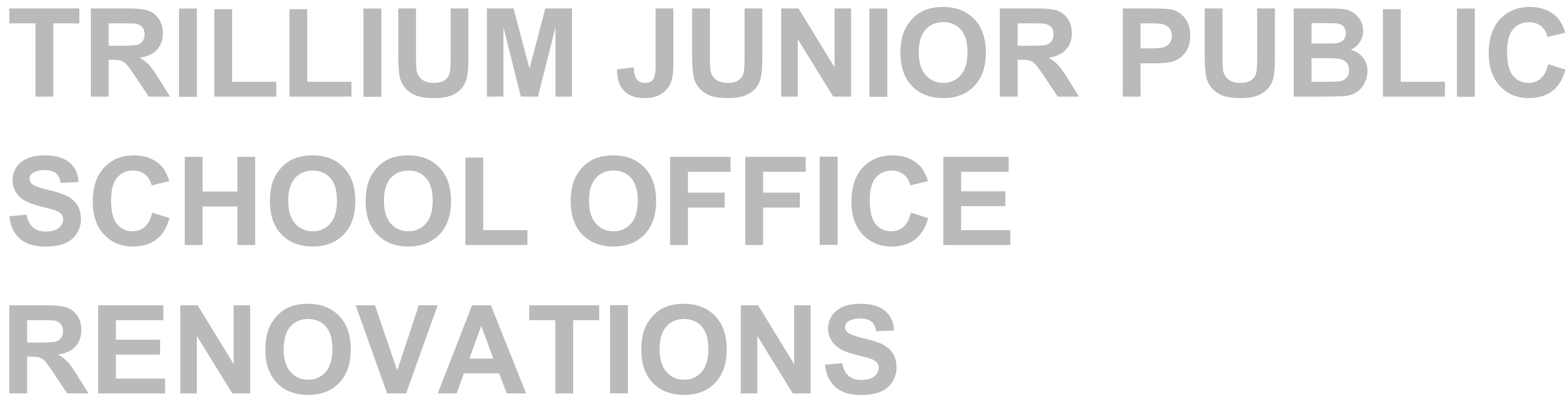




ARCHITECTURAL
WARD99 ARCHITECTS INC.

STRUCTURAL
VX ENGINEERING INC.

S-1	EXISTING PART GROUND FLOOR PLAN AND DETAILS
S-2	PART ROOF FRAMING PLAN AND DETAILS
S-3	ROOF DETAILS
S-4	TYPICAL DETAILS AND GENERAL NOTES

M1.1	KEY PLAN, LEGEND AND SCHEDULES
M2.1	GROUND FLOOR PART PLAN - DRAINAGE DEMOLITION & RENOVATION
M2.2	GROUND FLOOR PART PLAN - DOMESTIC DEMOLITION & RENOVATION
M2.3	GROUND FLOOR PART PLAN - DUCTWORK DEMOLITION & RENOVATION
M3.1	DETAILS

E1.1 LEGEND AND SCHEDULES

E1.2 ELECTRICAL DETAILS

E2.1 PARTIAL GROUND FLOOR DEMOLITION AND RENOVATION
PLANS AND NOTES

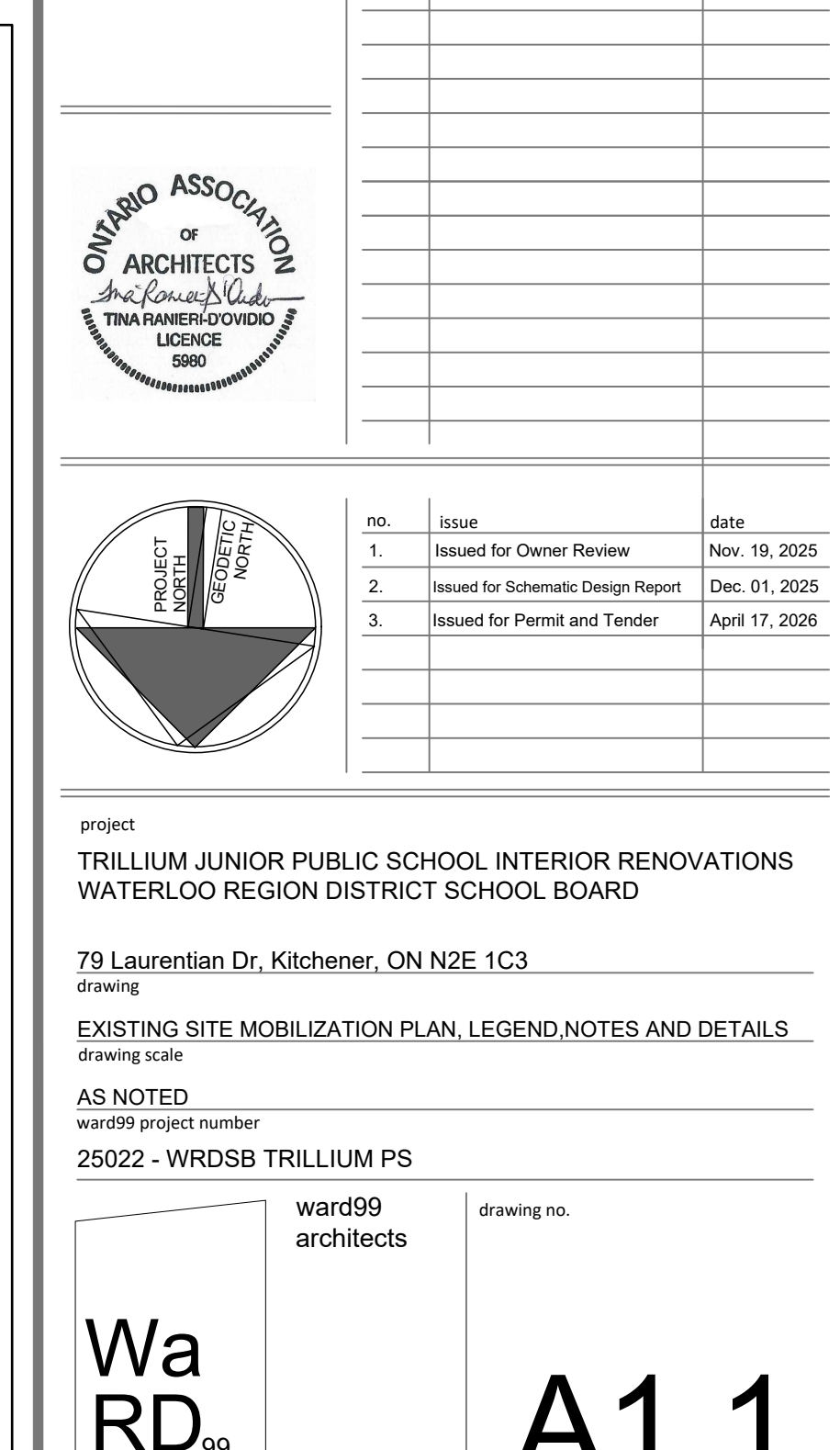
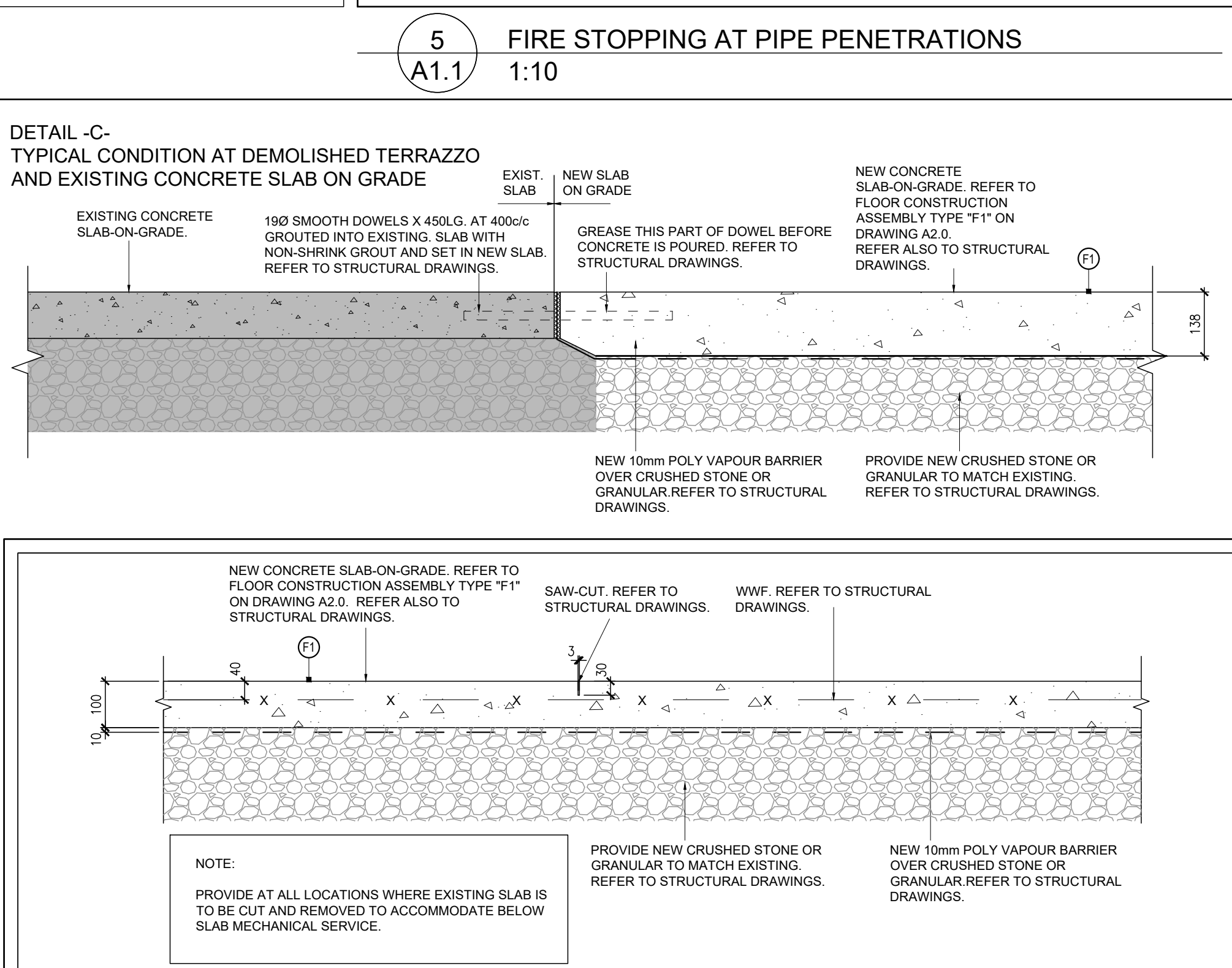
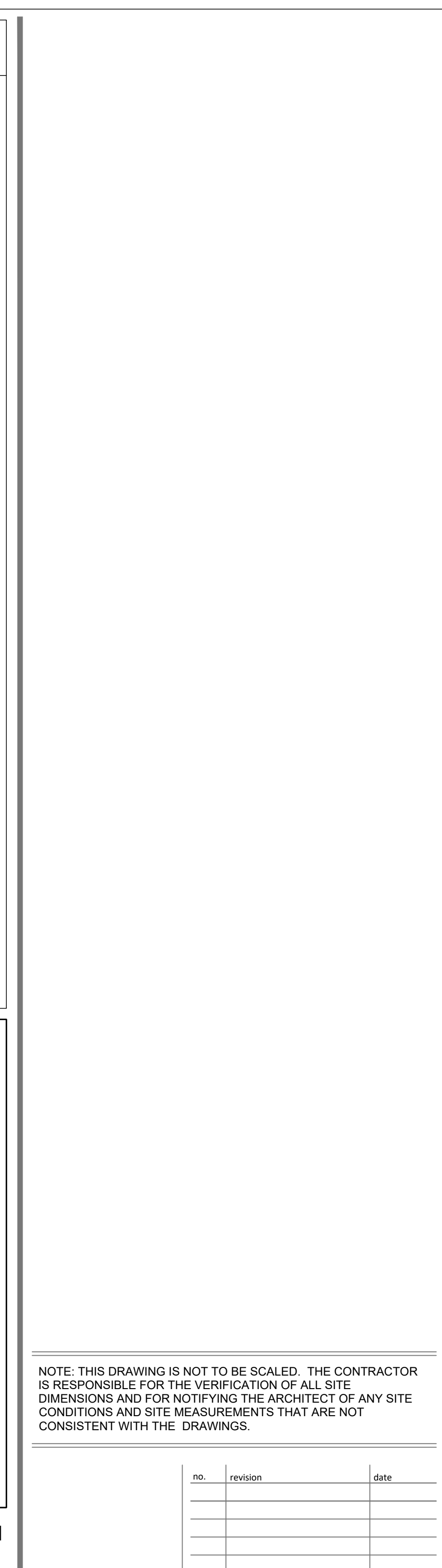
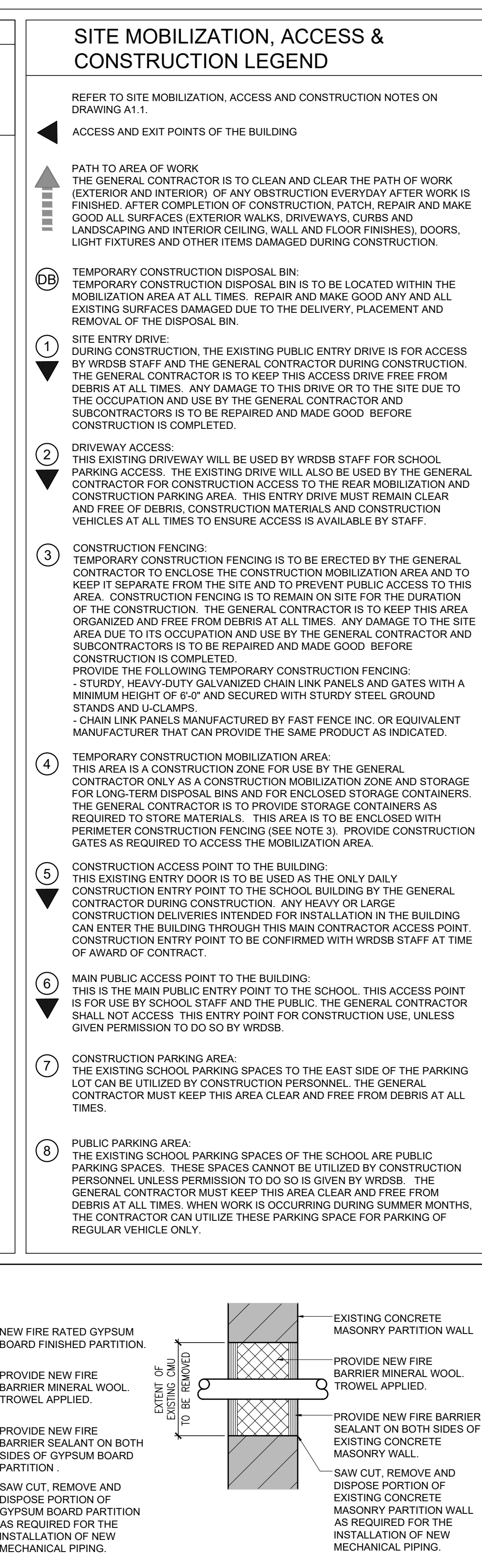
ROOM NAME 1	ROOM TITLE: REFERS TO ROOM NAME
8101	REFERS TO ROOM NUMBER
AREA m2 GL-UNIT	REFERS TO AREA IN m2 REFERS TO OCCUPANT LOAD
	DETAIL TAG: DETAIL NUMBER / DRAWING NUMBER.
	INTERIOR ELEVATION TAG: INTERIOR ELEVATION DETAIL NUMBER / DRAWING NUMBER
	BUILDING ELEVATION TAG: BUILDING ELEVATION DETAIL NUMBER / DRAWING NUMBER
	BUILDING / WALL SECTION TAG: SECTION DETAIL NUMBER / DRAWING NUMBER
	PARTITION CONSTRUCTION TAG. REFER TO CONSTRUCTION LEGEND ON DRAWINGS A2.0.
	CEILING CONSTRUCTION TAG. REFER TO CONSTRUCTION LEGEND ON DRAWINGS A2.0.
	FLOOR CONSTRUCTION TAG. REFER TO CONSTRUCTION LEGEND ON DRAWINGS A2.0.
	REFER TO DOOR NUMBER. REFER TO DRAWING AB.1 FOR DOOR HARDWARE SCHEDULE AND DRAWINGS FOR DOOR AND FRAME ELEVATION TYPES.
	REFER TO HOLLOW METAL FRAMED SCREEN. REFER TO HOLLOW METAL FRAMED SCREEN SCHEDULE ON DRAWING 5/A.8.1 FOR SCREEN ELEVATION TYPES.
	REFER TO HOLLOW METAL FRAMED WINDOW. REFER TO HOLLOW METAL FRAMED WINDOW TYPES ON DRAWING 2/A.8.1 FOR VISION PANEL TYPES.
	REFER TO ALUMINUM FRAMED SCREEN. REFER TO ALUMINUM FRAMED WINDOW ELEVATION TYPE ON DRAWING 5/A.2.

Ontario 2024 Building Code Data Matrix Part 11 - Renovation of Existing Building					Building Code Reference	
11.0	Building Code Version:	Q Reg. 163/24		Last Amendment:	Q Reg. 5/25	
11.01	Project Type:	☐ Addition ☒ Renovation ☐ Addition and Renovation ☐ Change of Use Description: Renovation to the existing one storey school building to provide for a renovation to the existing main office area and provision for a new barrier-free washroom. Area of renovation is 146.69m².				A11.1.2.
11.02	Major Occupancy Classification:	Occupancy Group: Division 2 Use: Elementary School *Closest Classification: O.B.C. 3.2.2.25. *Group A, Division 2, up to 2 Storeys				3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	☒ No ☐ Yes Description:				3.2.2.7
11.04	Building Area (m ²)	Description: Building Area (m²): Existing 2354.43 m² New 0 m² Total 2354.43 m²				A11.1.2.
11.05	Building Height	1 Storey Above Grade 0 Storey Below Grade 3.90 (m) Above Grade				A11.4.1.2. & 3.2.1.1.
11.06	Number of Streets/Firefighter Access	1 Street(s)				3.2.2.10. & 3.2.5.
11.07	Building Size	☐ Small ☐ Medium ☐ Large ☐ >Large				T.11.2.1.1.-B.-N.
11.08	Existing Building Classification:	Change in Major Occupancy: ☐ Yes ☒ No ☐ Not Applicable (no change of major occupancy) Construction Index: - Hazard Index: - Importance Category: ☐ Low ☐ Normal ☐ High ☐ Post-disaster *Building is an elementary school.				11.2.1.1. T.11.2.1.1.-A. T.11.2.1.1.B TO 1.N 4.2.1.(3). 5.2.2.1.(2)
11.09	Renovation Type:	☐ Basic Renovation ☒ Extensive Renovation				11.3.3.1. 11.3.3.2.
11.10	Occupant Load:	Floor Level/Area Occupancy Type Based On Occupant Load (Persons) *Note: OCCUPANCY OF THE SCHOOL BUILDING REMAINS UNCHANGED.				3.11.7, 2.1.2.2., and 11.4.22.
11.11	Plumbing Fixture Requirements	Ratio: M:F = 50:50 Except as otherwise noted Note: Ground Floor Revisions: Demolish two existing single-use staff washrooms and replace with two new single-use staff washrooms. Addition of one new barrier-free washroom.				3.7.4, 11.34, 11.35, 11.42.4, and 11.4.25.
11.12	Barrier-free Design: Barrier-free Entrances:	☒ Yes ☐ No Existing - 11.3.3.2.; Extensive Renovation Structural n/a Barrier-free entrances remain unchanged. Renovation complies with OBC 3.8.				11.3.1.2, 11.3.3.2, 11.3.3.2.
11.13	Reduction in Performance Level:	Structural: ☐ No ☐ Yes By Increase in Occupant Load: ☐ No ☐ Yes By Change of Major Occupancy: ☐ No ☐ Yes Plumbing: ☐ No ☐ Yes Seepage-System: ☐ No ☐ Yes Extension of combustible construction: ☐ No ☐ Yes				11.4.2.1 11.4.2.2 11.4.2.3 11.4.3.4 11.4.2.5 11.4.2.6
11.14	Compensating Construction:	☐ No ☐ Yes Structural: ☐ No ☐ Yes (explain) Increase in Occupant Load: ☐ No ☐ Yes (explain) Change of Major Occupancy: ☐ No ☐ Yes (explain) Plumbing: ☐ No ☐ Yes (explain) Seepage-System: ☐ No ☐ Yes (explain) Extension of Combustible Construction: ☐ No ☐ Yes (explain)				11.4.3.1 11.4.3.2 11.4.3.3 11.4.3.4 11.4.2.5 11.4.3.6 11.4.3.7.
11.15	Compliance Alternatives Proposed:	☐ No ☐ Yes (list numbers and describe)				11.5.1
11.16	General Notes:	Renovations to the existing one storey non-sprinklered school building; closest classification is as follows: O.B.C. Classification: 3.2.2.25 Group A, Division 2, up to 2 Storeys *building is not more than 2 storeys in building height - building is permitted to be combustible or noncombustible construction - floor assemblies shall be fire separations and, if of combustible construction, shall have a fire-resistance rating not less than 45 min. - except as permitted by Article 3.2.2.17., mezzanines shall have, if of combustible construction, a fire-resistance rating not less than 45 min. - except as permitted by Article 3.2.2.17., roof assemblies shall have, if of combustible construction, a fire-resistance rating not less than 45 min. - loadbearing walls, columns and arches supporting an assembly required to have a fire-resistance rating shall (a) have a fire-resistance rating not less than 45 min, or (b) be of noncombustible construction *Note the existing school is less than 2 storeys in height and is constructed of noncombustible construction. Rating at the roof level is not required. 3.3.2.5.(3) Corridors: The 45 min. fire resistance rating, for the fire separation required at a corridor, in an assembly occupancy, is permitted to be waived if the floor area in which the corridor is located is sprinklered. Note: the existing school is not sprinklered and in such a fire separation with a 1 hour fire-resistance rating is required at corridor wall. Scope of Work: 1: Complete renovation of the existing main office and staff work spaces in the one storey school. 2: Demolition of existing masonry and gypsum board finished partitions, flooring, wall and ceiling assemblies, millwork and trimwork, door and window assemblies and provision for new partitions and assemblies to suit the new main office and staff spaces. 3: Removal of two single-use staff washrooms and replacement with two single-use staff washrooms and one barrier-free washroom. 4: Mechanical and electrical upgrades including new light fixtures and devices to suit the renovated layout. 5: Structural upgrades to suit the new layout.				

Wa RD ₉₉	A0.0
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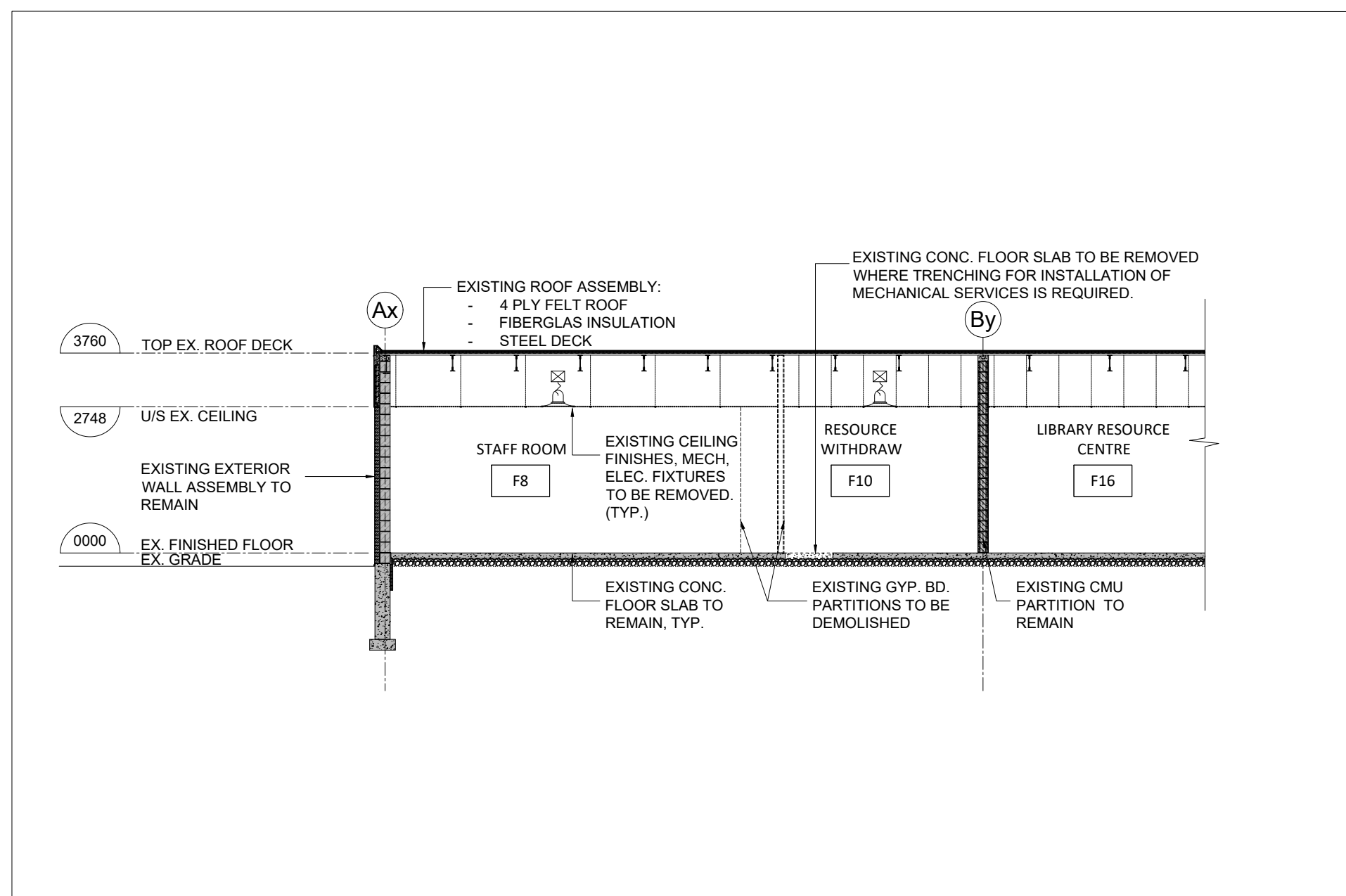
ward99 architects inc.
7611 Pine Valley Dr. Unit 11,
Woodbridge ON L4L0A2
info@ward99architects.com
416 613 5880 www.ward99architects.com

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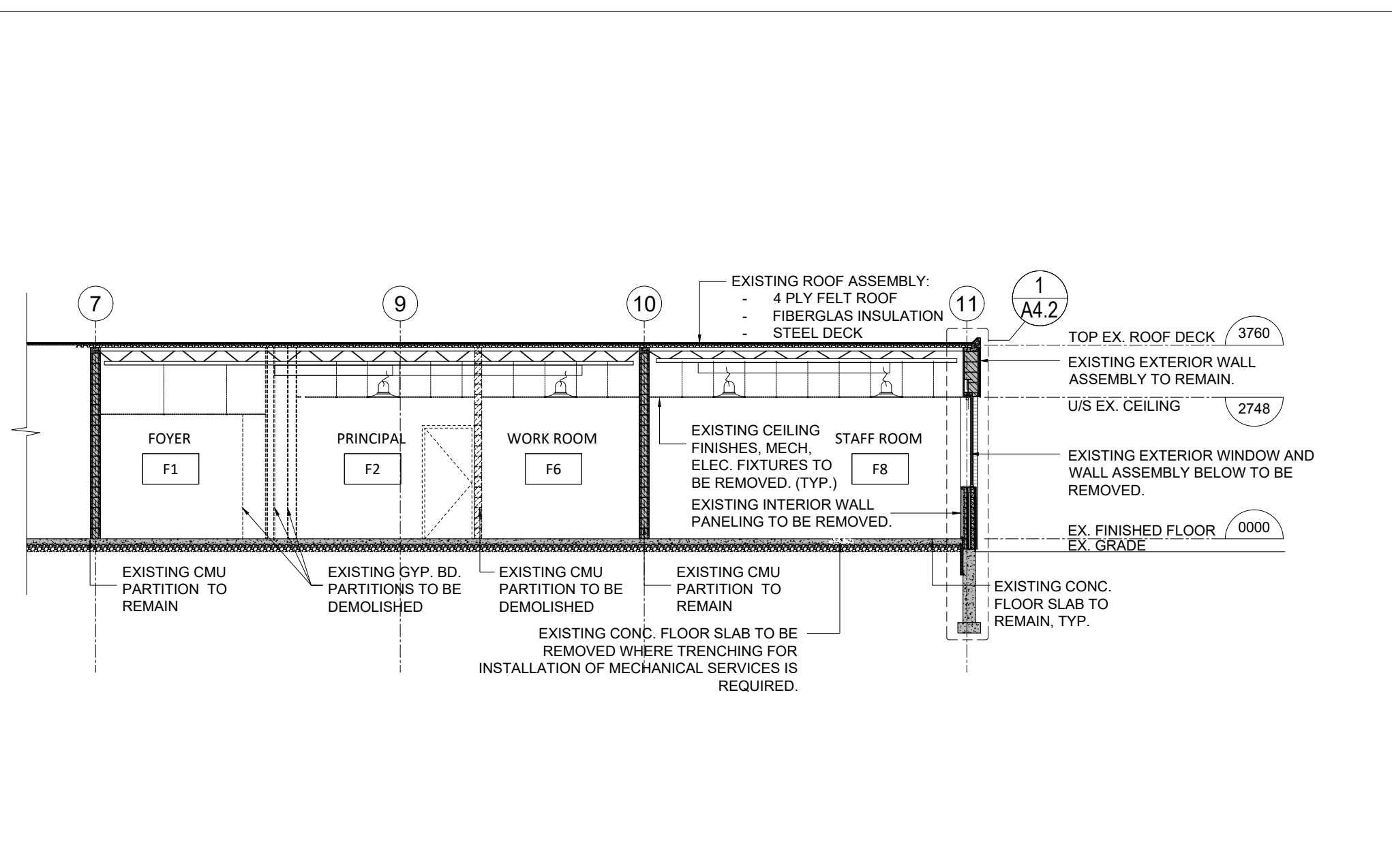




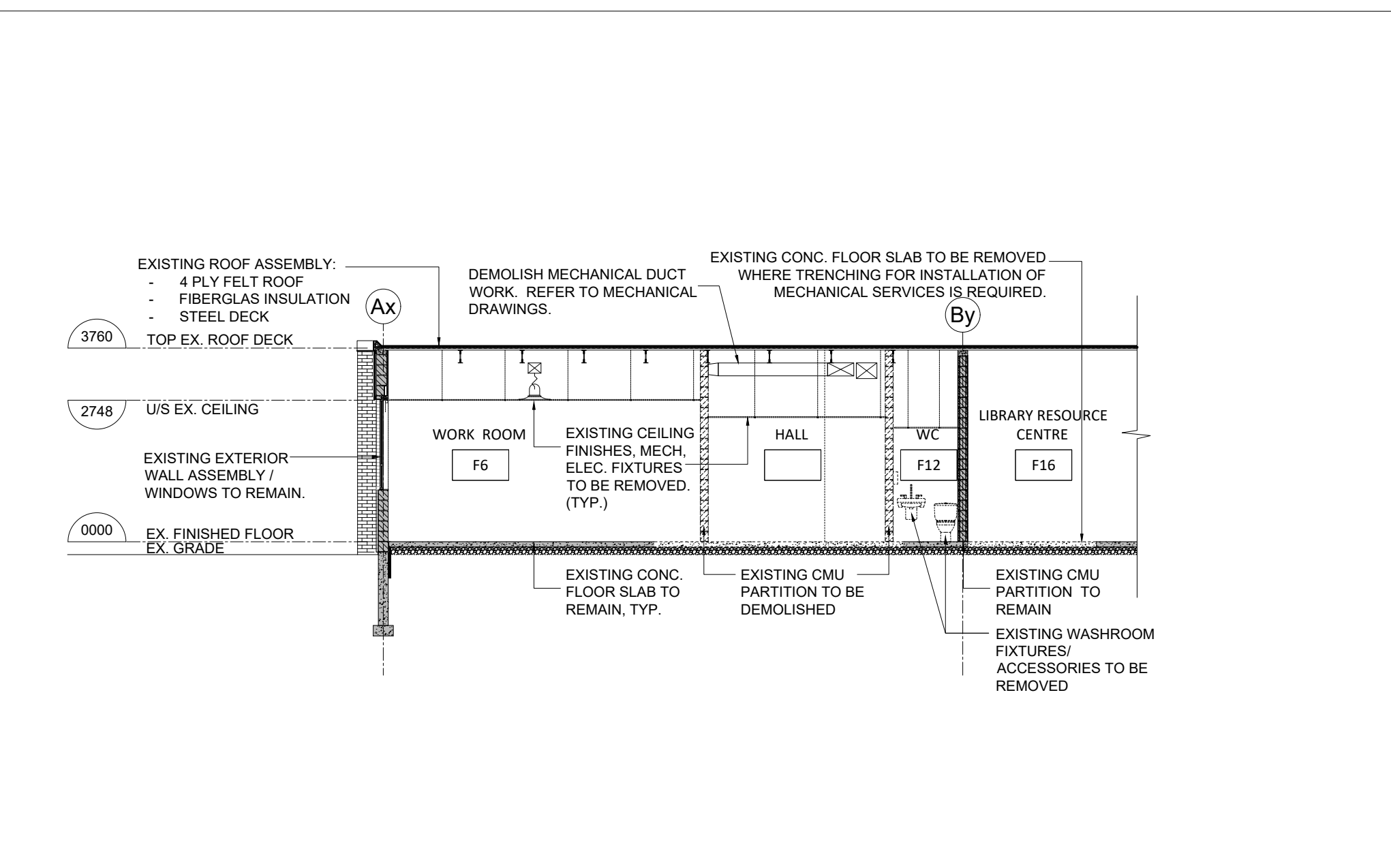
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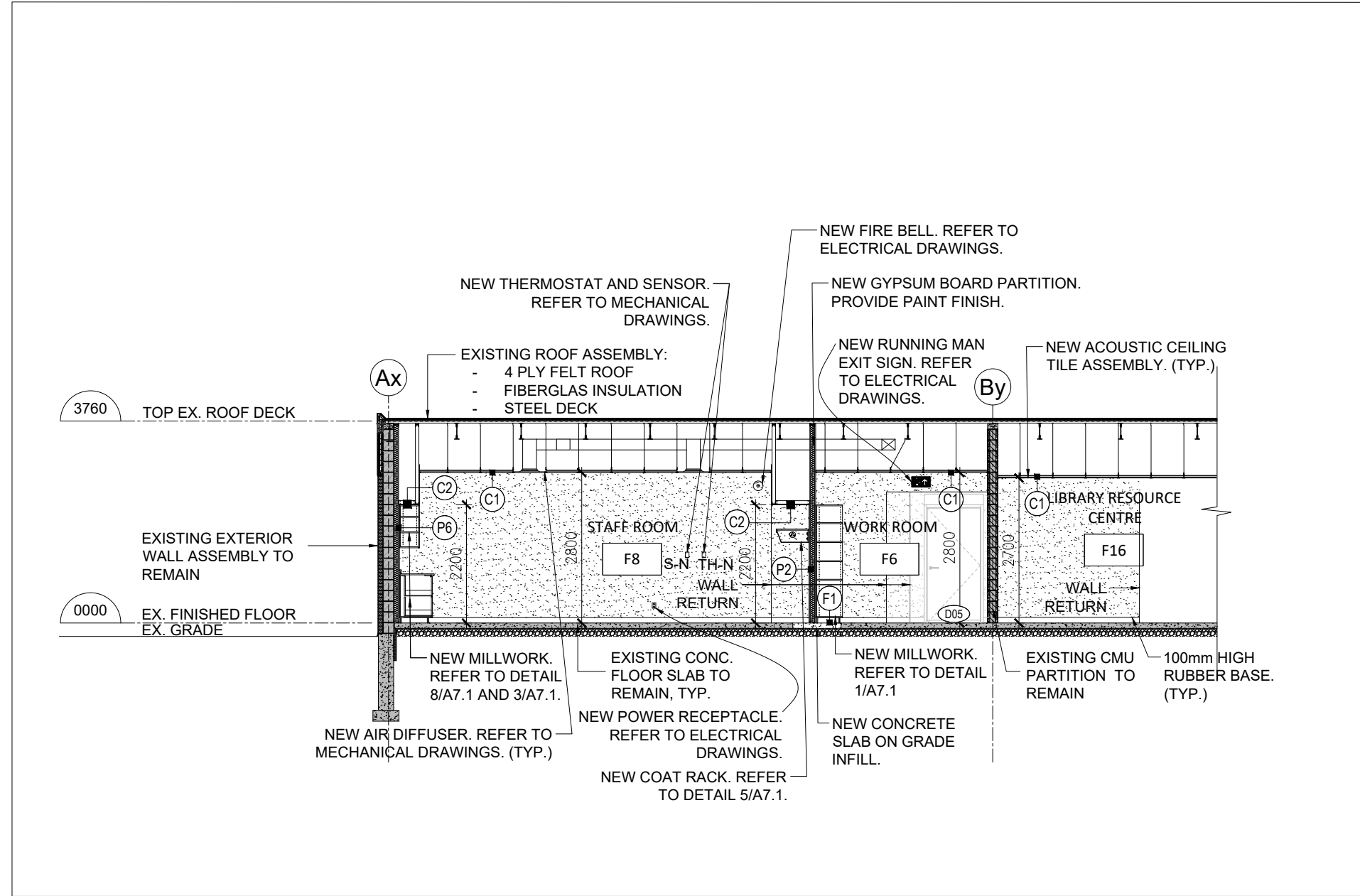
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A4.1 PARTIAL EXISTING SOUTH BUILDING SECTION OF STAFF ROOM - DEMOLITION
1:100



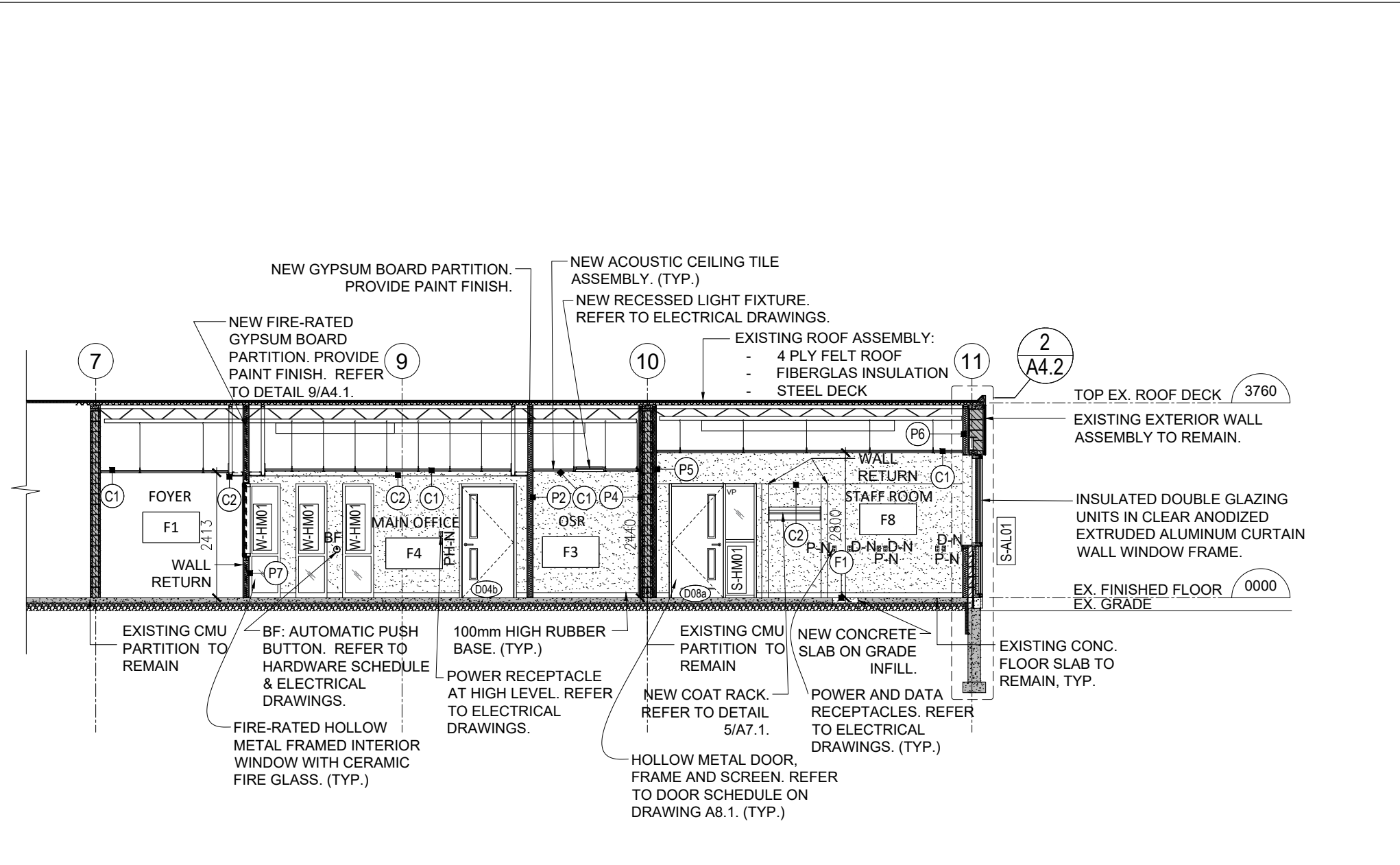
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1:100



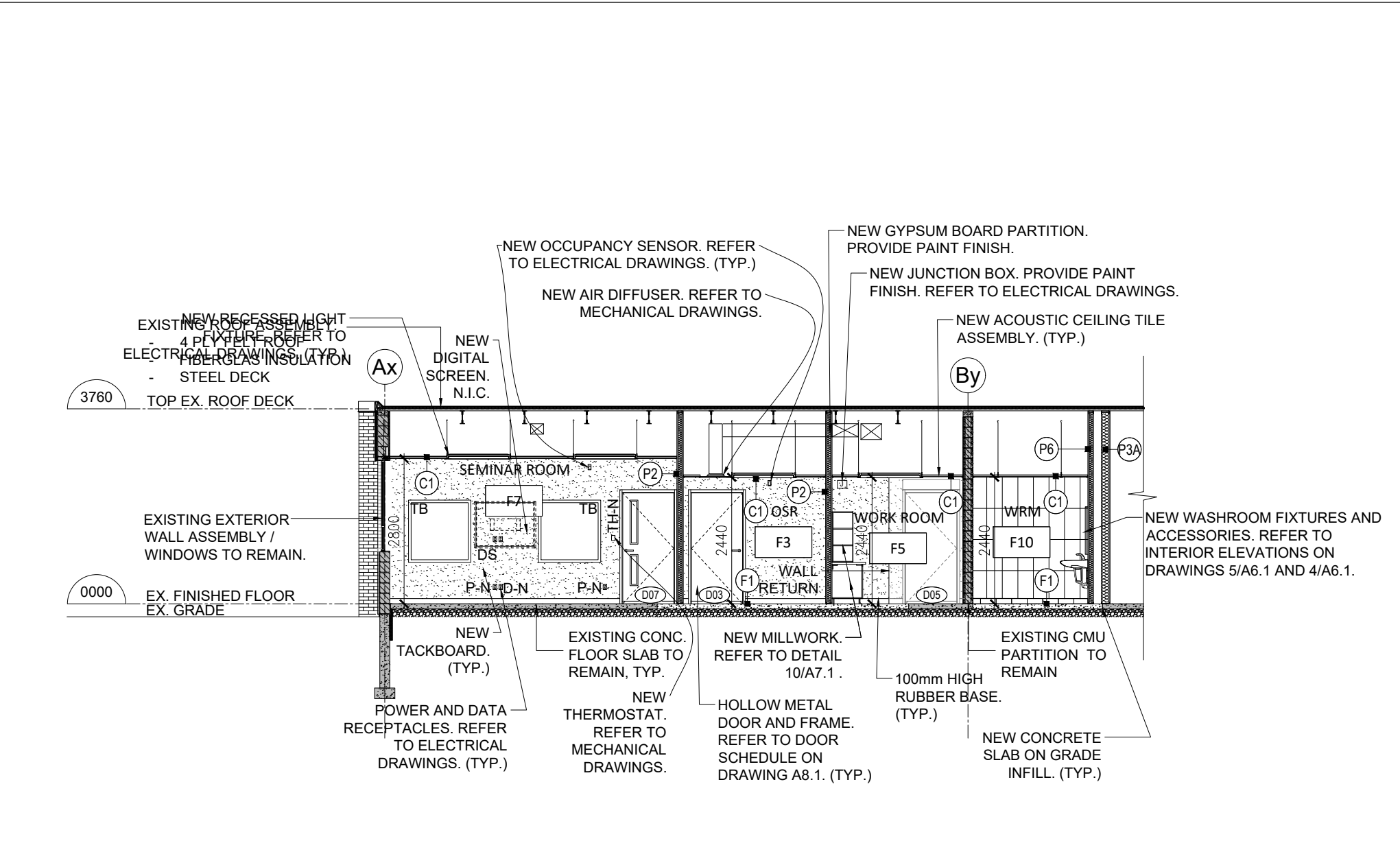
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1:100



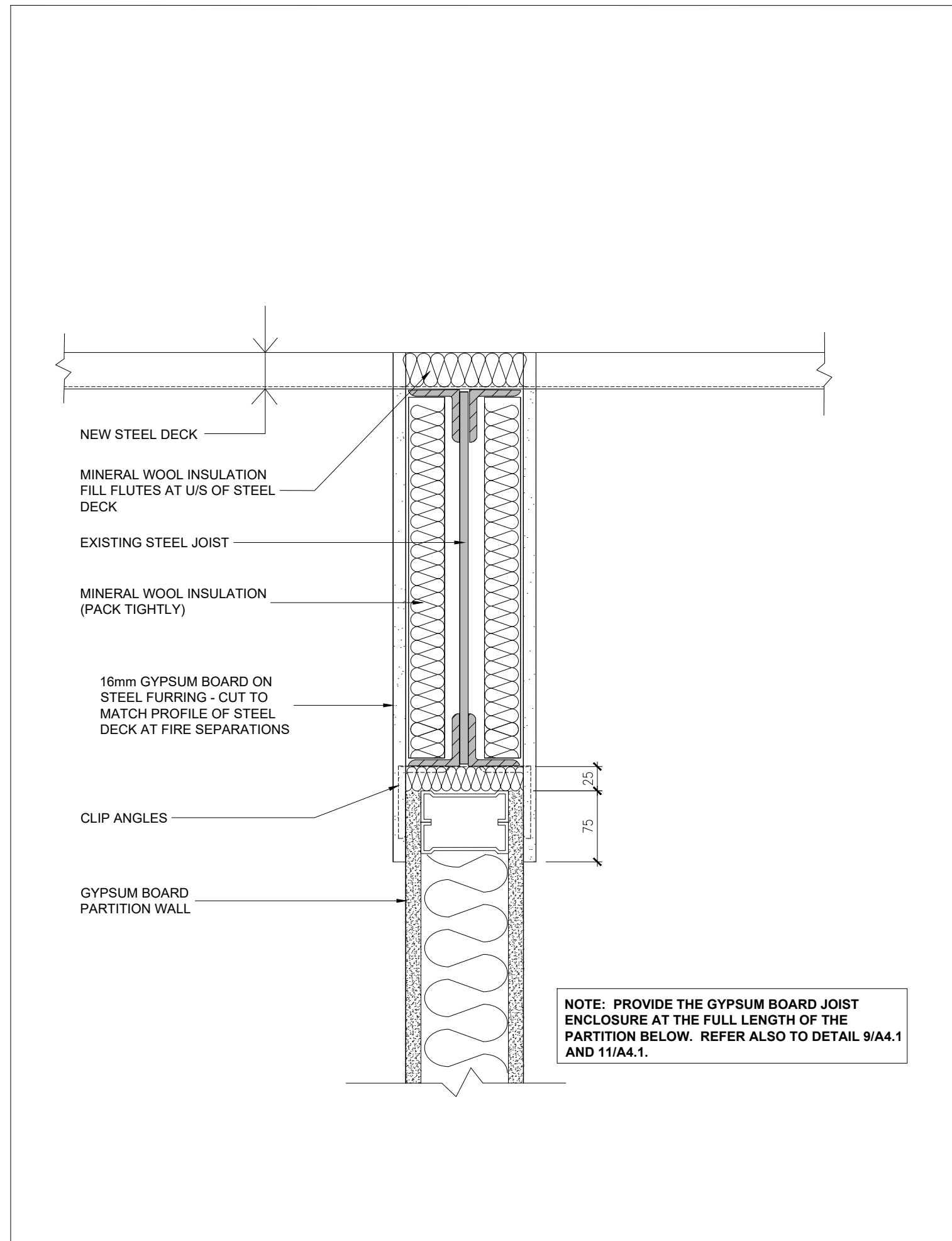
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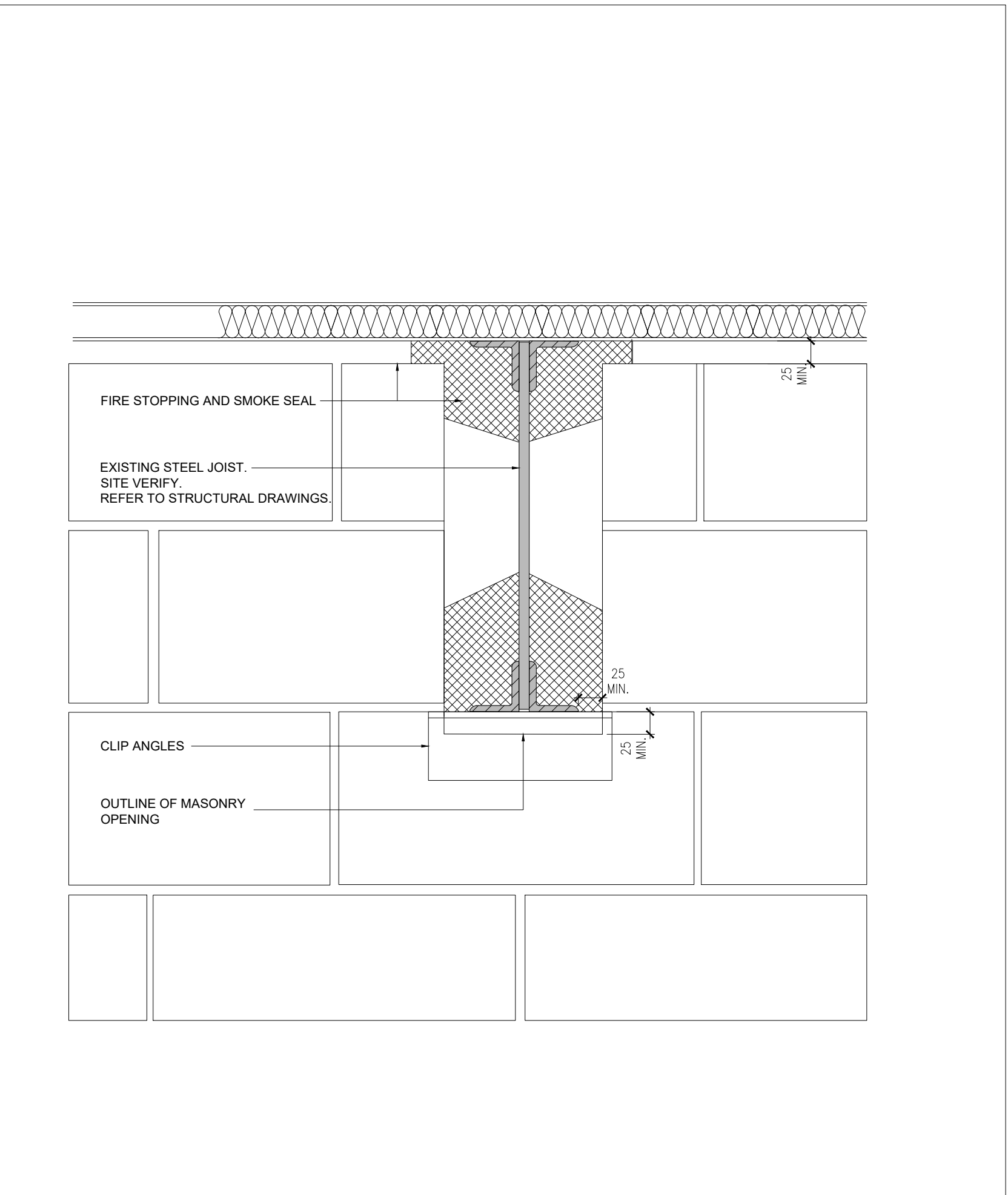
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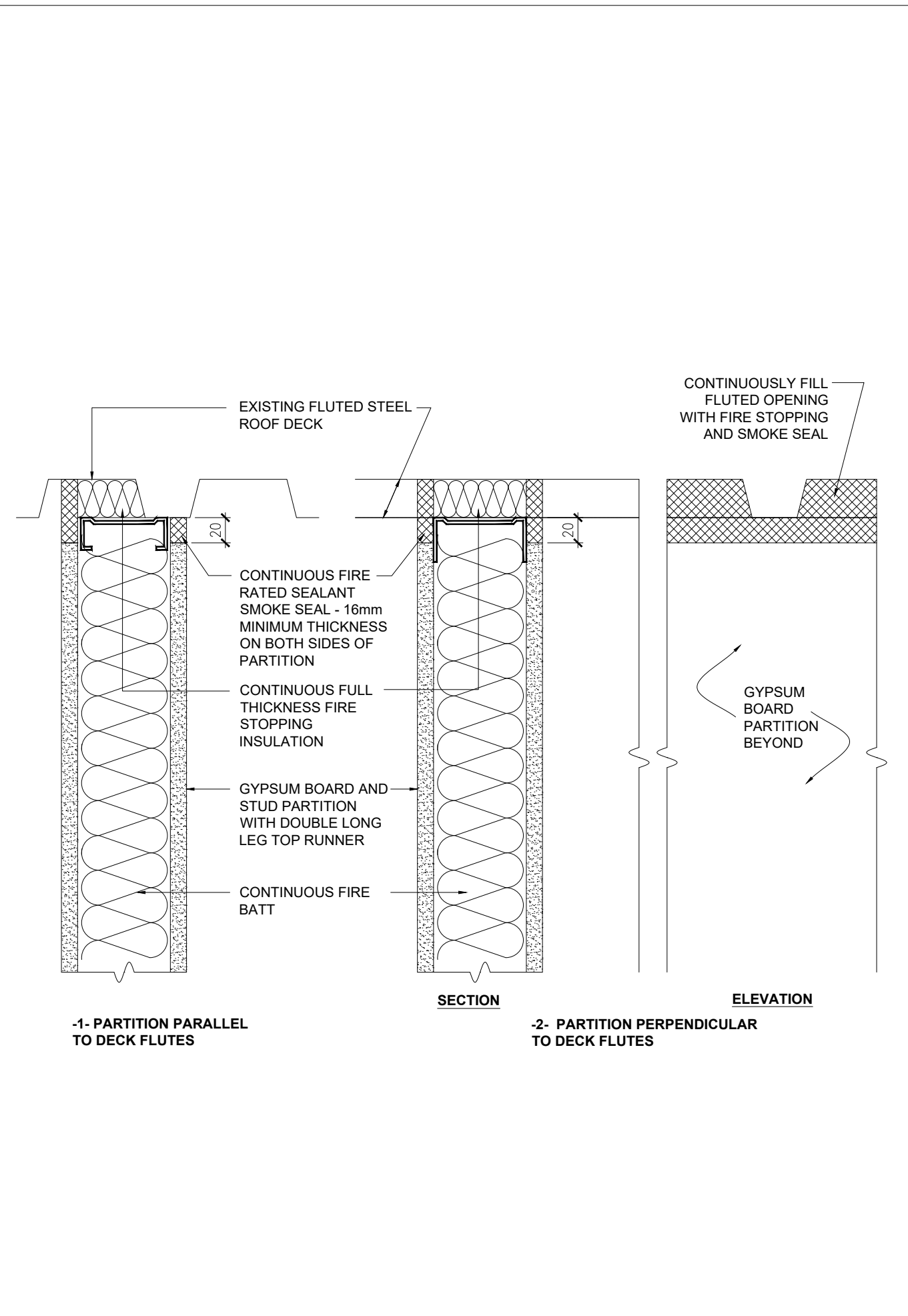
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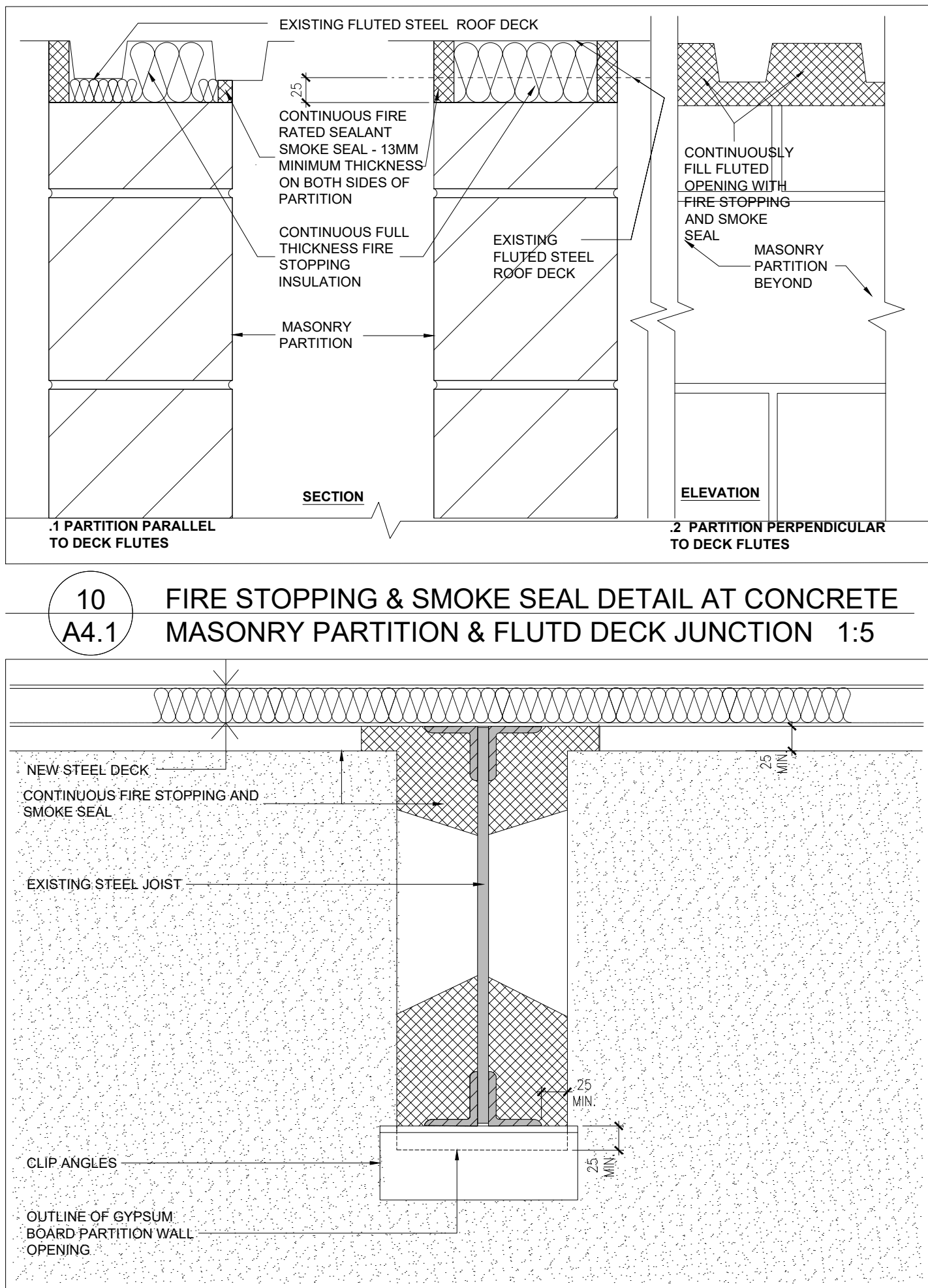
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A4.1 JOIST PARALLEL TO GYPSUM BOARD PARTITION WALL
1:5



8
A4.1 EXISTING JOIST PERPENDICULAR TO CONCRETE MASONRY PARTITION
1:5



9
A4.1 FIRE STOPPING & SMOKE SEAL DETAIL AT GYPSUM BOARD PARTITION & FLUTED DECK JUNCTION
1:5



11
A4.1 JOIST PERPENDICULAR TO GYPSUM BOARD PARTITION WALL
1:5

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

no.	revision	date
1.	Issued for Owner Review	Nov. 19, 2025
2.	Issued for Schematic Design Report	Dec. 01, 2025
3.	Issued for Permit and Tender	April 17, 2026



project
TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD

79 Laurentian Dr, Kitchener, ON N2E 1C3

BUILDING SECTIONS AND DETAILS

drawing scale

AS NOTED

ward99 project number

25022 - WRDSB TRILLIUM PS

ward99 architects

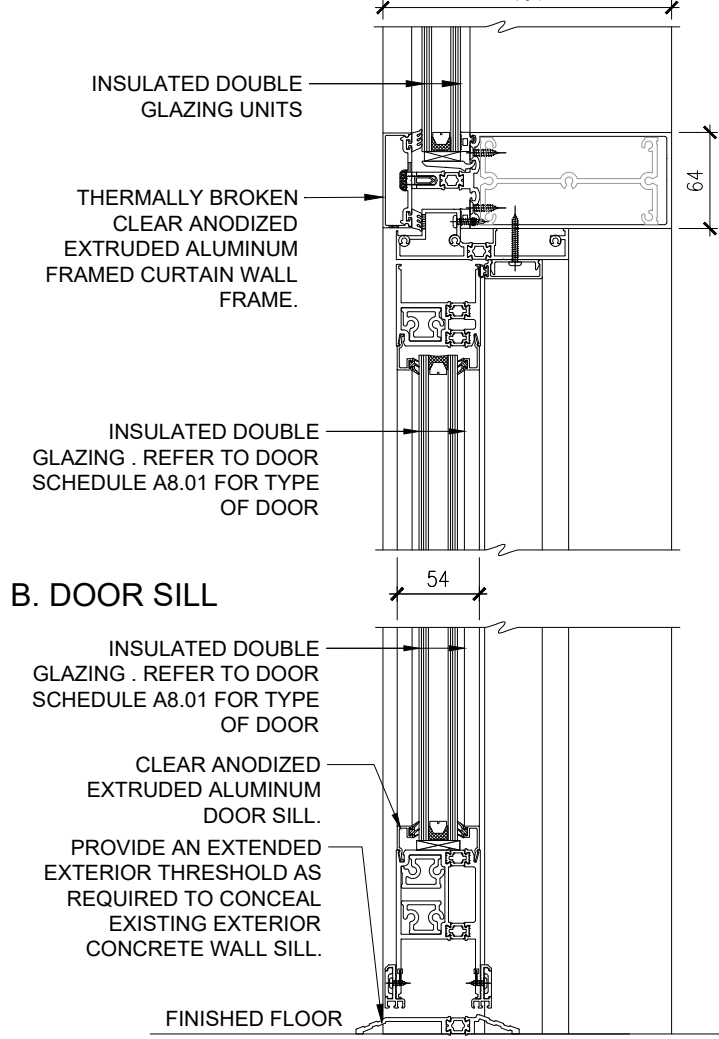
drawing no.

ward99 architects inc.

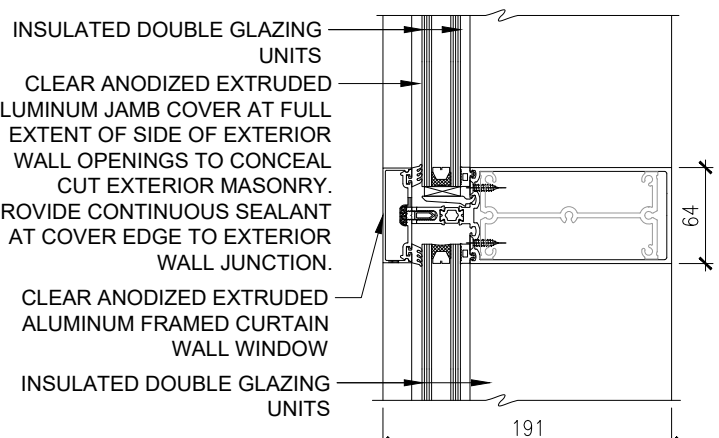
7011 Pine Valley Dr, Unit 11,
Woodbridge ON L4L 0A2
info@ward99architects.com
416 613 5880 www.ward99architects.com

A4.1

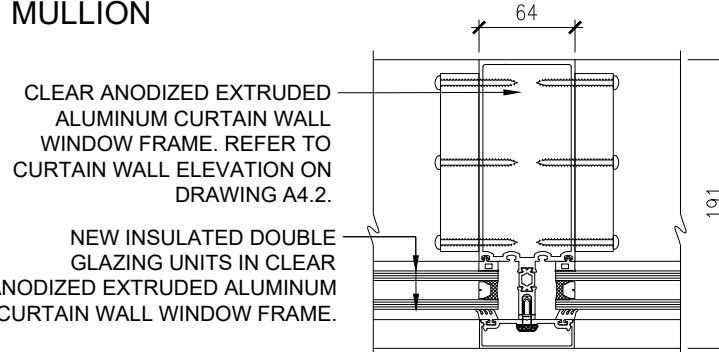
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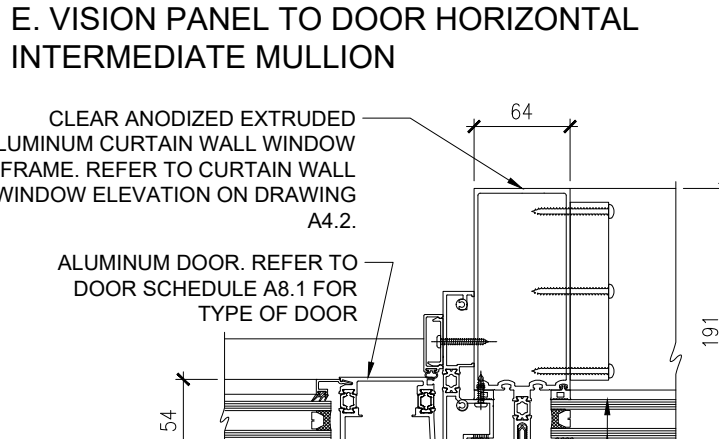
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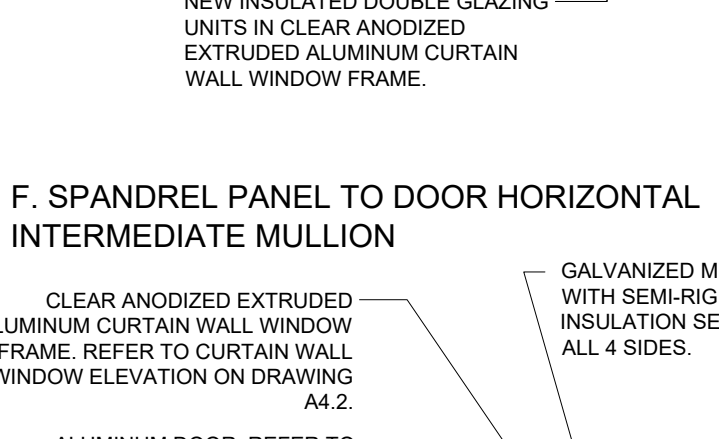
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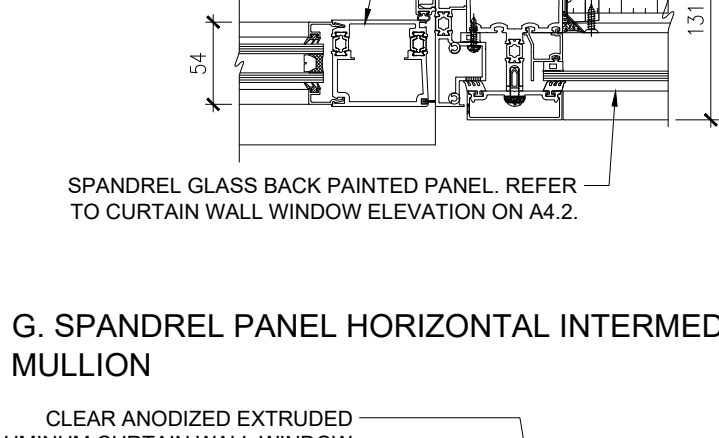
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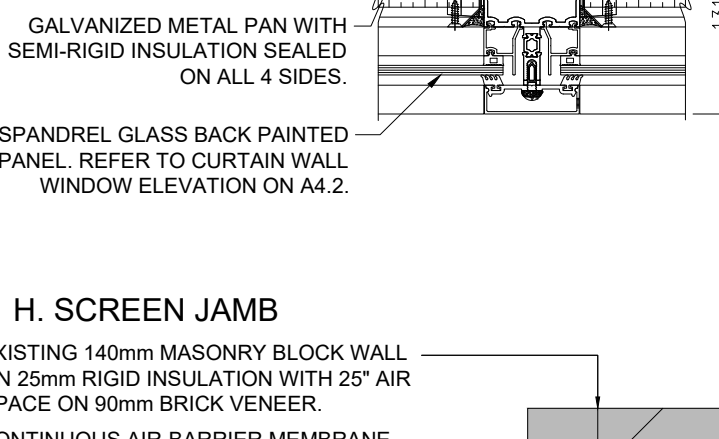
E. VISION PANEL TO DOOR HORIZONTAL INTERMEDIATE MULLION



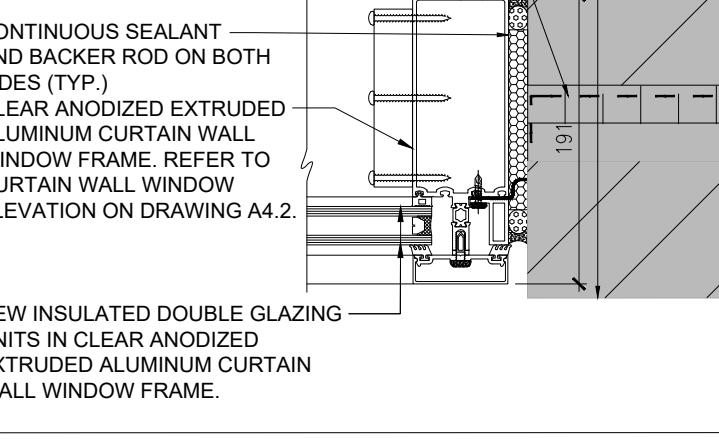
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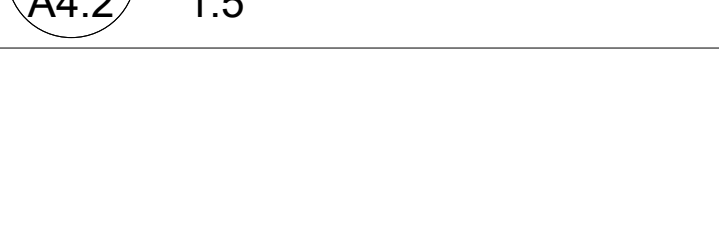
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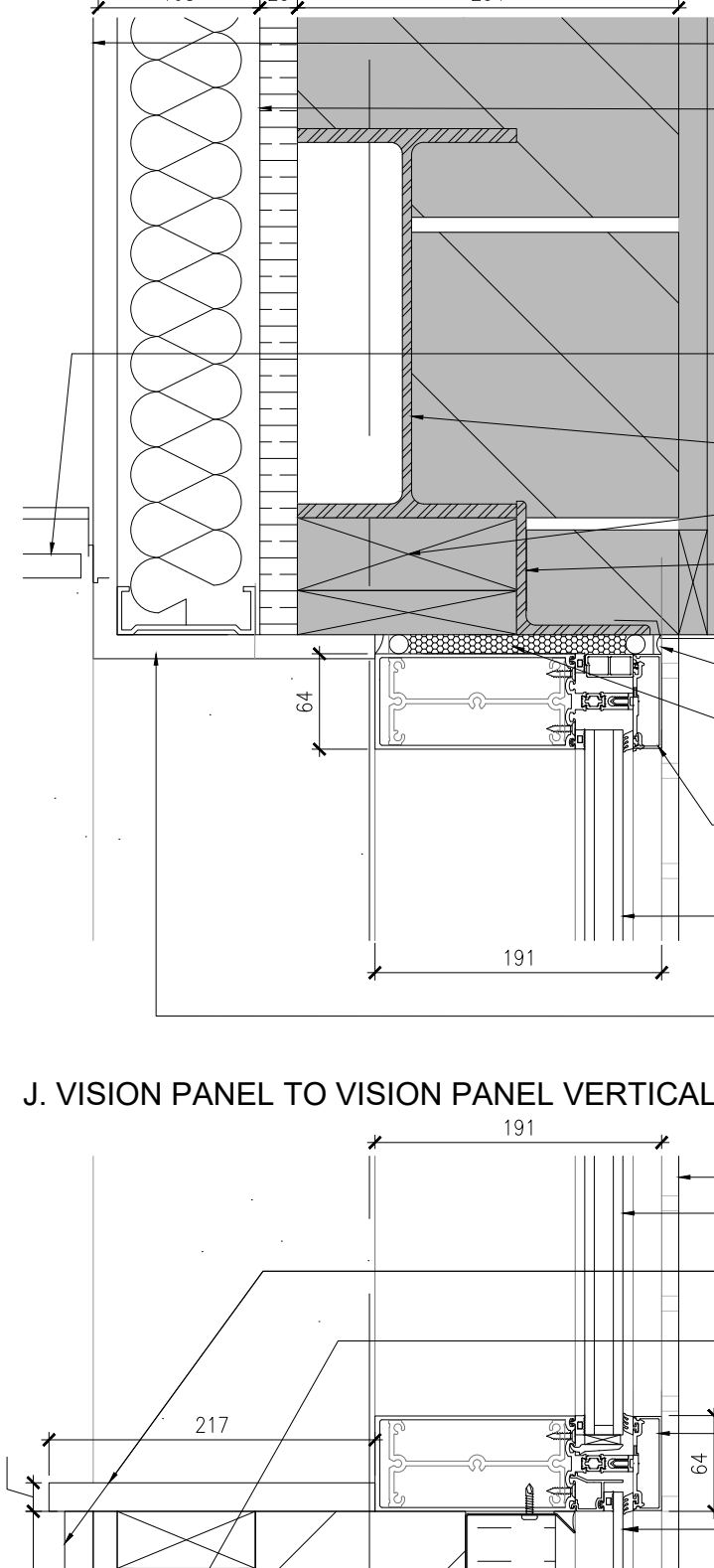
H. SCREEN JAMB



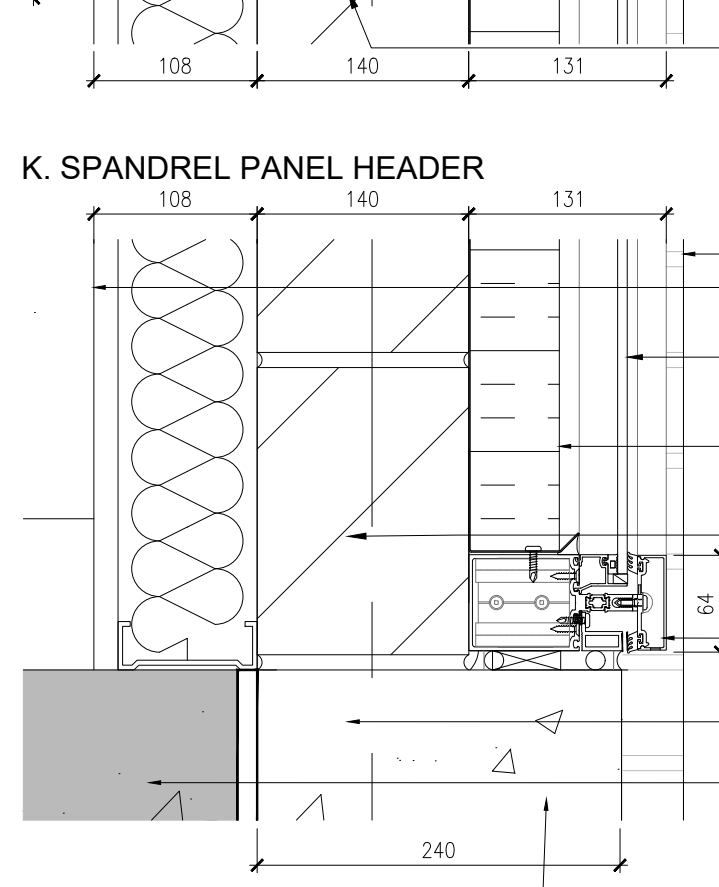
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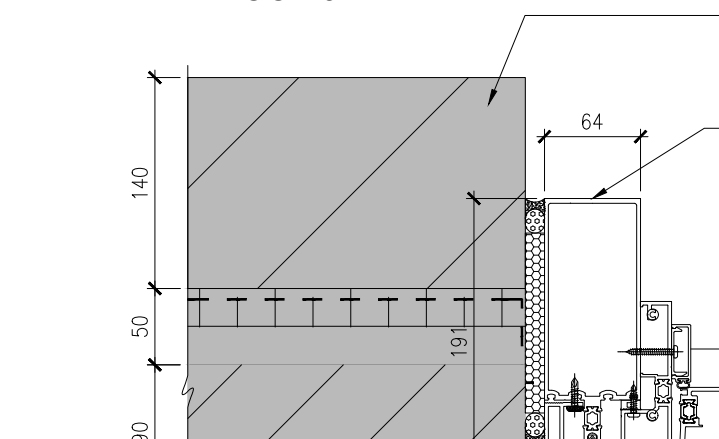
J. VISION PANEL TO VISION PANEL VERTICAL INTERMEDIATE MULLION



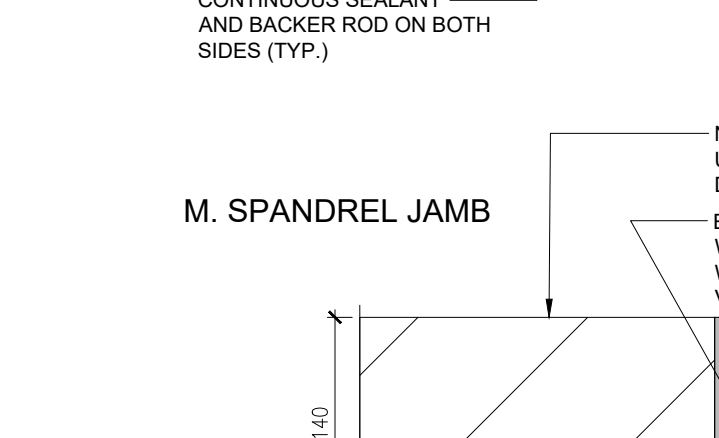
K. SPANDREL PANEL HEADER



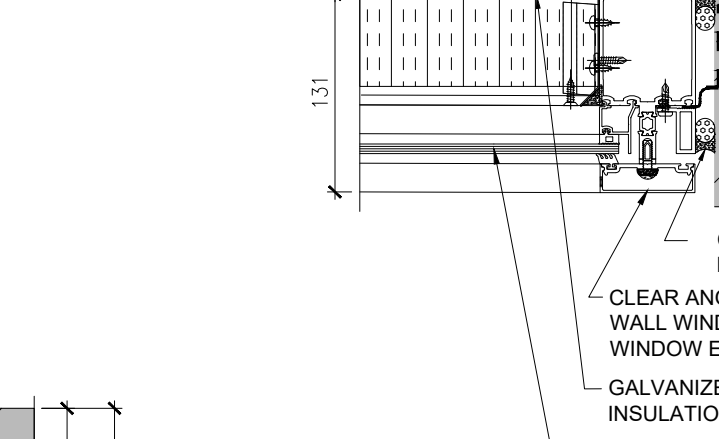
L. DOOR JAMB



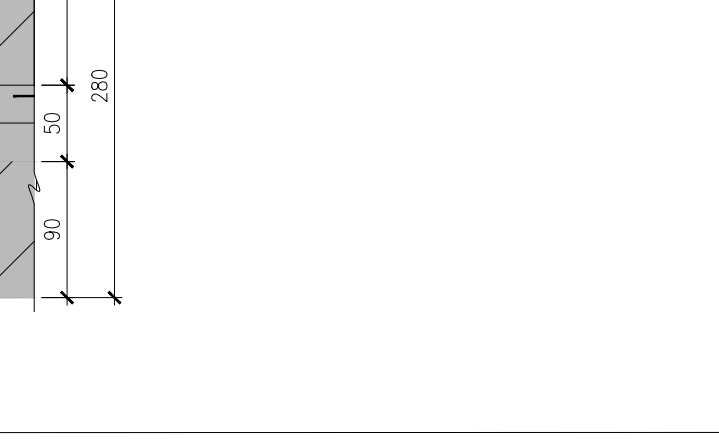
M. SPANDREL JAMB



N. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



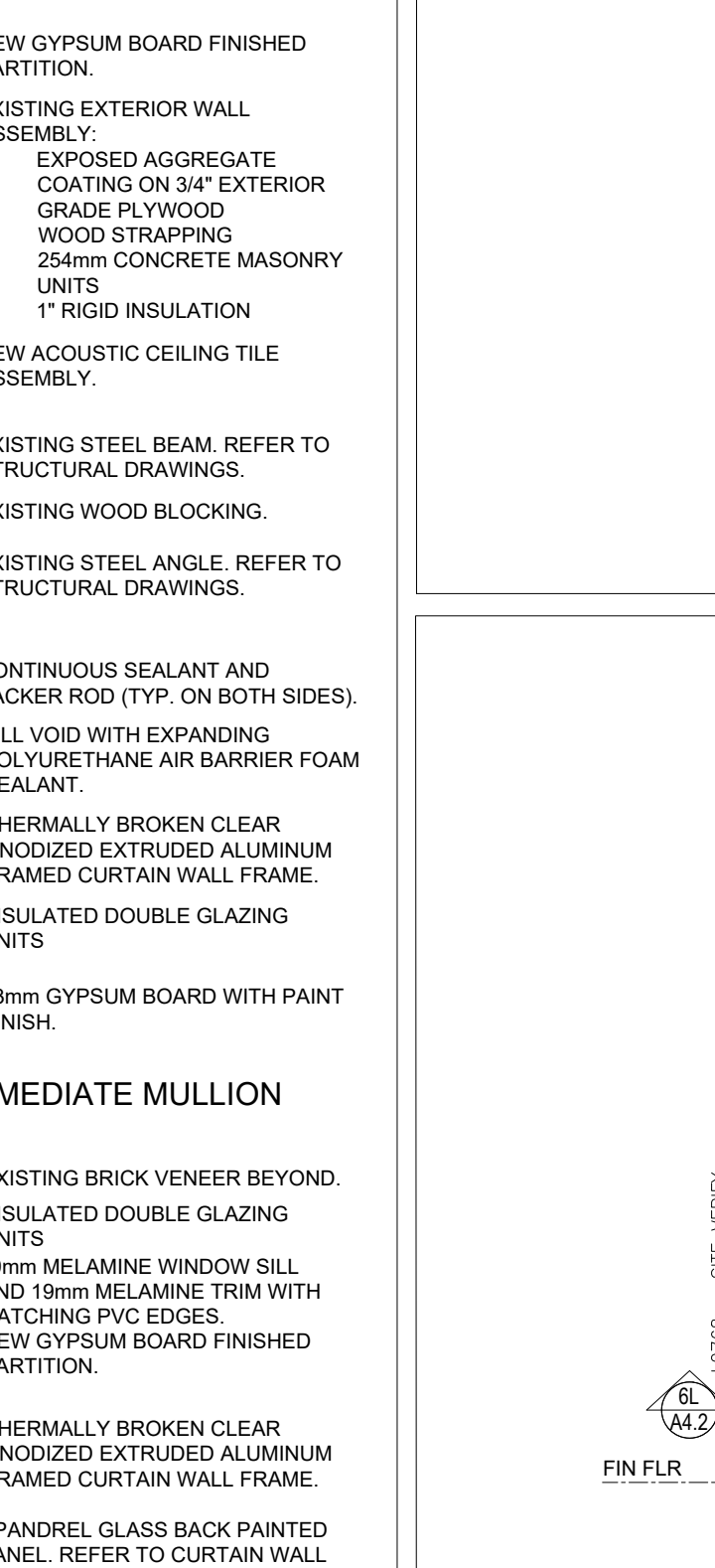
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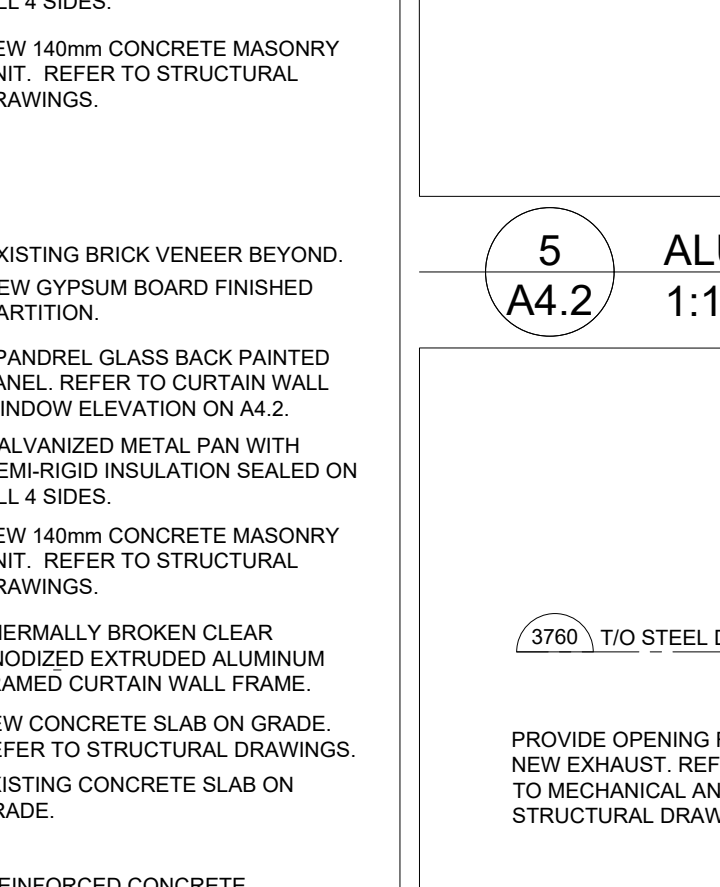
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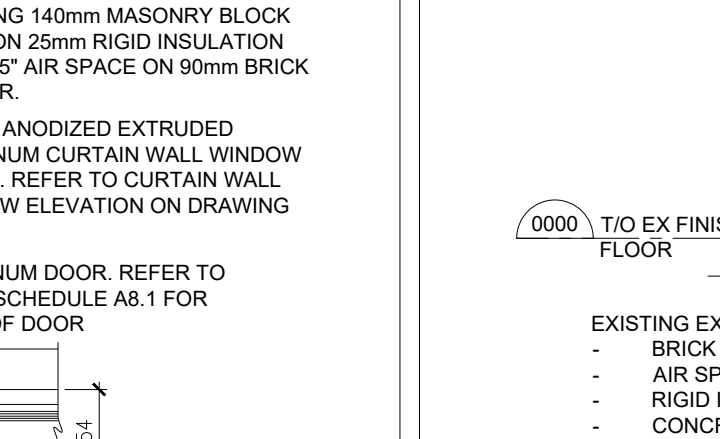
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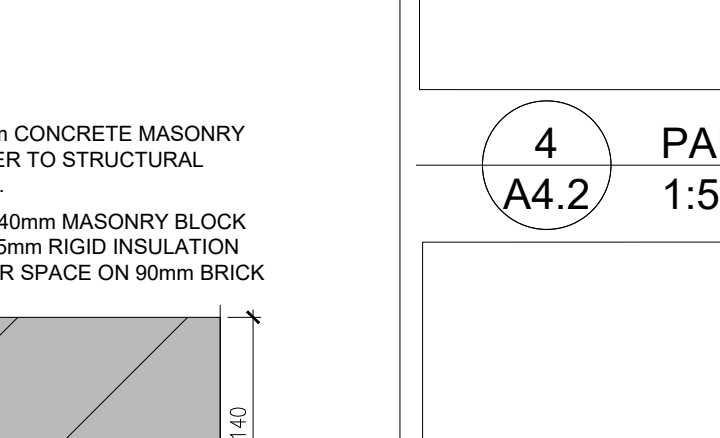
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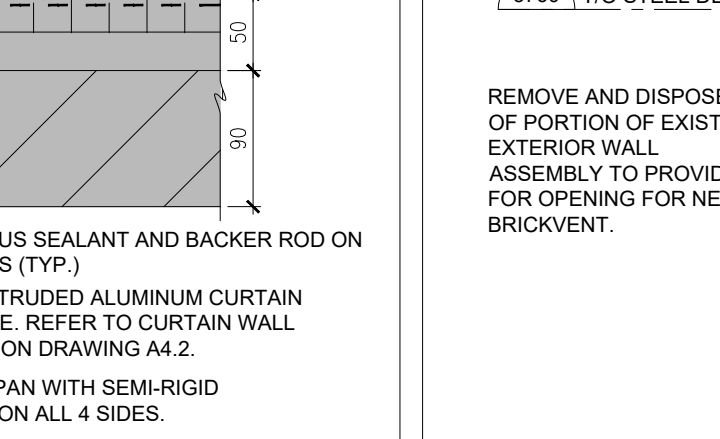
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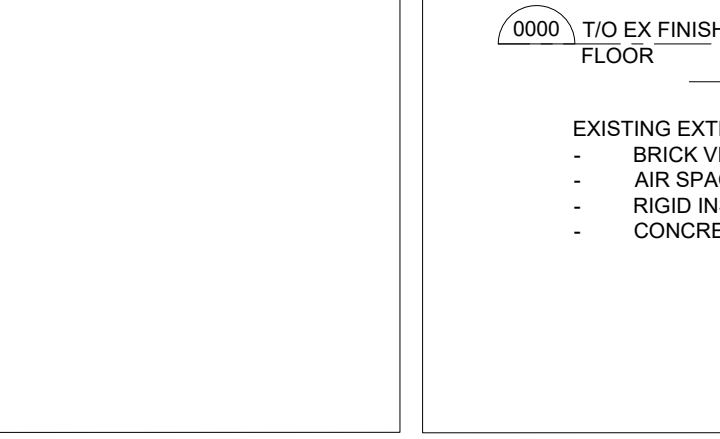
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U. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



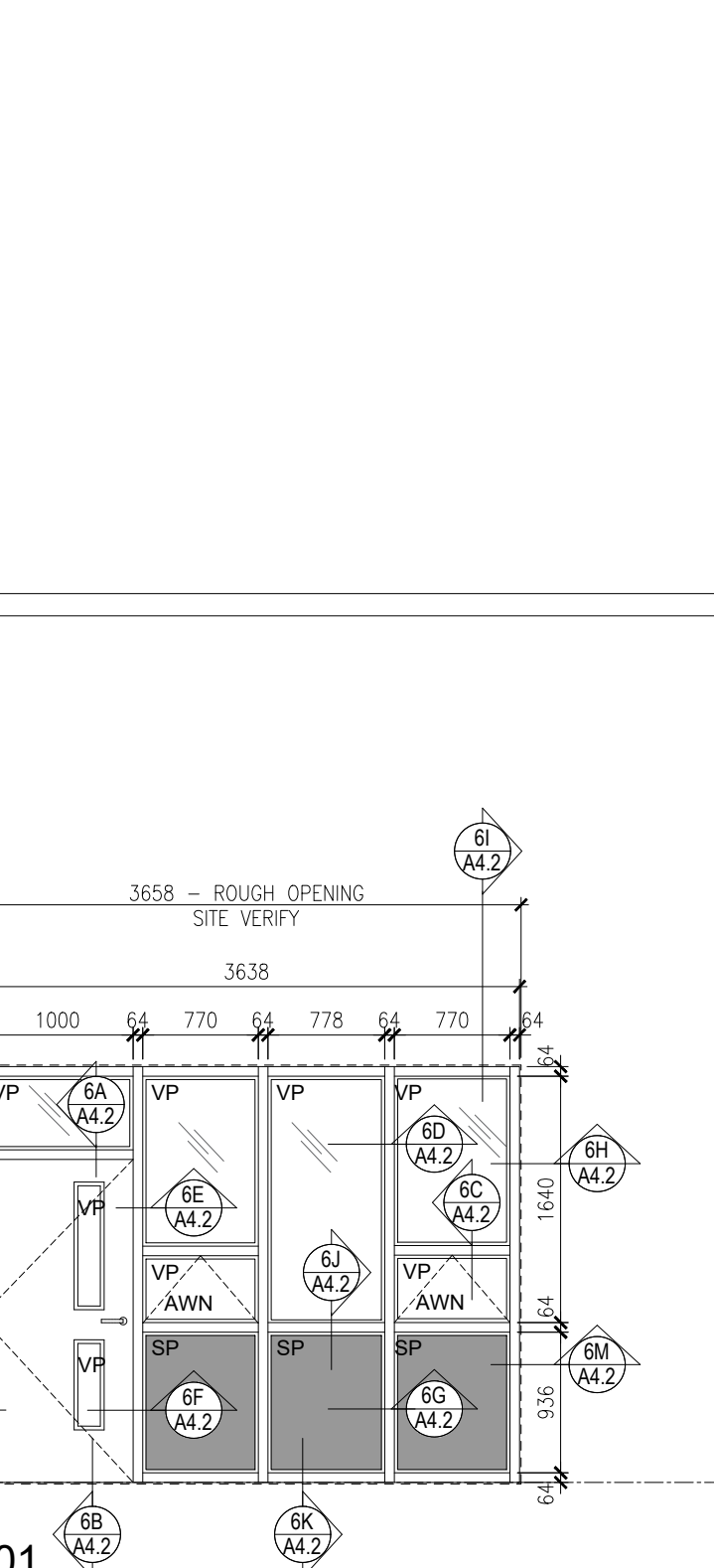
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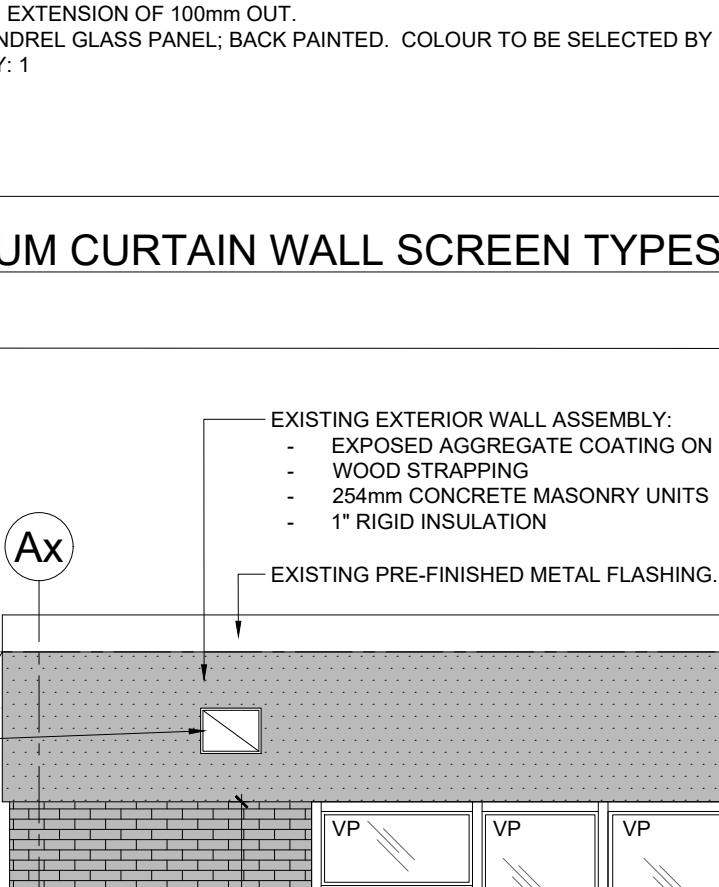
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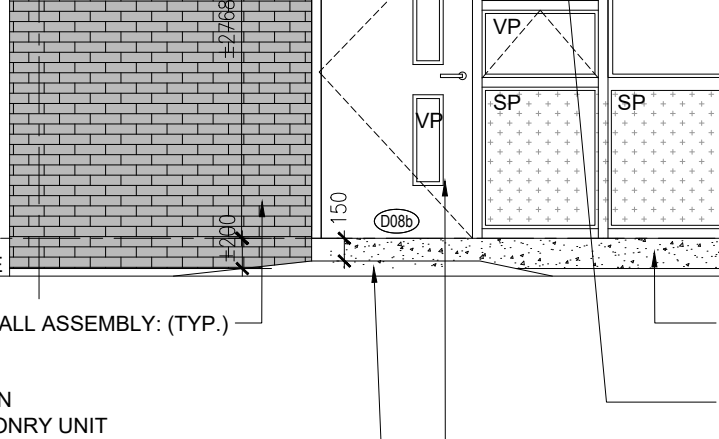
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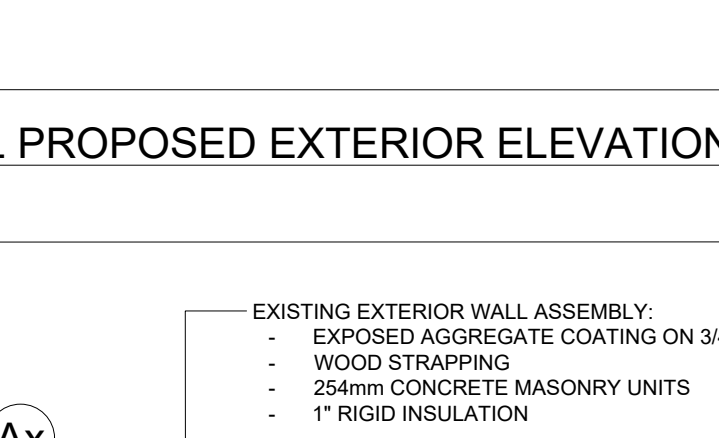
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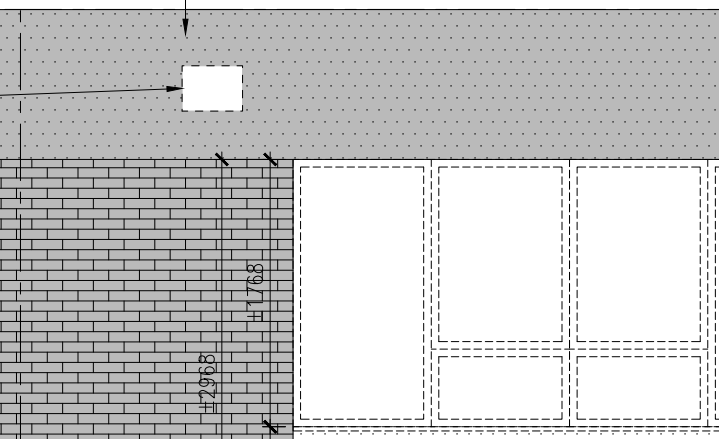
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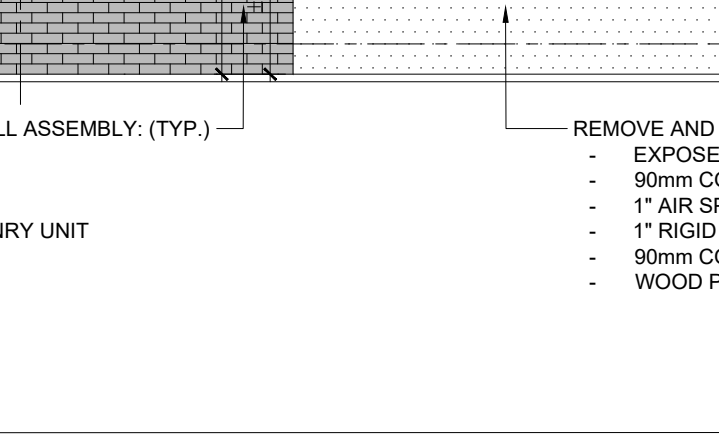
AA. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



AB. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



AC. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



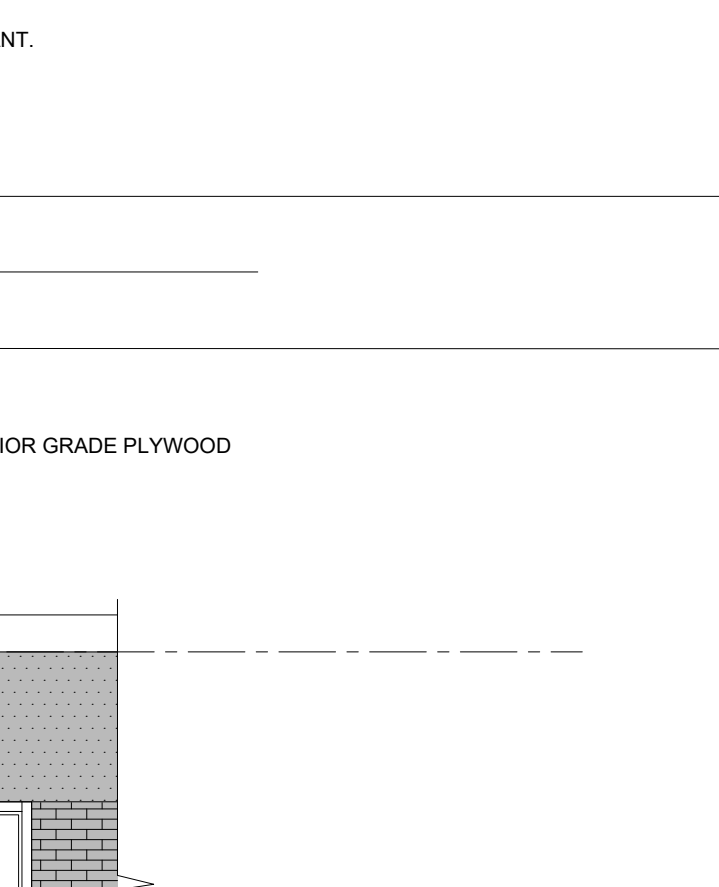
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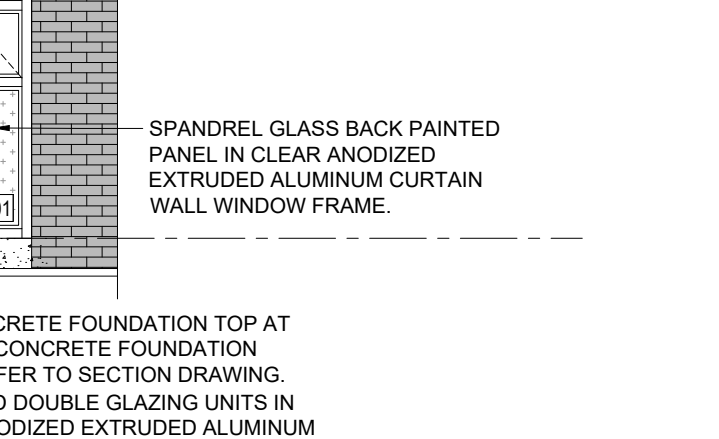
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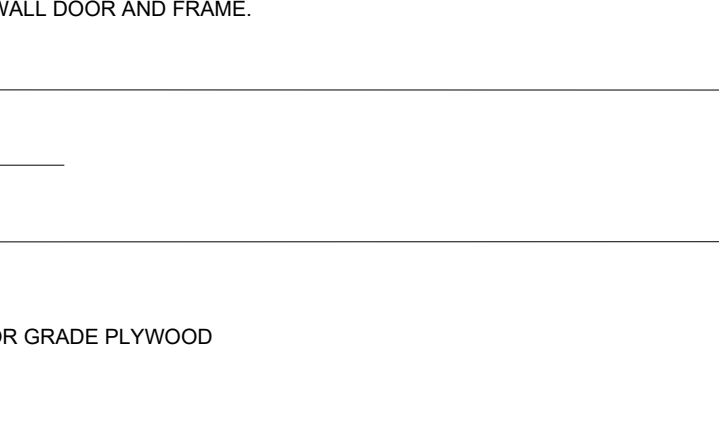
AF. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



AG. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



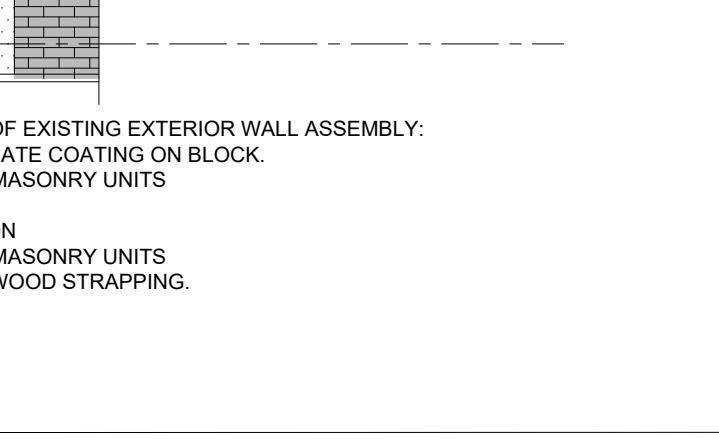
AH. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



AI. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



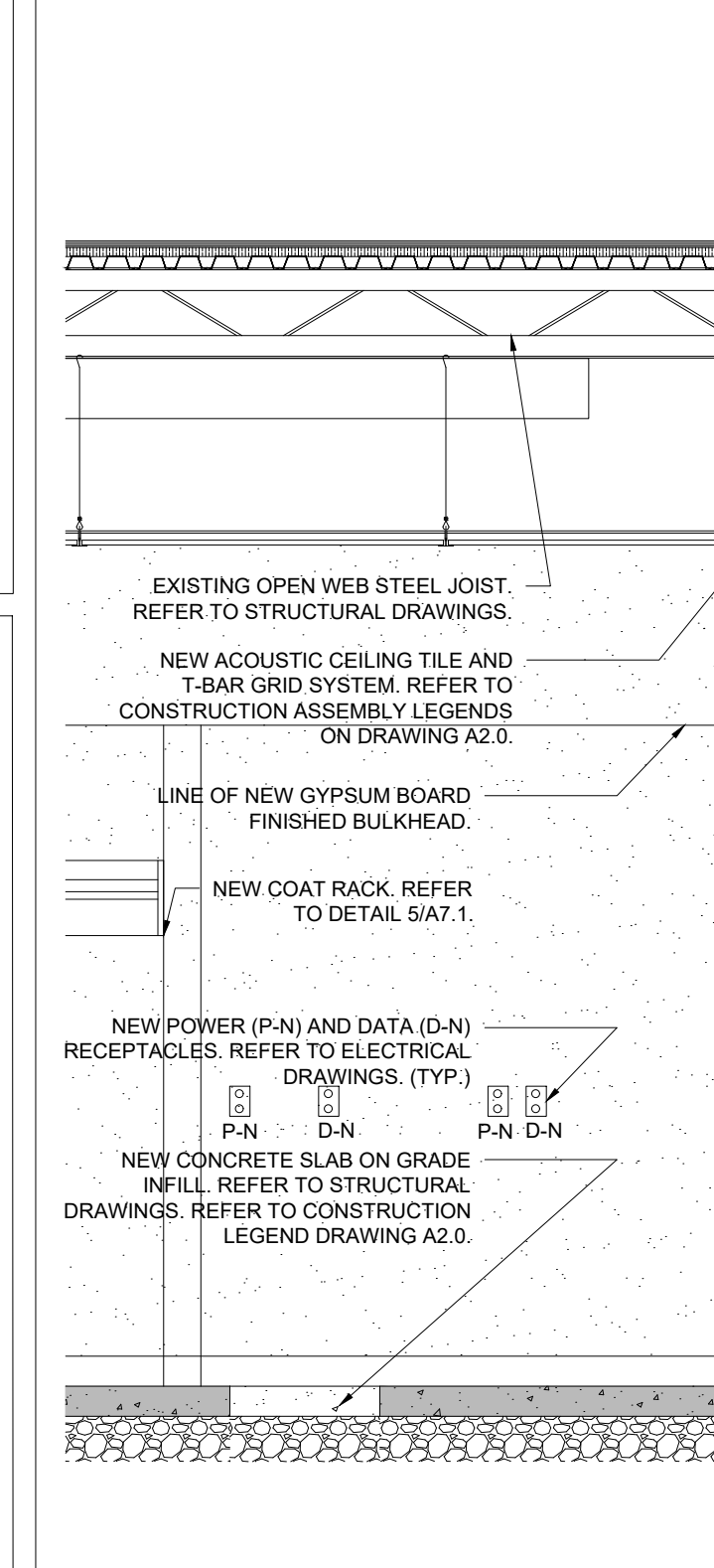
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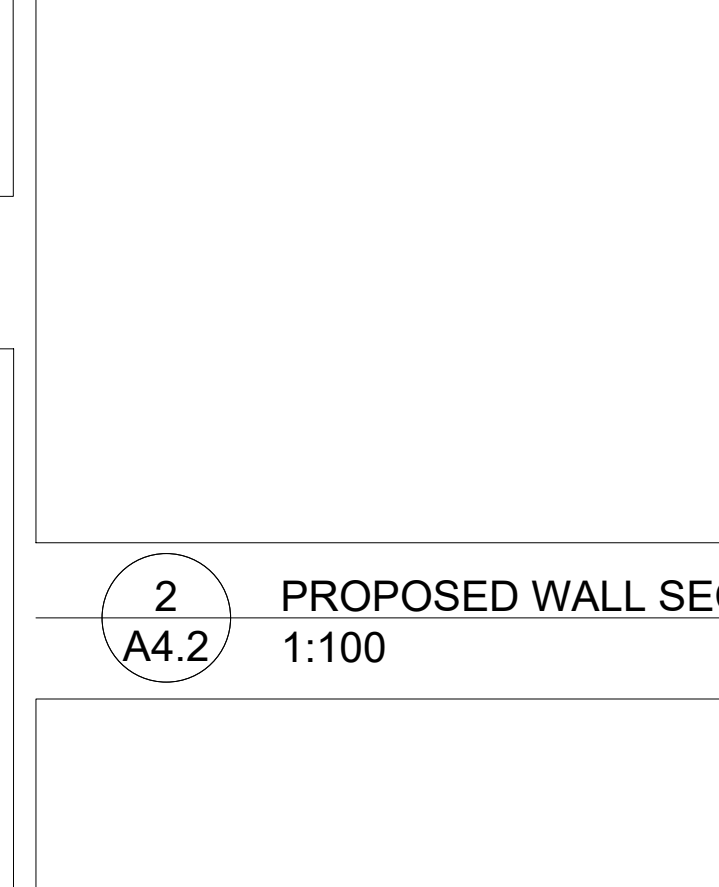
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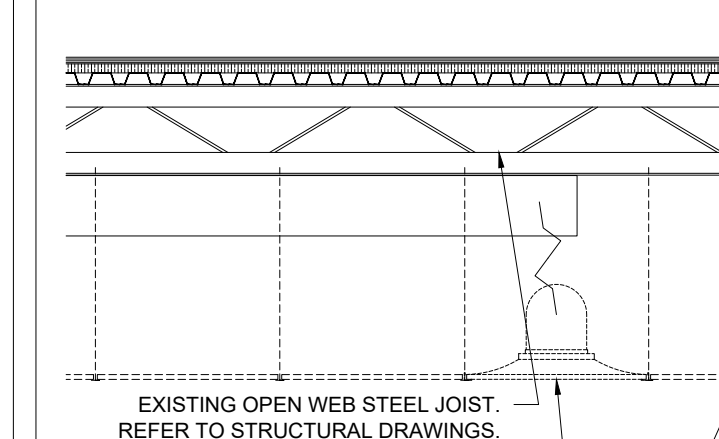
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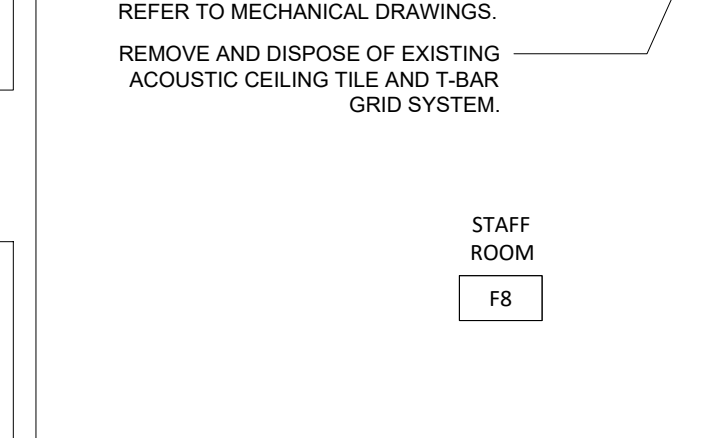
AM. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



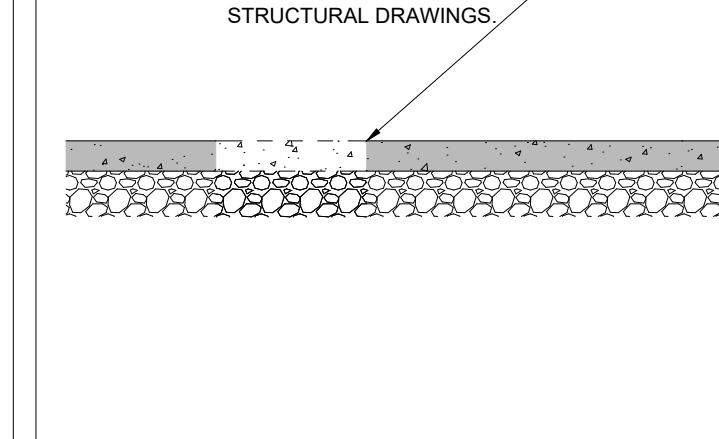
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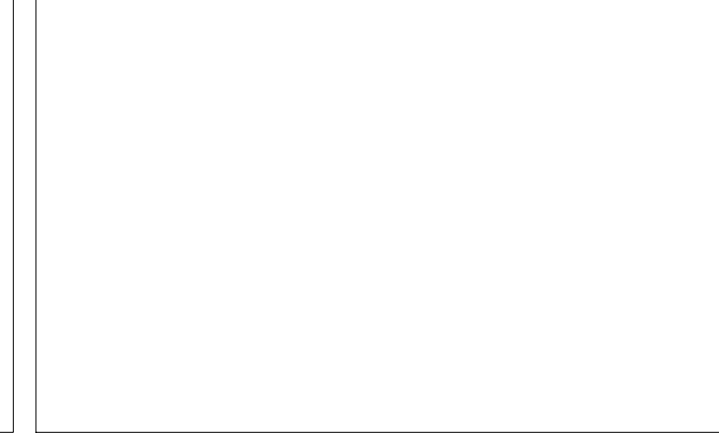
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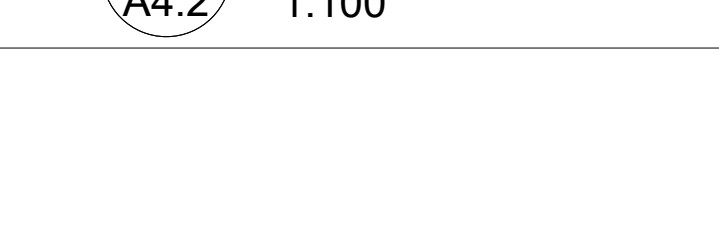
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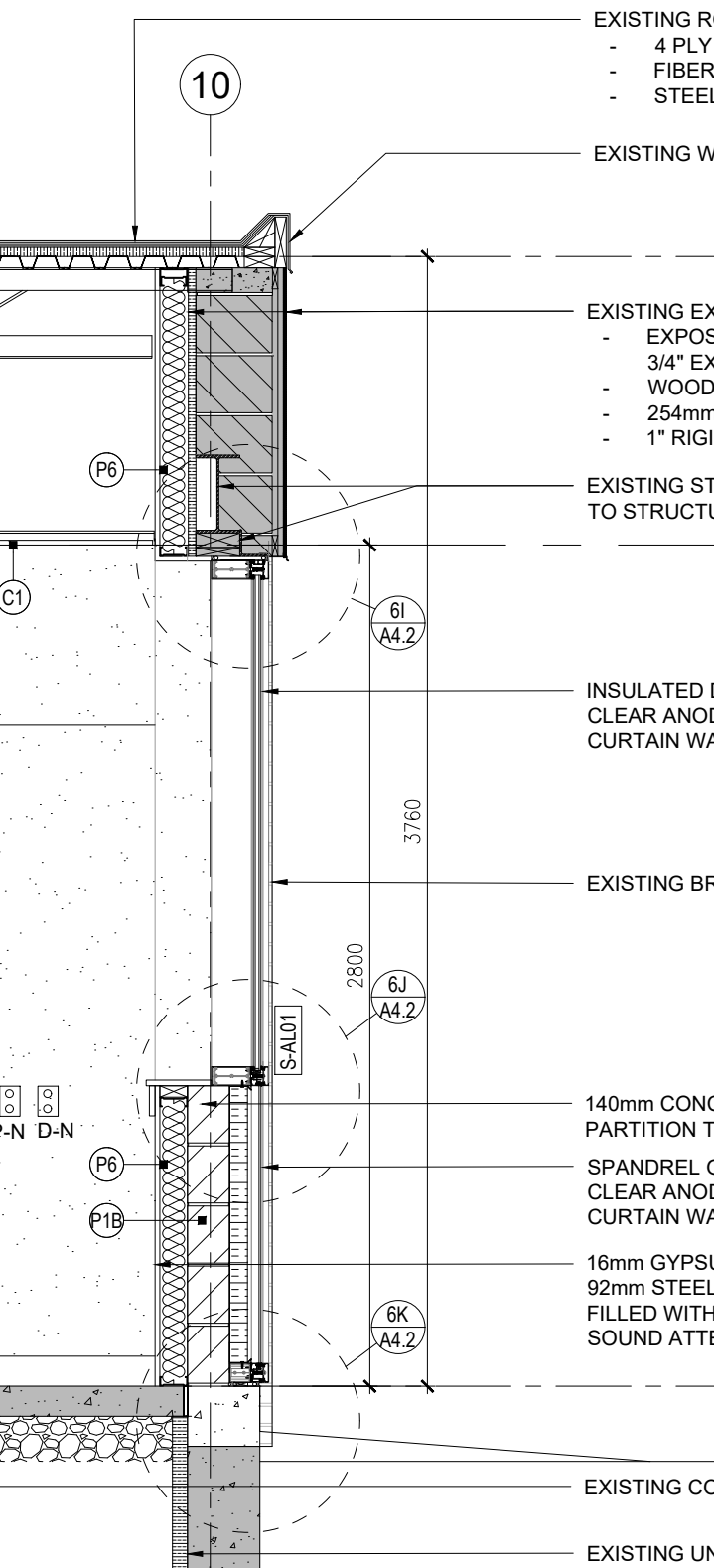
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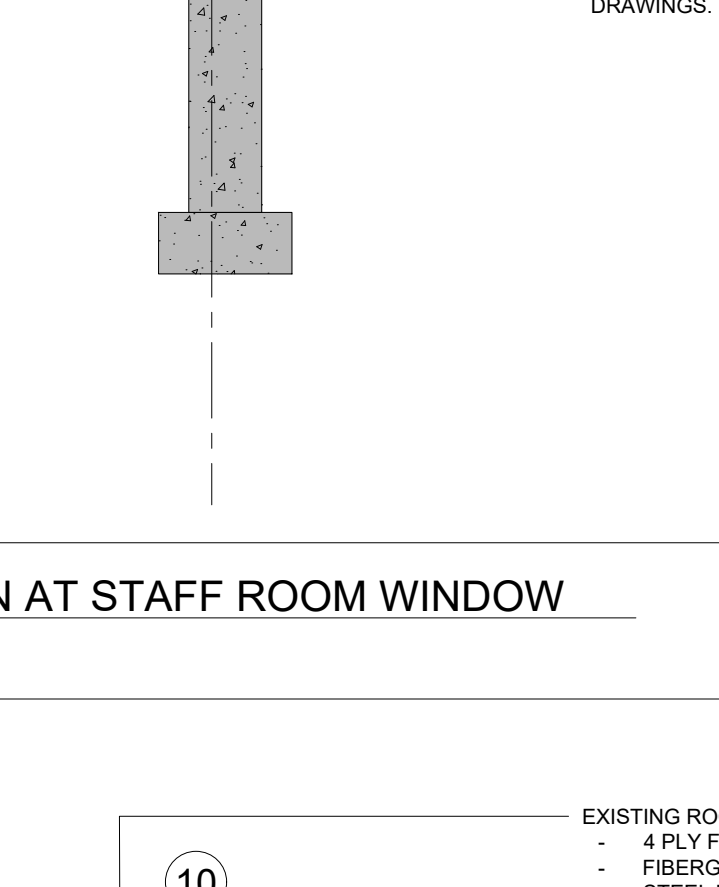
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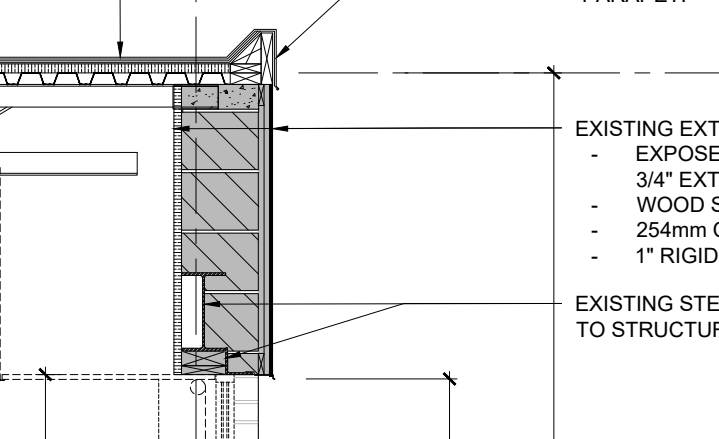
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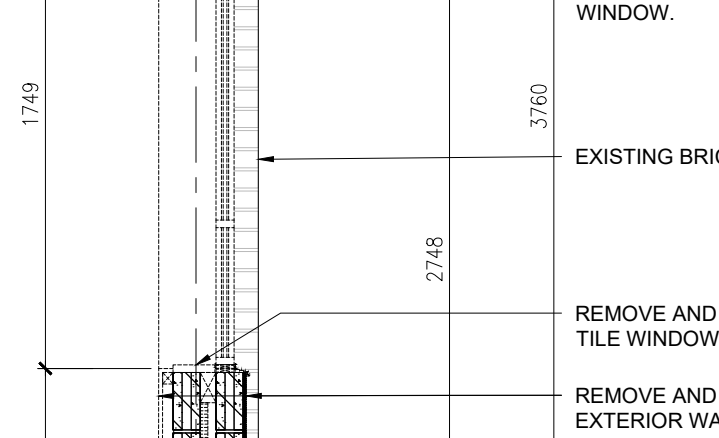
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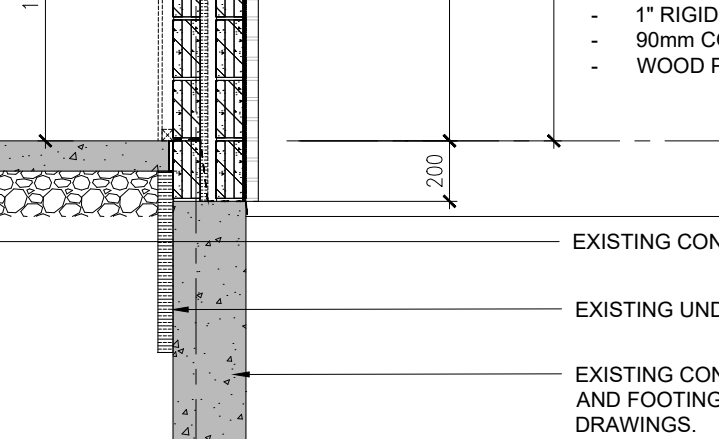
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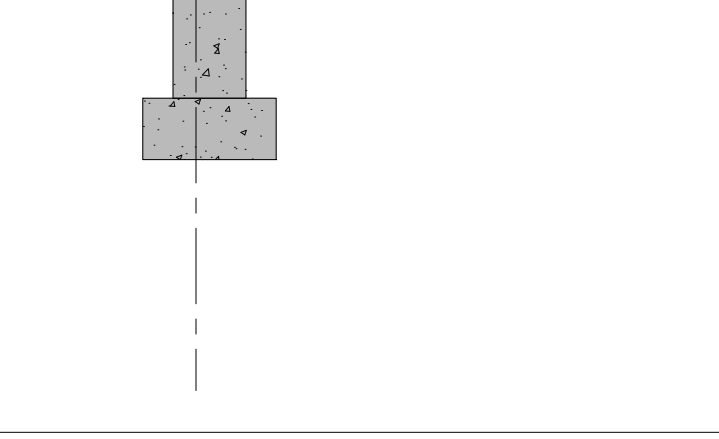
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AW. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



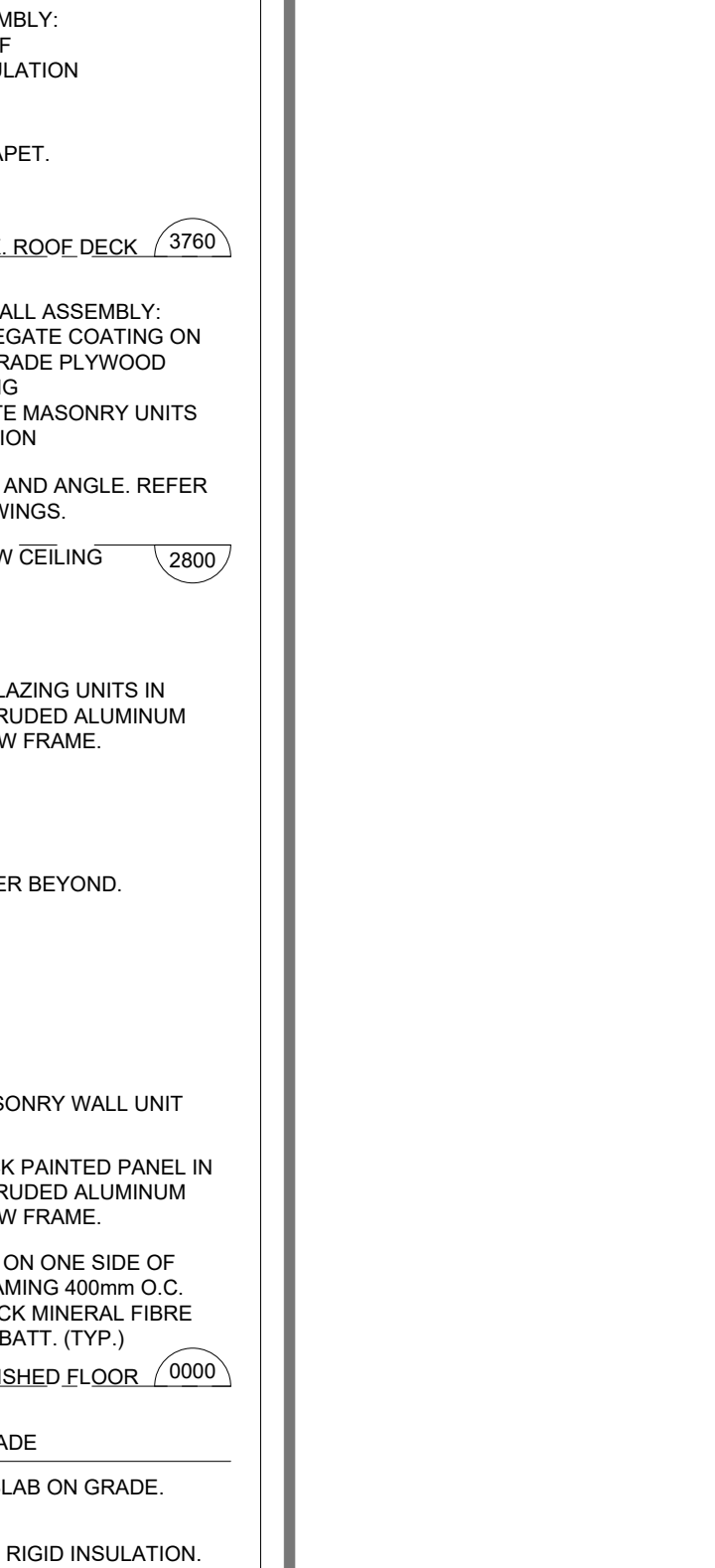
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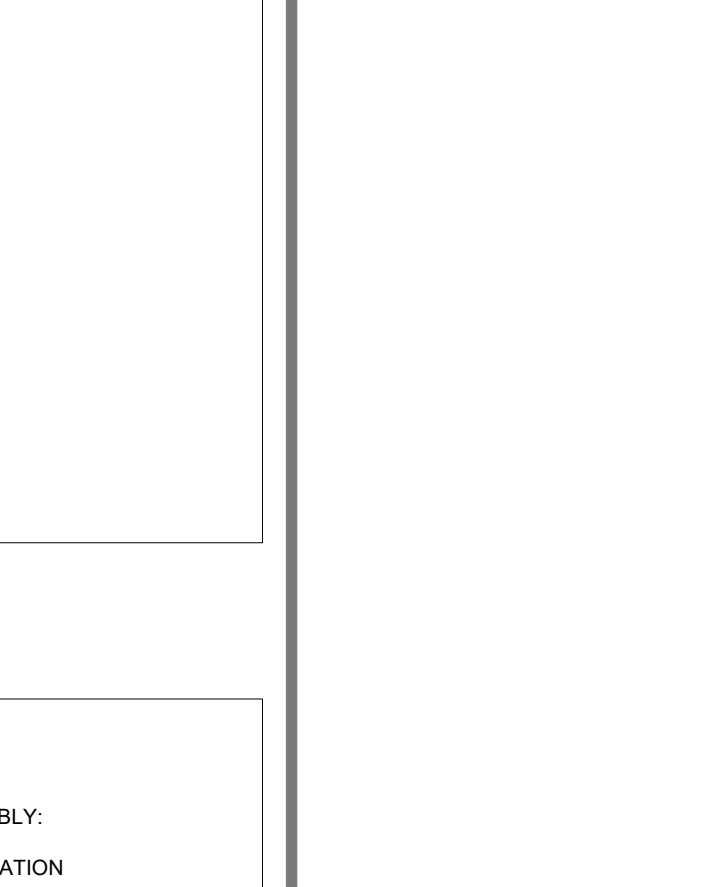
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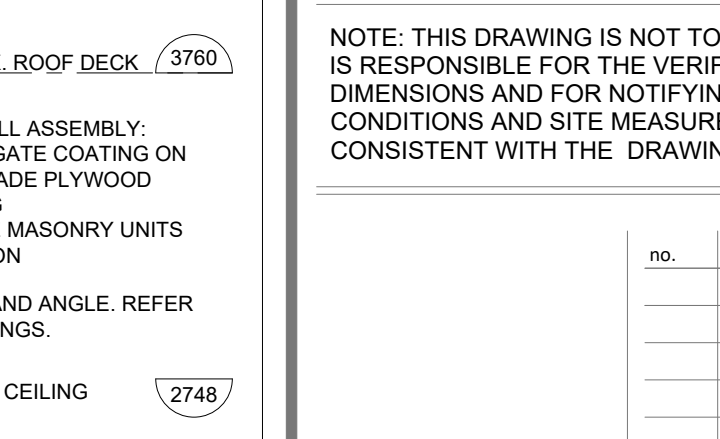
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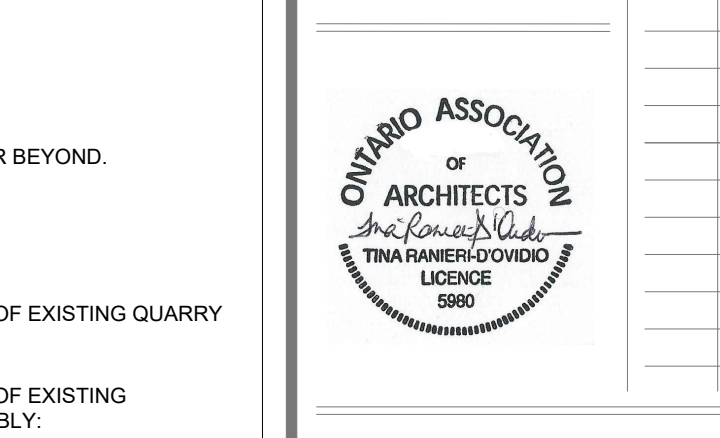
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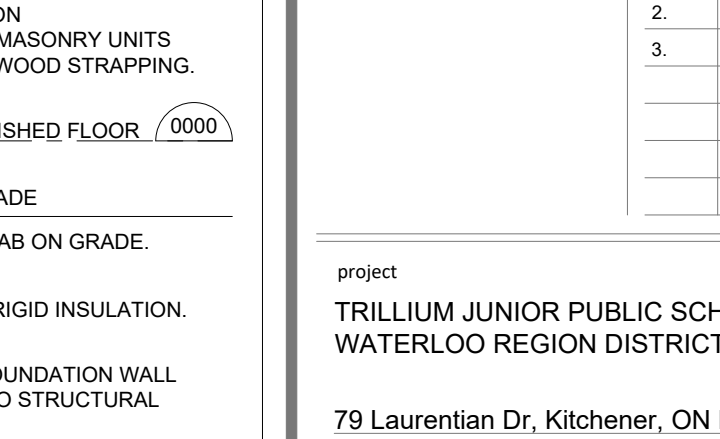
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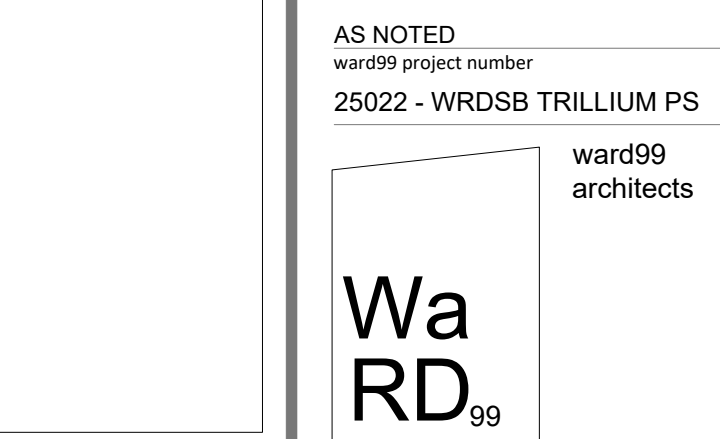
BC. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



BD. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



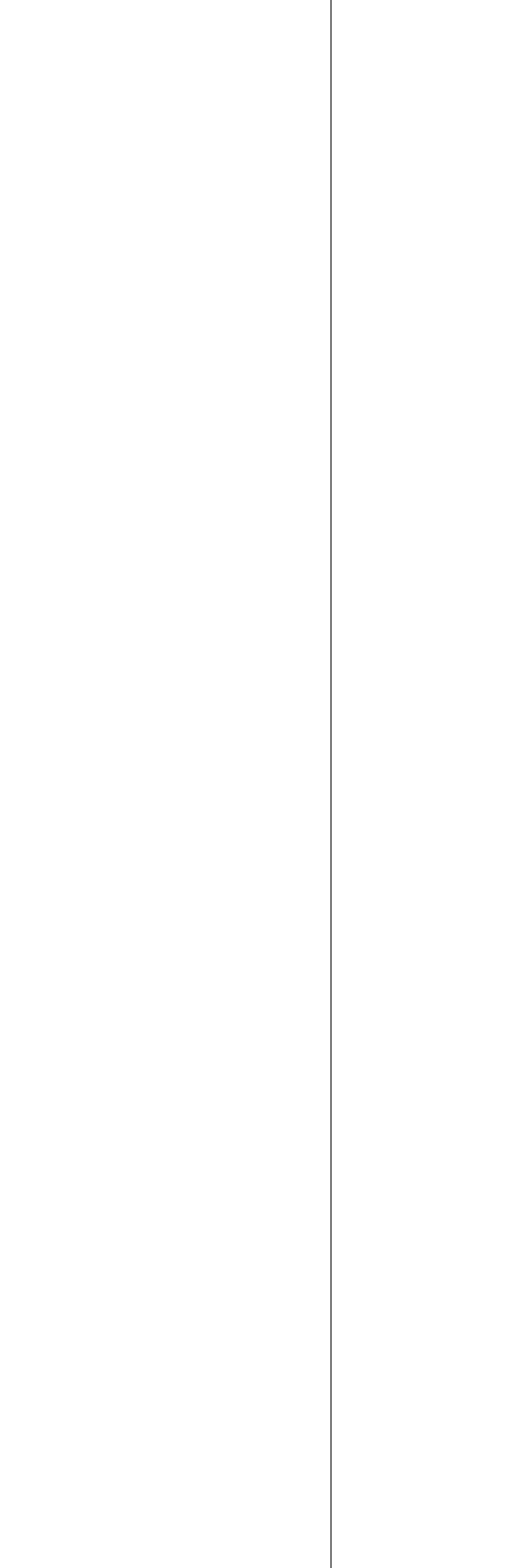
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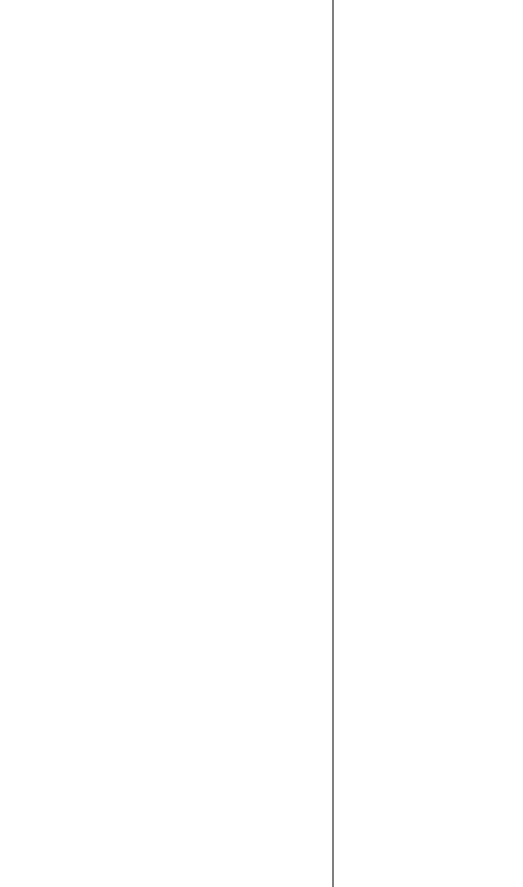
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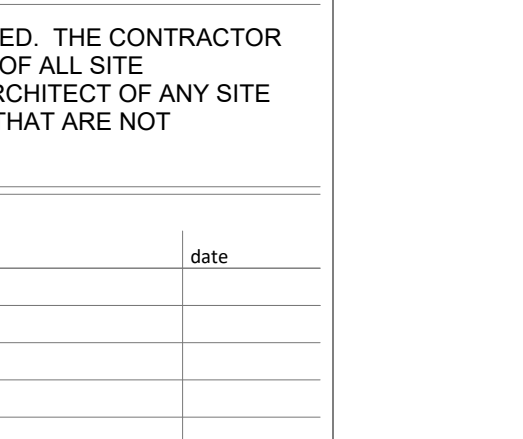
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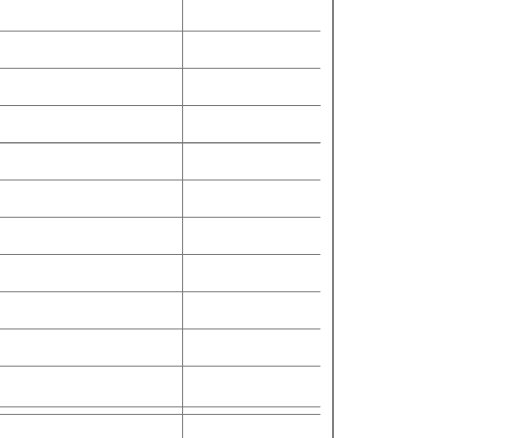
BH. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



BI. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



BJ. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION



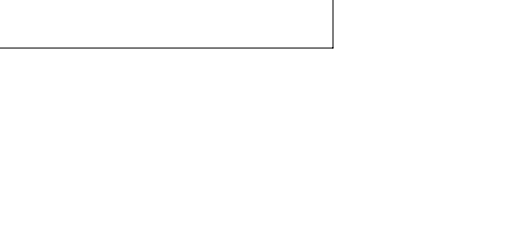
BK. SPANDREL PANEL HORIZONTAL INTERMEDIATE MULLION



BL. SPANDREL PANEL VERTICAL INTERMEDIATE MULLION

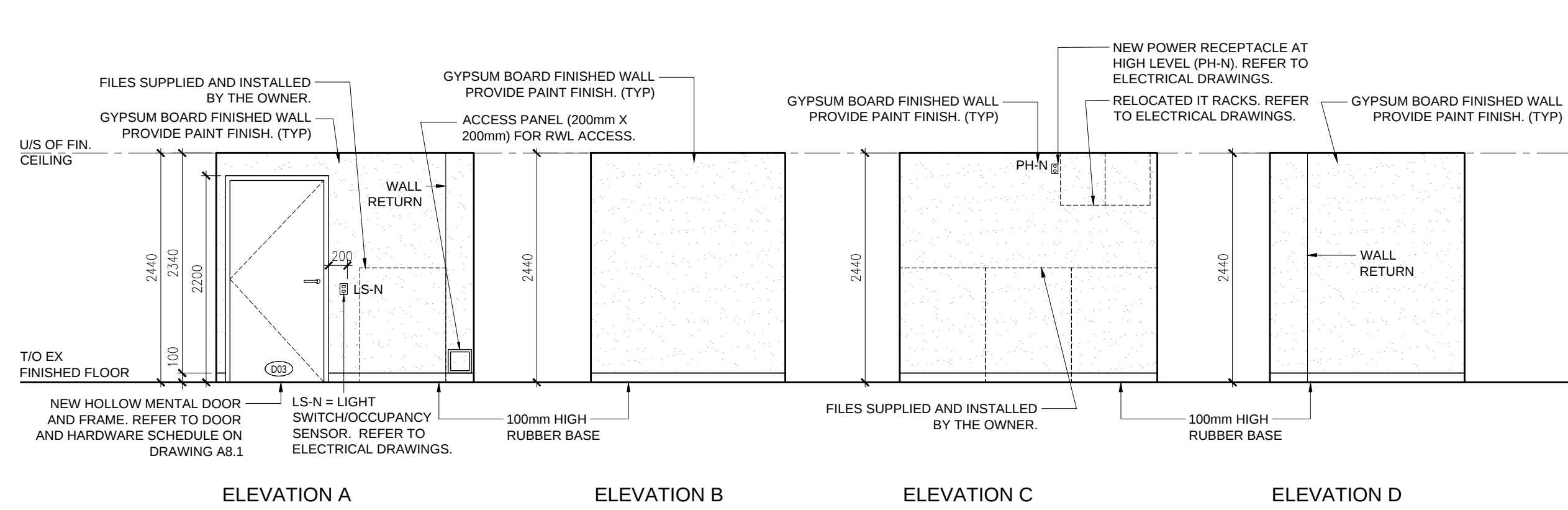


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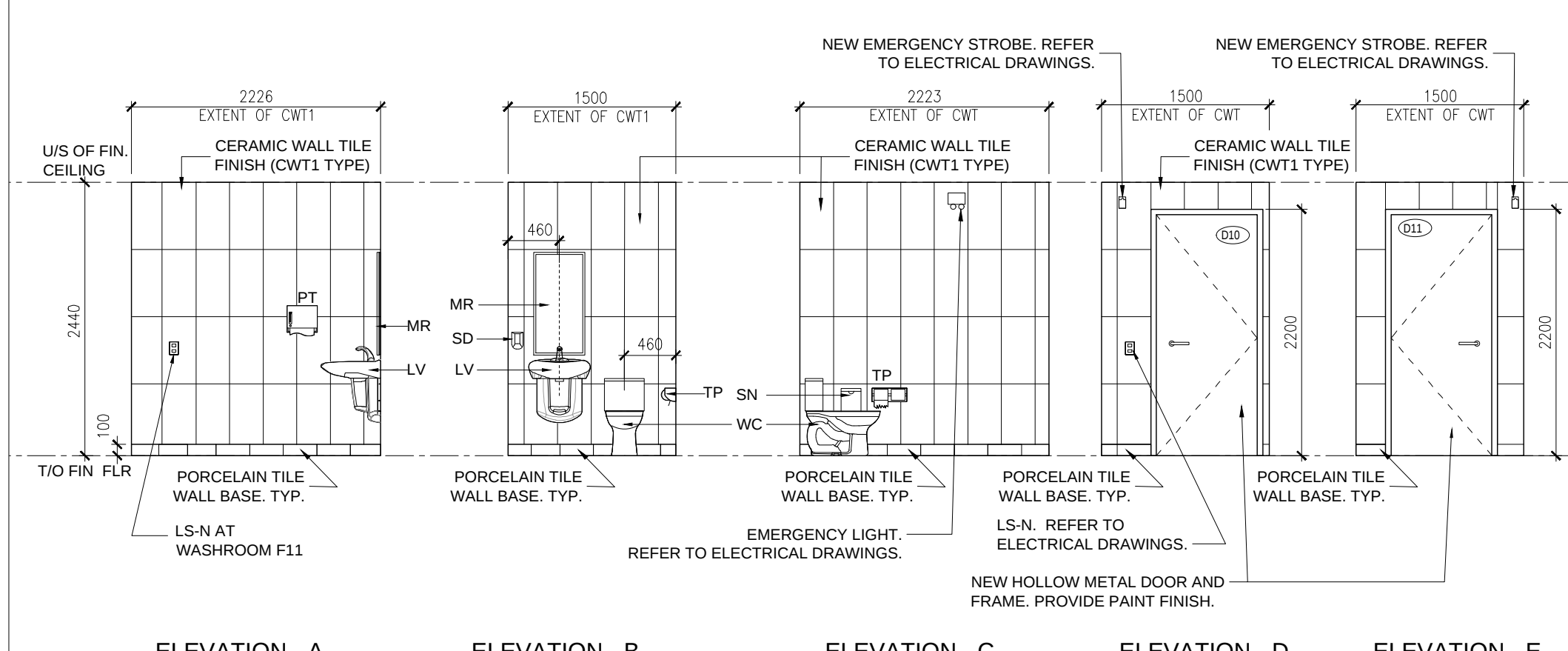
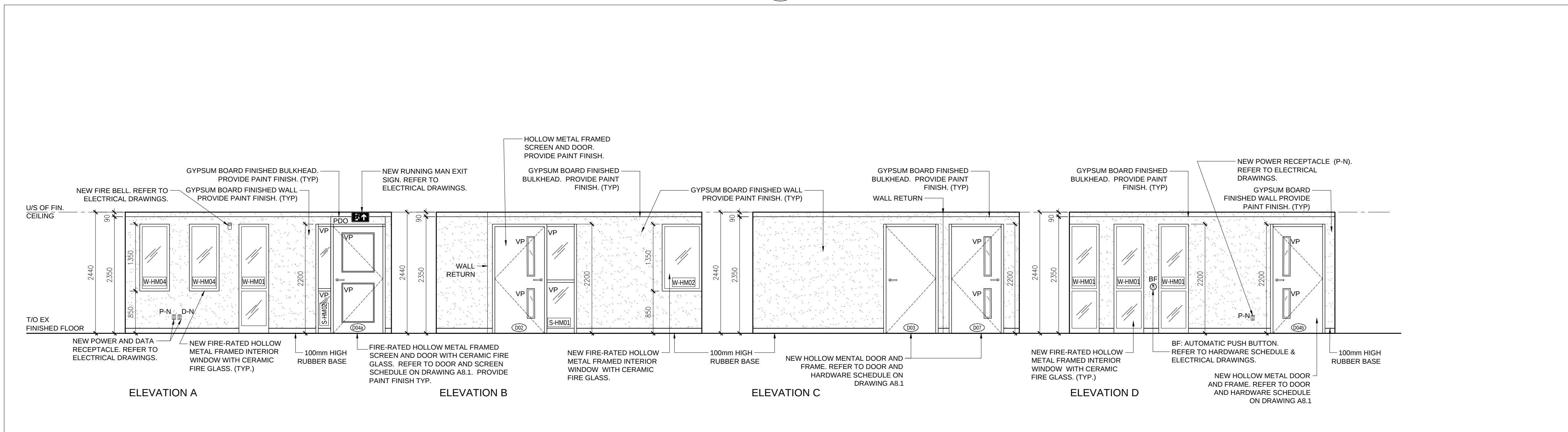




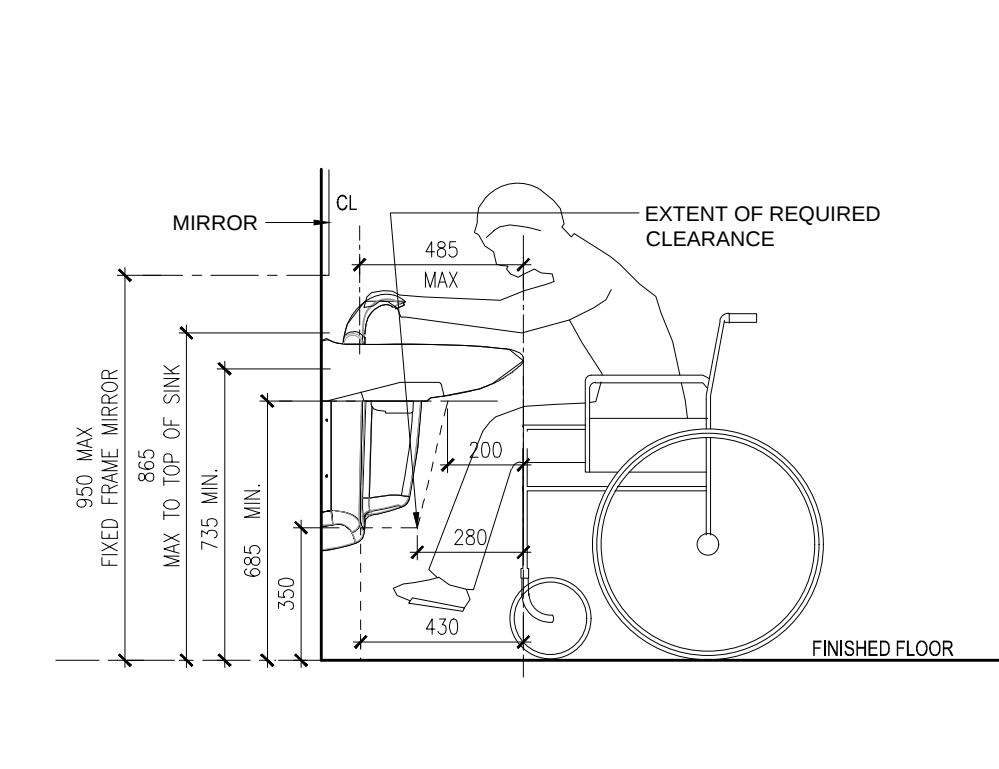
A5.2



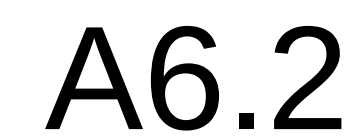
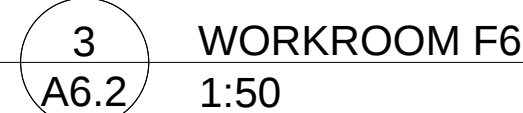
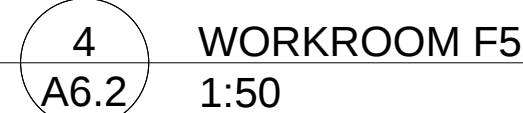
8 INTERIOR ELEVATION AT OSR ROOM F3
A6.1 1:50



4 INTERIOR ELEVATION AT STAFF WASHROOM F10/F11
A6.1 1:50



1	BARRIER-FREE WATER CLOSET	
A6.1	REQUIREMENTS	1:20





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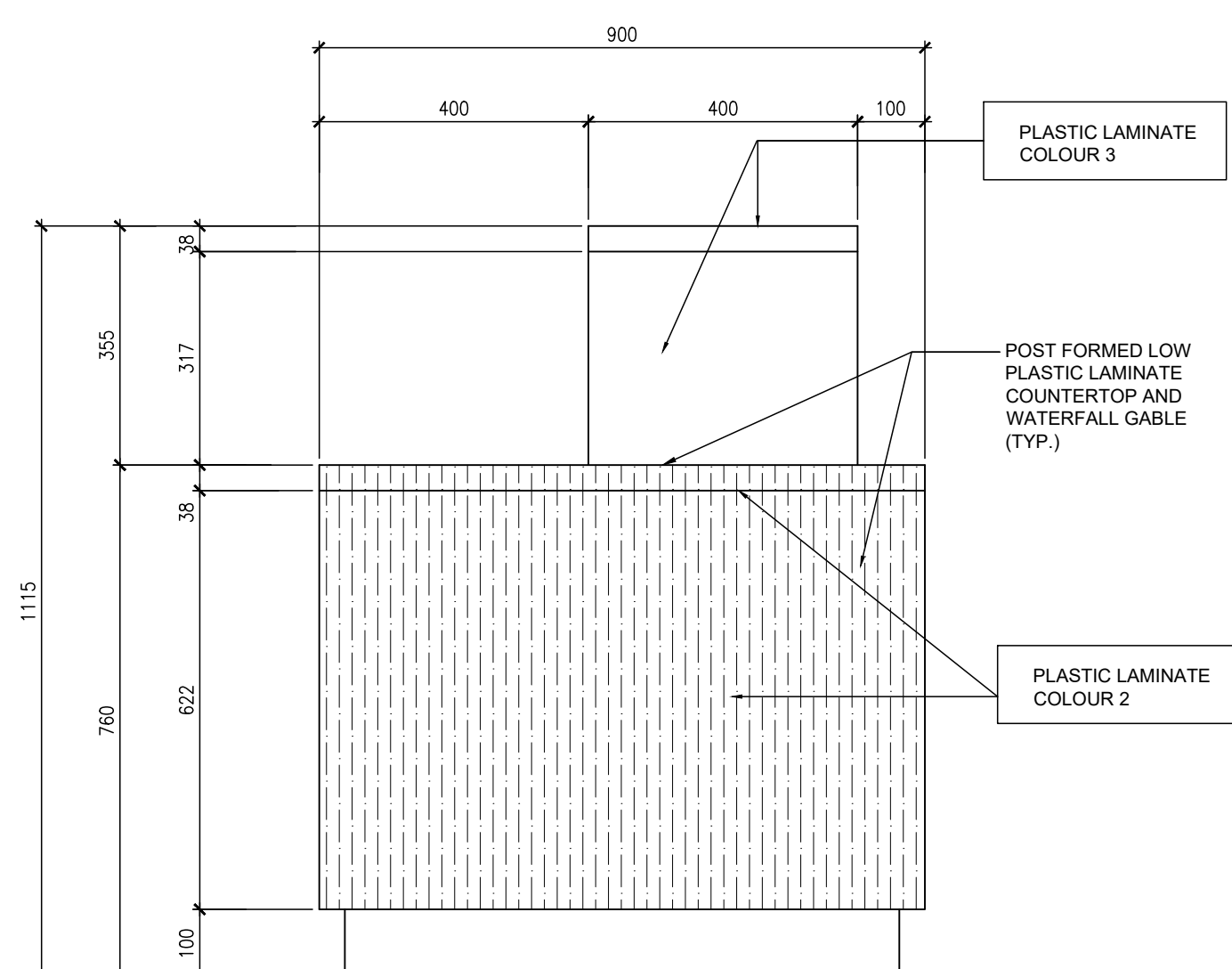
ward99 architects inc.
7611 Pine Valley Dr. Unit 11,
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A7.1



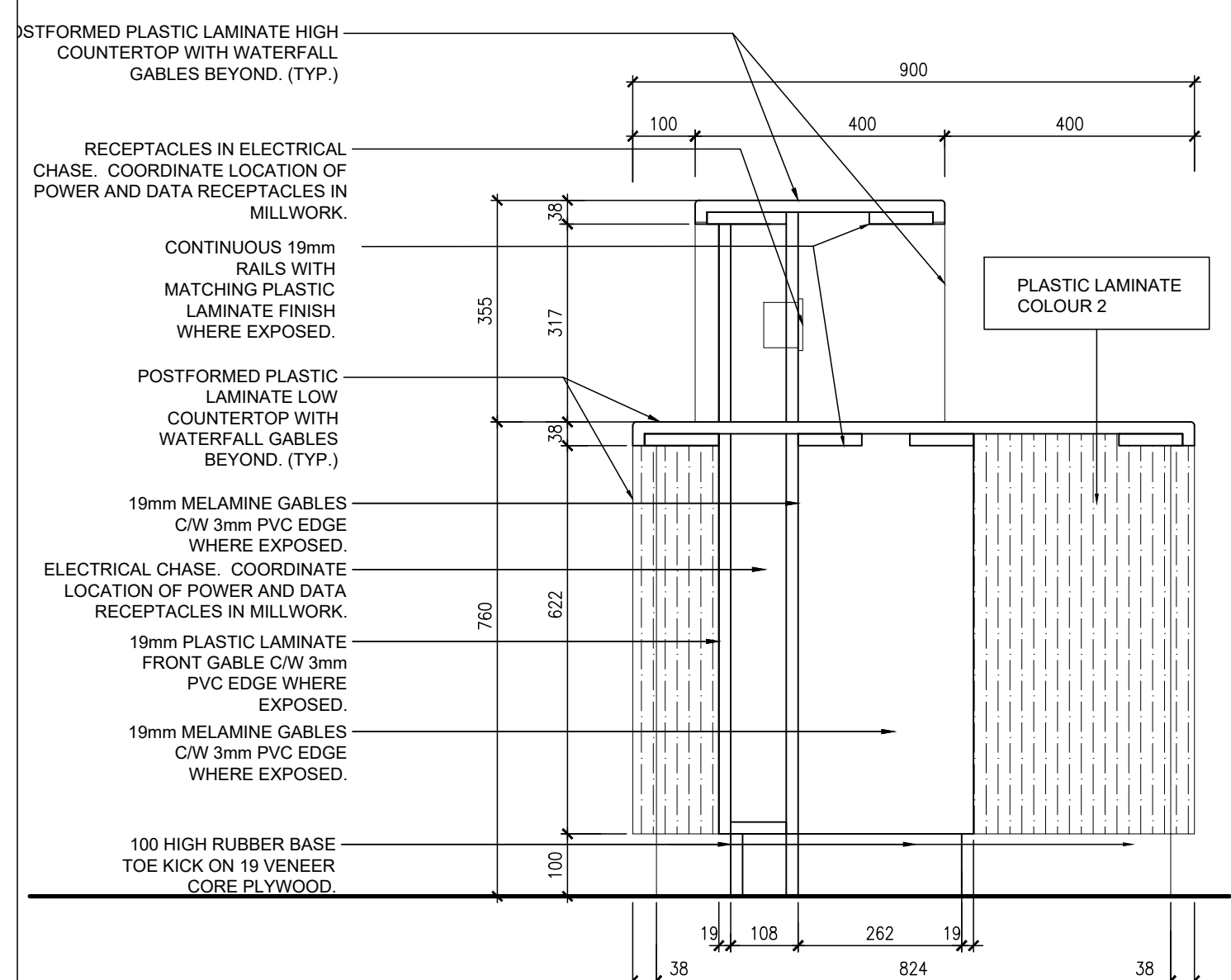
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A7.2



TYPICAL SIDE ELEVATION

6 RECEPTION DESK MILLWORK TYPICAL SIDE ELEVATION - MLK5
A7.3 1:10



2 RECEPTION DESK MILLWORK SECTION THROUGH WORK DESK
A7.3 1:10



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A7.3



A7.4



A7.4



A7.4

[illegible]

no.	issue	date
1.	Issued for Owner Review	Nov. 19, 2025
2.	Issued for Schematic Design Report	Dec. 01, 2025
3.	Issued for Permit and Tender	April 17, 2026

79 Laurentian Dr, Kitchener, ON N2E 1C3

AS NOTED

ward99 | drawing no.

[illegible]

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A7.4

ROOM FINISH SCHEDULE																			
No.	NAME	FLOOR		BASE		WALLS						CEILING		REMARKS					
		MAT.	FIN.	MAT.		NORTH		EAST		SOUTH		WEST			MAT.	FIN.	HEIGHT		
						MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.						
F1	FOYER	EX CONC	EX TERR	EX POR	GB/CMU/ EX CMU	CWT/ PNT		GB	PNT	EX CMU	-	GB/ EX CMU	CWT/ -	ACT-N/ GBD-N	- PNT/ CWT	2413/ 2350	PROVIDE PAINT FINISH ON HOLLOW METAL DOORS AND FRAMES. PROVIDE NEW CERAMIC WALL TILE FINISH AT NEW GYPSUM BOARD FINISHED PARTITION WALL AND PAINT FINISH AT NEW GYPSUM BOARD FINISHED BULKHEAD. REFER TO INTERIOR ELEVATIONS ON DRAWING 5/A6.2 AND PROPOSED REFLECTED CEILING PLANS 4/A2.1 FOR SIZE AND SHAPE OF NEW GYPSUM BOARD BULKHEAD. PROVIDE NEW PORCELAIN WALL BASE AT FULL EXTENT OF NEW PARTITIONS AND AT NORTH CORRIDOR WALLS.		
F2	PRINCIPAL'S OFFICE	EX CONC		RFL	RB 100	GB	PNT	EX CMU	PNT	EX CMU/ GB		PNT	GB	PNT	ACT-N	-	2800	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 5/A6.1.	
F3	OSR	EX CONC/ CONC		RFL	RB 100	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ACT-N	-	2440	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 5/A6.1.
F4	MAIN OFFICE	EX CONC/ CONC		RFL	RB 100	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ACT-N/ GBD-N	- PNT	2440/ 2350	PROVIDE RESILIENT SHEET FLOORING FINISHES. PROVIDE PAINT FINISH AT ALL WALLS, GYPSUM BOARD FINISHED BULKHEAD AND CEILING, HOLLOW METAL DOOR AND FRAME. REFER TO INTERIOR ELEVATIONS ON DRAWING 6/A6.1.
F5	WORKROOM	EX CONC/ CONC		RFL	RB 100	GB	PNT	GB	PNT	GB	PNT	EX CMU/ CMU	PNT	ACT-N	-	2440	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 4/A6.2.		
F6	WORKROOM	EX CONC/ CONC		RFL	RB 100	EX CMU	PNT	GB	PNT	GB	PNT	EX CMU/ CMU	PNT	ACT-N	-	2800	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 3/A6.2.		
F7	SEMINAR ROOM	EX CONC/ CONC		RFL	RB 100	GB	PNT	EX CMU	PNT	GB	PNT	GB	PNT	GB	PNT	ACT-N	-	2800	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 2/A6.2.
F8	STAFF LOUNGE	EX CONC/ CONC		RFL	RB 100	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ACT-N/ GBD-N	- PNT	2800/ 2200	PROVIDE RESILIENT SHEET FLOORING AND RUBBER WALL BASE. PROVIDE PAINT FINISH AT ALL WALLS AND HOLLOW METAL DOORS AND FRAMES. REFER TO INTERIOR ELEVATIONS ON DRAWING 1/A6.2.
F9	BARRIER FREE WASHROOM	EX CONC/ CONC		POR	POR	GB	CWT	GB	CWT	EX CMU/ CMU		CWT	GB	CWT	ACT-N	-	2440	PROVIDE PORCELAIN FLOOR TILE AND BASE. PROVIDE PAINT FINISH AT HOLLOW METAL DOOR AND FRAMES. PROVIDE CERAMIC WALL TILE AT ALL WALLS. REFER TO INTERIOR ELEVATIONS ON DRAWING 5/A6.1 FOR LAYOUT OF CWT.	
F10	WASHROOM	EX CONC/ CONC		POR	POR	GB	CWT	CMU	CWT	GB	CWT	GB	CWT	GB	CWT	ACT-N	-	2440	PROVIDE PORCELAIN FLOOR TILE AND BASE. PROVIDE PAINT FINISH AT HOLLOW METAL DOOR AND FRAME. PROVIDE CERAMIC WALL TILE AT ALL WALLS. REFER TO INTERIOR ELEVATIONS ON DRAWING 4/A6.1 FOR LAYOUT OF CWT.
F11	WASHROOM	EX CONC/ CONC		POR	POR	GB	CWT	CMU/ EX CMU	CWT	GB	CWT	GB	CWT	GB	CWT	ACT-N	-	2440	PROVIDE PORCELAIN FLOOR TILE AND BASE. PROVIDE PAINT FINISH AT HOLLOW METAL DOOR AND FRAME. PROVIDE CERAMIC WALL TILE AT ALL WALLS. REFER TO INTERIOR ELEVATIONS ON DRAWING 4/A6.1 FOR LOCATION OF TILES.
F16	LIBRARY	EX CONC	EX RFL	EX RB/ RB 100	EX CMU	-	EX CMU/ GB	- PNT	EX CMU/ CMU/ GB	PNT	-	-	EX ACT	-	-	2700	REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING TILE ASSEMBLY AS REQUIRED TO COMPLETE THE WORK. REMOVE EXISTING RUBBER WALL BASE AS REQUIRED TO COMPLETE THE WORK ON THE NORTH AND EAST WALLS. INSTALL NEW RUBBER WALL RB 100 TO MATCH EXISTING WALL BASE. INSTALL NEW RUBBER WALL BASE AT BASE OF RELOCATED MILLWORK SHELVING UNITS. AT NEW PARTITIONS AND AT EXISTING NEW WALL TO CORRIDOR.		

GENERAL ROOM FINISHES NOTES

ACT-AN = NEW ACOUSTIC CEILING TILE AND T-BAR GRID SYSTEM.
EX ACT= EXISTING ACOUSTIC CEILING TILE AND T-BAR GRID SYSTEM TO REMAIN.
CWT = NEW CERAMIC WALL TILE. REFER TO INTERIOR ELEVATIONS FOR EXTENT OF WALL TILE SIZE, TYPE AND LAYOUT.
CG = NEW CORNER GROUT ADHERED TO GYPSUM BOARD PARTITION CORNER .
PN = PAINT FINISH
PFR = NEW PORCELAIN FLOOR AND TILE AND BASE TILE.
EX POR = EXISTING PORCELAIN FLOOR TILE TO REMAIN.
RFL = NEW RESILIENT FLOORING TILE.
EX RFL = EXISTING RESILIENT SHEET FLOORING TO REMAIN.
RB100 = NEW 100mm HIGH RUBBER WALL BASE.
EX RB = EXISTING 100mm HIGH RUBBER WALL BASE TO REMAIN.
GB = NEW GYPSUM BOARD FINISHED WALL.
CMU = NEW CONCRETE MASONRY WALL.
EX CMU = EXISTING CONCRETE MASONRY WALL.
EX GBD = EXISTING GYPSUM BOARD FINISH CEILING ASSEMBLY.
GBD= NEW GYPSUM BOARD FINISHED CEILING ASSEMBLY.
EX CONC = EXISTING CONCRETE SLAB-ON-GRADE FLOOR TO REMAIN.
CONC-N = NEW CONCRETE SLAB-ON-GRADE FLOOR.
EX TERR = EXISTING TERRAZZO FLOORING TO REMAIN.
RCP = REFER TO REFLECTED CEILING PLAN ON A2.1.

	POR - PORCELAIN FLOOR TILE COLOUR: FIELD COLOUR - REFER TO SPECIFICATIONS. SIZE: 300mm x 300mm INSTALLMENT: GRID TO GRID LAYOUT.	CWT	LINE TYPE INDICATES LOCATION OF CERAMIC WALL TILE (CWT). NOTE: REFER TO INTERIOR ELEVATIONS AND SPECIFICATIONS FOR TYPE, SIZE AND INSTALLATION PATTERN.
	RFL - RESILIENT SHEET TILE SIZE: REFER TO SPECIFICATIONS. COLOUR: REFER TO SPECIFICATIONS.		



ONTARIO ASSOCIATION
OF
ARCHITECTS
Tina Ranieri-Ovidio
TINA RANIERI-OVIDIO
LICENCE
5900

project

**TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD**

79 Laurentian Dr, Kitchener, ON N2E 1C3

drawing

**FLOOR & HARDWARE SCHEDULE, DOOR, FRAME, SCHEDULE & WINDOW
ELEVATION TYPE AND DOOR DETAILS**

#series

ward99
architects[illegible]

Wa

PD

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A8.1

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

EXISTING 1HR FIRE RATED CONCRETE MASONRY INTERIOR PARTITION WALL.

49

60

40

149

50

10

140

VISION PANEL TO CERAMIC FIRE GLASS (FG). REFER TO DOOR SCHEDULE ON DRAWING AS.1.

MASONRY ANCHOR STRAPS TO EXISTING MASONRY PARTITION. CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

Technical drawing of a fire-rated door assembly showing cross-sections and dimensions. The drawing includes the following labels and dimensions:

- Labels:**
 - FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.
 - FIRE-RATED GYPSUM BOARD WALL ASSEMBLY. REFER TO CONSTRUCTION.
 - VISION PANEL TO CERAMIC FIRE GLASS (CFG). REFER TO DOOR SCHEDULE ON DRAWING A6.1.
 - PROVIDE DOUBLE STUDS TYP.
 - CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP)
- Dimensions:**
 - Vertical dimensions on the left: 149, 40, 60, 40.
 - Horizontal dimensions at the top: 13, 50.
 - Horizontal dimensions at the bottom: 13, 50.
 - Vertical dimension on the right: 124.

1'-4 1/2"

40"

13"

50"

VISION PANEL TO CERAMIC FIRE GLASS (CFG). REFER TO DOOR SCHEDULE ON DRAWING A6.1.

FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

PROVIDE WOOD BLOCK REQUIRED AS PER MANUFACTURER RECOMMENDATIONS.

FIRE-RATED GYPSUM WALL ASSEMBLY. REFER CONSTRUCTION.

(PT)

Technical drawing of a door assembly showing dimensions and material specifications. The drawing includes a cross-section of the door frame and a side view of the door panel. Dimensions are provided in millimeters (mm).

Dimensions:

- Overall height: 149 mm
- Overall width: 149 mm
- Top frame thickness: 49 mm
- Bottom frame thickness: 49 mm
- Side frame thickness: 49 mm
- Door panel thickness: 49 mm
- Door panel width: 50 mm
- Door panel height: 50 mm
- Door panel depth: 49 mm

Material Specifications:

- FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.** (Indicated by a callout pointing to the top frame section)
- VISION PANEL TO CERAMIC FIRE GLASS (CFG), REFER TO DOOR SCHEDULE ON DRAWING A8.1** (Indicated by a callout pointing to the door panel)
- FIRE RATED HOLLOW METAL DOOR, REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.** (Indicated by a callout pointing to the door panel)

Diagram illustrating the cross-section of a fire-rated door assembly. The diagram shows the door leaf, frame, and surrounding wall construction.

Labels and Dimensions:

- Labels:**
 - FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.
 - CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
 - PROVIDE DOUBLE STUDS TYP.
 - FIRE-RATED GYPSUM BOARD WALL ASSEMBLY REFER TO CONSTRUCTION.
- Dimensions:**
 - Overall height: 149
 - Top section height: 40
 - Middle section height: 60
 - Bottom section height: 49
 - Door leaf thickness: 1 1/2
 - Frame thickness: 50
 - Overall width: 174
 - Internal cavity width: 16
 - Internal cavity height: 50
 - Internal cavity depth: 17

Notes:

- FIRE-RATED HOLLOW METAL. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.
- FIRE-RATED GYPSUM BOARD WALL ASSEMBLY REFER TO CONSTRUCTION.

B. FIRE-RATED WINDOW SILL

VISION PANEL TO CERAMIC FIRE GLASS (CFG), REFER TO DOOR SCHEDULE ON DRAWING AB.1

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

MASONRY ANCHOR CLIP

1HR FIRE RATED CONCRETE MASONRY UNIT, FILL CORES

D. FIRE-RATED SCREEN WINDOW HEAD

124

18

50

18

(P)

FIRE-RATED GYPSUM BOARD WALL ASSEMBLY, REFER TO CONSTRUCTION.

PROVIDE DOUBLE STUDS TYP.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.

VISION PANEL, TO CERAMIC FIRE GLASS (CFG), REFER TO DOOR SCHEDULE ON DRAWING A8.1.

F. FIRE-RATED DOOR HEAD WITH PDO

- FIRE-RATED GYPSUM BOARD WALL ASSEMBLY. REFER TO CONSTRUCTION.
- PROVIDE DOUBLE STUDS TYP.
- CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
- FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.
- FIRE RATED HOLLOW METAL DOOR REFER TO DOOR SCHEDULE ON DRAWING 48

The diagram shows a vertical section of a door head assembly. At the top, a horizontal dimension of 24 is shown across the width of the frame. The frame itself has a height of 50 and a width of 10 at its base. A double stud is indicated by a circle containing the number 97. A continuous sealant and back rod are shown on both sides of the frame. The door is labeled as fire-rated hollow metal and refers to the door schedule on drawing 48. The wall assembly is made of fire-rated gypsum board.

Diagram illustrating the fire-rated hollow metal door assembly. The door is shown in a cross-section view, highlighting the fire-rated hollow metal door and the fire-rated hollow metal frame. The door is labeled "FIRE RATED HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR." The frame is labeled "FLOOR ANCHOR CLIP BEYOND AT BOTH JAMBS." The diagram shows the door is set into the frame, with the floor anchor clip visible at the bottom jamb. Dimensions are provided for the door and frame: 40, 60, and 49 for the door width, and 145 for the frame width.

Diagram illustrating the cross-section of a door threshold assembly. The diagram shows the following components and dimensions:

- Dimensions:**
 - Top horizontal dimensions: 49, 60, 40
 - Right vertical dimension: 100
- Components and Labels:**
 - DOOR PANEL TO BE CERAMIC FLOOR GLASS (CFG):** Points to the glass panel above the threshold.
 - REFER TO DOOR SCHEDULE IN DRAWING A8.1:** Points to the glass panel.
 - FLOOR ANCHOR CLIP BEYOND AT BOTH JAMBS:** Points to the clip on the left jamb.
 - FIRE RATED HOLLOW METAL SILL SECURED TO FLOOR ASSEMBLY WITH FLOOR ANCHOR CLIP:** Points to the metal sill on the right.
 - SILL SOLID WITH MORTAR:** Points to the base of the sill.
 - FINISHED FLOOR:** Points to the floor surface on the left.

K. FIRE-RATED DOOR HEAD

1HR FIRE RATED CONCRETE MASS INTERIOR PARTITION WALL. REFER CONSTRUCTION ASSEMBLY.

STEEL BEAM UNTIL REFER TO STRUCTURAL DRAWINGS.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

FIRE-RATED DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

Dimensions: 189, 135, 224, 40, 49, 50, 17, 0.

Callouts: P1, 0, 50, 17, 0, 40, 135, 224, 49.

L FIRE-RATED DOOR HEAD WITH PDO

- 1HR FIRE RATED CONCRETE MASONRY INTERIOR PARTITION WALL. REFER TO CONSTRUCTION ASSEMBLY.
- STEEL BEAM LINTEL REFER TO STRUCTURAL DRAWINGS.
- SURFACE MOUNTED AUTOMATIC POWER DOOR OPERATOR SECURED ABOVE DOOR HEADER LOCATION. REFER TO ELECTRICAL DRAWINGS.
- CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
- FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR
- FIRE RATED DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

The diagram shows a vertical section through a wall and floor assembly. The wall above the floor consists of concrete masonry over steel reinforcement bars. Below the floor slab, there's a structural steel beam lintel supporting a hollow metal frame filled with mortar. This frame holds a fire-rated door at its top edge. An automatic power door operator is mounted on the side of the door header. Continuous sealant and back rods are shown along both sides of the door threshold where it meets the floor. Dimensions include a total height of 7'0" from the bottom finish to the top of the partition wall, and horizontal dimensions of 40, 135, and 49 units below the door opening.

M. FIRE-RATED SCREEN HEAD

1-HR FIRE RATED CONCRETE MASONRY INTERIOR PARTITION WALL. REFER TO CONSTRUCTION ASSEMBLY.

STEEL BEAM LINTEL REFER TO STRUCTURAL DRAWINGS.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

VISION PANEL TO CERAMIC FIRE GLASS (CFG) REFER TO DOOR SCHEDULE ON DRAWING A8.1.

Dimensions: 189, 10, 50, 19, 40, 135, 49, 224.

Callouts: (17A)

40

135

224

49

METAL FRAME FILLED WITH MORTAR.

MASONRY INTERIOR PARTITION WALL REFER TO CONSTRUCTION ASSEMBLY.

VISION PANEL TO CERAMIC FIRE GLASS (CFG), REFER TO DOOR SCHEDULE ON DRAWING AS.1.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

MASONRY ANCHOR CLIP.

P19

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

40

135

274

49

1HR FIRE RATED CONCRETE MASONRY INTERIOR PARTITION WALL. REFER TO CONSTRUCTION ASSEMBLY.

PTW

FIRE RATED HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

CONTINUOUS SEAL/INT AND BACK RCG ON BOTH SIDES (TYP.)

MASONRY ANCHOR CLIP.

EXISTING 1HR FIRE RATED CONCRETE MASONRY INTERIOR PARTITION WALL.

Technical drawing of a fire-rated door assembly. The drawing shows a cross-section of the door with various layers and materials. The total height of the door is 274. The top and bottom sections are 40 units high. The middle section is 135 units high. The door is composed of several layers: a fire-rated hollow metal frame filled with mortar (top and bottom), a fire-rated hollow metal door (middle), and a vision panel to ceramic fire glass (center). The vision panel is 49 units high. The door is 50 units wide. The drawing includes labels for the materials and dimensions, and a note to refer to the door schedule on drawing A8.1 for the type of door.

OR

AL

274

40

135

49

50

19

19

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

FIRE RATED HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

VISION PANEL TO CERAMIC FIRE GLASS (FG). REFER TO DOOR SCHEDULE ON DRAWING A8.1.

DOOR SILL

40 135 49 224

FIRE RATED HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

FLOOR ANCHOR CLIP BEYOND AT BOTH JAMBS.

Diagram illustrating the components and dimensions of a fire-rated door assembly:

- VISION PANEL TO BE**: CERAMIC FIRE GLASS (CFG). REFER TO DOOR SCHEDULE ON DRAWING AB-1.
- FLOOR ANCHOR CLIP**: BEYOND AT BOTH JAMBS.
- FIRE RATED HOLLOW METAL SILL**: SECURED TO FLOOR ASSEMBLY WITH FLOOR ANCHOR CLIP. FILL SOLID WITH MORTAR.
- FINISHED FLOOR**
- SCREEN SILL**
- Dimensions**:
 - Top width: 100"
 - Top width: 12"
 - Right height: 100"

FIRE RATED HOLLOW METAL FRAME FILLED WITH MORTAR.

VISION PANEL TO CERAMIC FIRE GLASS (CFG). REFER TO FLOOR SCHEDULE ON DRAWING AB.1.

19 50 50 40 40 40 40

149

49 60 40

VISION PANEL TO CERAMIC FIRE GLASS (CFG). REFER TO DOOR SCHEDULE ON DRAWING A8.1.

50

FIRE-RATED HOLLOW METAL FRAME PACKED WITH INSULATION.

CONTINUOUS SEAKIT AND BACK RCD ON BOTH SIDES (TYP.)

PROVIDE DOUBLE STUDS TYP.

GYPSUM BOARD FINISHED WALL ASSEMBLY. REFER TO CONSTRUCTION.

(PT)

(PB)

3 BULLNOSED CORNER BASE DETAIL AT MASONRY PARTITIONS

A. SCREEN HEAD

- GYPSUM BOARD FINISHED WALL ASSEMBLY. REFER TO CONSTRUCTION.
- PROVIDE DOUBLE STUDS TYP.
- CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
- HOLLOW METAL FRAME
- VISION PANEL TO TEMPERED GLASS (TGL). REFER TO DOOR SCHEDULE ON DRAWING AS-1.

B. DOOR HEAD

- GYPSUM BOARD FINISHED WALL ASSEMBLY. REFER TO CONSTRUCTION.
- PROVIDE DOUBLE STUDS TYP.
- CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
- HOLLOW METAL FRAME
- REFER TO DOOR SCHEDULE ON DRAWING AS-1 FOR TYPE OF DOOR.

C. INTERMEDIATE MULLION

- HOLLOW METAL FRAME
- VISION PANEL TO TEMPERED GLASS (TGL). REFER TO DOOR SCHEDULE ON DRAWING AS-1.
- REFER TO DOOR SCHEDULE ON DRAWING AS-1 FOR TYPE OF DOOR.

COLLOW METAL FRAME

WALL ASSEMBLY. REFER TO CONSTRUCTION.

149

49

60

40

19

50

10

124

PROVIDE DOUBLE

VIEWING PANEL TO

P2

Technical drawing of a door assembly showing side and end views with dimensions and callouts.

Dimensions:

- Overall height: 149
- Top panel height: 40
- Panel height: 60
- Bottom panel height: 40
- Top panel width: 19
- Panel width: 50
- Bottom panel width: 10
- End view height: 174

Callouts and Notes:

- HOLLOW METAL FRAME
- WALL ASSEMBLY - REFER TO CONSTRUCTION
- REFER TO DOOR SCHEDULE AND DRAWING A8.1 FOR TYPE IF FIRE RATED DOOR.
- PROVIDE DOUBLE STUDS TYP.
- CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)
- 29

CONCRETE MASONRY PARTITION WALL. REFER TO CONSTRUCTION ASSEMBLY.

STEEL BEAM LINTEL REFER TO STRUCTURAL DRAWINGS.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

HOLLOW METAL FRAME

HOLLOW METAL DOOR. REFER TO DOOR SCHEDULE ON DRAWING A8.1 FOR TYPE OF DOOR.

J. DOOR

HOLLOW

40 135 49

224

40 135 49

224

REFER TO ON DRAW TYPE.

HOLLOW METAL FRAME

PARTITION WALL, REFER TO CONSTRUCTION ASSEMBLY.

274
46
153
49

190

(P1)

REFER TO DOOR SCHEDULE OR DRAWING A8.1 FOR DOOR TYPE.

CONTINUOUS SEALANT AND BACK ROD ON BOTH SIDES (TYP.)

MASONRY ANCHOR CLIP.

[illegible]

project
TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
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A8.2