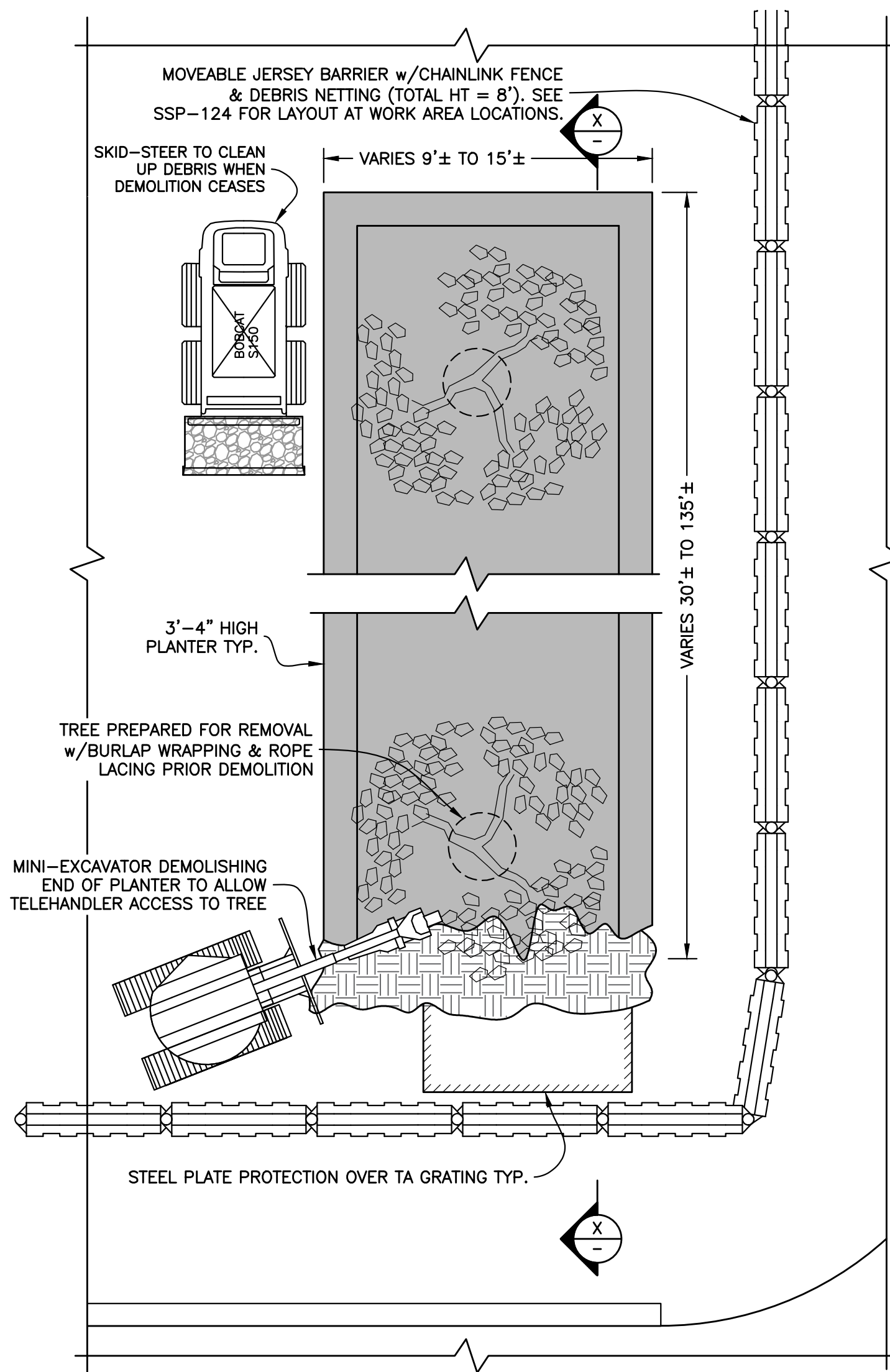
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DWG NO:

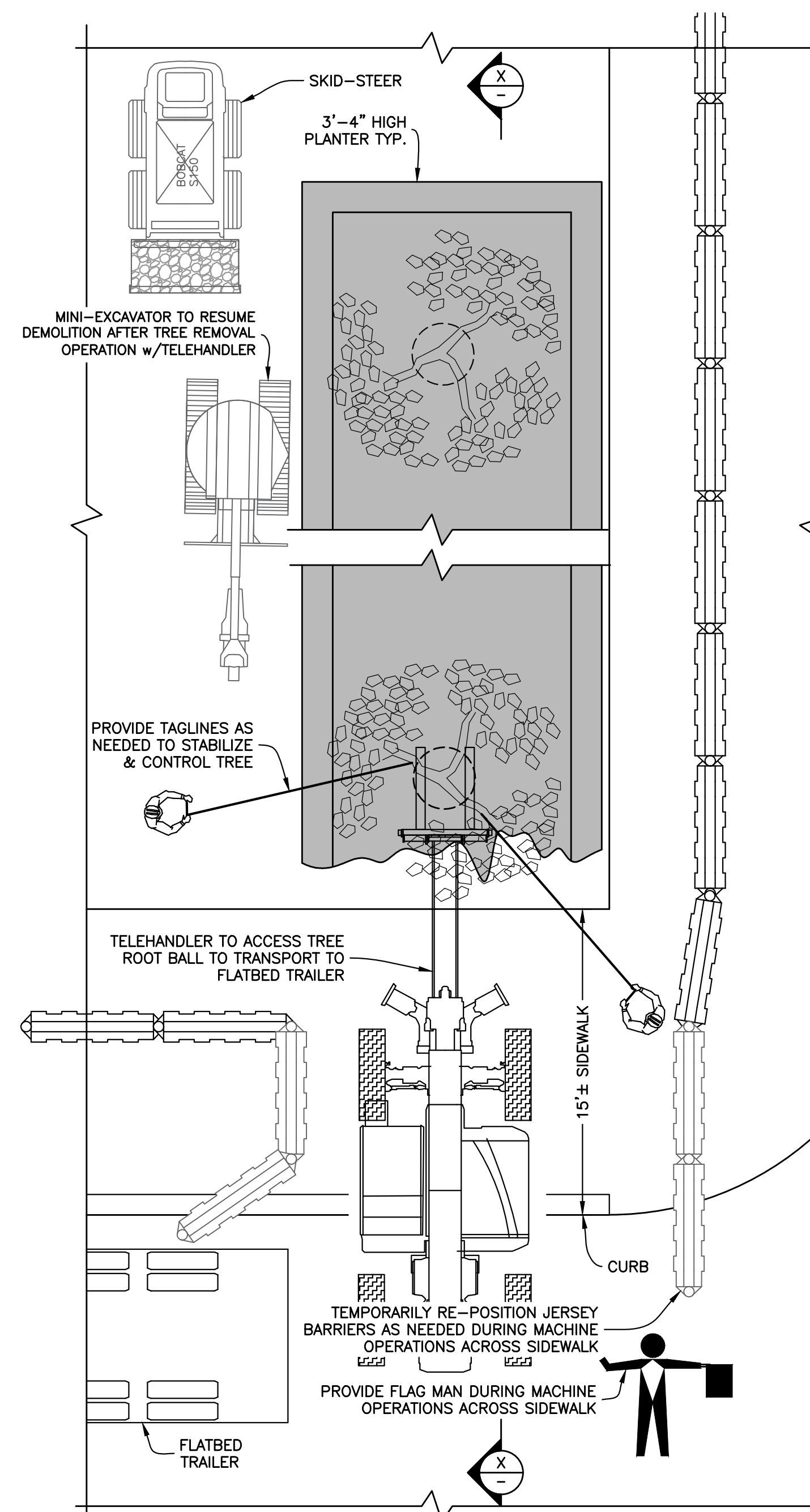
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V:2018\18211.00.00

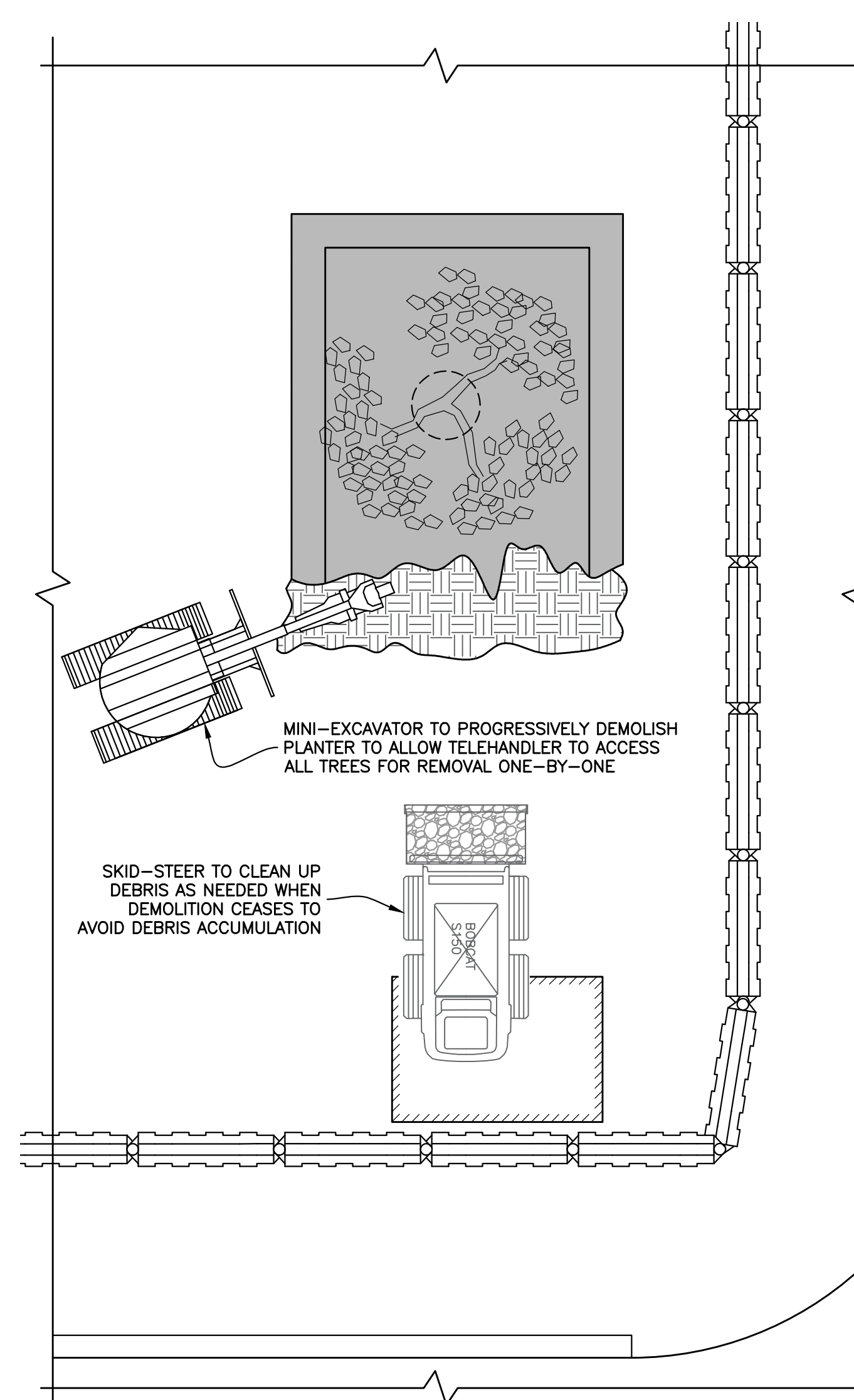
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INITIAL DEMOLITION AT END OF PLANTER
Scale : 3/16" = 1'-0"



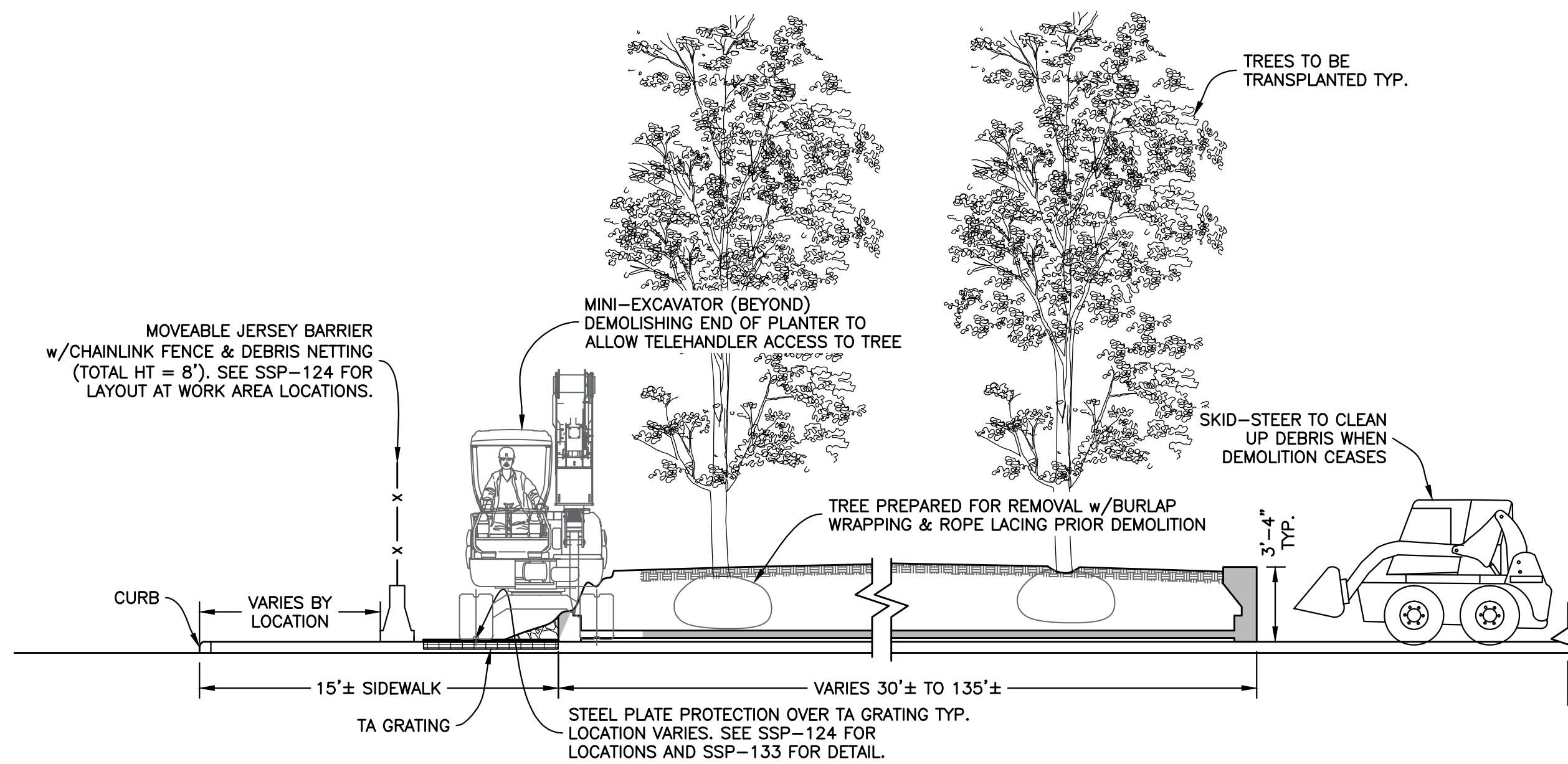
REMOVAL OF TREE w/TELEHANDLER
Scale : 3/16" = 1'-0"



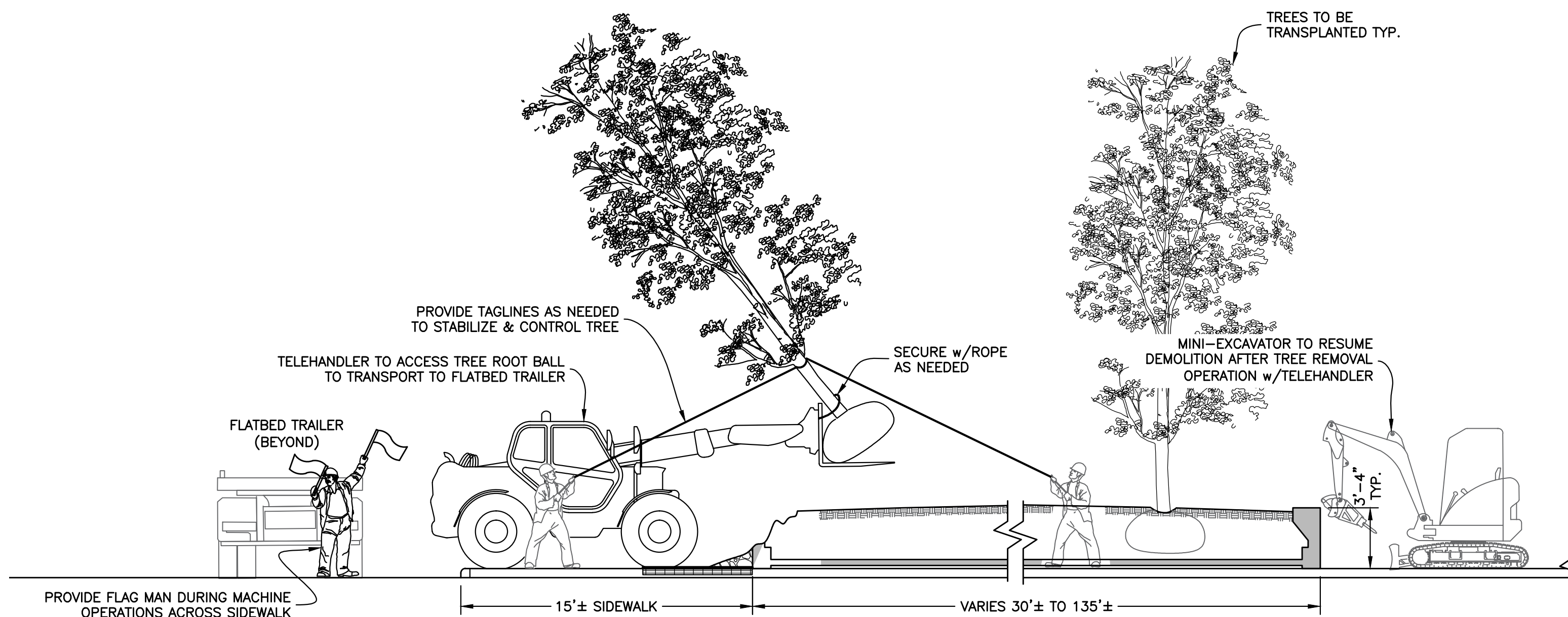
DEMOLITION OF REMAINDER OF TELEHANDLER
Scale : 3/16" = 1'-0"

SEQUENCE OF REMOVAL :

1. PLACE STEEL PLATES OVER VENTILATION GRATING.
2. INSTALL MOVEABLE PLASTIC JERSEY BARRIER WITH CHAINLINK FENCE AND DEBRIS NETTING AROUND PERIMETER OF WORK AREA.
3. DEMOLISH CONCRETE BOLSTERS USING MINI-EXCAVATOR WITH HAMMER ATTACHMENT OR MANUALLY WITH JACK HAMMERS.
CHOP CONCRETE BOLSTERS FLUSH WITH SIDEWALK. CUT REBAR FLUSH WITH SIDEWALK USING TORCH OR DEMO SAW.
CLEAN UP CONCRETE DEBRIS USING SKID-STEER AND HAND TOOLS TO REDUCE DEBRIS ACCUMULATION AND LOAD INTO DEBRIS BOX OR TRUCK. PROVIDE FLAGMAN TO MONITOR AND CONTROL FLOW OF PEDESTRIANS AROUND WORK AREA WHEN MACHINES OPERATE ACROSS SIDEWALK.
4. CUT STEEL BICYCLE RACKS FLUSH WITH SIDEWALK USING TORCH OR DEMO SAW.
CLEAN UP SCRAP METAL USING SKID-STEER OR MANUALLY AND LOAD INTO DEBRIS BOX OR TRUCK.
INFILL REMAINING PORTION OF TUBE WITH GROUT LEVEL WITH SIDEWALK.
5. PREPARE TREE FOR REMOVAL BY HAND DIGGING AROUND TREE BASE AND FORMING A ROOT BALL WITH BURLAP AND ROPE LACING.
6. DEMOLISH END OF PLANTER WITH MINI-EXCAVATOR WITH HAMMER ATTACHMENT OR BY HAND TO EXPOSE THE SOIL AND ALLOW TELEHANDLER TO ACCESS THE TREES FOR REMOVAL.
REMOVE SOIL AND CHOP SIDE WALLS OF PLANTER AS NEEDED TO ALLOW TELEHANDLER FORKS TO SUFFICIENTLY ACCESS THE TREE ROOT BALL AND PLACE ONTO FLATBED TRAILER. PROVIDE ROPE TAGLINES AS NEEDED TO STABILIZE AND CONTROL TREE.
PROGRESSIVELY CHOP PLANTER AND REMOVE SOIL AND TREES FROM EACH PLANTER.
USE SKID-STEER TO LOAD OUT SOIL AND CONCRETE DEBRIS.
7. AFTER THE PLANTER IS DEMOLISHED, PATCH SIDEWALK WHERE PLANTER WAS REMOVED AS NEEDED.
INFILL RECESS WHERE PLANTER WAS REMOVED WITH CONCRETE AND WIRE MESH.
REMOVE PLASTIC JERSEY BARRIER AND INSTALL CONCRETE JERSEY BARRIERS AS SHOWN IN PLAN ON SSP-131.



SECTION X-X : INITIAL DEMOLITION AT END OF PLANTER
Scale : 1/8" = 1'-0"



SECTION X-X : REMOVAL OF TREE w/TELEHANDLER
Scale : 1/8" = 1'-0"

HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.

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NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

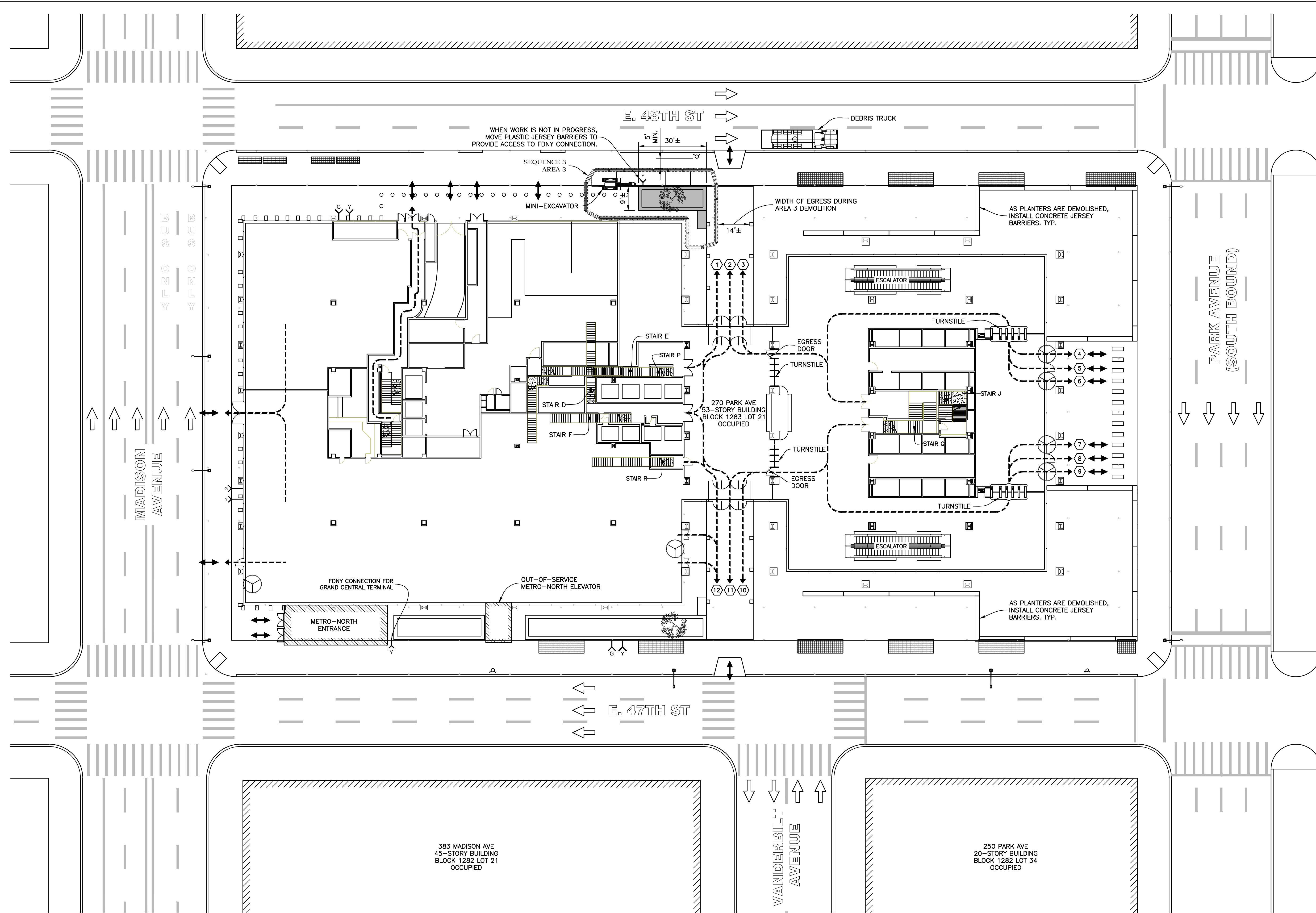
PHASE 1 - SEQUENCE 3
DEMOLITION OF AREAS 1 TO 4
SEQUENCE OF REMOVAL

SEAL & SIGNATURE

John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:

SSP-134.00



- NOTES :
1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 2. SEE SSP-123 FOR WORKING HOURS.
 3. SEE SSP-123 FOR LEGEND.
 4. COVER METRO-NORTH GRATING WITH 1" STEEL PLATES PRIOR TO DEMOLISHING PLANTERS.
- PLATES NEED ONLY BE PROVIDED AT GRATINGS IN EACH INDIVIDUAL AREA PRIOR TO PERFORMING THE DEMOLITION WITHIN THAT AREA. I.E. WHEN PERFORMING DEMOLITION IN AREA 1, PLATES OVER GRATINGS ARE NOT REQUIRED IN AREAS 2, 3, & 4.
- SEE "GRATING PROTECTION DETAIL" ON SSP-133.
5. ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MODIFIED AND MAINTAINED DURING DEMOLITION.
 6. AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN IN PLAN.
 7. THE SEQUENCE OF DEMOLITION FOR AREAS 1 TO 4 DOES NOT NEED TO BE PERFORMED IN SEQUENTIAL ORDER AND CAN BE PERFORMED IN A SEQUENCE AT THE DISCRETION OF THE CONTRACTOR.
 8. OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#*	REVOLVING DOOR		

HOWARD I. SHAPIRO
A S S O C I A T E S
CONSULTING ENGINEERS, P.C.

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111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT
SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE EXAMINER'S STAMP HERE

TITLE
PHASE 1 - SEQUENCE 3
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO: SSP-135.00

V.2018\18211.00.00 22 OF 36

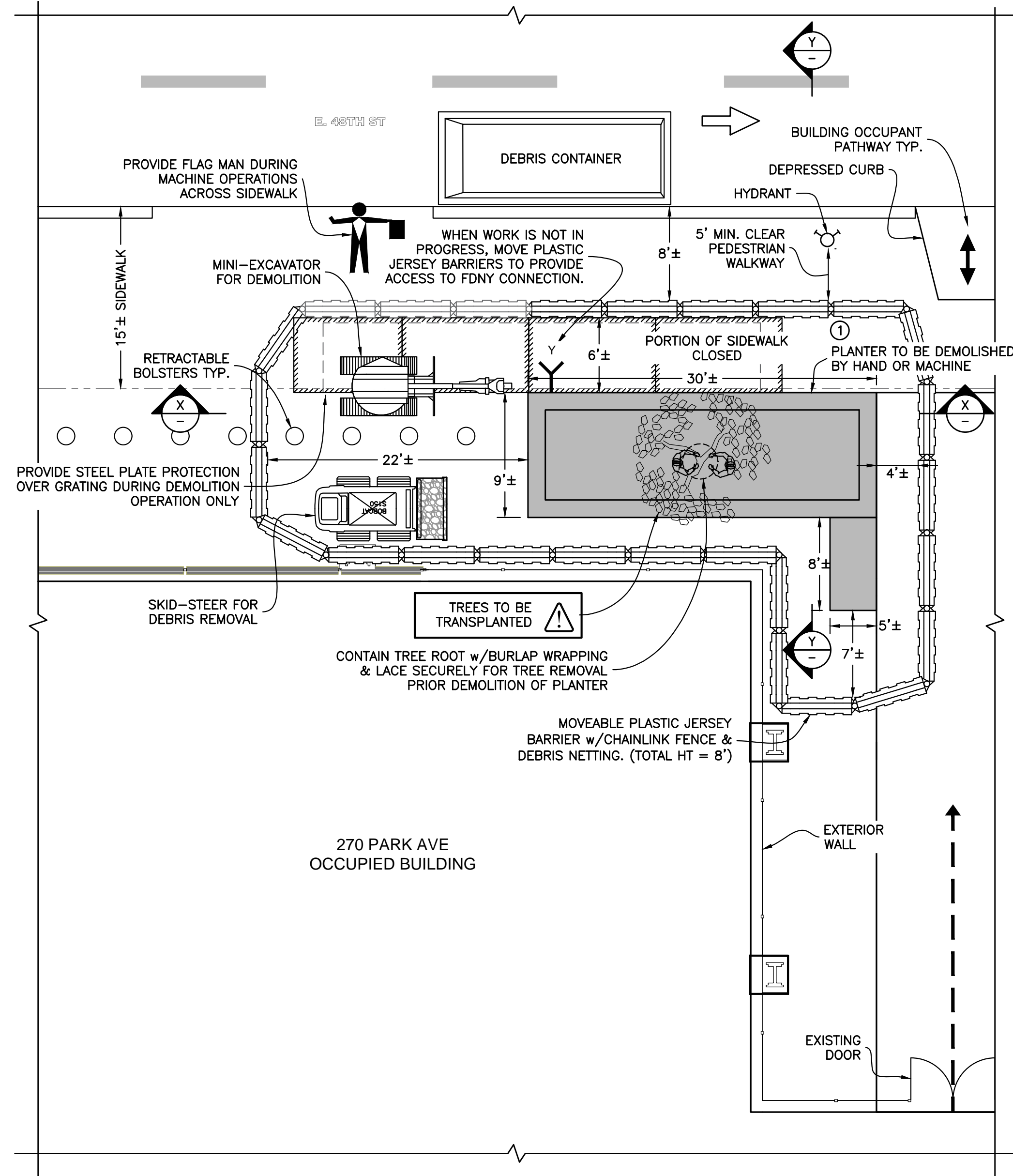
SEQUENCE 3 - AREA 3 - SITE PLAN & EGRESS
Scale: 1" = 20'-0"

ELEMENTS TO BE REMOVED:

- ① CONCRETE PLANTERS, SOIL AND TREES

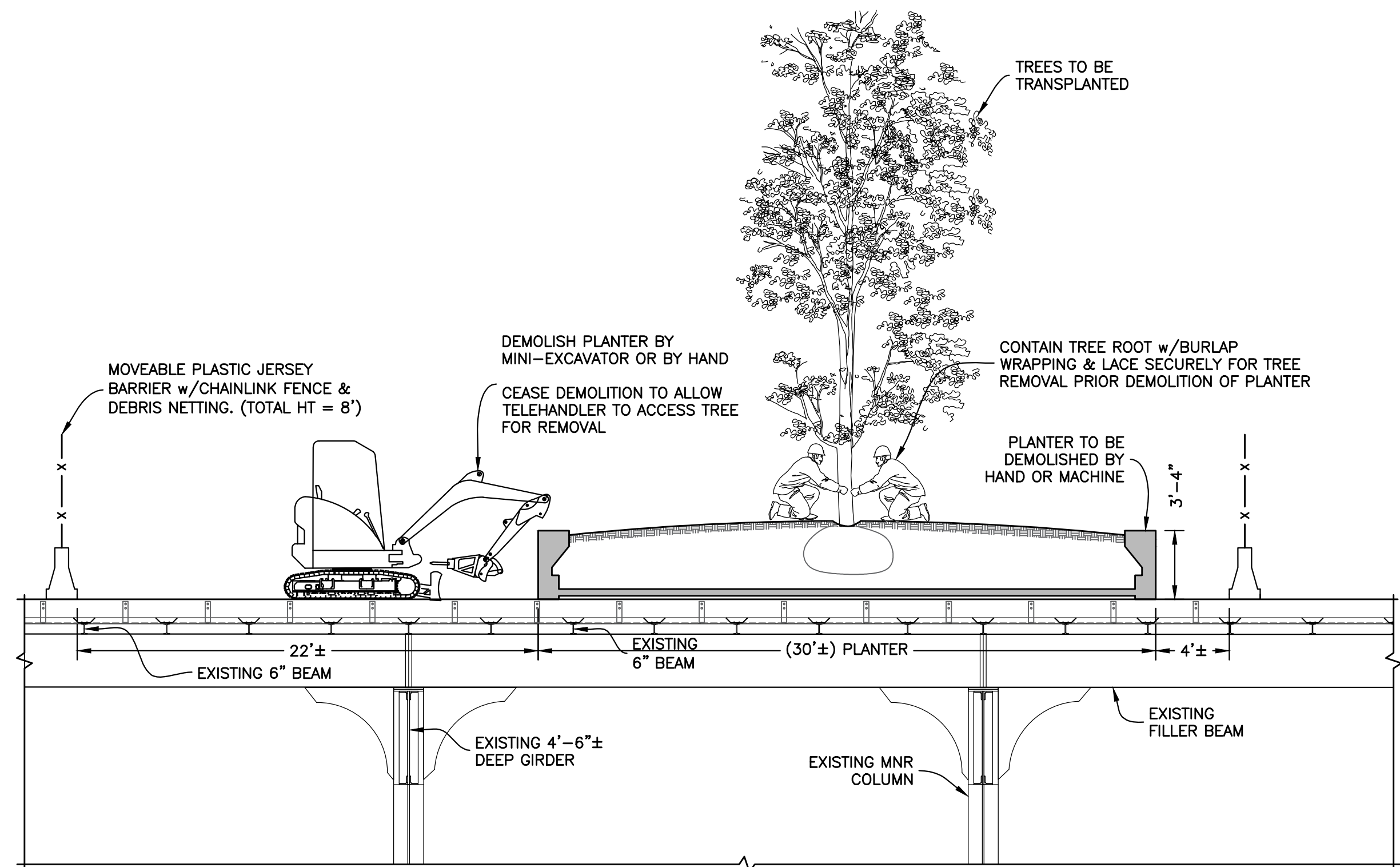
NOTES :

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2. DEMOLITION TO BE PERFORMED DURING OFF-HOURS.
3. ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MAINTAINED DURING AND AFTER DEMOLITION.
4. FOR DETAILED SEQUENCE OF REMOVAL, SEE SSP-134.
5. SEE SSP-123 FOR LEGEND.



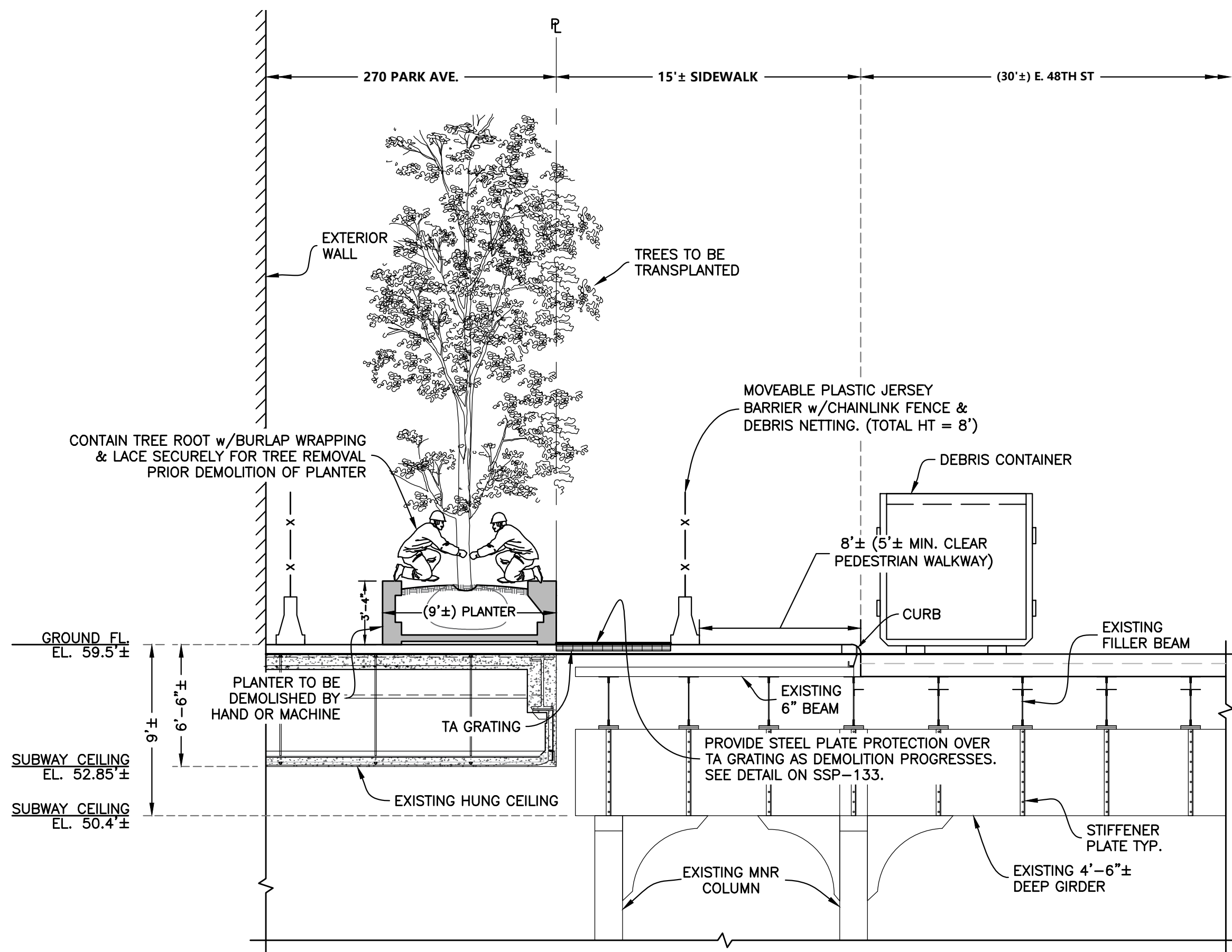
AREA 3 PARTIAL DEMOLITION PLAN

Scale : 1/8" = 1'-0"



SECTION X-X

Scale : 3/16" = 1'-0"



SECTION Y-Y

Scale : 3/16" = 1'-0"

HOWARD I. SHAPIRO
& ASSOCIATES
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111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

PHASE 1 - SEQUENCE 3
DEMOLITION OF AREA 3
PLAN & SECTIONS

SEAL & SIGNATURE

John Young, RA
John Young
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

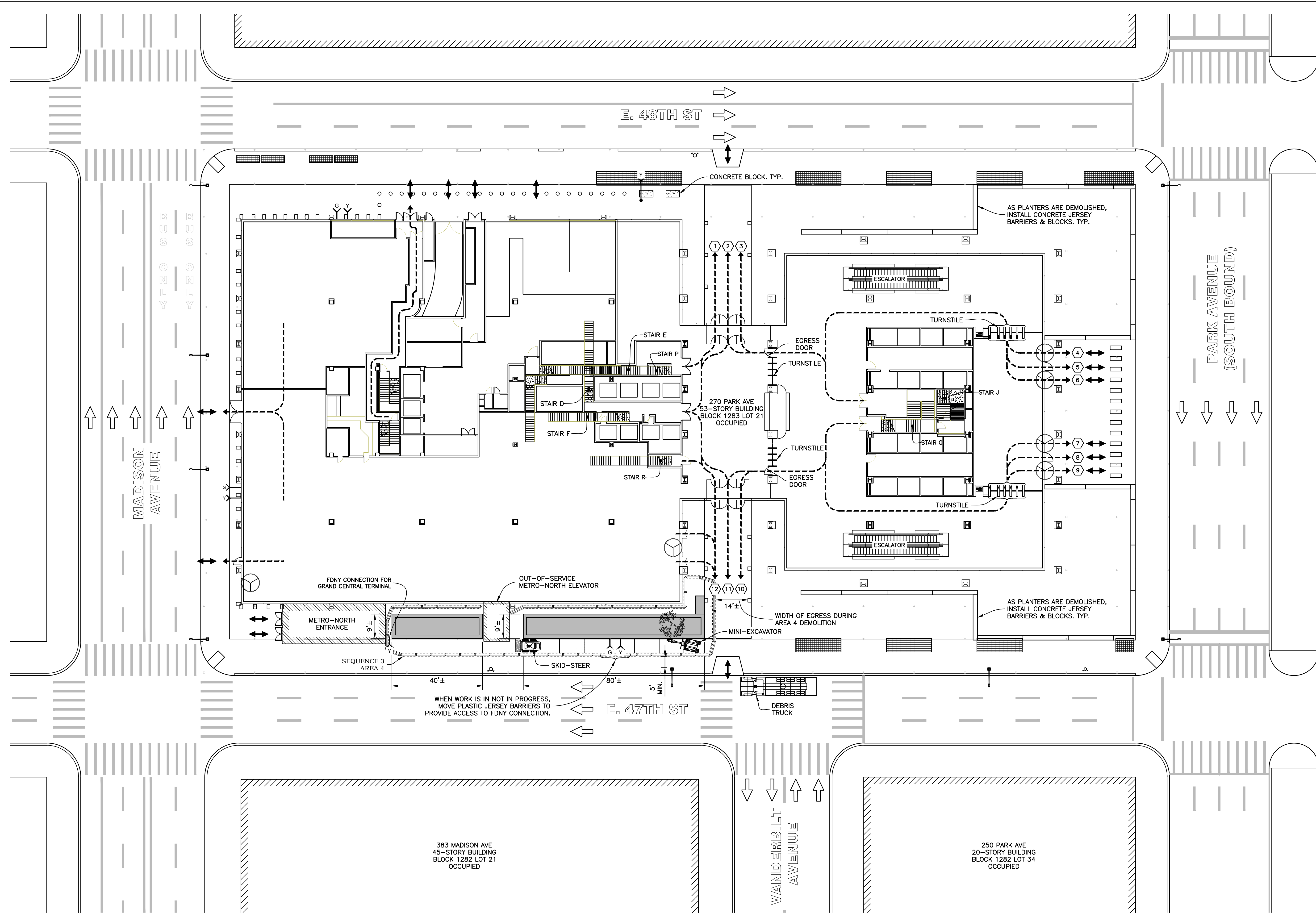
CHK BY: JS

DWG NO:

SSP-136.00

V:2018\18211.00.00

23 OF 36



- NOTES :
- SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 - SEE SSP-123 FOR WORKING HOURS.
 - SEE SSP-123 FOR LEGEND.
 - COVER METRO-NORTH GRATING WITH 1" STEEL PLATES PRIOR TO DEMOLISHING PLANTERS.
- PLATES NEED ONLY BE PROVIDED AT GRATINGS IN EACH INDIVIDUAL AREA PRIOR TO PERFORMING THE DEMOLITION WITHIN THAT AREA. I.E. WHEN PERFORMING DEMOLITION IN AREA 1, PLATES OVER GRATINGS ARE NOT REQUIRED IN AREAS 2, 3, & 4.
- SEE "GRATING PROTECTION DETAIL" ON SSP-133.
- ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MODIFIED AND MAINTAINED DURING DEMOLITION.
 - AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN IN PLAN.
 - THE SEQUENCE OF DEMOLITION FOR AREAS 1 TO 4 DOES NOT NEED TO BE PERFORMED IN SEQUENTIAL ORDER AND CAN BE PERFORMED IN A SEQUENCE AT THE DISCRETION OF THE CONTRACTOR.
 - OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1900
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
12*	REVOLVING DOOR		

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& ASSOCIATES
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SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
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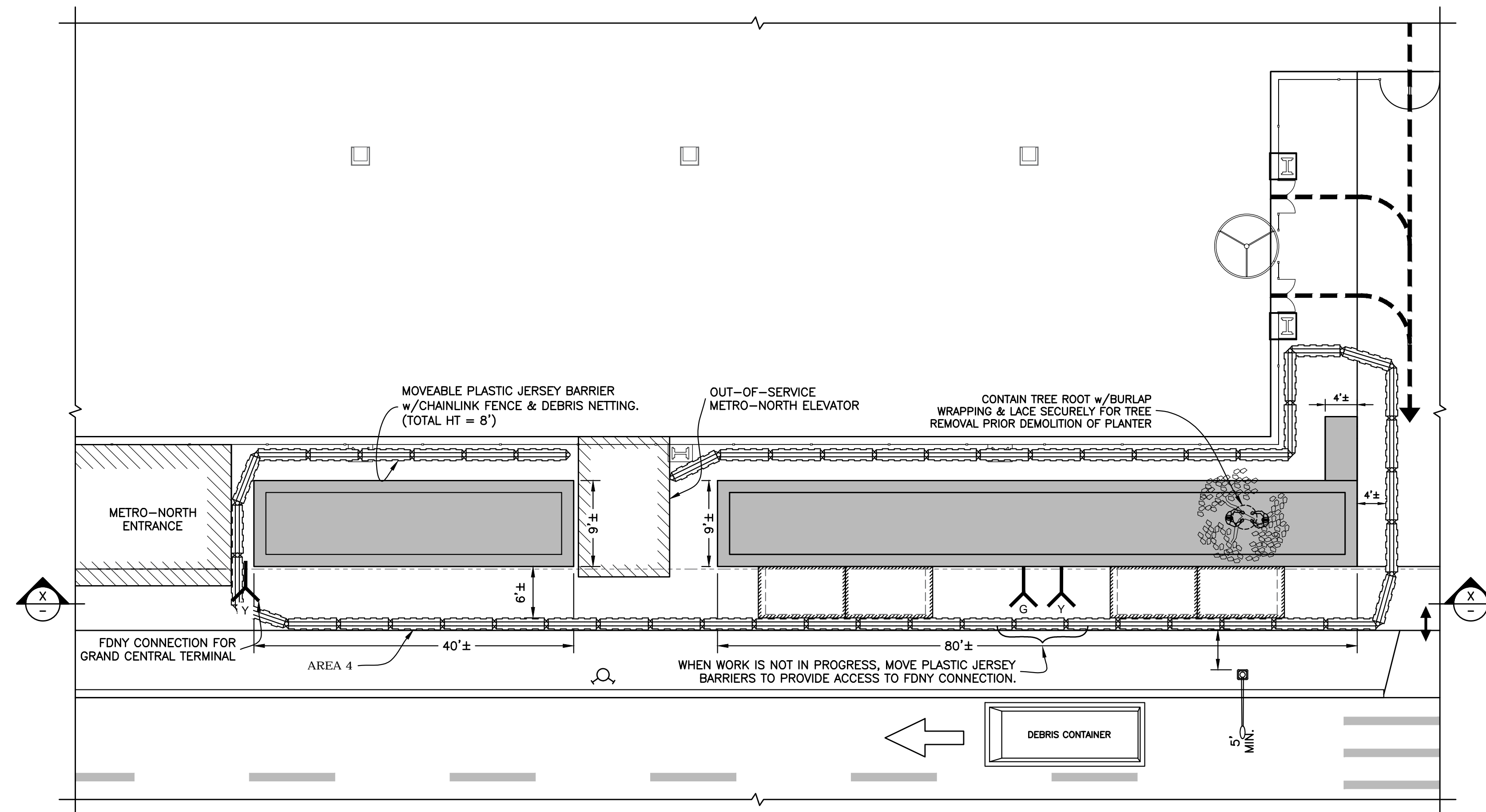
TITLE
PHASE 1 - SEQUENCE 3
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO: SSP-137.00
V.2018/18211.00.00 24 OF 36

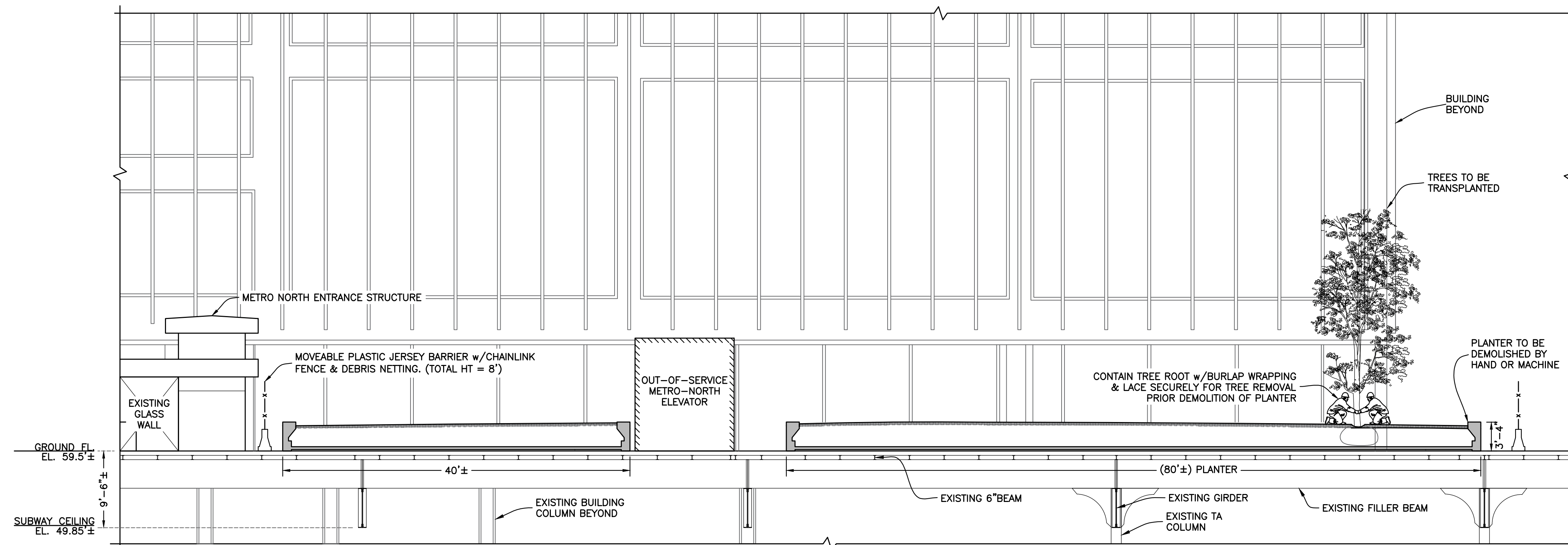
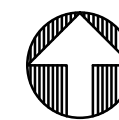
ELEMENTS TO BE REMOVED:

① CONCRETE PLANTERS, SOIL AND TREES

- NOTES :
1. PROVIDE 1" THICK STEEL PLATE PROTECTION OVER METRO-NORTH GRATING PRIOR DEMOLISHING PLANTERS.
 2. DEMOLITION TO BE PERFORMED DURING OFF-HOURS.
 3. ALL FDNY CONNECTIONS IN PLANTERS SHALL BE MAINTAINED DURING AND AFTER DEMOLITION.
 4. FOR DETAILED SEQUENCE OF REMOVAL, SEE SSP-134.
 5. SEE SSP-123 FOR LEGEND.



AREA 4 PARTIAL DEMOLITION PLAN
Scale : 3/32" = 1'-0"



SECTION X-X
Scale : 1/8" = 1'-0"

HOWARD I. SHAPIRO
& ASSOCIATES
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SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

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BIN #: 1035421

PLACE STICKER HERE

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TITLE

PHASE 1 - SEQUENCE 3
DEMOLITION OF AREA 4
PLAN & SECTION X-X

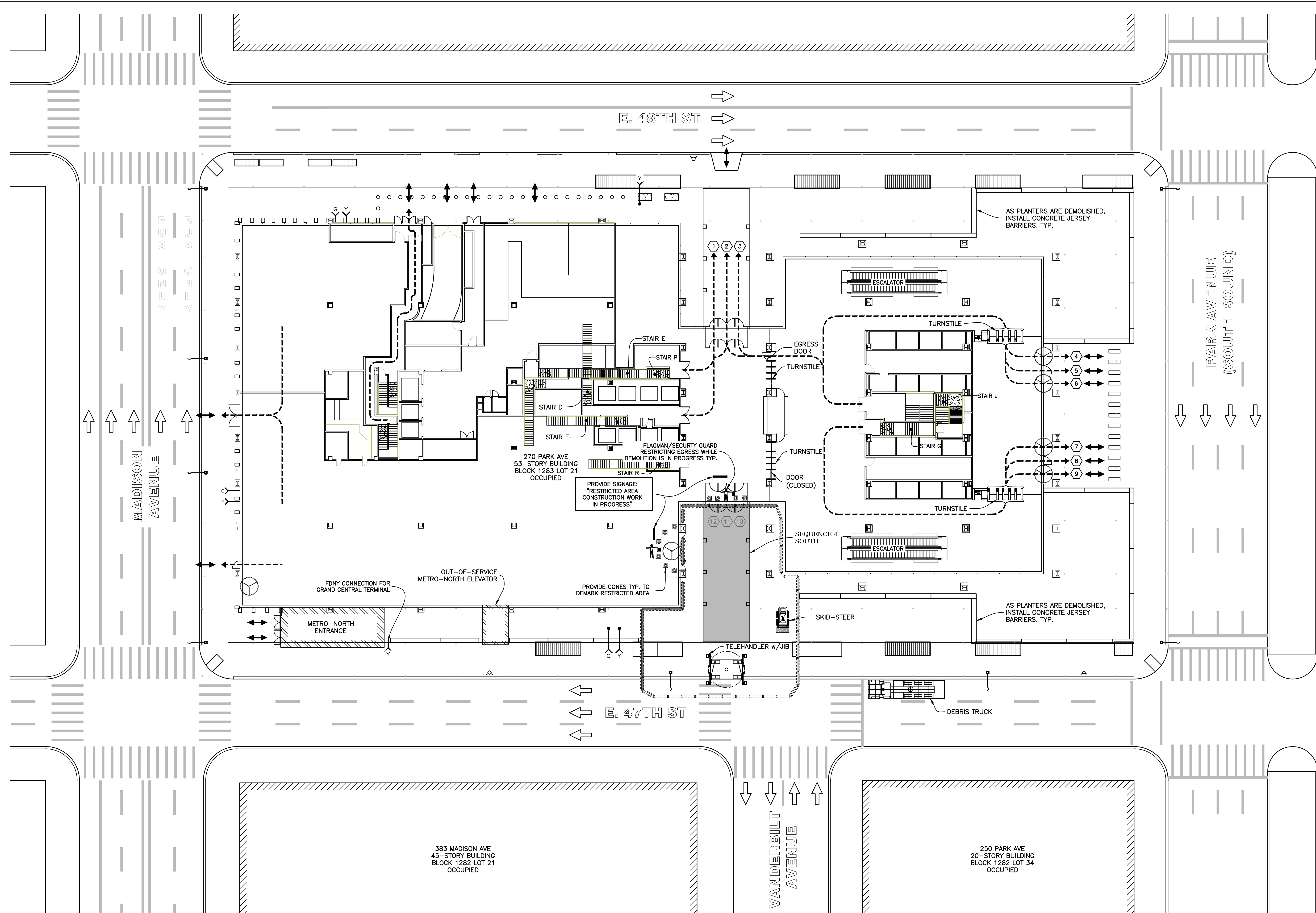
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John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:

SSP-I38.00

V:2018\18211.00.00 25 OF 36



- NOTES :
1. SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 2. SEE SSP-123 FOR WORKING HOURS.
 3. SEE SSP-123 FOR LEGEND.
 4. AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN.
 5. THE PROCEDURE SHOWN IS FOR THE CANOPY DEMOLITION AT THE NORTH BREEZEWAY. THE SAME PROCEDURE SHALL BE USED AT THE SOUTH BREEZEWAY. THE DEMOLITION AT THE NORTH AND SOUTH BREEZEWAYS SHALL NOT BE PERFORMED SIMULTANEOUSLY. IT IS AT THE CONTRACTOR'S DISCRETION TO CHOOSE WHICH TO DEMOLISH FIRST, UNLESS OTHERWISE DIRECTED BY THE OWNER OR CONSTRUCTION MANAGER.
 6. OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	150
2	72"	3.0	300
3	36"	1.5	150
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	-
11	72"	3.0	-
12	36"	1.5	-
TOTAL CAPACITY			1300
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#*	REVOLVING DOOR		
#	CONTROLLED ACCESS/ CLOSED DURING DEMOLITION		

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 & ASSOCIATES
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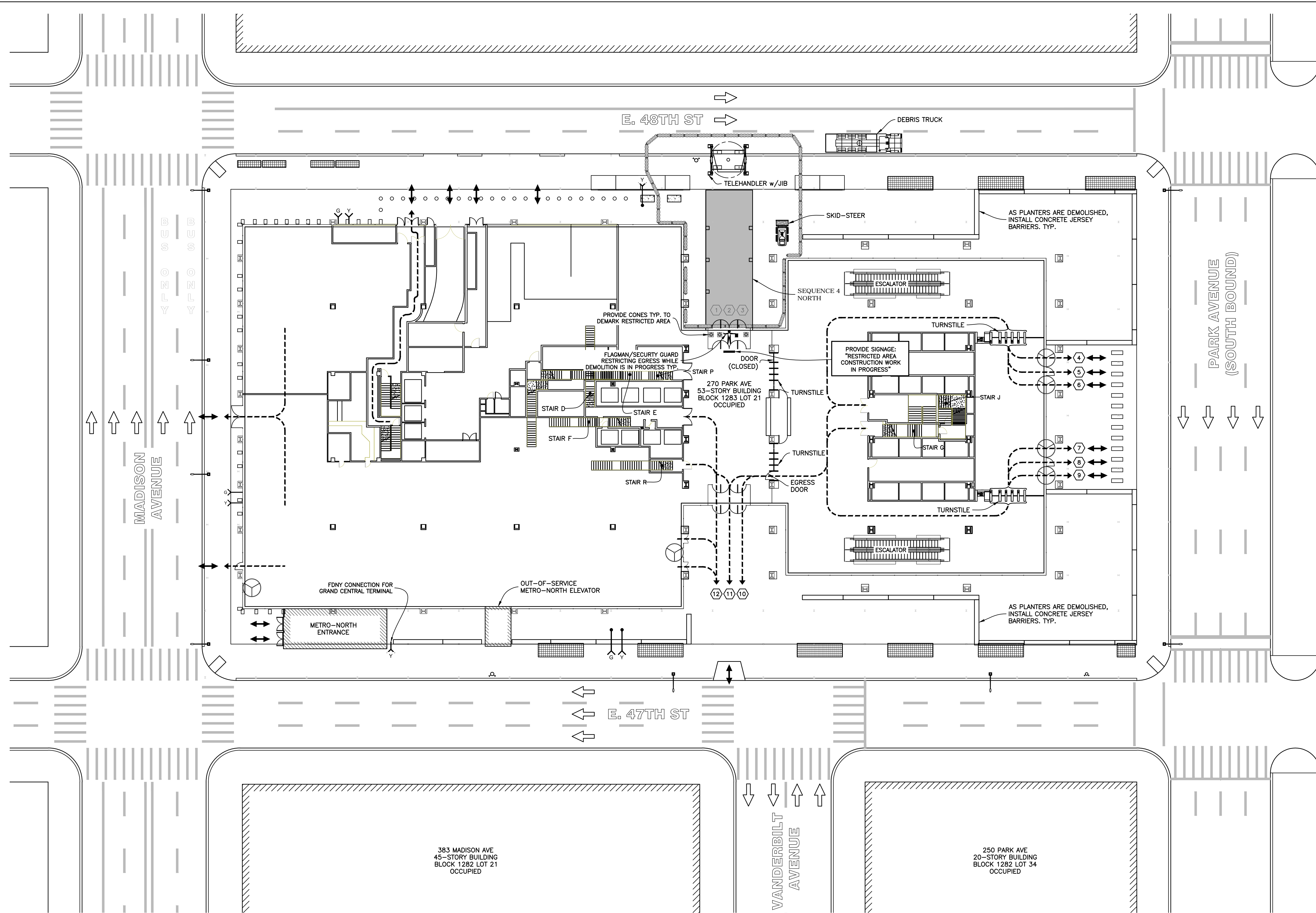
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NEW YORK, NY 10006
PROJECT
SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE EXAMINER'S STAMP HERE

TITLE
PHASE 1 - SEQUENCE 4 SOUTH
DEMOLITION OF BREEZEWAY CANOPIES
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:
SSP-139.00
V:2018\18211.00.00 26 OF 36

SEQUENCE 4 SOUTH - SITE PLAN & EGRESS
Scale: 1" = 20'-0"



- NOTES:
- SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
 - SEE SSP-123 FOR WORKING HOURS.
 - SEE SSP-123 FOR LEGEND.
 - AS PLANTERS ARE DEMOLISHED, INSTALL CONCRETE JERSEY BARRIERS AS SHOWN.
 - THE PROCEDURE SHOWN IS FOR THE CANOPY DEMOLITION AT THE NORTH BREEZEWAY. THE SAME PROCEDURE SHALL BE USED AT THE SOUTH BREEZEWAY. THE DEMOLITION AT THE NORTH AND SOUTH BREEZEWAYS SHALL NOT BE PERFORMED SIMULTANEOUSLY. IT IS AT THE CONTRACTOR'S DISCRETION TO CHOOSE WHICH TO DEMOLISH FIRST, UNLESS OTHERWISE DIRECTED BY THE OWNER OR CONSTRUCTION MANAGER.
 - OBTAIN ALL APPLICABLE DOT PERMITS AND FOLLOW MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) STANDARDS.

EXIT DOOR	DOOR WIDTH	UNITS	TOTAL OCCUPANT CAPACITY
1	36"	1.5	-
2	72"	3.0	-
3	36"	1.5	-
4*	78"	1.0	100
5	36"	1.5	150
6*	78"	1.0	100
7*	78"	1.0	100
8	36"	1.5	150
9*	78"	1.0	100
10	36"	1.5	150
11	72"	3.0	300
12	36"	1.5	150
TOTAL CAPACITY			1300
TOTAL OCCUPANT CAPACITY IS BASED ON 100 PEOPLE PER UNIT			
TOTAL DEMAND IS 960			
SEE SSP-149 FOR DETERMINATION OF DEMAND			
#*	REVOLVING DOOR		
#	CONTROLLED ACCESS/ CLOSED DURING DEMOLITION		

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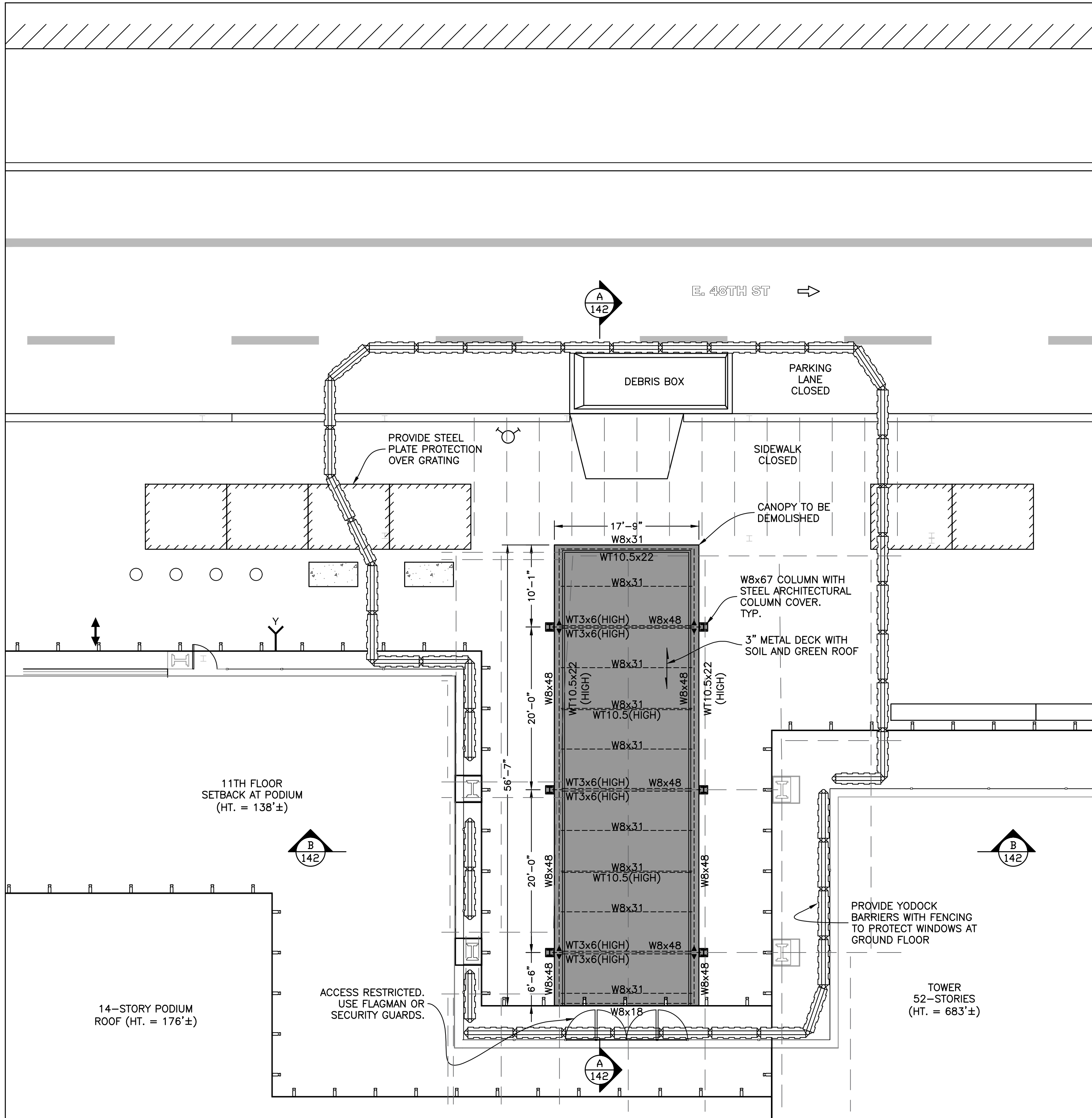
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TITLE
PHASE 1 - SEQUENCE 4 NORTH
DEMOLITION OF BREEZEWAY CANOPIES
SITE PLAN & EGRESS

SEAL & SIGNATURE
John Young, RA
Buildings
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
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CHK BY: JS
DWG NO:
SSP-140.00
V:2018\18211.00.00 27 OF 36

SEQUENCE 4 NORTH - SITE PLAN & EGRESS
Scale: 1" = 20'-0"





PARTIAL PLAN VIEW
Scale : 1/8" = 1'-0"

DEMOLITION OF CANOPIES AT BREEZEWAY EGRESSES

- SEE SSP-121 AND SSP-122 FOR GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING SAFEGUARDS DURING DEMOLITION.
- SEE SSP-123 FOR LEGEND.
- THE PROCEDURE SHOWN IS FOR THE CANOPY DEMOLITION AT THE NORTH BREEZEWAY. THE SAME PROCEDURE SHALL BE USED AT THE SOUTH BREEZEWAY. THE DEMOLITION AT THE NORTH AND SOUTH BREEZEWAYS SHALL NOT BE PERFORMED SIMULTANEOUSLY. IT IS AT THE CONTRACTOR'S DISCRETION TO CHOOSE WHICH TO DEMOLISH FIRST, UNLESS OTHERWISE DIRECTED BY THE OWNER OR CONSTRUCTION MANAGER.

SEQUENCE OF REMOVAL

- INSTALL PLASTIC JERSEY BARRIER WITH CHAINLINK AND DEBRIS NETTING AROUND PERIMETER OF WORK AREA.
- PROVIDE SECURITY GUARDS AT BREEZEWAY ENTRANCE TO RESTRICT BUILDING OCCUPANT EGRESS INTO WORK AREA.
- REMOVE SOIL AND GREENERY FROM CANOPY ROOF BY HAND.
USING HAND TOOLS, DEMOLISH ROOF DECKING OF CANOPY, GUTTERS, LIGHTS, AND ALL OTHER COVERS TO EXPOSE CANOPY STEEL FRAMING.
USING A TELEHANDLER, HOLD THE STEEL FRAMING WHILE IT IS BEING CUT BY HAND. STEEL SHALL BE LOWERED TO THE SIDEWALK.
NO STEEL FRAMING SHALL BE CUT AND DROPPED TO THE SIDEWALK LEVEL.
CLEAN UP DEBRIS MANUALLY USING HAND TOOLS OR USING A SKID STEER.
LOAD INTO DEBRIS BOX OR TRUCK.
- PATCH ANY RECESSES AND IRREGULARITIES RESULTING FROM THE CANOPY DEMOLITION TO RESTORE WALKWAY TO A SMOOTH WALKING SURFACE.
- AFTER PATCHES HAVE CURED, REMOVE PLASTIC JERSEY BARRIERS AND RESTORE EGRESS TO BREEZEWAY.
- ONCE STEPS 4 TO 8 ARE COMPLETED, WORK CAN COMMENCE AT THE SECOND LOCATION.

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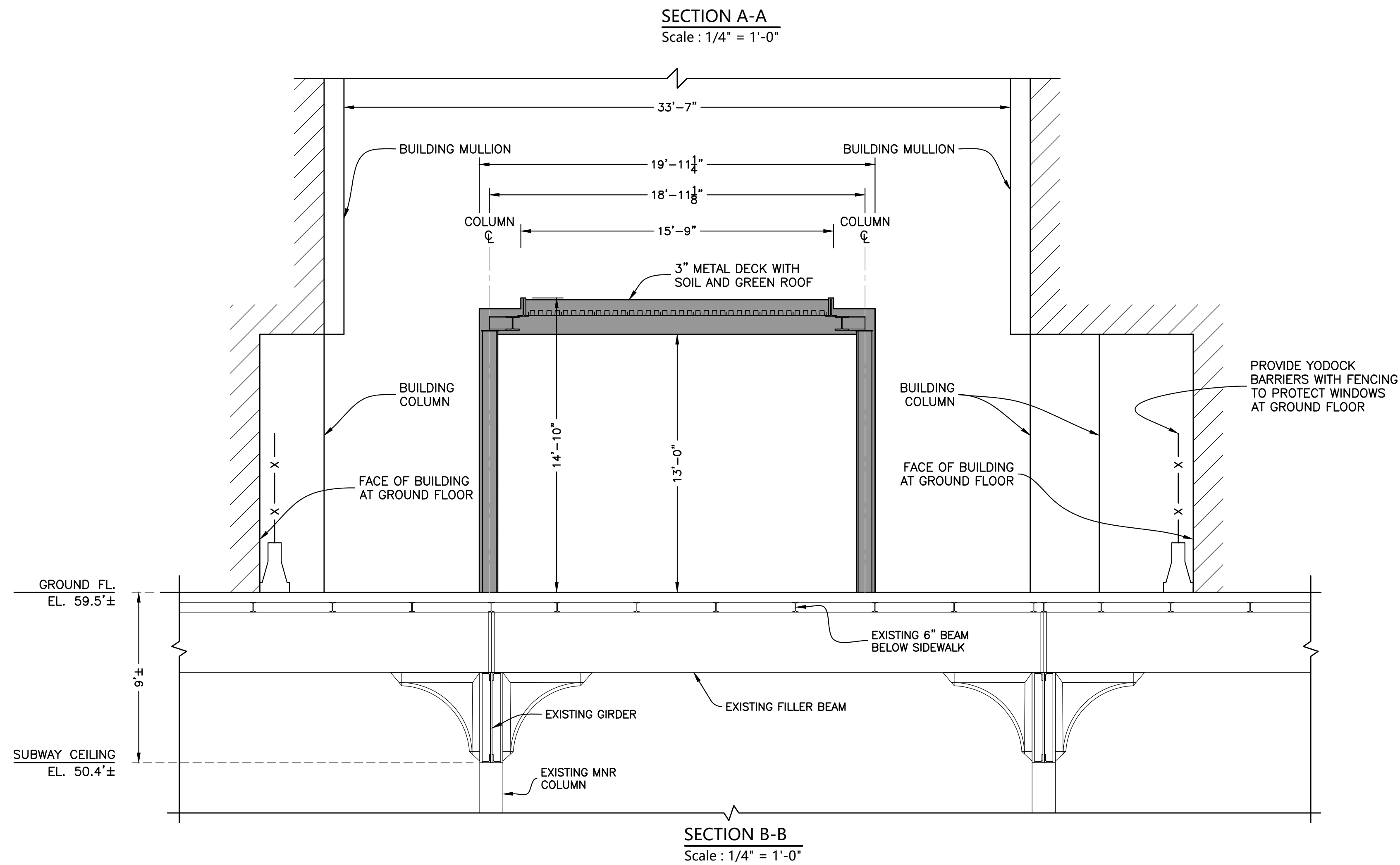
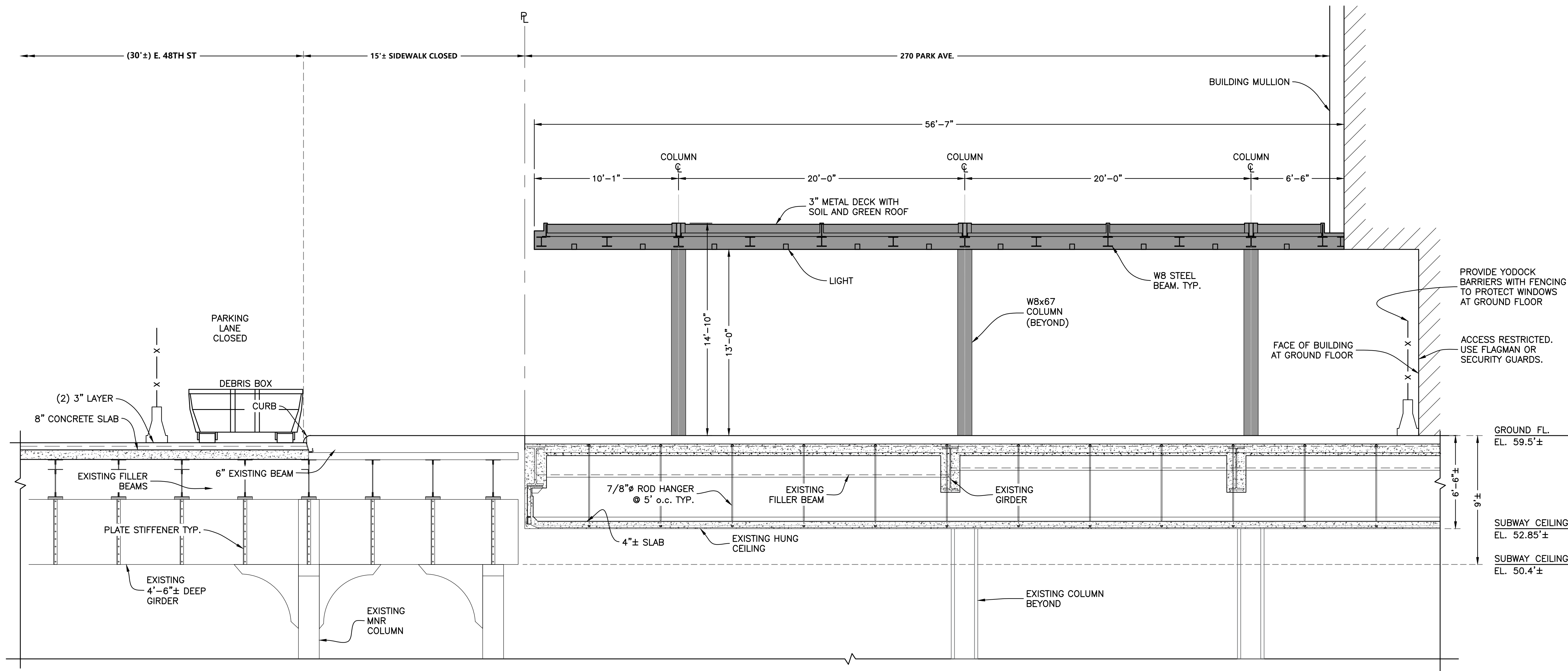
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DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE
PHASE 1 - SEQUENCE 4
DEMOLITION OF BREEZEWAY CANOPIES
PARTIAL PLAN VIEW

SEAL & SIGNATURE
John Young, RA
BUILDINGS
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
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ZONING INFORMATION

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 ZONING MAP: 8D
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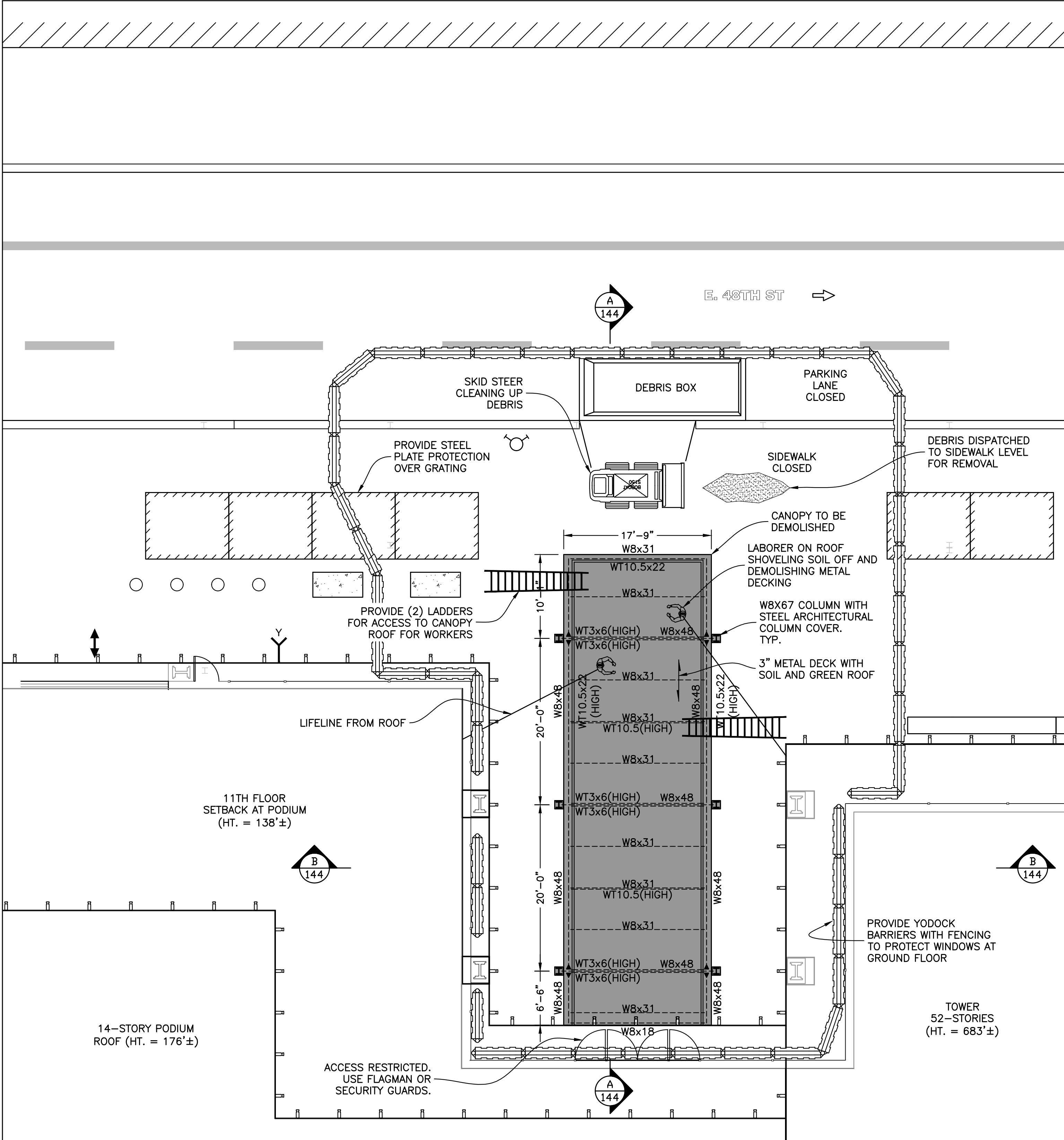
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TITLE

PHASE 1 - SEQUENCE 4
 DEMOLITION OF BREEZEWAY CANOPIES
 SECTIONS A-A & B-B

SEAL & SIGNATURE	DRAWING BY: KC	DATE: 07/09/2018
 APPROVED 07/11/2018 BEST SSP	PROJECT NO: 18211.00.00	
	ENGINEER: JS	
	SCALE: AS NOTED	
	CHK BY: JS	
	DWG NO:	SSP-142.00
	V:2018/18211.00.00	29 OF 36



PARTIAL PLAN VIEW
Scale : 1/8" = 1'-0"

NOTES :

1. SEE SSP-123 FOR LEGEND.
2. THE PROCEDURE SHOWN IS FOR THE CANOPY DEMOLITION AT THE NORTH BREEZEWAY. THE SAME PROCEDURE SHALL BE USED AT THE SOUTH BREEZEWAY. THE DEMOLITION AT THE NORTH AND SOUTH BREEZEWAYS SHALL NOT BE PERFORMED SIMULTANEOUSLY. IT IS AT THE CONTRACTOR'S DISCRETION TO CHOOSE WHICH TO DEMOLISH FIRST, UNLESS OTHERWISE DIRECTED BY THE OWNER OR CONSTRUCTION MANAGER.
3. OBTAIN NECESSARY DEPARTMENT OF TRANSPORTATION PERMITS TO CLOSE LANES ON EAST 47TH STREET AND EAST 48TH STREET FRO TELEHANDLER OPERATION.
4. PROVIDE 1" THICK STEEL PLATE PROTECTION OVER METRO-NORTH GRATING PRIOR TO DEMOLISHING THE CANOPY.
5. DEMOLITION TO BE PERFORMED DURING OFF-HOURS.

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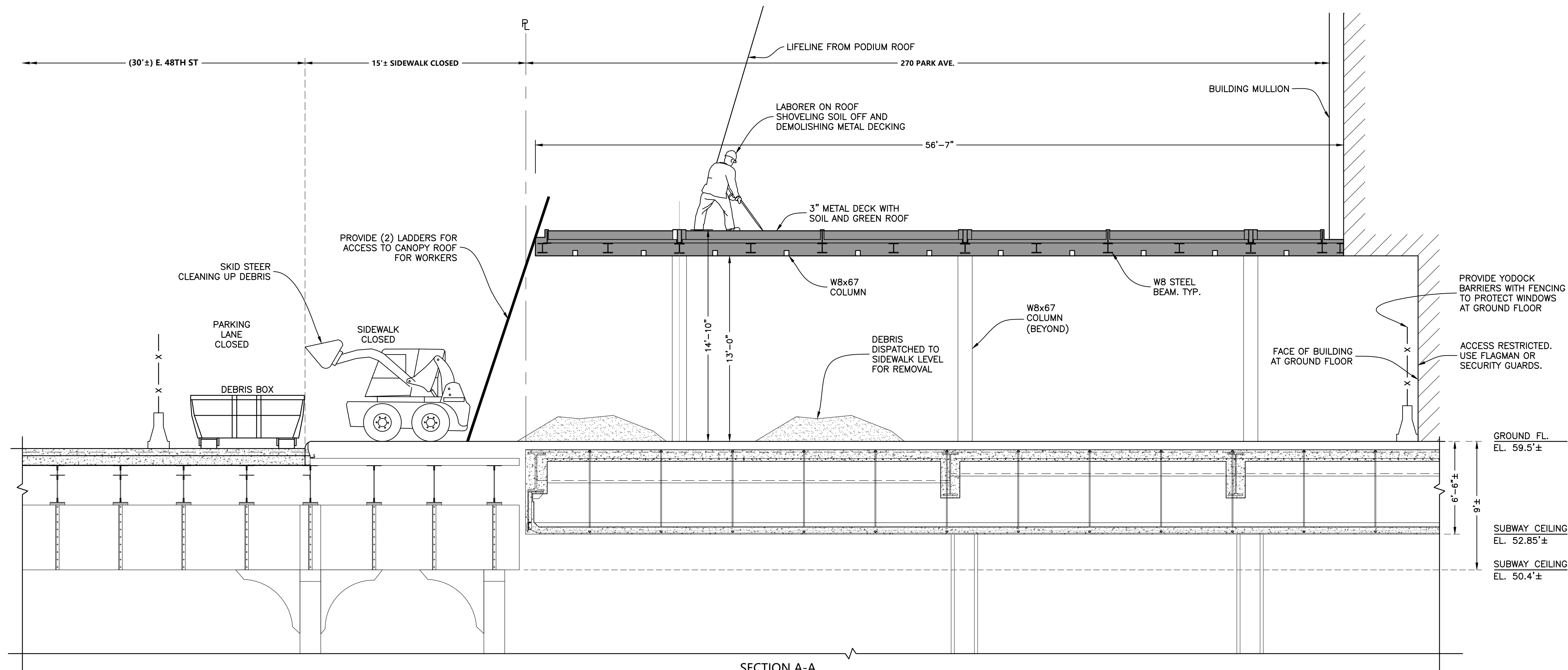
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270 PARK AVENUE, MANHATTAN, NY
ZONING INFORMATION
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ZONE: C5-3
ZONING MAP: 8D
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BIN #: 1035421

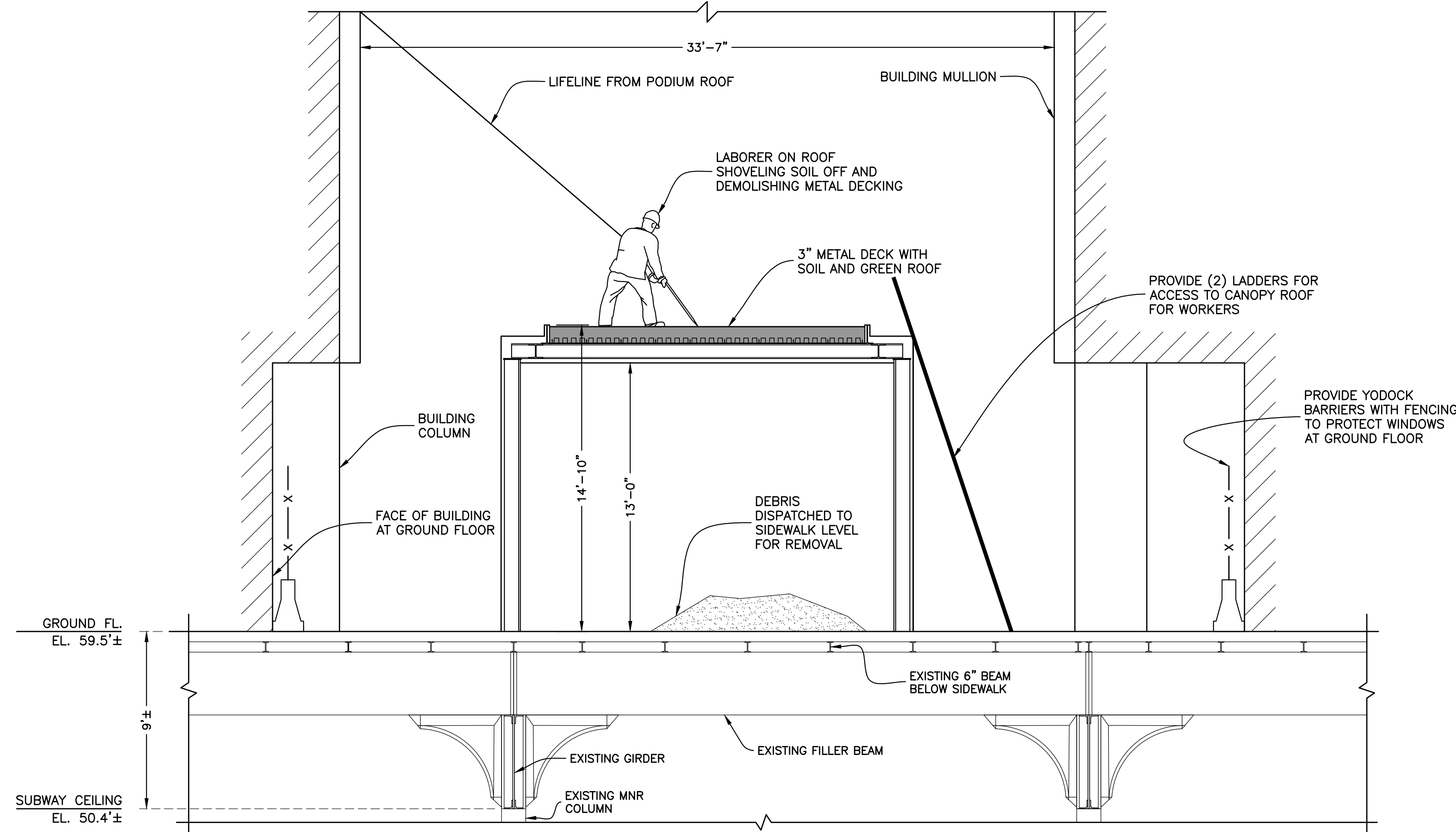
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TITLE
PHASE 1 - SEQUENCE 4
REMOVAL OF SOIL, DECKING, AND COVERS
PARTIAL PLAN VIEW

SEAL & SIGNATURE
John Young, RA
BUILDINGS
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO:
SSP-143.00
V:2018\18211.00.00 30 OF 36



SECTION A-A
Scale : 1/4" = 1'-0"



SECTION B-B
Scale : 1/4" = 1'-0"

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SITE SAFETY PLAN FOR
 DEMOLITION OPERATIONS AT
 270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
 LOT: 21
 ZONE: C5-3
 ZONING MAP: 8D
 COMMUNITY BOARD: 105
 BIN #: 1035421

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TITLE

PHASE 1 - SEQUENCE 4
 REMOVAL OF SOIL, DECKING, AND COVERS
 SECTIONS A-A & B-B

SEAL & SIGNATURE

John Young, RA
 Buildings
APPROVED
 07/11/2018
 BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

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SCALE: AS NOTED

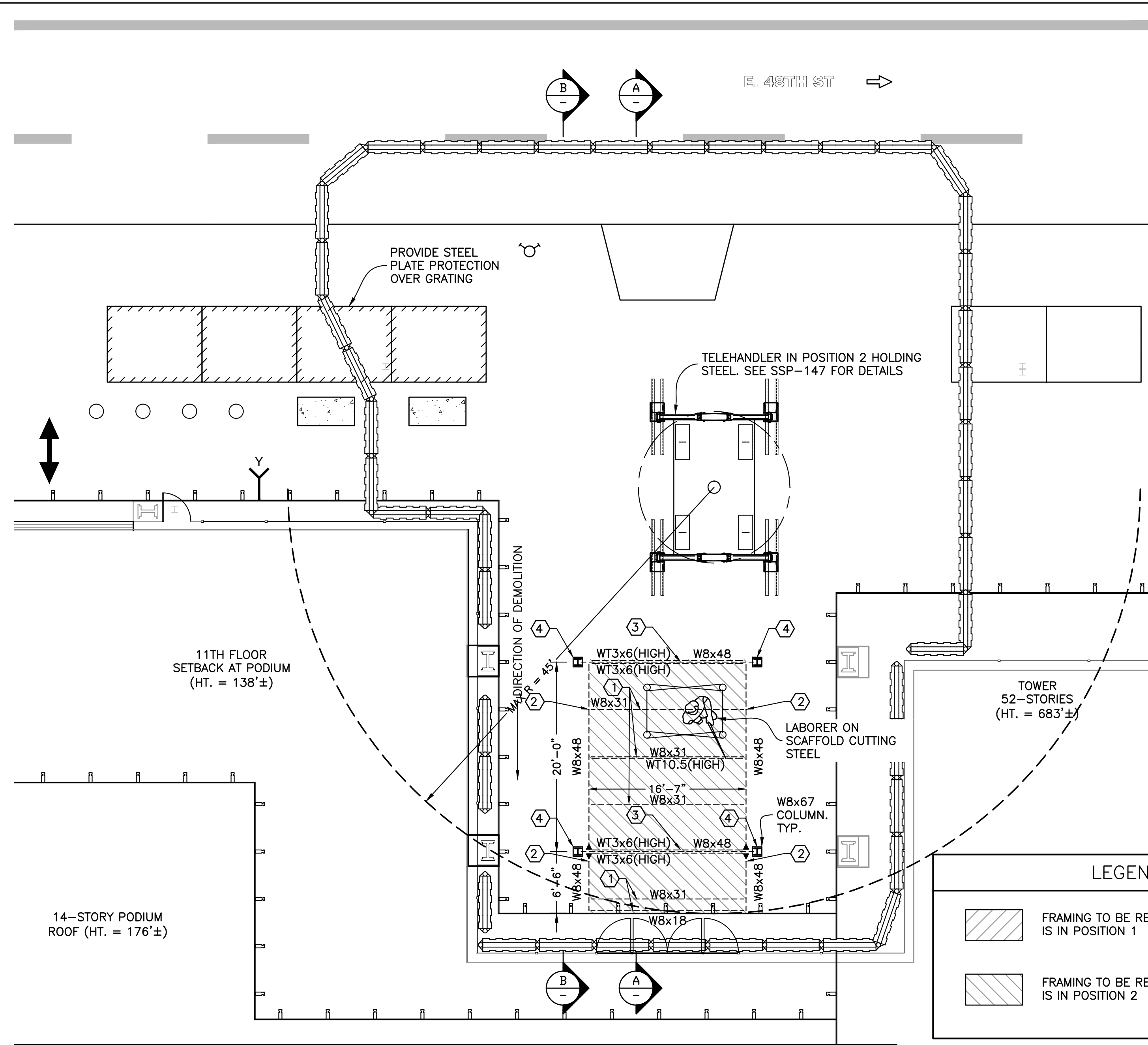
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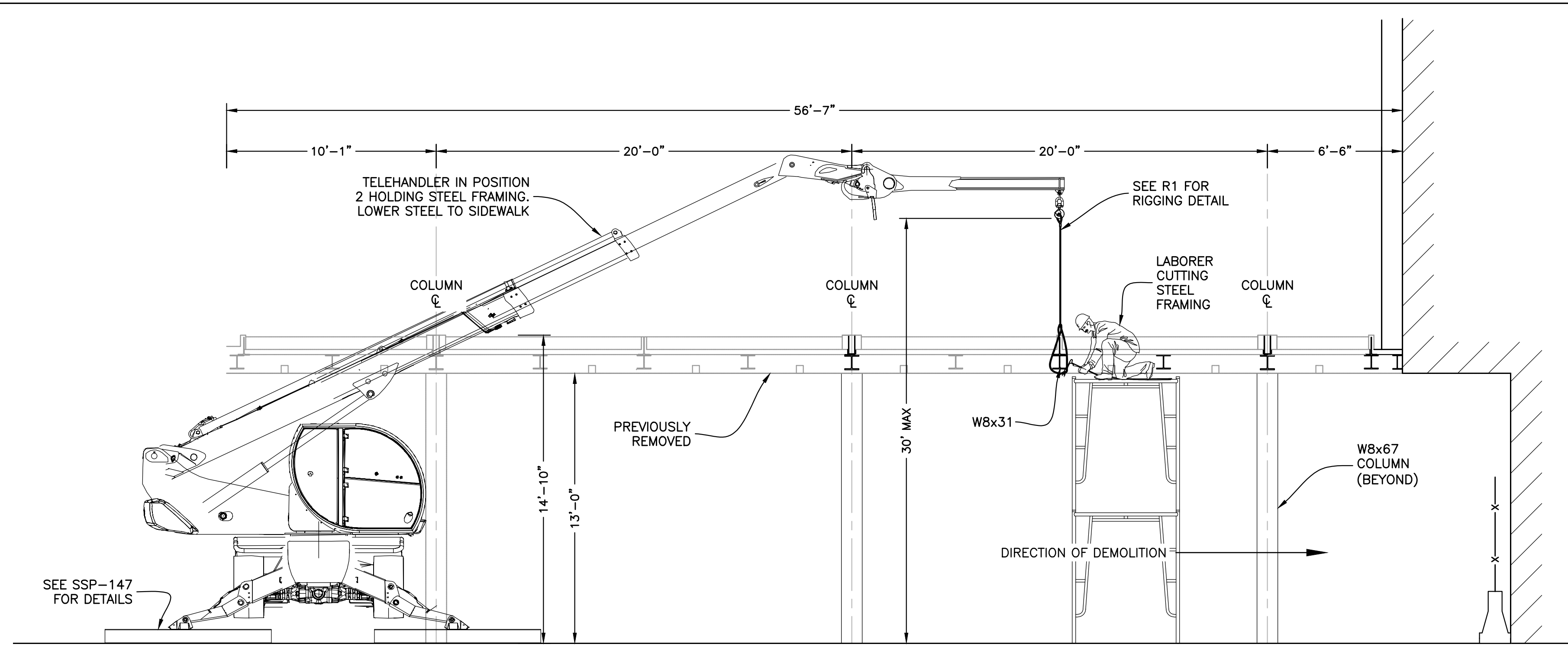
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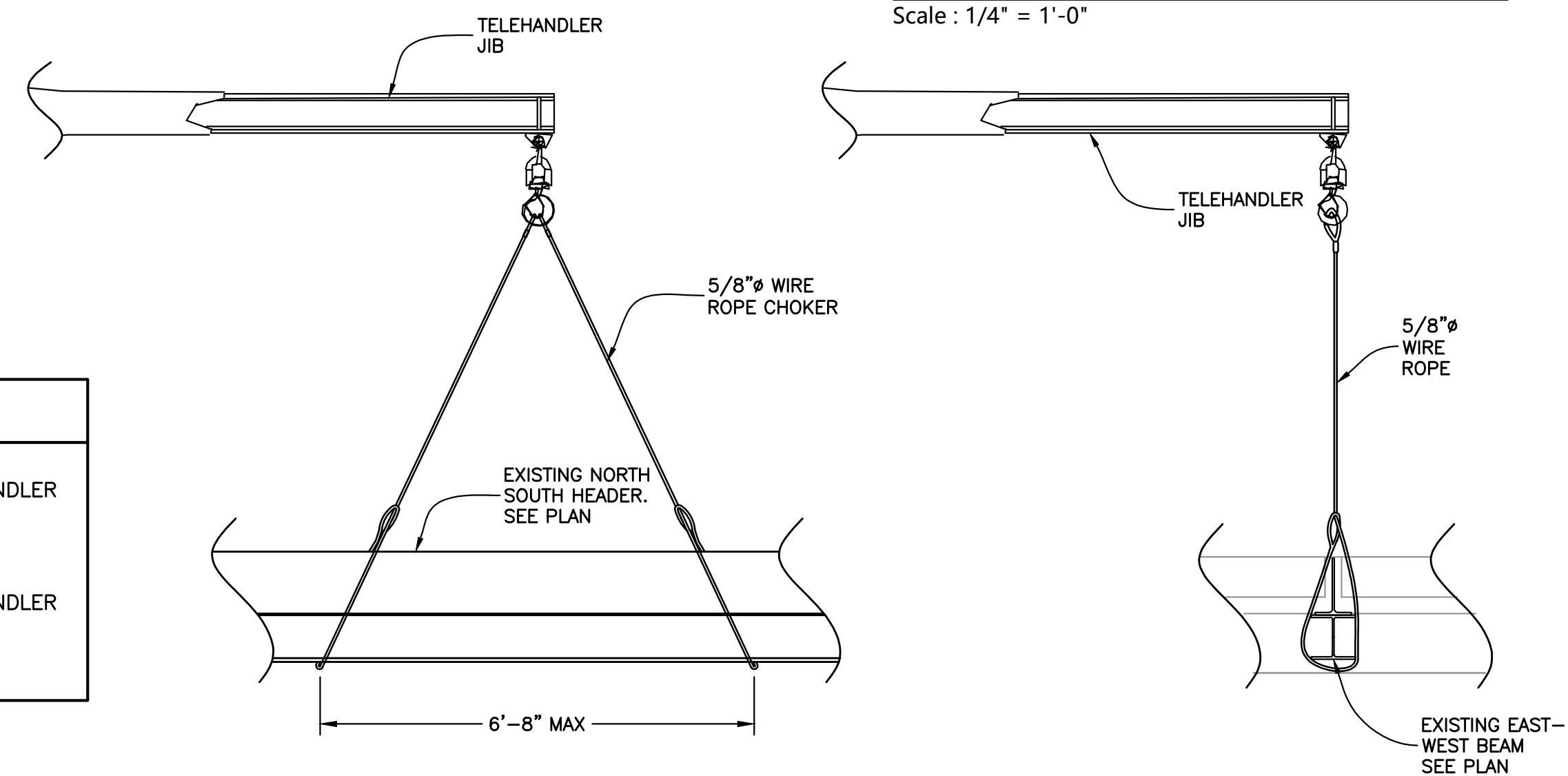
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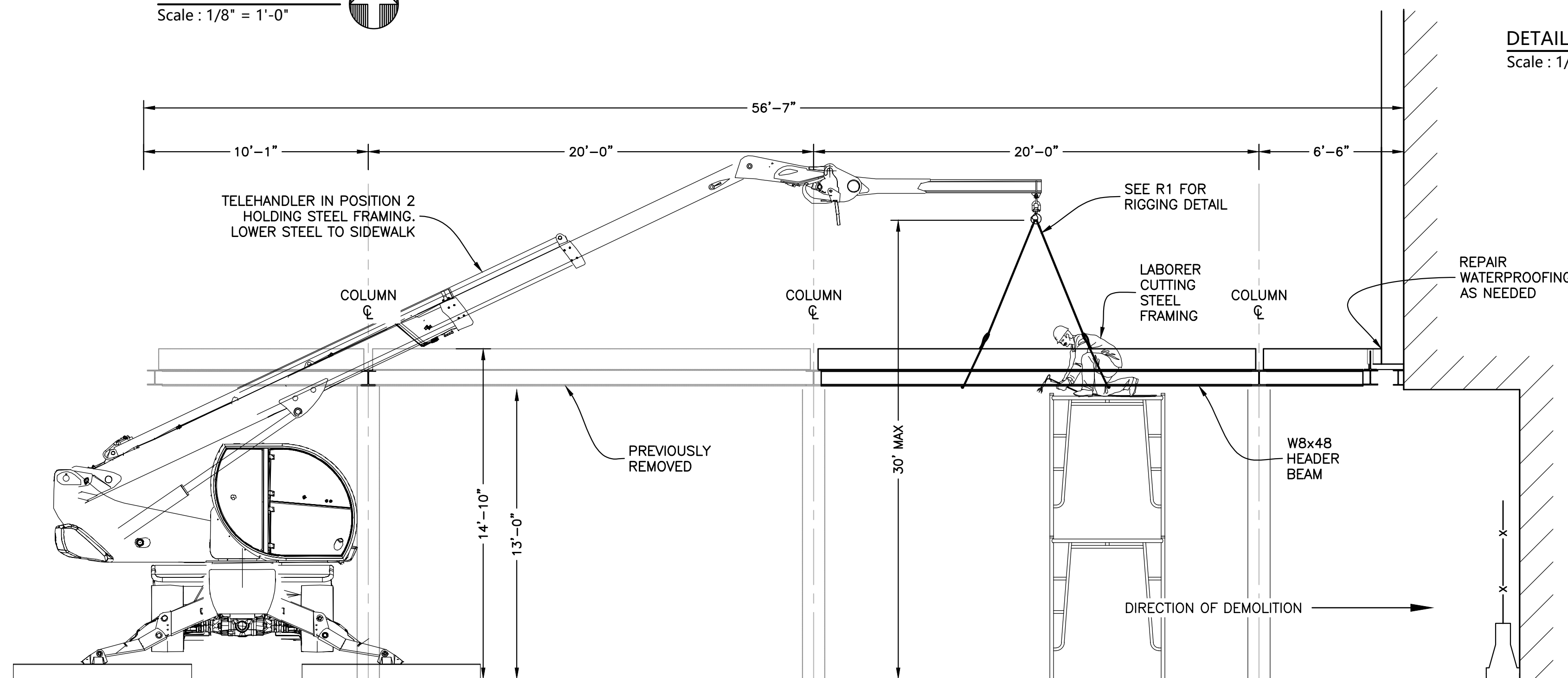
PARTIAL PLAN VIEW
Scale : 1/8" = 1'-0"



SECTION A-A AS DEMOLITION PROGRESSES
Scale : 1/4" = 1'-0"



DETAIL R1 - RIGGING DETAIL
Scale : 1/2" = 1'-0"



SECTION B-B AS DEMOLITION PROGRESSES
Scale : 3/16" = 1'-0"

CANOPY REMOVAL SEQUENCE

STARTING WITH TELEHANDLER IN POSITION 2, WORKING FROM NORTH TO SOUTH ONE BAY AT A TIME:

1. REMOVE INTERMEDIATE W8x31 BEAMS SPANNING THE EAST WEST DIRECTION. (BEAMS BETWEEN COLUMNS TO REMAIN)
2. DEMOLISH W8x48 WITH WT'S SPANNING THE NORTH SOUTH DIRECTION.
3. DEMOLITION W8x48 WITH WT'S IN THE EAST WEST DIRECTION IN BETWEEN COLUMNS.
4. DEMOLISH FREE STANDING COLUMNS.

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TITLE

PHASE 1 - SEQUENCE 4
DEMOLITION OF BREEZEWAY CANOPY FRAMING
POSITION 2

SEAL & SIGNATURE

John Young, RA
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018

PROJECT NO: 18211.00.00

ENGINEER: JS

SCALE: AS NOTED

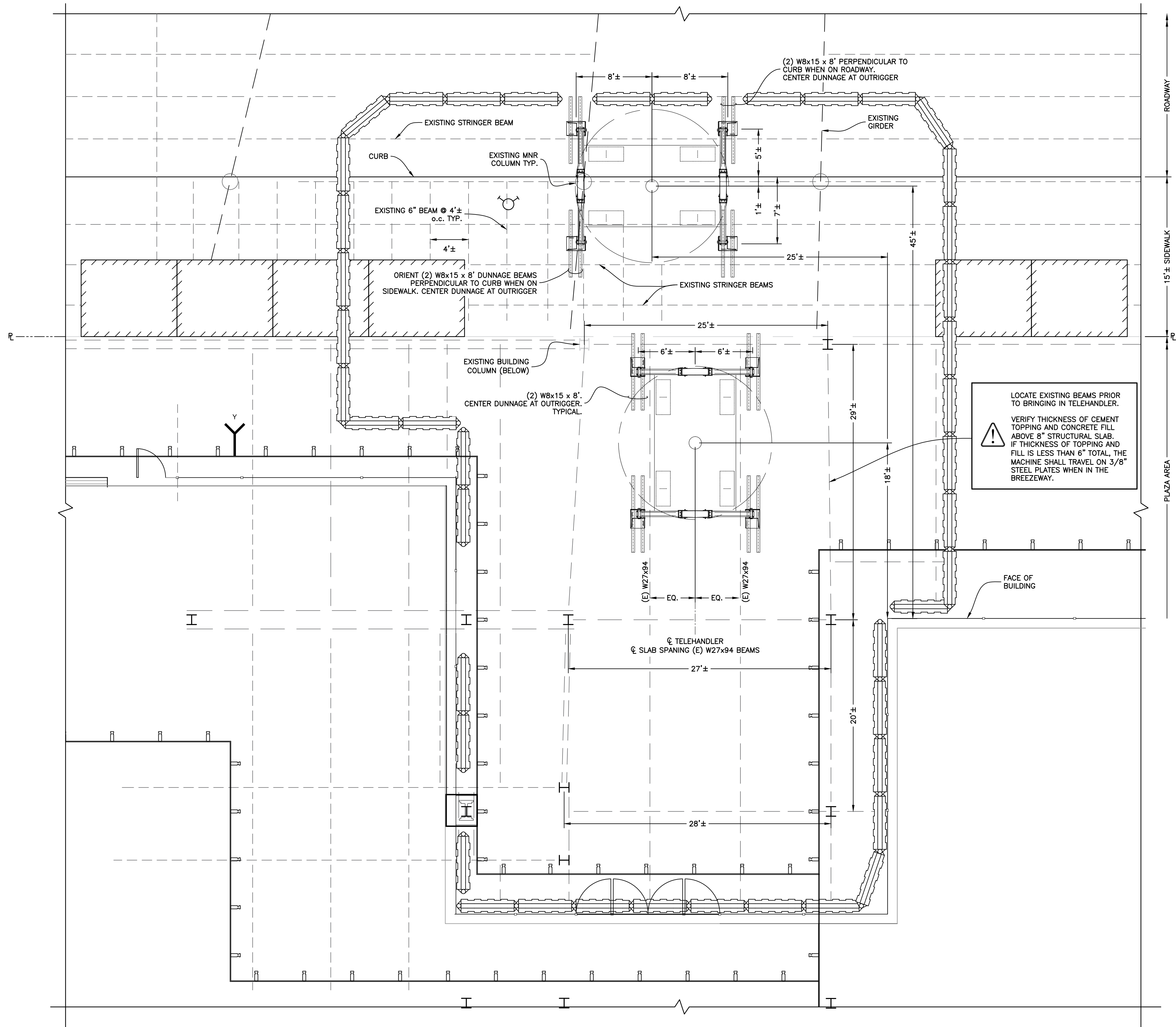
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SSP-146.00

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NOTE :

1. PROVIDE TIMBER SHIMS TO INFILL ANY GAPS IN THE EVENT THE BEAMS DO NOT LIE FLAT AND IN FULL CONTACT WITH THE SLAB.
2. TELEHANDLER CRIBBING SHOWN AT NORTH BREEZEWAY, THE SOUTH BREEZEWAY IS SIMILAR.

LOCATE EXISTING BEAMS PRIOR TO BRINGING IN TELEHANDLER.
VERIFY THICKNESS OF CEMENT TOPPING AND CONCRETE FILL ABOVE 8" STRUCTURAL SLAB. IF THICKNESS OF TOPPING AND FILL IS LESS THAN 6" TOTAL, THE MACHINE SHALL TRAVEL ON 3/8" STEEL PLATES WHEN IN THE BREEZEWAY.

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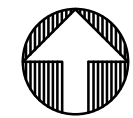
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ZONING INFORMATION
BLOCK: 12B3
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

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TITLE
PHASE 1 - SEQUENCE 4
DEMOLITION OF BREEZEWAY CANOPY FRAMING
TELEHANDLER CRIBBING DETAIL AT NORTH BREEZEWAY

SEAL & SIGNATURE
John Young, RA
BUILDINGS
APPROVED
07/11/2018
BEST SSP
DRAWING BY: KC **DATE:** 07/09/2018
PROJECT NO: 18211.00.00
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CHK BY: JS
DWG NO: SSP-147.00
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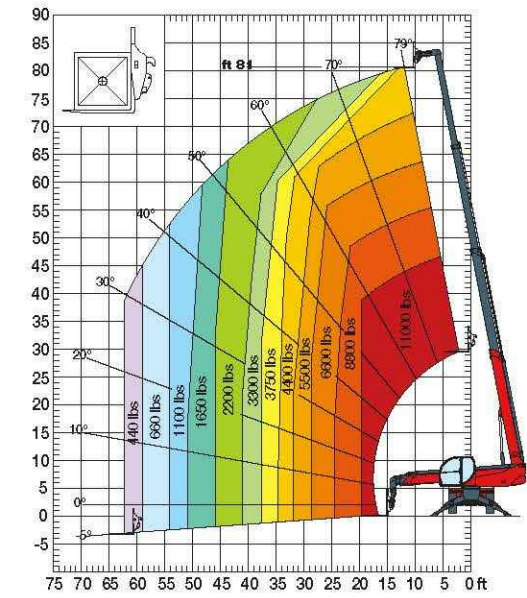
TELEHANDLER CRIBBING DETAIL AT NORTH BREEZEWAY
Scale : 3/16" = 1'-0"



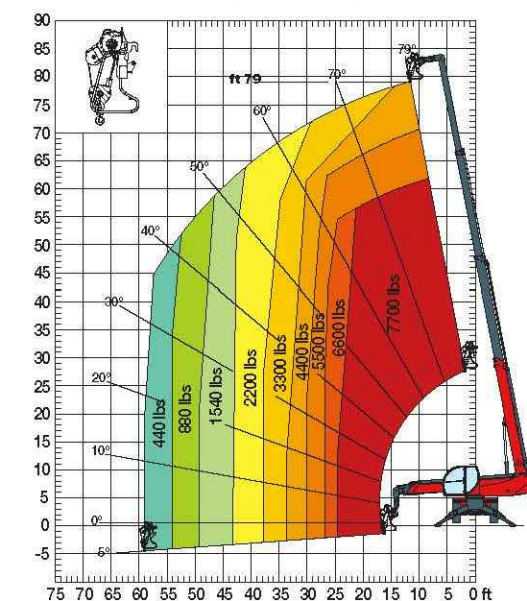
MACHINE MODEL	Rotating telescopic handler	RTH5.25 Smart	
	Maximum lifting capacity	11.000 lbs (Center of gravity 24 in)	
	Maximum lifting height	81 ft	
	Type	Booth TC 0 0 0 14 Stage II	Booth TC 0 0 0 14 Stage III
	Rated power	1100 HP - 13.4 HP at 2.000 rpm	500 HP - 1.34 HP at 2.000 rpm
	Maximum torque	500 Nm at 1.600 rpm	500 Nm at 1.600 rpm
	Displacement	3.6 l	3.6 l
	Cylinders	4 in line	4 in line
	Fuel	Direct direct injection turbocharged	Direct direct injection turbocharged
	Cooling system	Water - intercooler	Water - intercooler
ENGINE - JCB	Type	JCB 8700AC stage II	JCB 8700AC stage III
	Rated power	93 kW - 1.26 HP at 2.000 rpm	93 kW - 1.31 HP at 2.000 rpm
	Maximum torque	550 Nm at 1.500 rpm	550 Nm at 1.500 rpm
	Displacement	4.399	4.399
	Cylinders	4	4
TRANSMISSION	Type	Hydrostatic	Hydrostatic
	Maximum pressure	500 bar	500 bar
	Displacement	Variable displacement pump electronically controlled Variable displacement motor	Variable displacement pump electronically controlled Variable displacement motor
AXLES AND B RACES	Over box	2 speed forward/reverse	2 speed forward/reverse
	Type	Index with hydraulic reduction gear	Index with hydraulic reduction gear
	Over side	Swinging and steering with hydraulic lock	Swinging and steering with hydraulic lock
	Front side	Oscillating and steering with automatic leveling +/- 10°	Oscillating and steering with automatic leveling +/- 10°
	Service brake	Hydraulically actuated, oil immersed multi disc type on each side	Hydraulically actuated, oil immersed multi disc type on each side
PERFORMANCE	Parking brake	Hydraulic with negative action	Hydraulic with negative action
	Dimensions	445,65 x 2,25	445,65 x 2,25
	Max travel speed	25 mph	25 mph
WEIGHTS	Drawbar pull	66 kN	66 kN
	Stability	41%	41%
	Turning radius (end of fork)	252,4 in	252,4 in
TANK CAPACITIES	Total volume	17,988 lbs	17,988 lbs
	Front side (when down retracted and lowered)	16,735 lbs	16,735 lbs
	Rear side (when down retracted and lowered)	21,240 lbs	21,240 lbs
	Front tank	47 US gal	47 US gal
	Hydraulic oil tank	43,5 US gal	43,5 US gal
HYDRAULIC CIRCUIT	Engine oil tank	2 US gal	2 US gal
	Cooling liquid	6 US gal	6 US gal
	Max operating system pressure	350 bar	350 bar
	Circuit type	Load sensing	Load sensing
	Service pump	Booth Research - Variable displacement	Booth Research - Variable displacement
CONFORMITY TO STANDARDS	Control for boom and counter moment	Control - Electromechanical valve SL 2	Control - Electromechanical valve SL 2
	Control for stabilizers	Booth Research - Electromechanical control	Booth Research - Electromechanical control
	Automatic control	2 joystick Control with two shafts with dead man safety device - Management with CAN bus technology	2 joystick Control with two shafts with dead man safety device - Management with CAN bus technology



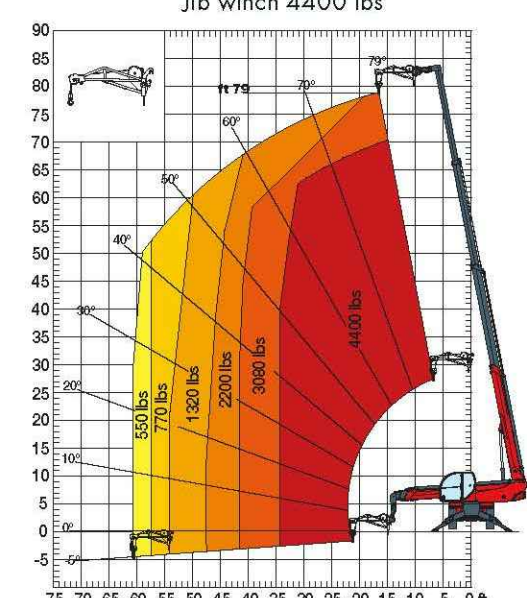
360° fully extended stabilizers load chart with forks



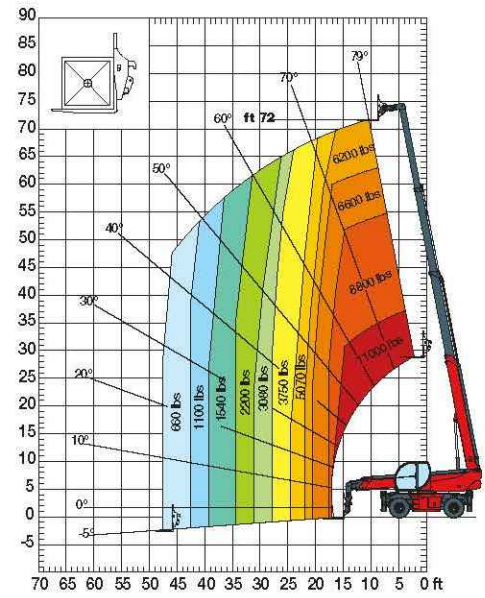
W 3,5
Winch 7700 lbs



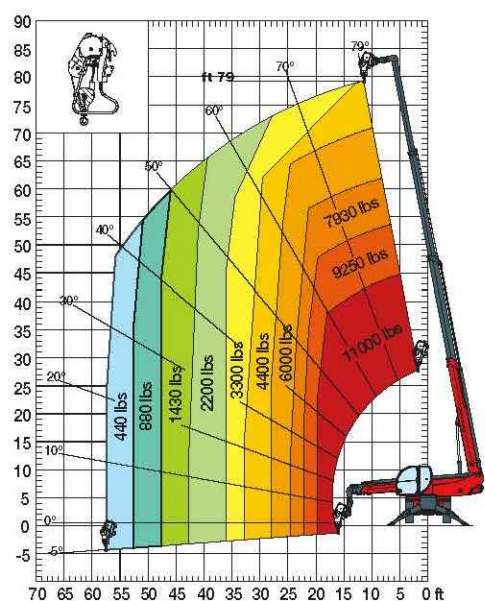
JW 2000
Jib winch 4400 lbs



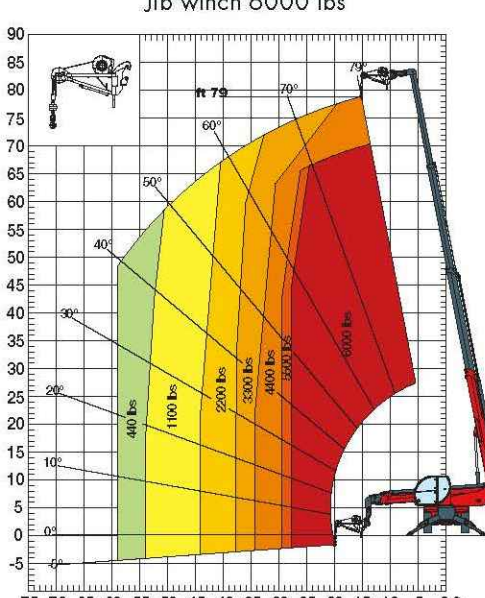
Frontal position load chart on tyres with forks



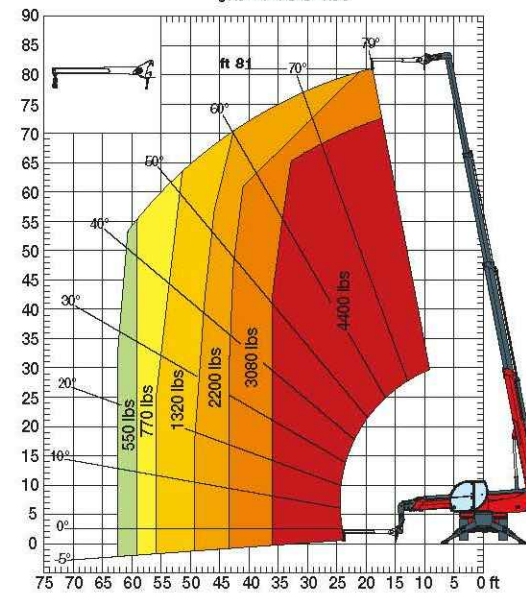
W 5
Winch 11000 lbs



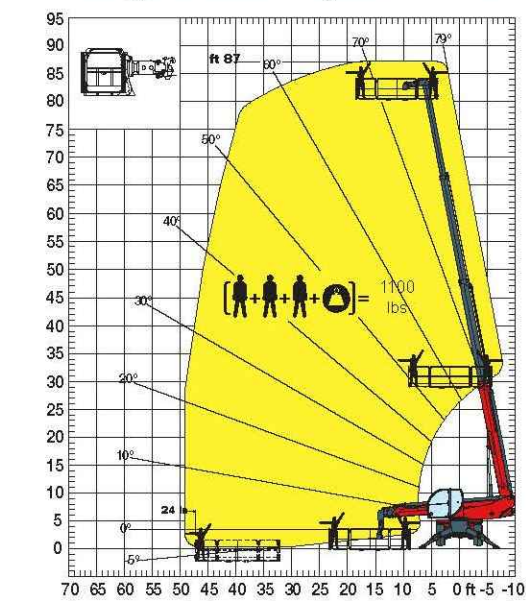
JW 2700
Jib winch 6000 lbs



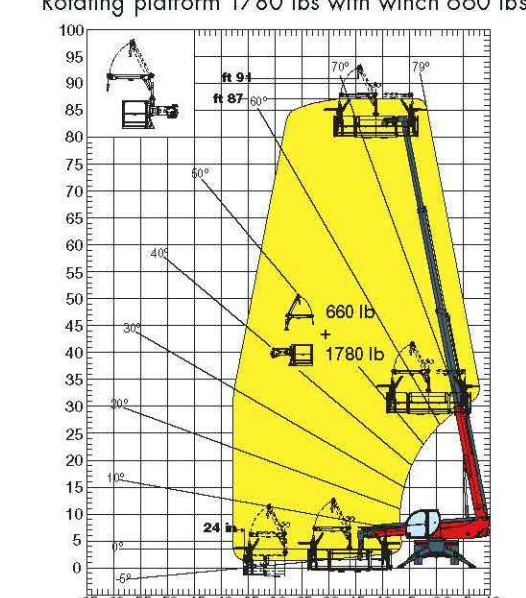
J 2000
Jib 4400 lbs



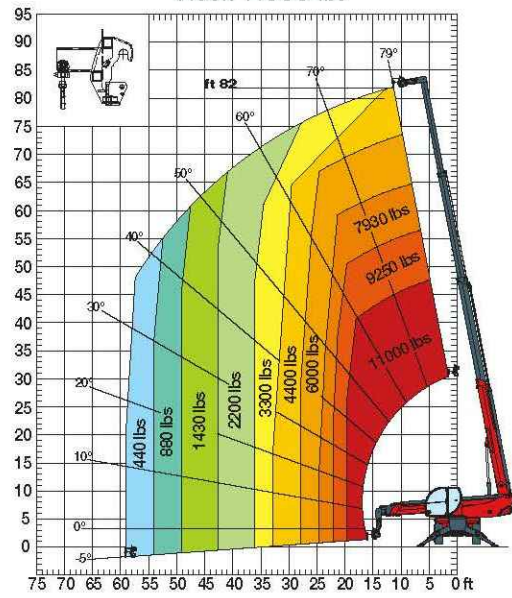
REP 2-4,5
Rotating extendable man platform 1100 lbs



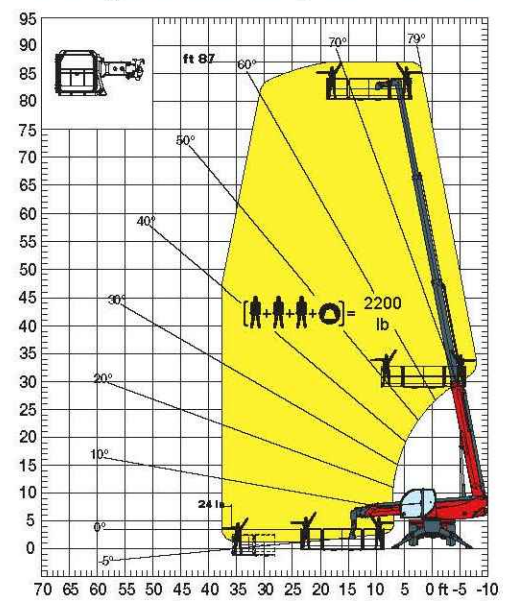
REP 8.2-4.7 W0.3
Rotating platform 1780 lbs with winch 660 lbs



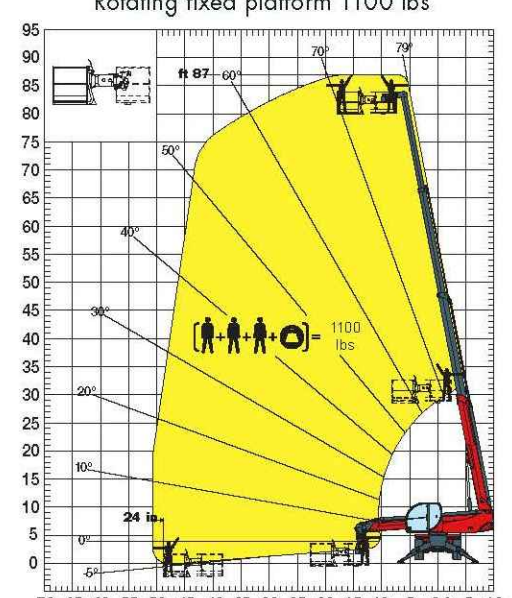
H 5
Hook 11000 lbs



REP 10.2-4,7
Rotating extendable man platform 2200 lbs



REP 2.2
Rotating fixed platform 1100 lbs



HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.

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TISHMAN CONSTRUCTION COMPANY
111 BROADWAY, SUITE 603
NEW YORK, NY 10006

PROJECT

SITE SAFETY PLAN FOR
DEMOLITION OPERATIONS AT
270 PARK AVENUE, MANHATTAN, NY

ZONING INFORMATION

BLOCK: 1283
LOT: 21
ZONE: C5-3
ZONING MAP: 8D
COMMUNITY BOARD: 105
BIN #: 1035421

PLACE STICKER HERE

TITLE

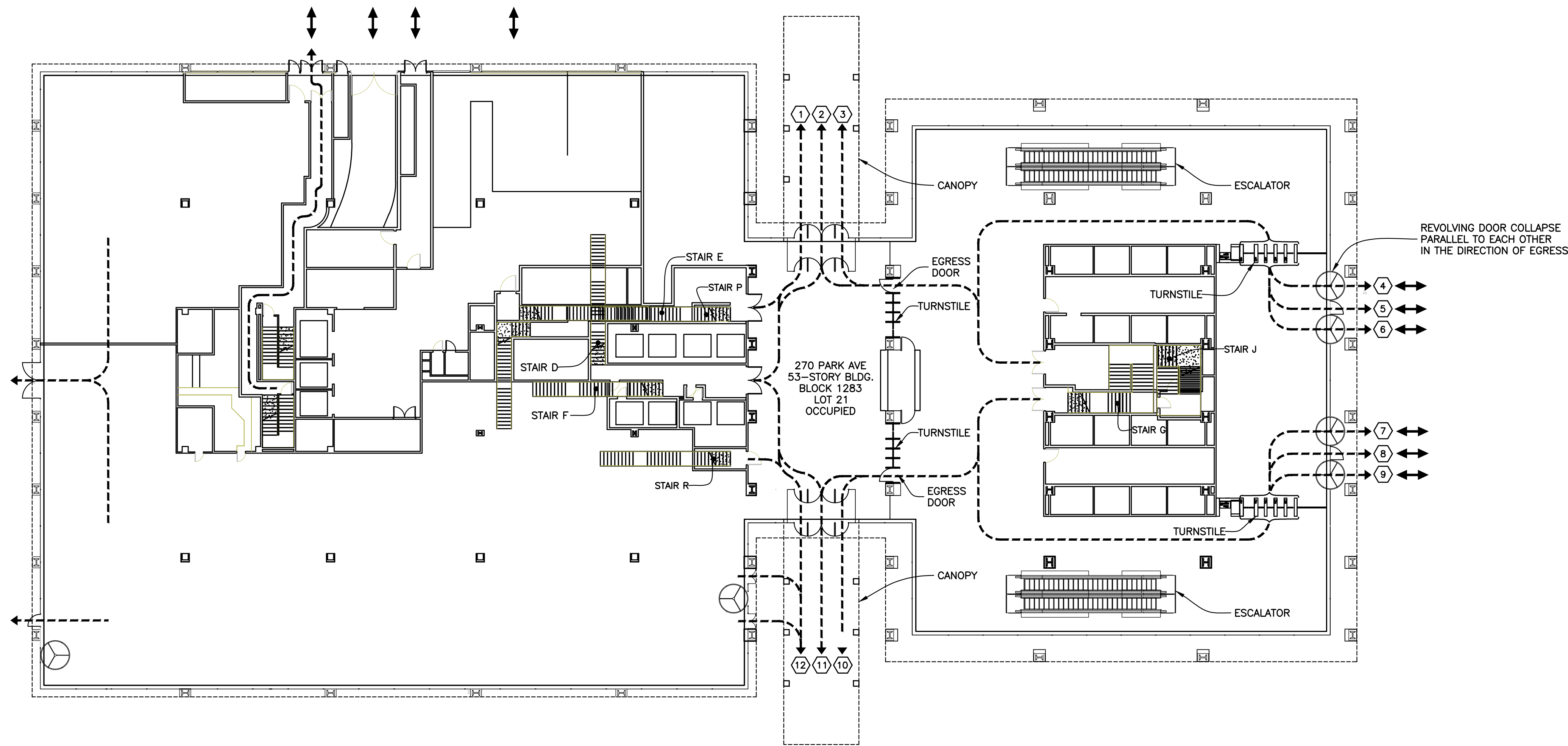
MECHANICAL EQUIPMENT CUT SHEET

SEAL & SIGNATURE

John Young, RA
BUILDINGS
APPROVED
07/11/2018
BEST SSP

DRAWING BY: KC DATE: 07/09/2018
PROJECT NO: 18211.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS
DWG NO: SSP-148.00

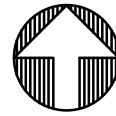
V:18211.00.00 35 OF 36



CAPACITY OF EXIT STAIRS	
STAIR	CAPACITY
EXIT STAIR J	180
EXIT STAIR G	180
EXIT STAIR R	120
EXIT STAIR D & F	240
EXIT STAIR P	120
EXIT STAIR E	120
TOTAL OCCUPANT CAPACITY	960

SITE PLAN & STAIR EGRESS AT GROUND FLOOR

Scale : 1" = 20'-0"



EXIT STAIR	P	TOTAL OCCUPANT CAPCITY	120
STAIR WIDTH:	49" = 2 UNITS		
STAIR CAPACITY:	2 x 60	PEOPLE / UNITS:	120 PEOPLE
DOOR WIDTH:	36" = 1.5 UNITS		
DOOR CAPACITY:	1.5 x 80	PEOPLE / UNITS:	120 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIR	E	TOTAL OCCUPANT CAPCITY	120
STAIR WIDTH:	49" = 2 UNITS		
STAIR CAPACITY:	2 x 60	PEOPLE / UNITS:	120 PEOPLE
DOOR WIDTH:	36" = 1.5 UNITS		
DOOR CAPACITY:	1.5 x 80	PEOPLE / UNITS:	120 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIR	J	TOTAL OCCUPANT CAPCITY	120
STAIR WIDTH:	68" = 3 UNITS		
STAIR CAPACITY:	3 x 60	PEOPLE / UNITS:	180 PEOPLE
DOOR WIDTH:	36" = 1.5 UNITS		
DOOR CAPACITY:	1.5 x 80	PEOPLE / UNITS:	120 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIR	F & D	TOTAL OCCUPANT CAPCITY	270
STAIR WIDTH:	58" & 50" = 4.5 (2.5 + 2) UNITS		
STAIR CAPACITY:	4.5 x 60	PEOPLE / UNITS:	270 PEOPLE
DOOR WIDTH:	72" = 3 UNITS		
DOOR CAPACITY:	3 x 80	PEOPLE / UNITS:	240 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIR	R	TOTAL OCCUPANT CAPCITY	120
STAIR WIDTH:	49" = 2 UNITS		
STAIR CAPACITY:	2 x 60	PEOPLE / UNITS:	120 PEOPLE
DOOR WIDTH:	36" = 1.5 UNITS		
DOOR CAPACITY:	1.5 x 80	PEOPLE / UNITS:	120 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIR	G	TOTAL OCCUPANT CAPCITY	180
STAIR WIDTH:	68.5" = 3 UNITS		
STAIR CAPACITY:	3 x 60	PEOPLE / UNITS:	180 PEOPLE
DOOR WIDTH:	67.5" = 3 UNITS		
DOOR CAPACITY:	3 x 80	PEOPLE / UNITS:	240 PEOPLE
REFERENCE TABLE:	TABLE 6-1		

EXIT STAIRS DISCHARGING INTO GROUND FLOOR BREEZEWAY																			
MADISON AVENUE (CHASE BANK BUILDING)										PARK AVENUE (TOWER BUILDING)									
STAIR CAPACITY					STAIR DOOR CAPACITY					STAIR CAPACITY					STAIR DOOR CAPACITY				
	WIDTH (INCHES)	UNITS OF WIDTH	PERSONS PER UNITS	NUMBER OF PERSONS	WIDTH (INCHES)	UNITS OF WIDTH	PERSONS PER UNITS	NUMBER OF PERSONS	TOTAL CAPACITY		WIDTH (INCHES)	UNITS OF WIDTH	PERSONS PER UNITS	NUMBER OF PERSONS	WIDTH (INCHES)	UNITS OF WIDTH	PERSONS PER UNITS	NUMBER OF PERSONS	TOTAL CAPACITY
EXIT STAIR E	49"	2.0	60	120	36"	1.5	80	120	120	EXIT STAIR J	68"	3.0	60	180	67.5"	3.0	80	240	180
EXIT STAIR P	49"	2.0	60	120	36"	1.5	80	120	120	EXIT STAIR G	68.5"	3.0	60	180	67.5"	3.0	80	240	180
EXIT STAIR F	58"	2.5	60	150	72"	3.0	80	240	240	TOTAL ('TOWER' BUILDING)									360
EXIT STAIR D	50"	2.0	60	120															
EXIT STAIR R	49"	2.0	60	120	36"	1.5	80	120	120										
					TOTAL ('CHASE BANK' BUILDING)					600									

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AT GROUND FLOOR

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Buildings
APPROVED
07/11/2018
BEST SSP

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V:2018\18211.00.00 36 OF 36