

KING'S ROAD PS ACCESSIBILITY UPGRADES

660 GREENWOOD DRIVE,
BURLINGTON, ONTARIO L7T 3P3



Revisions				
Ref.	No.	Description	Date	Initial
△		50% SUBMISSION	2026/02/20	
△		CONSULTANTS COORDINATION	2026/03/09	
△		CONSULTANTS COORDINATION	2026/03/27	
△		95% SUBMISSION	2026/04/23	
△		ISSUED FOR PERMIT & TENDER	2026/06/10	

Project:
KING’S ROAD PS
ACCESSIBILITY UPGRADES
660 GREENWOOD DRIVE
BURLINGTON, ON L7T 3P3

82 Bellagio Crescent
Vaughan, Ontario, Canada L4K 5K7
Tel:(905)303-6606 Fax:(905)303-6636

Consultant:

Title:

TITLE SHEET, GENERAL
NOTES, SITE PLAN NOTES

Drawn by: C.C.	Date: OCTOBER 2025
Checked by: P.L.	Plotted:
Scale: AS SHOWN	Issued:
Job No.: 25115	Drawing No.: A0
Set No.:	of:

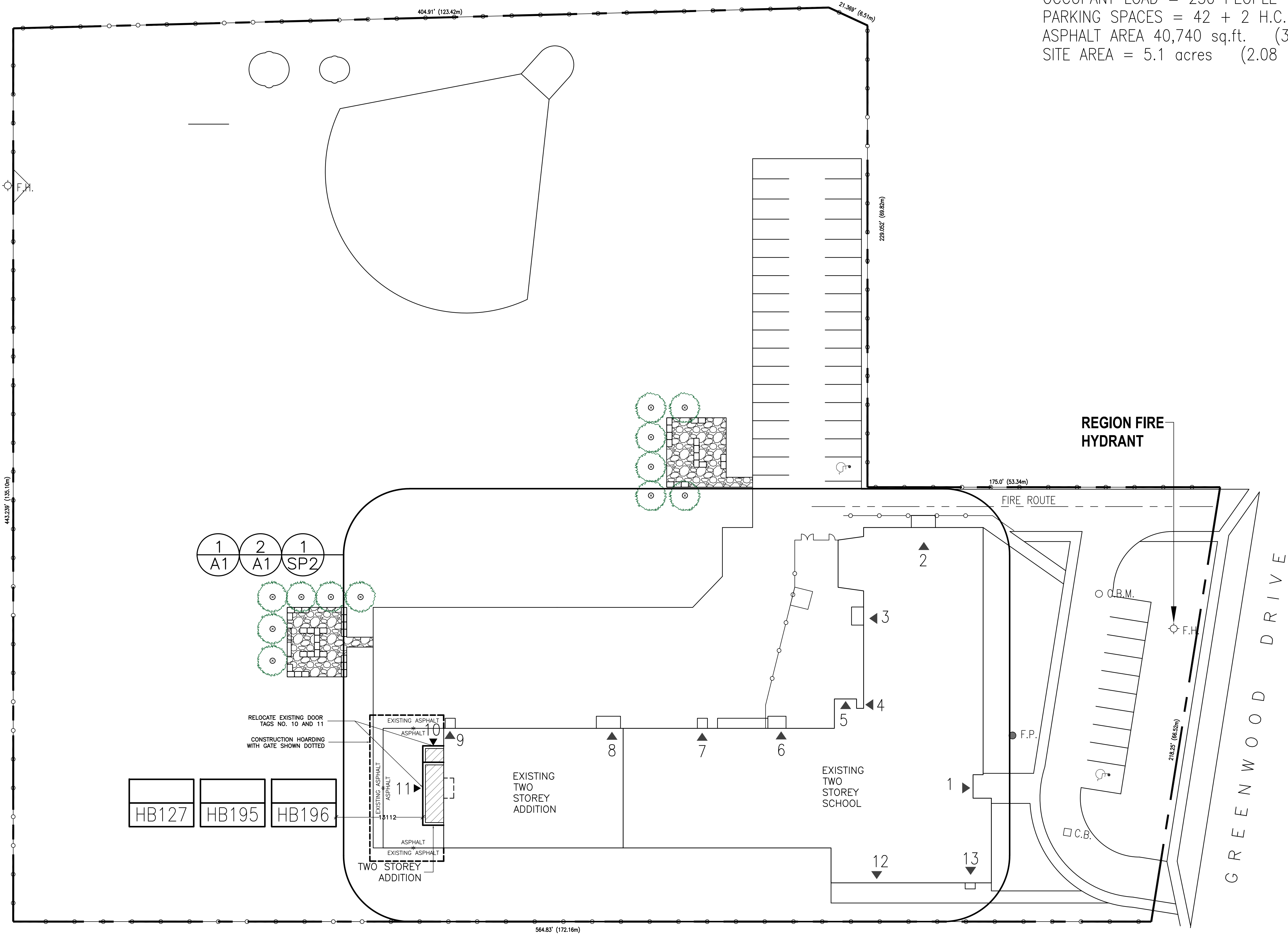
GENERAL NOTES:	
1. MAKE GOOD: RESTORE ALL SURFACES, FINISHES, AND BUILDING ELEMENTS DISTURBED OR DAMAGED BY THE WORK TO MATCH ADJACENT EXISTING CONDITIONS, UNLESS OTHERWISE SPECIFIED. WORK SHALL INCLUDE PATCHING, REPAIRING, REPLACING, AND REFINISHING MATERIALS TO ACHIEVE A UNIFORM AND SEAMLESS APPEARANCE. 2. VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH THE WORK. 3. REPORT TO ARCHITECT AT LEAST THREE WORKING DAYS PRIOR TO CONSTRUCTION ALL DISCREPANCIES, OMISSIONS, ERRORS, DEPARTURES FROM BUILDING BY-LAWS, O.B.C., OR GOOD PRACTICE AND POINTS CONSIDERED TO BE OF AMBIGUOUS INTENT, SO THAT THE ARCHITECT MAY, IF NECESSARY, ISSUE INSTRUCTIONS BY ADDENDA. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR ORAL INSTRUCTIONS. 4. DO NOT SCALE DRAWINGS. 5. EXTEND, MAKE GOOD, REPAIR AND CLEAN EXISTING SUBSTRATES, FINISHES, AND COMPONENTS AS REQUIRED TO MATCH EXISTING. PROVIDE ADDITIONAL MATERIALS AND COMPONENTS AS REQUIRED. MAINTAIN CONTINUITY TO EXISTING WORK, FLUSH, PLUMB AND IN ALIGNMENT, AND WITHOUT DETRIMENTS TO VISUAL APPEARANCE. MATCH EXISTING MATERIALS AND METHODS. VARIATIONS WILL BE ACCEPTED BY ARCHITECT'S WRITTEN AUTHORIZATION ONLY, AND WHERE AUTHORIZED MUST MEET OR EXCEED QUALITY AND PERFORMANCE OF EXISTING. 6. PROTECT EXISTING WORK AND ASSEMBLIES TO REMAIN. SHORE AND BRACE AS REQUIRED. BE RESPONSIBLE FOR REPAIRS, MAKING GOOD AND CLEANING IN EVENT PROTECTION IS NOT ADEQUATE. 7. PROTECT PUBLIC AND OTHER PRIVATE PROPERTY BEYOND IMMEDIATE WORK AREA. CONTRACTOR TO HOLD OWNER HARMLESS AGAINST ALL CLAIMS ASSOCIATED WITH THIS WORK. 8. MAINTAIN CONTINUITY OF ALL EXISTING FIRE SEPARATIONS, ASSEMBLIES, AND PROTECTIVE CLADDING. 9. ALL WORK IS TO BE PROVIDED AS COMPLETE, OPERATING SYSTEMS EXCEPT AS NOTED. PREPARE ALL EXISTING SUBSTRATES TO RECEIVE NEW FINISHES AS REQUIRED ACCORDING TO RECOMMENDATIONS OF MANUFACTURER OF NEW FINISH MATERIALS. 11. PROVIDE PURPOSE-MADE ALUMINUM REDUCING STRIPS AT ALL DISSIMILAR FLOOR FINISH MATERIALS, INCLUDING JUNCTION OF EXISTING MATERIALS TO NEW MATERIALS. SUBMIT SAMPLES TO ARCHITECT FOR APPROVAL. 12. MOVE MATERIALS AND DEBRIS FROM IMMEDIATE WORK AREA TO EXTERIOR RUBBISH BINS IN CLOSED DUST-TIGHT CONTAINERS. LOCATE BINS TO APPROVAL OF OWNER. 13. CO-ORDINATE AND PAY FOR ALL CHARGES AND FEES ASSOCIATED WITH THE WORK TO BE PERFORMED AS LEVIED BY THE AUTHORITIES HAVING JURISDICTION. PROCURE ALL ENCROACHMENT AGREEMENTS AS REQUIRED TO PERMIT WORK TO BE PERFORMED. 14. PROVIDE DUST-TIGHT CONSTRUCTION HOARDING TO ISOLATE WORK AREA. SUBMIT SHOP DRAWINGS. 15. PERFORM ALL SITE PREPARATIONS AND DEMOLITIONS AS REQUIRED TO PERMIT WORK TO COMMENCE AND BE ACCOMMODATED. 16. THE SCHEDULE AND SEQUENCE OF THE WORK WILL BE SUBJECT TO THE APPROVAL OF THE OWNER. THE OWNER INTENDS TO OCCUPY AND OPERATE IN THE PREMISES DURING CONSTRUCTION. 17. PROVIDE ACCESS TO ALL CONTROL DEVICES AND MAINTAIN ACCESS TO ALL EXISTING CONTROL DEVICES WHICH ARE COVERED BY FINISHES. PROVIDE PRE-MANUFACTURED ACCESS PANELS TO SUIT. SUBMIT SAMPLES TO ARCHITECT FOR APPROVAL. 18. REMOVE ALL EXISTING INACTIVE AND ABANDONED MECHANICAL AND ELECTRICAL SERVICE LINES. MAKE GOOD. 19. CONFORM TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. 20. MAINTAIN ACCESS TO EXITS AT ALL TIMES. PROVIDE ALTERNATE EXITS IN CONSULTATION WITH AND AT APPROVAL OF BUILDING OFFICIAL. PROVIDE TEMPORARY EXIT SIGNS AND ADJUST EXISTING EXIT SIGNS AS REQUIRED. AT COMPLETION OF WORK, REMOVE TEMPORARY SIGNS AND RESTORE SIGNAGE. MAKE GOOD. 21. ACCESS CEILING, WALL AND FLOOR ASSEMBLIES AS REQUIRED TO PERFORM WORK. MAKE GOOD TO MATCH EXISTING OR REMOVE ASSEMBLY AND REPLACE TO APPROVAL OF CONSULTANT.	

GRADING NOTES:	
1. SLOPE FINISHED GRADE AWAY FROM BUILDING MINIMUM 2% UNLESS OTHERWISE NOTED. GRADE IS NOT TO SLOPE TOWARDS BUILDING UNDER ANY CIRCUMSTANCE. 2. CAREFULLY AND PROPERLY CUT AND TERMINATE EXISTING SITE FINISHES AS REQUIRED TO ACCOMMODATE WORK. SAWCUT ALL HARD FINISHES. MAKE GOOD SITE FINISHES TO MATCH EXISTING. SAWCUT WHERE EXISTING ASPHALT REQUIRES ADJUSTMENT. AT AREAS TO RECEIVE ASPHALT, EXCAVATE TO REMOVE ALL ORGANIC MATERIAL TO UNDISTURBED SOIL. PROOF ROLL EXISTING FILL ONLY AS DIRECTED BY SOILS' REPORT 3. BLEND GRADING GENTLY BETWEEN WORK AND EXISTING SITE FINISHES TO SUIT CONDITIONS. SLOPE SODDED AREAS 1:3 MAXIMUM. 4. REVIEW GRADING PRIOR TO COMMENCEMENT OF WORK AND BRING TO ATTENTION OF CONSULTANT ANY DISCREPANCIES ENCOUNTERED. 5. UNLESS OTHERWISE NOTED, PROVIDE SOD ON TOPSOIL FOR SITE FINISH. 6. REMOVE FROM SITE AND LEGALLY DISPOSE OF ALL EXCESS EXCAVATED MATERIAL. 7. WHERE SUPPLEMENTAL MATERIAL IS REQUIRED TO ACHIEVE FINISHED GRADES AS SPECIFIED, USE COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH SPECIFICATIONS AND SOILS' REPORT. 8. MAINTAIN EXISTING DRAINAGE PATTERN. 9. IN BUILDING FOOTPRINT AND BENEATH ALL SLABS ON GRADE AND HARD SITE FINISHES REMOVE ALL EXISTING SITE FINISHES, ORGANIC MATERIAL AND FILL TO UNDISTURBED SOIL. WHERE PERMITTED AS INDICATED IN GEOTECHNICAL REPORT. PROOF-ROLL EXPOSED SUBGRADE FILL WITH HEAVY SHEEP FOOT ROLLER. SUB-EXCAVATE SOFT AREAS AS ENCOUNTERED. PROVIDE SUBGRADE UPFILL OF APPROVED SUITABLE SELECTED ONSITE MATERIALS OR IMPORTED GRANULAR MATERIAL COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY. REFER TO CHEMICAL ANALYSIS REPORT. GEOTECHNICAL ENGINEER TO MONITOR REMOVAL OF UNSUITABLE MATERIAL, PROOF-ROLLING OF SUBGRADE, AND UPFILLING OPERATION OF SUBGRADE.	
TEMPORARY CONSTRUCTION EXITS:	
BARRICADE AND PROVIDE DUST TIGHT HOARDING TO EXISTING BUILDING. ESTABLISH ALTERNATE EXITS DURING CONSTRUCTION THROUGH EXISTING DOORS TO EXTERIOR. PROVIDE EXIT SIGNS AS REQUIRED AND REMOVE AND MAKE GOOD AT COMPLETION OF WORK. MASK EXISTING SIGNS AS REQUIRED FOR TEMPORARY EXITS. REVIEW EXITING DURING CONSTRUCTION WITH LOCAL BUILDING DEPARTMENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.	
INFORMATION FOR THIS SITE PLAN TAKEN FROM DOCUMENTS PROVIDED BY THE HALTON DISTRICT SCHOOL BOARD	

NOTE: SITE PLAN IS ROTATED

LEGAL DESCRIPTION: CON BF PT LOT 1, City of Burlington

OCCUPANT LOAD = 250 PEOPLE
PARKING SPACES = 42 + 2 H.C.
ASPHALT AREA 40,740 sq.ft. (3785m)
SITE AREA = 5.1 acres (2.08 ha.)

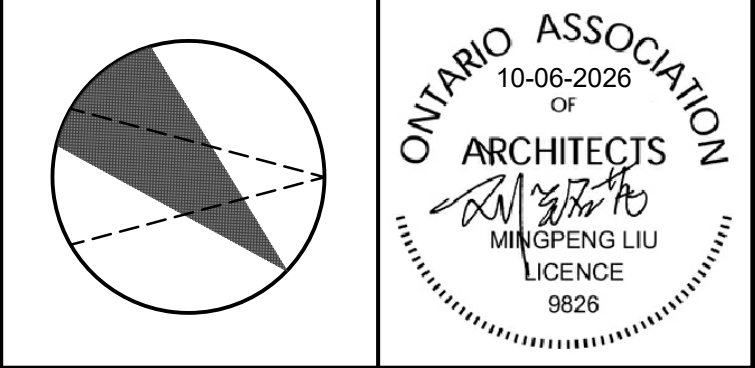


Revisions				
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△		CLIENTS REVIEW	2025/11/24	
△		CLIENTS REVIEW	2026/01/20	
△		CONSULTANTS COORDINATION	2026/01/21	
△		50% SUBMISSION	2026/02/20	
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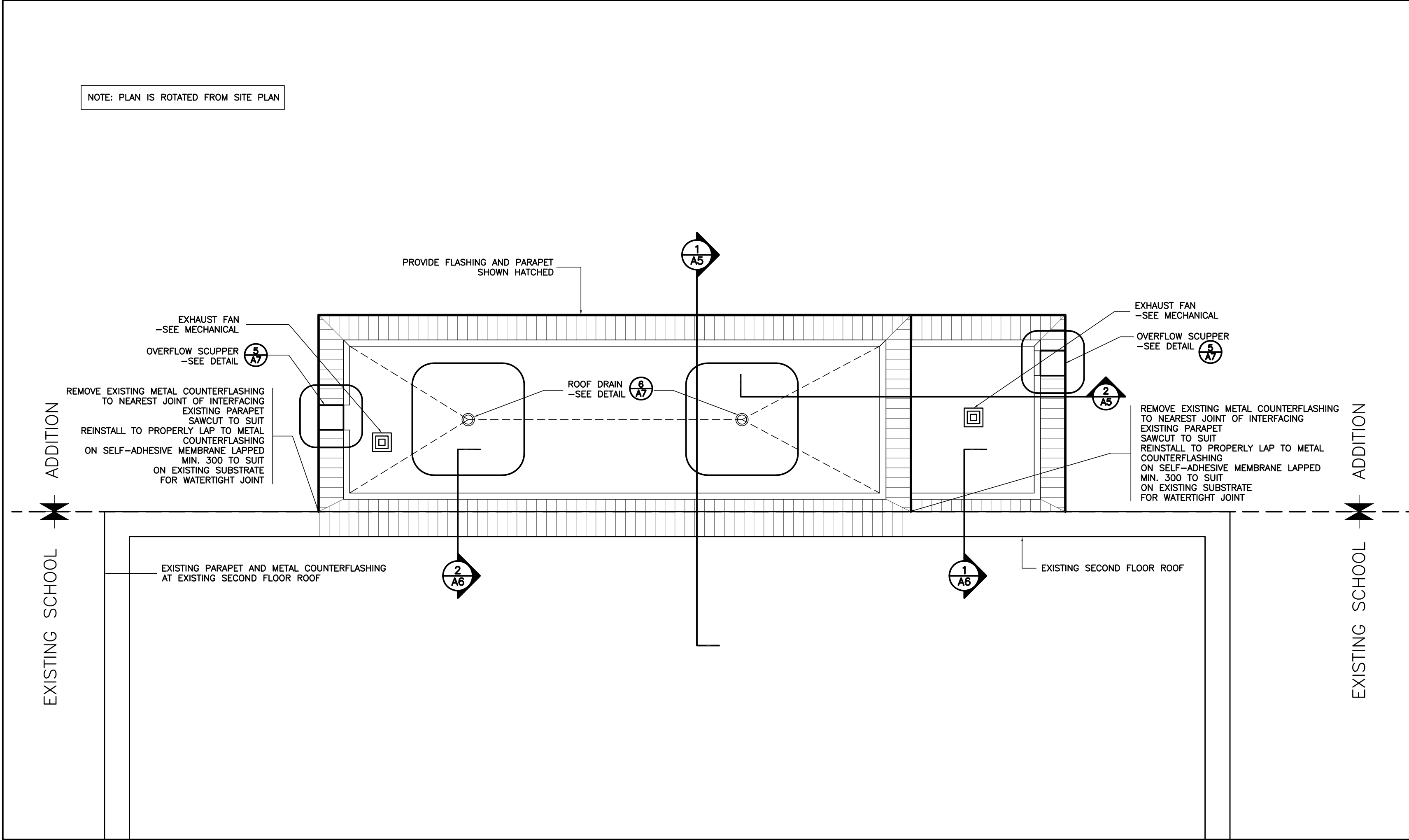
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Vaughan, Ontario, Canada L4K 5K7
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Consultant:

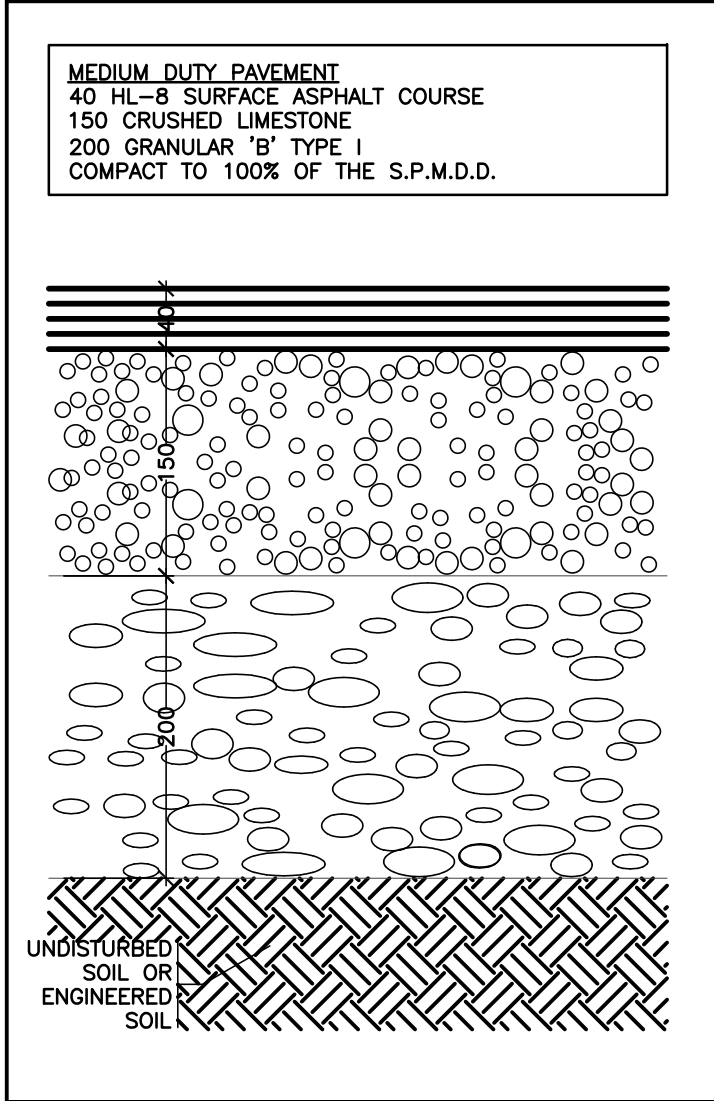
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SITE PLAN

Drawn by: C.C.	Date: OCTOBER 2025
Checked by: P.L.	Plotted:
Scale: 1:300	Issued:
Job No.: 25115	Drawing No.:
Set No.:	SP1



1 ROOF
SP1 PLAN

1:50



2 ASPHALT
SP1 DETAIL

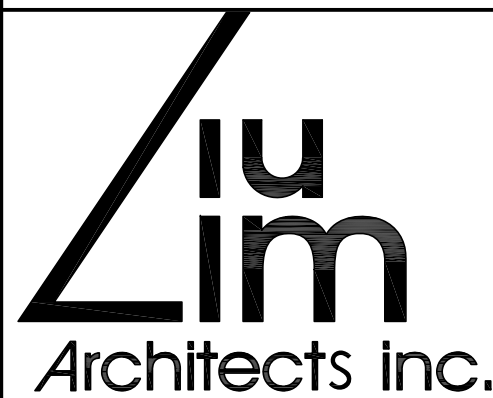
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Revisions

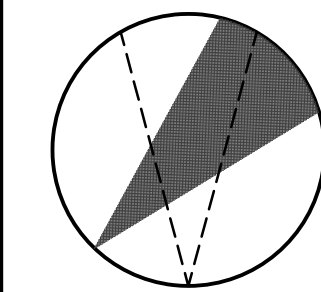
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Consultant:

Title:

ROOF PLAN, SITE DETAIL

Drawn by:
C.C.

Date:
OCTOBER 2025

Checked by:
P.L.

Plotted:

Scale:
AS SHOWN

Issued:

Job No.:

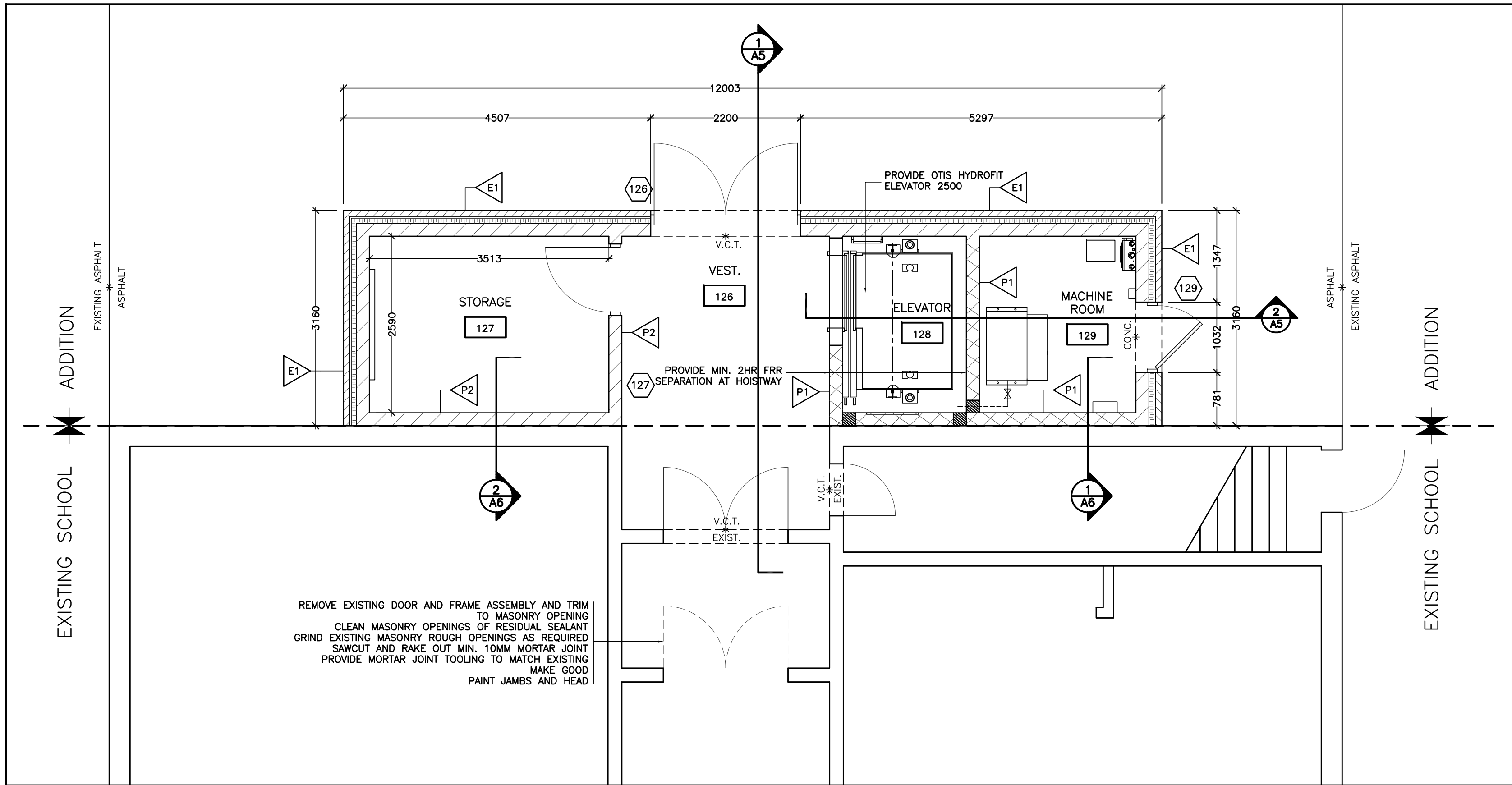
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Drawing No.:

SP2

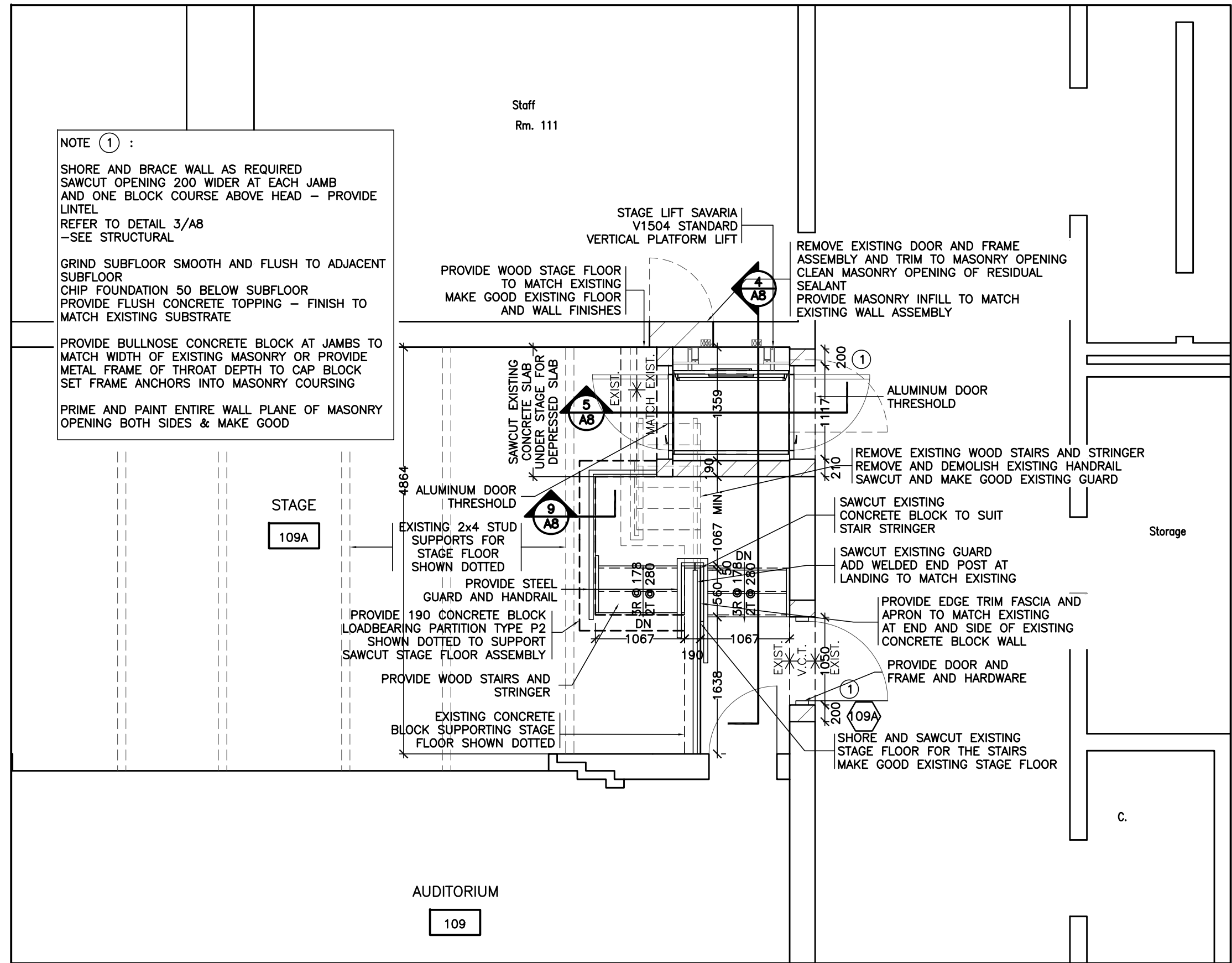
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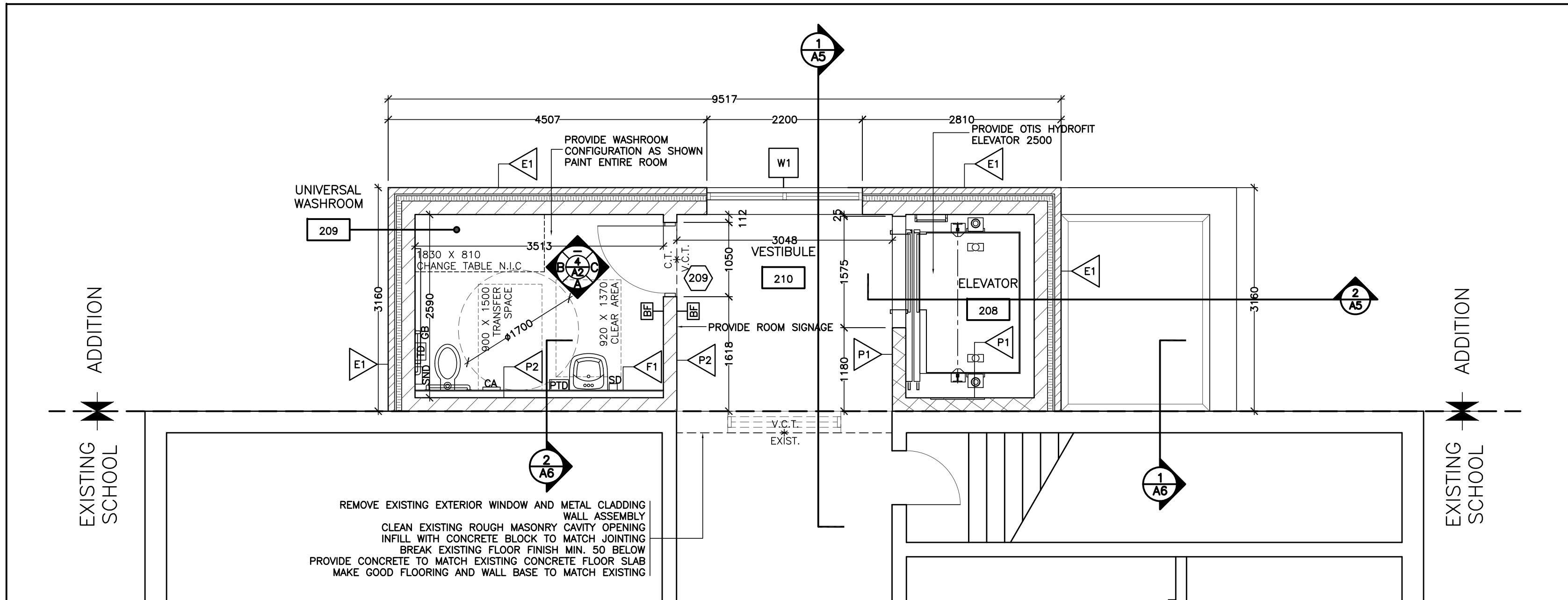
1 ADDITION GROUND FLOOR
A1 ENLARGED PLAN

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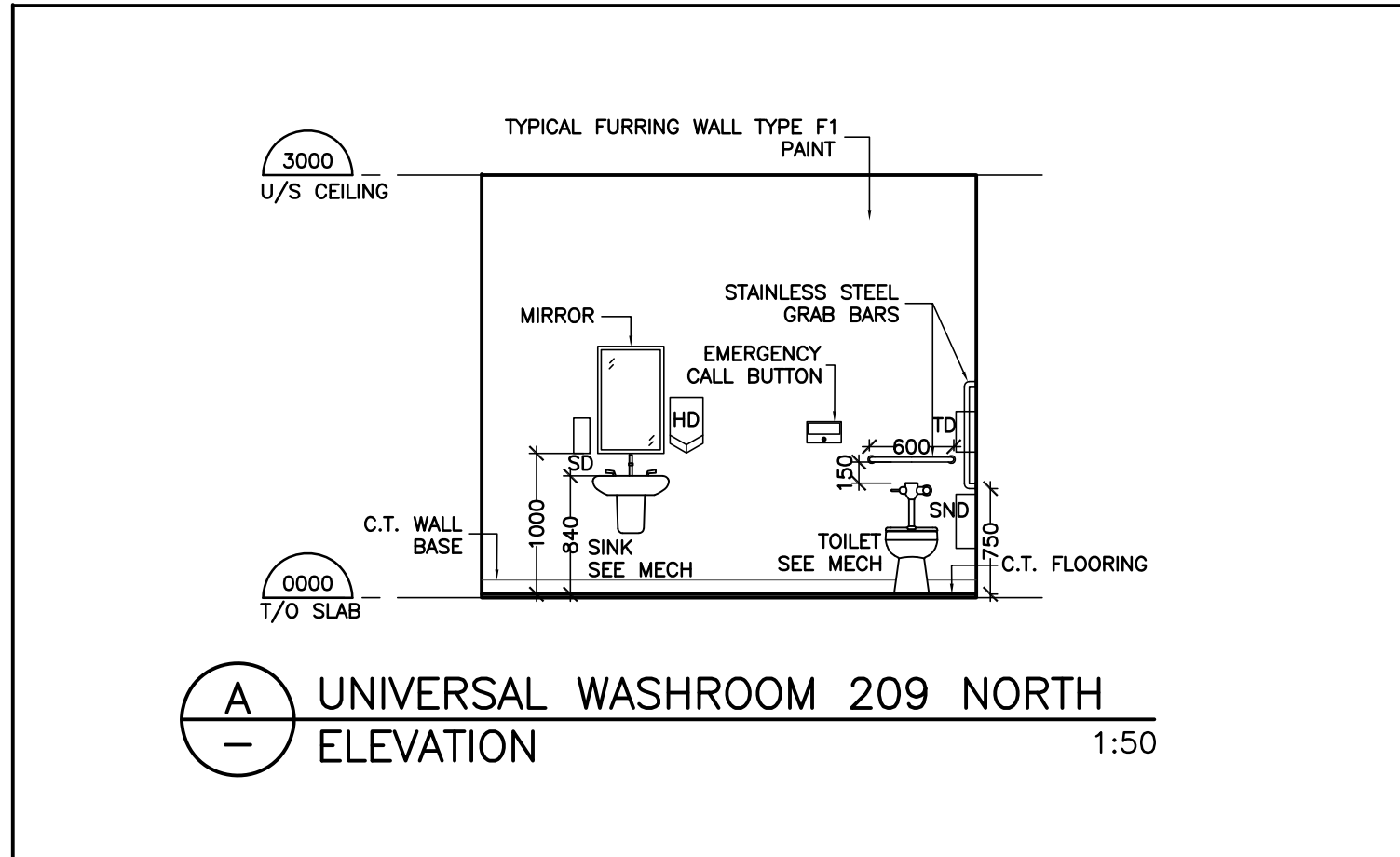
3 STAGE LIFT
A1 ENLARGED PLAN

1:50

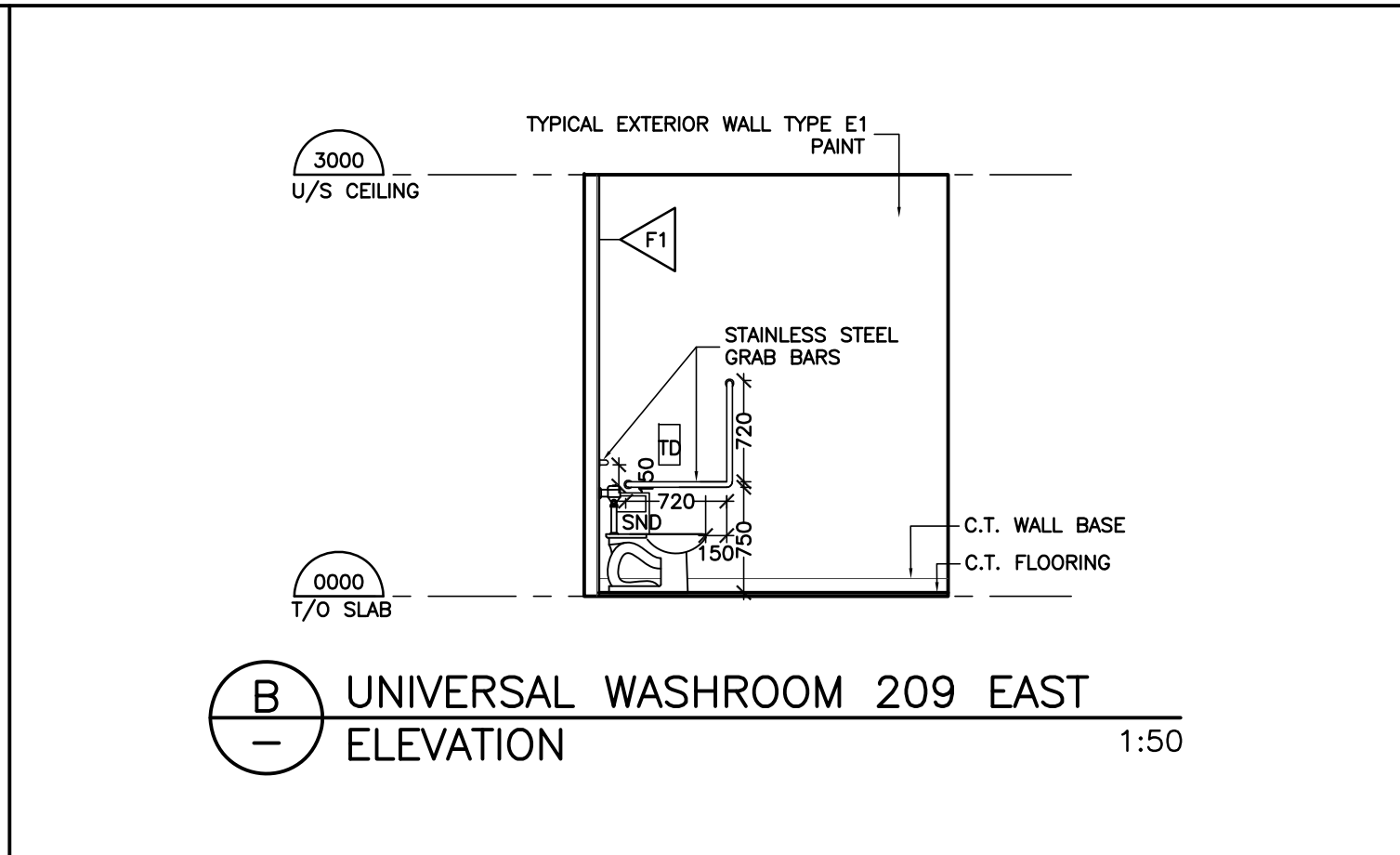


2 ADDITION SECOND FLOOR
A1 ENLARGED PLAN

1:50

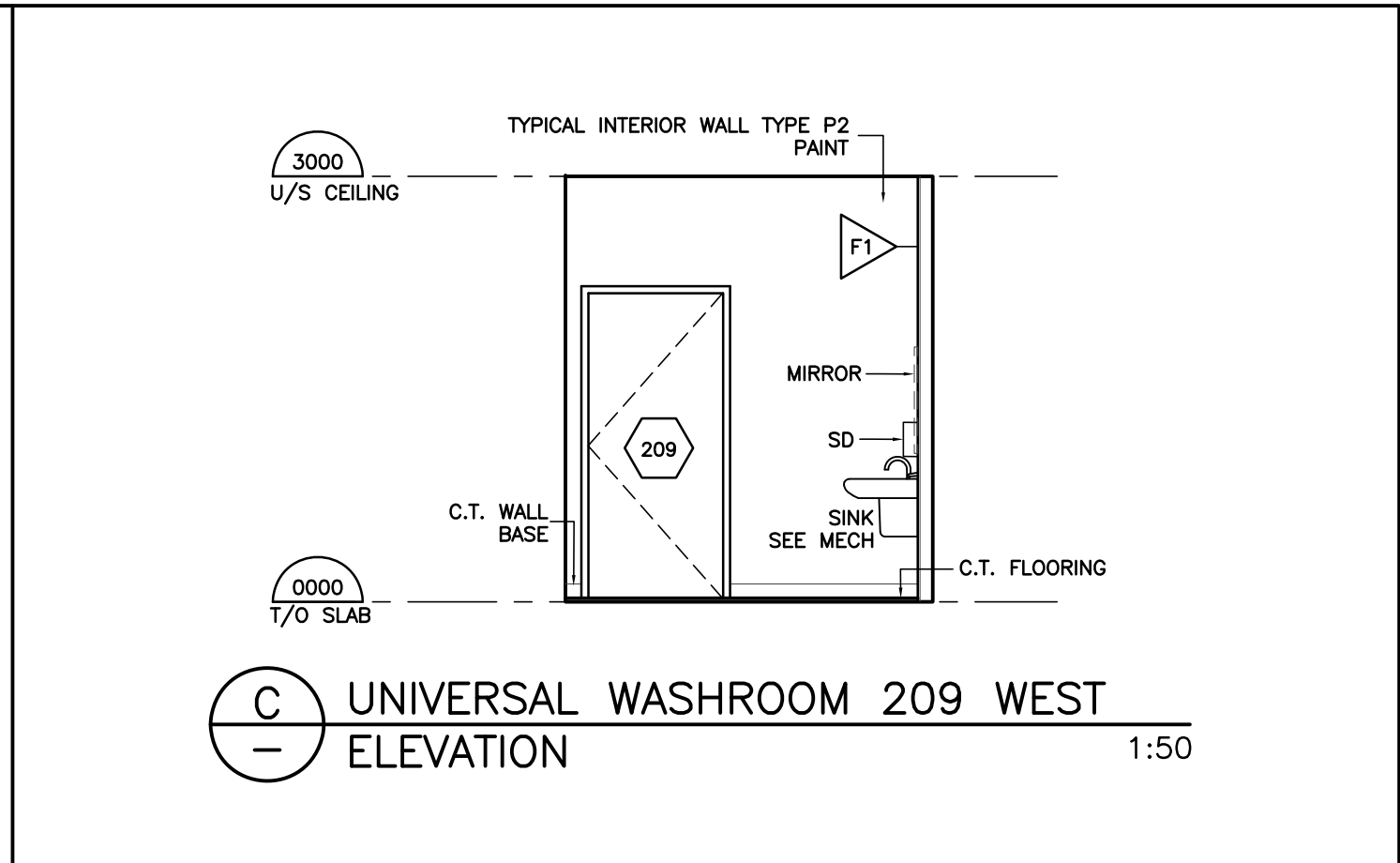


4 UNIVERSAL WASHROOM 209
A2 INTERIOR ELEVATIONS



B UNIVERSAL WASHROOM 209 EAST
ELEVATION

1:50

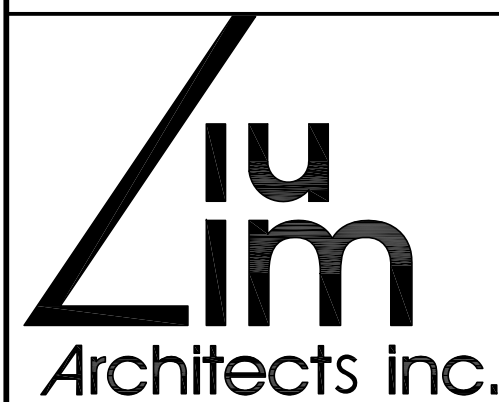


C UNIVERSAL WASHROOM 209 WEST
ELEVATION

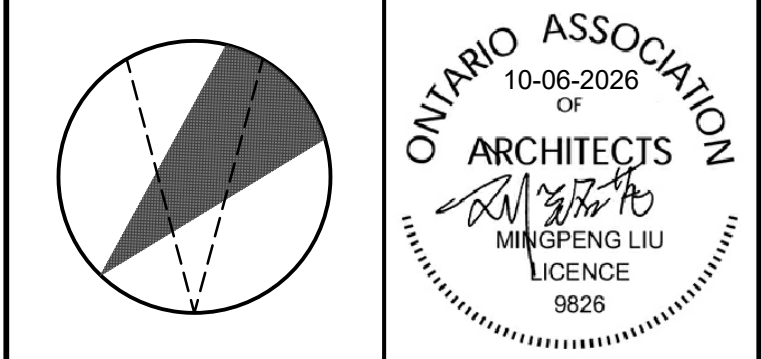
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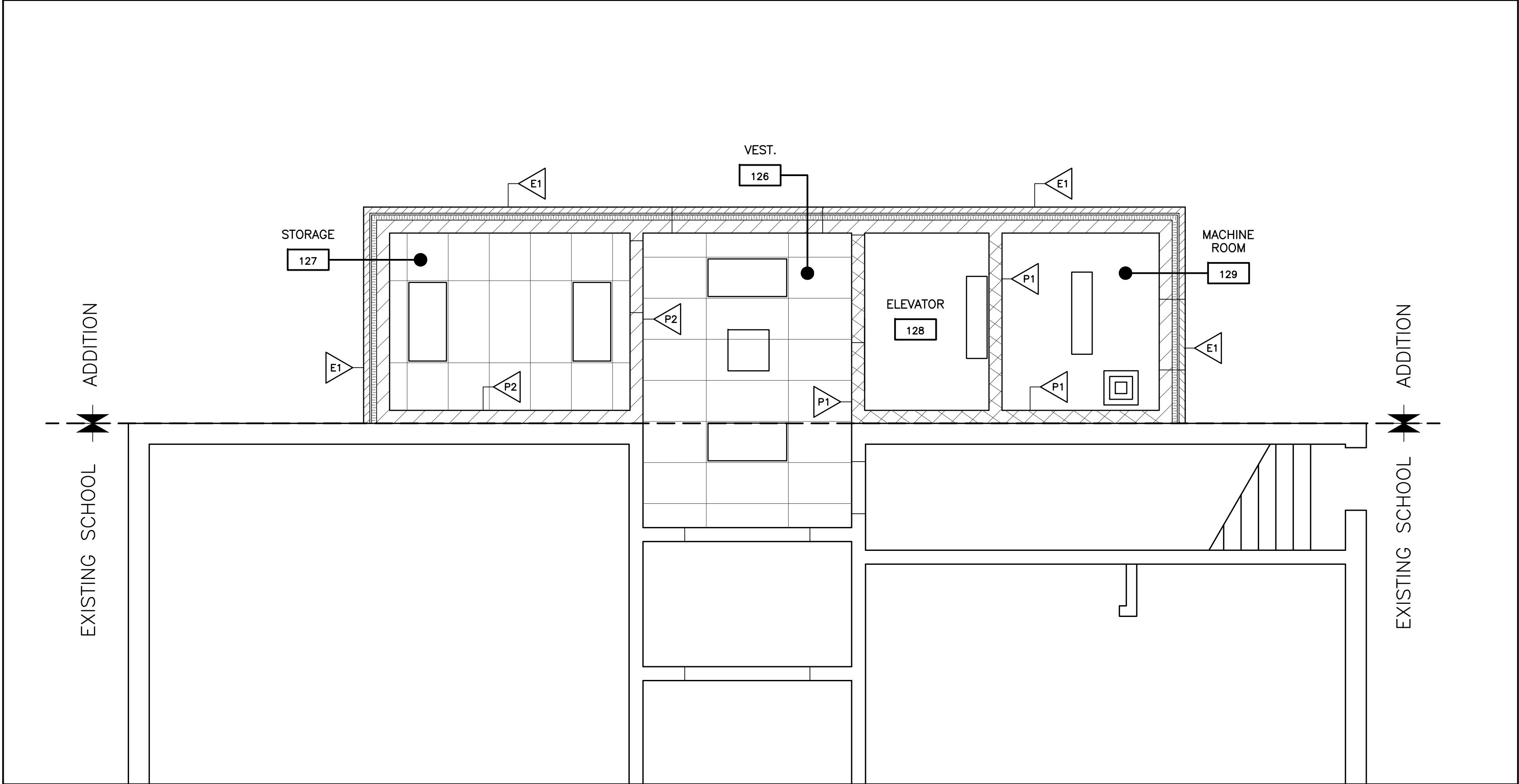


Consultant:

Title:
ENLARGED GROUND FLOOR
AND SECOND FLOOR PLANS
AND INTERIOR ELEVATIONS

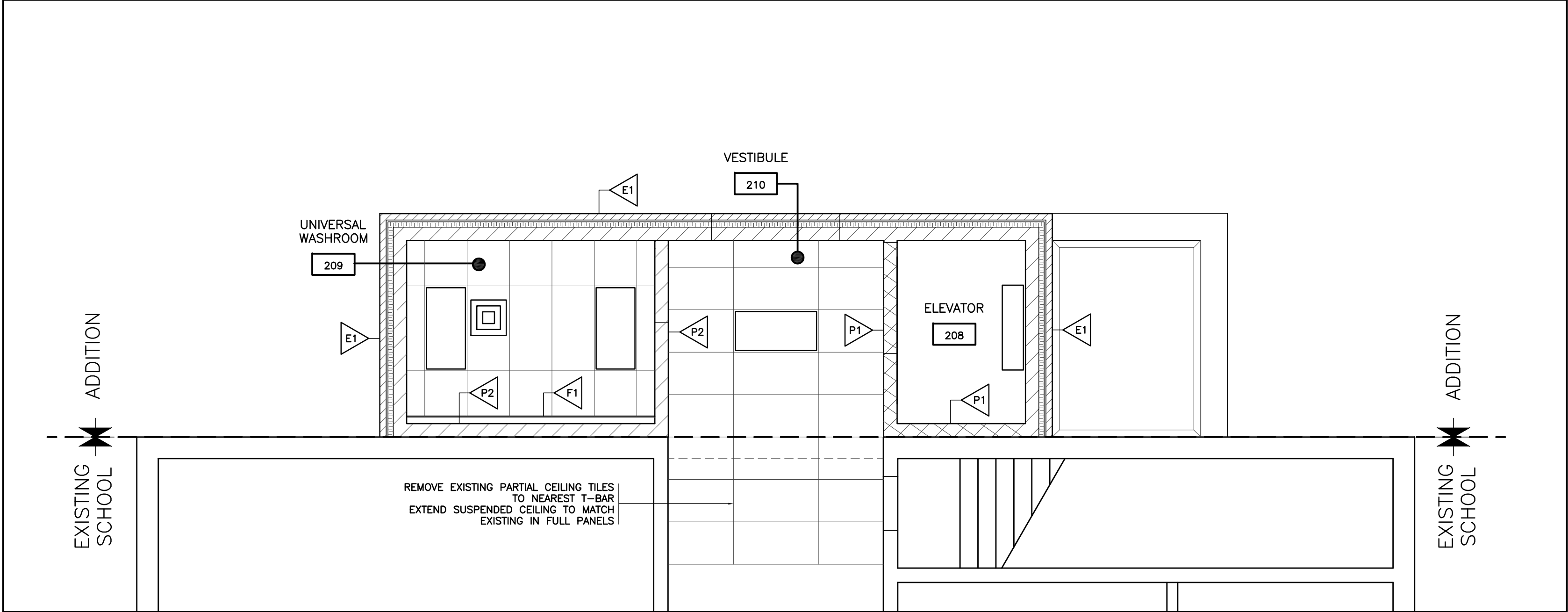
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Checked by: P.L.	Plotted:
Scale: 1:50	Issued:
Job No.: 25115	Drawing No.:
Set No.:	A2

of:



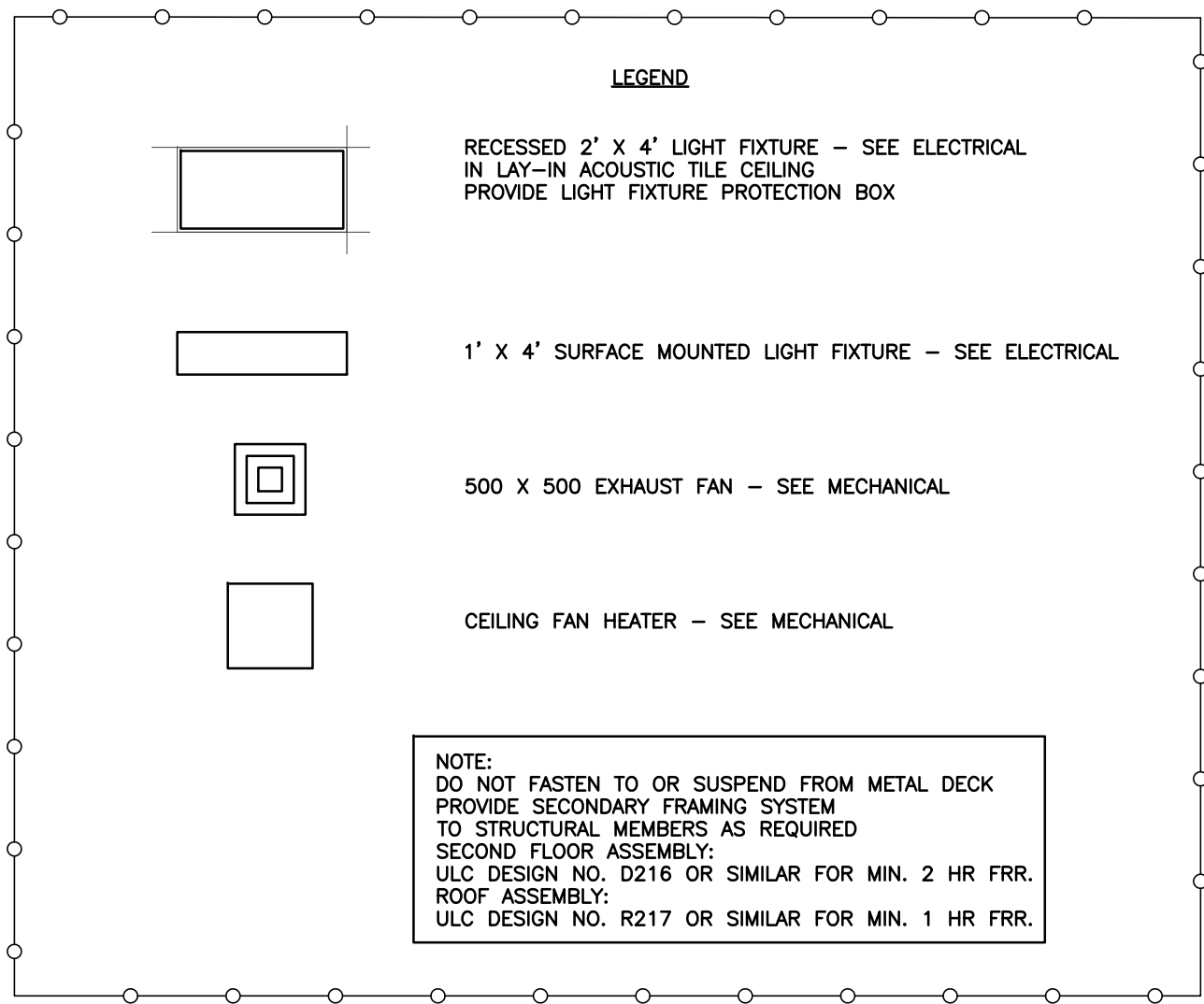
1
A1 ENLARGED ADDITION GROUND FLOOR
REFLECTED CEILING PLAN

1:50



2
A1 ENLARGED ADDITION SECOND FLOOR
REFLECTED CEILING PLAN

1:50



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KING'S ROAD PS
ACCESSIBILITY UPGRADES
660 GREENWOOD DRIVE
BURLINGTON, ON L7T 3P3



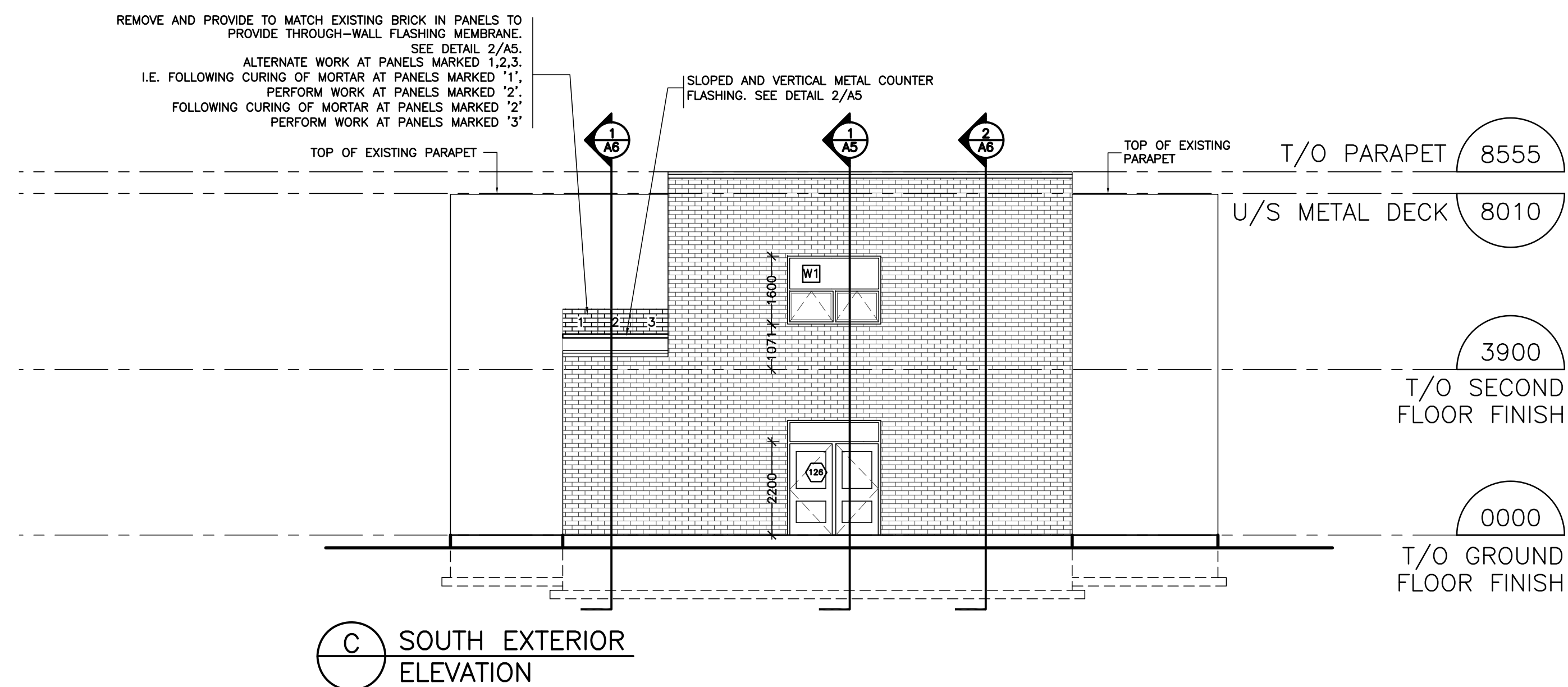
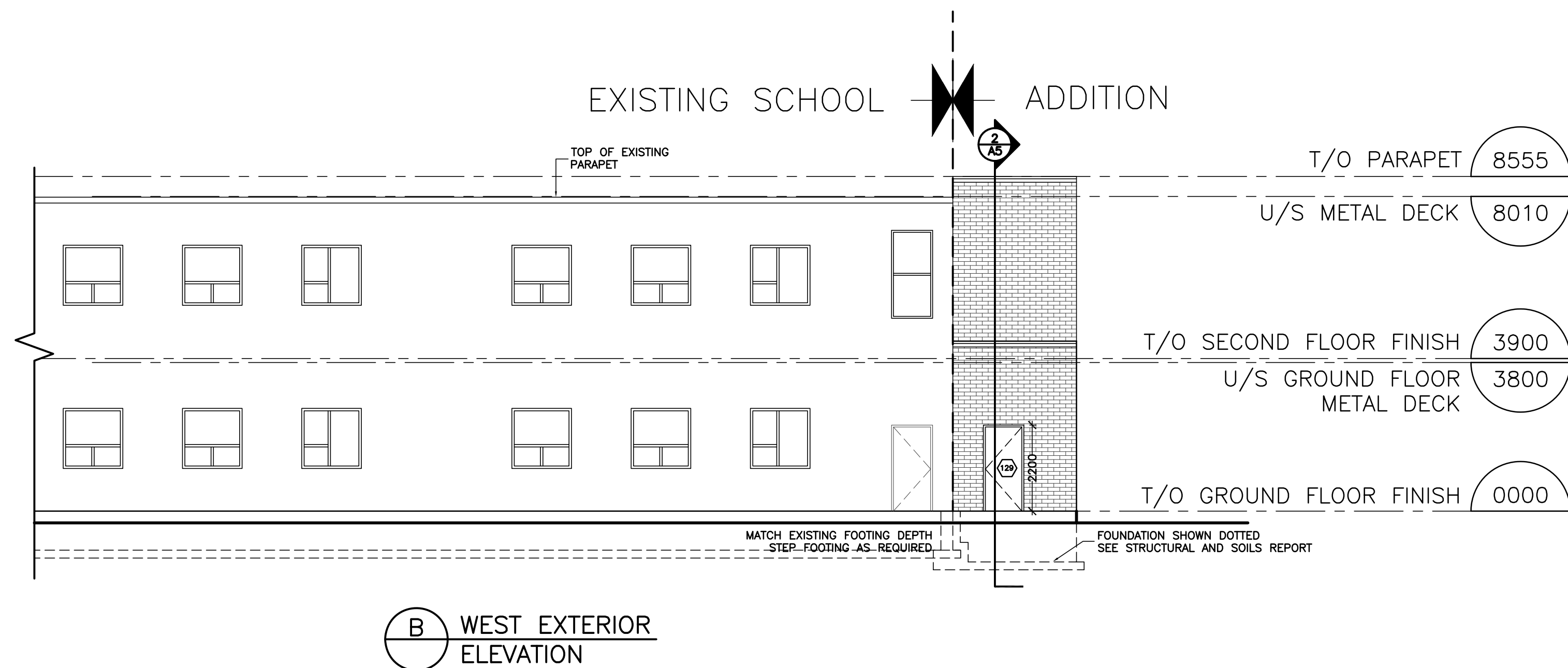
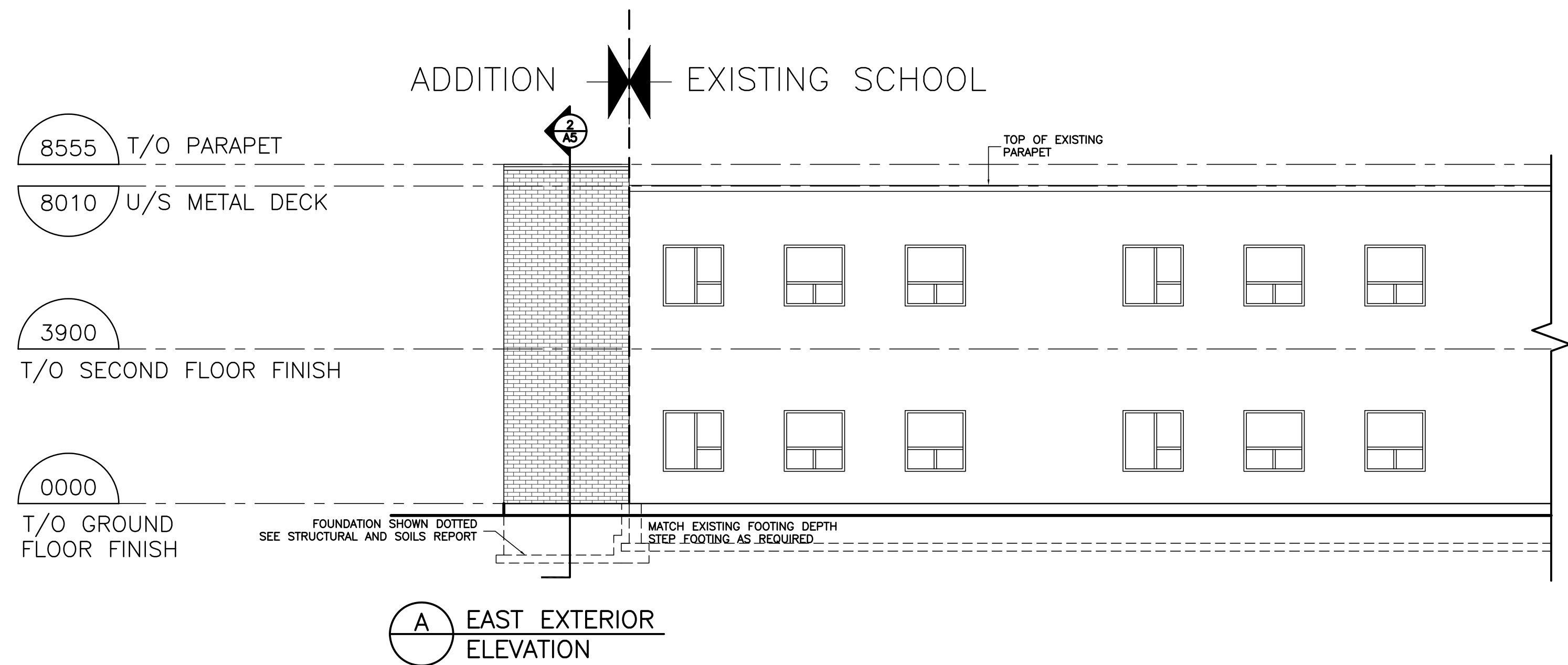
82 Bellagio Crescent
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Consultant:

Title:
ENLARGED REFLECTED
CEILING PLANS

Drawn by: C.C.	Date: OCTOBER 2025
Checked by: P.L.	Plotted:
Scale: 1:50	Issued:
Job No.: 25115	Drawing No.: A3
Set No.:	of:



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ACCESSIBILITY UPGRADES
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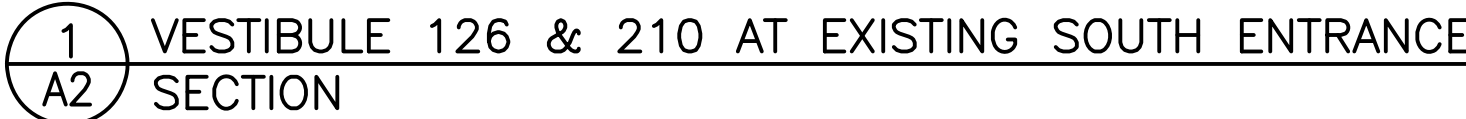
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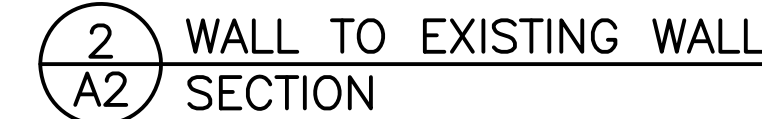
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EXTERIOR ELEVATIONS

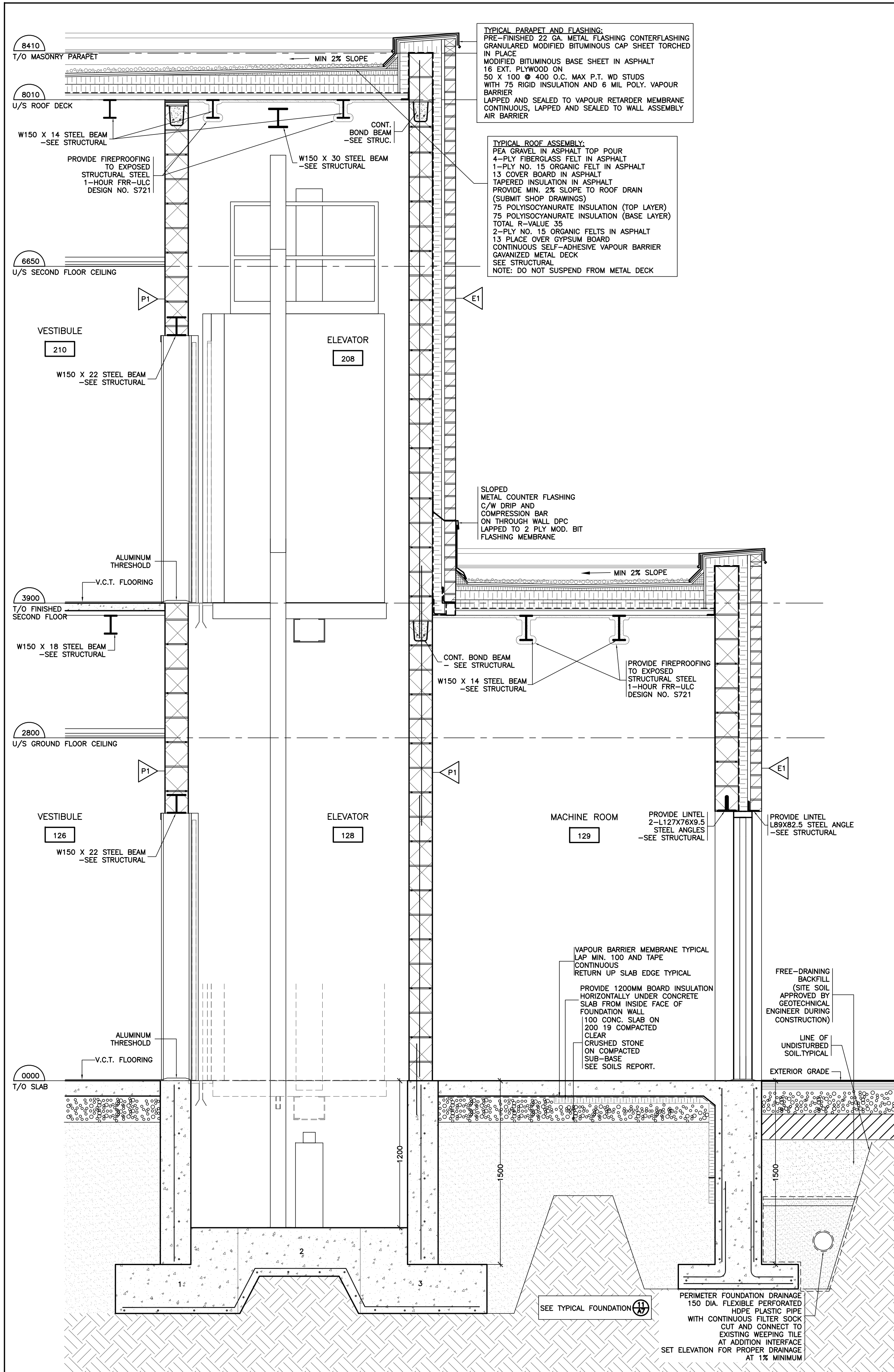
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Set No.:	of:



2 WALL TO EXISTING WALL
A2 SECTION

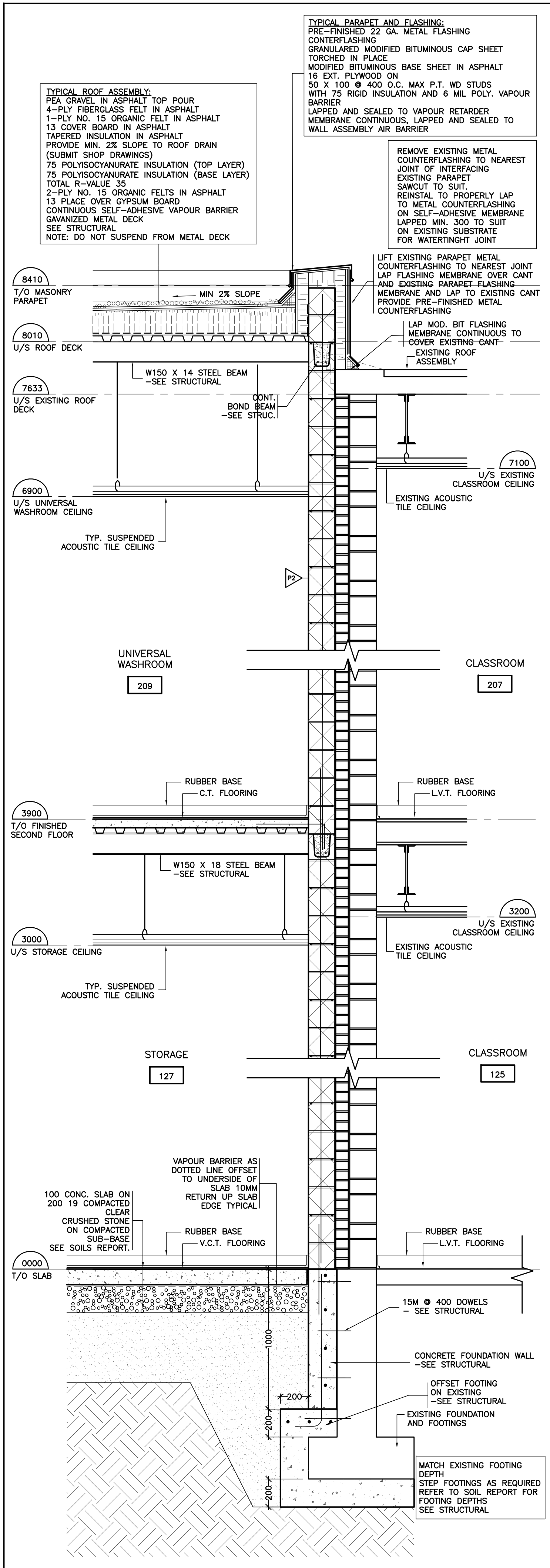


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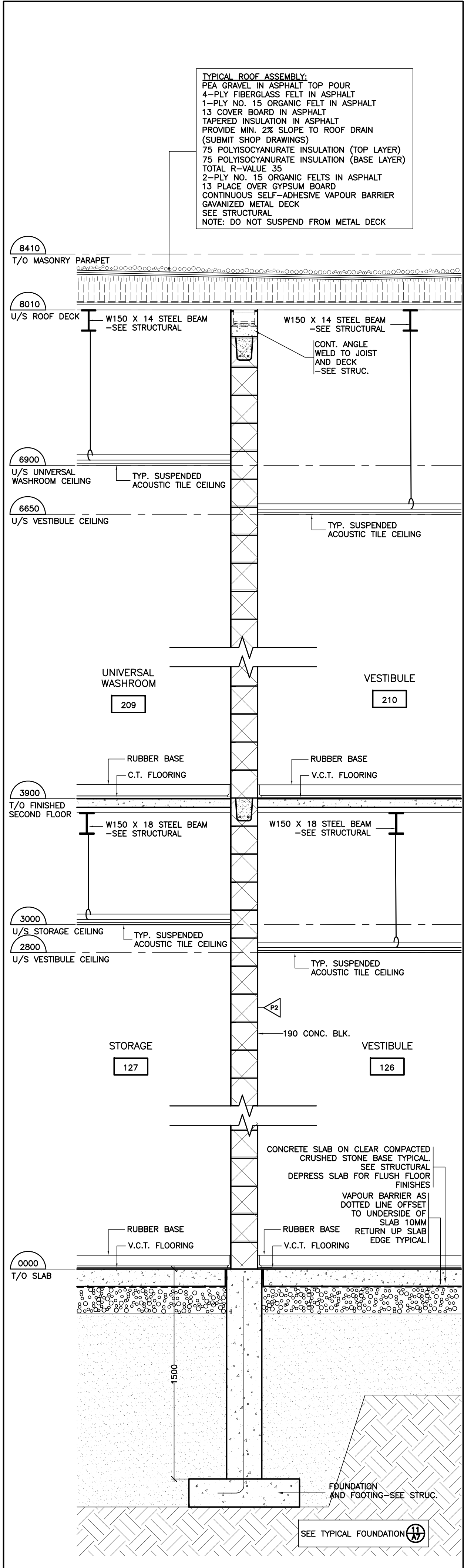
1 ELEVATOR HOISTWAY
A2 SECTION

1:20



2 WALL TO EXISTING WALL
A1 SECTION

1:20

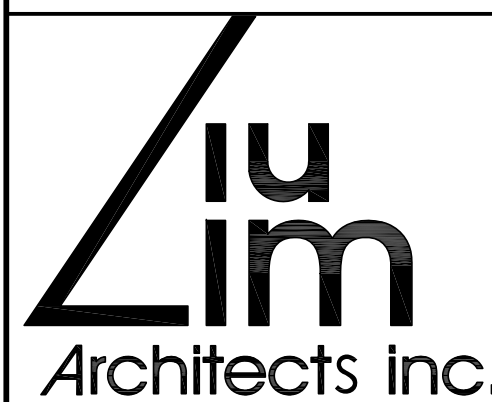


3 LOAD BEARING WALL TYPE P2
A2 TYPICAL SECTION

1:20

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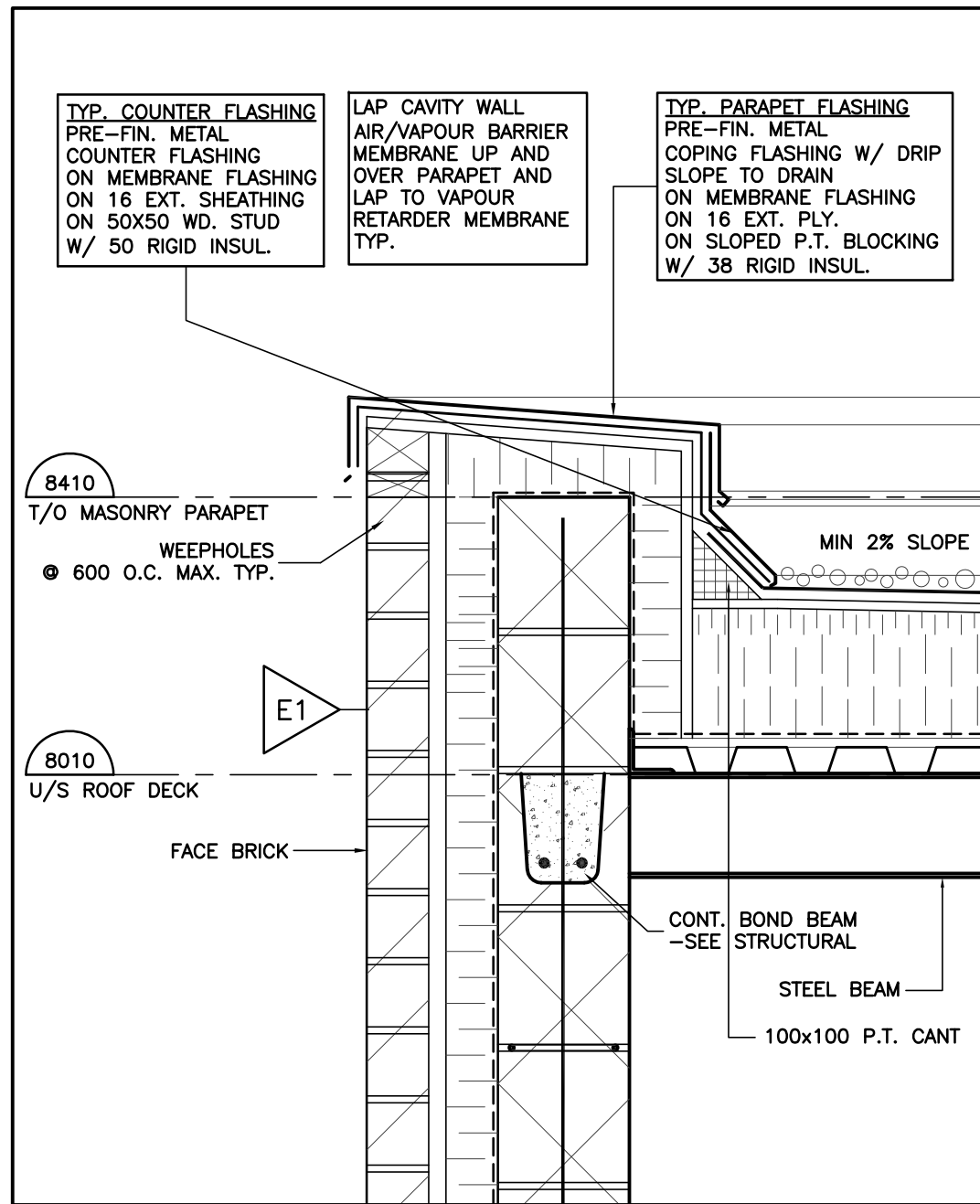


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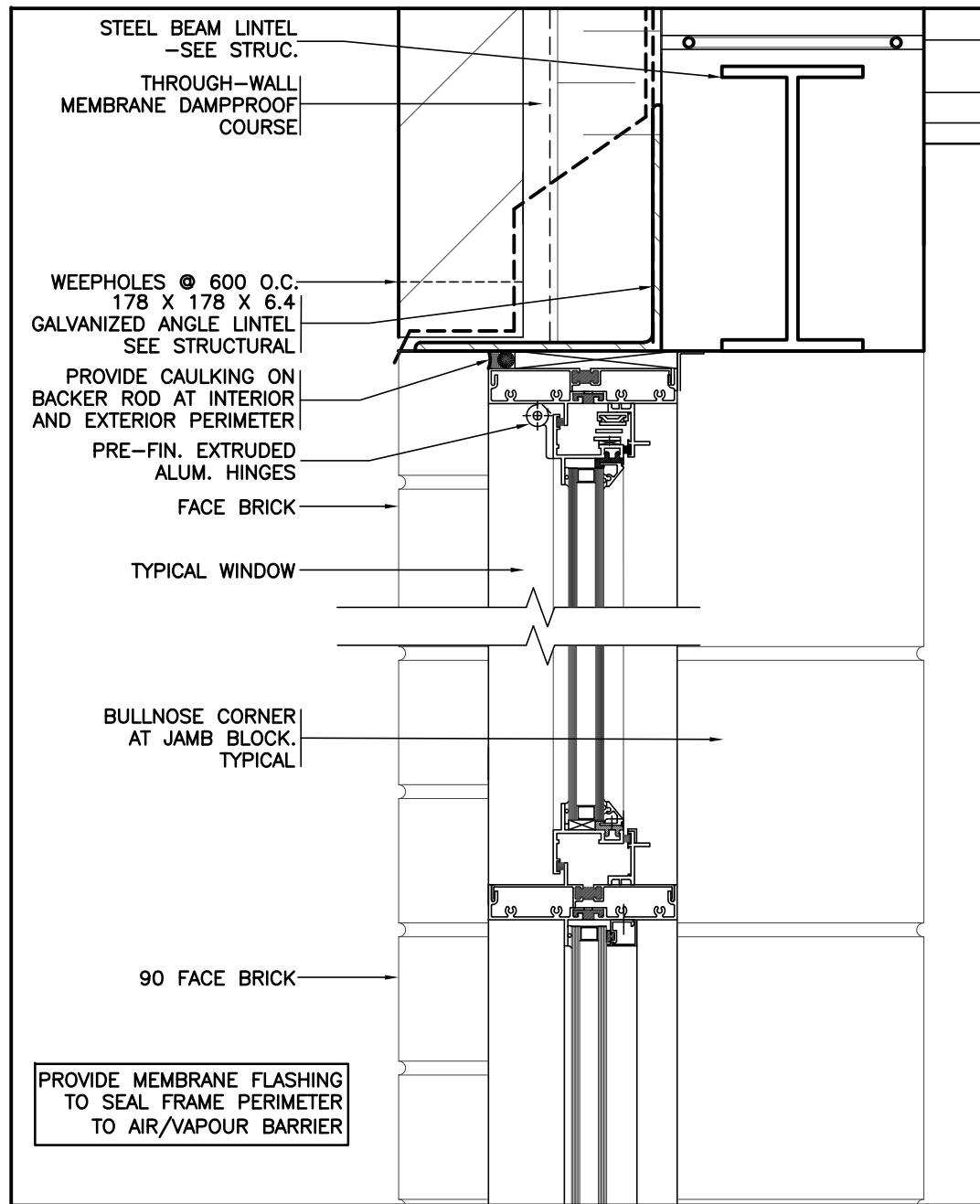
Title:
SECTIONS AND DETAILS

Drawn by: C.C.	Date: OCTOBER 2025
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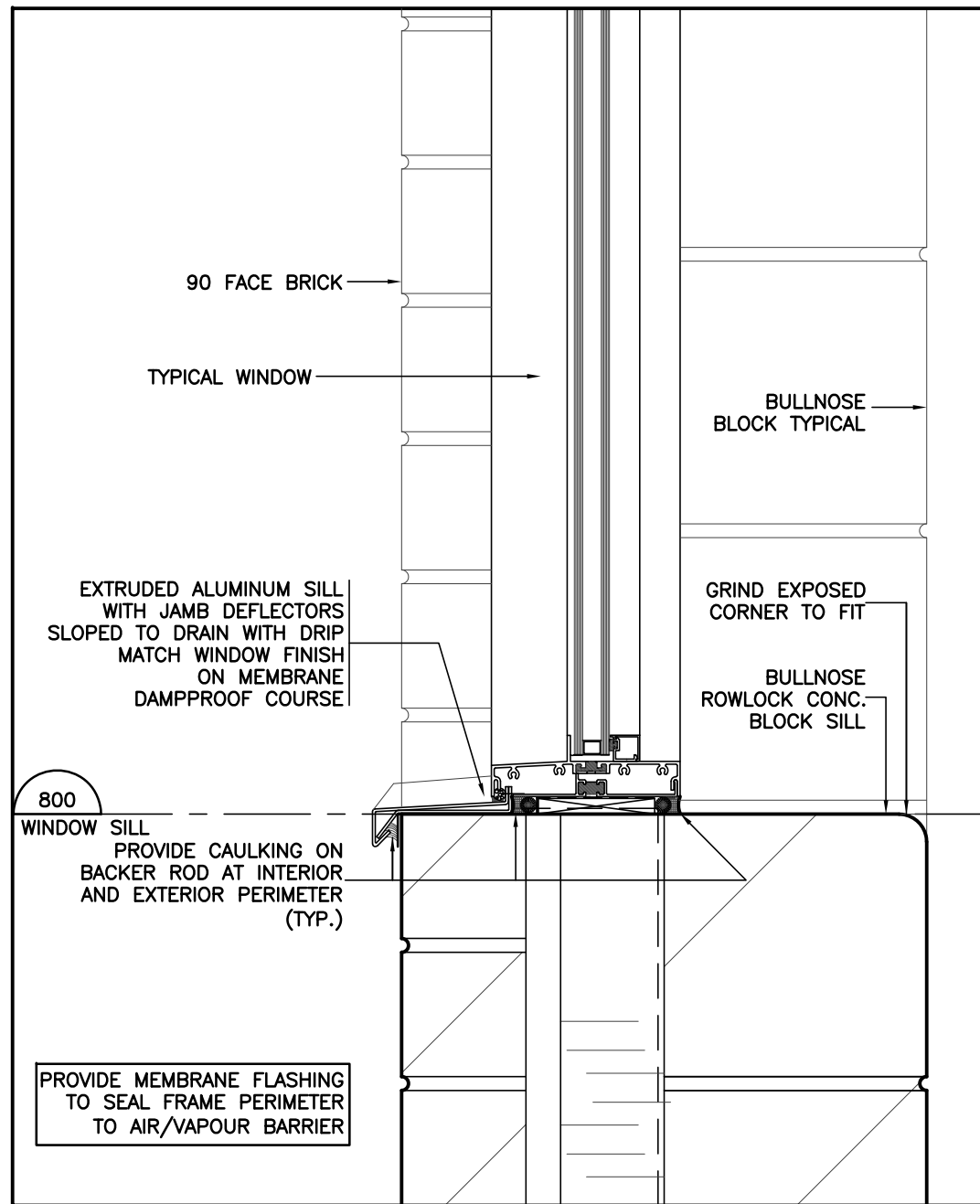
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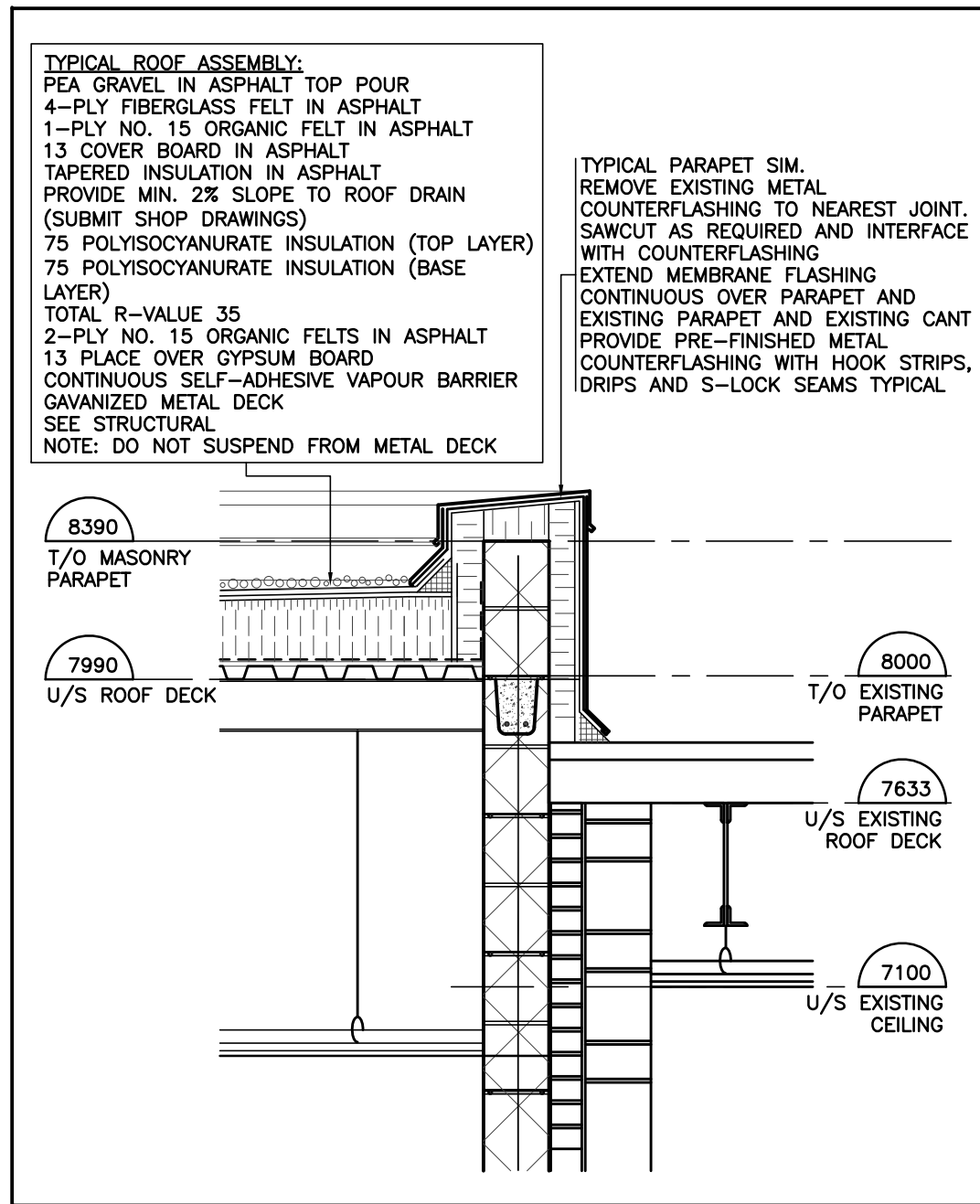
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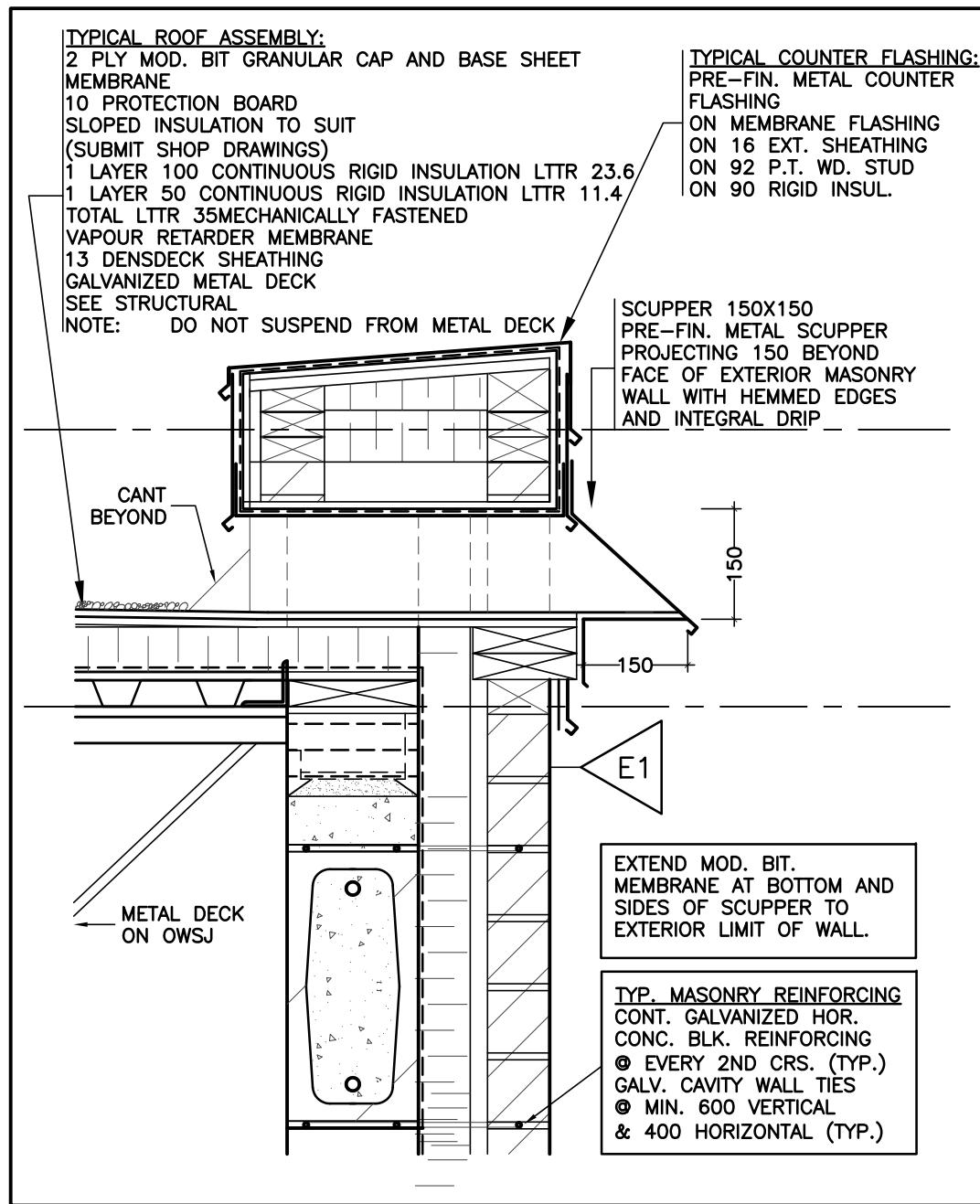
2 TYPICAL WINDOW AT MASONRY SECTION DETAIL 1:5



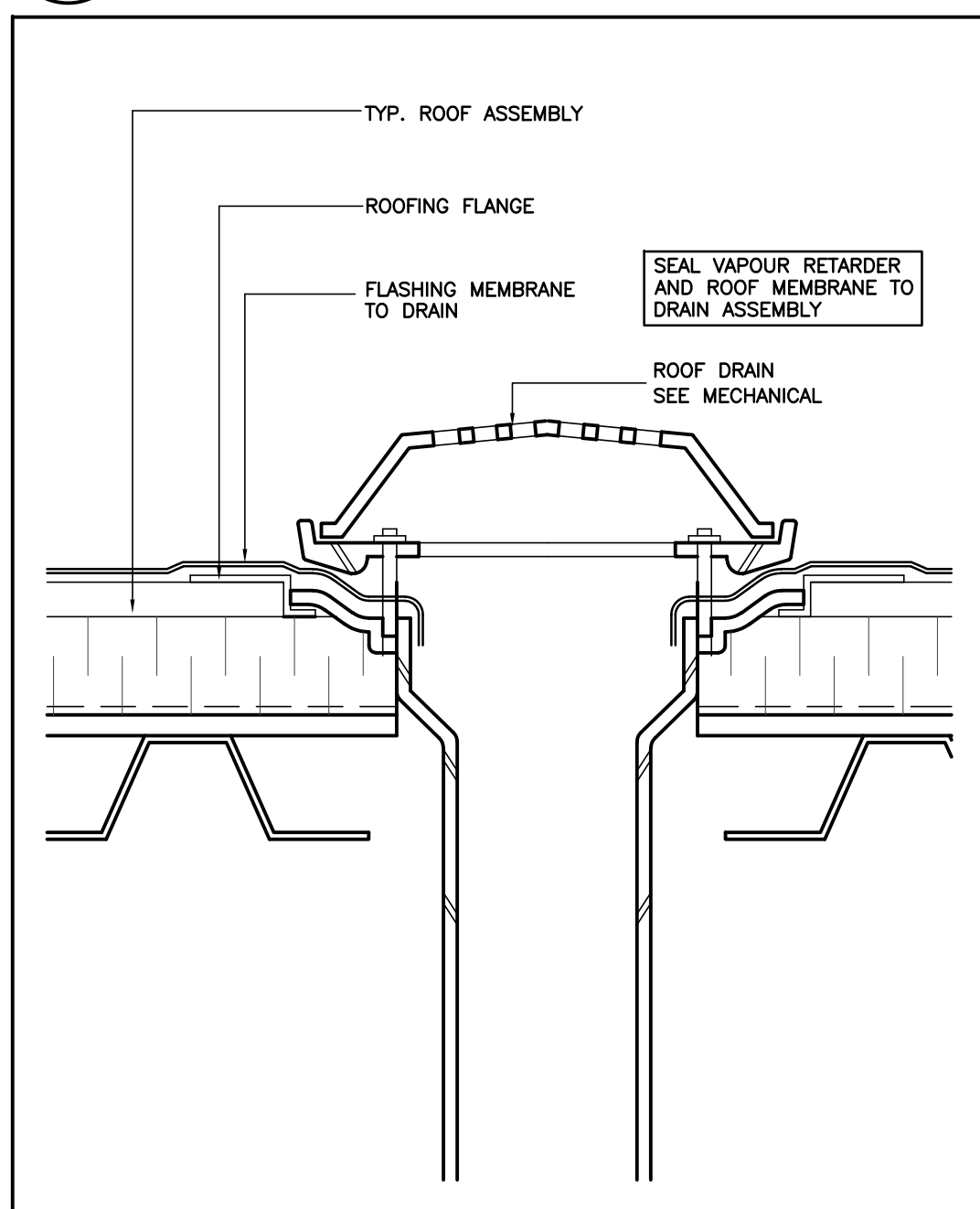
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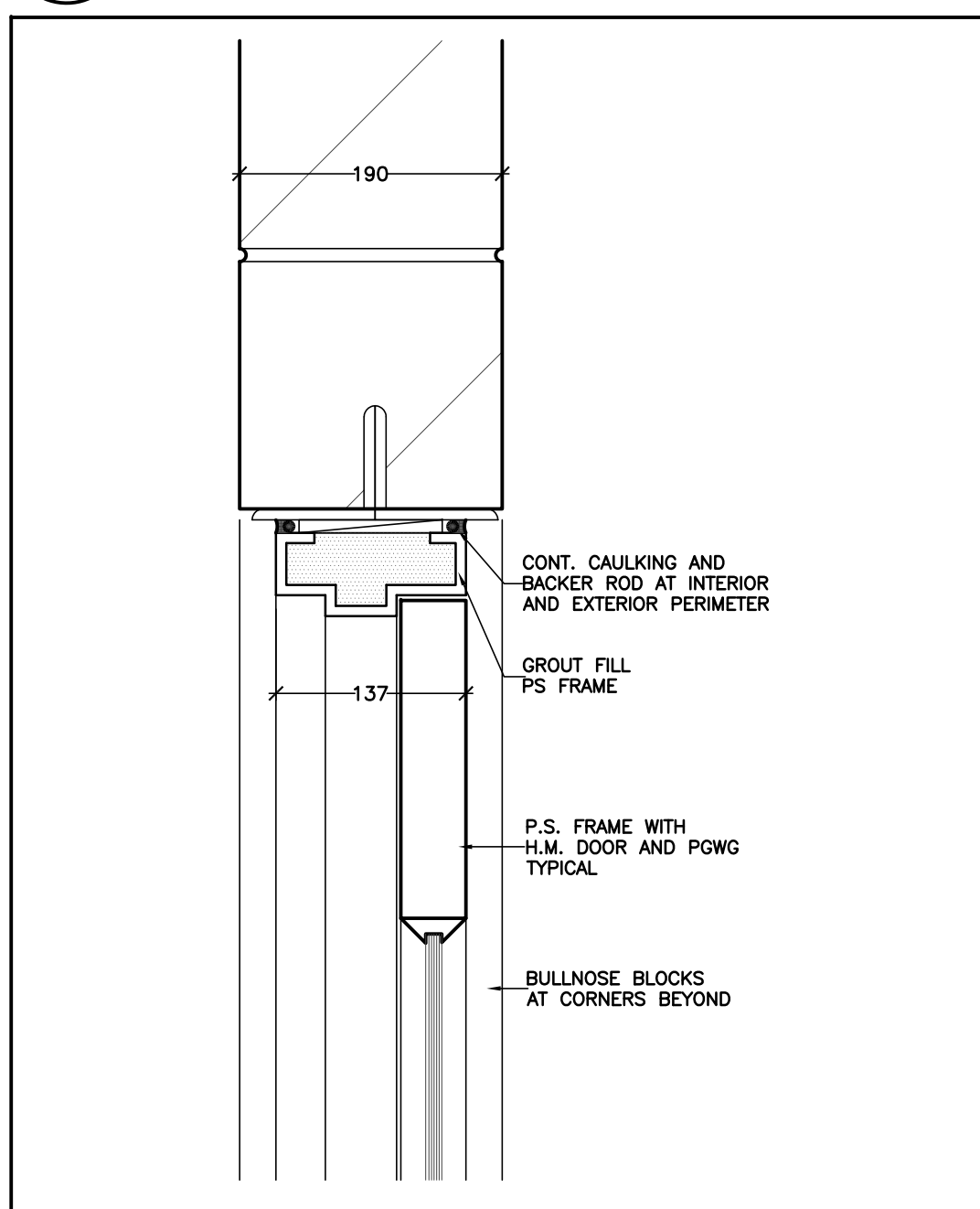
4 WALL TO EXISTING WALL PARAPET SECTION DETAIL 1:20



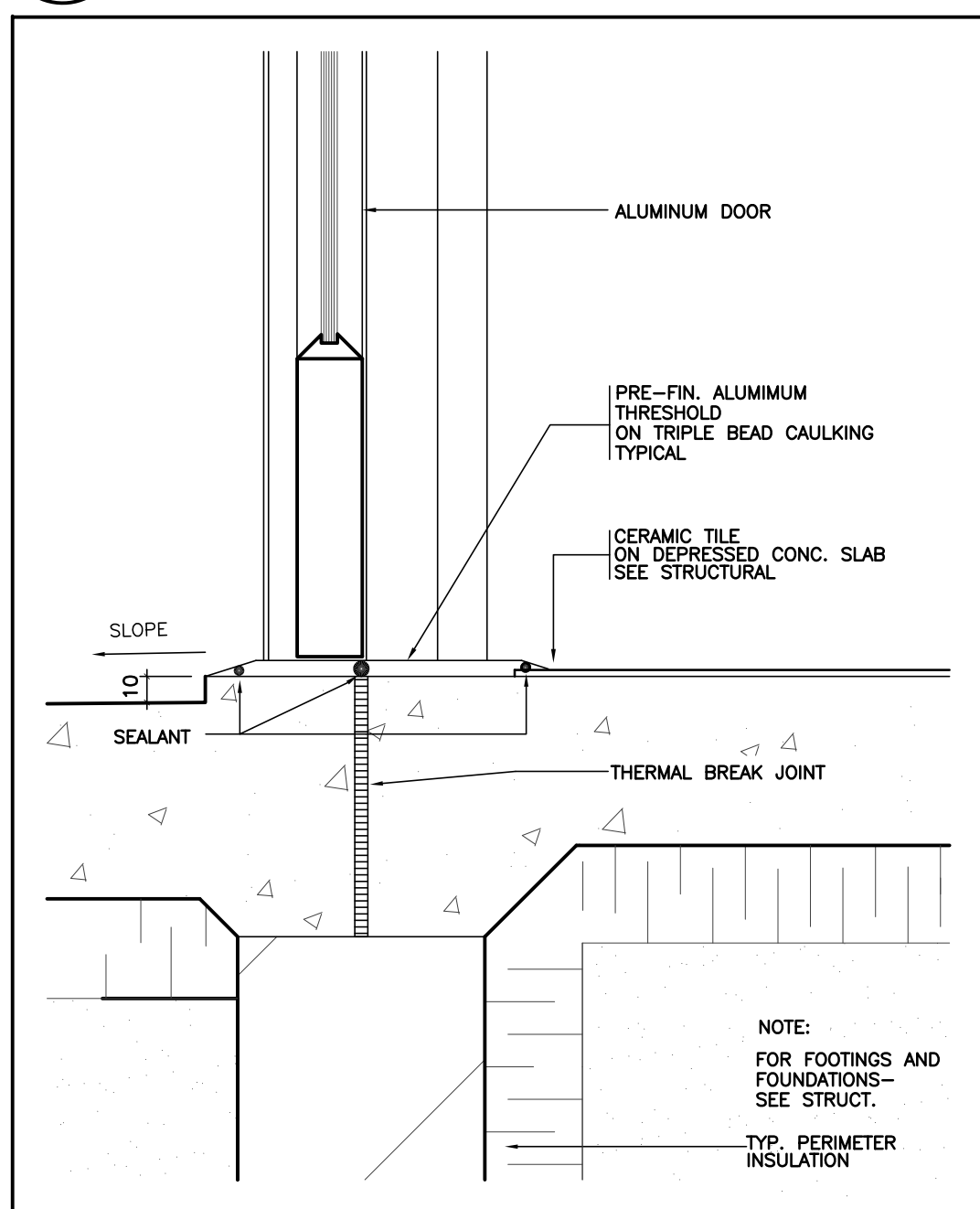
5 TYPICAL SCUPPER DETAIL 1:10



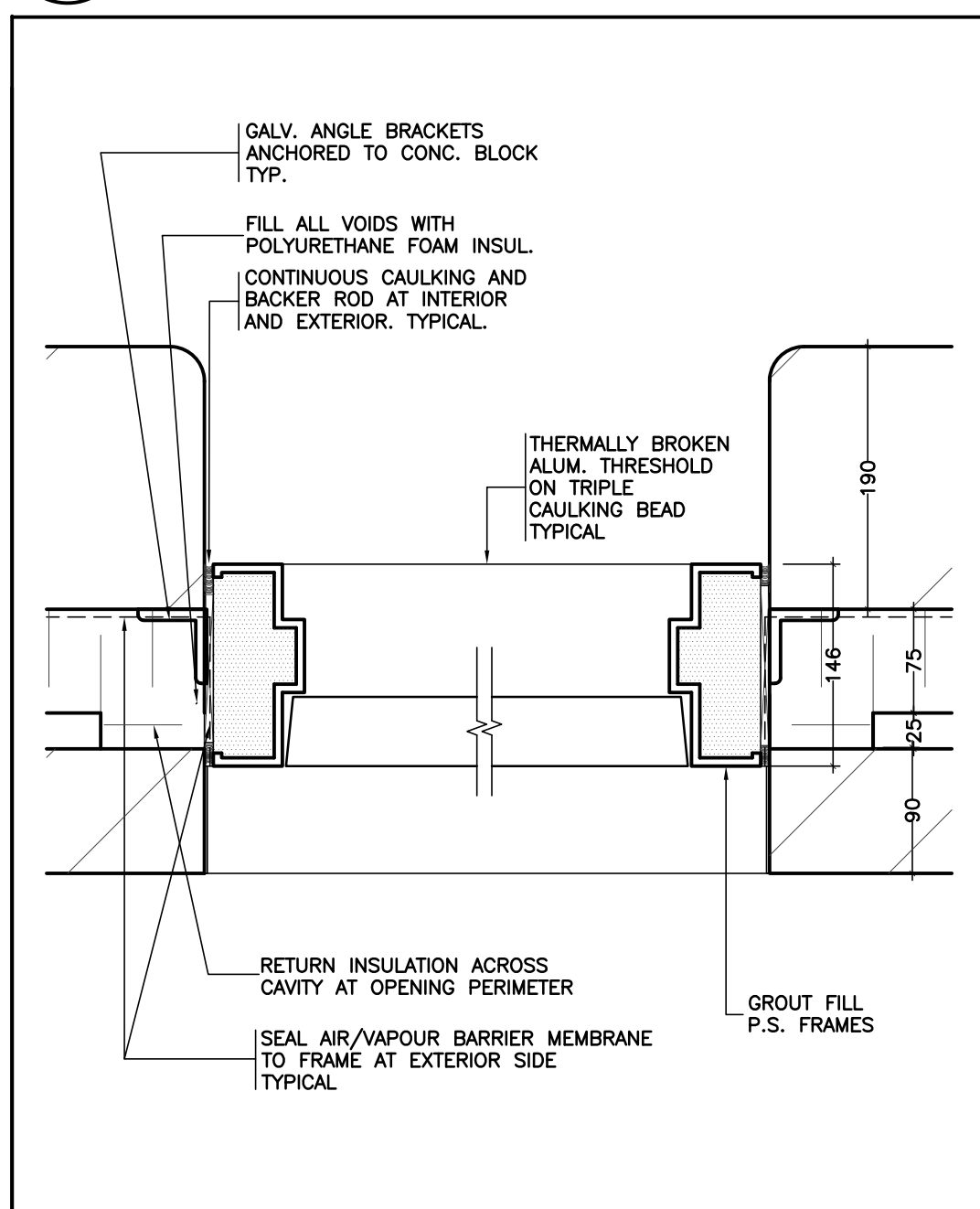
6 TYPICAL ROOF DRAIN DETAIL 1:5



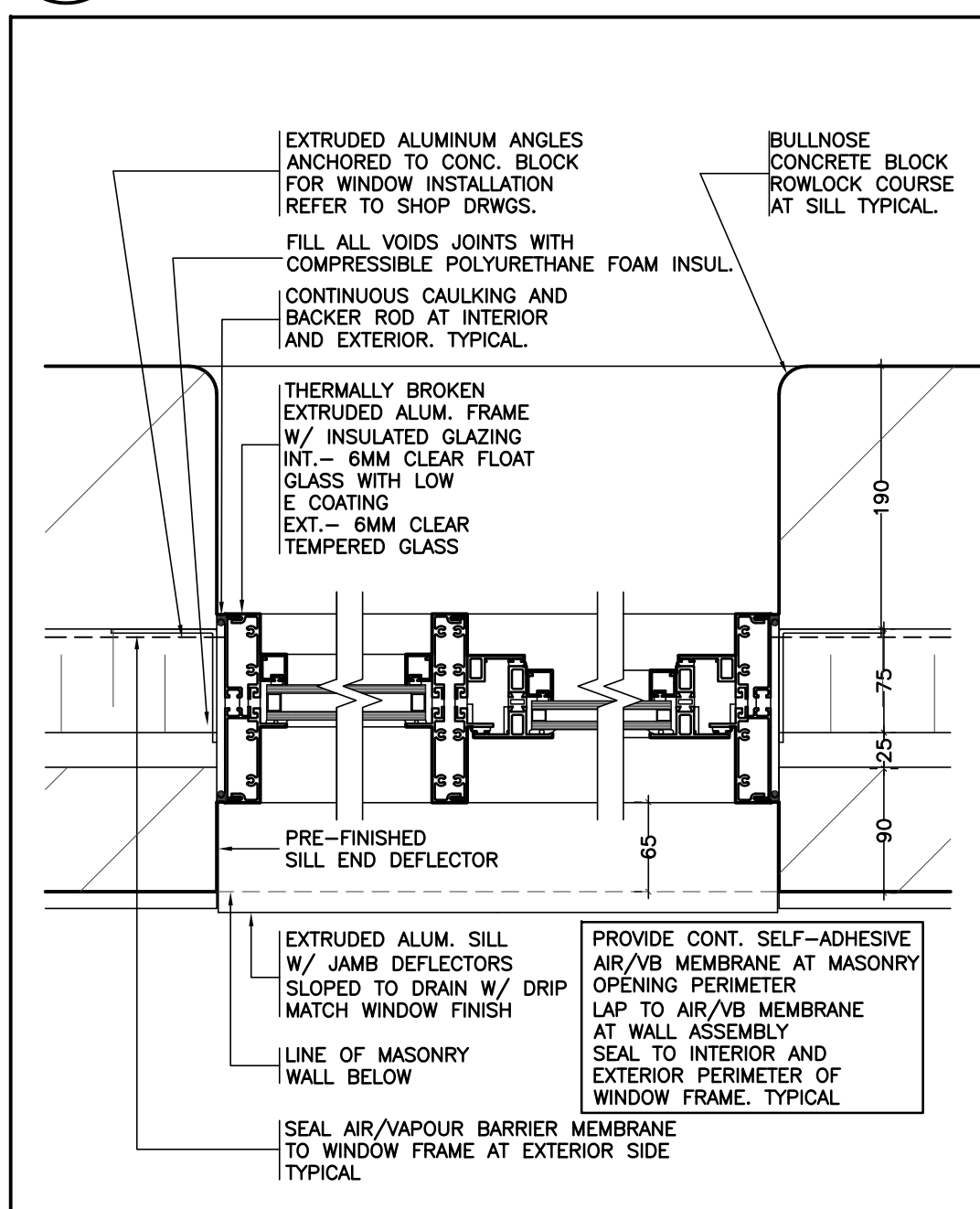
7 TYPICAL INTERIOR DOOR HEAD SECTION 1:5



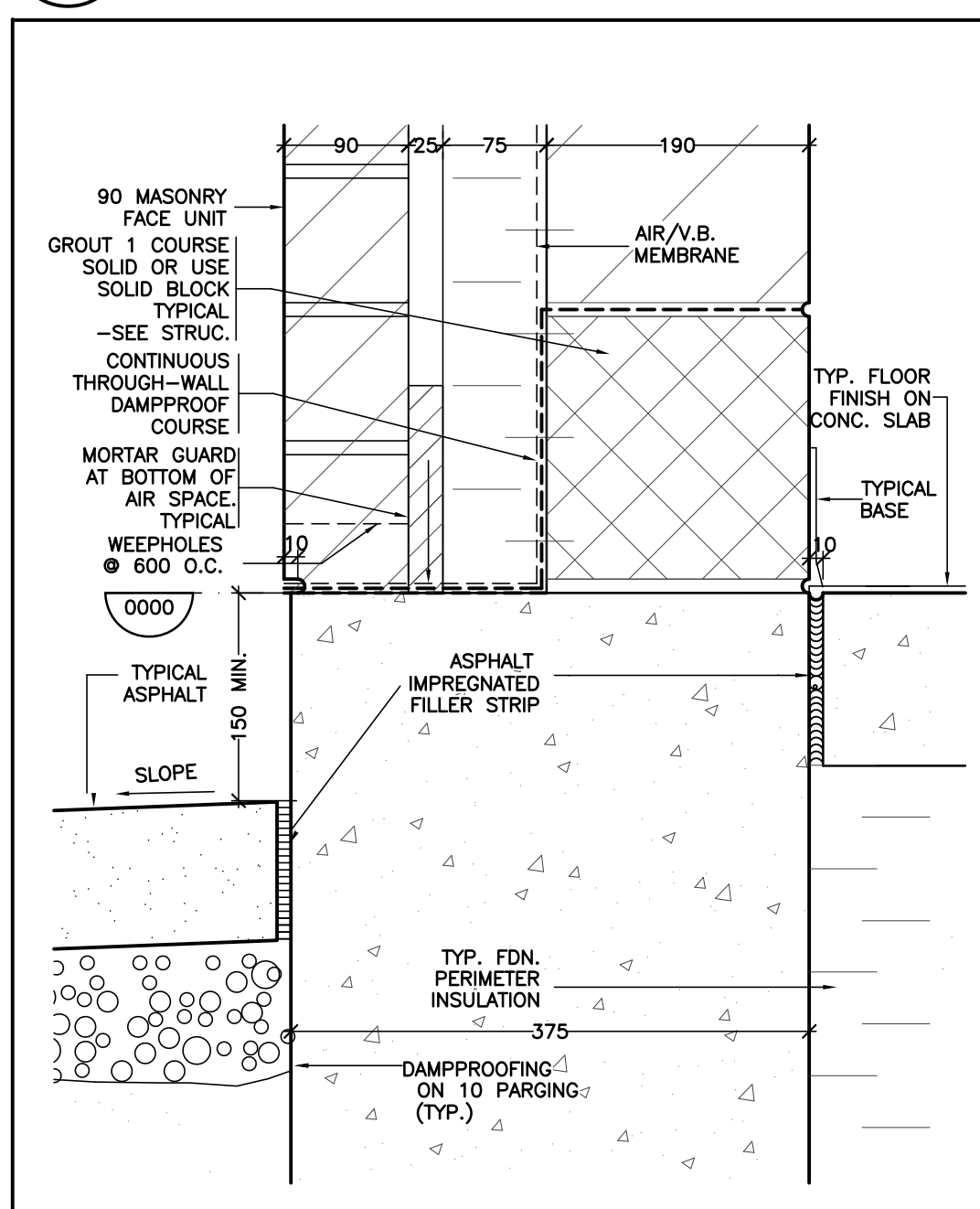
8 TYPICAL EXTERIOR THRESHOLD SECTION 1:5



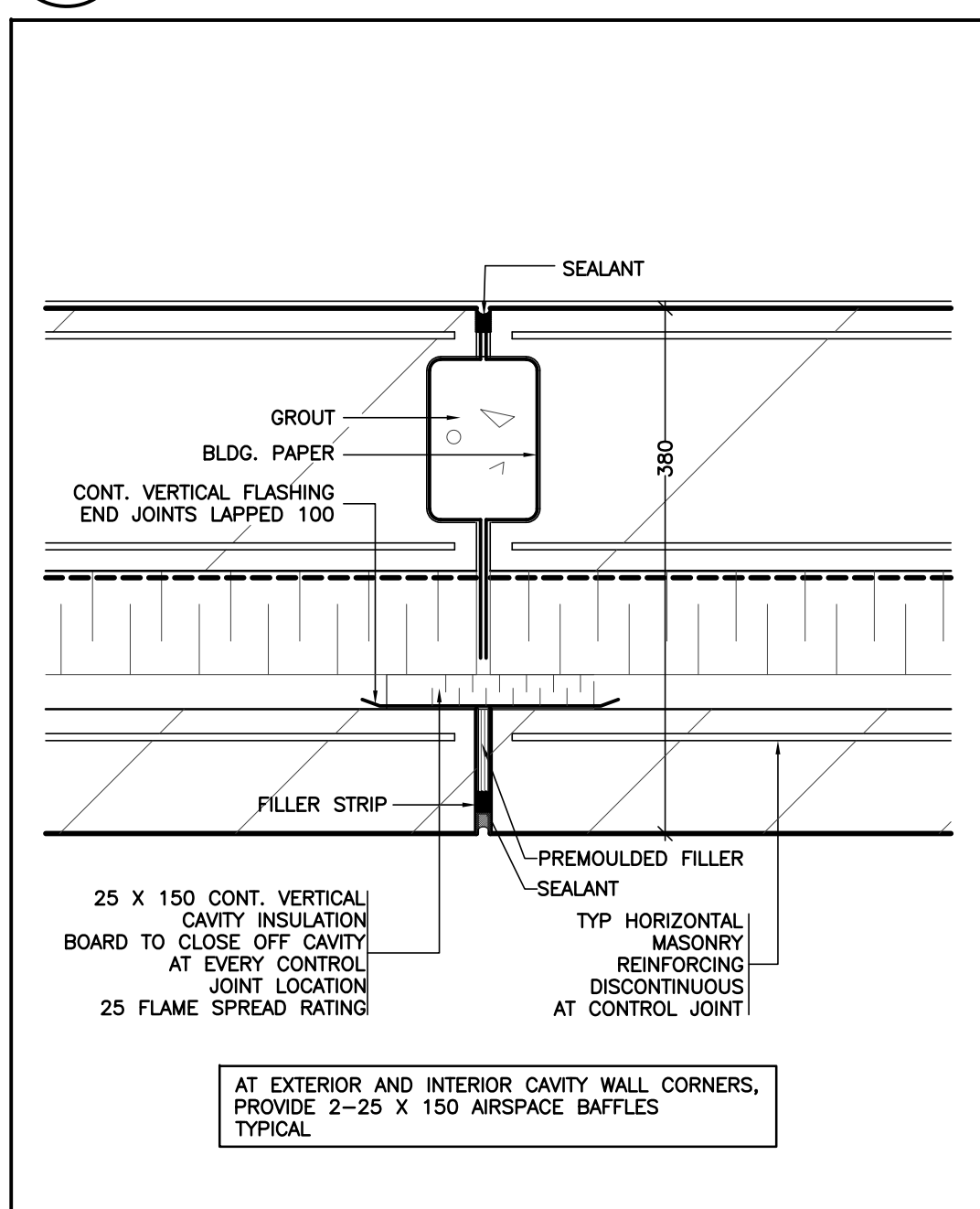
9 DOOR JAMB AT CAVITY WALL PLAN DETAIL 1:5



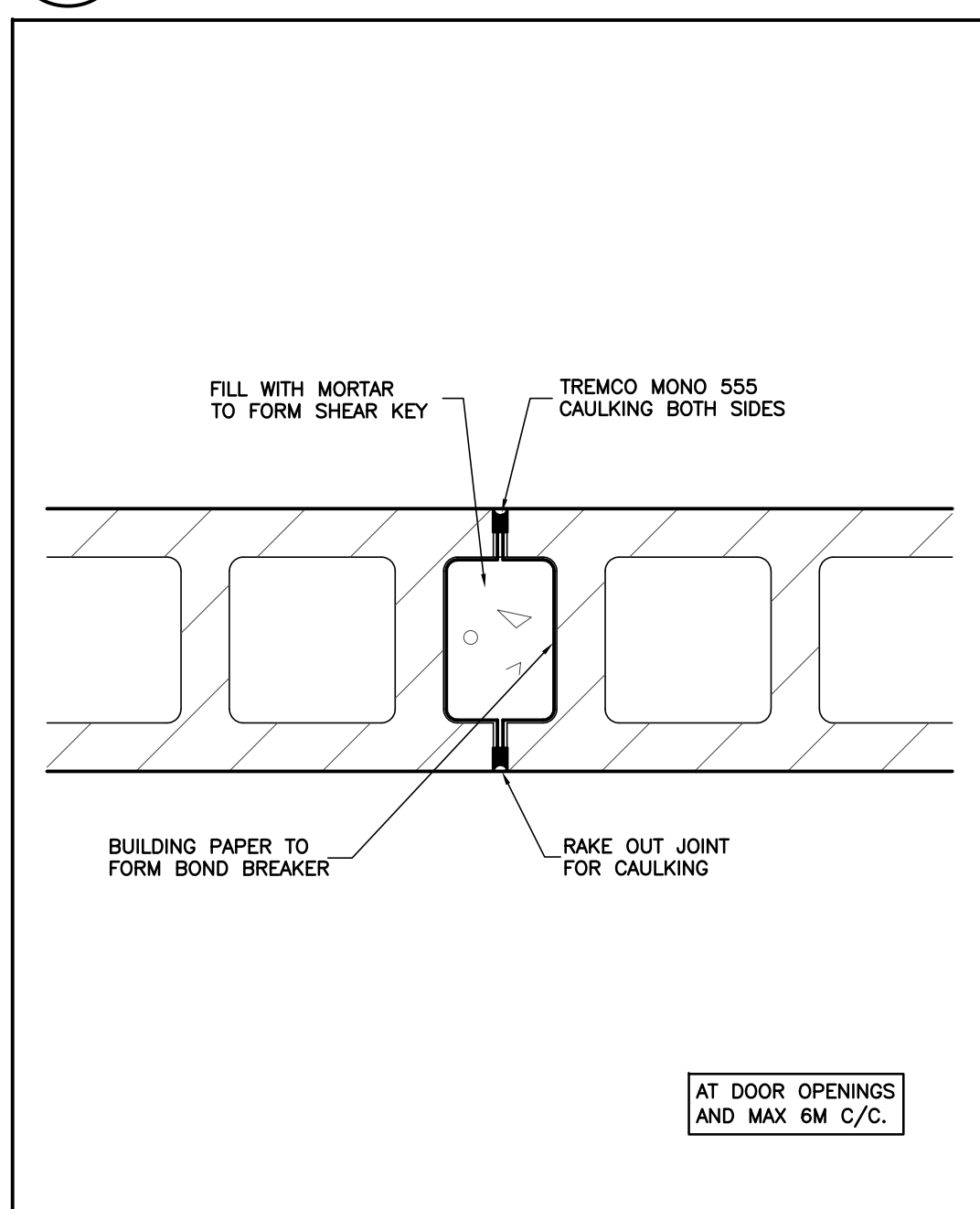
10 WINDOW JAMB AT MASONRY PLAN DETAIL 1:5



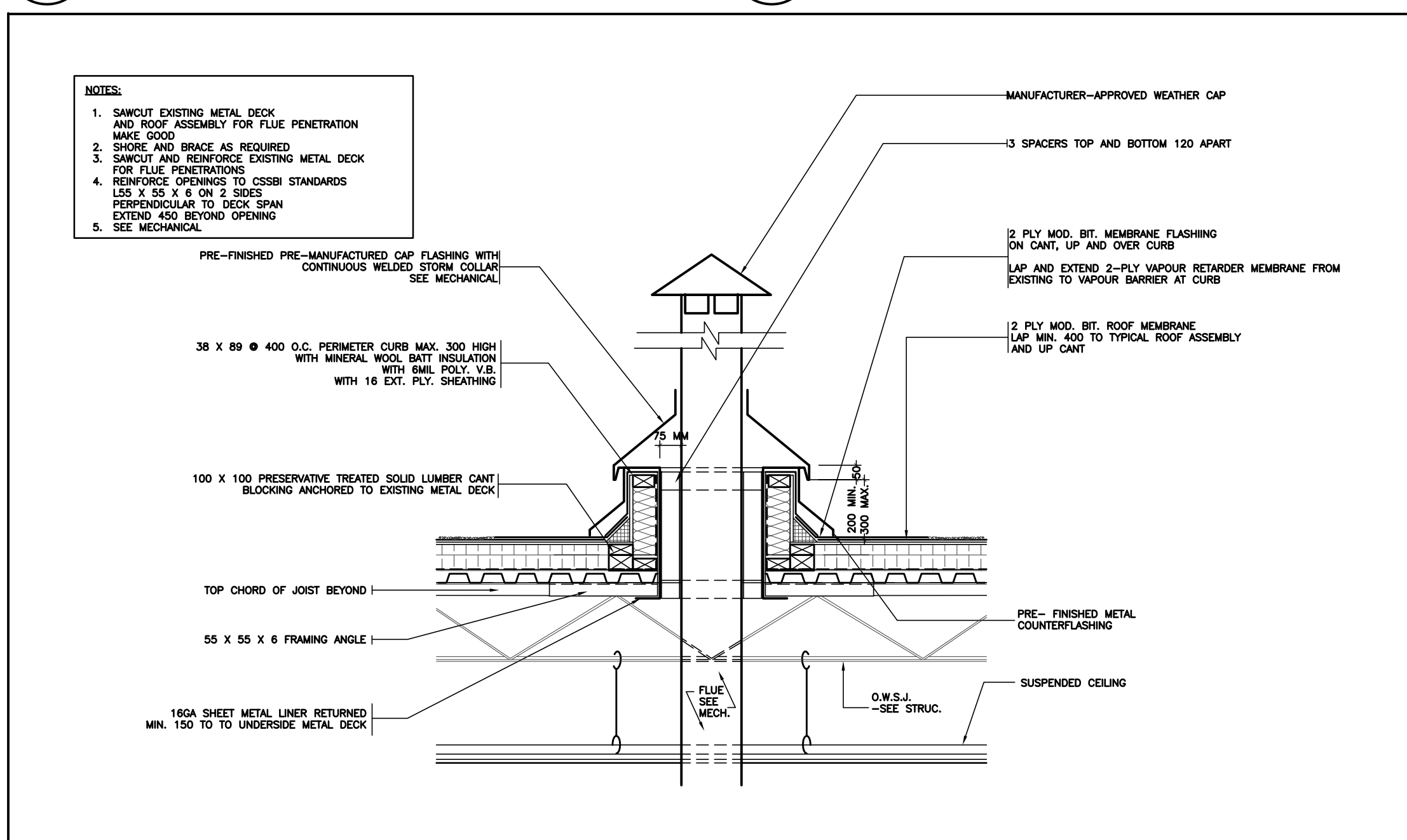
11 TYPICAL FOUNDATION DETAIL 1:5



12 TYPICAL CONTROL JOINT PLAN DETAIL 1:5



13 CONTROL JOINT FOR INT. WALLS PLAN DETAIL 1:5



14 TYPICAL PENETRATION DETAIL 1:20

Revisions				
Ref.	No.	Description	Date	Initial
△		50% SUBMISSION	2026/02/20	
△		CONSULTANTS COORDINATION	2026/03/09	
△		CONSULTANTS COORDINATION	2026/03/27	
△		95% SUBMISSION	2026/04/23	
△		ISSUED FOR PERMIT & TENDER	2026/06/10	

Project:
KING'S ROAD PS
ACCESSIBILITY UPGRADES
660 GREENWOOD DRIVE
BURLINGTON, ON L7T 3P3



82 Bellagio Crescent
Vaughan, Ontario, Canada L4K 5K7
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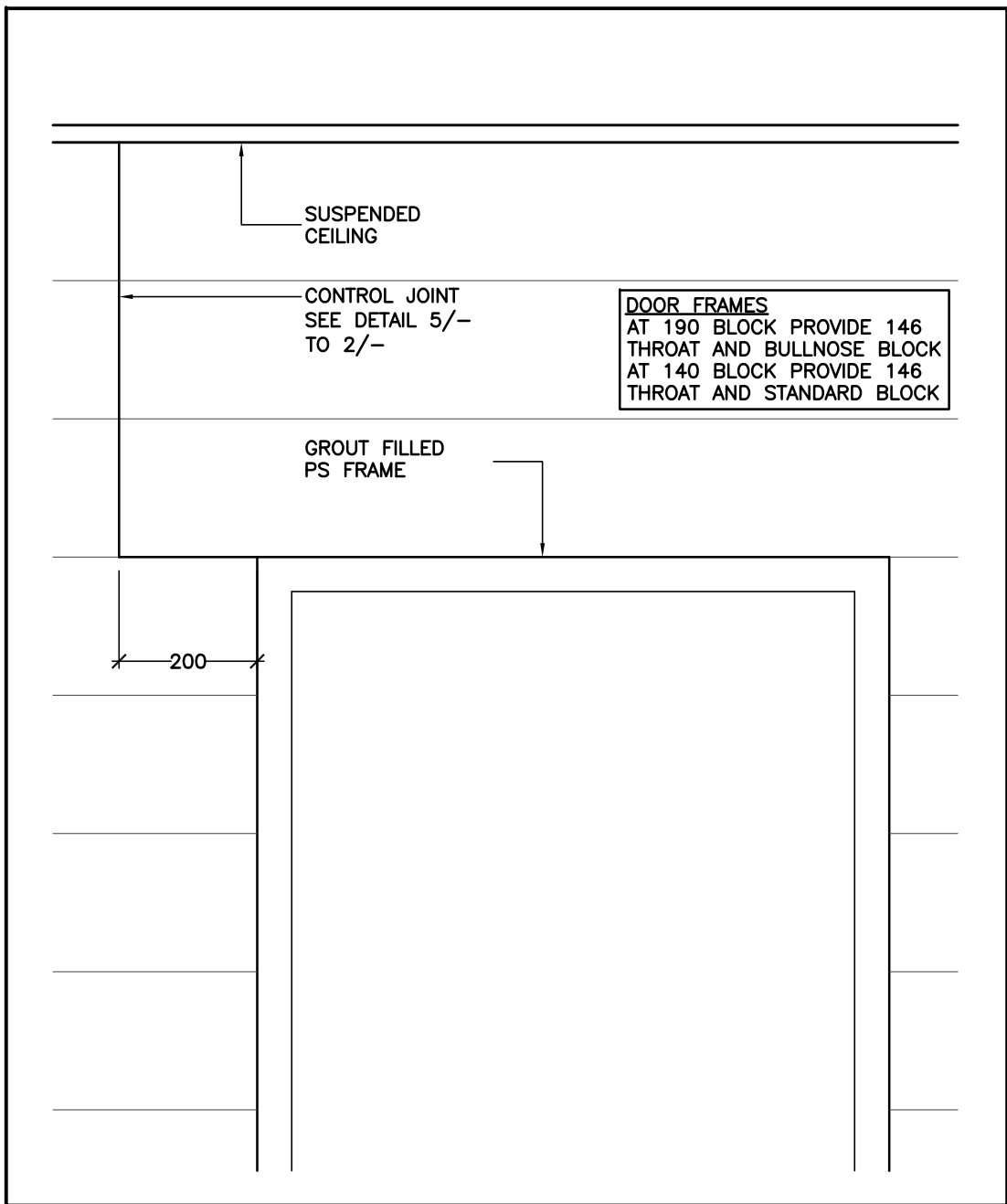


Consultant:

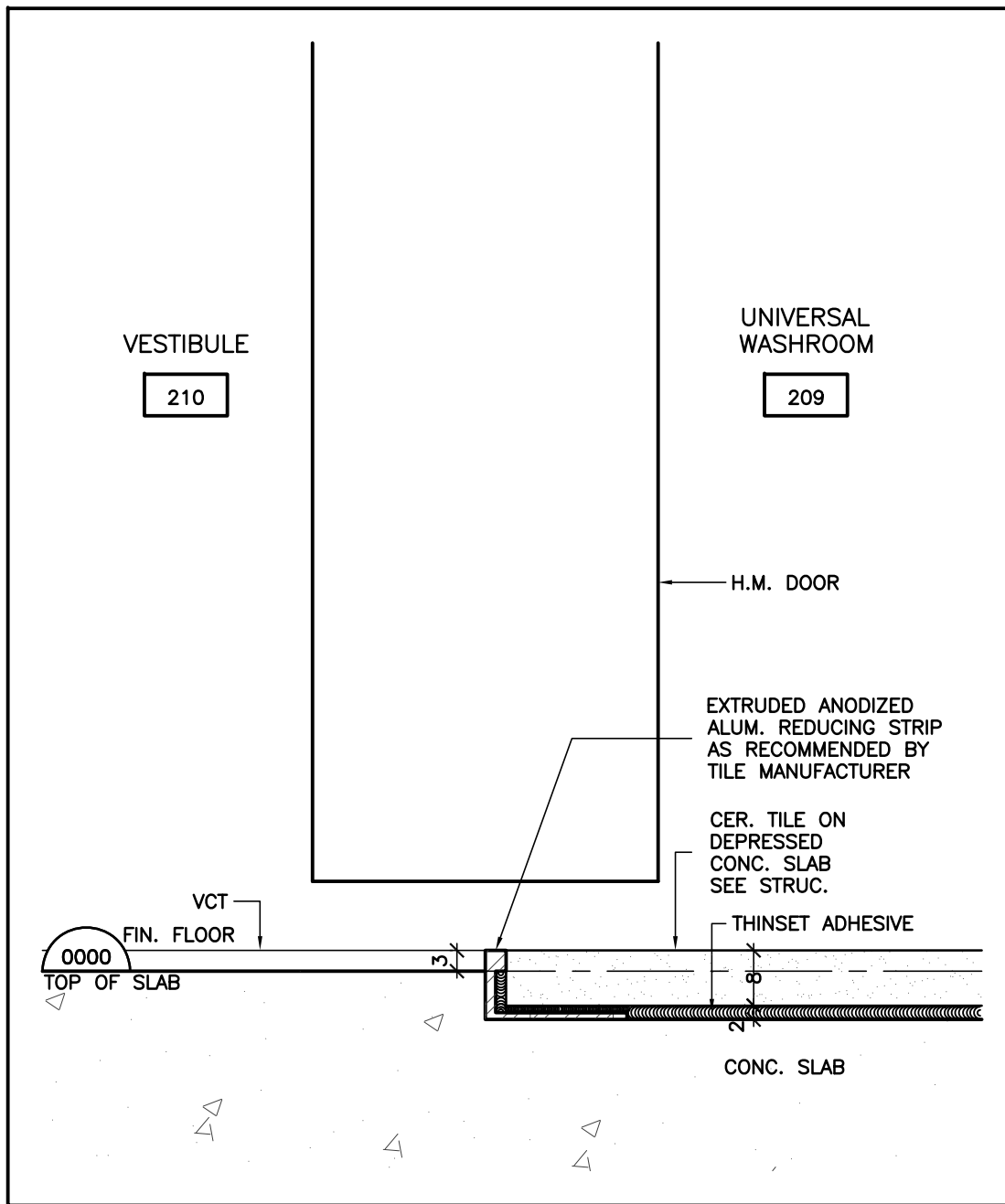
Title:
SECTIONS AND DETAILS

Drawn by: C.C.	Date: OCTOBER 2025
Checked by: P.L.	Plotted:
Scale: AS SHOWN	Issued:
Job No.: 25115	Drawing No.:

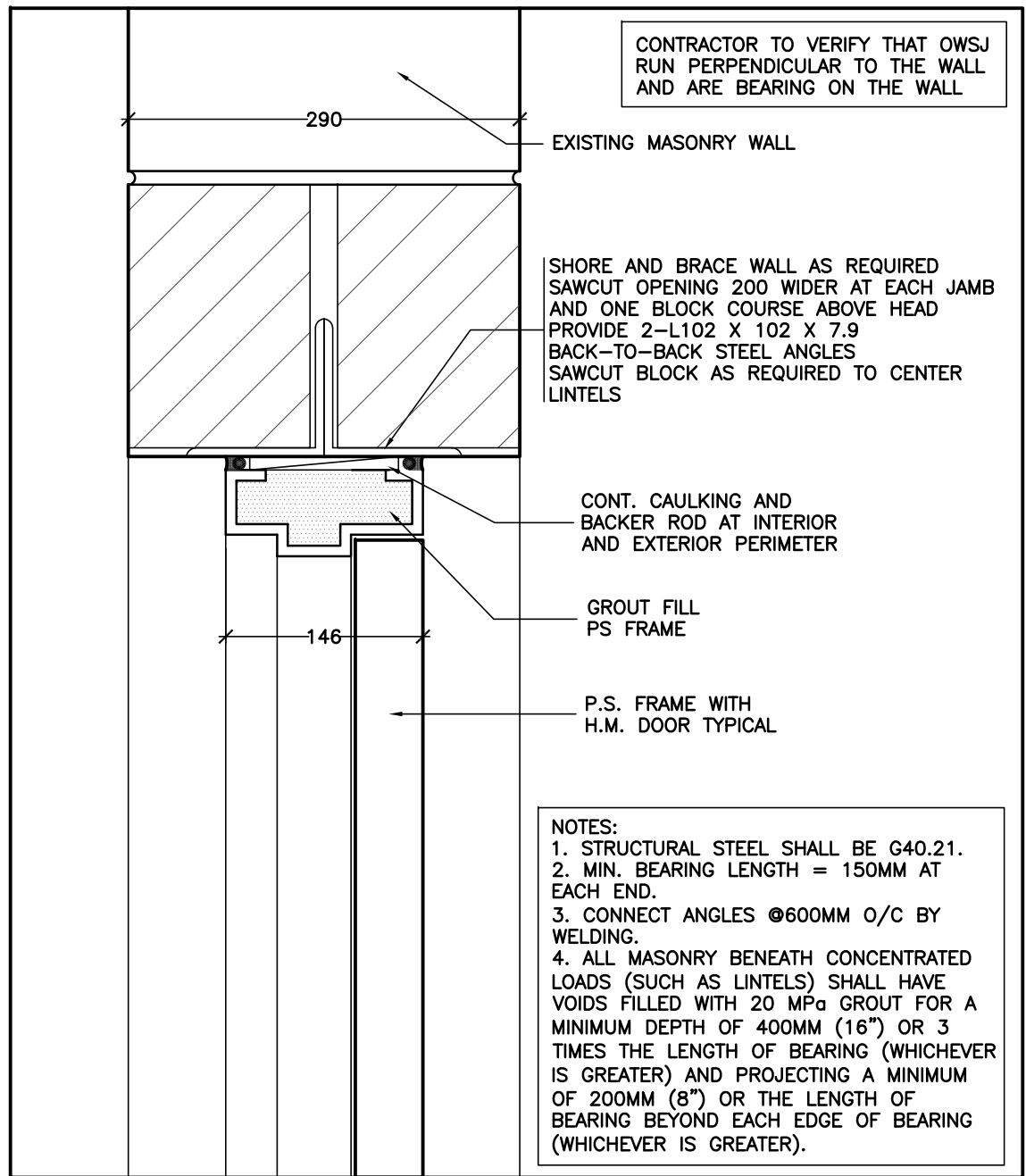
Set No.:
A7
of:



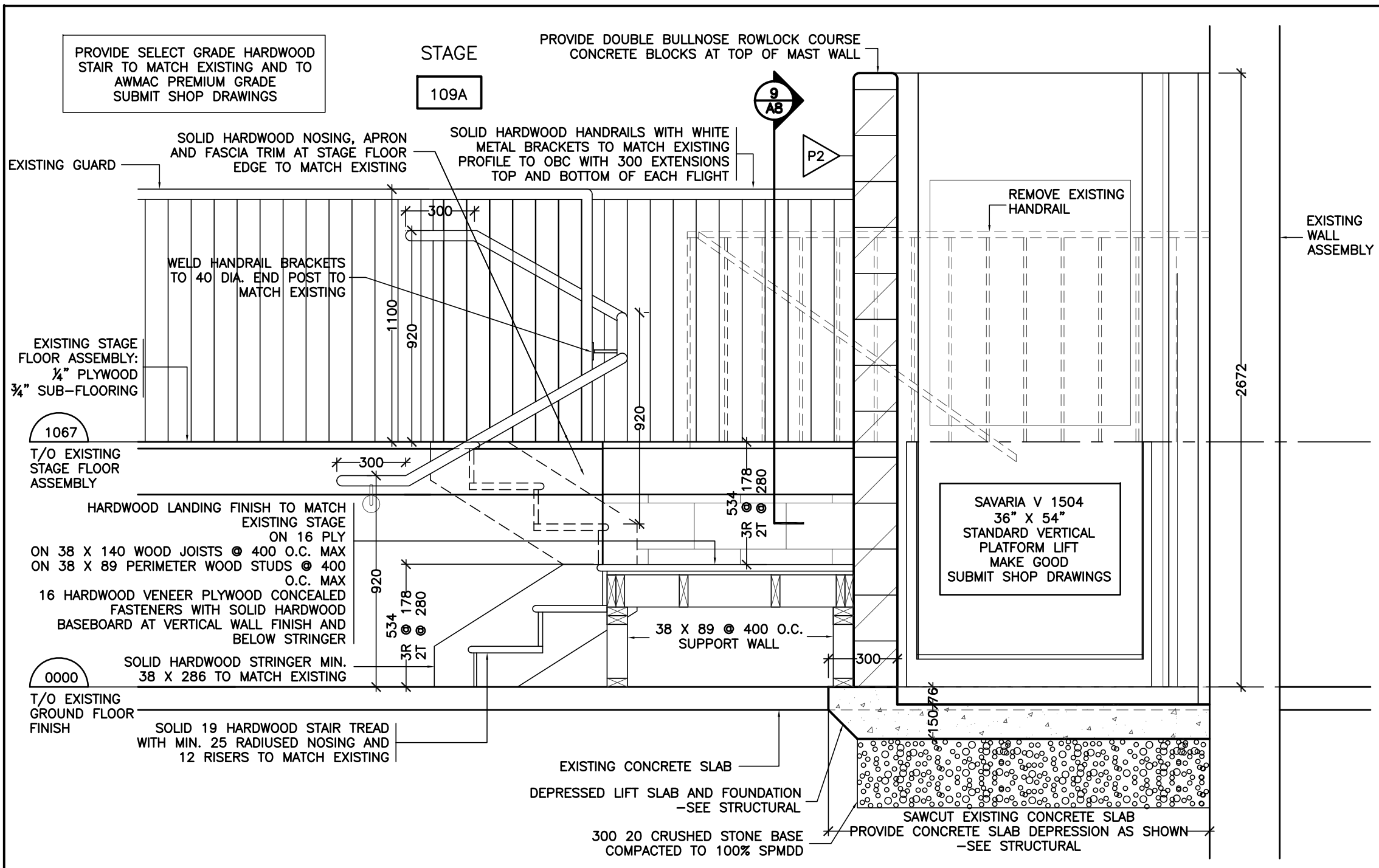
1 INT. WALL CONTROL JOINT
AT DOOR. TYPICAL 1:10



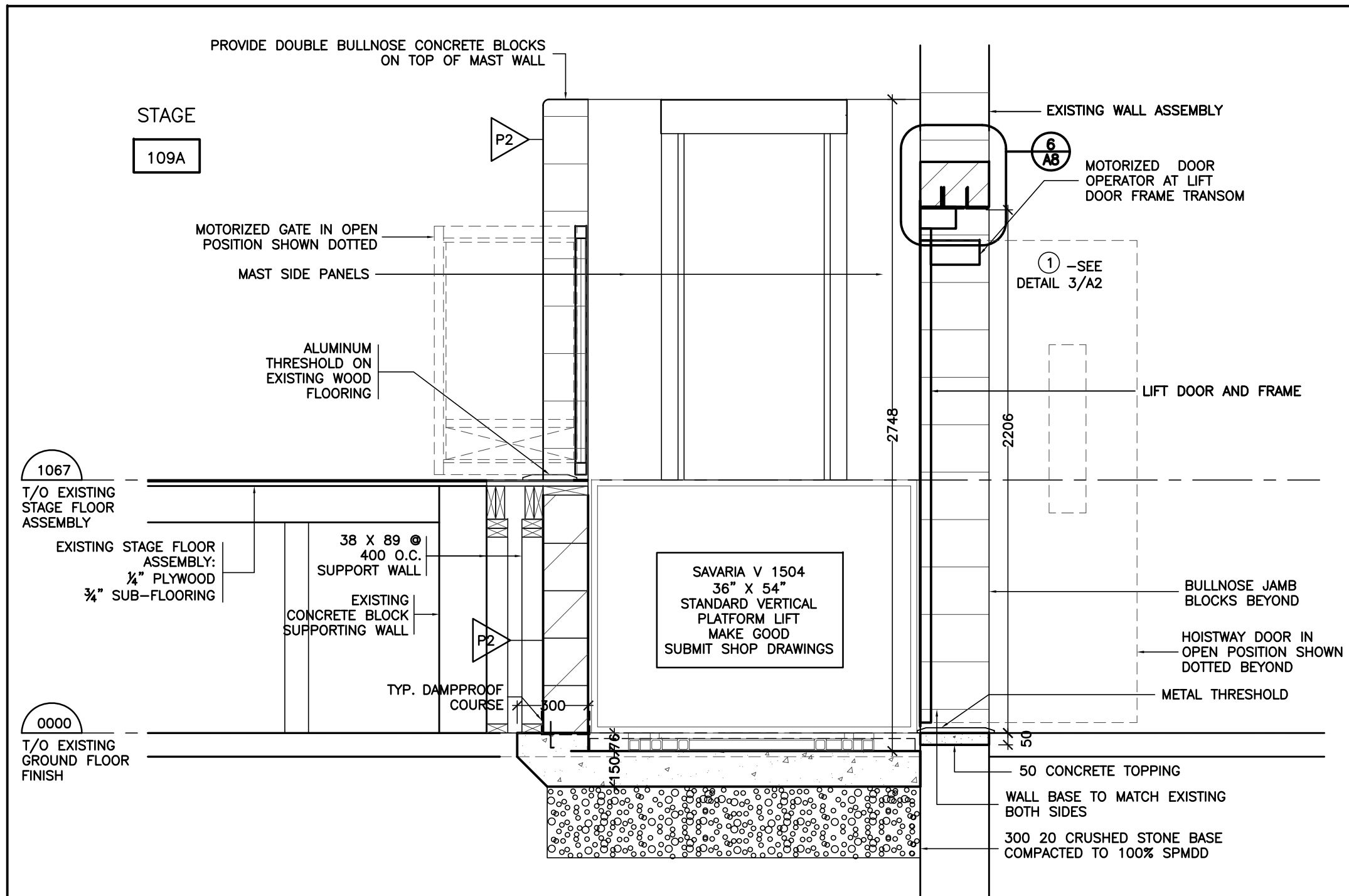
2 CT/VCT FLOOR JOINT
TYPICAL 1:1



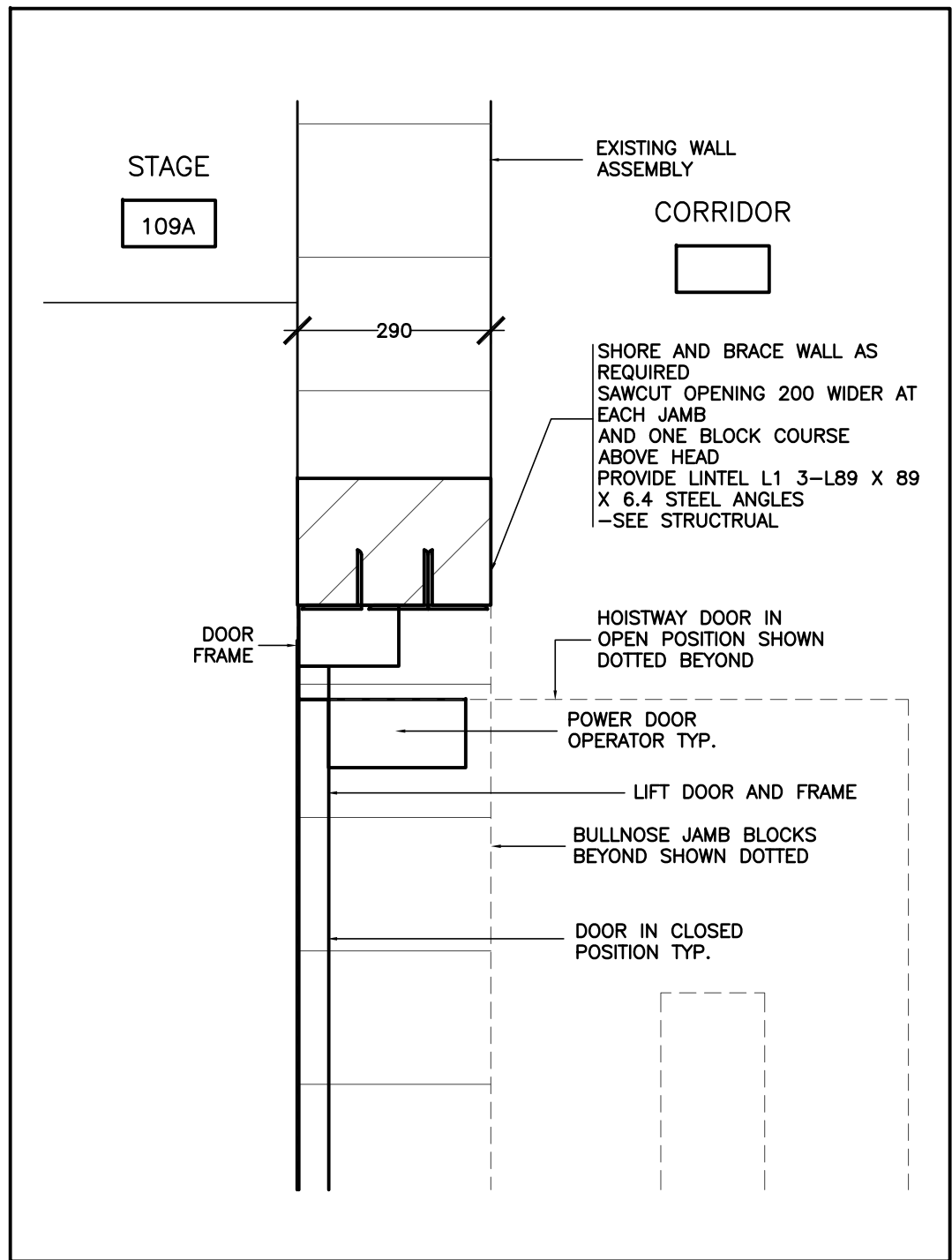
3 MASONRY OPENING DOOR HEAD
A2 SECTION 1:5



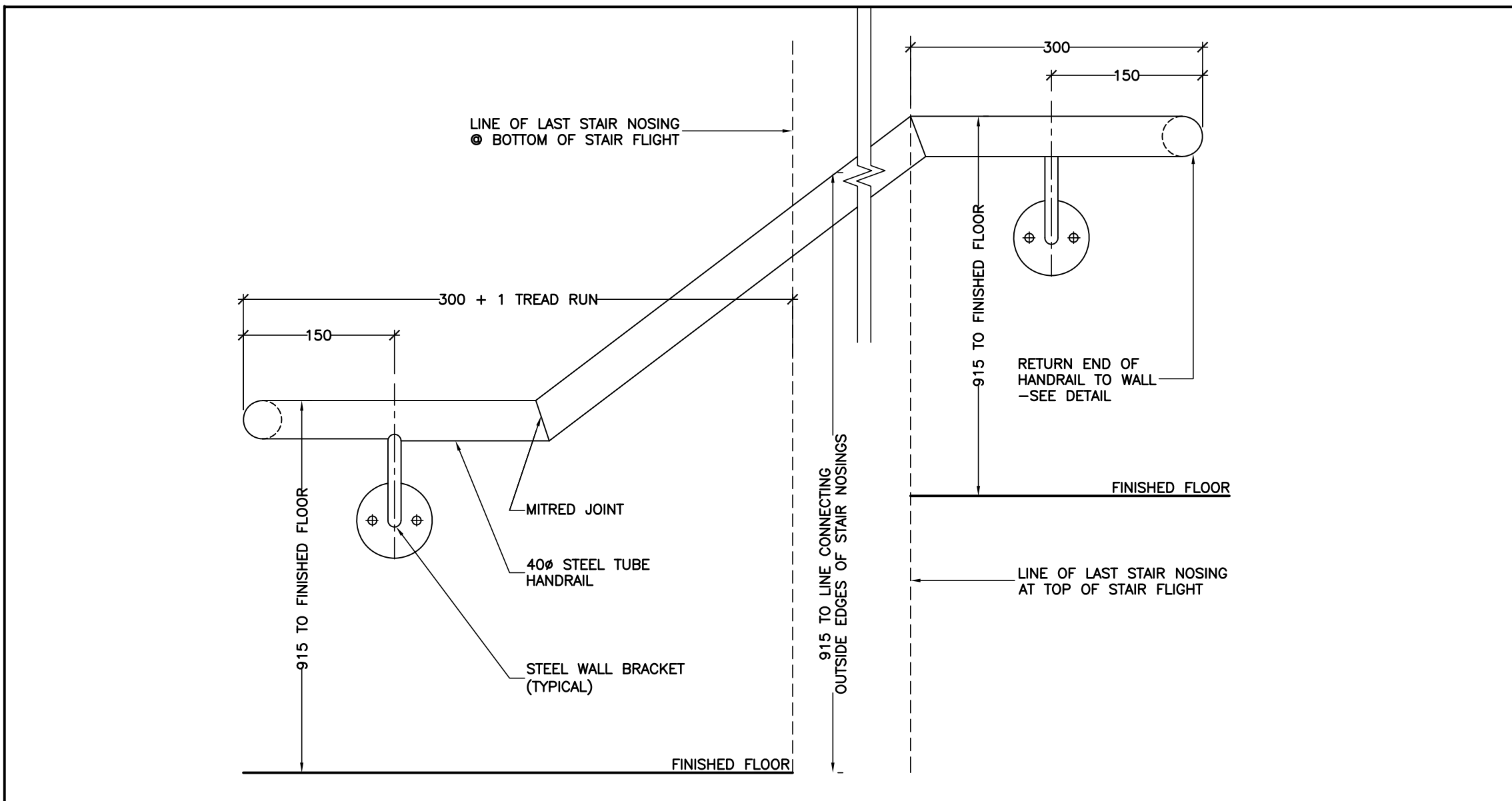
4 VERTICAL PLATFORM LIFT AT EXISTING STAGE
A2 SECTION 1:20



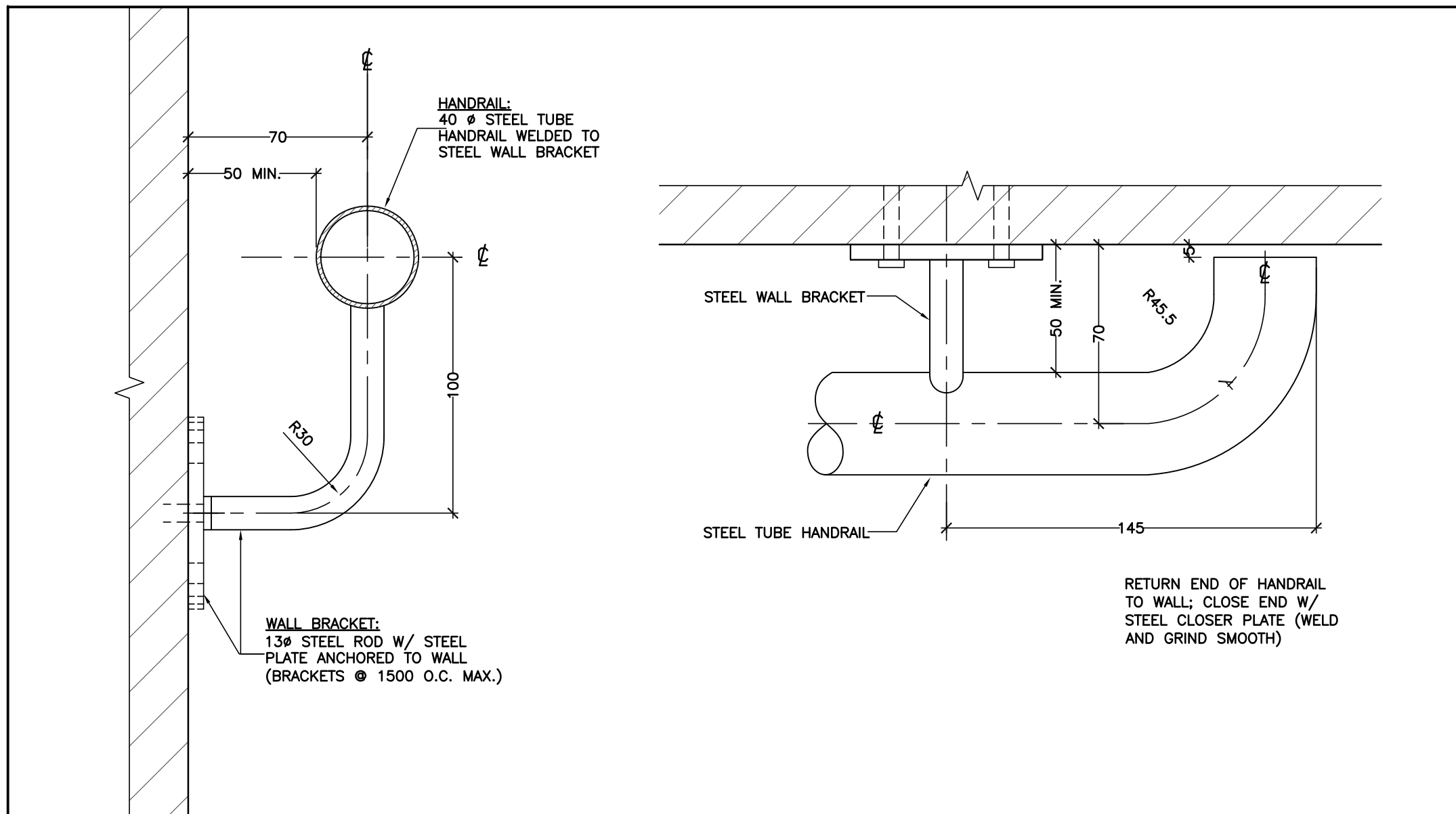
5 VERTICAL PLATFORM LIFT AT EXISTING STAGE
A2 SECTION 1:20



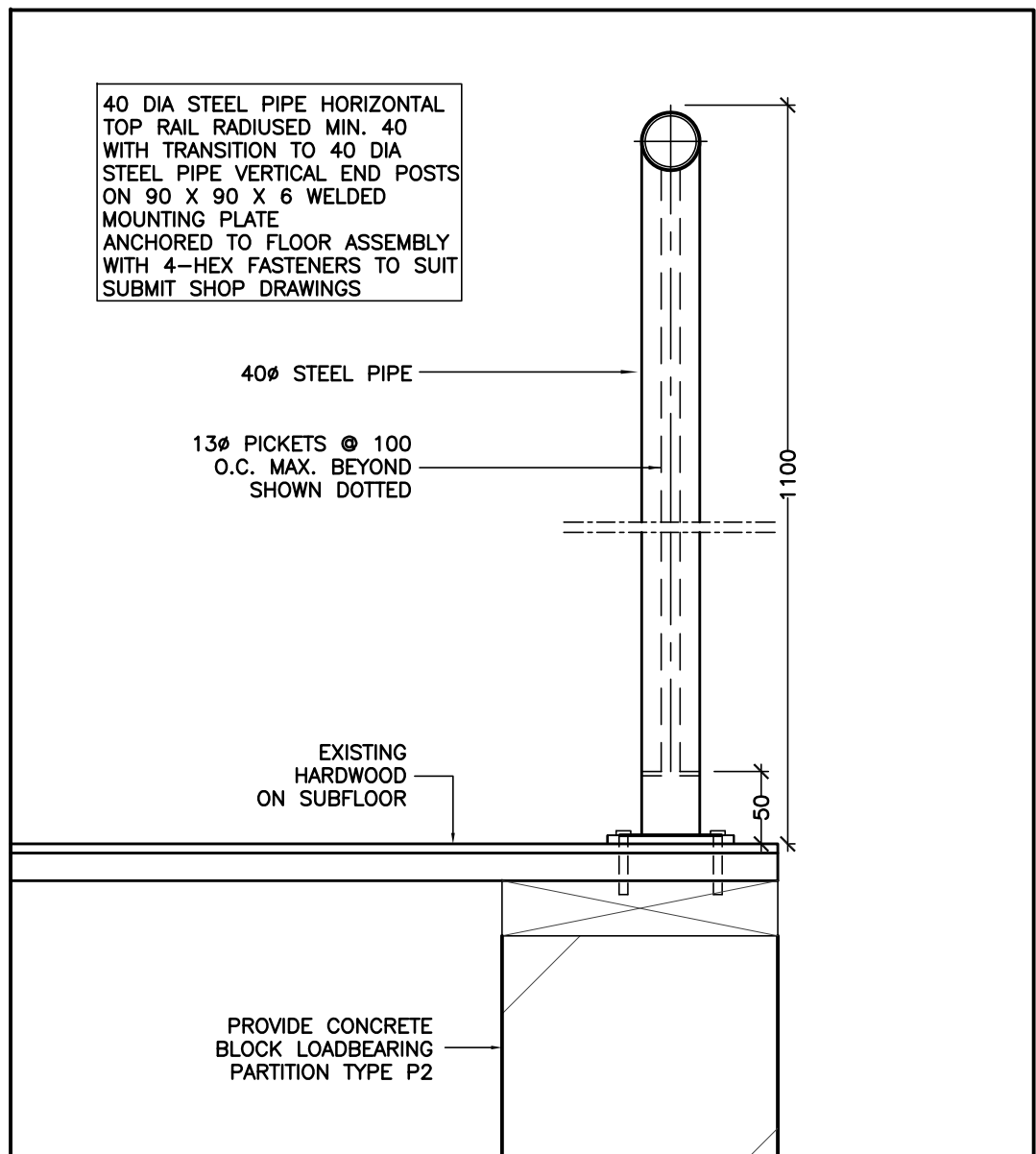
6 MASONRY OPENING HEAD
SECTION 1:10



7 HANDRAIL DETAIL
ELEVATION 1:5



8 TYPICAL HAND RAIL SECTION & PLAN
DETAIL 1:2



9 TYPICAL GUARD
SECTION 1:5

Revisions				
Ref.	No.	Description	Date	Initial
△		CLIENTS REVIEW	2026/01/20	
△		CONSULTANTS COORDINATION	2026/01/21	
△		50% SUBMISSION	2026/02/20	
△		CONSULTANTS COORDINATION	2026/03/09	
△		CONSULTANTS COORDINATION	2026/03/27	
△		CONSULTANTS COORDINATION	2026/04/07	
△		95% SUBMISSION	2026/04/23	
△		ISSUED FOR PERMIT & TENDER	2026/06/10	

Project:
KING'S ROAD PS
ACCESSIBILITY UPGRADES
660 GREENWOOD DRIVE
BURLINGTON, ON L7T 3P3

Lim Architects inc.

82 Bellagio Crescent
Vaughan, Ontario, Canada L4K 5K7
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ONTARIO ASSOCIATION
OF
ARCHITECTS
10-06-2026
MINGPENG LIU
LICENCE
9826

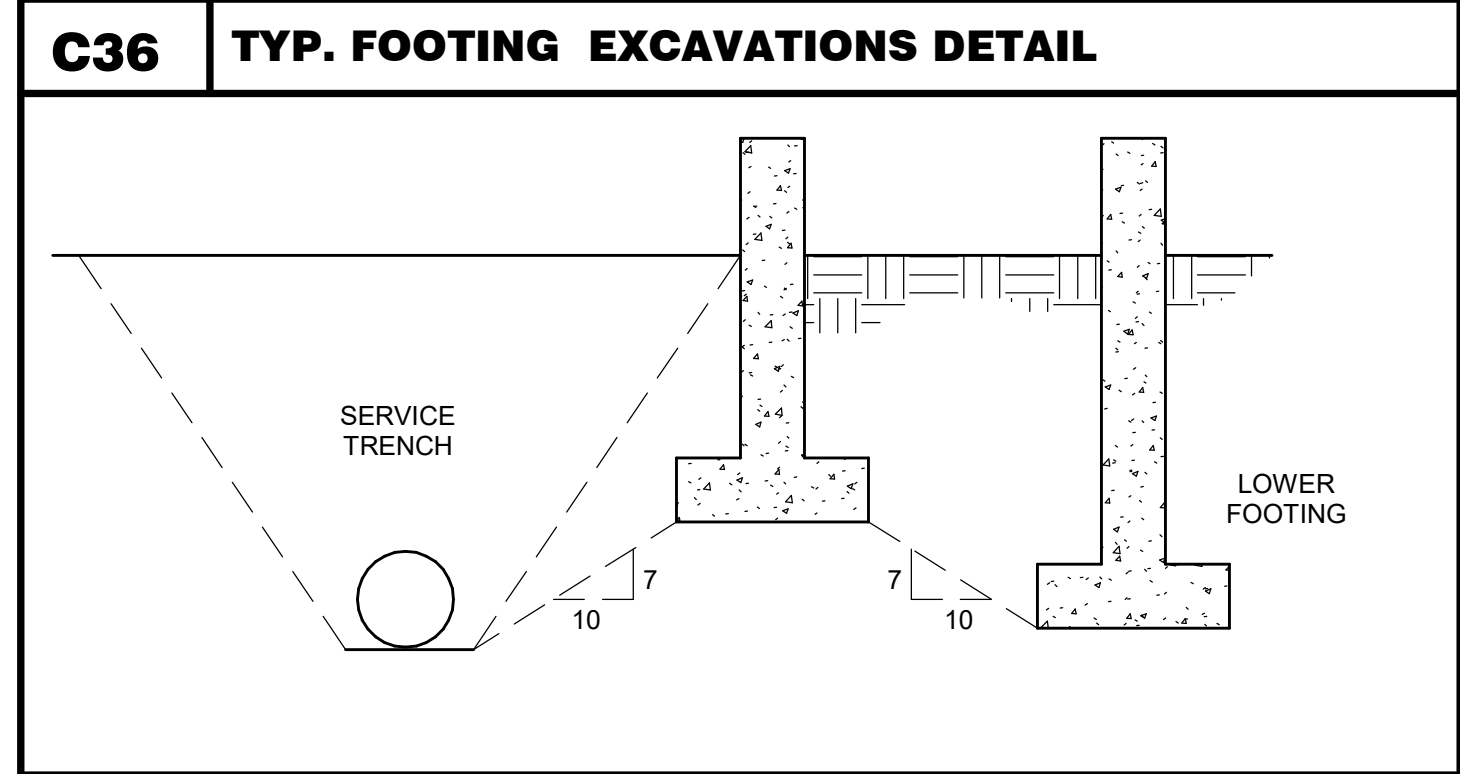
Consultant:

Title:
SECTIONS AND DETAILS

Drawn by: C.C.	Date: OCTOBER 2025
Checked by: P.L.	Plotted:
Scale: AS SHOWN	Issued:
Job No.: 25115	Drawing No.: A8
Set No.:	of:

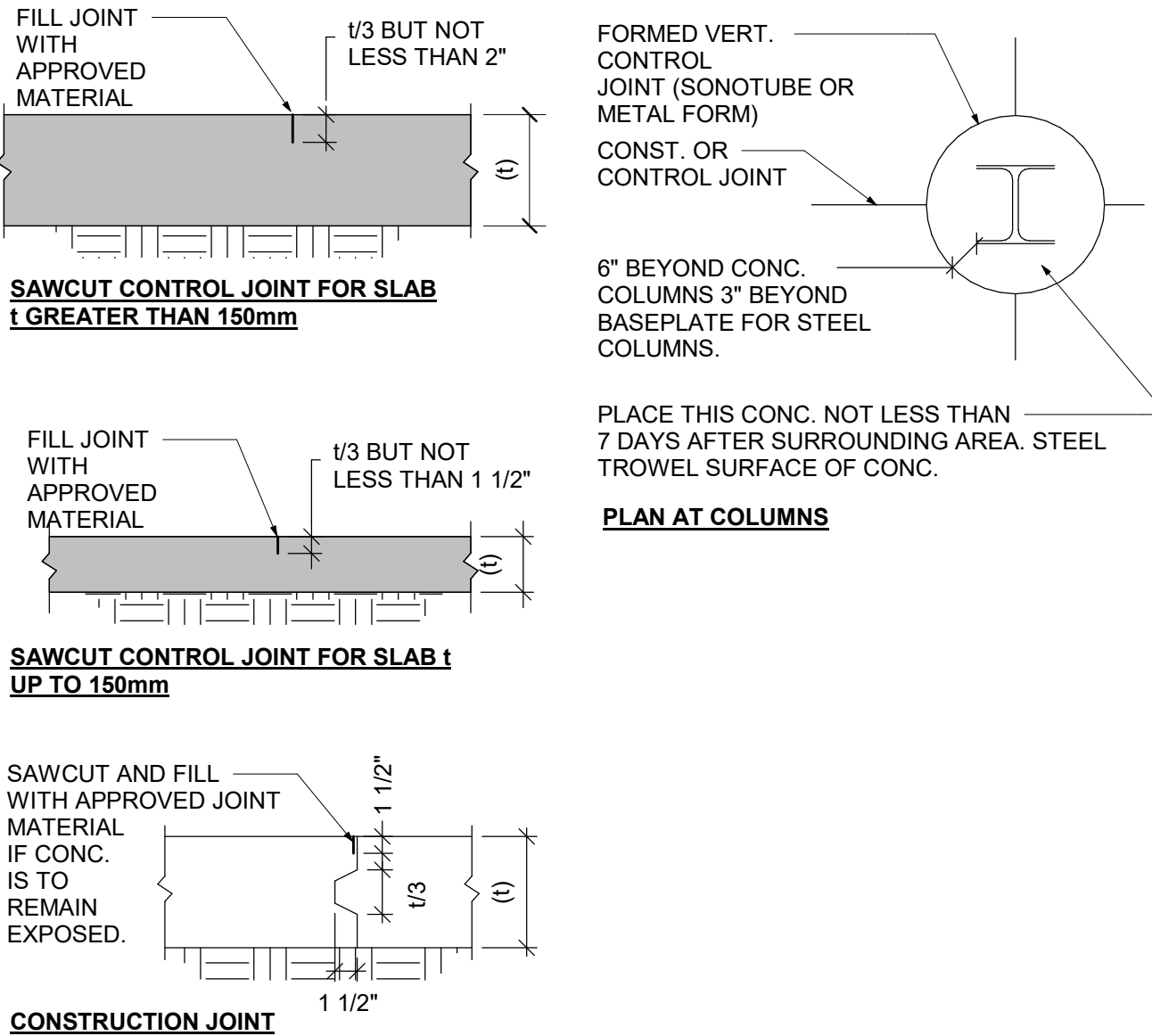
N14			SERVICEABILITY CRITERIA		
1. TYPICAL HORIZONTAL ELEMENTS (NOT SUPPORTING CLADDING) HAVE BEEN DESIGNED SO THAT THE THEORETICAL DEFLECTIONS WILL NOT EXCEED THE FOLLOWING VALUES:					
TYPE OF MEMBER		DEFLECTION TO BE CONSIDERED		DEFLECTION LIMIT	
REINFORCED CONCRETE MEMBERS					
FLAT ROOFS NOT SUPPORTING NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS		IMMEDIATE DEFLECTION DUE TO SPECIFIED LIVE LOAD, L		L/180	
FLOORS NOT SUPPORTING NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS		IMMEDIATE DEFLECTION DUE TO SPECIFIED LIVE LOAD, L		L/360	
ROOF OR FLOOR CONSTRUCTION SUPPORTING NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS		THAT PART OF THE TOTAL DEFLECTION OCCURRING AFTER ATTACHMENT OF NONSTRUCTURAL ELEMENTS		L/480	
ROOF OR FLOOR CONSTRUCTION SUPPORTING NON-STRUCTURAL ELEMENTS NOT LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS		SUM OF THE LONG-TERM DEFLECTIONS DUE TO ALL SUSTAINED LOADS AND THE IMMEDIATE DEFLECTION DUE TO ANY ADDITIONAL LIVE LOAD		L/240	
STRUCTURAL STEEL MEMBERS					
SIMPLE SPAN MEMBERS OF FLOORS AND ROOFS SUPPORTING CONSTRUCTION AND FINISHES NOT SUSCEPTIBLE TO CRACKING		LIVE		L/300	
SIMPLE SPAN MEMBERS OF FLOORS AND ROOFS SUPPORTING CONSTRUCTION AND FINISHES SUSCEPTIBLE TO CRACKING		LIVE		L/360	
2. NON-STRUCTURAL ELEMENTS SUCH AS CLADDING, MECHANICAL AND ELECTRICAL SERVICES AND SUPPORTS, MUST BE DESIGNED AND DETAILED TO ACCOMMODATE THE ANTICIPATED DEFLECTIONS IN THE TABLE ABOVE.					
3. PERIMETER OR SPANDREL ELEMENTS (SUPPORTING CLADDING, PRECAST, MASONRY WALLS AND THE LIKE) HAVE BEEN DESIGNED FOR AN ALLOWABLE DEFLECTION AS NOTED IN THE TABLE ABOVE, BUT NOT MORE THAN 12mm (0.5 INCHES) RELATIVE MOVEMENT BETWEEN ADJACENT FLOORS.					
4. THE STRUCTURE HAS BEEN DESIGNED TO LIMIT THE MAXIMUM INTERSTOREY DRIFT UNDER SERVICEABILITY LIMIT STATE (SL) AVERAGE HOURLY WIND PRESSURE TO 1/500 WHERE 'H' IS THE FLOOR TO FLOOR HEIGHT BETWEEN TWO ADJACENT FLOORS. UNDER SEISMIC LOADS, THE INTERSTOREY DRIFT HAS BEEN LIMITED TO 0.025Hs WHERE 'Hs' IS THE HEIGHT OF THE STOREY.					
5. THE STRUCTURE HAS BEEN DESIGNED ASSUMING THAT THE INSTALLATION OF NONSTRUCTURAL ELEMENTS SUCH AS CLADDING, MECHANICAL AND ELECTRICAL SERVICES WILL NOT COMMENCE UNTIL AT LEAST ONE MONTH AFTER THE REINFORCED CONCRETE SLAB SUPPORTING THE NONSTRUCTURAL ELEMENTS HAS BEEN POURED AND THE RESHORES HAVE BEEN REMOVED.					

N15	STRUCTURAL ABBREVIATIONS			
A.B	ANCHOR BOLT	I.D.	INSIDE DIAMETER	
ALT.	ALTERNATE	kN	KILONEWTON	
ALUM.	ALUMINUM	kPa	KILOPASCAL	
ANCH.	ANCHORS	L	ANGLE	
APPROX.	APPROXIMATELY	L.L.H.	LONG LEG HORIZONTAL	
ARCH.	ARCHITECTURAL	L.L.V.	LONG LEG VERTICAL	
B/F	BOTTOM FACE	L.P.	LOW POINT	
B.P.L	BASE PLATE	L.G.	LONG	
BLK.	BLOCK	L.M.	LONG	
BM.	BEAM	MAX.	MAXIMUM	
BOT.	BOTTOM	MECH.	MECHANICAL	
BRG.	BEARING	METL	METAL	
BT.P.L	BENT PLATE	MIN.	MINIMUM	
C/W	COMPLETE WITH	MISC.	MISCELLANEOUS	
C/C	CENTRE TO CENTRE	m	METRE	
C.J.	CONTROL JOINT	mm	MILLIMETRE	
CLG.	CEILING	MPa	MEGAPASCAL	
COL.	COLUMN	N.I.C.	NOT IN CONTRACT	
CONC.	CONCRETE	N.T.S.	NOT TO SCALE	
CONN.	CONNECTION	No.	NUMBER	
CONSTRN	CONSTRUCTION	O.C.	ON CENTRE	
CONT.	CONTINUOUS	O.D.	OUTSIDE DIAMETER	
DEMO.	DEMOLITION	O.H.	OVERHEAD	
DET.	DETAIL	OWSJ	OWEN WEB STEEL JOIST	
DIA.	DIAMETER	OPNG.	OPENING	
DIM.	DIMENSION	PARTN	PARTITION	
DO	DEEP	PL	PLATE	
DP.	DRAWING	R.C.	REINFORCED CONCRETE	
DWG.	DRAWING	R.D.	ROUGH OPENING	
DWL.	DOWEL	R.O.	ROUGH OPENING	
E.F.	EACH FACE	REF.	REFERENCE	
E.J.	EXPANSION JOINT	REINF.	REINFORCED	
ELEC.	ELECTRICAL	REQD	REQUIRED	
E.S.	EACH SIDE	S.C.	SECTION	
E.W.	EACH WAY	SECT.	SECTION	
EA.	EACH	S.L.H.	SHORT LEG HORIZONTAL	
EL.	ELEVATION	S.L.V.	SHORT LEG VERTICAL	
EQ.	EQUAL	S.O.G.	SLAB ON GRADE	
EXIST.	EXISTING	S.S.	STAINLESS STEEL	
F.F	FACE TO FACE	STL.	STEEL	
FIN.	FINISHED	STIFF.	STIFFENER	
FL.	FLOOR	STRUCT.	STRUCTURAL	
FNDN.	FOUNDATION	T/O	TOP OF	
FTG.	FOOTING	T.L.L.	TOP LOWER LAYER	
GA.	GAUGE	T.U.L.	TOP UPPER LAYER	
GALV.	GALVANIZED	TYP.	TYPICAL	
GRD.	GRADE	U.N.O.	UNLESS NOTED OTHERWISE	
HORIZ.	HORIZONTAL	U/S	UNDERSIDE	
H.D.	HEAVY DUTY	VERT.	VERTICAL	
H.D.G.	HOT DIPPED GALVANIZED	V.E.F.	VERTICAL EACH FACE	
H.E.F.	HORIZONTAL EACH FACE	V.I.F.	VERTICAL INSIDE FACE	
H.P.	HIGH POINT	V.O.F.	VERTICAL OUTSIDE FACE	
HSS	HOLLOW STRUCTURAL STEEL	W.P.	WORKING POINT	
		W.W.M.	WELEDED WIRE MECH @ SPACED AT	

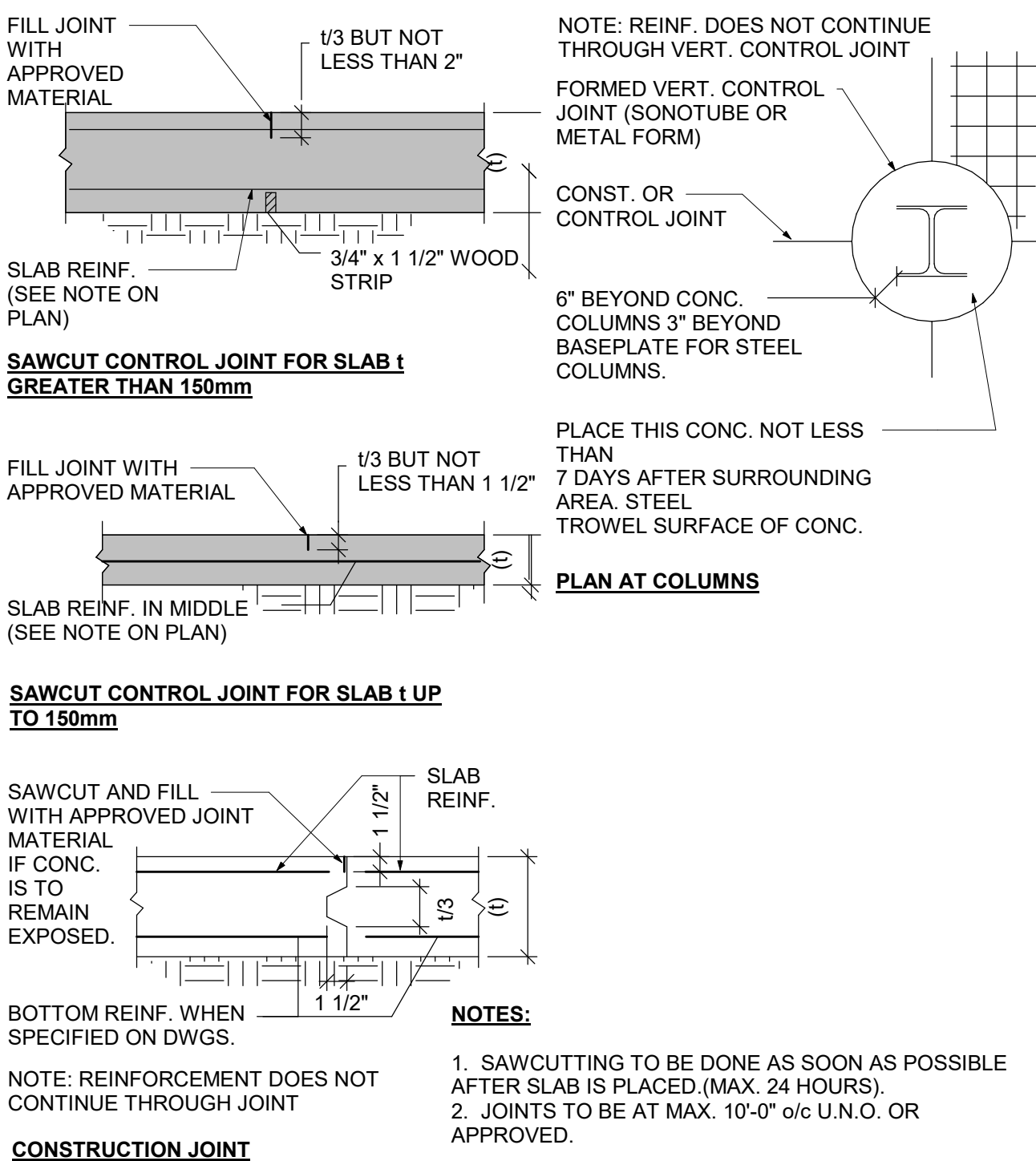


C10 SLAB ON GRADE DETAILS (N.T.S.)

S.O.G. REINFORCED WITH SYNTHETIC FIBRES



S.O.G. REINFORCED WITH WELDED WIRE FABRIC OR DEFORMED BARS



CONCRETE BLOCK WALL SCHEDULE

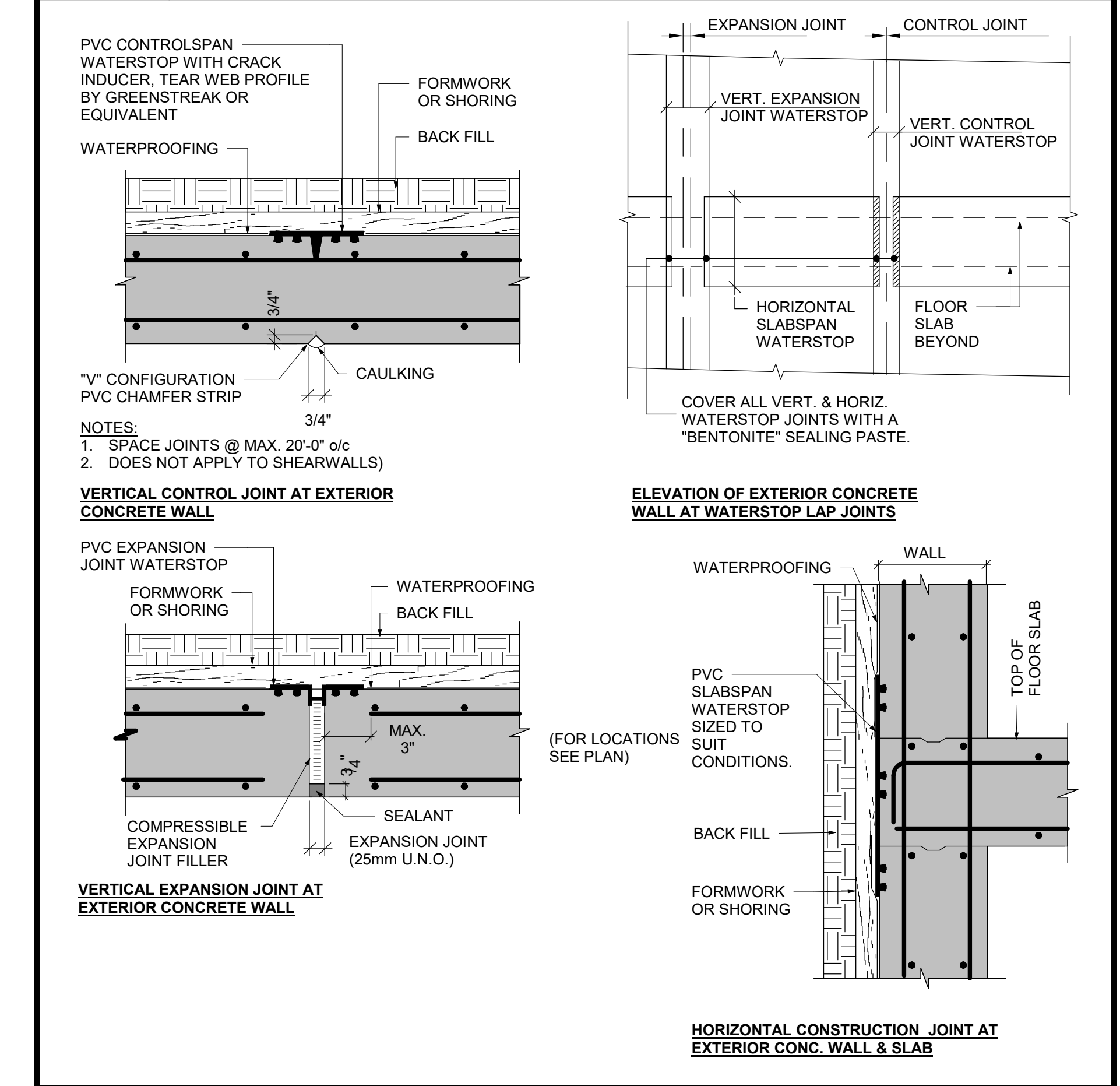
MARK LEVEL	WALL SIZE and REINFORCING	
	W1	W2
2ND FLOOR	- 190 CONCRETE BLOCK - BLOCK COMP. STRENGTH = 20 MPa - 20M @ 600 VERT. - 4.8mm Ø "HEAVY DUTY" LADDER JOINT REINFORCEMENT @ EVERY COURSE	- 190 CONCRETE BLOCK (FULLY GROUTED) - BLOCK COMP. STRENGTH = 20 MPa - 20M @ 600 VERT. - 4.8mm Ø "HEAVY DUTY" LADDER JOINT REINFORCEMENT @ EVERY COURSE
GROUND FLOOR	- 190 CONCRETE BLOCK - BLOCK COMP. STRENGTH = 20 MPa - 25M @ 600 VERT. - 4.8mm Ø "HEAVY DUTY" LADDER JOINT REINFORCEMENT @ EVERY COURSE	- 190 CONCRETE BLOCK (FULLY GROUTED) - BLOCK COMP. STRENGTH = 20 MPa - 25M @ 600 VERT. - 4.8mm Ø "HEAVY DUTY" LADDER JOINT REINFORCEMENT @ EVERY COURSE

NOTES:

- ALL MASONRY CORES WITH REINFORCEMENT TO BE FULLY GROUTED.
- ALL WALLS NOTED FULLY GROUTED ARE TO BE 100% FILLED WITH GROUT.
- CO-ORDINATE ALL WALL OPENINGS WITH ARCHITECTURAL DRAWINGS AND MECHANICAL CONTRACTOR.
- PROVIDE ADDITIONAL JAMB STEEL MATCHING WALL REINFORCING SIZE FULL HEIGHT @ ALL WALL ENDS, INTERSECTIONS AND OPENINGS UNLESS OTHERWISE NOTED ON DRAWINGS.
- PROVIDE STANDARD TENSION SPLICES FOR ALL HORIZONTAL AND VERTICAL WALL REINFORCEMENT.
- ALL BARS CONNECTING BETWEEN FLOORS TO BE TIED TOGETHER WITH SPLICED DOWELS (REFER TO SECTION DETAILS).
- SOLID FILLED VOIDS TO BE MADE WITH 20MPa FLOWABLE GROUT (MORTAR FILL, NOT PERMITTED).
- PROVIDE DOWELS FROM THE FOOTING TO WALLS ABOVE TO MATCH VERTICAL WALL REINFORCEMENT.
- ALL WALLS SHALL CONTAIN 4.8mm (3/16") Ø "HEAVY DUTY" LADDER/TRUSS JOINT REINFORCEMENT AT EVERY COURSE.

TYPICAL WALL SINGLE LAYER REINFORCING DIAGRAM

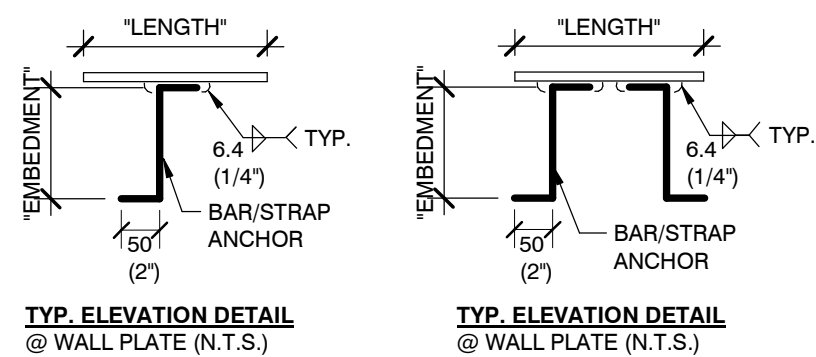
C13 JOINTS IN EXTERIOR FOUNDATION WALLS (N.T.S.)



MASONRY WALL PLATE SCHEDULE

	PLATE SIZE THK.xLG.xWD.	ANCHORAGE
WPL.1	9.5 x 175 x 200 mm	2 - 12.7mm Ø ROD (300mm EMBEDMENT, 50mm HOOK)
WPL.2	9.5 x 200 x 175 mm	2 - 12.7mm Ø ROD (300mm EMBEDMENT, 50mm HOOK)

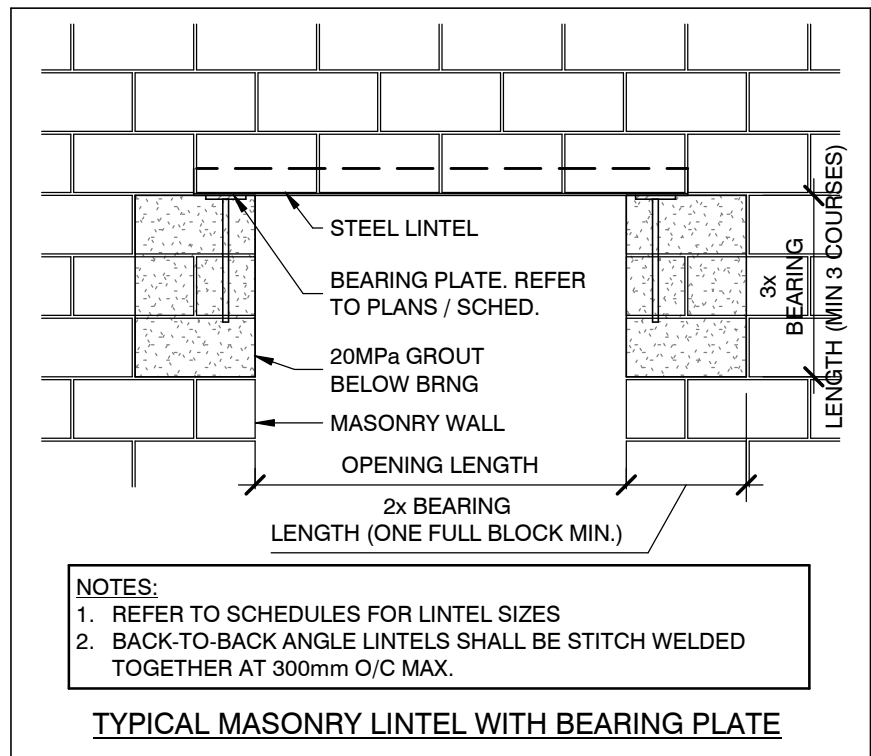
- NOTES:
- PLATE DIMENSION NOTED AS "LENGTH" TO BE PARALLEL WITH BEAM WEB.
 - FIELD WELD BEAM TO BEARING PLATE w/ (2) 6.4mm x 38mm (1/4" x 1-1/2") LG. FILLET WELDS (EACH SIDE)
 - FILL MIN THREE COURSES SOLID WITH GROUT BELOW WALL PLATE IN MASONRY WALLS. (SEE TYPICAL DETAIL)



MASONRY VENEER LINTEL SCHED.

MAX. CLEAR SPAN	SIZE	REMARKS
7'-0"	L3 1/2"x3 1/4" (LLH)	
9'-0"	L5x4x1/4"	
10'-0"	L5x3 1/2"x5/16" (LLV)	
11'-0"	L5x3 1/2"x3/8" (LLV)	
12'-0"	L6x4x3/8" (LLV)	
13'-0"	L6x4x3/8" (LLV)	
14'-0"	L7x4x7/16" (LLV)	
15'-0"	L8x4x7/16" (LLV)	

- NOTES:
- LINTEL BEARING LENGTH TO BE MIN. 6".
 - ALL STRUCTURAL STEEL MEMBERS TO BE HOT DIPPED GALVANIZED.
 - SEE ARCHITECTURAL DRAWINGS FOR SPANS.



ISSUED FOR PERMIT AND TENDER	4	JUN. 09, 2026
ISSUED FOR 95% COORDINATION	3	MAY 12, 2026
ISSUED FOR 75% COORDINATION	2	FEB. 25, 2026
ISSUED FOR 50% COORDINATION	1	FEB. 13, 2026
ISSUANCE	ID	DATE



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W.K. LIM & M.P. LIU
ARCHITECTS INC.

PROJECT

KING'S ROAD PUBLIC
SCHOOL

660 GREENWOOD DRIVE.

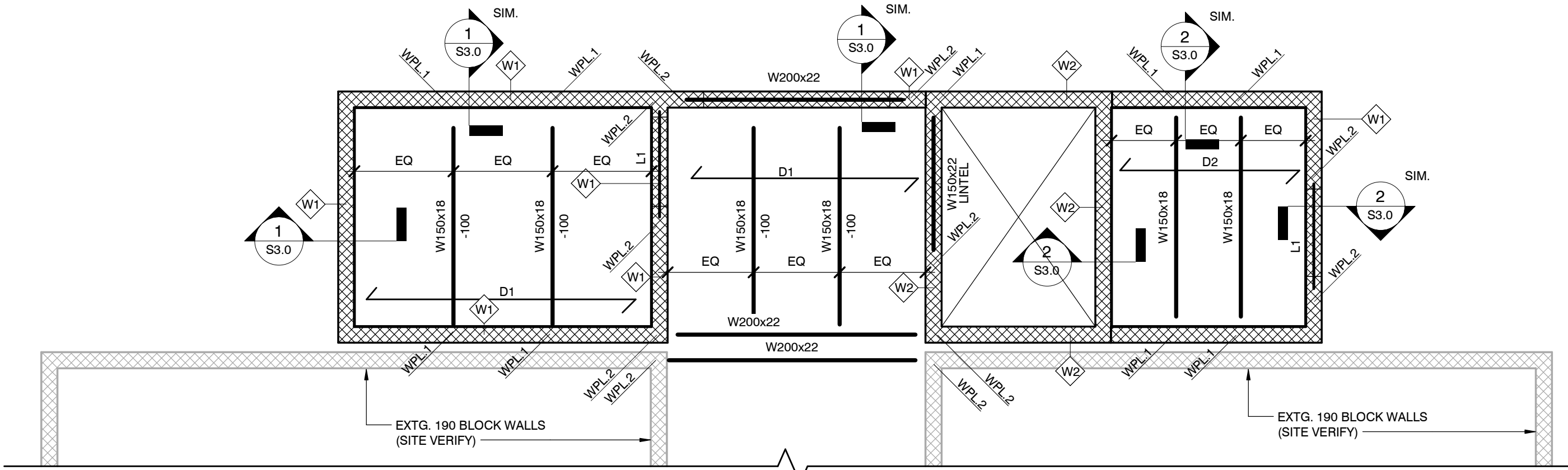
BURLINGTON, ON

DRAWING

GENERAL NOTES &
TYPICAL DETAILS

Project Manager:	JDD	Start Date:	MAY 2024
Design By:	DRL	Project No.:	64332_001
Drawn By:	DRL/JDG	Drawing No.:	
Scale:	AS NOTED		S1.1

\$2.0



SECOND FLOOR FRAMING PLAN

1 : 50

FLOOR PLAN NOTES:

- 1. T/O FLOOR SLAB ELEVATION = (REF. TO ARCH. DWGS)
- 2. REF. TO ARCH. DWGS. FOR DIMENSIONS, OPENINGS, DEPRESSIONS AND SLOPES NOT SHOWN ON THIS DRAWING.
- 3. T/O STEEL EL. ARE REFERENCED FROM T/O SLAB EL.
- 4. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN ALL SHORING AND TEMPORARY BRACING AS PER O.REG 213/91 AND THE CONTRACTOR SHALL RETAIN AN ENGINEER AS REQUIRED.

LEGEND:

D1..... 64mm CONCRETE ON 38 x 0.76mm THK. LZC METAL DECK (3 SPAN CONT.)
w/ 152x152 MW9.1/MW9.1 W.W.M.
• TRANSVERSE WELDS: 19mm PUDDLE WELD @ 914/4
• SIDE LAP CONNECTION: BOTTOM PUNCH @ 300mm
• PERIMETER WELDS: 19mm PUDDLE WELD @ 300mm

D2..... 38 mm x 0.76 mm THK. LZC METAL DECK (3 SPAN CONT.)
• TRANSVERSE WELDS: 19mm PUDDLE WELD @ 914/4
• SIDE LAP CONNECTION: BOTTOM PUNCH @ 300mm
• PERIMETER WELDS: 19mm PUDDLE WELD @ 300mm

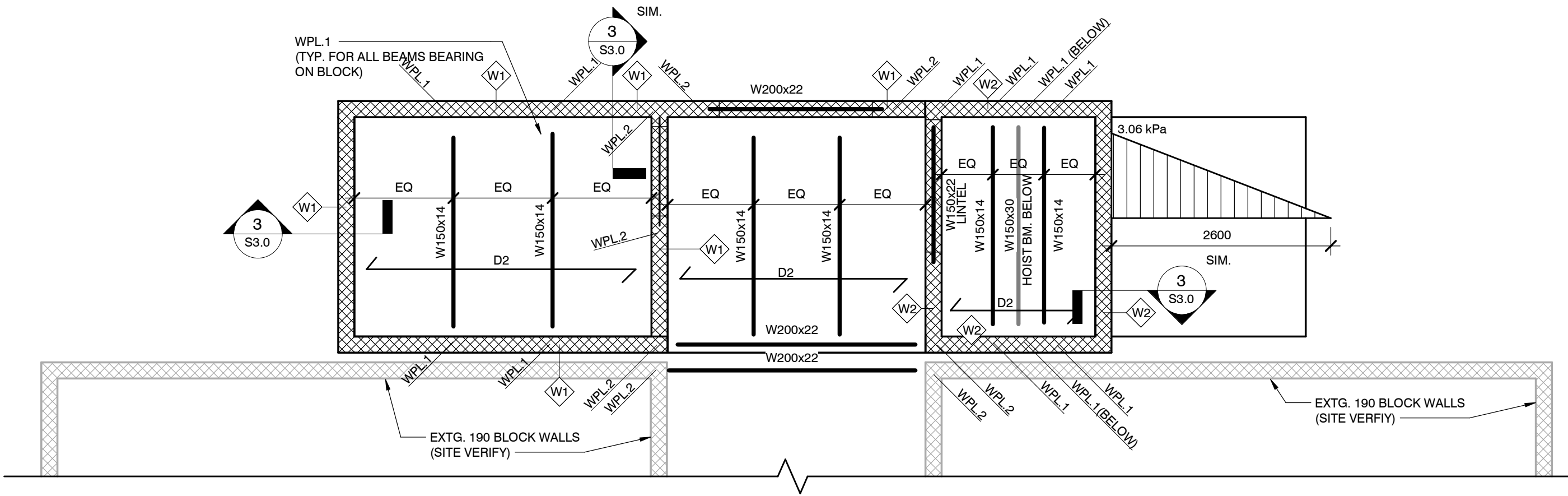
W1..... (SEE SCHEDULE)
W2..... (SEE SCHEDULE)

L1..... DOORWAY LINTEL - 2 - L127x76x9.5 (LLV) BACK-TO-BACK ANGLES

⊠ DENOTES LOCATION OF ROUGH OPENING. REFER TO ARCH. DWGS. FOR DIMENSIONS AND LOCATIONS.

LOADING:

DEAD LOADS:
COMPOSITE DECK.....2.5 kPa
SUPERIMPOSED.....2.0 kPa
LIVE LOADS:
CORRIDORS.....4.8 kPa
WASHROOMS.....2.4 kPa
ROOFS.....1.0 kPa



ROOF FRAMING PLAN

1 : 50

FLOOR PLAN NOTES:

- 1. U/S DECK ELEVATION = (REF. TO ARCH. DWGS)
- 2. REF. TO ARCH. DWGS. FOR DIMENSIONS, OPENINGS, DEPRESSIONS AND SLOPES NOT SHOWN ON THIS DRAWING.
- 3. T/O STEEL EL. ARE REFERENCED FROM T/O SLAB EL.
- 4. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN ALL SHORING AND TEMPORARY BRACING AS PER O.REG 213/91 AND THE CONTRACTOR SHALL RETAIN AN ENGINEER AS REQUIRED.

LEGEND:

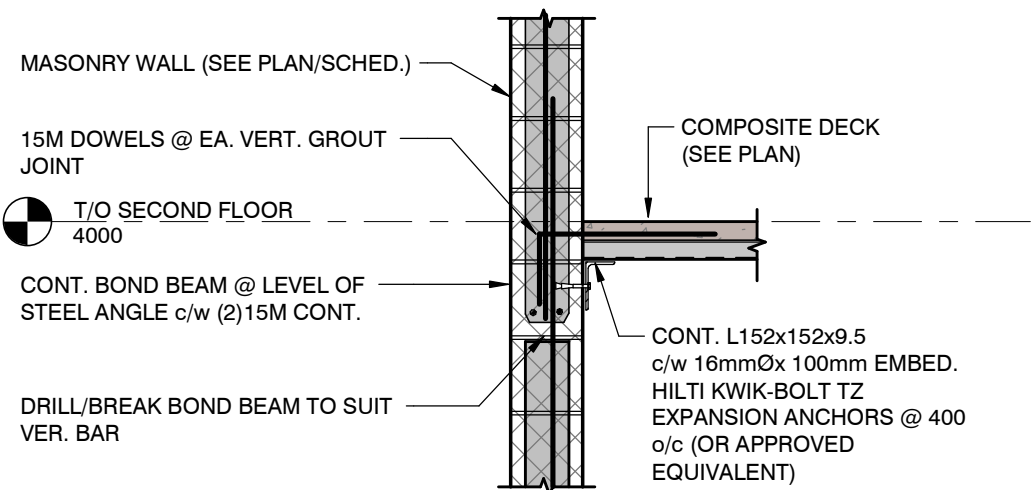
D2..... 38 mm x 0.76 mm THK. LZC METAL DECK (3 SPAN CONT.)
• TRANSVERSE WELDS: 19mm PUDDLE WELD @ 914/4
• SIDE LAP CONNECTION: BOTTOM PUNCH @ 300mm
• PERIMETER WELDS: 19mm PUDDLE WELD @ 300mm

W1..... (SEE SCHEDULE)
W2..... (SEE SCHEDULE)

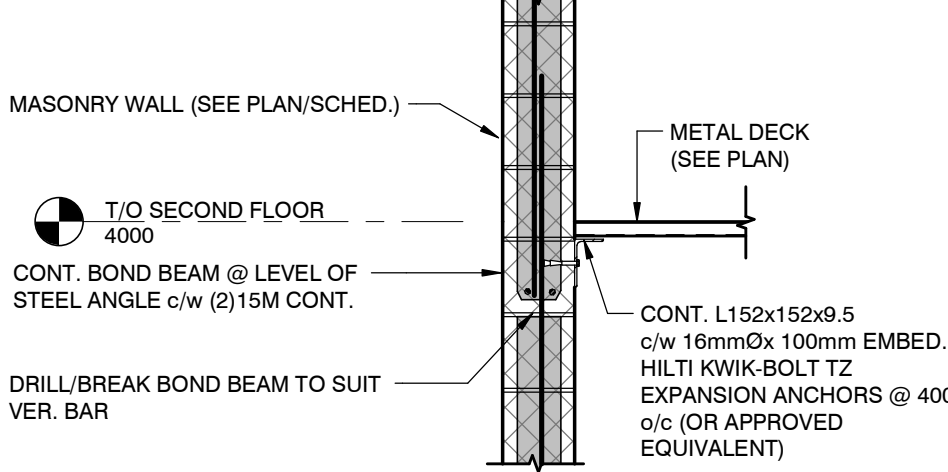
⊠ DENOTES LOCATION OF ROUGH OPENING. REFER TO ARCH. DWGS. FOR DIMENSIONS AND LOCATIONS.

LOADING:

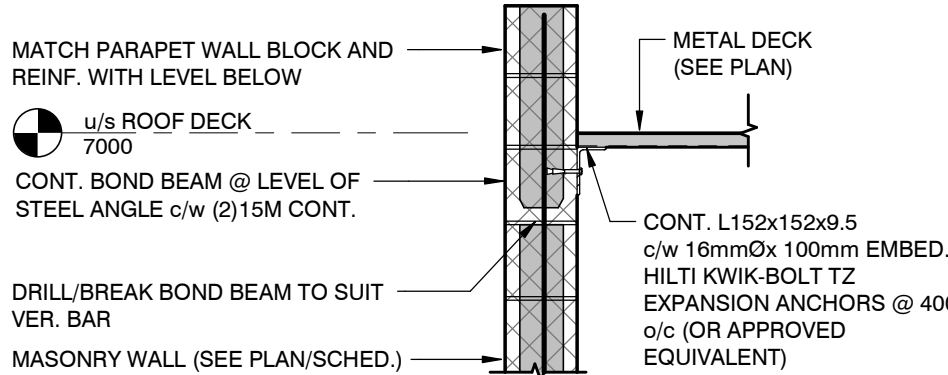
DEAD LOADS:
ROOF DECK.....0.1 kPa
SUPERIMPOSED.....2.0 kPa
LIVE LOADS:
ROOFS.....1.0 kPa
SNOW LOADS (BURLINGTON, ON):
BASIC.....1.47 kPa
DRIFT.....(SEE PLAN)



1 SECTION DETAIL
1 : 20



2 LOW ROOF DECK AT BLOCK
1 : 20



3 BLOCK PARAPET
1 : 20

NOTE TO CONTRACTOR:

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

ISSUED FOR PERMIT AND TENDER	4	JUN. 09. 2026
ISSUED FOR 95% COORDINATION	3	MAY 12. 2026
ISSUED FOR 75% COORDINATION	2	FEB. 25. 2026
ISSUED FOR 50% COORDINATION	1	FEB. 13. 2026
ISSUANCE	ID	DATE



Ph. (905) 639-2552

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ARCHITECTS INC.

PROJECT

KING'S ROAD PUBLIC
SCHOOL

660 GREENWOOD DRIVE.

BURLINGTON, ON

DRAWING

2ND FLOOR AND ROOF
FRAMING PLAN

Project Manager:	JDD	Start Date:	MAY 2024
Design By:	DRL	Project No.:	64332_001
Drawn By:	DRL/JDG	Drawing No.:	S3.0
Scale:	AS NOTED		

LEGEND – PLUMBING	
ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.	
REFER	DESCRIPTION
—E— —	DOMESTIC COLD WATER PIPING
—H— —	DOMESTIC HOT WATER PIPING
—R— —	DOMESTIC HOT WATER RECIRC. PIPING
---V---	VENT PIPING
—S— —	SANITARY PIPING ABOVE FLOOR
—S— —	SANITARY PIPING BELOW GRADE OR FLOOR
~~~~~	PIPING TO BE REMOVED
~~~~~	HEAT TRACED PIPING
—E— —	CONNECTION OF NEW AND EXISTING PIPING
—┐	CAPPED PIPE
⊙FD	FLOOR DRAIN
⦿FFD	FUNNEL FLOOR DRAIN
⊙HD	HUB DRAIN
⊙RD	ROOF DRAIN
⦿RD	ROOF DRAIN ABOVE
—┐	CLEANOUT IN FLOOR
—	CLEANOUT IN LINE OR STACK
⊙	WATER METER
—X—	ISOLATION VALVE
—X—	CIRCUIT BALANCING VALVE
—V—	CHECK VALVE
—S—	STRAINER
—R—RPPBP	REDUCED PRESSURE BACKFLOW PREVENTER
—X—	3-WAY VALVE
—X—	TEMPERATURE & PRESSURE RELIEF VALVE
—CTE	CONNECT TO EXISTING
—U—	UNION
⊙PG	PRESSURE GAUGE
—T—	THERMOMETER
—P—	PUMP
—○	PIPE DOWN
—○	PIPE UP
—●	PIPE UP & DOWN
—○	PIPE TEE
E	DENOTES EXISTING
—E—	EXISTING PIPING
—FEX	FIRE EXTINGUISHER – SURFACE MOUNTED

LEGEND – HVAC	
ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.	
REFER	DESCRIPTION
—E(NAME)—	EXISTING PIPING TO REMAIN
—P—	POSITIVE PRESSURE (SUPPLY) DUCT UP
—P—	POSITIVE PRESSURE (SUPPLY) DUCT UP
—N—	NEGATIVE PRESSURE (RETURN) DUCT UP
—P—	POSITIVE PRESSURE (SUPPLY) DUCT DOWN
—P—	POSITIVE PRESSURE (SUPPLY) DUCT DOWN
—N—	NEGATIVE PRESSURE (RETURN) DUCT DOWN
—	EXISTING DUCTWORK TO BE REMOVED
—	EXISTING DUCTWORK TO REMAIN
—	NEW DUCTWORK
—	SUPPLY AIR DIFFUSER (SQUARE)
—	SUPPLY AIR DIFFUSER (ROUND)
—	SIDEWALL GRILLE
—	RETURN/EXHAUST GRILLE
—	FULL RADIUS DUCT CONNECTION
—	TAP-IN DUCT CONNECTION
—	ROUND DUCT CONNECTION
—	TURNING VANES
—FD	FIRE DAMPER
—FEXFD	EXISTING FIRE DAMPER
MD	MOTORIZED DAMPER
EXMD	EXISTING MOTORIZED DAMPER
AD	ACCESS DOOR
BD	BALANCING DAMPER
OBBD	OPPOSED BLADE BALANCING DAMPER
OED	OPEN ENDED DUCT
⊙	THERMOSTAT
—[RAT]—	REVERSE ACTING THERMOSTAT
CAP	CAP

MECHANICAL DRAWING LIST	
M1.0	LEGENDS, GENERAL NOTES, EQUIPMENT SCHEDULE
M1.1	MECHANICAL KEY PLANS
M2.0	PROPOSED DRAINAGE PLAN
M2.1	PROPOSED PLUMBING PLAN
M2.2	PROPOSED HVAC PLAN
M3.0	MECHANICAL SPECIFICATIONS AND DETAILS

GENERAL NOTES	
REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR COORDINATION OF GRILLES, DIFFUSERS AND OTHER ELEMENTS	
IN ALL INSTANCES THE NEED FOR ACCESS DOORS IN GWB CEILINGS SHOULD BE AVOIDED IF POSSIBLE. WHERE INSTALLATION OF COMPONENTS WHICH REQUIRE ACCESS CANNOT BE AVOIDED, SUBMIT (DIMENSIONED) LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS TO CONSULTANTS FOR APPROVAL PRIOR TO INSTALLATION OF COMPONENT.	
EXISTING ITEMS TO BE REMOVED REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO A LOCATION ON SITE DESIGNATED BY THE OWNER. IF THE OWNER DECLARES NO INTEREST IN THE REMOVED ITEMS, ASSUME OWNERSHIP AND REMOVE THE ITEMS FROM THE SITE.	
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR PHASING AND STAGING.	

PLUMBING NOTES	
1. CONTRACTOR IS TO VERIFY CONNECTION POINTS TO SERVICES WITH OTHER TRADES ON SITE.	
2. CONTRACTOR IS TO CLEAR DUCTWORK WHEN INSTALLING NEW PIPING. CLEARANCES TO BE VERIFIED ON SITE.	
3. PROVIDE A CLEANOUT AT THE BOTTOM OF EVERY SOIL AND WASTE STACK THAT CONNECTS TO A HORIZONTAL DRAINAGE PIPE.	
4. PROVIDE A CLEANOUT FROM EACH PLUMBING FIXTURE WHERE REQUIRED BY BUILDING CODE, PART 7 – PLUMBING.	
5. CHECK AND VERIFY LOCATION OF ALL PIPES, DUCTS AND EQUIPMENT WITH ALL OTHER TRADES TO PREVENT INTERFERENCE, REMOVAL OR RELOCATION OF ANY SUCH WORK INTERFERING WITH WORK OF OTHER TRADES IS THE RESPONSIBILITY OF THE MECHANICAL TRADE CONCERNED UNLESS OTHERWISE APPROVED IN WRITING.	
6. ALL PLUMBING FIXTURES INCLUDING FLOOR DRAINS (HUB, FUNNEL FLOOR DRAINS, TRENCH DRAINS) TO BE TRAPPED AND VENTED AS REQUIRED BY BUILDING CODE, PART 7 – PLUMBING.	
7. FOR MOUNTING HEIGHT OF ALL PLUMBING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.	
8. PROVIDE ACCESS DOOR FOR ALL VALVES LOCATED ABOVE DRY WALL CEILING.	
9. PROVIDE ACCESS DOOR FOR ALL CLEANOUTS LOCATED ABOVE DRY WALL CEILING.	
10. IN ALL INSTANCES THE NEED FOR ACCESS DOOR IN GWB CEILINGS SHOULD BE AVOIDED IF POSSIBLE. WHERE INSTALLATION OF COMPONENTS WHICH REQUIRE ACCESS CANNOT BE AVOIDED, SUBMIT (DIMENSIONED) LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS TO CONSULTANTS FOR APPROVAL PRIOR TO INSTALLATION OF COMPONENT.	
11. ALL DISTURBED SERVICES AFTER PIPE REMOVAL OR REROUTING TO BE FILLED-IN WITH APPROPRIATE MATERIAL TO MAINTAIN FIRE SEPARATION AND PATCHED TO MATCH EXISTING OR NEW FINISHES.	
12. CONTRACTOR IS TO REMOVE ALL OBSOLETE PIPING WHEREVER POSSIBLE.	
13. CONTRACTOR IS TO ENSURE THAT ALL EXISTING PIPING SERVING EXISTING AREAS REMAIN IN SERVICE UNTIL THESE AREAS ARE RECONNECTED TO NEW SERVICES. ONLY THEN OBSOLETE PIPING IS TO BE REMOVED AS SHOWN.	
14. BEFORE CUTTING ANY HOLES THROUGH THE EXISTING SLAB REFER TO EXISTING STRUCTURAL DRAWINGS FOR GENERAL REQUIREMENTS.	
15. AFTER PIPE REMOVAL ALL EXISTING OPENINGS IN FIRE SEPARATION ARE TO BE FILLED-IN TO MAINTAIN INTEGRITY OF THAT FIRE SEPARATION.	
16. RECONNECT VENTS FROM EXISTING EQUIPMENT AND PLUMBING FIXTURES WHICH ARE TO REMAIN TO NEW VENTS AS REQUIRED.	
17. PROVIDE SIGN IDENTIFYING LOCATION OF ALL VALVES INSTALLED IN CEILING SPACE.	
18. ALL WATER, SANITARY, SEWER AND VENT COPPER PIPING WITH SOLDER JOINTS SHALL BE LEAD FREE. DO NOT INSTALL WATER LINES IN OUTSIDE WALL WHERE THEY MAY FREEZE, UNLESS BOTH THE WALL AND THE PIPES ARE PROPERLY INSULATED.	
19. INSTALL SHUT-OFF VALVES AT EACH PLUMBING FIXTURE AND EACH EQUIPMENT CONNECTION.	
20. REFER TO ARCHITECTURAL FOR OWNER SUPPLIED EQUIPMENT. CONFIRM ALL MECHANICAL REQUIREMENTS AND PROVIDE TO SUIT.	

EXHAUST FAN SCHEDULE											
REFER	AREA SERVED	AIR FLOW CFM	E.S.P. IN.W.C.	ELECTRICAL		DRIVE	FAN SPEED RPM	UNIT WEIGHT LBS	SOUND LEVEL dBA	CONTROL	MANUFACTURER, MODEL AND ACCESSORIES
				MOTOR SIZE HP	VOLTAGE						
EF-1	UNIVERSAL WASHROOM	122	0.744	1/3	120V/1ø/60Hz	DIRECT	1725	31	—	SWITCH	COOK 101C17D OR60; COMPLETE WITH ROOF CURB
EF-2	MACHINE ROOM	122	0.744	1/3	120V/1ø/60Hz	DIRECT	1725	31	—	SENSOR	COOK 101C17D OR60; COMPLETE WITH ROOF CURB

NOTES: 1. ALL FANS SHALL INCLUDE VIBRATION ISLOATION AND STARTERS.
2. REFER TO THE CONTROL SCHEMATICS AND SEQUENCES OF OPERATION.
3. ACCEPTABLE MANUFACTURERS SUBJECT TO SHOP DRAWING REVIEW: CARNES, GREENHECK, REVERSOMATIC, BROAN.

RETURN/ EXHAUST GRILLE SCHEDULE						
SYMBOL	SIZE MM x MM (IN. x IN.)	APPLICATION	NECK SIZE MMø (INSø)	AIRFLOW RANGE CFM	NC RANGE	MANUFACTURER AND MODEL (BASIS OF DESIGN: E.H. PRICE)
R-1CFM E-1CFM	300x300 (12x12)	CEILING GRILLE	–	<450	<30	80D
R-2CFM E-2CFM	600x300 (24x12)	CEILING GRILLE	–	<800	<30	80D
R-3CFM E-3CFM	600x600 (24x24)	CEILING GRILLE	–	<2000	<30	80D
R-4CFM	500x500 (20x20)	CEILING GRILLE	–	<1500	<30	80D
R-5CFM	750x350 (30x14)	WALL GRILLE	–	<835	<30	530D
R-6CFM	750x250 (30x10)	DUCT GRILLE	–	<540	<30	530D

NOTE(S): 1. ACCEPTABLE ALTERNATES SUBJECT TO SHOP DRAWING REVIEW: TITUS, METALAIRE, KRUEGER OR APPROVED EQUAL.
2. ALL RETURN GRILLES SHALL C/W MERV 13 FILTERS.

LOUVER SCHEDULE						
TAG	MANUFACTURER	MODEL	MIN SECTION SIZE (IN) (WXH)	MAX SECTION SIZE (IN) (WXH)	FINISH	ACCESSORIES
LOU-1	PRICE INDUSTRIES	DE439 FIXED BLADE LOUVER	9 X 9.5	72 X 120	COLOUR ANODIZED (TO MATCH WITH THE EXISTING BUILDING)	DRAINABLE LOUVER C/W BIRD SCREEN, FRAME, MOTORIZED DAMPER

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PROJECT :	KING'S ROAD PS, ACCESSIBILITY UPGRADES PROJECT	660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3 HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :
MECHANICAL LEGENDS,
GENERAL NOTES,
EQUIPMENT SCHEDULE



REGAL CONSULTING ENGINEERS INC.
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DATE :	December 2025
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PROJECT No. :	2025-502
DRAWING No. :	M1.0
REVISION	

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	FIXTURN NAME	SANITARY		VENT		DCWS		DHWS		TEMPERED		REMARKS
		MM	INS	MM	INS	MM	INS	MM	INS	MM	INS	
W1-BF	WATER CLOSET FLOOR MOUNTED- FLUSHOMETER -EXPOSED-MANUAL	75	3	38	1.5	32	1.25	-	-	-	-	1. American Standard Madera FloWise 3461001.020 Barrier free Toilet, Floor mounted with floor outlet, Toilet operates in the range of 4.2 to 6.0 LPF (1.1 – 1.6 GPF), Vitreous china, White finish, Ever Clean antimicrobial surface, Elongated bowl, 419 mm (16-1/2”) rim height, 254 mm (10”) to 305 mm (12”) rough-in from wall to the center of waste outlet, Direct-fed siphon jet flush action, 38 mm (1-1/2”) top spud, Flush valve by others, Fully-glazed 54 mm (21/8”) trapway, Condensation channel, Toilet seat not included, Two (2) colour matched bolt caps with retainers (481310-100). Overall Dimensions: 356 mm (14”) wide x 718 mm (28-1/4”) from finished wall Water Surface: 254 x 305 mm (10” x 12”) water surface area.
												2. Centoco #500STSCCFE-001 FAST-N-LOCK, for elongated bowl, Open front, Heavy-duty, For commercial applications, Polypropylene, Toilet seat, Less seat cover, Plastic commercial check hinges, and Stainless-steel hinge pin, Specified in White finish,
												3. SL-ROYAL 111-1.28 ROYAL Manual Exposed Water closet flushometer, 38 mm (1-1/2”) spud coupling For top spud toilet, constructed from Semi-red brass, Polished chrome finish, High Efficiency 4.8 LPF (1.28 GPF), Chloramine resistant PERMEX@synthetic rubber diaphragm, Metal oscillating handle with triple seal handle packing, Flush tube for 292 mm (11-1/2”) rough-in, Adjustable tailpiece, 25mm (1”) I.P.S. screwdriver Bak-Chek@angle control stop with free spinning vandal-resistant stop cap, Dual-filtered fixed bypass, Sweat solder adapter kit with cover tube, High back pressure vacuum breaker, Inlet located right of valve, 25 mm (1”) supply pipe, Cast wall flange with set screw, Non-hold-open, no external volume adjustment, Pressure Range: 103 – 552 kPa (15 – 80 PSI) operating water pressure Compliances and certifications: Requires less than 5 pounds of force to activate (push-button), cUPC compliant.
												4. CM-16104 wall mounting, back rest, solid core plastic laminate panel back, Antique white, 305 mm (12”) wide, 102 mm (4”) high, 8” (204 mm), 18 gauge stainless steel bar with #4 gloss with flanges and covers, concealed snap flanges and mounting hardware included, Provide adequate backing in wall for support and comply to local codes for barrier free requirements
L1-BF	WALL HUNG LAVATORY-TWO HANDLE FAUCET	50	2	32	1.25	13	0.50	13	0.50	13	0.5	1. American Standard Murro with Ever clean #0954.004EC/0059.020EC Basin, 540mm x 520mm x 165mm (21-1/4” x 20-1/2” x 6-1/2”) high, vitreous china, for carrier with concealed arms, rear overflow, recessed self-draining faucet ledge, semi-pedestal P-trap cover.
												2. Chicago Faucets #802-VCP-317VP-XK-E2805 Two handle faucet, 4” (102mm) centerset, solid brass body construction, ceramic 1/4 turn cartridge, with Vandal Resistant 1.9LPM (0.5 GPM), aerator outlet, metal red and blue index buttons 102mm (4”) long wrist blade handle with vandal resistant screw.
												3. McGuire #155AC open grid drain, chrome plated cast brass one piece top, 1.5mm (1/16”) tubular 32mm (1-1/4”) tailpiece.
												4. McGuire #H170BVRB Faucet Supplies, chrome finish polished brass, 13mm (1/2”) I. D. Inlet x 127mm (5”) horizontal extension tubes, combination V. P. Loose key handle, escutcheon and stainless steel braided flexible riser.
												5. McGuire #8872C P-Trap, heavy cast brass adjustable body, with slip nut, 32mm (1-1/4”) size, shallow wall flange and seamless tubular wall bend
												6. Watts #TCA-411, Carrier, mounted on concrete floor, with epoxy coated cast iron concealed arms with sliding adjustable arm brackets, heavy gauge steel uprights with integral welded feet. Minimum space required: for one unit: 102mm (4”) for two to six units in a row: 152mm (6”) finished metal stud wall to back of pipe space.
FD	FLOOR DRAIN	75	3	38	1.5	-	-	-	-	-	-	Refer to specifications.
TSP	TRAP SEAL PRIMER	-	-	-	-	10/13	0.38/0.50	-	-	-	-	One – 10MM/0.38” PER FD, FFD, HD, PD

ELECTRIC HEATER SCHEDULE

REFER	TYPE	MAKE/MODEL	AIRFLOW CFM	HEATING CAPACITY	FAN MOTOR	ELECTRICAL			WEIGHT (LBS)	DIMENSIONS LXWXH (IN)	REMARKS
				MBH	HP	VOLTAGE	M.C.A.	M.O.C.P.			
EH-1/ EH-3	HEAVY-DUTY STEEL BASEBOARD HEATER	OUELLET/ OPR1508	-	5.1	-	208/1/60			37	63-15/16 X 3-1/8 X 10-1/8	
EH-2	CEILING FAN HEATER	OUELLET/ ODSR02008	310	6.8	1/50	208/1/60			31	23-5/8 X 23-5/8 X 8-3/4	
UH-1	COMMERCIAL INDUSTRIAL SUSPENDED UNIT HEATER	OUELLET/ OAS02008AM	510	6.8	1/30	208/1/60			45	16-1/2 X 12-1/8 X 17	

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4	ISSUED FOR COMMENTS	April 24, 2026
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KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROJECT :

PROFESSIONAL SEAL :

DWG TITLE :

PLUMBING FIXTURE
CONNECTION SCHEDULE



REGAL CONSULTING ENGINEERS INC.
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www.regal-eng.com

DATE : December 2025

SCALE : NTS

DRAWN BY : TD

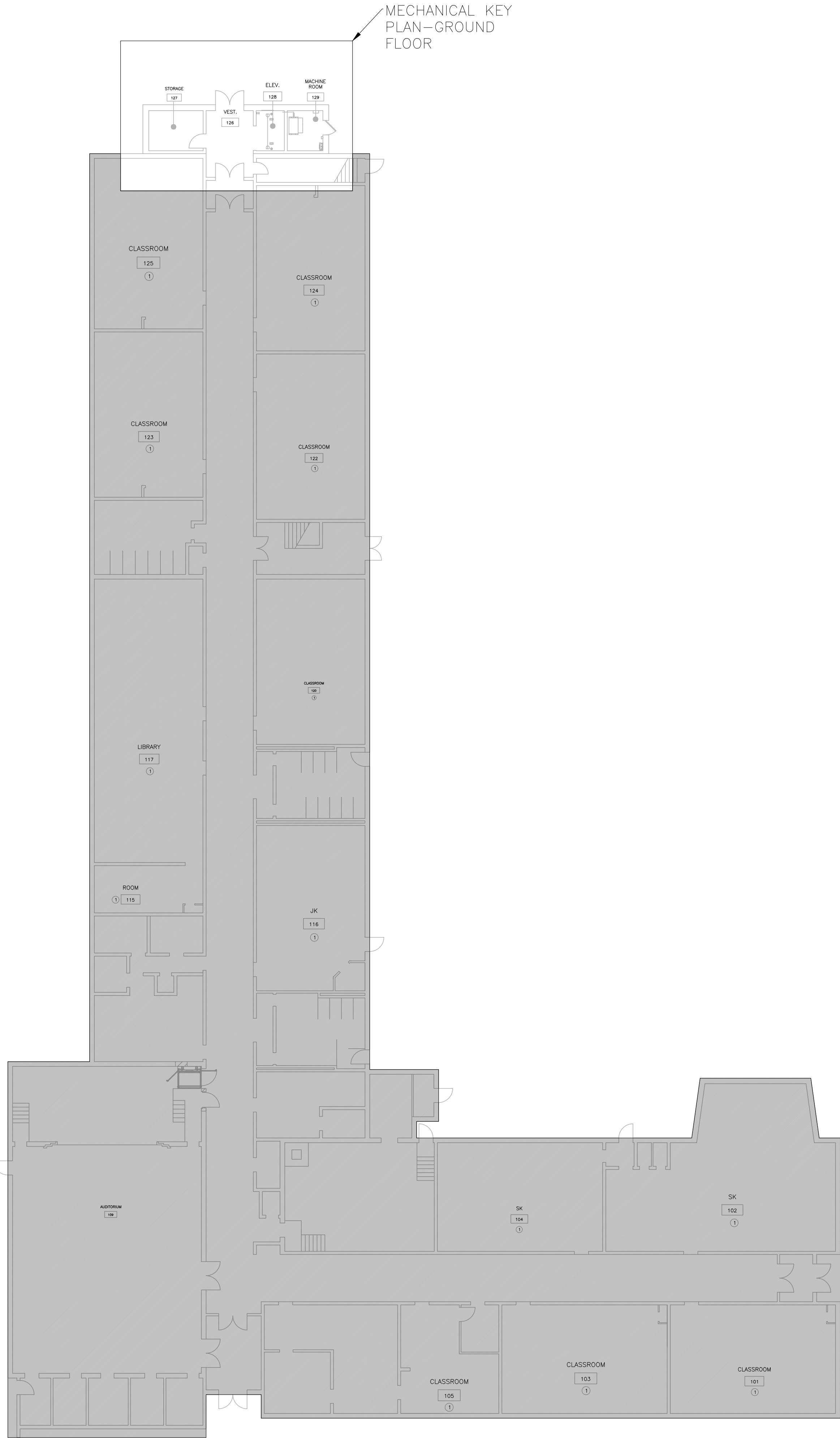
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DWG STATUS :
REVIEW

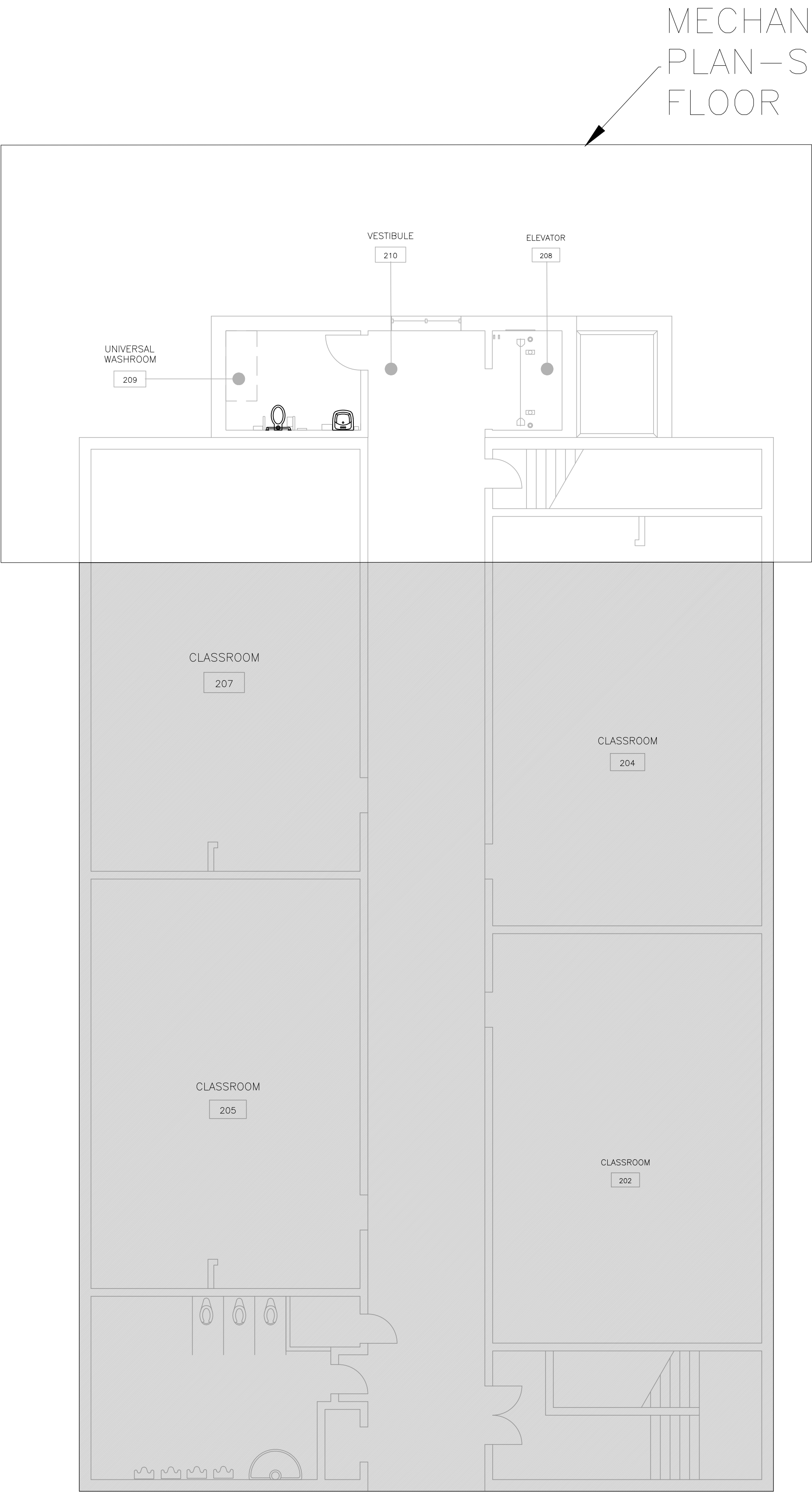
PROJECT No. :
2025-502

DRAWING No. :
M1.1

REVISION



MECHANICAL KEY
PLAN—GROUND
FLOOR



MECHANICAL KEY
PLAN—SECOND
FLOOR

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PROJECT :
**KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT**
660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :
MECHANICAL KEY PLANS



REGAL CONSULTING ENGINEERS INC.
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PROJECT No. :	2025-502
DRAWING No. :	M1.2
REVISION	



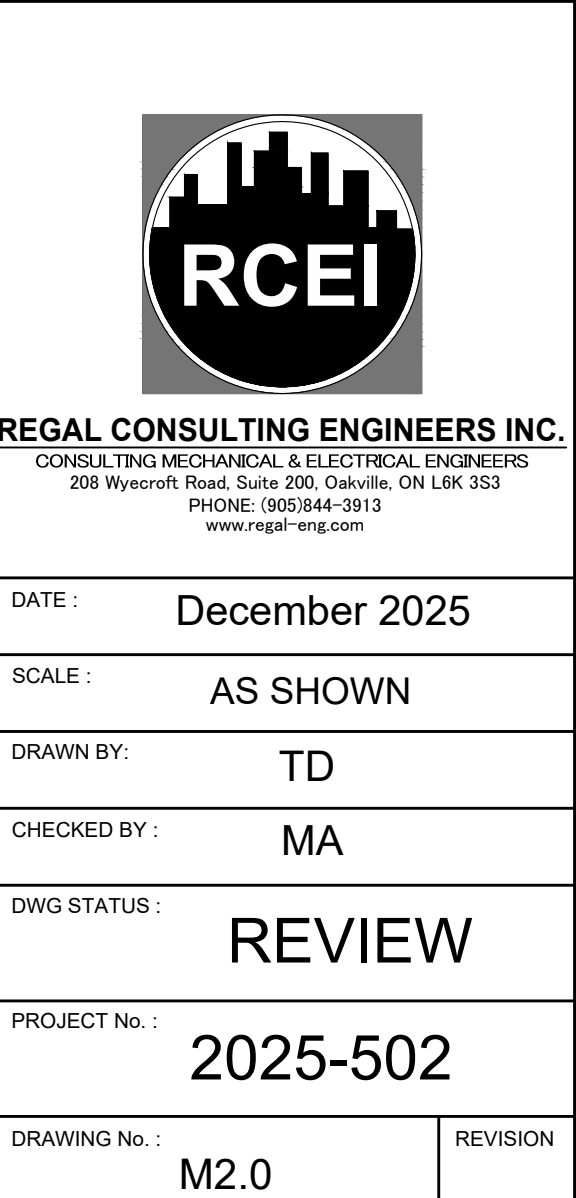
4" MAIN SAINTRY DRAIN LINE FROM THE 1ST FLOOR CUSTODIAN CLOSET

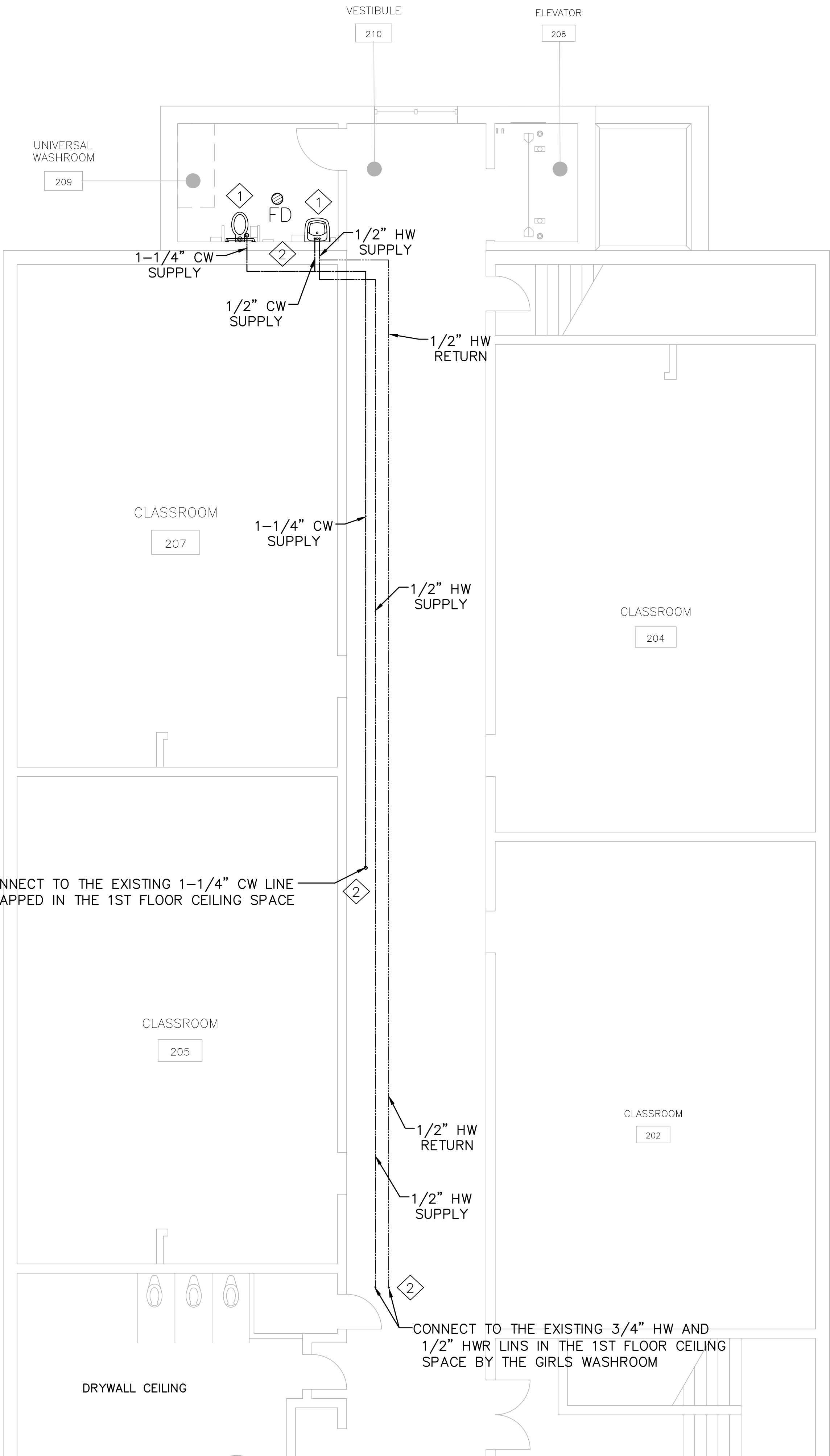
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8		

PROFESSIONAL SEAL :

DWG TITLE :

PROPOSED DRAINAGE PLAN





DRAWING NOTES	
1	SUPPLY AND INSTALL NEW FIXTURE UNITS AT THE LOCATION SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. PROVIDE HOT, COLD WATER AND HOT WATER RE-CIRCULATION CONNECTIONS.
2	PROVIDE AND INSTALL NEW DOMESTIC COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATION PIPES FROM THE EXISTING WASHROOM, RUN THROUGH THE CEILING SPACE AND CONNECT TO THE NEW PLUMBING FIXTURES ALONG WITH FITTINGS, SUPPORT, VALVES, INSULATION ETC.
3	MECHANICAL CONTRACTOR TO VERIFY THE EXACT LOCATION OF THE EXISTING PIPES TO CONNECT.

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PROJECT :

KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

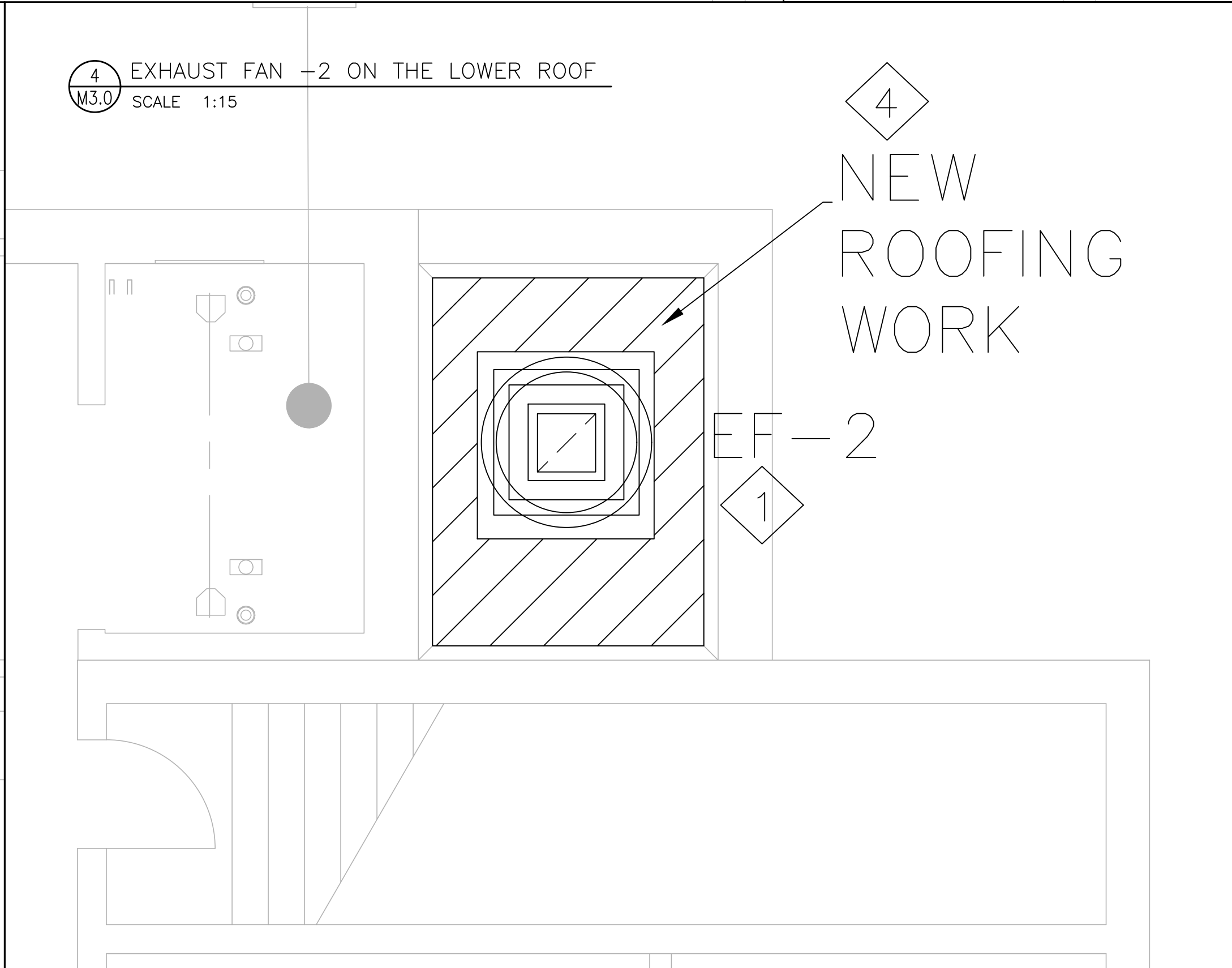
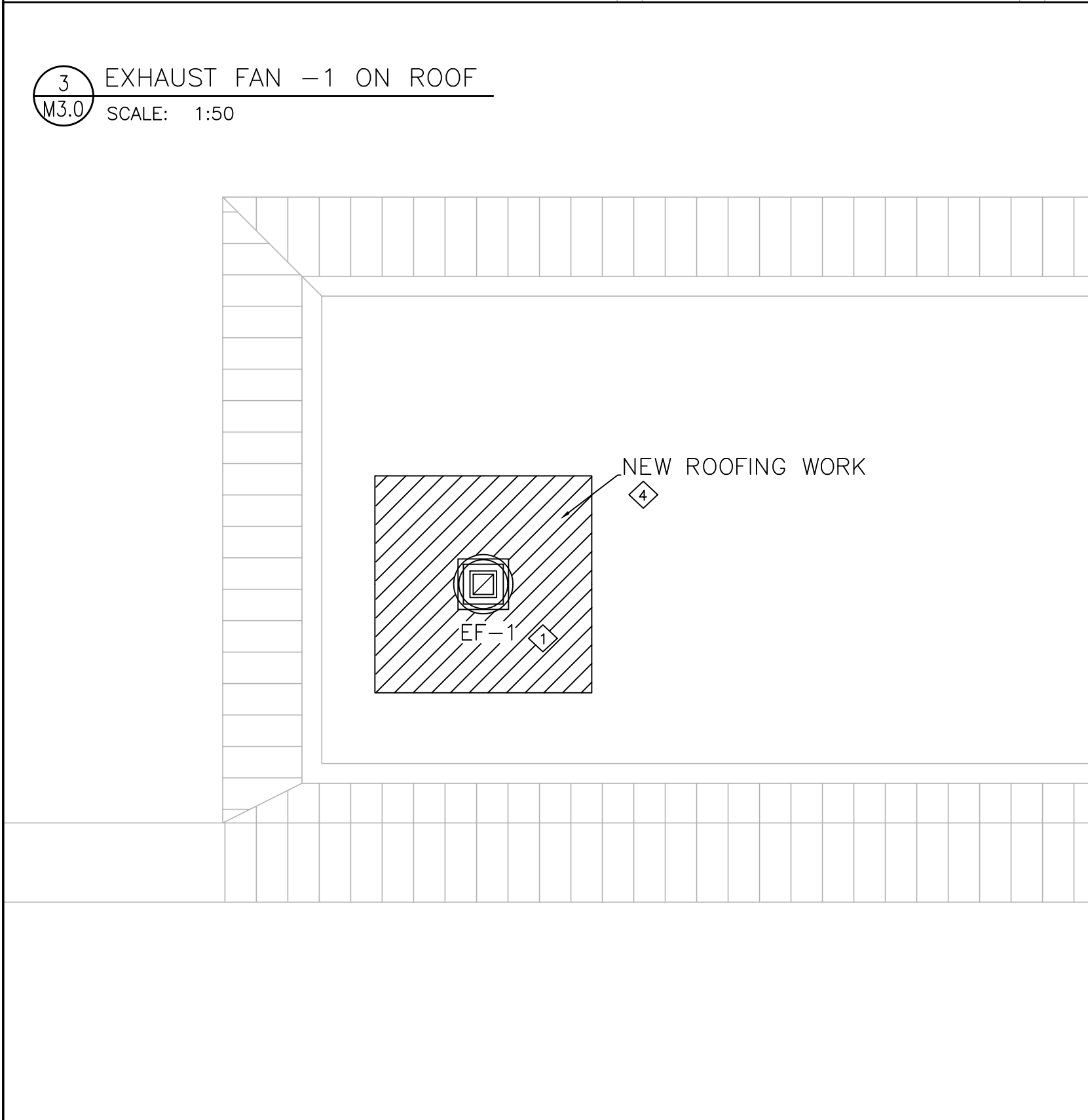
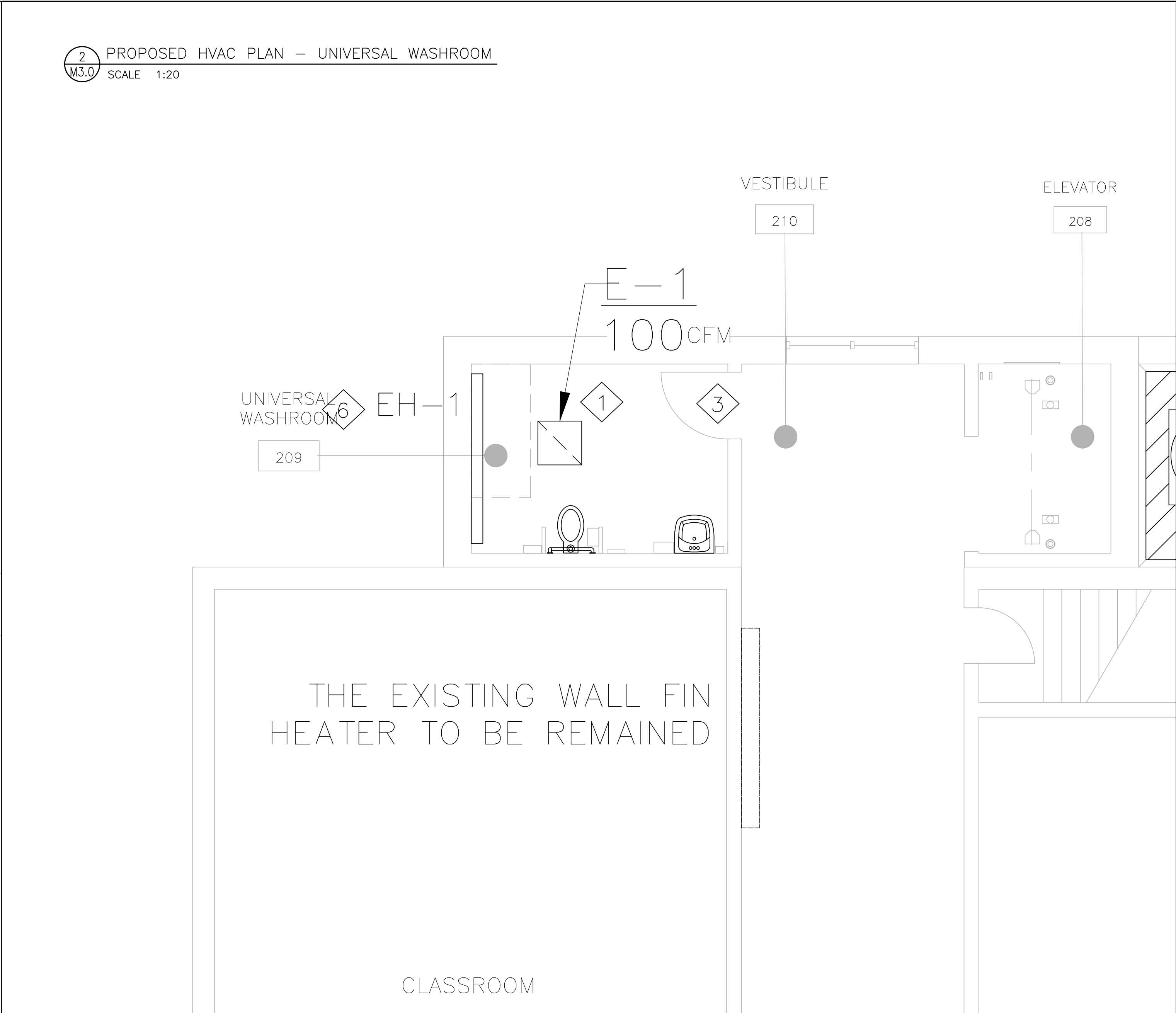
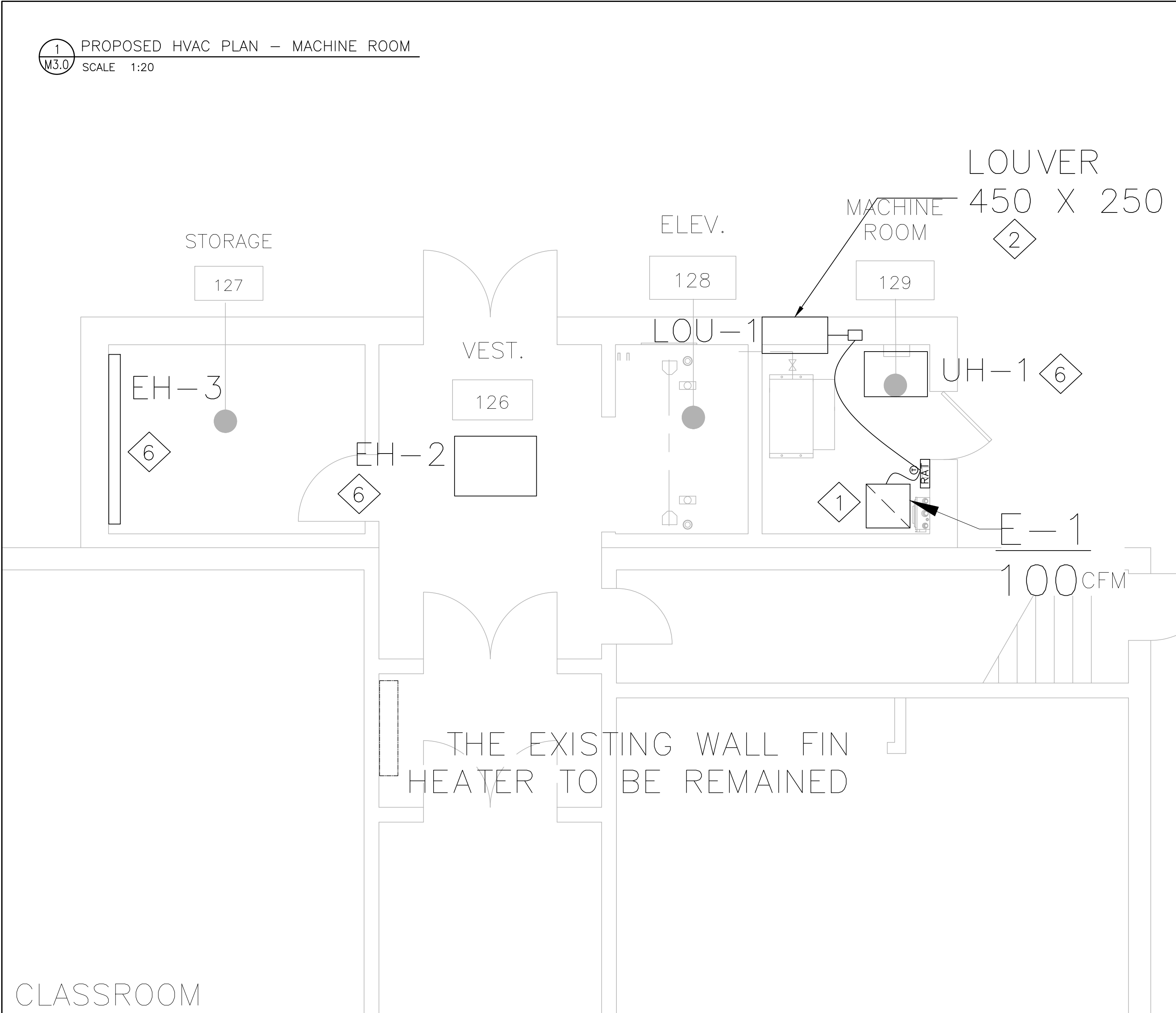
DWG TITLE :

PROPOSED PLUMBING PLAN



REGAL CONSULTING ENGINEERS INC.
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DATE :	December 2025	
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DWG STATUS :	REVIEW	
PROJECT No. :	2025-502	
DRAWING No. :	M2.1	REVISION



DRAWING NOTES	
1	PROVIDE AND INSTALL A DOWNBLAST EXHAUST FAN WITH A ROOF CURB AND A REVERSE ACTING THERMOSTAT.
2	PROVIDE AND INSTALL A DRAINABLE LOUVER WITH A BIRDSCREEN AND A MOTORIZED ACTUATOR CONNECTED TO THE RAT IN THE MECHANICAL ROOM AS SHOWN
3	ARCHITECT TO PROVIDE A DOOR WITH AN UNDERCUT.
4	NEW ROOFING WORK TO BE FINISHED 3FT AROUND THE PROPOSED EQUIPMENT.
5	ALL THE ROOFING WORK REQUIRED SHALL BE CARRIED OUT BY THE SCHOOL BOARD'S APPROVED ROOFING CONTRACTOR.
6	PROVIDE AND INSTALL ELECTRICAL BASEBOARD, CEILING FAN AND UNIT HEATERS AS SHOWN

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8	

PROJECT : KING'S ROAD PS, ACCESSIBILITY UPGRADES PROJECT

PROFESSIONAL SEAL :

DWG TITLE : PROPOSED HVAC PLAN


REGAL CONSULTING ENGINEERS INC.
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205 Wyseville Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : December 2025

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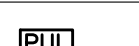
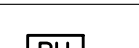
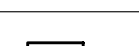
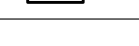
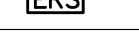
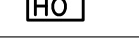
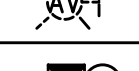
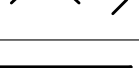
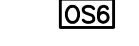
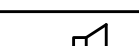
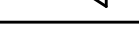
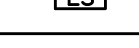
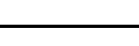
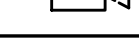
CHECKED BY : MA

DWG STATUS : REVIEW

PROJECT No. : 2025-502

DRAWING No. : M2.2

REVISION

LEGEND	
	ELECTRICAL PANEL
	NON-FUSED DISCONNECT SWITCH
	MOTOR CONNECTION (SINGLE OR THREE PHASE)
	MAIN SWITCH BOARD
	15A, 120V DUPLEX T-SLOT GROUND FAULT INTERRUPTER RECEPTACLE.
	DOOR OPERATOR
	OUTLET FOR PUSH TO LOCK
	OUTLET FOR PUSH TO UNLOCK
	STROBE LIGHT FOR EMERGENCY RESPONSE SYSTEM
	PATIENT UNIT FOR EMERGENCY RESPONSE SYSTEM
	OCCUPIED LIGHT FOR EMERGENCY RESPONSE SYSTEM
	EMERGENCY RESPONSE SYSTEM
	DOOR HOLD OPEN DEVICE
	FIRE ALARM CONTROL PANEL
	PHOTOELECTRIC TYPE SMOKE DETECTOR
	AUDIBLE & VISUAL DEVICE
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN & STROBE
	EMERGENCY LIGHTING FIXTURE
	EMERGENCY LIGHTING FIXTURE AND BATTERY
	SURFACE OR RECESS MOUNTED LIGHTING FIXTURE. LETTER DENOTES TYPE
	SURFACE OR RECESS MOUNTED LIGHTING FIXTURE. LETTER DENOTES TYPE
	TELEPHONE OUTLET MOUNTED AT 1500MM A.F.F C/W 21MM CONDUIT.
	WALL MOUNT PIR OCCUPANCY SENSOR
	HAND DRYER
	CEILING MOUNTED SPEAKER C/W 21MM CONDUIT
	WALL MOUNTED SPEAKER C/W 21MM CONDUIT
	OUTLET FOR SECURITY DOOR STRIKE
	OUTLET FOR SECURITY CONCEALED DOOR CONTACT
	OUTLET FOR SECURITY HID CARD ACCESS READER
WG	WIRE GUARD
R	'R' INDICATES RELOCATE
EX	'EX' INDICATES EXISTING
ER	'ER' INDICATES EXISTING TO REMAIN
	OUTLET FOR CLOSED CIRCUIT CAMERA
	CEILING MOUNTED OCCUPANCY SENSOR

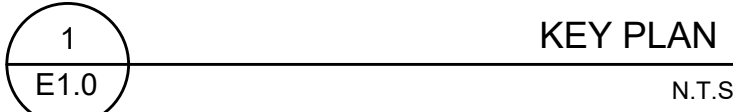
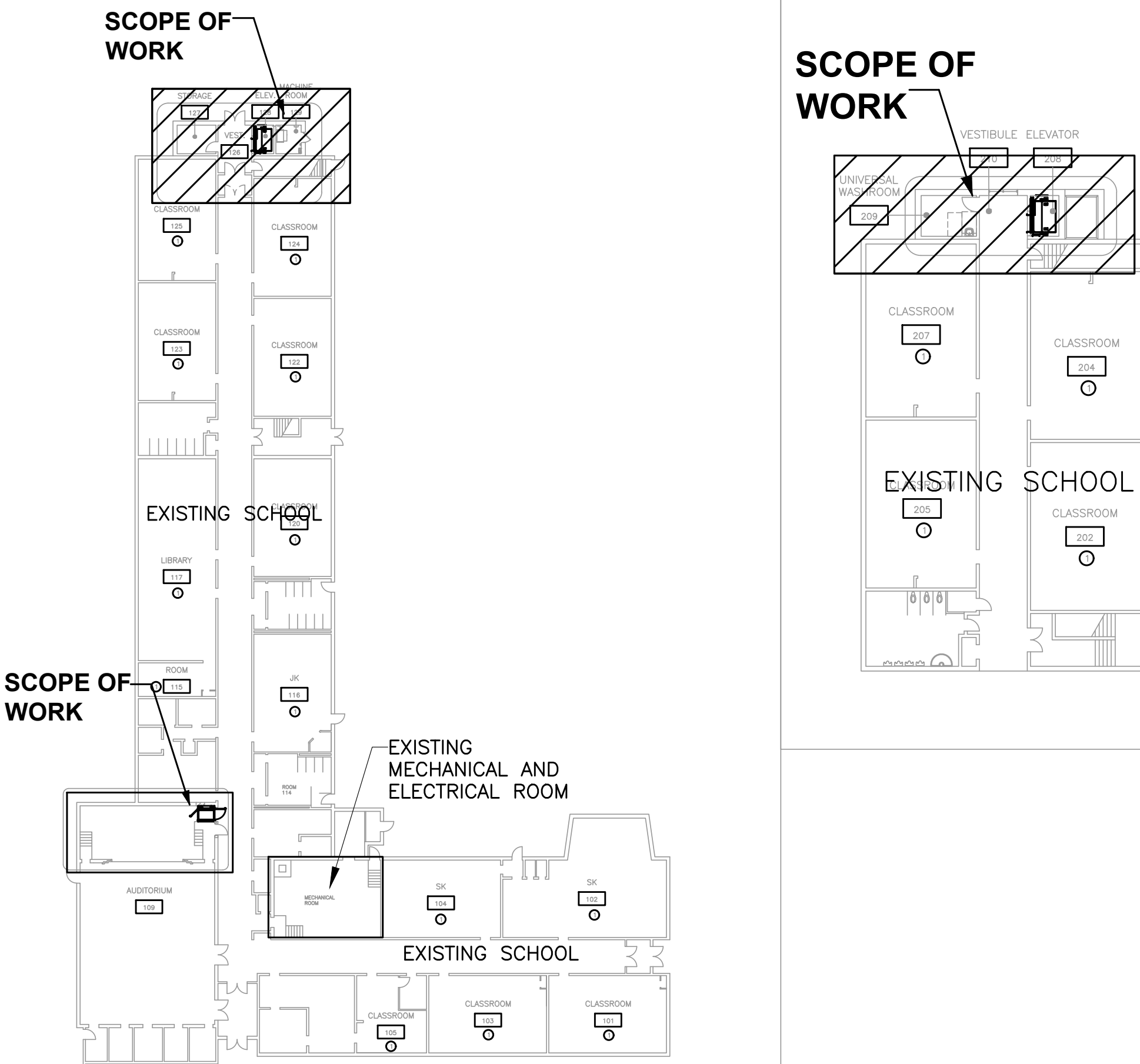
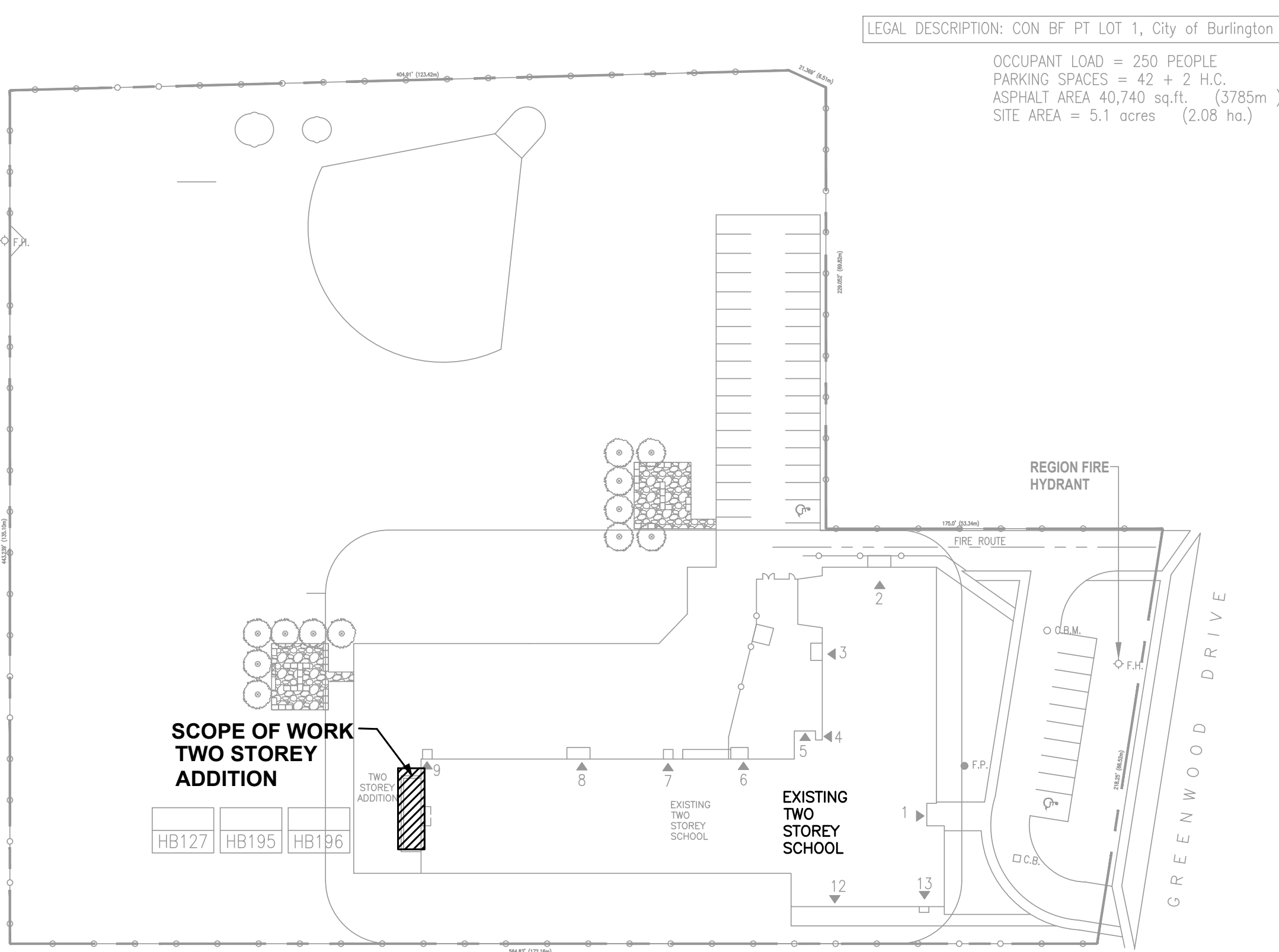
GENERAL NOTES	
1.	ELECTRICAL CONTRACTOR SHALL BALANCE CIRCUIT LOADS AS CLOSELY AS POSSIBLE.
2.	DIV 26 SHALL REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR ALL SCOPE OF WORK OF DIVISION 26 WHICH ARE RELATED TO OTHER TRADES.
3.	PROVIDE AND INSTALL EACH ITEM MENTIONED OR INDICATED OF QUALITY AND SUBJECT TO QUALIFICATIONS NOTED. PERFORM ACCORDING TO CONDITIONS STATED EACH OPERATIONS STATED, EACH OPERATION PRESCRIBED. PROVIDE THEREFORE ALL LABOR, MATERIAL, EQUIPMENT, INCIDENTALS AND SERVICES REQUIRED TO COMPLETE THE INSTALLATION.
4.	SCHEDULE AND COORDINATE ALL WORK WITH OTHER TRADES.
5.	EXAMINE THE SITE, EXISTING EQUIPMENT AND THE LOCAL CONDITION AFFECTING THE WORK UNDER THIS CONTRACT. NO EXTRAS WILL BE PAID SUBSEQUENTLY FOR ANY OBVIOUS CONSIDERATIONS MISSED OR OVERLOOKED BY THE CONTRACTOR.
6.	REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF EQUIPMENT AND DEVICES PRIOR TO ROUGH IN.
7.	RE-ROUTE AS REQUIRED TO MAINTAIN CONTINUITY FOR ALL SYSTEMS TO REMAIN WHICH ARE AFFECTED BY THE ADDITION/ALTERATION.
8.	ANY INTERRUPTION TO THE POWER SUPPLY TO THE EXISTING BUILDING SHALL BE CO-ORDINATED WITH THE SCHOOL BOARD/ARCHITECT ON SITE.
9.	PROVIDE AND INSTALL STAINLESS STEEL BLANK COVER PLATES WHERE OUTLETS ARE REMOVED FROM EXISTING WALLS THAT ARE TO REMAIN.
10.	ALL ELECTRICAL WRING AND LOW VOLTAGE WRING SHALL BE RUN IN CONDUITS. FREE AIR CABLES ARE NOT PERMITTED ON THIS PROJECT.
11.	PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AS SHOWN ON THE DELIVERED DRAWINGS TO MATCH EXISTING AND CONNECT TO EXISTING RESPECTIVE FIRE ALARM ZONES AND CIRCUITS WITH SUFFICIENT CAPACITY, VERIFY ON SITE FOR MORE DETAILS. THE EXISTING FIRE ALARM PANEL SHALL BE RECONFIGURED, MODIFIED, PROGRAMMED AND UPDATED TO SUIT INCLUDING NEW BOOSTER POWER SUPPLY, NEW ZONE CARDS, NEW MODULES, NEW RELAYS ETC TO HANDLE THE INSTALLATION OF NEW FIRE ALARM DEVICES. PROVIDE 3/4" CONDUIT FOR FIRE ALARM WIRING, BACK BOXES, ETC AND ALL ACCESSORIES AS REQUIRED FOR A FULLY OPERATIONAL FIRE ALARM SYSTEM, ALLOW FOR TESTING AND VERIFICATION.
12.	ALL ELECTRICAL INSTALLATIONS SHALL BE RECESSED/CONCEALED INSTALLATIONS WHEREVER POSSIBLE; OTHERWISE PROVIDE WIREMOLD STEEL SURFACE MOUNTED RACEWAY C/W SURFACE MOUNTED OUTLETS. CO-ORDINATE WITH CONSULTANTS PRIOR TO INSTALLATION.
13.	IDENTIFY THE SCOPE OF WORK FOR REMOVAL OF THE CEILING TILES TO GENERAL CONTRACTOR FOR PRICING PURPOSE. DURING TENDER PERIOD, ELECTRICAL CONTRACTOR SHALL CO-ORDINATE AND INFORM THE GENERAL CONTRACTOR FOR THE REMOVAL OF EXISTING CEILING AND FLOORS FOR THE SAKE OF EXTENDING/REMOVING ELECTRICAL SERVICES FROM THE EXISTING BUILDING AND FOR ALL THE RENOVATION/UPGRADATION WORK REQUIRED IN THE EXISTING BUILDING.
14.	MODIFY/EXTEND/REPLACE EXISTING CONDUITS/WIRING/BACKBOXES AS REQUIRED FOR THE RELOCATED AND EXISTING TO REMAIN EQUIPMENT/DEVICES FOR FULLY OPERATIONAL SYSTEM.
15.	CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS (LIGHT AS WELL AS POWER) AND SHALL MAINTAIN VOLTAGE DROP WITH PERMISSIBLE LIMITS AS PER OESC REQUIREMENTS AND PROVIDE PROPER WIRE SIZES ACCORDINGLY PRIOR TO COMMENCING OF ROUGH-IN INSTALLATION. THE VOLTAGE DROP CALCULATIONS SHALL BE BASED ON MAXIMUM CURRENT AMPACITY.
16.	MODIFY PANEL DIRECTORIES OF RESPECTIVE PANELS TO ADD NEW CIRCUITS TO SUIT.
17.	PROVIDE SINGLE HEAD J-HOOKS OF 2" DIA. SUSPENDED FROM SLAB IN THE CEILING SPACE OF ALL ROOMS UNDER SCOPE OF WORK. PROVIDE J-HOOKS EVERY 2 FEET AND SUSPENDED BELOW ANY PIPING, MECHANICAL DUCTS ETC. NO RUN OF LOOSE CABLE FROM CONDUIT STAB UP SHALL EXCEED 10 FEET TO FIRST J-HOOK. PROVIDE QUANTITY OF J-HOOKS TO SUIT FOR FULL COVERAGE THROUGHOUT FLOOR AREA OF NEW ADDITION/RENOVATION.
18.	WHEREVER NEW BREAKERS/DISCONNECT SWITCHES ARE REQUIRED TO BE ADDED IN EXISTING SWITCHBOARDS/DISTRIBUTION PANELS/PANELS AS INDICATED ON THE DRAWINGS, ELECTRICAL CONTRACTOR SHALL MODIFY, EXTEND BUS, PROVIDE BRACKETS, RETROFIT AND TO ALLOW FOR THE INSTALLATION OF THE NEW REQUIRED/INDICATED CIRCUIT BREAKERS/DISCONNECT SWITCHES WITHIN THE EXISTING ELECTRICAL PANEL. CONTRACTOR SHALL VERIFY ON SITE FOR THE SCOPE AND EXTENT OF WORK AND SHALL CO-ORDINATE WITH PANEL MANUFACTURER FOR MORE DETAILS AND THEN PROCEED ACCORDINGLY. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS (INCLUDING BUT NOT LIMITED TO : CUSTOM MADE PARTS, BUS ASSEMBLY, HARDWARE ETC.). LABOR ETC. FOR FULLY OPERATIONAL SYSTEM. THE NEW BREAKERS/DISCONNECT SWITCHES TO BE ADDED SHALL BE FROM THE SAME MANUFACTURER AS EXISTING. KA RATING OF THE NEW BREAKERS/DISCONNECT SWITCHES SHALL MATCH EXISTING OR NEXT HIGHER AVAILABLE VALUE.
19.	PROVIDE NEW PANEL DIRECTORIES FOR ALL THE NEW PANELS INDICATING ALL CIRCUITS FED FROM THE RESPECTIVE PANELS. NAME HE UNUSED BREAKERS AS 'SPARE'.
20.	IN CASE OF NON-ACCESSIBLE CEILING. ALL WIRING UP TO ELECTRICAL DEVICES SHALL BE DONE IN CONDUITS TO SUIT APPLICATION TO FACILITATE MAINTENANCE.
21.	PROVIDE CONDUITS AND BACK BOXES FOR LIGHTING CONTROL DEVICES TO SUIT APPLICATIONS AND AS PER MANUFACTURER'S RECOMMENDATIONS.
22.	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING MECHANICAL/ELECTRICAL FIXTURES WHEN ENCOUNTERED IN ORDER TO FACILITATE LOCATION OF NEW ELEVATOR AND MAKE ALL NECESSARY ARRANGEMENTS. FOR DISCONNECTING / RE-ROUTING / RELOCATING AS REQUIRED.
23.	PRIOR TO THE CONSULTANT RELEASING THE COMPLIANCE LETTER, THE WORK MUST BE COMPLETE AND SAFE. AND THE FOLLOWING DOCUMENTATION MUST BE SUBMITTED WITH NO DEFICIENCIES: a. ESA INSPECTION CERTIFICATE b. FIRE ALARM VERIFICATION REPORT (WITHOUT EXCEPTIONS) c. FIRE ALARM AUDIBLITY REPORT (WITHOUT EXCEPTIONS) d. EMERGENCY LIGHTING TESTING REPORT

ELECTRICAL DRAWING LIST

E1.0	LEAD SHEET , SCHEDULES & KEY PLAN
E2.0	DEMOLITION SITE PLAN
E2.1	EXISTING ELECTRICAL PANEL LOCATION PLAN
E2.2	PROPOSED SINGLE LINE DIAGRAM AND ELECTRICAL DETAILS
E3.0	PROPOSED POWER PLAN
E4.0	PROPOSED LIGHTING PLAN
E5.0	PROPOSED FIRE ALARM PLAN
E6.0	ELECTRICAL SPECIFICATIONS

PROPOSED LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP/FIXTURE MAKE/MODEL	VOLT	LUMENS	LAMP			MOUNT
					WATT	TYPE	COL.	
M	1'X4' SURFACE FIXTURE	PEERLESS ELECTRIC LXHL-14-32-40K-12-05-MV EQUALS: VISIONEERING, LITHONIA AND GE	120-277	4000	29	LED	4000	SURFACE MOUNTED
A2	2'X4' RECESSED FIXTURE	LITELINE LEDP-24-WH-40-40 EQUALS: PEERLESS-ELECTRIC AND LITHONIA	120-277	4860	40	LED	4000	CEILING RECESSED
MA	LED FULL CUT OFF WALL PACK, DIE CAST ALUMINIUM HOUSING AND DOOR	EXO OUTDOOR LIGHTING LNC2-48L35-4K7-3-UNV EQUIVALENT BY COOPER, CANLYTE OR GE	120-277		35	LED	4000	WALL MOUNTED



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6		
7		
8		

KING'S ROAD PS, ACCESSIBILITY UPGRADES PROJECT

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROJECT :

PROFESSIONAL SEAL :

DWG TITLE :

ELECTRICAL LEAD
SHEET, DETAILS, KEY PLAN
AND PANEL SCHEDULES



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : December 2025

SCALE : AS NOTED

DRAWN BY: AS

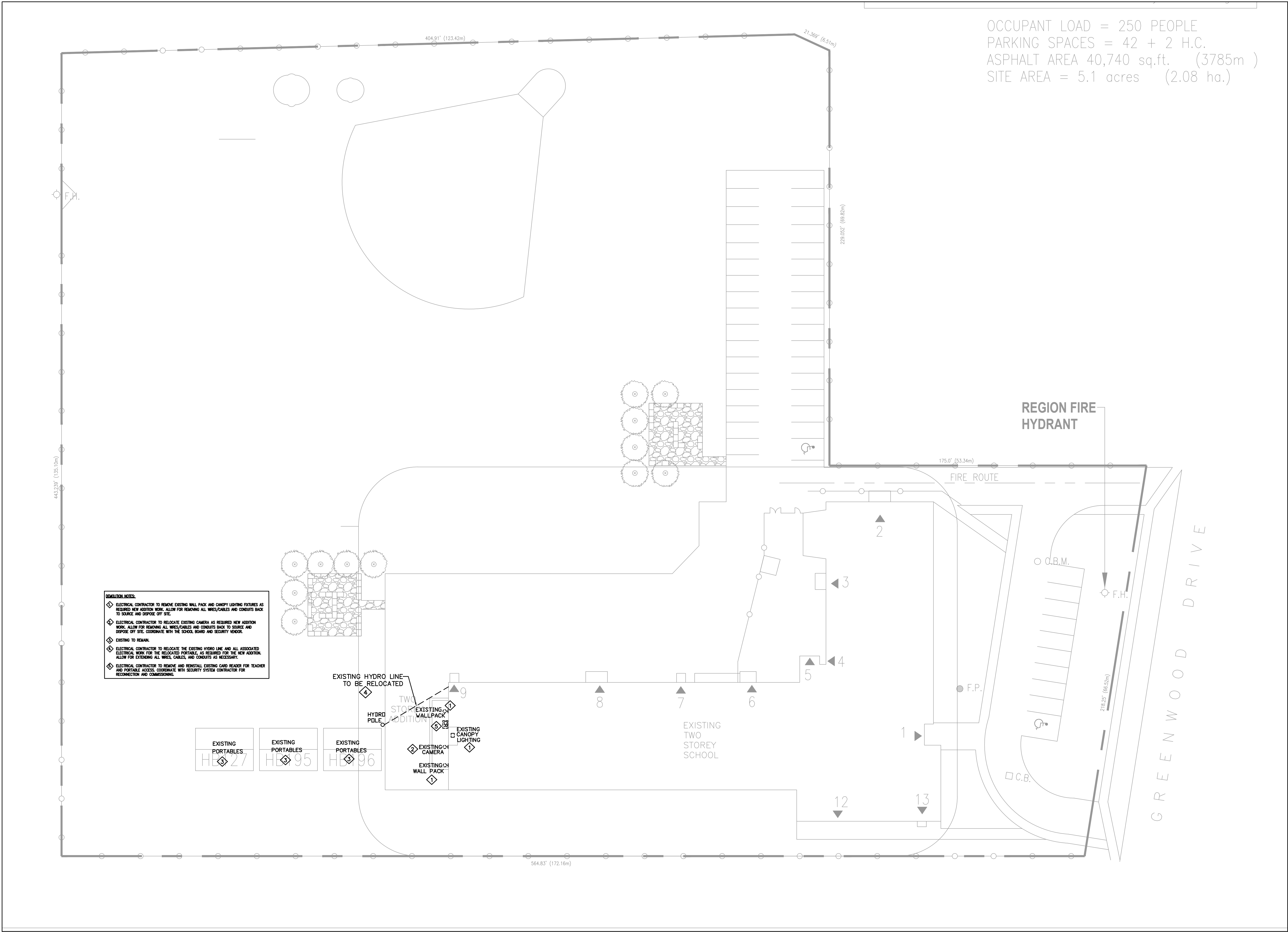
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DWG STATUS : REVIEW

PROJECT No. : 2025-502

DRAWING No. : E1.0

REVISION



OCCUPANT LOAD = 250 PEOPLE
PARKING SPACES = 42 + 2 H.C.
ASPHALT AREA 40,740 sq.ft. (3785m²)
SITE AREA = 5.1 acres (2.08 ha.)

- DEMOLITION NOTES:**
- ⬠ ELECTRICAL CONTRACTOR TO REMOVE EXISTING WALL PACK AND CANOPY LIGHTING FEATURES AS REQUIRED NEW ADDITION WORK. ALLOW FOR REMOVING ALL WIRES/CABLES AND CONDUITS BACK TO SOURCE AND DISPOSE OFF SITE.
 - ⬠ ELECTRICAL CONTRACTOR TO RELOCATE EXISTING CAMERA AS REQUIRED NEW ADDITION WORK. ALLOW FOR REMOVING ALL WIRES/CABLES AND CONDUITS BACK TO SOURCE AND DISPOSE OFF SITE. COORDINATE WITH THE SCHOOL BOARD AND SECURITY VENDOR.
 - ⬠ EXISTING TO REMAIN.
 - ⬠ ELECTRICAL CONTRACTOR TO RELOCATE THE EXISTING HYDRO LINE AND ALL ASSOCIATED ELECTRICAL WORK FOR THE RELOCATED PORTABLE, AS REQUIRED FOR THE NEW ADDITION. ALLOW FOR EXTENDING ALL WIRES, CABLES, AND CONDUITS AS NECESSARY.
 - ⬠ ELECTRICAL CONTRACTOR TO REMOVE AND REINSTALL EXISTING CORD READER FOR TEACHER AND PORTABLE ACCESS. COORDINATE WITH SECURITY SYSTEM CONTRACTOR FOR RECONNECTION AND COMMISSIONING.

EXISTING PORTABLES
H.E. 27
H.E. 95
H.E. 96

EXISTING TWO STOREY SCHOOL
EXISTING HYDRO LINE TO BE RELOCATED
HYDRO POLE
EXISTING WALL PACK
EXISTING CAMERA
EXISTING CANOPY LIGHTING
EXISTING WALL PACK

REGION FIRE
HYDRANT

FIRE ROUTE

GREENWOOD DRIVE

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PROJECT :
**KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT**
660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :
DEMOLITION SITE PLAN



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : **December 2025**

SCALE : **AS NOTED**

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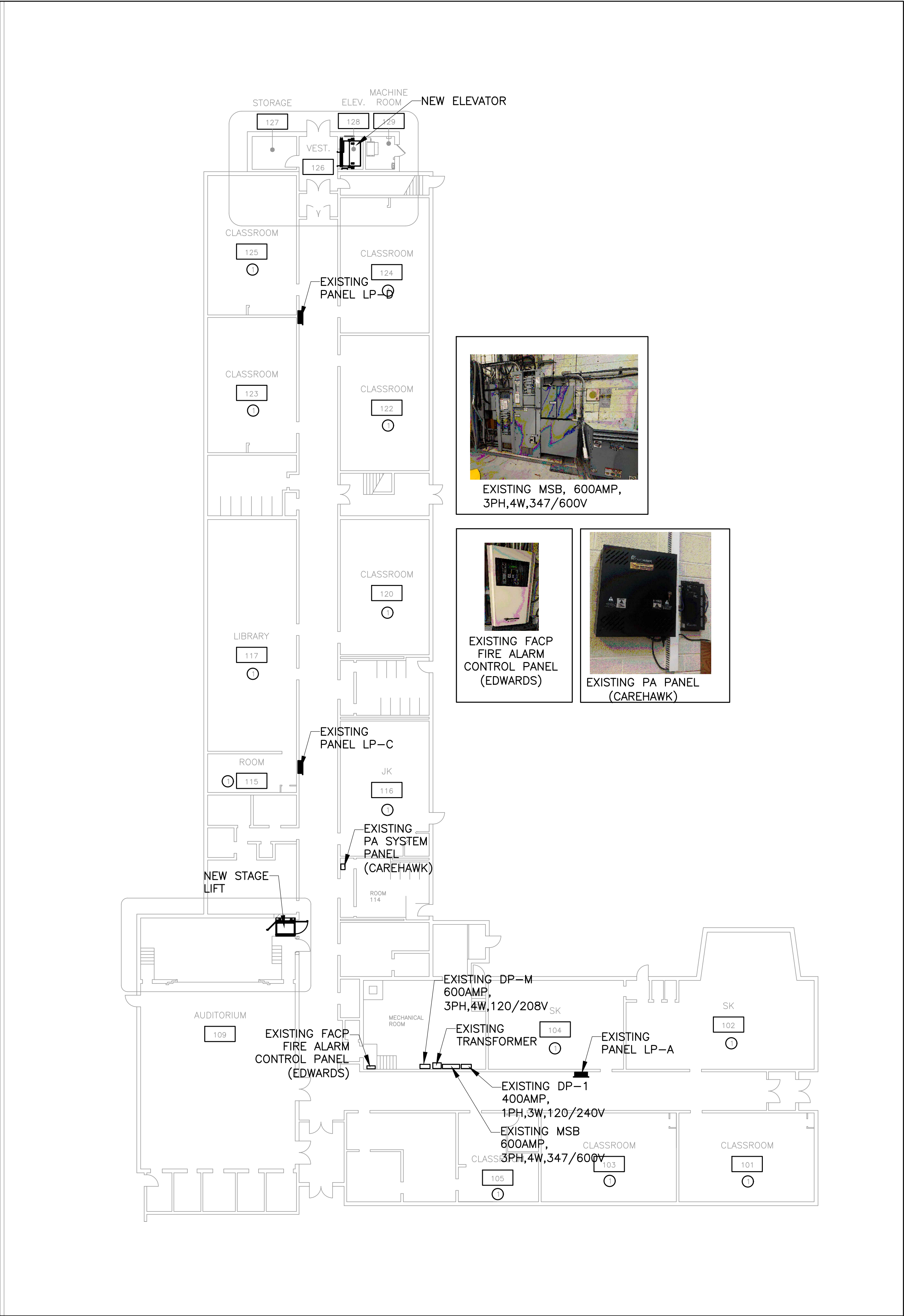
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DWG STATUS : **REVIEW**

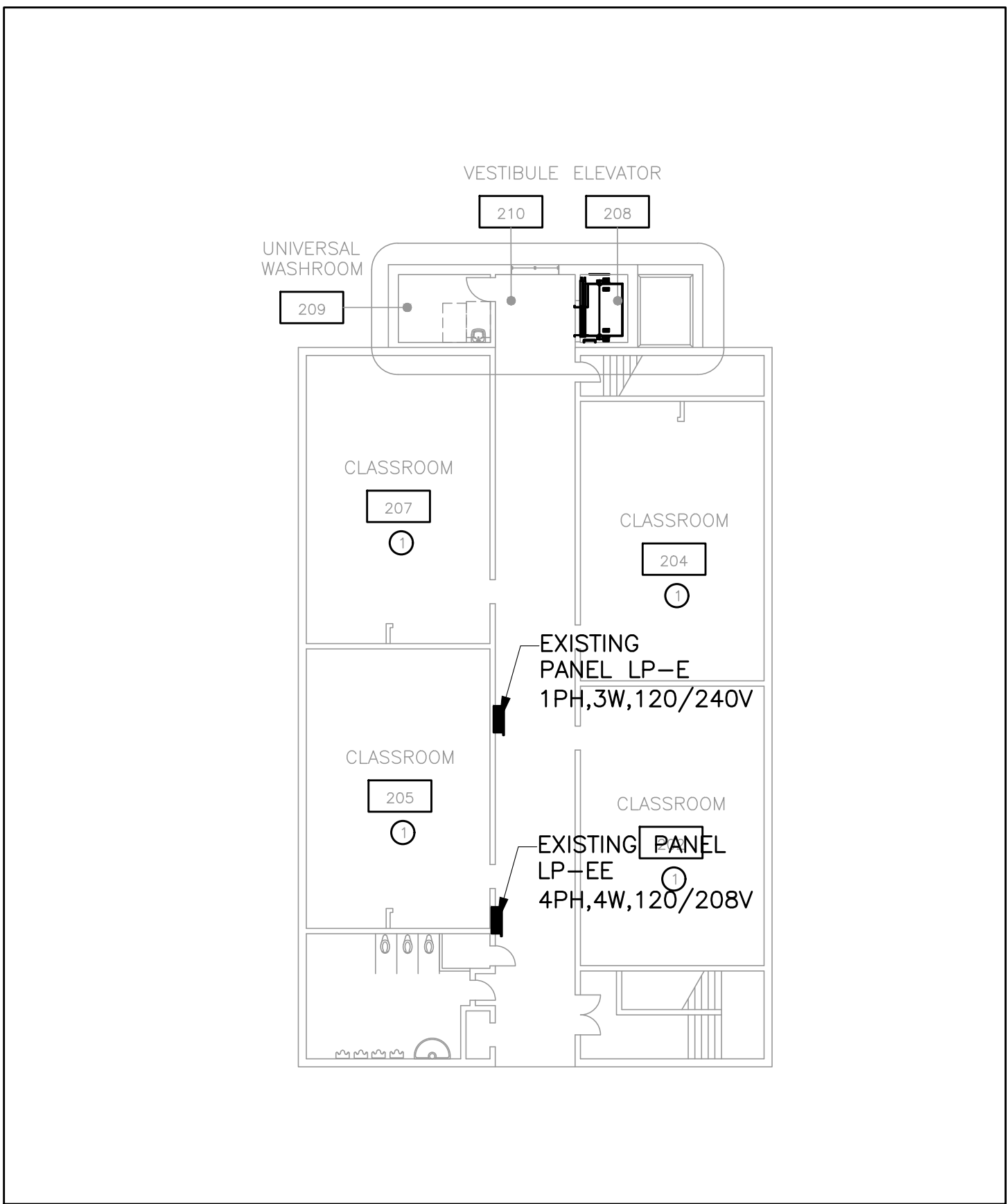
PROJECT No. : **2025-502**

DRAWING No. : **E2.0**

REVISION



1
E2.1
1:50
EXISTING GROUND FLOOR ELECTRICAL PANEL LOCATION



2
E2.1
1:50
EXISTING SECOND FLOOR ELECTRICAL PANEL LOCATION

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**KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT**
660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :
**EXISTING ELECTRICAL
PANEL LOCATION PLAN**



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE :
December 2025

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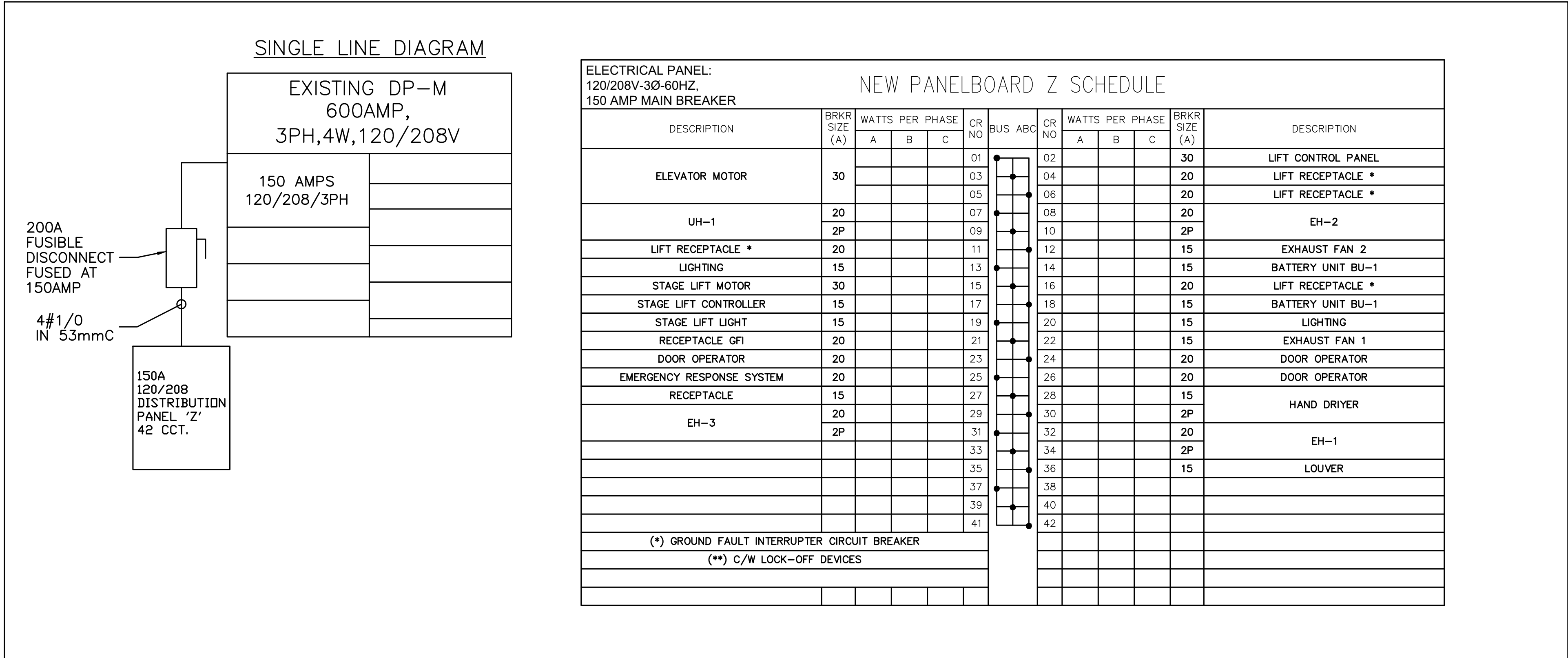
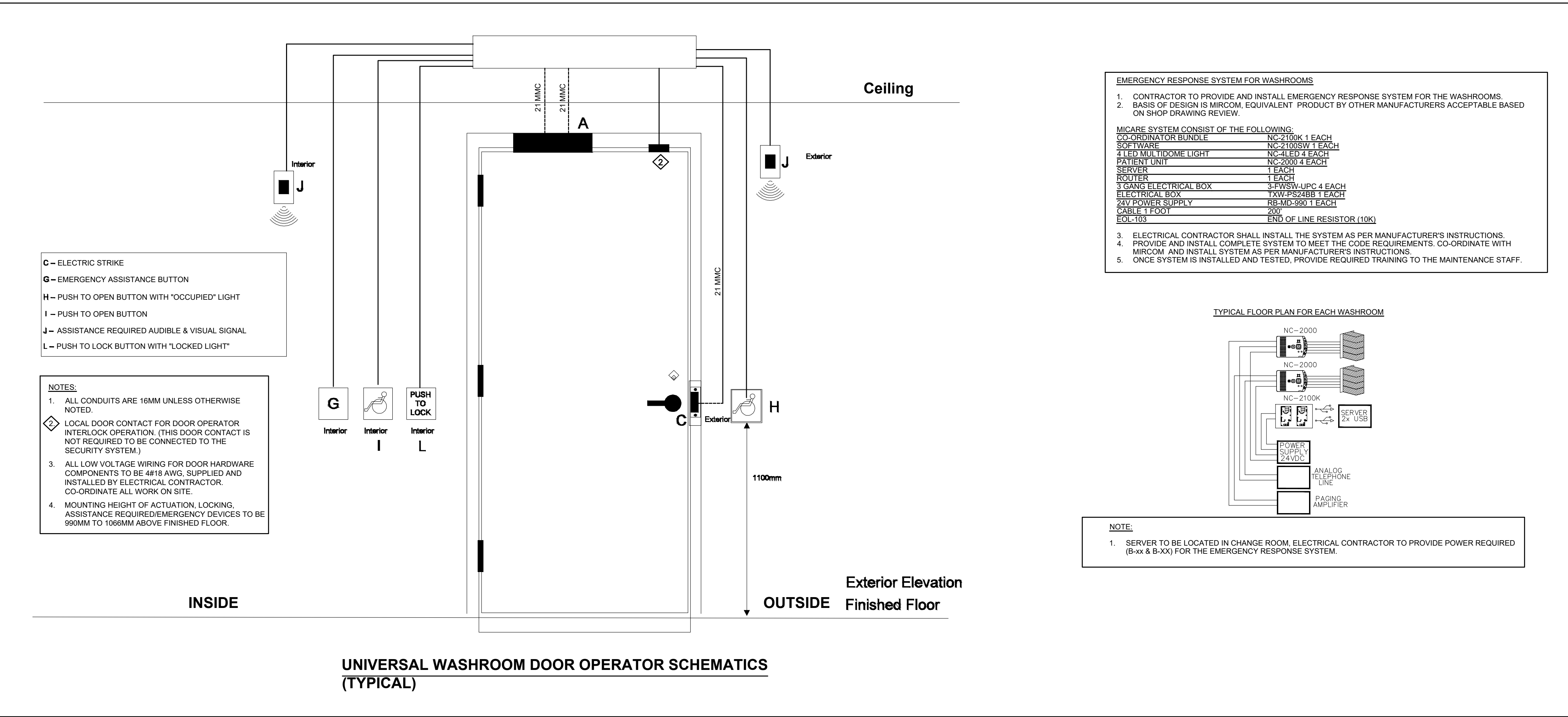
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DWG STATUS :
REVIEW

PROJECT No. :
2025-502

DRAWING No. :
E2.1

REVISION



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PROJECT : **KING'S ROAD PS, ACCESSIBILITY UPGRADES PROJECT**

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE : **PROPOSED SINGLE LINE DIAGRAM AND ELECTRICAL DETAILS**



DATE : **December 2025**

SCALE : **AS NOTED**

DRAWN BY : **AS**

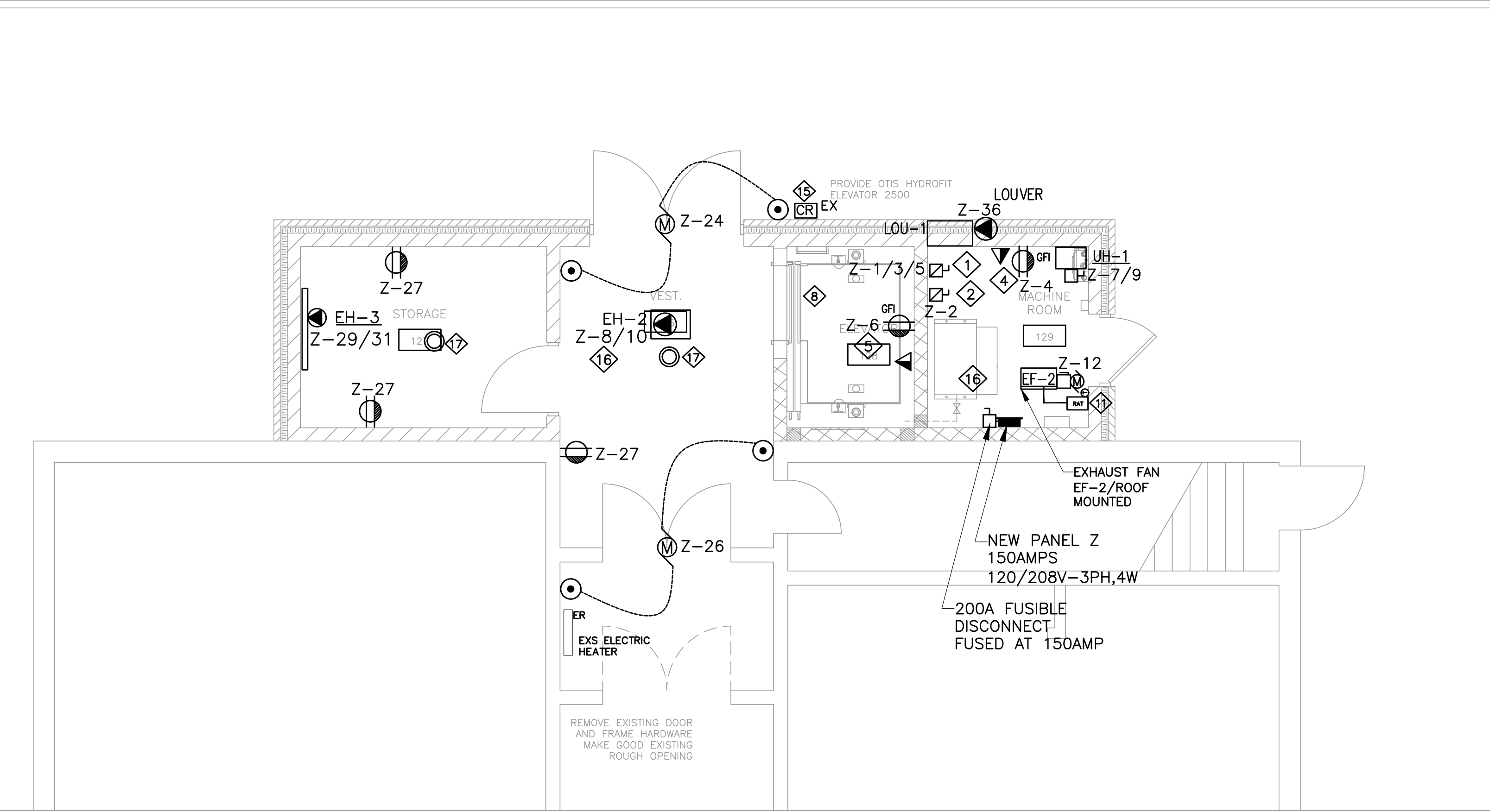
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DWG STATUS : **REVIEW**

PROJECT No : **2025-502**

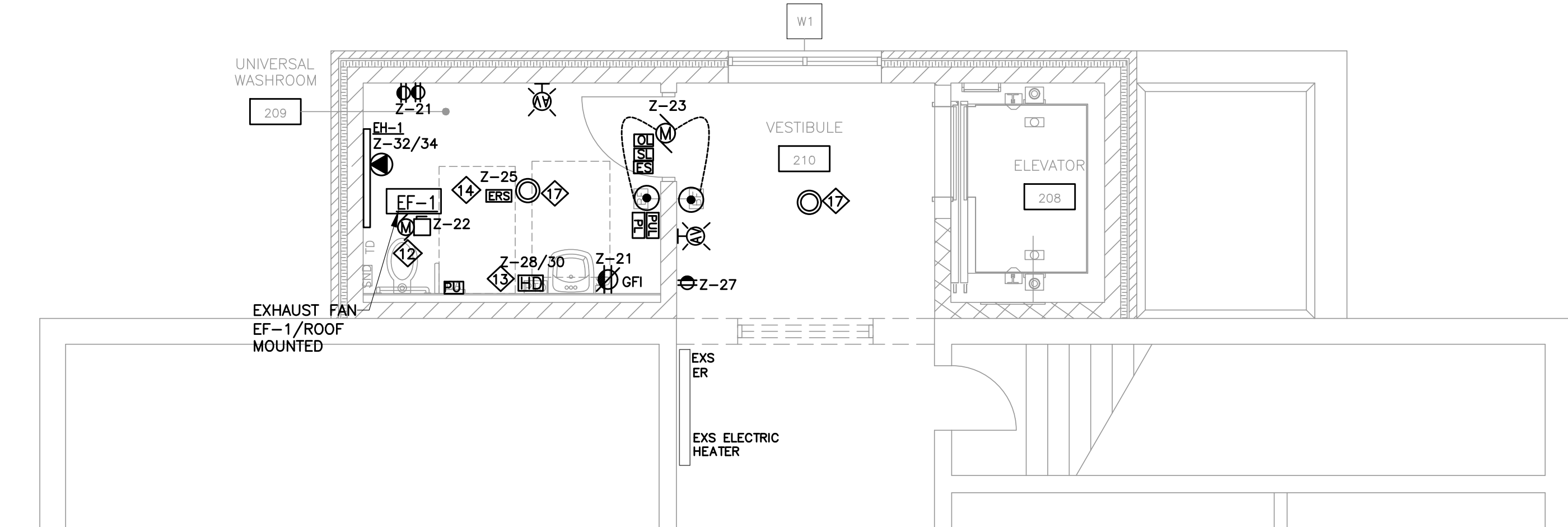
DRAWING No : **E2.2**

REVISION



ENLARGED ELEVATOR, MACHINE ROOM AND STORAGE PLAN

1:50

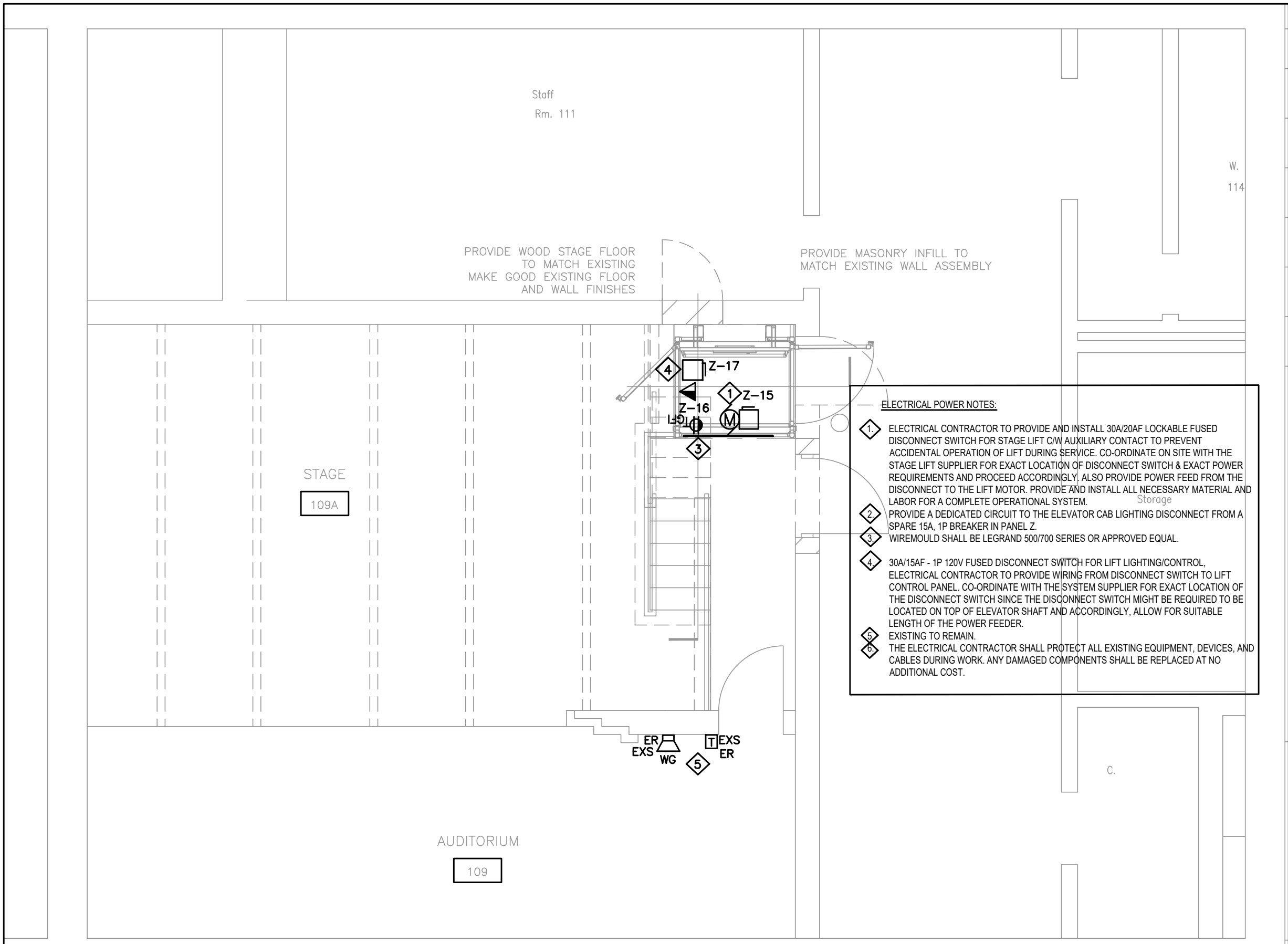


1 PROPOSED GROUND AND SECOND FLOOR POWER PLAN

E3.0

1:50

- ELECTRICAL POWER NOTES:**
- 30A/30AF - 3P 208V LOCKABLE FUSED (FUSE TO MANUFACTURERS REQUIREMENTS) DISCONNECT SHALL BE C/W AN AUXILIARY CONTACT FOR BATTERY LOWERING THAT IS POSITIVELY OPENED MECHANICALLY. THE OPENING NOT BEING SOLELY DEPENDENT ON SPRINGS, AND IN THE CONTROL CIRCUIT TO PREVENT THE MOVEMENT OF THE CAR WHEN THE DISCONNECT SWITCH IS OPEN FOR LIFT. ELECTRICAL CONTRACTOR TO PROVIDE WIRING FROM DISCONNECT SWITCH TO ELEVATOR MOTORS VIA CONTROL PANEL. CO-ORDINATE WITH THE SYSTEM SUPPLIER FOR THE EXACT LOCATION OF THE DISCONNECT SWITCH SINCE THE DISCONNECT SWITCH MIGHT BE REQUIRED TO BE LOCATED ON TOP OF ELEVATOR SHAFT AND ACCORDINGLY, ALLOW FOR SUITABLE LENGTH OF THE POWER FEEDER.
 - 30A/15AF - 1P 120V FUSED DISCONNECT SWITCH FOR LIFT LIGHTING/CONTROL. ELECTRICAL CONTRACTOR TO PROVIDE WIRING FROM DISCONNECT SWITCH TO LIFT CONTROL PANEL. CO-ORDINATE WITH THE SYSTEM SUPPLIER FOR EXACT LOCATION OF THE DISCONNECT SWITCH SINCE THE DISCONNECT SWITCH MIGHT BE REQUIRED TO BE LOCATED ON TOP OF ELEVATOR SHAFT AND ACCORDINGLY, ALLOW FOR SUITABLE LENGTH OF THE POWER FEEDER.
 - NIL
 - PROVIDE A BUILDING GROUND WITH A DEDICATED CONDUCTOR, WIRED TO THE ELEVATOR CONTROLLER AND SIZED ACCORDING TO THE APPLICABLE ELECTRICAL CODE.
 - GFI RECEPTACLE & HEAT DETECTOR SHALL BE PROVIDED IN THE PIT OF LIFT.
 - NIL
 - EXISTING CONDUITS AND WIRING PASSING THROUGH THE AREA OF WORK IN RELOCATED POSITION. CO-ORDINATE ON SITE FOR EXACT LOCATION AND LENGTH PRIOR TO ROUGH IN.
 - ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR TO INSTALL A DRAIN IN THE PIT AND CONNECT TO THE EXISTING DRAIN LINE.
 - NIL
 - 24"X24" JUNCTION BOX IN THE CEILING SPACE IN CORRIDOR AT FIRST FLOOR.
 - REVERSE ACTING THERMOSTAT.
 - EXHAUST FAN SHALL INTERLOCK WITH THE LIGHTING FIXTURES, OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING FIXTURES AND THE EXHAUST FAN.
 - HAND DRYER SHALL BE PROVIDED BY THE SCHOOL BOARD. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER CONNECTION FOR THE HAND DRYER.
 - CONTRACTOR TO INSTALL CONTROLLER FOR NURSES CALL IN THE CEILING SPACE OF B/F WASHROOM. POWER TO THE CONTROLLER FROM PANEL Z AS SHOWN.
 - EXISTING CARD READER FOR TEACHER AND PORTABLE ACCESS SHALL BE REINSTALLED. COORDINATE WITH SECURITY SYSTEM CONTRACTOR FOR RECONNECTION.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL POWER FOR THE NEW ELECTRICAL UNIT HEATER AS SHOWN. ELECTRICAL UNIT HEATERS WILL BE PROVIDED BY MECHANICAL CONTRACTOR.
 - PROVIDE NEW PA SPEAKERS AND CONNECT TO THE EXISTING P.A. CIRCUITS. EXISTING MAIN P.A. CONTROL CONSOL IS LOCATED IN ROOM 114. ALLOW FOR TESTING AND TO MAKE THE SYSTEM FULLY FUNCTIONAL.
 - THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, DEVICES, AND CABLES DURING WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE ALL CONNECTIONS TO MECHANICAL EQUIPMENT ARE INSTALLED PER MANUFACTURER REQUIREMENTS.



2 PROPOSED GROUND FLOOR-STAGE LIFT POWER PLAN

E3.0

1:50

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1	ISSUED FOR 50% CD	Feb 11, 2020
2	ISSUED FOR 80% CD	March 11, 2020
3	ISSUED FOR 90% CD - M	March 18, 2020
4	ISSUED FOR COMMENTS	April 24, 2020
5	ISSUED FOR TENDER	June 4, 2020
6		
7		
8		

PROJECT : KING'S ROAD PS, ACCESSIBILITY UPGRADES PROJECT

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3

HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE : PROPOSED POWER FLOOR PLAN



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : December 2025

SCALE : AS NOTED

DRAWN BY : AS

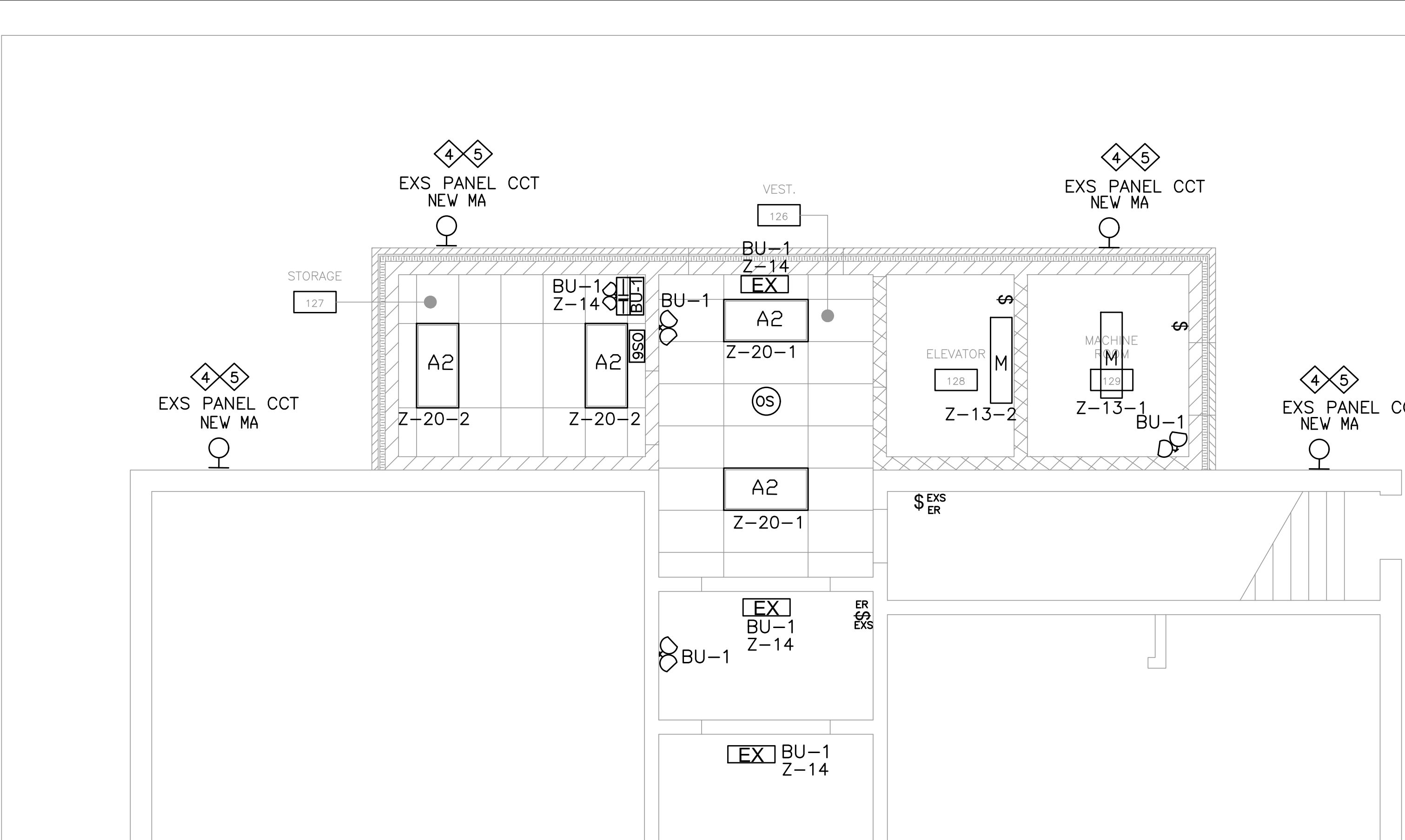
CHECKED BY : MA

DWG STATUS : REVIEW

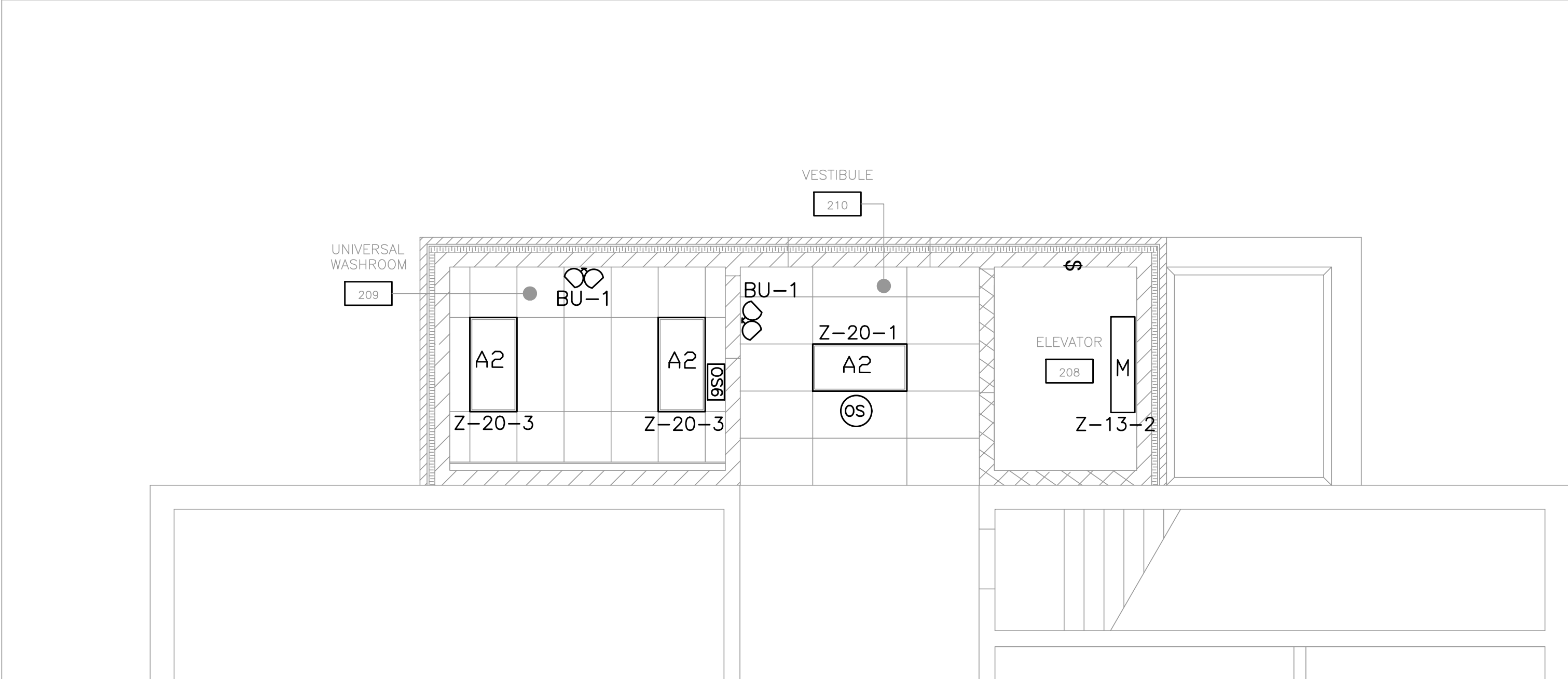
PROJECT No. : 2025-502

DRAWING No. : E3.0

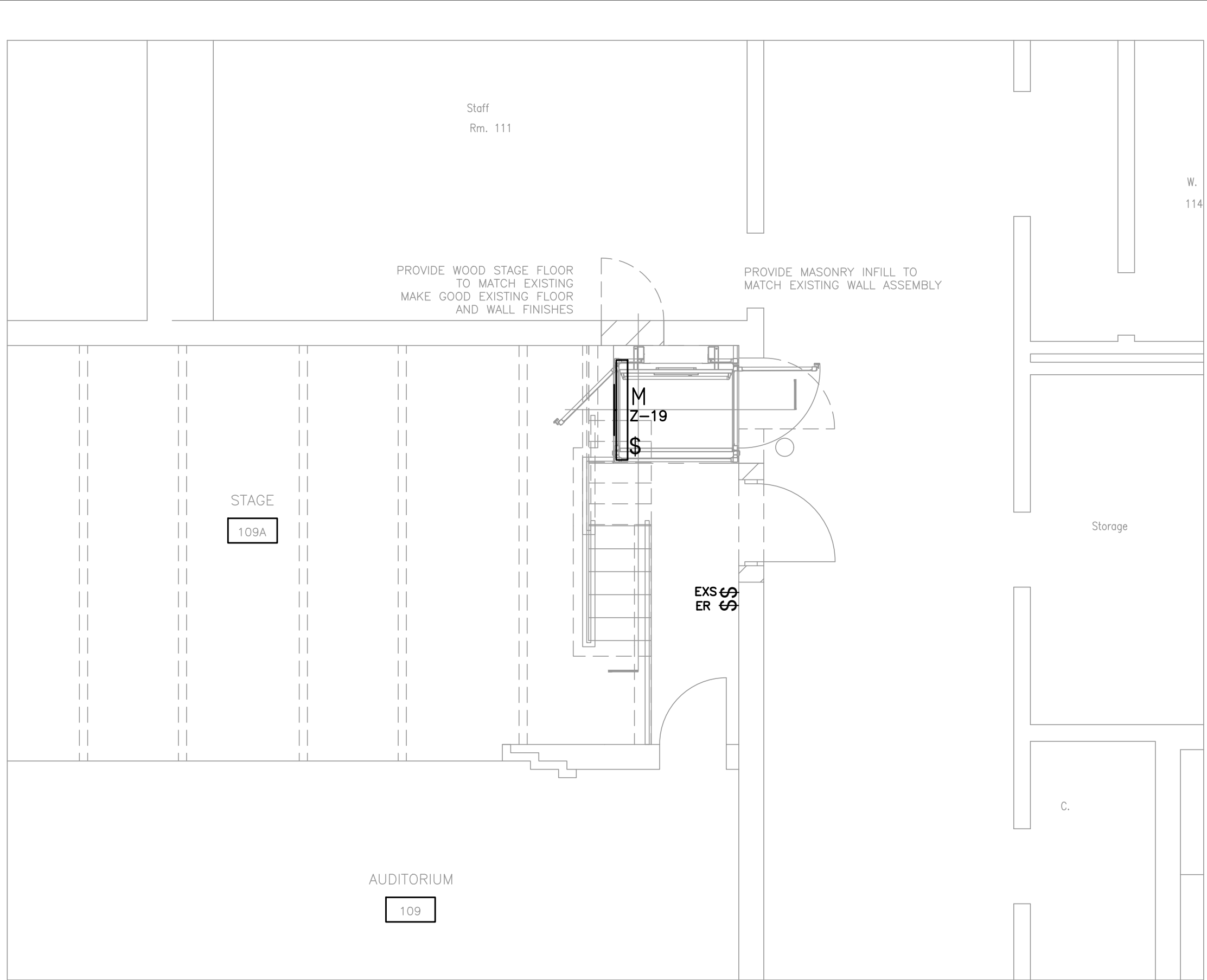
REVISION



1
A1 ENLARGED ELEVATOR, MACHINE ROOM AND STORAGE
REFLECTED CEILING PLAN



2
A1 ENLARGED ELEVATOR AND UNIVERSAL WASHROOM
REFLECTED CEILING PLAN



3
A1 ENLARGED STAGE LIFT
PLAN

2
E4.0 PROPOSED GROUND FLOOR-STAGE LIFT LIGHTING PLAN
1:50

LIGHTING NOTES:

- 1 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURES AS SHOWN ON THE DRAWINGS. PROVIDE POWER TO THE NEW LIGHTING FIXTURES FROM NEW PANEL Z AS SHOWN.
- 2 PROVIDE AND INSTAL NEW WIRING, CONDUIT AND ACCESSORIES AS REQUIRED TO CONNECT THE NEW LIGHTING FIXTURES.
- 3 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EXIT SIGN AS SHOWN ON THE DRAWINGS.
- 4 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL MA TYPE LIGHTING FIXTURES AS SHOWN. CONNECT TO THE EXISTING EXTERIOR LIGHTING CIRCUIT. ALLOW FOR EXTENDING WIRING CONDUIT AND ACCESSORIES AS REQUIRED TO CONNECT THE NEW LIGHTING FIXTURES.
- 5 ALL EXTERIOR LIGHTS TO BE CONTROLLED THROUGH PHOTOCELL.
- 6 THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, DEVICES, AND CABLES DURING WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.

BATTERY UNIT SCHEDULE

LOCATION	UNIT UNMBER	EXIT SIGNS	DOUBLE HEADS	SINGLE HEADS	CONNECTED LOAD (WATT)	CAPACITY (WATT)			
						30 MIN	1H00	1H30	2H00
STORAGE ROOM	BU-1	3	6	0	84	720	420	300	240
REFER TO ELECTRICAL SPECIFICATION									

1
E4.0 PROPOSED GROUND AND SECOND FLOOR LIGHTING PLAN
1:50

The Contractor shall verify all dimensions prior to commencement of the work.
All print and specifications are the property of the Architect and must be returned upon completion of the work.

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PROJECT :
**KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT**
660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :
**PROPOSED LIGHTING
FLOOR PLAN**



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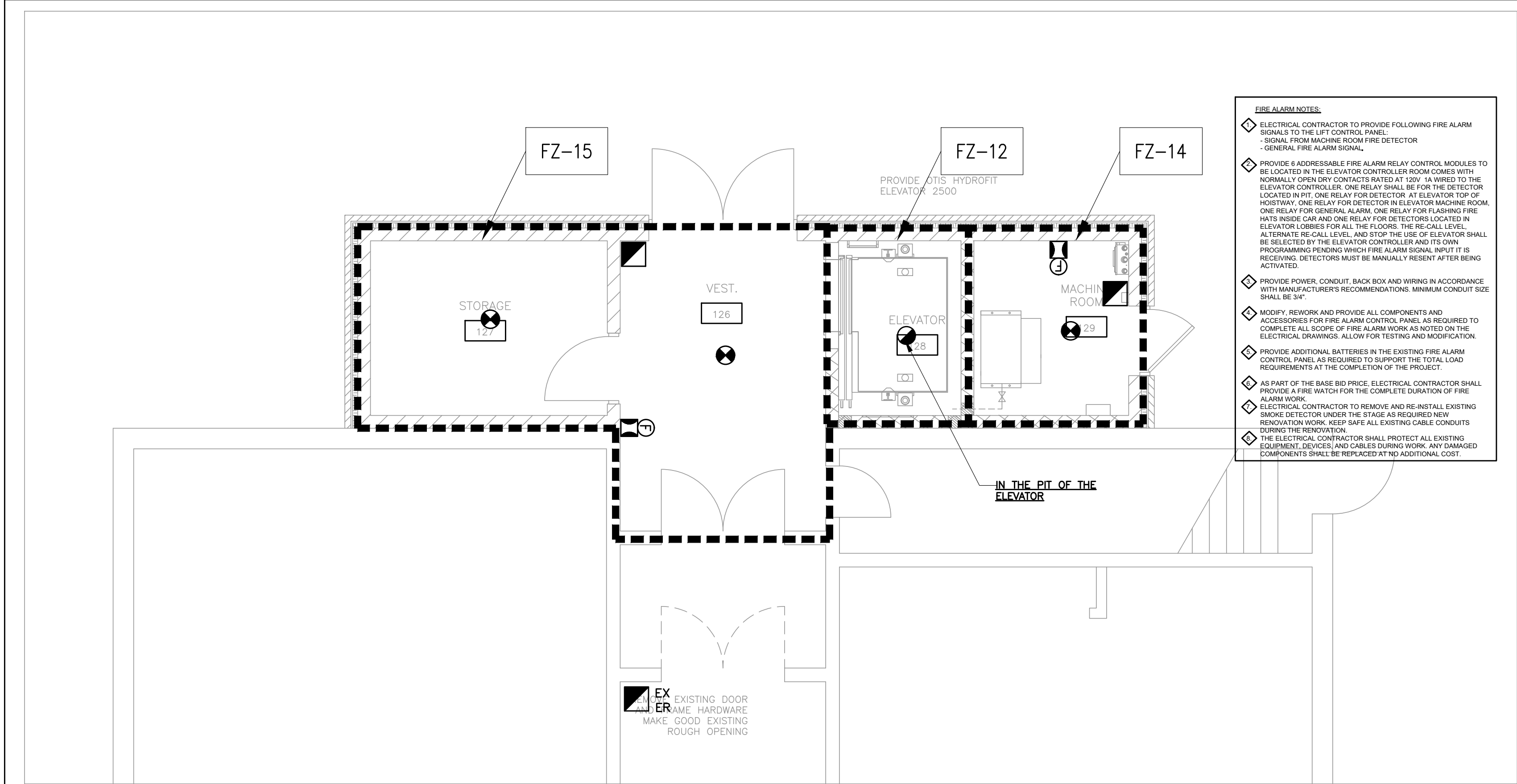
CHECKED BY :
MA

DWG STATUS :
REVIEW

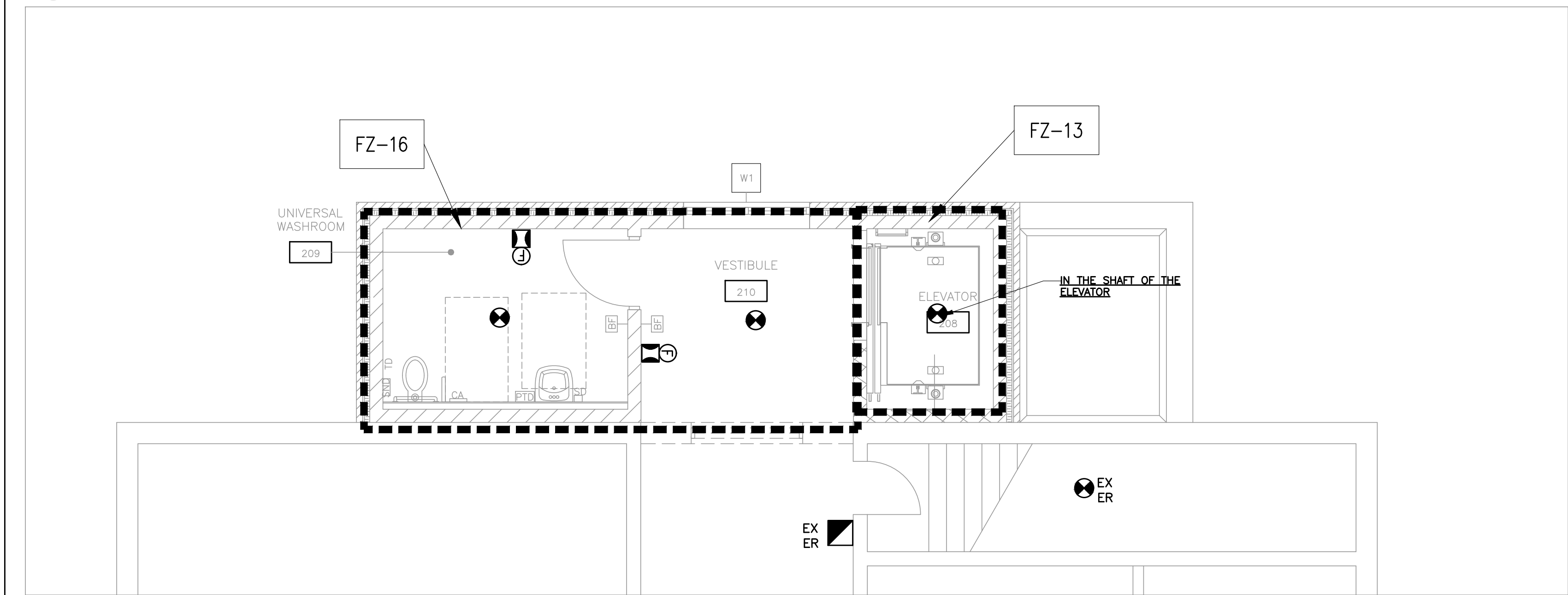
PROJECT No. :
2025-502

DRAWING No. :
E4.0

REVISION



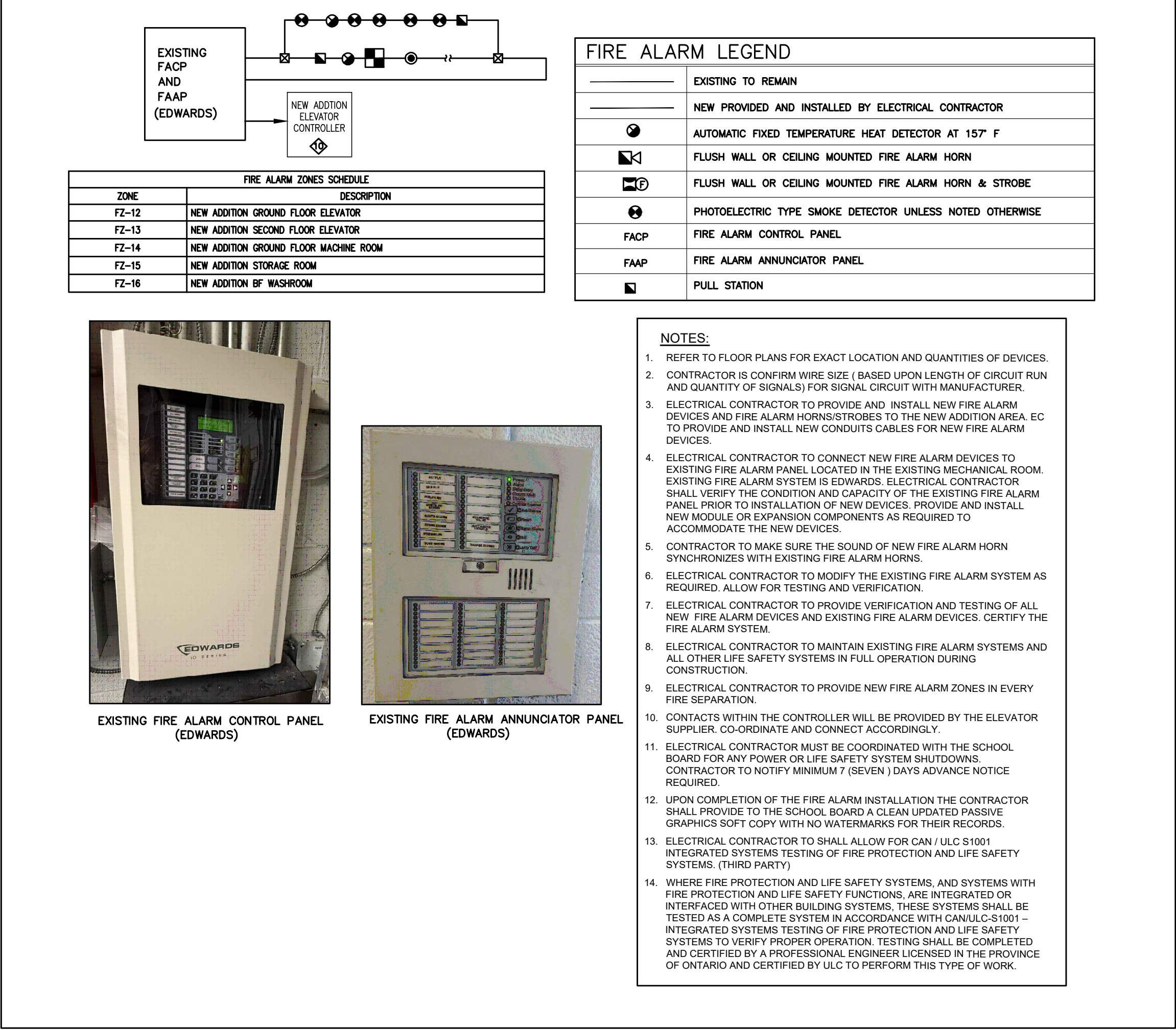
1 A1 ENLARGED ELEVATOR, MACHINE ROOM AND STORAGE PLAN



2 A1 ENLARGED ELEVATOR AND UNIVERSAL WASHROOM PLAN

1 E5.0 PROPOSED GROUND AND SECOND FLOOR FIRE ALARM PLAN

- FIRE ALARM NOTES:**
- ◆ ELECTRICAL CONTRACTOR TO PROVIDE FOLLOWING FIRE ALARM SIGNALS TO THE LIFT CONTROL PANEL:
 - SIGNAL FROM MACHINE ROOM FIRE DETECTOR
 - GENERAL FIRE ALARM SIGNAL
 - ◆ PROVIDE 6 ADDRESSABLE FIRE ALARM RELAY CONTROL MODULES TO BE LOCATED IN THE ELEVATOR CONTROLLER ROOM COMES WITH NORMALLY OPEN DRY CONTACTS RATED AT 120V 1A WIRING TO THE ELEVATOR CONTROLLER. ONE RELAY SHALL BE FOR THE DETECTOR LOCATED IN PIT, ONE RELAY FOR DETECTOR AT ELEVATOR TOP OF HOISTWAY, ONE RELAY FOR DETECTOR IN ELEVATOR MACHINE ROOM, ONE RELAY FOR GENERAL ALARM, ONE RELAY FOR FLAMING FIRE HATS INSIDE CAR AND ONE RELAY FOR DETECTORS LOCATED IN ELEVATOR LOBBIES FOR ALL THE FLOORS. THE RECALL LEVEL ALTERNATE RECALL LEVEL AND STOP THE USE OF ELEVATOR SHALL BE SELECTED BY THE ELEVATOR CONTROLLER AND ITS OWN PROGRAMMING PENDING WHICH FIRE ALARM SIGNAL INPUT IT IS RECEIVING. DETECTORS MUST BE MANUALLY RESET AFTER BEING ACTIVATED.
 - ◆ PROVIDE POWER, CONDUIT, BACK BOX AND WIRING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM CONDUIT SIZE SHALL BE 3/4"
 - ◆ MODIFY, REWORK AND PROVIDE ALL COMPONENTS AND ACCESSORIES FOR FIRE ALARM CONTROL PANEL AS REQUIRED TO COMPLETE ALL SCOPE OF FIRE ALARM WORK AS NOTED ON THE ELECTRICAL DRAWINGS. ALLOW FOR TESTING AND MODIFICATION.
 - ◆ PROVIDE ADDITIONAL BATTERIES IN THE EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED TO SUPPORT THE TOTAL LOAD REQUIREMENTS AT THE COMPLETION OF THE PROJECT.
 - ◆ AS PART OF THE BASE BID PRICE, ELECTRICAL CONTRACTOR SHALL PROVIDE A FIRE WATCH FOR THE COMPLETE DURATION OF FIRE ALARM WORK.
 - ◆ ELECTRICAL CONTRACTOR TO REMOVE AND RE-INSTALL EXISTING SMOKE DETECTOR UNDER THE STAGE AS REQUIRED NEW RENOVATION WORK. KEEP SAFE ALL EXISTING CABLE CONDUITS DURING THE RENOVATION.
 - ◆ THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, DEVICES AND CABLES DURING WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.



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PROJECT :

**KING'S ROAD PS,
ACCESSIBILITY UPGRADES PROJECT**

660 GREENWOOD ROAD, BURLINGTON, ONTARIO, L7T 3P3
HALTON DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :

DWG TITLE :

**PROPOSED FIRE ALARM
FLOOR PLAN**

RCEI

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