

REPORT- BEPS Building Energy Performance

WEATHER FILE- New York CityNY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY MBTU	246.3	106.1	92.1	135.4	778.0	51.3	660.9	3511.1	971.0	0.0	179.3	519.8	7251.2
EM2- ELECTRICITY MBTU	8229.9	11325.2	8225.9	1.0	7072.2	0.0	0.0	2345.3	0.0	0.0	0.0	0.0	37199.4
EM3- ELECTRICITY MBTU	3744.4	4.0	1352.4	15.4	5993.5	0.0	0.0	424.8	0.0	0.0	0.0	0.0	11534.7
DM1 ELECTRICITY MBTU	0.0	0.0	2352.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2352.4
EM4 ELECTRICITY MBTU	0.0	0.0	0.0	0.0	0.0	0.0	108.7	0.0	0.0	0.0	0.0	0.0	108.7
EM5 ELECTRICITY MBTU	0.0	0.0	0.0	0.0	0.0	0.0	10193.3	0.0	0.0	0.0	0.0	0.0	10193.3
FM1 NATURAL-GAS MBTU	480.8	209.5	1907.0	10660.0	966.4	64.2	1107.2	7483.2	1609.4	0.0	327.0	1359.6	26174.3
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
MBTU	12701.4	11644.8	13929.9	10811.8	14810.2	115.4	12070.1	13764.5	2580.4	0.0	506.3	1879.4	94814.1

TOTAL SITE ENERGY 94814.09 MBTU 87.2 KBTU/SQFT-YR GROSS-AREA 87.2 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 232093.78 MBTU 213.5 KBTU/SQFT-YR GROSS-AREA 213.5 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 2.75
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.00
HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE = 48
HOURS ANY ZONE BELOW HEATING THROTTLING RANGE = 193

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

REPORT- BEPU Building Utility Performance

WEATHER FILE- New York CityNY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY KWH	72154.	31073.	26996.	39667.	227962.	15017.	193640.	1028753.	284492.	0.	52540.	152303.	2124596.
EM2- ELECTRICITY KWH	2411364.	3318276.	2410197.	295.	2072146.	0.	0.	687171.	0.	0.	0.	0.	10899434.
EM3- ELECTRICITY KWH	1097120.	1186.	396253.	4522.	1756104.	0.	0.	124473.	0.	0.	0.	0.	3379659.
DM1 ELECTRICITY KWH	0.	0.	689267.	0.	0.	0.	0.	0.	0.	0.	0.	0.	689267.
EM4 ELECTRICITY KWH	0.	0.	0.	0.	0.	0.	31843.	0.	0.	0.	0.	0.	31843.
EM5 ELECTRICITY KWH	0.	0.	0.	0.	0.	0.	2986645.	0.	0.	0.	0.	0.	2986645.
FM1 NATURAL-GAS THERM	4808.	2095.	19070.	106600.	9664.	642.	11072.	74832.	16094.	0.	3270.	13596.	261743.

TOTAL ELECTRICITY	20111440. KWH	18.503 KWH	/SQFT-YR GROSS-AREA	18.503 KWH	/SQFT-YR NET-AREA
TOTAL NATURAL-GAS	261743. THERM	0.241 THERM	/SQFT-YR GROSS-AREA	0.241 THERM	/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE	=	2.75
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED	=	0.00
HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE	=	48
HOURS ANY ZONE BELOW HEATING THROTTLING RANGE	=	193

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

REPORT- ES-D Energy Cost Summary

WEATHER FILE- New York CityNY TMY2

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	RATE USED ALL YEAR?
ConEd SC9	ELECTRICITY	EM1 EM2- EM4 EM5	16042547. KWH	3303072.	0.2059	YES
Gas Rate ConEd SC3	NATURAL-GAS	FM1	261743. THERM	278988.	1.0659	YES
ConEd SC1-Rate I	ELECTRICITY	EM3-	3379659. KWH	727305.	0.2152	YES
				=====		
				4309364.		
ENERGY COST/GROSS BLDG AREA:				3.96		
ENERGY COST/NET BLDG AREA:				3.96		

in space: SC2Core Spc (B.C10)

in space: CSW Perim Spc (B.SW5)

in space: GNNE Perim Spc (G.NNE15)

REPORT- LV-D Details of Exterior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE	- - - W I N D O W S - - -		- - - - W A L L - - - -		- W A L L + W I N D O W S -		AZIMUTH
	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	
GFlr (G.C16.U16)	0.000	0.00	0.010	4376.04	0.010	4376.04	UNDERGRND
in space: GCore Spc (G.C16)							
GFlr (G.C17.U17)	0.000	0.00	0.010	7621.67	0.010	7621.67	UNDERGRND
in space: GCore Spc (G.C17)							

REPORT- LV-D Details of Exterior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.434	0.090	0.266	96180.20	91631.52	187811.78
EAST	0.366	0.077	0.174	51544.73	101708.23	153253.00
SOUTH-EAST	0.000	0.049	0.049	0.00	390.40	390.40
SOUTH	0.452	0.081	0.212	65211.34	119552.14	184763.47
SOUTH-WEST	1.032	0.049	0.466	2844.99	3855.69	6700.68
WEST	0.393	0.062	0.168	55306.98	117088.98	172395.97
ROOF	0.000	0.047	0.047	0.00	12871.30	12871.30
ALL WALLS	0.423	0.077	0.210	271088.28	434227.22	705315.81
WALLS+ROOFS	0.423	0.076	0.207	271088.28	447098.50	718187.13
UNDERGRND	0.000	0.040	0.040	0.00	198357.05	198357.05
BUILDING	0.423	0.065	0.171	271088.28	645455.63	916544.13

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

ADJACENT SPACES		
SURFACE NAME	SPACE-1	SPACE-2
2026Ceiling (T.E34.I137)	2026East Perim Spc (T.E34)	2026Plnm (T.42)
2026Flr (T.WNW35.I138)	2026WNW Perim Spc (T.WNW35)	2026Plnm (M.28)
2026Ceiling (T.WNW35.I139)	2026WNW Perim Spc (T.WNW35)	2026Plnm (T.42)
2026Flr (T.NNE36.I140)	2026NNE Perim Spc (T.NNE36)	2026Plnm (M.28)
2026ESE Wall (T.NNE36.I141)	2026NNE Perim Spc (T.NNE36)	2026East Perim Spc (T.E34)
2026WNW Wall (T.NNE36.I142)	2026NNE Perim Spc (T.NNE36)	2026WNW Perim Spc (T.WNW35)
2026Ceiling (T.NNE36.I143)	2026NNE Perim Spc (T.NNE36)	2026Plnm (T.42)
2026Flr (T.WNW37.I144)	2026WNW Perim Spc (T.WNW37)	2026Plnm (M.28)
2026SSW Wall (T.WNW37.I145)	2026WNW Perim Spc (T.WNW37)	2026SSW Perim Spc (T.SSW40)
2026NNE Wall (T.WNW37.I146)	2026WNW Perim Spc (T.WNW37)	2026Core Spc (T.C29)
2026ESE Wall (T.WNW37.I147)	2026WNW Perim Spc (T.WNW37)	2026Core Spc (T.C29)
2026NNE Wall (T.WNW37.I148)	2026WNW Perim Spc (T.WNW37)	2026NNE Perim Spc (T.NNE36)
2026Ceiling (T.WNW37.I149)	2026WNW Perim Spc (T.WNW37)	2026Plnm (T.42)
2026Flr (T.ESE38.I150)	2026ESE Perim Spc (T.ESE38)	2026Plnm (M.28)
2026NNE Wall (T.ESE38.I151)	2026ESE Perim Spc (T.ESE38)	2026East Perim Spc (T.E34)
2026SSW Wall (T.ESE38.I152)	2026ESE Perim Spc (T.ESE38)	2026South Perim Spc (T.S41)
2026Ceiling (T.ESE38.I153)	2026ESE Perim Spc (T.ESE38)	2026Plnm (T.42)
2026Flr (T.SW39.I154)	2026SW Perim Spc (T.SW39)	2026Plnm (M.28)
2026NNE Wall (T.SW39.I155)	2026SW Perim Spc (T.SW39)	2026WNW Perim Spc (T.WNW37)
2026Ceiling (T.SW39.I156)	2026SW Perim Spc (T.SW39)	2026Plnm (T.42)
2026Flr (T.SSW40.I157)	2026SSW Perim Spc (T.SSW40)	2026Plnm (M.28)
2026ESE Wall (T.SSW40.I158)	2026SSW Perim Spc (T.SSW40)	2026South Perim Spc (T.S41)
2026WNW Wall (T.SSW40.I159)	2026SSW Perim Spc (T.SSW40)	2026SW Perim Spc (T.SW39)
2026Ceiling (T.SSW40.I160)	2026SSW Perim Spc (T.SSW40)	2026Plnm (T.42)
2026Flr (T.S41.I161)	2026South Perim Spc (T.S41)	2026Plnm (M.28)
2026Ceiling (T.S41.I162)	2026South Perim Spc (T.S41)	2026Plnm (T.42)
27MCF1r (G.C1.I1)	27MCCore Spc (G.C1)	
27MCESE Wall (G.C1.I2)	27MCCore Spc (G.C1)	27MCCore Spc (G.C2)
27MCNNE Wall (G.C1.I3)	27MCCore Spc (G.C1)	27MCNNE Perim Spc (G.NNE8)
27MCF1r (G.C2.I4)	27MCCore Spc (G.C2)	
27MCNNE Wall (G.C2.I5)	27MCCore Spc (G.C2)	27MCNNE Perim Spc (G.NNE8)
27MCF1r (G.C3.I6)	27MCCore Spc (G.C3)	
27MCSSW Wall (G.C3.I7)	27MCCore Spc (G.C3)	27MCSSW Perim Spc (G.SSW12)
27MCWNW Wall (G.C3.I8)	27MCCore Spc (G.C3)	27MCWNW Perim Spc (G.WNW9)
27MCF1r (G.C4.I9)	27MCCore Spc (G.C4)	
27MCSSW Wall (G.C4.I10)	27MCCore Spc (G.C4)	27MCSSW Perim Spc (G.SSW12)
27MCESE Wall (G.C4.I11)	27MCCore Spc (G.C4)	27MCESE Perim Spc (G.ESE10)
27MCF1r (G.C5.I12)	27MCCore Spc (G.C5)	
27MCSSW Wall (G.C5.I13)	27MCCore Spc (G.C5)	27MCCore Spc (G.C3)
27MCWNW Wall (G.C5.I14)	27MCCore Spc (G.C5)	27MCCore Spc (G.C3)
27MCSSW Wall (G.C5.I15)	27MCCore Spc (G.C5)	27MCSSW Perim Spc (G.SSW12)
27MCESE Wall (G.C5.I16)	27MCCore Spc (G.C5)	27MCCore Spc (G.C4)
27MCSSW Wall (G.C5.I17)	27MCCore Spc (G.C5)	27MCCore Spc (G.C4)
27MCESE Wall (G.C5.I18)	27MCCore Spc (G.C5)	27MCESE Perim Spc (G.ESE10)
27MCNNE Wall (G.C5.I19)	27MCCore Spc (G.C5)	27MCNNE Perim Spc (G.NNE8)
27MCWNW Wall (G.C5.I20)	27MCCore Spc (G.C5)	27MCCore Spc (G.C2)
27MCNNE Wall (G.C5.I21)	27MCCore Spc (G.C5)	27MCCore Spc (G.C2)
27MCWNW Wall (G.C5.I22)	27MCCore Spc (G.C5)	27MCWNW Perim Spc (G.WNW9)
27MCF1r (G.E6.I23)	27MCEast Perim Spc (G.E6)	
27MCF1r (G.WNW7.I24)	27MCWNW Perim Spc (G.WNW7)	
27MCF1r (G.NNE8.I25)	27MCNNE Perim Spc (G.NNE8)	
27MCESE Wall (G.NNE8.I26)	27MCNNE Perim Spc (G.NNE8)	27MCEast Perim Spc (G.E6)
27MCWNW Wall (G.NNE8.I27)	27MCNNE Perim Spc (G.NNE8)	27MCWNW Perim Spc (G.WNW7)
27MCF1r (G.WNW9.I28)	27MCWNW Perim Spc (G.WNW9)	

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
27MCSSW Wall (G.WNW9.I29)	27MCWNW Perim Spc (G.WNW9)	27MCSSW Perim Spc (G.SSW12)
27MCNNE Wall (G.WNW9.I30)	27MCWNW Perim Spc (G.WNW9)	27MCCore Spc (G.C1)
27MCESE Wall (G.WNW9.I31)	27MCWNW Perim Spc (G.WNW9)	27MCCore Spc (G.C1)
27MCNNE Wall (G.WNW9.I32)	27MCWNW Perim Spc (G.WNW9)	27MCNNE Perim Spc (G.NNE8)
27MCFIrr (G.ESE10.I33)	27MCESE Perim Spc (G.ESE10)	
27MCNNE Wall (G.ESE10.I34)	27MCESE Perim Spc (G.ESE10)	27MCEast Perim Spc (G.E6)
27MCSSW Wall (G.ESE10.I35)	27MCESE Perim Spc (G.ESE10)	27MCSouth Perim Spc (G.S13)
27MCFIrr (G.SW11.I36)	27MCSW Perim Spc (G.SW11)	
27MCNNE Wall (G.SW11.I37)	27MCSW Perim Spc (G.SW11)	27MCWNW Perim Spc (G.WNW9)
27MCFIrr (G.SSW12.I38)	27MCSSW Perim Spc (G.SSW12)	
27MCESE Wall (G.SSW12.I39)	27MCSSW Perim Spc (G.SSW12)	27MCSouth Perim Spc (G.S13)
27MCWNW Wall (G.SSW12.I40)	27MCSSW Perim Spc (G.SSW12)	27MCSW Perim Spc (G.SW11)
27MCFIrr (G.S13.I41)	27MCSouth Perim Spc (G.S13)	
28F1rr (G.C1.I1)	28Core Spc (G.C1)	
28NNE Wall (G.C1.I2)	28Core Spc (G.C1)	28NNE Perim Spc (G.NNE6)
28WNW Wall (G.C1.I3)	28Core Spc (G.C1)	28WNW Perim Spc (G.WNW12)
28Ceiling (G.C1.I4)	28Core Spc (G.C1)	28Plnm (G.13)
28F1rr (G.C2.I5)	28Core Spc (G.C2)	
28SSW Wall (G.C2.I6)	28Core Spc (G.C2)	28SSW Perim Spc (G.SSW10)
28WNW Wall (G.C2.I7)	28Core Spc (G.C2)	28WNW Perim Spc (G.WNW12)
28Ceiling (G.C2.I8)	28Core Spc (G.C2)	28Plnm (G.13)
28F1rr (G.C3.I9)	28Core Spc (G.C3)	
28SSW Wall (G.C3.I10)	28Core Spc (G.C3)	28SSW Perim Spc (G.SSW10)
28ESE Wall (G.C3.I11)	28Core Spc (G.C3)	28ESE Perim Spc (G.ESE8)
28Ceiling (G.C3.I12)	28Core Spc (G.C3)	28Plnm (G.13)
28F1rr (G.C4.I13)	28Core Spc (G.C4)	
28SSW Wall (G.C4.I14)	28Core Spc (G.C4)	28Core Spc (G.C2)
28WNW Wall (G.C4.I15)	28Core Spc (G.C4)	28Core Spc (G.C2)
28SSW Wall (G.C4.I16)	28Core Spc (G.C4)	28SSW Perim Spc (G.SSW10)
28ESE Wall (G.C4.I17)	28Core Spc (G.C4)	28Core Spc (G.C3)
28SSW Wall (G.C4.I18)	28Core Spc (G.C4)	28Core Spc (G.C3)
28ESE Wall (G.C4.I19)	28Core Spc (G.C4)	28ESE Perim Spc (G.ESE8)
28NNE Wall (G.C4.I20)	28Core Spc (G.C4)	28NNE Perim Spc (G.NNE6)
28WNW Wall (G.C4.I21)	28Core Spc (G.C4)	28Core Spc (G.C1)
28NNE Wall (G.C4.I22)	28Core Spc (G.C4)	28Core Spc (G.C1)
28WNW Wall (G.C4.I23)	28Core Spc (G.C4)	28WNW Perim Spc (G.WNW12)
28Ceiling (G.C4.I24)	28Core Spc (G.C4)	28Plnm (G.13)
28F1rr (G.NNW5.I25)	28NNW Perim Spc (G.NNW5)	
28Ceiling (G.NNW5.I26)	28NNW Perim Spc (G.NNW5)	28Plnm (G.13)
28F1rr (G.NNE6.I27)	28NNE Perim Spc (G.NNE6)	
28WNW Wall (G.NNE6.I28)	28NNE Perim Spc (G.NNE6)	28NNW Perim Spc (G.NNW5)
28ESE Wall (G.NNE6.I29)	28NNE Perim Spc (G.NNE6)	28East Perim Spc (G.E7)
28Ceiling (G.NNE6.I30)	28NNE Perim Spc (G.NNE6)	28Plnm (G.13)
28F1rr (G.E7.I31)	28East Perim Spc (G.E7)	
28Ceiling (G.E7.I32)	28East Perim Spc (G.E7)	28Plnm (G.13)
28F1rr (G.ESE8.I33)	28ESE Perim Spc (G.ESE8)	
28NNE Wall (G.ESE8.I34)	28ESE Perim Spc (G.ESE8)	28East Perim Spc (G.E7)
28SSW Wall (G.ESE8.I35)	28ESE Perim Spc (G.ESE8)	28South Perim Spc (G.S9)
28Ceiling (G.ESE8.I36)	28ESE Perim Spc (G.ESE8)	28Plnm (G.13)
28F1rr (G.S9.I37)	28South Perim Spc (G.S9)	
28Ceiling (G.S9.I38)	28South Perim Spc (G.S9)	28Plnm (G.13)
28F1rr (G.SSW10.I39)	28SSW Perim Spc (G.SSW10)	
28ESE Wall (G.SSW10.I40)	28SSW Perim Spc (G.SSW10)	28South Perim Spc (G.S9)
28WNW Wall (G.SSW10.I41)	28SSW Perim Spc (G.SSW10)	28SW Perim Spc (G.SW11)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
28Ceiling (G.SSW10.I42)	28SSW Perim Spc (G.SSW10)	28Plnm (G.13)
28Flr (G.SW11.I43)	28SW Perim Spc (G.SW11)	
28Ceiling (G.SW11.I44)	28SW Perim Spc (G.SW11)	28Plnm (G.13)
28Flr (G.WNW12.I45)	28WNW Perim Spc (G.WNW12)	
28SSW Wall (G.WNW12.I46)	28WNW Perim Spc (G.WNW12)	28SW Perim Spc (G.SW11)
28NNE Wall (G.WNW12.I47)	28WNW Perim Spc (G.WNW12)	28NNW Perim Spc (G.NNW5)
28Ceiling (G.WNW12.I48)	28WNW Perim Spc (G.WNW12)	28Plnm (G.13)
2936Flr (M.C14.I49)	2936Core Spc (M.C14)	28Plnm (G.13)
2936NNE Wall (M.C14.I50)	2936Core Spc (M.C14)	2936NNE Perim Spc (M.NNE19)
2936WNW Wall (M.C14.I51)	2936Core Spc (M.C14)	2936WNW Perim Spc (M.WNW25)
2936Ceiling (M.C14.I52)	2936Core Spc (M.C14)	2936Plnm (M.26)
2936Flr (M.C15.I53)	2936Core Spc (M.C15)	28Plnm (G.13)
2936SSW Wall (M.C15.I54)	2936Core Spc (M.C15)	2936SSW Perim Spc (M.SSW23)
2936WNW Wall (M.C15.I55)	2936Core Spc (M.C15)	2936WNW Perim Spc (M.WNW25)
2936Ceiling (M.C15.I56)	2936Core Spc (M.C15)	2936Plnm (M.26)
2936Flr (M.C16.I57)	2936Core Spc (M.C16)	28Plnm (G.13)
2936SSW Wall (M.C16.I58)	2936Core Spc (M.C16)	2936SSW Perim Spc (M.SSW23)
2936ESE Wall (M.C16.I59)	2936Core Spc (M.C16)	2936ESE Perim Spc (M.ESE21)
2936Ceiling (M.C16.I60)	2936Core Spc (M.C16)	2936Plnm (M.26)
2936Flr (M.C17.I61)	2936Core Spc (M.C17)	28Plnm (G.13)
2936SSW Wall (M.C17.I62)	2936Core Spc (M.C17)	2936Core Spc (M.C15)
2936WNW Wall (M.C17.I63)	2936Core Spc (M.C17)	2936Core Spc (M.C15)
2936SSW Wall (M.C17.I64)	2936Core Spc (M.C17)	2936SSW Perim Spc (M.SSW23)
2936ESE Wall (M.C17.I65)	2936Core Spc (M.C17)	2936Core Spc (M.C16)
2936SSW Wall (M.C17.I66)	2936Core Spc (M.C17)	2936Core Spc (M.C16)
2936ESE Wall (M.C17.I67)	2936Core Spc (M.C17)	2936ESE Perim Spc (M.ESE21)
2936NNE Wall (M.C17.I68)	2936Core Spc (M.C17)	2936NNE Perim Spc (M.NNE19)
2936WNW Wall (M.C17.I69)	2936Core Spc (M.C17)	2936Core Spc (M.C14)
2936NNE Wall (M.C17.I70)	2936Core Spc (M.C17)	2936Core Spc (M.C14)
2936WNW Wall (M.C17.I71)	2936Core Spc (M.C17)	2936WNW Perim Spc (M.WNW25)
2936Ceiling (M.C17.I72)	2936Core Spc (M.C17)	2936Plnm (M.26)
2936Flr (M.NNW18.I73)	2936NNW Perim Spc (M.NNW18)	28Plnm (G.13)
2936Ceiling (M.NNW18.I74)	2936NNW Perim Spc (M.NNW18)	2936Plnm (M.26)
2936Flr (M.NNE19.I75)	2936NNE Perim Spc (M.NNE19)	28Plnm (G.13)
2936WNW Wall (M.NNE19.I76)	2936NNE Perim Spc (M.NNE19)	2936NNW Perim Spc (M.NNW18)
2936ESE Wall (M.NNE19.I77)	2936NNE Perim Spc (M.NNE19)	2936East Perim Spc (M.E20)
2936Ceiling (M.NNE19.I78)	2936NNE Perim Spc (M.NNE19)	2936Plnm (M.26)
2936Flr (M.E20.I79)	2936East Perim Spc (M.E20)	28Plnm (G.13)
2936Ceiling (M.E20.I80)	2936East Perim Spc (M.E20)	2936Plnm (M.26)
2936Flr (M.ESE21.I81)	2936ESE Perim Spc (M.ESE21)	28Plnm (G.13)
2936NNE Wall (M.ESE21.I82)	2936ESE Perim Spc (M.ESE21)	2936East Perim Spc (M.E20)
2936SSW Wall (M.ESE21.I83)	2936ESE Perim Spc (M.ESE21)	2936South Perim Spc (M.S22)
2936Ceiling (M.ESE21.I84)	2936ESE Perim Spc (M.ESE21)	2936Plnm (M.26)
2936Flr (M.S22.I85)	2936South Perim Spc (M.S22)	28Plnm (G.13)
2936Ceiling (M.S22.I86)	2936South Perim Spc (M.S22)	2936Plnm (M.26)
2936Flr (M.SSW23.I87)	2936SSW Perim Spc (M.SSW23)	28Plnm (G.13)
2936ESE Wall (M.SSW23.I88)	2936SSW Perim Spc (M.SSW23)	2936South Perim Spc (M.S22)
2936WNW Wall (M.SSW23.I89)	2936SSW Perim Spc (M.SSW23)	2936SW Perim Spc (M.SW24)
2936Ceiling (M.SSW23.I90)	2936SSW Perim Spc (M.SSW23)	2936Plnm (M.26)
2936Flr (M.SW24.I91)	2936SW Perim Spc (M.SW24)	28Plnm (G.13)
2936Ceiling (M.SW24.I92)	2936SW Perim Spc (M.SW24)	2936Plnm (M.26)
2936Flr (M.WNW25.I93)	2936WNW Perim Spc (M.WNW25)	28Plnm (G.13)
2936SSW Wall (M.WNW25.I94)	2936WNW Perim Spc (M.WNW25)	2936SW Perim Spc (M.SW24)
2936NNE Wall (M.WNW25.I95)	2936WNW Perim Spc (M.WNW25)	2936NNW Perim Spc (M.NNW18)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
2936Ceiling (M.WNW25.I96)	2936WNW Perim Spc (M.WNW25)	2936Plnm (M.26)
3744Flr (M.C14.I49)	3744Core Spc (M.C14)	3744Plnm (M.26)
3744NNE Wall (M.C14.I50)	3744Core Spc (M.C14)	3744NNE Perim Spc (M.NNE19)
3744WNW Wall (M.C14.I51)	3744Core Spc (M.C14)	3744WNW Perim Spc (M.WNW25)
3744Ceiling (M.C14.I52)	3744Core Spc (M.C14)	3744Plnm (M.26)
3744Flr (M.C15.I53)	3744Core Spc (M.C15)	3744Plnm (M.26)
3744SSW Wall (M.C15.I54)	3744Core Spc (M.C15)	3744SSW Perim Spc (M.SSW23)
3744WNW Wall (M.C15.I55)	3744Core Spc (M.C15)	3744WNW Perim Spc (M.WNW25)
3744Ceiling (M.C15.I56)	3744Core Spc (M.C15)	3744Plnm (M.26)
3744Flr (M.C16.I57)	3744Core Spc (M.C16)	3744Plnm (M.26)
3744SSW Wall (M.C16.I58)	3744Core Spc (M.C16)	3744SSW Perim Spc (M.SSW23)
3744ESE Wall (M.C16.I59)	3744Core Spc (M.C16)	3744ESE Perim Spc (M.ESE21)
3744Ceiling (M.C16.I60)	3744Core Spc (M.C16)	3744Plnm (M.26)
3744Flr (M.C17.I61)	3744Core Spc (M.C17)	3744Plnm (M.26)
3744SSW Wall (M.C17.I62)	3744Core Spc (M.C17)	3744Core Spc (M.C15)
3744WNW Wall (M.C17.I63)	3744Core Spc (M.C17)	3744Core Spc (M.C15)
3744SSW Wall (M.C17.I64)	3744Core Spc (M.C17)	3744SSW Perim Spc (M.SSW23)
3744ESE Wall (M.C17.I65)	3744Core Spc (M.C17)	3744Core Spc (M.C16)
3744SSW Wall (M.C17.I66)	3744Core Spc (M.C17)	3744Core Spc (M.C16)
3744ESE Wall (M.C17.I67)	3744Core Spc (M.C17)	3744ESE Perim Spc (M.ESE21)
3744NNE Wall (M.C17.I68)	3744Core Spc (M.C17)	3744NNE Perim Spc (M.NNE19)
3744WNW Wall (M.C17.I69)	3744Core Spc (M.C17)	3744Core Spc (M.C14)
3744NNE Wall (M.C17.I70)	3744Core Spc (M.C17)	3744Core Spc (M.C14)
3744WNW Wall (M.C17.I71)	3744Core Spc (M.C17)	3744WNW Perim Spc (M.WNW25)
3744Ceiling (M.C17.I72)	3744Core Spc (M.C17)	3744Plnm (M.26)
3744Flr (M.NNW18.I73)	3744NNW Perim Spc (M.NNW18)	3744Plnm (M.26)
3744Ceiling (M.NNW18.I74)	3744NNW Perim Spc (M.NNW18)	3744Plnm (M.26)
3744Flr (M.NNE19.I75)	3744NNE Perim Spc (M.NNE19)	3744Plnm (M.26)
3744WNW Wall (M.NNE19.I76)	3744NNE Perim Spc (M.NNE19)	3744NNW Perim Spc (M.NNW18)
3744ESE Wall (M.NNE19.I77)	3744NNE Perim Spc (M.NNE19)	3744East Perim Spc (M.E20)
3744Ceiling (M.NNE19.I78)	3744NNE Perim Spc (M.NNE19)	3744Plnm (M.26)
3744Flr (M.E20.I79)	3744East Perim Spc (M.E20)	3744Plnm (M.26)
3744Ceiling (M.E20.I80)	3744East Perim Spc (M.E20)	3744Plnm (M.26)
3744Flr (M.ESE21.I81)	3744ESE Perim Spc (M.ESE21)	3744Plnm (M.26)
3744NNE Wall (M.ESE21.I82)	3744ESE Perim Spc (M.ESE21)	3744East Perim Spc (M.E20)
3744SSW Wall (M.ESE21.I83)	3744ESE Perim Spc (M.ESE21)	3744South Perim Spc (M.S22)
3744Ceiling (M.ESE21.I84)	3744ESE Perim Spc (M.ESE21)	3744Plnm (M.26)
3744Flr (M.S22.I85)	3744South Perim Spc (M.S22)	3744Plnm (M.26)
3744Ceiling (M.S22.I86)	3744South Perim Spc (M.S22)	3744Plnm (M.26)
3744Flr (M.SSW23.I87)	3744SSW Perim Spc (M.SSW23)	3744Plnm (M.26)
3744ESE Wall (M.SSW23.I88)	3744SSW Perim Spc (M.SSW23)	3744South Perim Spc (M.S22)
3744WNW Wall (M.SSW23.I89)	3744SSW Perim Spc (M.SSW23)	3744SW Perim Spc (M.SW24)
3744Ceiling (M.SSW23.I90)	3744SSW Perim Spc (M.SSW23)	3744Plnm (M.26)
3744Flr (M.SW24.I91)	3744SW Perim Spc (M.SW24)	3744Plnm (M.26)
3744Ceiling (M.SW24.I92)	3744SW Perim Spc (M.SW24)	3744Plnm (M.26)
3744Flr (M.WNW25.I93)	3744WNW Perim Spc (M.WNW25)	3744Plnm (M.26)
3744SSW Wall (M.WNW25.I94)	3744WNW Perim Spc (M.WNW25)	3744SW Perim Spc (M.SW24)
3744NNE Wall (M.WNW25.I95)	3744WNW Perim Spc (M.WNW25)	3744NNW Perim Spc (M.NNW18)
3744Ceiling (M.WNW25.I96)	3744WNW Perim Spc (M.WNW25)	3744Plnm (M.26)
45Flr (T.C27.I97)	45Core Spc (T.C27)	45Plnm (T.39)
45NNE Wall (T.C27.I98)	45Core Spc (T.C27)	45NNE Perim Spc (T.NNE32)
45WNW Wall (T.C27.I99)	45Core Spc (T.C27)	45WNW Perim Spc (T.WNW38)
45Ceiling (T.C27.I100)	45Core Spc (T.C27)	45Plnm (T.39)
45Flr (T.C28.I101)	45Core Spc (T.C28)	45Plnm (T.39)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
45SSW Wall (T.C28.I102)	45Core Spc (T.C28)	45SSW Perim Spc (T.SSW36)
45WNW Wall (T.C28.I103)	45Core Spc (T.C28)	45WNW Perim Spc (T.WNW38)
45Ceiling (T.C28.I104)	45Core Spc (T.C28)	45Plnm (T.39)
45Flr (T.C29.I105)	45Core Spc (T.C29)	45Plnm (T.39)
45SSW Wall (T.C29.I106)	45Core Spc (T.C29)	45SSW Perim Spc (T.SSW36)
45ESE Wall (T.C29.I107)	45Core Spc (T.C29)	45ESE Perim Spc (T.ESE34)
45Ceiling (T.C29.I108)	45Core Spc (T.C29)	45Plnm (T.39)
45Flr (T.C30.I109)	45Core Spc (T.C30)	45Plnm (T.39)
45SSW Wall (T.C30.I110)	45Core Spc (T.C30)	45Core Spc (T.C28)
45WNW Wall (T.C30.I111)	45Core Spc (T.C30)	45Core Spc (T.C28)
45SSW Wall (T.C30.I112)	45Core Spc (T.C30)	45SSW Perim Spc (T.SSW36)
45ESE Wall (T.C30.I113)	45Core Spc (T.C30)	45Core Spc (T.C29)
45SSW Wall (T.C30.I114)	45Core Spc (T.C30)	45Core Spc (T.C29)
45ESE Wall (T.C30.I115)	45Core Spc (T.C30)	45ESE Perim Spc (T.ESE34)
45NNE Wall (T.C30.I116)	45Core Spc (T.C30)	45NNE Perim Spc (T.NNE32)
45WNW Wall (T.C30.I117)	45Core Spc (T.C30)	45Core Spc (T.C27)
45NNE Wall (T.C30.I118)	45Core Spc (T.C30)	45Core Spc (T.C27)
45WNW Wall (T.C30.I119)	45Core Spc (T.C30)	45WNW Perim Spc (T.WNW38)
45Ceiling (T.C30.I120)	45Core Spc (T.C30)	45Plnm (T.39)
45Flr (T.NNW31.I121)	45NNW Perim Spc (T.NNW31)	45Plnm (T.39)
45Ceiling (T.NNW31.I122)	45NNW Perim Spc (T.NNW31)	45Plnm (T.39)
45Flr (T.NNE32.I123)	45NNE Perim Spc (T.NNE32)	45Plnm (T.39)
45WNW Wall (T.NNE32.I124)	45NNE Perim Spc (T.NNE32)	45NNW Perim Spc (T.NNW31)
45ESE Wall (T.NNE32.I125)	45NNE Perim Spc (T.NNE32)	45East Perim Spc (T.E33)
45Ceiling (T.NNE32.I126)	45NNE Perim Spc (T.NNE32)	45Plnm (T.39)
45Flr (T.E33.I127)	45East Perim Spc (T.E33)	45Plnm (T.39)
45Ceiling (T.E33.I128)	45East Perim Spc (T.E33)	45Plnm (T.39)
45Flr (T.ESE34.I129)	45ESE Perim Spc (T.ESE34)	45Plnm (T.39)
45NNE Wall (T.ESE34.I130)	45ESE Perim Spc (T.ESE34)	45East Perim Spc (T.E33)
45SSW Wall (T.ESE34.I131)	45ESE Perim Spc (T.ESE34)	45South Perim Spc (T.S35)
45Ceiling (T.ESE34.I132)	45ESE Perim Spc (T.ESE34)	45Plnm (T.39)
45Flr (T.S35.I133)	45South Perim Spc (T.S35)	45Plnm (T.39)
45Ceiling (T.S35.I134)	45South Perim Spc (T.S35)	45Plnm (T.39)
45Flr (T.SSW36.I135)	45SSW Perim Spc (T.SSW36)	45Plnm (T.39)
45ESE Wall (T.SSW36.I136)	45SSW Perim Spc (T.SSW36)	45South Perim Spc (T.S35)
45WNW Wall (T.SSW36.I137)	45SSW Perim Spc (T.SSW36)	45SW Perim Spc (T.SW37)
45Ceiling (T.SSW36.I138)	45SSW Perim Spc (T.SSW36)	45Plnm (T.39)
45Flr (T.SW37.I139)	45SW Perim Spc (T.SW37)	45Plnm (T.39)
45Ceiling (T.SW37.I140)	45SW Perim Spc (T.SW37)	45Plnm (T.39)
45Flr (T.WNW38.I141)	45WNW Perim Spc (T.WNW38)	45Plnm (T.39)
45SSW Wall (T.WNW38.I142)	45WNW Perim Spc (T.WNW38)	45SW Perim Spc (T.SW37)
45NNE Wall (T.WNW38.I143)	45WNW Perim Spc (T.WNW38)	45NNW Perim Spc (T.NNW31)
45Ceiling (T.WNW38.I144)	45WNW Perim Spc (T.WNW38)	45Plnm (T.39)
46MCFlr (T.C27.I97)	46MCCore Spc (T.C27)	46MCPlnm (T.39)
46MCNNE Wall (T.C27.I98)	46MCCore Spc (T.C27)	46MCNNE Perim Spc (T.NNE32)
46MCWNW Wall (T.C27.I99)	46MCCore Spc (T.C27)	46MCWNW Perim Spc (T.WNW38)
46MCCeiling (T.C27.I100)	46MCCore Spc (T.C27)	46MCPlnm (T.39)
46MCFlr (T.C28.I101)	46MCCore Spc (T.C28)	46MCPlnm (T.39)
46MCSSW Wall (T.C28.I102)	46MCCore Spc (T.C28)	46MCSSW Perim Spc (T.SSW36)
46MCWNW Wall (T.C28.I103)	46MCCore Spc (T.C28)	46MCWNW Perim Spc (T.WNW38)
46MCCeiling (T.C28.I104)	46MCCore Spc (T.C28)	46MCPlnm (T.39)
46MCFlr (T.C29.I105)	46MCCore Spc (T.C29)	46MCPlnm (T.39)
46MCSSW Wall (T.C29.I106)	46MCCore Spc (T.C29)	46MCSSW Perim Spc (T.SSW36)
46MCESE Wall (T.C29.I107)	46MCCore Spc (T.C29)	46MCESE Perim Spc (T.ESE34)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
46MCCeiling (T.C29.I108)	46MCCore Spc (T.C29)	46MCPlnm (T.39)
46MCFlr (T.C30.I109)	46MCCore Spc (T.C30)	46MCPlnm (T.39)
46MCSSW Wall (T.C30.I110)	46MCCore Spc (T.C30)	46MCCore Spc (T.C28)
46MCWNW Wall (T.C30.I111)	46MCCore Spc (T.C30)	46MCCore Spc (T.C28)
46MCSSW Wall (T.C30.I112)	46MCCore Spc (T.C30)	46MCSSW Perim Spc (T.SSW36)
46MCESE Wall (T.C30.I113)	46MCCore Spc (T.C30)	46MCCore Spc (T.C29)
46MCSSW Wall (T.C30.I114)	46MCCore Spc (T.C30)	46MCCore Spc (T.C29)
46MCESE Wall (T.C30.I115)	46MCCore Spc (T.C30)	46MCESE Perim Spc (T.ESE34)
46MCNNE Wall (T.C30.I116)	46MCCore Spc (T.C30)	46MCNNE Perim Spc (T.NNE32)
46MCWNW Wall (T.C30.I117)	46MCCore Spc (T.C30)	46MCCore Spc (T.C27)
46MCNNE Wall (T.C30.I118)	46MCCore Spc (T.C30)	46MCCore Spc (T.C27)
46MCWNW Wall (T.C30.I119)	46MCCore Spc (T.C30)	46MCWNW Perim Spc (T.WNW38)
46MCCeiling (T.C30.I120)	46MCCore Spc (T.C30)	46MCPlnm (T.39)
46MCFlr (T.NNW31.I121)	46MCNNW Perim Spc (T.NNW31)	46MCPlnm (T.39)
46MCCeiling (T.NNW31.I122)	46MCNNW Perim Spc (T.NNW31)	46MCPlnm (T.39)
46MCFlr (T.NNE32.I123)	46MCNNE Perim Spc (T.NNE32)	46MCPlnm (T.39)
46MCWNW Wall (T.NNE32.I124)	46MCNNE Perim Spc (T.NNE32)	46MCNNW Perim Spc (T.NNW31)
46MCESE Wall (T.NNE32.I125)	46MCNNE Perim Spc (T.NNE32)	46MCEast Perim Spc (T.E33)
46MCCeiling (T.NNE32.I126)	46MCNNE Perim Spc (T.NNE32)	46MCPlnm (T.39)
46MCFlr (T.E33.I127)	46MCEast Perim Spc (T.E33)	46MCPlnm (T.39)
46MCCeiling (T.E33.I128)	46MCEast Perim Spc (T.E33)	46MCPlnm (T.39)
46MCNNE Wall (T.ESE34.I130)	46MCESE Perim Spc (T.ESE34)	46MCEast Perim Spc (T.E33)
46MCSSW Wall (T.ESE34.I131)	46MCESE Perim Spc (T.ESE34)	46MCSouth Perim Spc (T.S35)
46MCCeiling (T.ESE34.I132)	46MCESE Perim Spc (T.ESE34)	46MCPlnm (T.39)
46MCFlr (T.S35.I133)	46MCSouth Perim Spc (T.S35)	46MCPlnm (T.39)
46MCCeiling (T.S35.I134)	46MCSouth Perim Spc (T.S35)	46MCPlnm (T.39)
46MCFlr (T.SSW36.I135)	46MCSSW Perim Spc (T.SSW36)	46MCPlnm (T.39)
46MCESE Wall (T.SSW36.I136)	46MCSSW Perim Spc (T.SSW36)	46MCSouth Perim Spc (T.S35)
46MCWNW Wall (T.SSW36.I137)	46MCSSW Perim Spc (T.SSW36)	46MCSW Perim Spc (T.SW37)
46MCCeiling (T.SSW36.I138)	46MCSSW Perim Spc (T.SSW36)	46MCPlnm (T.39)
46MCFlr (T.SW37.I139)	46MCSW Perim Spc (T.SW37)	46MCPlnm (T.39)
46MCCeiling (T.SW37.I140)	46MCSW Perim Spc (T.SW37)	46MCPlnm (T.39)
46MCFlr (T.WNW38.I141)	46MCWNW Perim Spc (T.WNW38)	46MCPlnm (T.39)
46MCSSW Wall (T.WNW38.I142)	46MCWNW Perim Spc (T.WNW38)	46MCSW Perim Spc (T.SW37)
46MCNNE Wall (T.WNW38.I143)	46MCWNW Perim Spc (T.WNW38)	46MCNNW Perim Spc (T.NNW31)
46MCCeiling (T.WNW38.I144)	46MCWNW Perim Spc (T.WNW38)	46MCPlnm (T.39)
47Flr (G.NNW1.I1)	47NNW Perim Spc (G.NNW1)	
47ESE Wall (G.NNW1.I2)	47NNW Perim Spc (G.NNW1)	47NE Perim Spc (G.NE8)
47Ceiling (G.NNW1.I3)	47NNW Perim Spc (G.NNW1)	47Plnm (G.13)
47Flr (G.W2.I4)	47West Perim Spc (G.W2)	
47SSW Wall (G.W2.I5)	47West Perim Spc (G.W2)	47SW Perim Spc (G.SW3)
47ESE Wall (G.W2.I6)	47West Perim Spc (G.W2)	47SSW Perim Spc (G.SSW4)
47NNE Wall (G.W2.I7)	47West Perim Spc (G.W2)	47NNW Perim Spc (G.NNW1)
47Ceiling (G.W2.I8)	47West Perim Spc (G.W2)	47Plnm (G.13)
47Flr (G.SW3.I9)	47SW Perim Spc (G.SW3)	
47ESE Wall (G.SW3.I10)	47SW Perim Spc (G.SW3)	47SSW Perim Spc (G.SSW4)
47Ceiling (G.SW3.I11)	47SW Perim Spc (G.SW3)	47Plnm (G.13)
47Flr (G.SSW4.I12)	47SSW Perim Spc (G.SSW4)	
47ESE Wall (G.SSW4.I13)	47SSW Perim Spc (G.SSW4)	47SSE Perim Spc (G.SSE5)
47Ceiling (G.SSW4.I14)	47SSW Perim Spc (G.SSW4)	47Plnm (G.13)
47Flr (G.SSE5.I15)	47SSE Perim Spc (G.SSE5)	
47Ceiling (G.SSE5.I16)	47SSE Perim Spc (G.SSE5)	47Plnm (G.13)
47Flr (G.ESE6.I17)	47ESE Perim Spc (G.ESE6)	
47NNE Wall (G.ESE6.I18)	47ESE Perim Spc (G.ESE6)	47ENE Perim Spc (G.ENE7)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
47SSW Wall (G.ESE6.I19)	47ESE Perim Spc (G.ESE6)	47SSE Perim Spc (G.SSE5)
47Ceiling (G.ESE6.I20)	47ESE Perim Spc (G.ESE6)	47Plnm (G.13)
47Flr (G.ENE7.I21)	47ENE Perim Spc (G.ENE7)	
47ESE Wall (G.ENE7.I22)	47ENE Perim Spc (G.ENE7)	
47Ceiling (G.ENE7.I23)	47ENE Perim Spc (G.ENE7)	47Plnm (G.13)
47Flr (G.NE8.I24)	47NE Perim Spc (G.NE8)	
47ESE Wall (G.NE8.I25)	47NE Perim Spc (G.NE8)	47ENE Perim Spc (G.ENE7)
47Ceiling (G.NE8.I26)	47NE Perim Spc (G.NE8)	47Plnm (G.13)
47Flr (G.C9.I27)	47Core Spc (G.C9)	
47NNE Wall (G.C9.I28)	47Core Spc (G.C9)	47NE Perim Spc (G.NE8)
47WNW Wall (G.C9.I29)	47Core Spc (G.C9)	47West Perim Spc (G.W2)
47Ceiling (G.C9.I30)	47Core Spc (G.C9)	47Plnm (G.13)
47Flr (G.C10.I31)	47Core Spc (G.C10)	
47SSW Wall (G.C10.I32)	47Core Spc (G.C10)	47SSW Perim Spc (G.SSW4)
47WNW Wall (G.C10.I33)	47Core Spc (G.C10)	47West Perim Spc (G.W2)
47Ceiling (G.C10.I34)	47Core Spc (G.C10)	47Plnm (G.13)
47Flr (G.C11.I35)	47Core Spc (G.C11)	
47SSW Wall (G.C11.I36)	47Core Spc (G.C11)	47SSW Perim Spc (G.SSW4)
47ESE Wall (G.C11.I37)	47Core Spc (G.C11)	47ESE Perim Spc (G.ESE6)
47Ceiling (G.C11.I38)	47Core Spc (G.C11)	47Plnm (G.13)
47Flr (G.C12.I39)	47Core Spc (G.C12)	
47SSW Wall (G.C12.I40)	47Core Spc (G.C12)	47Core Spc (G.C10)
47WNW Wall (G.C12.I41)	47Core Spc (G.C12)	47Core Spc (G.C10)
47SSW Wall (G.C12.I42)	47Core Spc (G.C12)	47SSW Perim Spc (G.SSW4)
47ESE Wall (G.C12.I43)	47Core Spc (G.C12)	47Core Spc (G.C11)
47SSW Wall (G.C12.I44)	47Core Spc (G.C12)	47Core Spc (G.C11)
47ESE Wall (G.C12.I45)	47Core Spc (G.C12)	47ESE Perim Spc (G.ESE6)
47NNE Wall (G.C12.I46)	47Core Spc (G.C12)	47ENE Perim Spc (G.ENE7)
47NNE Wall (G.C12.I47)	47Core Spc (G.C12)	47NE Perim Spc (G.NE8)
47WNW Wall (G.C12.I48)	47Core Spc (G.C12)	47Core Spc (G.C9)
47NNE Wall (G.C12.I49)	47Core Spc (G.C12)	47Core Spc (G.C9)
47WNW Wall (G.C12.I50)	47Core Spc (G.C12)	47West Perim Spc (G.W2)
47Ceiling (G.C12.I51)	47Core Spc (G.C12)	47Plnm (G.13)
4856Flr (M.NNW14.I52)	4856NNW Perim Spc (M.NNW14)	4856Plnm (M.26)
4856ESE Wall (M.NNW14.I53)	4856NNW Perim Spc (M.NNW14)	4856NE Perim Spc (M.NE21)
4856Ceiling (M.NNW14.I54)	4856NNW Perim Spc (M.NNW14)	4856Plnm (M.26)
4856Flr (M.W15.I55)	4856West Perim Spc (M.W15)	4856Plnm (M.26)
4856SSW Wall (M.W15.I56)	4856West Perim Spc (M.W15)	4856SW Perim Spc (M.SW16)
4856ESE Wall (M.W15.I57)	4856West Perim Spc (M.W15)	4856SSW Perim Spc (M.SSW17)
4856NNE Wall (M.W15.I58)	4856West Perim Spc (M.W15)	4856NNW Perim Spc (M.NNW14)
4856Ceiling (M.W15.I59)	4856West Perim Spc (M.W15)	4856Plnm (M.26)
4856Flr (M.SW16.I60)	4856SW Perim Spc (M.SW16)	4856Plnm (M.26)
4856ESE Wall (M.SW16.I61)	4856SW Perim Spc (M.SW16)	4856SSW Perim Spc (M.SSW17)
4856Ceiling (M.SW16.I62)	4856SW Perim Spc (M.SW16)	4856Plnm (M.26)
4856Flr (M.SSW17.I63)	4856SSW Perim Spc (M.SSW17)	4856Plnm (M.26)
4856ESE Wall (M.SSW17.I64)	4856SSW Perim Spc (M.SSW17)	4856SSE Perim Spc (M.SSE18)
4856Ceiling (M.SSW17.I65)	4856SSW Perim Spc (M.SSW17)	4856Plnm (M.26)
4856Flr (M.SSE18.I66)	4856SSE Perim Spc (M.SSE18)	4856Plnm (M.26)
4856Ceiling (M.SSE18.I67)	4856SSE Perim Spc (M.SSE18)	4856Plnm (M.26)
4856Flr (M.ESE19.I68)	4856ESE Perim Spc (M.ESE19)	4856Plnm (M.26)
4856NNE Wall (M.ESE19.I69)	4856ESE Perim Spc (M.ESE19)	4856ENE Perim Spc (M.ENE20)
4856SSW Wall (M.ESE19.I70)	4856ESE Perim Spc (M.ESE19)	4856SSE Perim Spc (M.SSE18)
4856Ceiling (M.ESE19.I71)	4856ESE Perim Spc (M.ESE19)	4856Plnm (M.26)
4856Flr (M.ENE20.I72)	4856ENE Perim Spc (M.ENE20)	4856Plnm (M.26)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
4856Ceiling (M.ENE20.I73)	4856ENE Perim Spc (M.ENE20)	4856Plnm (M.26)
4856Flr (M.NE21.I74)	4856NE Perim Spc (M.NE21)	4856Plnm (M.26)
4856ESE Wall (M.NE21.I75)	4856NE Perim Spc (M.NE21)	4856ENE Perim Spc (M.ENE20)
4856Ceiling (M.NE21.I76)	4856NE Perim Spc (M.NE21)	4856Plnm (M.26)
4856Flr (M.C22.I77)	4856Core Spc (M.C22)	4856Plnm (M.26)
4856NNE Wall (M.C22.I78)	4856Core Spc (M.C22)	4856NE Perim Spc (M.NE21)
4856WNW Wall (M.C22.I79)	4856Core Spc (M.C22)	4856West Perim Spc (M.W15)
4856Ceiling (M.C22.I80)	4856Core Spc (M.C22)	4856Plnm (M.26)
4856Flr (M.C23.I81)	4856Core Spc (M.C23)	4856Plnm (M.26)
4856SSW Wall (M.C23.I82)	4856Core Spc (M.C23)	4856SSW Perim Spc (M.SSW17)
4856WNW Wall (M.C23.I83)	4856Core Spc (M.C23)	4856West Perim Spc (M.W15)
4856Ceiling (M.C23.I84)	4856Core Spc (M.C23)	4856Plnm (M.26)
4856Flr (M.C24.I85)	4856Core Spc (M.C24)	4856Plnm (M.26)
4856SSW Wall (M.C24.I86)	4856Core Spc (M.C24)	4856SSW Perim Spc (M.SSW17)
4856ESE Wall (M.C24.I87)	4856Core Spc (M.C24)	4856ESE Perim Spc (M.ESE19)
4856Ceiling (M.C24.I88)	4856Core Spc (M.C24)	4856Plnm (M.26)
4856Flr (M.C25.I89)	4856Core Spc (M.C25)	4856Plnm (M.26)
4856SSW Wall (M.C25.I90)	4856Core Spc (M.C25)	4856Core Spc (M.C23)
4856WNW Wall (M.C25.I91)	4856Core Spc (M.C25)	4856Core Spc (M.C23)
4856SSW Wall (M.C25.I92)	4856Core Spc (M.C25)	4856SSW Perim Spc (M.SSW17)
4856ESE Wall (M.C25.I93)	4856Core Spc (M.C25)	4856Core Spc (M.C24)
4856SSW Wall (M.C25.I94)	4856Core Spc (M.C25)	4856Core Spc (M.C24)
4856ESE Wall (M.C25.I95)	4856Core Spc (M.C25)	4856ESE Perim Spc (M.ESE19)
4856NNE Wall (M.C25.I96)	4856Core Spc (M.C25)	4856ENE Perim Spc (M.ENE20)
4856NNE Wall (M.C25.I97)	4856Core Spc (M.C25)	4856NE Perim Spc (M.NE21)
4856WNW Wall (M.C25.I98)	4856Core Spc (M.C25)	4856Core Spc (M.C22)
4856NNE Wall (M.C25.I99)	4856Core Spc (M.C25)	4856Core Spc (M.C22)
4856WNW Wall (M.C25.I100)	4856Core Spc (M.C25)	4856West Perim Spc (M.W15)
4856Ceiling (M.C25.I101)	4856Core Spc (M.C25)	4856Plnm (M.26)
5765Flr (M.NNW14.I52)	5765NNW Perim Spc (M.NNW14)	5765Plnm (M.26)
5765ESE Wall (M.NNW14.I53)	5765NNW Perim Spc (M.NNW14)	5765NE Perim Spc (M.NE21)
5765Ceiling (M.NNW14.I54)	5765NNW Perim Spc (M.NNW14)	5765Plnm (M.26)
5765Flr (M.W15.I55)	5765West Perim Spc (M.W15)	5765Plnm (M.26)
5765SSW Wall (M.W15.I56)	5765West Perim Spc (M.W15)	5765SW Perim Spc (M.SW16)
5765ESE Wall (M.W15.I57)	5765West Perim Spc (M.W15)	5765SSW Perim Spc (M.SSW17)
5765NNE Wall (M.W15.I58)	5765West Perim Spc (M.W15)	5765NNW Perim Spc (M.NNW14)
5765Ceiling (M.W15.I59)	5765West Perim Spc (M.W15)	5765Plnm (M.26)
5765Flr (M.SW16.I60)	5765SW Perim Spc (M.SW16)	5765Plnm (M.26)
5765ESE Wall (M.SW16.I61)	5765SW Perim Spc (M.SW16)	5765SSW Perim Spc (M.SSW17)
5765Ceiling (M.SW16.I62)	5765SW Perim Spc (M.SW16)	5765Plnm (M.26)
5765Flr (M.SSW17.I63)	5765SSW Perim Spc (M.SSW17)	5765Plnm (M.26)
5765ESE Wall (M.SSW17.I64)	5765SSW Perim Spc (M.SSW17)	5765SSE Perim Spc (M.SSE18)
5765Ceiling (M.SSW17.I65)	5765SSW Perim Spc (M.SSW17)	5765Plnm (M.26)
5765Flr (M.SSE18.I66)	5765SSE Perim Spc (M.SSE18)	5765Plnm (M.26)
5765Ceiling (M.SSE18.I67)	5765SSE Perim Spc (M.SSE18)	5765Plnm (M.26)
5765Flr (M.ESE19.I68)	5765ESE Perim Spc (M.ESE19)	5765Plnm (M.26)
5765NNE Wall (M.ESE19.I69)	5765ESE Perim Spc (M.ESE19)	5765ENE Perim Spc (M.ENE20)
5765SSW Wall (M.ESE19.I70)	5765ESE Perim Spc (M.ESE19)	5765SSE Perim Spc (M.SSE18)
5765Ceiling (M.ESE19.I71)	5765ESE Perim Spc (M.ESE19)	5765Plnm (M.26)
5765Flr (M.ENE20.I72)	5765ENE Perim Spc (M.ENE20)	5765Plnm (M.26)
5765Ceiling (M.ENE20.I73)	5765ENE Perim Spc (M.ENE20)	5765Plnm (M.26)
5765Flr (M.NE21.I74)	5765NE Perim Spc (M.NE21)	5765Plnm (M.26)
5765ESE Wall (M.NE21.I75)	5765NE Perim Spc (M.NE21)	5765ENE Perim Spc (M.ENE20)
5765Ceiling (M.NE21.I76)	5765NE Perim Spc (M.NE21)	5765Plnm (M.26)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
5765Flr (M.C22.I77)	5765Core Spc (M.C22)	5765Plnm (M.26)
5765NNE Wall (M.C22.I78)	5765Core Spc (M.C22)	5765NE Perim Spc (M.NE21)
5765WNW Wall (M.C22.I79)	5765Core Spc (M.C22)	5765West Perim Spc (M.W15)
5765Ceiling (M.C22.I80)	5765Core Spc (M.C22)	5765Plnm (M.26)
5765Flr (M.C23.I81)	5765Core Spc (M.C23)	5765Plnm (M.26)
5765SSW Wall (M.C23.I82)	5765Core Spc (M.C23)	5765SSW Perim Spc (M.SSW17)
5765WNW Wall (M.C23.I83)	5765Core Spc (M.C23)	5765West Perim Spc (M.W15)
5765Ceiling (M.C23.I84)	5765Core Spc (M.C23)	5765Plnm (M.26)
5765Flr (M.C24.I85)	5765Core Spc (M.C24)	5765Plnm (M.26)
5765SSW Wall (M.C24.I86)	5765Core Spc (M.C24)	5765SSW Perim Spc (M.SSW17)
5765ESE Wall (M.C24.I87)	5765Core Spc (M.C24)	5765ESE Perim Spc (M.ESE19)
5765Ceiling (M.C24.I88)	5765Core Spc (M.C24)	5765Plnm (M.26)
5765Flr (M.C25.I89)	5765Core Spc (M.C25)	5765Plnm (M.26)
5765SSW Wall (M.C25.I90)	5765Core Spc (M.C25)	5765Core Spc (M.C23)
5765WNW Wall (M.C25.I91)	5765Core Spc (M.C25)	5765Core Spc (M.C23)
5765SSW Wall (M.C25.I92)	5765Core Spc (M.C25)	5765SSW Perim Spc (M.SSW17)
5765ESE Wall (M.C25.I93)	5765Core Spc (M.C25)	5765Core Spc (M.C24)
5765SSW Wall (M.C25.I94)	5765Core Spc (M.C25)	5765Core Spc (M.C24)
5765ESE Wall (M.C25.I95)	5765Core Spc (M.C25)	5765ESE Perim Spc (M.ESE19)
5765NNE Wall (M.C25.I96)	5765Core Spc (M.C25)	5765ENE Perim Spc (M.ENE20)
5765NNE Wall (M.C25.I97)	5765Core Spc (M.C25)	5765NE Perim Spc (M.NE21)
5765WNW Wall (M.C25.I98)	5765Core Spc (M.C25)	5765Core Spc (M.C22)
5765NNE Wall (M.C25.I99)	5765Core Spc (M.C25)	5765Core Spc (M.C22)
5765WNW Wall (M.C25.I100)	5765Core Spc (M.C25)	5765West Perim Spc (M.W15)
5765Ceiling (M.C25.I101)	5765Core Spc (M.C25)	5765Plnm (M.26)
66Flr (T.NNW27.I102)	66NNW Perim Spc (T.NNW27)	66Plnm (T.39)
66ESE Wall (T.NNW27.I103)	66NNW Perim Spc (T.NNW27)	66NE Perim Spc (T.NE34)
66Ceiling (T.NNW27.I104)	66NNW Perim Spc (T.NNW27)	66Plnm (T.39)
66Flr (T.W28.I105)	66West Perim Spc (T.W28)	66Plnm (T.39)
66SSW Wall (T.W28.I106)	66West Perim Spc (T.W28)	66SW Perim Spc (T.SW29)
66ESE Wall (T.W28.I107)	66West Perim Spc (T.W28)	66SSW Perim Spc (T.SSW30)
66NNE Wall (T.W28.I108)	66West Perim Spc (T.W28)	66NNW Perim Spc (T.NNW27)
66Ceiling (T.W28.I109)	66West Perim Spc (T.W28)	66Plnm (T.39)
66Flr (T.SW29.I110)	66SW Perim Spc (T.SW29)	66Plnm (T.39)
66ESE Wall (T.SW29.I111)	66SW Perim Spc (T.SW29)	66SSW Perim Spc (T.SSW30)
66Ceiling (T.SW29.I112)	66SW Perim Spc (T.SW29)	66Plnm (T.39)
66Flr (T.SSW30.I113)	66SSW Perim Spc (T.SSW30)	66Plnm (T.39)
66ESE Wall (T.SSW30.I114)	66SSW Perim Spc (T.SSW30)	66SSE Perim Spc (T.SSE31)
66Ceiling (T.SSW30.I115)	66SSW Perim Spc (T.SSW30)	66Plnm (T.39)
66Flr (T.SSE31.I116)	66SSE Perim Spc (T.SSE31)	66Plnm (T.39)
66Ceiling (T.SSE31.I117)	66SSE Perim Spc (T.SSE31)	66Plnm (T.39)
66Flr (T.ESE32.I118)	66ESE Perim Spc (T.ESE32)	66Plnm (T.39)
66NNE Wall (T.ESE32.I119)	66ESE Perim Spc (T.ESE32)	66ENE Perim Spc (T.ENE33)
66SSW Wall (T.ESE32.I120)	66ESE Perim Spc (T.ESE32)	66SSE Perim Spc (T.SSE31)
66Ceiling (T.ESE32.I121)	66ESE Perim Spc (T.ESE32)	66Plnm (T.39)
66Flr (T.ENE33.I122)	66ENE Perim Spc (T.ENE33)	66Plnm (T.39)
66Ceiling (T.ENE33.I123)	66ENE Perim Spc (T.ENE33)	66Plnm (T.39)
66Flr (T.NE34.I124)	66NE Perim Spc (T.NE34)	66Plnm (T.39)
66ESE Wall (T.NE34.I125)	66NE Perim Spc (T.NE34)	66ENE Perim Spc (T.ENE33)
66Ceiling (T.NE34.I126)	66NE Perim Spc (T.NE34)	66Plnm (T.39)
66Flr (T.C35.I127)	66Core Spc (T.C35)	66Plnm (T.39)
66NNE Wall (T.C35.I128)	66Core Spc (T.C35)	66NE Perim Spc (T.NE34)
66WNW Wall (T.C35.I129)	66Core Spc (T.C35)	66West Perim Spc (T.W28)
66Ceiling (T.C35.I130)	66Core Spc (T.C35)	66Plnm (T.39)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

ADJACENT SPACES		
SURFACE NAME	SPACE-1	SPACE-2
66Flr (T.C36.I131)	66Core Spc (T.C36)	66Plnm (T.39)
66SSW Wall (T.C36.I132)	66Core Spc (T.C36)	66SSW Perim Spc (T.SSW30)
66WNW Wall (T.C36.I133)	66Core Spc (T.C36)	66West Perim Spc (T.W28)
66Ceiling (T.C36.I134)	66Core Spc (T.C36)	66Plnm (T.39)
66Flr (T.C37.I135)	66Core Spc (T.C37)	66Plnm (T.39)
66SSW Wall (T.C37.I136)	66Core Spc (T.C37)	66SSW Perim Spc (T.SSW30)
66ESE Wall (T.C37.I137)	66Core Spc (T.C37)	66ESE Perim Spc (T.ESE32)
66Ceiling (T.C37.I138)	66Core Spc (T.C37)	66Plnm (T.39)
66Flr (T.C38.I139)	66Core Spc (T.C38)	66Plnm (T.39)
66SSW Wall (T.C38.I140)	66Core Spc (T.C38)	66Core Spc (T.C36)
66WNW Wall (T.C38.I141)	66Core Spc (T.C38)	66Core Spc (T.C36)
66SSW Wall (T.C38.I142)	66Core Spc (T.C38)	66SSW Perim Spc (T.SSW30)
66ESE Wall (T.C38.I143)	66Core Spc (T.C38)	66Core Spc (T.C37)
66SSW Wall (T.C38.I144)	66Core Spc (T.C38)	66Core Spc (T.C37)
66ESE Wall (T.C38.I145)	66Core Spc (T.C38)	66ESE Perim Spc (T.ESE32)
66NNE Wall (T.C38.I146)	66Core Spc (T.C38)	66ENE Perim Spc (T.ENE33)
66NNE Wall (T.C38.I147)	66Core Spc (T.C38)	66NE Perim Spc (T.NE34)
66WNW Wall (T.C38.I148)	66Core Spc (T.C38)	66Core Spc (T.C35)
66NNE Wall (T.C38.I149)	66Core Spc (T.C38)	66Core Spc (T.C35)
66WNW Wall (T.C38.I150)	66Core Spc (T.C38)	66West Perim Spc (T.W28)
66Ceiling (T.C38.I151)	66Core Spc (T.C38)	66Plnm (T.39)
67MCF1r (G.NNW1.I1)	67MCNNW Perim Spc (G.NNW1)	
67MCESE Wall (G.NNW1.I2)	67MCNNW Perim Spc (G.NNW1)	67MCNE Perim Spc (G.NE8)
67MCF1r (G.W2.I3)	67MCWest Perim Spc (G.W2)	
67MCSSW Wall (G.W2.I4)	67MCWest Perim Spc (G.W2)	67MCSW Perim Spc (G.SW3)
67MCESE Wall (G.W2.I5)	67MCWest Perim Spc (G.W2)	67MCSSW Perim Spc (G.SSW4)
67MCNNE Wall (G.W2.I6)	67MCWest Perim Spc (G.W2)	67MCNNW Perim Spc (G.NNW1)
67MCF1r (G.SW3.I7)	67MCSW Perim Spc (G.SW3)	
67MCESE Wall (G.SW3.I8)	67MCSW Perim Spc (G.SW3)	67MCSSW Perim Spc (G.SSW4)
67MCF1r (G.SSW4.I9)	67MCSSW Perim Spc (G.SSW4)	
67MCESE Wall (G.SSW4.I10)	67MCSSW Perim Spc (G.SSW4)	67MCSSE Perim Spc (G.SSE5)
67MCF1r (G.SSE5.I11)	67MCSSE Perim Spc (G.SSE5)	
67MCF1r (G.ESE6.I12)	67MCESE Perim Spc (G.ESE6)	
67MCNNE Wall (G.ESE6.I13)	67MCESE Perim Spc (G.ESE6)	67MCENE Perim Spc (G.ENE7)
67MCSSW Wall (G.ESE6.I14)	67MCESE Perim Spc (G.ESE6)	67MCSSE Perim Spc (G.SSE5)
67MCF1r (G.ENE7.I15)	67MCENE Perim Spc (G.ENE7)	
67MCF1r (G.NE8.I16)	67MCNE Perim Spc (G.NE8)	
67MCESE Wall (G.NE8.I17)	67MCNE Perim Spc (G.NE8)	67MCENE Perim Spc (G.ENE7)
67MCF1r (G.C9.I18)	67MCCore Spc (G.C9)	
67MCNNE Wall (G.C9.I19)	67MCCore Spc (G.C9)	67MCNE Perim Spc (G.NE8)
67MCWNW Wall (G.C9.I20)	67MCCore Spc (G.C9)	67MCWest Perim Spc (G.W2)
67MCF1r (G.C10.I21)	67MCCore Spc (G.C10)	
67MCSSW Wall (G.C10.I22)	67MCCore Spc (G.C10)	67MCSSW Perim Spc (G.SSW4)
67MCWNW Wall (G.C10.I23)	67MCCore Spc (G.C10)	67MCWest Perim Spc (G.W2)
67MCF1r (G.C11.I24)	67MCCore Spc (G.C11)	
67MCSSW Wall (G.C11.I25)	67MCCore Spc (G.C11)	67MCCore Spc (G.C10)
67MCWNW Wall (G.C11.I26)	67MCCore Spc (G.C11)	67MCCore Spc (G.C10)
67MCSSW Wall (G.C11.I27)	67MCCore Spc (G.C11)	67MCSSW Perim Spc (G.SSW4)
67MCESE Wall (G.C11.I28)	67MCCore Spc (G.C11)	67MCCore Spc (G.C12)
67MCSSW Wall (G.C11.I29)	67MCCore Spc (G.C11)	67MCCore Spc (G.C12)
67MCESE Wall (G.C11.I30)	67MCCore Spc (G.C11)	67MCESE Perim Spc (G.ESE6)
67MCNNE Wall (G.C11.I31)	67MCCore Spc (G.C11)	67MCENE Perim Spc (G.ENE7)
67MCNNE Wall (G.C11.I32)	67MCCore Spc (G.C11)	67MCNE Perim Spc (G.NE8)
67MCWNW Wall (G.C11.I33)	67MCCore Spc (G.C11)	67MCCore Spc (G.C9)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
67MCNNE Wall (G.C11.I34)	67MCCore Spc (G.C11)	67MCCore Spc (G.C9)
67MCWNW Wall (G.C11.I35)	67MCCore Spc (G.C11)	67MCWest Perim Spc (G.W2)
67MCFIrr (G.C12.I36)	67MCCore Spc (G.C12)	
67MCSSW Wall (G.C12.I37)	67MCCore Spc (G.C12)	67MCSSW Perim Spc (G.SSW4)
67MCESE Wall (G.C12.I38)	67MCCore Spc (G.C12)	67MCESE Perim Spc (G.ESE6)
68FIIrr (G.NNW1.I1)	68NNW Perim Spc (G.NNW1)	
68Ceiling (G.NNW1.I2)	68NNW Perim Spc (G.NNW1)	68Plnm (G.11)
68FIIrr (G.NE2.I3)	68NE Perim Spc (G.NE2)	
68ESE Wall (G.NE2.I4)	68NE Perim Spc (G.NE2)	68ESE Perim Spc (G.ESE3)
68WNW Wall (G.NE2.I5)	68NE Perim Spc (G.NE2)	68NNW Perim Spc (G.NNW1)
68Ceiling (G.NE2.I6)	68NE Perim Spc (G.NE2)	68Plnm (G.11)
68FIIrr (G.ESE3.I7)	68ESE Perim Spc (G.ESE3)	
68Ceiling (G.ESE3.I8)	68ESE Perim Spc (G.ESE3)	68Plnm (G.11)
68FIIrr (G.W4.I9)	68West Perim Spc (G.W4)	
68SSW Wall (G.W4.I10)	68West Perim Spc (G.W4)	68SW Perim Spc (G.SW5)
68ESE Wall (G.W4.I11)	68West Perim Spc (G.W4)	68South Perim Spc (G.S6)
68NNE Wall (G.W4.I12)	68West Perim Spc (G.W4)	68NNW Perim Spc (G.NNW1)
68Ceiling (G.W4.I13)	68West Perim Spc (G.W4)	68Plnm (G.11)
68FIIrr (G.SW5.I14)	68SW Perim Spc (G.SW5)	
68ESE Wall (G.SW5.I15)	68SW Perim Spc (G.SW5)	68South Perim Spc (G.S6)
68Ceiling (G.SW5.I16)	68SW Perim Spc (G.SW5)	68Plnm (G.11)
68FIIrr (G.S6.I17)	68South Perim Spc (G.S6)	
68Ceiling (G.S6.I18)	68South Perim Spc (G.S6)	68Plnm (G.11)
68FIIrr (G.C7.I19)	68Core Spc (G.C7)	
68SSW Wall (G.C7.I20)	68Core Spc (G.C7)	68South Perim Spc (G.S6)
68WNW Wall (G.C7.I21)	68Core Spc (G.C7)	68West Perim Spc (G.W4)
68Ceiling (G.C7.I22)	68Core Spc (G.C7)	68Plnm (G.11)
68FIIrr (G.C8.I23)	68Core Spc (G.C8)	
68NNE Wall (G.C8.I24)	68Core Spc (G.C8)	68NE Perim Spc (G.NE2)
68WNW Wall (G.C8.I25)	68Core Spc (G.C8)	68West Perim Spc (G.W4)
68Ceiling (G.C8.I26)	68Core Spc (G.C8)	68Plnm (G.11)
68FIIrr (G.ESE9.I27)	68ESE Perim Spc (G.ESE9)	
68SSW Wall (G.ESE9.I28)	68ESE Perim Spc (G.ESE9)	68South Perim Spc (G.S6)
68Ceiling (G.ESE9.I29)	68ESE Perim Spc (G.ESE9)	68Plnm (G.11)
68FIIrr (G.C10.I30)	68Core Spc (G.C10)	
68NNE Wall (G.C10.I31)	68Core Spc (G.C10)	68NE Perim Spc (G.NE2)
68WNW Wall (G.C10.I32)	68Core Spc (G.C10)	68Core Spc (G.C8)
68NNE Wall (G.C10.I33)	68Core Spc (G.C10)	68Core Spc (G.C8)
68WNW Wall (G.C10.I34)	68Core Spc (G.C10)	68West Perim Spc (G.W4)
68SSW Wall (G.C10.I35)	68Core Spc (G.C10)	68Core Spc (G.C7)
68WNW Wall (G.C10.I36)	68Core Spc (G.C10)	68Core Spc (G.C7)
68SSW Wall (G.C10.I37)	68Core Spc (G.C10)	68South Perim Spc (G.S6)
68ESE Wall (G.C10.I38)	68Core Spc (G.C10)	68ESE Perim Spc (G.ESE9)
68SSW Wall (G.C10.I39)	68Core Spc (G.C10)	68ESE Perim Spc (G.ESE9)
68Ceiling (G.C10.I40)	68Core Spc (G.C10)	68Plnm (G.11)
68DBFIIrr (G.WNW1.I1)	68DBWNW Perim Spc (G.WNW1)	
68DBCeiling (G.WNW1.I2)	68DBWNW Perim Spc (G.WNW1)	68DBPlnm (G.2)
69FIIrr (G.NNW1.I1)	69NNW Perim Spc (G.NNW1)	
69Ceiling (G.NNW1.I2)	69NNW Perim Spc (G.NNW1)	69Plnm (G.11)
69FIIrr (G.NE2.I3)	69NE Perim Spc (G.NE2)	
69ESE Wall (G.NE2.I4)	69NE Perim Spc (G.NE2)	69ESE Perim Spc (G.ESE3)
69WNW Wall (G.NE2.I5)	69NE Perim Spc (G.NE2)	69NNW Perim Spc (G.NNW1)
69Ceiling (G.NE2.I6)	69NE Perim Spc (G.NE2)	69Plnm (G.11)
69FIIrr (G.ESE3.I7)	69ESE Perim Spc (G.ESE3)	

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
69Ceiling (G.ESE3.I8)	69ESE Perim Spc (G.ESE3)	69Plnm (G.11)
69Flr (G.W4.I9)	69West Perim Spc (G.W4)	
69SSW Wall (G.W4.I10)	69West Perim Spc (G.W4)	69SW Perim Spc (G.SW5)
69ESE Wall (G.W4.I11)	69West Perim Spc (G.W4)	69South Perim Spc (G.S6)
69NNE Wall (G.W4.I12)	69West Perim Spc (G.W4)	69NNW Perim Spc (G.NNW1)
69Ceiling (G.W4.I13)	69West Perim Spc (G.W4)	69Plnm (G.11)
69Flr (G.SW5.I14)	69SW Perim Spc (G.SW5)	
69ESE Wall (G.SW5.I15)	69SW Perim Spc (G.SW5)	69South Perim Spc (G.S6)
69Ceiling (G.SW5.I16)	69SW Perim Spc (G.SW5)	69Plnm (G.11)
69Flr (G.S6.I17)	69South Perim Spc (G.S6)	
69Ceiling (G.S6.I18)	69South Perim Spc (G.S6)	69Plnm (G.11)
69Flr (G.C7.I19)	69Core Spc (G.C7)	
69SSW Wall (G.C7.I20)	69Core Spc (G.C7)	69South Perim Spc (G.S6)
69WNW Wall (G.C7.I21)	69Core Spc (G.C7)	69West Perim Spc (G.W4)
69Ceiling (G.C7.I22)	69Core Spc (G.C7)	69Plnm (G.11)
69Flr (G.C8.I23)	69Core Spc (G.C8)	
69NNE Wall (G.C8.I24)	69Core Spc (G.C8)	69NE Perim Spc (G.NE2)
69WNW Wall (G.C8.I25)	69Core Spc (G.C8)	69West Perim Spc (G.W4)
69Ceiling (G.C8.I26)	69Core Spc (G.C8)	69Plnm (G.11)
69Flr (G.ESE9.I27)	69ESE Perim Spc (G.ESE9)	
69SSW Wall (G.ESE9.I28)	69ESE Perim Spc (G.ESE9)	69South Perim Spc (G.S6)
69Ceiling (G.ESE9.I29)	69ESE Perim Spc (G.ESE9)	69Plnm (G.11)
69Flr (G.C10.I30)	69Core Spc (G.C10)	
69NNE Wall (G.C10.I31)	69Core Spc (G.C10)	69NE Perim Spc (G.NE2)
69WNW Wall (G.C10.I32)	69Core Spc (G.C10)	69Core Spc (G.C8)
69NNE Wall (G.C10.I33)	69Core Spc (G.C10)	69Core Spc (G.C8)
69WNW Wall (G.C10.I34)	69Core Spc (G.C10)	69West Perim Spc (G.W4)
69SSW Wall (G.C10.I35)	69Core Spc (G.C10)	69Core Spc (G.C7)
69WNW Wall (G.C10.I36)	69Core Spc (G.C10)	69Core Spc (G.C7)
69SSW Wall (G.C10.I37)	69Core Spc (G.C10)	69South Perim Spc (G.S6)
69ESE Wall (G.C10.I38)	69Core Spc (G.C10)	69ESE Perim Spc (G.ESE9)
69SSW Wall (G.C10.I39)	69Core Spc (G.C10)	69ESE Perim Spc (G.ESE9)
69Ceiling (G.C10.I40)	69Core Spc (G.C10)	69Plnm (G.11)
70Flr (G.NNW1.I1)	70NNW Perim Spc (G.NNW1)	
70Ceiling (G.NNW1.I2)	70NNW Perim Spc (G.NNW1)	70Plnm (G.12)
70Flr (G.W2.I3)	70West Perim Spc (G.W2)	
70SSW Wall (G.W2.I4)	70West Perim Spc (G.W2)	70SW Perim Spc (G.SW3)
70NNE Wall (G.W2.I5)	70West Perim Spc (G.W2)	70NNW Perim Spc (G.NNW1)
70Ceiling (G.W2.I6)	70West Perim Spc (G.W2)	70Plnm (G.12)
70Flr (G.SW3.I7)	70SW Perim Spc (G.SW3)	
70ESE Wall (G.SW3.I8)	70SW Perim Spc (G.SW3)	70South Perim Spc (G.S4)
70Ceiling (G.SW3.I9)	70SW Perim Spc (G.SW3)	70Plnm (G.12)
70Flr (G.S4.I10)	70South Perim Spc (G.S4)	
70NNE Wall (G.S4.I11)	70South Perim Spc (G.S4)	70SE Perim Spc (G.SE7)
70WNW Wall (G.S4.I12)	70South Perim Spc (G.S4)	70Core Spc (G.C10)
70WNW Wall (G.S4.I13)	70South Perim Spc (G.S4)	70West Perim Spc (G.W2)
70Ceiling (G.S4.I14)	70South Perim Spc (G.S4)	70Plnm (G.12)
70Flr (G.NE5.I15)	70NE Perim Spc (G.NE5)	
70WNW Wall (G.NE5.I16)	70NE Perim Spc (G.NE5)	70NNW Perim Spc (G.NNW1)
70Ceiling (G.NE5.I17)	70NE Perim Spc (G.NE5)	70Plnm (G.12)
70Flr (G.ENE6.I18)	70ENE Perim Spc (G.ENE6)	
70NNE Wall (G.ENE6.I19)	70ENE Perim Spc (G.ENE6)	70NE Perim Spc (G.NE5)
70WNW Wall (G.ENE6.I20)	70ENE Perim Spc (G.ENE6)	70NNW Perim Spc (G.NNW1)
70Ceiling (G.ENE6.I21)	70ENE Perim Spc (G.ENE6)	70Plnm (G.12)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

ADJACENT SPACES		
SURFACE NAME	SPACE-1	SPACE-2
70Flr (G.SE7.I22)	70SE Perim Spc (G.SE7)	
70NNE Wall (G.SE7.I23)	70SE Perim Spc (G.SE7)	70ENE Perim Spc (G.ENE6)
70WNW Wall (G.SE7.I24)	70SE Perim Spc (G.SE7)	70Core Spc (G.C10)
70Ceiling (G.SE7.I25)	70SE Perim Spc (G.SE7)	70Plnm (G.12)
70Flr (G.C8.I26)	70Core Spc (G.C8)	
70NNE Wall (G.C8.I27)	70Core Spc (G.C8)	70ENE Perim Spc (G.ENE6)
70WNW Wall (G.C8.I28)	70Core Spc (G.C8)	70West Perim Spc (G.W2)
70Ceiling (G.C8.I29)	70Core Spc (G.C8)	70Plnm (G.12)
70Flr (G.C9.I30)	70Core Spc (G.C9)	
70SSW Wall (G.C9.I31)	70Core Spc (G.C9)	70South Perim Spc (G.S4)
70WNW Wall (G.C9.I32)	70Core Spc (G.C9)	70West Perim Spc (G.W2)
70Ceiling (G.C9.I33)	70Core Spc (G.C9)	70Plnm (G.12)
70Flr (G.C10.I34)	70Core Spc (G.C10)	
70SSW Wall (G.C10.I35)	70Core Spc (G.C10)	70South Perim Spc (G.S4)
70Ceiling (G.C10.I36)	70Core Spc (G.C10)	70Plnm (G.12)
70Flr (G.C11.I37)	70Core Spc (G.C11)	
70SSW Wall (G.C11.I38)	70Core Spc (G.C11)	70Core Spc (G.C9)
70WNW Wall (G.C11.I39)	70Core Spc (G.C11)	70Core Spc (G.C9)
70SSW Wall (G.C11.I40)	70Core Spc (G.C11)	70South Perim Spc (G.S4)
70ESE Wall (G.C11.I41)	70Core Spc (G.C11)	70Core Spc (G.C10)
70SSW Wall (G.C11.I42)	70Core Spc (G.C11)	70Core Spc (G.C10)
70ESE Wall (G.C11.I43)	70Core Spc (G.C11)	70SE Perim Spc (G.SE7)
70NNE Wall (G.C11.I44)	70Core Spc (G.C11)	70ENE Perim Spc (G.ENE6)
70WNW Wall (G.C11.I45)	70Core Spc (G.C11)	70Core Spc (G.C8)
70NNE Wall (G.C11.I46)	70Core Spc (G.C11)	70Core Spc (G.C8)
70WNW Wall (G.C11.I47)	70Core Spc (G.C11)	70West Perim Spc (G.W2)
70Ceiling (G.C11.I48)	70Core Spc (G.C11)	70Plnm (G.12)
7179Flr (M.NNW13.I49)	7179NNW Perim Spc (M.NNW13)	7179Plnm (M.24)
7179Ceiling (M.NNW13.I50)	7179NNW Perim Spc (M.NNW13)	7179Plnm (M.24)
7179Flr (M.W14.I51)	7179West Perim Spc (M.W14)	7179Plnm (M.24)
7179SSW Wall (M.W14.I52)	7179West Perim Spc (M.W14)	7179SW Perim Spc (M.SW15)
7179NNE Wall (M.W14.I53)	7179West Perim Spc (M.W14)	7179NNW Perim Spc (M.NNW13)
7179Ceiling (M.W14.I54)	7179West Perim Spc (M.W14)	7179Plnm (M.24)
7179Flr (M.SW15.I55)	7179SW Perim Spc (M.SW15)	7179Plnm (M.24)
7179ESE Wall (M.SW15.I56)	7179SW Perim Spc (M.SW15)	7179South Perim Spc (M.S16)
7179Ceiling (M.SW15.I57)	7179SW Perim Spc (M.SW15)	7179Plnm (M.24)
7179Flr (M.S16.I58)	7179South Perim Spc (M.S16)	7179Plnm (M.24)
7179NNE Wall (M.S16.I59)	7179South Perim Spc (M.S16)	7179SE Perim Spc (M.SE19)
7179WNW Wall (M.S16.I60)	7179South Perim Spc (M.S16)	7179Core Spc (M.C22)
7179WNW Wall (M.S16.I61)	7179South Perim Spc (M.S16)	7179West Perim Spc (M.W14)
7179Ceiling (M.S16.I62)	7179South Perim Spc (M.S16)	7179Plnm (M.24)
7179Flr (M.NE17.I63)	7179NE Perim Spc (M.NE17)	7179Plnm (M.24)
7179WNW Wall (M.NE17.I64)	7179NE Perim Spc (M.NE17)	7179NNW Perim Spc (M.NNW13)
7179Ceiling (M.NE17.I65)	7179NE Perim Spc (M.NE17)	7179Plnm (M.24)
7179Flr (M.ENE18.I66)	7179ENE Perim Spc (M.ENE18)	7179Plnm (M.24)
7179NNE Wall (M.ENE18.I67)	7179ENE Perim Spc (M.ENE18)	7179NE Perim Spc (M.NE17)
7179WNW Wall (M.ENE18.I68)	7179ENE Perim Spc (M.ENE18)	7179NNW Perim Spc (M.NNW13)
7179Ceiling (M.ENE18.I69)	7179ENE Perim Spc (M.ENE18)	7179Plnm (M.24)
7179Flr (M.SE19.I70)	7179SE Perim Spc (M.SE19)	7179Plnm (M.24)
7179NNE Wall (M.SE19.I71)	7179SE Perim Spc (M.SE19)	7179ENE Perim Spc (M.ENE18)
7179WNW Wall (M.SE19.I72)	7179SE Perim Spc (M.SE19)	7179Core Spc (M.C22)
7179Ceiling (M.SE19.I73)	7179SE Perim Spc (M.SE19)	7179Plnm (M.24)
7179Flr (M.C20.I74)	7179Core Spc (M.C20)	7179Plnm (M.24)
7179NNE Wall (M.C20.I75)	7179Core Spc (M.C20)	7179ENE Perim Spc (M.ENE18)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
7179WNW Wall (M.C20.I76)	7179Core Spc (M.C20)	7179West Perim Spc (M.W14)
7179Ceiling (M.C20.I77)	7179Core Spc (M.C20)	7179Plnm (M.24)
7179Flr (M.C21.I78)	7179Core Spc (M.C21)	7179Plnm (M.24)
7179SSW Wall (M.C21.I79)	7179Core Spc (M.C21)	7179South Perim Spc (M.S16)
7179WNW Wall (M.C21.I80)	7179Core Spc (M.C21)	7179West Perim Spc (M.W14)
7179Ceiling (M.C21.I81)	7179Core Spc (M.C21)	7179Plnm (M.24)
7179Flr (M.C22.I82)	7179Core Spc (M.C22)	7179Plnm (M.24)
7179SSW Wall (M.C22.I83)	7179Core Spc (M.C22)	7179South Perim Spc (M.S16)
7179Ceiling (M.C22.I84)	7179Core Spc (M.C22)	7179Plnm (M.24)
7179Flr (M.C23.I85)	7179Core Spc (M.C23)	7179Plnm (M.24)
7179SSW Wall (M.C23.I86)	7179Core Spc (M.C23)	7179Core Spc (M.C21)
7179WNW Wall (M.C23.I87)	7179Core Spc (M.C23)	7179Core Spc (M.C21)
7179SSW Wall (M.C23.I88)	7179Core Spc (M.C23)	7179South Perim Spc (M.S16)
7179ESE Wall (M.C23.I89)	7179Core Spc (M.C23)	7179Core Spc (M.C22)
7179SSW Wall (M.C23.I90)	7179Core Spc (M.C23)	7179Core Spc (M.C22)
7179ESE Wall (M.C23.I91)	7179Core Spc (M.C23)	7179SE Perim Spc (M.SE19)
7179NNE Wall (M.C23.I92)	7179Core Spc (M.C23)	7179ENE Perim Spc (M.ENE18)
7179WNW Wall (M.C23.I93)	7179Core Spc (M.C23)	7179Core Spc (M.C20)
7179NNE Wall (M.C23.I94)	7179Core Spc (M.C23)	7179Core Spc (M.C20)
7179WNW Wall (M.C23.I95)	7179Core Spc (M.C23)	7179West Perim Spc (M.W14)
7179Ceiling (M.C23.I96)	7179Core Spc (M.C23)	7179Plnm (M.24)
8087Flr (M.NNW13.I49)	8087NNW Perim Spc (M.NNW13)	8087Plnm (M.24)
8087Ceiling (M.NNW13.I50)	8087NNW Perim Spc (M.NNW13)	8087Plnm (M.24)
8087Flr (M.W14.I51)	8087West Perim Spc (M.W14)	8087Plnm (M.24)
8087SSW Wall (M.W14.I52)	8087West Perim Spc (M.W14)	8087SW Perim Spc (M.SW15)
8087NNE Wall (M.W14.I53)	8087West Perim Spc (M.W14)	8087NNW Perim Spc (M.NNW13)
8087Ceiling (M.W14.I54)	8087West Perim Spc (M.W14)	8087Plnm (M.24)
8087Flr (M.SW15.I55)	8087SW Perim Spc (M.SW15)	8087Plnm (M.24)
8087ESE Wall (M.SW15.I56)	8087SW Perim Spc (M.SW15)	8087South Perim Spc (M.S16)
8087Ceiling (M.SW15.I57)	8087SW Perim Spc (M.SW15)	8087Plnm (M.24)
8087Flr (M.S16.I58)	8087South Perim Spc (M.S16)	8087Plnm (M.24)
8087NNE Wall (M.S16.I59)	8087South Perim Spc (M.S16)	8087SE Perim Spc (M.SE19)
8087WNW Wall (M.S16.I60)	8087South Perim Spc (M.S16)	8087Core Spc (M.C22)
8087WNW Wall (M.S16.I61)	8087South Perim Spc (M.S16)	8087West Perim Spc (M.W14)
8087Ceiling (M.S16.I62)	8087South Perim Spc (M.S16)	8087Plnm (M.24)
8087Flr (M.NE17.I63)	8087NE Perim Spc (M.NE17)	8087Plnm (M.24)
8087WNW Wall (M.NE17.I64)	8087NE Perim Spc (M.NE17)	8087NNW Perim Spc (M.NNW13)
8087Ceiling (M.NE17.I65)	8087NE Perim Spc (M.NE17)	8087Plnm (M.24)
8087Flr (M.ENE18.I66)	8087ENE Perim Spc (M.ENE18)	8087Plnm (M.24)
8087NNE Wall (M.ENE18.I67)	8087ENE Perim Spc (M.ENE18)	8087NE Perim Spc (M.NE17)
8087WNW Wall (M.ENE18.I68)	8087ENE Perim Spc (M.ENE18)	8087NNW Perim Spc (M.NNW13)
8087Ceiling (M.ENE18.I69)	8087ENE Perim Spc (M.ENE18)	8087Plnm (M.24)
8087Flr (M.SE19.I70)	8087SE Perim Spc (M.SE19)	8087Plnm (M.24)
8087NNE Wall (M.SE19.I71)	8087SE Perim Spc (M.SE19)	8087ENE Perim Spc (M.ENE18)
8087WNW Wall (M.SE19.I72)	8087SE Perim Spc (M.SE19)	8087Core Spc (M.C22)
8087Ceiling (M.SE19.I73)	8087SE Perim Spc (M.SE19)	8087Plnm (M.24)
8087Flr (M.C20.I74)	8087Core Spc (M.C20)	8087Plnm (M.24)
8087NNE Wall (M.C20.I75)	8087Core Spc (M.C20)	8087ENE Perim Spc (M.ENE18)
8087WNW Wall (M.C20.I76)	8087Core Spc (M.C20)	8087West Perim Spc (M.W14)
8087Ceiling (M.C20.I77)	8087Core Spc (M.C20)	8087Plnm (M.24)
8087Flr (M.C21.I78)	8087Core Spc (M.C21)	8087Plnm (M.24)
8087SSW Wall (M.C21.I79)	8087Core Spc (M.C21)	8087South Perim Spc (M.S16)
8087WNW Wall (M.C21.I80)	8087Core Spc (M.C21)	8087West Perim Spc (M.W14)
8087Ceiling (M.C21.I81)	8087Core Spc (M.C21)	8087Plnm (M.24)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
8087Flr (M.C22.I82)	8087Core Spc (M.C22)	8087Plnm (M.24)
8087SSW Wall (M.C22.I83)	8087Core Spc (M.C22)	8087South Perim Spc (M.S16)
8087Ceiling (M.C22.I84)	8087Core Spc (M.C22)	8087Plnm (M.24)
8087Flr (M.C23.I85)	8087Core Spc (M.C23)	8087Plnm (M.24)
8087SSW Wall (M.C23.I86)	8087Core Spc (M.C23)	8087Core Spc (M.C21)
8087WNW Wall (M.C23.I87)	8087Core Spc (M.C23)	8087Core Spc (M.C21)
8087SSW Wall (M.C23.I88)	8087Core Spc (M.C23)	8087South Perim Spc (M.S16)
8087ESE Wall (M.C23.I89)	8087Core Spc (M.C23)	8087Core Spc (M.C22)
8087SSW Wall (M.C23.I90)	8087Core Spc (M.C23)	8087Core Spc (M.C22)
8087ESE Wall (M.C23.I91)	8087Core Spc (M.C23)	8087SE Perim Spc (M.SE19)
8087NNE Wall (M.C23.I92)	8087Core Spc (M.C23)	8087ENE Perim Spc (M.ENE18)
8087WNW Wall (M.C23.I93)	8087Core Spc (M.C23)	8087Core Spc (M.C20)
8087NNE Wall (M.C23.I94)	8087Core Spc (M.C23)	8087Core Spc (M.C20)
8087WNW Wall (M.C23.I95)	8087Core Spc (M.C23)	8087West Perim Spc (M.W14)
8087Ceiling (M.C23.I96)	8087Core Spc (M.C23)	8087Plnm (M.24)
88Flr (T.NNW25.I97)	88NNW Perim Spc (T.NNW25)	88Plnm (T.36)
88Ceiling (T.NNW25.I98)	88NNW Perim Spc (T.NNW25)	88Plnm (T.36)
88Flr (T.W26.I99)	88West Perim Spc (T.W26)	88Plnm (T.36)
88SSW Wall (T.W26.I100)	88West Perim Spc (T.W26)	88SW Perim Spc (T.SW27)
88NNE Wall (T.W26.I101)	88West Perim Spc (T.W26)	88NNW Perim Spc (T.NNW25)
88Ceiling (T.W26.I102)	88West Perim Spc (T.W26)	88Plnm (T.36)
88Flr (T.SW27.I103)	88SW Perim Spc (T.SW27)	88Plnm (T.36)
88ESE Wall (T.SW27.I104)	88SW Perim Spc (T.SW27)	88South Perim Spc (T.S28)
88Ceiling (T.SW27.I105)	88SW Perim Spc (T.SW27)	88Plnm (T.36)
88Flr (T.S28.I106)	88South Perim Spc (T.S28)	88Plnm (T.36)
88NNE Wall (T.S28.I107)	88South Perim Spc (T.S28)	88SE Perim Spc (T.SE31)
88WNW Wall (T.S28.I108)	88South Perim Spc (T.S28)	88Core Spc (T.C34)
88WNW Wall (T.S28.I109)	88South Perim Spc (T.S28)	88West Perim Spc (T.W26)
88Ceiling (T.S28.I110)	88South Perim Spc (T.S28)	88Plnm (T.36)
88Flr (T.NE29.I111)	88NE Perim Spc (T.NE29)	88Plnm (T.36)
88WNW Wall (T.NE29.I112)	88NE Perim Spc (T.NE29)	88NNW Perim Spc (T.NNW25)
88Ceiling (T.NE29.I113)	88NE Perim Spc (T.NE29)	88Plnm (T.36)
88Flr (T.ENE30.I114)	88ENE Perim Spc (T.ENE30)	88Plnm (T.36)
88NNE Wall (T.ENE30.I115)	88ENE Perim Spc (T.ENE30)	88NE Perim Spc (T.NE29)
88WNW Wall (T.ENE30.I116)	88ENE Perim Spc (T.ENE30)	88NNW Perim Spc (T.NNW25)
88Ceiling (T.ENE30.I117)	88ENE Perim Spc (T.ENE30)	88Plnm (T.36)
88Flr (T.SE31.I118)	88SE Perim Spc (T.SE31)	88Plnm (T.36)
88NNE Wall (T.SE31.I119)	88SE Perim Spc (T.SE31)	88ENE Perim Spc (T.ENE30)
88WNW Wall (T.SE31.I120)	88SE Perim Spc (T.SE31)	88Core Spc (T.C34)
88Ceiling (T.SE31.I121)	88SE Perim Spc (T.SE31)	88Plnm (T.36)
88Flr (T.C32.I122)	88Core Spc (T.C32)	88Plnm (T.36)
88NNE Wall (T.C32.I123)	88Core Spc (T.C32)	88ENE Perim Spc (T.ENE30)
88WNW Wall (T.C32.I124)	88Core Spc (T.C32)	88West Perim Spc (T.W26)
88Ceiling (T.C32.I125)	88Core Spc (T.C32)	88Plnm (T.36)
88Flr (T.C33.I126)	88Core Spc (T.C33)	88Plnm (T.36)
88SSW Wall (T.C33.I127)	88Core Spc (T.C33)	88South Perim Spc (T.S28)
88WNW Wall (T.C33.I128)	88Core Spc (T.C33)	88West Perim Spc (T.W26)
88Ceiling (T.C33.I129)	88Core Spc (T.C33)	88Plnm (T.36)
88Flr (T.C34.I130)	88Core Spc (T.C34)	88Plnm (T.36)
88SSW Wall (T.C34.I131)	88Core Spc (T.C34)	88South Perim Spc (T.S28)
88Ceiling (T.C34.I132)	88Core Spc (T.C34)	88Plnm (T.36)
88Flr (T.C35.I133)	88Core Spc (T.C35)	88Plnm (T.36)
88SSW Wall (T.C35.I134)	88Core Spc (T.C35)	88Core Spc (T.C33)
88WNW Wall (T.C35.I135)	88Core Spc (T.C35)	88Core Spc (T.C33)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

SURFACE NAME	ADJACENT SPACES	
	SPACE-1	SPACE-2
88SSW Wall (T.C35.I136)	88Core Spc (T.C35)	88South Perim Spc (T.S28)
88ESE Wall (T.C35.I137)	88Core Spc (T.C35)	88Core Spc (T.C34)
88SSW Wall (T.C35.I138)	88Core Spc (T.C35)	88Core Spc (T.C34)
88ESE Wall (T.C35.I139)	88Core Spc (T.C35)	88SE Perim Spc (T.SE31)
88NNE Wall (T.C35.I140)	88Core Spc (T.C35)	88ENE Perim Spc (T.ENE30)
88WNW Wall (T.C35.I141)	88Core Spc (T.C35)	88Core Spc (T.C32)
88NNE Wall (T.C35.I142)	88Core Spc (T.C35)	88Core Spc (T.C32)
88WNW Wall (T.C35.I143)	88Core Spc (T.C35)	88West Perim Spc (T.W26)
88Ceiling (T.C35.I144)	88Core Spc (T.C35)	88Plnm (T.36)
89Flr (G.NNW1.I1)	89NNW Perim Spc (G.NNW1)	
89Ceiling (G.NNW1.I2)	89NNW Perim Spc (G.NNW1)	89Plnm (G.11)
89Flr (G.NE2.I3)	89NE Perim Spc (G.NE2)	
89WNW Wall (G.NE2.I4)	89NE Perim Spc (G.NE2)	89NNW Perim Spc (G.NNW1)
89Ceiling (G.NE2.I5)	89NE Perim Spc (G.NE2)	89Plnm (G.11)
89Flr (G.ESE3.I6)	89ESE Perim Spc (G.ESE3)	
89NNE Wall (G.ESE3.I7)	89ESE Perim Spc (G.ESE3)	89NE Perim Spc (G.NE2)
89WNW Wall (G.ESE3.I8)	89ESE Perim Spc (G.ESE3)	89NNW Perim Spc (G.NNW1)
89Ceiling (G.ESE3.I9)	89ESE Perim Spc (G.ESE3)	89Plnm (G.11)
89Flr (G.W4.I10)	89West Perim Spc (G.W4)	
89SSW Wall (G.W4.I11)	89West Perim Spc (G.W4)	89SW Perim Spc (G.SW5)
89ESE Wall (G.W4.I12)	89West Perim Spc (G.W4)	89South Perim Spc (G.S6)
89NNE Wall (G.W4.I13)	89West Perim Spc (G.W4)	89NNW Perim Spc (G.NNW1)
89Ceiling (G.W4.I14)	89West Perim Spc (G.W4)	89Plnm (G.11)
89Flr (G.SW5.I15)	89SW Perim Spc (G.SW5)	
89ESE Wall (G.SW5.I16)	89SW Perim Spc (G.SW5)	89South Perim Spc (G.S6)
89Ceiling (G.SW5.I17)	89SW Perim Spc (G.SW5)	89Plnm (G.11)
89Flr (G.S6.I18)	89South Perim Spc (G.S6)	
89Ceiling (G.S6.I19)	89South Perim Spc (G.S6)	89Plnm (G.11)
89Flr (G.C7.I20)	89Core Spc (G.C7)	
89SSW Wall (G.C7.I21)	89Core Spc (G.C7)	89South Perim Spc (G.S6)
89WNW Wall (G.C7.I22)	89Core Spc (G.C7)	89West Perim Spc (G.W4)
89Ceiling (G.C7.I23)	89Core Spc (G.C7)	89Plnm (G.11)
89Flr (G.C8.I24)	89Core Spc (G.C8)	
89NNE Wall (G.C8.I25)	89Core Spc (G.C8)	89ESE Perim Spc (G.ESE3)
89WNW Wall (G.C8.I26)	89Core Spc (G.C8)	89West Perim Spc (G.W4)
89Ceiling (G.C8.I27)	89Core Spc (G.C8)	89Plnm (G.11)
89Flr (G.ESE9.I28)	89ESE Perim Spc (G.ESE9)	
89SSW Wall (G.ESE9.I29)	89ESE Perim Spc (G.ESE9)	89South Perim Spc (G.S6)
89Ceiling (G.ESE9.I30)	89ESE Perim Spc (G.ESE9)	89Plnm (G.11)
89Flr (G.C10.I31)	89Core Spc (G.C10)	
89NNE Wall (G.C10.I32)	89Core Spc (G.C10)	89ESE Perim Spc (G.ESE3)
89WNW Wall (G.C10.I33)	89Core Spc (G.C10)	89Core Spc (G.C8)
89NNE Wall (G.C10.I34)	89Core Spc (G.C10)	89Core Spc (G.C8)
89WNW Wall (G.C10.I35)	89Core Spc (G.C10)	89West Perim Spc (G.W4)
89SSW Wall (G.C10.I36)	89Core Spc (G.C10)	89Core Spc (G.C7)
89WNW Wall (G.C10.I37)	89Core Spc (G.C10)	89Core Spc (G.C7)
89SSW Wall (G.C10.I38)	89Core Spc (G.C10)	89South Perim Spc (G.S6)
89ESE Wall (G.C10.I39)	89Core Spc (G.C10)	89ESE Perim Spc (G.ESE9)
89SSW Wall (G.C10.I40)	89Core Spc (G.C10)	89ESE Perim Spc (G.ESE9)
89Ceiling (G.C10.I41)	89Core Spc (G.C10)	89Plnm (G.11)
89DBFlr (G.WNW1.I1)	89DBWNW Perim Spc (G.WNW1)	
89DBCeiling (G.WNW1.I2)	89DBWNW Perim Spc (G.WNW1)	89DBPlnm (G.2)
90Flr (G.NNW1.I1)	90NNW Perim Spc (G.NNW1)	
90Ceiling (G.NNW1.I2)	90NNW Perim Spc (G.NNW1)	90Plnm (G.11)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

ADJACENT SPACES

SURFACE NAME	SPACE-1	SPACE-2
90Flr (G.NE2.I3)	90NE Perim Spc (G.NE2)	
90WNW Wall (G.NE2.I4)	90NE Perim Spc (G.NE2)	90NNW Perim Spc (G.NNW1)
90Ceiling (G.NE2.I5)	90NE Perim Spc (G.NE2)	90Plnm (G.11)
90Flr (G.ESE3.I6)	90ESE Perim Spc (G.ESE3)	
90NNE Wall (G.ESE3.I7)	90ESE Perim Spc (G.ESE3)	90NE Perim Spc (G.NE2)
90WNW Wall (G.ESE3.I8)	90ESE Perim Spc (G.ESE3)	90NNW Perim Spc (G.NNW1)
90Ceiling (G.ESE3.I9)	90ESE Perim Spc (G.ESE3)	90Plnm (G.11)
90Flr (G.W4.I10)	90West Perim Spc (G.W4)	
90SSW Wall (G.W4.I11)	90West Perim Spc (G.W4)	90SW Perim Spc (G.SW5)
90ESE Wall (G.W4.I12)	90West Perim Spc (G.W4)	90South Perim Spc (G.S6)
90NNE Wall (G.W4.I13)	90West Perim Spc (G.W4)	90NNW Perim Spc (G.NNW1)
90Ceiling (G.W4.I14)	90West Perim Spc (G.W4)	90Plnm (G.11)
90Flr (G.SW5.I15)	90SW Perim Spc (G.SW5)	
90ESE Wall (G.SW5.I16)	90SW Perim Spc (G.SW5)	90South Perim Spc (G.S6)
90Ceiling (G.SW5.I17)	90SW Perim Spc (G.SW5)	90Plnm (G.11)
90Flr (G.S6.I18)	90South Perim Spc (G.S6)	
90Ceiling (G.S6.I19)	90South Perim Spc (G.S6)	90Plnm (G.11)
90Flr (G.C7.I20)	90Core Spc (G.C7)	
90SSW Wall (G.C7.I21)	90Core Spc (G.C7)	90South Perim Spc (G.S6)
90WNW Wall (G.C7.I22)	90Core Spc (G.C7)	90West Perim Spc (G.W4)
90Ceiling (G.C7.I23)	90Core Spc (G.C7)	90Plnm (G.11)
90Flr (G.C8.I24)	90Core Spc (G.C8)	
90NNE Wall (G.C8.I25)	90Core Spc (G.C8)	90ESE Perim Spc (G.ESE3)
90WNW Wall (G.C8.I26)	90Core Spc (G.C8)	90West Perim Spc (G.W4)
90Ceiling (G.C8.I27)	90Core Spc (G.C8)	90Plnm (G.11)
90Flr (G.ESE9.I28)	90ESE Perim Spc (G.ESE9)	
90SSW Wall (G.ESE9.I29)	90ESE Perim Spc (G.ESE9)	90South Perim Spc (G.S6)
90Ceiling (G.ESE9.I30)	90ESE Perim Spc (G.ESE9)	90Plnm (G.11)
90Flr (G.C10.I31)	90Core Spc (G.C10)	
90NNE Wall (G.C10.I32)	90Core Spc (G.C10)	90ESE Perim Spc (G.ESE3)
90WNW Wall (G.C10.I33)	90Core Spc (G.C10)	90Core Spc (G.C8)
90NNE Wall (G.C10.I34)	90Core Spc (G.C10)	90Core Spc (G.C8)
90WNW Wall (G.C10.I35)	90Core Spc (G.C10)	90West Perim Spc (G.W4)
90SSW Wall (G.C10.I36)	90Core Spc (G.C10)	90Core Spc (G.C7)
90WNW Wall (G.C10.I37)	90Core Spc (G.C10)	90Core Spc (G.C7)
90SSW Wall (G.C10.I38)	90Core Spc (G.C10)	90South Perim Spc (G.S6)
90ESE Wall (G.C10.I39)	90Core Spc (G.C10)	90ESE Perim Spc (G.ESE9)
90SSW Wall (G.C10.I40)	90Core Spc (G.C10)	90ESE Perim Spc (G.ESE9)
90Ceiling (G.C10.I41)	90Core Spc (G.C10)	90Plnm (G.11)
91Flr (G.NNW1.I1)	91NNW Perim Spc (G.NNW1)	
91Ceiling (G.NNW1.I2)	91NNW Perim Spc (G.NNW1)	91Plnm (G.12)
91Flr (G.NE2.I3)	91NE Perim Spc (G.NE2)	
91WNW Wall (G.NE2.I4)	91NE Perim Spc (G.NE2)	91NNW Perim Spc (G.NNW1)
91Ceiling (G.NE2.I5)	91NE Perim Spc (G.NE2)	91Plnm (G.12)
91Flr (G.C3.I6)	91Core Spc (G.C3)	
91NNE Wall (G.C3.I7)	91Core Spc (G.C3)	91NE Perim Spc (G.NE2)
91WNW Wall (G.C3.I8)	91Core Spc (G.C3)	91NNW Perim Spc (G.NNW1)
91ESE Wall (G.C3.I9)	91Core Spc (G.C3)	91ESE Perim Spc (G.ESE11)
91Ceiling (G.C3.I10)	91Core Spc (G.C3)	91Plnm (G.12)
91Flr (G.W4.I11)	91West Perim Spc (G.W4)	
91SSW Wall (G.W4.I12)	91West Perim Spc (G.W4)	91SW Perim Spc (G.SW5)
91ESE Wall (G.W4.I13)	91West Perim Spc (G.W4)	91South Perim Spc (G.S6)
91NNE Wall (G.W4.I14)	91West Perim Spc (G.W4)	91NNW Perim Spc (G.NNW1)
91Ceiling (G.W4.I15)	91West Perim Spc (G.W4)	91Plnm (G.12)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

ADJACENT SPACES		
SURFACE NAME	SPACE-1	SPACE-2
91Flr (G.SW5.I16)	91SW Perim Spc (G.SW5)	
91ESE Wall (G.SW5.I17)	91SW Perim Spc (G.SW5)	91South Perim Spc (G.S6)
91Ceiling (G.SW5.I18)	91SW Perim Spc (G.SW5)	91Plnm (G.12)
91Flr (G.S6.I19)	91South Perim Spc (G.S6)	
91Ceiling (G.S6.I20)	91South Perim Spc (G.S6)	91Plnm (G.12)
91Flr (G.C7.I21)	91Core Spc (G.C7)	
91SSW Wall (G.C7.I22)	91Core Spc (G.C7)	91South Perim Spc (G.S6)
91WNW Wall (G.C7.I23)	91Core Spc (G.C7)	91West Perim Spc (G.W4)
91Ceiling (G.C7.I24)	91Core Spc (G.C7)	91Plnm (G.12)
91Flr (G.C8.I25)	91Core Spc (G.C8)	
91NNE Wall (G.C8.I26)	91Core Spc (G.C8)	91Core Spc (G.C3)
91WNW Wall (G.C8.I27)	91Core Spc (G.C8)	91West Perim Spc (G.W4)
91Ceiling (G.C8.I28)	91Core Spc (G.C8)	91Plnm (G.12)
91Flr (G.C9.I29)	91Core Spc (G.C9)	
91SSW Wall (G.C9.I30)	91Core Spc (G.C9)	91South Perim Spc (G.S6)
91ESE Wall (G.C9.I31)	91Core Spc (G.C9)	91ESE Perim Spc (G.ESE11)
91Ceiling (G.C9.I32)	91Core Spc (G.C9)	91Plnm (G.12)
91Flr (G.C10.I33)	91Core Spc (G.C10)	
91SSW Wall (G.C10.I34)	91Core Spc (G.C10)	91Core Spc (G.C7)
91WNW Wall (G.C10.I35)	91Core Spc (G.C10)	91Core Spc (G.C7)
91SSW Wall (G.C10.I36)	91Core Spc (G.C10)	91South Perim Spc (G.S6)
91ESE Wall (G.C10.I37)	91Core Spc (G.C10)	91Core Spc (G.C9)
91SSW Wall (G.C10.I38)	91Core Spc (G.C10)	91Core Spc (G.C9)
91ESE Wall (G.C10.I39)	91Core Spc (G.C10)	91ESE Perim Spc (G.ESE11)
91NNE Wall (G.C10.I40)	91Core Spc (G.C10)	91Core Spc (G.C3)
91WNW Wall (G.C10.I41)	91Core Spc (G.C10)	91Core Spc (G.C8)
91NNE Wall (G.C10.I42)	91Core Spc (G.C10)	91Core Spc (G.C8)
91WNW Wall (G.C10.I43)	91Core Spc (G.C10)	91West Perim Spc (G.W4)
91Ceiling (G.C10.I44)	91Core Spc (G.C10)	91Plnm (G.12)
91Flr (G.ESE11.I45)	91ESE Perim Spc (G.ESE11)	
91SSW Wall (G.ESE11.I46)	91ESE Perim Spc (G.ESE11)	91South Perim Spc (G.S6)
91Ceiling (G.ESE11.I47)	91ESE Perim Spc (G.ESE11)	91Plnm (G.12)
92Flr (G.NNW1.I1)	92NNW Perim Spc (G.NNW1)	
92Ceiling (G.NNW1.I2)	92NNW Perim Spc (G.NNW1)	92Plnm (G.12)
92Flr (G.NE2.I3)	92NE Perim Spc (G.NE2)	
92WNW Wall (G.NE2.I4)	92NE Perim Spc (G.NE2)	92NNW Perim Spc (G.NNW1)
92Ceiling (G.NE2.I5)	92NE Perim Spc (G.NE2)	92Plnm (G.12)
92Flr (G.C3.I6)	92Core Spc (G.C3)	
92NNE Wall (G.C3.I7)	92Core Spc (G.C3)	92NE Perim Spc (G.NE2)
92WNW Wall (G.C3.I8)	92Core Spc (G.C3)	92NNW Perim Spc (G.NNW1)
92ESE Wall (G.C3.I9)	92Core Spc (G.C3)	92ESE Perim Spc (G.ESE11)
92Ceiling (G.C3.I10)	92Core Spc (G.C3)	92Plnm (G.12)
92Flr (G.W4.I11)	92West Perim Spc (G.W4)	
92SSW Wall (G.W4.I12)	92West Perim Spc (G.W4)	92SW Perim Spc (G.SW5)
92ESE Wall (G.W4.I13)	92West Perim Spc (G.W4)	92South Perim Spc (G.S6)
92NNE Wall (G.W4.I14)	92West Perim Spc (G.W4)	92NNW Perim Spc (G.NNW1)
92Ceiling (G.W4.I15)	92West Perim Spc (G.W4)	92Plnm (G.12)
92Flr (G.SW5.I16)	92SW Perim Spc (G.SW5)	
92ESE Wall (G.SW5.I17)	92SW Perim Spc (G.SW5)	92South Perim Spc (G.S6)
92Ceiling (G.SW5.I18)	92SW Perim Spc (G.SW5)	92Plnm (G.12)
92Flr (G.S6.I19)	92South Perim Spc (G.S6)	
92Ceiling (G.S6.I20)	92South Perim Spc (G.S6)	92Plnm (G.12)
92Flr (G.C7.I21)	92Core Spc (G.C7)	
92SSW Wall (G.C7.I22)	92Core Spc (G.C7)	92South Perim Spc (G.S6)

REPORT- LV-F Details of Interior Surfaces

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

ADJACENT SPACES

SURFACE NAME	SPACE-1	SPACE-2
92WNW Wall (G.C7.I23)	92Core Spc (G.C7)	92West Perim Spc (G.W4)
92Ceiling (G.C7.I24)	92Core Spc (G.C7)	92Plnm (G.12)
92Flr (G.C8.I25)	92Core Spc (G.C8)	
92NNE Wall (G.C8.I26)	92Core Spc (G.C8)	92Core Spc (G.C3)
92WNW Wall (G.C8.I27)	92Core Spc (G.C8)	92West Perim Spc (G.W4)
92Ceiling (G.C8.I28)	92Core Spc (G.C8)	92Plnm (G.12)
92Flr (G.C9.I29)	92Core Spc (G.C9)	
92SSW Wall (G.C9.I30)	92Core Spc (G.C9)	92South Perim Spc (G.S6)
92ESE Wall (G.C9.I31)	92Core Spc (G.C9)	92ESE Perim Spc (G.ESE11)
92Ceiling (G.C9.I32)	92Core Spc (G.C9)	92Plnm (G.12)
92Flr (G.C10.I33)	92Core Spc (G.C10)	
92SSW Wall (G.C10.I34)	92Core Spc (G.C10)	92Core Spc (G.C7)
92WNW Wall (G.C10.I35)	92Core Spc (G.C10)	92Core Spc (G.C7)
92SSW Wall (G.C10.I36)	92Core Spc (G.C10)	92South Perim Spc (G.S6)
92ESE Wall (G.C10.I37)	92Core Spc (G.C10)	92Core Spc (G.C9)
92SSW Wall (G.C10.I38)	92Core Spc (G.C10)	92Core Spc (G.C9)
92ESE Wall (G.C10.I39)	92Core Spc (G.C10)	92ESE Perim Spc (G.ESE11)
92NNE Wall (G.C10.I40)	92Core Spc (G.C10)	92Core Spc (G.C3)
92WNW Wall (G.C10.I41)	92Core Spc (G.C10)	92Core Spc (G.C8)
92NNE Wall (G.C10.I42)	92Core Spc (G.C10)	92Core Spc (G.C8)
92WNW Wall (G.C10.I43)	92Core Spc (G.C10)	92West Perim Spc (G.W4)
92Ceiling (G.C10.I44)	92Core Spc (G.C10)	92Plnm (G.12)
92Flr (G.ESE11.I45)	92ESE Perim Spc (G.ESE11)	
92SSW Wall (G.ESE11.I46)	92ESE Perim Spc (G.ESE11)	92South Perim Spc (G.S6)
92Ceiling (G.ESE11.I47)	92ESE Perim Spc (G.ESE11)	92Plnm (G.12)

REPORT- LV-H Details of Windows

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

WINDOW NAME	SETBACK (FT)	GLASS SHADING COEFF	NUMBER OF PANES	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS	GLASS SOLAR TRANS	SURFACE TO ROUGH OPEN AREA RATIO
91ESE Win (G.S6.E11.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92WNW Win (G.NNW1.E1.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92NNE Win (G.NNW1.E2.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92WNW Win (G.NNW1.E3.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92NNE Win (G.NNW1.E4.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92ESE Win (G.NE2.E5.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000
92NNE Win (G.NE2.E6.W1)	0.00	0.40	1	0.365	0.620	0.878	1.000

REPORT- LV-I Details of Constructions

WEATHER FILE- New York CityNY TMY2

NUMBER OF CONSTRUCTIONS 26 DELAYED 23 QUICK 3

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
EWall Construction	0.050	0.60	1	QUICK	0
Ceilg Construction	0.847	0.70	3	DELAYED	5
IWall Construction	2.700	0.70	3	QUICK	0
IFlr Construction	0.813	0.70	3	DELAYED	5
lMGFlr Construction	0.085	0.70	3	DELAYED	7
SC3UFCons (B.N1.U2)	0.010	0.70	3	DELAYED	43
SC3UWCons (B.N1.U2)	0.194	0.70	3	DELAYED	35
SC2UWCons (B.WNW1.U2)	0.139	0.70	3	DELAYED	38
SC1UWCons (B.WNW1.U2)	0.111	0.70	3	DELAYED	39
GUFCons (G.NW1.U2)	0.096	0.70	3	DELAYED	39
GUFCons (G.NW2.U3)	0.020	0.70	3	DELAYED	42
GUFCons (G.NNE3.U4)	0.077	0.70	3	DELAYED	40
GUFCons (G.SSW4.U5)	0.074	0.70	3	DELAYED	40
GUFCons (G.W5.U6)	0.054	0.70	3	DELAYED	41
GUFCons (G.E6.U7)	0.073	0.70	3	DELAYED	40
GUFCons (G.NNE7.U8)	0.017	0.70	3	DELAYED	43
GUFCons (G.W8.U9)	0.111	0.70	3	DELAYED	39
GUFCons (G.SSW9.U10)	0.079	0.70	3	DELAYED	40
GUFCons (G.ESE10.U11)	0.055	0.70	3	DELAYED	41
GUFCons (G.ESE11.U12)	0.065	0.70	3	DELAYED	41
GUFCons (G.SSW12.U13)	0.083	0.70	3	DELAYED	40
GUFCons (G.NNE15.U16)	0.040	0.70	3	DELAYED	42
Roof Construction	0.048	0.70	3	QUICK	0
Unins Wall Cons - 1.5	0.459	0.70	3	DELAYED	20
Unins Wall Cons - 2	0.373	0.70	3	DELAYED	30
Unins Wall Cons - 5.5	0.176	0.70	3	DELAYED	62

REPORT- PV-A Plant Design Parameters

WEATHER FILE- New York CityNY TMY2

*** CIRCULATION LOOPS ***

HEATING CAPACITY (MBTU/HR)	COOLING CAPACITY (MBTU/HR)	LOOP FLOW (GAL/MIN)	TOTAL HEAD (FT)	SUPPLY UA PRODUCT (BTU/HR-F)	SUPPLY LOSS DT (F)	RETURN UA PRODUCT (BTU/HR-F)	RETURN LOSS DT (F)	LOOP VOLUME (GAL)	FLUID HEAT CAPACITY (BTU/LB-F)
Res PCW -28.541	45.752	9009.7	61.6	0.0	0.00	0.0	0.00	13514.6	1.00
Upper Res PHW -12.819	0.000	843.4	41.6	0.0	0.00	0.0	0.00	1265.1	1.00
Lower Res PHW -7.807	0.000	468.6	41.6	0.0	0.00	0.0	0.00	702.9	1.00
Retail Elec DHW Loop -0.086	0.000	2.2	0.0	0.0	0.00	0.0	0.00	3.2	1.00
Retail PHW -18.502	0.000	1234.0	41.6	0.0	0.00	0.0	0.00	1851.0	1.00
Retail CHW Loop 0.000	17.730	3491.9	56.6	0.0	0.00	0.0	0.00	5237.9	1.00
Penthouse CHW Loop 0.000	0.359	70.9	56.6	0.0	0.00	0.0	0.00	106.4	1.00
___SCW 90 -5.886	7.903	1560.7	41.6	0.0	0.00	0.0	0.00	2341.0	1.00
___SCW 67 -6.034	8.475	1675.0	41.6	0.0	0.00	0.0	0.00	2512.4	1.00
___SCW 46 -16.833	28.007	5543.3	41.6	0.0	0.00	0.0	0.00	8314.9	1.00
___SHW FTR 90 -4.352	0.000	291.5	31.6	0.0	0.00	0.0	0.00	437.3	1.00
___SHW DHW 90 -0.081	0.000	2.3	21.6	0.0	0.00	0.0	0.00	3.5	1.00
___SHW FTR 67 -4.015	0.000	268.1	31.6	0.0	0.00	0.0	0.00	402.2	1.00
___SHW DHW 67 -0.081	0.000	2.3	21.6	0.0	0.00	0.0	0.00	3.5	1.00
___SHW FTR 46 -3.593	0.000	239.8	31.6	0.0	0.00	0.0	0.00	359.7	1.00
___SHW DHW 46 -0.081	0.000	2.3	21.6	0.0	0.00	0.0	0.00	3.5	1.00
___SHW FTR 11 -3.306	0.000	220.9	31.6	0.0	0.00	0.0	0.00	331.3	1.00

REPORT- PV-A Plant Design Parameters

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

___SHW DHW 11	0.000	5.8	21.6	0.0	0.00	0.0	0.00	8.7	1.00
-0.204									

___SHW DHW 7	0.000	5.8	21.6	0.0	0.00	0.0	0.00	8.7	1.00
-0.204									

*** PUMPS ***

ATTACHED TO	FLOW (GAL/MIN)	HEAD (FT)	HEAD SETPOINT (FT)	CAPACITY CONTROL	POWER (KW)	MECHANICAL EFFICIENCY (FRAC)	MOTOR EFFICIENCY (FRAC)
Res PCW Pump	4 PUMP(s)						
Res PCW	8000.0	150.0	42.6	VFD&STAGED	276.020	0.910	0.900
PRIMARY LOOP							
SCW 90 Pump	1 PUMP(s)						
___SCW 90	1060.0	125.0	42.6	VAR-SPEED	30.477	0.910	0.900
SECONDARY LOOP							
SCW 67 Pump	1 PUMP(s)						
___SCW 67	1060.0	125.0	42.6	VAR-SPEED	30.477	0.910	0.900
SECONDARY LOOP							
SCW 46 Pump	1 PUMP(s)						
___SCW 46	3040.0	125.0	42.6	VAR-SPEED	87.406	0.910	0.900
SECONDARY LOOP							
Upper Res PHW Pump	4 PUMP(s)						
Upper Res PHW	1520.0	125.0	32.6	VFD&STAGED	43.703	0.910	0.900
PRIMARY LOOP							
SHW FTR 90 Pump	1 PUMP(s)						
___SHW FTR 90	430.0	80.0	32.6	VAR-SPEED	7.913	0.910	0.900
SECONDARY LOOP							
SHW DHW 90 Pump	1 PUMP(s)						
___SHW DHW 90	2.3	80.0	22.6	VAR-SPEED	0.043	0.910	0.900
SECONDARY LOOP							
SHW FTR 67 Pump	1 PUMP(s)						
___SHW FTR 67	200.0	70.0	32.6	VAR-SPEED	3.220	0.910	0.900
SECONDARY LOOP							
SHW DHW 67 Pump	1 PUMP(s)						
___SHW DHW 67	2.3	80.0	22.6	VAR-SPEED	0.043	0.910	0.900
SECONDARY LOOP							
SHW FTR 46 Pump	1 PUMP(s)						
___SHW FTR 46	140.0	70.0	32.6	VAR-SPEED	2.254	0.910	0.900
SECONDARY LOOP							
SHW DHW 46 Pump	1 PUMP(s)						
___SHW DHW 46	2.3	80.0	22.6	VAR-SPEED	0.043	0.910	0.900
SECONDARY LOOP							
Lower Res PHW Pump	4 PUMP(s)						
Lower Res PHW	1900.0	125.0	32.6	VFD&STAGED	54.629	0.910	0.900
PRIMARY LOOP							

REPORT- PV-A Plant Design Parameters

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

SHW FTR 11 Pump __SHW FTR 11 SECONDARY LOOP	1 PUMP(s) 195.0	70.0	32.6	VAR-SPEED	3.140	0.910	0.900
SHW DHW 11 Pump __SHW DHW 11 SECONDARY LOOP	1 PUMP(s) 5.8	80.0	22.6	VAR-SPEED	0.107	0.910	0.900
SHW DHW 7 Pump __SHW DHW 7 SECONDARY LOOP	1 PUMP(s) 5.8	80.0	22.6	VAR-SPEED	0.107	0.910	0.900
Retail PHW Pump Retail PHW PRIMARY LOOP	1 PUMP(s) 400.0	80.0	32.6	VAR-SPEED	7.361	0.910	0.900
Penthouse CHW Pump Penthouse WC Chiller EVAPORATOR PRIMARY	1 PUMP(s) 78.0	70.0	0.0	ONE-SPEED	1.670	0.770	0.800
Retail CHW Pump Retail CHW Loop PRIMARY LOOP	1 PUMP(s) 3841.1	80.0	0.0	ONE-SPEED	83.533	0.770	0.900

*** PRIMARY EQUIPMENT ***

EQUIPMENT TYPE	ATTACHED TO	RATED CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	RATED EIR (FRAC)	RATED HIR (FRAC)	AUXILIARY (KW)
B-67M-6 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-67M-5 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-67M-4 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-67M-3 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-67M-2 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-67M-1 HW-CONDENSING	Upper Res PHW	-5.610	369.1	0.000	1.045	0.000
B-7-1 HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000
B-7-2 HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000
B-7-3 HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000
B-7-4 HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000

REPORT- PV-A Plant Design Parameters

WEATHER FILE- New York CityNY TMY2

----- (CONTINUED) -----

B-7-5	HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000
B-7-6	HW-CONDENSING	Lower Res PHW	-5.610	336.8	0.000	1.045	0.000
B-6-1	HW-CONDENSING	Retail PHW	-5.610	374.2	0.000	1.045	0.000
B-6-2	HW-CONDENSING	Retail PHW	-5.610	374.2	0.000	1.045	0.000
Fake - HP Loop Boiler	HW-CONDENSING	Res PCW	0.000	0.0	0.000	1.074	0.000
Retail Chiller 1	ELEC-OPEN-CENT	Retail CHW Loop	3.390	699.4	0.324	0.000	0.000
Retail Chiller 2	ELEC-OPEN-CENT	Retail CHW Loop	3.390	699.4	0.324	0.000	0.000
Retail Chiller 3	ELEC-OPEN-CENT	Retail CHW Loop	3.390	699.4	0.324	0.000	0.000
Penthouse WC Chiller	ELEC-OPEN-CENT	Penthouse CHW Loop	1.149	190.9	0.201	0.000	0.000
		Res PCW	1.155	230.8			

*** COOLING TOWERS ***

EQUIPMENT TYPE	ATTACHED TO	CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	NUMBER OF CELLS	FAN POWER PER CELL (KW)	SPRAY PWR PER CELL (KW)	AUXILIARY (KW)
C-TR-1 OPEN-TWR	Res PCW	15.000	2997.6	1	46.154	0.000	0.000
C-TR-2 OPEN-TWR	Res PCW	15.000	2997.6	1	46.154	0.000	0.000
C-TR-3 OPEN-TWR	Res PCW	15.000	2997.6	1	46.154	0.000	0.000

*** DW-HEATERS ***

EQUIPMENT TYPE	ATTACHED TO	CAPACITY (MBTU/HR)	FLOW (GAL/MIN)	EIR (FRAC)	HIR (FRAC)	AUXILIARY (KW)	TANK (GAL)	TANK UA (BTU/HR-F)
Nordstrom Elec DHW Heater								
ELEC DW-HEATER	Retail Elec DHW Loop	-0.086	2.2	1.000	0.000	0.000	150.0	15.00

REPORT- SV-A System Design Parameters for SC2 (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
VAVS	1.000	28708.8	574.	0.241	1393.404	0.681	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	36181.	1.00	23.728	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC2WNW Perim Zn (B.WNW1)	2236.	0.	0.000	0.278	622.	0.00	0.00	50.70	-60.36	-30.18	1.
SC2NNE Perim Zn (B.NNE2)	4467.	0.	0.000	0.186	829.	0.00	0.00	101.31	-120.60	-60.30	1.
SC2Core Zn (B.C4)	8499.	0.	0.000	0.278	2365.	0.00	0.00	192.77	-229.49	-114.74	1.
SC2SW Perim Zn (B.SW5)	1132.	0.	0.000	0.278	315.	0.00	0.00	25.66	-30.55	-15.28	1.
SC2Core Zn (B.C9)	9951.	0.	0.000	0.278	2769.	0.00	0.00	225.69	-268.68	-134.34	1.
SC2Core Zn (B.C11)	9897.	0.	0.000	0.186	1836.	0.00	0.00	224.46	-267.21	-133.61	1.
SC2WNW Perim Zn (B.WNW6)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
SC2Core Zn (B.C10)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for SC1 (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
VAVS	1.000	34393.6	688.	0.267	1489.046	0.678	0.000	0.000	0.000	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	38332.	1.00	25.138	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC1WNW Perim Zn (B.WNW1)	2236.	0.	0.000	0.278	622.	0.00	0.00	50.70	-60.36	-30.18	1.
SC1NNE Perim Zn (B.NNE2)	4467.	0.	0.000	0.186	829.	0.00	0.00	101.31	-120.60	-60.30	1.
SC1Core Zn (B.C4)	8499.	0.	0.000	0.278	2365.	0.00	0.00	192.77	-229.49	-114.74	1.
SC1SW Perim Zn (B.SW5)	1132.	0.	0.000	0.278	315.	0.00	0.00	25.66	-30.55	-15.28	1.
SC1SSW Perim Zn (B.SSW7)	2338.	0.	0.000	0.278	651.	0.00	0.00	53.03	-63.13	-31.57	1.
SC1ESE Perim Zn (B.ESE8)	3111.	0.	0.000	0.278	866.	0.00	0.00	70.56	-84.00	-42.00	1.
SC1Core Zn (B.C9)	9951.	0.	0.000	0.278	2769.	0.00	0.00	225.69	-268.68	-134.34	1.
SC1Core Zn (B.C11)	6598.	0.	0.000	0.278	1836.	0.00	0.00	149.64	-178.14	-89.07	1.
SC1Core Zn (B.C3)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
SC1WNW Perim Zn (B.WNW6)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
SC1Core Zn (B.C10)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for Cellar (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
VAVS	1.000	30278.4	606.	0.256	1418.052	0.679	0.000	0.000	0.000	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	36665.	1.00	24.045	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
CWNW Perim Zn (B.WNW1)	2430.	0.	0.000	0.256	622.	0.00	0.00	55.11	-65.61	-32.81	1.
CNNE Perim Zn (B.NNE2)	3237.	0.	0.000	0.256	829.	0.00	0.00	73.41	-87.39	-43.70	1.
CCore Zn (B.C4)	9239.	0.	0.000	0.256	2365.	0.00	0.00	209.53	-249.44	-124.72	1.
CSW Perim Zn (B.SW5)	1230.	0.	0.000	0.256	315.	0.00	0.00	27.90	-33.21	-16.61	1.
CSSW Perim Zn (B.SSW7)	2542.	0.	0.000	0.256	651.	0.00	0.00	57.64	-68.62	-34.31	1.
CCore Zn (B.C9)	10817.	0.	0.000	0.256	2769.	0.00	0.00	245.32	-292.05	-146.02	1.
CCore Zn (B.C11)	7172.	0.	0.000	0.256	1836.	0.00	0.00	162.65	-193.63	-96.82	1.
CCore Zn (B.C3)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for Ground (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
VAVS	1.000	66082.3	638.	0.135	2316.279	0.696	0.000	0.000	0.000	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	63004.	1.00	41.319	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
GNW Perim Zn (G.NW2)	8055.	0.	0.000	0.107	859.	0.00	0.00	182.68	-260.97	-133.74	1.
GNNE Perim Zn (G.NNE3)	3694.	0.	0.000	0.107	394.	0.00	0.00	83.79	-37.50	(BASEBOARDS)	1.
GEast Perim Zn (G.E6)	1582.	0.	0.000	0.186	293.	0.00	0.00	35.88	-119.70	-74.87	1.
GWest Perim Zn (G.W8)	1661.	0.	0.000	0.094	156.	0.00	0.00	37.68	-37.50	(BASEBOARDS)	1.
GSSW Perim Zn (G.SSW9)	2996.	0.	0.000	0.107	320.	0.00	0.00	67.95	-51.26	-46.36	1.
GESE Perim Zn (G.ESE10)	1011.	0.	0.000	0.142	144.	0.00	0.00	22.92	-37.50	(BASEBOARDS)	1.
GSSW Perim Zn (G.SSW12)	5731.	0.	0.000	0.104	599.	0.00	0.00	129.97	-53.82	-47.43	1.
GCore Zn (G.C13)	5423.	0.	0.000	0.186	1006.	0.00	0.00	122.99	-97.07	-65.44	1.
GCore Zn (G.C14)	1744.	0.	0.000	0.107	186.	0.00	0.00	39.54	-37.50	(BASEBOARDS)	1.
GNNE Perim Zn (G.NNE15)	6548.	0.	0.000	0.107	698.	0.00	0.00	148.50	-56.49	-48.54	1.
GCore Zn (G.C16)	13128.	0.	0.000	0.107	1400.	0.00	0.00	297.75	-212.14	-113.39	1.
GCore Zn (G.C17)	11432.	0.	0.000	0.213	2439.	0.00	0.00	259.29	-37.50	(BASEBOARDS)	1.
GNW Perim Zn (G.NW1)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-425.35	-202.23	1.
GSSW Perim Zn (G.SSW4)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-370.41	-179.34	1.
GWest Perim Zn (G.W5)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-37.50	(BASEBOARDS)	1.
GNNE Perim Zn (G.NNE7)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
GPl Zn (G.18)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for 1Mezz (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
VAVS	1.000	33093.9	662.	0.235	1547.538	0.682	0.000	0.000	0.000	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	40281.	1.00	26.416	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
1MNorth Perim Zn (G.N2)	2526.	0.	0.000	0.267	674.	0.00	0.00	57.30	-81.85	-59.11	1.
1MSW Perim Zn (G.SW3)	1808.	0.	0.000	0.267	482.	0.00	0.00	41.01	-37.50	(BASEBOARDS)	1.
1MSSW Perim Zn (G.SSW5)	2697.	0.	0.000	0.267	719.	0.00	0.00	61.17	-58.59	-49.41	1.
1MNNE Perim Zn (G.NNE6)	4232.	0.	0.000	0.167	707.	0.00	0.00	95.99	-37.50	(BASEBOARDS)	1.
1MESE Perim Zn (G.ESE7)	6492.	0.	0.000	0.133	866.	0.00	0.00	147.23	-87.39	-61.41	1.
1MCore Zn (G.C10)	5304.	0.	0.000	0.267	1415.	0.00	0.00	120.30	-37.50	(BASEBOARDS)	1.
1MCore Zn (G.C11)	17221.	0.	0.000	0.267	4592.	0.00	0.00	390.56	-171.86	-96.61	1.
1MNW Perim Zn (G.NW1)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-210.33	-112.64	1.
1MSW Perim Zn (G.SW4)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-37.50	(BASEBOARDS)	1.
1MCore Zn (G.C9)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-557.95	-257.48	1.
									-37.50	(BASEBOARDS)	1.

REPORT- SV-A System Design Parameters for 3-4 (Retail)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
VAVS	1.000	72253.2	1445.	0.156	4738.169	0.693	0.000	0.000	0.000	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	127713.	1.00	83.755	2.03	3.5	0.63	0.72	DRAW-THRU	BY USER	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
25North Perim Zn (M.N18)	3632.	0.	0.000	0.186	674.	0.00	0.00	82.36	-117.66	-74.03	2.
25SSW Perim Zn (M.SSW21)	8704.	0.	0.000	0.081	703.	0.00	0.00	197.41	-37.50	(BASEBOARDS)	2.
25Core Zn (M.C22)	8671.	0.	0.000	0.213	1850.	0.00	0.00	196.65	-282.01	-142.50	2.
25West Perim Zn (M.W23)	2030.	0.	0.000	0.077	156.	0.00	0.00	46.04	-37.50	(BASEBOARDS)	2.
25SSW Perim Zn (M.SSW24)	1534.	0.	0.000	0.208	320.	0.00	0.00	34.78	-280.93	-142.05	2.
25ESE Perim Zn (M.ESE25)	4473.	0.	0.000	0.107	477.	0.00	0.00	101.46	-37.50	(BASEBOARDS)	2.
25ESE Perim Zn (M.ESE26)	2732.	0.	0.000	0.142	389.	0.00	0.00	61.96	-65.78	-52.41	2.
25NNE Perim Zn (M.NNE27)	4543.	0.	0.000	0.115	522.	0.00	0.00	103.05	-49.69	-45.70	2.
25NNE Perim Zn (M.NNE28)	1780.	0.	0.000	0.104	185.	0.00	0.00	40.38	-37.50	(BASEBOARDS)	2.
25Core Zn (M.C31)	14022.	0.	0.000	0.213	2991.	0.00	0.00	318.03	-144.94	-85.39	2.
25Core Zn (M.C32)	11735.	0.	0.000	0.142	1669.	0.00	0.00	266.15	-37.50	(BASEBOARDS)	2.
25NW Perim Zn (M.NW17)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-380.21	-183.42	2.
25SSW Perim Zn (M.SSW19)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	-37.50	(BASEBOARDS)	2.
25West Perim Zn (M.W20)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	2.
25Core Zn (M.C29)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	2.
25Core Zn (M.C30)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	2.

2026Core Zn (M.C18)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	5.
2026Pl Zn (M.28)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	5.
2026Core Zn (T.C29)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for HP Lower Res

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

2026Core Zn (T.C30)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
2026Core Zn (T.C31)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
2026Core Zn (T.C32)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
2026Pl Zn (T.42)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for	HP Low-Mid Res	WEATHER FILE- New York CityNY TMY2 (CONTINUED)									
3744Core Zn (M.C14)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	8.
3744Core Zn (M.C15)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	8.
3744Core Zn (M.C16)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	8.
3744Pl Zn (M.26)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	8.
45Core Zn (T.C27)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
45Core Zn (T.C28)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
45Core Zn (T.C29)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
45Pl Zn (T.39)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for HP Upp-Mid Res

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

4856Pl Zn (M.26)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	9.
5765Core Zn (M.C22)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	9.
5765Core Zn (M.C23)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	9.
5765Core Zn (M.C24)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	9.
5765Pl Zn (M.26)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	9.
66Core Zn (T.C35)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
66Core Zn (T.C36)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
66Core Zn (T.C37)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.
66Pl Zn (T.39)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for SC3 (AC-SC3-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
PVAVS	1.000	311.1	1.	0.300	14.785	0.629	-13.761	0.275	0.370	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	358.	1.00	0.251	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC3ESE Perim Zn (B.ESE7)	358.	0.	0.000	0.300	107.	0.00	0.00	8.11	-9.66	-4.83	1.

REPORT- SV-A System Design Parameters for SC3 (AC-SC3-2)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)		
PVAVS	1.000	483.5	2.	0.300	91.255	0.632	-84.935	0.275	0.370	0.000		
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)	
SUPPLY	2227.	1.00	1.560	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30	
ZONE NAME	SUPPLY FLOW (CFM)		EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC3Core Zn (B.C6)	2227.		0.	0.000	0.300	668.	0.00	0.00	50.50	-60.12	-30.06	1.

REPORT- SV-A System Design Parameters for SC3 (AC-SC3-3)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	396.9	2.	0.300	18.860	0.629	-17.554	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	456.	1.00	0.320	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC3Core Zn (B.C3)	199.	0.	0.000	0.300	60.	0.00	0.00	4.52	-5.38	-2.69	1.
SC3Core Zn (B.C5)	257.	0.	0.000	0.300	77.	0.00	0.00	5.84	-6.95	-3.47	1.

REPORT- SV-A System Design Parameters for SC3 (AC-SC3-4)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	15940.2	64.	0.300	757.502	0.629	-705.040	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	18331.	1.00	12.847	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC3North Perim Zn (B.N1)	9052.	0.	0.000	0.300	2716.	0.00	0.00	205.30	-244.41	-122.20	1.
SC3SSW Perim Zn (B.SSW2)	9076.	0.	0.000	0.300	2723.	0.00	0.00	205.83	-245.04	-122.52	1.
SC3Core Zn (B.C4)	204.	0.	0.000	0.300	61.	0.00	0.00	4.62	-5.50	-2.75	1.

REPORT- SV-A System Design Parameters for SC2 (AC-SC2-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
PVAVS	1.000	946.4	19.	0.300	46.652	0.618	-43.421	0.275	0.370	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1088.	1.00	0.763	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC2Core Zn (B.C3)	1088.	0.	0.000	0.300	327.	0.00	0.00	24.68	-29.39	-14.69	1.

REPORT- SV-A System Design Parameters for SC2 (AC-SC2-2)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	4738.5	95.	0.278	231.831	0.620	-215.775	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	5449.	1.00	3.819	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
SC2SSW Perim Zn (B.SSW7)	2338.	0.	0.000	0.278	651.	0.00	0.00	53.03	-63.13	-31.57	1.
SC2ESE Perim Zn (B.ESE8)	3111.	0.	0.000	0.278	866.	0.00	0.00	70.56	-84.00	-42.00	1.

REPORT- SV-A System Design Parameters for C (AC-C-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	2705.3	54.	0.278	132.354	0.620	-123.188	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3111.	1.00	2.180	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
CESE Perim Zn (B.ESE8)	3111.	0.	0.000	0.278	866.	0.00	0.00	70.56	-84.00	-42.00	1.

REPORT- SV-A System Design Parameters for C (AC-C-2) (AC-C-3)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
PVAVS	1.000	1076.2	22.	0.300	53.051	0.618	-49.377	0.275	0.370	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	1238.	1.00	0.867	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
CCore Zn (B.C10)	1238.	0.	0.000	0.300	371.	0.00	0.00	28.07	-33.42	-16.71	1.

REPORT- SV-A System Design Parameters for C (AC-C-4)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	333.8	7.	0.300	39.557	0.627	-36.817	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	949.	1.00	0.665	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
CWNW Perim Zn (B.WNW6)	949.	0.	0.000	0.300	285.	0.00	0.00	21.52	-25.62	-12.81	1.

REPORT- SV-A System Design Parameters for G (AC-1-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)		
PVAVS	1.000	2304.7	46.	0.278	112.181	0.622	-94.747	0.250	0.370	0.000		
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)	
SUPPLY	2650.	1.00	1.857	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30	
ZONE NAME	SUPPLY FLOW (CFM)		EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
GESE Perim Zn (G.ESE11)	2650.		0.	0.000	0.278	738.	0.00	0.00	60.11	-71.56	-35.78	1.

REPORT- SV-A System Design Parameters for 1M (AC-1-2)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
PVAVS	1.000	3032.1	61.	0.186	205.270	0.648	-191.054	0.275	0.370	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	5230.	1.00	3.665	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
1MCore Zn (G.C8)	5230.	0.	0.000	0.186	970.	0.00	0.00	118.62	-141.22	-70.61	1.

REPORT- SV-A System Design Parameters for 6MC (AC-6-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	45579.5	54.	0.000	566.805	0.738	-527.549	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	17656.	1.00	12.377	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCWSW Perim Zn (G.WSW1)	4478.	0.	0.000	0.001	0.	0.00	0.00	101.57	-120.92	-60.46	1.
6MCNorth Perim Zn (G.N2)	3209.	0.	0.000	0.001	0.	0.00	0.00	72.78	-86.64	-43.32	1.
6MCCore Zn (G.C8)	5603.	0.	0.000	0.001	0.	0.00	0.00	127.07	-151.28	-75.64	1.
6MCCore Zn (G.C10)	4366.	0.	0.000	0.001	0.	0.00	0.00	99.03	-117.89	-58.94	1.
6MCP1 Zn (G.11)	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.

REPORT- SV-A System Design Parameters for 6MC (AC-6-2)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	801.8	3.	0.300	38.577	0.625	-35.905	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	922.	1.00	0.646	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCNW Perim Zn (G.NW3)	922.	0.	0.000	0.300	277.	0.00	0.00	20.91	-24.89	-12.45	1.

REPORT- SV-A System Design Parameters for 6MC (AC-6-3)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	1936.7	8.	0.300	107.285	0.627	-99.855	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2575.	1.00	1.805	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCSSW Perim Zn (G.SSW6)	2575.	0.	0.000	0.300	773.	0.00	0.00	58.41	-69.53	-34.77	1.

REPORT- SV-A System Design Parameters for 6MC (AC-6-4) (AC-6-5)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	8247.1	33.	0.300	391.954	0.629	-364.809	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	9484.	1.00	6.646	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCCore Zn (G.C7)	9484.	0.	0.000	0.300	2845.	0.00	0.00	215.10	-256.07	-128.04	1.

REPORT- SV-A System Design Parameters for 7MC (AC-7-1)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	2323.9	9.	0.300	111.627	0.626	-103.897	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2672.	1.00	1.873	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCESE Perim Zn (G.ESE5)	2672.	0.	0.000	0.300	802.	0.00	0.00	60.61	-72.16	-36.08	1.

REPORT- SV-A System Design Parameters for 7MC (AC-7-2)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	2210.3	9.	0.300	106.124	0.626	-98.774	0.275	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	2542.	1.00	1.781	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCNNE Perim Zn (G.NNE4)	2542.	0.	0.000	0.300	763.	0.00	0.00	57.65	-68.63	-34.31	1.

REPORT- SV-A System Design Parameters for 10A (AC-7-3) POOL

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
PVAVS	1.000	3297.3	13.	0.250	157.783	0.630	-117.004	0.220	0.370	0.000

FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3792.	1.00	3.674	2.99	0.0	0.00	0.00	DRAW-THRU	BY USER	1.10	0.30

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
9AWSW Perim Zn (G.WSW2)	3792.	0.	0.000	0.250	948.	0.00	0.00	86.00	-102.38 -31.25	-76.19 (BASEBOARDS)	1.

REPORT- SV-A System Design Parameters for 7MC (AC-7-6)

WEATHER FILE- New York CityNY TMY2

SYSTEM TYPE	ALTITUDE FACTOR	FLOOR AREA (SQFT)	MAX PEOPLE	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)	
PVAVS	1.000	2937.6	12.	0.300	139.615	0.629	-129.946	0.275	0.370	0.000	
FAN TYPE	CAPACITY (CFM)	DIVERSITY FACTOR (FRAC)	POWER DEMAND (KW)	FAN DELTA-T (F)	STATIC PRESSURE (IN-WATER)	TOTAL EFF (FRAC)	MECH EFF (FRAC)	FAN PLACEMENT	FAN CONTROL	MAX FAN RATIO (FRAC)	MIN FAN RATIO (FRAC)
SUPPLY	3378.	1.00	2.368	2.17	0.0	0.00	0.00	DRAW-THRU	INLET	1.10	0.30
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW (FRAC)	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (FRAC)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	ZONE MULT
6MCCore Zn (G.C9)	3378.	0.	0.000	0.300	1013.	0.00	0.00	76.62	-91.21	-45.61	1.

