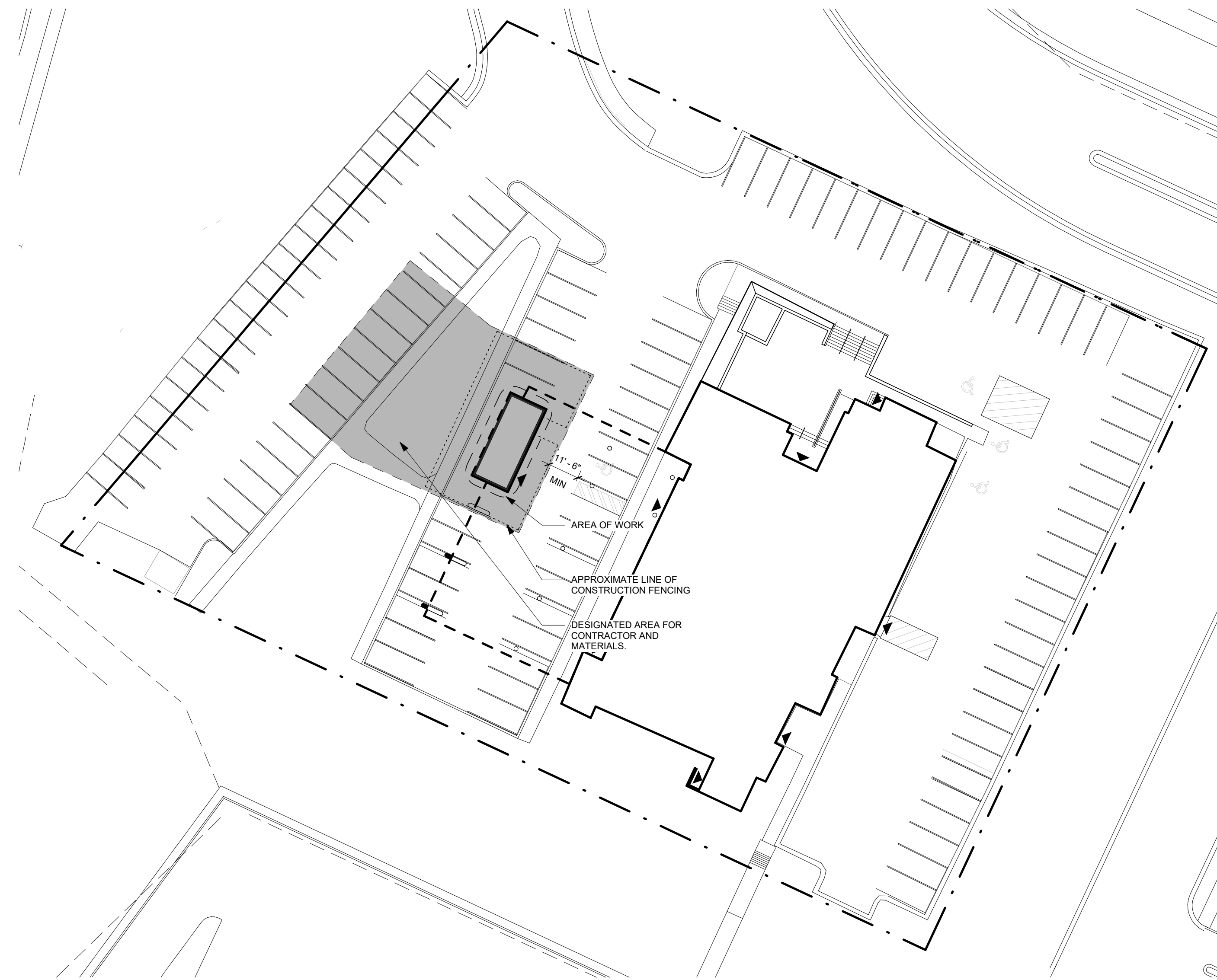


PUBLIC HEALTH SUDBURY AND DISTRICTS - WALL REMEDIATION AT WEST STAIRWELL

1300 PARIS STREET, SUDBURY, ONTARIO

2021 04 05

3RDLINE.STUDIO



SITE PLAN
1" = 30'-0"

LIST OF DRAWINGS

ARCHITECTURAL

- A-0.1 INFORMATION SHEET
- A-1.0 FLOOR PLANS
- A-2.0 ELEVATIONS & SECTION
- A-3.0 SECTION & PLAN DETAILS
- A-3.1 PLAN DETAILS

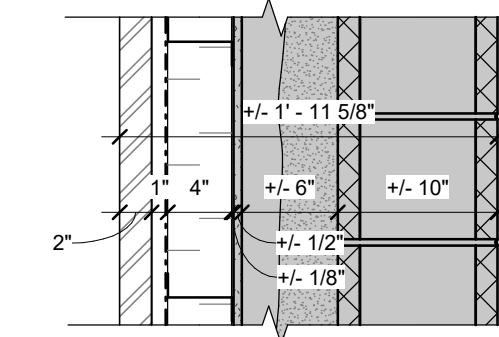
ELECTRICAL

- E101 ELECTRICAL POWER LEGEND, NOTES, DETAILS & FLOOR PLAN

STRUCTURAL

- S1 OF 3 STRUCTURAL PLAN
- S2 OF 3 STRUCTURAL SECTIONS AND DETAILS
- S3 OF 3 STRUCTURAL NOTES

WALL ASSEMBLIES



SECTION VIEW

- ACM PANEL SYSTEM, INSTALLED AS PER MANUFACTURERS INSTRUCTIONS - REFER TO SPECS AND ELEVATIONS
- 1" HAT CHANNELS SPACED AT MAX. 16" O.C. AND AS REQUIRED TO SUIT ACM PANELS - REFER TO SPECS
- AIR BARRIER - REFER TO SPECS
- 4" HORIZONTAL Z-GIRTS SPACED AT 24" O.C. FASTENED TO EXISTING Z-GIRTS
- 4" MINERAL FIBER INSULATION - REFER TO SPECS
- EXISTING ASSEMBLY, ASSUMED ASSEMBLY AS FOLLOWS:
 - EXISTING STUCCO FINISH
 - EXISTING 1/2" CEMENT BOARD
 - EXISTING 6" VERTICAL Z-GIRT FURRING CHANNEL
 - EXISTING 4" POLYURETHANE FOAM INSULATION
 - EXISTING CONCRETE BLOCK

REFERENCE CONVENTION

SYMBOL	BLOCK NAME
VIEW NAME 1:100 1 A-2.0	SECTION NUMBER, TITLE AND SCALE REFERENCE
VIEW NAME 1:100	TITLE AND SCALE REFERENCE
ROOM NAME 101	ROOM NAME AND NUMBER
FLOOR 0.0	ELEVATION REFERENCE TO LEVEL AS NOTED
R1	CONSTRUCTION ROOF ASSEMBLY REFERENCE
W1	CONSTRUCTION WALL ASSEMBLY REFERENCE TAG
DOOR AND FRAME REFERENCE	
1 A-5.0	BUILDING SECTION REFERENCE
1 A-5.0	DETAIL REFERENCE

GENERAL NOTES

1. ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ELECTRICAL DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY AT TIME OF TENDER TO REPORT ANY DISCREPANCIES BETWEEN ARCHITECTS AND CONSULTANTS DRAWINGS. FAILURE TO DO SO MAY VOID AT OWNERS DISCRETION ANY CLAIM FOR COMPENSATION.
2. ANY DISCREPANCIES, OMISSIONS OR CONFLICTS SHALL BE REPORTED TO ARCHITECT PRIOR TO WORK PROCEEDING.
3. PRIOR TO CLADDING LAYOUT, SITE VERIFY ALL FORESEEABLE INTERFERENCES AND REPORT TO ARCHITECT.
4. +/- NEXT TO ANY DIMENSION INDICATES THAT MEASUREMENT SHOULD BE FIELD VERIFIED AND MAY HAVE TO BE ADJUSTED TO ACCOMMODATE SITE CONDITIONS. REPORT TO ARCHITECT AS REQUIRED IF DESIGN INTENT CANNOT BE IMPLEMENTED.

MODULAR CO-ORDINATION NOTES

ALL WORKING DRAWING ARE DIMENSIONED BY THE MODULAR COORDINATION METHOD IN CONFORMANCE WITH THE SERIES OF STANDARDS FOR METRIC DIMENSIONAL COORDINATION IN BUILDING CAN3-A31, M-75.

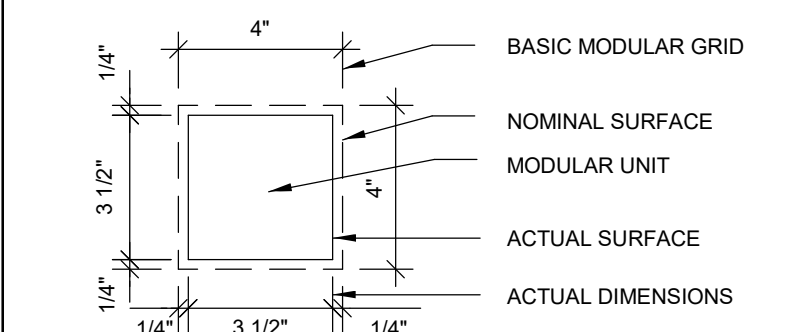
THE POSITION AND SIZE OF BUILDING COMPONENTS IN THIS DRAWING ARE CONTROL BY THE BASIC MODULAR GRID OF 100 mm. (4").

GRID LINES OR POINTS ON GRID LINES ARE LOCATED ON THE DIMENSION LINE BY AN ARROWHEAD.

ELEVATION, OR SECTION SHOW DIMENSION TO GRID LINES OR TO NOMINAL SURFACE OF AN OFF-GRID COMPONENT OR TO CENTER LINE OF CONSTRUCTION ASSEMBLY.

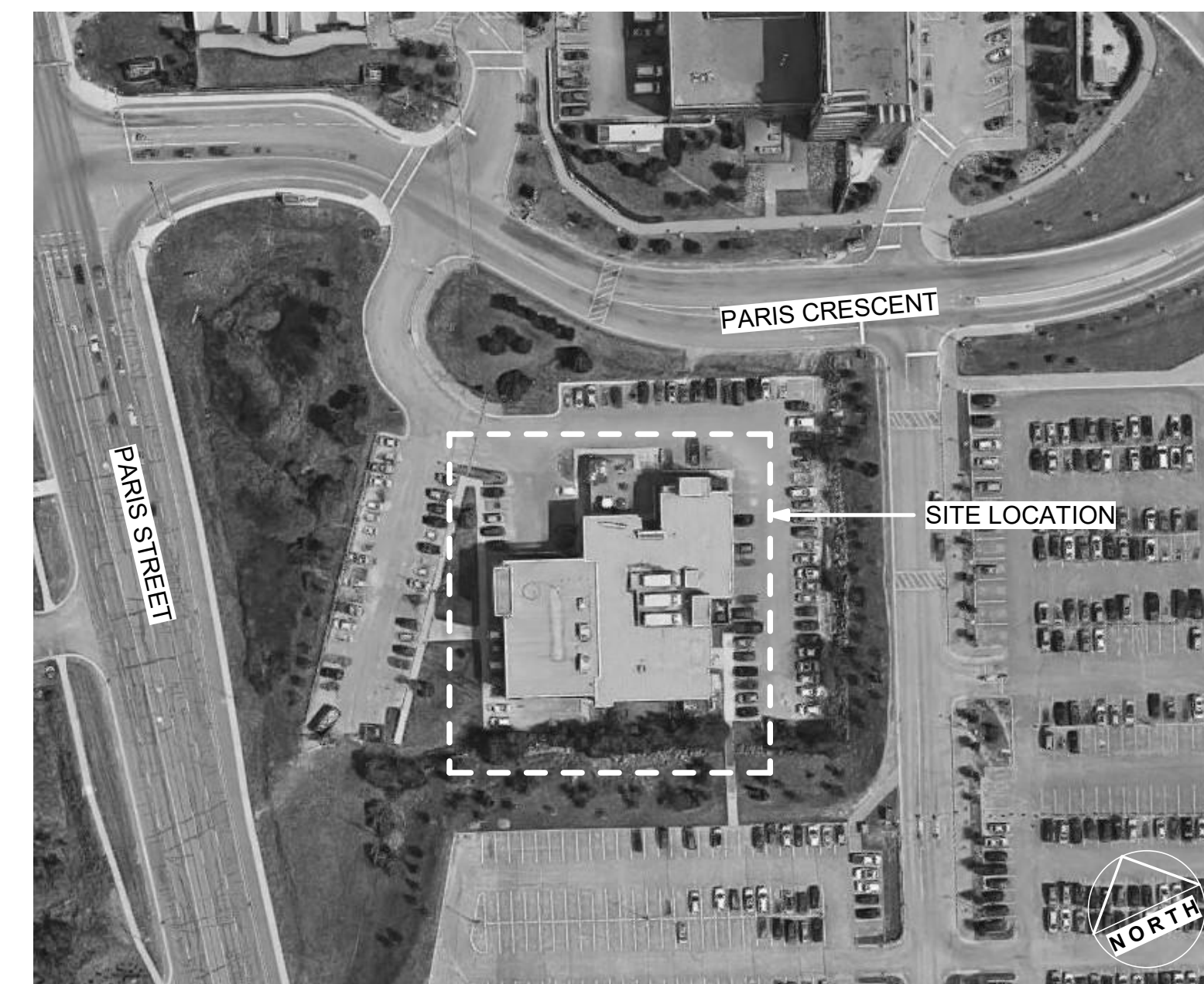
LARGE SCALE DETAIL DRAWING SHOW DIMENSIONS FROM GRID LINES TO ACTUAL SURFACE OF A COMPONENT.

IMPERIAL



LIST OF CONSULTANTS

ARCHITECT:	3RDLINE.STUDIO 289 Cedar Street, Suite 300, Sudbury, Ontario P3B 1M8 Tel: 705-674-2300 Fax: 705-674-2185 Email: admytruk@3rdline.studio
MECHANICAL/ELECTRICAL ENGINEER:	Piotrowski Consultants Ltd. 1829 Bond Street, North Bay, ON P1B 4V6 Tel: 705-472-2536 Email: jbak@piotrowskiconsultants.ca
STRUCTURAL ENGINEER:	A2S Associates Limited 289 Cedar St, Suite 201, Sudbury, Ontario P3B 1M8 Tel: 705-222 0420 Email: aaron@a2sa.ca



SITE LOCATION
NTS

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T 705.674.2300

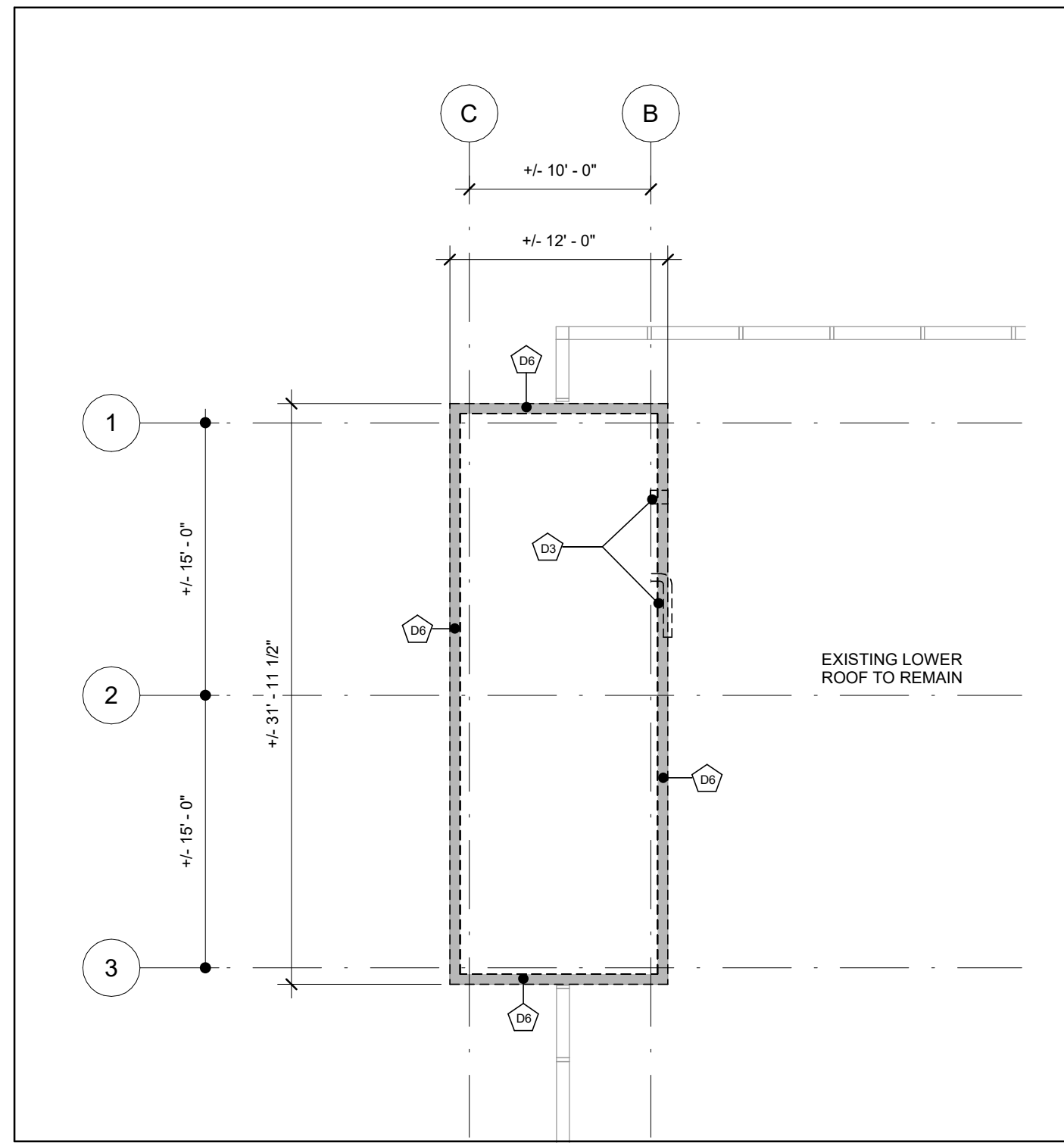
PUBLIC HEALTH SUDBURY AND DISTRICTS - WALL REMEDIATION AT WEST STAIRWELL

1300 PARIS ST.
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P3E 3A3

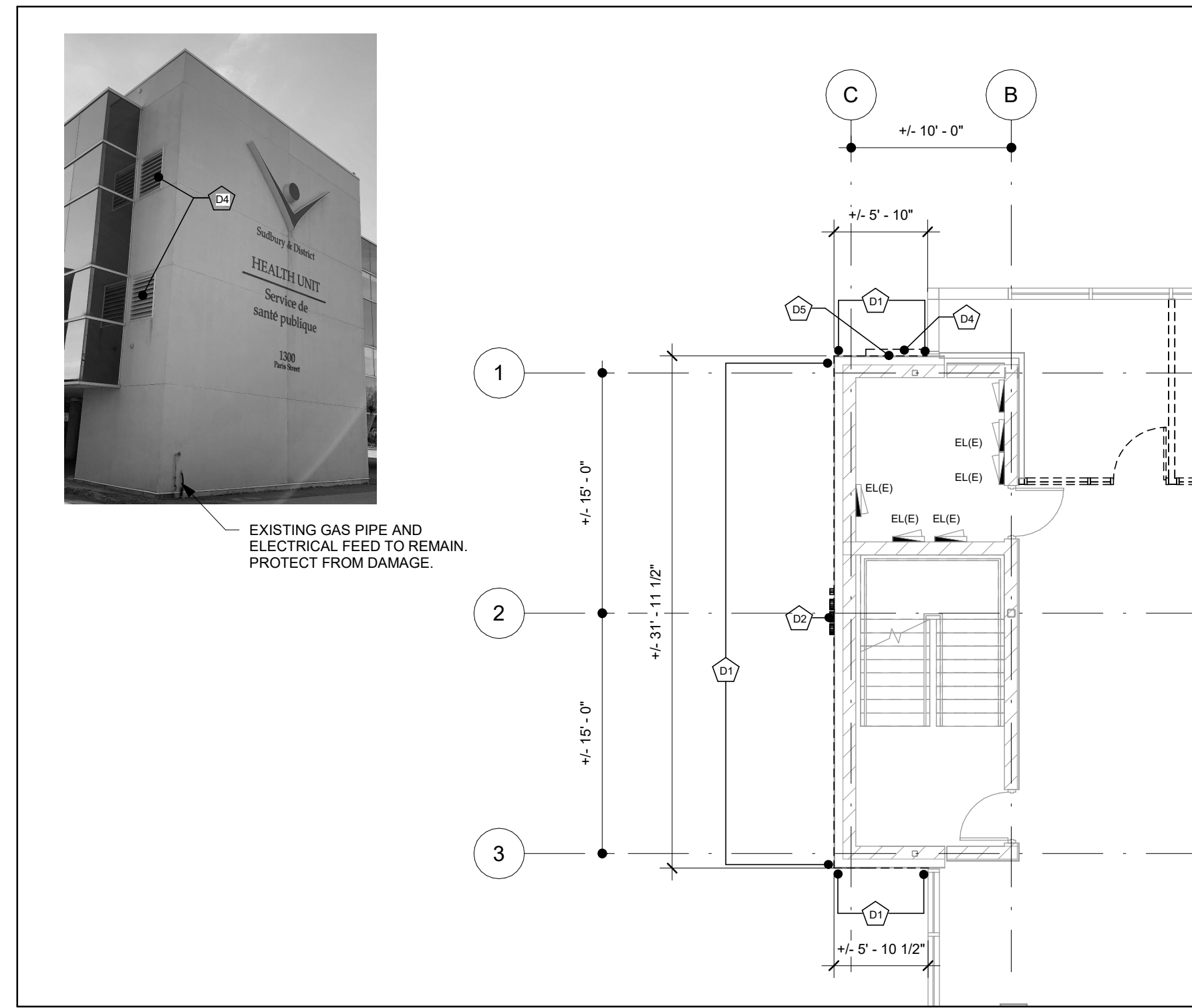
INFORMATION SHEET

Date: 2021 04 05
Scale: As indicated
Drawn By: AM Checked By: AD/TJ
Project No: 2047
Drawing No: Rev: 1

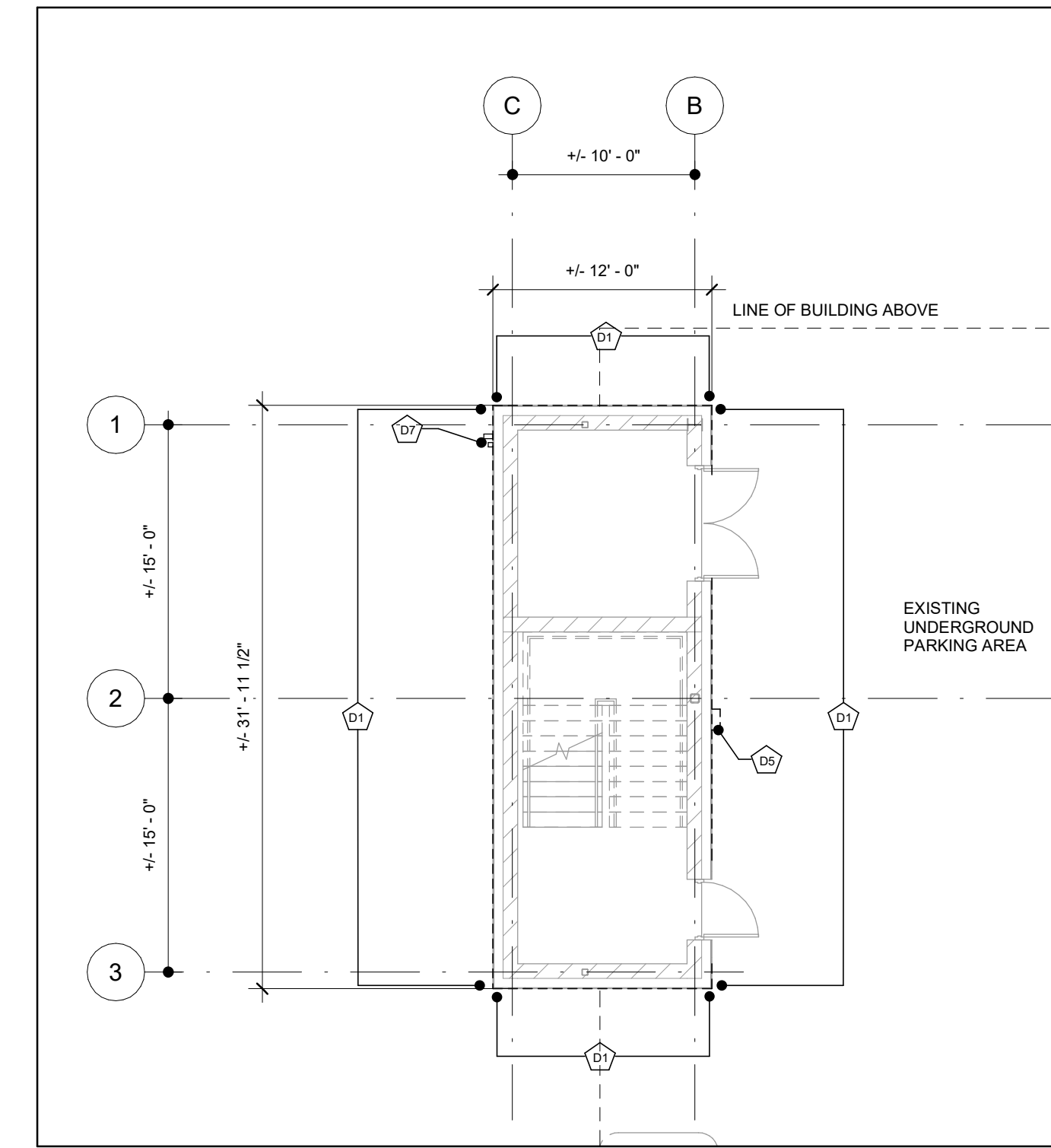
A-0.1



WEST STAIRWELL - ROOF DEMOLITION PLAN
1/8" = 1'-0"



WEST STAIRWELL - LEVEL TWO/THREE DEMOLITION FLOOR PLAN
1/8" = 1'-0"



WEST STAIRWELL - LEVEL ONE DEMOLITION FLOOR PLAN
1/8" = 1'-0"

DEMOLITION LEGEND

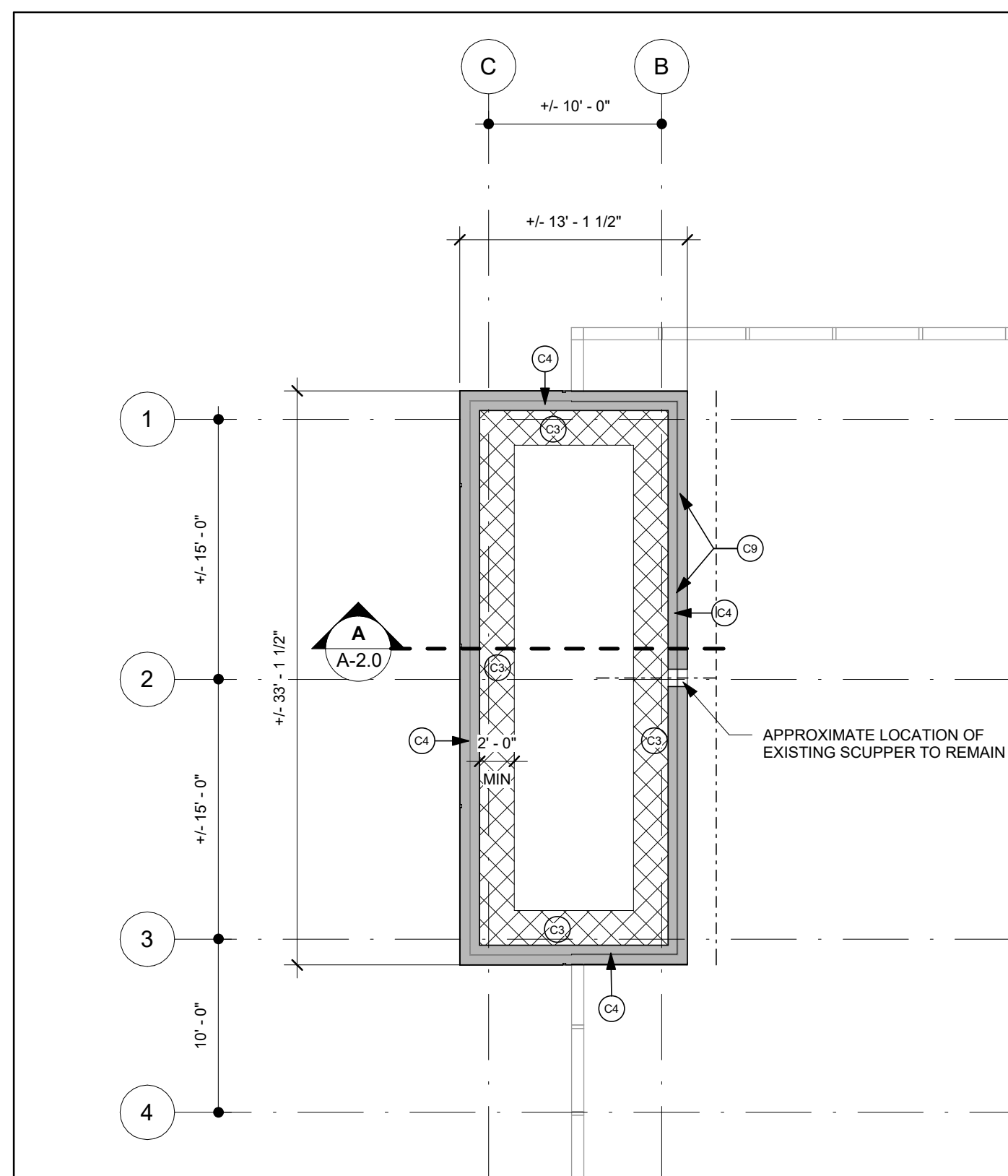
- DEMOLITION TAG - REFER TO DEMOLITION NOTES
- DENOTES EXISTING ITEMS TO REMAIN
- DENOTES ITEMS TO BE REMOVED - REFER TO DEMOLITION NOTES

DEMOLITION NOTES (GENERAL):

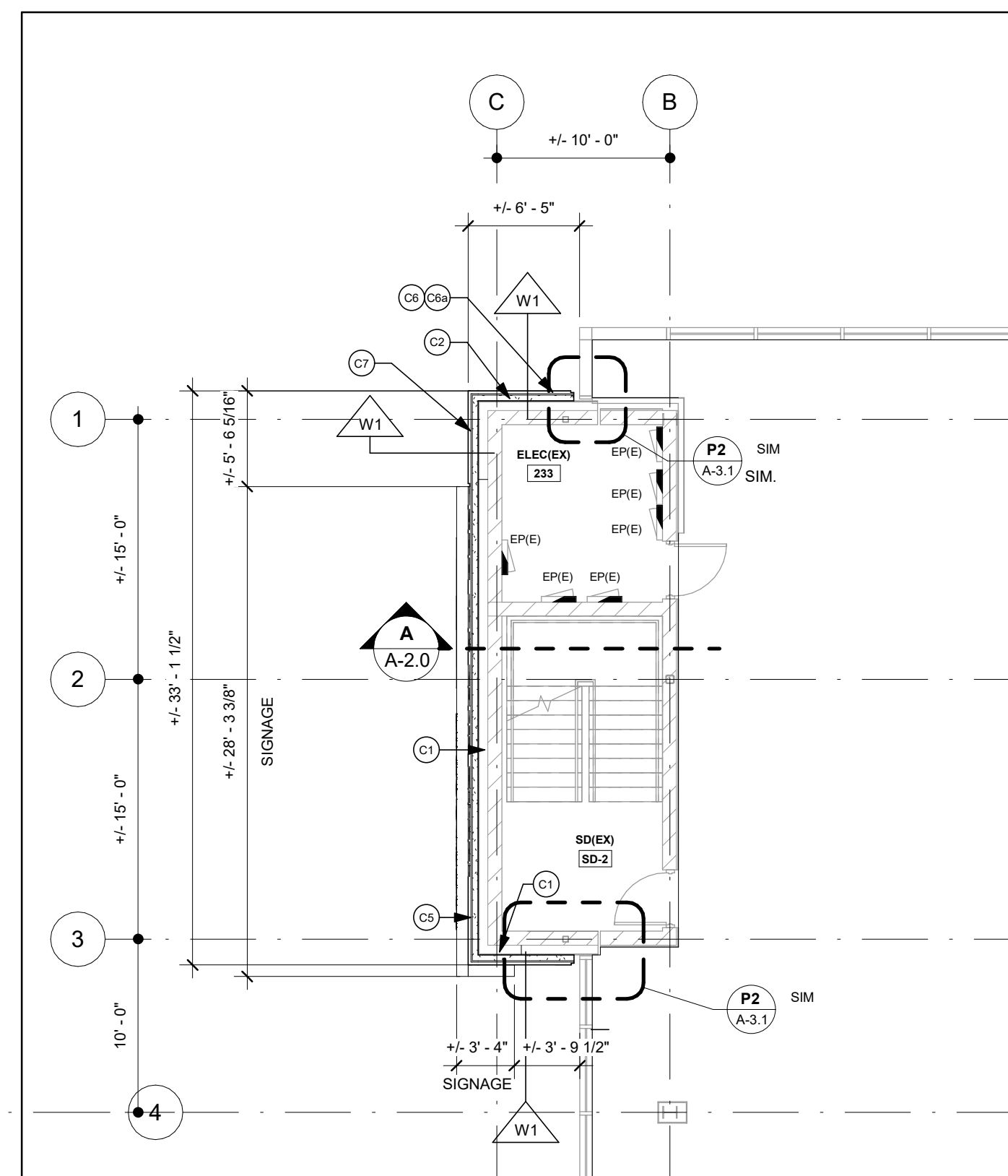
- REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES AND REQUIREMENTS.
- REFER ALSO TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL ELECTRICAL DEVICES SUBJECT TO DUST AND DEBRIS ARE TO BE REMOVED PRIOR TO DEMOLITION PHASE AND REINSTALLED DURING CONSTRUCTION PHASE. MAKE SAFE ALL ELECTRICAL.
- MECHANICAL DUCTS ARE TO BE CAPPED DURING DEMOLITION PHASE TO PREVENT THE SPREAD OF DUST TO THE REST OF THE BUILDING STILL IN OPERATION.
- ALL REMOVED ITEMS NOT RE-USED IN NEW CONSTRUCTION OR TURN OVER TO OWNER, SHALL BE REMOVED OFF SITE.
- REFER TO OTHER DRAWINGS IN THIS PACKAGE IN ORDER TO OBTAIN A FULL UNDERSTANDING OF DEMOLITION WORK REQUIRED TO MAKEWAY FOR CONSTRUCTION ACTIVITIES. NOT ALL ITEMS TO BE REMOVED HAVE BEEN NOTED.
- PROTECT EXISTING FLOORS, WALLS, EQUIPMENT, MILLWORK AND OTHER PERMANENT FIXTURES FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION OF THE WORK, AS A MINIMUM USE POLYETHYLENE AND PLYWOOD HOARDING.
- PROTECT EXISTING MECHANICAL AND ELECTRICAL SYSTEMS TO REMAIN. PROVIDE WATERTIGHT ENCLOSURE AT THESE SYSTEMS WHEN EXPOSED TO THE ELEMENTS.
- PROTECT EXISTING SITE FINISHES FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROVIDE PROTECTION AS REQUIRED TO SUIT. ANY SITE FINISHES DAMAGED FROM WORK TO BE REPAIRED AND RE-INSTALLED TO ITS ORIGINAL STATE.

DEMOLITION NOTES (TAGS):

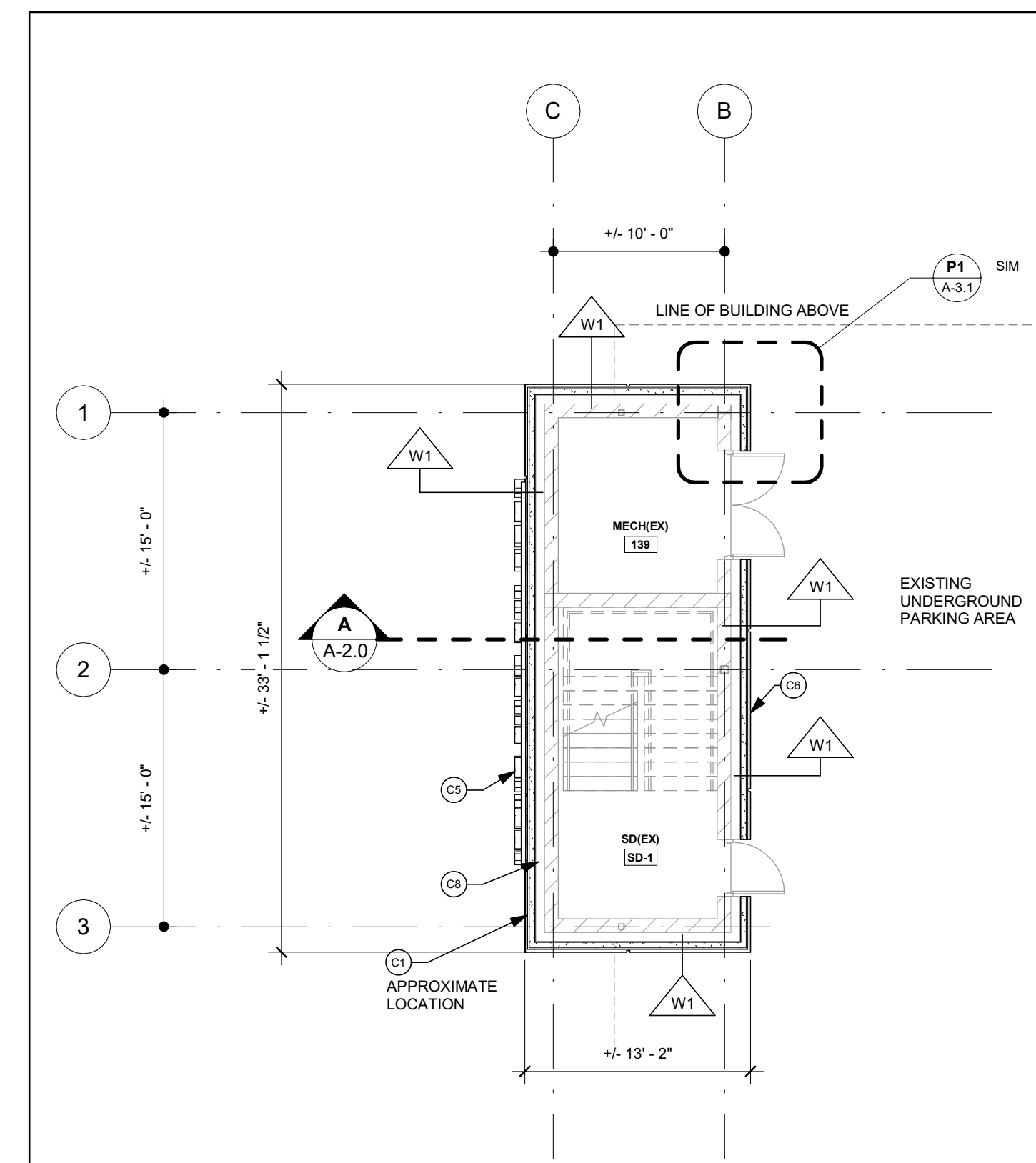
- REMOVE ANY LOOSE MATERIALS FROM THE EXISTING STUCCO CLADDING SYSTEM. MAKE GOOD ALL SURFACES TO RECEIVE NEW FINISH.
- REMOVE EXISTING SIGNAGE. MAKE GOOD ALL SURFACES IN PREPARATION FOR NEW.
- REMOVE EXISTING BOILER VENTING & AIR INTAKE.
- REMOVE EXISTING EXHAUST GRILLES TO BE REPLACED WITH NEW. SEE PHOTO FOR APPROXIMATE LOCATIONS.
- ALL SURFACE MOUNTED FIXTURES/SENSORS INCLUDING BUT NOT LIMITED TO HORN STROBE, JUNCTION BOX & PHOTOCELL TO BE REMOVED. MAKE SAFE ALL ELECTRICAL. KEEP SAFE FOR RE-INSTALLATION. REFER TO ELECTRICAL DRAWINGS.
- REMOVE EXISTING PARAPET CAP FLASHING, OVERLAPPED ROOF MEMBRANE, AND ALL RELATED ACCESSORIES IN PREPARATION FOR NEW CONSTRUCTION.
- EXISTING GAS PIPE AND ELECTRICAL FEED TO REMAIN. PROTECT FROM DAMAGE.



WEST STAIRWELL - ROOF PLAN
1/8" = 1'-0"



WEST STAIRWELL - LEVEL TWO/THREE FLOOR PLAN
1/8" = 1'-0"



WEST STAIRWELL - LEVEL ONE FLOOR PLAN
1/8" = 1'-0"

LEGEND

- ROOM NAME**
 DENOTES ROOM NAME AND NUMBER REFERENCE
- DENOTES WALL ASSEMBLY TAG REFERENCE
- DENOTES EXTERIOR WALL ASSEMBLY
- DENOTES SURFACE AREA OF ROOF TIE IN.
- DENOTES ELECTRICAL PANEL. REFER TO ELECTRICAL DRAWINGS.

CONSTRUCTION NOTES:

- ALL DIMENSIONS ON DRAWINGS ARE TO BE TAKEN AT +/-.
- ALL EXISTING ASSEMBLIES ARE ASSUMED. CONTRACTOR IS RESPONSIBLE TO PATCH AND REPAIR ALL ITEMS AFFECTED BY DEMOLITION AND/OR CONSTRUCTION AND PROVIDE NEW FINISH TO MATCH EXISTING KIND AND QUALITY. MAKE GOOD ALL SURFACES.
- REMOVE AND CLEAN ALL DEBRIS, FLAKING PAINT AND LOOSE MATERIAL FROM EXISTING BUILDING DURING DEMOLITION AND CONSTRUCTION.
- CONTRACTORS ARE RESPONSIBLE TO KEEP THE SITE CLEAN AND FREE OF DEBRIS AT ALL TIMES DURING CONSTRUCTION. ANY SITE FINISHED DAMAGED FROM WORK TO BE REPAIRED AND RE-INSTALLED TO ITS ORIGINAL STATE.
- REFER TO OTHER DRAWINGS IN THIS PACKAGE AS WELL AS PERFORM A SITE VISIT IN ORDER TO OBTAIN A FULL UNDERSTANDING OF DEMOLITION AND CONSTRUCTION WORK REQUIRED TO COMPLETE THE PROJECT.
- BUILDING IS TO BE KEPT WEATHER TIGHT AT ALL TIMES DURING CONSTRUCTION.
- WHERE EXISTING CEMENT BOARD IS MISSING OR DAMAGED PATCH AND REPAIR WITH MATERIALS OF LIKE KIND AND QUALITY TO ENSURE SPRAYFOAM IS PROTECTED.

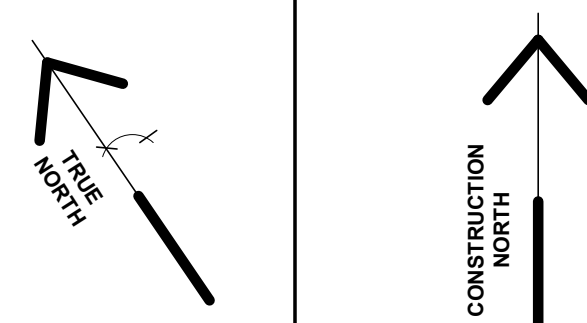
CONSTRUCTION NOTES (TAGS):

- INSTALL NEW 4" SPRAYFOAM AND 1/2" CEMENT BOARD WHERE EXISTING SPRAY FOAM WAS REMOVED FOR VISUAL INSPECTION FROM STRUCTURAL ENGINEER.
- INSTALL TWO (2) NEW MECHANICAL LOUVERS BY CONSTRUCTION SPECIALTIES #4100 c/w SCREEN. SIZE TO MATCH EXISTING. COLOUR TO MATCH NEW METAL CLADDING.
- SEAL NEW EPDM MEMBRANE ONTO EXISTING ROOF MEMBRANES WITH HOT FLOOD COAT A MINIMUM OF 2-0". REFER TO DETAILS ON SHEET A-5.0.
- PROVIDE NEW PARAPET FLASHING. COLOUR TO MATCH NEW CLADDING. REFER TO DETAILS AND SPECIFICATIONS.
- NEW SIGNAGE. CONTRACTOR TO COORDINATE WITH SIGNAGE CONSULTANT. REFER ALSO TO ELEVATIONS & SECTIONS FOR ADDITIONAL INFORMATION.
- RE-INSTALL SURFACE MOUNTED FIXTURES INCLUDING BUT NOT LIMITED TO HORN STROBE, JUNCTION BOX & PHOTOCELL. RE-INSTALL TO SUIT NEW EXTERIOR CLADDING. EXTEND AS REQUIRED TO SUIT. REFER TO ELECTRICAL DRAWINGS.
- PAINT EXISTING PHOTOCCELL TO MATCH COLOUR OF NEW CLADDING.
- EXISTING GAS PIPE AND ELECTRICAL FEED TO REMAIN. PROVIDE FLASHING BEHIND GAS AND ELECTRICAL FEED. CUT TO SUIT. WALL ASSEMBLY TO BE FORMED AROUND PIPE AND ELECTRICAL FEED. PROVIDE TRIM CLOSURES AND FLASHING AS REQUIRED AROUND WALL ASSEMBLY. ALL FLASHING TO MATCH COLOUR OF NEW CLADDING.
- CUT CEMENT BOARD AND SCRAPE BACK SPRAYFOAM AS REQUIRED TO SUIT NEW VERTICAL WOOD BLOCKING. REFER TO CONSTRUCTION DETAILS AND STRUCTURAL DRAWINGS.
- PATCH AND REPAIR HOLES AS REQUIRED. FILL VOID WITH MINERAL FIBER INSULATION. NEW SHEATHING IN PREPARATION FOR NEW WALL CLADDING.

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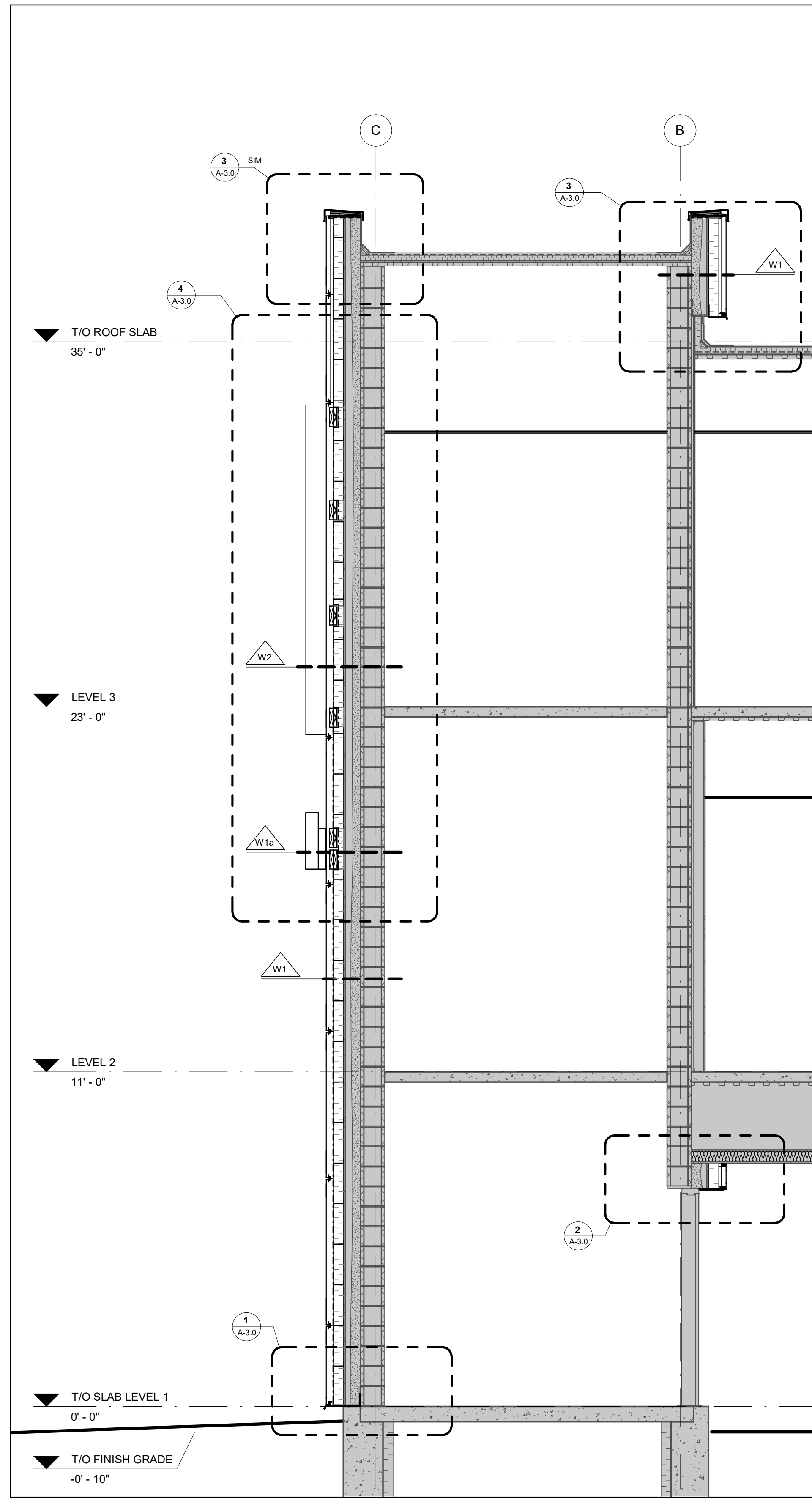
PUBLIC HEALTH SUBURBY AND DISTRICTS - WALL REMEDIATION AT WEST STAIRWELL

1300 PARIS ST.
SUDBURY, ON
P3E 3A3
FLOOR PLANS

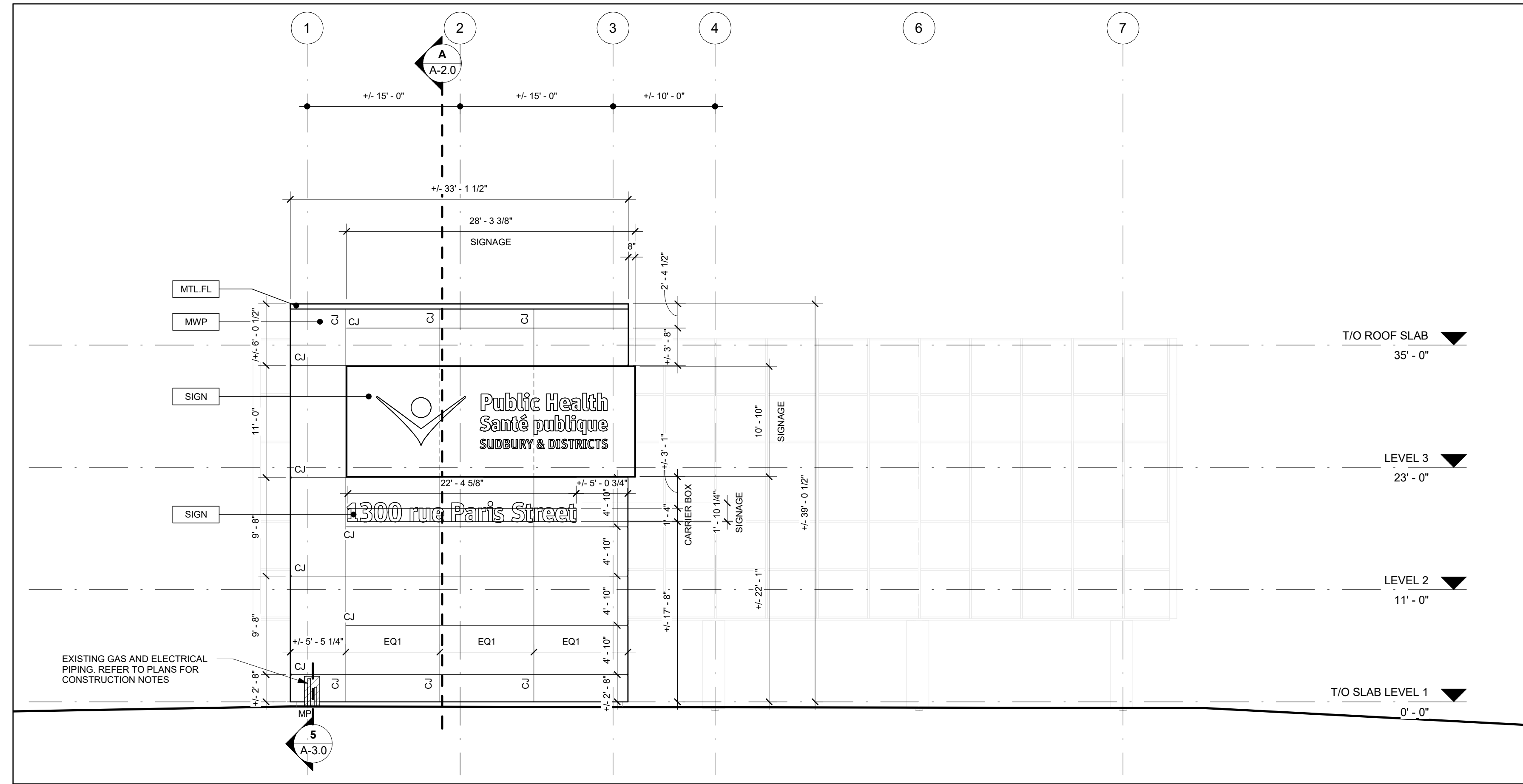
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Scale:	As Indicated
Drawn By:	AM Checked By: AD/TJ
Project No:	2047
Drawing No:	Rev: 1

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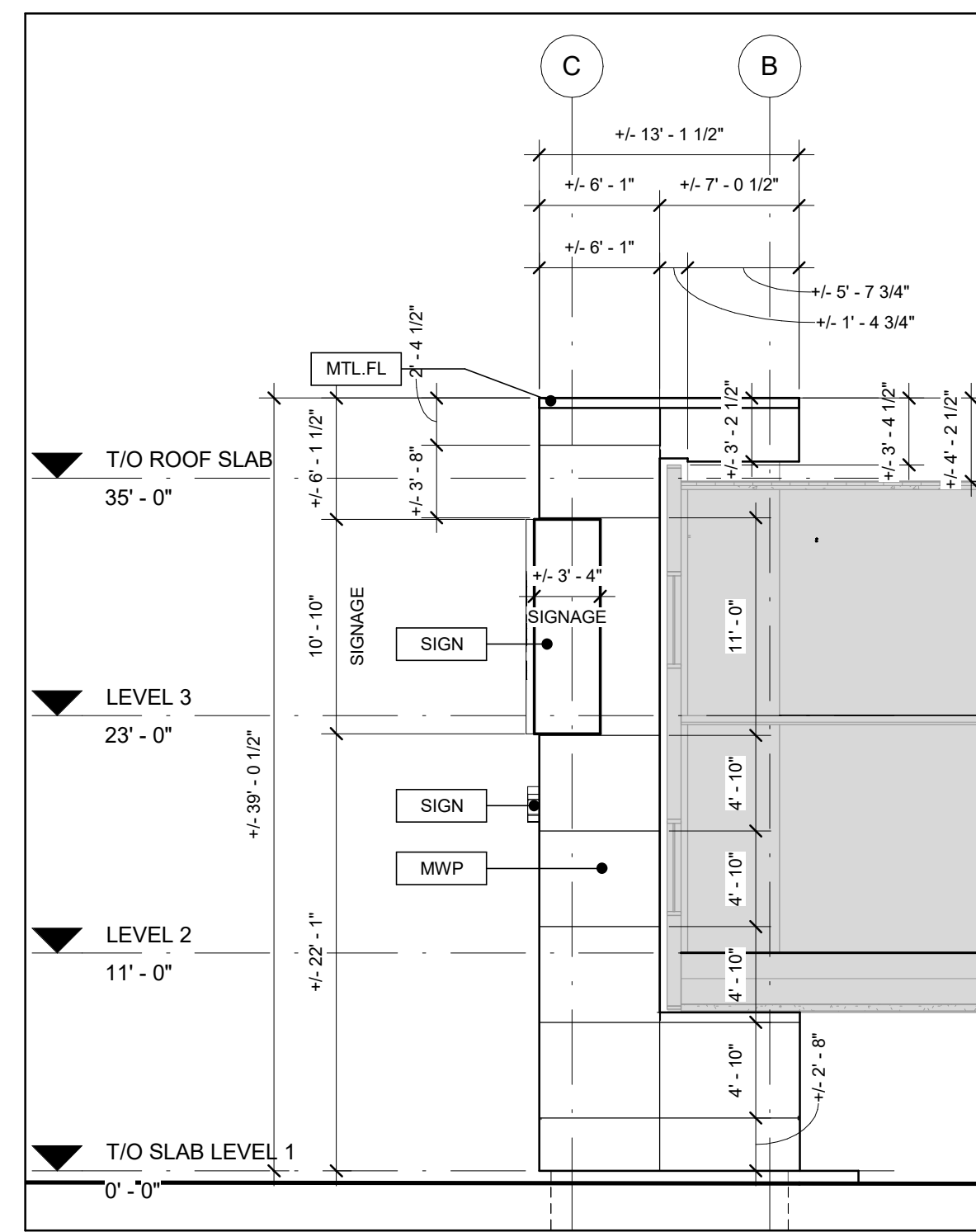
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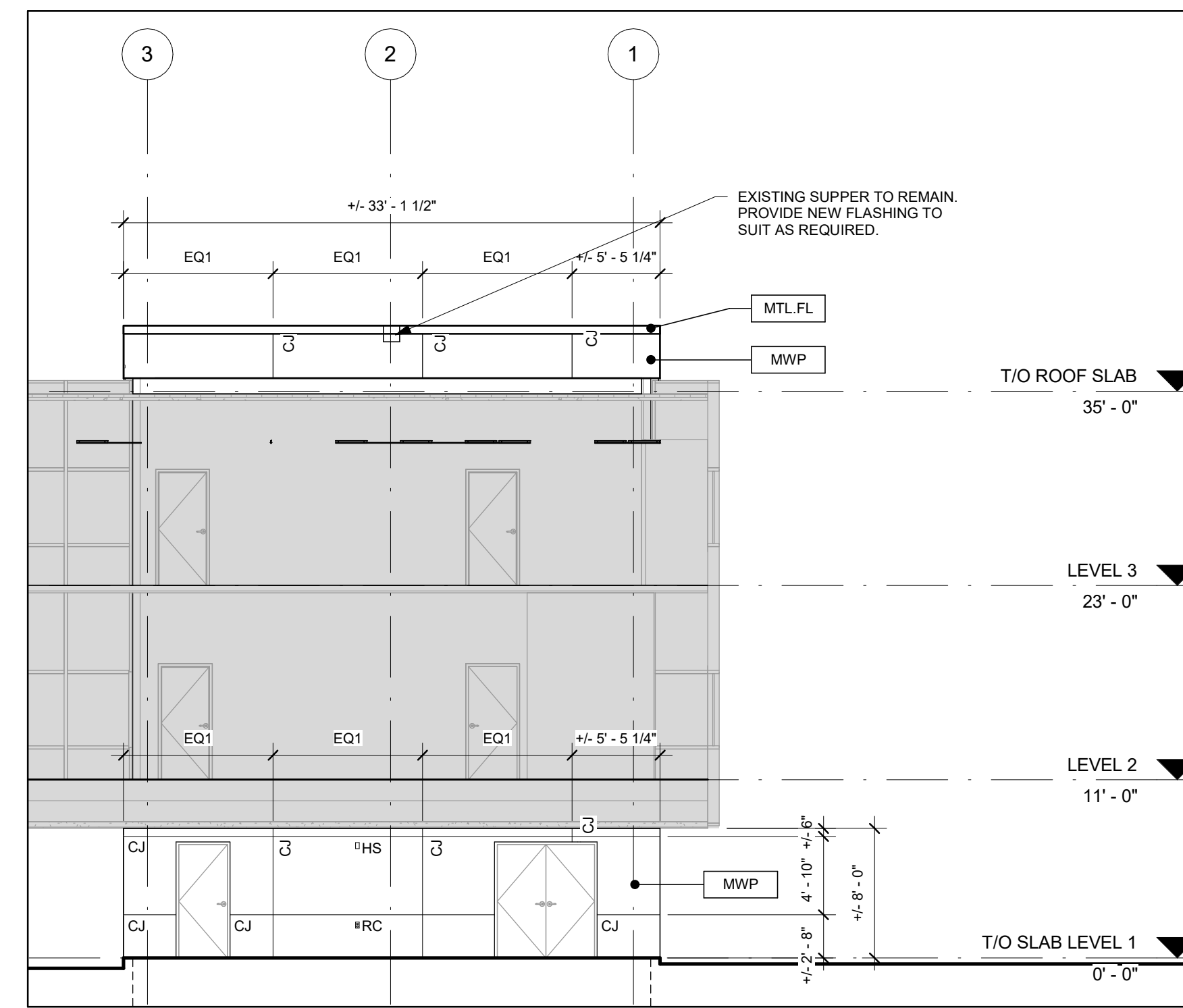
WALL SECTION @ WEST STAIRWELL A A-1.0
3/8" = 1'-0"



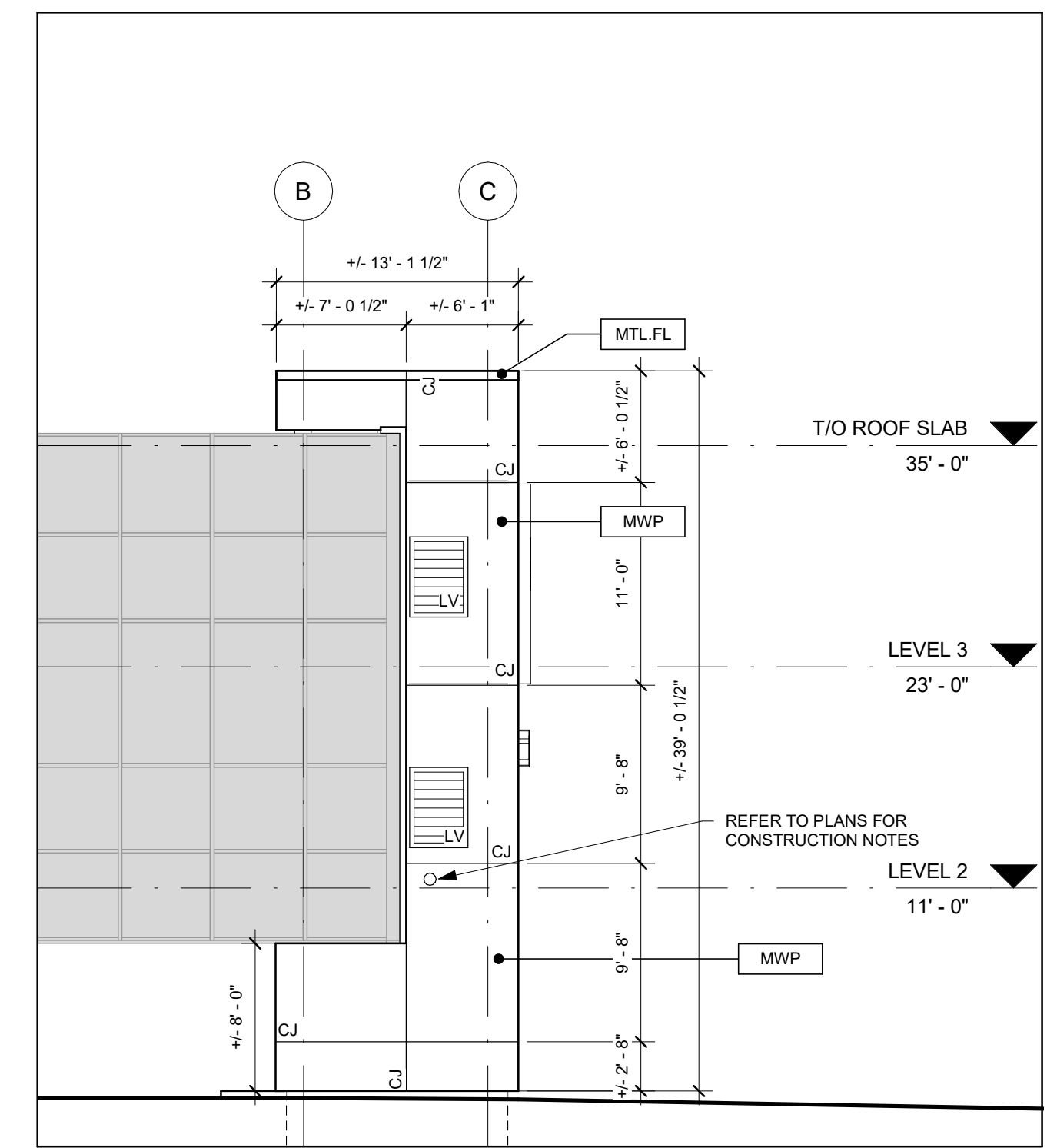
WEST ELEVATION
1/8" = 1'-0"



SOUTH ELEVATION
1/8" = 1'-0"



EAST ELEVATION
1/8" = 1'-0"



NORTH ELEVATION
1/8" = 1'-0"

LEGEND

- MWP DENOTES METAL PANEL SYSTEM. REFER TO SPECS.
- SIGN DENOTES SIGNAGE SUPPLIED AND INSTALLED BY OTHERS. REFER TO MANUFACTURERS SHOP DRAWINGS FOR DIMENSIONS AND FASTENING.
- MTL.FL. DENOTES PRE-FINISHED METAL FLASHING. COLOUR TO MATCH NEW CLADDING. REFER TO SPECS.
- DENOTES CONTROL JOINT
- LV DENOTES MECHANICAL LOUVER BY CONSTRUCTION SPECIALTIES #4100. SIZED TO MATCH EXISTING & COLOUR TO MATCH NEW CLADDING.
- MP DENOTES MECHANICAL PIPES
- HS DENOTES HORN STROBE. REFER TO ELECTRICAL DRAWINGS.
- RC DENOTES RECEPTACLE BOX. REFER TO ELECTRICAL DRAWINGS.

NOTES

1. CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO ORDERING AND INSTALLING METAL PANEL SYSTEM.
2. CONTRACTOR TO COORDINATE WITH SIGNAGE MANUFACTURER FOR ALL DIMENSIONS, FASTENING EXT.
3. SIGNAGE MANUFACTURER IS RESPONSIBLE FOR ALL FASTENING TO NEW STRUCTURAL SYSTEM.

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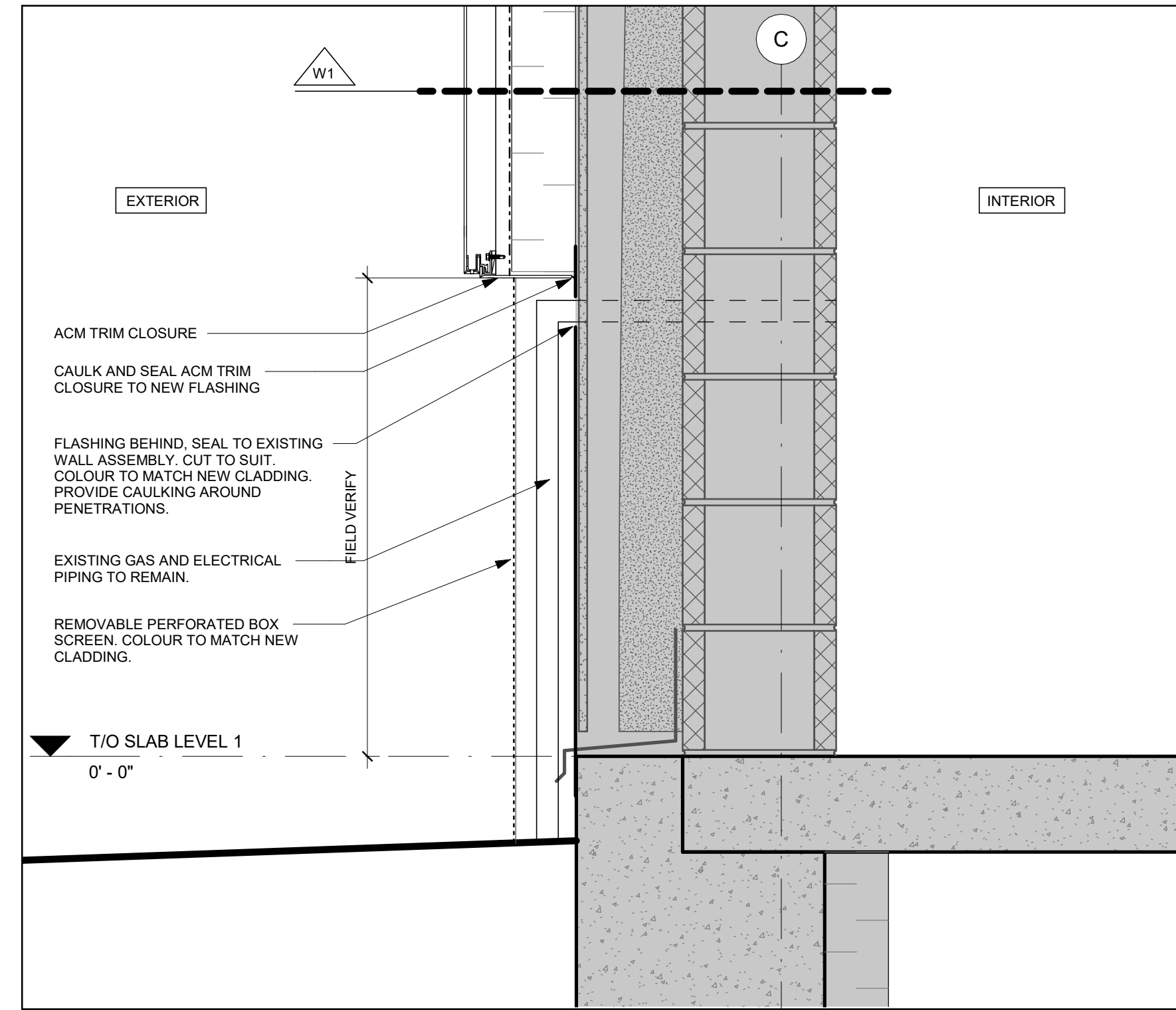
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1300 PARIS ST.
SUDBURY, ON
P3E 3A3
ELEVATIONS & SECTION

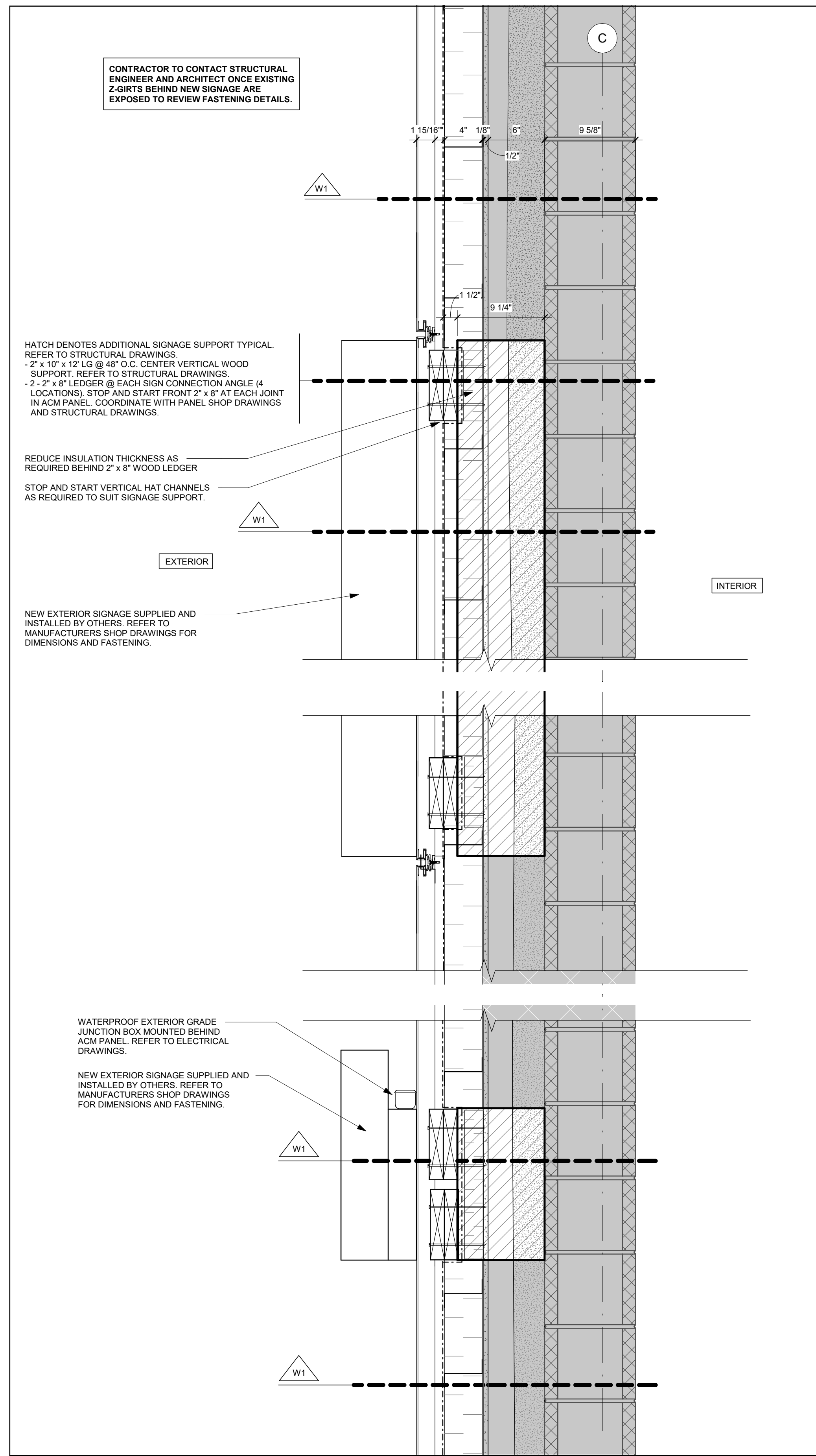
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Drawing No: Rev: 1

A-2.0

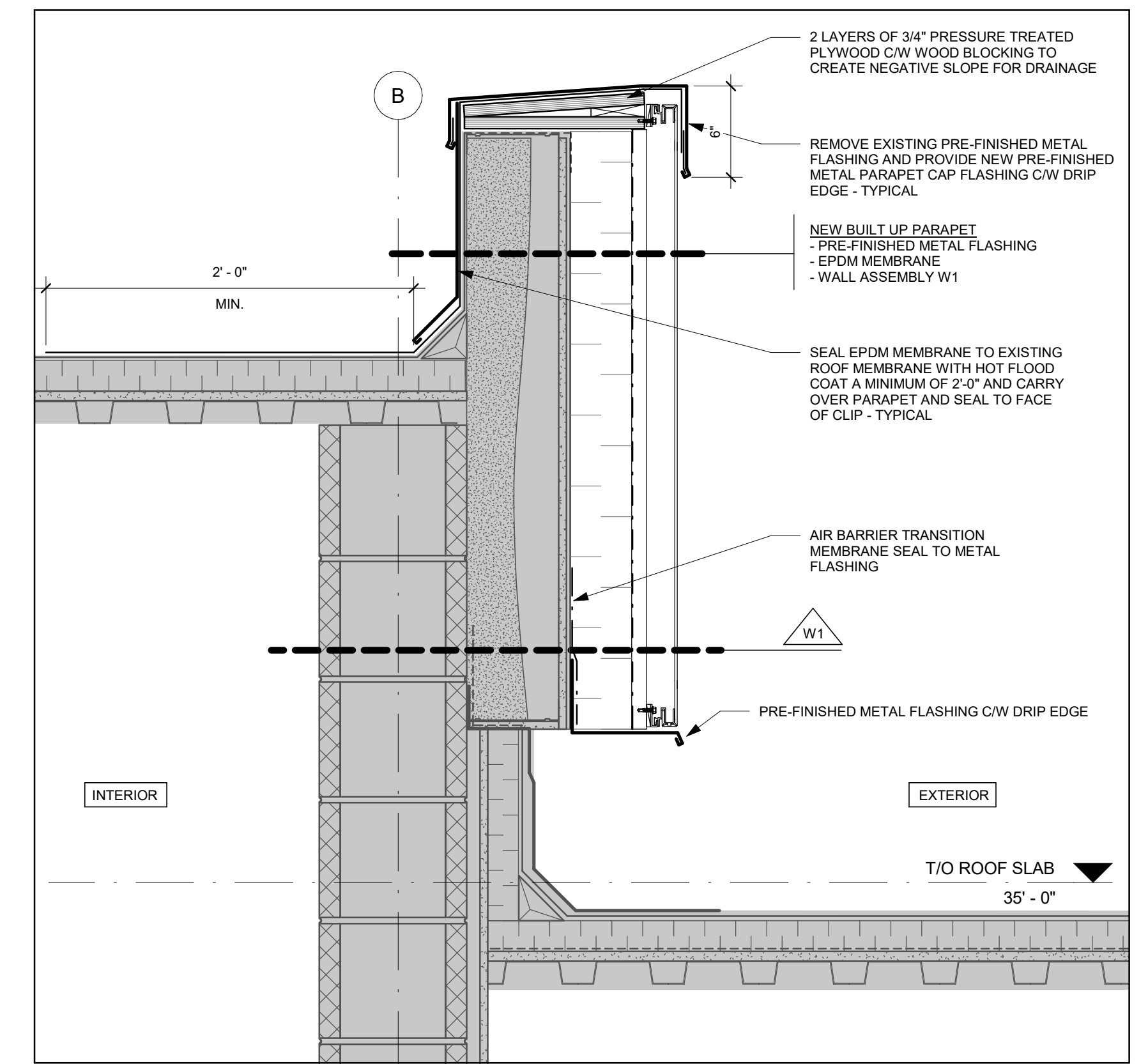
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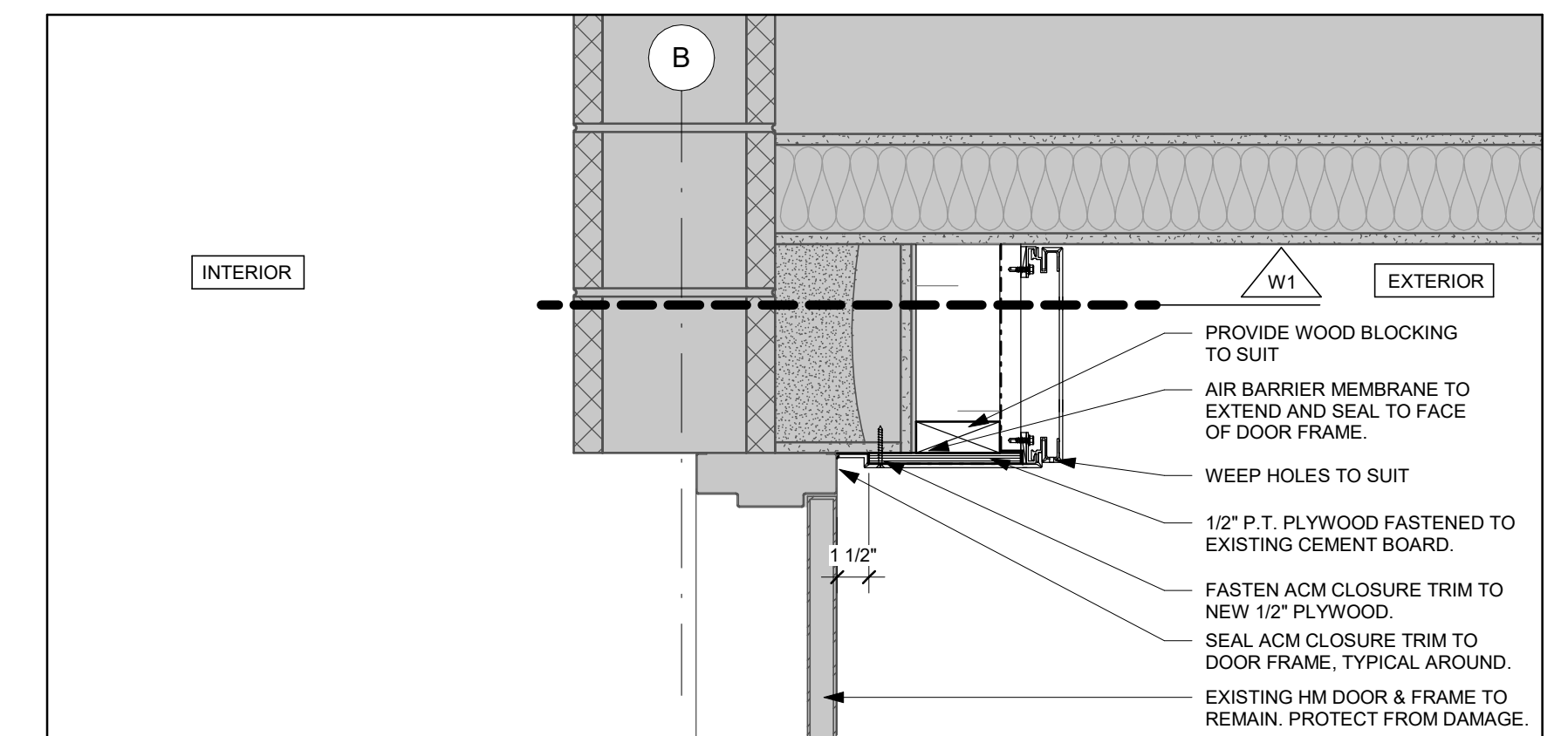
SECTION DETAIL @ EXISTING MECHANICAL EQUIPMENT
1 1/2" = 1'-0" A-2.0 5



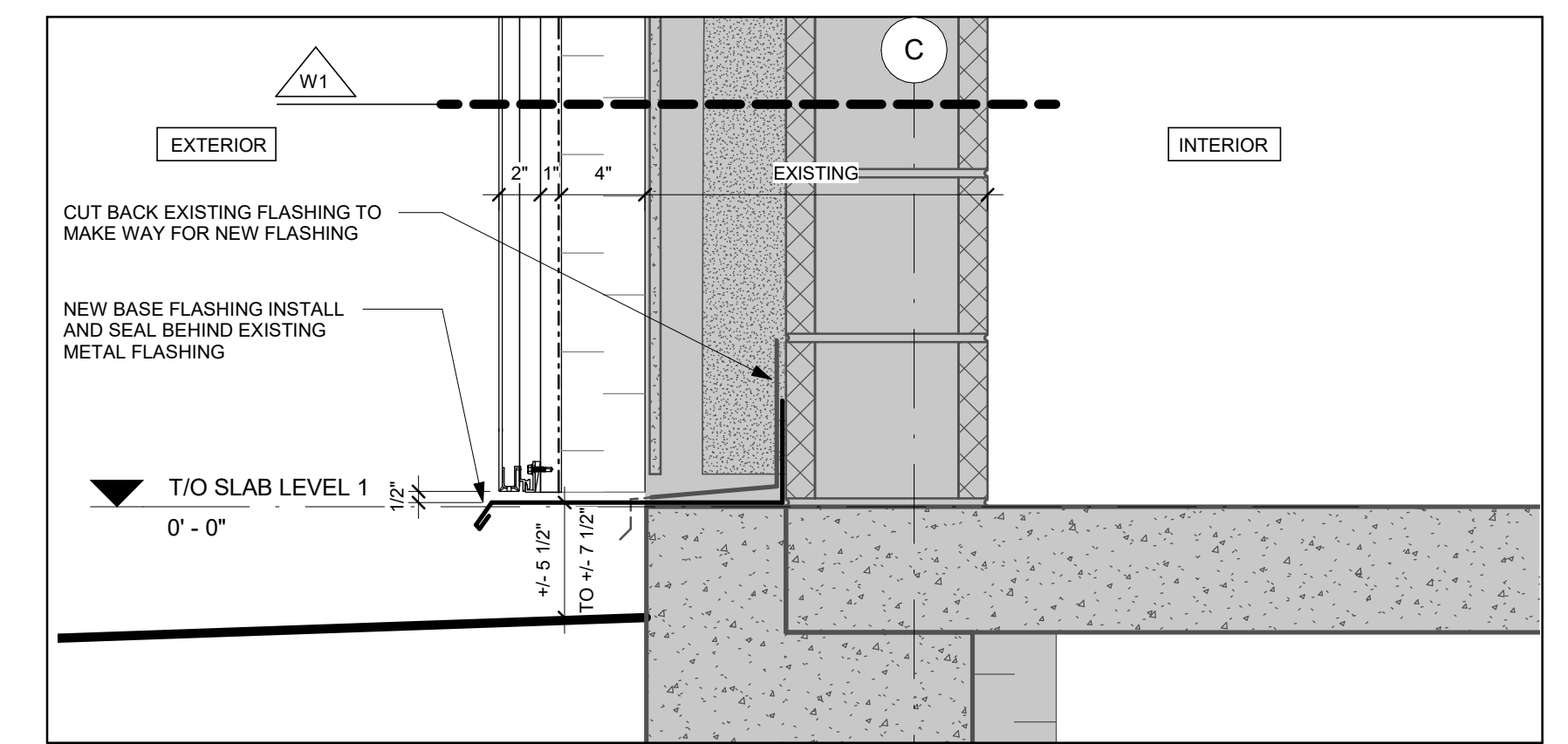
SECTION DETAIL @ PERIMETER OF NEW SIGNAGE
1 1/2" = 1'-0" A-2.0 4



SECTION DETAIL @ PARAPET / LOWER ROOF
1 1/2" = 1'-0" A-2.0 3



SECTION DETAIL @ DOOR HEAD
1 1/2" = 1'-0" A-2.0 2



SECTION DETAIL @ FOUNDATION WALL
1 1/2" = 1'-0" A-2.0 1

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P3E 3A3
SECTION & PLAN DETAILS

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Scale: 1 1/2" = 1'-0"
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Project No: 2047
Drawing No: Rev: 1

A-3.0

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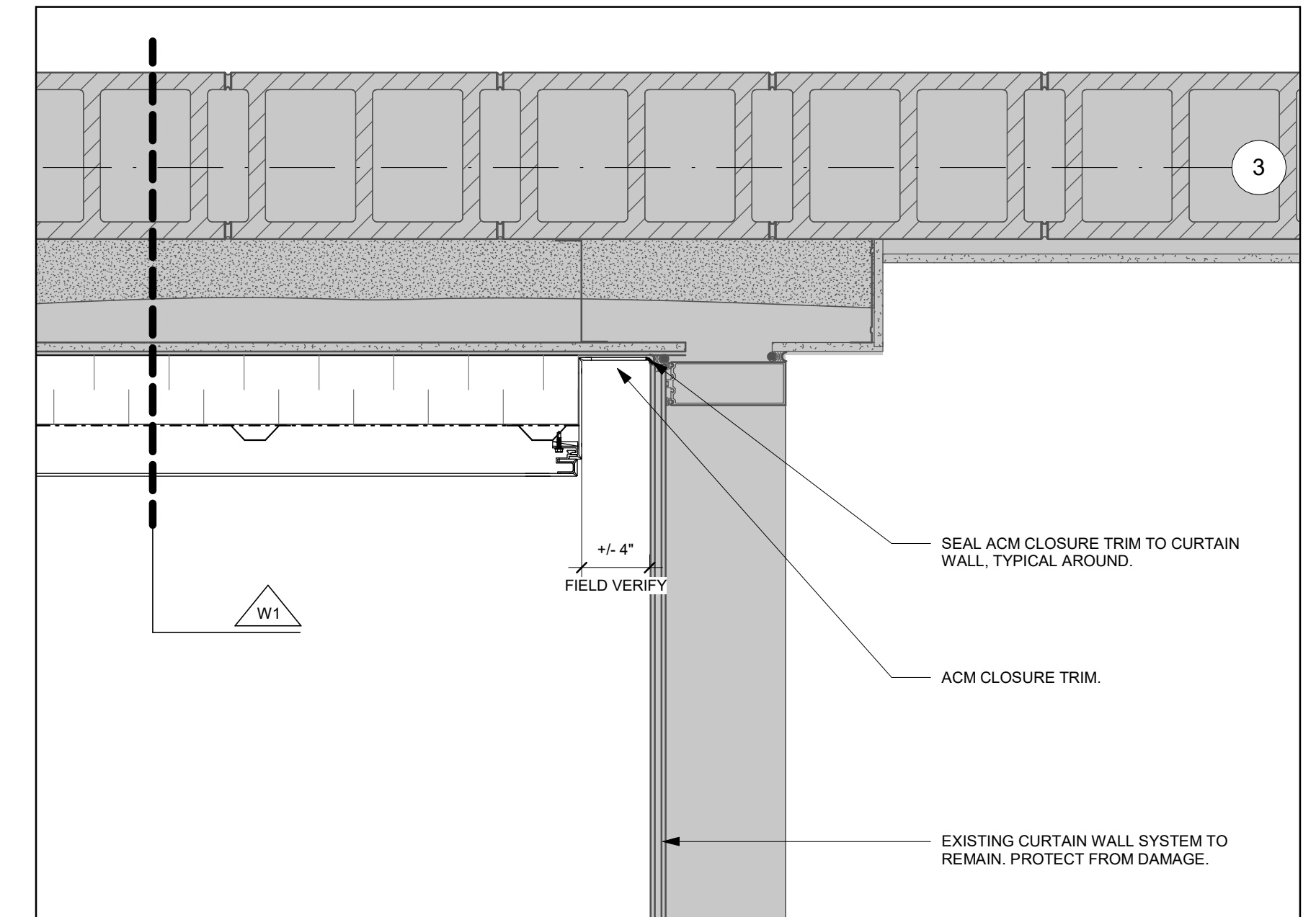


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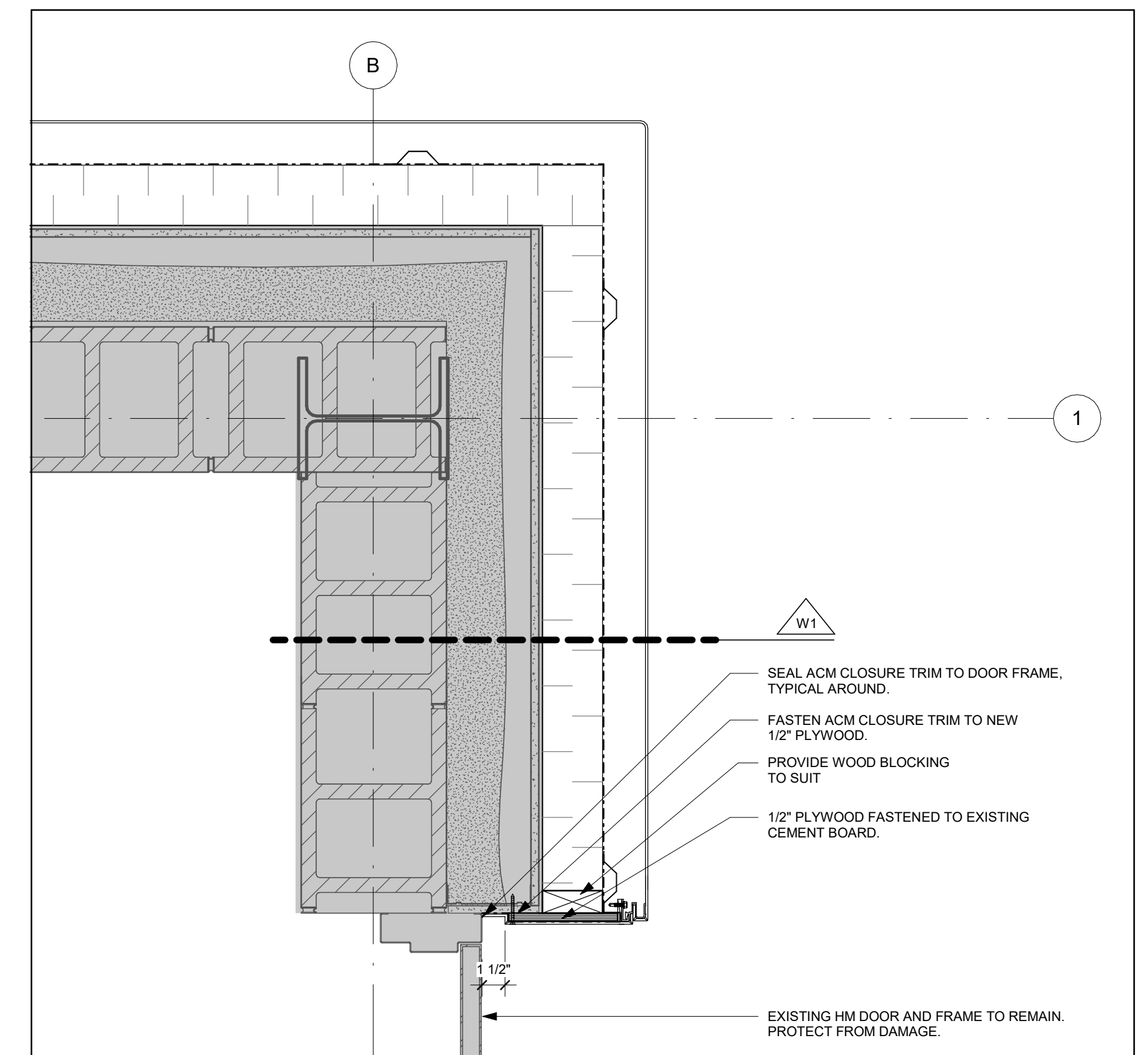
PUBLIC HEALTH SUDBURY AND DISTRICTS - WALL REMEDIATION AT WEST STAIRWELL
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PLAN DETAILS

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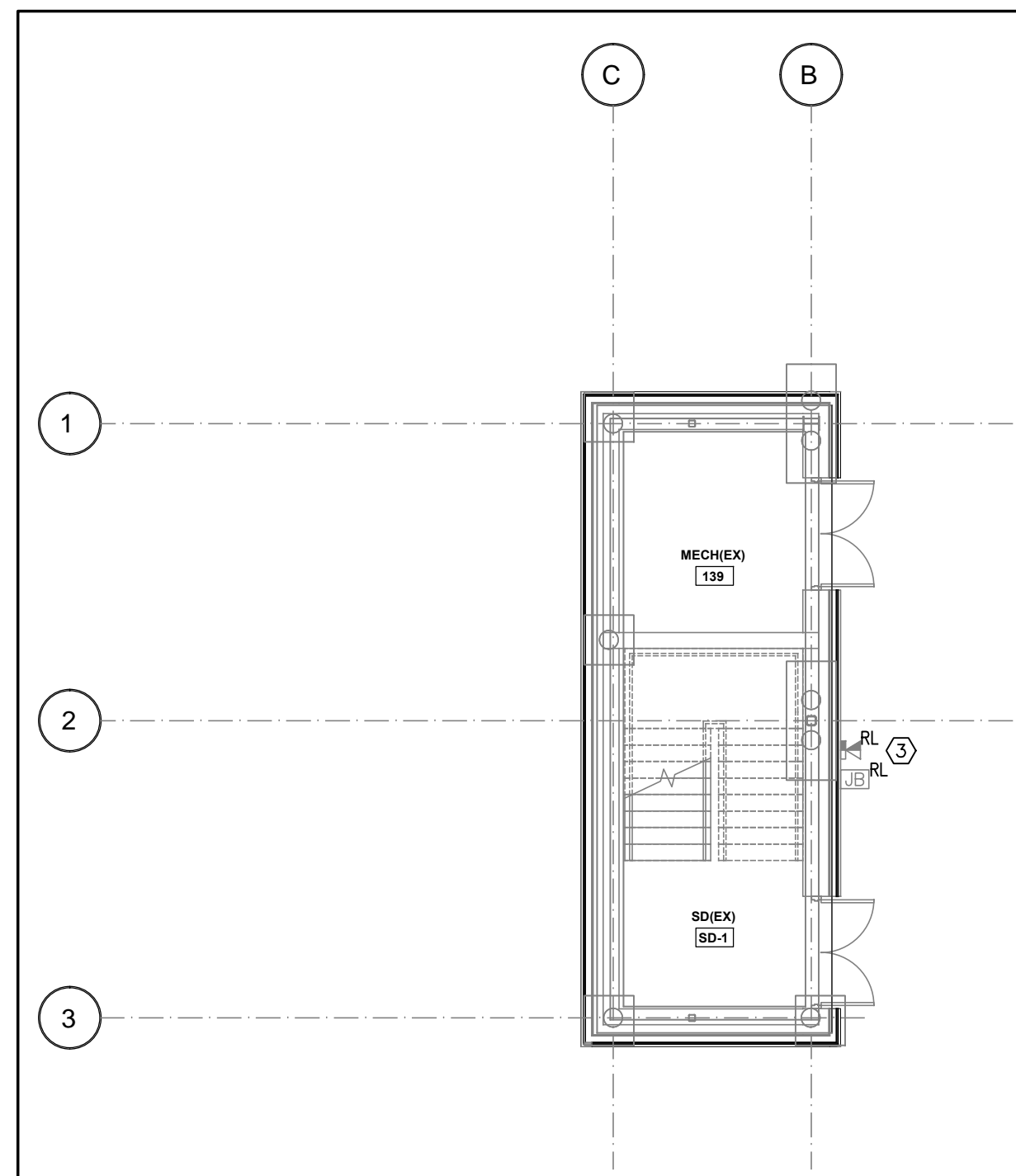
A-3.1



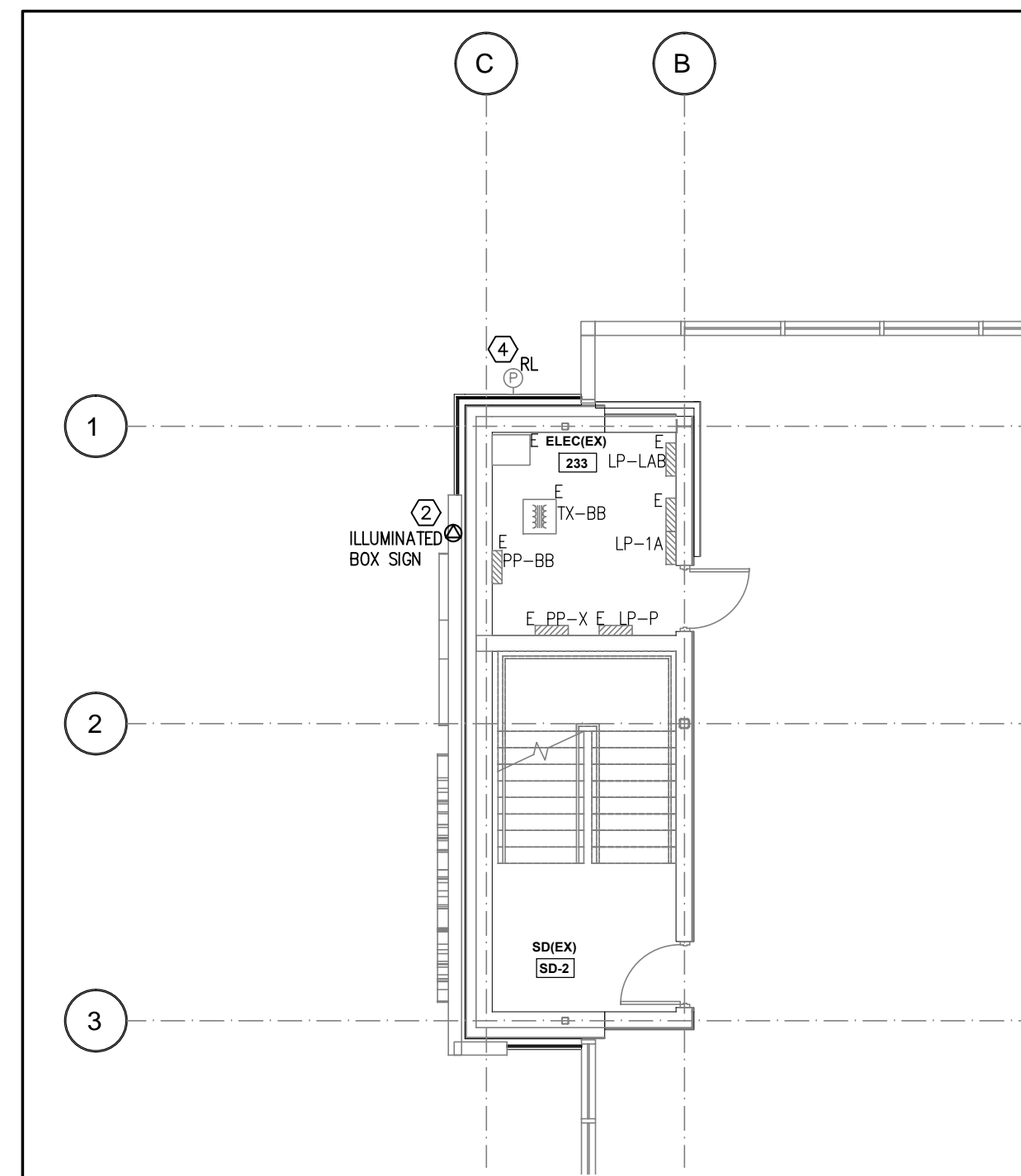
PLAN DETAIL @ CURTAIN WALL INTERSECTION P2
 1 1/2" = 1'-0" A-1.0



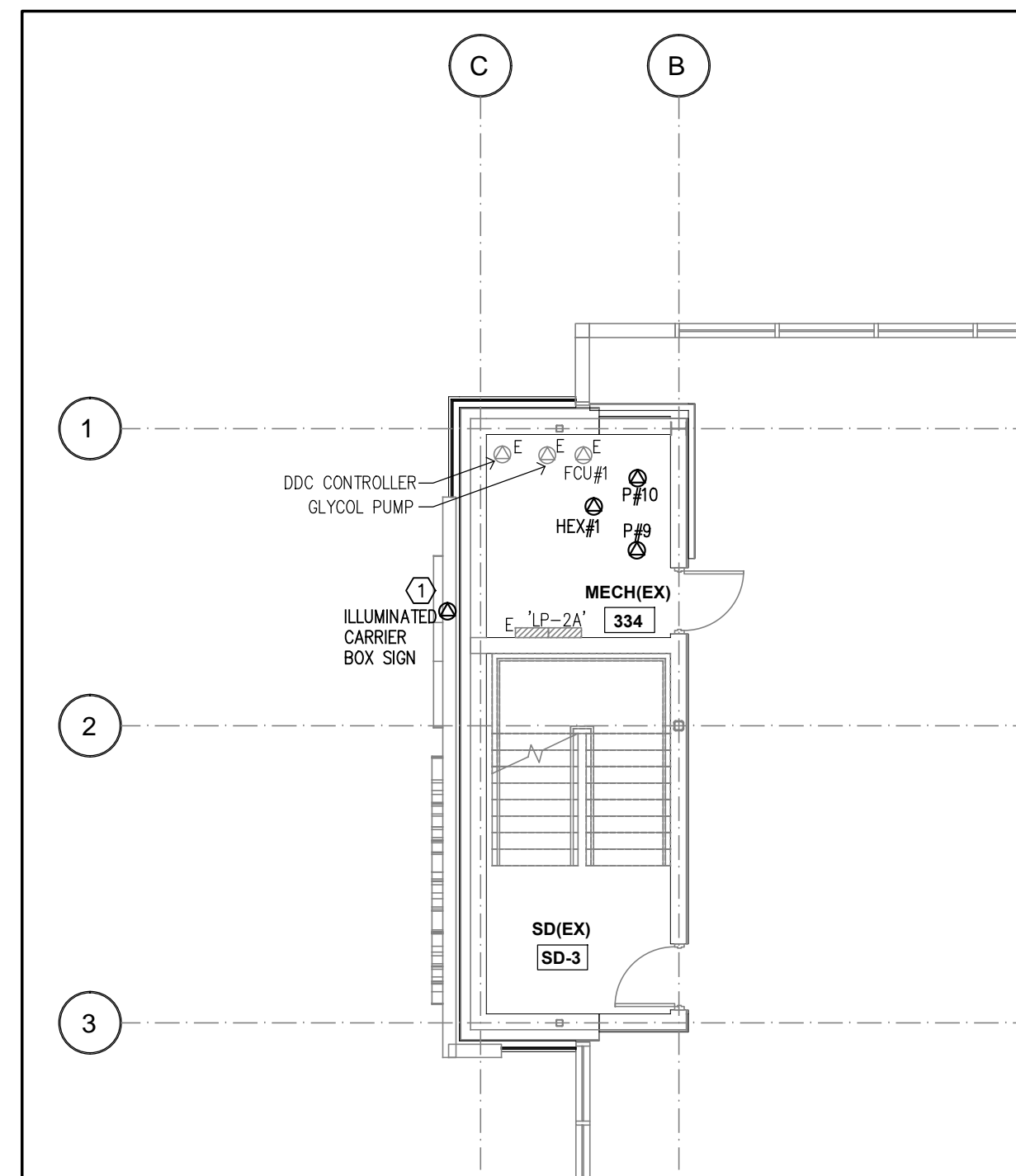
PLAN DETAIL @ DOOR JAMB / OUTSIDE CORNER P1
 1 1/2" = 1'-0" A-1.0



1 Power - West Stairwell - Level One Floor Plan
E101 1/8" = 1'-0"



2 Power - West Stairwell - Level Two Floor Plan
E101 1/8" = 1'-0"



3 Power - West Stairwell - Level Three Floor Plan
E101 1/8" = 1'-0"

ELECTRICAL LEGEND

- ⊙ DIRECT CONNECTION FOR EQUIPMENT
- ▨ EPX ELECTRICAL PANEL, FLUSH MOUNTED (DESIGNATION AS SHOWN)
- ▩ EPX ELECTRICAL PANEL, SURFACE MOUNTED (DESIGNATION AS SHOWN)
- ⊞ or ⊞ TRANSFORMER
- ⊞ COMBINATION HORN/STROBE LIGHT
- ⊞ JUNCTION BOX COMPLETE WITH COVER PLATE
- ⊞ PHOTOCELL CONTROL
- R EXISTING DEVICE TO BE REMOVED
- RL EXISTING DEVICE TO BE RELOCATED
- E EXISTING DEVICE TO REMAIN
- ER EXISTING DEVICE TO BE REPLACED WITH NEW

DRAWING NOTES:

- 1 NEW ILLUMINATED BOX SIGN SHALL BE FED FROM EXISTING PANEL "LP-P". PANEL IS EATON POWERLINE PRL1g 225A, 120/208V, 3Ø, 4W. CONTRACTOR SHALL PROVIDE A NEW 20A/1P BREAKER AND FEED WITH 2#12-16mmC.
- 2 NEW ILLUMINATED CARRIER BOX SIGN SHALL BE FED FROM EXISTING PANEL "LP-P". PANEL IS EATON POWERLINE PRL1g 225A, 120/208V, 3Ø, 4W. CONTRACTOR SHALL PROVIDE A NEW 20A/1P BREAKER AND FEED WITH 2#12-16mmC.
- 3 EXISTING HORN STROBE AND JUNCTION BOX SHALL BE REMOVED AND RELOCATED TO SUIT NEW CLADDING. EXTEND WIRING AS REQUIRED.
- 4 DISCONNECT AND REMOVE PHOTOCELL. RE-INSTALL BACKBOX FLUSH WITH NEW EXTERIOR. RECONNECT WIRING AND RE-INSTALL PHOTOCELL.

ELECTRICAL GENERAL NOTES:

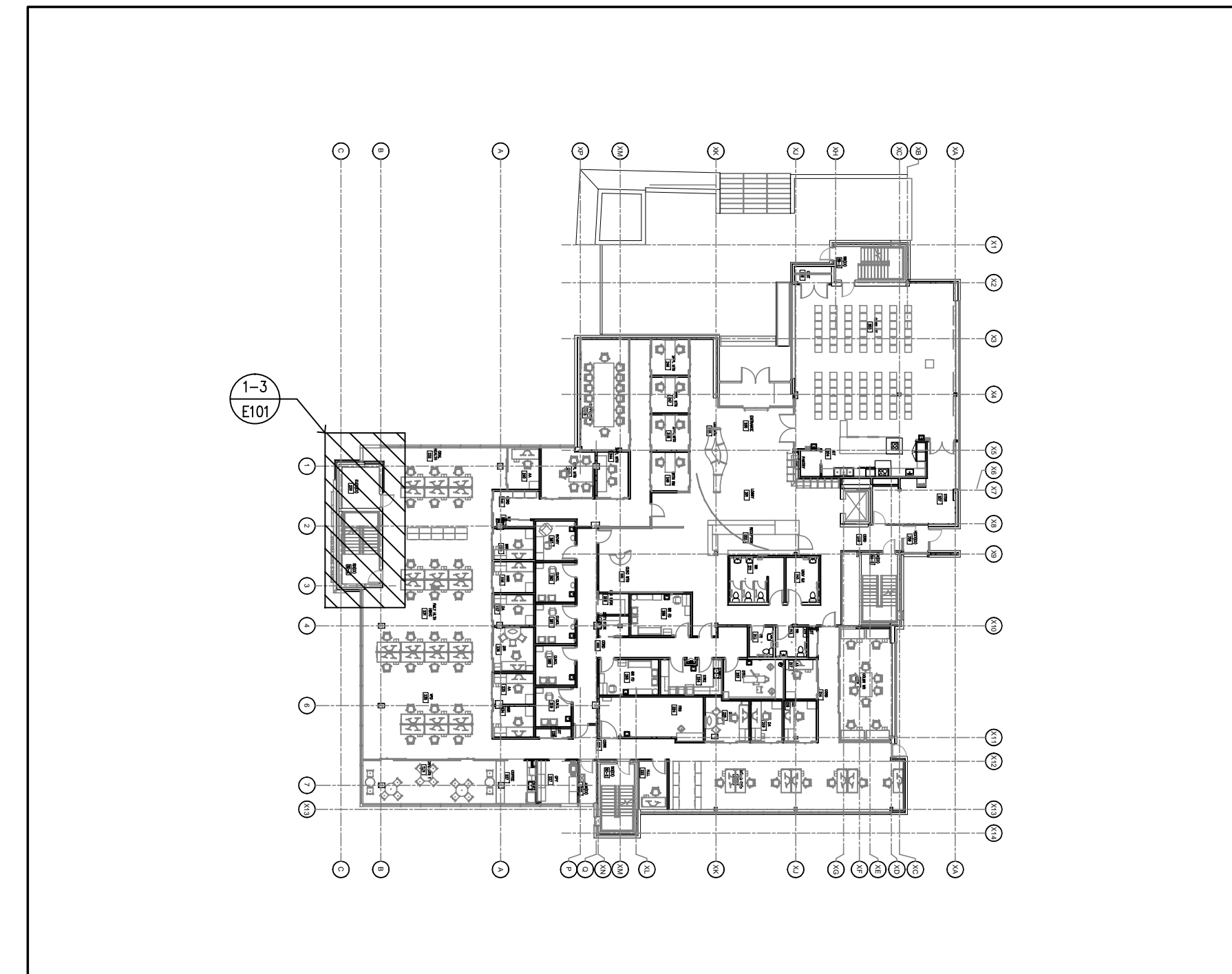
1. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE.
2. ELECTRICAL CONTRACTOR IS TO OBTAIN ALL APPROVALS FROM LOCAL ELECTRICAL SAFETY AUTHORITY PRIOR TO COMMENCING WORK.
3. ALL DEVICES SHOWN ARE NEW, UNLESS OTHERWISE NOTED.
4. FIRE STOP ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES.
5. ALL WIRING TO BE CONCEALED WHERE POSSIBLE. IF NOT POSSIBLE, PROVIDE SURFACE MOUNTED METAL RACEWAY AND MATCHING SURFACE MOUNTED BOX. RACEWAY TO BE SAME COLOUR AS BACKGROUND SURFACE, AND BE RAN AS NEAT AS POSSIBLE, PARALLEL / PERPENDICULAR TO BUILDING LINES. CONFIRM INSTALLATION DETAILS PRIOR TO ROUGH-IN.
6. COORDINATE ALL WORK WITH ARCHITECTURAL DRAWING AND SPECIFICATIONS.

POWER GENERAL NOTES:

1. PROVIDE BONDING CONDUCTOR AND CONNECTION (AS PER DESS) FOR ALL PERMANENTLY CONNECTED EQUIPMENT. COORDINATE EXACT REQUIREMENTS ON SITE.
2. BRANCH CIRCUIT WIRING IN CONCEALED SPACES TO BE INSTALLED IN CONDUIT. REFER TO THE SPECIFICATIONS ON THE MAXIMUM LENGTH OF ARMoured CABLES THAT CAN BE USED.
3. COORDINATE EXACT LOCATION OF ALL DEVICES ON SITE WITH EQUIPMENT SHOWN ON ARCHITECTURAL PLANS, PRIOR TO ROUGH-IN.
4. ENSURE A MINIMUM OF 1M CLEARANCE IS MAINTAINED IN FRONT OF ALL PANELS AND DISCONNECT SWITCHES.
5. ELECTRICAL CONTRACTOR TO PROVIDE THE DEVICE INFORMATION ON ALL CIRCUITS IN THE PANEL SCHEDULE. (FOR EXAMPLE, RECEIPT - RM 100)

FIRE ALARM GENERAL NOTES:

1. RELOCATE FIRE ALARM DEVICES AS SHOWN AND PROVIDE PARTIAL FIRE ALARM SYSTEM VERIFICATION (TO CAN/ULC-5537 STANDARDS) UPON COMPLETION.



Key Plan
N.T.S.

1. ISSUED FOR TENDER APR. 07, 2021

revision date

the Contractor shall check and verify all dimensions before proceeding with the work

A detail no.
B sheet no. where detailed

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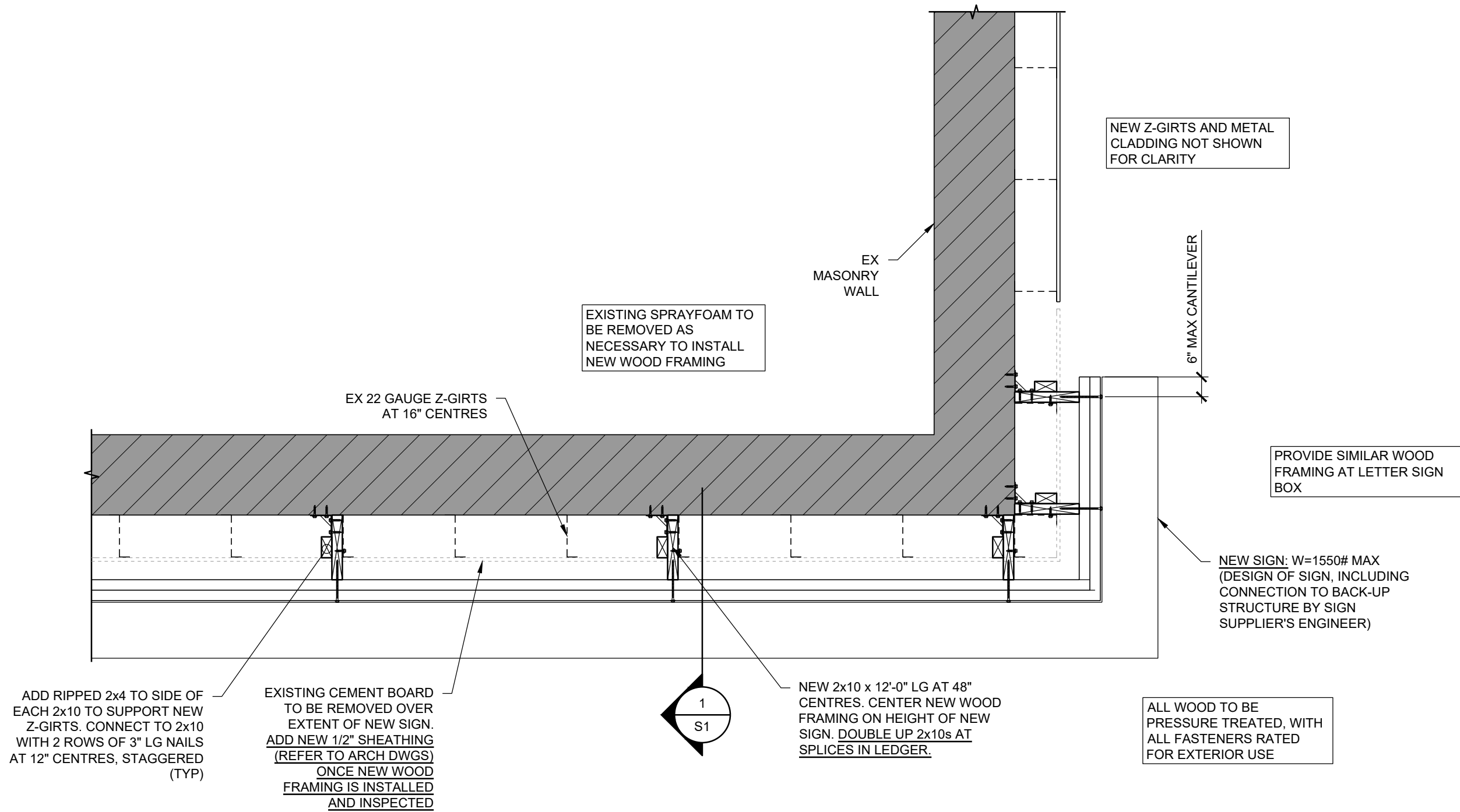


PIOTROWSKI
Consultants Limited
1820 Bond St. North Bay, Ontario, P1B 4V6
Ph. 705-472-2536 Fx. 705-476-5105
Email - pci@piotrowskiconsultants.ca

project
**PUBLIC HEALTH SUDBURY & DISTRICTS
WALL REMEDIATION AT WEST STAIRWELL**
SUDBURY ONTARIO

title
**ELECTRICAL
POWER
LEGEND, NOTES,
DETAILS & FLOOR PLAN**

drawn by: EH	date: MARCH 2021
checked by: NGA/RM	project no: 6373A
scale: AS NOTED	dwg no: E101
plotted: April 6, 2021	

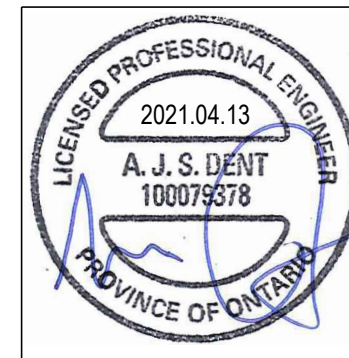
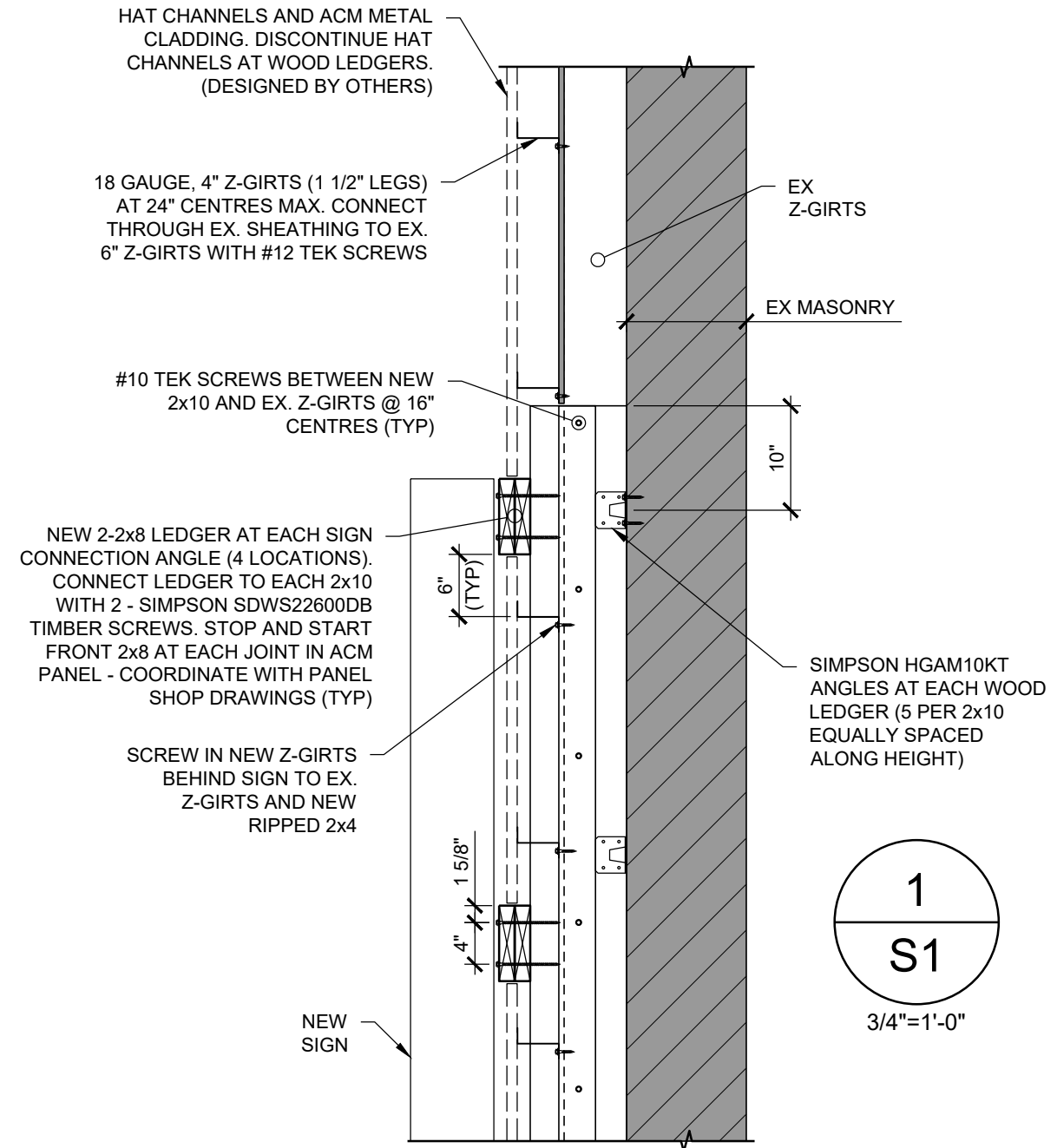


PHSD - NEW SIGNAGE 1300 PARIS STREET, SUDBURY		
STRUCTURAL PLAN		
DATE:	2021.04.13	DRAWING NO.: S1 OF 3
SCALE:	3/4"=1'-0"	
DRAWN BY:	AJD	
CHECKED BY:	SWC	
PROJECT NO.:	21040A	

CONNECTION SCHEDULE	
# OF PLIES	CONNECTORS AND DETAILS
2	76 (3") LONG SIMPSON SDW SCREWS IN 2 ROWS @ 406 (16") C/C MAX.
3	117 (4 5/8") LONG SIMPSON SDW SCREWS IN 2 ROWS @ 305 (12") C/C MAX
4	152 (6") LONG SIMPSON SDW SCREWS IN 2 ROWS @ 305 (12") C/C MAX

- STAGGER SCREWS ON EACH FACE OF BEAM.
- LOCATE FIRST ROW OF SCREWS 152 (6") FROM EACH END.
- LOCATE SCREWS 38 (1 1/2") FROM EDGE.
- ADD ADDITIONAL ROW OF SCREWS FOR BEAMS DEEPER THAN 229 (9").

TDW05 **CONNECTIONS FOR SIDE-LOADED BUILT-UP WOOD (DIMENSIONAL LUMBER) BEAMS**



PHSD - NEW SIGNAGE 1300 PARIS STREET, SUDBURY		
STRUCTURAL SECTIONS AND DETAILS		
DATE:	2021.04.13	S2 OF 3
SCALE:	3/4"=1'-0"	
DRAWN BY:	AJD	
CHECKED BY:	SWC	
PROJECT NO.:	21040A	

STRUCTURAL WORK

1. GENERAL

- 1.1. COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
 - 1.1.1. A BUILDING PERMIT IS REQUIRED FOR ALL STRUCTURAL WORKS UNLESS OTHERWISE NOTED BY THE CHIEF BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION.
- 1.2. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR THE COMPLETION OF THE WORK. BREAKDOWN OF WORK BY TRADE IS FOR GUIDANCE ONLY AND IS NOT NECESSARILY COMPLETE.
- 1.3. REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- 1.4. DO NOT SCALE THESE DRAWINGS.
- 1.5. COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS IN STRUCTURE WITH THE CONTRACT DOCUMENTS PREPARED BY ALL CONSULTANTS. REPORT ANY CONFLICTS BEFORE PROCEEDING WITH THE WORK.
- 1.6. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL CONSULTANT UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.

2. TEMPORARY WORKS

- 2.1. STRUCTURAL DRAWINGS SHOW THE INTENT OF THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SCOPE, DESIGN AND ERECTION OF ALL TEMPORARY WORKS THAT ARE NECESSARY TO COMPLETE THE WORK. TEMPORARY WORKS MAY BE REQUIRED THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
- 2.2. MAKE GOOD ALL EXISTING WORK DISTURBED BY TEMPORARY CONSTRUCTION OPERATIONS.

3. EXISTING STRUCTURES

- 3.1. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- 3.2. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES DURING CONSTRUCTION.
- 3.3. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.

4. INSPECTION AND TESTING

- 4.1. COOPERATE WITH CONSULTANTS DOING GENERAL REVIEW AND ALL INSPECTION AND TESTING AGENCIES. PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED AND ASSIST IN THEIR WORK. PROVIDE REASONABLE NOTICE (NOT LESS THAN 48 HOURS) PRIOR TO CONCEALING ANY WORK THAT REQUIRES INSPECTION, REVIEW, OR TESTING. SCHEDULE THIS WORK TO OCCUR DURING NORMAL BUSINESS HOURS. ENSURE THAT THE WORK TO BE REVIEWED IS SUBSTANTIALLY COMPLETE IN TIME FOR THE REVIEW.
- 4.2. THE STRUCTURAL CONSULTANT WILL PROVIDE GENERAL REVIEW OF THE WORK DESIGNED BY THE CONSULTANT ON A RATIONAL SAMPLING BASIS IN ACCORDANCE WITH THE GUIDELINE: "PROFESSIONAL ENGINEERS PROVIDING GENERAL REVIEW OF CONSTRUCTION AS REQUIRED BY THE ONTARIO BUILDING CODE" AS PREPARED BY PROFESSIONAL ENGINEERS ONTARIO. THESE REVIEWS DO NOT ALLEVIATE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITH AN APPROPRIATE QUALITY CONTROL PROGRAM.
- 4.3. ENSURE THAT GENERAL REVIEW IS PROVIDED FOR ALL STRUCTURAL WORK DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. GENERAL REVIEW TO BE BY THE ENGINEER RESPONSIBLE FOR THE DESIGN OR BY ANOTHER PROFESSIONAL ENGINEER LICENSED AND INSURED IN ONTARIO. SUBMIT GENERAL REVIEW REPORTS FOR REVIEW.

5. COLD-FORMED STEEL FRAMING (CFS)

- 5.1. CONFORM TO CAN/CSA S136: "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- 5.2. MATERIALS:
 - 5.2.1. THICKNESS LESS THAN OR EQUAL TO 0.0451": A653/653M GRADE A, 230W
 - 5.2.2. THICKNESS GREATER THAN 0.0451": A653/653M GRADE D, 350W
- 5.3. FASTENERS:
 - 5.3.1. FASTENERS SPECIFICALLY NOTED ELSEWHERE ON THE STRUCTURAL DRAWINGS GOVERN.
 - 5.3.2. CFS-TO-CFS FASTENERS TO BE BUILDEX #10-16 TEKS/1 OR #10-16 TEKS/3 SELF-DRILLING, SELF-TAPPING SCREWS OR APPROVED EQUIVALENT. PROVIDE ELECTRO-ZINC (EZ) COATING.
 - 5.3.3. WOOD-TO-CFS FASTENERS (INCLUDING SHEATHING) TO BE #10-16 TEKS/3 SELF-DRILLING, SELF-TAPPING SCREWS OR APPROVED EQUIVALENT. PROVIDE ELECTRO-ZINC (EZ) COATING. FASTENERS ARE TO BE INSTALLED FROM THE WOOD INTO THE LGM.

- 5.3.4. SELF-DRILLING SCREWS: MINIMUM PENETRATION BEYOND METAL IS 3 PITCHES OF THREAD. DO NOT OVERDRIVE.

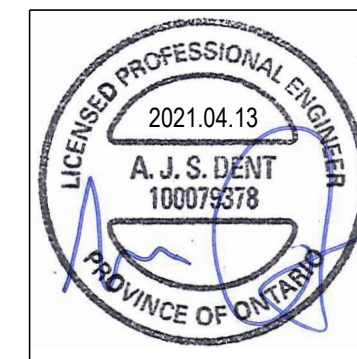
6. STRUCTURAL WOOD

- 6.1. CONFORM TO CSA O86: "ENGINEERING DESIGN IN WOOD"
- 6.2. MATERIALS:
 - 6.2.1. LUMBER CONFORMING TO CSA O141.
 - 6.2.1.1. SPRUCE-PINE-FIR (SPF) NO.1/NO.2 MINIMUM. STUD GRADE IS NOT PERMITTED IN STRUCTURAL WORKS.
 - 6.2.1.2. KILN DRIED WITH MAXIMUM MOISTURE CONTENT OF 19%.
 - 6.2.2. NAILS TO BE COMMON ROUND OR SPIRAL STEEL WIRE CONFORMING TO CSA B111 OR ASTM F1667. DO NOT SUBSTITUTE WITH BOX NAILS.

	PENNY	MIN. DIAMETER	MIN. DIAMETER	MIN. DIAMETER
LENGTH	WEIGHT	COMMON WIRE	COMMON SPIRAL	PNEUMATIC
76 (3")	10d	3.66 (0.144")	3.10 (0.122")	3.05 (0.120")
 - 6.2.3. ALL CONNECTORS BY SIMPSON STRONG-TIE OR EQUIVALENT APPROVED BY THE CONSULTANT PRIOR TO CONSTRUCTION. FASTEN TO STRUCTURE PER THE MANUFACTURERS REQUIREMENTS. DO NOT SUBSTITUTE FASTENERS.
- 6.3. CONNECT BUILT-UP MEMBERS AS PER THE TYPICAL DETAILS OR AS RECOMMENDED BY THE SUPPLIER (FOR STRUCTURAL COMPOSITE LUMBER) UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS. SPLICES ARE NOT PERMITTED IN BUILT-UP MEMBERS.
- 6.4. DO NOT NOTCH STRUCTURAL WOOD MEMBERS WITHOUT THE WRITTEN CONSENT OF THE DESIGNER AND/OR CONSULTANT.

7. DESIGN DATA

- 7.1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 SUPPLEMENTED BY THE USER'S GUIDE - NBC 2015 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B).
- 7.2. CLIMATIC LOCATION: SUDBURY, ONTARIO
- 7.3. IMPORTANCE CATEGORY: NORMAL
- 7.4. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ARE SPECIFIED (UNFACTORED). FOR POINT LOADS, IF ONLY ONE LOAD IS GIVEN, CONSIDER IT LIVE LOAD.
- 7.5. WIND LOADS
 - 7.5.1. $q(1/50) = 0.46 \text{ kPa}$
 - 7.5.2. $C_e = 0.70 \quad C_g = 2.5 \quad C_p = -1.2$
 - 7.5.3. $WL = I_w(0.46) (0.7)(2.5)(-1.2) = 0.97 \text{ kPa} = 1.35 \text{ kPa (ULS)}$



PHSD - NEW SIGNAGE		
1300 PARIS STREET, SUDBURY		
STRUCTURAL NOTES		
DATE:	2021.04.13	DRAWING NO.:
SCALE:	NTS	S3 OF 3
DRAWN BY:	AJD	
CHECKED BY:	SWC	
PROJECT NO.:	21040A	