

**ADDENDUM # 1**

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<b>Project</b>	TA Blakelock High School Renovations	<b>Project No.</b>	2215-C
<b>Location</b>	1160 Rebecca Street, Oakville, ON	<b>Date of Issue</b>	2025 04 24
<b>Owner</b>	Halton District School Board	<b>File</b>	2215/7.1.3

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This Addendum forms part of the Contract Documents and amends the original Drawings and Specifications, dated 2025 04 17, and all preceding Addenda, as noted below.

Ensure all parties submitting bids are aware of all items included in this Addendum. Read, interpret and coordinate the items contained herein with the Contract Documents and include all related costs as part of the Bid Price. Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the bidder to disqualification.

This Addendum consists of 2 pages plus noted attachments, including 9 full size drawings.

**A1-1 09 96 46 INTUMESCENT PAINTING**

- .1 New specification section added.

**A1-2 DRAWING A100-D KEY PLAN, FLOOR PLANS - ELEVATORS - DEMO**

- .1 Replace drawing with the attached Revision No. 4.
- .2 Drawing reissued to clarify demolition scope and include additional Demolition Notes D15-D20.

**A1-3 DRAWING A100 KEY PLAN, FLOOR PLANS - ELEVATORS - NEW**

- .1 Replace drawing with the attached Revision No. 4.
- .2 Drawing reissued to clarify scope and include new walls/chase based on coordination with Mechanical and Electrical drawings.

**A1-4 DRAWING A103 KEY PLAN, FLOOR FINISH & ROOM FINISH NOTES, ELEVATORS - NEW**

- .1 New drawing added.

**A1-5 DRAWING A106 SECTION DETAILS**

- .1 Replace Drawing with the attached Revision No. 2.
- .2 Drawing reissued to revise fire protection notes and added details 14-18.

**A1-6 MECHANICAL**

- .1 See attached Mechanical Addendum No. 1 prepared by EXP Services Inc.

**A1-7 BIDDERS QUESTIONS**

- .1 Q. Will Fire Protection/Sprinkler scope of work fall under the General Contractor scope or Mechanical?

A. Fire Protection is part of SC01 – GENERAL as noted under specification section 01 12 00 MULTIPLE CONTRACT SUMMARY. There is no sprinkler work for this project.

- .2 Q. Please provide a schedule for when work can be completed?

A. Construction staging and schedule will be shared via separate addendum.

END OF ADDENDUM #1

1 General

1.1 RELATED SECTIONS

- .1 Section 09 90 00 - Painting and Coating.

1.2 REFERENCES

- .1 ASTM E2924-14(2020): Standard Practice for Intumescent Coatings.
- .2 SSPC-PA 2-2015: Procedure for Determining Conformance to Dry Coating Thickness Requirements.
- .3 CAN/ULC-S102-2018 (REV1): Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

1.3 PRODUCT DATA

- .1 Submit Product data as specified in Section 01 33 00.
- .2 Product Data: Manufacturer's standard data sheets, including information on physical properties, installation instructions and general requirements for each specified intumescent material.

1.4 SAMPLES

- .1 Submit samples as specified in Section 01 33 00.
- .2 Verification Samples: 300 x 300 mm size sample of each type of intumescent coating, applied to a rigid backing, in colour and finish indicated.

1.5 CLOSEOUT SUBMITTALS

- .1 Submit closeout submittals as specified in Section 01 78 00.
- .2 Maintenance Data: Manufacturer's standard maintenance and cleaning guidelines, including procedures for stain removal, repairing surface, and general cleaning; sufficient quantity for inclusion in operation and maintenance manuals.

1.6 QUALIFICATIONS

- .1 Applicator: A firm experienced in applying intumescent coatings, having minimum 10 years documented experience.

1.7 DELIVERY, STORAGE AND HANDLING

- .1 Refer to Section 01 60 00.
- .2 Store Products in a dry, enclosed area protected from exposure to moisture.
- .3 Maintain temperatures between 16 degrees C and 32 degrees C.

1.8 AMBIENT CONDITIONS

- .1 Refer to Section 01 60 00.
- .2 Do not install coating when ambient temperature is below 4 degrees C or above 43 degrees C.
- .3 Maintain this temperature range 7 days before, during, and 48 hours after coating application.
- .4 Ensure adequate ventilation is maintained during and after coating application. Comply with WHMIS requirements and manufacturer's instructions.

## 2 Products

### 2.1 MANUFACTURERS

- .1 Manufacturers having Products considered acceptable for use:
  - .1 3M Company Canada.
  - .2 AD Fire Protection Systems Inc.
  - .3 Carboline Company.
  - .4 Isolatek International.

- .2 Substitution Procedures: Refer to Section 01 25 00.

### 2.2 DESCRIPTION

- .1 Intumescent Coating: Multi-component seamless intumescent coating system, consisting of a primer, intermediate, finish and tinted top coats, applied to sufficient thicknesses to achieve required fire resistance ratings and W/D factors.

### 2.3 REGULATORY REQUIREMENTS

- .1 Conform to applicable regulatory requirements for surface burning characteristics when tested to CAN/ULC-S102.

### 2.4 MATERIALS

- .1 Ferrous Metal Primer: Two-component, high solids, low-VOC, corrosion-resistant epoxy; eg. Carboguard 880 by Carboline; Gray colour.
- .2 Galvanized Metal Primer: Two-component polymeric epoxy amine, 99 percent solids by volume; eg. Rustbond by Carboline; Translucent Green colour.
- .3 Intermediate Coat - Exterior Applications: Single-component intumescent, 67 percent solids by volume; eg. Nullifire S605 by Carboline, Pale Green colour.
- .4 Intermediate Coat - Interior Applications: Single-component intumescent, 67 percent solids by volume; eg. Nullifire S606 by Carboline, Pale Pink colour.
- .5 Finish Coat: Two-component polyamido-amine epoxy, 98 percent solids by volume; eg. Carboguard 1340 by Carboline; Clear Amber colour, Gloss finish.
- .6 Tinted Top Coat: Two-component urethane, Semi-Gloss finish, colours as selected by Consultant; eg. Carbothane 133 VOC by Carboline.

### 2.5 MIXING

- .1 Thoroughly mix ingredients in proper quantities needed for immediate use.
- .2 Provide uniformity of mix and colouration.
- .3 Discard mixed material 45 minutes after initial mixing at an air temperature of 25 degrees C.

## 3 Execution

### 3.1 EXAMINATION

- .1 Refer to Section 01 71 00.
- .2 Verify ferrous metal surfaces have been prepared using SSPC SP-6, Commercial Blast Cleaning method.

### 3.2 PREPARATION

- .1 Clean substrate surface free of foreign matter.
- .2 Spray apply ferrous metal primer to 0.02 mm dry film thickness.
- .3 Spray apply galvanized metal primer to 0.05 mm dry film thickness.
- .4 Allow primer to cure.

### 3.3 APPLICATION

- .1 Apply intumescent coatings to ASTM E2924 and SSPC Steel Structures Painting Manual, Volume 2.
- .2 Spray apply intermediate coating to primed substrate in multiple coats, to a dry film thickness sufficient to achieve required fire resistance rating and W/D factor of steel member being protected. Refer to UL Directory under relevant UL design. Allow each coat to cure prior to applying subsequent coats.
- .3 Spray apply finish coating over cured intermediate coating to 0.05 mm dry film thickness.
- .4 Apply tinted top coating over cured finish coating, applied to 0.125 mm dry film thickness.
- .5 Terminate in straight lines, at masking tape line.
- .6 Thoroughly air cure applied Products.
- .7 Prevent contamination during application and prior to completion of curing process. Close area of application for minimum 24 hours after application.
- .8 Ensure cured intumescent coatings have a smooth, flat and even surface, without visually noticeable runs, sags, waves and other imperfections.

### 3.4 FIELD QUALITY CONTROL

- .1 Arrange for manufacturer's representative to be present at start of installation.
- .2 Field inspection will be performed by an independent inspector, as specified in Section 01 40 00.
- .3 Verify dry film thicknesses with positector or similar dry film thickness testing device to SSPC-PA 2.

### 3.5 CLEANING

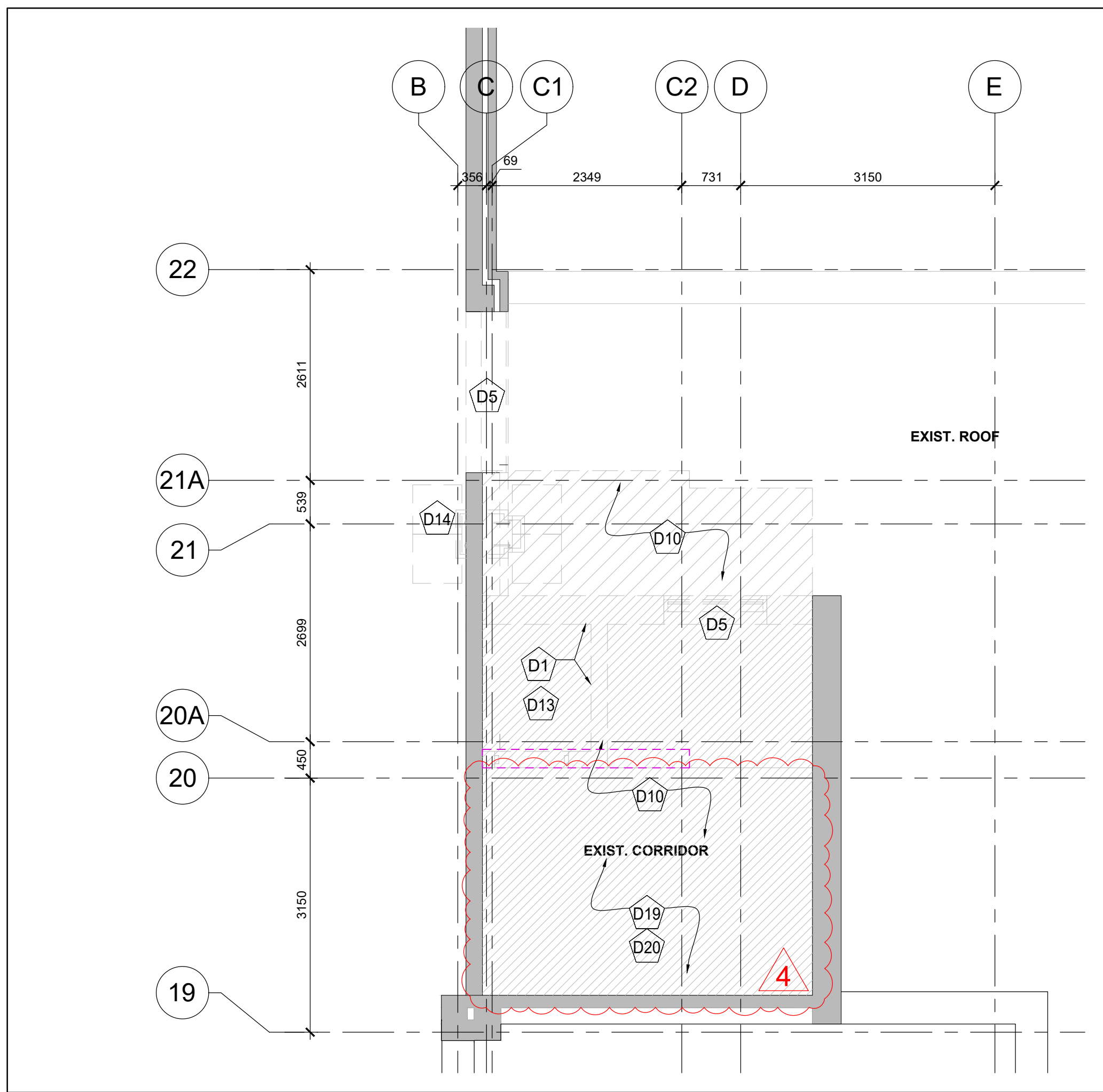
- .1 Refer to Section 01 74 00.
- .2 Remove temporary protective coverings and clean intumescent coatings prior to final inspection.

### 3.6 PROTECTION

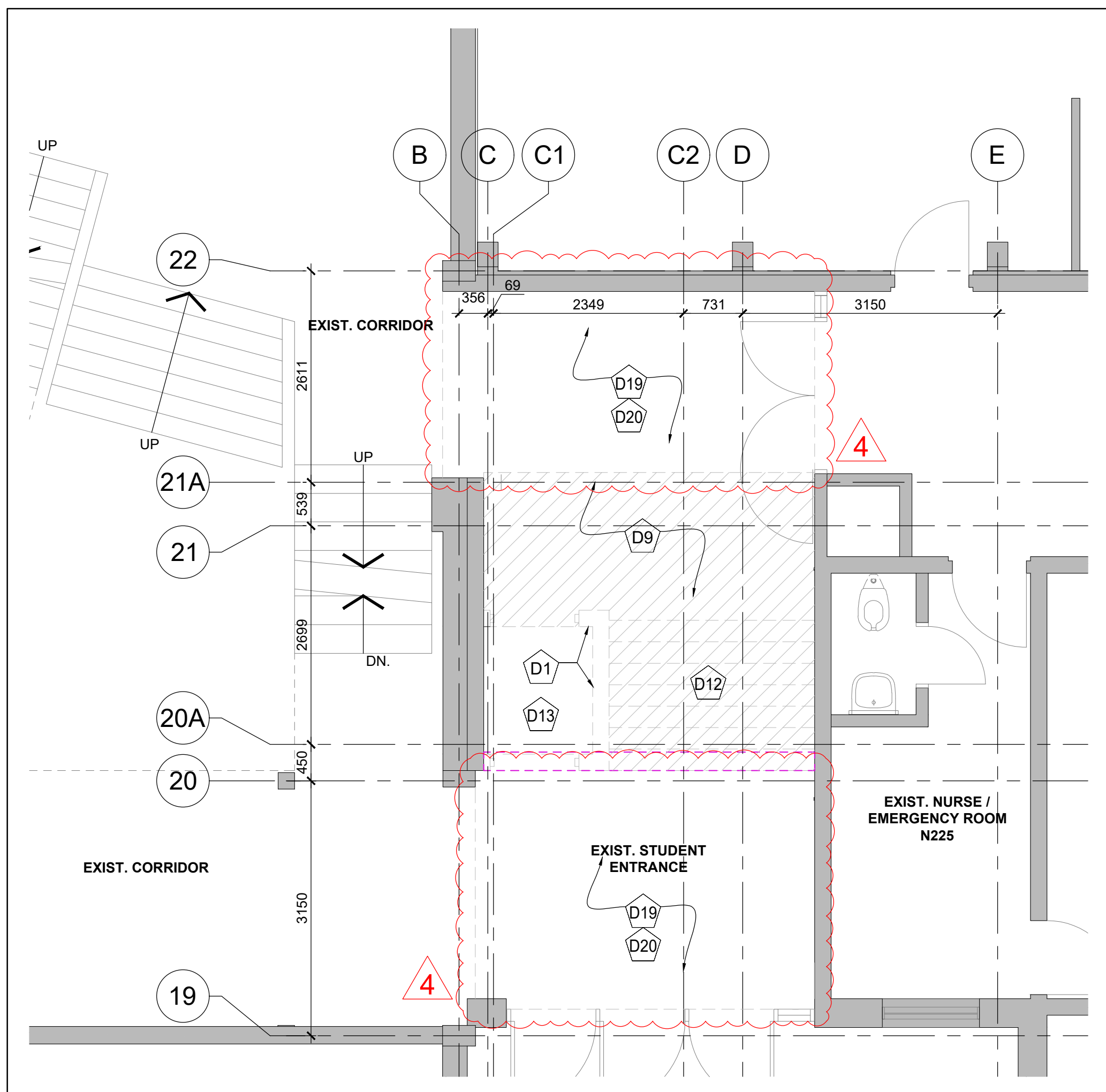
- .1 Refer to Section 01 76 00.
- .2 Protect intumescent coatings from damage and wear during construction with temporary protective coverings.

END OF SECTION

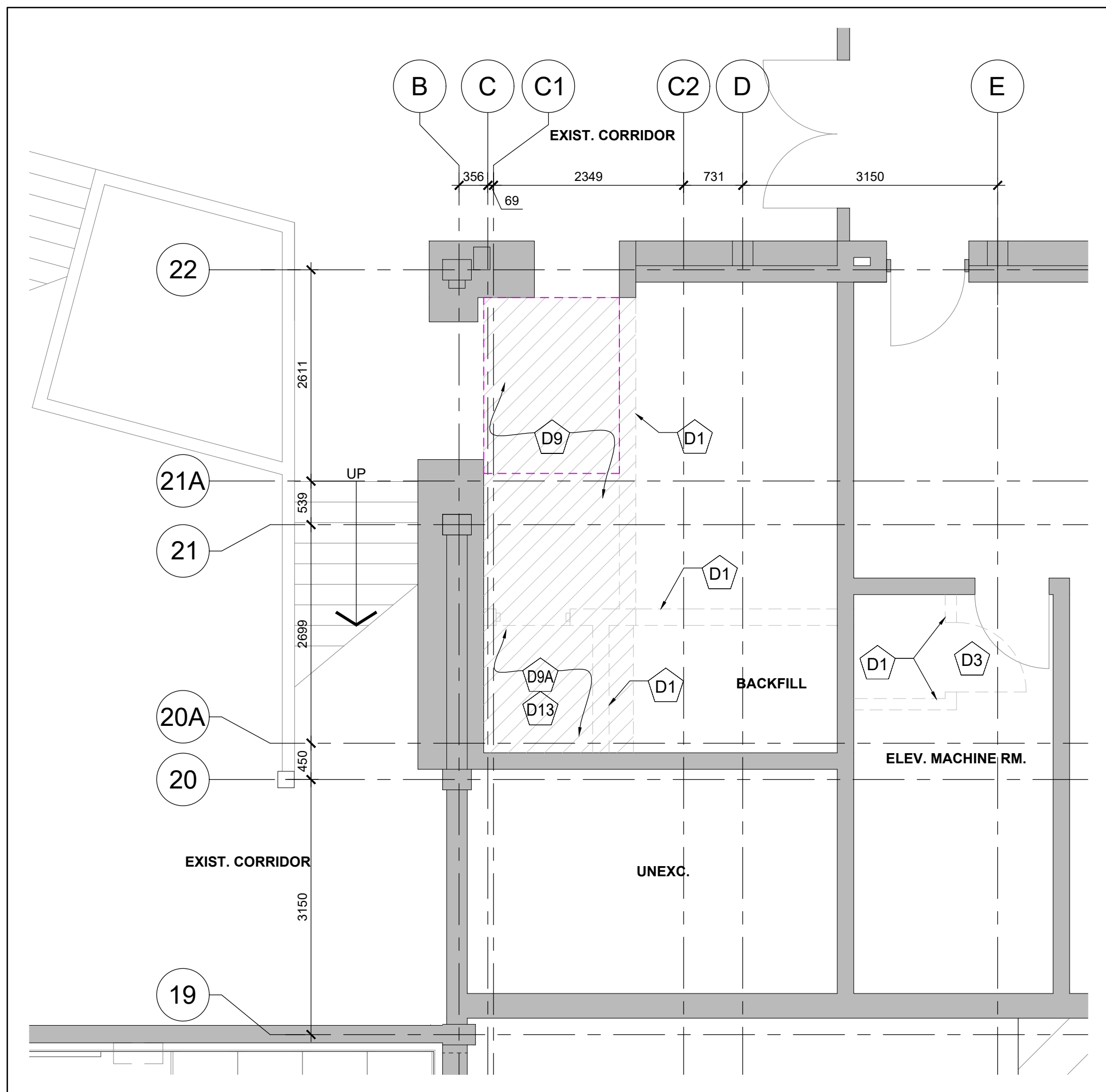




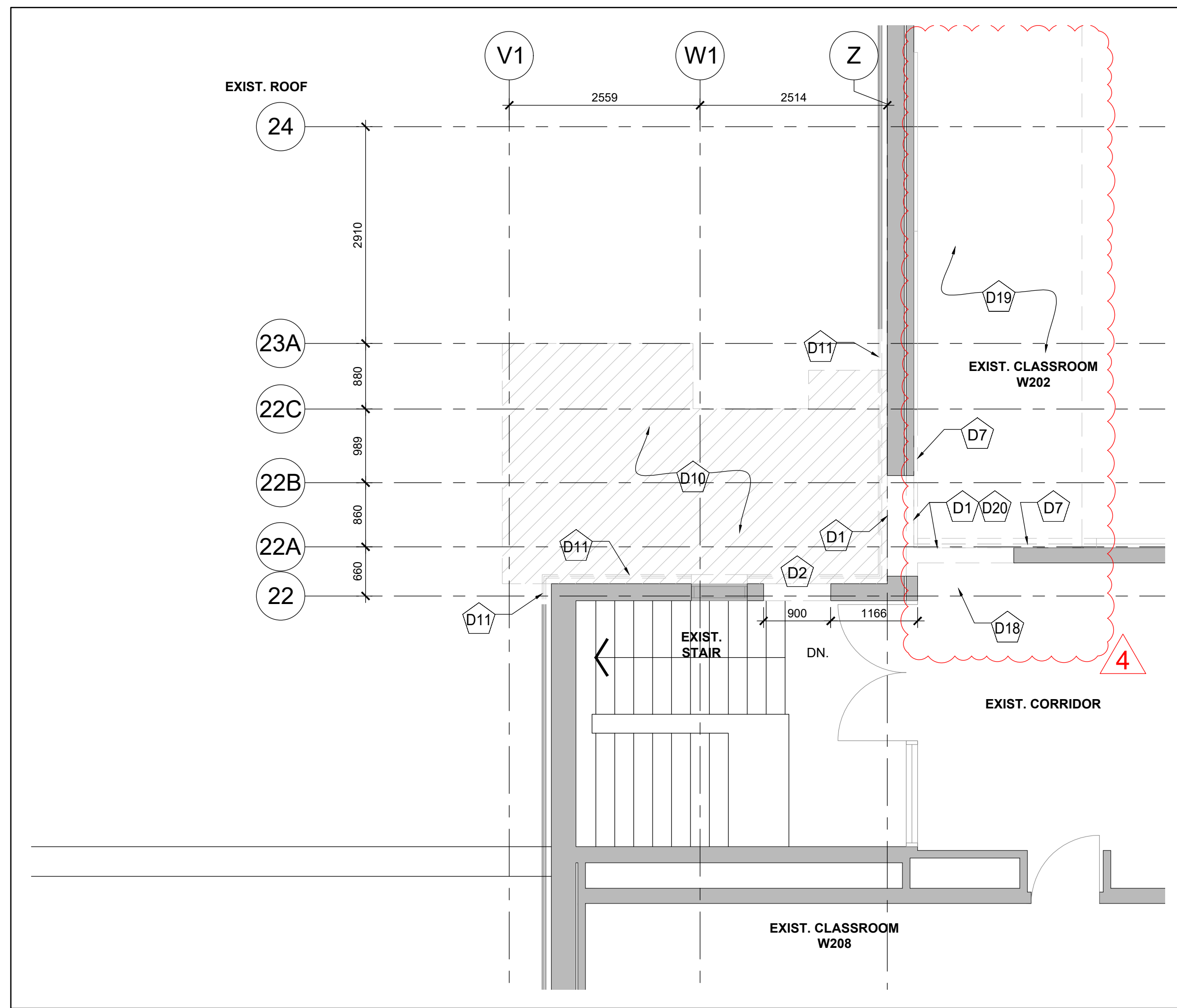
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A101-D 1:50



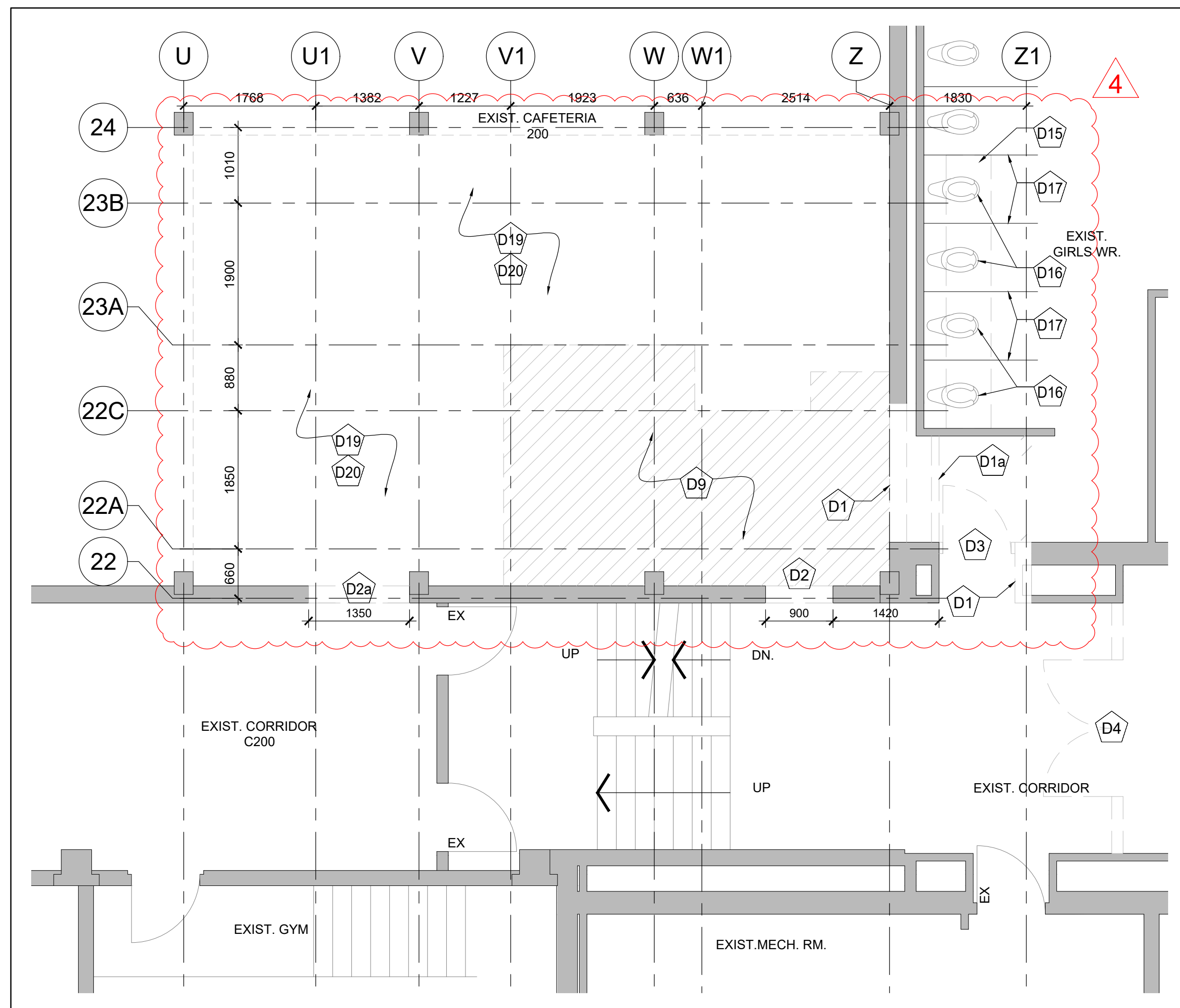
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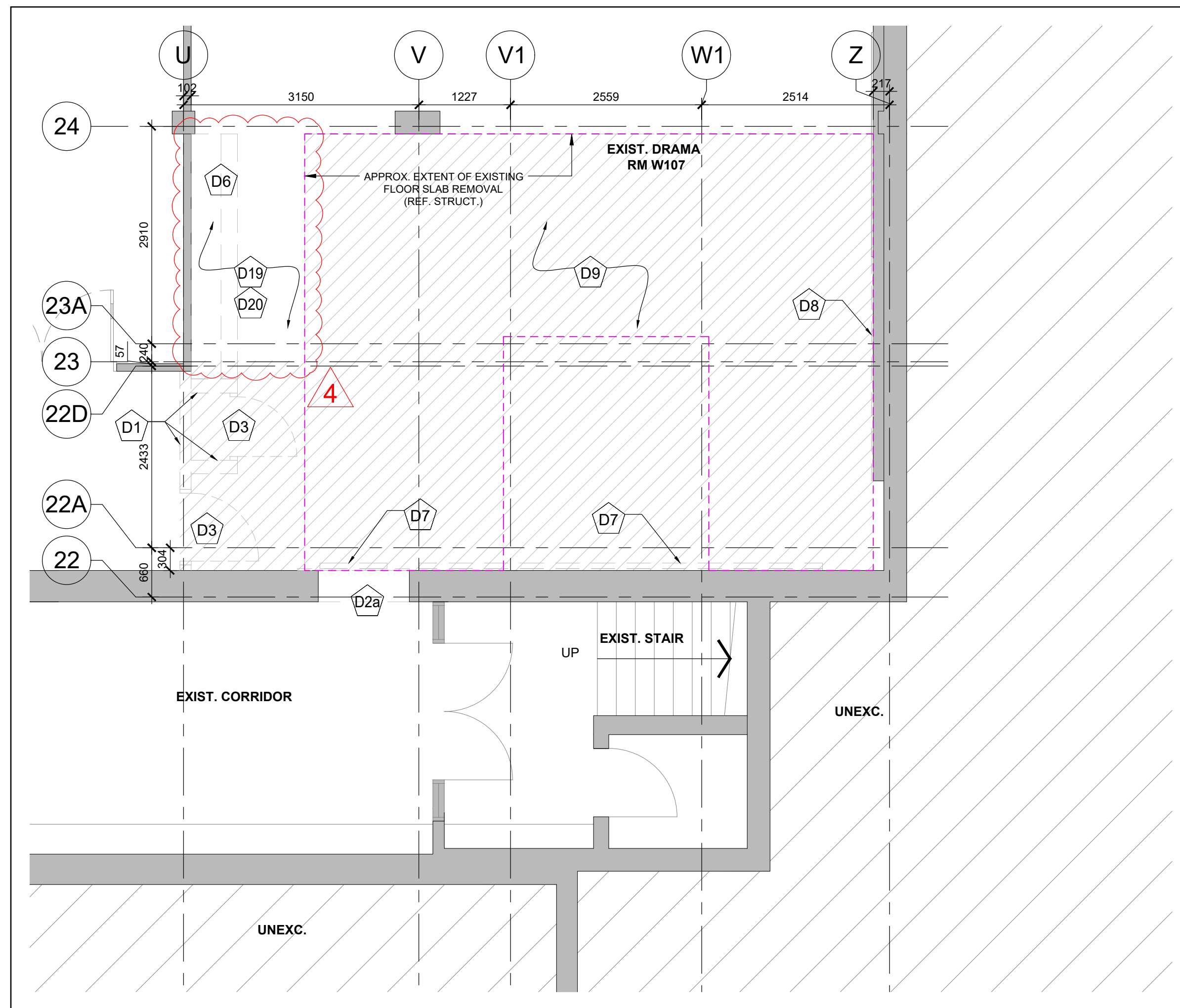
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A101-D 1:50



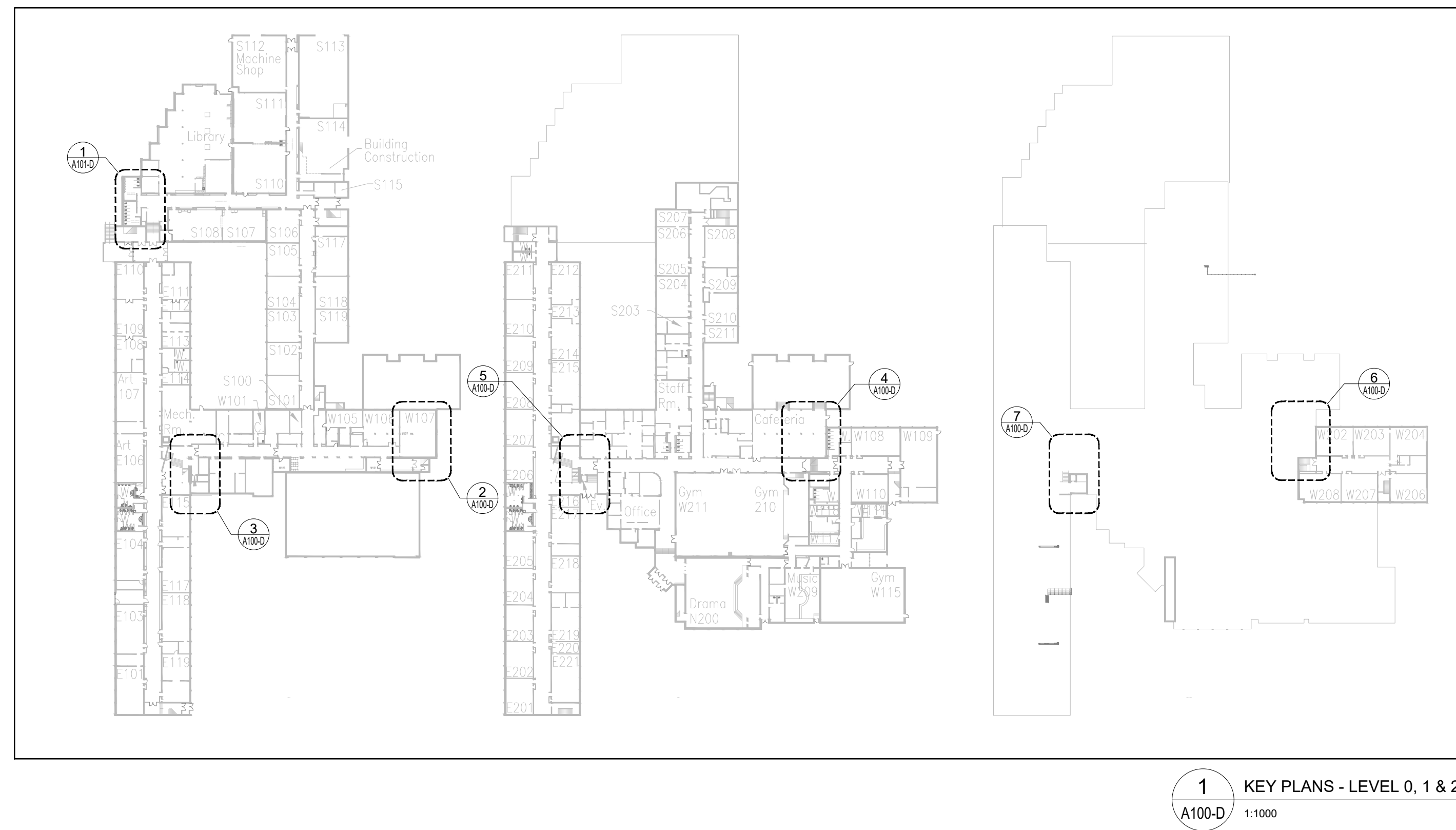
6 PARTIAL FLOOR PLAN - LEVEL 2 & ROOF  
A101-D 1:50



4 PARTIAL FLOOR PLAN - LEVEL 1 & 1A  
A101-D 1:50



2 PARTIAL FLOOR PLAN - LEVEL 0  
A101-D 1:50



1 KEY PLANS - LEVEL 0, 1 & 2  
A100-D 1:1000

#### ALTERATION TO EXISTING AREA LEGEND:

- EXISTING WALLS TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING SCREEN TO REMAIN
- EXISTING WALL, DOOR, OR OTHER COMPONENT (MILLWORK, PLUMBING FIXTURE, MECHANICAL & ELECTRICAL EQUIPMENT) TO BE REMOVED/DEMOLISHED
- APPROXIMATE EXTENT OF SLAB/ROOF REMOVAL - REFER TO NOTE #4, 'GENERAL DEMOLITION NOTES'
- APPROXIMATE EXTENT OF SLAB RESTORATION - REFER TO NOTE #4, 'GENERAL DEMOLITION NOTES'

#### GENERAL DEMOLITION NOTES:

- REFER TO SPECS & ABATEMENT REPORT REGARDING DESIGNATED SUBSTANCES REMOVAL.
- ALL DEMOLITION SCOPE SHOWN ON DESIGNATED SUBSTANCES ABATEMENT DOCUMENTS ARCH., STRUCTURAL, MECH. & ELECTRICAL DWGS IS BY SC01.
- SC01 TO PROVIDE DEMOLITION REQUIRED FOR NEW MASONRY OPENINGS OR MODIFICATIONS TO EXISTING MASONRY OPENINGS, IN LOCATIONS WHERE NEW DOORS ARE BEING PROVIDED.
- DEMOLITION SCOPE REGARDING SLAB REMOVAL AND ASSOCIATED RESTORATION: SC02 TO NEATLY SAW-CUT AND REMOVE/DISPOSE CONCRETE SLAB. SC01 TO REMOVE REQUIRED EXTENT OF FILL AND PROVIDE LEAN MIX CONCRETE WHERE REQ'D (SEE STRUCT. DWGS). SC01 TO PROVIDE COMPACTED BACKFILL, NEW CONCRETE SLAB (AS PER STRUCT. DWG S001) AND DISPOSE OF ANY REMAINING SPOILS.
- PROTECT AND PROPERLY STORE ANY DOORS REMOVED TEMPORARILY BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS COMPLETED.
- ARCHITECTURAL DEMOLITION DRAWINGS MUST BE READ IN CONJUNCTION WITH STRUCTURAL, MECH. AND ELEC DEMOLITION DRAWINGS. REFER TO STRUCTURAL, MECH. & ELEC DEMOLITION DRAWINGS FOR COORDINATION.
- CONTRACTOR TO PATCH, REPAIR, AND MAKE GOOD ALL HOLES OR DAMAGE DUE TO GENERAL DEMOLITION ON EXISTING MASONRY SURFACES TO REMAIN.
- CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS.
- CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO ITS EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURE LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.

#### DEMOLITION NOTES:

- D1 REMOVE AND DISPOSE EXISTING MASONRY WALL, PARTITION WALL AND/OR CHASE WALL (FULL HEIGHT) C/W ALL ASSOCIATED COMPONENTS. FILL IN CONCRETE BLOCK HOLES AND/OR MASONRY ROUGH SURFACES WITH CEMENTITIOUS MATERIAL TO MAKE SMOOTH FOR RECEIVING NEW FINISH MATERIAL. REFER TO STRUCT. FOR DEMOLITION COORDINATION.
- D1A REMOVE AND DISPOSE EXISTING MASONRY WALL, PARTITION WALL AND/OR CHASE WALL (FULL HEIGHT) C/W ALL ASSOCIATED COMPONENTS. CAP TERMINATED SERVICES, OR PREPARE FOR RELOCATION - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILS. REPAIR AND MAKE GOOD ALL SURFACES. MAKE READY TO RECEIVE PROPOSED WORK.
- D2 REMOVE AND DISPOSE EXISTING MASONRY WALL FOR NEW DOOR AND/OR SCREEN OPENING. REMOVE ASSOCIATED AND/OR ATTACHED COMPONENTS. CAP TERMINATED SERVICES, OR PREPARE FOR RELOCATION - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILS. MAKE GOOD ALL SURFACES & READY TO RECEIVE NEW WORK.
- D2A REMOVE AND DISPOSE EXISTING MASONRY WALL FOR NEW OPENING. FILL IN CONCRETE BLOCK HOLES AND/OR MASONRY ROUGH SURFACES WITH CEMENTITIOUS MATERIAL TO MAKE SMOOTH FOR RECEIVING NEW FINISH MATERIAL.
- D3 REMOVE AND DISPOSE EXISTING DOOR AND FRAME C/W ALL ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW FINISH MATERIAL.
- D4 REMOVE AND DISPOSE EXISTING SCREEN C/W ALL ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW FINISH MATERIAL.
- D5 REMOVE AND DISPOSE EXISTING WINDOW & FRAME C/W ALL ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES READY TO RECEIVE NEW WINDOW.
- D6 REMOVE AND DISPOSE EXISTING MILLWORK ASSEMBLY WITH SUPPORTING FRAMING, AND ALL ASSOCIATED COMPONENTS. MAKE GOOD AND PREPARE TO RECEIVE NEW FINISHES. ALLOW FOR INFILL AND REPAIR OF EXISTING, DAMAGED MASONRY WALL.
- D7 REMOVE EXISTING CHALKBOARD, MARKER BOARD, OR TACK BOARD INCLUDING ADHESIVE. MAKE GOOD (INCLUDE INFILLING OF DAMAGED BLOCK & PATCHING) & READY TO RECEIVE NEW WORK.
- D8 REMOVE EXISTING MIRROR WITH SUPPORTING BACKING, AND ALL ASSOCIATED COMPONENTS. MAKE GOOD AND PREPARE TO RECEIVE NEW PAINT. ALLOW FOR FILL IN OF DAMAGED MASONRY WALL.
- D9 CUT, REMOVE AND DISPOSE EXISTING FLOOR SLAB TO CREATE TRENCH OR NEW OPENING PER PROPOSED LAYOUT. REFER TO MECH., ELEC. & STRUC. DWGS. FOR ADDITIONAL REQUIREMENTS AND UNDERSLAB CONNECTIONS. MAKE GOOD (ALL TRADES) ALL AFFECTED SURFACES READY TO RECEIVE PROPOSED WORK/FINISH.
- D10A REMOVE AND DISPOSE EXISTING LIFT CONCRETE PAD FOOTING. REFER TO STRUC. FOR DEMOLITION COORDINATION.
- D10 REMOVE AND DISPOSE EXISTING ROOF ASSEMBLY C/W ASSOCIATED COMPONENTS, SUCH AS (BUT NOT LIMITED TO) METAL FLASHING, ROOF CARPENTRY, AND PARAPET ASSEMBLY (WHERE REQUIRED). REFER TO STRUC., MECH. & ELEC. DWGS. FOR DEMOLITION COORDINATION.
- D11 REMOVE AND DISPOSE EXISTING EXTERIOR METAL WALL PANEL C/W ASSOCIATED COMPONENTS.
- D12 CUT, REMOVE AND DISPOSE EXISTING STAIR C/W ASSOCIATED COMPONENTS, SUCH AS (BUT NOT LIMITED TO) HANDRAIL. REFER TO STRUC. FOR DEMOLITION COORDINATION.
- D13 SC08 ELEVATORS - TO REMOVE AND DISPOSE EXISTING LIFT C/W ASSOCIATED COMPONENTS AND SC01 GENERAL TO REMOVE AND DISPOSE EXISTING LIFT MASONRY SHAFT AND ACCESS DOORS C/W ASSOCIATED COMPONENTS. REFER TO STRUC., MECH. & ELEC. FOR DEMOLITION COORDINATION.
- D14 REMOVE AND SALVAGE EXISTING PATIO STONES AND METAL ROOF LADDER C/W ASSOCIATED COMPONENTS. TO BE RELOCATED AT PROPOSED NEW LOCATION. FILL IN ANY HOLES IN EXISTING EXTERIOR WALLS OR ROOF FROM REMOVAL OF LADDER.
- D15 CUT AND REMOVE EXISTING TERRAZZO FLOORING AND SLAB WITH ITS SUB-BASE FOR THE PURPOSE OF REMOVING EXISTING OR PLACING NEW SERVICES. REFER TO MECH. DWGS. FOR MORE INFO. NOTE THAT THE AREA SHOWN IS APPROXIMATE AND GENERAL. CONTRACTOR IS TO REMOVE ALL AREAS REQUIRED TO COMPLETE THE NEW WORK.
- D16 SC02 MECHANICAL - TO CAREFULLY REMOVE & STORE EXISTING TOILET FIXTURES AS REQUIRED FOR PURPOSE OF PLACING NEW SERVICES AND REINSTATE FIXTURES ONCE ALL NEW WORK IS COMPLETED.
- D17 SC05 TOILET PARTITIONS - TO CAREFULLY REMOVE EXISTING TOILET PARTITIONS AND COORDINATE WITH SC01 GENERAL TO STORE AT A SAFE PLACE. REINSTATE PARTITIONS ONCE ALL WORK IN THE AREA IS COMPLETED.
- D18 REMOVE EXISTING LOCKERS WITH ALL COMPONENTS INCLUDING EXIST. CONC. BASE PLATFORM. MAKE GOOD ALL AFFECTED SURFACES AND PREPARE TO RECEIVE NEW FINISHES.
- D19 SC01 GENERAL TO REMOVE AND DISPOSE EXISTING VCT FLOORING AND MECHANICALLY REMOVE ADHESIVES TO HAVE A SMOOTH SURFACE READY TO RECEIVE SKIM COAT. SC04 FLOORING TO SUBSEQUENTLY PREPARE SURFACE TO RECEIVE SPECIFIED NEW FLOOR FINISH.
- D20 REMOVE AND DISPOSE EXISTING WALL BASE. MAKE GOOD AFFECTED SURFACES FOR NEW WALL BASE INSTALLATION.

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Halton District School Board  
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Project North True North

No. Revisions Date

4 ISSUED FOR ADDENDUM 01 2025 04 24

3 ISSUED FOR TENDER 2025 04 17

2 ISSUED FOR PERMIT 2025 04 08

1 ISSUED FOR REVIEW 2025 02 12

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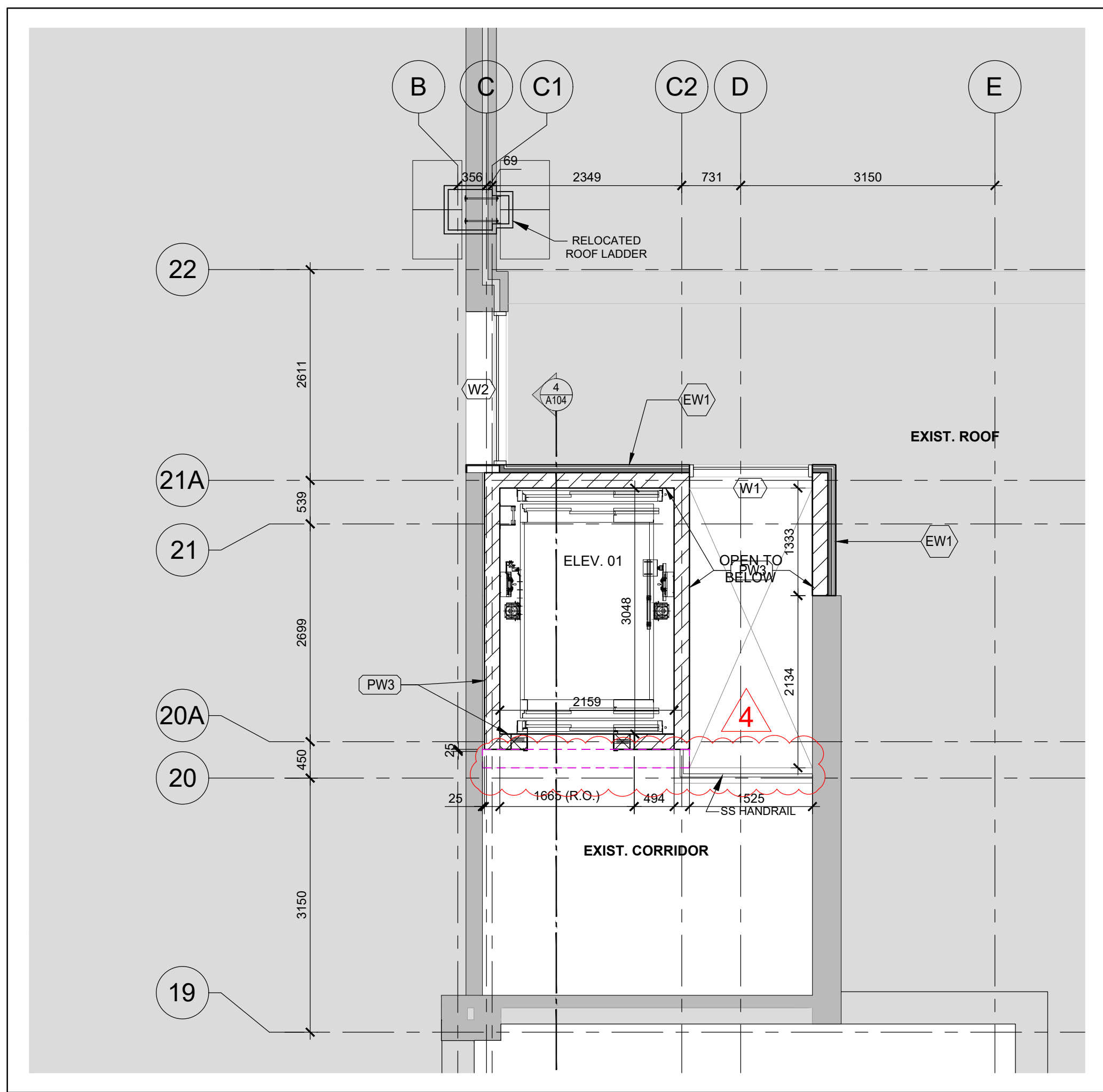
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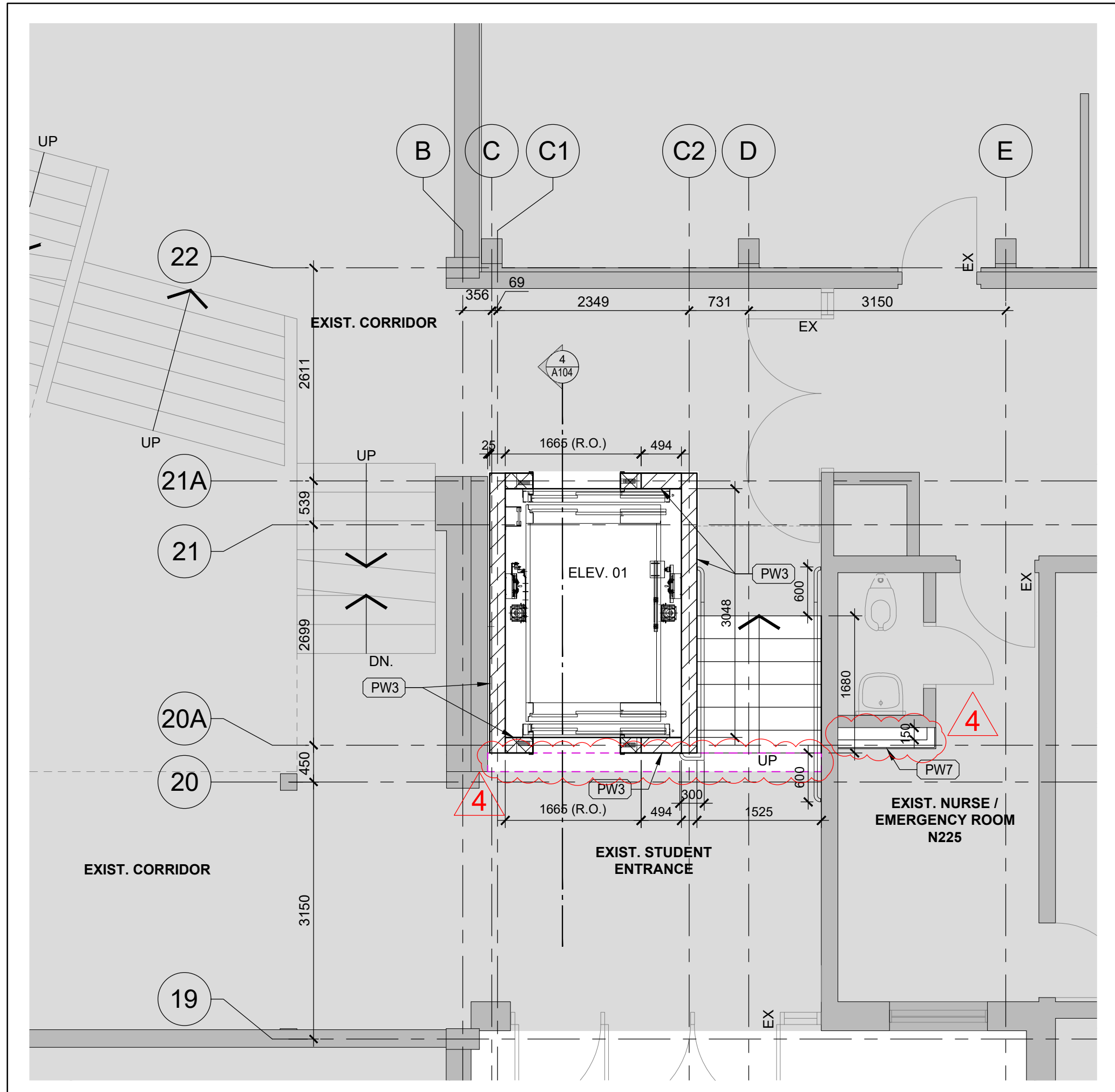
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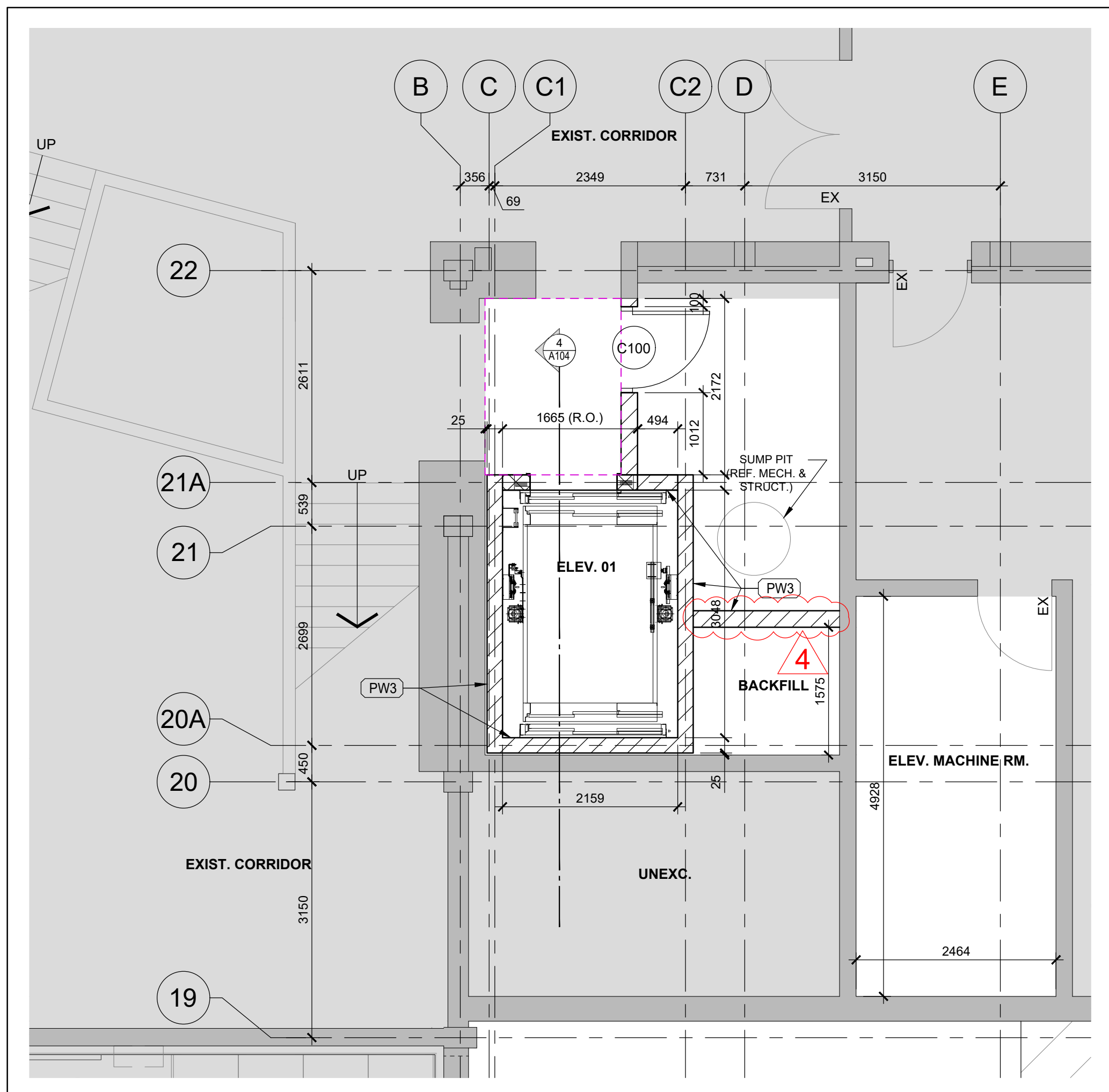




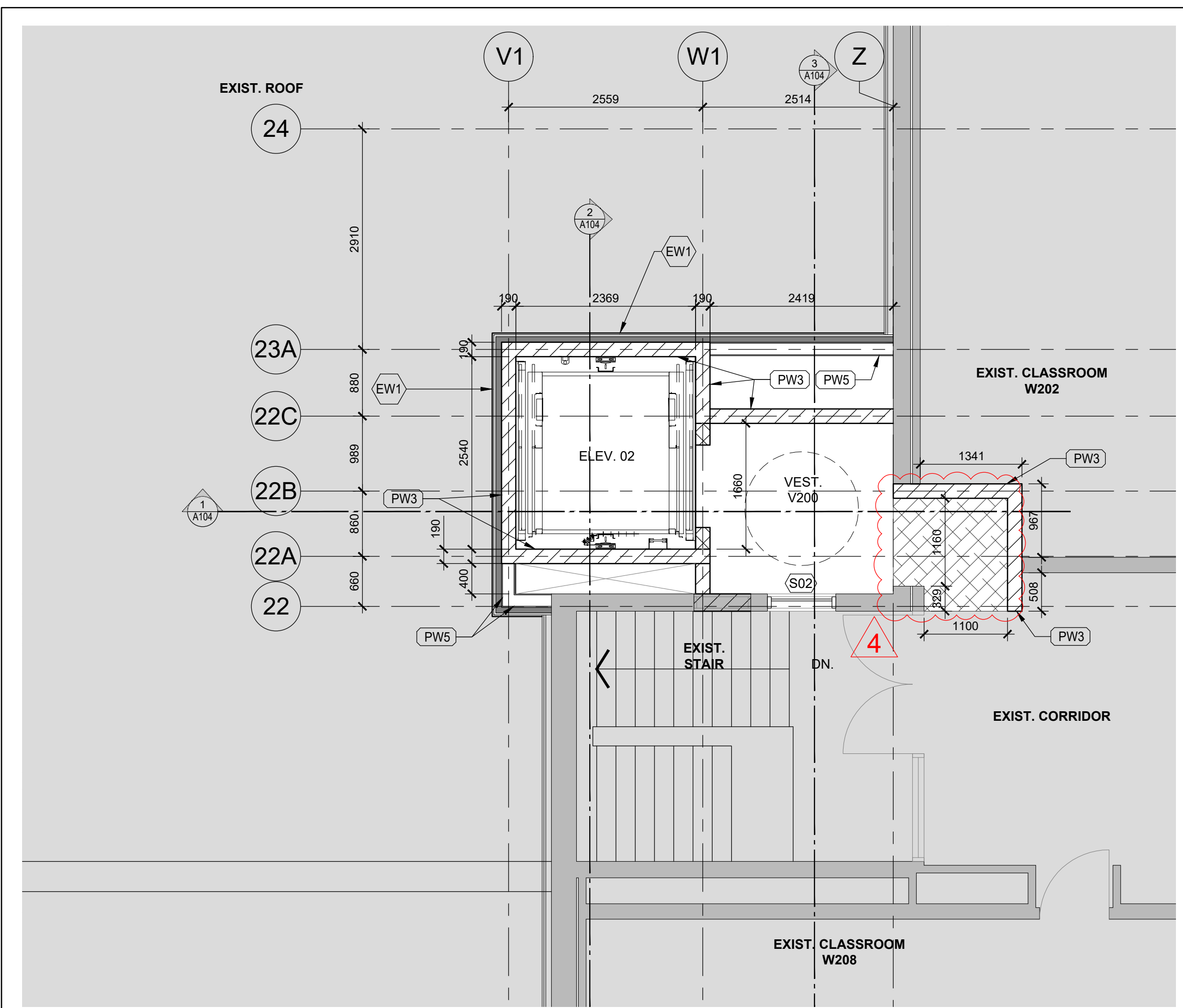
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A100 1:50



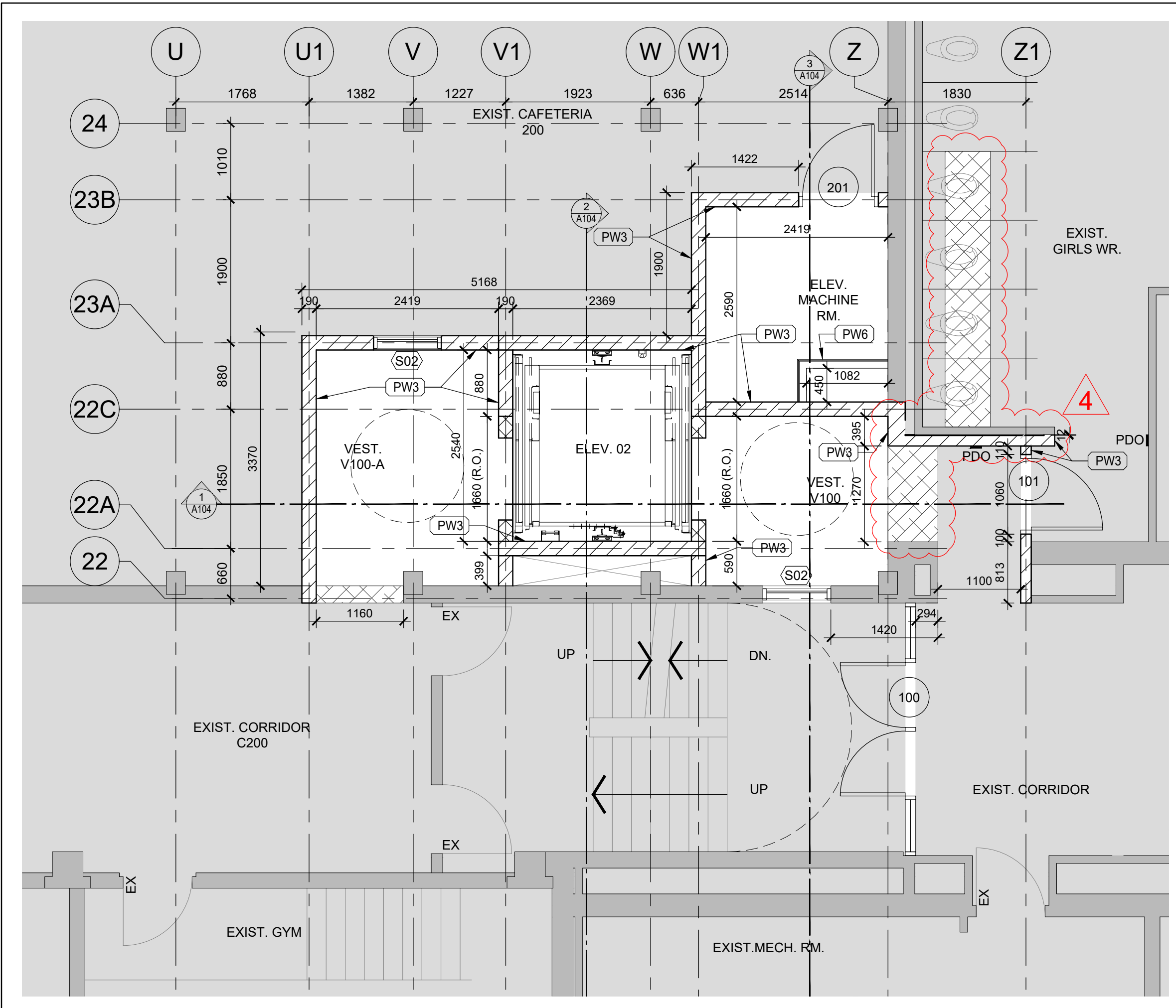
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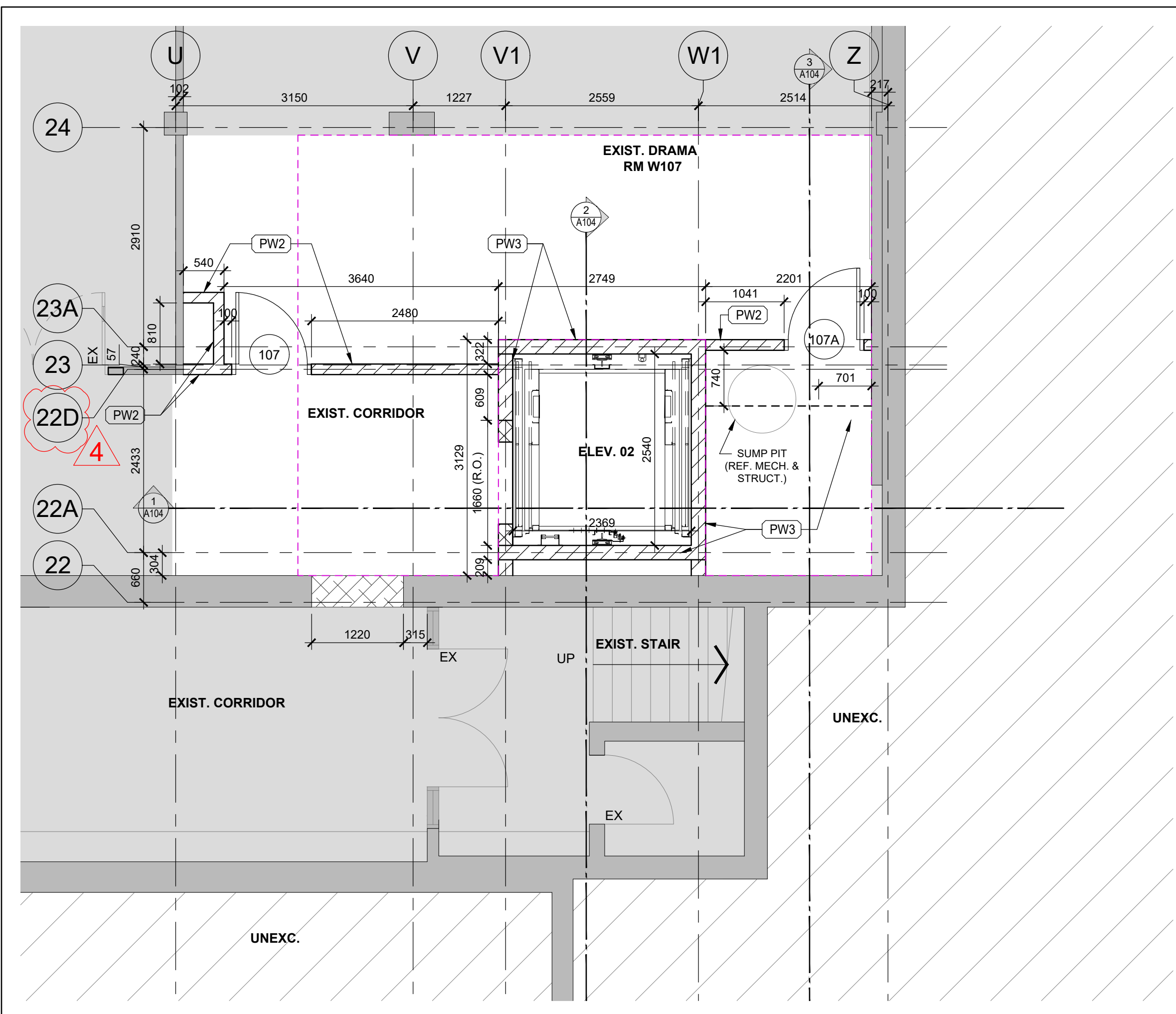
3 PARTIAL FLOOR PLAN - LEVEL 0  
A100 1:50



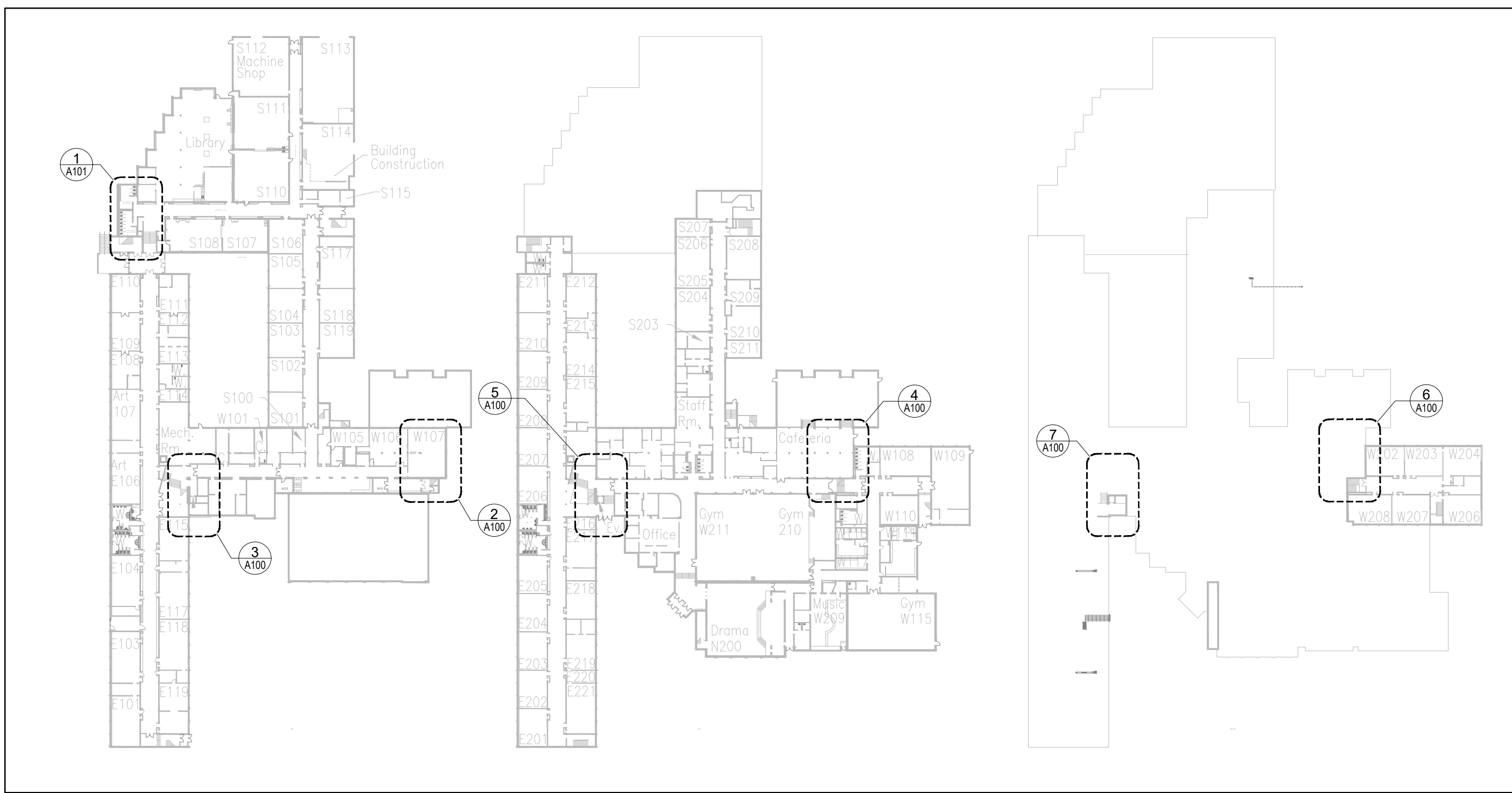
6 PARTIAL FLOOR PLAN - LEVEL 2 & ROOF  
A100 1:50



4 PARTIAL FLOOR PLAN - LEVEL 1 & 1A  
A100 1:50



2 PARTIAL FLOOR PLAN - LEVEL 0  
A100 1:50



1 KEY PLANS - LEVEL 0, 1 & 2  
A100 1:1000

**LEGEND**

- EXISTING WALLS TO REMAIN
- NEW MASONRY WALL
- NEW STUD PARTITION
- EXISTING AREA NOT INCLUDED IN THE SCOPE OF RENOVATION WORK
- EXISTING DOOR TO REMAIN
- NEW DOOR AND FRAME - REFER TO DOOR SCHEDULE
- APPROXIMATE EXTENT OF SLAB RESTORATION / NEW SLAB. COORDINATE W/ STRUCTURAL DWGS.
- AREA OF FLOOR INFILL & REPAIR. REFER TO DWG. A103.

**NEW WALL TYPES:**

- (EW1) METAL WALL PANEL (MWP) on 25mm Z-GIRL on 75mm THERMAL SPACERS W/ 75mm SPRAY FOAM INSUL. (INS-FIP-1)
- (PW1) 90mm CONCRETE MASONRY UNIT WALL
- (PW2) 140mm CONCRETE MASONRY UNIT WALL
- (PW3) 190mm CONCRETE MASONRY UNIT WALL
- (PW4) 290mm CONCRETE MASONRY UNIT WALL
- (PW5) 13mm GSB (EXTERIOR SIDE) 152mm METAL STUDS @400mm O.C. W/ 100mm INS-BB-1 13mm GB-LWT-1
- (PW6) 2 LAYERS OF 16mm TYPE 'X' GB (GB-AR) 92mm METAL STUDS @400mm O.C. W/ 58mm INS-BB-1
- (PW7) 16mm GB (ABUSE AND WATER RESISTANT) 92mm METAL STUDS @400mm O.C. W/ 58mm INS-BB-1

**ABBREVIATIONS:**

- ACT - ACOUSTIC CEILING TILE
- AFF - ABOVE FINISH FLOOR
- CAF. - CAFETERIA
- CET - CERAMIC TILE
- CMU - CONCRETE MASONRY UNIT
- CONT. - CONTINUOUS
- CORR. - CORRIDOR
- C/S - SEALED CONCRETE
- C/W - COMPLETE WITH
- E.I. - EXPANSION JOINT
- ELEV. - ELEVATOR
- EX/EXST. - EXISTING / EXPOSED
- EXP. - EXPOSED
- EXT. - EXTERIOR
- FD - FLOOR DRAIN. SEE MECH. DWGS
- FRR - FIRE RESISTANT RATING
- GB - GYPSUM BOARD
- GB-AR - ABUSE RESISTANT GYPSUM BOARD
- GB-FR - FIRE RATED GYPSUM BOARD
- HM - HOLLOW METAL
- PFT - PORCELAIN FLOOR TILE
- PDO - POWER DOOR OPERATOR
- RD - ROOF DRAIN
- R.O. - ROUGH OPENING
- SH - SIMILAR
- T/O - TOP OF
- UNO - UNLESS NOTED OTHERWISE
- UNEXC. - UNEXCAVATED
- US - UNDERSIDE
- VEST. - VESTIBULE
- W - WITH

**ROOF TYPES & LEGEND:**

- (R1) BUILT-UP BITUMINOUS ROOFING (SECTION 07 51 00) GRAVEL SURFACE FINISH (HOT APPLIED FLOOD COAT) 4-PLY TYPE IV FELT WITH 1-PLY COMPOSITE FELT WITH HOT APPLIED INTERPLY ADHESIVE 13mm COVER BOARD TAPERED INSULATION (INS-RB-3) WHERE REQUIRED 100mm / 2 LAYERS (MIN.) ROOF INSULATION (INS-RB-3) VAPOUR RETARDER 13mm UNDERLAY BOARD METAL DECK STEEL ROOF STRUCTURE - SLOPE ACCORDING TO ROOF PLAN

**NEW FLOOR TYPES:**

- (F1) FLOOR TYPE 1 FLOOR FINISH AS PER ROOM FINISH SCHEDULE CONCRETE SLAB - THICKNESS AS PER STRUCTURAL BELOW-SLAB VAPOUR RETARDER AGGREGATE BASE COURSE
- (F2) FLOOR TYPE 2 (1 HR FIRE RATED) FLOOR FINISH AS PER ROOM FINISH SCHEDULE CONCRETE ON STEEL DECK ON STEEL FRAME

FIRE PROTECTION SCHEDULE		
CONDITION	FRR REQ'D	FIRE PROTECTION
BEAM / LINTEL	1 HR	CMU (TYP.) OBC SB-2.1.1; or SPRAY FIREPROOFING; ULC #F906
	1 HR	or PROVIDE INTUMESCENT COATING* ULC #D063
	1 HR	or GYPSUM BOARD ASSEMBLY ULC #W407
IN 1 HR FIRE SEPARATION	1 HR	
SUPPORTING FLOOR	1 HR	
FLOOR	1 HR	POUR IN PLACE CONCRETE: OBC SB-2.1.1 FLOOR TYPE F2 - COMPOSITE FLOOR; ULC #F906
WALL	1 HR	CMU (TYP.) OBC SB-2.1.1; or GYPSUM WALL ASSEMBLY ULC #W407

**FIRE PROOFING NOTES:**

- PROVIDE FIRESTOP & SEAL AT ALL SLAB EDGES.
- PROVIDE FIRESTOP & SEAL AT ALL STRUCTURAL MEMBER THAT PENETRATE FIRE SEPARATIONS.
- PROVIDE FIRESTOP & SEAL AT ALL FIRE SEPARATIONS THAT TERMINATES @ EXTERIOR WALLS.
- ENSURE REQUIRED RATING WITH CMU; GROUT SOLID WHERE NECESSARY.
- SEAL TOP OF FIRE SEPARATION WITH FIRE STOPPING.
- PRIME ROOF BEAMS, ALL LINTELS & EXPOSED BEAMS.
- CONTRACTOR TO PROVIDE APPROPRIATE CMU TYPE TO ACHIEVE REQUIRED FIRE RATING AT SPECIFIED THICKNESS.

\* INTUMESCENT COATING SYSTEM TO YIELD FRR AS NOTED IN SCHEDULE ABOVE. REFER TO SPEC SECTION 09 86 46 FOR DETAILS.

**FIRE RATING LEGEND**

REFER TO A101 FOR INDICATION OF FIRE SEPARATIONS ON FLOOR PLANS

**FIRE PROOFING NOTES:**

- FIRE STOP AT ALL CORRIDOR PENETRATIONS NEW AND EXISTING. MAINTAIN EXISTING FIRE SEPARATIONS. ASSUME EXISTING CORRIDORS ARE 1 HOUR RATED. PROVIDE FLANGES ON DUCT PENETRATIONS AND FIRE DAMPERS AT CORRIDOR WALL FOR NEW DUCTS.
- PROVIDE FIRESTOP & SEAL AT ALL FIRE SEPARATIONS THAT TERMINATE AT EXTERIOR WALLS.
- ENSURE REQUIRED RATING WITH CMU; GROUT SOLID WHERE NECESSARY.
- SEAL TOP OF FIRE SEPARATION WITH FIRE STOPPING, OR ULC RATED ASSEMBLY OF SAME RATING AS THE FIRE SEPARATION.
- SPRAY ALL NEW BEAMS, COLUMNS SUPPORTING FLOOR ASSEMBLY W/ 1 HOUR FRR SPRAY FIREPROOFING EXCEPT WHERE INTUMESCENT PAINT IS SPECIFIED (ALL EXPOSED STRUCTURAL STEEL ELEMENTS).
- PRIME ALL LINTELS - REFER TO STRUCT. DWGS AND SPECS.
- PROVIDE FIRE PROOFING PRODUCTS AS LISTED IN THE ULC/ GUL NOTED, OR APPROVED EQUIVALENT.

**GENERAL FLOOR FINISH NOTES:**

- TRANSITION STRIP IN EVERY CHANGE OF MATERIAL.
- ALL TRANSITIONS BETWEEN DIFFERING MATERIALS TO BE FLUSH.
- ALL FLOOR FINISH TRANSITIONS TO MEET UNDER DOOR (WHERE DOOR OCCURS).
- CONTROL JOINT IN TILING SYSTEM EVERY 10 METERS.
- ALL EXISTING BASE TO BE REMOVED PRIOR TO NEW BASE INSTALLATION.

**GENERAL CONSTRUCTION NOTES:**

- IN AREAS WITH EXPOSED STRUCTURE, DUCTS / PIPES AND CONDUITS SHALL BE MOUNTED TIGHT TO US OF SLAB OR DECK, ROUTED PARALLEL AND PERPENDICULAR TO WALLS.
- PAINT ALL NEW EXPOSED STRUCTURE, DUCTS, PIPES, CONDUITS.
- PAINT ALL NEW GYPSUM BOARD, AND ALL NEW CONCRETE BLOCK SURFACES TO MATCH ADJACENT EXISTING WALLS.
- AT LOCATIONS OF ANY ARCHITECTURAL, MECHANICAL & ELECTRICAL EQUIPMENT REMOVAL, INSTALLATION, OR RELOCATION, INFILL WALL, OR CEILING OPENINGS WITH MASONRY & MORTAR (OR GYPSUM ASSEMBLY), FINISH TO MATCH EXISTING ADJACENT.
- PROVIDE LINTELS AT OPENINGS FOR NEW DUCTS IN EXIST. AND NEW MASONRY WALLS, WHERE REQUIRED. REFER TO MECH. AND STRUCT. DWGS.
- ALL INTERIOR PARTITION WALLS TO BE EXTENDED UP TO UNDERSIDE OF ROOF DECK ABOVE UNLESS NOTED OTHERWISE. NON LOAD BEARING WALLS TO STOP 25mm BELOW THE UNDERSIDE OF UNDERSIDE OF ROOF DECK. PROVIDE CONTINUOUS SOUND SEALS AT TOP. (U/LC) LISTED FIRE STOP & SMOKE SEAL @ US OF ROOF DECK AND PENETRATIONS PERIMETER REQUIRED AT ALL RATED WALLS.
- PROVIDE BULLNOSE CMU WHERE OUTSIDE CORNERS ARE EXPOSED - TYPICAL. FIRST COURSE ABOVE FINISHED FLOOR NOT TO HAVE BULLNOSE. TO ALLOW CLEAN INSTALLATION OF BASE MATERIAL. CMU COURSE AT CEILINGS NOT TO HAVE BULLNOSE EDGE. THIS IS TO PROVIDE CLEAN CONNECTION WITH CEILING MATERIALS.
- ALL DIMENSIONS ON FLOOR PLANS ARE SHOWN AS MASONRY OPENINGS. (ROUGH OPENINGS)
- ALL STEEL LINTELS / BEAMS IN EXTERIOR WALLS TO BE GALVANIZED - SEE SPECIFICATIONS.
- WALLS ABOVE OPENINGS TO BE MASONRY U.N.O. (LINTELS REFER TO STRUCTURAL DRAWINGS)
- CONTRACTOR TO VERIFY EXISTING BUILDING DIMENSIONS AND MODIFY NEW CONSTRUCTION TO SUIT.
- GRIND DOWN OR RAISE EXISTING FLOOR SUBSTRATE TO PROVIDE POSITIVE DRAINAGE TO NEW OR EXISTING FLOOR DRAIN.
- USE SELF LEVELING COMPOUND IF REQUIRED UPON REMOVAL OF EXISTING FLOORING TO SUITE NEW FLOOR INSTALLATION.
- ALL CONCRETE COURSES AT CONNECTION OF BRACKETS/STEEL ANGLES MUST BE 1:100 SOLID (TYPICAL).

**GENERAL NOTES:**

- CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDLED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO ITS EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
- TO PERFORM DEMOLITION OF EXISTING BUILDING ELEMENTS CO-ORDINATE WITH STRUCTURAL AND MECHANICAL & ELECTRICAL DRAWINGS.
- CONTRACTOR IS RESPONSIBLE TO CUT EXISTING SLAB ON GRADE AS INDICATED FOR NEW SANITARY & PIPELINES. REFER TO MECH. DWGS. FOR EXACT LOCATIONS. INFILL FLOOR SLAB TO MATCH EXISTING AND MAKE GOOD ALL AFFECTED SURFACES.
- SOIL BEARING PRESSURE SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE AND REPORT SHALL BE PROVIDED TO BUILDING INSPECTOR.
- CONTRACTOR IS RESPONSIBLE TO CAREFULLY REMOVE EXISTING CEILING TILE TO ACCOMMODATE ALL NEW MECH. & ELEC. CONNECTIONS. REINSTATE TILE AFTER WORK IS COMPLETE. REFER TO MECH. DWGS. FOR EXACT LOCATIONS.
- FOR EXACT QUANTITIES AND LOCATIONS OF MECHANICAL & ELECTRICAL ITEMS, PLEASE REFER MECHANICAL & ELECTRICAL DWGS.

Client  
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Burlington, Ontario

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Project North		True North	
No.	Revisions	Date	
4	ISSUED FOR ADDENDUM 01	2025 04 24	
3	ISSUED FOR TENDER	2025 04 17	
2	ISSUED FOR PERMIT	2025 04 08	
1	ISSUED FOR REVIEW	2025 02 12	
No.	Issue	Date	

Approved: Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawing. Drawings shall not be used for construction purposes until issued by the Architect for construction.



Drawing Title:  
**KEY PLAN FLOOR PLANS ELEVATORS - NEW**

Scale: AS NOTED Date: 2025 02 06  
Drawn by: Checked by:  
Job No. Drawing No.  
**2215-C A100**



7 PARTIAL FLOOR FINISH PLAN - LEVEL 2 & ROOF  
A103 1:50

5 PARTIAL FLOOR FINISH PLAN - LEVEL 1 & 1A  
A103 1:50

3 PARTIAL FLOOR FINISH PLAN - LEVEL 0  
A103 1:50

6 PARTIAL FLOOR FINISH PLAN - LEVEL 2 & ROOF  
A103 1:50

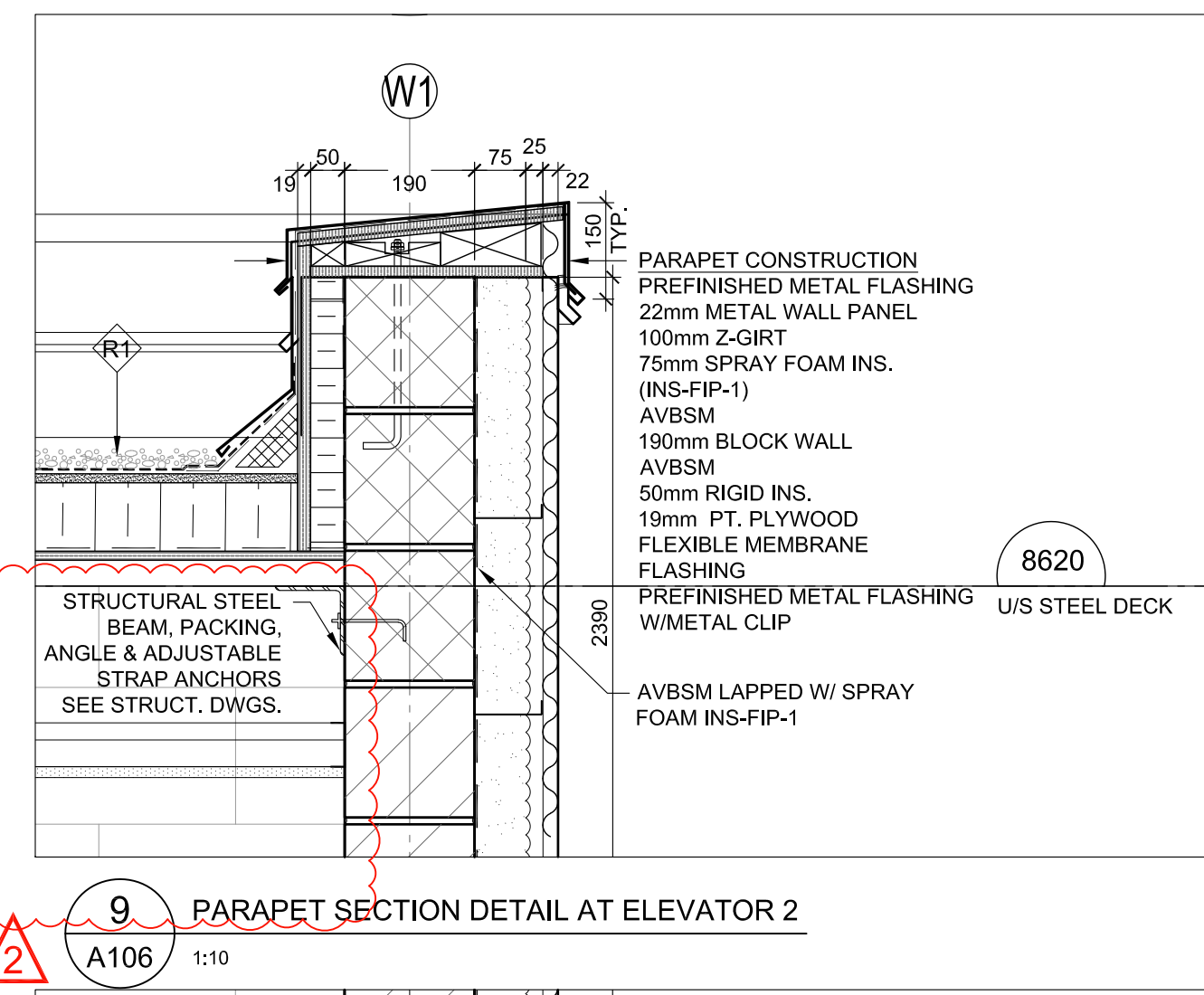
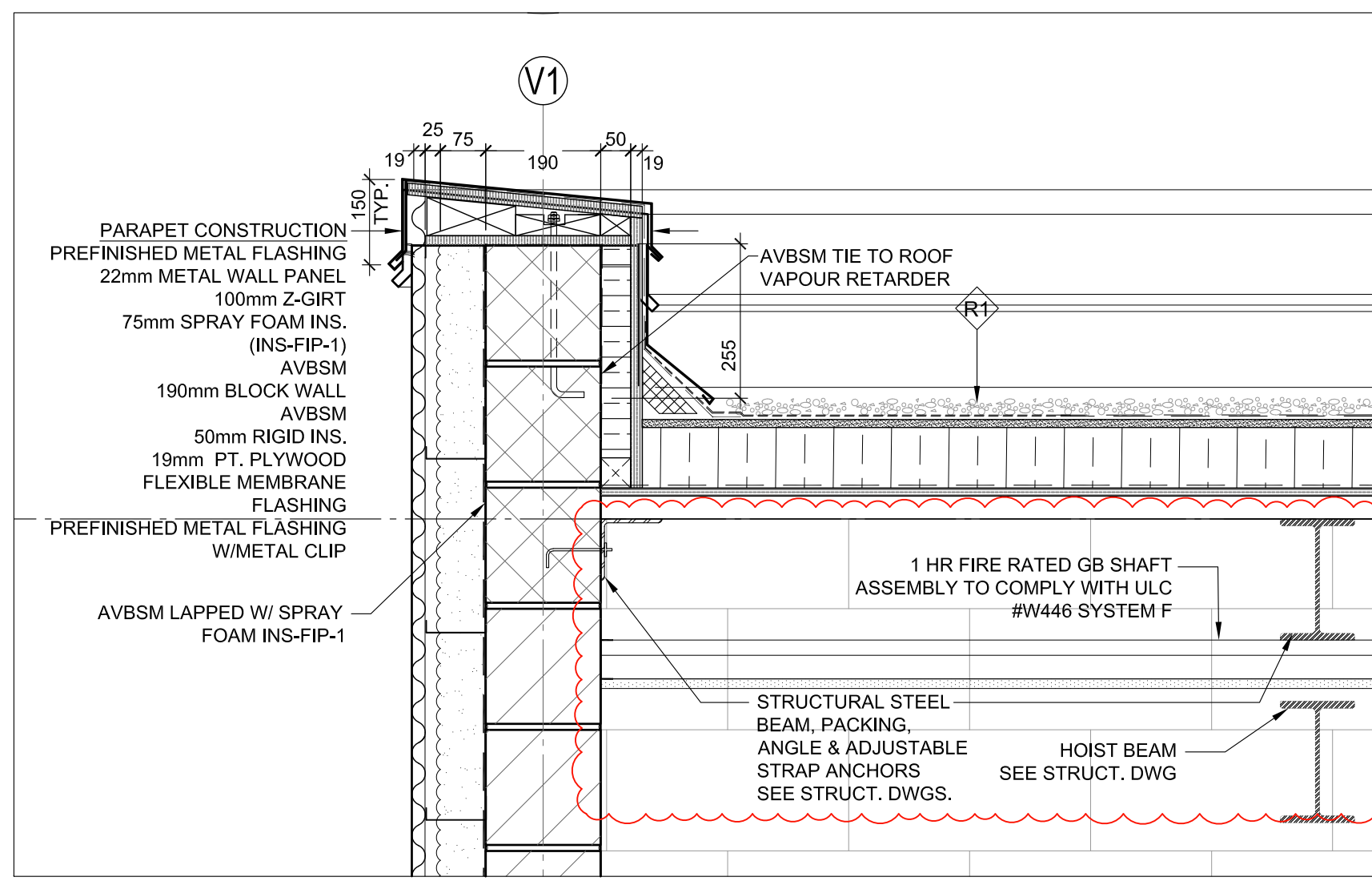
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A103 1:50

2 PARTIAL FLOOR FINISH PLAN - LEVEL 0

1 KEY PLANS - LEVEL 0, 1 & 2  
A103 1:1000

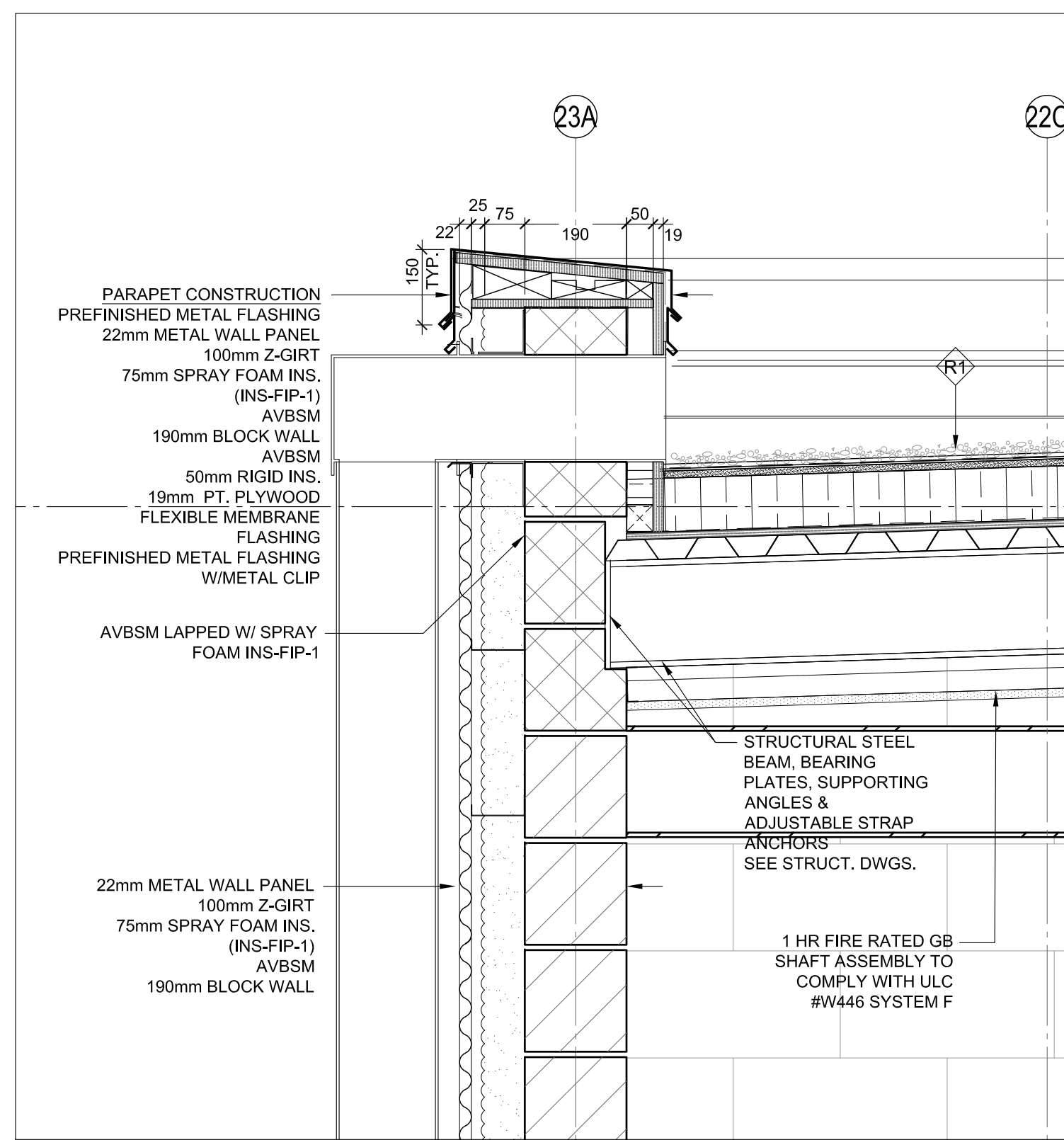
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| 2215-0 | A103 |
|--------|------|



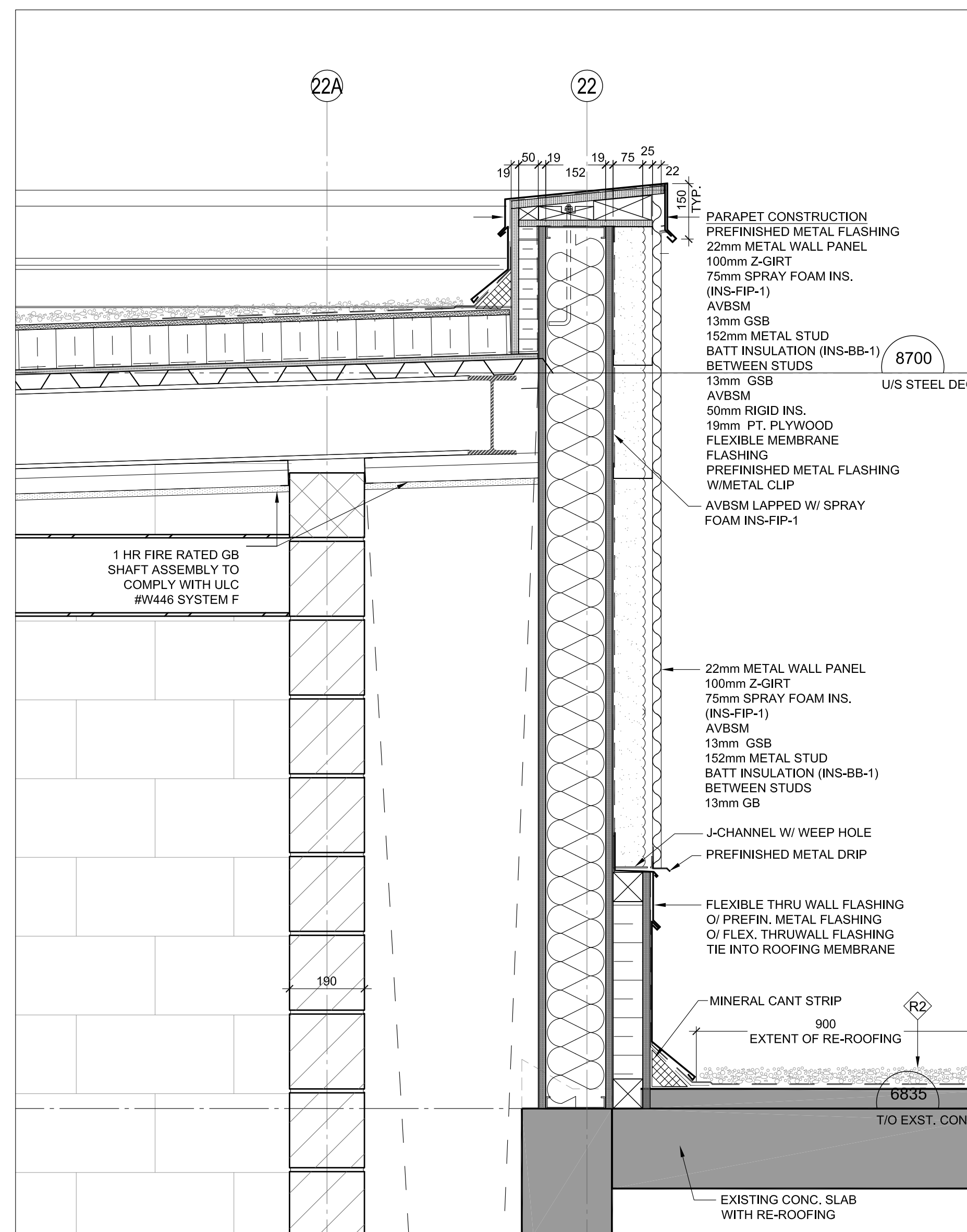


13 PARAPET SECTION DETAIL AT ELEVATOR 2  
A106 1:10

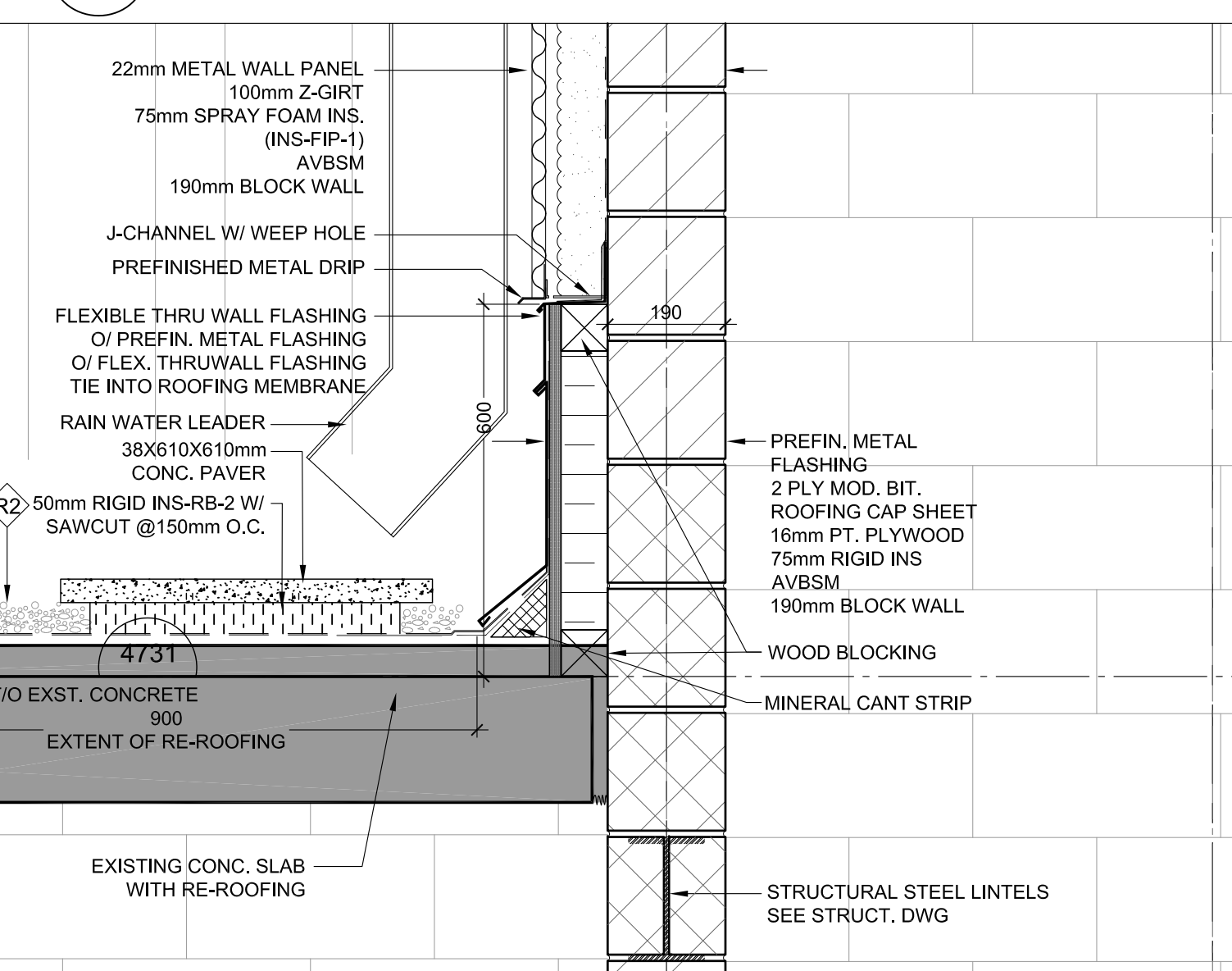
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A106 1:10



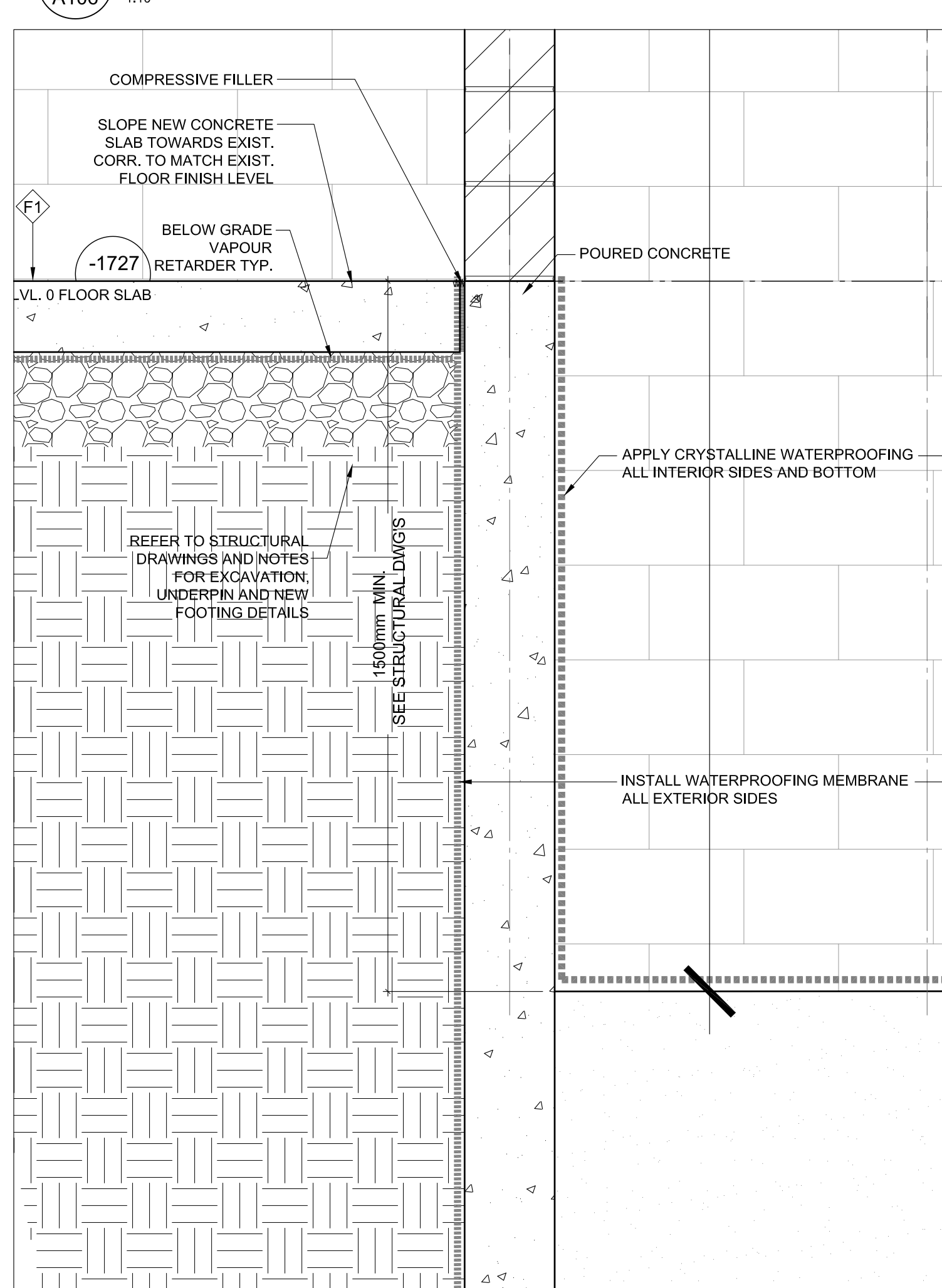
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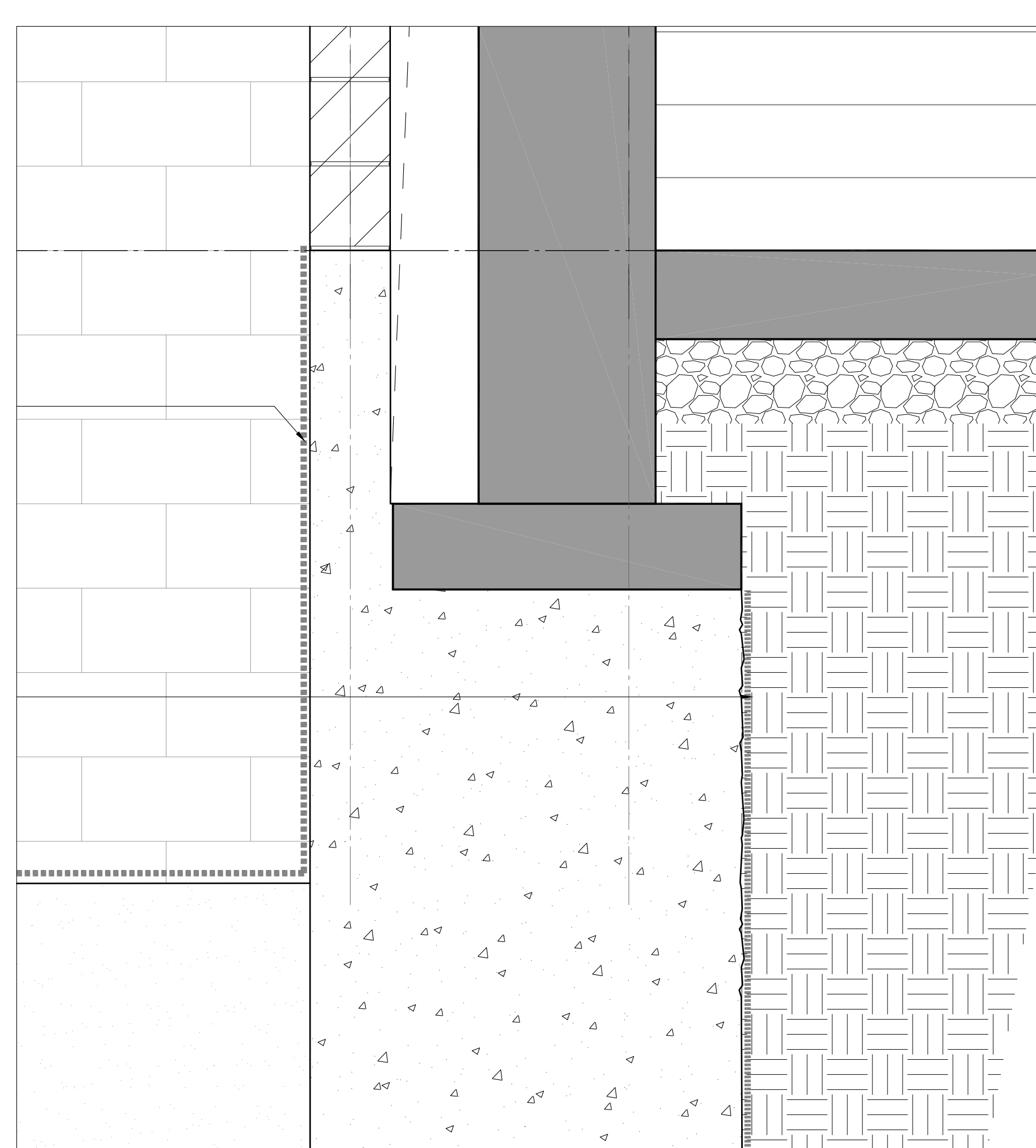
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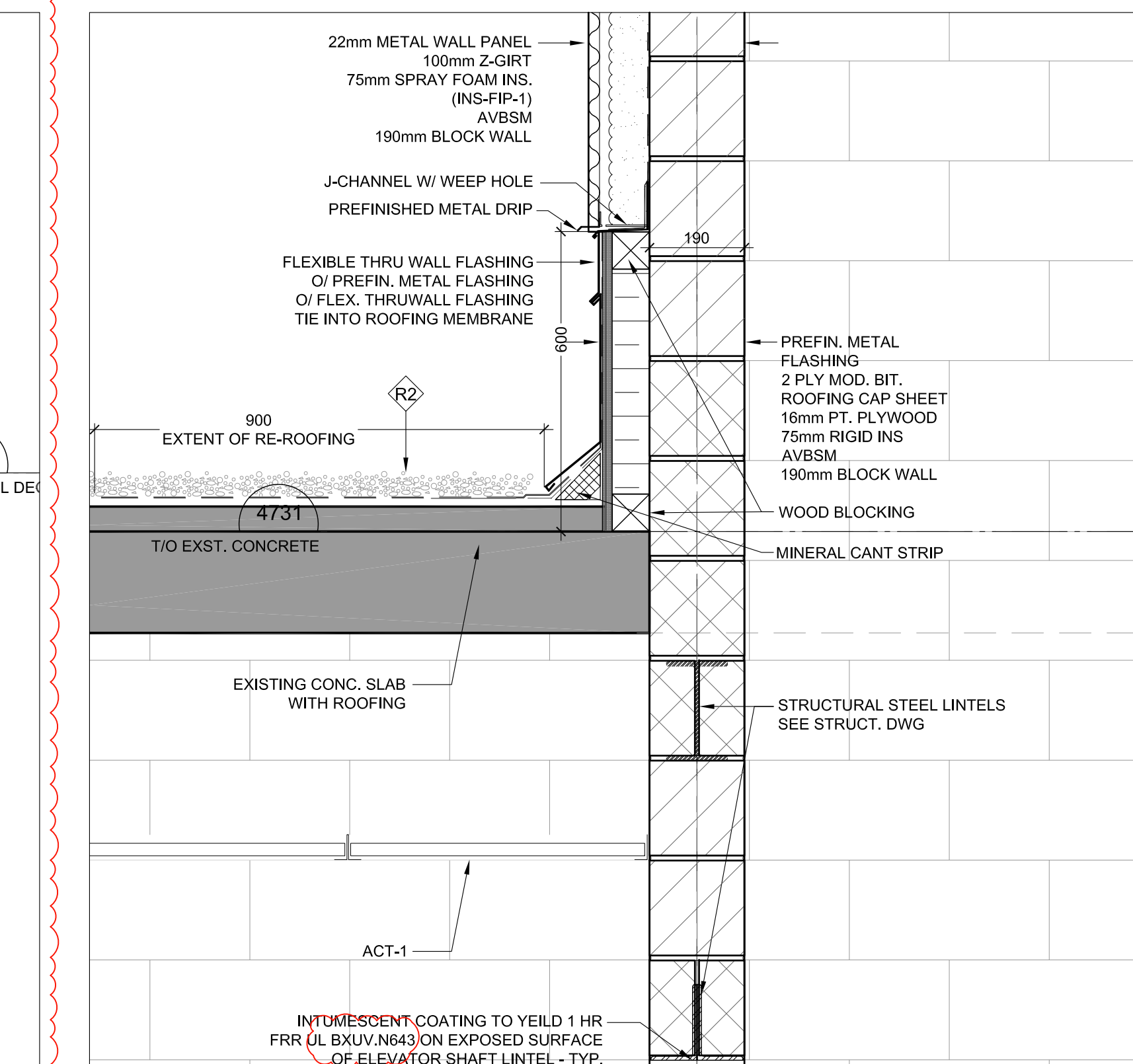
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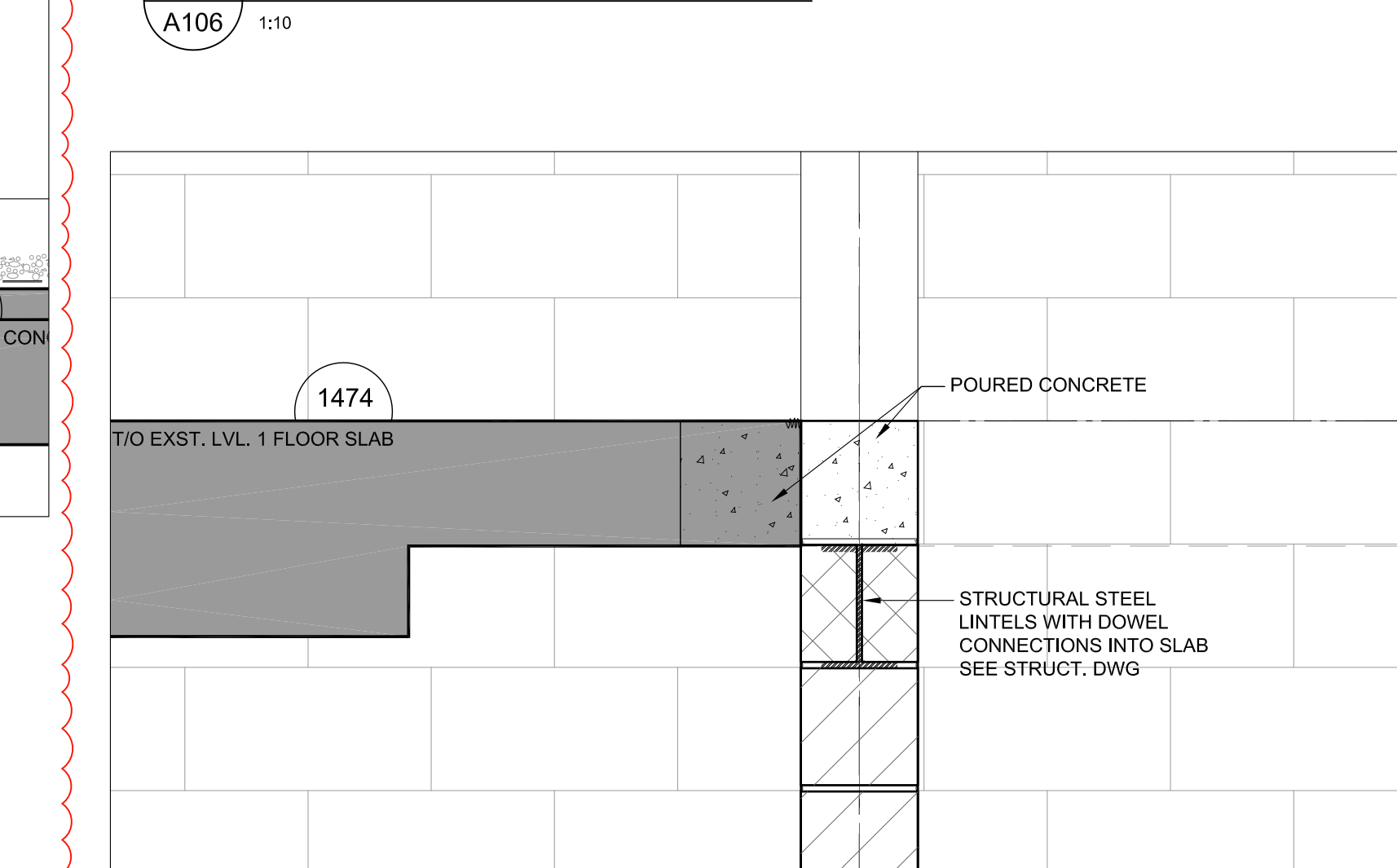
16 FOUNDATION SECTION DETAIL AT ELEVATOR 2  
A106 1:10



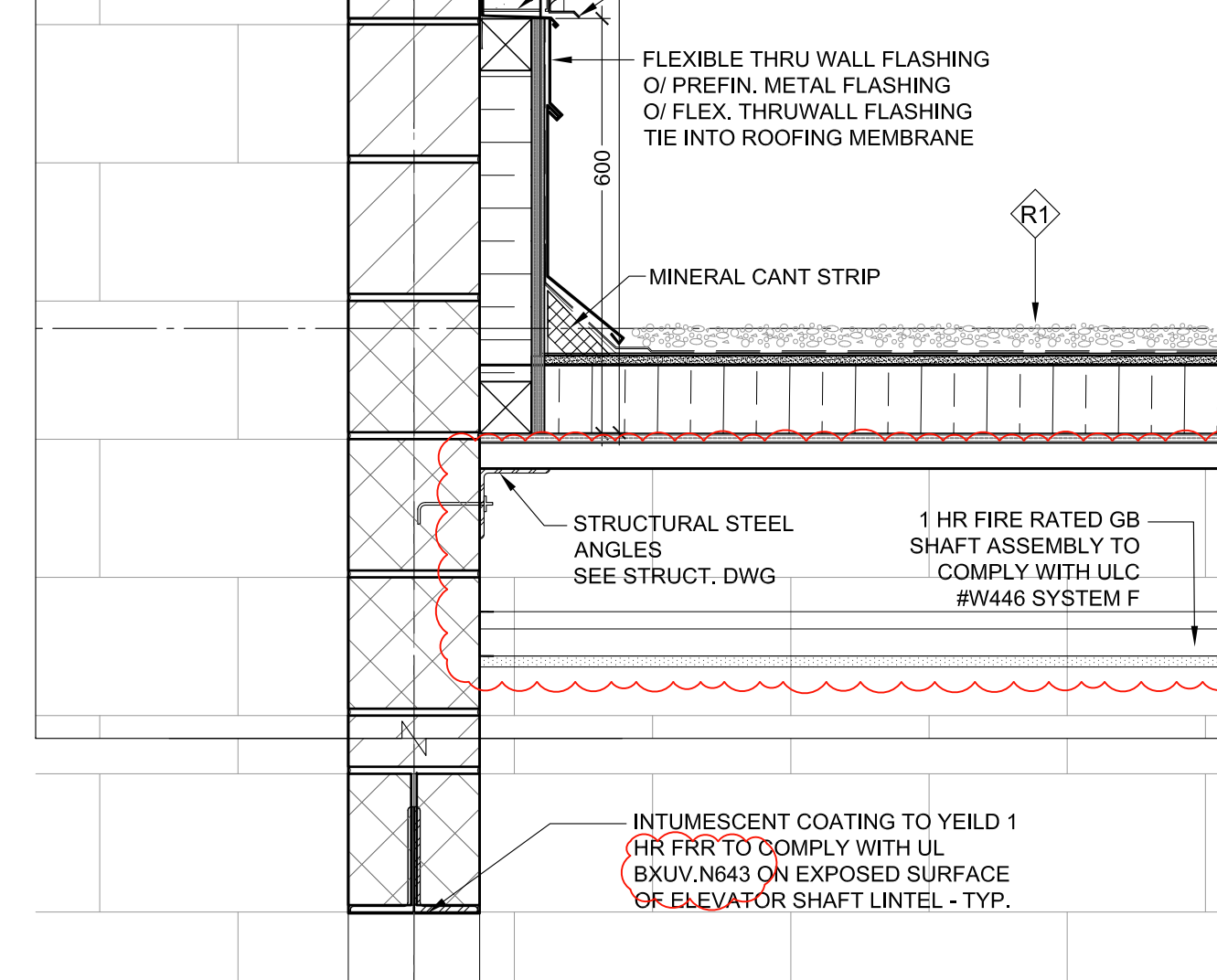
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A106 1:10



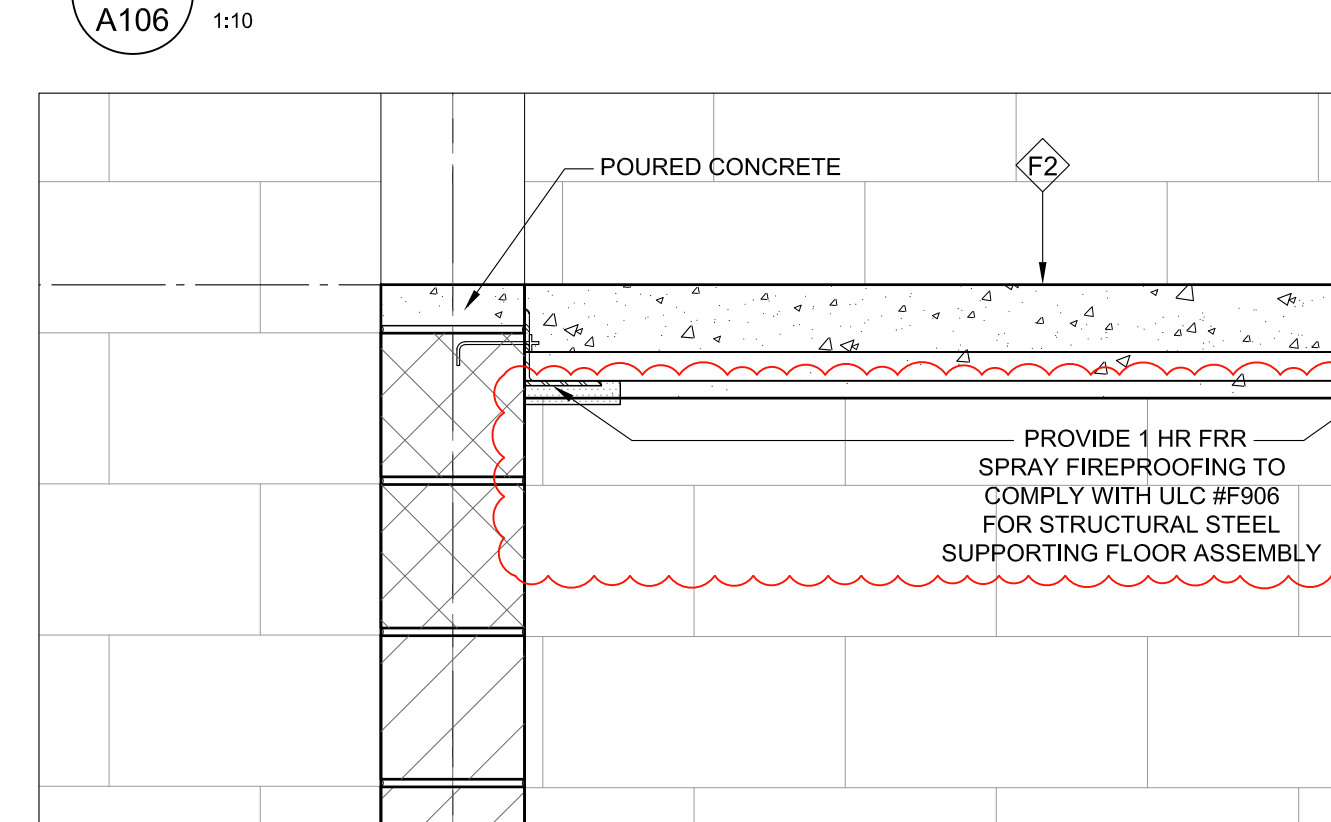
12 SECTION DETAIL AT ELEVATOR 2  
A106 1:10



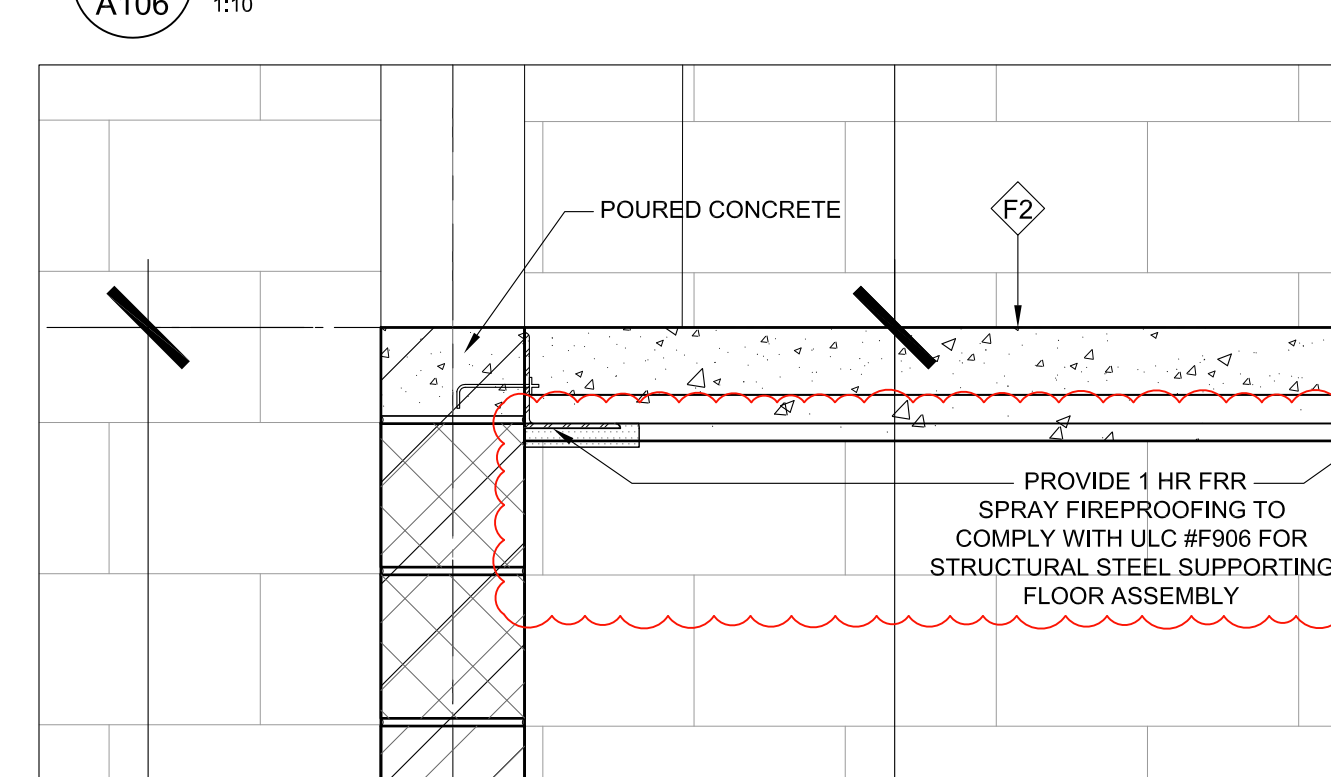
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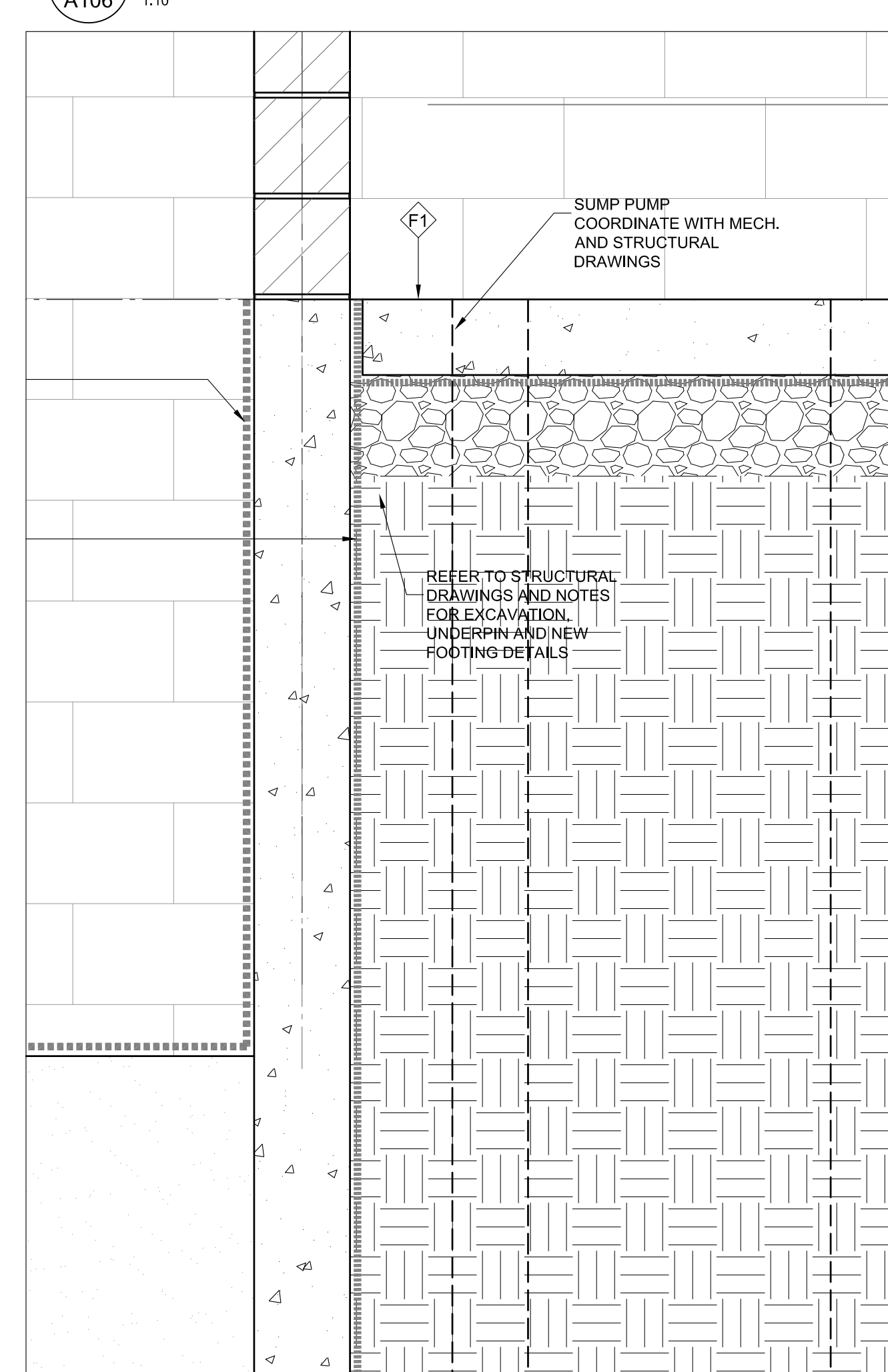
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A106 1:10



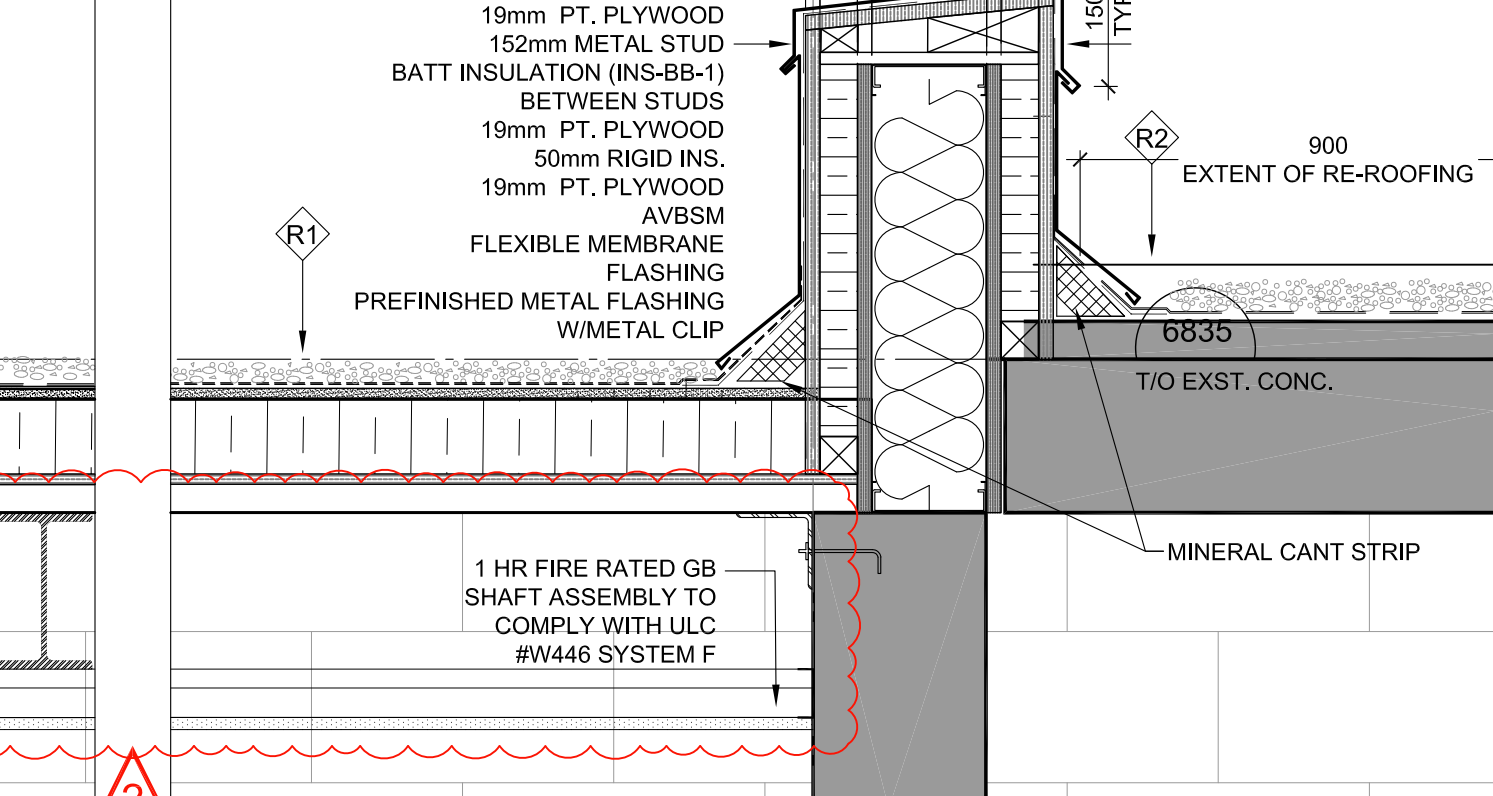
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A106 1:10



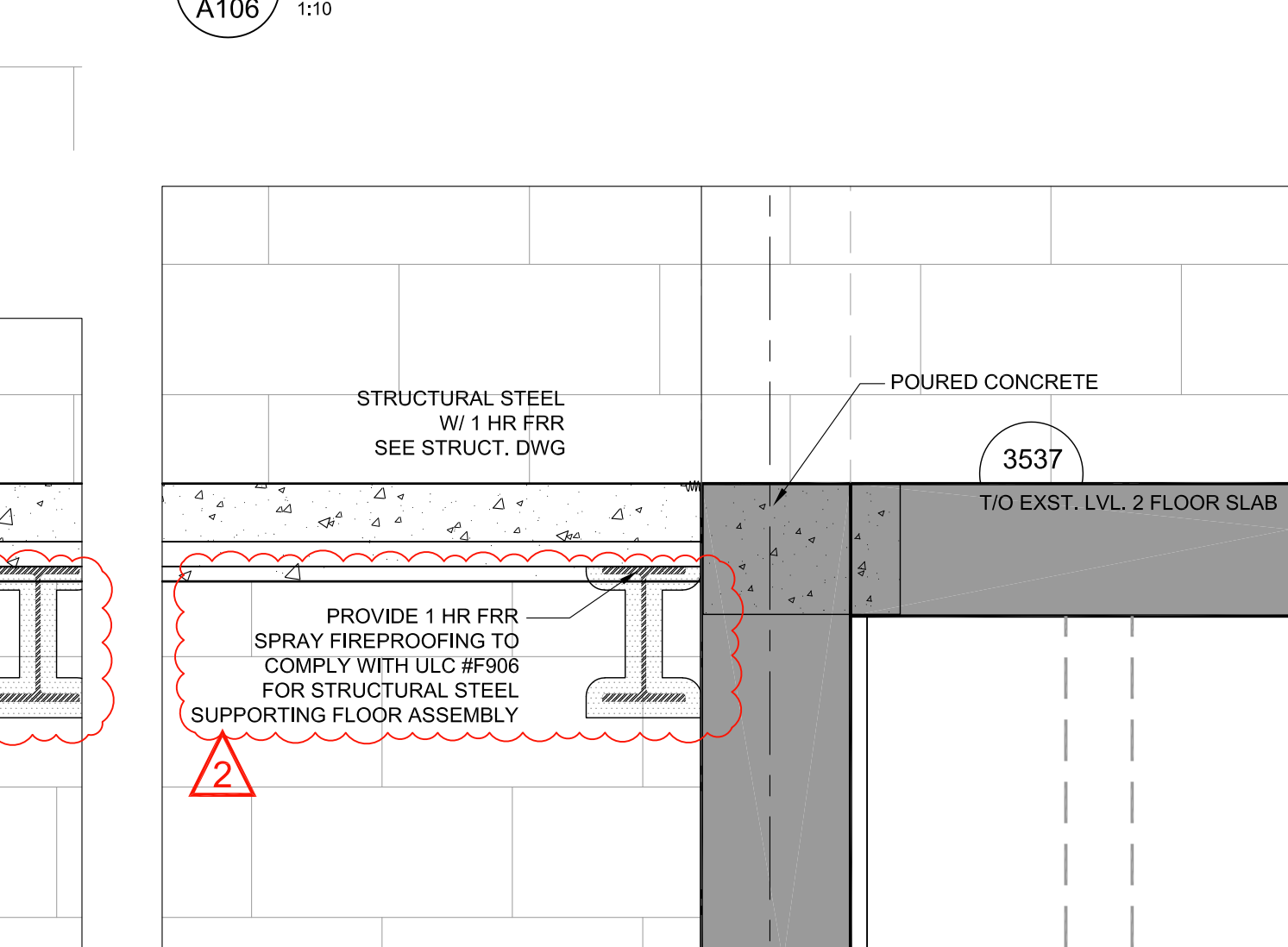
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A106 1:10



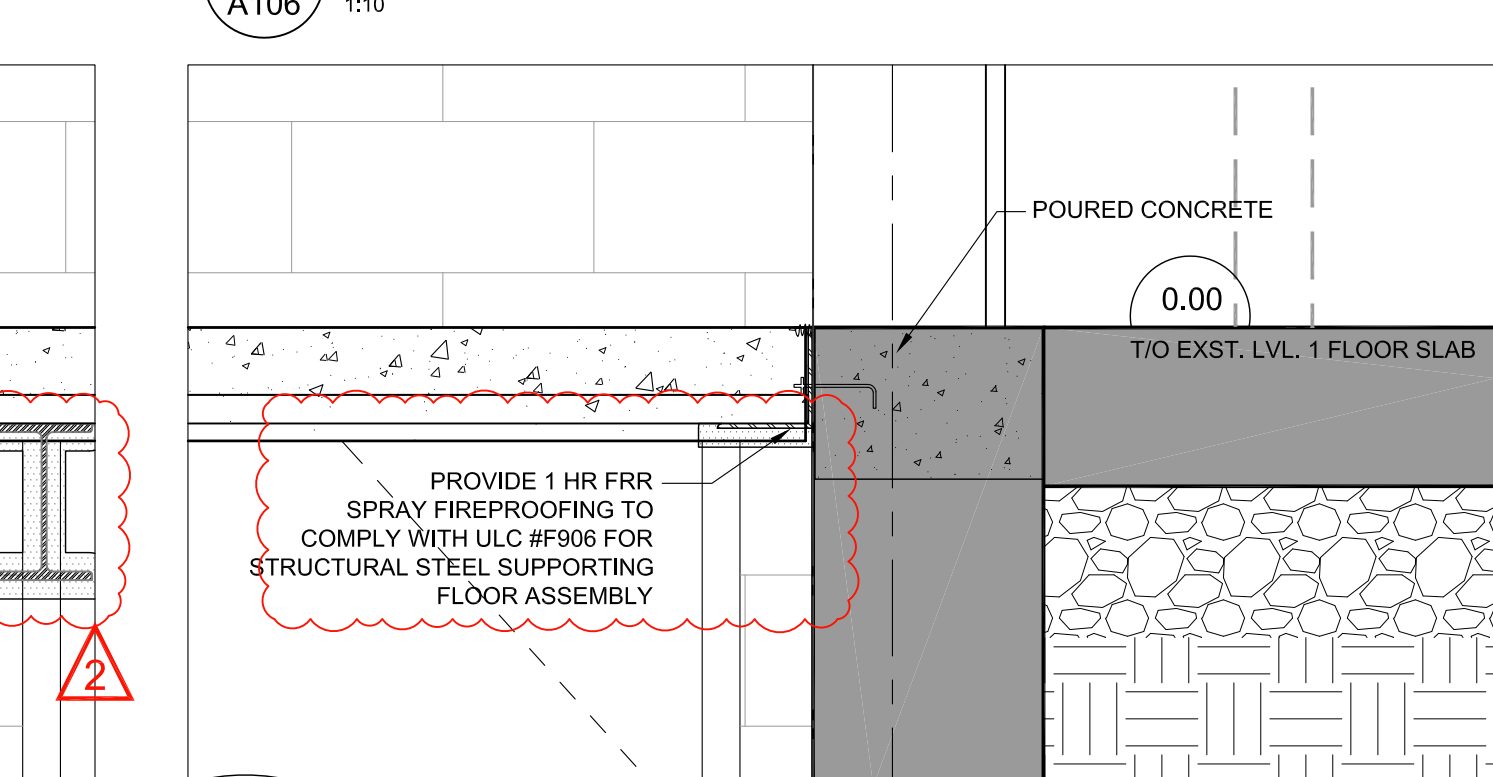
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A106 1:10



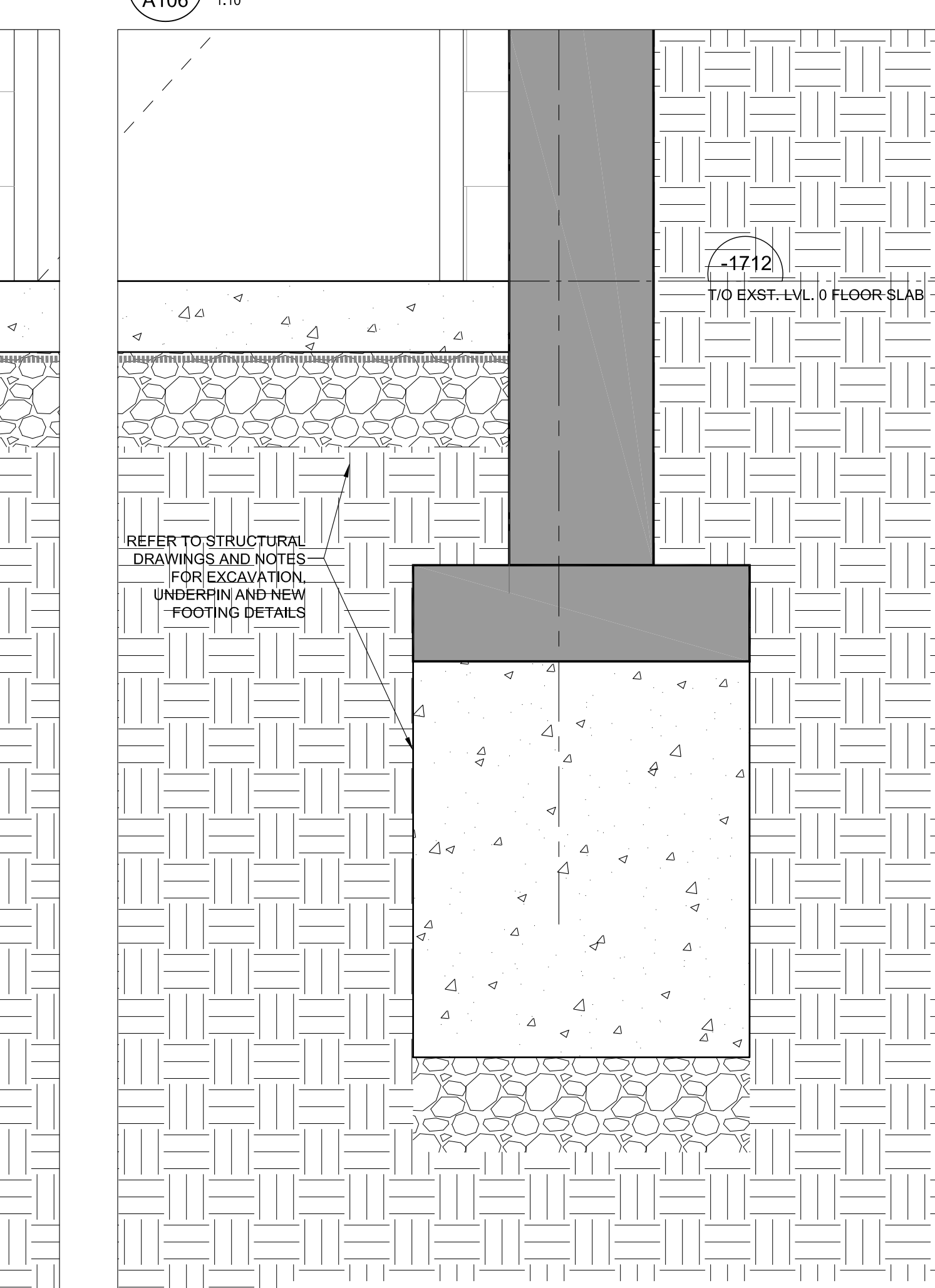
4 SECTION DETAIL AT ELEVATOR 2  
A106 1:10



3 SECTION DETAIL AT ELEVATOR 2  
A106 1:10



2 SECTION DETAIL AT ELEVATOR 2  
A106 1:10



1 FOUNDATION SECTION DETAIL AT ELEVATOR 2  
A106 1:10





## Mechanical Addendum No. 01

**EXP Project:** ALL-22020201-A0 TA Blakelock HS Interior Renovation & Accessibility Upgrades, Phase II, 1160 Rebecca St, Oakville, ON L6L 1Y9

**Date:** April 25, 2025

**Prepared By:** EXP Services Inc.

### Requirements:

The addendum forms part of the Contract Documents and amends the original Specifications and Drawings, as noted below.

Ensure that all parties submitting bids are aware of all items included in this Addendum.

This Addendum consists of two (2) pages plus appended documents.

### Amendments to Drawings

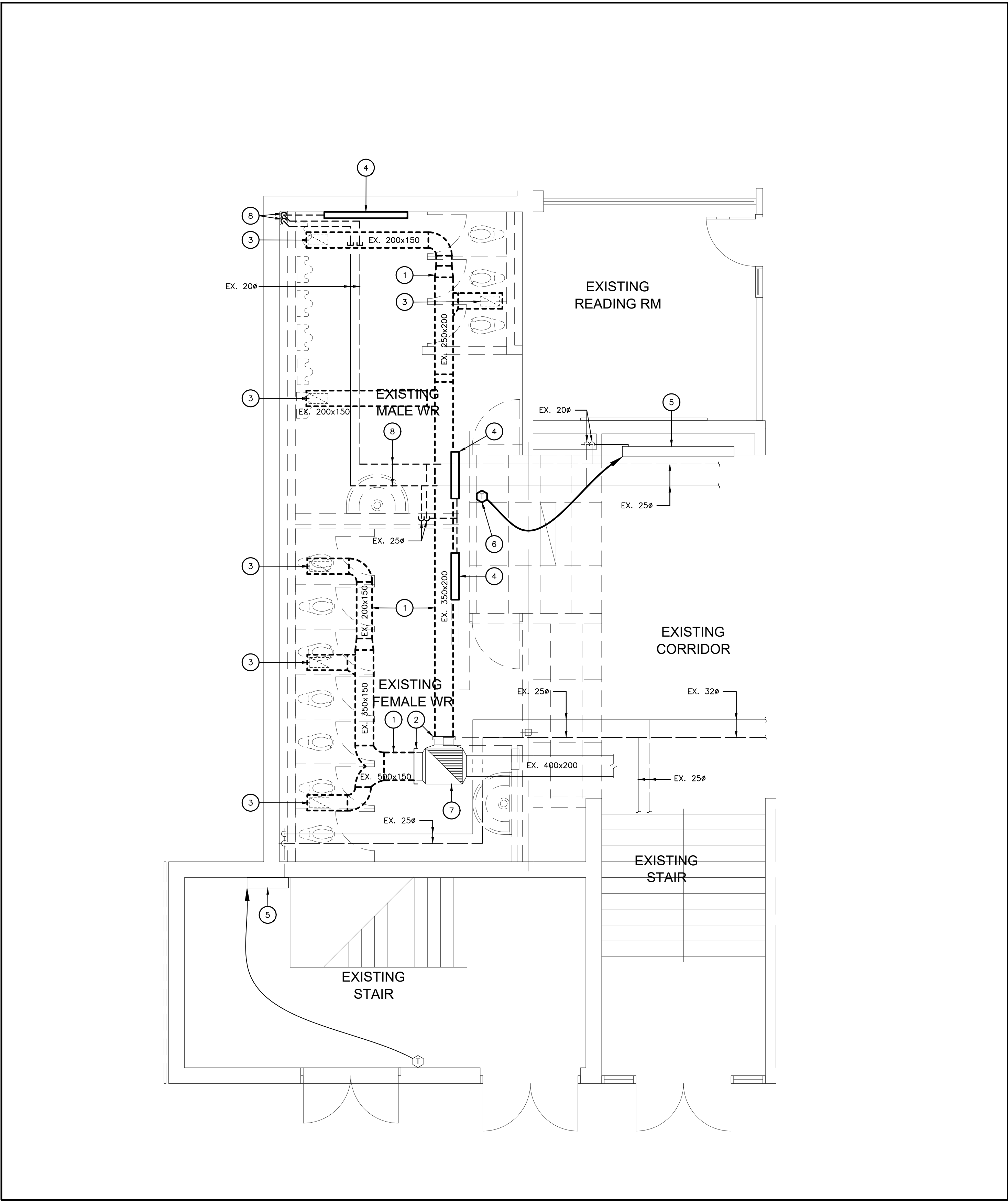
1. **Drawing M100 – LIBRARY WASHROOMS AND ELEVATORS DEMOLITION DRAINAGE AND PLUMBING PLANS**
  - .1 Drawing is issued with this addendum. Modifications include, but are not limited to the following:
  - .2 **Refer to Partial Level 0 Elevator 01 – Demolition Plumbing Plan:**
    - .1 **REVISE** Existing piping layout as indicated on included drawings.
2. **Drawing M101 – LIBRARY WASHROOMS AND ELEVATORS DEMOLITION HVAC PLANS**
  - .1 Drawing is issued with this addendum. Modifications include, but are not limited to the following:
  - .2 **Refer to Partial Level 1 Elevator 02 – Demolition HVAC Plan:**
    - .1 **REVISE** Existing ductwork layout as indicated on included drawings.
  - .3 **Refer to Partial Level 2 Elevator 02 – Demolition HVAC Plan:**
    - .1 **ADD** Removal and relocation of existing exterior wall louvre.
    - .2 **ADD** Demolition of existing ductwork to extent indicated on included drawing.
3. **Drawing M201 – ELEVATORS NEW DRAINAGE AND PLUMBING PLANS**
  - .1 Drawing is issued with this addendum. Modifications include, but are not limited to the following:
  - .2 **Refer to Partial Level 0 Elevator 01 – New Plumbing Plan:**
    - .1 **REVISE** Piping layout as indicated on included drawings.
    - .2 **REVISE** Drawing note 6 to include "...WITHIN NW FURRED OUT WALL."
  - .3 **Refer to Partial Level 1 Elevator 01 – New Plumbing Plan:**
    - .1 **REVISE** Piping layout as indicated on included drawings.
    - .2 **REVISE** Drawing note 2 to include "...WITHIN NW FURRED OUT WALL..."



4. **Drawing M300 – LIBRARY WASHROOM AND ELEVATORS NEW HVAC PLANS**
- .1 Drawing is issued with this addendum. Modifications include, but are not limited to the following:
  - .2 **Refer to Partial Level 0 Elevator 01 – New HVAC Plan:**
    - .1 **ADD** Fan coil ‘FC-2’ in elevator machine room complete with all piping specialties, controls and condensate drainage.
    - .2 **ADD** Refrigerant piping to serve new fan coil.
  - .3 **Refer to Partial Level 1 Elevator 01 – New HVAC Plan:**
    - .1 **ADD** Refrigerant piping dropping from roof level down to floor below within furred
  - .4 **Refer to Partial Level 1 Elevator 02 – New HVAC Plan:**
    - .1 **REVISE** Ductwork layout as indicated on included drawings.
    - .2 out wall.
  - .5 **Refer to Partial Level 2 Elevator 01 – New HVAC Plan:**
    - .1 **ADD** Refrigerant piping connecting to new remote condenser
    - .2 **ADD** Condensing Unit “CU-2” at roof level complete with all piping specialties and controls.
5. **Drawing ME100 – MECHANICAL AND ELECTRICAL SCHEDULES**
- .1 Drawing is issued with this addendum. Modifications include, but are not limited to the following:
  - .2 **Refer to Condensing Unit Schedule**
    - .1 **ADD** CU-2 to schedule.
  - .3 **Refer to VRF Fan Coils Schedule**
    - .1 **ADD** FC-2 to schedule.







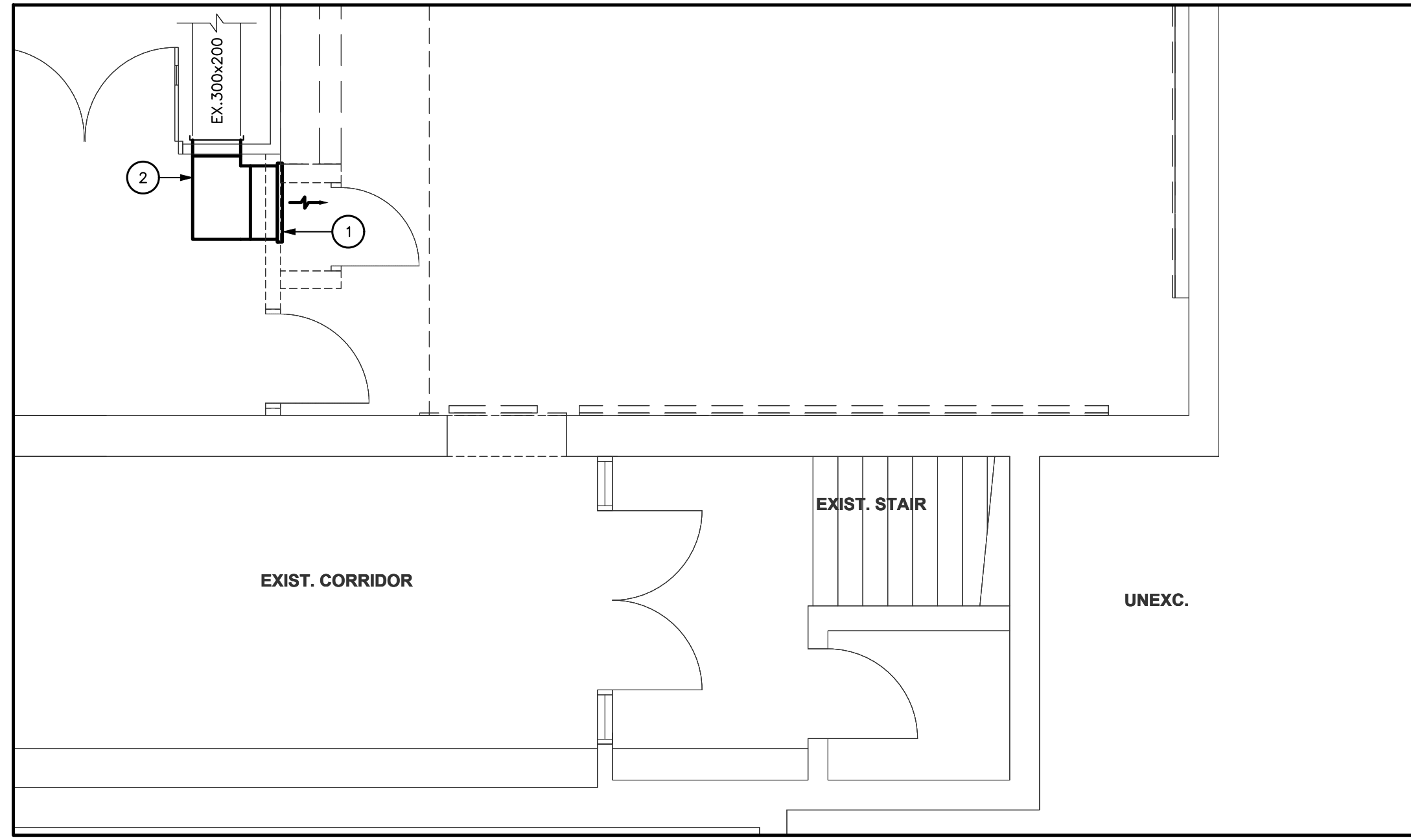
1 PARTIAL LEVEL 0 LIBRARY WASHROOM - DEMOLITION HVAC PLAN  
M101 1:50

#### DRAWING NOTES

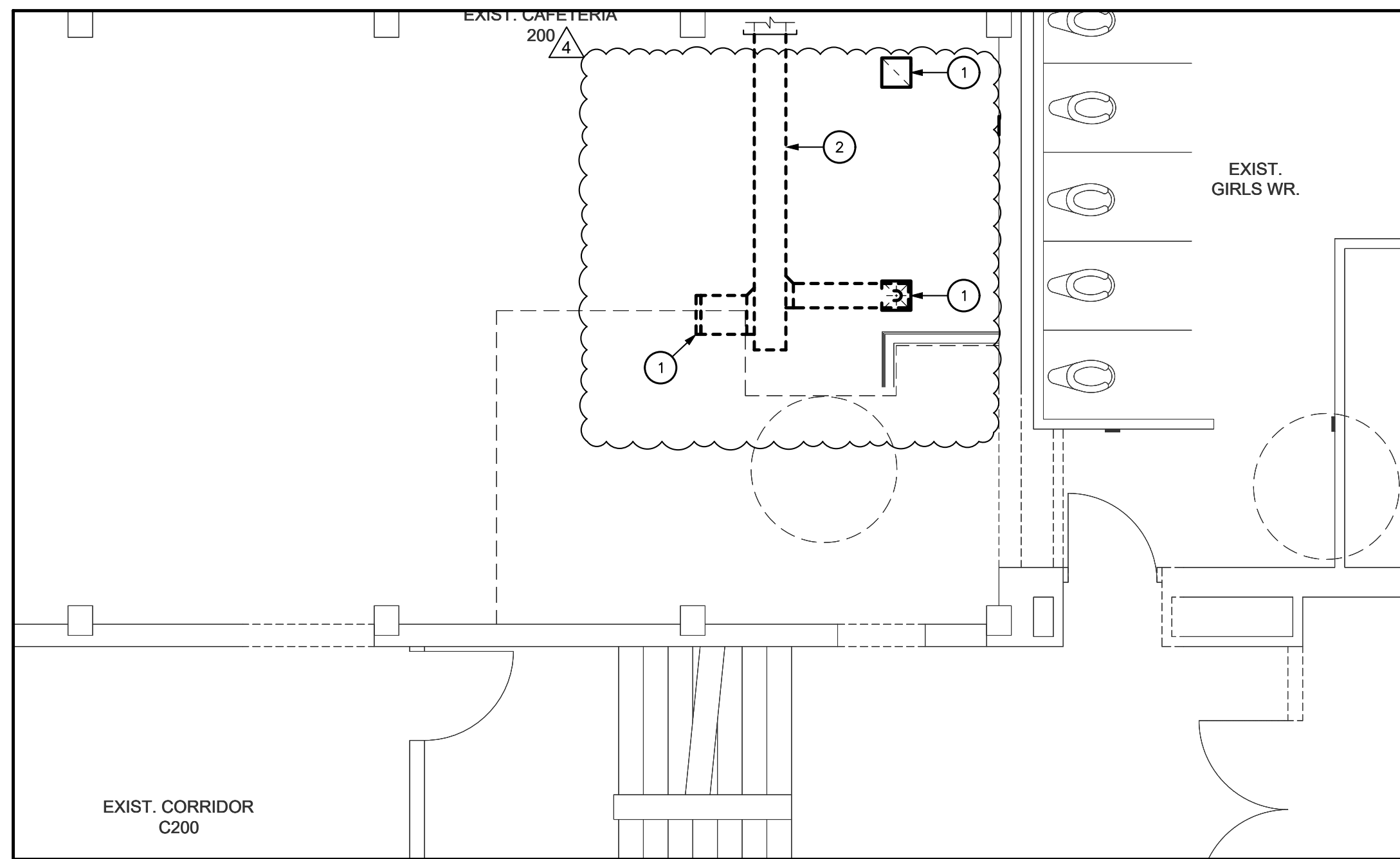
- 1) DEMOLISH EXISTING DUCTWORK TO EXTENT INDICATED, COMPLETE WITH ALL DUCTWORK ACCESSORIES AND SPECIALTIES.
- 2) CAP EXISTING DUCTWORK AND SEAL AIR TIGHT.
- 3) DEMOLISH AND DISPOSE OF EXISTING EXHAUST AIR GRILLE.
- 4) DEMOLISH AND DISPOSE OF EXISTING RADIANT HEATER COMPLETE WITH ALL ACCESSORIES INCLUDING CONTROL WIRING AND THERMOSTAT, CUT BACK PIPING AND PROVIDE A CAPPED CONNECTION.
- 5) EXISTING HEATING EQUIPMENT TO REMAIN.
- 6) EXISTING THERMOSTAT TO BE RELOCATED, REFER TO NEW WORK FOR NEW LOCATION, CLOSE OFF EXISTING COMPRESSED AIR LINE SERVING THERMOSTAT AND EXTEND THIS COMPRESSED AIR LINE OVER TO NEW THERMOSTAT LOCATION.
- 7) EXISTING ROOF EXHAUST FAN TO BE SHUT DOWN DURING CONSTRUCTION, MAKE SAFE POWER, COORDINATE WORK WITH ELECTRICAL TRADE, RE-START EXHAUST FAN UPON COMPLETION OF WORK.
- 8) EXISTING HEATING PIPES TO BE DEMOLISHED AND REPLACED WITH NEW, DISCONNECTION SHALL BE DONE VIA PIPE FREEZING, PROVIDE NEW ISOLATION VALVES WHERE REQUIRED TO FACILITATE NEW WORK CONNECTIONS.

#### GENERAL NOTES

- A) THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS.
- B) FOR DRAWINGS LEGENDS SEE DRAWING M000.



2 PARTIAL LEVEL 0 ELEVATOR 02 - DEMOLITION HVAC PLAN  
M101 1:50



3 PARTIAL LEVEL 1 ELEVATOR 02 - DEMOLITION HVAC PLAN  
M101 1:50

#### DRAWING NOTES

- 1) DEMOLISH AND DISPOSE OF EXISTING AIR REGISTER.
- 2) DEMOLISH AND OUTBACK DUCTWORK TO EXTENT INDICATED, CAP AT LOCATION SHOWN.

#### GENERAL NOTES

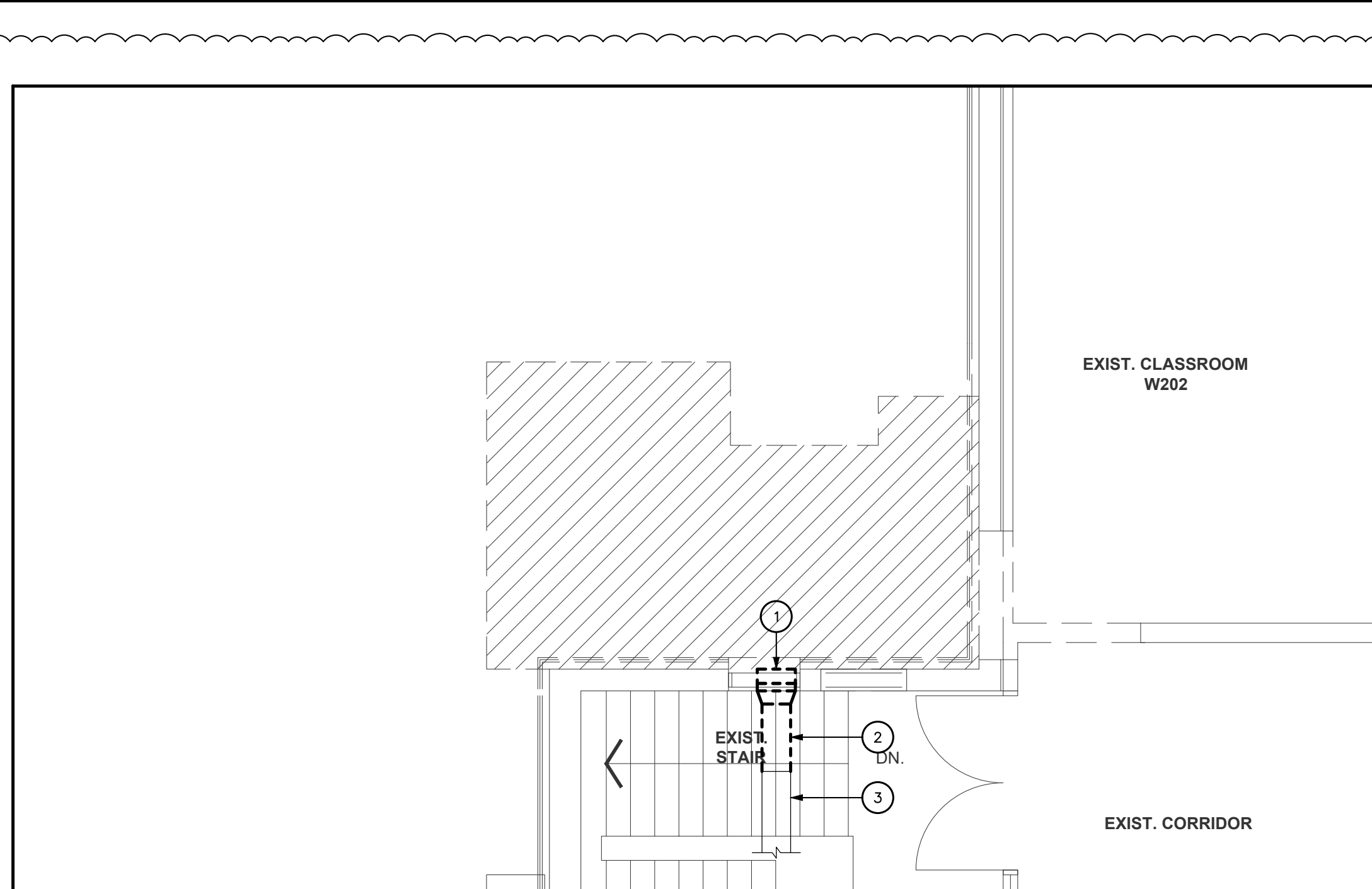
- A) THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS.
- B) FOR DRAWINGS LEGENDS SEE DRAWING M000.

#### DRAWING NOTES

- 1) DEMOLISH AND DISPOSE OF EXISTING AIR GRILLES AND DUCTWORK ACCESSORIES.
- 2) DEMOLISH AND OUTBACK DUCTWORK TO EXTENT INDICATED, CAP AT LOCATION SHOWN.

#### GENERAL NOTES

- A) THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS.
- B) FOR DRAWINGS LEGENDS SEE DRAWING M000.



4 PARTIAL LEVEL 2 ELEVATOR 02 - DEMOLITION HVAC PLAN  
M101 1:50

#### DRAWING NOTES

- 1) REMOVE EXISTING LOUVER AND PREPARE TO REINSTALL AND REUSE.
- 2) DEMOLISH AND OUTBACK DUCTWORK TO EXTENT INDICATED.
- 3) EXISTING DUCTWORK TO REMAIN AND BE PREPARED FOR REUSE.

Client  
Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

T. A. BLAKELOCK H.S.  
RENOVATIONS

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Oakville, ON

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Mechanical and Electrical Consultants

EXP

1286 S. Service Rd.

Stoney Creek, Ontario L8E 5R9

Tel: 905-525-6089



Project North True North

No.	Revisions	Date
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- B) FOR DRAWINGS LEGENDS SEE DRAWING M000.

Drawing Title:

LIBRARY WASHROOMS

AND ELEVATORS

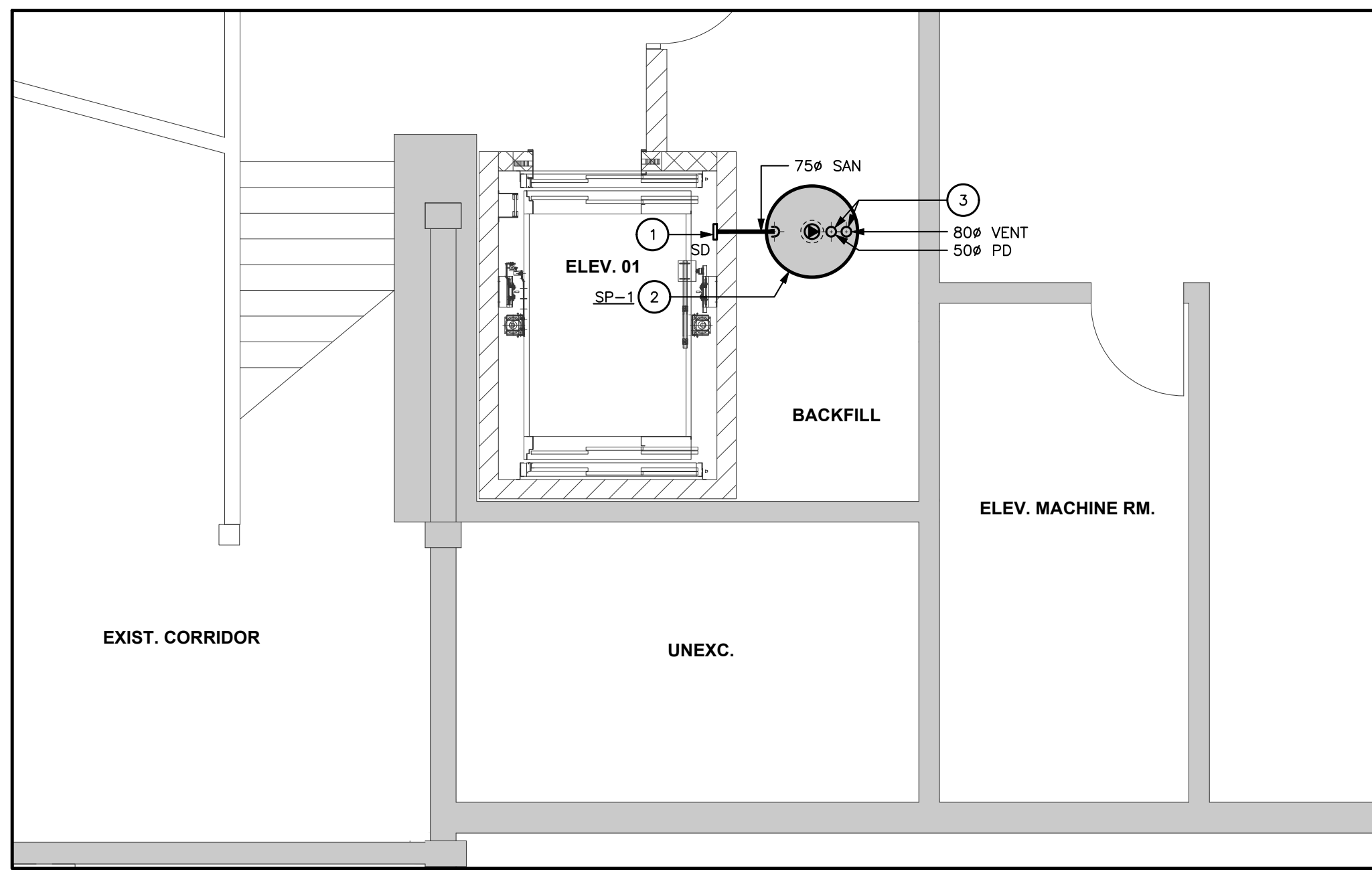
DEMOLITION HVAC PLAN

Scale: AS NOTED Date: 2025-03-03

Drawn by: JL Checked by: WD

Job No. Drawing No.

ALL-22020201 M101



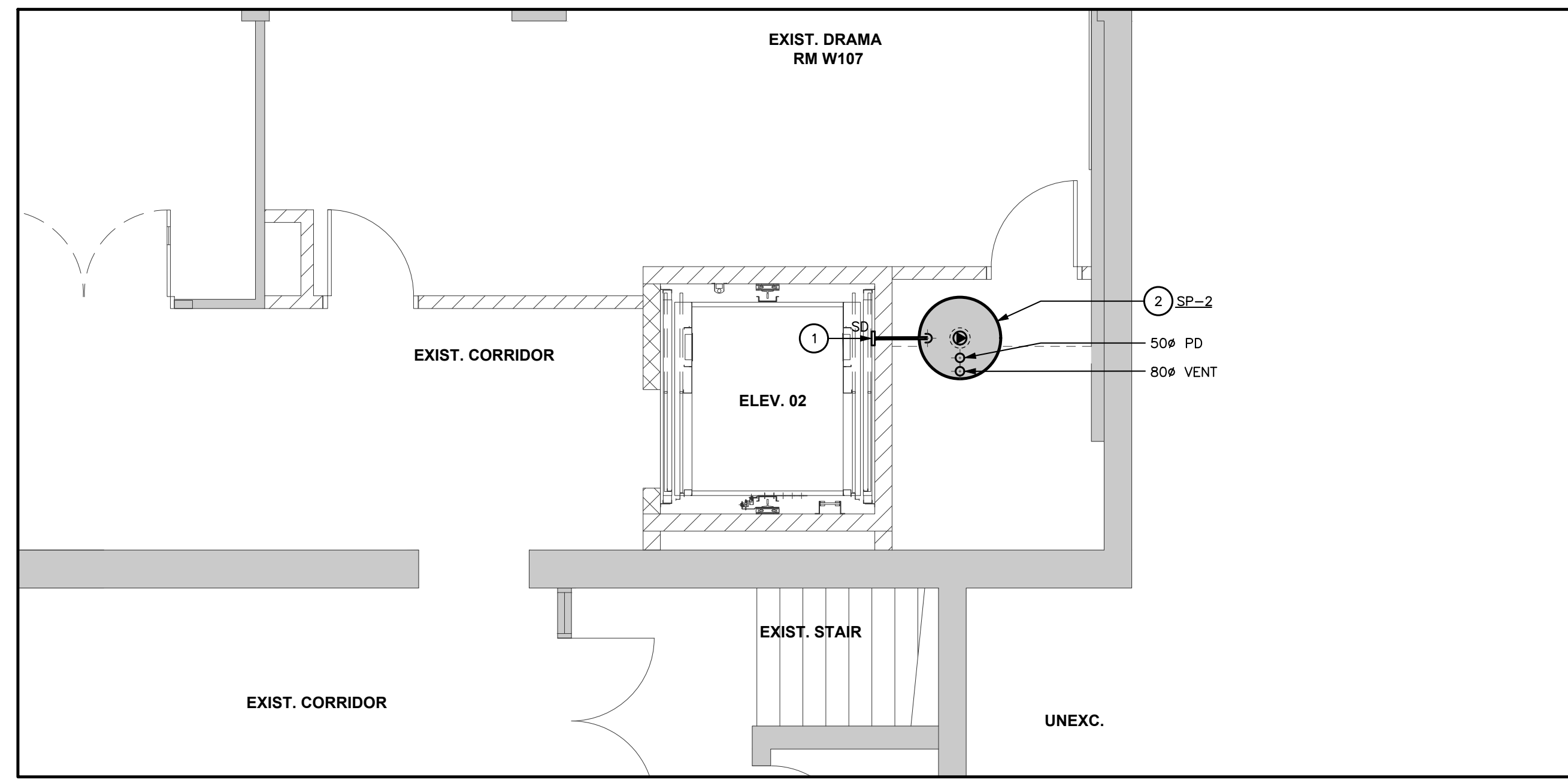
1 PARTIAL LEVEL 0 ELEVATOR 01 - NEW UNDERGROUND DRAINAGE PLAN  
M201 1/50

#### DRAWING NOTES

- 1 NEW PIT DRAIN TO CONNECT TO NEW SUMP PUMP "SP-1". SUPPLY AND INSTALL NEW PIT DRAIN. COMPLETE WITH BACKWATER VALVE AND GRATE.
- 2 PROVIDE NEW ELEVATOR SUMP PUMP AND PIT AS PER MANUFACTURERS INSTRUCTIONS. SUMP PIT IS TO BE FIBER GLASS, 36" X 36" AND 36" DEEP. REFER TO MECHANICAL DETAILS. COORDINATE EXACT LOCATION WITH STRUCTURAL ENGINEER.
- 3 NEW SANITARY PUMPED DISCHARGE AND SUMP PIT VENTING TO RISE UP THROUGH TO FLOOR ABOVE.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.



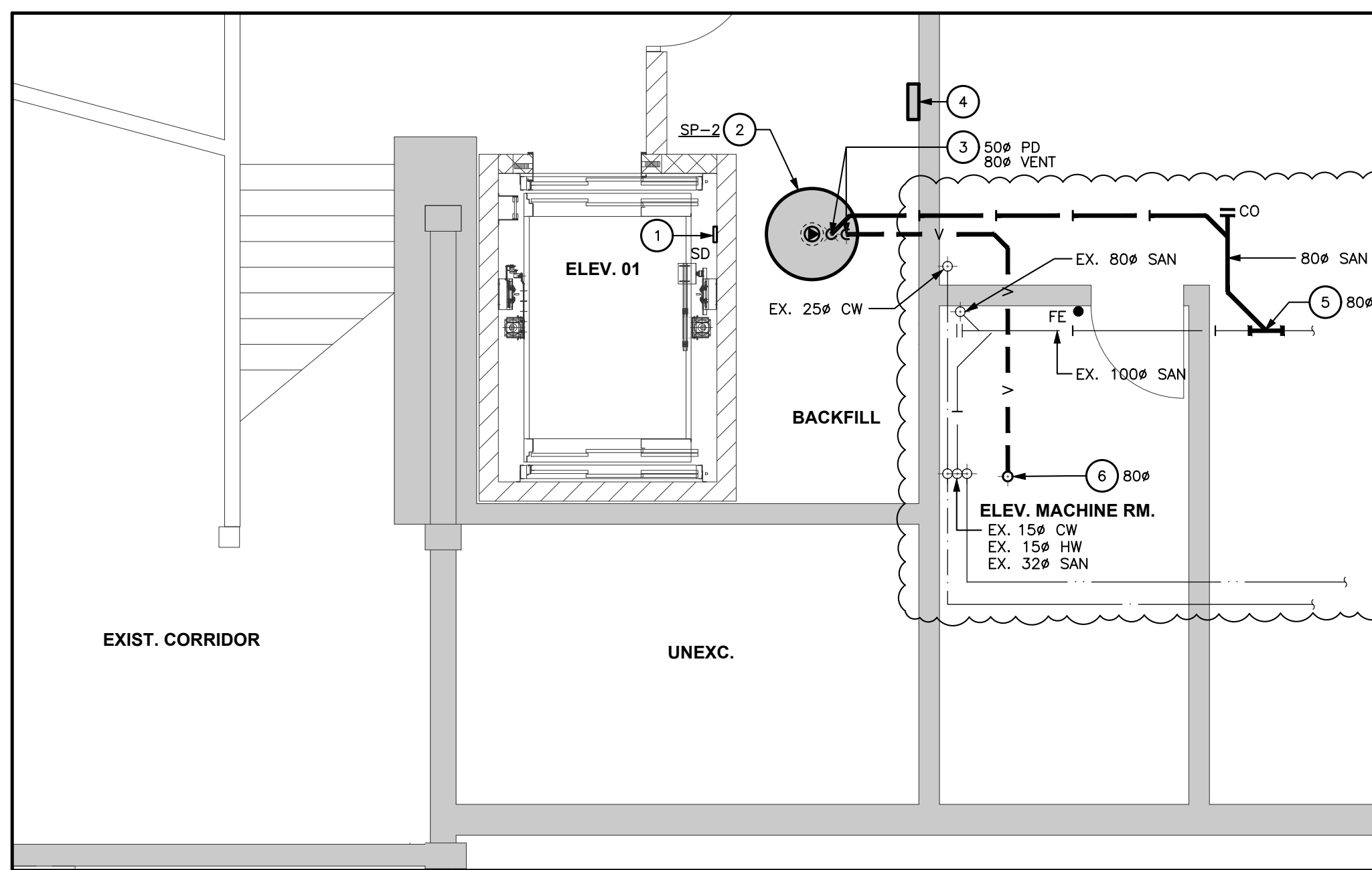
2 PARTIAL LEVEL 0 ELEVATOR 02 - NEW UNDERGROUND DRAINAGE PLAN  
M201 1/50

#### DRAWING NOTES

- 1 NEW PIT DRAIN TO CONNECT TO NEW SUMP PUMP "SP-2". SUPPLY AND INSTALL NEW PIT DRAIN. COMPLETE WITH BACKWATER VALVE AND GRATE.
- 2 PROVIDE NEW ELEVATOR SUMP PUMP AND PIT AS PER MANUFACTURERS INSTRUCTIONS. REFER TO MECHANICAL DETAILS.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.



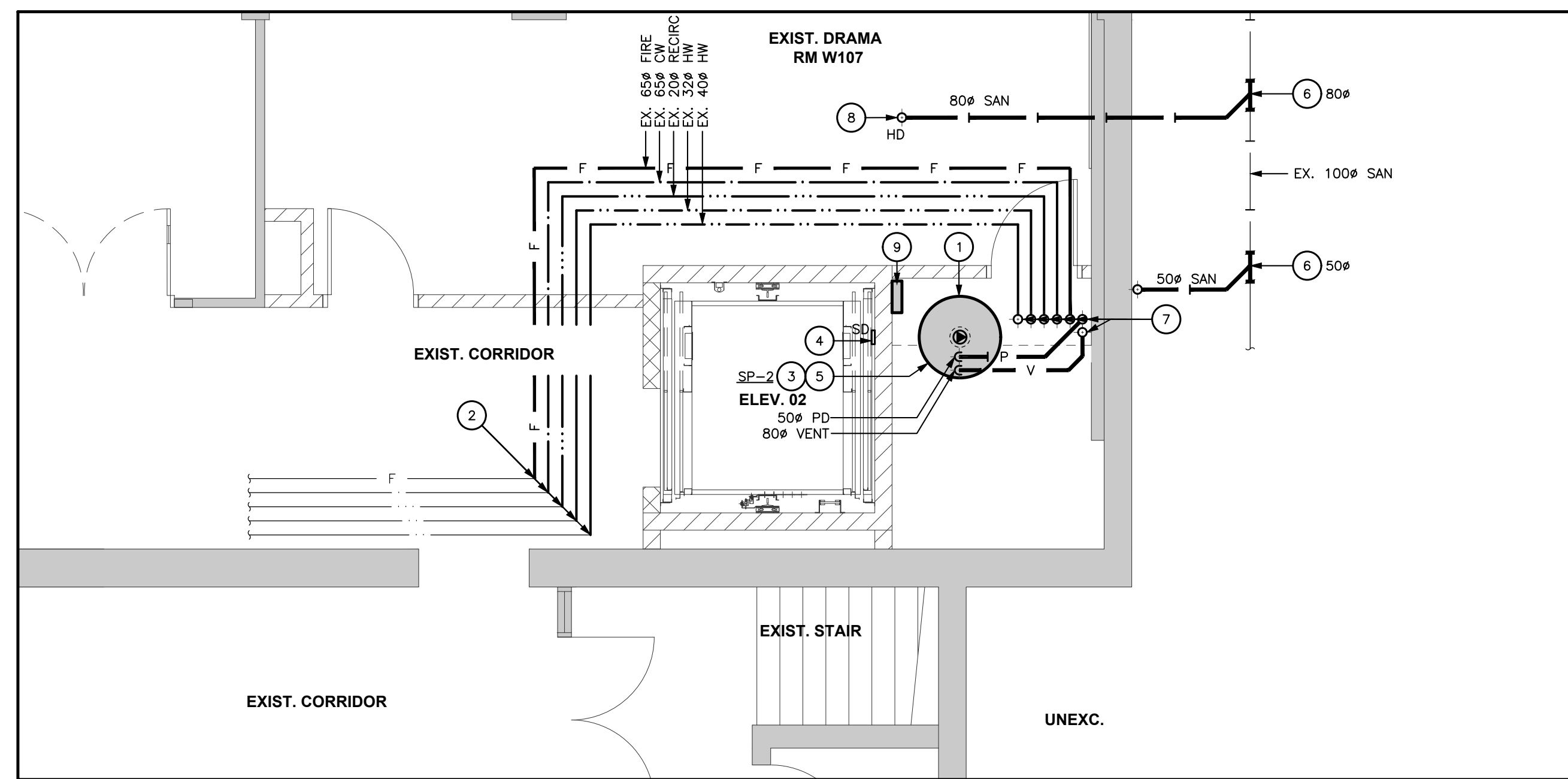
3 PARTIAL LEVEL 0 ELEVATOR 01 - NEW PLUMBING PLAN  
M201 1/50

#### DRAWING NOTES

- 1 SUPPLY AND INSTALL NEW PIT DRAIN COMPLETE WITH BACKWATER VALVE AND GRATE. DRAIN TO BE WATTS W-604 OR EQUIVALENT.
- 2 PROVIDE NEW ELEVATOR SUMP PUMP AND PIT AS PER MANUFACTURERS INSTRUCTIONS. SUMP PIT IS TO BE FIBER GLASS, 36" X 36" AND 36" DEEP. REFER TO MECHANICAL DETAILS. COORDINATE EXACT LOCATION WITH STRUCTURAL ENGINEER.
- 3 RISE PUMPED DISCHARGE FROM SUMP PUMP "SP-1" AND VENTING UP FROM PIT BELOW.
- 4 INSTALL NEW SUMP PUMP CONTROL PANEL.
- 5 CONNECT NEW SANITARY TO EXISTING SYSTEM.
- 6 RISE PIPE UP TO LEVEL ABOVE WITHIN NEW FURRED OUT WALL.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.



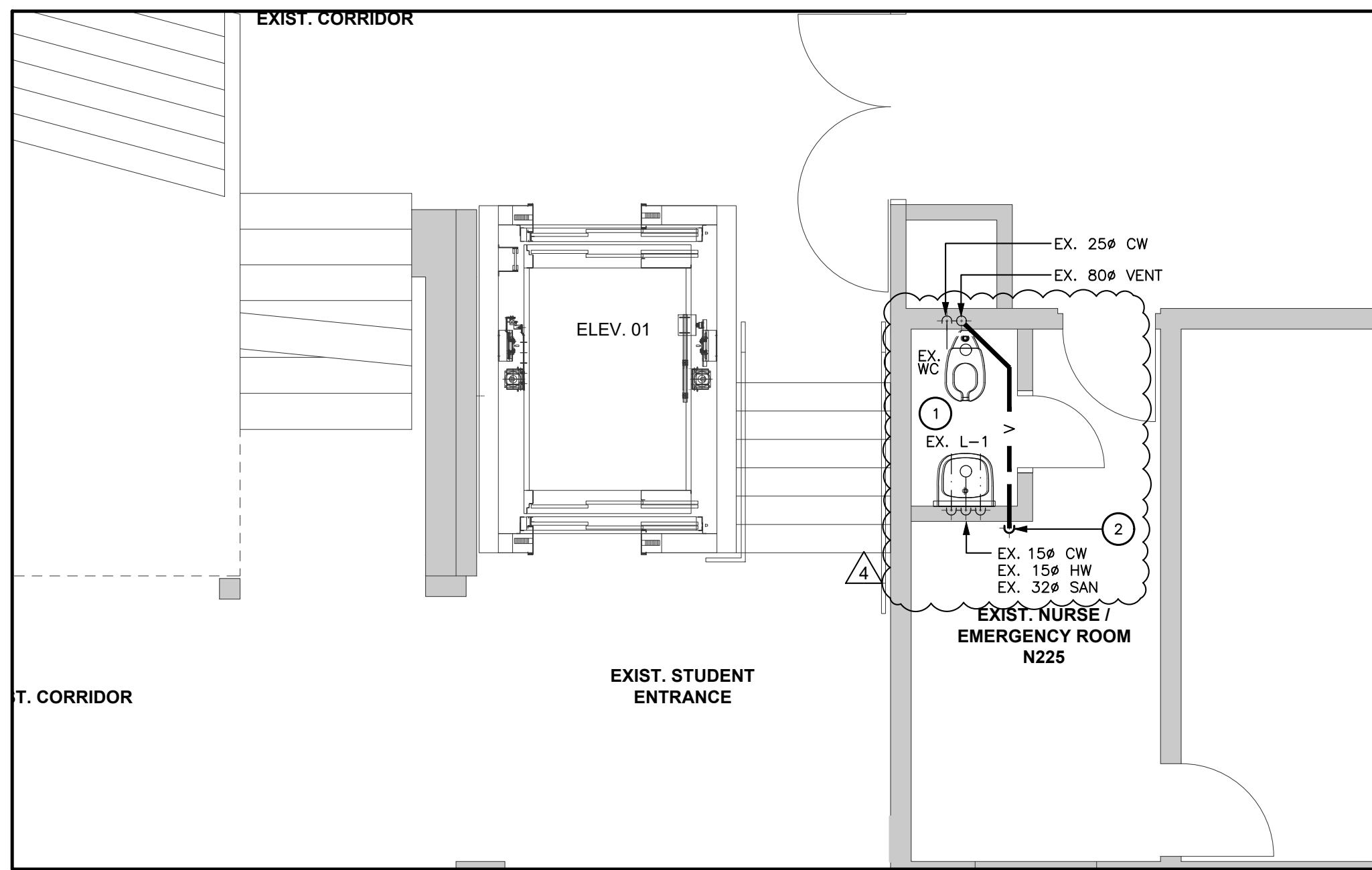
4 PARTIAL LEVEL 0 ELEVATOR 02 - NEW PLUMBING AND FIRE PROTECTION PLAN  
M201 1/50

#### DRAWING NOTES

- 1 RISE PUMPED DISCHARGE UP FROM SUMP PUMP "SP-2" IN PIT BELOW.
- 2 CONNECT TO EXISTING ABOVE GROUND PIPING SYSTEM.
- 3 PROVIDE NEW ELEVATOR SUMP PUMP AND PIT AS PER MANUFACTURERS INSTRUCTIONS. REFER TO MECHANICAL DETAILS.
- 4 SUPPLY AND INSTALL NEW PIT DRAIN COMPLETE WITH BACKWATER VALVE AND GRATE. DRAIN TO BE WATTS W-604 OR EQUIVALENT.
- 5 RISE SUMP STEEL PIPE VENT AND CONNECT TO NEAREST BUILDING PLUMBING VENT.
- 6 CONNECT NEW SANITARY TO EXISTING SYSTEM. WITHIN UNDEGRADED AREA.
- 7 RISE PIPES UP THROUGH PLUMBING CHASE TO LEVEL ABOVE.
- 8 CONNECT TO NEW HUB DRAINING SERVING FANCOIL UNIT, FC-1, ABOVE.
- 9 INSTALL NEW SUMP PUMP CONTROL PANEL.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.



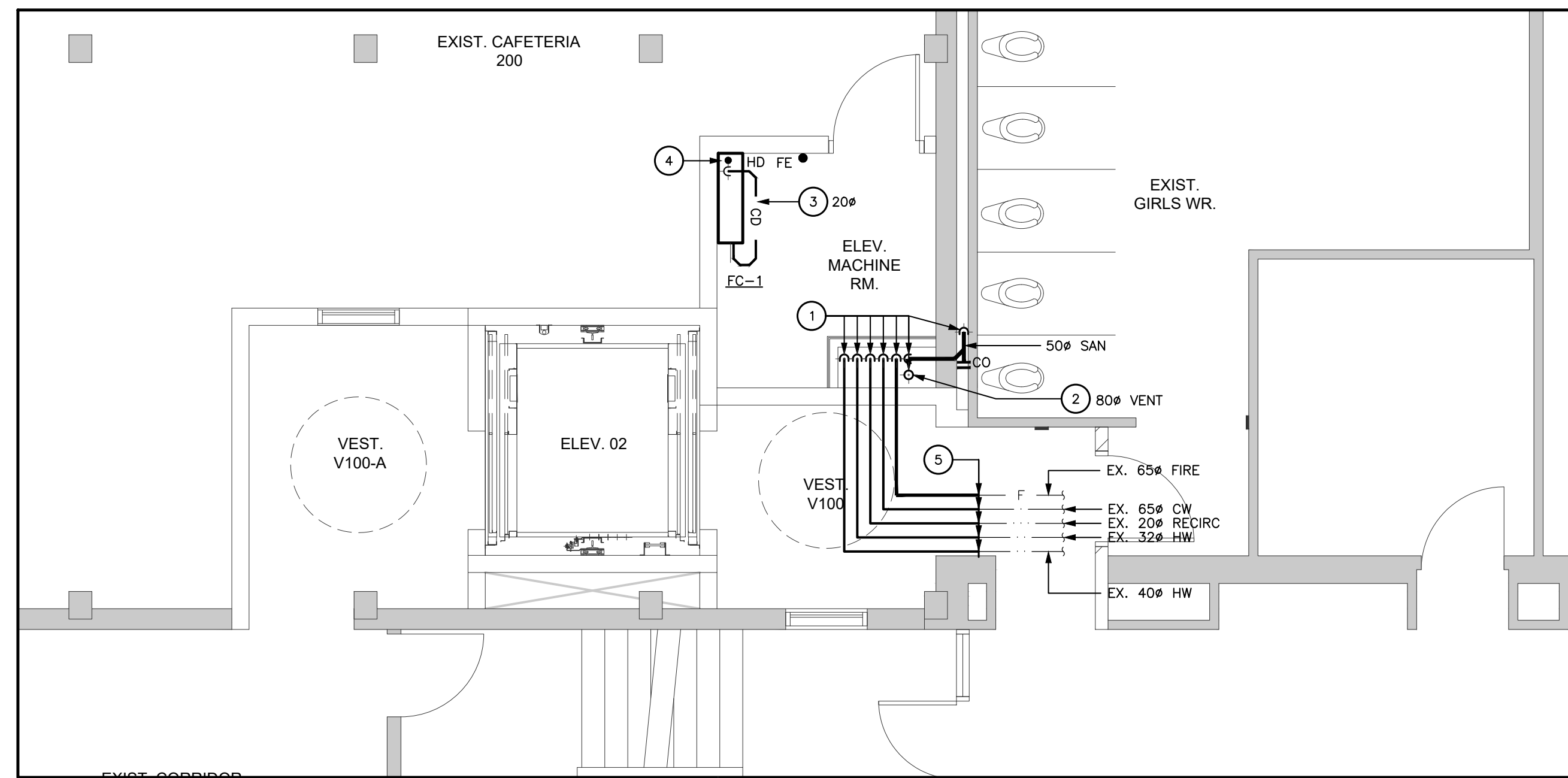
5 PARTIAL LEVEL 1 ELEVATOR 01 - NEW PLUMBING PLAN  
M201 1/50

#### DRAWING NOTES

- 1 EXISTING PLUMBING FIXTURE TO REMAIN.
- 2 RISE PLUMBING VENT UP FROM FLOOR BELOW WITHIN FURRED OUT WALL AND CONNECT TO EXISTING BUILDING VENT ON THIS FLOOR AT CEILING LEVEL.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.



6 PARTIAL LEVEL 1 ELEVATOR 02 - NEW PLUMBING PLAN  
M201 1/50

#### DRAWING NOTES

- 1 DROP PIPE DOWN TO FLOOR BELOW.
- 2 NEW SANITARY VENT CONTINUES UP TO ROOF LEVEL. TERMINATE AT ROOF LEVEL.
- 3 CONDENSATE DRAIN LINE FOR NEW FAN COIL UNIT.
- 4 CONDENSATE DRAIN LINE TO SPILL INTO HUB DRAIN. FINAL LOCATION OF HUB DRAIN TO BE COORDINATED ON SITE.
- 5 CONNECT NEW PIPE TO EXISTING SYSTEM.

#### GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M000.

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Tel: 905-525-6089

Project North True North

No. Revisions Date

4 ISSUED FOR ADDENDUM #1 2025-04-25

3 ISSUED FOR TENDER 2025-04-17

2 ISSUED FOR PERMIT 2025-04-08

1 ISSUED FOR REVIEW 2025-03-21

No. Issue Date

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:  
ELEVATORS  
NEW DRAINAGE  
AND PLUMBING PLANS

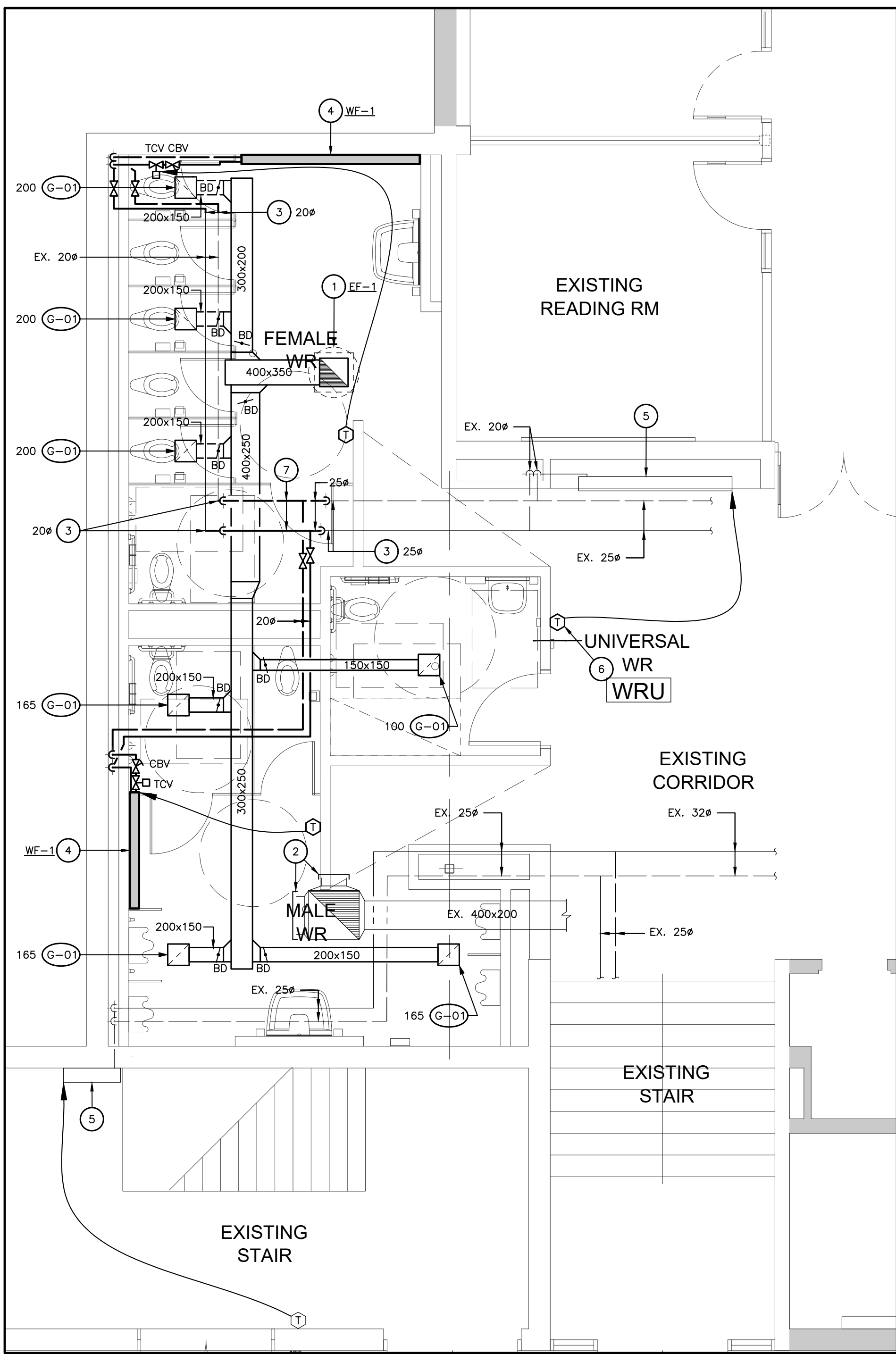
Scale: AS NOTED Date: 2025-03-03

Drawn by: CC Checked by: WD

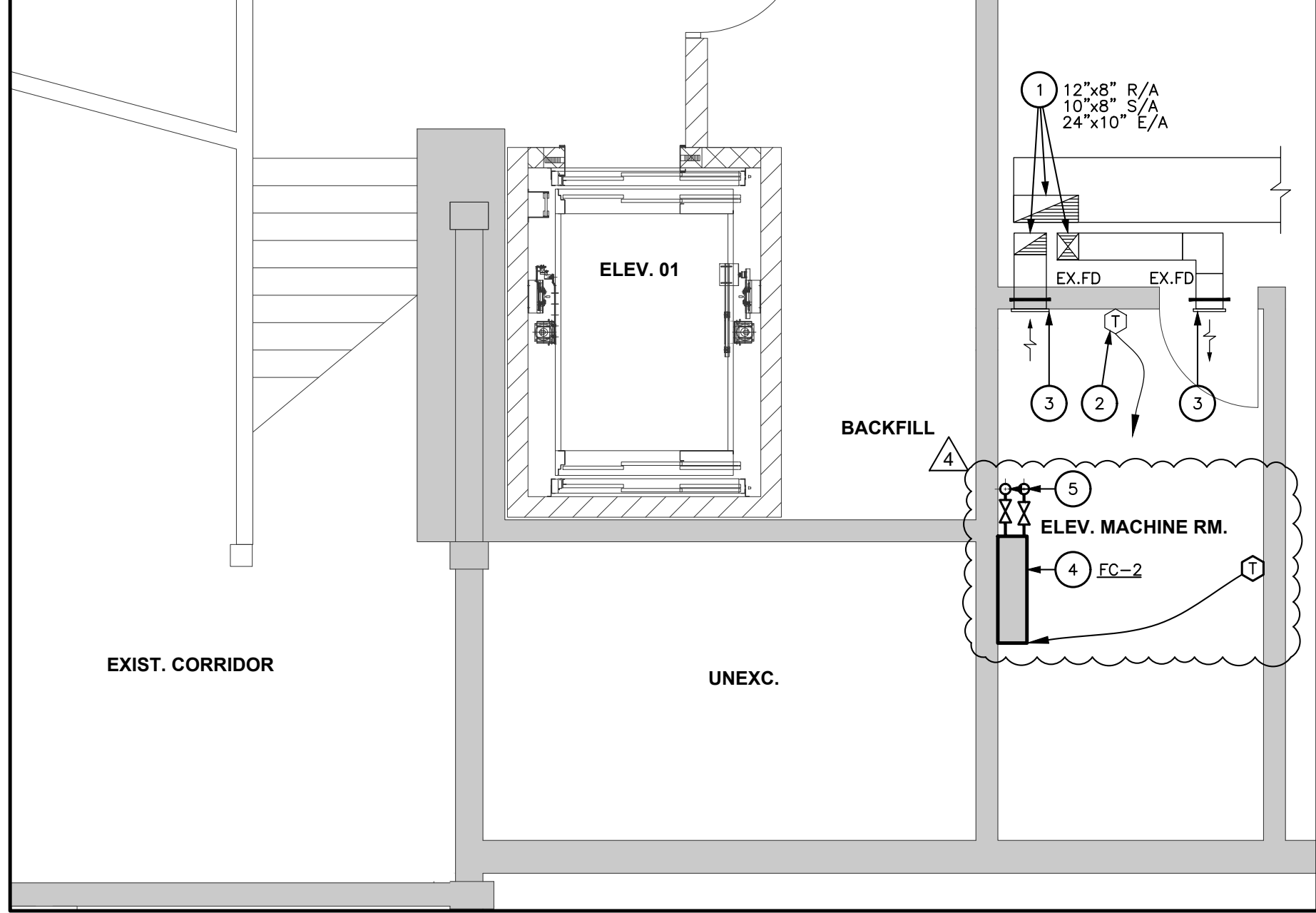
Job No. Drawing No.

ALL-22020201 M201





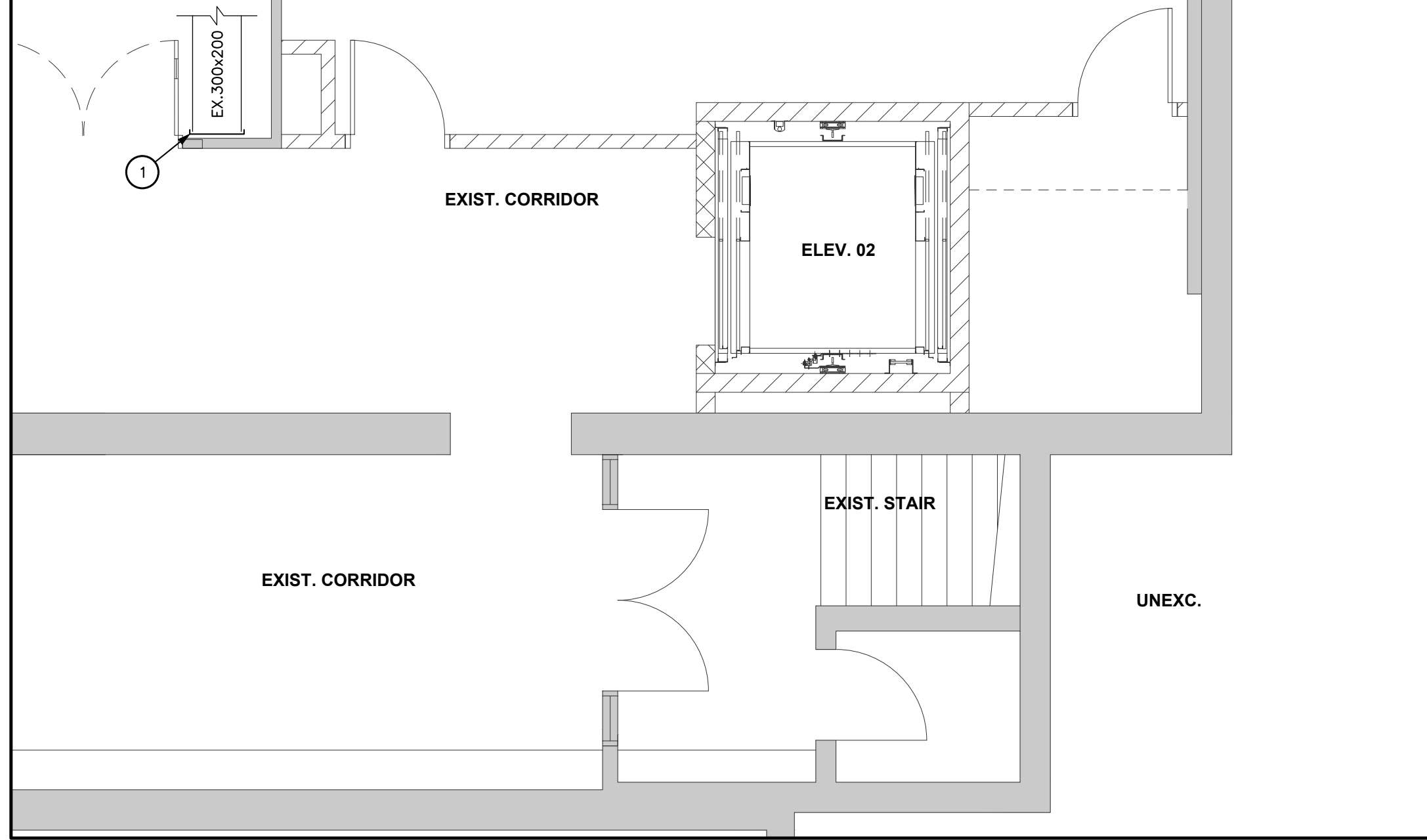
1 PARTIAL LEVEL 0 LIBRARY WASHROOMS - NEW HVAC PLAN  
M300 1:50



2 PARTIAL LEVEL 0 ELEVATOR 01 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

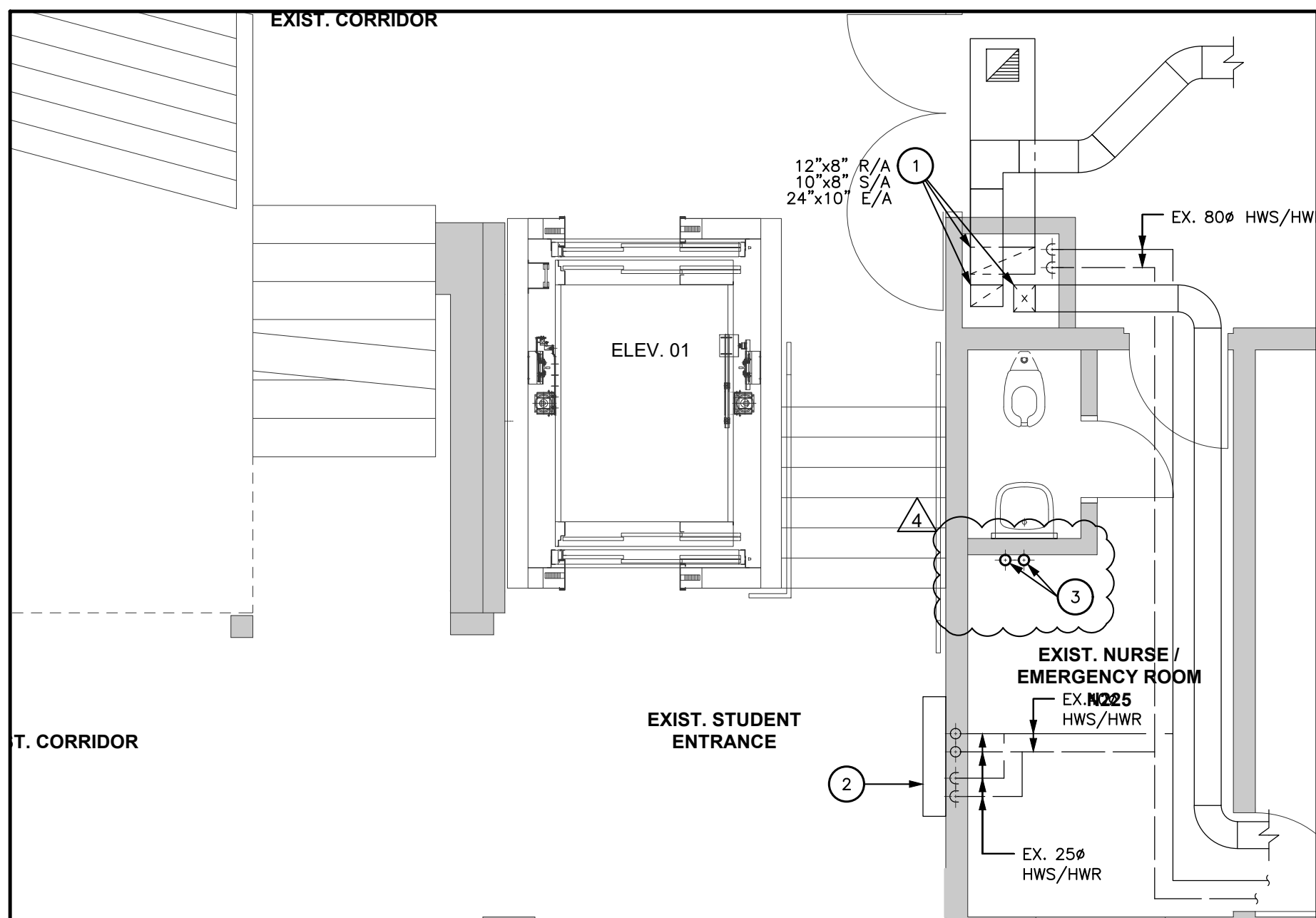
- EXISTING DUCTWORK RISES UP TO FLOOR ABOVE.
- EXISTING T-STAT TO REMAIN.
- EXISTING AIR REGISTERS TO REMAIN.
- OUTLINE OF FAN COIL UNIT TO BE SUITABLY SUPPORTED FROM WALL. INSTALL UNIT TO MANUFACTURERS RECOMMENDATION. PROVIDE REFRIGERANT PIPES COORDINATE WITH EQUIPMENT MANUFACTURER FOR PIPE SIZES. EXACT LOCATION TO BE COORDINATED WITH FINAL ELEVATOR MACHINE ROOM LAYOUT. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN.
- RISE REFRIGERANT UP TO ROOF ABOVE.



3 PARTIAL LEVEL 0 ELEVATOR 02 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

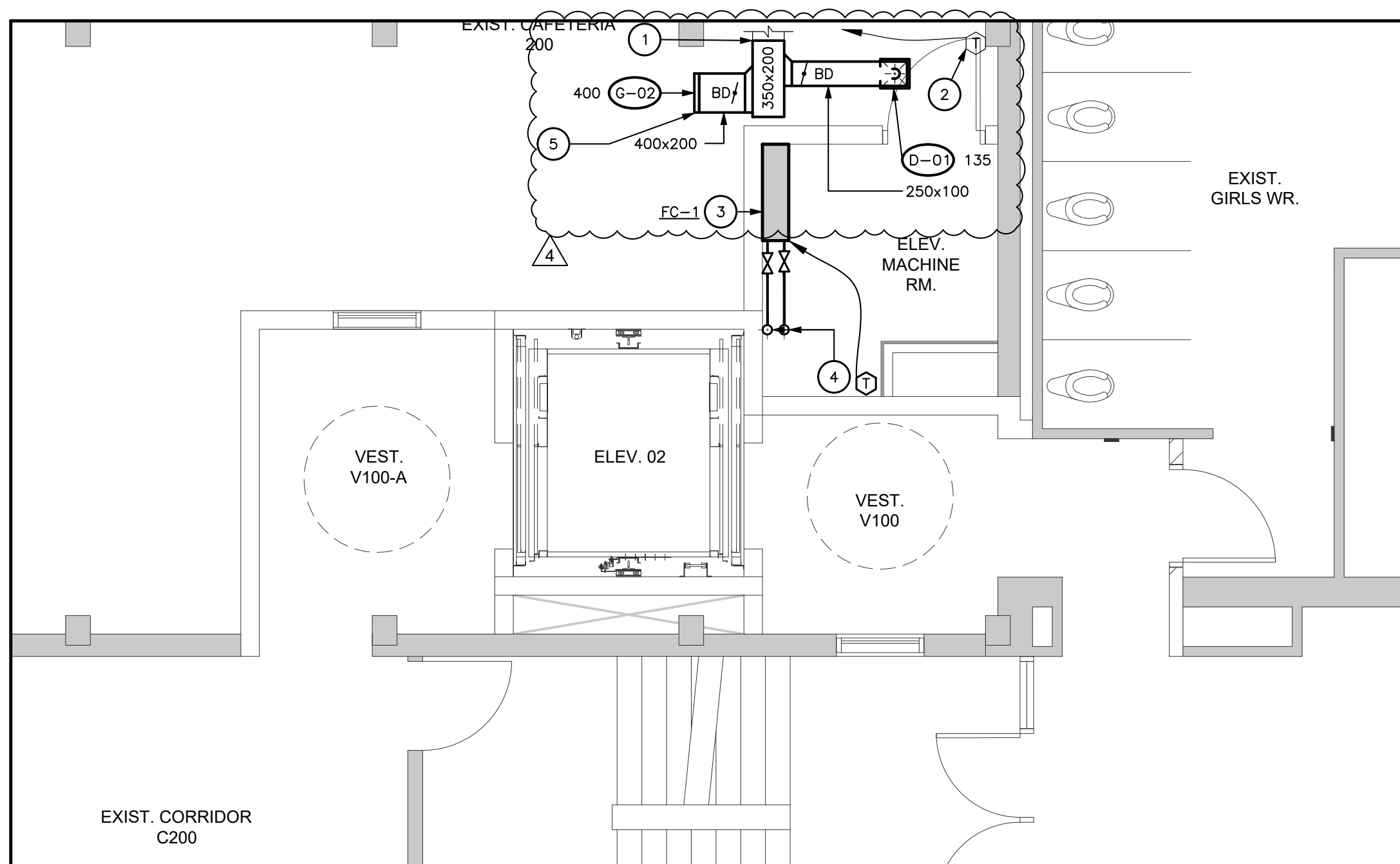
- CAP EXISTING DUCTWORK AS INDICATED. SEAL AND MAKE AIR TIGHT.



4 PARTIAL LEVEL 1 ELEVATOR 01 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

- EXISTING DUCTWORK CONTINUES DOWN TO FLOOR BELOW.
- EXISTING RADIANT HEATER TO REMAIN.
- REFRIGERANT PIPE DROPS DOWN FROM ROOF ABOVE TO LEVEL BELOW CONCEALED WITHIN PURRED OUT WALL.



5 PARTIAL LEVEL 1 ELEVATOR 02 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

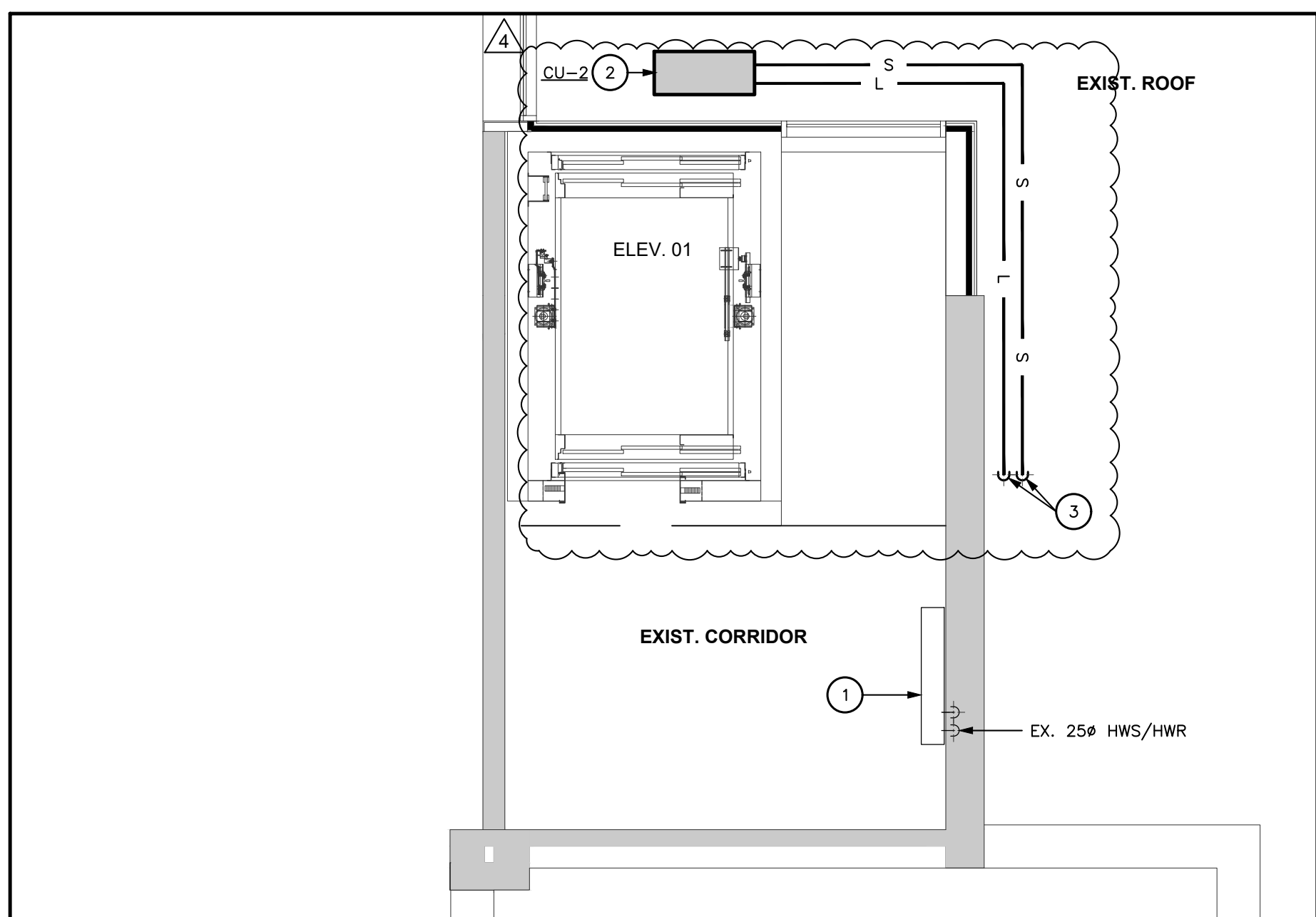
- RELOCATE EXISTING AIR GRILLES TO POSITION INDICATED. PATCH MODIFIED DUCTWORK AND SEAL AIR TIGHT. RE-BALANCE AIRFLOW TO PRE CONSTRUCTION LEVELS.
- EXISTING THERMOSTAT TO REMAIN.
- OUTLINE OF FAN COIL UNIT TO BE SUITABLY SUPPORTED FROM WALL. INSTALL UNIT TO MANUFACTURERS RECOMMENDATION. PROVIDE REFRIGERANT PIPES COORDINATE WITH EQUIPMENT MANUFACTURER FOR PIPE SIZES. EXACT LOCATION TO BE COORDINATED WITH FINAL ELEVATOR MACHINE ROOM LAYOUT.
- RISE REFRIGERANT UP TO ROOF ABOVE.
- INSTALL NEW AIR REGISTER WITHIN EXISTING BULKHEAD. MATCH ELEVATION WITH NEARBY EXISTING REGISTERS.

#### DRAWING NOTES

- OUTLINE OF NEW ROOF MOUNTED EXHAUST FAN ABOVE. INSTALL AS PER MANUFACTURERS INSTRUCTIONS COMPLETE WITH ROOF CURB AND BACK DRAFT DAMPER.
- CAP EXISTING DUCTWORK AND SEAL AIR TIGHT.
- CONNECT TO EXISTING HEATING WATER SUPPLY AND RETURN PIPING AT APPROXIMATE LOCATION.
- INSTALL NEW WALL FIN CONVECTOR COMPLETE WITH CONTROL VALVE. REFER TO MECHANICAL DETAILS FOR PIPING ARRANGEMENTS.
- EXISTING HEATING EQUIPMENT TO REMAIN.
- EXISTING THERMOSTAT TO BE RE-INSTALLED AT NEW LOCATION. EXTEND EXISTING COMPRESSED AIR LINE FROM ORIGINAL THERMOSTAT LOCATION TO RELOCATED POSITION.
- OFFSET HEATING PIPES TO CLEAR NEW DUCTWORK ABOVE.

#### GENERAL NOTES

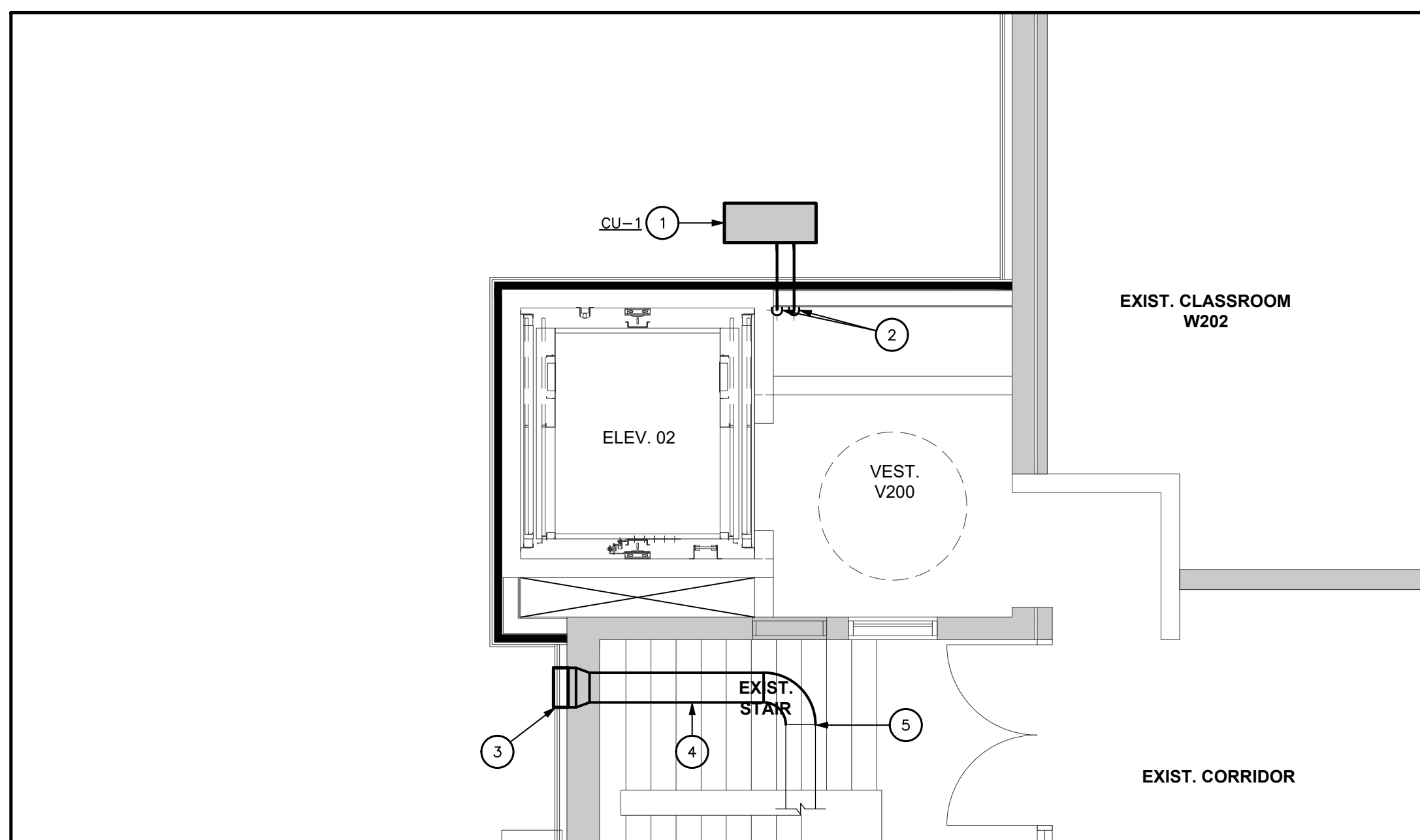
- MINIMUM PIPE SIZE TO BE 20mm (3/4") DIAMETER UNLESS OTHERWISE NOTED.
- ALL PIPING, VALVES AND EQUIPMENT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- CO-ORDINATE PIPE RUNS WITH SHEETMETAL PLUMBING, SPRINKLER AND ELECTRICAL DIVISIONS.
- FOR EXACT LOCATION OF GRILLES AND DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- ALL DUCTWORK AND EQUIPMENT TO BE CONCEALED IN CEILING SPACE UNLESS NOTED OTHERWISE.
- DUCT RUNOUTS TO MATCH GRILLE/DIFFUSER SIZE UNLESS OTHERWISE NOTED.
- DUCTWORK LOCATIONS TO BE FULLY CO-ORDINATED WITH GENERAL PLUMBING, SPRINKLER AND ELECTRICAL CONTRACTORS PRIOR TO FABRICATION OR INSTALLATION.
- FOR DRAWING LEGENDS SEE DRAWING M000.
- READ IN CONJUNCTION WITH SCHEMATICS AND DETAILS.



6 PARTIAL LEVEL 2 ELEVATOR 01 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

- EXISTING RADIANT HEATER TO REMAIN.
- OUTLINE OF CONDENSING UNIT TO BE MOUNTED ON ECO-FOOT SUPPORT KIT TO ACCEPT UNI-STRUTS FRAMING. SUPPORT KIT TO BE MOUNTED ON 450x450 NON-PENETRATIVE 1/4" STAINLESS STEEL BASES AND FINISHED WITH PRE-FORMED BRACKETS. INSTALL CONDENSING UNIT TO MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE REFRIGERANT PIPING AS REQUIRED. COORDINATE WITH EQUIPMENT MANUFACTURER FOR PIPE SIZING. EXACT LOCATION TO BE COORDINATED ON SITE.
- DROP REFRIGERANT PIPING DOWN THROUGH ROOF TO BELOW.



7 PARTIAL LEVEL 2 ELEVATOR 02 - NEW HVAC PLAN  
M300 1:50

#### DRAWING NOTES

- OUTLINE OF CONDENSING UNIT TO BE MOUNTED ON ECO-FOOT SUPPORT KIT TO ACCEPT UNI-STRUTS FRAMING. SUPPORT KIT TO BE MOUNTED ON 450x450 NON-PENETRATIVE 1/4" STAINLESS STEEL BASES AND FINISHED WITH PRE-FORMED BRACKETS. INSTALL CONDENSING UNIT TO MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE REFRIGERANT PIPING AS REQUIRED. COORDINATE WITH EQUIPMENT MANUFACTURER FOR PIPE SIZING.
- DROP REFRIGERANT PIPING DOWN THROUGH ROOF TO BELOW.
- REINSTALL EXISTING LOUVER AT NEW LOCATION. SEAL TO BE WATER TIGHT WITH EXISTING WALL. CONNECT DUCTWORK AND MAKE AIR TIGHT.
- INSTALL NEW DUCTWORK WITH CEILING SPACE CONTRACTOR TO VERIFY DUCT DIMENSION ON SITE AND MATCH NEW TO EXISTING.
- CONNECT TO EXISTING DUCTWORK.

Client  
Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

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RENOVATIONS

1160 Rebecca Street  
Oakville, ON

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Mechanical and Electrical Consultants

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Tel: 905-525-6089



Project North True North

No. Revisions Date

Drawing Title:

LIBRARY WASHROOMS

AND ELEVATORS

NEW HVAC PLANS

Scale: AS NOTED Date: 2025-03-03

Drawn by: JL Checked by: WD

Job No. Drawing No.

ALL-22020201 M300

JOB NAME: TLA BLK/BOOK HIGH SCHOOL RENOVATIONS										ALL 2/20/2020/1				
MECHANICAL SCHEDULE - FANS														
DWG DESIGNATION	SYSTEM AND ROOM	MODEL	FLOW (CFM)	ESP (IN W.G.)	TSP (IN W.G.)	RPM	VFD	WEIGHT LBS	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE				ELECTRICAL WIRING INSTRUCTIONS
										MOTOR W or HP	MCA	MCP	VAC/φ	
EF-1	EXISTING WASHROOMS	GREENHECK GB-10-0	1200	0.25	0.32	867	NO	81	ROOMMOUNTED CENTRAL EXHAUST FAN, COMPLETE WITH GR 18" ROOF CURB, BD-100 EXHAUST DAMPER, NEMA 1 TOGGLE SWITCH, CONDUIT CHASE, JUNCTION BOX MOUNTED AND WIRED, BPO SCREEN	0.25 HP	-	15	1151	DIVISION 16 TO WIRE POWER TO FAN MOUNTED JUNCTION BOX.

JOB NAME		T.A. BLUELOOK HIGH SCHOOL RENOVATIONS										ALL: 2/20/2021		
MECHANICAL SCHEDULE - CONDENSING UNITS														
DWG. DESIGNATION	EVAPORATOR UNIT DESIGNATION	SYSTEM AND ROOM	MODEL	WBHT (LBS)	COOLING				MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE				ELECTRICAL WIRING INSTRUCTIONS
					AMBIENT (F)	CAPACITY (T/SH)	SOUND PRESSURE (VDBA)	EBR		MOTOR (KW)	MCA FLA	MCOP	VACB	
CL1, CL2	FC-1, FC-2	SERVES NEW ELEV. MACHINE ROOM UNIT LOCATED ON ROOF	DAWN RPH16VAVJU	101	115	22	49	12	INTERLOCK WITH FC-1, FC-2. COMPLETE WITH LOW AMBIENT KIT, WIND Baffle AND EGCOPOT BASE FRAME.		14.23	20	208 / 1	DN: 20 TO WIRE CL1 AND CORRESPONDING FC UNIT SCHEDULE THAT BOTH UNITS ARE FED FROM SINGLE BREAKER. ALL CONTROL WIRING BY DW. 25.
NOTE: OPERATING RANGE = COOLING (44F TO 115F) OUTDOOR GAS TEST INITIALS: (44F TO 115F) PASSED START UP AND COMMISSIONING SHALL BE PERFORMED BY THE MANUFACTURER SUPPORTED BY INSTALLING CONTRACTOR UNIT SHALL INCLUDE A MANUFACTURER SUPPLIED SNOW & WIND HODD KIT FOR EACH MODULE														

T.A. BLAKELOCK HIGH SCHOOL RENOVATION															
MECHANICAL SCHEDULE - VRF FAN COILS															
DWG. DESIGNATION	SYSTEM AND ROOM	MODEL	SPEC TYPE	INTEGRATED SYSTEM TAG	MIN	MAX	QA	ESP (IN.W.G)	TOTAL COOLING (MBH)	WEIGHT LBS	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE			
												MCA	MCP	VACIO	
FC-1, FC-2	NEWBLEV MACHINE ROOM	DAIKIN FRP-18A-VU	DK	Q1-1, Q1-2	390	754		18.1	30.5		INTERLOCK WITH Q1-1, Q1-2. COMPLETE WITH THERMOSTAT AND ALL REFRIGERANT PIPING SPECIALTIES. BUILT-IN DAI-KU CP-1 CONDENSATE PUMP	-	0.4	15	208 / 1

JOB NAME		T.A. BLAUROCK HIGH SCHOOL RENOVATIONS										JOB No.		ALL: 2020001		
MECHANICAL SCHEDULE - SUMP PUMPS																
DWG. DESIGNATION	SYSTEM AND ROOM	MANUFACTURER MODEL	SIZE (IN)	FLOW (GPM)	HEAD (FT)	EFF. (%)	VFD	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE						ELECTRICAL INSTRUCTIONS	
									MOTOR W or HP	MCA FLA	MCOIP	VAC/PH	ROOM STARTER TYPE	REMOTE CONTROL DEVICE		DESC. TYPE
SP-1, SP-2	SUMP PUMP - ELEVATOR RT SANITARY	BELL & GOSSETT BLAT200011	-	50	25	NO		SIMPLEX CAST IRON CONSTRUCTION LIFT OFF: 15A CONNECTION TIE IN: PRICE FLOATS, LIFTING CHAINS & CONTROL, PRNG. DOWNS BAGNET 30"X60" REINFORCED FIBERGLASS RT EQUAL TO BARBERS. PROVIDE BASIN RT COVER WITH HINGED ACCESS DOOR & LIFTING HANDLE	1/2 HP	14.5	15	120V1	BC	CONTROLLER	C2	DIV. 28 TO PROVIDE DISCONNECT AND WIRE POWER FEEDER TO PUMP FROM CONTROLLER TO PUMP.

Client  
**Halton District School Board**  
2050 Guelph Line  
Burlington, Ontario

T. A. BLAKELOCK H.S.  
RENOVATIONS

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[illegible]

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:  
**MECHANICAL  
AND ELECTRICAL  
SCHEDULES**

Scale: N.T.S.	Date: 2025-03-03
Drawn by: JL	Checked by: WD
Job No. ALL-22020201	Drawing No. ME100