



Department of Buildings
280 Broadway
New York, New York 10007
(212) 566-5000 | TTY (212) 566-4769
nyc.gov/buildings

MANHATTAN (1)
280 BROADWAY 3RD FLOOR
New York, NY 10007

BRONX (2)
1932 ARTHUR AVENUE
BRONX, NY 10457

BROOKLYN (3)
210 JORALEMON STREET
BROOKLYN, NY 11201

QUEENS (4)
120-55 QUEENS BLVD.
QUEENS, NY 11424

STATEN ISLAND (5)
BORO HALL - ST. GEORGE
STATEN ISLAND, NY 10301

Notice of Energy Code Objections

Applicant:	Date: 3/2/17
WIEPKE DAVID JANSEN	Job Application #: 121328205 DOC# 10
AAI ARCHITECTS, P.C.	Application Type: ASHRAE 90.1/ 2007 - NB
14 WALL STREET NEW YORK NY 10005	Premises Address: 217 West 57 th Street
NZIGOMANIS@ADAMSON-ASSOCIATES.COM	Zoning District:
416-967-1500	Block: x Lot: x
NYC Department of Buildings Examiner: Bruce R. Kahle, AIA bkahle@buildings.nyc.gov	

REVIEW OF 2/16/18 Set with 3/29/17 Approved set for ENERGY CODE AUDIT: OPEN ISSUES 06/22/2015

Examiner's Signature:					
To discuss and resolve these objections, please call 311 to schedule an appointment with the Plan Examiner listed above. You will need the application number and document number found at the top of this objection sheet. To make the best possible use of the Plan Examiner's and your time, please make sure you are prepared to discuss and resolve these objections before arriving for your scheduled plan examination appointment.					
Obj. #	Doc. #	Section of Code	Objections: The following are required and <u>where indicated</u> , have NOT been correctly performed by the applicant.	Date Resolved	Comments
Administrative Objections:					
1)		PW1, Sec 10	Energy analysis is checked, but other job number not listed.		Verify that related job #s are coordinated throughout
2)		TR1	"Energy Code Compliance Inspections" not checked "Yes".		Verify
3)		TR8	Mandatory and/or required inspections not checked.		Verify
Professional Statement:					
Energy Analysis: <i>This establishes how design complies with ASHRAE 90.1/2007.</i>					
4)		1 RCNY §5000-01(f)	Values provided in Analysis do not match those on drawings.		See Comments on EN-1
Supporting Documentation/Construction Documents: 1) All values developed in the energy analysis must be reflected in the construction documents. 2) All mandatory requirements must be identified in the construction documents. 3) All applicable progress inspections must be described in the construction documents.					
			<u>Envelope</u>		
5)		1 RCNY §5000-01(g)(1); 5.4.1	Drawings do not indicate insulation R or U values for below and above grade walls and wall assemblies slabs on grade, floors and roof assemblies to match Energy Analysis.		Comment on A-802.01
6)		1 RCNY §5000-01(g)(1); 5.4.2, 5.8.2	Provide U-factor and SHGC fenestration values in drawing schedules to match or be less than those provided in the Energy Analysis.		Comment on A-802.01
7)		5.4.3	Drawings do not specify mandatory provisions for air leakage, including where applicable, building envelope, fenestration and doors, loading dock weatherseals, and vestibules.		Comment on A-802.01

			<u>Mechanical</u>		
8)		6.4.2	Drawings do not address heating and cooling load calculations for deriving correct equipment size.		<i>Comment on M-000.02</i>
9)		6.4.1	No indication that proposed equipment(s) meet or exceed minimum efficiency requirements.		<i>Comment on M-500.02</i>
10)		6.4.3	Drawings do not specify all applicable required controls including, but not limited to, thermostatic zone control, deadband, off-hour, ventilation systems, heat pump auxiliary, humidification/ dehumidification, snow melt and shutdown controls.		<i>Comment on M-500.02</i>
11)		6.4.4.2	Drawings do not address duct and plenum leakages and sealing.		<i>Provide notes</i>
12)		6.4.4.1.2	Drawings do not address duct and plenum insulation.		<i>Provide notes</i>
13)		6.4.4.1.3	HVAC piping not in compliance with thermal insulation.		<i>Provide notes</i>
14)		6.7.2.4	Drawings do not include detailed instructions for HVAC/ Lighting systems commissioning.		<i>Provide notes</i>
			<u>Service Water Heating</u>		
15)		7.4.2	No indication of water heating equipment (boilers, pool heaters, hot water storage tanks) performance efficiency rating.		<i>Comment on M-500.02</i>
16)		7.4.3	No service hot-water pipe insulation indicated.		<i>Provide notes</i>
17)		7.4.4	Drawings do not indicate service water heating system controls.		<i>Provide notes at risers</i>
18)		7.4.5	Energy-conserving measures for pool not indicated.		<i>Comment on M-502.02</i>
			<u>Power/Lighting</u> Lighting INCOMPLETE- Full review pending		
		9.4.1	Provide ALL mandatory Controls and Coordinate Room labels with LPDS per Energy Model		<i>Comments on E-100.01, E-602.01 & E-605</i>
19)		9.4.1.2	Control devices to independently control general lighting within each space is missing.		<i>Comments on E-000.01</i>
20)		9.4.1.3	Drawings do not indicate photosensor, time or astronomical controls for exterior lighting.		<i>Comments on E-113.01</i>
21)		9.4.5	Compliance with exterior lighting power allowance (Watts per square foot) as per Table 9.4.5 not shown.		<i>Comments on</i>
22)		11.1.5	Drawings do not show all thermal values indicated in the EN1 form, energy cost budget and design energy cost, list of energy-related features, input and output report, etc. Such analysis shall be forwarded for senior review by the Department.		<i>Comment on EN-100.01</i>
<p style="text-align: center;">End of Objections</p> <p>Refer to DoB website for examples: http://www.nyc.gov/html/dob/html/codes_and_reference_materials/nycecc_about.shtml www.nyc.gov/html/dob/downloads/pdf/energy_analysis_how2guide.pdf www.nyc.gov/html/dob/downloads/pdf/energy_code_tabular_analysis_all.pdf www.nyc.gov/html/dob/downloads/pdf/energy_code_supporting_docs_how2guide.pdf Bring marked-up plans for next appointment. Be prepared to answer all comments & questions that appear on them. Do not alter or write on these plans.</p>					

Notice of Energy Code Comments is for reference to individual ECC Code citations.

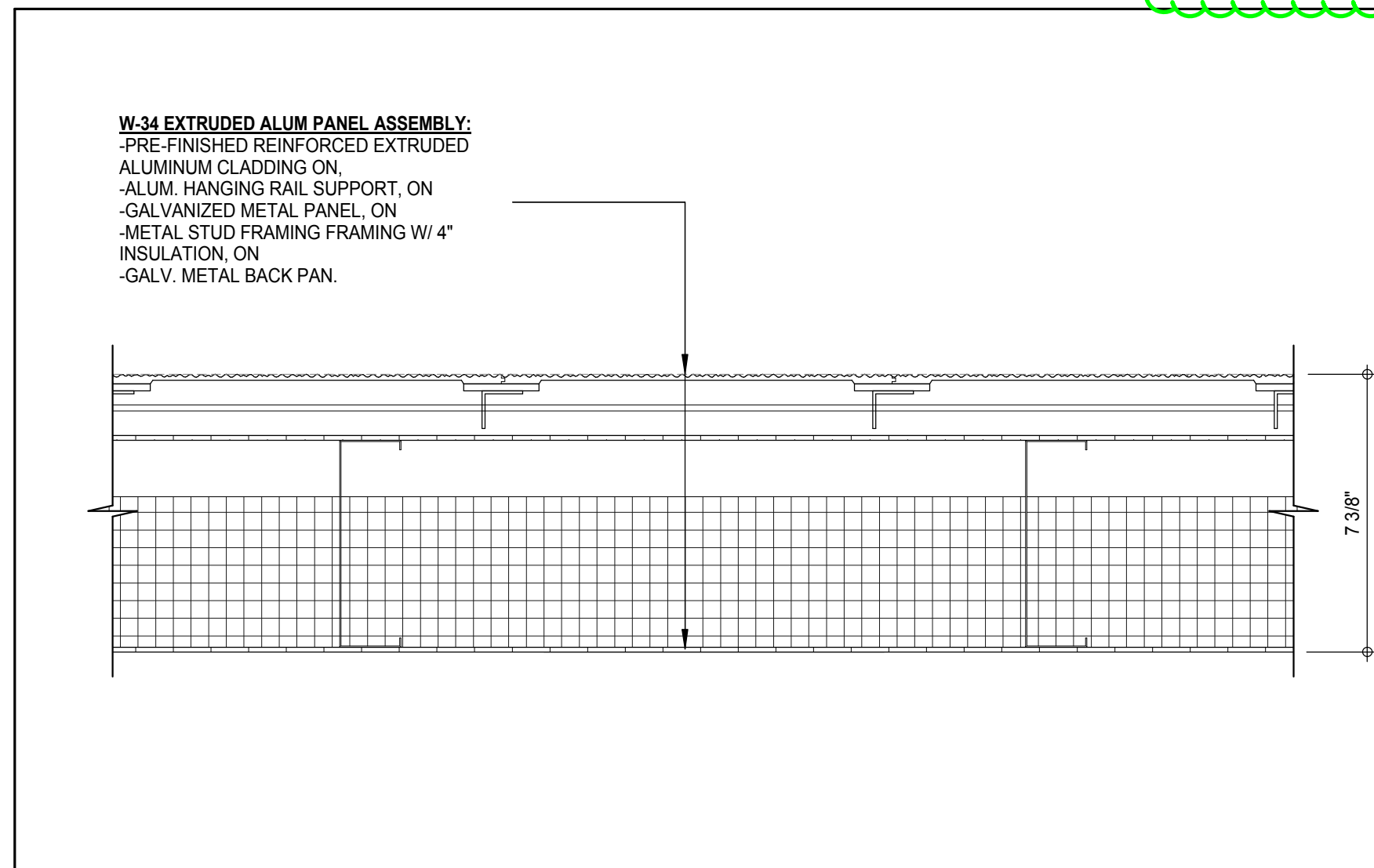
Refer to bubbled notes on drawing pages for specific notes regarding each Comment. Response to Comments should be addressed as noted on the page where comment is given.

To expedite subsequent review(s), All responses should be clearly described on the AI1 (with drawing page and scan number) that accompanies the revised submission.

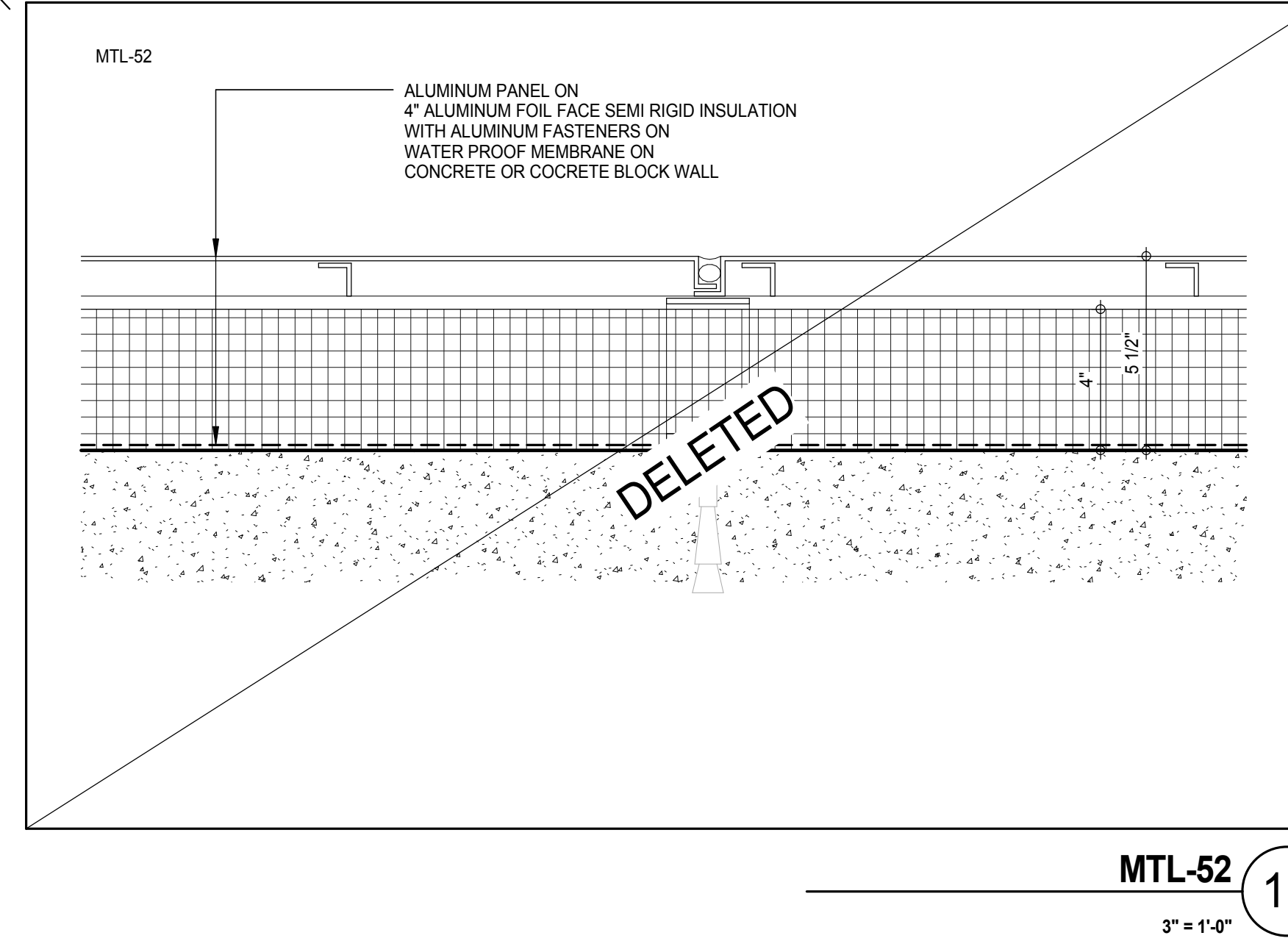
EXTERIOR DOOR SCHEDULE					
LEVEL	DOOR NUMBER	TYPE	WIDTH	HEIGHT	
GROUND FLOOR	E01-01	E3	3'-6"	7'-0"	
GROUND FLOOR	E01-05A	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05B	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05C	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05D	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05E	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-05G	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-05H	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-05J	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05K	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-05L	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-05M	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-06	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-07	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-11	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-12	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-13	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-14A	E3	3'-0"	7'-6"	
GROUND FLOOR	E01-14B	E3	3'-0"	7'-6"	
GROUND FLOOR	E01-14C	E12	8'-0"	9'-0"	
GROUND FLOOR	E01-14D	E12	8'-0"	9'-0"	
GROUND FLOOR	E01-15	E3	3'-6"	7'-6"	
GROUND FLOOR	E01-16	E2	3'-0"	9'-0"	
GROUND FLOOR	E01-18	E2	3'-0"	9'-0"	
GROUND FLOOR	E01-19	E4	3'-0"	9'-0"	
GROUND FLOOR	E01-24A	E2	3'-6"	9'-0"	
GROUND FLOOR	E01-24B	E2	3'-6"	9'-0"	
GROUND FLOOR	E01-24C	E2	7'-9"	9'-0"	
GROUND FLOOR	E01-606F	E2	6'-4"	9'-0"	
GROUND FLOOR	E01-73A	E4	6'-0"	7'-0"	
GROUND FLOOR	E01-73B	E4	6'-0"	7'-0"	
GROUND FLOOR	E01-75A	E4	6'-0"	9'-0"	
GROUND FLOOR	E01-75B	E4	6'-0"	9'-0"	
GROUND FLOOR	E01-89	E3	3'-0"	7'-6"	
LEVEL 02	E02-85	E3	3'-6"	7'-0"	
LEVEL 05	E05-01A	E3	3'-0"	8'-0"	
LEVEL 05	E05-01B	E3	3'-0"	7'-0"	
LEVEL 06	E06-25	E4	5'-0"	7'-6"	
LEVEL 08	E08-01	E5	3'-0"	8'-0"	
LEVEL 08	E08-02	E5	3'-0"	8'-0"	
LEVEL 08	E08-03	E7	3'-0"	8'-0"	
LEVEL 08	E08-04A	E11	3'-6"	8'-0"	
LEVEL 08	E08-04B	E11	3'-6"	8'-0"	
LEVEL 08	E08-05	E11	0"	0"	
LEVEL 08	E08-05A	E11	0"	0"	
LEVEL 08	E08-12C	E11	3'-6"	8'-0"	
LEVEL 08	E08-13	E7	3'-0"	8'-0"	
LEVEL 08	E08-18	E7	3'-0"	8'-0"	
LEVEL 08	E08-30A	E7	3'-0"	8'-0"	
LEVEL 08	E08-30B	E5	3'-0"	8'-0"	
LEVEL 08	E08-30C	E5	3'-0"	8'-0"	
LEVEL 08	E08-30D	E6	3'-0"	8'-0"	
LEVEL 08	E08-30E	E6	3'-0"	8'-0"	
LEVEL 08	E08-30F	E5	3'-0"	8'-0"	
LEVEL 08	E08-63	E6	3'-0"	8'-0"	
LEVEL 08	E08-84B	E11	3'-0 1/2"	8'-0"	
LEVEL 08	E08-85A	E11	3'-6 1/2"	7'-0"	
LEVEL 08	E08-85B	E11	3'-0"	7'-0"	
LEVEL 08	E08-86A	E11	0"	0"	
LEVEL 08	E08-87	E11	0"	0"	
LEVEL 08	E08-87A	E11	0"	0"	
LEVEL 20	E20-01	E9	4'-10"	8'-0"	
LEVEL 20	E20-02	E9	4'-10"	8'-0"	
LEVEL 28	E28-01	E6	3'-0"	8'-0"	
LEVEL 28	E28-02	E6	3'-0"	8'-0"	
LEVEL 47	E47-01	E9	4'-10"	8'-0"	
LEVEL 47	E47-02	E9	3'-10"	8'-0"	
LEVEL 47	E47-03	E10	3'-4"	8'-0"	
LEVEL 47	E47-04	E9	3'-0"	8'-0"	
LEVEL 69	E69-01	E9	4'-10"	8'-0"	
LEVEL 69	E69-03	E10	3'-4"	8'-0"	
LEVEL 71	E71-01	E9	3'-11"	8'-0"	
LEVEL 71	E71-02	E10	4'-10"	8'-0"	
LEVEL 83	E83-01	E11	3'-0"	8'-0"	
LEVEL 83	E83-02	E11	3'-0"	8'-0"	
LEVEL 99	E99-02	E3	3'-6"	7'-6"	
LEVEL 99	E99-03	E3	3'-6"	7'-6"	

KEYNOTE LEGEND	
TIS-2	SEMI-RIGID INSULATION - MINERAL WOOL - 2" R-VALUE: 8.4 U-VALUE: 0.12
TIS-3	SEMI-RIGID INSULATION - MINERAL WOOL - 3" R-VALUE: 12.6 U-VALUE: 0.08
TIS-04	SEMI-RIGID INSULATION - MINERAL WOOL - 4" R-VALUE: 16.8 U-VALUE: 0.06
TIS-6	SEMI-RIGID INSULATION - MINERAL WOOL - 6" R-VALUE: 25.2 U-VALUE: 0.04
TIR-02	RIGID INSULATION - 2" R-VALUE: 10 U-VALUE: 0.1
TIR-03	RIGID INSULATION - 3" R-VALUE: 15 U-VALUE: 0.07
TIR-04	RIGID INSULATION - 4" R-VALUE: 20 U-VALUE: 0.05
TIR-05	RIGID INSULATION - 5" R-VALUE: 25 U-VALUE: 0.04

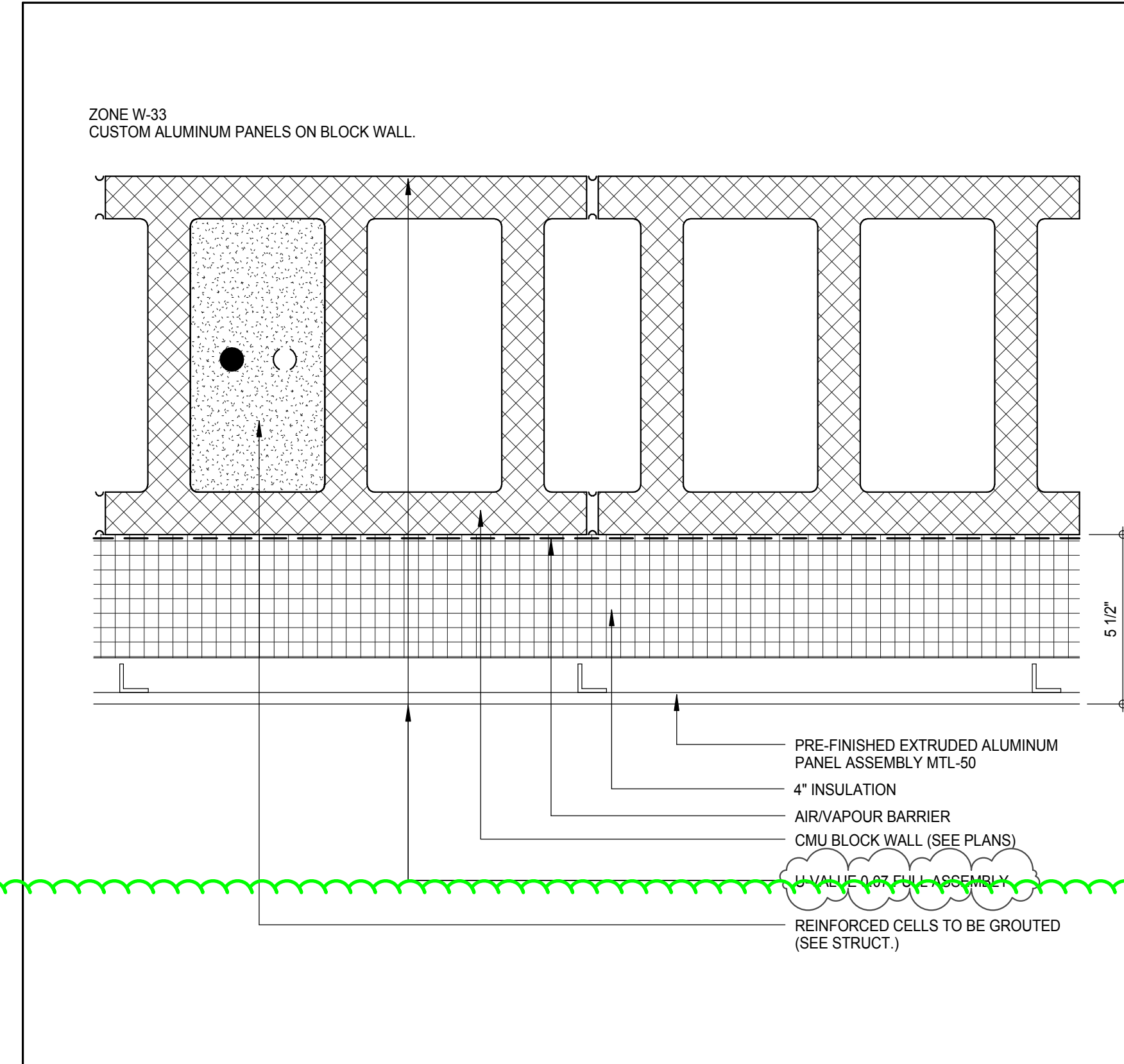
C402.4 Air leakage
 Drawings do not specify mandatory provisions for air leakage, including where applicable, fenestration systems, outdoor air intake and exhaust dampers, loading dock weathertight seals, vestibules and recessed lighting seals in the thermal envelope.



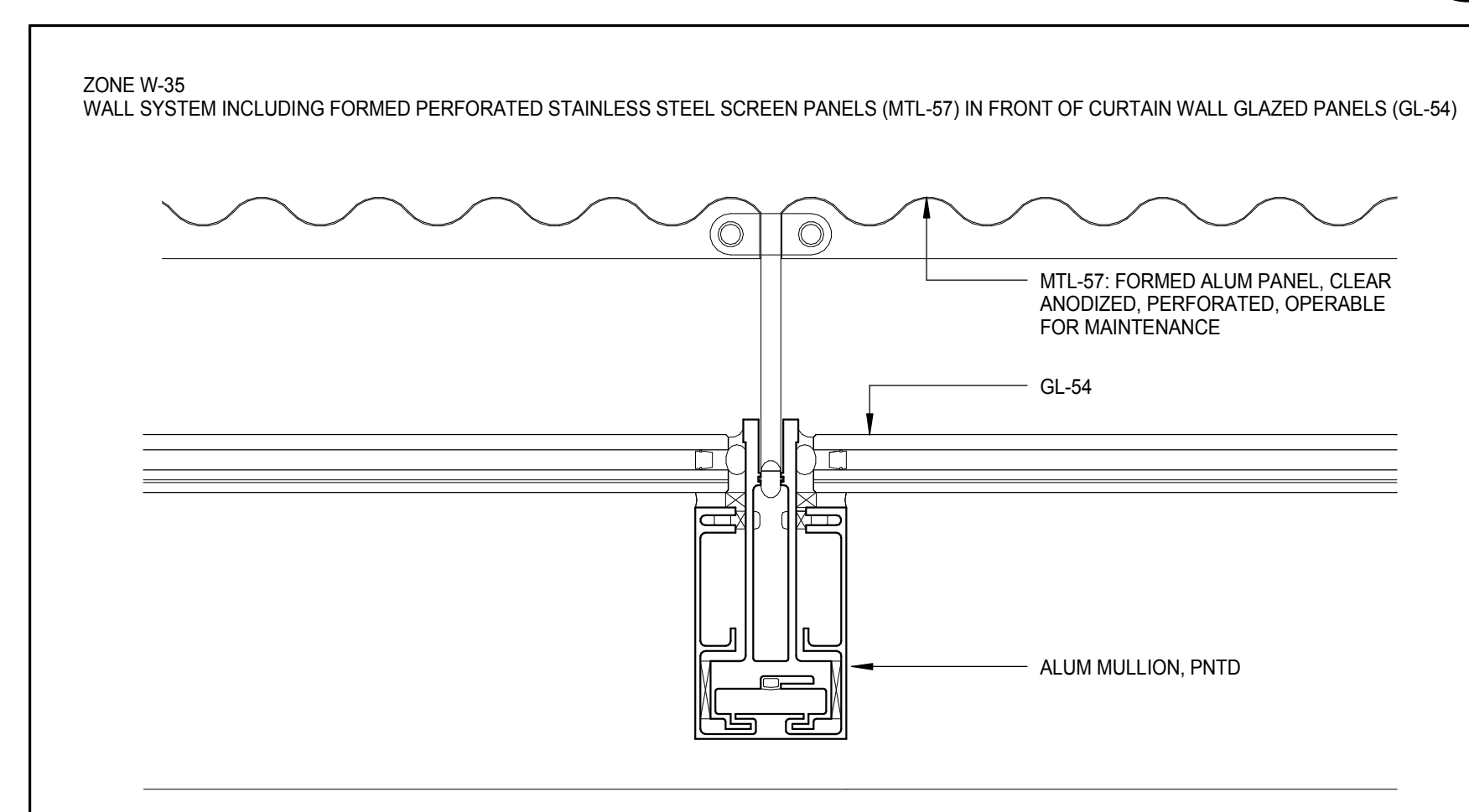
ZONE W-34
 3" x 1'-0"



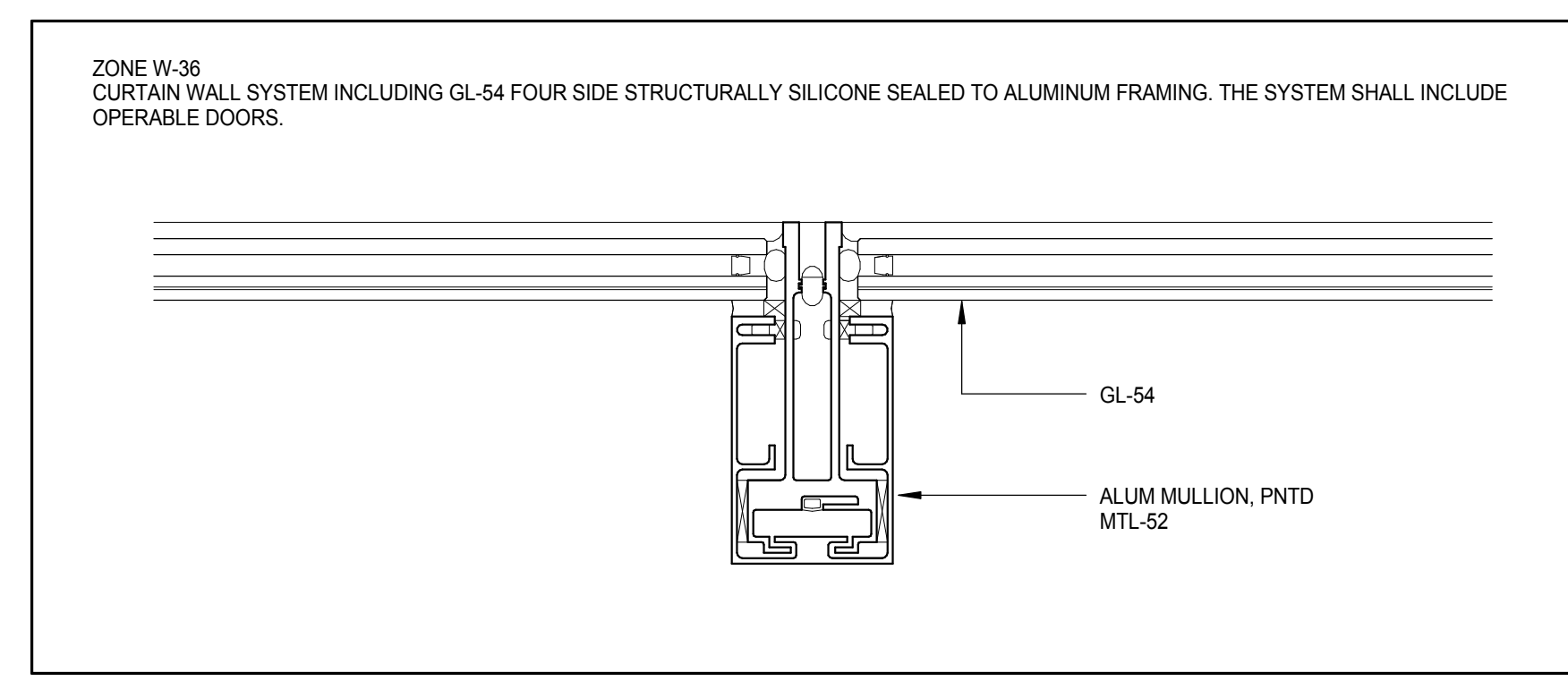
MTL-52
 3" x 1'-0"



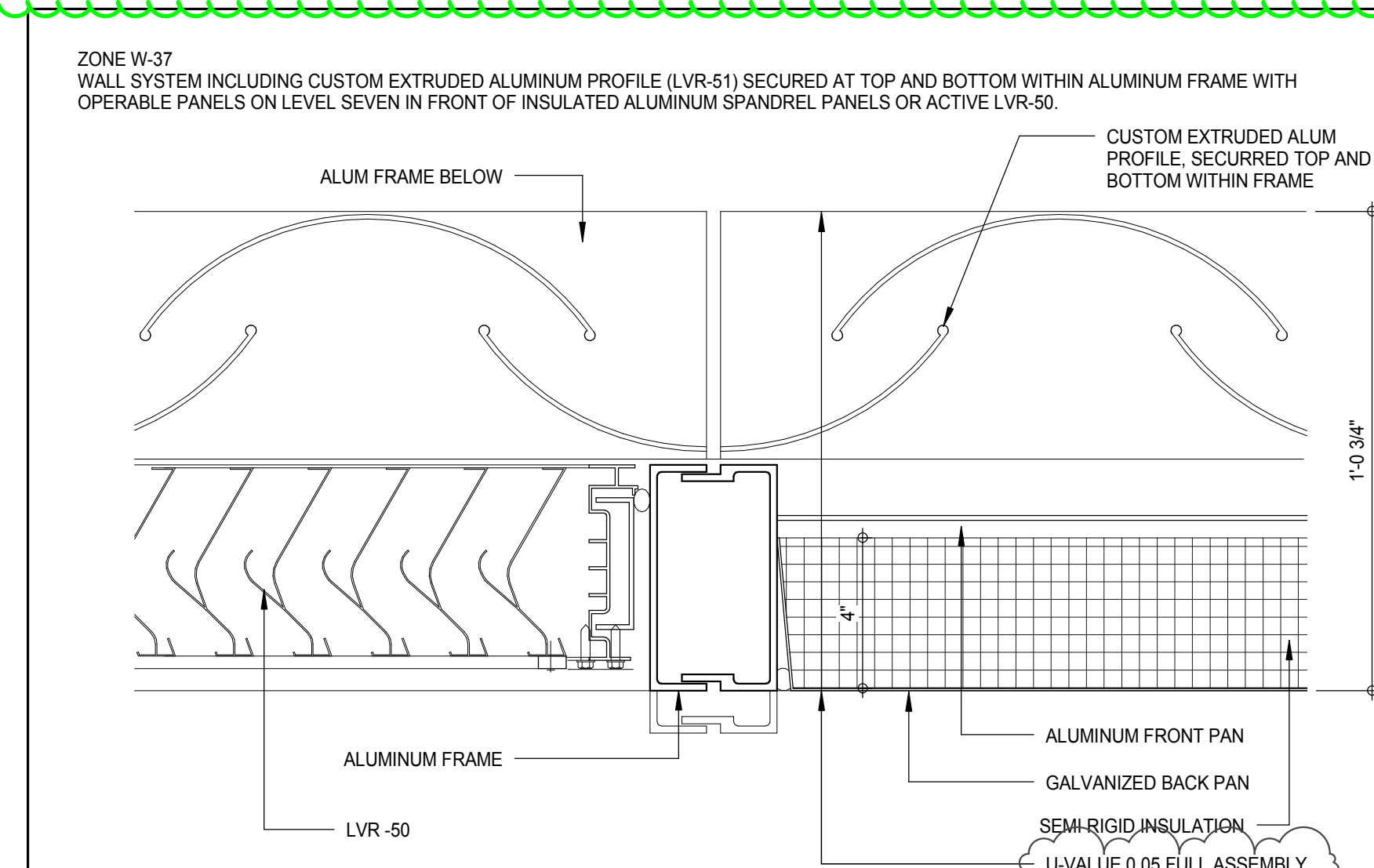
ZONE W-33
 3" x 1'-0"



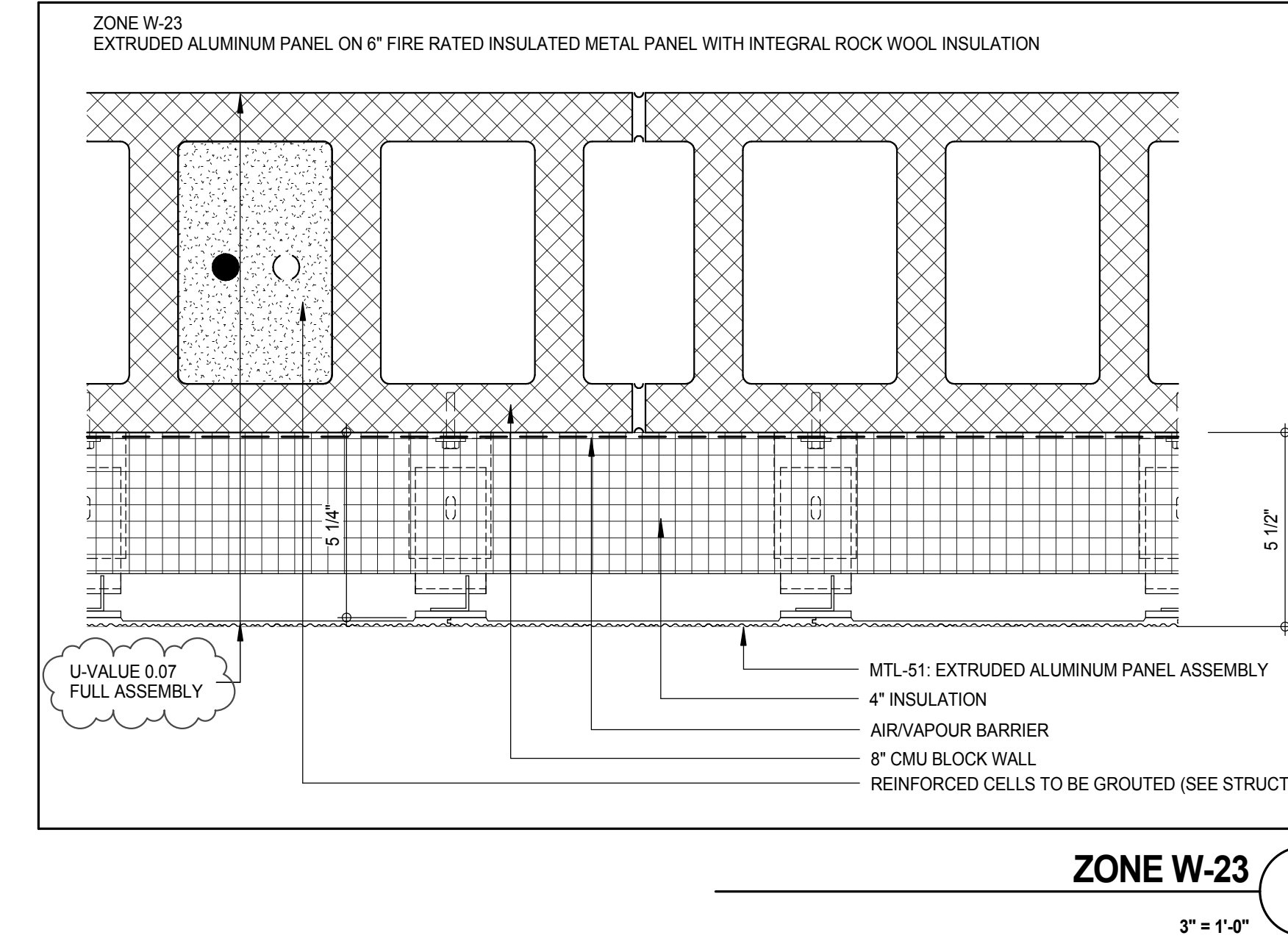
ZONE W-35
 3" x 1'-0"



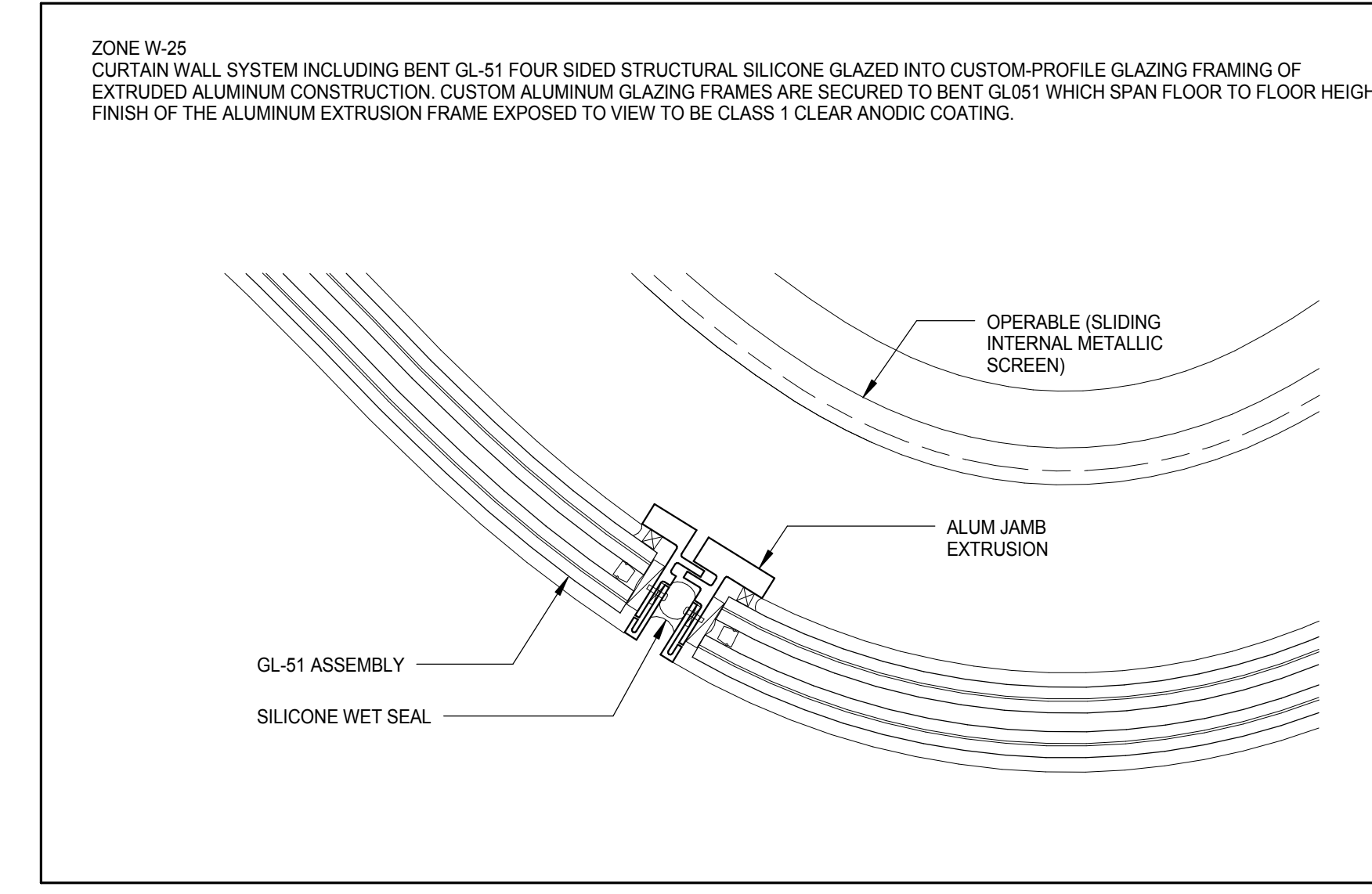
ZONE W-36
 3" x 1'-0"



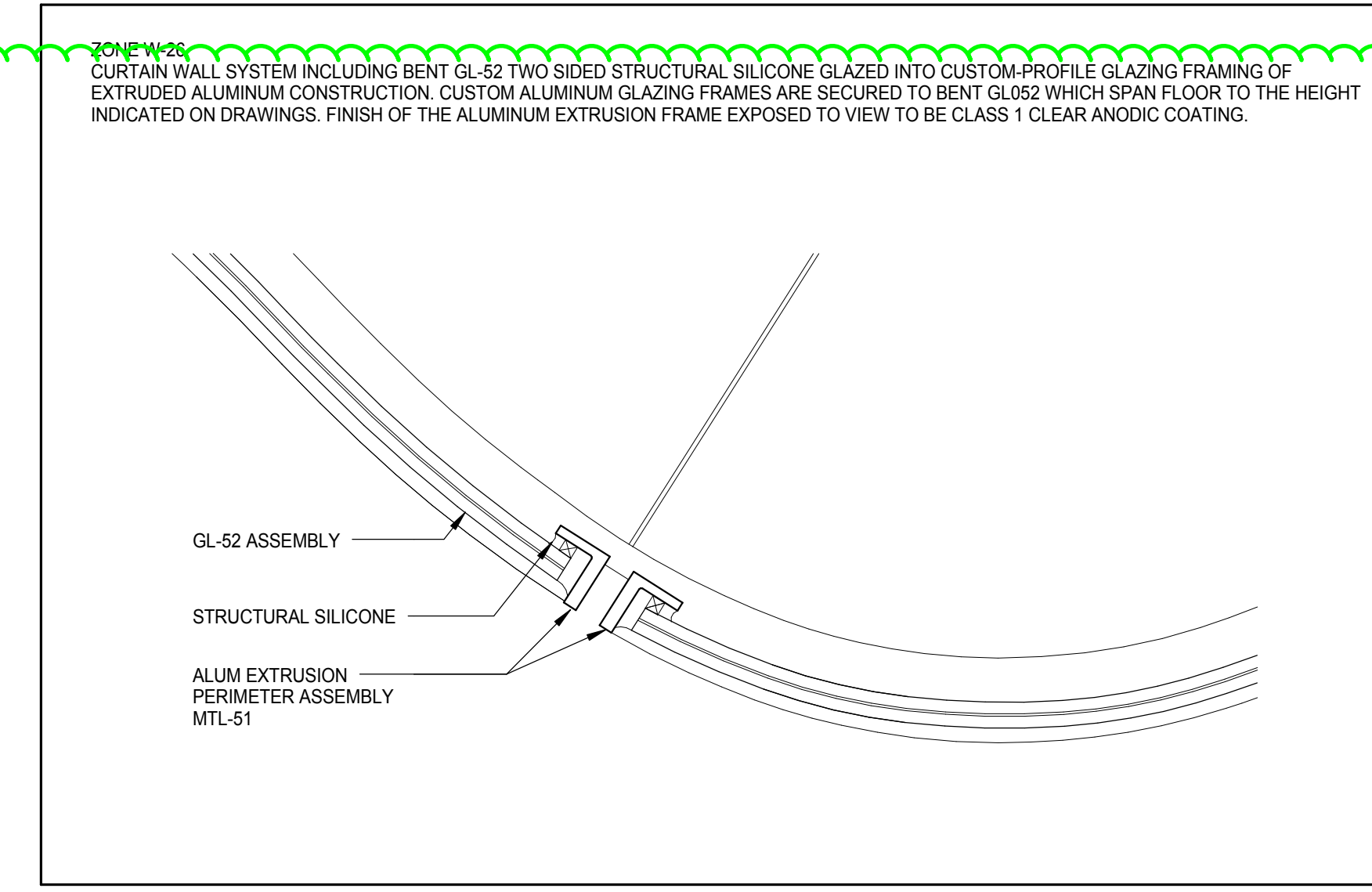
ZONE W-37
 3" x 1'-0"



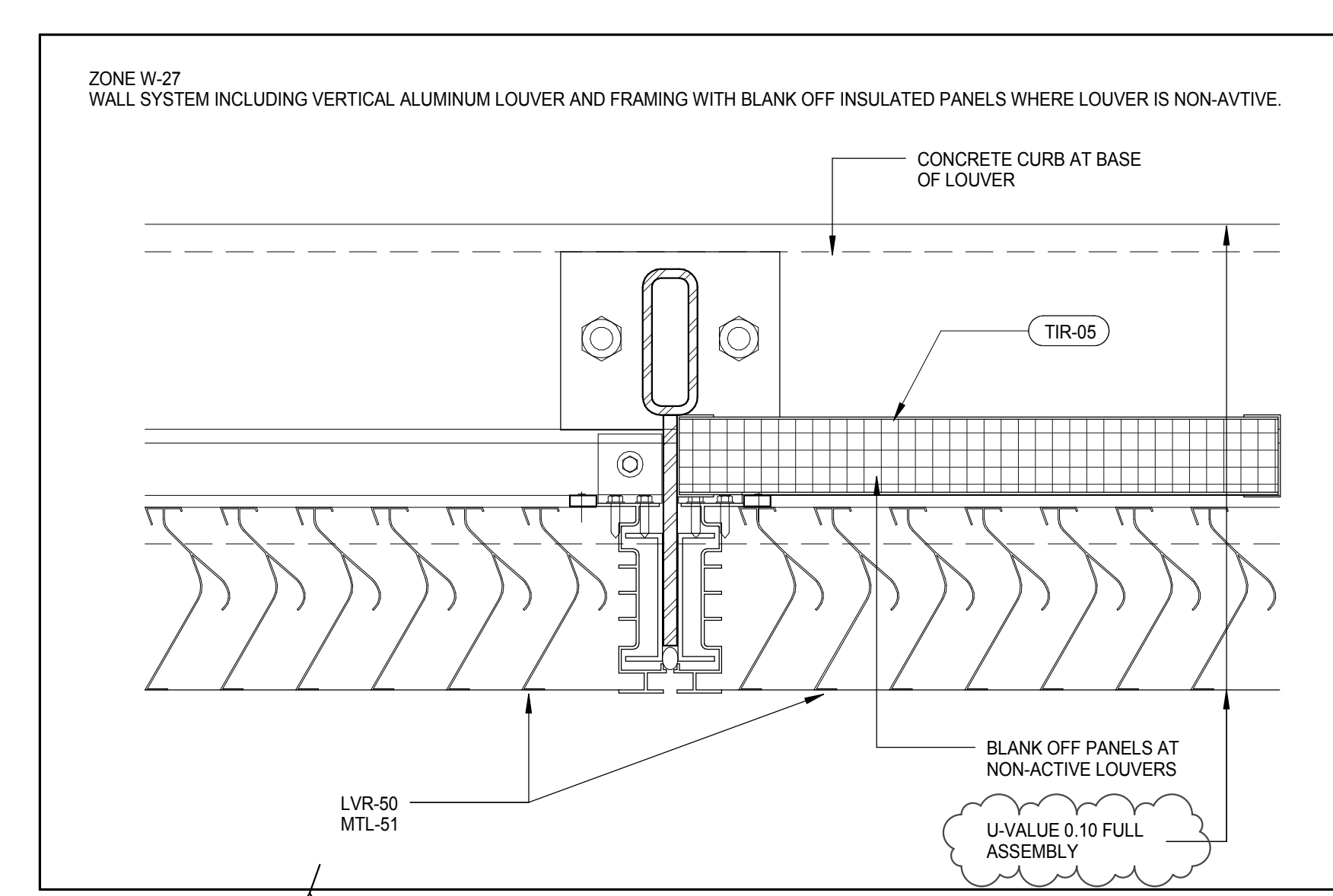
ZONE W-23
 3" x 1'-0"



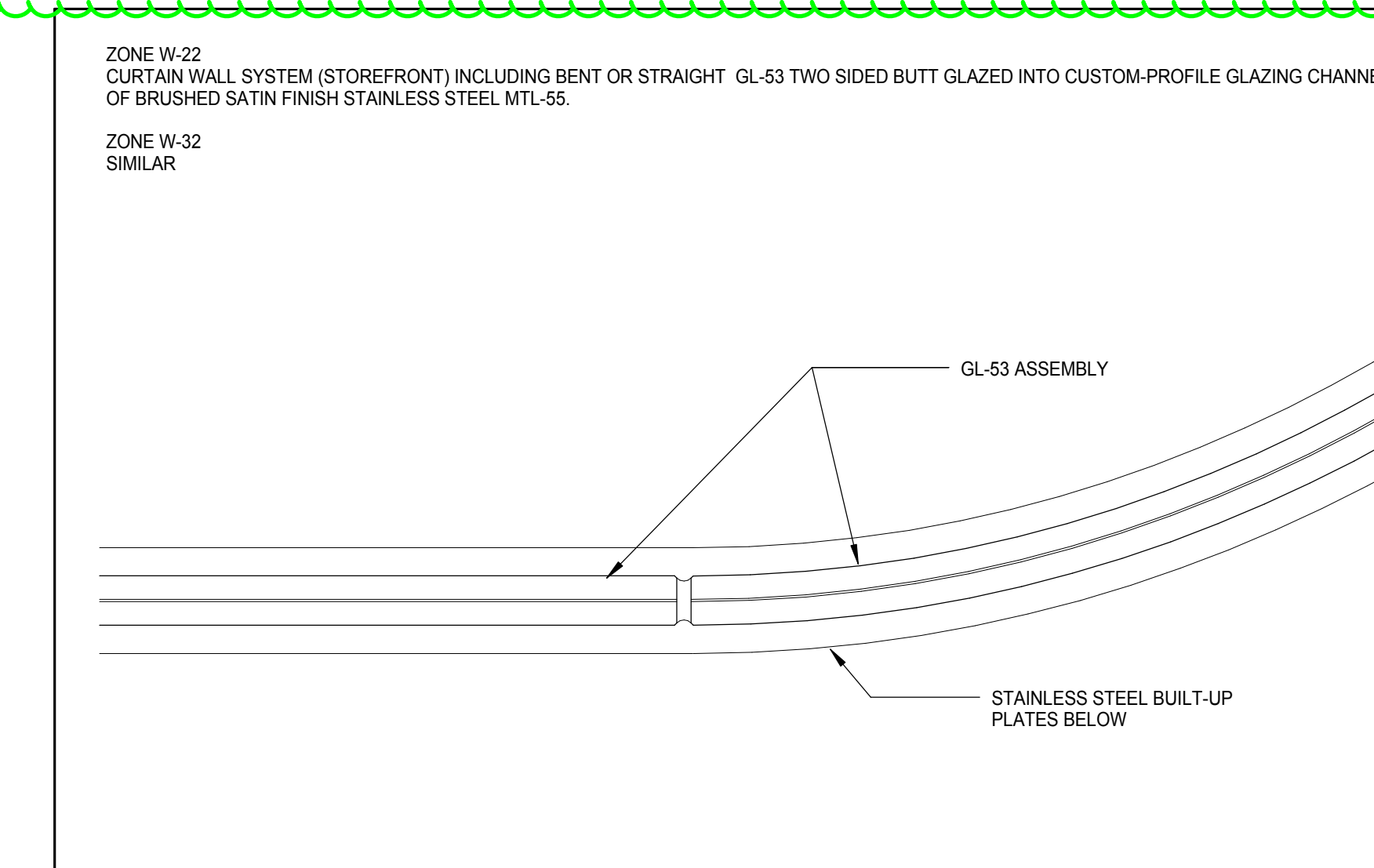
ZONE W-25
 3" x 1'-0"



ZONE W-26
 3" x 1'-0"



ZONE W-27
 3" x 1'-0"



ZONE W-22 (ZONE W-32 SIMILAR)
 3" x 1'-0"

PODIUM MATERIAL DESIGNATIONS			
MATERIAL CODE	DESCRIPTION	LOCATION	MANUF #
GLASS			
GL-51	DOUBLE CURVED INSULATED GLASS UNIT CONSISTING OF: -5/16" (AN) LOW IRON GLASS LITE + -060 PVB INTERLAYER + -5/16" (AN) LOW IRON GLASS LITE + -1/2" AIR SPACE W/ BENT GREY SPACER + -5/16" (AN) LOW IRON GLASS LITE + -060 PVB INTERLAYER + -5/16" (AN) LAMINATED INNER LITE #1 SURFACE SHALL RECEIVE GREY MICRODOT FRIT (SEE SPECIFICATION)		
GL-52	CURVED MONOLITHIC GLASS ASSEMBLY CONSISTING OF: -3/8" (AN) LOW IRON GLASS LITE + -060 PVB INTERLAYER + -3/8" (AN) LOW IRON GLASS LITE #1 SURFACE SHALL RECEIVE GREY MICRODOT FRIT (SEE SPECIFICATION)		
GL-53	LAMINATED ASSEMBLY: -3/4" CLEAR LOW IRON (AN) + -060 IONOPLAST INTERLAYER (SGP) + -3/4" CLEAR LOW IRON (AN) CURVED WHERE INDICATED ON DRAWINGS	STOREFRONT	
GL-54	INSULATED LAMINATED ASSEMBLY: -3/8" CLEAR LOW IRON (FT) WITH VE 15-85 LOW-E COATING ON #2 SURFACE (SEE SPECIFICATION) + -1/2" ARGON FILLED AIR SPACE + -1/4" CLEAR LOW IRON (AN) + -060 PVB INTERLAYER + -1/4" LOW IRON (AN)	5TH FLOOR TERRACE EMPLOYEE ENTRANCE	
GL-56	RESERVED		
GL-57	LAMINATED ASSEMBLY: -1/2" CLEAR LOW IRON (FT) + -060 IONOPLAST + -1/2" CLEAR LOW IRON (FT)	5TH FLOOR TERRACE GUARDRAIL	
GL-58	LAMINATED ASSEMBLY: -1/4" ACID ETCH LOW IRON (AN) + -060 PVB INTERLAYER + -1/4" CLEAR LOW IRON (AN) WITH MIRROR COATING ON #4 SURFACE	OPAQUE CLERESTORY	
GL-59	LAMINATED ASSEMBLY: -3/8" CLEAR LOW IRON (FT) + -060 (PVB) INTERLAYER + -3/8" CLEAR LOW IRON (FT)	DRUM ROOF, REVOLVER GLASS	
GL-60	LAMINATED ASSEMBLY: -3/8" CLEAR LOW IRON (FT) + -060 PVB INTERLAYER + -3/8" CLEAR LOW IRON (FT)	REVOLVER DOOR LEAF GLASS	
GL-61	LAMINATED ASSEMBLY: -1/4" CLEAR LOW IRON (FT) + -060 PVB INTERLAYER + -1/4" CLEAR LOW IRON (FT)	SWING DOOR GLASS	
GL-62	LAMINATED ASSEMBLY: -1/2" CLEAR LOW IRON (FT) + -060 PVB INTERLAYER + -1/2" CLEAR LOW IRON (FT) W/ GREY 2mm MICRO DOT PATTERN ON #1 SURFACE (FACING DOWN TO STREET)	EMPLOYEE ENTRY CANOPY-GLASS	
LOUVERS			
LVR-50	ALUMINUM LOUVER	ACTIVE AND NON-ACTIVE LOUVERS AT AIR WELL ON 57TH STREET ACTIVE LOUVERS ON 58TH STREET MTL-51	C/S RSV-5700
LVR-51	CUSTOM EXTRUDED ALUMINUM PROFILE, MTL-51		
METALS			
MTL-50	RESERVED		
MTL-51	EXTERIOR ALUMINUM PAINTED PANEL		
MTL-52	PAINTED ALUMINUM PANEL ON 4" FOILED FACE RIGID INSULATION ON WATERPROOF MEMBRANE ON CONCRETE OR CONCRETE BLOCK WALL	BMU ROOM	
MTL-53	SEE LVR-50		
MTL-54	RESERVED		
MTL-55	STAINLESS STEEL #6 FINISH		
MTL-56	STAINLESS STEEL, #4 FINISH		
MTL-57	EMPLOYEE ENTRY FORMED SCREEN PANEL, CLEAR ANODIZE		
PAVERS			
PAV-51	STEP STONE PAVER, CAL ARCH PAVER, PORCELAIN #1413		
PAV-52	PRECAST CONCRETE PAVERS, 24"x24"	6TH FLOOR TERRACE	
PAV-53	TO MATCH PAV-51, GROUTED IN-PLACE	ENTRANCE	

(AN) = ANNEALED GLASS
 (HS) = HEAT STRENGTHENED
 (FT) = FULLY TEMPERED

PODIUM MATERIAL DESIGNATION
 12" x 1'-0"

DEPT OF BLDGS/2158267

PROJECT NO. 212 712 6000

DATE: 19 DEC 14

PROJECT NO. 1216-60

REV: 5

SCALE: As indicated

DWG No. A-802.01

DOB PAGE No. 415 of 569

DOB S-SCAN:

NOT FOR BID/CONSTRUCTION

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:

AAI
 ARCHITECTS, P.C.

PROJECT:

217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:

PODIUM ZONES AND MATERIAL DESIGNATION

SEAL & SIGNATURE:

DATE: 19 DEC 14

PROJECT NO. 1216-60

DRAWN: Author

CHECKED: Checker

SCALE: As indicated

DWG No. A-802.01

DOB PAGE No. 415 of 569

DOB S-SCAN:

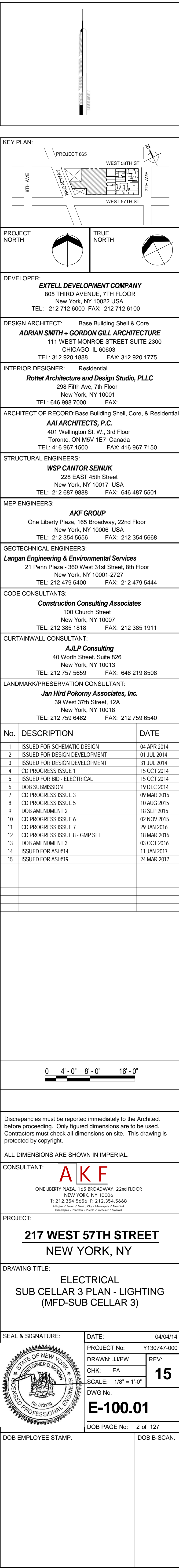
Damian Titus

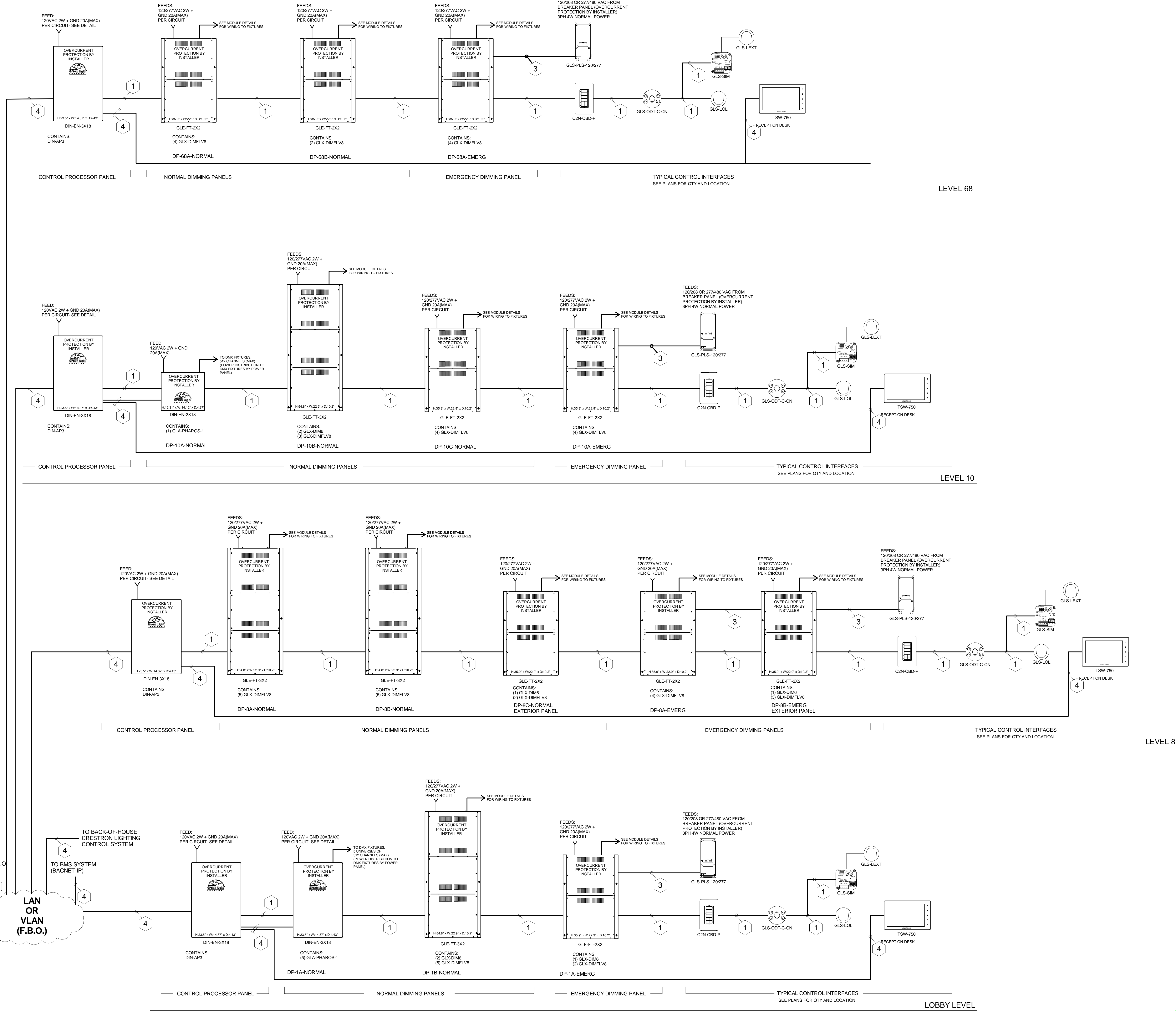
APPROVED

Under Review of 10/25/2014

Date: 02/05/2015

NYC Development Hub





NOTES:

- 1 "CRESNET" CABLE:
(1) PAIR #18AWG,
(1) TWISTED PAIR 22AWG
W/SHIELD (BY E.C.)
NON-PLENUM PN: CRESNET-NP-TL
PLENUM PN: CRESNET-P-TL
- 2 RS-232 CABLE:
(1) TWISTED PAIR 22AWG
TO MEET LOAD
DB-9 CONNECTOR
(BY E.C.)
- 3 CABLE:
(1) PAIR TWISTED PAIR 18AWG
(1) SHIELD
(BY E.C.)
- 4 CABLE:
CAT5 ETHERNET
- 5 SUITABLE GAUGE WIRE
TO MEET LOAD
REQUIREMENTS

MAXIMUM CABLE LENGTH EQUATION:

$$L < \frac{40,000}{R \times P}$$

Where L = Maximum Length of run in feet from power source
R = 6 Ohms for Cresent Certified wire or
1.6 Ohms for Cresent High Power Certified wire
P = Cresent Power usage of entire run

Example: A single run with (4) CNX-B6 Keypads, (4) GLS-SIM,
(4) GLS-ODT-C-2000 (Sensor) has a total Cresent Power
usage of P = 20 Watts. Using standard Cresent cable R = 6 the
maximum wire length would be 333 feet. Using High Power
Cresent R = 1.6 the maximum wire length would be 1250 feet.

***ALL ELECTRICAL DEVICE LOCATIONS TO BE
COORDINATED WITH ARCHITECT.

LENGTH OF CRESNET WIRING RUNS ARE
LIMITED TO # OF DEVICES AND CRESNET
POWER DRAW. DAISY CHAIN AND OR STAR
TOPOLOGIES ARE PERMITTED TO SUIT
INSTALLATION NEEDS. EACH HOME RUN NOT
TO EXCEED 20 CRESNET DEVICES. USE THE
CALCULATOR SHOWN TO DETERMINE MAXIMUM
WIRE RUN LENGTH. POWER SUPPLIES CAN BE
ADDED TO INCREASE LENGTH OF HOME RUNS.

KEY PLAN

PROJECT 605

TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
NEW YORK, NY 10022 USA
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT:
Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
CHICAGO IL 60603
TEL: 312 925 1888 FAX: 312 920 1775

INTERIOR DESIGNER:
Residential
Rottet Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
New York, NY 10001
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJA ARCHITECTS, P.C.
401 Wellington St. W. 3rd Floor
Toronto, ON M5V 1E7 Canada
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:
VSP CANTOR SENUK
228 EAST 45th Street
New York, NY 10017 USA
TEL: 212 657 9588 FAX: 646 487 5501

MEP ENGINEERS:
AKF GROUP
One Liberty Plaza, 165 Broadway, 22nd Floor
New York, NY 10006 USA
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:
Langan Engineering & Environmental Services
21 Penn Plaza - 360 West 37th Street, 8th Floor
New York, NY 10001-2727
TEL: 212 474 5400 FAX: 212 470 5444

CODE CONSULTANTS:
Construction Consulting Associates
100 Church Street
New York, NY 10007
TEL: 212 385 1818 FAX: 212 385 1911

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New York, NY 10018
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No.	DESCRIPTION	DATE
1	ISSUED FOR SCHEMATIC DESIGN	04 APR 2014
2	ISSUED FOR DESIGN DEVELOPMENT	01 JUL 2014
3	ISSUED FOR DESIGN DEVELOPMENT	31 JUL 2014
4	CD PROGRESS ISSUE 1	15 OCT 2014
5	ISSUED FOR BD - ELECTRICAL	15 OCT 2014
6	DOB SUBMISSION	19 DEC 2014
7	CD PROGRESS ISSUE 3	09 MAR 2015
8	CD PROGRESS ISSUE 5	10 AUG 2015
9	DOB AMENDMENT 2	18 SEP 2015
10	CD PROGRESS ISSUE 6	30 NOV 2015
11	CD PROGRESS ISSUE 7	29 JAN 2016
12	CD PROGRESS ISSUE 8 - CMP SET	18 MAR 2016
13	DOB AMENDMENT 3	31 OCT 2016
14	ISSUED FOR ASB #19	24 MAR 2017

0 4'-0" 8'-0" 16'-0"

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:
AKF
ONE LIBERTY PLAZA, 165 BROADWAY, 22nd FLOOR
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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
**ELECTRICAL
DETAILS**

SEAL & SIGNATURE: [Signature]

DATE: 04/04/14

PROJECT No: Y130747-000

DRAWN: PW

CHK: EA

SCALE: NONE

DWG No: **E-602.01**

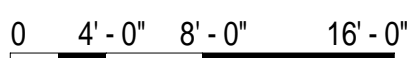
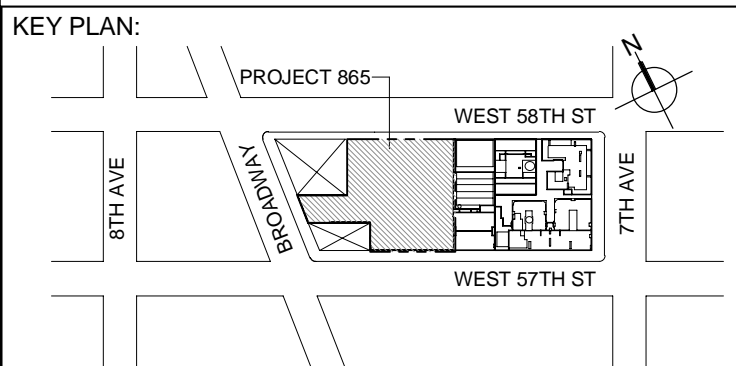
DOB EMPLOYEE STAMP: [Stamp]

DOB PAGE No: 119 of 127

DOB S-SCAN: [Stamp]

LOBBY LIGHTING CONTROL PANEL SCHEDULE
SCALE : N.T.S.

SCALE : N.T.S.



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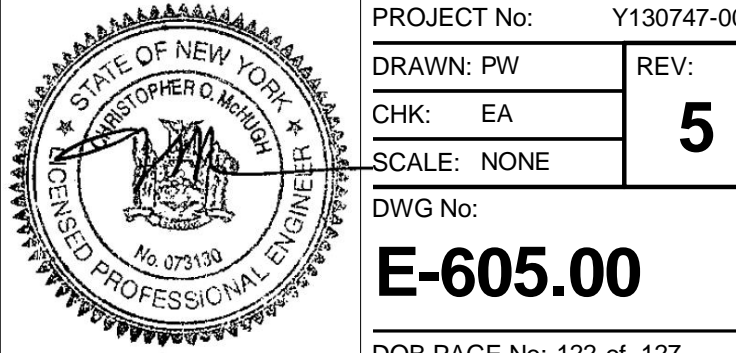
PROJECT:

217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:

ELECTRICAL
GROUND FLOOR LIGHTING
CONTROL SCHEDULE

SEAL & SIGNATURE:	DATE:	11/02/
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DOB EMPLOYEE STAMP:	DOB B-SCAN:
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REPORT- LV-B Summary of Spaces

WEATHER FILE- New York CityNY TMY2

NUMBER OF SPACES 529

EXTERIOR 334

INTERIOR 195

SPACE	SPACE*FLOOR MULTIPLIER	SPACE TYPE	AZIM	LIGHTS (WATT / SQFT)	PEOPLE	EQUIP (WATT / SQFT)	INFILTRATION METHOD	ACH	AREA (SQFT)	VOLUME (CUFT)
Spaces on floor: SC3Below-Grade Flr										
SC3North Perim Spc (B.N1)	1.0	INT	90.0	1.00	31.5	0.25	NO-INFILT.	0.00	7871.5	78714.5
SC3SSW Perim Spc (B.SSW2)	1.0	INT	0.0	1.00	31.6	0.25	NO-INFILT.	0.00	7891.8	78917.5
SC3Core Spc (B.C3)	1.0	INT	0.0	1.00	30.7	0.25	NO-INFILT.	0.00	173.1	1731.3
SC3Core Spc (B.C4)	1.0	INT	0.0	1.00	30.7	0.25	NO-INFILT.	0.00	177.0	1770.0
SC3Core Spc (B.C5)	1.0	INT	0.0	1.00	30.9	0.25	NO-INFILT.	0.00	223.8	2237.5
SC3Core Spc (B.C6)	1.0	INT	0.0	1.00	31.9	0.25	NO-INFILT.	0.00	483.5	4835.0
SC3ESE Perim Spc (B.ESE7)	1.0	INT	-90.0	1.00	31.2	0.25	NO-INFILT.	0.00	311.1	3111.3
Spaces on floor: SC2Below-Grade Flr										
SC2WNW Perim Spc (B.WNW1)	1.0	INT	90.0	1.70	38.9	1.00	NO-INFILT.	0.00	1944.0	27216.0
SC2NNE Perim Spc (B.NNE2)	1.0	INT	45.0	1.70	51.8	1.00	NO-INFILT.	0.00	2589.4	36251.9
SC2Core Spc (B.C3)	1.0	INT	0.0	1.70	18.9	1.00	NO-INFILT.	0.00	946.4	13249.6
SC2Core Spc (B.C4)	1.0	INT	0.0	1.70	147.8	1.00	NO-INFILT.	0.00	7390.9	103472.1
SC2SW Perim Spc (B.SW5)	1.0	INT	0.0	1.70	19.7	1.00	NO-INFILT.	0.00	984.0	13776.0
SC2WNW Perim Spc (B.WNW6)	1.0	INT	90.0	1.70	6.7	1.00	NO-INFILT.	0.00	333.8	4672.5
SC2SSW Perim Spc (B.SSW7)	1.0	INT	0.0	1.00	40.7	0.25	NO-INFILT.	0.00	2033.3	28465.5
SC2ESE Perim Spc (B.ESE8)	1.0	INT	-90.0	1.00	54.1	0.25	NO-INFILT.	0.00	2705.3	37873.5
SC2Core Spc (B.C9)	1.0	INT	0.0	1.70	173.1	1.00	NO-INFILT.	0.00	8653.2	121145.0
SC2Core Spc (B.C10)	1.0	INT	0.0	1.70	21.5	1.00	NO-INFILT.	0.00	1076.2	15067.0
SC2Core Spc (B.C11)	1.0	INT	0.0	1.00	114.7	0.25	NO-INFILT.	0.00	5737.3	80322.0
Spaces on floor: SC1Below-Grade Flr										
SC1WNW Perim Spc (B.WNW1)	1.0	INT	90.0	1.70	38.9	1.00	NO-INFILT.	0.00	1944.0	34020.0
SC1NNE Perim Spc (B.NNE2)	1.0	INT	45.0	1.70	51.8	1.00	NO-INFILT.	0.00	2589.4	45314.9
SC1Core Spc (B.C3)	1.0	INT	0.0	1.70	18.9	1.00	NO-INFILT.	0.00	946.4	16562.0
SC1Core Spc (B.C4)	1.0	INT	0.0	1.70	147.8	1.00	NO-INFILT.	0.00	7390.9	129340.1
SC1SW Perim Spc (B.SW5)	1.0	INT	0.0	1.70	19.7	1.00	NO-INFILT.	0.00	984.0	17220.0
SC1WNW Perim Spc (B.WNW6)	1.0	INT	90.0	1.70	6.7	1.00	NO-INFILT.	0.00	333.8	5840.6
SC1SSW Perim Spc (B.SSW7)	1.0	INT	0.0	1.70	40.7	1.00	NO-INFILT.	0.00	2033.3	35581.9
SC1ESE Perim Spc (B.ESE8)	1.0	INT	-90.0	1.00	54.1	0.25	NO-INFILT.	0.00	2705.3	47341.9
SC1Core Spc (B.C9)	1.0	INT	0.0	1.70	173.1	1.00	NO-INFILT.	0.00	8653.2	151431.2
SC1Core Spc (B.C10)	1.0	INT	0.0	1.70	21.5	1.00	NO-INFILT.	0.00	1076.2	18833.8
SC1Core Spc (B.C11)	1.0	INT	0.0	1.70	114.7	1.00	NO-INFILT.	0.00	5737.3	100402.5
Spaces on floor: CBelow-Grade Flr										
CWNW Perim Spc (B.WNW1)	1.0	INT	90.0	1.70	38.9	1.00	NO-INFILT.	0.00	1944.0	34020.0
CNNE Perim Spc (B.NNE2)	1.0	INT	45.0	1.70	51.8	1.00	NO-INFILT.	0.00	2589.4	45314.9
CCore Spc (B.C3)	1.0	INT	0.0	1.70	18.9	1.00	NO-INFILT.	0.00	946.4	16562.0
CCore Spc (B.C4)	1.0	INT	0.0	1.70	147.8	1.00	NO-INFILT.	0.00	7390.9	129340.1
CSW Perim Spc (B.SW5)	1.0	INT	0.0	1.70	19.7	1.00	NO-INFILT.	0.00	984.0	17220.0

REPORT- LV-B Summary of Spaces

WEATHER FILE- New York CityNY TMY2

(CONTINUED)

CSSW Perim Spc (B.SSW7)	1.0	INT	0.0	1.70	40.7	1.00	NO-INFILT.	0.00	2033.3	35581.9
CESE Perim Spc (B.ESE8)	1.0	INT	-90.0	1.00	54.1	0.25	NO-INFILT.	0.00	2705.3	47341.9
CCore Spc (B.C9)	1.0	INT	0.0	1.70	173.1	1.00	NO-INFILT.	0.00	8653.2	151431.2
CCore Spc (B.C10)	1.0	INT	0.0	1.70	21.5	1.00	NO-INFILT.	0.00	1076.2	18833.8
CCore Spc (B.C11)	1.0	INT	0.0	1.70	114.7	1.00	NO-INFILT.	0.00	5737.3	100402.5

Spaces on floor: GGround Flr

GNW Perim Spc (G.NW1)	1.0	EXT	90.0	1.70	18.9	1.00	AIR-CHANGE	0.20	946.4	14196.0
GNW Perim Spc (G.NW2)	1.0	EXT	45.0	1.00	53.7	0.25	AIR-CHANGE	0.04	2684.9	40273.1
GNNE Perim Spc (G.NNE3)	1.0	EXT	33.3	1.70	24.6	1.00	AIR-CHANGE	0.16	1231.5	18472.2
GSSW Perim Spc (G.SSW4)	1.0	EXT	0.0	1.70	7.3	1.00	AIR-CHANGE	0.15	367.5	5512.5
GWest Perim Spc (G.W5)	1.0	EXT	90.0	1.70	16.8	1.00	AIR-CHANGE	0.11	837.8	12566.3
GEast Perim Spc (G.E6)	1.0	EXT	135.0	1.70	18.3	1.00	AIR-CHANGE	0.15	917.2	13757.5
GNNE Perim Spc (G.NNE7)	1.0	EXT	180.0	1.70	63.8	1.00	AIR-CHANGE	0.04	3191.1	47866.2
GWest Perim Spc (G.W8)	1.0	EXT	66.6	1.70	9.8	1.00	AIR-CHANGE	0.23	488.1	7321.6
GSSW Perim Spc (G.SSW9)	1.0	EXT	0.0	1.70	20.0	1.00	AIR-CHANGE	0.16	998.6	14979.4
GESE Perim Spc (G.ESE10)	1.0	EXT	-90.0	1.70	9.0	1.00	AIR-CHANGE	0.11	449.1	6736.8
GESE Perim Spc (G.ESE11)	1.0	EXT	0.0	1.70	46.1	1.00	AIR-CHANGE	0.13	2304.7	34571.2
GSSW Perim Spc (G.SSW12)	1.0	EXT	0.0	1.70	37.4	1.00	AIR-CHANGE	0.17	1871.3	28068.8
GCore Spc (G.C13)	1.0	INT	0.0	1.70	62.9	1.00	AIR-CHANGE	0.00	3143.8	47157.0
GCore Spc (G.C14)	1.0	INT	0.0	1.70	11.6	1.00	AIR-CHANGE	0.00	581.2	8717.6
GNNE Perim Spc (G.NNE15)	1.0	EXT	-90.0	1.70	43.7	1.00	AIR-CHANGE	0.08	2182.5	32737.5
GCore Spc (G.C16)	1.0	INT	0.0	1.70	87.5	1.00	AIR-CHANGE	0.00	4376.0	65640.7
GCore Spc (G.C17)	1.0	INT	0.0	1.70	52.4	1.00	AIR-CHANGE	0.00	7621.7	114325.0
GPlnm (G.18)	1.0	EXT	0.0	0.00	0.0	0.00	AIR-CHANGE	0.06	34193.8	68387.5

Spaces on floor: 1MGround Flr

1MNW Perim Spc (G.NW1)	1.0	EXT	90.0	1.70	20.3	1.00	AIR-CHANGE	0.19	1014.0	8112.0
1MNorth Perim Spc (G.N2)	1.0	EXT	180.0	1.70	42.1	1.00	AIR-CHANGE	0.15	2105.3	16842.0
1MSW Perim Spc (G.SW3)	1.0	EXT	66.6	1.70	30.1	1.00	AIR-CHANGE	0.18	1506.9	12055.1
1MSW Perim Spc (G.SW4)	1.0	EXT	90.0	1.70	22.7	1.00	AIR-CHANGE	0.12	1134.8	9078.0
1MSSW Perim Spc (G.SSW5)	1.0	EXT	0.0	1.70	45.0	1.00	AIR-CHANGE	0.17	2247.8	17982.0
1MNNE Perim Spc (G.NNE6)	1.0	EXT	180.0	1.70	44.2	1.00	AIR-CHANGE	0.16	2210.3	17682.0
1MESE Perim Spc (G.ESE7)	1.0	EXT	135.0	1.70	54.1	1.00	AIR-CHANGE	0.16	2704.8	21638.4
1MCore Spc (G.C8)	1.0	INT	0.0	1.00	60.6	0.25	AIR-CHANGE	0.01	3032.1	24256.5
1MCore Spc (G.C9)	1.0	INT	0.0	1.70	28.0	1.00	AIR-CHANGE	0.01	1399.3	11194.6
1MCore Spc (G.C10)	1.0	INT	0.0	1.00	88.4	0.25	AIR-CHANGE	0.01	4420.3	35362.6
1MCore Spc (G.C11)	1.0	INT	0.0	1.70	287.0	1.00	AIR-CHANGE	0.01	14350.5	114804.3

Spaces on floor: 25Ground Flr

25NW Perim Spc (G.NW1)	1.0	EXT	90.0	1.70	20.3	1.00	AIR-CHANGE	0.19	1014.0	17745.0
25North Perim Spc (G.N2)	1.0	EXT	180.0	1.70	42.1	1.00	AIR-CHANGE	0.15	2105.3	36841.9
25SSW Perim Spc (G.SSW3)	1.0	EXT	0.0	1.70	7.3	1.00	AIR-CHANGE	0.15	367.5	6431.3
25West Perim Spc (G.W4)	1.0	EXT	90.0	1.70	16.8	1.00	AIR-CHANGE	0.11	837.8	14660.6
25SSW Perim Spc (G.SSW5)	1.0	EXT	0.0	1.70	44.0	1.00	AIR-CHANGE	0.18	2197.5	38456.3
25Core Spc (G.C6)	1.0	INT	0.0	1.70	115.6	1.00	AIR-CHANGE	0.00	5780.4	101157.4
25West Perim Spc (G.W7)	1.0	EXT	66.6	1.70	9.8	1.00	AIR-CHANGE	0.23	488.1	8541.8
25SSW Perim Spc (G.SSW8)	1.0	EXT	0.0	1.70	20.0	1.00	AIR-CHANGE	0.16	998.6	17475.9
25ESE Perim Spc (G.ESE9)	1.0	EXT	135.0	1.70	29.8	1.00	AIR-CHANGE	0.16	1491.1	26094.6
25ESE Perim Spc (G.ESE10)	1.0	EXT	-90.0	1.70	24.3	1.00	AIR-CHANGE	0.17	1214.3	21249.4
25NNE Perim Spc (G.NNE11)	1.0	EXT	90.0	1.70	32.6	1.00	AIR-CHANGE	0.15	1631.3	28546.9
25NNE Perim Spc (G.NNE12)	1.0	EXT	180.0	1.70	11.6	1.00	AIR-CHANGE	0.18	579.0	10132.5
25Core Spc (G.C13)	1.0	INT	0.0	1.70	23.2	1.00	AIR-CHANGE	0.00	1161.6	20327.7