

**GENERAL ABBREVIATIONS**

A/F/F - ABOVE FINISHED FLOOR  
 A.F. - ABOVE FINISHED  
 AD.J. - ADJUSTABLE  
 ARCH. - ARCHITECTURAL  
 BAR. - BARRIER  
 BB. - BASKETBALL BACKSTOP  
 BD. - BOARD  
 BF. - BARRIER FREE  
 BFF. - BACK FLOW PREVENTER  
 BFS. - BADMINTON FLOOR SOCKET  
 B/N/C. - BULL NOSE CORNER  
 CBS. - CALL BUTTON STATION  
 CCJ. - COMPARTMENT CONTROL JOINT  
 CH. - CABINET HEATER  
 CHB. - CHALK BOARD  
 CH.TBL. - CHANGE TABLE  
 CJ. - CONTROL JOINT  
 CM. - CONTROL MODULE  
 COH. - COAT HOOK  
 COMP. - COMPRESSIBLE  
 CONT. - CONTINUOUS  
 CP. - CONTROL PANEL  
 CV. - CONTROL VALVE  
 CW. - COMPLETE WITH  
 DBL. - DOUBLE  
 DC. - DROPPED CURB  
 DF. - DRINKING FOUNTAIN  
 DWG. - DRAWING  
 DS. - DOWNSPOUT  
 DIST. - DISTANCE  
 DISP. - DISPLAY CASE  
 ECS. - EMERGENCY PUSH BUTTON  
 ELEV. - ELEVATION  
 EPB. - EMERGENCY PUSH BUTTON  
 EW. - EYE WASH STATION  
 EX. - EXISTING  
 EXP. - EXPOSED  
 EXST. - EXISTING  
 FB. - FIRE BLANKET  
 FD. - FLOOR DRAIN  
 FDB. - FOLD DOWN GRAB BAR  
 FDTN. - FOUNDATION  
 F/D/C. - FIRE DEPARTMENT CONNECTION  
 FEC. - FIRE EXTINGUISHER CABINET  
 FE. - FIRE EXTINGUISHER  
 FLEX. - FLEXIBLE  
 FL. - FLOOR  
 FLRNG. - FLOORING  
 FR/R. - FIRE RESISTANCE RATING  
 FS. - FOLD DOWN SHOWER SEAT  
 FG.S. - FOOTINGS  
 F/V. - FIELD VERIFY  
 GALV. - GALVANIZED  
 GB. - GRAB BAR  
 GD. - GARBAGE DISPOSAL  
 GEN. - GENERAL  
 HB. - HOSE BIB  
 HD. - HAND DRYER  
 HD/CP. - HANDICAPPED  
 HO. - HOLD OPEN  
 HORIZ. - HORIZONTAL  
 INSUL. - INSULATION  
 KP. - KEY PAD  
 L. - LOCK  
 M / MIR. - MIRROR  
 MANUF. - MANUFACTURED  
 MAX. - MAXIMUM  
 MECH. - MECHANICAL  
 MIN. - MINIMUM  
 MS. - MOP SINK  
 N/I/C. - NOT IN CONTRACT  
 NO. - NUMBER  
 NTS. - NOT TO SCALE  
 O.H. - OVERHANG  
 O.T.A. - OPEN TO ABOVE  
 PER.(S). - PERIMETER / PERIMETERS  
 PB. - POWER OPERATOR PUSH BUTTON  
 PTD/D. - PAPER TOWEL DISPENSER / DISPOSAL  
 P/I/P. - POURED IN PLACE  
 PRE-FIN. - PRE-FINISHED  
 PRES.TR. - PRESERVATIVE TREATED  
 RCH. - RECESSED CAB HEATER  
 REQ.'D. - REQUIRED  
 R.C.P. - REFLECTED CEILING PLAN  
 REIN. - REINFORCED  
 REF. - REFERENCE  
 RD. - ROOF DRAIN  
 R/A. - ROOM  
 RWL. - RAIN WATER LEADER  
 SCD. - TOILET SEAT COVER DISPENSER  
 SCHEDULES. - SCHEDULES  
 SD. - SCUPPER DRAIN  
 SH. - SOAP HOLDER  
 SHF. - SHELF  
 SND. - SANITARY NAPKIN DISPOSAL  
 SNV. - SANITARY NAPKIN VENDING DISPENSER  
 SPD. - SOAP DISPENSER  
 SPEC'D. - SPECIFIED  
 STRUCT. - STRUCTURAL  
 S/W. - SIDEWALK  
 TB. - TACK BOARD  
 TC. - TEACHER'S CABINET/CLOSET  
 THERM. - THERMAL  
 TM. - TILTED MIRROR  
 TOB. - TOWEL BAR  
 TPD. - TOILET PAPER DISPENSER  
 TYP. - TYPICAL  
 U/C. - UNDER CUT  
 U/S. - UNDERSIDE  
 VAP. - VAPOUR  
 VERT. - VERTICAL  
 VFS. - VOLLEYBALL FLOOR SOCKET  
 VS. - VISION STRIP  
 W. - WITH  
 WB. - WHITE BOARD / MARKER BOARD  
 W.C. - WHEEL CHAIR  
 WR. - WASTE RECEPTACLE  
 WW. - WHITE WALL  
 / - PER  
 % - PERCENT  
 @ - AT  
 o/c. - ON CENTER

**MATERIALS ABBREVIATIONS**

AB. - ARCHITECTURAL BLOCK  
 ACT. - ACOUSTIC CEILING TILE  
 AWP. - ACOUSTIC WALL PANEL  
 AT. - ACOUSTIC TILE  
 AL. - ALUMINIUM  
 AN. - ANODIZED  
 AN(C). - ANODIZED COLOURED  
 B. - BRICK  
 BB. - BOARD & BATTEN  
 BPG. - BACK PAINTED GLASS  
 CAR. - CARPET  
 CB. - CONCRETE BLOCK  
 CBM. - CEMENT BOARD  
 CET / CT. - CERAMIC TILE  
 CTWw. - CERAMIC TILE WET WALL  
 CONC. - CONCRETE  
 C(H). - HARDENED & SEALED CONCRETE  
 C(S). - SEALED CONCRETE  
 C(P). - HARDENED, SEALED & POLISHED CONCRETE  
 EM. - EXPANDED METAL  
 EP. - EPOXY PAINT & PRIMER  
 ESF. - EPOXY SEALED FLOORING  
 ET. - EPOXY TERRAZZO  
 F. - FRETITE GLAZING  
 FT. - FLOCKED TILE (CARPETING)  
 GYP.BD. - GYPSUM BOARD  
 HB. - HARDWOOD  
 GBL. - GLASS BLOCK  
 GBLB. - GLAZED BLOCK  
 GL. - GLAZING / GLASS  
 GWG. - GEORGIAN WIRE GLAZING  
 GYM.MAT. - GYM MAT  
 GMT. - GLASS MOSAIC TILE  
 GB. - GYPSUM BOARD  
 HM. - HOLLOW METAL  
 HARDWD. - HARDWOOD  
 HDG. - HOT DIPPED GALVANIZED  
 L/C/C. - LEAD COATED COPPER  
 LND. - LINOLEUM  
 LVT. - LUXURY VINYL TILE  
 LVP. - LUXURY VINYL PLANK  
 LXD. - LEAD GLAZING  
 MCF. - MELAMINE COMPOSITE PANEL  
 MAR. - MARMOLEUM  
 MAS. - MASONITE  
 MS. - MASONRY  
 MTL. - METAL  
 MW. - MOVEABLE WALL SYSTEM  
 NAT. - NATURAL - EXPOSED  
 PB. - PARTICLE BOARD  
 PC. - PRECAST CONCRETE  
 P / PTD. - PAINTED  
 PF. - PREFINISHED  
 PL. - PLASTER  
 PLAM. - PLASTIC LAMINATE  
 PLYWD. - PLYWOOD  
 PSP. - PERCED STEEL PLANKING  
 PT. - PORCELAIN TILE  
 PQF. - PARQUET FLOORING  
 QT. - QUARRY TILE  
 R. - RUBBER  
 RB. - RUBBER BASE  
 RSF. - RESILIENT SHEET FLOORING  
 S. - STONE  
 SAFF. - SAFETY FLOORING  
 SC. - SPECIAL COATING  
 SF. - SPORTS FLOORING  
 SG. - LAMINATED SAFETY GLASS  
 SGL. - SPANDREL GLAZING  
 SHV. - SHEET VINYL FLOORING  
 SS. - SOLID SURFACE  
 SPC. - SPECIAL COATING  
 ST. - STUCCO  
 STL. - STEEL  
 O.H. - OVERHANG  
 S/S. - STAINLESS STEEL  
 ST.STL. - STAINLESS STEEL  
 S&V. - STAINED & VARNISHED  
 T. - TEMPERED GLAZING / GLASS  
 TDG. - TEMPERED DOUBLE GLAZING / GLASS  
 TBB. - TILE BACKER BOARD  
 TECTUM. - TECTUM ACOUSTIC PANEL  
 TERR. - TERRAZZO  
 T.S. - TOP SOIL  
 TURF. - ARTIFICIAL TURF  
 U. - POLYURETHANE  
 V. - VINYL COATED GYPSUM BOARD  
 VCGB. - VENEER CORE PLYWOOD  
 VCP. - VENEER CORE PLYWOOD  
 VCT. - VINYL COMPOSITE TILE  
 R/A. - ROOM  
 VVF. - VINYL PLANK FLOORING  
 VR. - VENTED RUBBER BASE  
 WD. - WOOD  
 WP. - WATER PROOFING

**ARCHITECTURAL**

A0.0 COVER  
 A0.1 WALL FLOOR, ROOF SCHEDULES  
 A0.2 LIFE SAFETY PLAN 1906 LEVEL 1  
 A0.3 LIFE SAFETY PLAN 1962 LEVEL 1 & 1906 LEVEL 2  
 A0.4 LIFE SAFETY PLAN 1962 LEVEL 2 & 1906 LEVEL 3  
 A1 EXISTING SITE PLAN  
 A1.0 SITE PLAN - DEMO.  
 A1.1 SITE PLAN - RENOVATION  
 A1.2 TEMPORARY SITE PLAN - DURING CONSTRUCTION  
 A2.1 1905 LEVEL 1 FLOOR PLAN  
 A2.2 1962 LEVEL 1 & 1905 LEVEL 2 FLOOR PLAN  
 A2.3 1962 LEVEL 2 & 1905 LEVEL 3 FLOOR PLAN  
 A2.4 ROOF PLAN  
 A3.1 ELEVATIONS  
 A4.01 BUILDING SECTIONS  
 A4.02 BUILDING SECTIONS  
 A4.10 WALL SECTION & DETAILS  
 A4.11 WALL SECTION & DETAILS  
 A4.12 WALL SECTION & DETAILS  
 A4.13 WALL SECTION & DETAILS  
 A4.14 WALL SECTION & DETAILS  
 A4.15 WALL SECTION & DETAILS  
 A4.16 PLAN SECTION DETAILS  
 A4.17 STANDARD DETAILS  
 A5.1 STAIR AND RAMP PLAN DETAILS  
 A5.2 STAIR AND RAMP SECTION DETAILS  
 A5.3 STAIR AND RAMP SECTION DETAILS  
 A6.1 REFLECTED CEILING PLANS  
 A7.1 BARRIER FREE WASHROOM DETAILS  
 A8.1 DOOR & CURTAINWALL SCHEDULE  
 A8.2 DOOR & SCREEN DETAILS  
 D2.0 LEVEL 1 1905 DEMOLITION PLAN  
 D2.1 DEMOLITION PLANS  
 D2.2 DEMOLITION PLANS  
 D4.0 DEMOLITION SECTION  
 D4.1 DEMOLITION SECTION  
 D6.1 DEMOLITION REFLECTED CEILING PLAN

**MECHANICAL**

M1.1 LEGEND, SCHEDULES, AND KEY PLANS  
 M1.2 PARTIAL DEMOLITION AND RENOVATION PLANS  
 M1.3 PARTIAL RENOVATION PLANS  
 M1.4 PARTIAL RENOVATION PLAN  
 M1.5 PARTIAL RENOVATION PLANS  
 M1.6 PARTIAL ROOF PLANS AND DETAILS  
 M1.7 DETAILS  
 M1.8 KEY PLAN, PART DEMO AND RENO PLANS (CASH ALLOWANCE)

**ELECTRICAL**

E1.1 LEGEND, SCHEDULES, AND KEY PLANS  
 E1.2 DETAILS AND SCHEDULES  
 E2.1 DEMOLITION PLANS  
 E3.1 RENOVATION PLANS  
 E3.2 RENOVATIONS PLANS  
 E3.3 RENOVATIONS PLANS  
 E4.1 DISTRIBUTION RISER DIAGRAM AND PANEL SCHEDULES  
 E5.1 FIRE ALARM RISER AND PASSIVE GRAPHIC

**STRUCTURAL**

S1.1 STRUCTURAL NOTES  
 S1.2 STRUCTURAL NOTES, SCHEDULES AND DETAILS  
 S1.3 STANDARD DETAILS  
 S2.0 FOUNDATION AND LEVEL 1 FLOOR FRAMING PLANS  
 S2.1 LEVEL 2 & 3 FLOOR FRAMING PLANS  
 S2.2 ROOF FRAMING PLANS  
 S3.1 STRUCTURAL DETAILS  
 S3.2 STRUCTURAL DETAILS



**Revision Schedule**

Particular	Date	No.
ISSUED FOR COORDINATION	03/06/2023	1
ISSUED FOR 98% SET PERMIT	11/29/2022	2
ISSUED FOR TENDER & PERMIT	04/05/2023	3

ALL DIMENSIONS MARKED TO AND FROM EXISTING BUILDING ELEMENTS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE BEFORE CONSTRUCTION STARTS.

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MEASURE AND CONFIRM NEW DOORS, WINDOWS, CURTAINWALLS AND SCREENS OPENINGS REQUIRED FOR THIS RENOVATION BEFORE ORDERING AND ASSEMBLING

All dimensions and measurements must be checked and verified by the General Contractor without written permission of the Ventin Group.



**CLIENT**  
 WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**+VVG ARCHITECTS**  
 THE VENTIN GROUP LTD



**CLIENT:**  
**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 ARDELT AVENUE,  
 KITCHENER, ONTARIO  
 N2C 2R5

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**MECHANICAL / ELECTRICAL  
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 www.delassociates.ca

Autodesk Docs://King Edward Elevator/King Edward PS - 2022.05.27.rvt

**A0.0**



**LIFE SAFETY LEGENDS**

- ▲ HOLD-OPEN DEVICES
- ⊗ EXIT LIGHTING
- ⊕ EMERGENCY LIGHTING
- EXIT 4 EXIT NUMBER
- 60—60— 1 HR. FIRE SEPARATION RATING
- ← TRAVEL DISTANCE IN METERS
- ← EXIT LIGHT W/ DIRECTIONAL ARROW  
COORD W/ ELECT DWGS
- ▲ EXIT DOORS
- ⊕ POWER DOOR OPERATOR
- BF PUSH BUTTON FOR POWER DOOR OPERATOR
- FE / ○ FE C FIRE EXTINGUISHER / FIRE EXTINGUISHER & CABINET  
(150mm MAX. A/F/F TO TOP OF EXTINGUISHER FOR UNDER 18KG'S)  
(1100mm MAX A/F/F TO TOP OF EXTINGUISHER OVER 18KG'S NOT EQUIP'D W/ WHEELS)  
VERIFY W/ LOCAL AUTHORITIES)

**CONCERNING EXTENT OF FIRE STOPPING:**  
ALL PARTITIONS FORMING PART OF A FIRE SEPARATION SHALL BE COMPLETELY FIRE STOPPED & SMOKE SEALED. THIS INCLUDES ALL CORRIDOR WALLS AS WELL AS THE RATED FIRE SEPARATIONS NOTED ABOVE INCLUDING 0 HR. FIRE SEPARATION RATINGS. ALL OTHER FULL HEIGHT PARTITIONS NEED NOT BE FIRE STOPPED BUT SHALL HAVE MINERAL WOOL TIGHTLY PACKED. THIS INCLUDES ALL (FULL HEIGHT) MASONRY AND GYPSUM BOARD WALLS. INCLUDE FIRE STOPPING IN ROOF STRUCTURE.

COORD. W/ A4 DWG. S FOR TYPICAL FIRE STOPPING & ACOUSTICAL SEALING DETAILS.

**THESE DRAWINGS MUST BE REFERRED TO FOR LOCATIONS OF REQUIRED FIRE SEPARATIONS & REFER TO A4 SERIES DRAWINGS FOR TYPICAL FIRE AND SOUND STOPPING DETAILS. GENERAL CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND ALLOW FOR ANY EXTRA REQUIRED FIRE DAMPERS NOT SHOWN FOR NOTED FIRE SEPARATION REQUIREMENTS.**

**IF** APPLY INTUMESCENT FIREPROOFING WITH COLOUR TOP COAT FINISH TO EXPOSED SECTIONS OF THE STEEL LINTELS SUPPORTING OPENINGS IN LOAD BEARING WALLS OVER 2000mm WIDE OR OPENINGS IN NON-LOAD BEARING WALLS OVER 3000mm WIDE. REFER TO O.B.C. SECTION 3.2.2.3  
SECTIONS OF THESE LINTELS THAT ARE NOT WHOLLY OR PARTIALLY EXPOSED THAT FALL IN THE SAME CATEGORY AS MENTIONED ABOVE SHALL BE COVERED WITH SOLID CONCRETE BLOCK OR SPRAY-ON FIRE PROOFING.

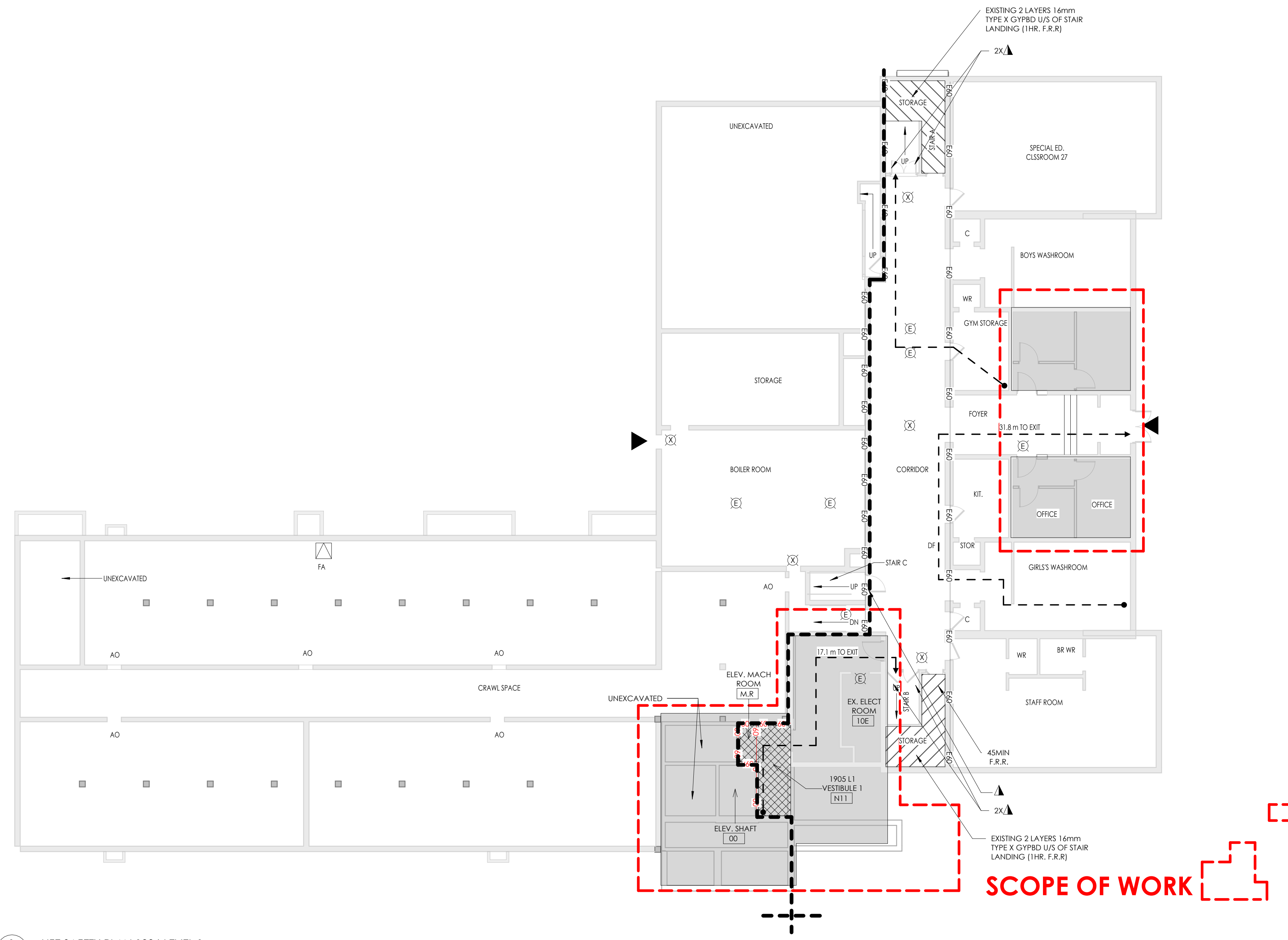
- NOTES**
- MIN. HEADRM. CLEARANCE 2.1m IN EVERY ACCESS TO EXIT REQ'D 3.3.1.8
  - COORDINATE ALL NEW EXIT LIGHT LOCATIONS WITH ELECTRICAL DRAWINGS.

**HATCH IDENTIFICATION MARKER LEGEND**

- ▨ EXTENTS OF 1HR. FLOOR ASSEMBLY RATING  
COORD. W/ OBC MATRIX FOR ASSEMBLY RATING DESIGN

**ABBREVIATION**

AO	ACCESS OPENING
BPWR	BARREER FREE WASHROOM
C	CUSTODIAN
DF	DRINKING FOUNTAIN
FA	FLOOR ACCESS
EL	ELECTRICAL ROOM
KIT	KITCHEN
STOR	STORAGE
WR	WASHROOM
GUID	GUIDANCE



1 LIFE SAFETY PLAN 1906 LEVEL 1  
A0.2  
0 500 1000 2000mm (1 : 150)

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WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**V+G ARCHITECTS**  
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**A0.2**

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LIFE SAFETY PLAN 1906 LEVEL 1  
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**LIFE SAFETY LEGENDS**

- HOLD-OPEN DEVICES
- EXIT LIGHTING
- EMERGENCY LIGHTING
- EXIT NUMBER
- 1 HR. FIRE SEPARATION RATING
- TRAVEL DISTANCE IN METERS
- EXIT LIGHT W/ DIRECTIONAL ARROW  
COORD. W/ ELECT DWGS
- EXIT DOORS
- POWER DOOR OPERATOR
- PUSH BUTTON FOR POWER DOOR OPERATOR
- FIRE EXTINGUISHER / FIRE EXTINGUISHER & CABINET  
(150mm MAX. AFF TO TOP OF EXTINGUISHER FOR UNDER 18KG'S)  
(1100mm MAX AFF TO TOP OF EXTINGUISHER OVER 18KG'S, NOT EQUIP. D W/ WHEELS)  
VERIFY W/ LOCAL AUTHORITIES)

**CONCERNING EXTENT OF FIRE STOPPING:**  
ALL PARTITIONS FORMING PART OF A FIRE SEPARATION SHALL BE COMPLETELY FIRE STOPPED & SMOKE SEALED. THIS INCLUDES ALL CORRIDOR WALLS AS WELL AS THE RATED FIRE SEPARATIONS NOTED ABOVE INCLUDING D.H. FIRE SEPARATION RATINGS. ALL OTHER FULL HEIGHT PARTITIONS NEED NOT BE FIRE STOPPED BUT SHALL HAVE MINERAL WOOL TIGHTLY PACKED. THIS INCLUDES ALL (FULL HEIGHT) MASONRY AND GYPSUM BOARD WALLS. INCLUDE FIRE STOPPING IN ROOF STRUCTURE.

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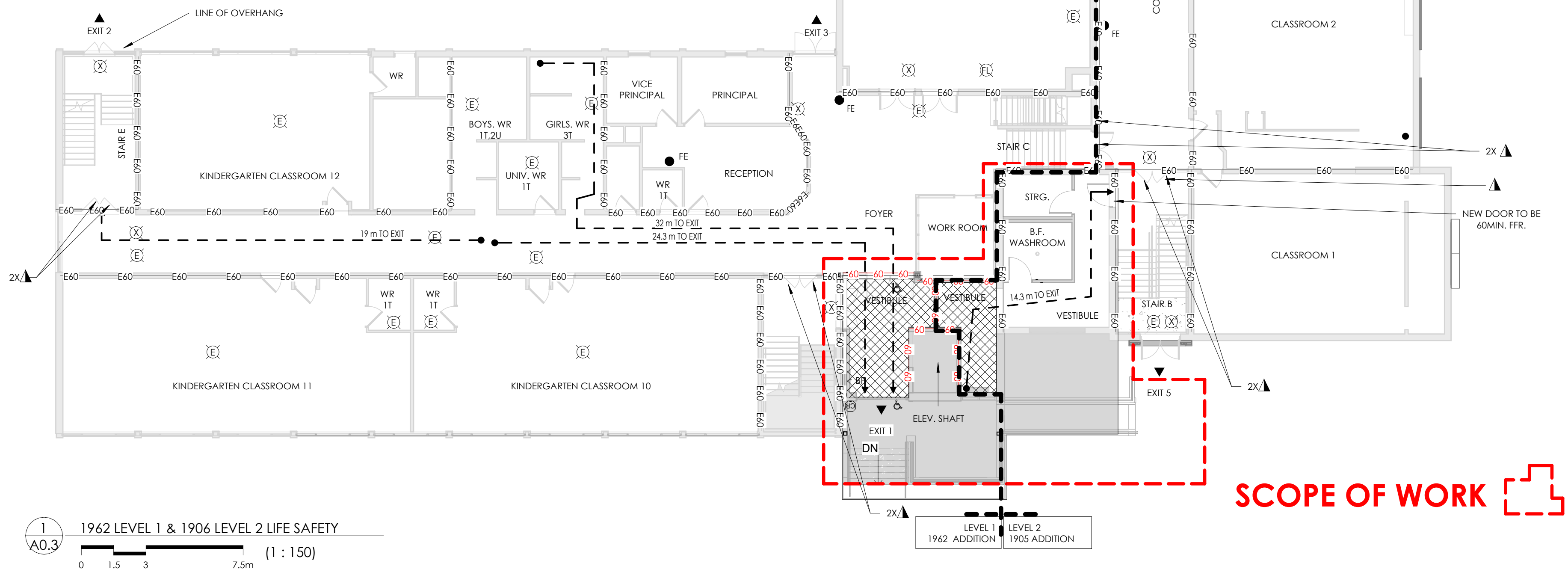
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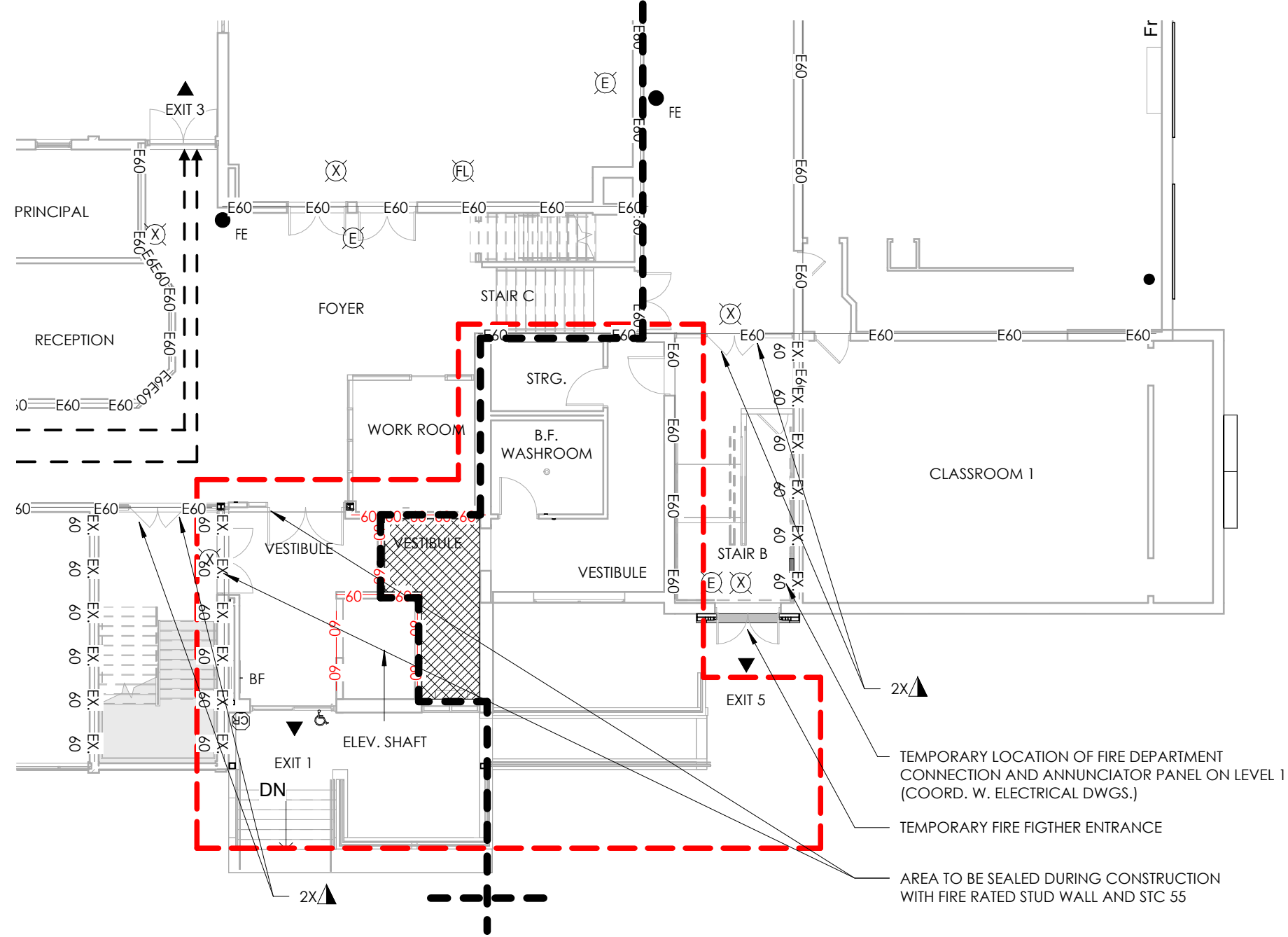
**HATCH IDENTIFICATION MARKER LEGEND**

- EXTENTS OF 1HR. FLOOR ASSEMBLY RATING  
COORD. W/ OBC MATRIX FOR ASSEMBLY RATING DESIGN

- ABBREVIATION**
- AO ACCESS OPENING
  - BPWR BARRIERS FREE WASHROOM
  - C CUSTODIAN
  - DF DRINKING FOUNTAIN
  - FA FLOOR ACCESS
  - EL ELECTRICAL ROOM
  - KIT KITCHEN
  - STOR STORAGE
  - WR WASHROOM
  - GUID GUIDANCE



1 1962 LEVEL 1 & 1906 LEVEL 2 LIFE SAFETY  
A0.3 (1 : 150)



2 1962 LEVEL 1 & 1906 LEVEL 2 LIFE SAFETY - DURING CONSTRUCTION  
A0.3 (1 : 150)

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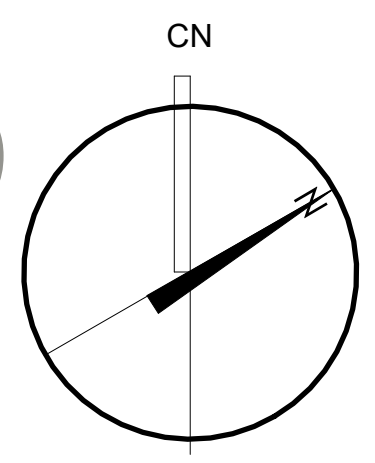
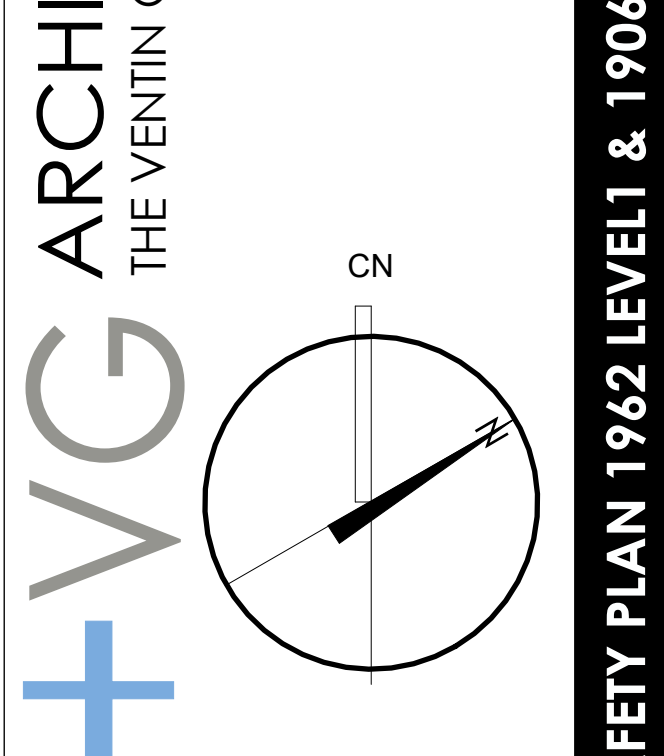
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






ORIGINAL PAGE SIZE ARCH D - 24" X 36"



LIFE SAFETY PLAN 1962 LEVEL 1 & 1906 LEVEL 2

A0.3

**LIFE SAFETY LEGENDS**

-  HOLD-OPEN DEVICES
-  EXIT LIGHTING
-  EMERGENCY LIGHTING
-  EXIT NUMBER
-  1 HR. FIRE SEPARATION RATING
-  TRAVEL DISTANCE IN METERS
-  EXIT LIGHT W/ DIRECTIONAL ARROW  
COORD W/ ELECT DWGS
-  EXIT DOORS
-  POWER DOOR OPERATOR
-  PUSH BUTTON FOR POWER DOOR OPERATOR
-  FIRE EXTINGUISHER / FIRE EXTINGUISHER & CABINET  
(1500mm MAX. AFF/F TO TOP OF EXTINGUISHER FOR UNDER  
18KG'S)  
(1100mm MAX AFF/F TO TOP OF EXTINGUISHER OVER 18KG'S NOT  
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ALL PARTITIONS FORMING PART OF A FIRE SEPARATION SHALL BE COMPLETELY FIRE STOPPED & SMOKE SEALED. THIS INCLUDES ALL CORRIDOR WALLS AS WELL AS THE RATED FIRE SEPARATIONS NOTED ABOVE INCLUDING 0 HR. FIRE SEPARATION RATINGS. ALL OTHER FULL HEIGHT PARTITIONS NEED NOT BE FIRE STOPPED BUT SHALL HAVE MINERAL WOOL TIGHTLY PACKED. THIS INCLUDES ALL (FULL HEIGHT) MASONRY AND GYPSUM BOARD WALLS. INCLUDE FIRE STOPPING IN ROOF STRUCTURE.


COORD. W/ A4 DWG.'S FOR TYPICAL FIRE STOPPING & ACOUSTICAL SEALING DETAILS.  
**THESE DRAWINGS MUST BE REFERRED TO FOR LOCATIONS OF REQUIRED FIRE SEPARATIONS & REFER TO A4 SERIES DRAWINGS FOR TYPICAL FIRE AND SOUND STOPPING DETAILS. GENERAL CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND ALLOW FOR ANY EXTRA REQUIRED FIRE DAMPERS NOT SHOWN FOR NOTED FIRE SEPARATION REQUIREMENTS.**

**IF** APPLY INTUMESCENT FIREPROOFING WITH COLOUR TOP COAT FINISH TO EXPOSED SECTIONS OF THE STEEL LINTELS SUPPORTING OPENINGS IN LOAD BEARING WALLS OVER 2000mm WIDE OR OPENINGS IN NON-LOAD BEARING WALLS OVER 3000mm WIDE. REFER TO O.B.C. SECTION 3.2.2.3  
SECTIONS OF THESE LINTELS THAT ARE NOT WHOLLY OR PARTIALLY EXPOSED THAT FALL IN THE SAME CATEGORY AS MENTIONED ABOVE SHALL BE COVERED WITH SOLID CONCRETE BLOCK OR SPRAY-ON FIRE PROOFING.

**NOTES**

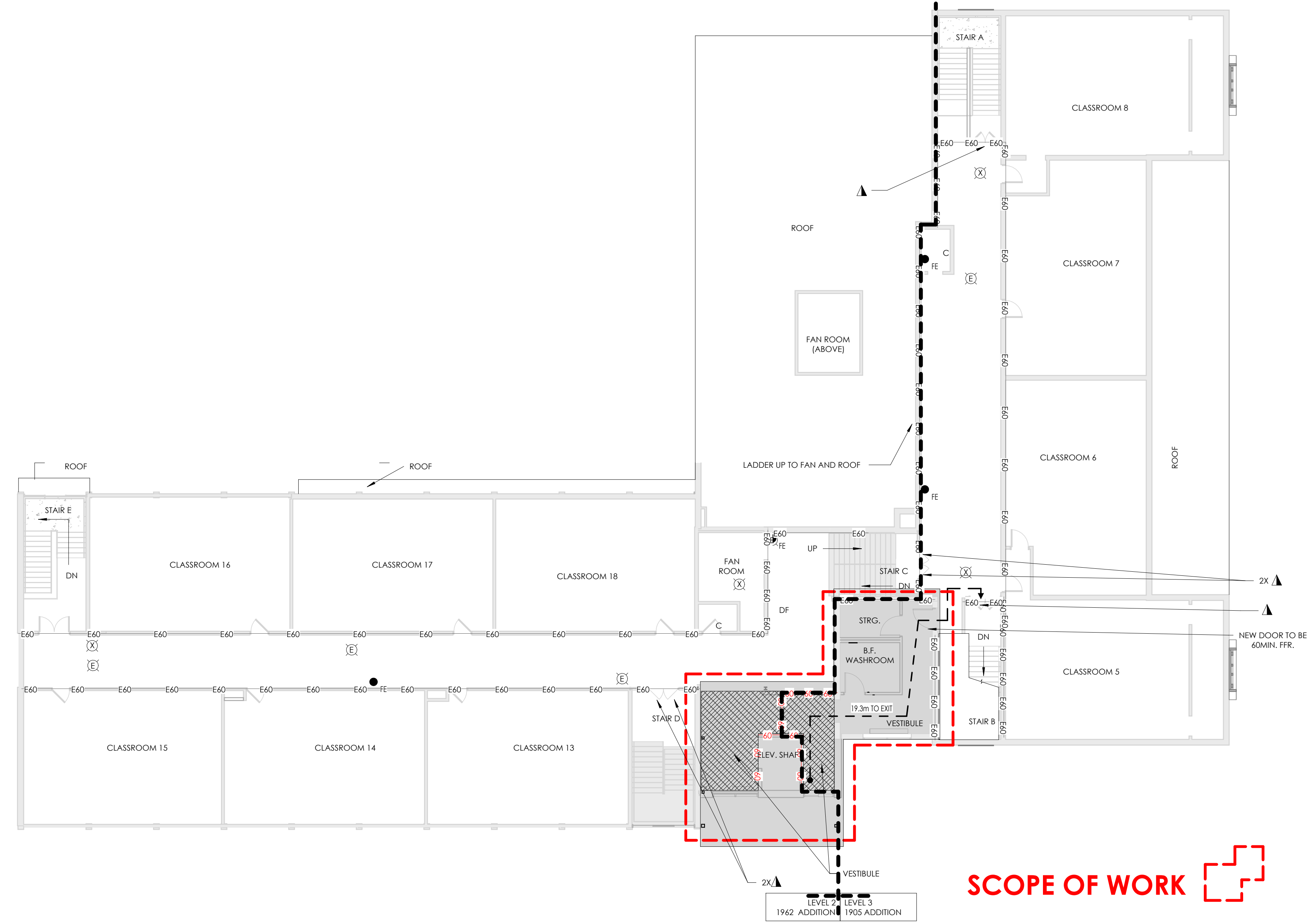
- MIN. HEADRM. CLEARANCE 2.1m IN EVERY ACCESS TO EXIT REQ'D 3.3.1.8
- COORDINATE ALL NEW EXIT LIGHT LOCATIONS WITH ELECTRICAL DRAWINGS.

**HATCH IDENTIFICATION MARKER LEGEND**

-  EXTENTS OF 1HR. FLOOR ASSEMBLY RATING  
COORD. W/ OBC MATRIX FOR ASSEMBLY RATING DESIGN

**ABBREVIATION**

AO	ACCESS OPENING
BPWR	BARREER FREE WASHROOM
C	CUSTODIAN
DF	DRINKING FOUNTAIN
FA	FLOOR ACCESS
EL	ELECTRICAL ROOM
KIT	KITCHEN
STOR	STORAGE
WR	WASHROOM
GUID	GUIDANCE



1962 LEVEL 2 & 1906 LEVEL 3 FLOOR PLAN LIFE SAFETY  
A0.4 (1 : 150)

**Revision Schedule**

Particular	Date	No.
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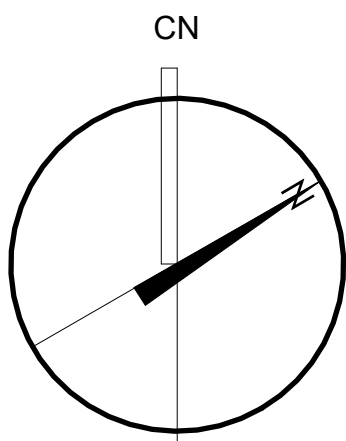


**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**V+VG ARCHITECTS**  
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**LIFE SAFETY PLAN 1962 LEVEL 2 & 1906 LEVEL 3**

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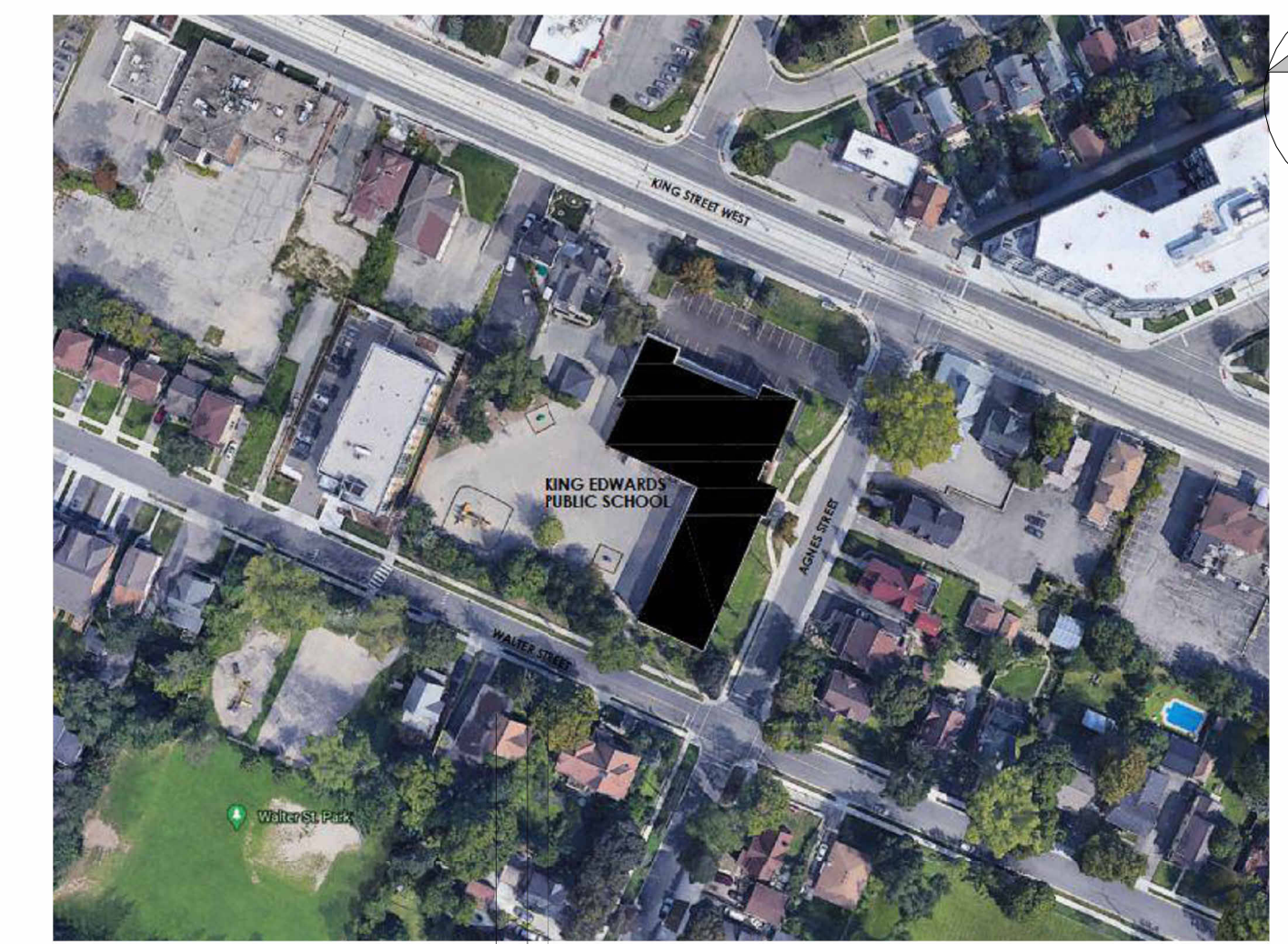
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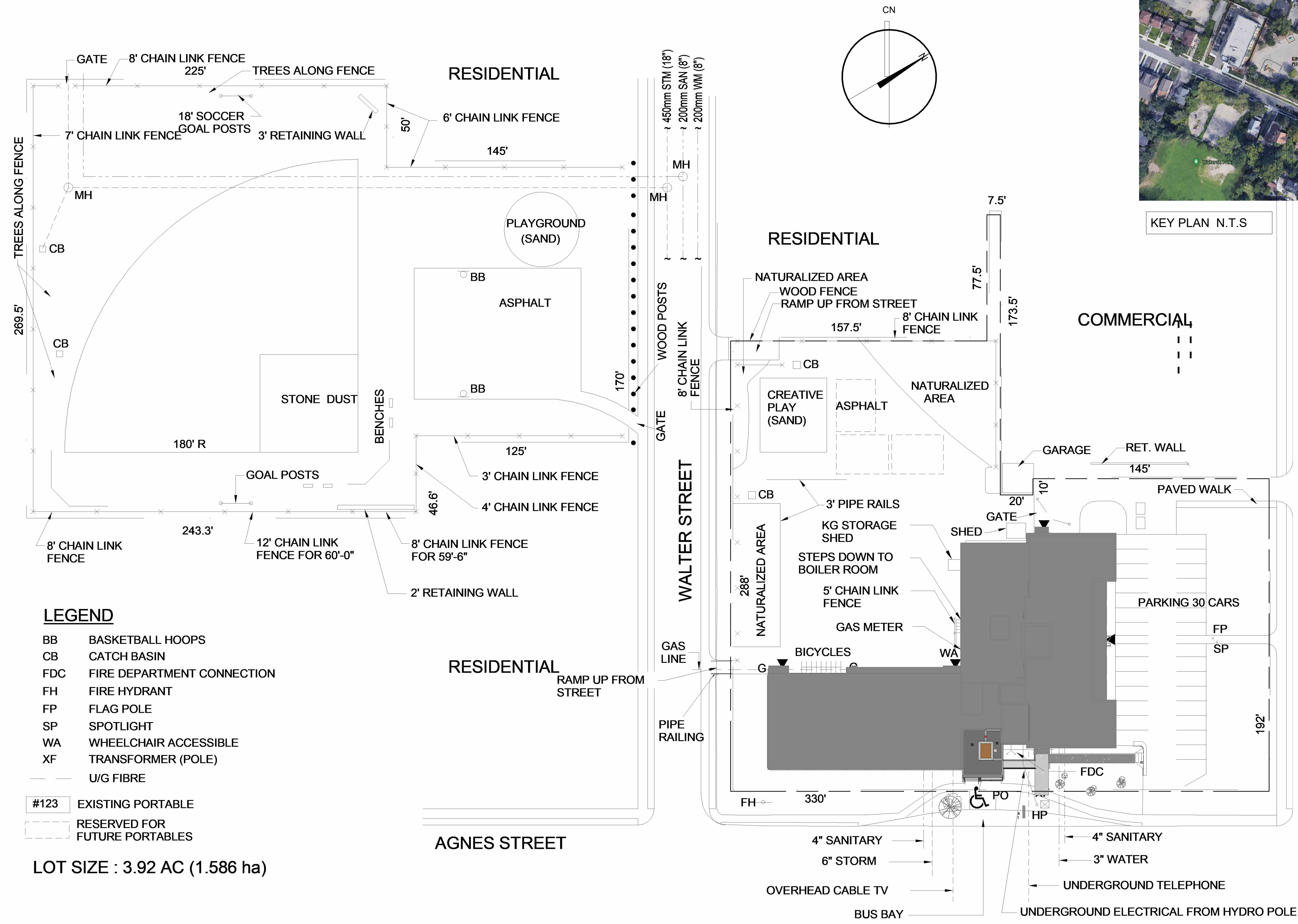
**SITE PLAN PROVIDED FOR REFERENCE ONLY**

**EXISTING SITE PLAN**

**A1**



KEY PLAN N.T.S



**LEGEND**

- BB BASKETBALL HOOPS
- CB CATCH BASIN
- FDC FIRE DEPARTMENT CONNECTION
- FH FIRE HYDRANT
- FP FLAG POLE
- SP SPOTLIGHT
- WA WHEELCHAIR ACCESSIBLE
- XF TRANSFORMER (POLE)
- U/G FIBRE

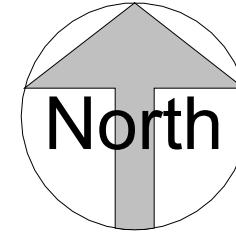
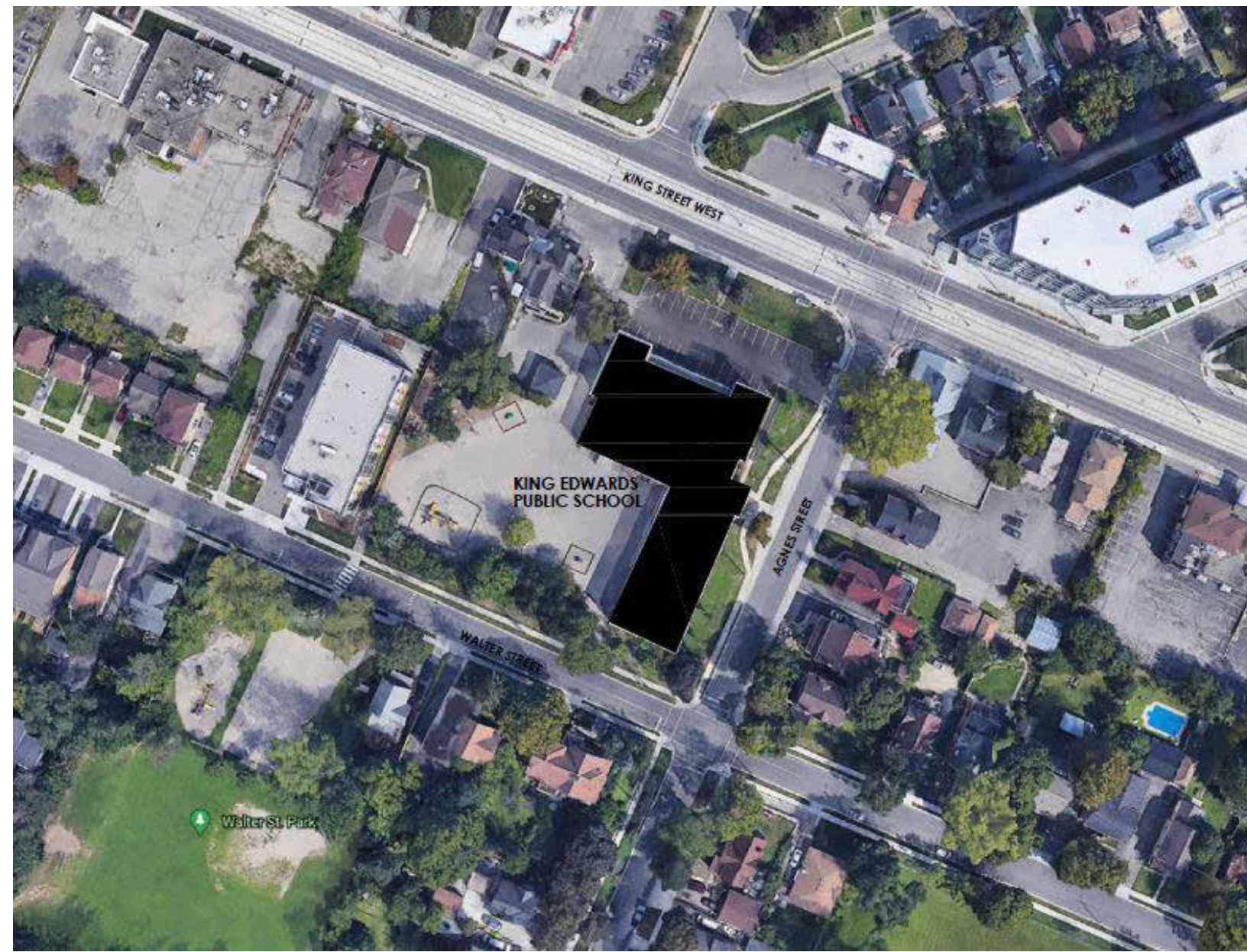
- #123 EXISTING PORTABLE
- RESERVED FOR FUTURE PORTABLES

LOT SIZE : 3.92 AC (1.586 ha)

**1 GENERAL SITE PLAN**

1 : 400

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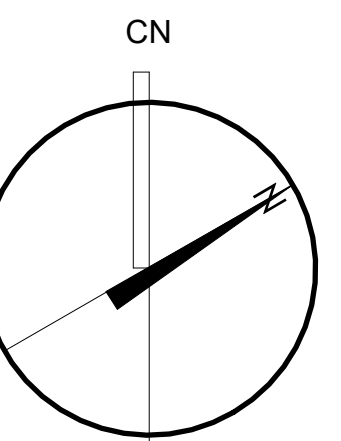


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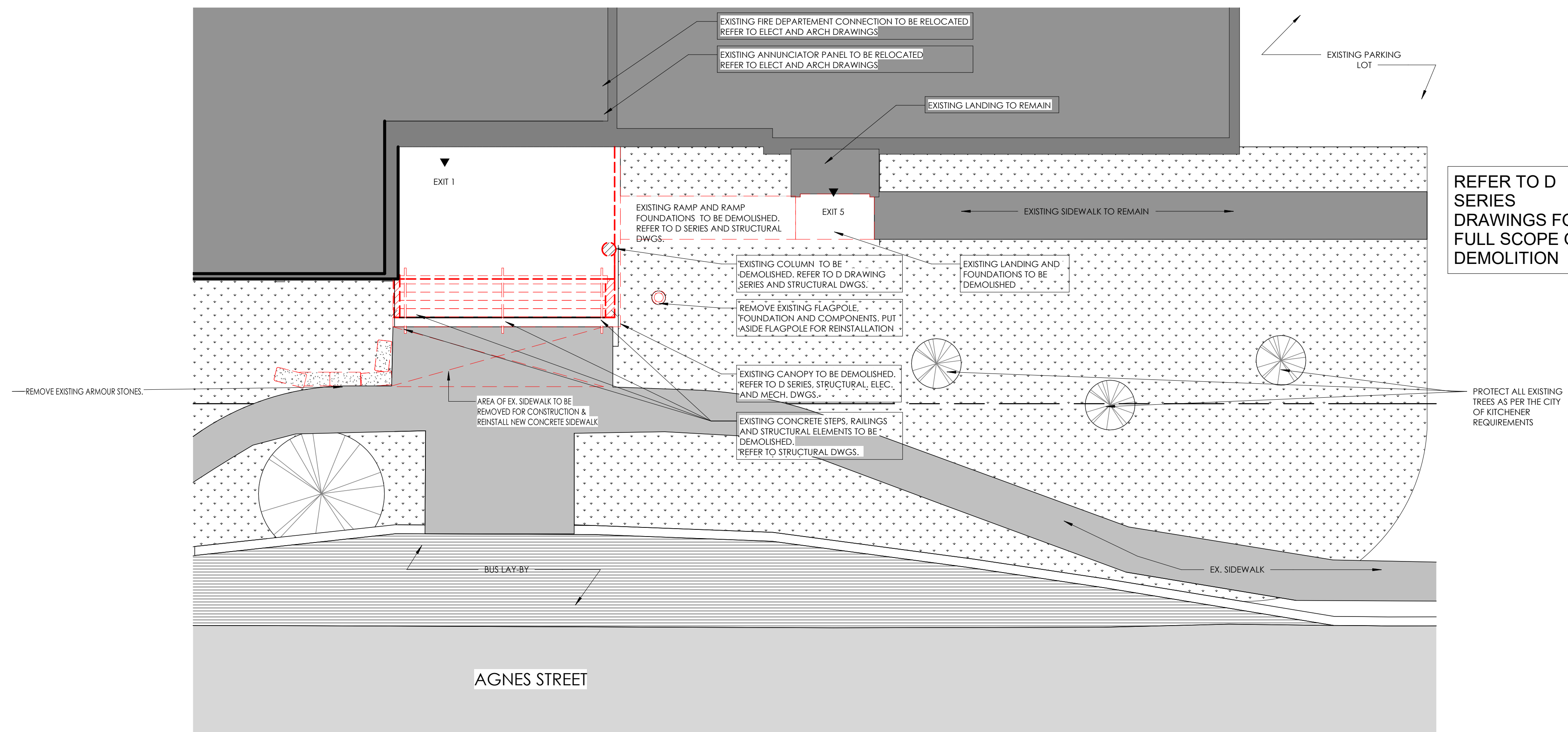
**VG ARCHITECTS**  
 THE VENLIN GROUP LTD



SITE PLAN - DEMO.

A1.0

Drawn by : AM/LI Checked by : Scale : As indicated



REFER TO D SERIES DRAWINGS FOR FULL SCOPE OF DEMOLITION

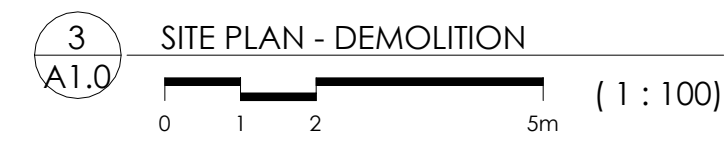
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**BARRIER-FREE DOORS & DOORWAYS:**  
 OBC 3.8.3.3 - DIMENSIONS: EVERY DOORWAY THAT IS LOCATED IN A BARRIER-FREE PATH OF TRAVEL SHALL HAVE A MINIMUM CLEAR WIDTH OF NOT LESS THAN 860mm WHEN THE DOOR IS IN THE OPEN POSITION (PROVIDE STD. DOOR LEAF OF NOT LESS THAN 1020mm, SMALLER WHERE NOT APPL). UNLESS EQUIPPED W/ A POWER DOOR OPERATOR, A DOOR IN A BARRIER-FREE PATH OF TRAVEL SHALL HAVE A CLEAR SPACE ON THE LATCH SIDE EXTENDING THE HEIGHT OF THE DOORWAY & NOT LESS THAN 650mm BEYOND THE EDGE OF THE DOOR OPENING IF THE DOOR SWINGS TOWARD THE APPROACH SIDE & 350mm BEYOND THE EDGE IF THE DOOR SWINGS AWAY FROM THE APPROACH SIDE.

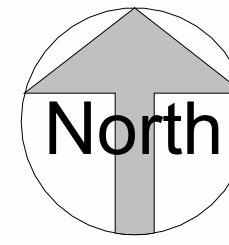
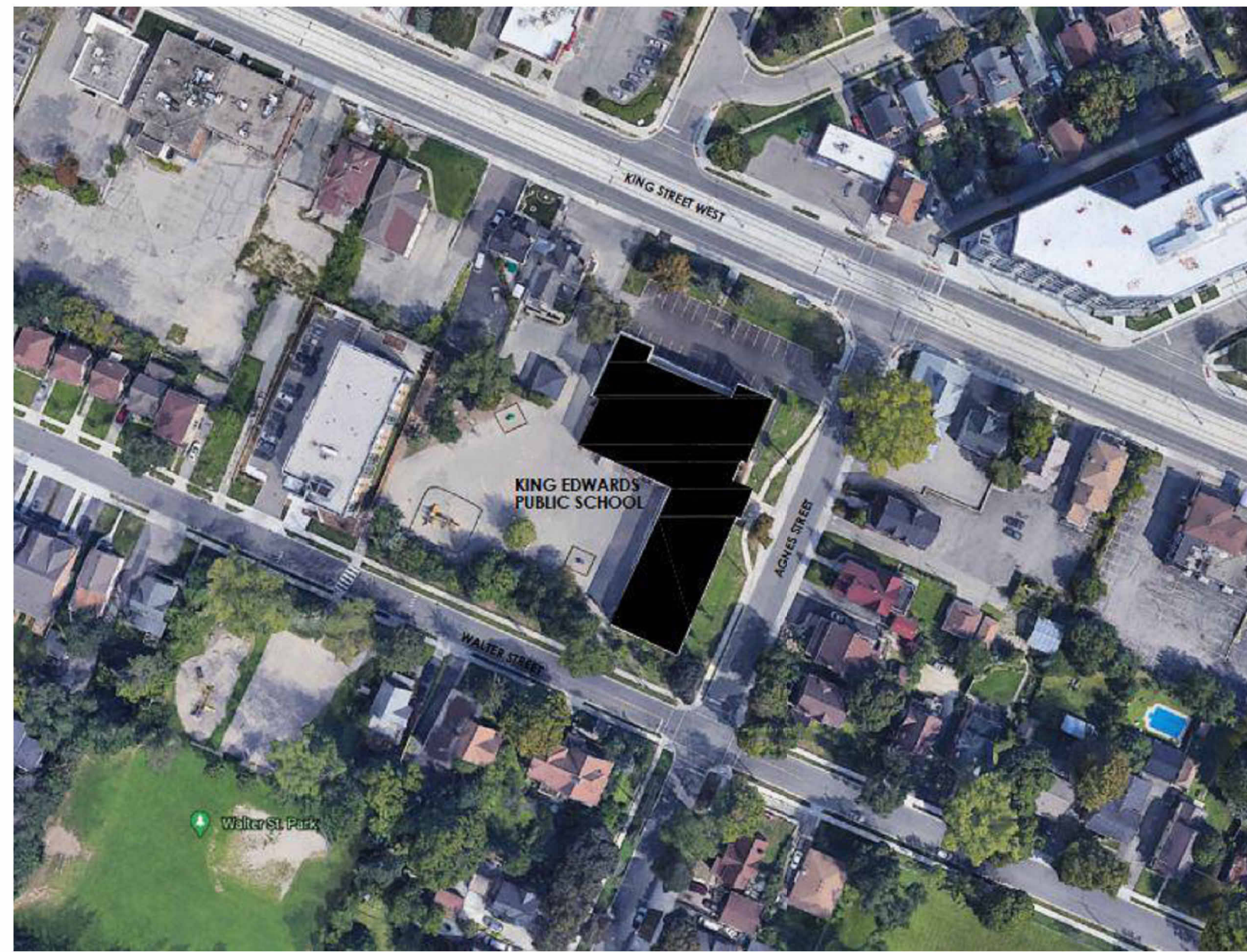
**POWER DOOR OPERATORS:**  
 EVERY DOOR THAT PROVIDES A BARRIER-FREE PATH OF TRAVEL THROUGH AN ENTRANCE SHALL BE EQUIPPED W/ A POWER DOOR OPERATOR. WHERE AN ENTRANCE INCORPORATES A VESTIBULE, A DOOR LEADING FROM THE VESTIBULE INTO THE FLOOR AREA SHALL BE EQUIPPED W/ A POWER DOOR OPERATOR.  
 THE CONTROL FOR A POWER DOOR OPERATOR SHALL HAVE NO FACE DIMENSION LESS THAN 150mm DIAMETER, 50 mm BY 100 MM IF RECTANGULAR, HAVE ITS CENTER LOCATED NO LESS THAN 900 mm A/F/F AND NO MORE THAN 1100mm A/F/F. BE LOCATED NOT LESS THAN 600mm MIN. & NOT MORE THAN 1500mm BEYOND THE DOOR SWING WHERE THE DOOR OPENS TOWARDS THE CONTROL & CONTAIN THE SIGN INCORPORATING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHEN THE DOOR OPENS INTO THE ADJACENT ROOM, THE CONTROL ON THAT SIDE OF THE DOOR SHALL BE LOCATED NOT LESS THAN 310mm FROM THE DOOR FRAME TO THE CLOSEST EDGE OF THE BOTTOM.  
 DOOR OPENING DEVICES THAT ARE THE ONLY MEANS OF OPERATION SHALL BE OF A DESIGN THAT DOES NOT REQUIRE TIGHT GRASPING & TWISTING OF THE WREST.

**VISION STRIPS, 3.8.3.3(15):**  
 ALL DOORS IN A BARRIER-FREE PATH OF TRAVEL CONSISTING OF A SHEET OF GLASS SHALL BE MARKED W/ A CONT. OPAQUE STRIP THAT SHALL BE COLOUR & BRIGHTNESS CONTRASTED TO THE BACKGROUND OF THE DOOR, SHALL BE AT LEAST 50mm WIDE, SHALL BE LOCATED ACROSS THE WIDTH OF THE DOOR @ A HEIGHT OF 1350mm TO 1500mm A/F/F. (ACCESSIBILITY BY-LAWS OF THAT SPECIFIC REGION MAY REQUIRE TWO VISION STRIPS).

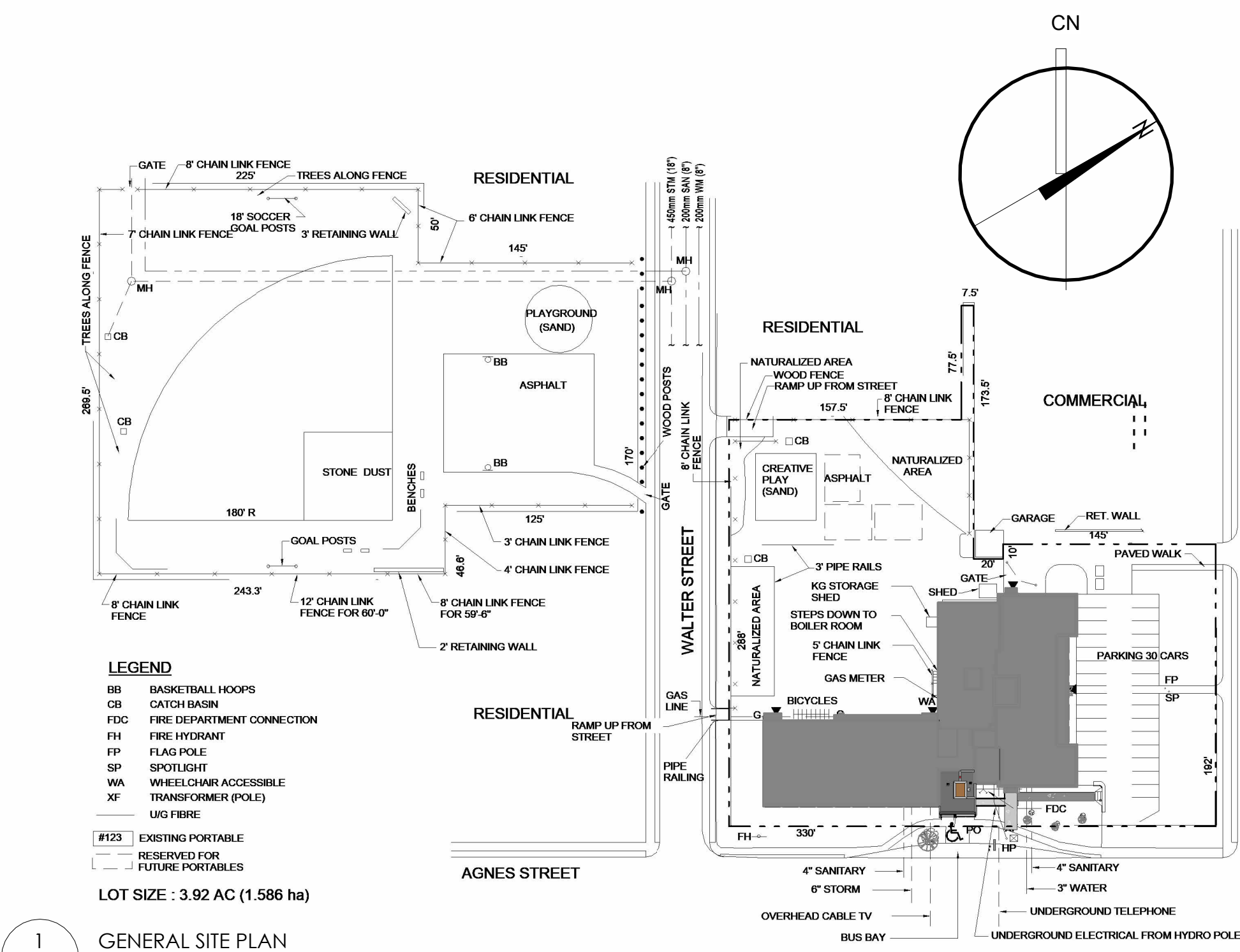
**DISCLAIMER:**  
 ALL EXISTING SITE PLAN INFORMATION WAS PROVIDED BY THE WATERLOO REGION DISTRICT SCHOOL BOARD:  
 PROJECT No. 17219, PLAN NO. MCD-2856, DATED September 26, 2017



Autodesk Docs://King Edward Elevator/King Edward PS - 2022.05.27.rvt



KEY PLAN N.T.S.



1 GENERAL SITE PLAN  
A1.1 1:1000

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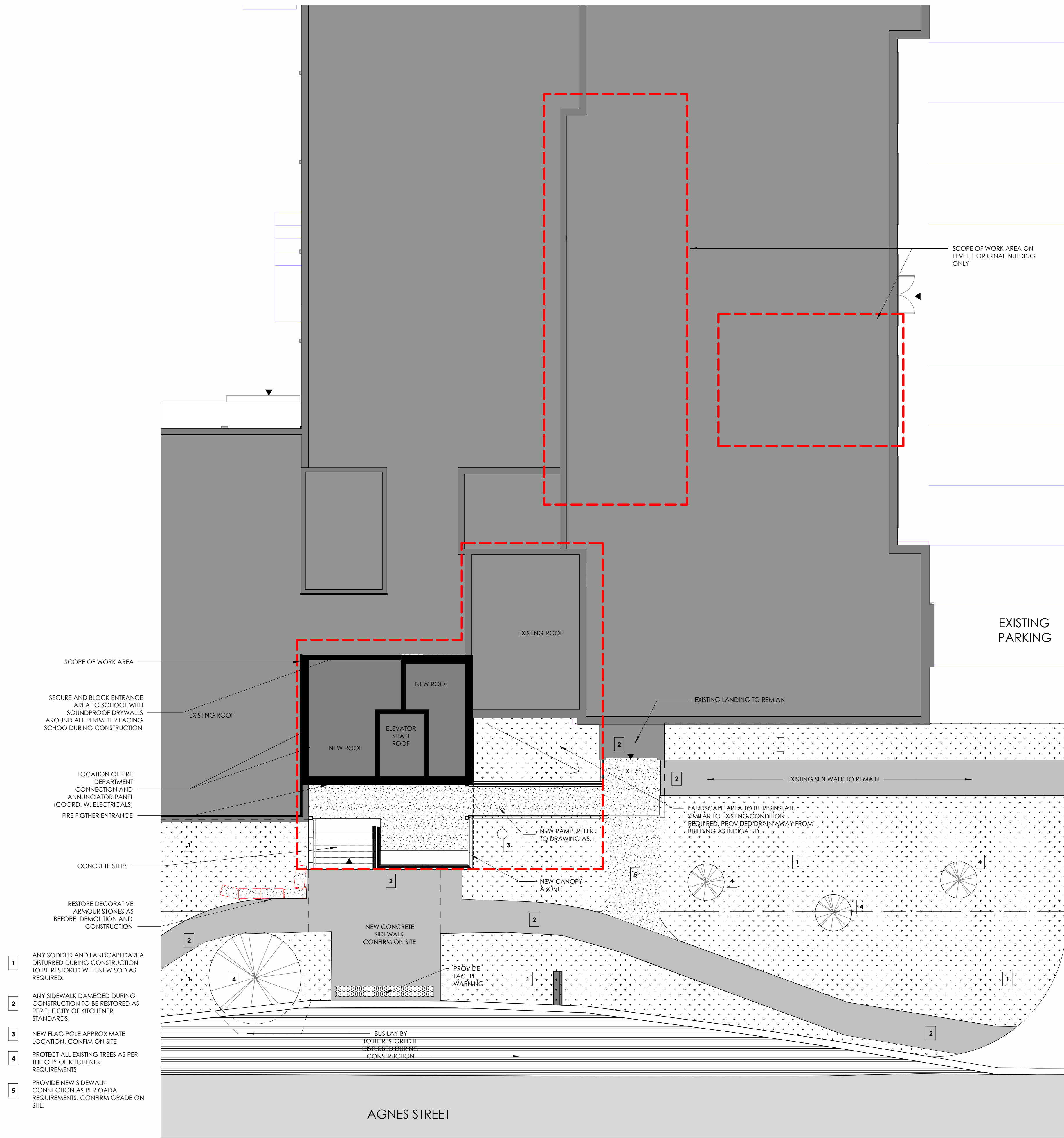
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PROJECT No. 17219, PLAN No. MCD-2856, DATED September 26 2017

2 SITE PLAN - SCOPE OF WORK  
A1.1 1:100



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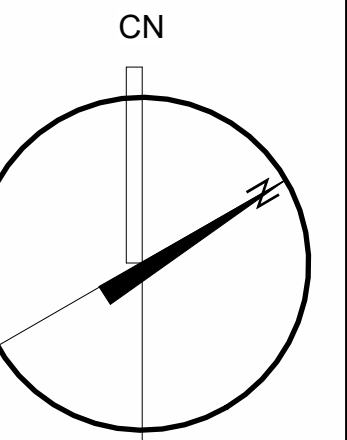


**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

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ORIGINAL PAGE SIZE ARCH D - 24" X 36"

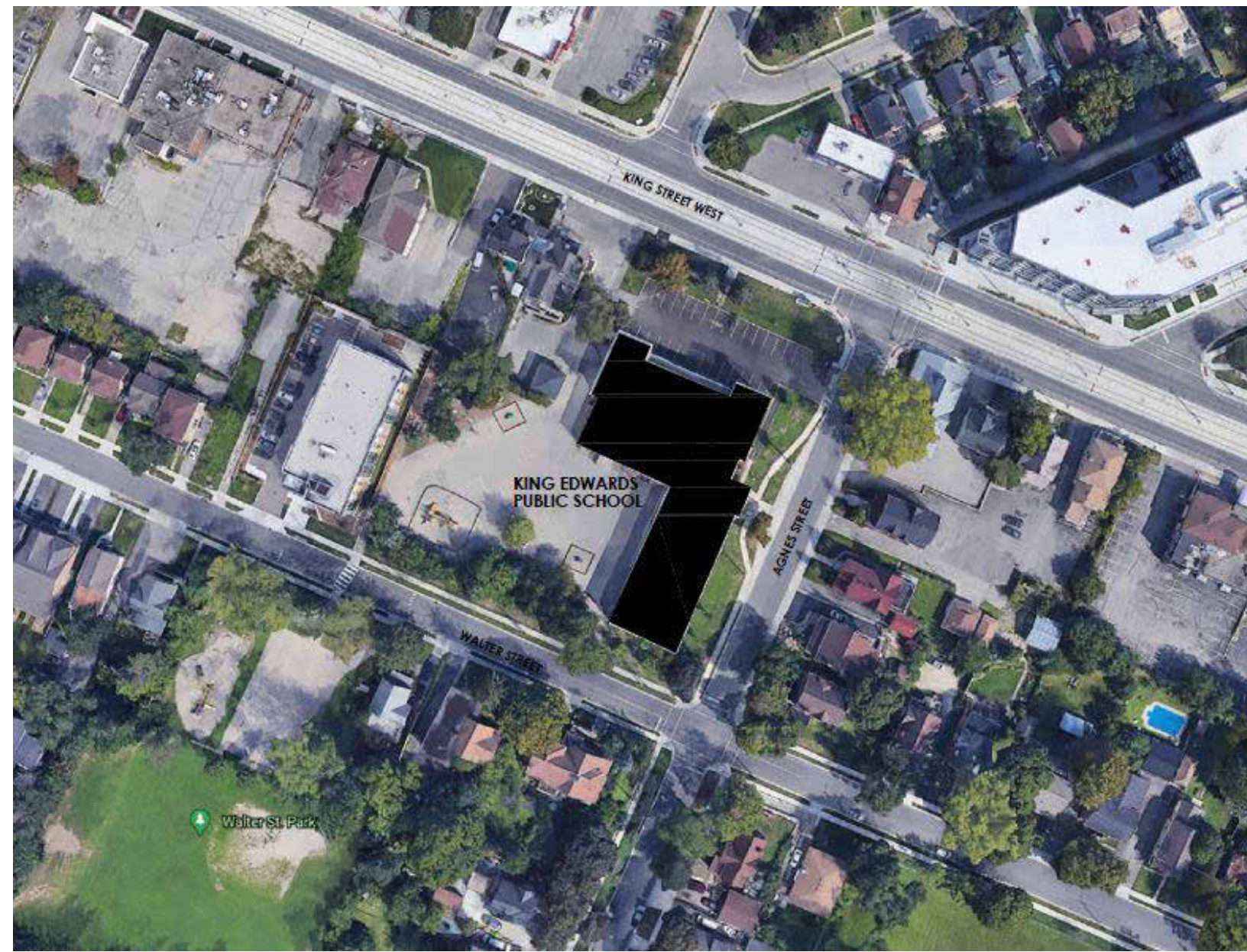
**VG ARCHITECTS**  
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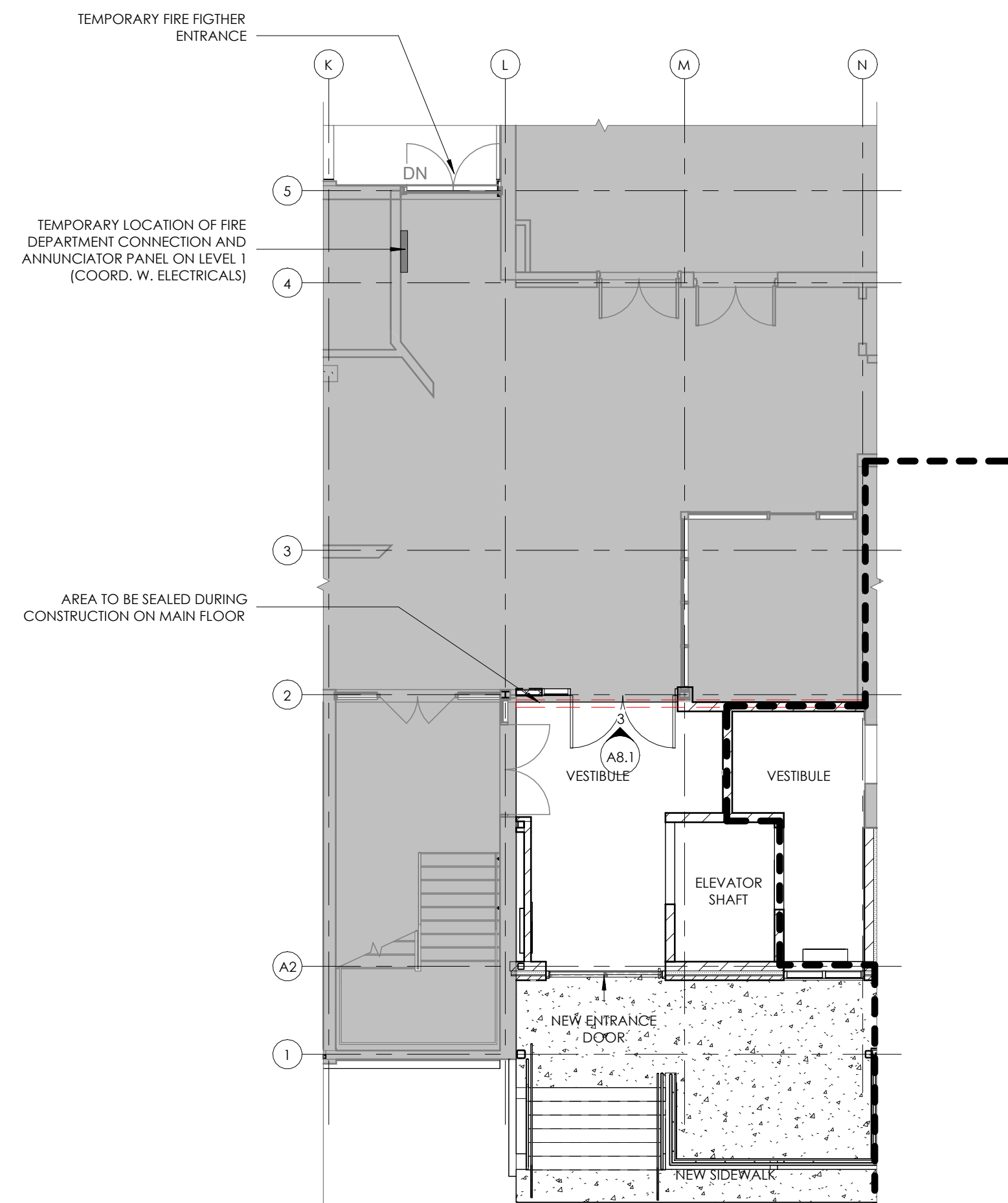
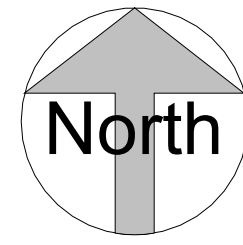
**SITE PLAN - RENOVATION**

A1.1

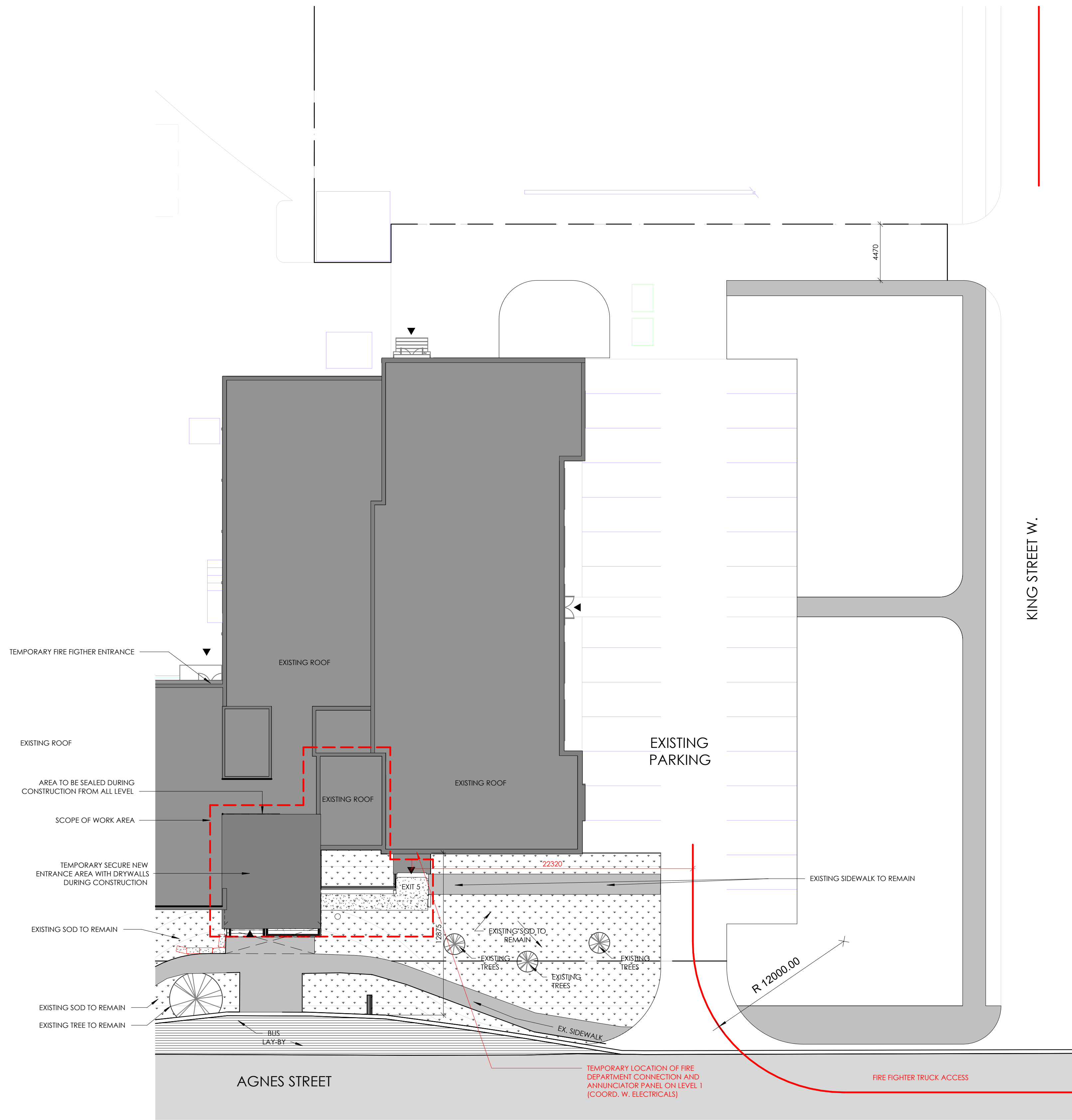




KEY PLAN N.T.S



2 LEVEL 1 - FINISH FLOOR PLAN  
A1.2 0 500 1000 2000mm (1 : 100)



1 TEMPORARY SITE PLAN - DURING CONSTRUCTION  
A1.2 0 500 1000 2000mm (1 : 200)

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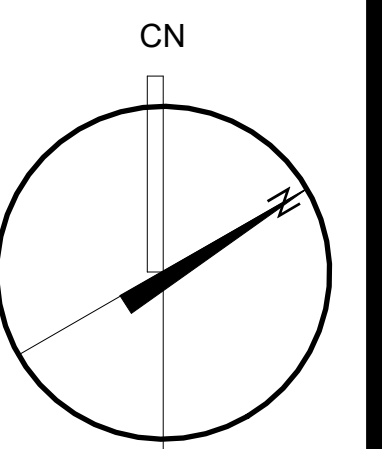


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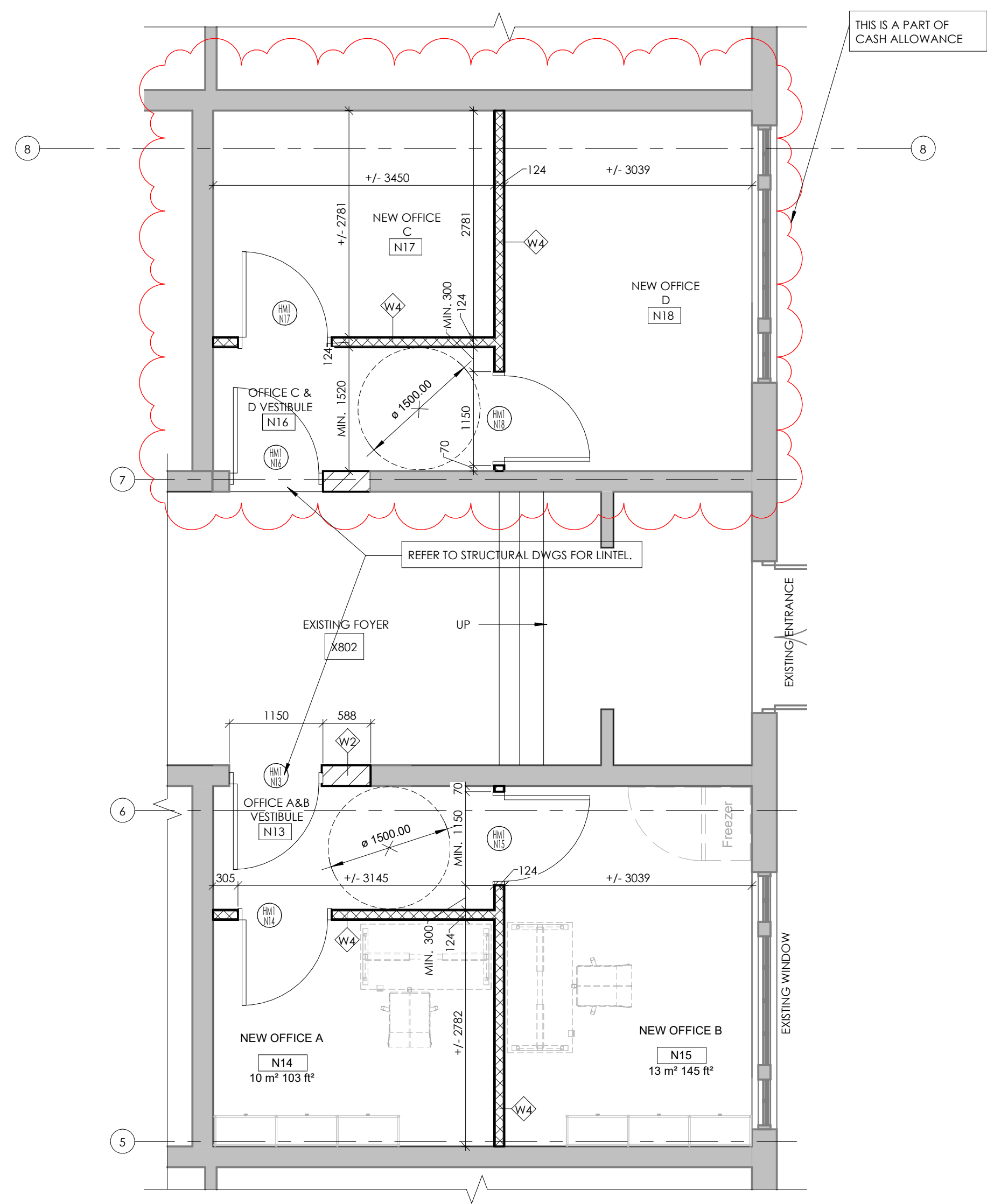
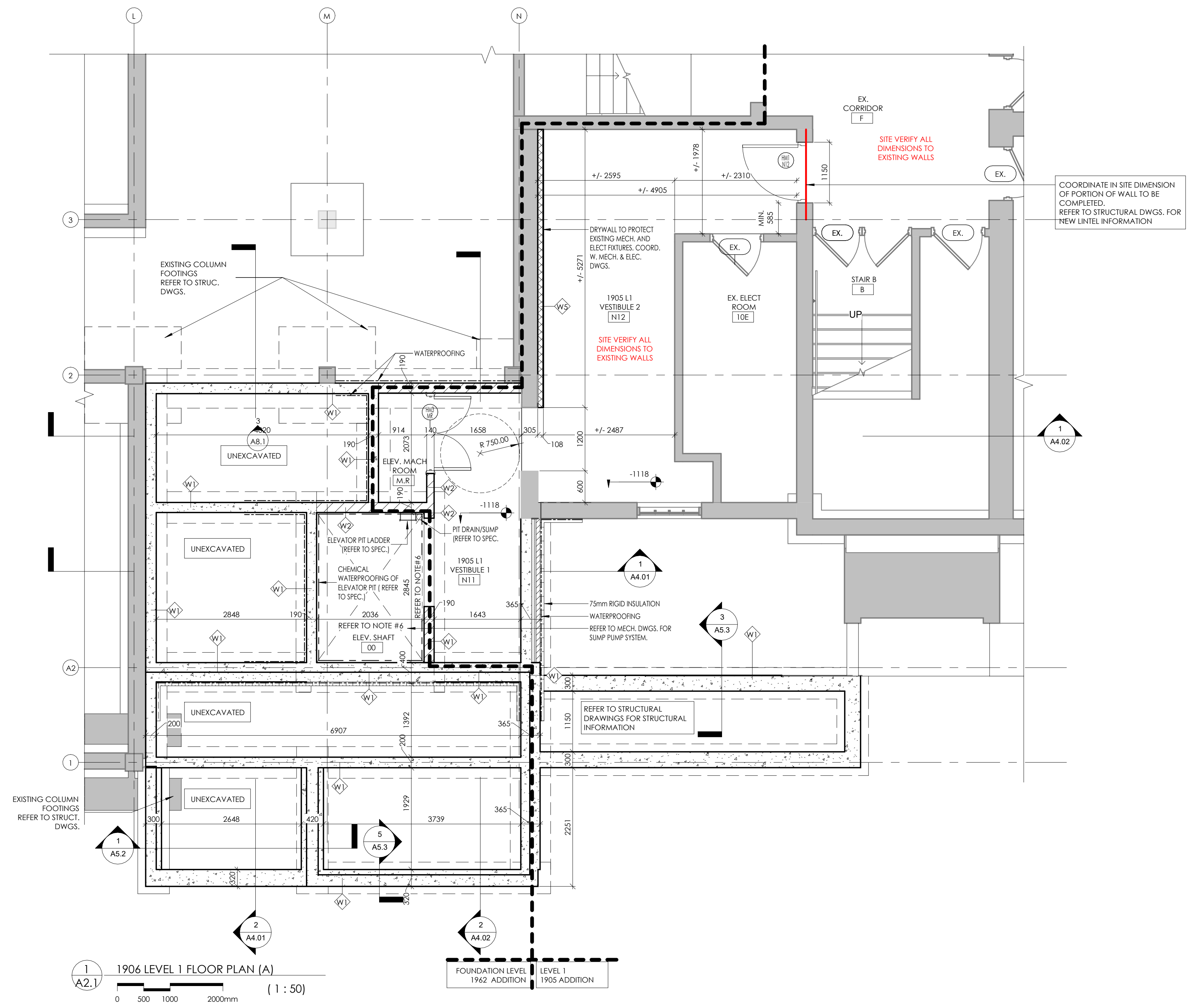
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ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**VG ARCHITECTS**  
THE VENLIN GROUP LTD



A1.2



2 1906 LEVEL 1 NEW OFFICE DESIGN (B)  
A2.1 (1:50)

**FLOOR LEGEND**

# Ref A101	ELEVATION REFERENCE	DOOR TYPE (COORD. W/ DOOR SCHEDULES)
# Ref A101	DETAIL REFERENCE	WALL TYPE
# Ref A#.#	WALL SECTION REFERENCE	CURTAIN WALL #
# Ref A#.#	BUILDING SECTION REFERENCE	FLOOR TYPE
###_DATUM	A/F/F LEVEL # (ABOVE FINISHED FLOOR)	POWER DOOR OPERATOR
#	GRID LINE	TYF: BF TURNING CIRCLE RADIUS & INDIVIDUAL AREA OF REFUGE LOCATION
Room name 101	ROOM NO.	PUSH BUTTON FOR POWER DOOR OPERATOR - 610mm MIN. FROM THE DOOR SWING TOWARDS THE BUTTON TO 1500mm MAX. (P25mm A/F/F TO CENTER OF BUTTON TYP.)
		ANNOUNC. PANEL / ELEC. CABINET PROVIDE 19mm FIRE RATED PLYWD. BEHIND ALL PANELS AS REQ. D. COORD. W. ELEC. DWGS.

**WALL IDENTIFICATION MARKER LEGEND (COORD. W/ WALL TYPES)**

EX. WALL SYSTEM	NEW FOUNDATION WALL SYSTEM
NEW CONC. BLOCK WALL SYSTEM	NEW GYP. BD. ON METAL STUDS WALL SYSTEM

**FLOOR PLAN NOTES:**

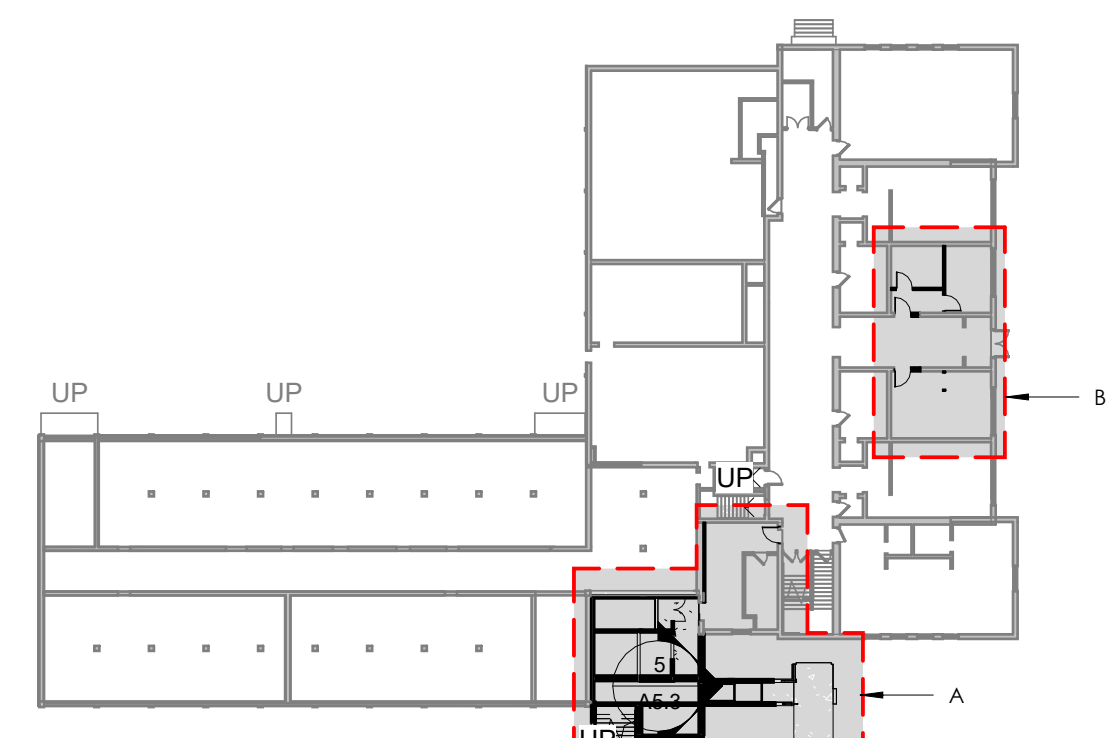
- SHOP DWGS TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG. OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE)
- REFER TO DWG A2.1.D FOR GENERAL LEGEND OF SYMBOLS
- ALL DUCT SHAFT ENCLOSURES TO SUIT DUCT SIZES REQUIRED. COORD WITH MECHANICAL DRAWINGS
- UNLESS OTHERWISE NOTED, ALL WALLS ARE TO GO UP TO THE U/S OF DECK ABOVE & BE SEALED TIGHT & BE FIRE STOPPED AT FIRE RATED LOCATIONS.

**HATCH IDENTIFICATION MARKER LEGEND**

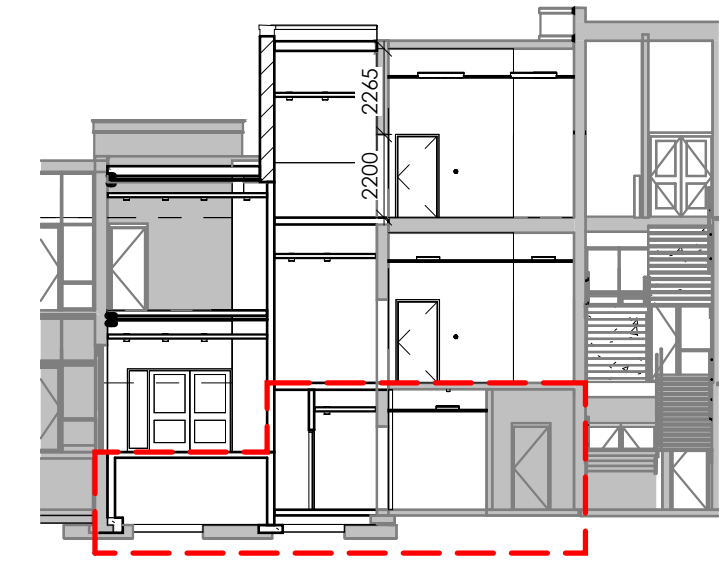
75mm INSUL. BELOW CONC. SLAB (R15) PER O.B.C. S8-10
OPEN TO ABOVE / BELOW
MILLWORK/EQUIP ITEM IN CONTRACT
ITEMS NOT IN CONTRACT - N/I/C

**GENERAL NOTES**

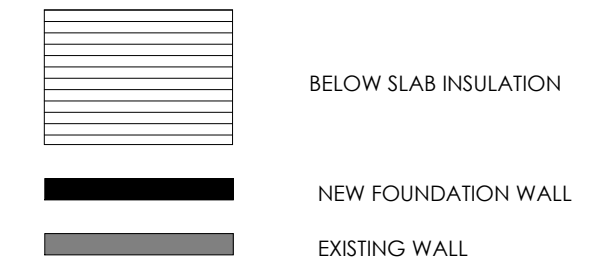
- REVIEW OF EXISTING ROOF FOR SNOW PILE-UP REQUIRED AROUND HIGHER ROOF PROJECTION TO MEET CURRENT BUILDING CODE
- REVIEW OF CANOPY ROOF JOISTS FOR POTENTIAL REINFORCING DUE TO SNOW PILE-UP AROUND ELEVATOR WALL
- NEW 190 mm CONC. BLOCK FROM FN. FL. LVL. TO U/S MEZZ. LVL. COORDINATE W/ STRUCTURAL DRAWINGS
- NEW CONC. SLAB REQUIRED AT ELEVATOR LANDING, NEW VESTIBULE AREA AND CORRIDOR EXTENSION COORDINATE W/ STRUCTURAL DRAWINGS
- PROVIDE NEW ROOM FINISHES - CEILING, FLOORING, WALL FINISHES
- VERIFY ELEVATOR DIMENSIONS WITH ELEVATOR SUPPLIER PRIOR TO CONSTRUCTION



3 KEY PLAN  
A2.1 1:500



4 FLOOR PLAN VIEW  
A2.1 (1:200)



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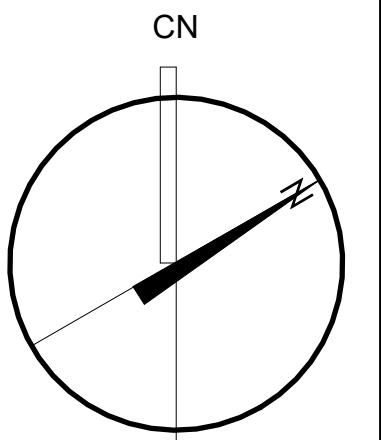


**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**VG ARCHITECTS**  
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A2.1

1905 LEVEL 1 FLOOR PLAN

2023-04-05 11:25:35 AM

Revision Schedule		
Particular	Date	No.
ISSUED FOR COORDINATION	03/06/2023	1
ISSUED FOR 98% SET PERMIT	11/29/2022	2
ISSUED FOR TENDER	04/05/2023	3

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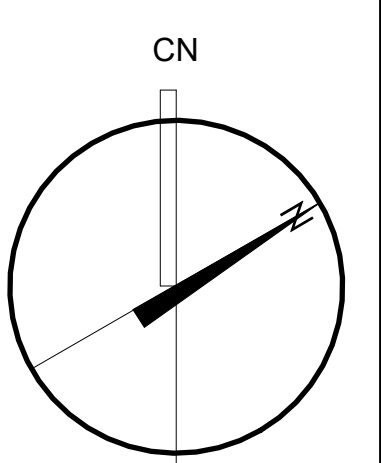


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ORIGINAL PAGE SIZE ARCH D - 24" X 36"

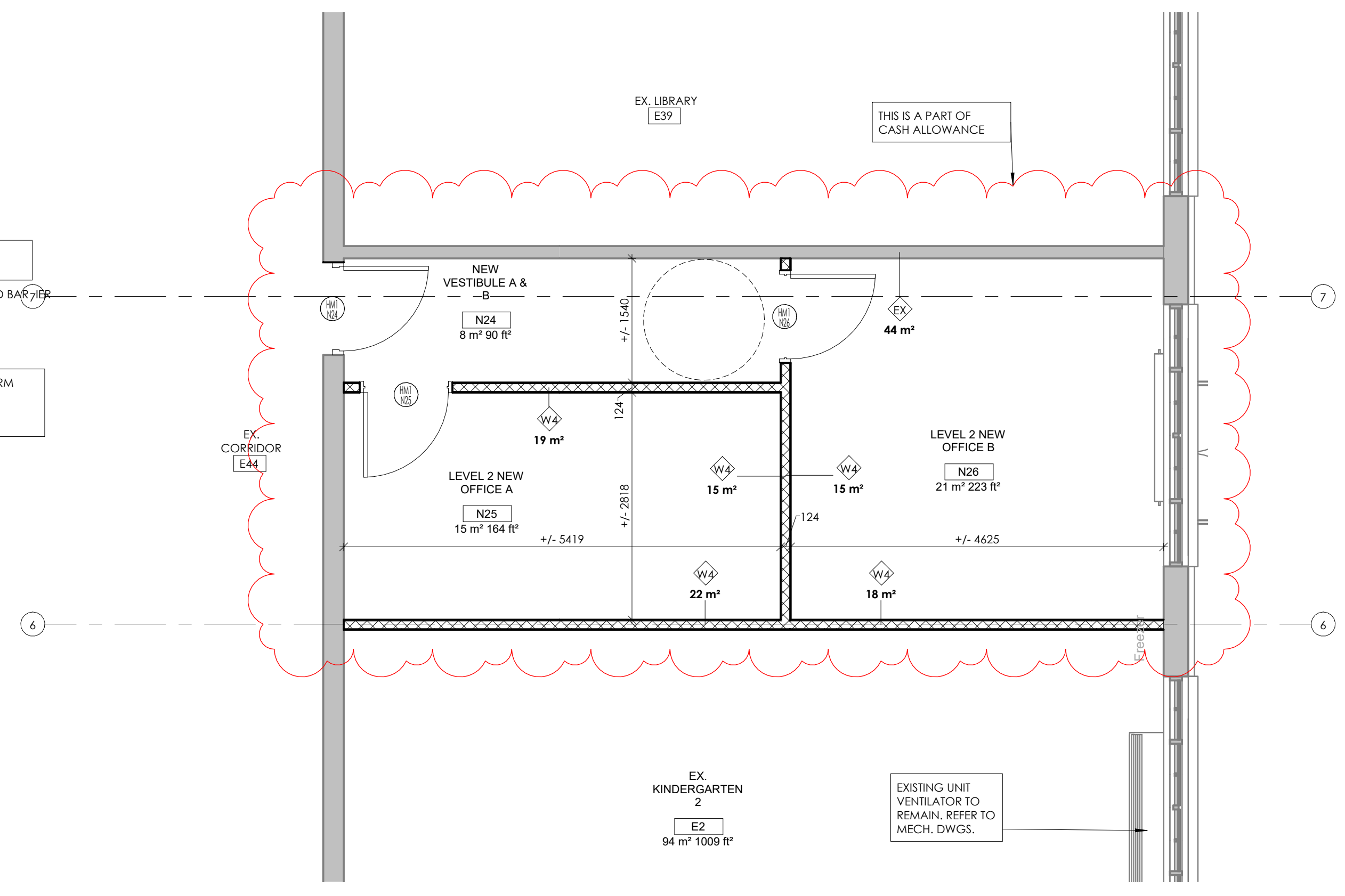
**VG ARCHITECTS**  
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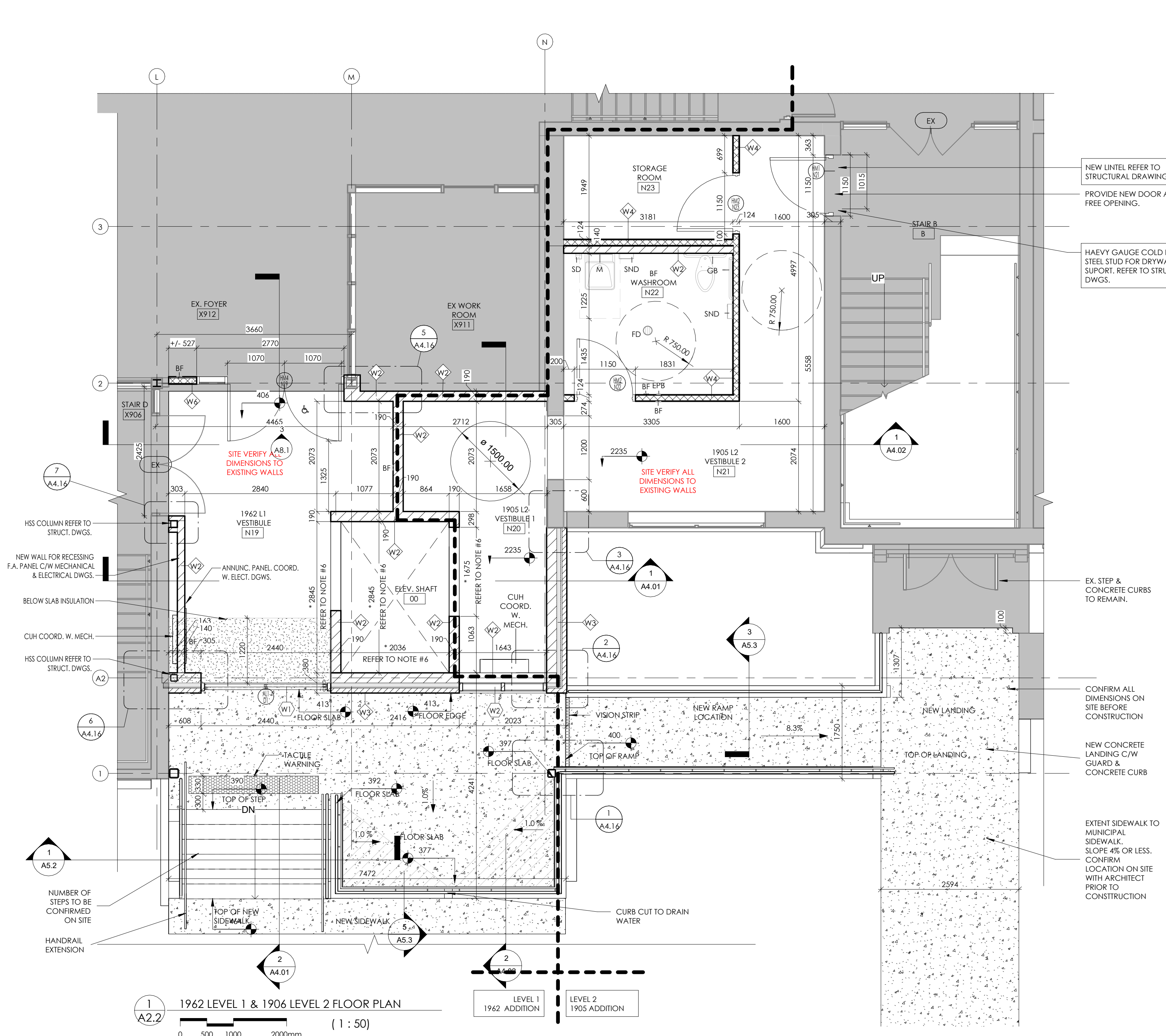
1962 LEVEL 1 & 1905 LEVEL 2 FLOOR PLAN  
 2023-04-05 11:25:38 AM

**A2.2**

Drawn by: AM/LI Checked by: PV/KC Scale: As indicated



4 1962 LEVEL 1 & 1906 LEVEL 2 FLOOR PLAN Copy 4  
 (1:50)



1 1962 LEVEL 1 & 1906 LEVEL 2 FLOOR PLAN  
 (1:50)

**FLOOR LEGEND**

# Ref	ELEVATION REFERENCE	DOOR TYPE (COORD. W/ DOOR SCHEDULES)
# Ref	DETAIL REFERENCE	WALL TYPE
# Ref	WALL SECTION REFERENCE	CURTAIN WALL #
# Ref	BUILDING SECTION REFERENCE	FLOOR TYPE
###_D	A/F/F LEVEL # (ABOVE FINISHED FLOOR)	POWER DOOR OPERATOR
Ø	GRID LINE	TYP. BF TURNING CIRCLE RADIUS & INDIVIDUAL AREA OF REFUGE LOCATION
Room name	ROOM NO.	PUSH BUTTON FOR POWER DOOR OPERATOR - 610mm MIN. FROM THE DOOR SWING TOWARDS THE BUTTON TO 1500mm MAX. (925mm A/F/F TO CENTER OF BUTTON TYP.)
		ANNUNC. PANEL / ELEC. CABINET PROVIDE 19mm FIRE RATED PLWD. BEHIND ALL PANELS AS REG. D. COORD. W. ELEC. DWGS.

**WALL IDENTIFICATION MARKER LEGEND (COORD. W/ WALL TYPES)**

[Pattern]	EX. WALL SYSTEM
[Pattern]	NEW FOUNDATION WALL SYSTEM
[Pattern]	NEW CONC. BLOCK WALL SYSTEM
[Pattern]	NEW GYP. BD. ON METAL STUDS WALL SYSTEM

**FLOOR PLAN NOTES:**

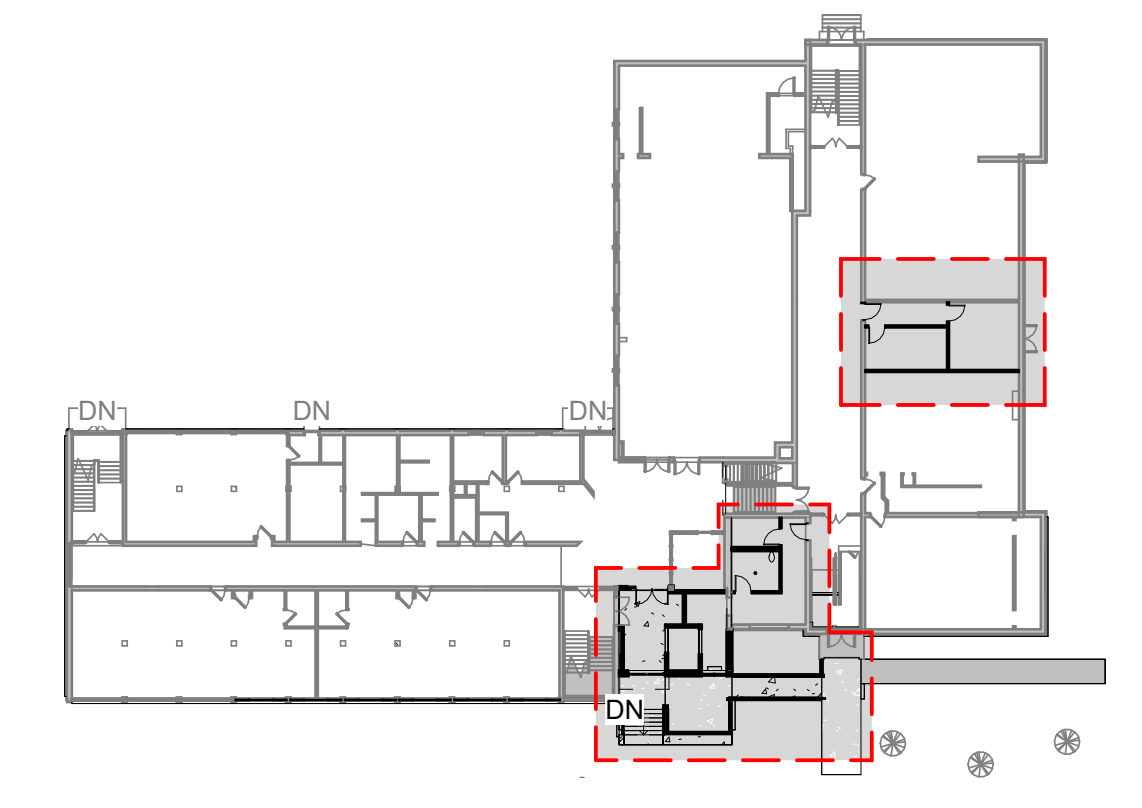
- SHOP DWGS. TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG. OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE)
- REFER TO DWG A2.1.0 FOR GENERAL LEGEND OF SYMBOLS
- ALL DUCT SHAFT ENCLOSURES TO SHUT DUCT SIZES REQUIRED. COORD WITH MECHANICAL DRAWINGS
- UNLESS OTHERWISE NOTED, ALL WALLS ARE TO GO UP TO THE U/S OF DECK ABOVE & BE SEALED TIGHT & BE FIRE STOPPED AT FIRE RATED LOCATIONS.

**HATCH IDENTIFICATION MARKER LEGEND**

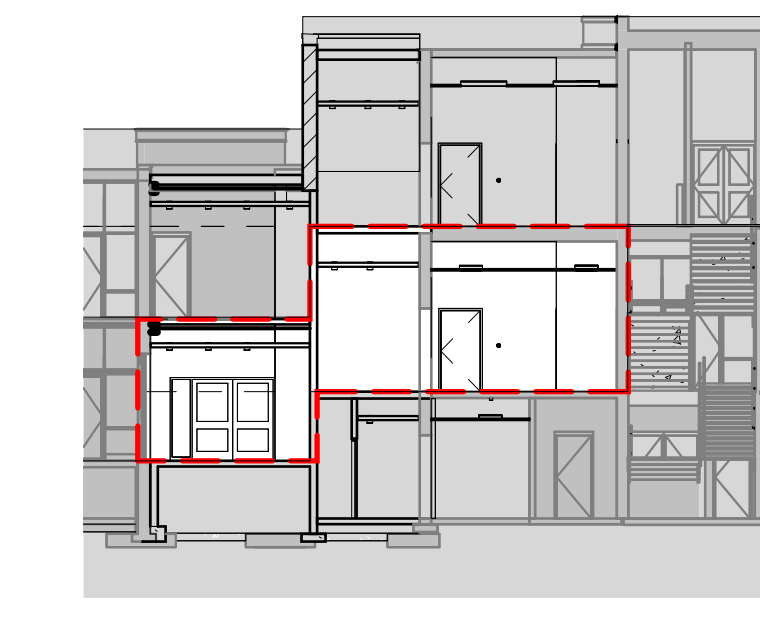
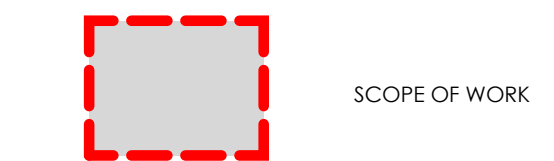
[Pattern]	75mm INSUL. BELOW CONC. SLAB (R15) PER O.B.C. S8-10
[Pattern]	OPEN TO ABOVE / BELOW
[Pattern]	MILLWORK/EQUIP ITEM IN CONTRACT
[Pattern]	ITEMS NOT IN CONTRACT - N/I/C

**GENERAL NOTES**

- 1 REVIEW OF EXISTING ROOF FOR SNOW PILE-UP REQUIRED AROUND HIGHER ROOF PROJECTION TO MEET CURRENT BUILDING CODE
- 2 REVIEW OF CANOPY ROOF JOISTS FOR POTENTIAL REINFORCING DUE TO SNOW PILE-UP AROUND ELEVATOR WALL
- 3 NEW 190 mm CONC. BLOCK FROM FIN. FL. LVL. TO U/S MEZZ. LVL. COORDINATE W/ STRUCTURAL DRAWINGS
- 4 NEW CONC. SLAB REQUIRED AT ELEVATOR LANDING, NEW VESTIBULE AREA AND CORRIDOR EXTENSION COORDINATE W/ STRUCTURAL DRAWINGS
- 5 PROVIDE NEW ROOM FINISHES - CEILING, FLOORING, WALL FINISHES
- 6 VERIFY ELEVATOR DIMENSIONS WITH ELEVATOR SUPPLIER PRIOR TO CONSTRUCTION



2 KEY PLAN  
 (1:50)



3 FLOOR PLAN VIEW  
 (1:200)

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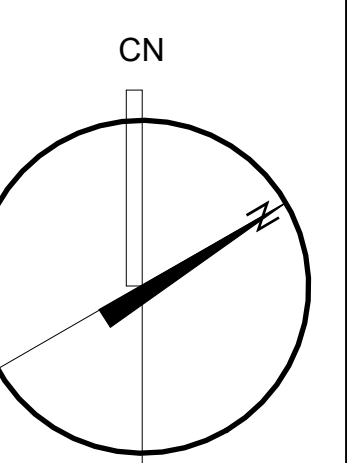


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ORIGINAL PAGE SIZE ARCH D - 24" X 36"

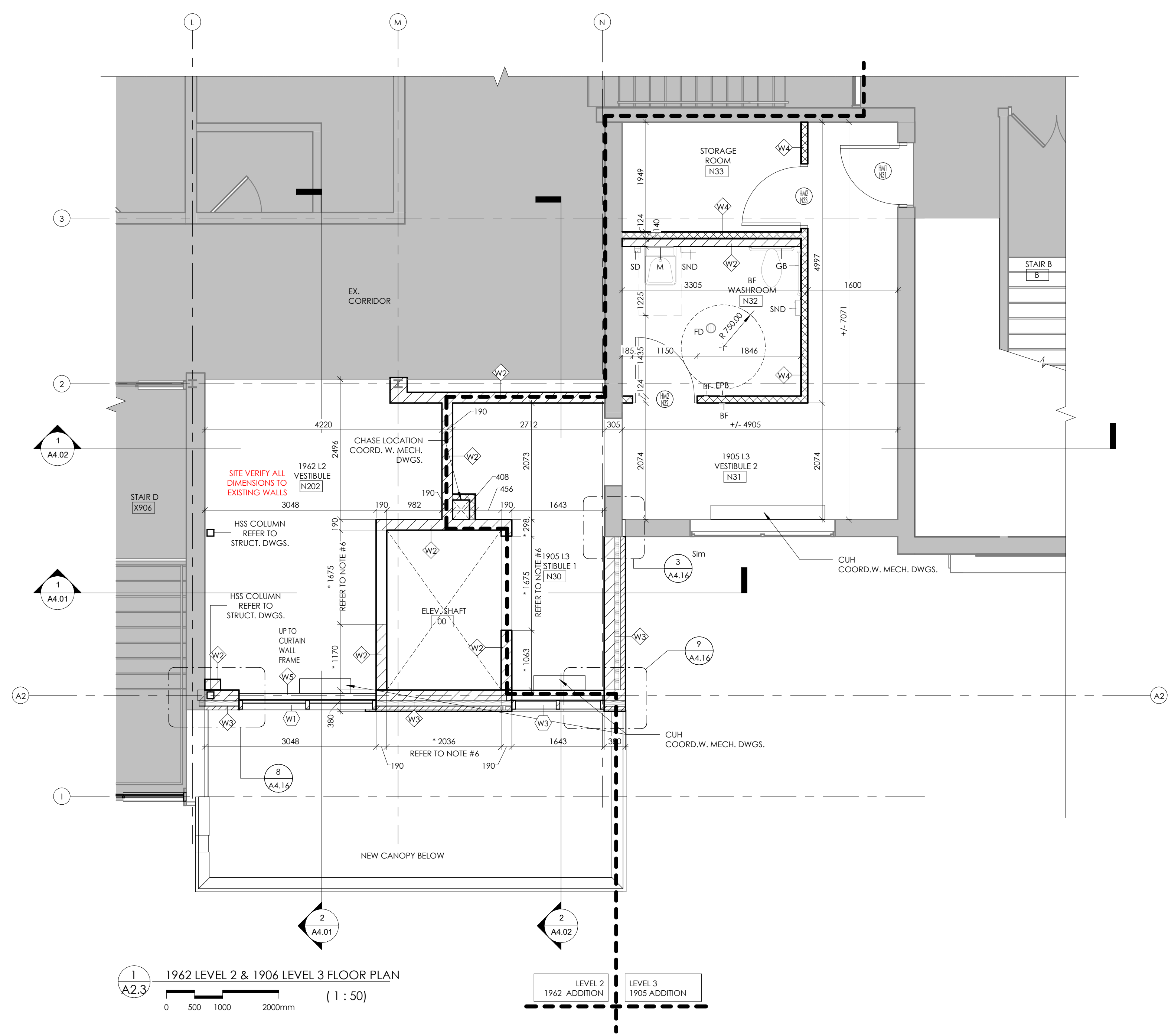
**VG ARCHITECTS**  
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1962 LEVEL 2 & 1905 LEVEL 3 FLOOR PLAN

A2.3

Drawn by: AM/LI Checked by: PV/KC Scale: As indicated



1 1962 LEVEL 2 & 1906 LEVEL 3 FLOOR PLAN  
 A2.3 (1 : 50)

LEVEL 2  
 1962 ADDITION

LEVEL 3  
 1905 ADDITION

**FLOOR LEGEND**

# Ref A101	ELEVATION REFERENCE	DOOR TYPE (COORD. W/ DOOR SCHEDULES)
# Ref A101	DETAIL REFERENCE	WALL TYPE
# Ref A#.#	WALL SECTION REFERENCE	CURTAIN WALL #
# Ref A#.#	BUILDING SECTION REFERENCE	FLOOR TYPE
### DATUM	A/FF LEVEL # (ABOVE FINISHED FLOOR)	POWER DOOR OPENER
#	GRID LINE	TY. RF TURNING CIRCLE RADIUS & INDIVIDUAL AREA OF REFUGE LOCATION
Room name 101	ROOM NO.	PUSH BUTTON FOR POWER DOOR OPERATOR - 610mm MIN. FROM THE DOOR SWING TOWARDS THE BUTTON TO 1500mm MAX. (925mm A/FF TO CENTER OF BUTTON TY.)
		PANEL

**WALL IDENTIFICATION MARKER LEGEND (COORD. W/ WALL TYPES)**

[Symbol]	EX. WALL SYSTEM
[Symbol]	NEW FOUNDATION WALL SYSTEM
[Symbol]	NEW CONC. BLOCK WALL SYSTEM
[Symbol]	NEW GYP. BD. ON METAL STUDS WALL SYSTEM

**FLOOR PLAN NOTES:**

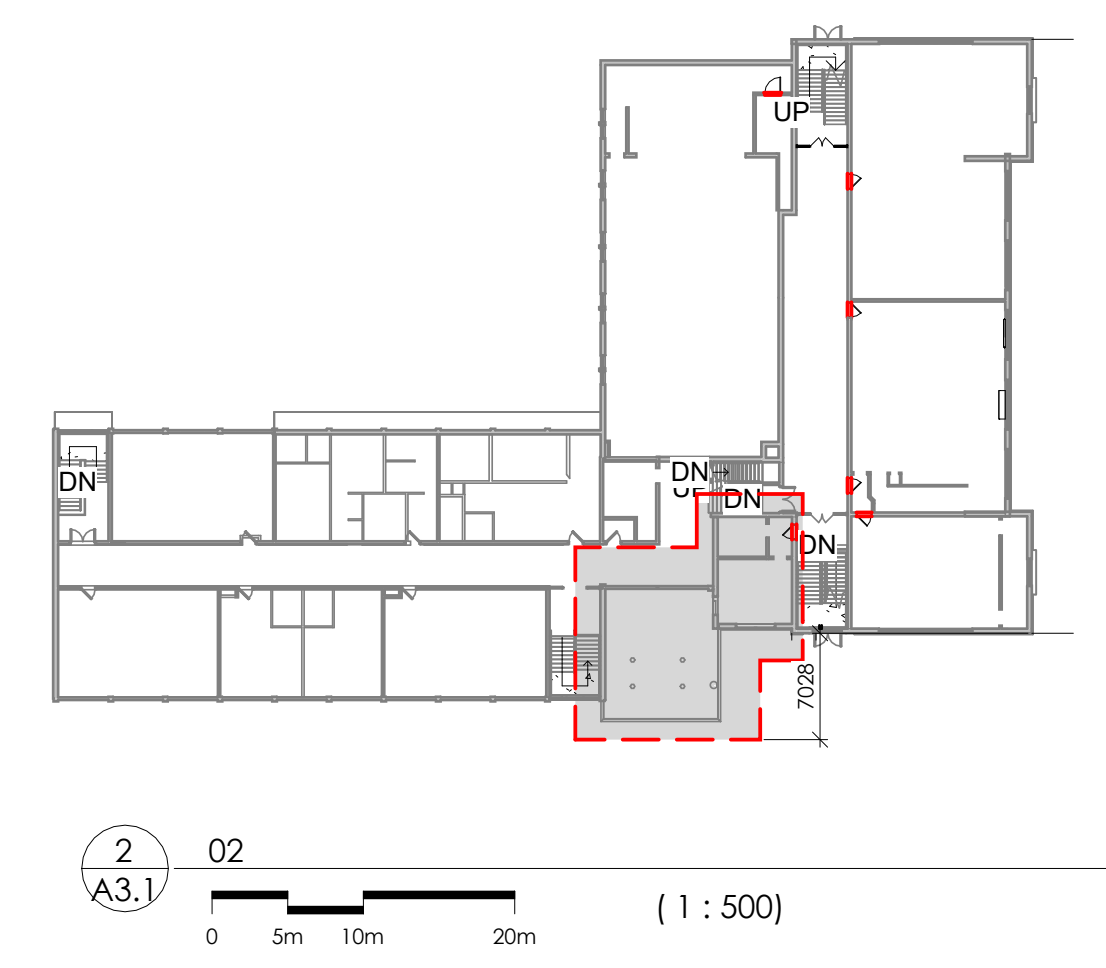
- SHOP DWG. S TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG. OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE)
- REFER TO DWG A2.1.0 FOR GENERAL LEGEND OF SYMBOLS
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**HATCH IDENTIFICATION MARKER LEGEND**

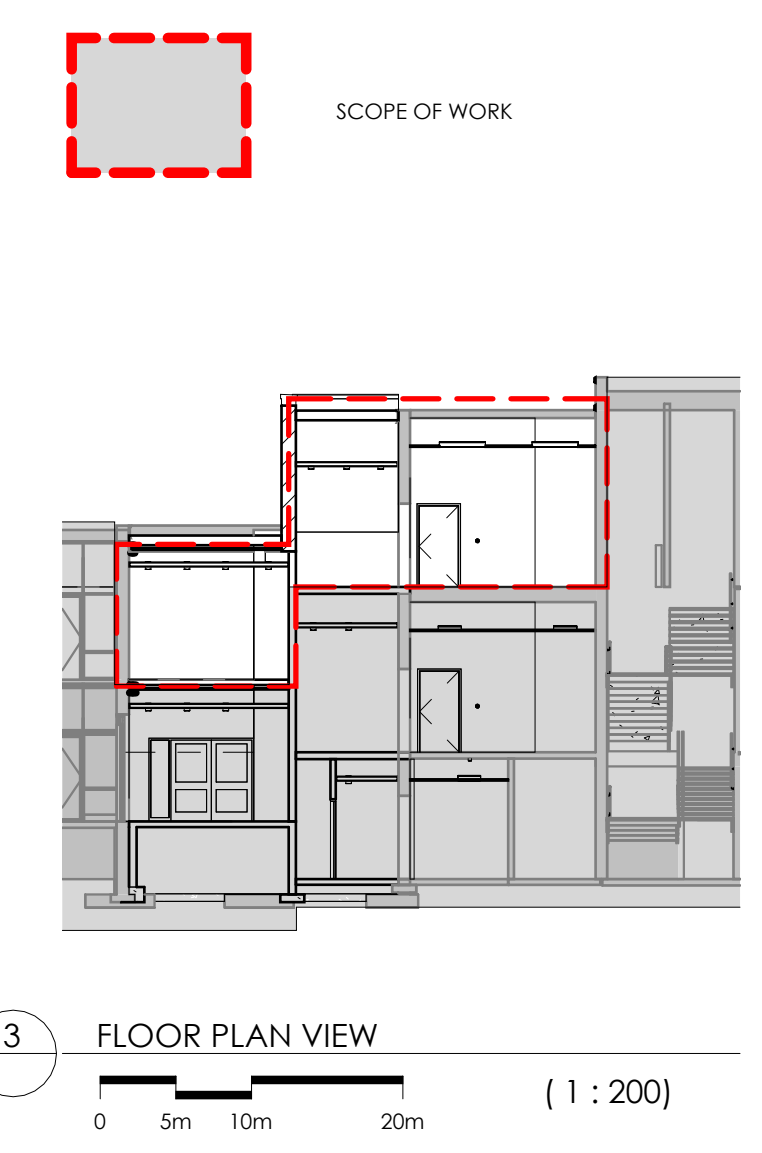
[Symbol]	75mm INSUL. BELOW CONC. SLAB (R15) PER O.B.C. S8-10
[Symbol]	OPEN TO ABOVE / BELOW
[Symbol]	MILLWORK/EQUIP ITEM IN CONTRACT
[Symbol]	ITEMS NOT IN CONTRACT - N/VC

**GENERAL NOTES**

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- REVIEW OF CANOPY ROOF JOISTS FOR POTENTIAL REINFORCING DUE TO SNOW PILE-UP AROUND ELEVATOR WALL
- NEW 190 mm CONC. BLOCK FROM FR. FL. LVL. TO U/S MEZZ. LVL. COORDINATE W/ STRUCTURAL DRAWINGS
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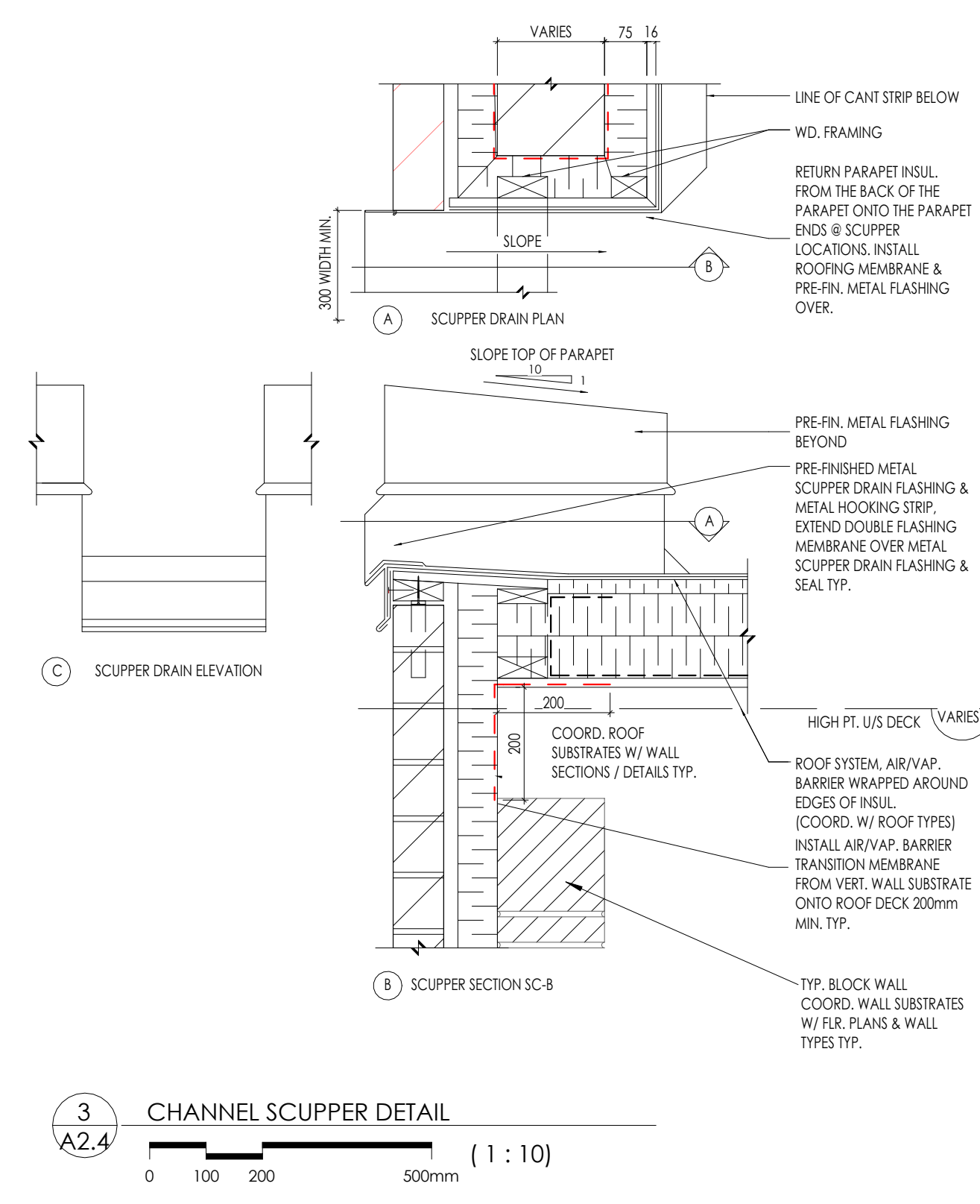
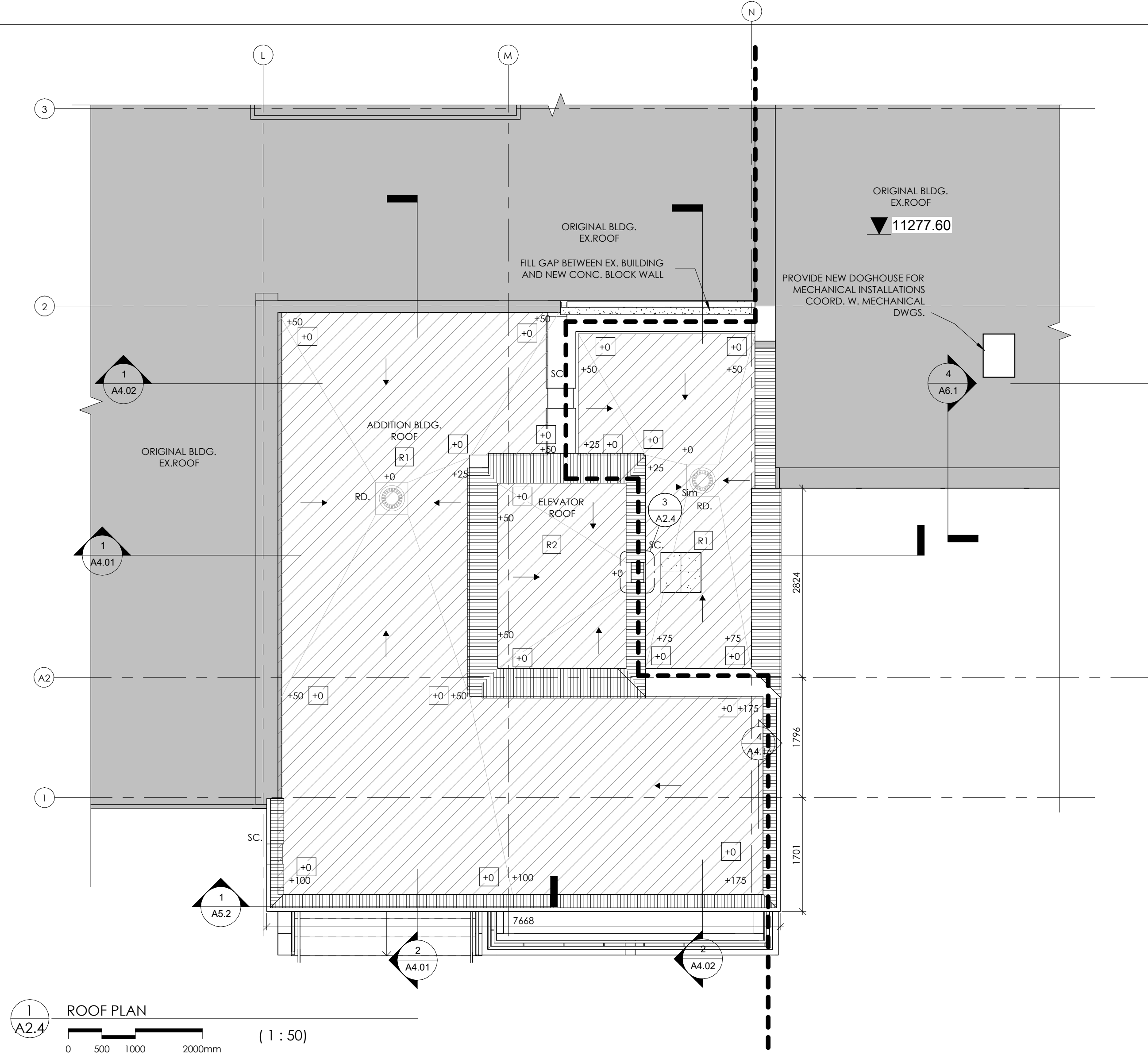
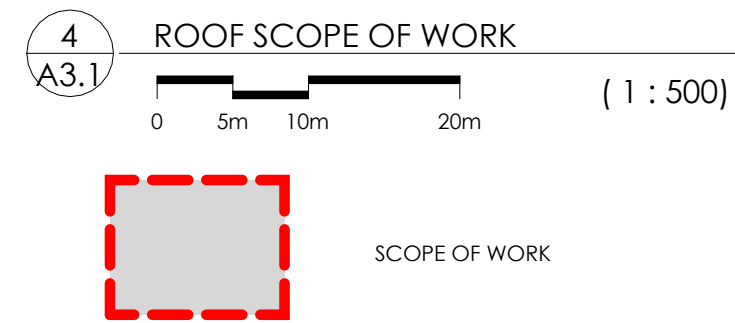


2 02  
 A3.1 (1 : 50)

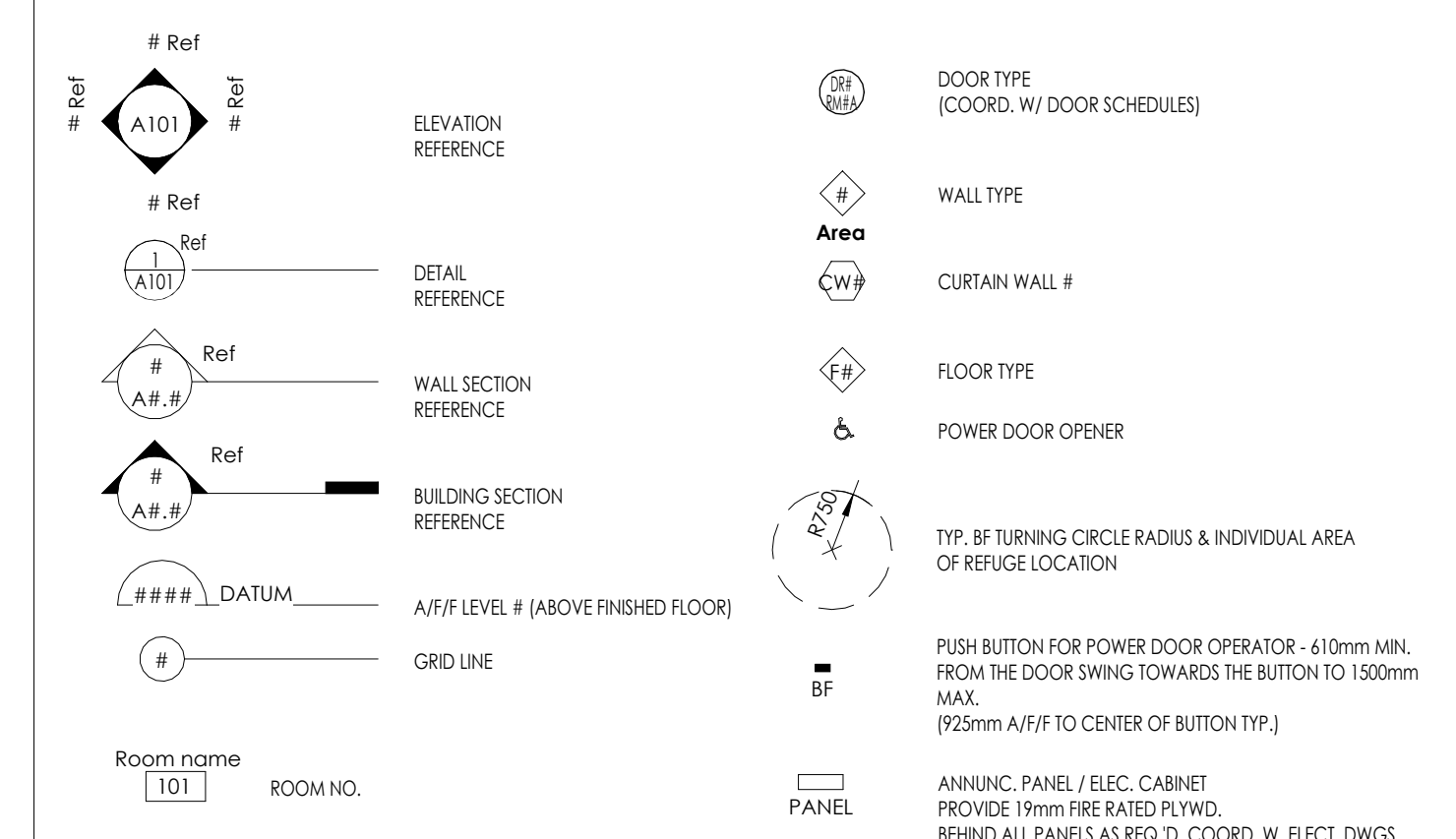


3 FLOOR PLAN VIEW  
 (1 : 200)

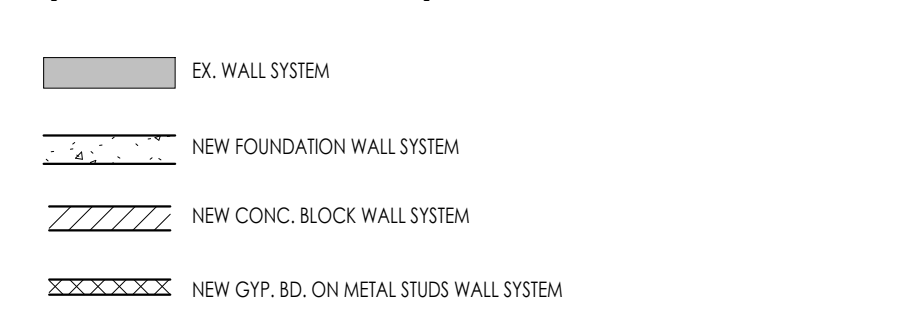
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**FLOOR LEGEND**

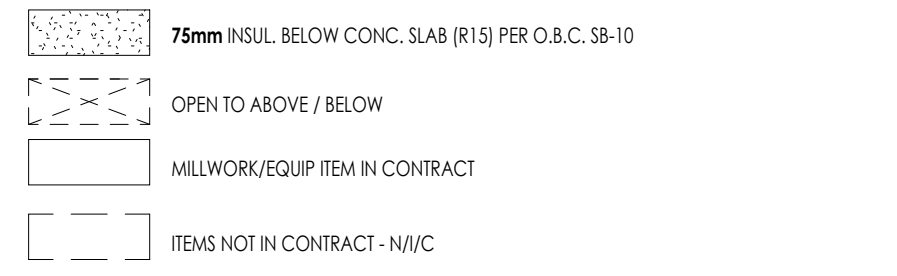


**WALL IDENTIFICATION MARKER LEGEND (COORD. W/ WALL TYPES)**



- FLOOR PLAN NOTES:**
- SHOP DWG.'S TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG., OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE)
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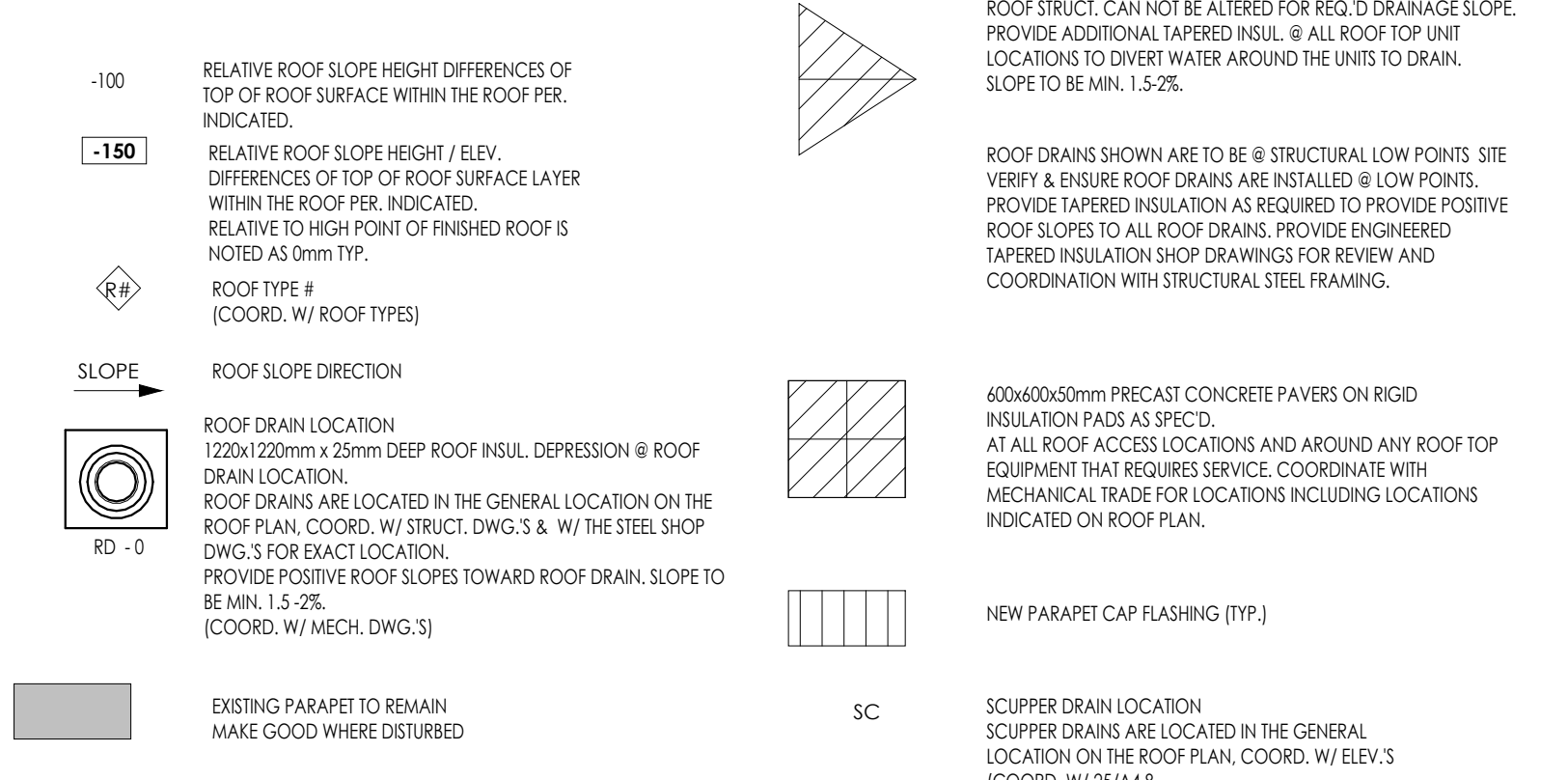
**HATCH IDENTIFICATION MARKER LEGEND**



**GENERAL NOTES**

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**ROOF LEGENDS**



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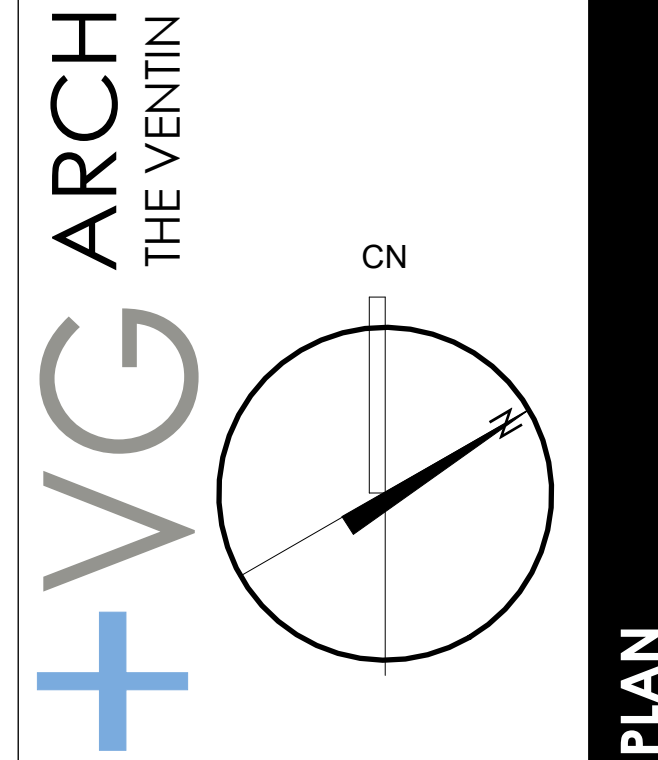
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 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

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A2.4

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**ROOF PLAN**  
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Revision Schedule		
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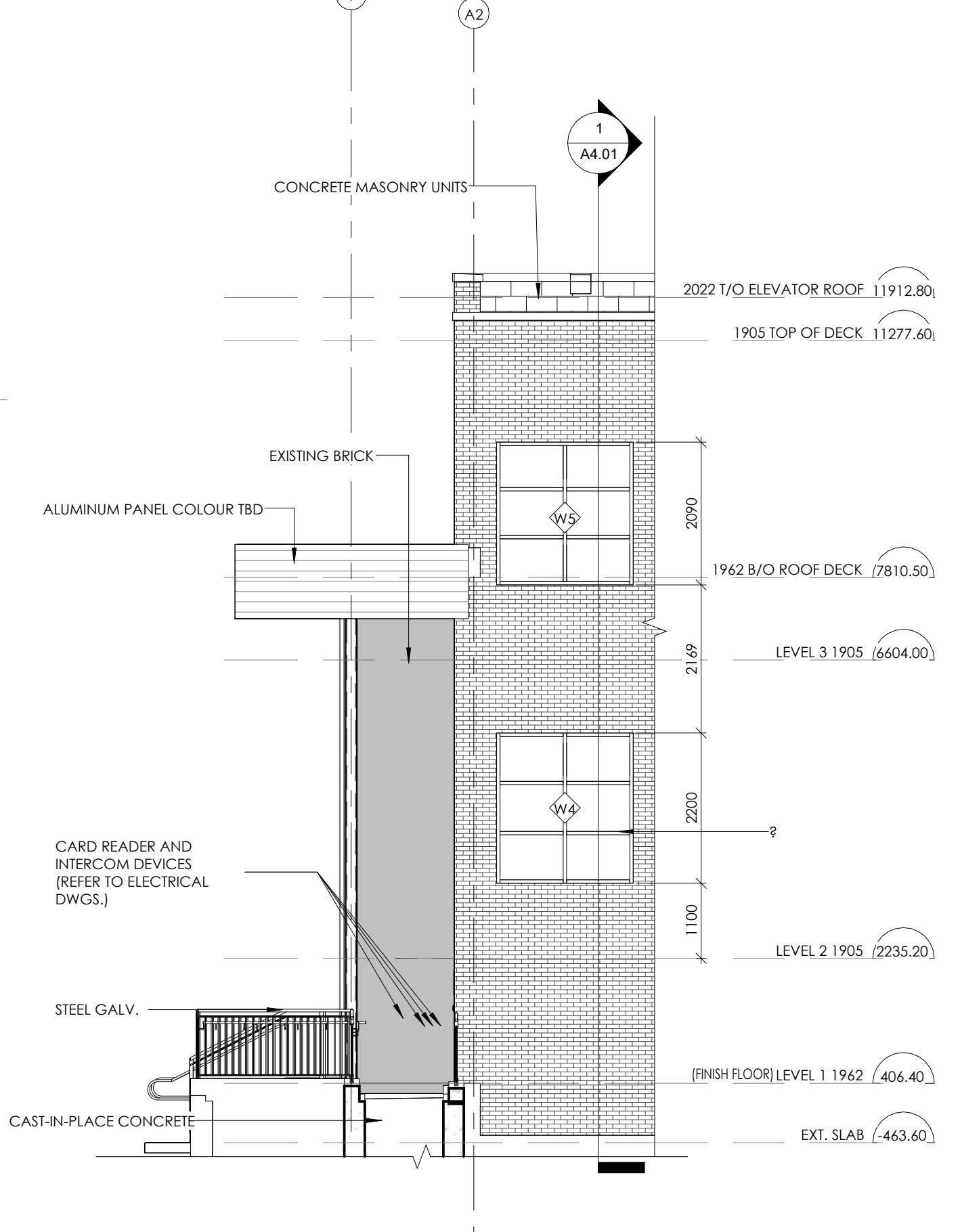
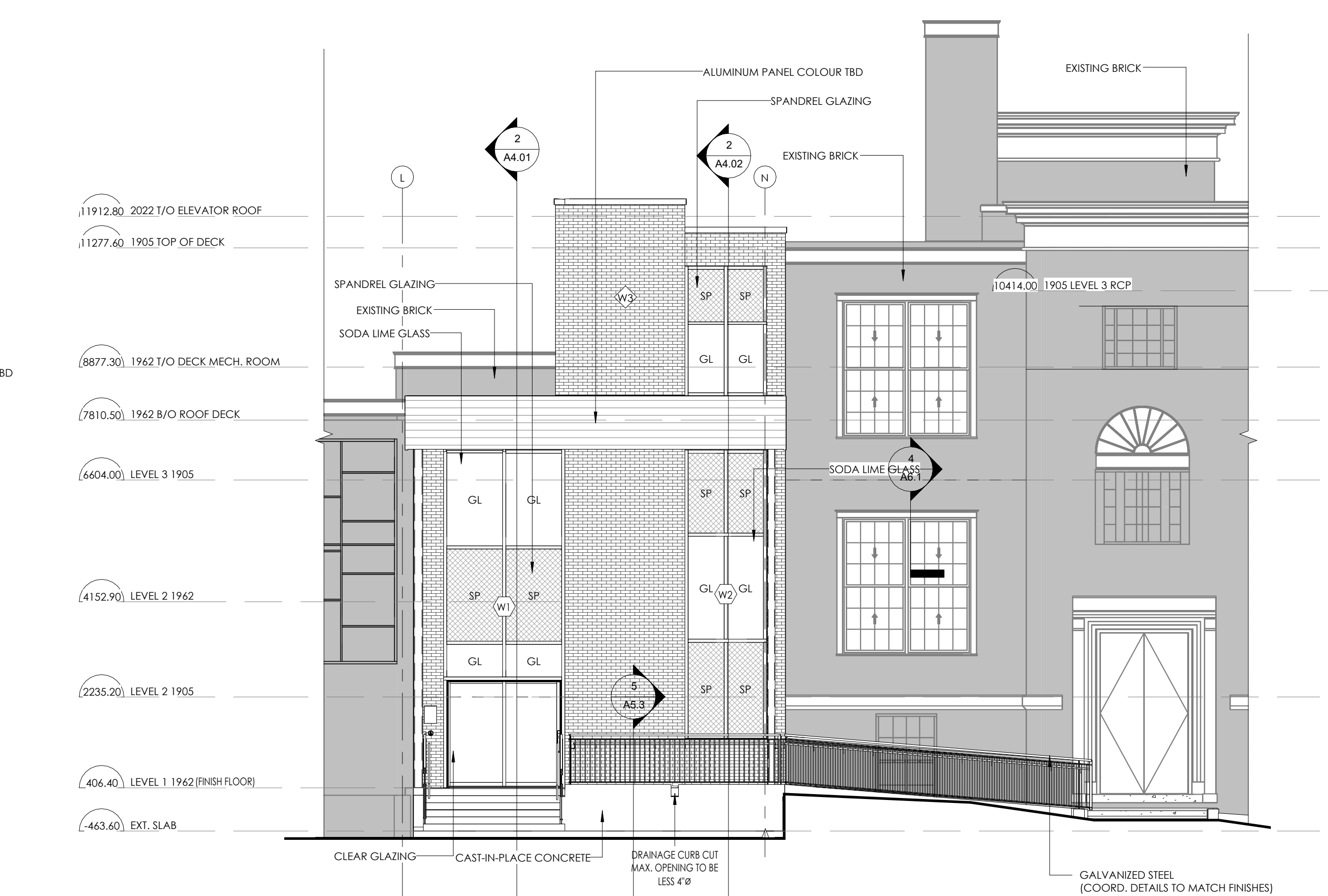
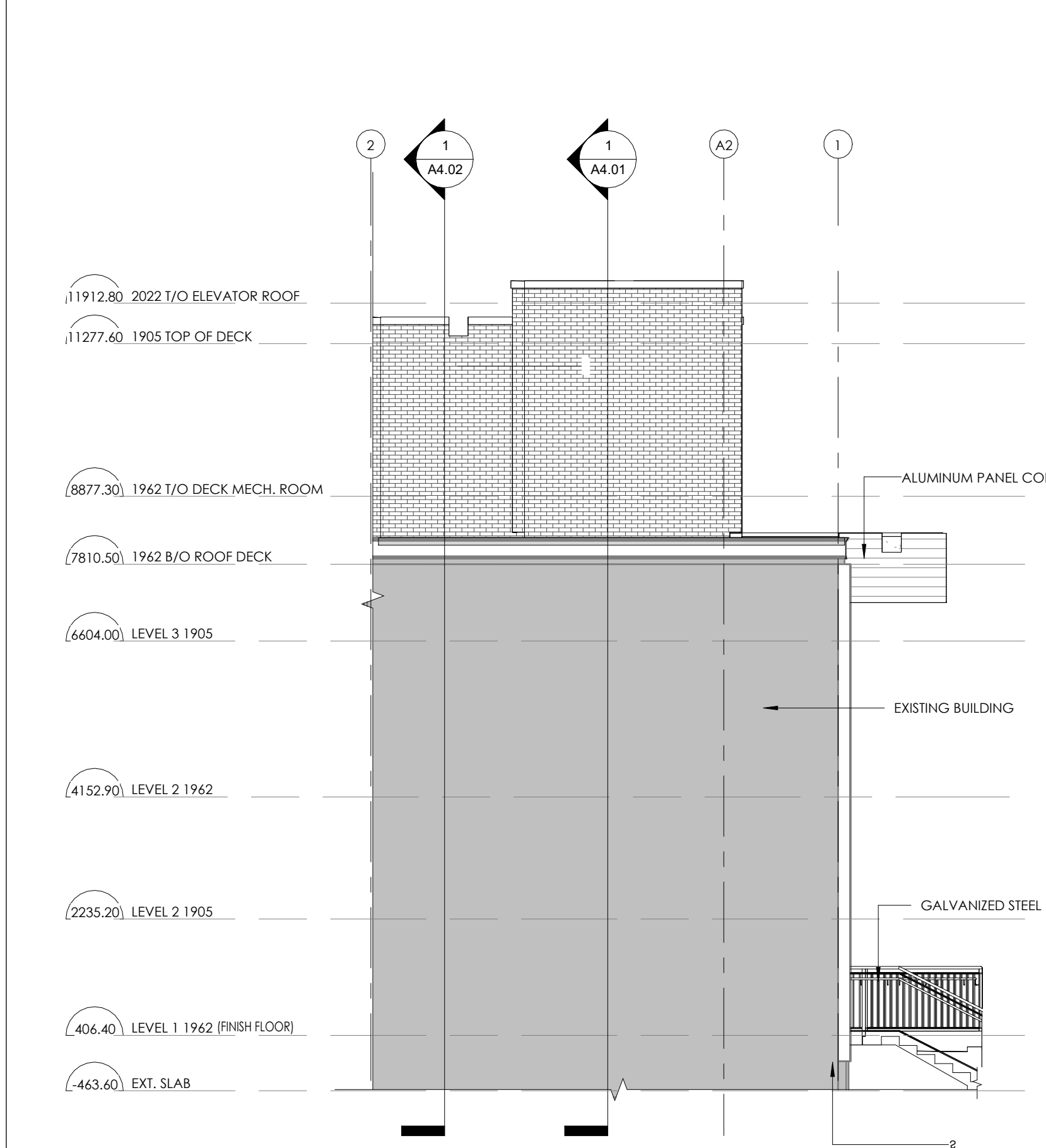
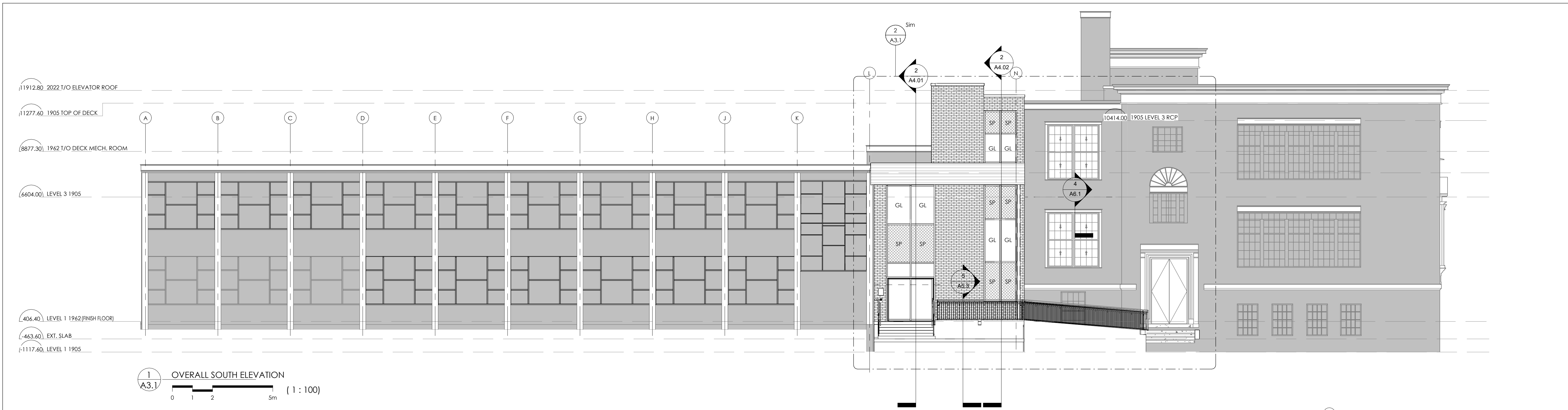
**VG ARCHITECTS**  
 THE VENLIN GROUP LTD



ELEVATIONS

A3.1

Drawn by: Author/Checked by: PV/KC Scale: As indicated



**EXTERIOR ELEVATION LEGEND**

- DETAIL REFERENCE
- WALL SECTION REFERENCE
- BUILDING SECTION REFERENCE
- DATUM A/F/F LEVEL # (ABOVE FINISHED FLOOR)
- GRID LINE
- DOOR TYPE (COORD. W/ DOOR SCHEDULES)
- WINDOW # / CURTAIN WALL #
- WALL TYPE
- SCREEN #
- LIGHT FIXTURES
- SIAMESE CONNECTION / FIRE FIGHTERS CONNECTION (800mm A/F GRADE)
- CONTROL JOINT LOCATION (COORD. W/ A4 SERIES & ELEVATIONS FOR TYP. DETAIL) (COORD. W/ MASONRY MODULE) (MAX. DISTANCE 7.5 - 9m (25 - 30FT.)) (SUBMIT SHOP DWG. 3)
- SCUPPER DRAIN LOCATION (SCUPPER DRAINS ARE LOCATED IN THE GENERAL LOCATION ON ROOF PLAN (A.2/4) (MAX. DISTANCE 7.5 - 9m (25 - 30FT.)) (SUBMIT SHOP DWG. 3)

**HATCH IDENTIFICATION MARKER LEGEND**

- BRICK MASONRY VENEER (BRICK 1, BRICK 2) CONFORM WITH SPECS.
- ALUMINUM COMPOSITE PANEL
- PREFIN. METAL SIDING (A3000) COLOUR TBD
- VISION GLAZING (DOUBLE INSUL UNIT)
- SPANDREL GLAZING W/ INSUL. METAL BACKPAN

**GENERAL NOTES**

- COLOUR OF DURANAR PAINT FOR OPERATORS, GLAZING STOPS TO BE SELECTED BY ARCHITECT FROM MANUF. FULL RANGE INCLUDING CUSTOM.
- ALL GLAZING LOWER THAN 1070mm TO BE DESIGNED TO WITHSTAND THE LOADING ON GUARDS AS PER CBC S8-13, WHERE THE DIFFERENCE IN ELEV. BETWEEN THE ADJACENT GROUND OR FUR. LEVEL IS MORE THAN 600mm TYP. (COORD. W/ GLASS & GLAZING 8800 SECTION)
- SHOP DWG. 3 TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG. OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE)

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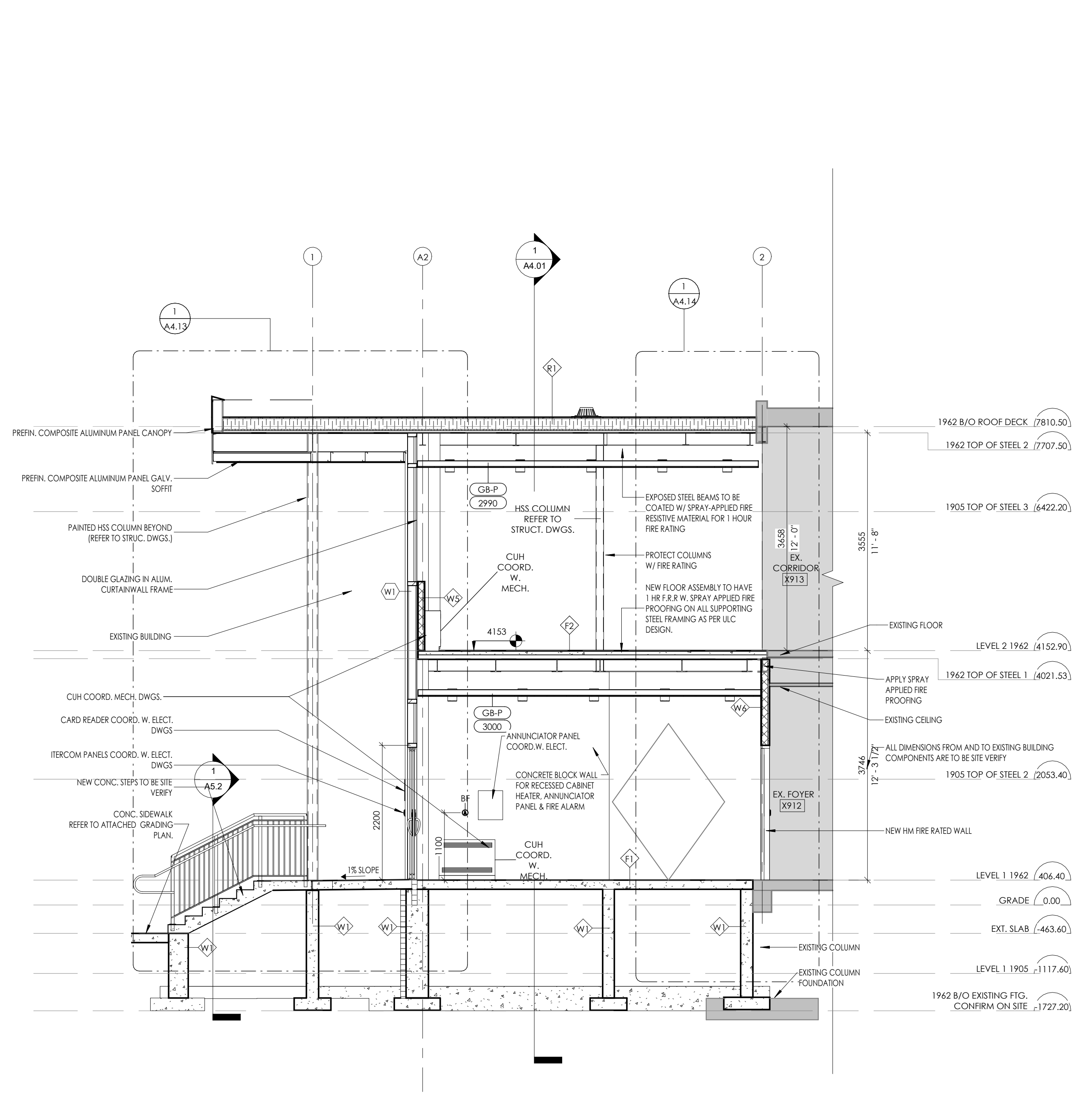
**VG ARCHITECTS**  
 THE VENTIN GROUP LTD

**BUILDING SECTIONS**

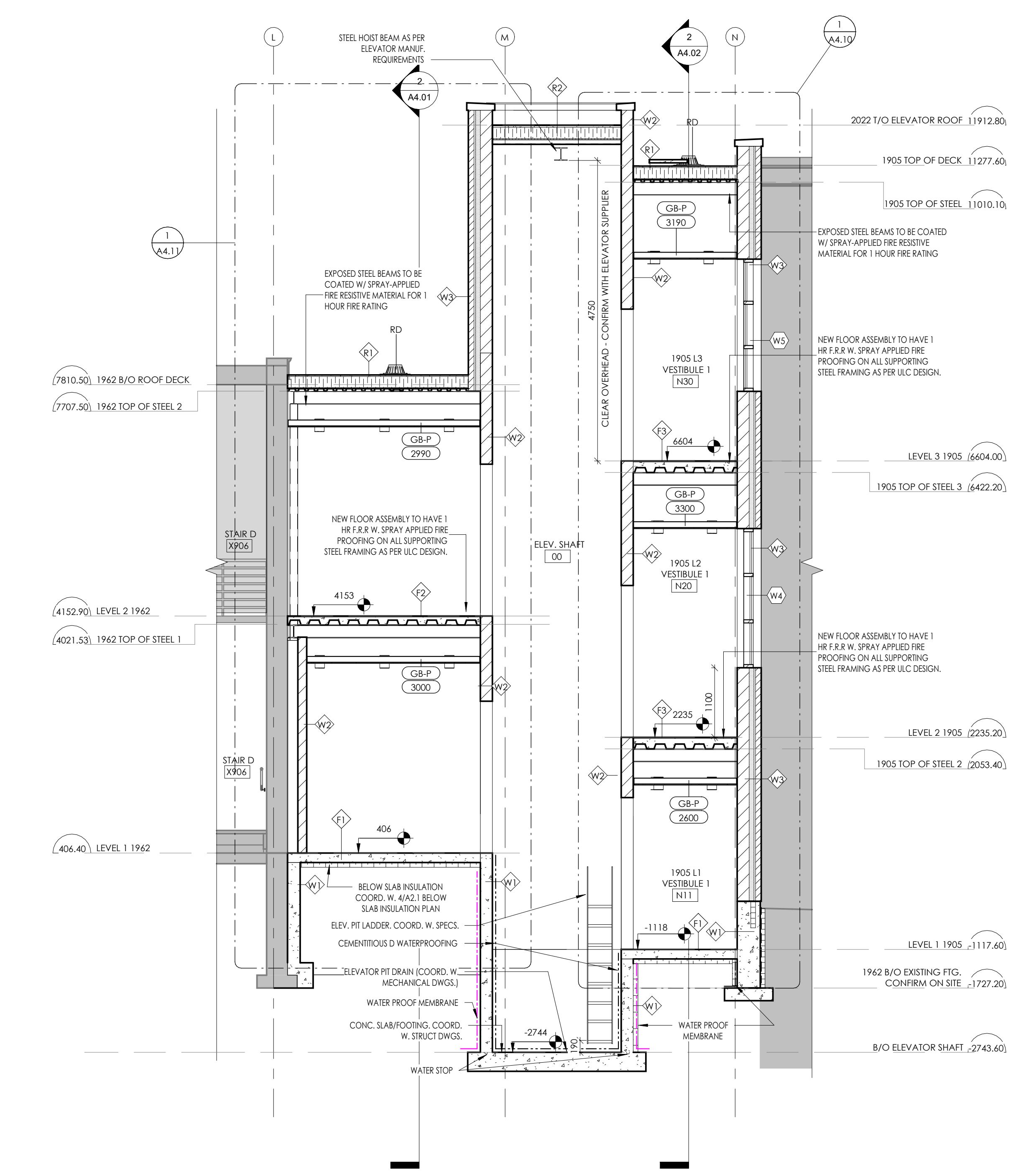
**A4.01**

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**2** BUILDING SECTION 2  
 A4.14 (1 : 50)



**1** BUILDING SECTION 1  
 A4.11 (1 : 50)

**A4.01**

Revision Schedule		
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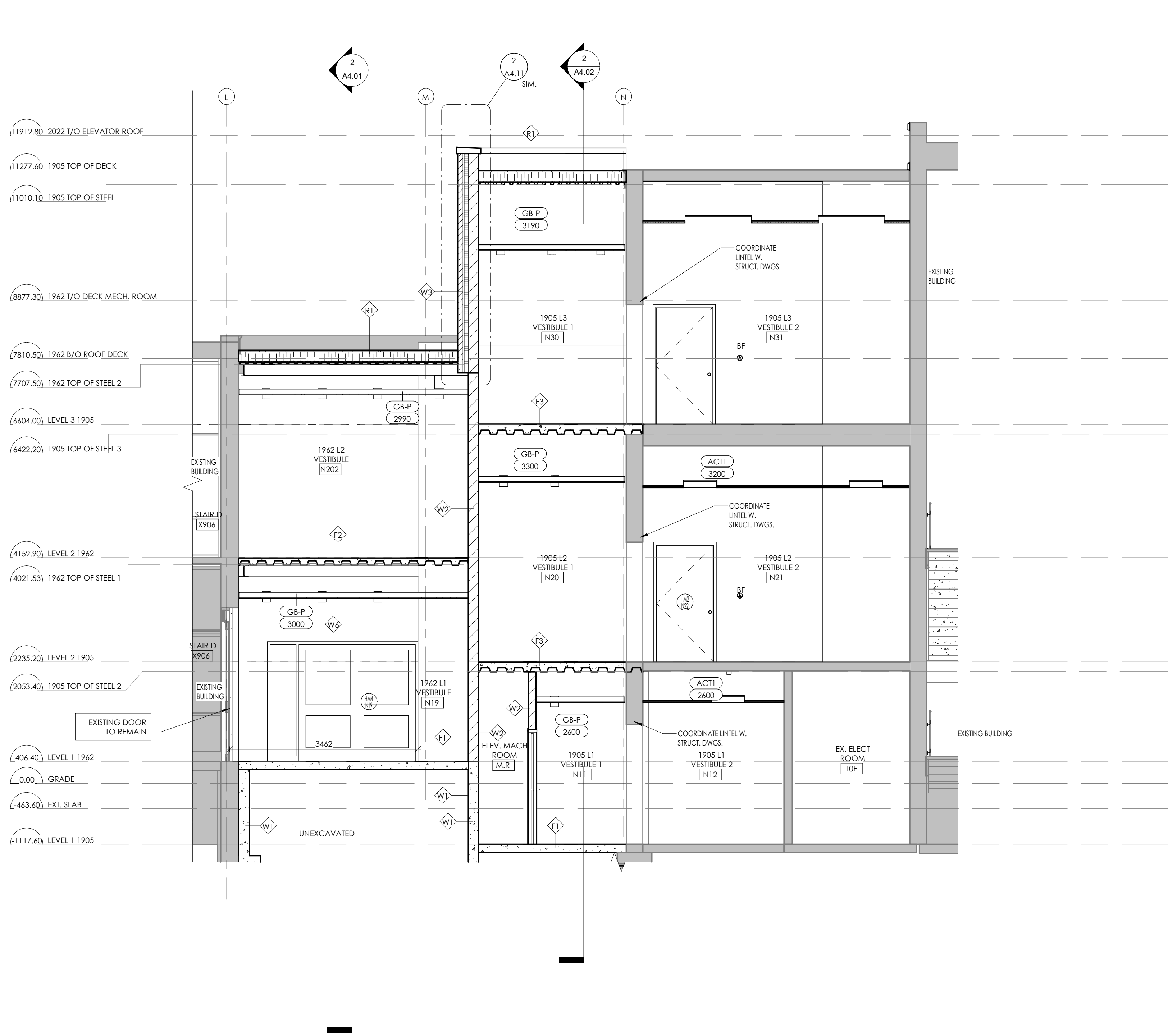


**VG ARCHITECTS**  
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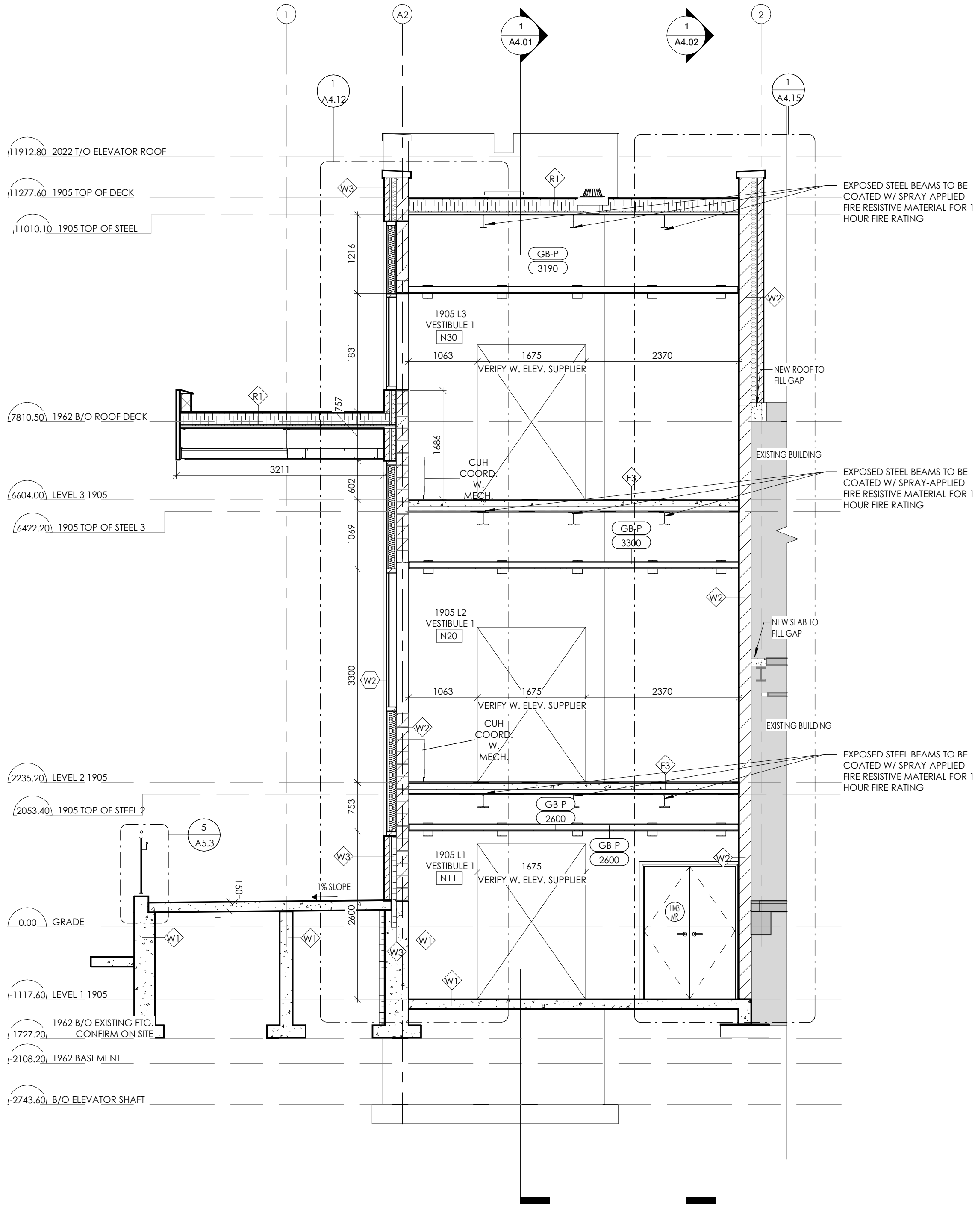
**BUILDING SECTIONS**

**A4.02**

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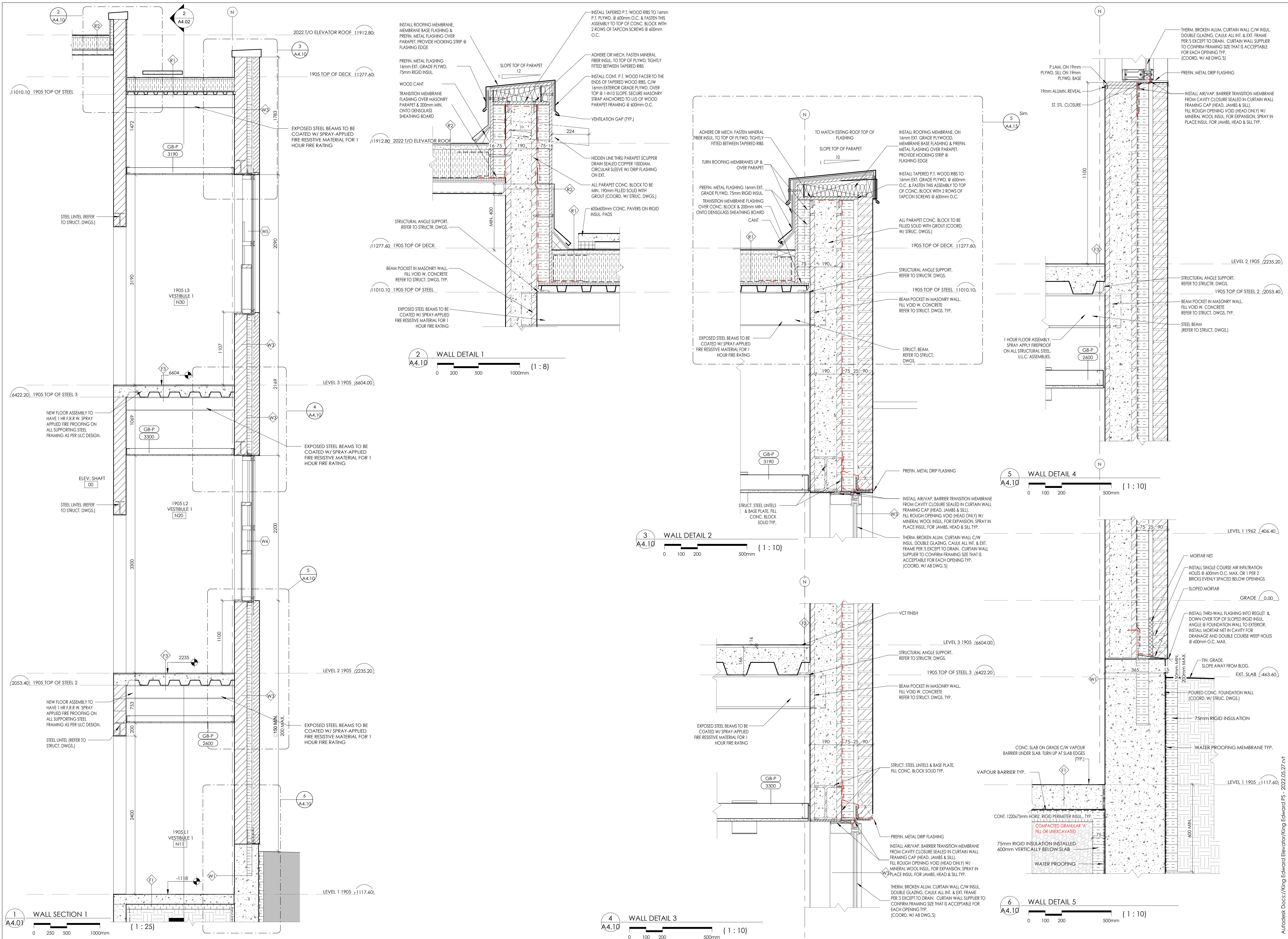
**1**  
 A4.02 BUILDING SECTION 4 (1 : 50)



**2**  
 A4.02 BUILDING SECTION 3 (1 : 50)

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Waterloo Region District School Board

**CLIENT**  
 WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**ARCHITECTS**  
 THE VENTIN GROUP LTD

ONTARIO ASSOCIATION OF ARCHITECTS  
 PAUL JOHN SPURDIN  
 LICENSE 6439

**+VVG ARCHITECTS**  
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**WALL SECTION & DETAILS**

**A4.10**

2023-04-05 11:26:55 AM

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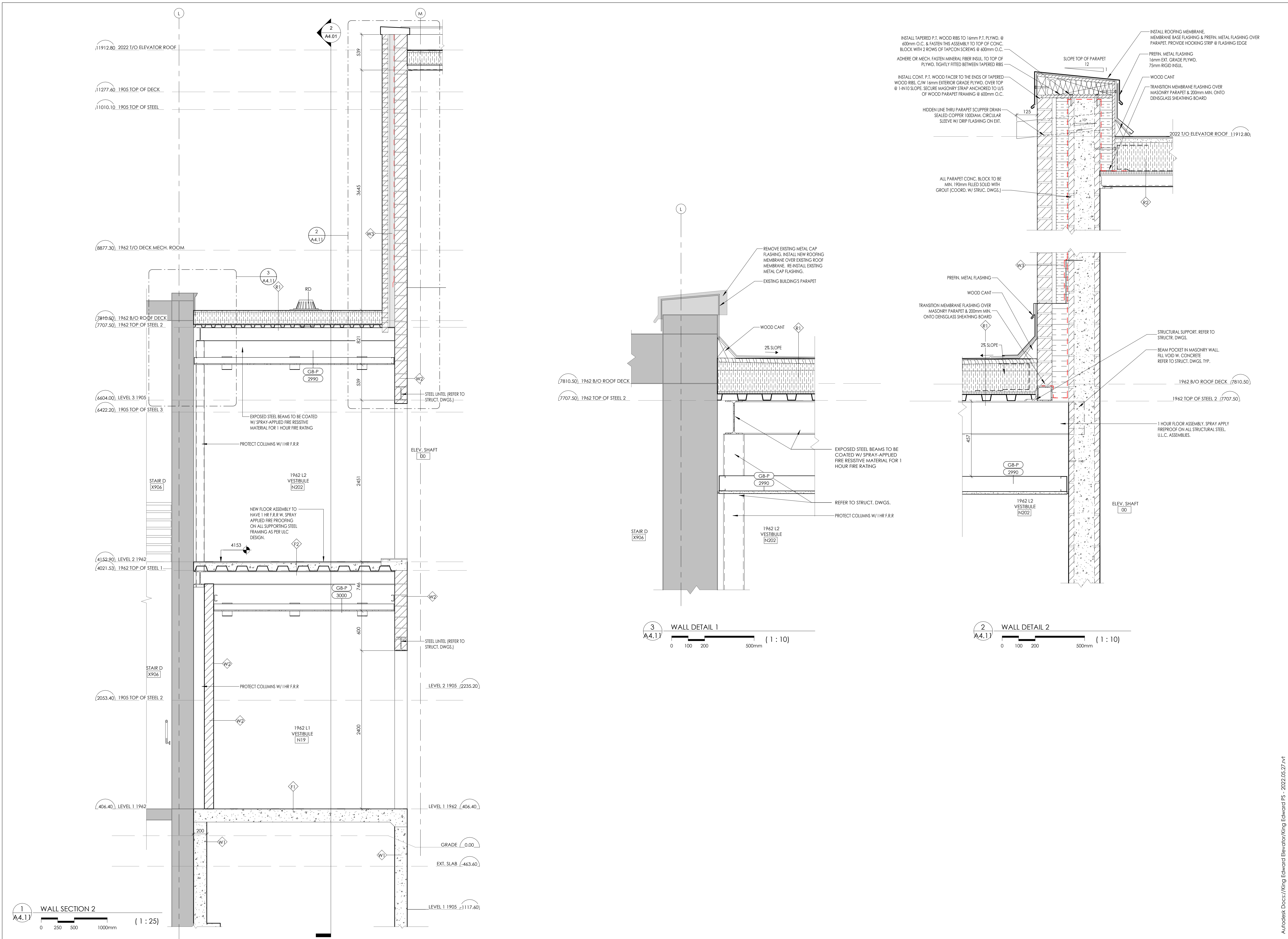


**WALL SECTION & DETAILS**

**A4.11**

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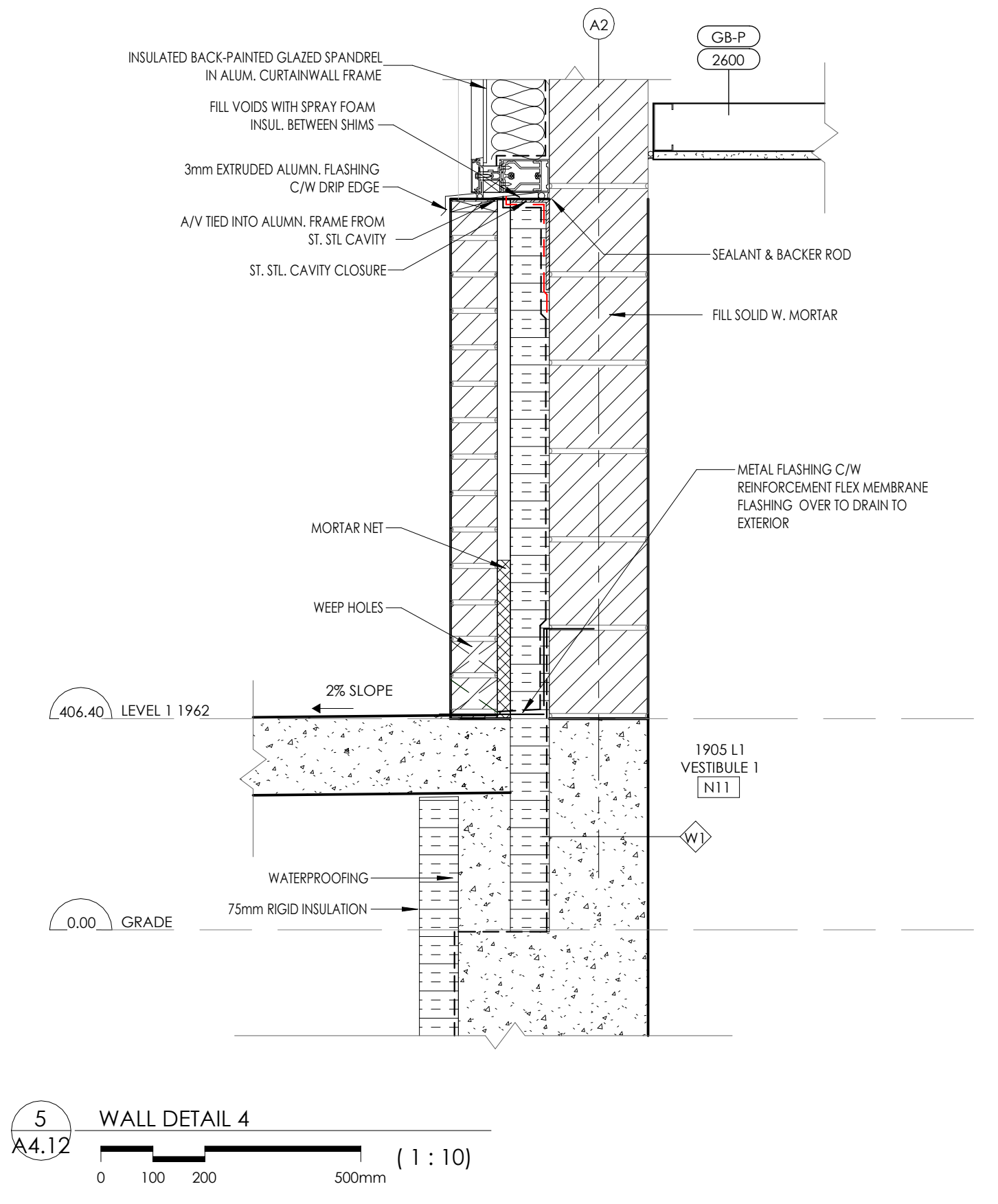
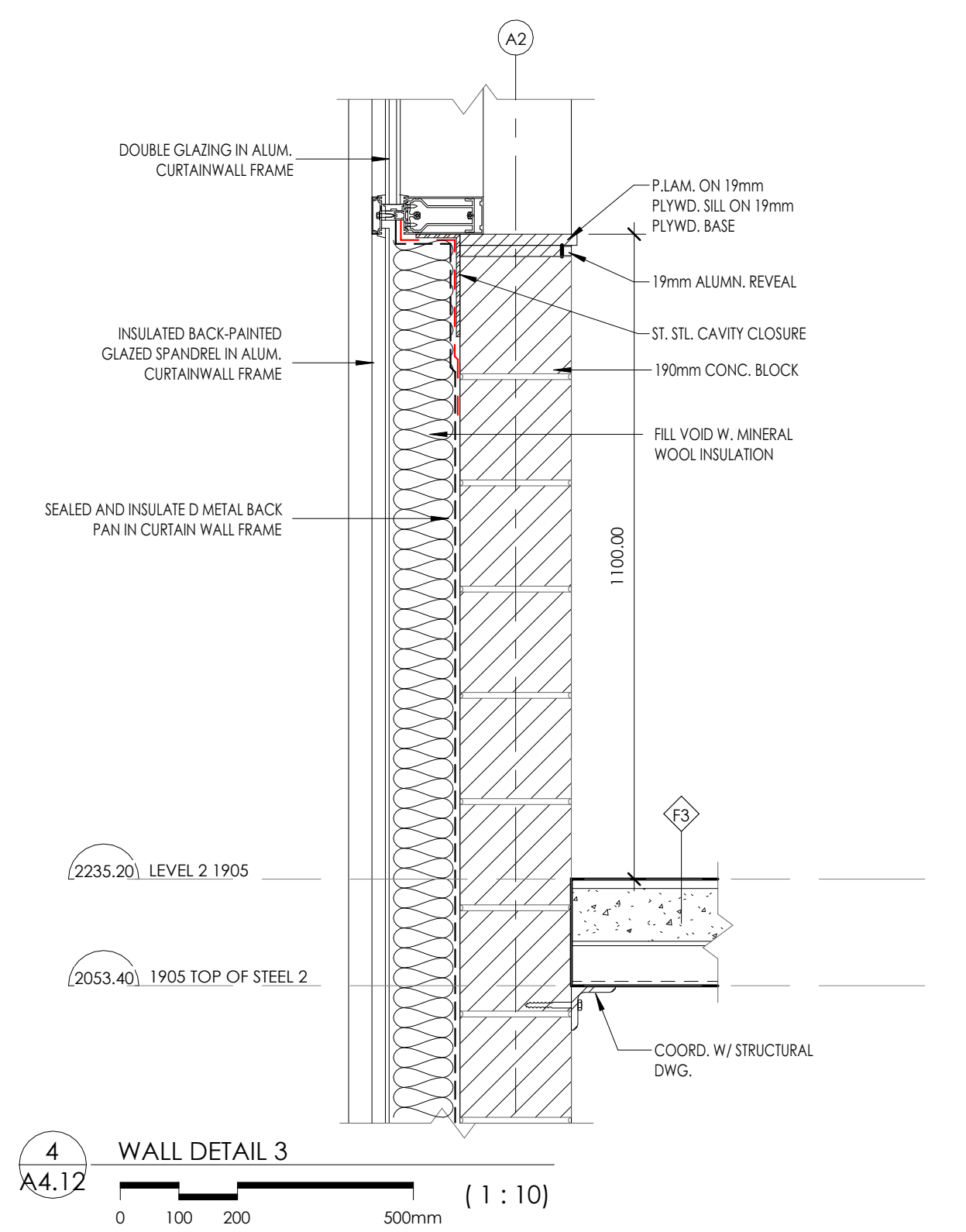
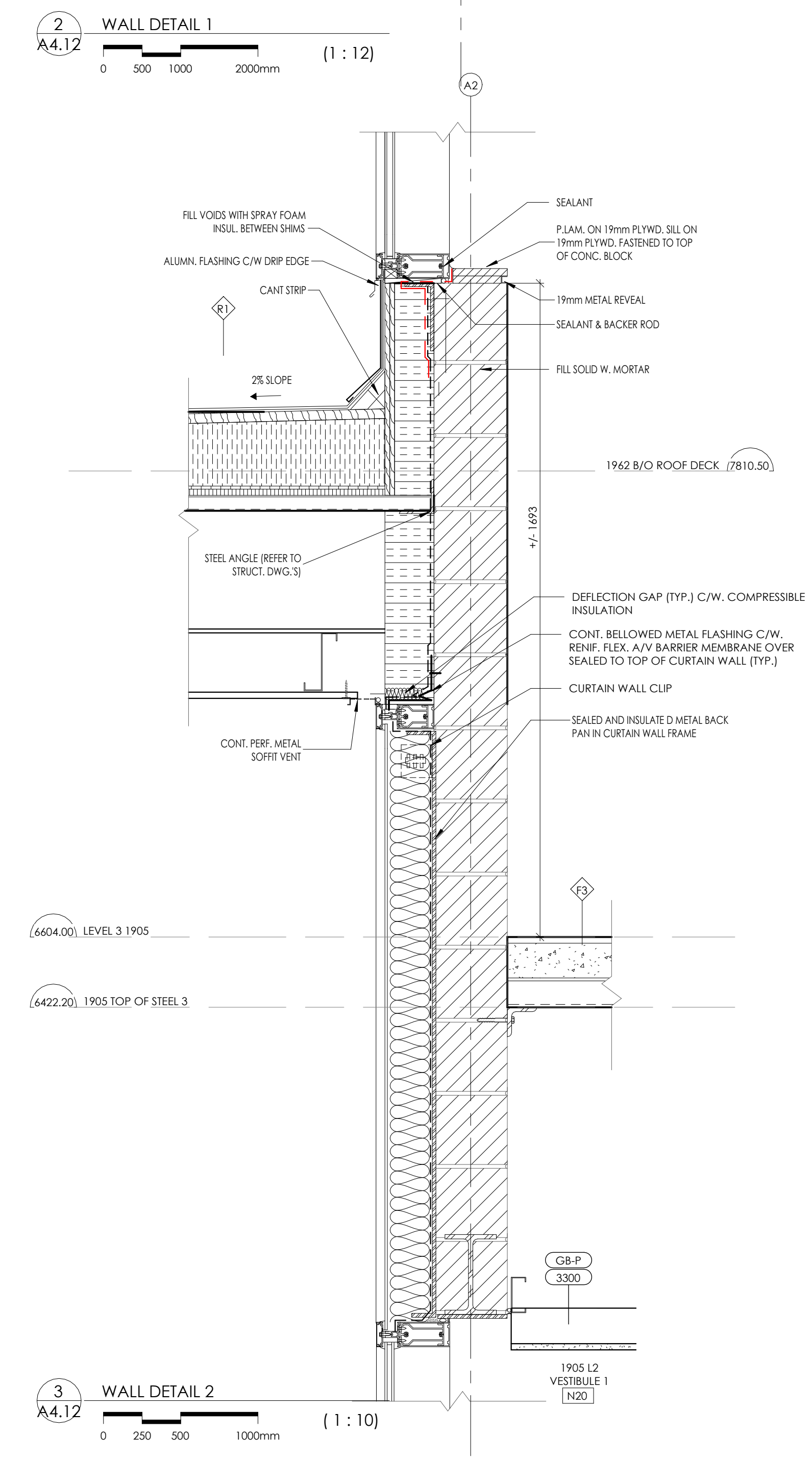
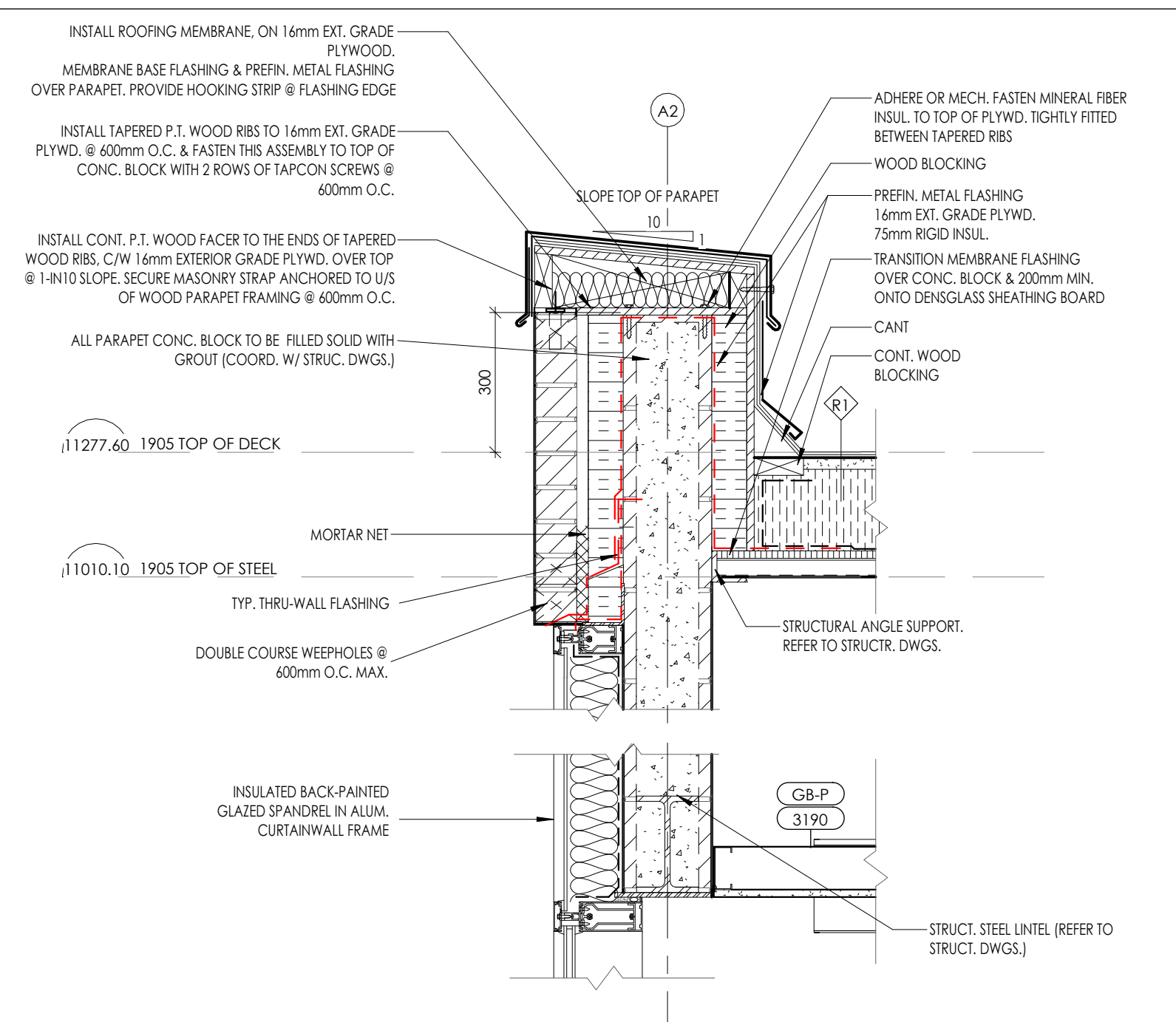
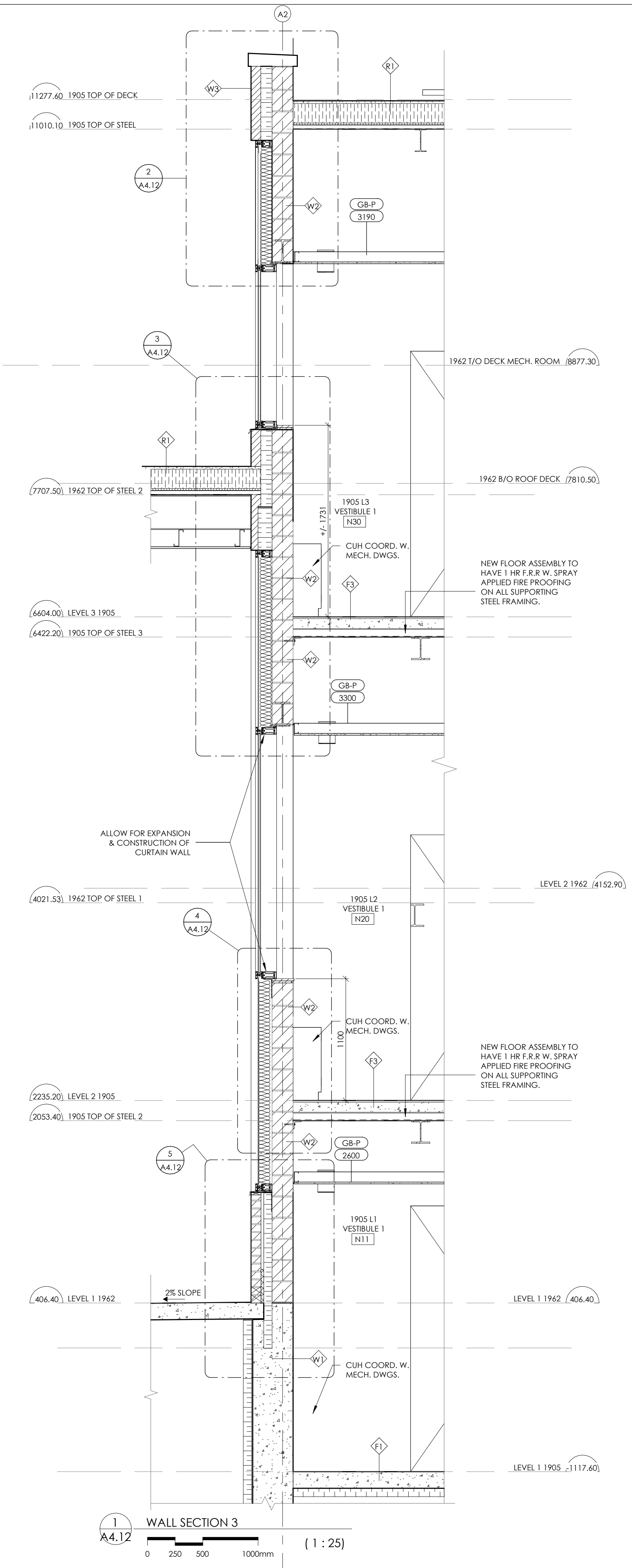


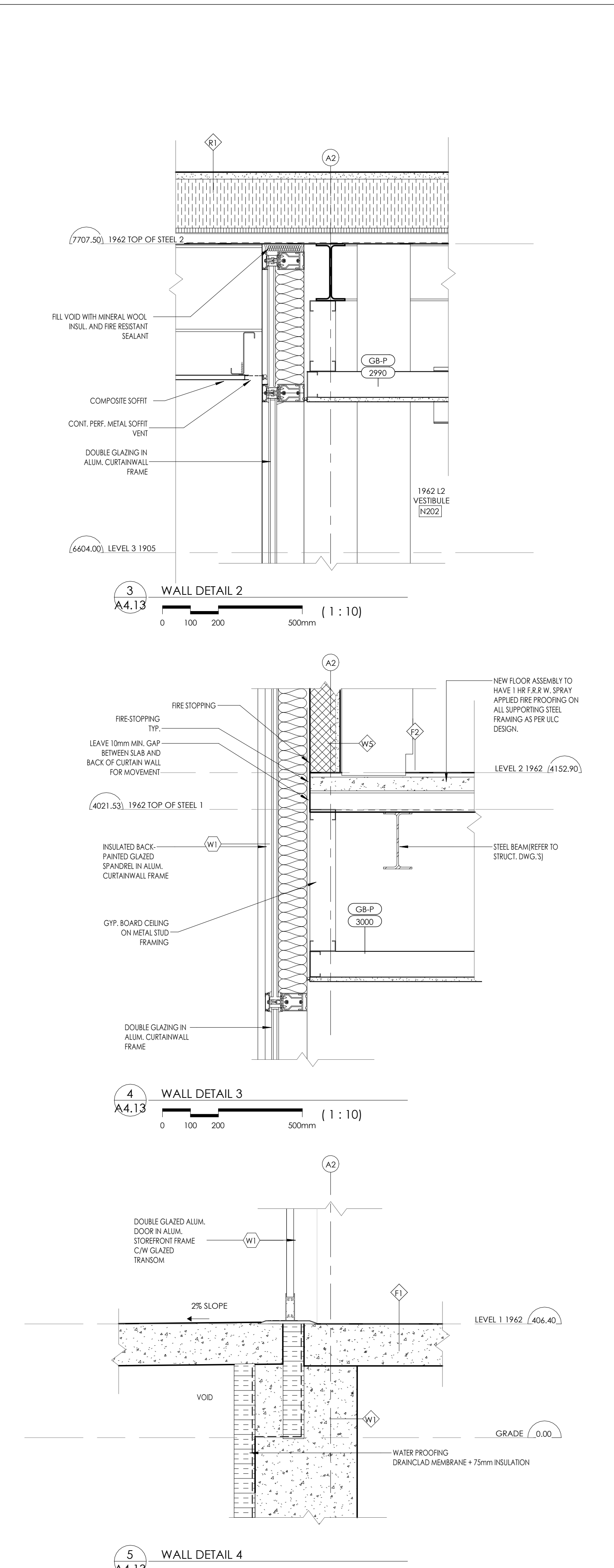
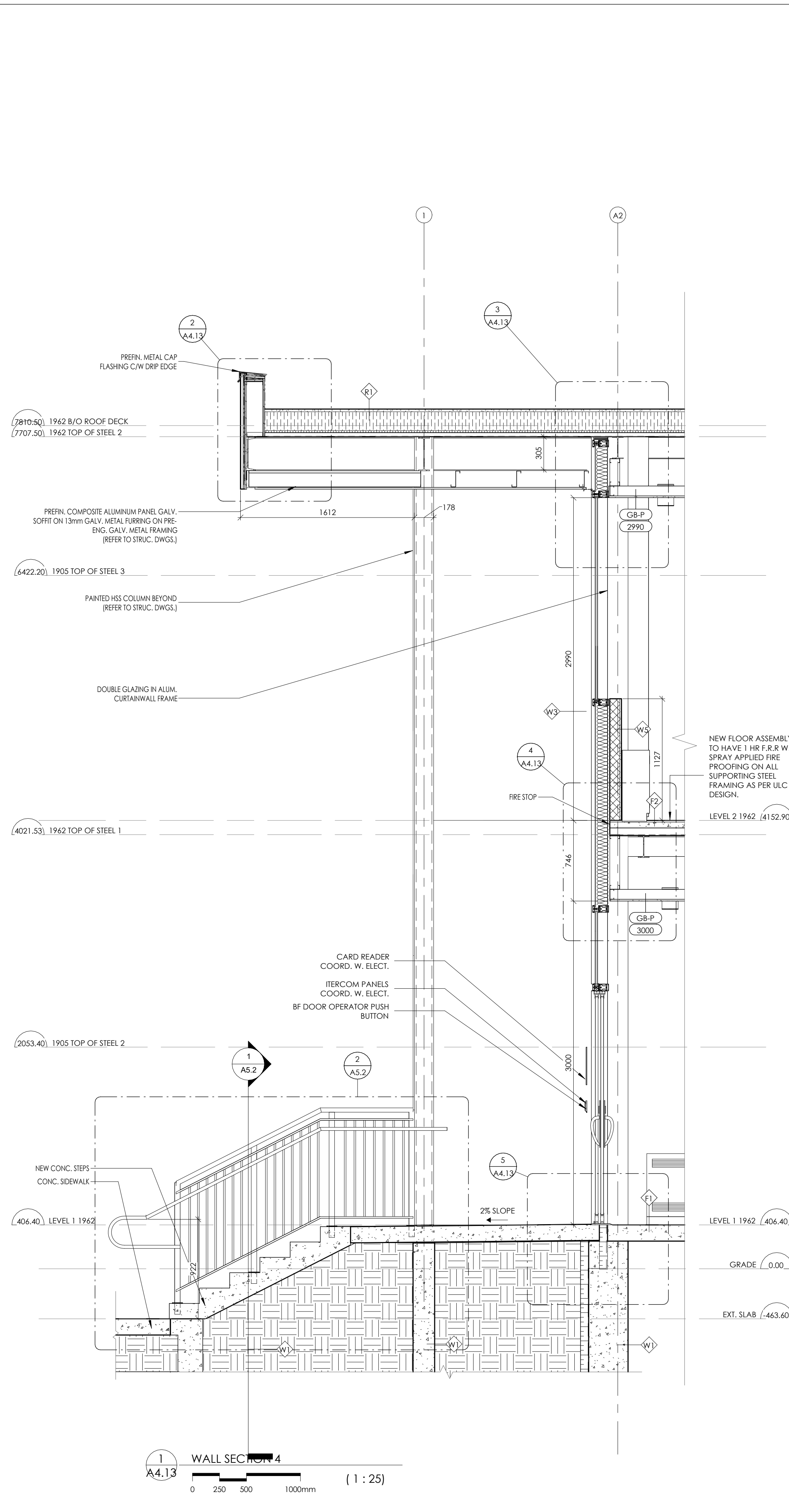
**WALL SECTION & DETAILS**

**A4.12**

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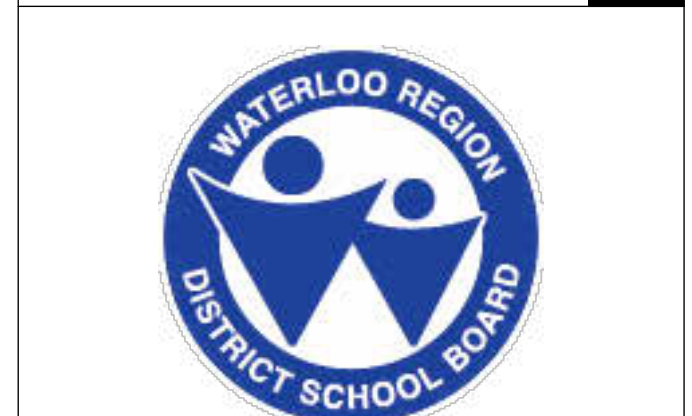
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 A4.13  
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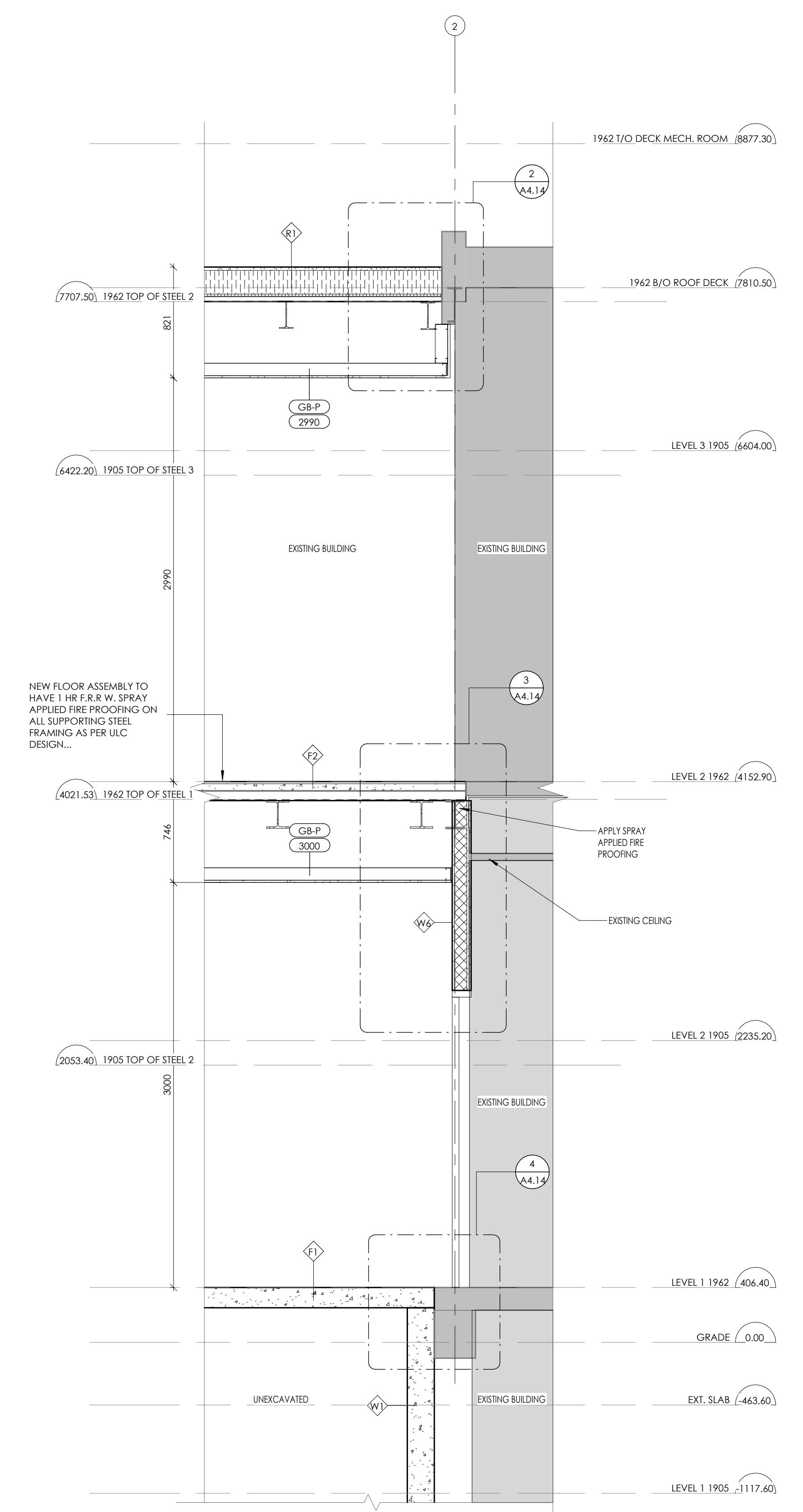
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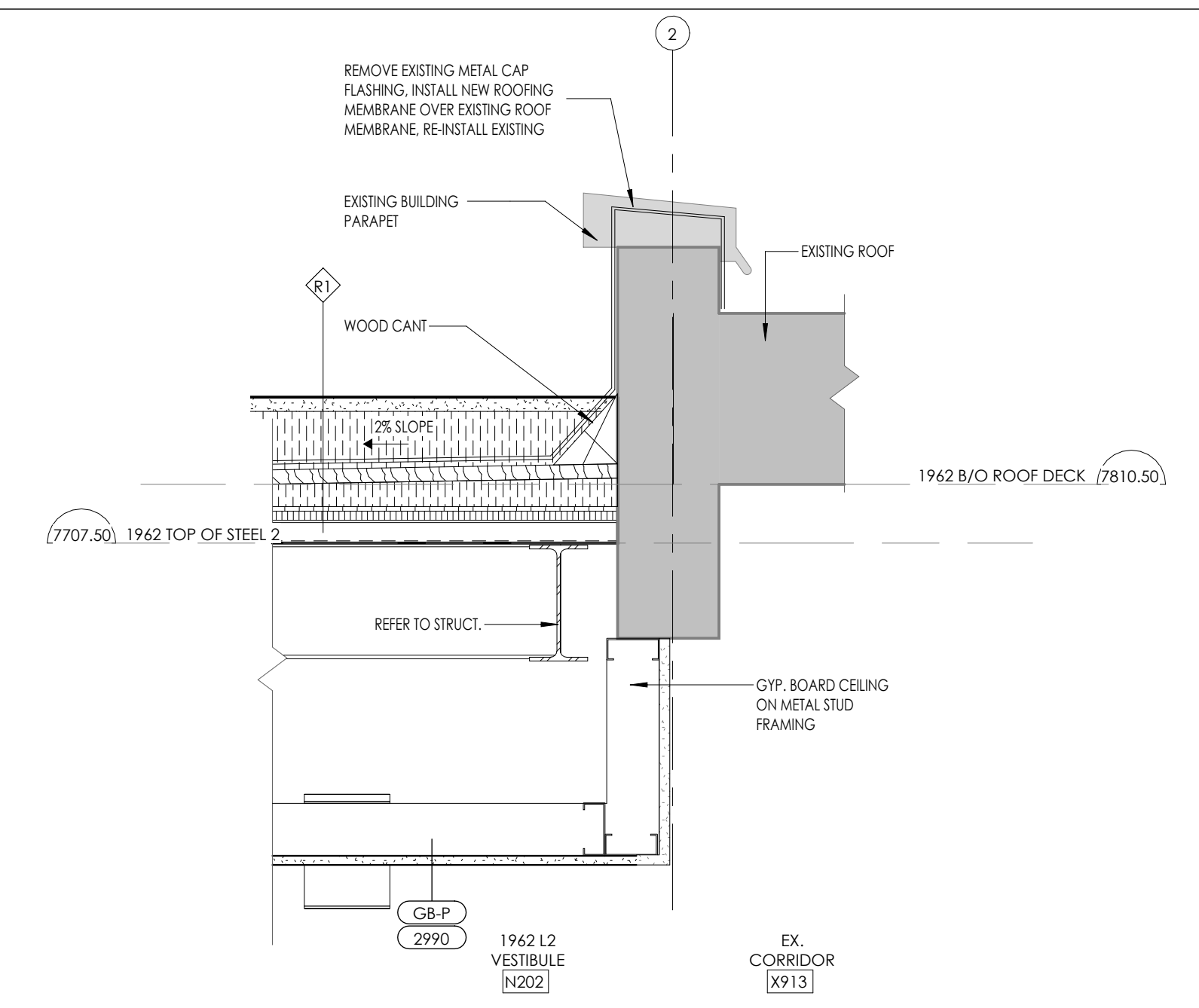
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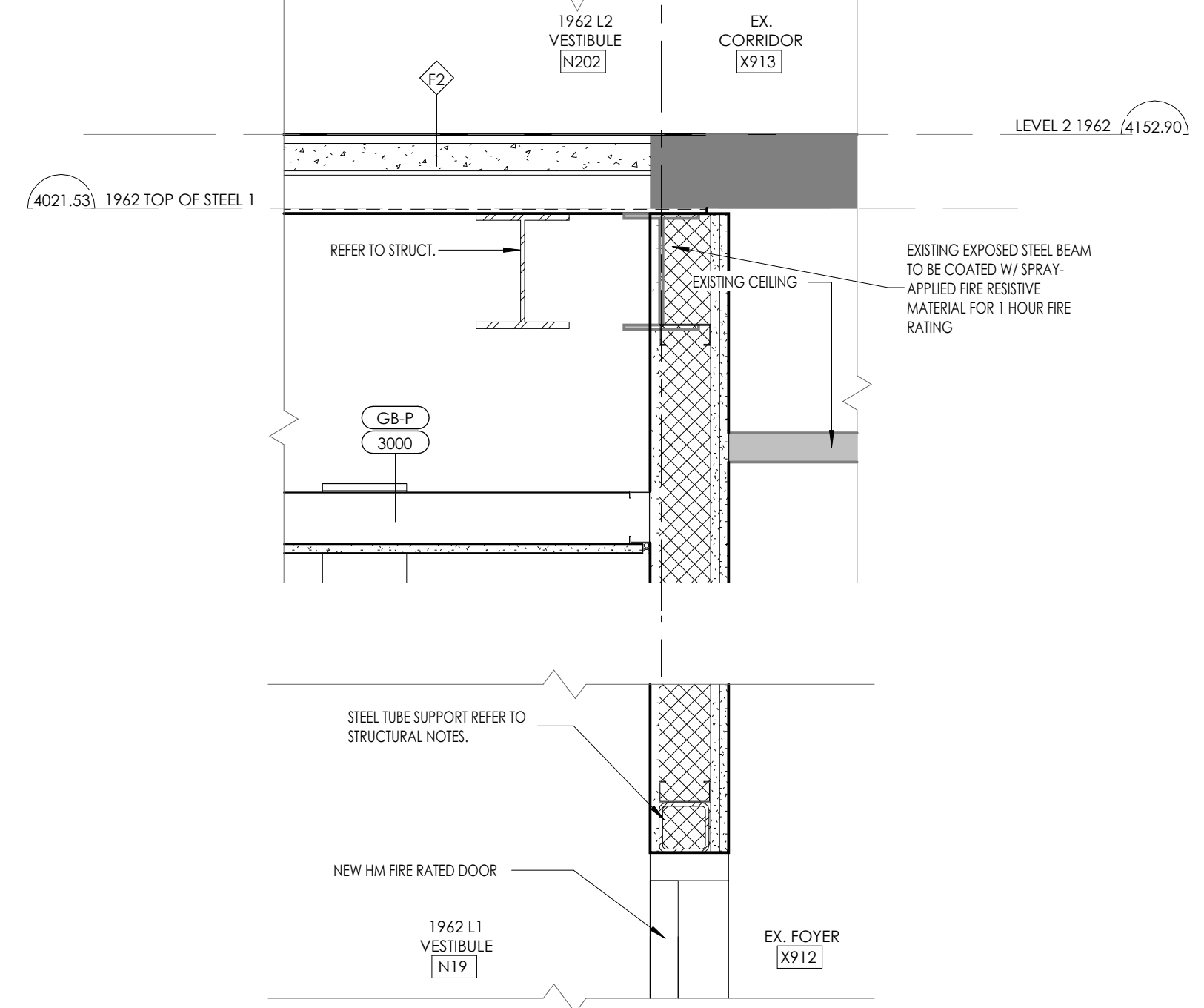
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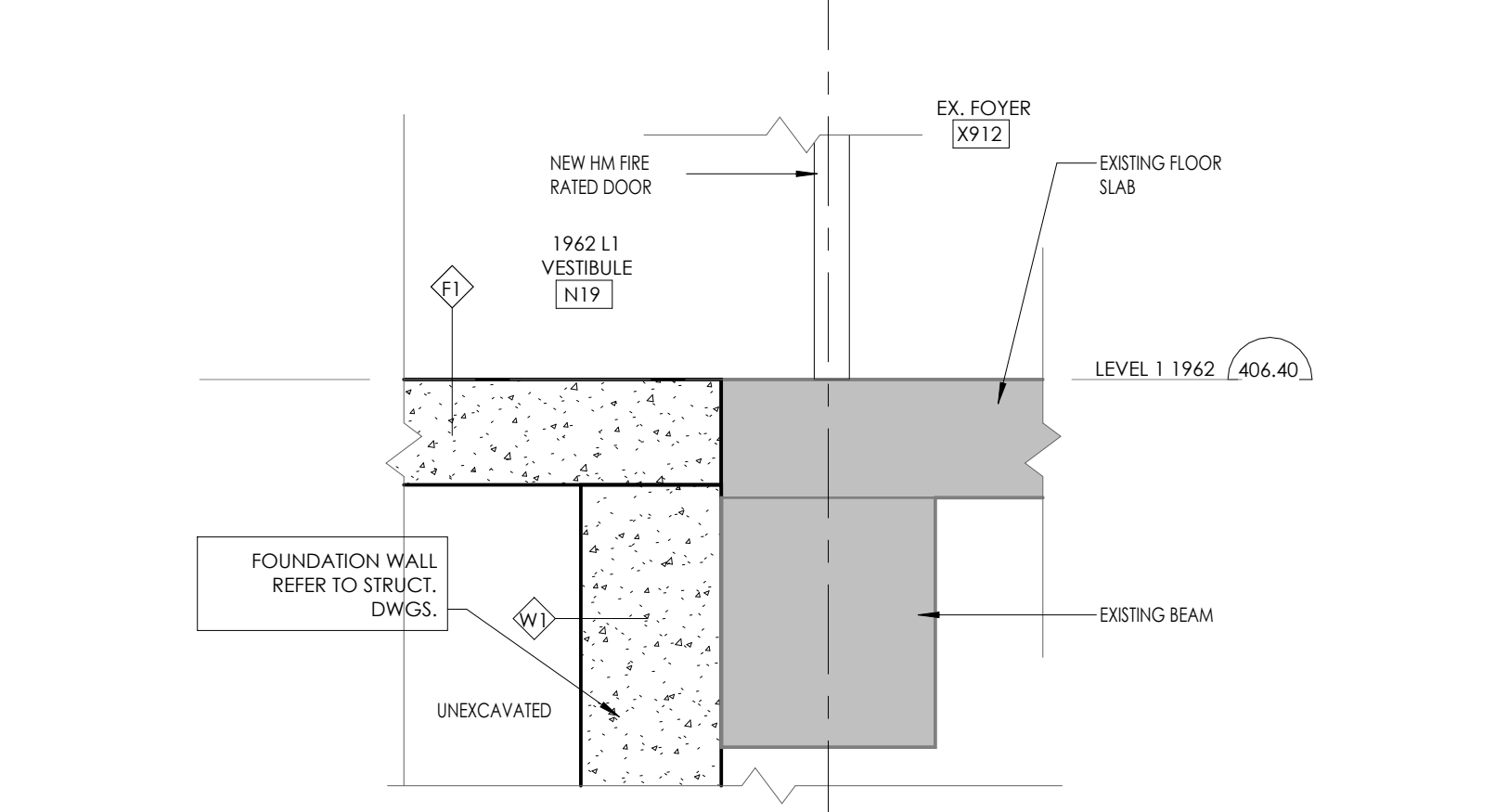
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 A4.14 (1 : 25)  
 0 500 1000 2000mm



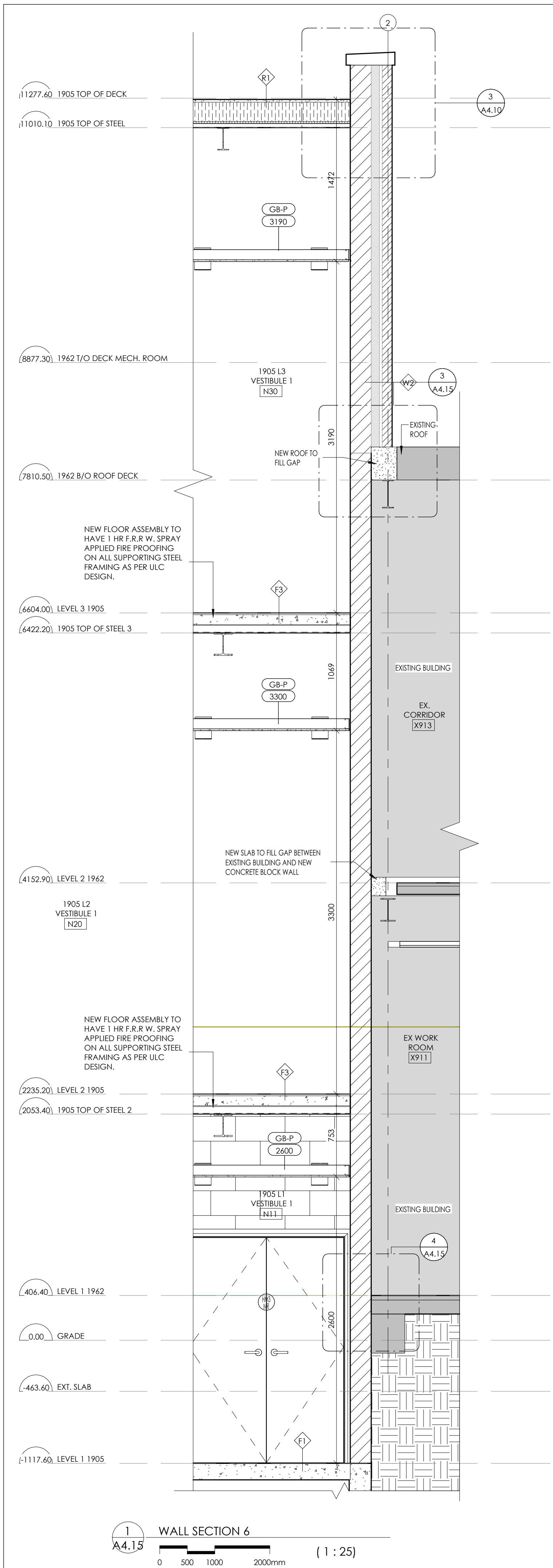
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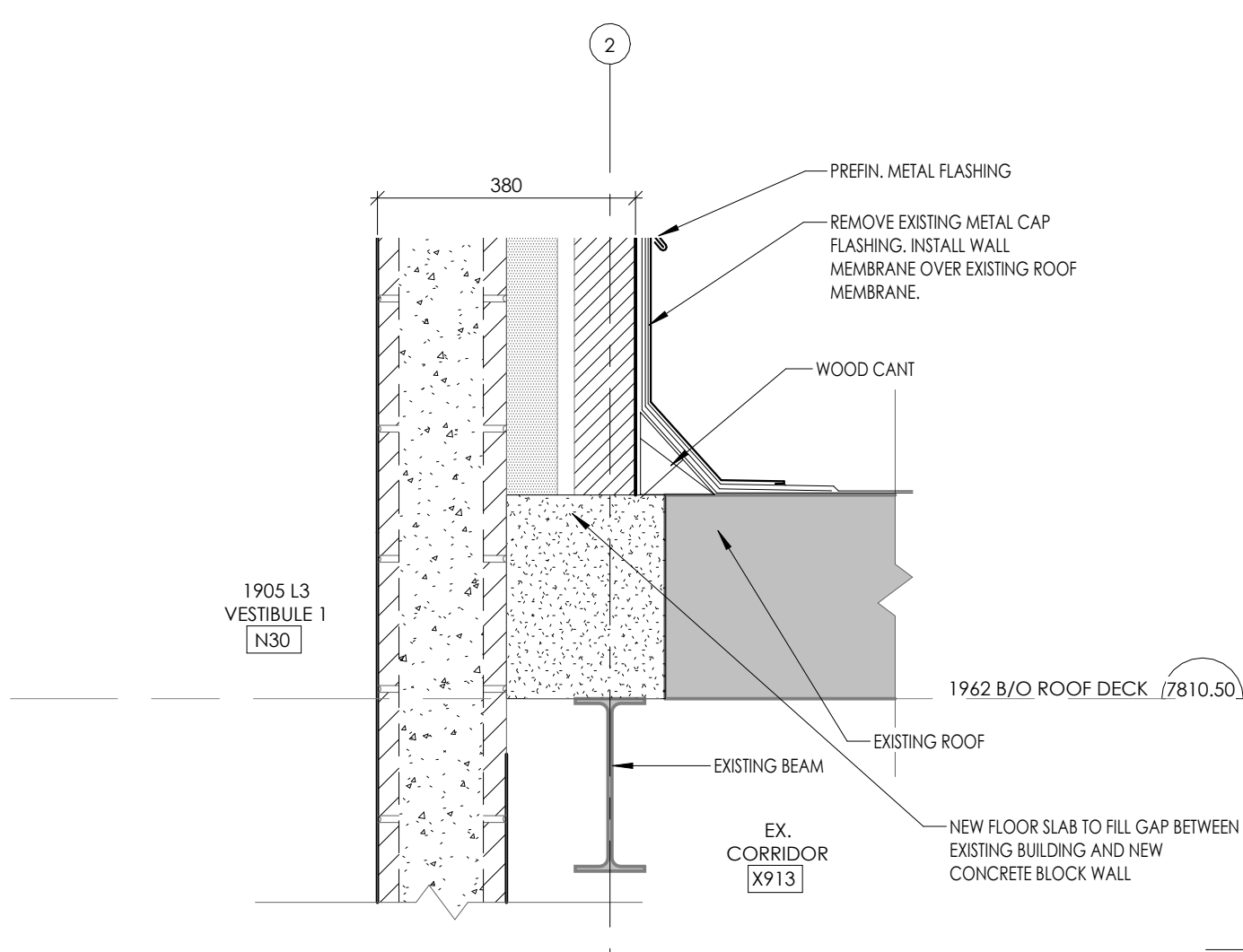
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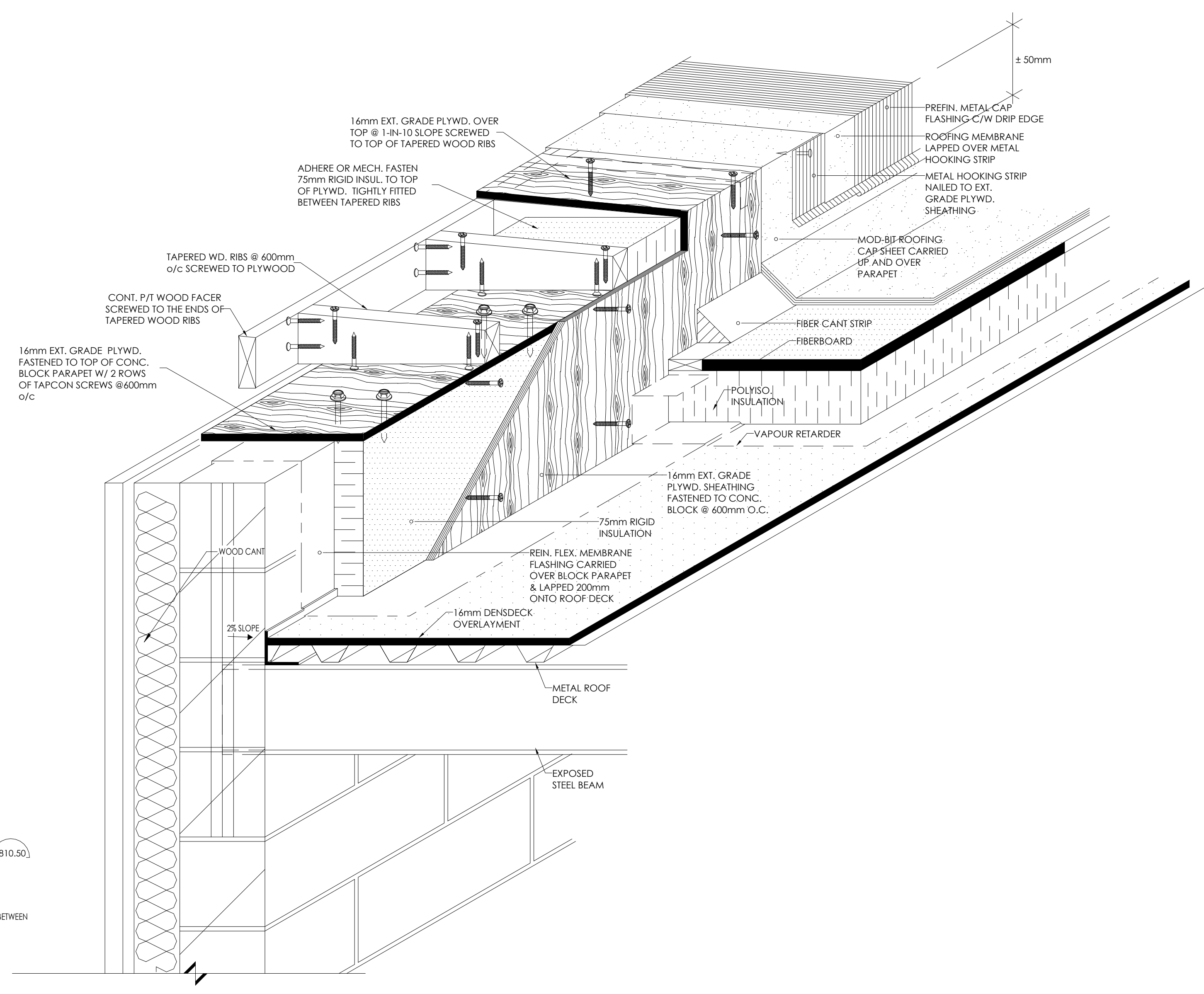
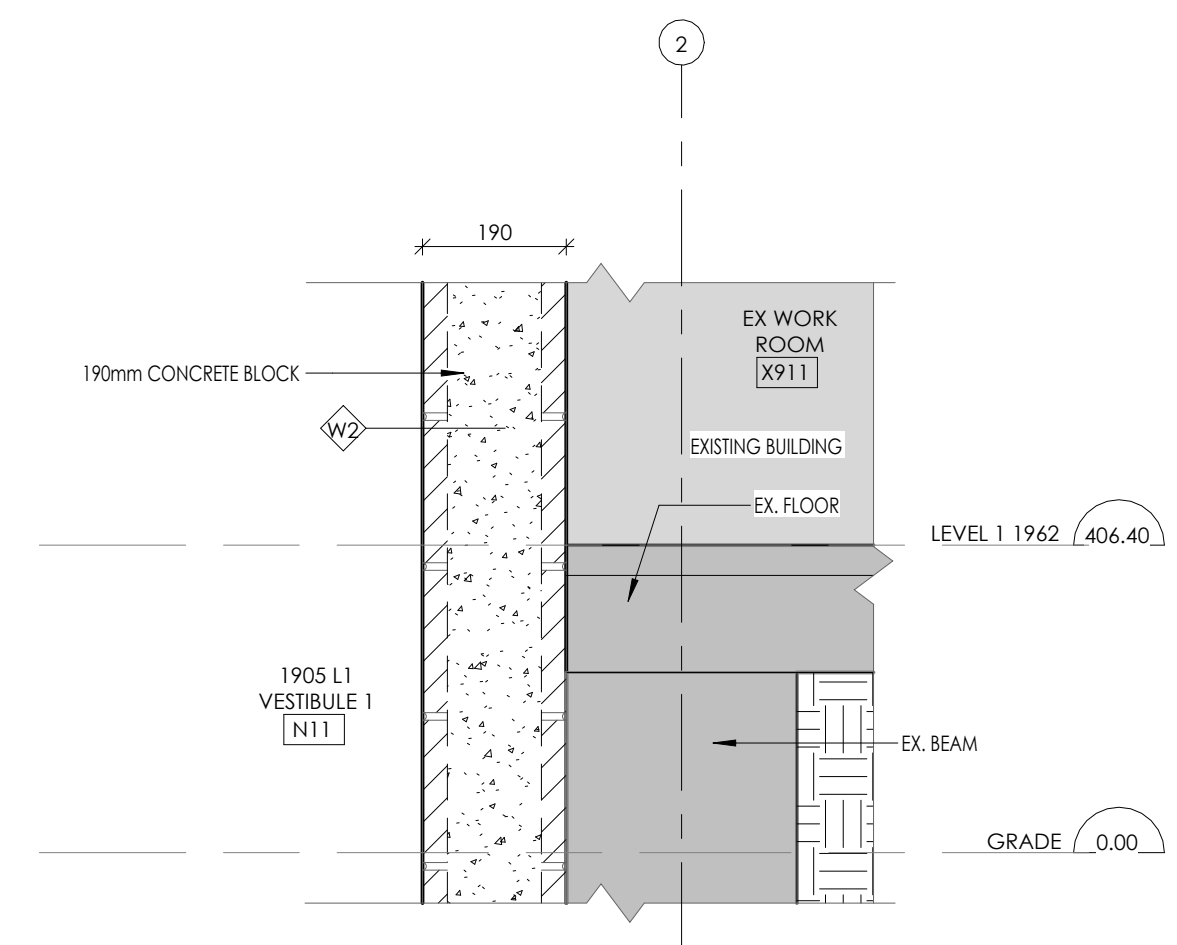
**4 WALL DETAIL 3**  
 A4.14 (1 : 10)  
 0 500 1000 2000mm



3 WALL DETAIL 2 (1:10)  
A4.15  
0 500 1000 2000mm



4 WALL DETAIL 3 (1:10)  
A4.15  
0 500 1000 2000mm



5 PARAPET ISOMETRIC VIEW, SIM. (NTS)  
A4.15

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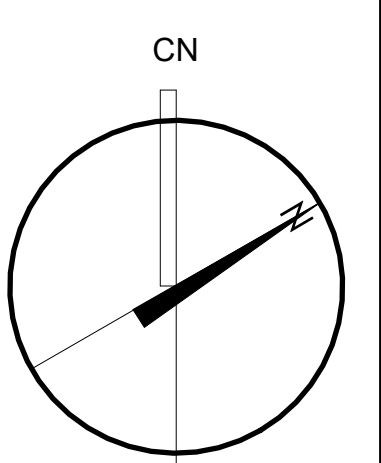


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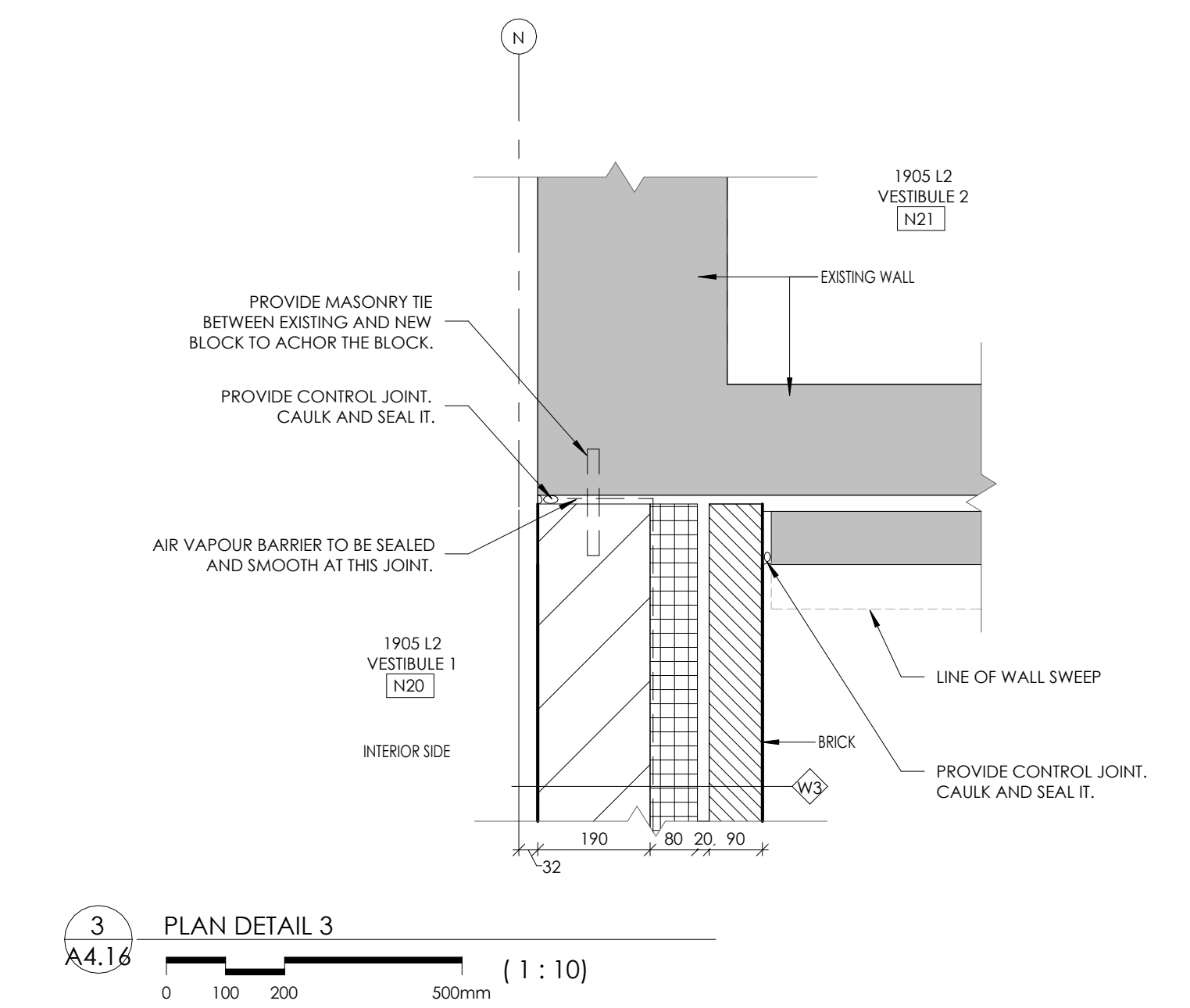


**PLAN SECTION DETAILS**

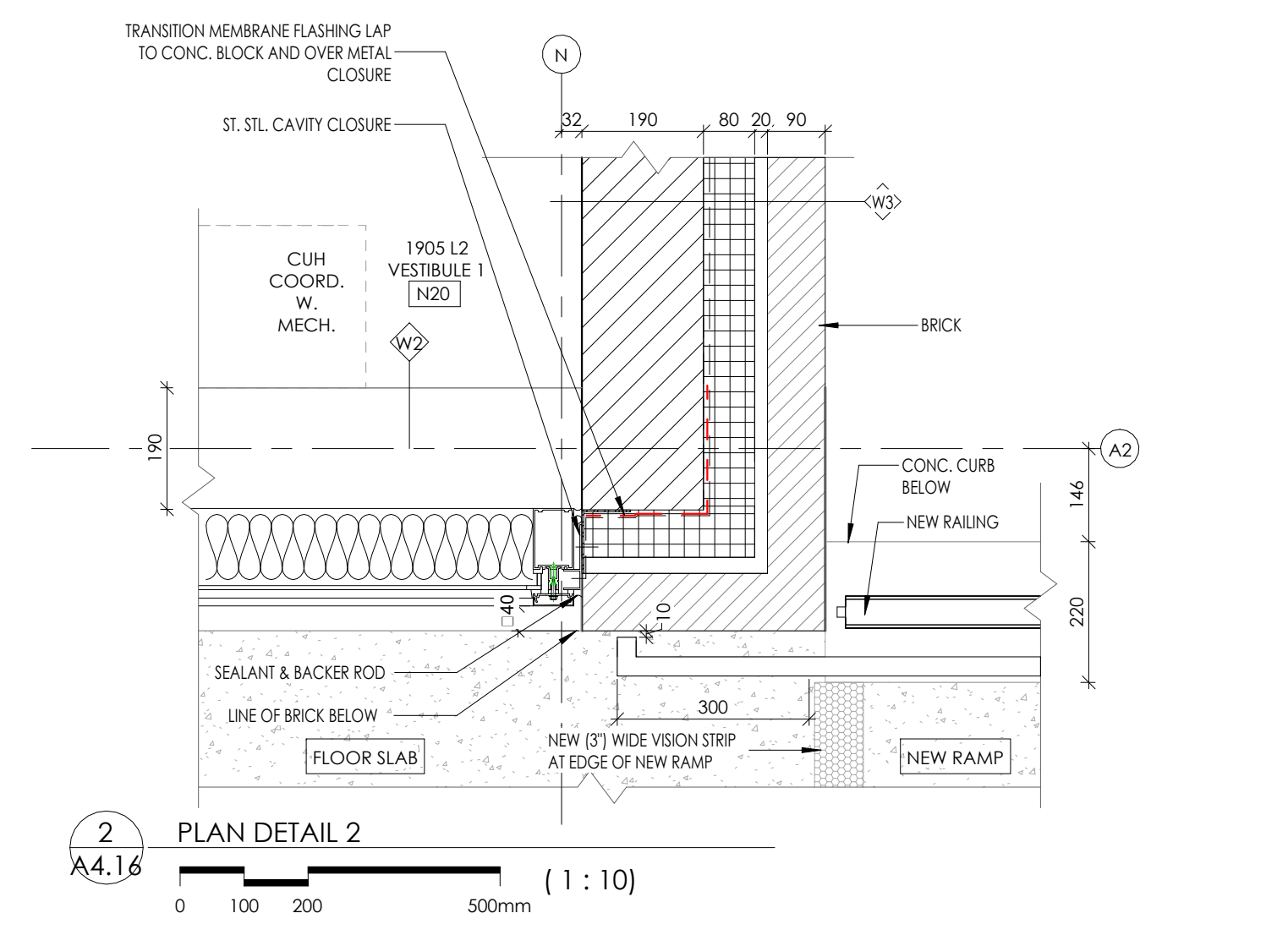
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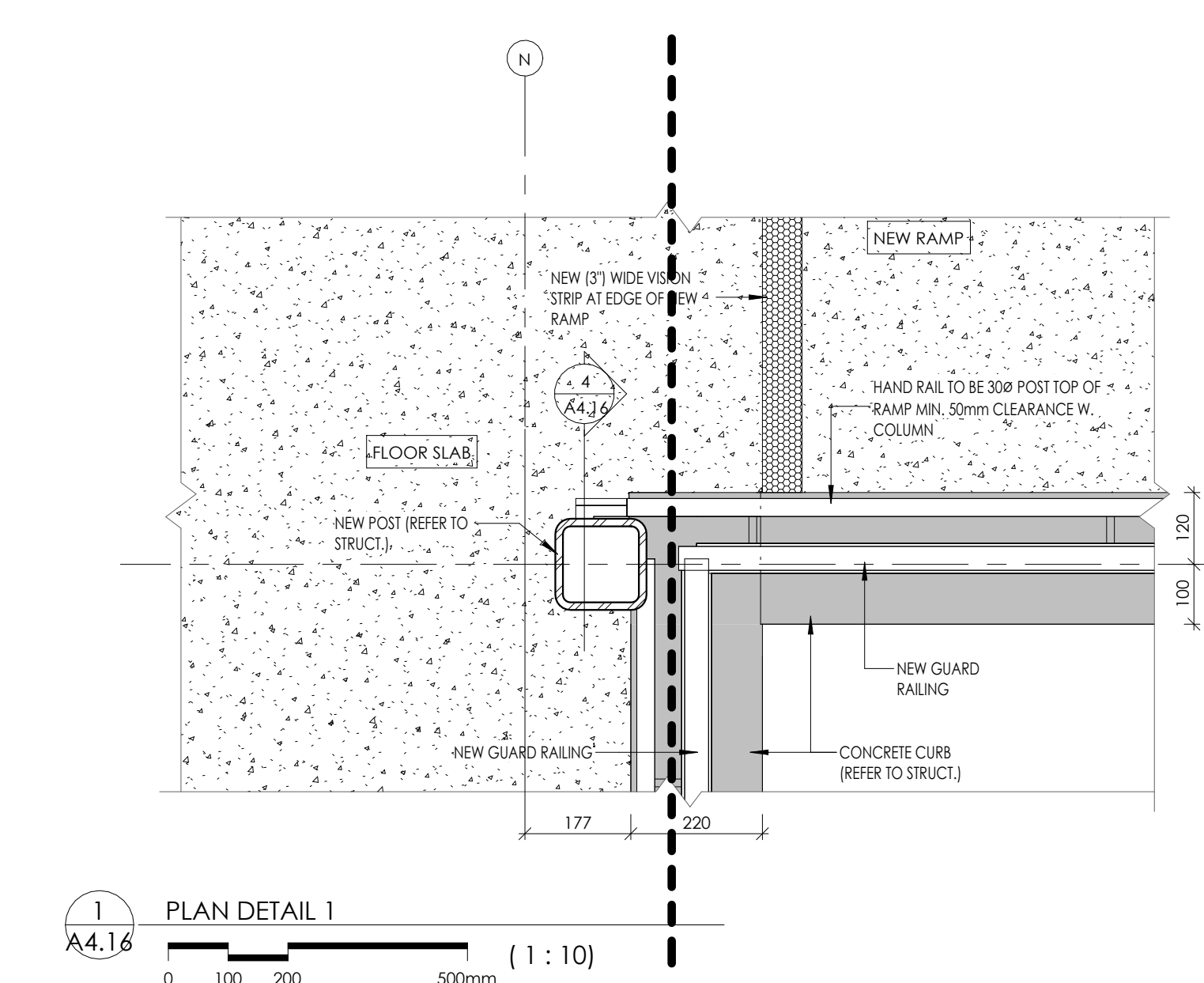
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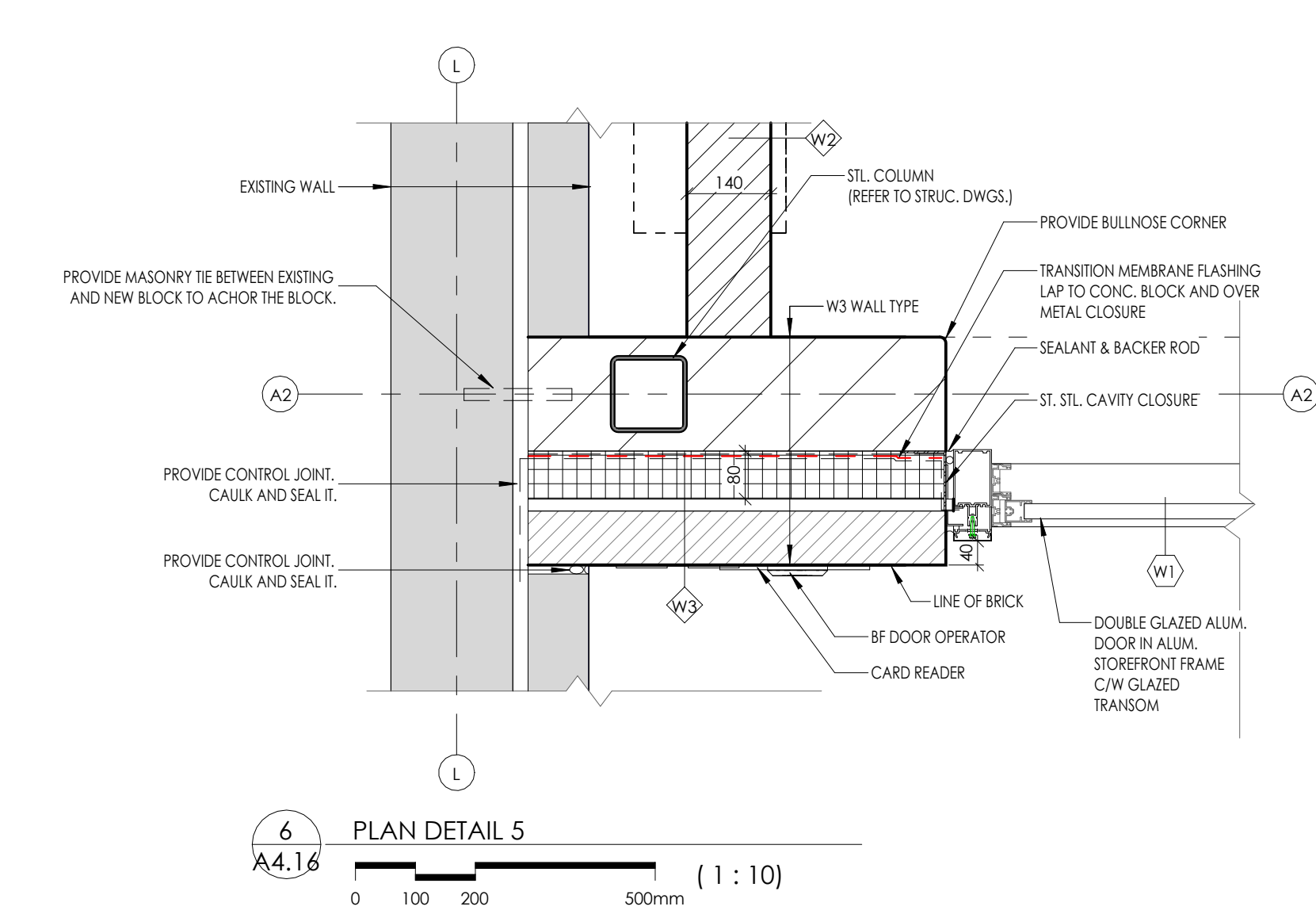
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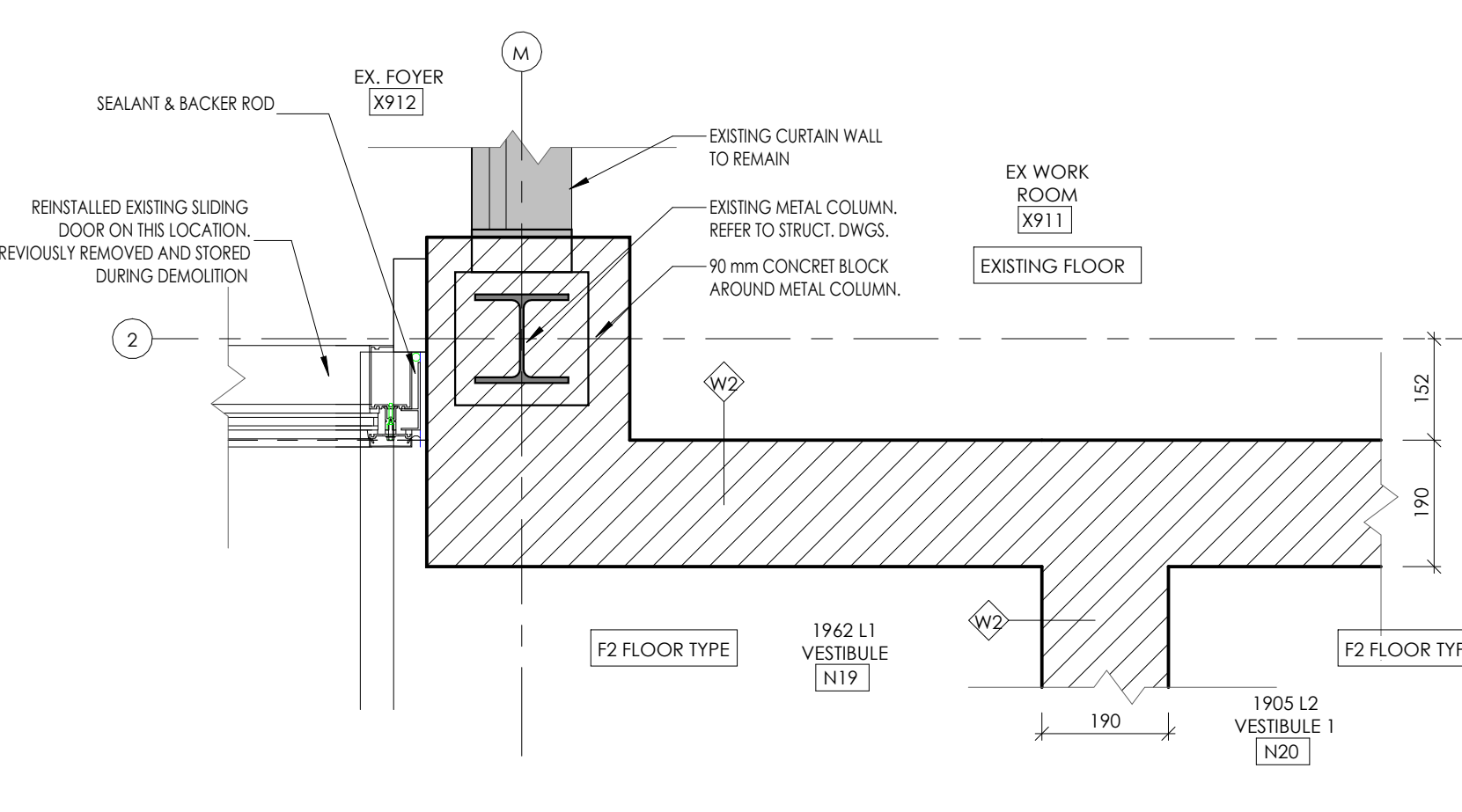
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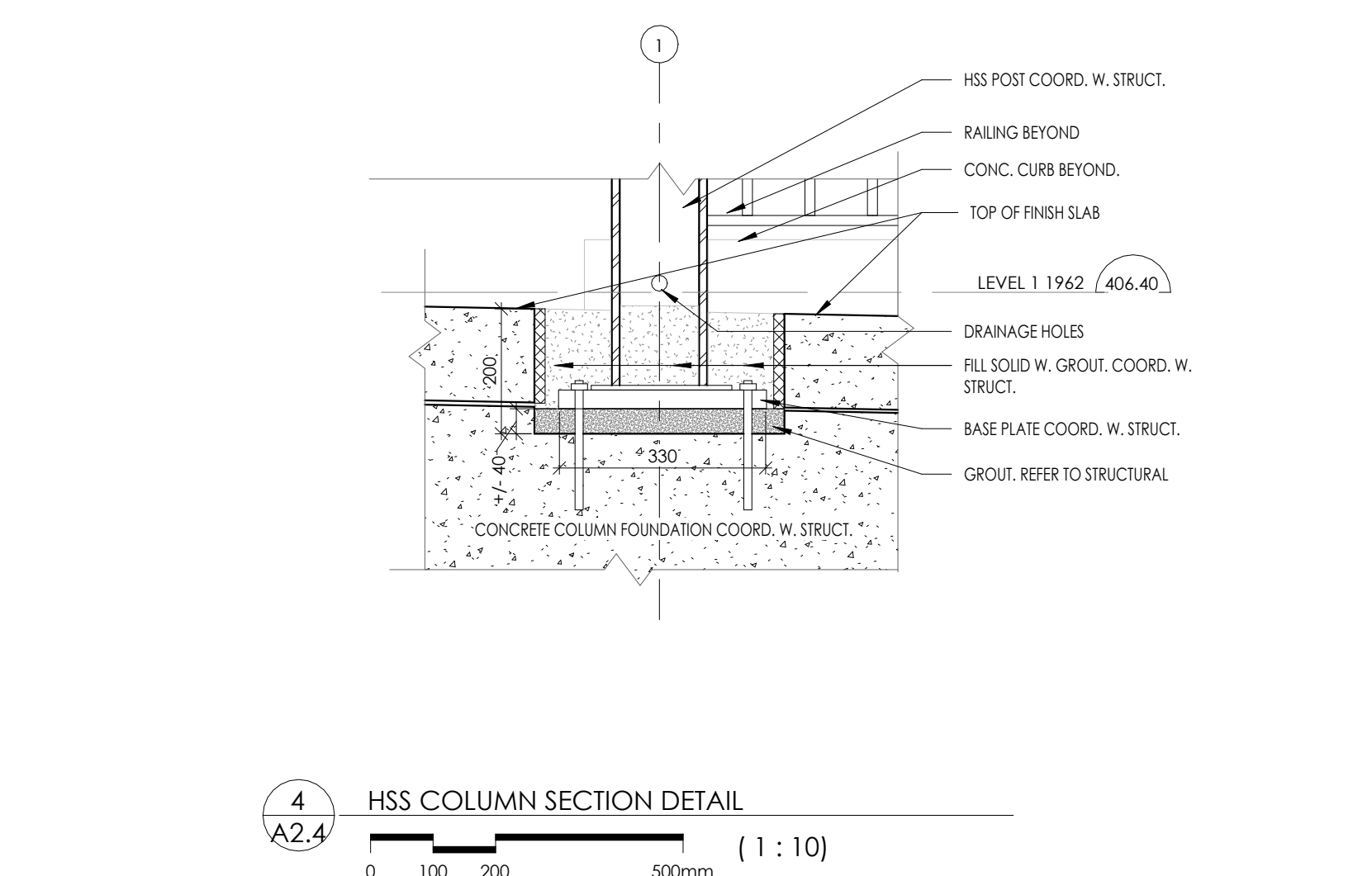
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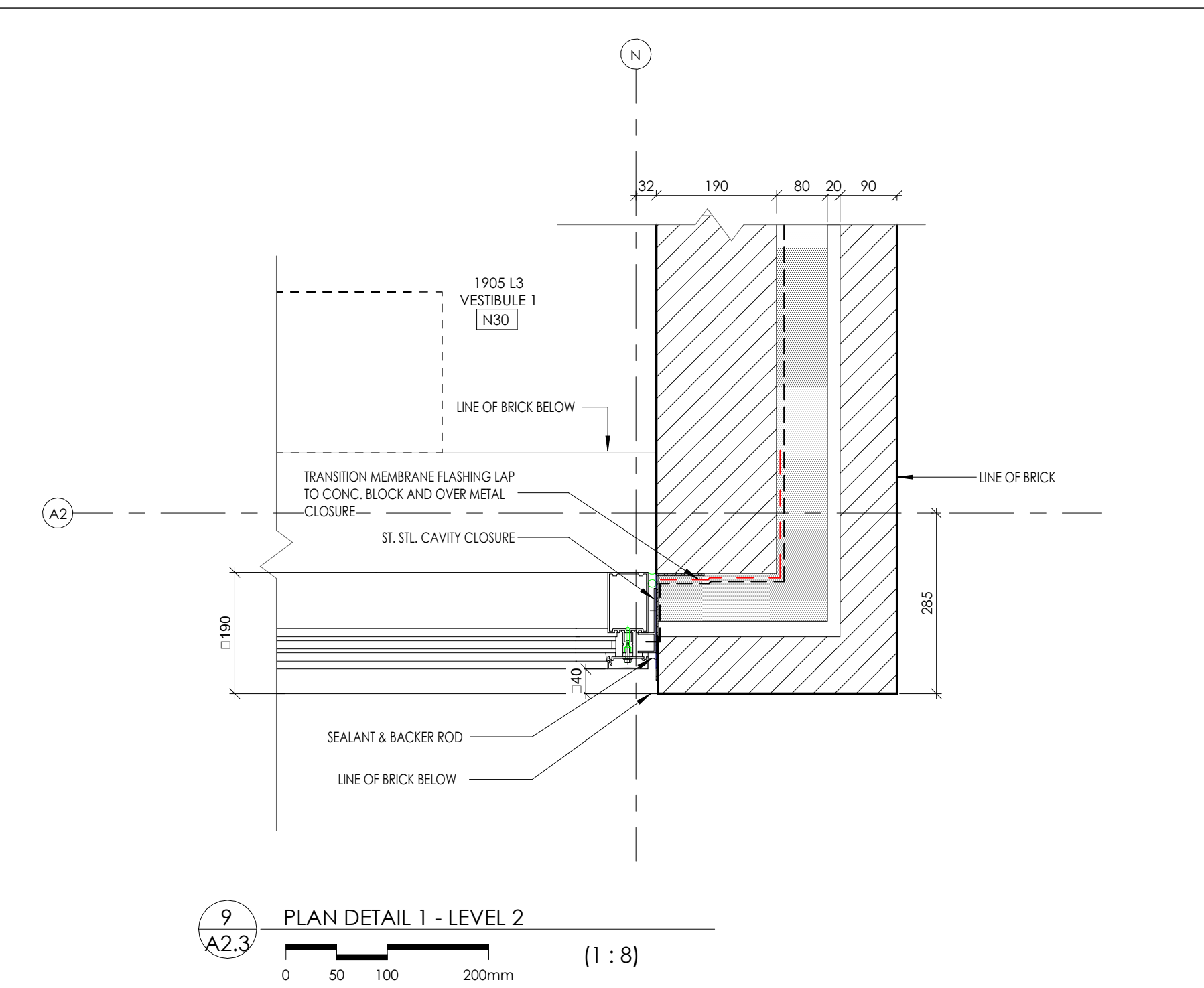
6 PLAN DETAIL 5 (1:10)



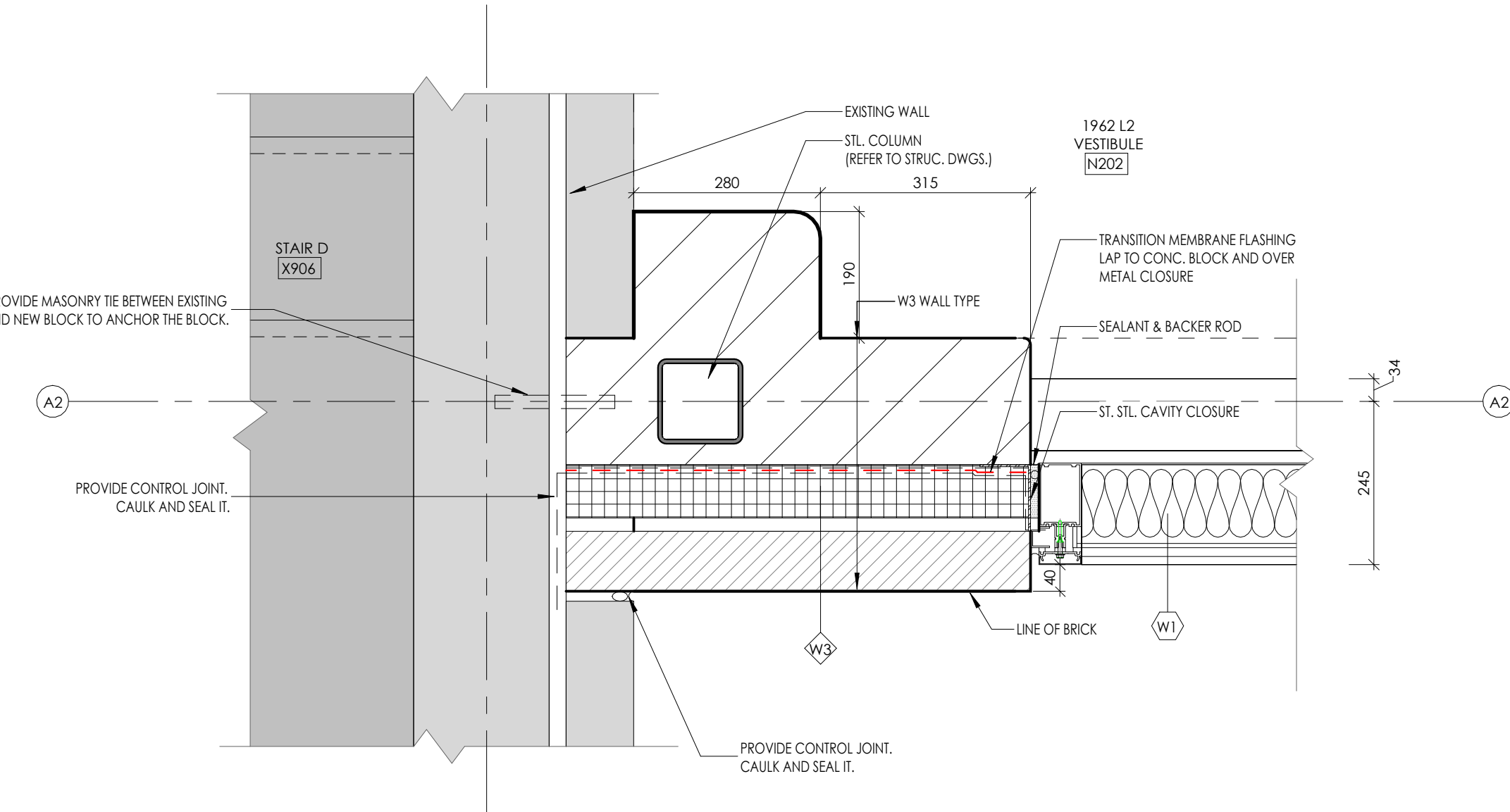
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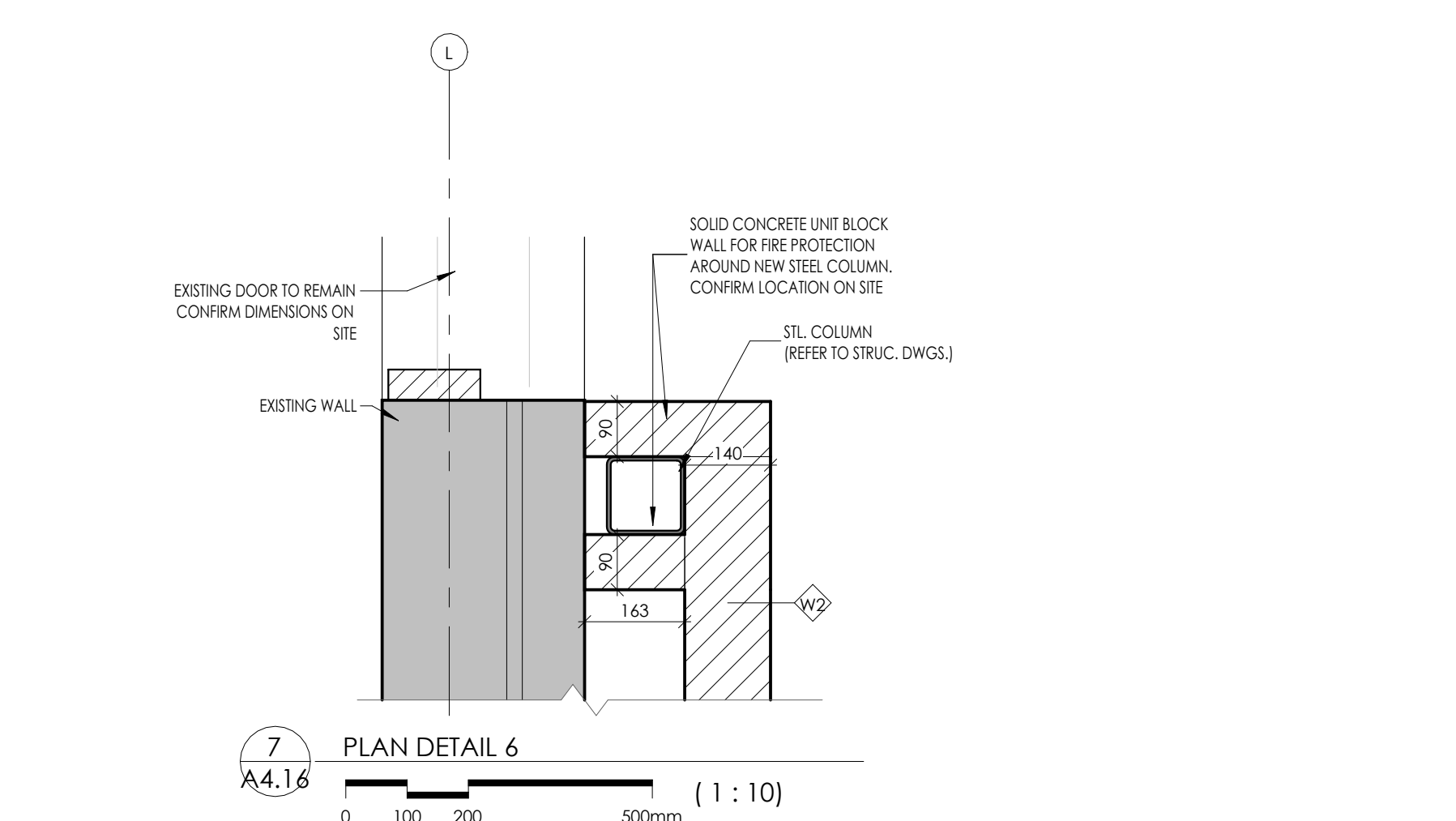
4 HSS COLUMN SECTION DETAIL (1:10)



9 PLAN DETAIL 1 - LEVEL 2 (1:8)



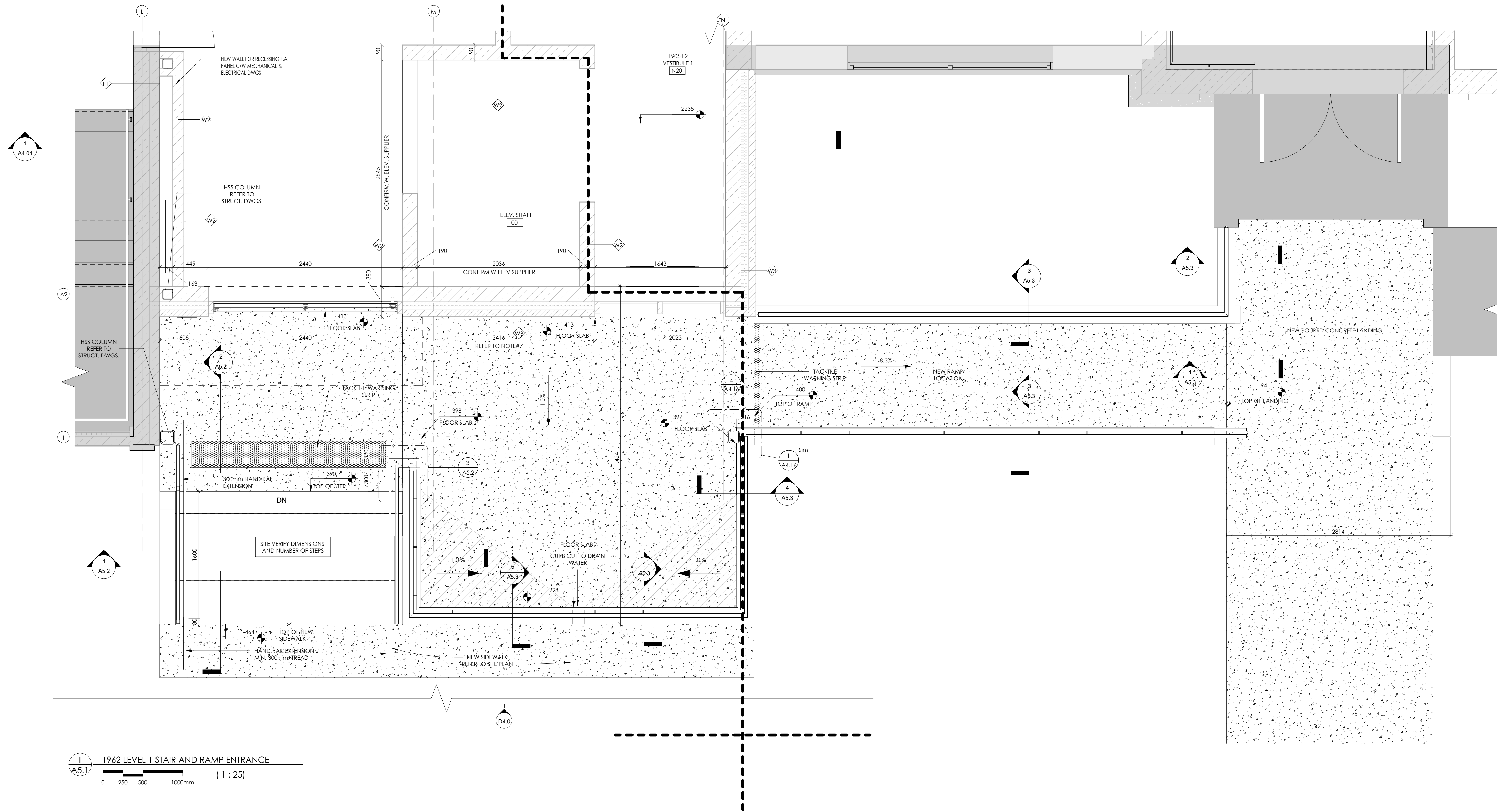
8 PLAN DETAIL 2 - LEVEL 2 (1:8)



7 PLAN DETAIL 6 (1:10)







1 1962 LEVEL 1 STAIR AND RAMP ENTRANCE  
 A5.1 (1:25)  
 0 250 500 1000mm

Revision Schedule

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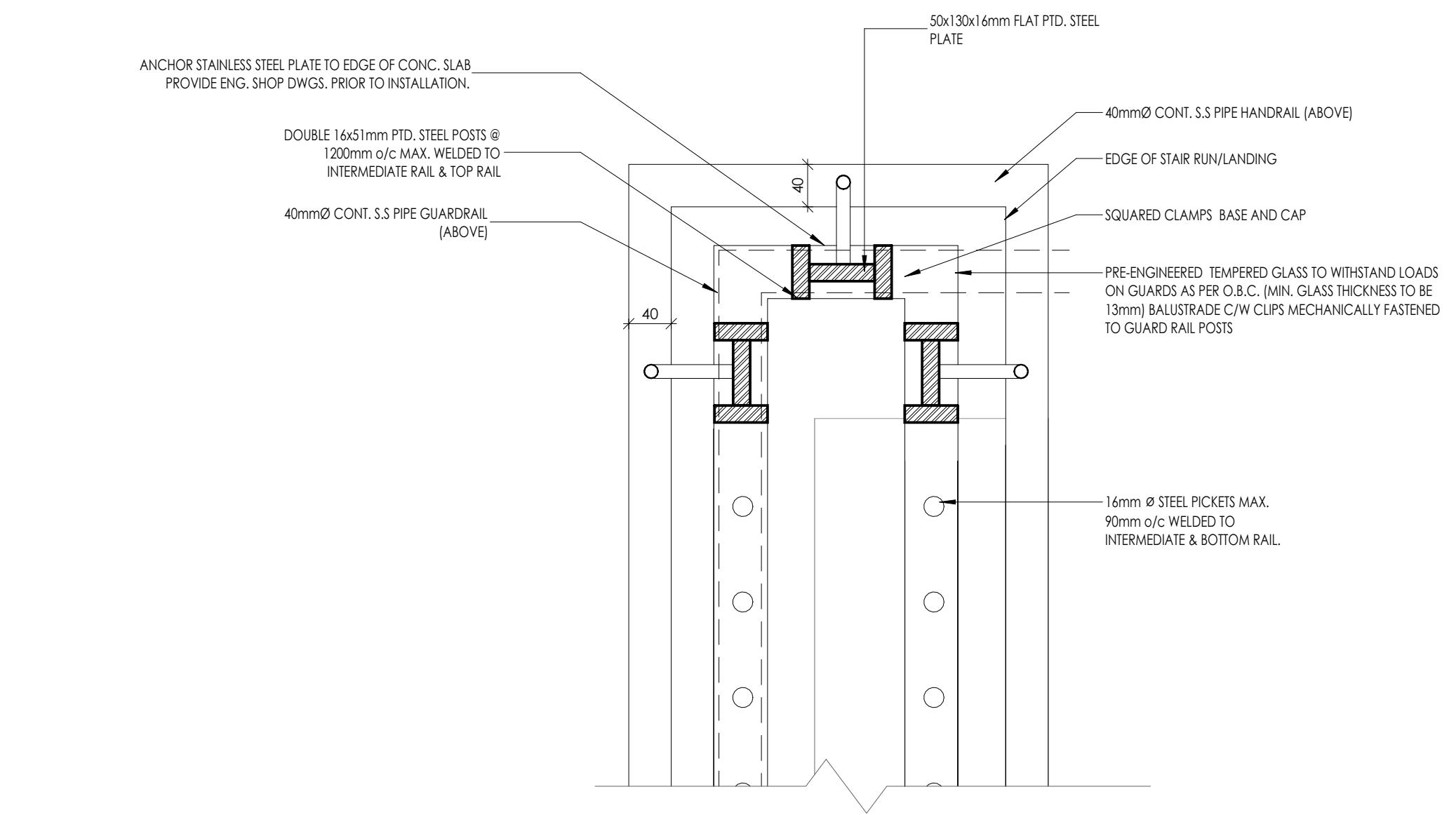
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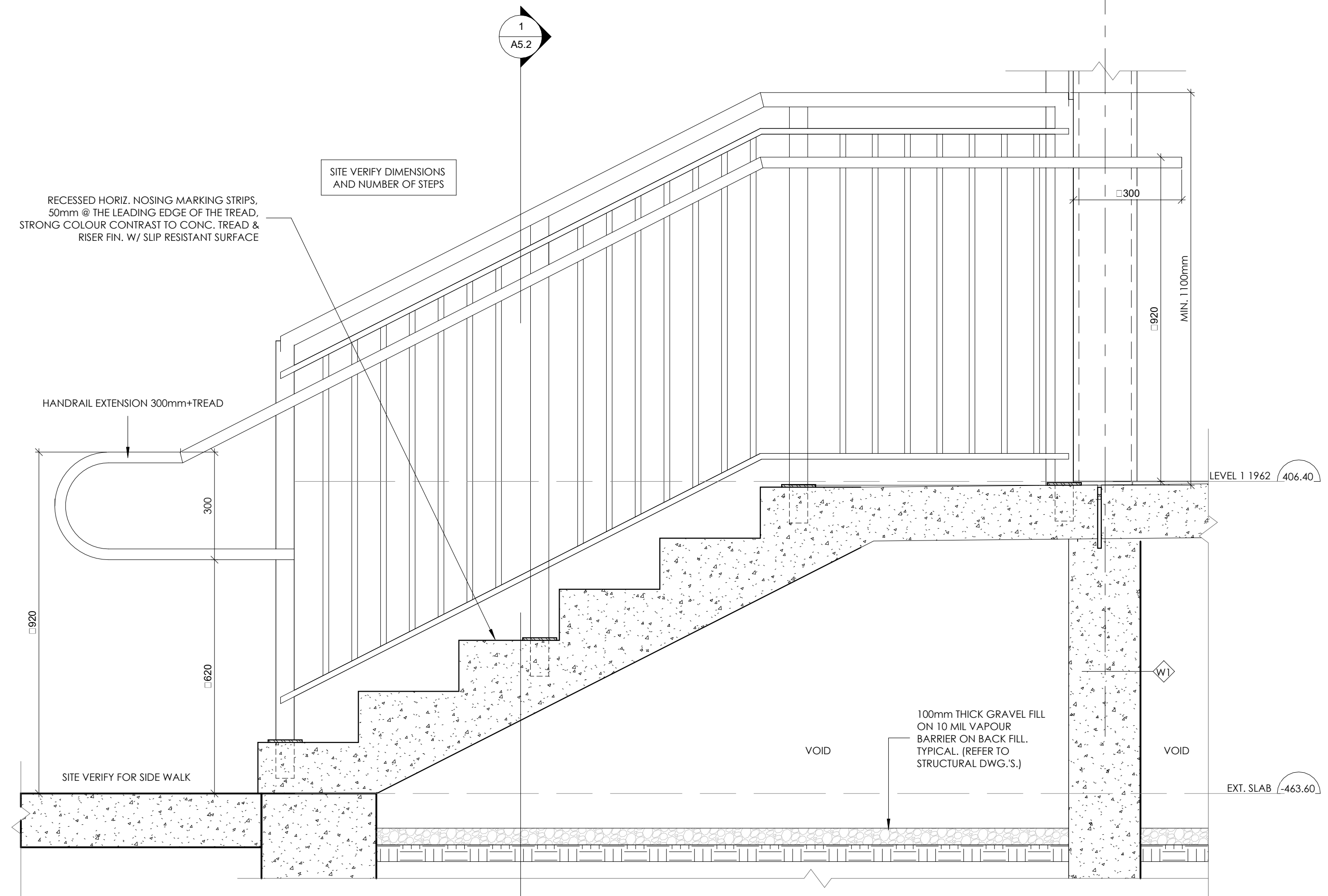
STAIR AND RAMP PLAN DETAILS

A5.1

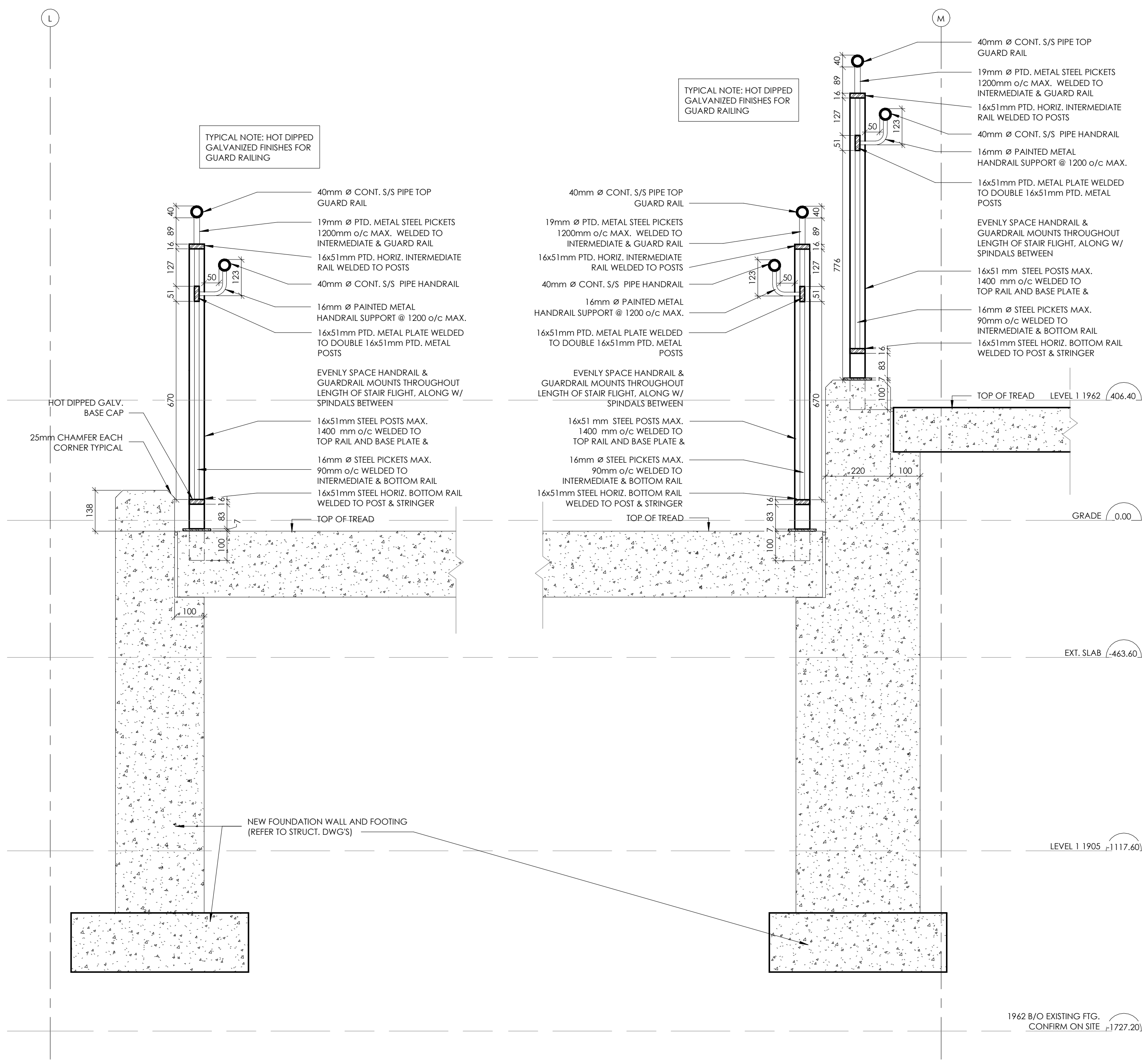
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3 RAILING DETAIL CORNER (1:5)



2 GUARD RAILING AND STAIR DETAILS (1:10)



1 GUARD RAILING AND STAIR DETAILS (1:10)

Revision Schedule		
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**STAIR AND RAMP SECTION DETAILS**

**A5.2**

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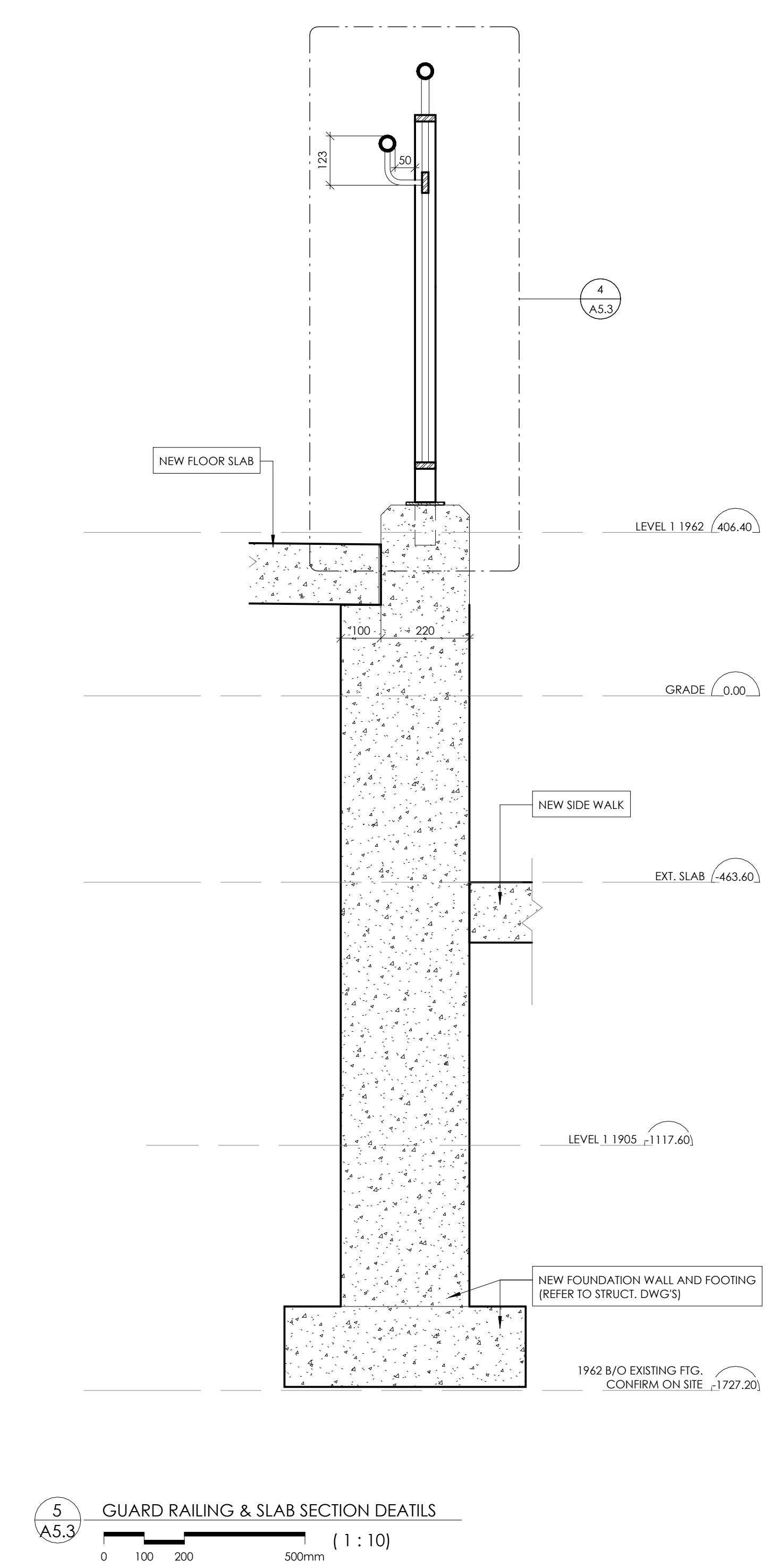
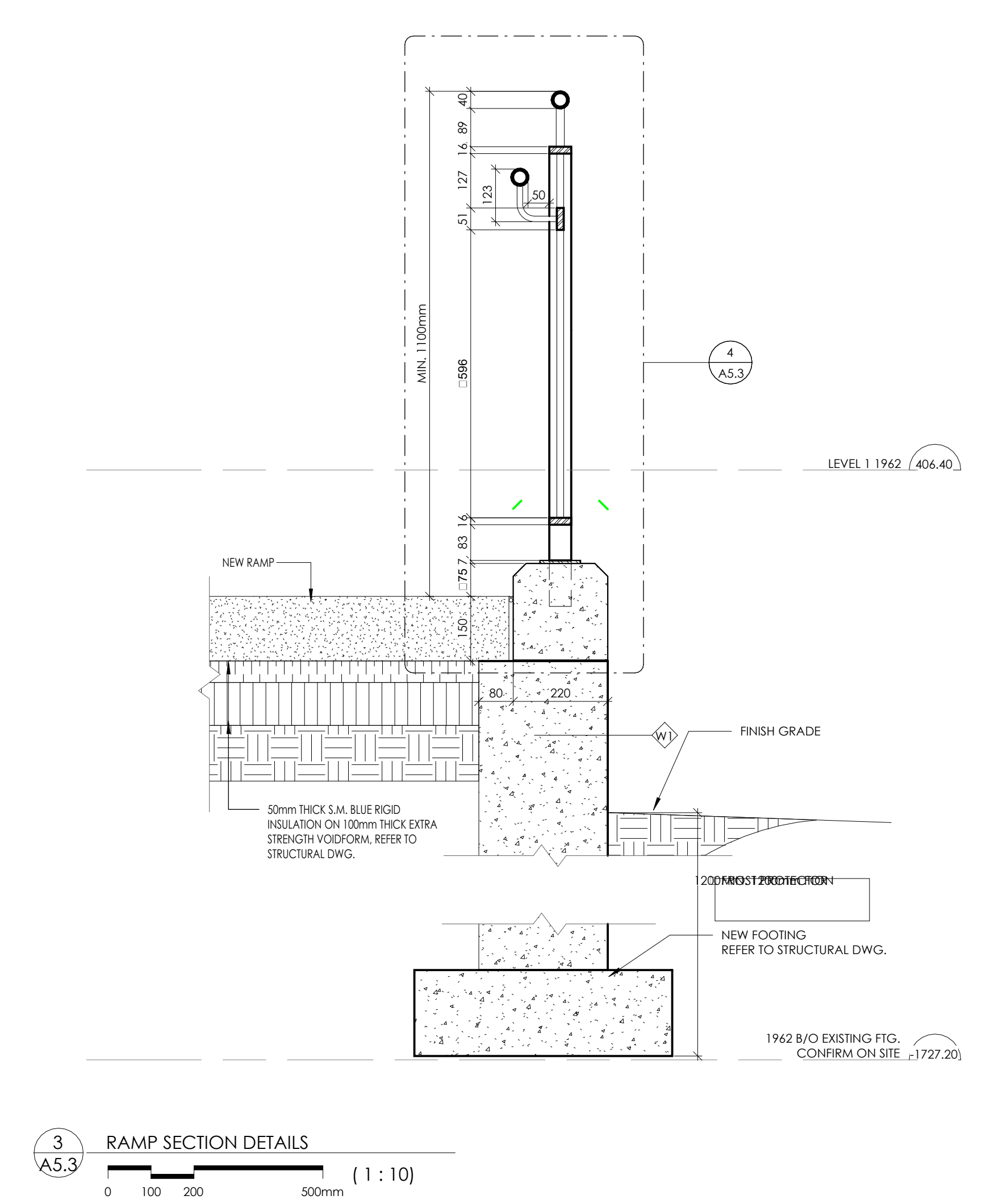
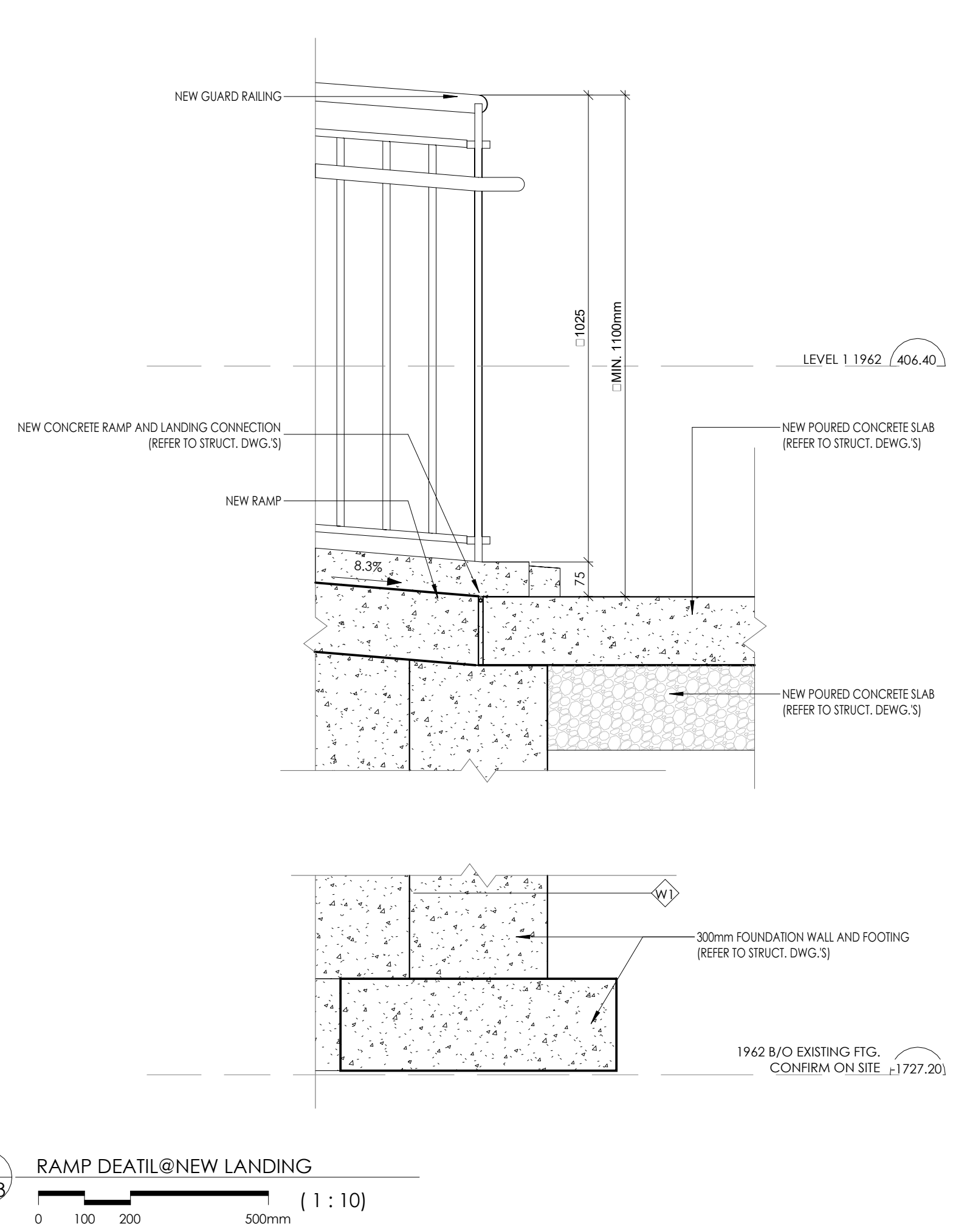
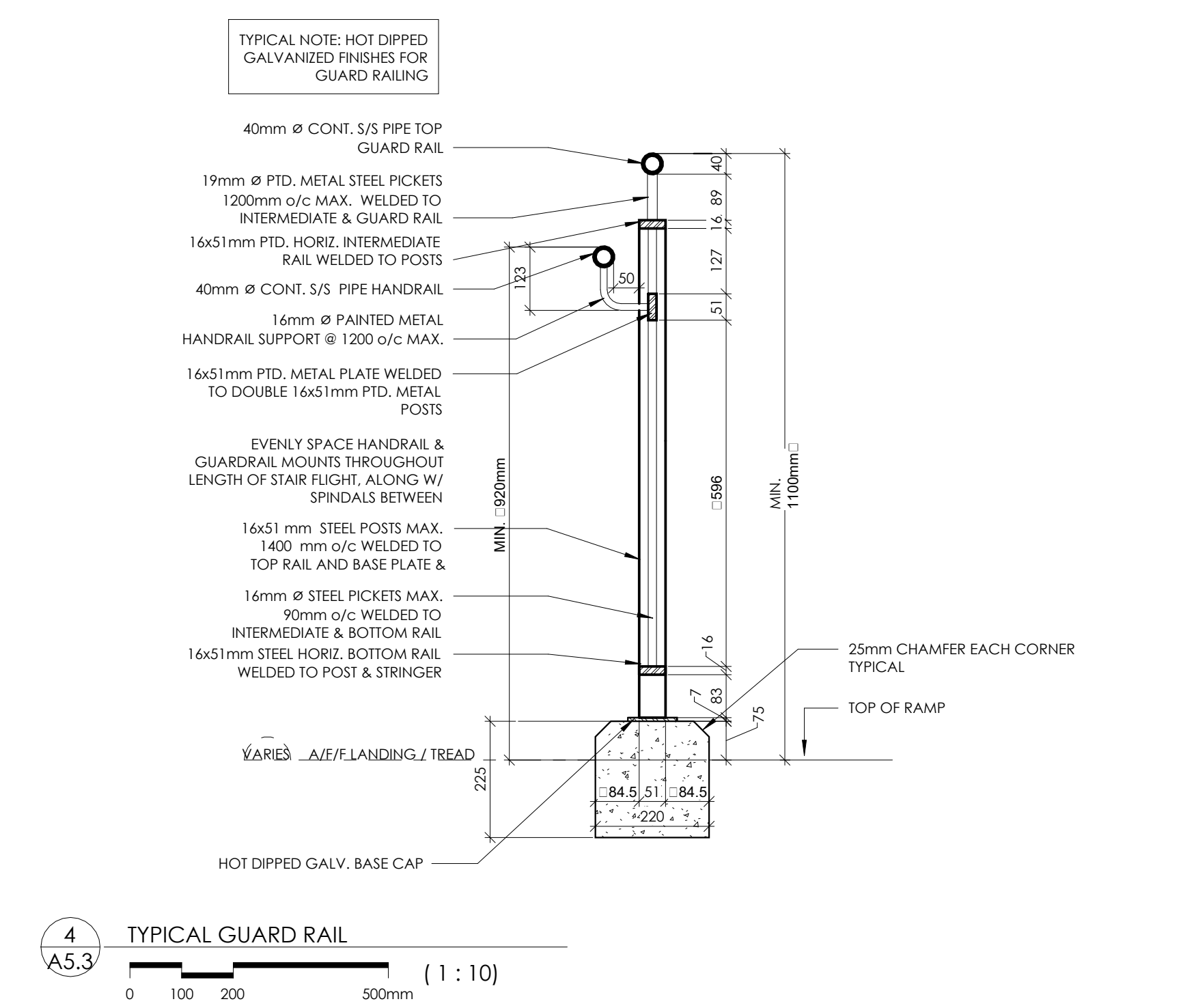
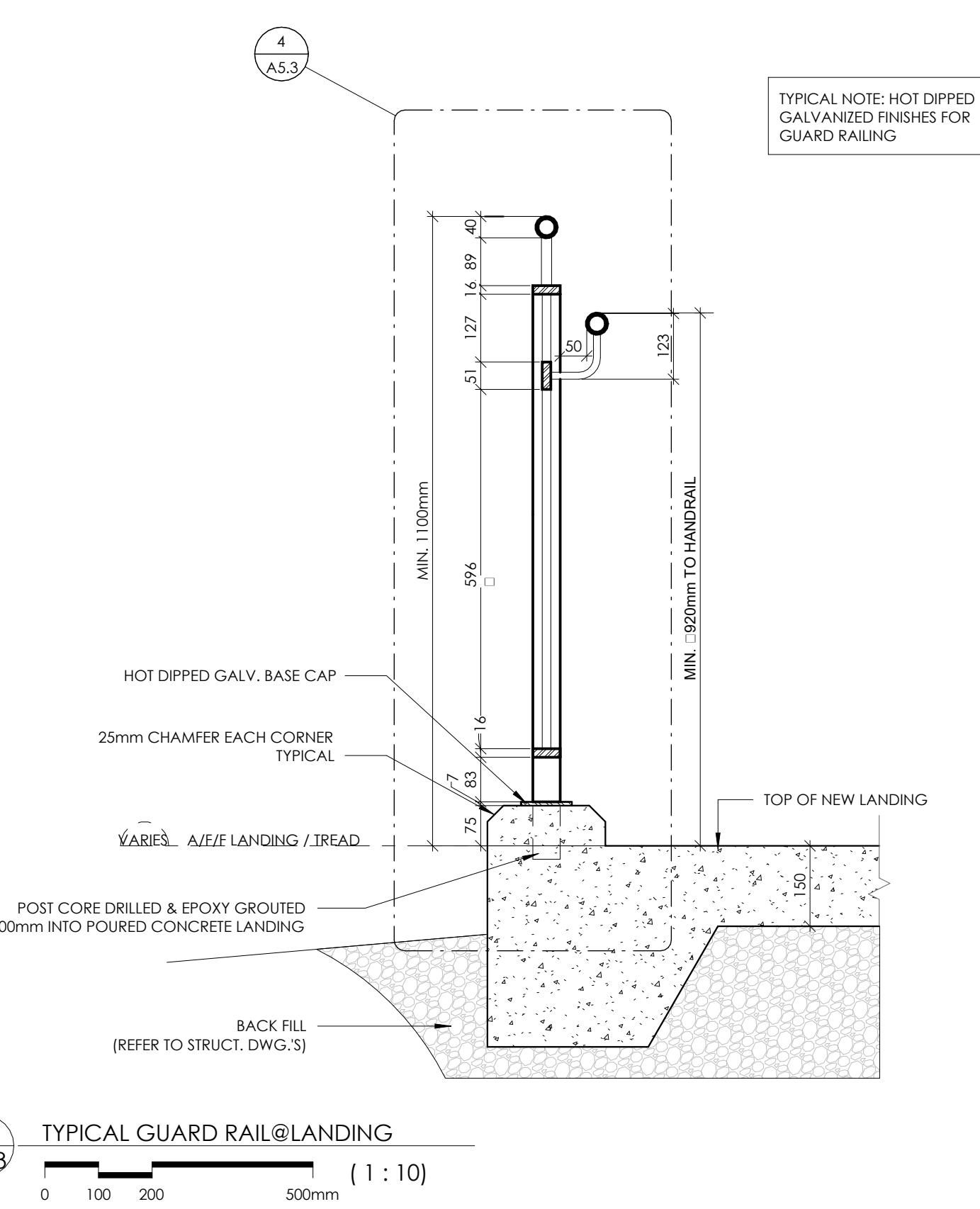
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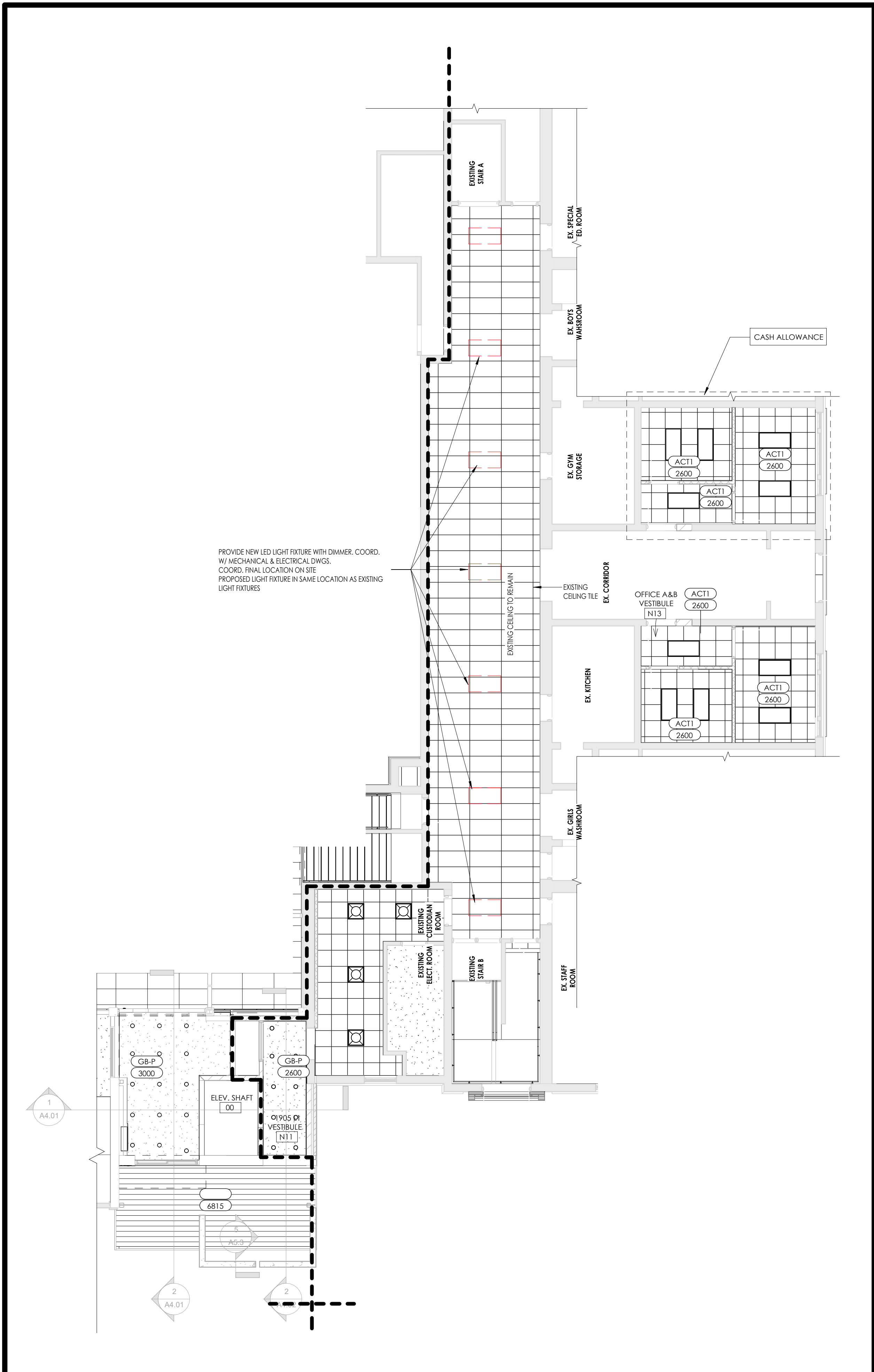


**STAIR AND RAMP SECTION DETAILS**

**A5.3**

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1 1905 LEVEL 1 & 1962 LEVEL 1 CEILING PLAN  
A6.1 (1:100)

**GENERAL NOTES**

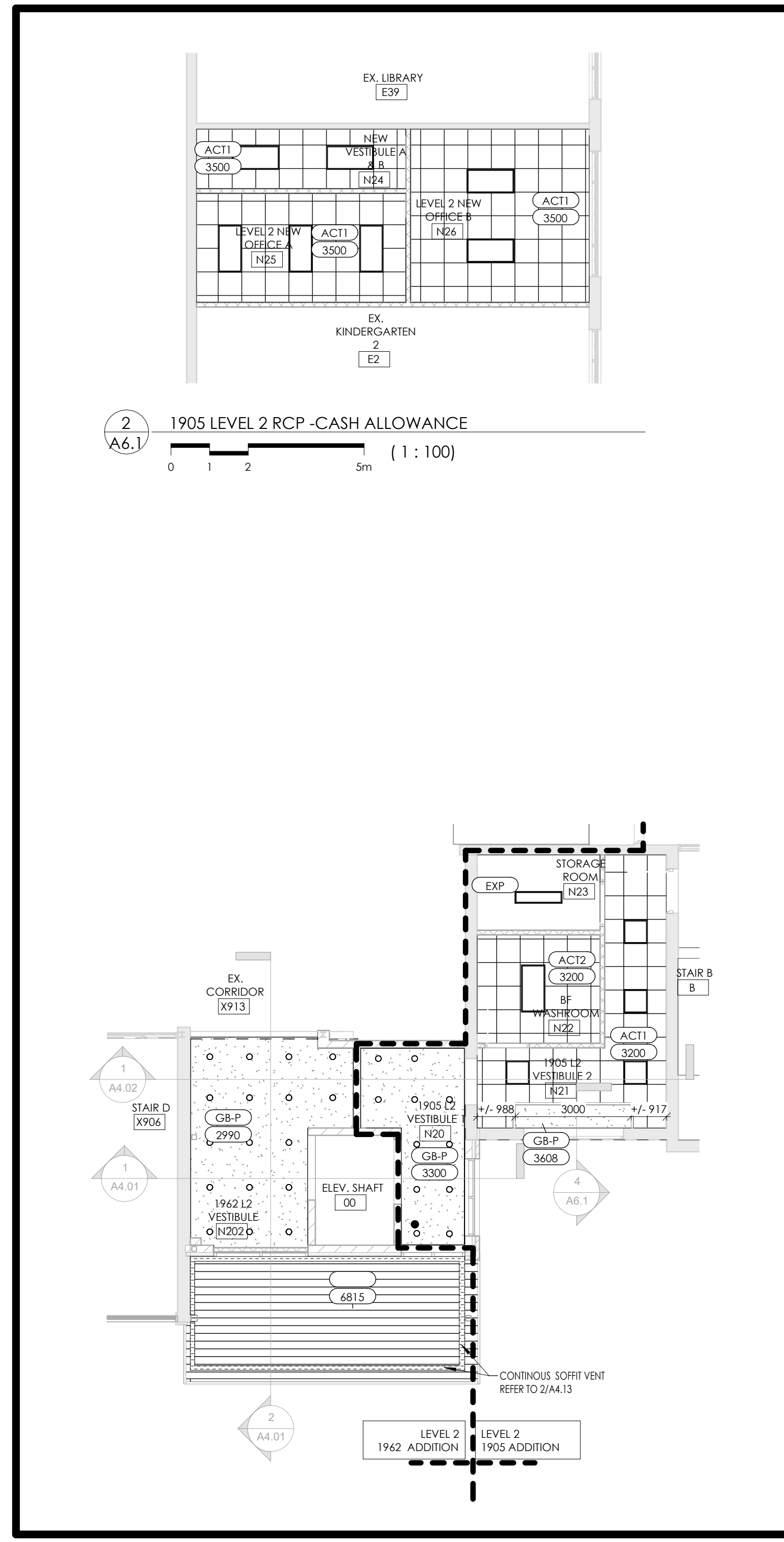
- COORD. W/ MECH. & ELEC. DWG.'S FOR RESPECTIVE CEILING MTD, OR RECESSED ITEMS
- FINAL LOCATION OF ALL MECH. & ELEC. FIXTURES TO BE CONFIRMED PRIOR TO INSTALL. COORD. ALL MECH. & ELEC. ITEMS W/ ARCH. DWGS. & REPORT ANY DISCREPANCIES PRIOR TO ANY WORK
- UNLESS DIMENSIONED OTHERWISE, CEILING TILES TO BE STARTED AS SHOWN FROM THE CENTER POINT OF ROOMS TYP.
- ALL INT. CEILING BULKHEAD SYSTEMS TO BE CONSTRUCTED W/ METAL FRAMING TYP., NOT WD.
- ALL GYP. BD. CEILING ARE TO RECEIVE 13mm RESILIENT CHANNELLING @ 400mm o/c MAX. & ANY ASSOCIATED BLOCKING TO ACHIEVE A UNIFORM / FLAT CEILING SURFACE
- SHOP DWG.'S TO BE IN DIMENSION UNITS AS ILLUSTRATED ON THIS DWG. OR THEY WILL BE REJECTED (IMPERIAL & METRIC BOTH SHOWN IS ACCEPTABLE); ALSO AIR GRILLES ARE TO REFERENCE THE RM. # IF THEY ARE INSTALLED, @ ANY OTHER ITEMS TYP.)
- NOT ALL EXP. D'S MECH. EQUIP. / DUCTING IS SHOWN. ONLY LIGHTING OR OTHER IMPORTANT ITEM INFO. COORD. W/ MECH. DWG.'S FOR REMAINING TYP.
- REFER TO & COORD. W. MECH. DWG.'S FOR LOCATION OF DIFFUSERS AND DUCTWORK.
- REFER TO & COORD. W. ELEC. DWG.'S FOR LOCATION AND TYPES OF LIGHT FIXTURES.
- FOR LIGHTS IN EXPOSED AREAS REFER TO & COORDINATE W. ELECTRICAL DWG.'S

**REFLECTED CEILING PLAN LEGEND**

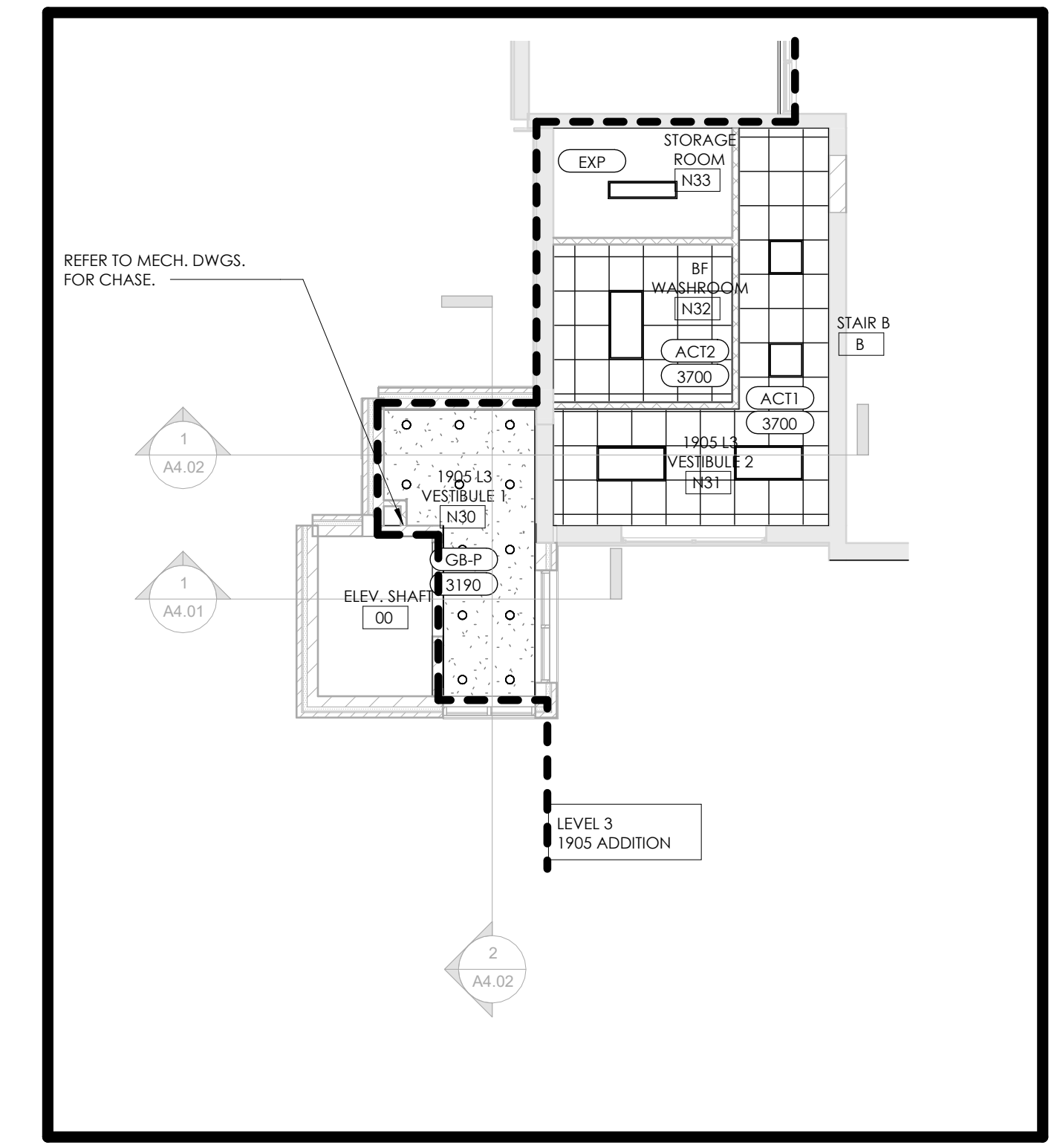
- TYPE # CEILING TYPE  
CEILING HEIGHT (MEASURED FROM A/F/F IN SPECIFIC SPACE NOTED)
- EXP ALL EXPOSED CEILING SURFACES NOTED TO BE FTD, INCLUDING ALL EXP. SERVICE LINES, DUCTS & EXP. STEEL LINTELS / STRUCT. @ ALL MASONRY OPENINGS. INSTALL ALL LIGHT FIXTURES CENTERED BETWEEN EXP.'D STRUCT. MEMBERS & TOP OF FIXTURE IS TO BE MTD. @ BOTTOM OF STRUCT. TYP.
- 2X' RECESSED CEILING MOUNTED LIGHT FIXTURE (COORD. W/ ELEC. DWG.'S)
- 2X' RECESSED CEILING MOUNTED LIGHT FIXTURE (COORD. W/ ELEC. DWG.'S)
- RECESSED POT LIGHT FIXTURE

**HATCH IDENTIFICATION MARKER LEGEND**

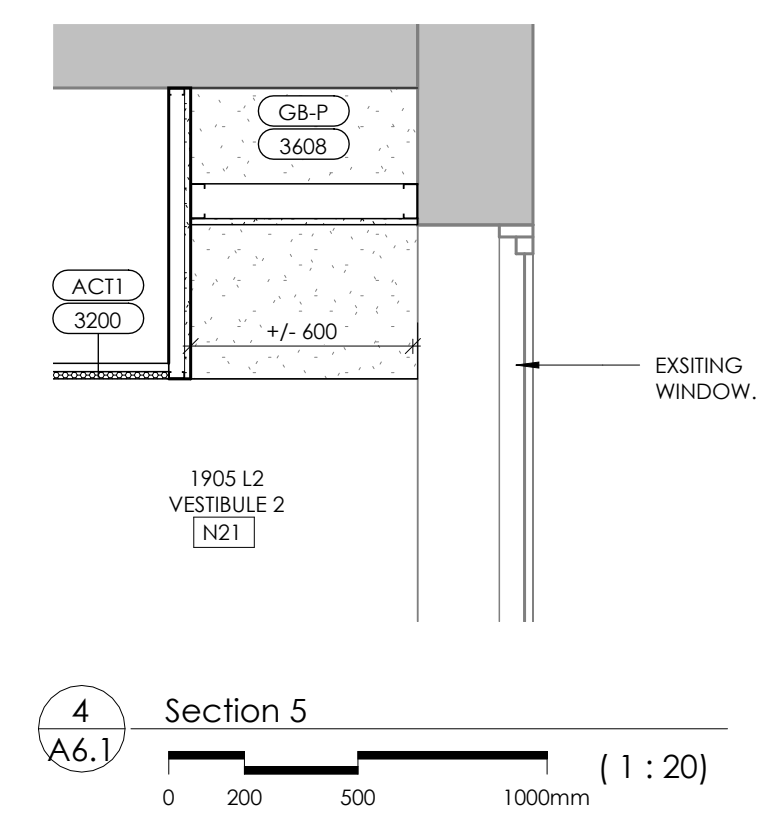
- GB ALL GYP. BD. FACES TO BE FTD. CAULK ALL PER.'S. PROVIDE SHOP DWG.'S FOR DRYWALL CONTROL JOINT LOCATIONS FOR REVIEW BY ARCHITECT. GYP. BD. - MAIN VERT. PLANE + # - BUILT OUT OF VERT. PLANE - # - BUILT INTO VERT. PLANE
- ACT1 CEILING TILES 610 x 1220 TYPE
- ACT2 CEILING TILES 610 x 610 TYPE
- VENTED SOFFIT
- AP ALUMINUM COMPOSITE PANEL



2 1905 LEVEL 2 RCP - CASH ALLOWANCE  
A6.1 (1:100)



5 1905 LEVEL 3 RCP  
A6.1 (1:100)



4 Section 5  
A6.1 (1:20)

Revision Schedule		
Particular	Date	No.
ISSUED FOR COORDINATION	03/06/2023	1
ISSUED FOR 98% SET	11/29/2022	2
ISSUED FOR TENDER & PERMIT	04/05/2023	3

ALL DIMENSIONS MARKED TO AND FROM EXISTING BUILDING ELEMENTS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE BEFORE CONSTRUCTION STARTS.

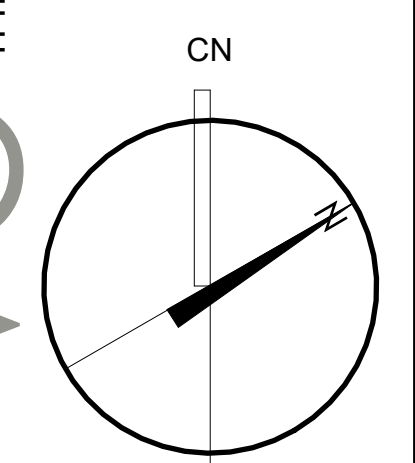
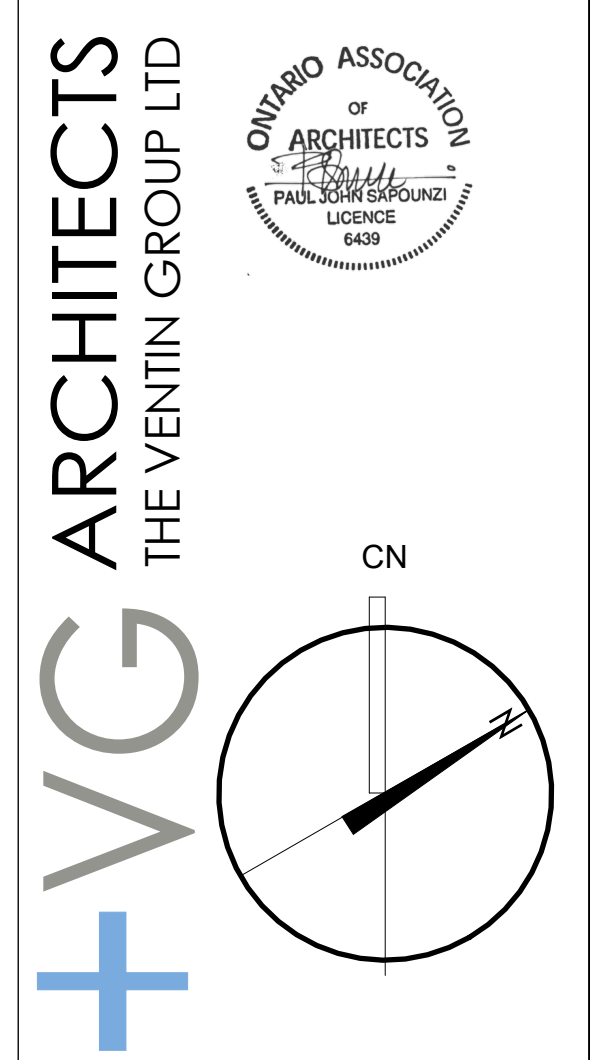
ALL EXISTING WALL DIMENSIONS ARE APPROXIMATE AND IS THE RESPONSIBILITY OF THE CONTRACTOR TO SITE VERIFY BEFORE CONSTRUCTION OR DEMOLITION.

MEASURE AND CONFIRM NEW DOORS, WINDOWS, CURTAIN WALLS AND SCREENS OPENINGS REQUIRED FOR THIS RENOVATION BEFORE ORDERING AND ASSEMBLING



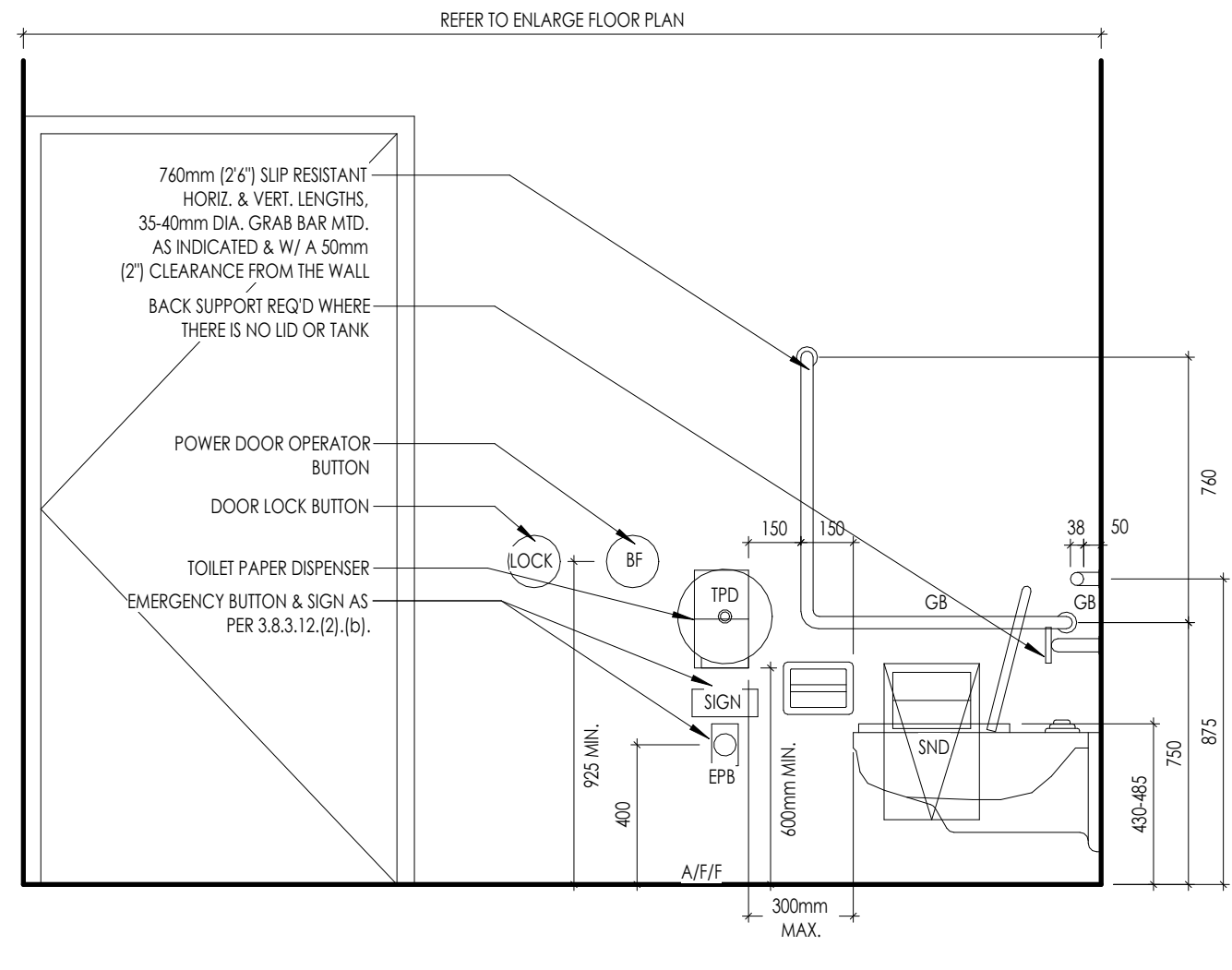
**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3  
ORIGINAL PAGE SIZE ARCH D - 24" X 36"



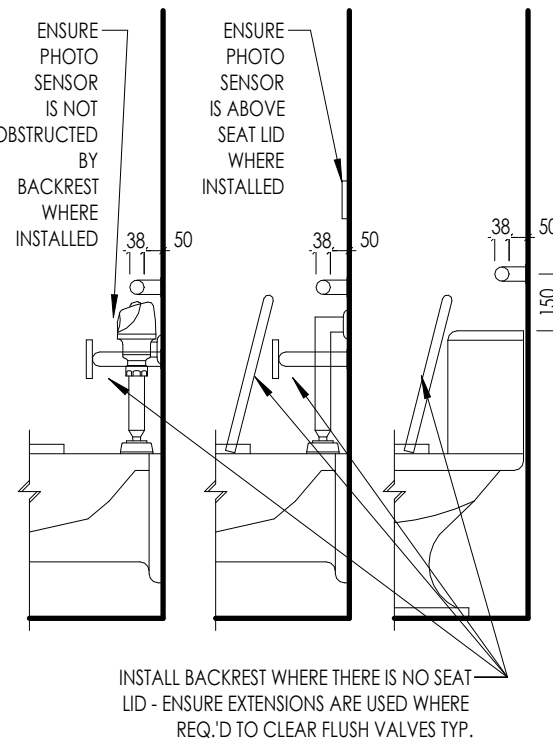
A6.1

Autodesk Docs://King Edward Elevator/King Edward PS - 2022.05.27.rvt



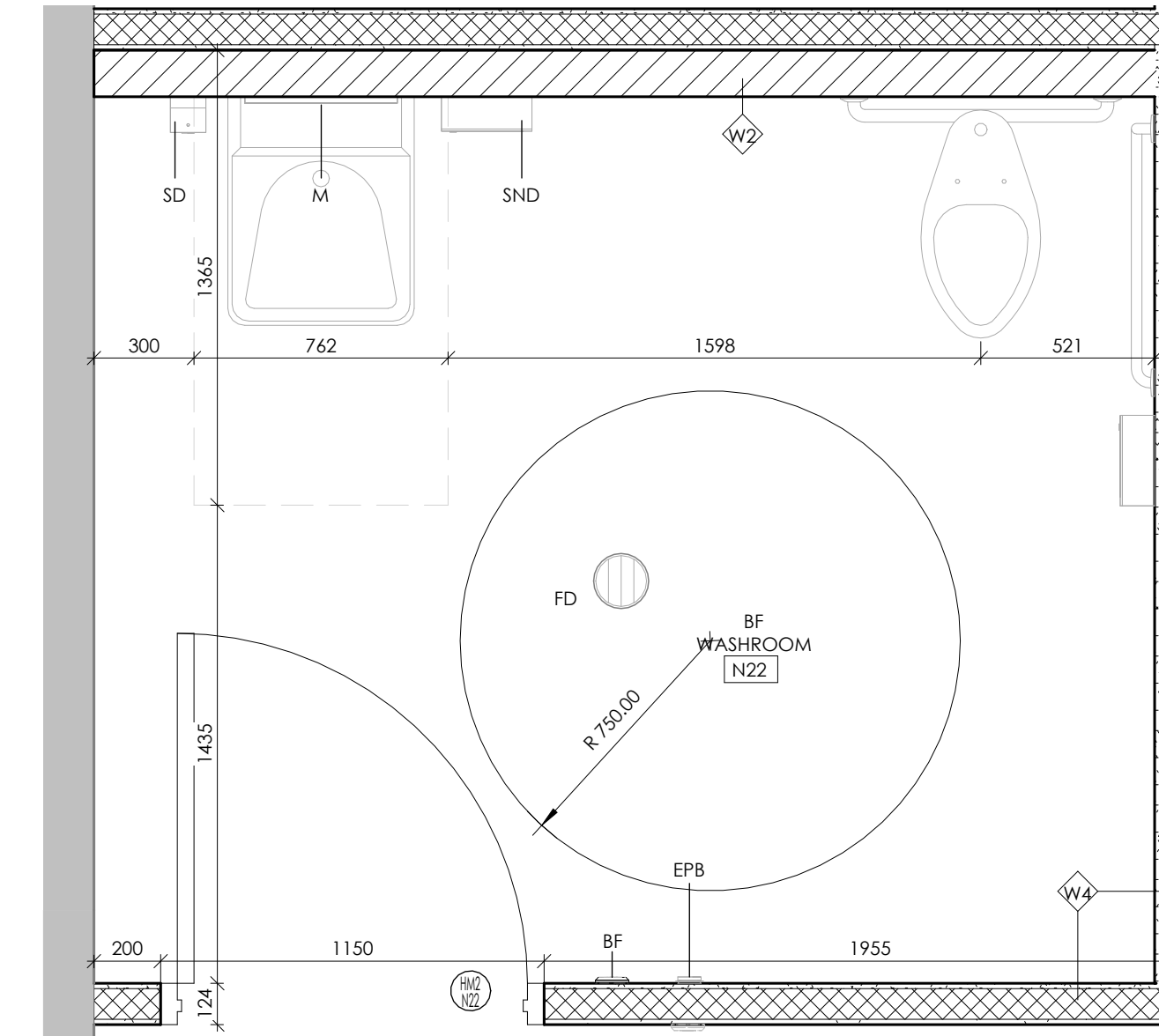
3 TYP. BF WASHROOM ELEVATION

A7.1 0 200 500 1000mm (1:20)



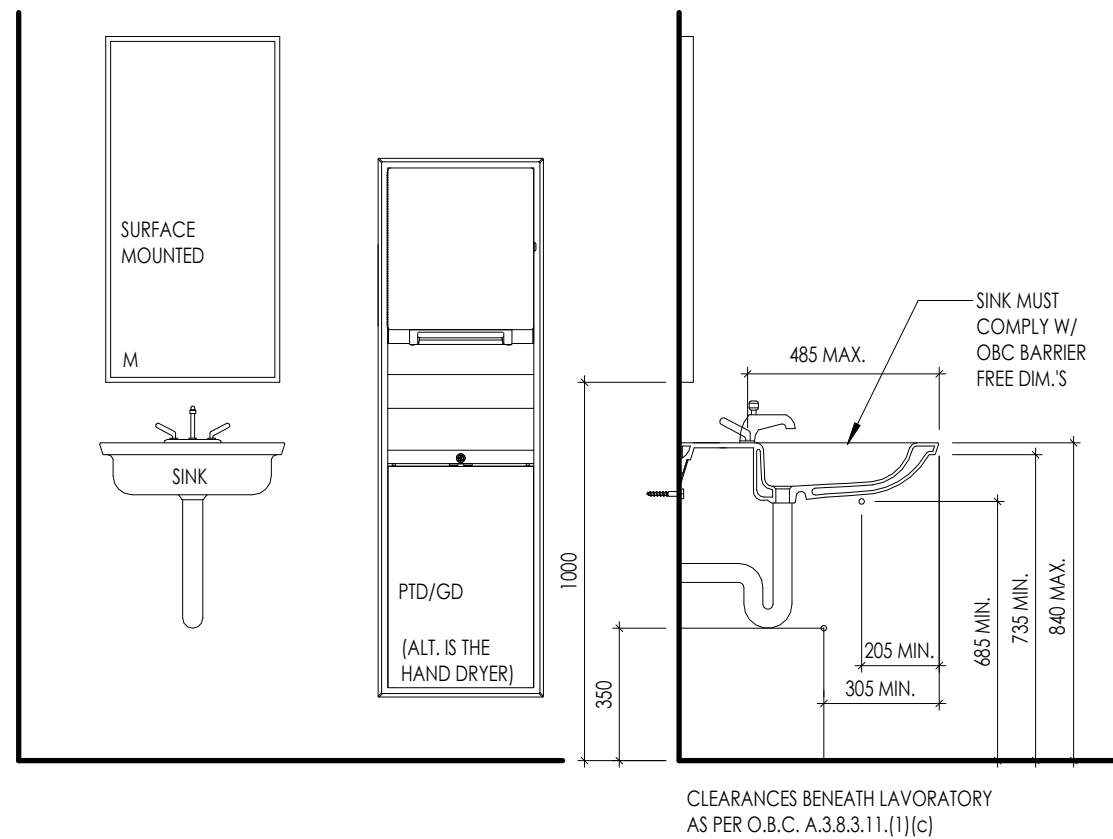
2 TYP. BF WASHROOM WATER CLOSET STALL DETAIL

A7.1 0 200 500 1000mm (1:20)



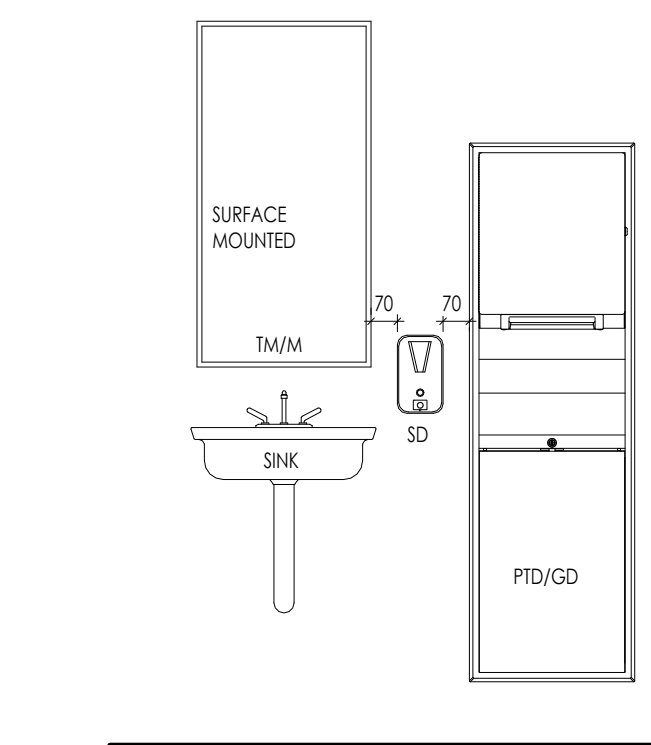
1 B.F. WASHROOM PLAN

A7.1 0 200 500 1000mm (1:20)



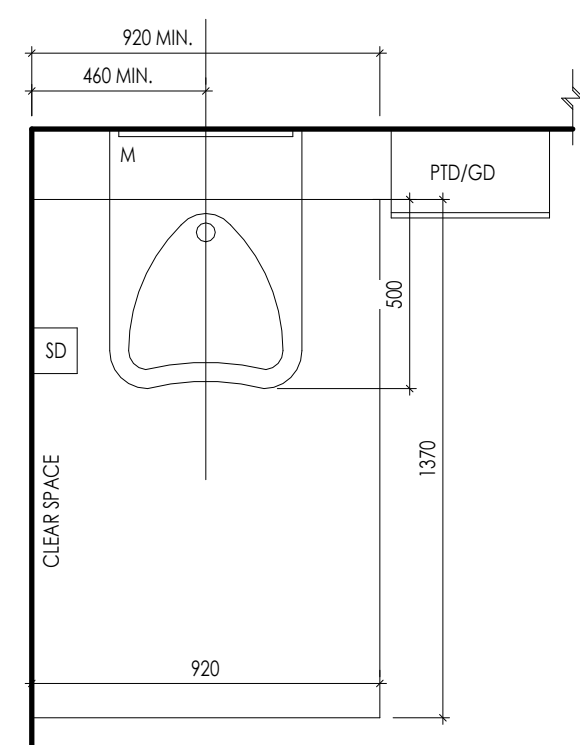
7 TYP. BF LAVATORY ELEVATION AND SECTION

A7.1 0 200 500 1000mm (1:20)



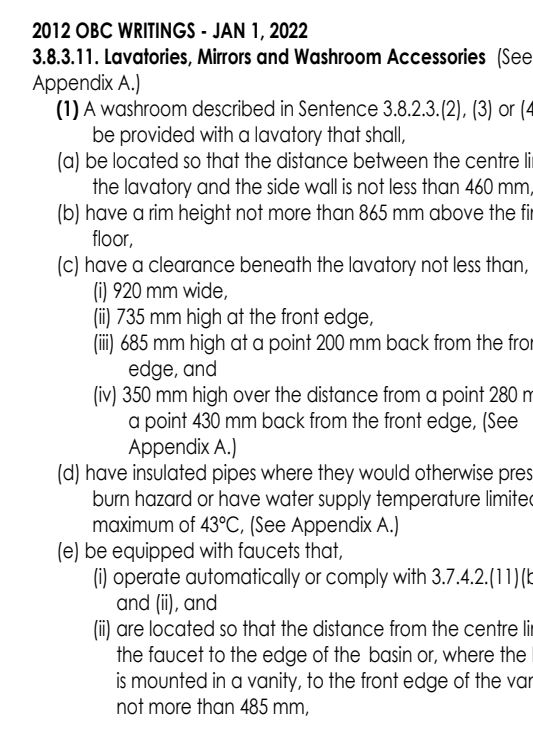
6 TYP. BF LAVATORY ELEVATION

A7.1 0 200 500 1000mm (1:20)



5 TYP. BF LAVATORY PLAN

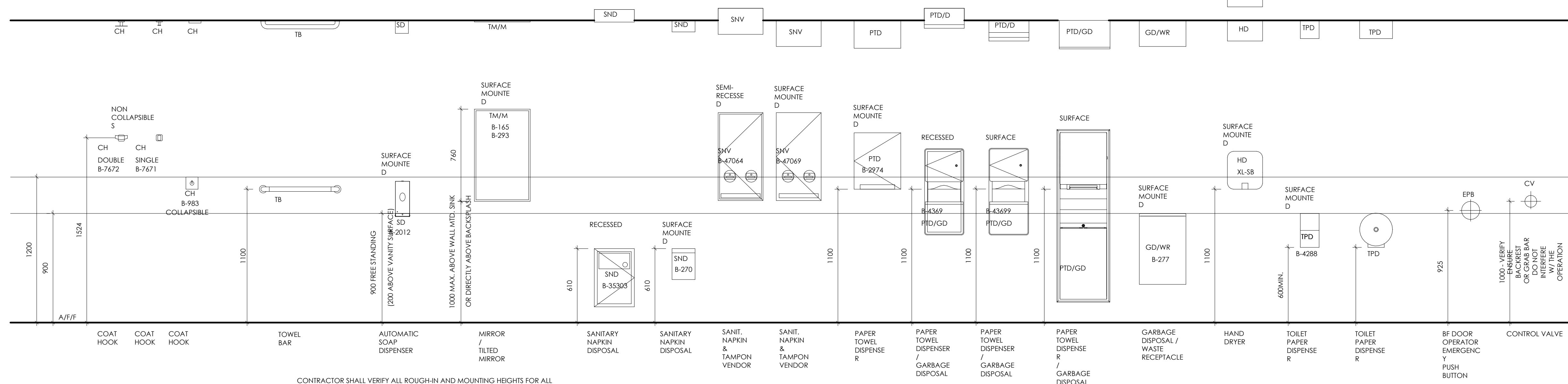
A7.1 0 200 500 1000mm (1:20)



- (1) A washroom described in Sentence 3.8.2.3.(2), (3) or (4) shall be provided with a lavatory that shall:
  - (a) be located so that the distance between the centre line of the lavatory and the side wall is not less than 460 mm,
  - (b) have a rim height not more than 865 mm above the finished floor,
  - (c) have a clearance beneath the lavatory not less than:
    - (i) 920 mm wide,
    - (ii) 725 mm high at the front edge,
    - (iii) 685 mm high of a point 200 mm back from the front edge, and
    - (iv) 330 mm high over the distance from a point 280 mm to a point 430 mm back from the front edges. (See Appendix A.)
  - (d) have insulated pipes where they would otherwise present a burn hazard or have water supply temperature limited to a maximum of 43°C. (See Appendix A.)
  - (e) be equipped with faucets that:
    - (i) operate automatically or comply with 3.7.4.2.(1)(b)(i) and (ii), and
    - (ii) are located so that the distance from the centre line of the faucet to the edge of the basin or, where the basin is mounted in a vanity, to the front edge of the vanity, is not more than 485 mm,
  - (f) have a minimum 1 370 mm deep floor space to allow for a forward approach, of which a maximum of 500 mm can be located under the lavatory. (See Appendix A.)
    - (g) have a soap dispenser that:
      - (i) operates automatically or is operable using a closed fist and with a force of not more than 22.2 N, and
      - (ii) is located not more than 1 100 mm above the finished floor, within 200 mm from the front of the lavatory, and
    - (h) have a towel dispenser or other hand drying equipment that is:
      - (i) located to be accessible to persons in wheelchairs,
      - (ii) located so that the dispensing height is not more than 1 200 mm above the finished floor,
      - (iii) operable with one hand, and
      - (iv) located not more than 610 mm, measured horizontally, from the edge of the lavatory,
  - (2) If mirrors are installed in a washroom described in Sentence 3.8.2.3.(2), (3) or (4), at least one mirror shall be:
    - (a) installed above a lavatory required by Sentence (1), and
    - (b) mounted with its bottom edge not more than 1 000 mm above the finished floor or inclined to the vertical to be usable by a person in a wheelchair.
  - (3) If dispensing or hand-operated washroom accessories, other than those located in water closet stalls or enclosures and those described in Clause (1)(g), are provided, they shall be mounted so that:
    - (a) the dispensing height is not less than 900 mm and not more than 1 200 mm above the finished floor,
    - (b) the controls or operating mechanisms are mounted not less than 900 mm and not more than 1 200 mm above the finished floor, and
    - (c) a minimum 1 370 mm deep floor space is provided in front of the controls or operating mechanisms to allow for a front approach.
  - (4) Where a shelf is installed above a lavatory required by Sentence (1), it shall:
    - (a) be located not more than 200 mm above the top of the lavatory and not more than 1 100 mm above the finished floor, and
    - (b) project not more than 100 mm from the wall.
  - (5) A washroom described in Sentence 3.8.2.3.(4) shall be provided with a lavatory conforming to Clauses (1)(e), (g) and (h).

**BARrier FREE DOOR NOTES (O.B.C. 3.8.3.3.):**

- (1) Every doorway that is located in a barrier-free path of travel shall have a clear width of not less than 860 mm when the door is in the open position, (FROM LATCH SIDE OF DOORS).
- (2) Door opening devices that are the only means of operation shall:
  - (a) be designed to be operable using a closed fist, and
  - (b) be mounted not less than 900 mm and not more than 1 100 mm above the finished floor.
- (4) A door shall be equipped with a power door operator where the door serves:
  - (a) a washroom for public use required to be barrier-free,



8 TYP. WASHROOM ACCESSORIES

A7.1 0 200 500 1000mm (1:20)

CONTRACTOR SHALL VERIFY ALL ROUGH-IN AND MOUNTING HEIGHTS FOR ALL SPACES OTHER SIMILAR NON-TYP. SPACES W/ OWNER/ OPERATOR PRIOR TO CONST. THE ABOVE NOTED HEIGHTS SHALL BE CONFIRMED TO BE IN ACCORDANCE W/ THE LATEST OBC PRIOR TO ROUGH-IN & INSTALL.

Revision Schedule		
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**CLIENT**  
 WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

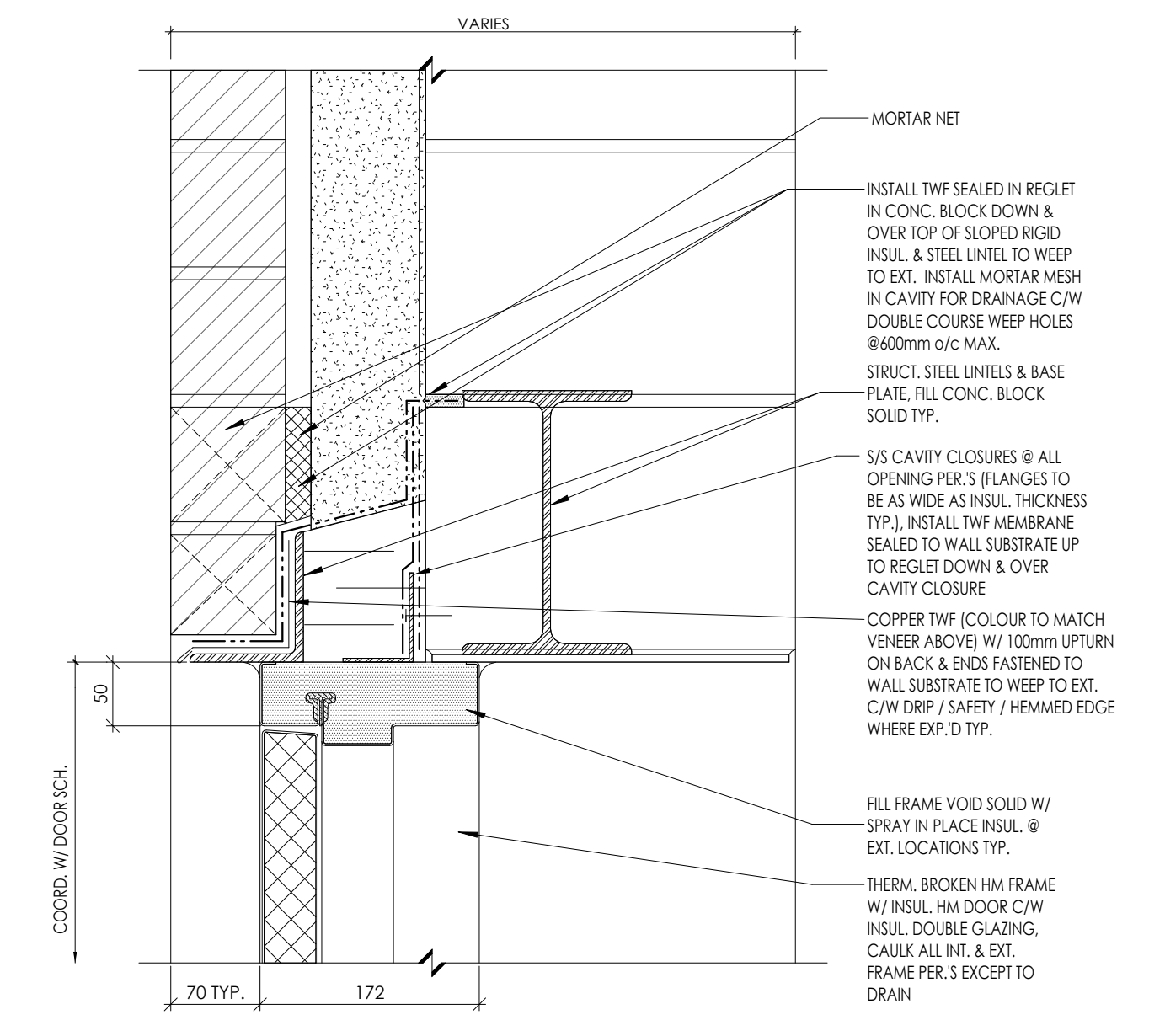
**VIG ARCHITECTS**  
 THE VENTIN GROUP LTD

**ARCHITECTS**  
 O.A.A. REG. NO. 6439

**Barrier Free Washroom Details**

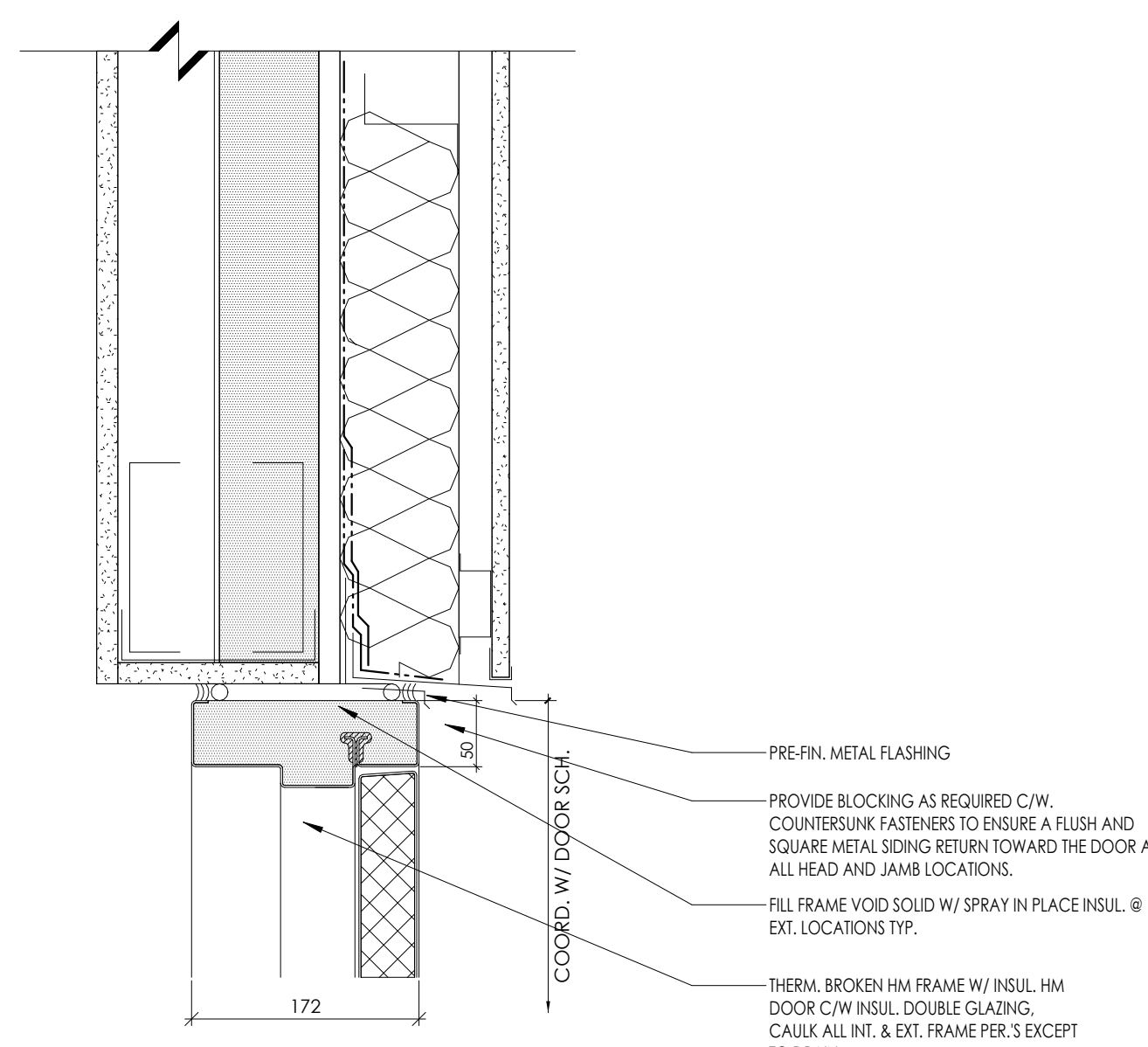
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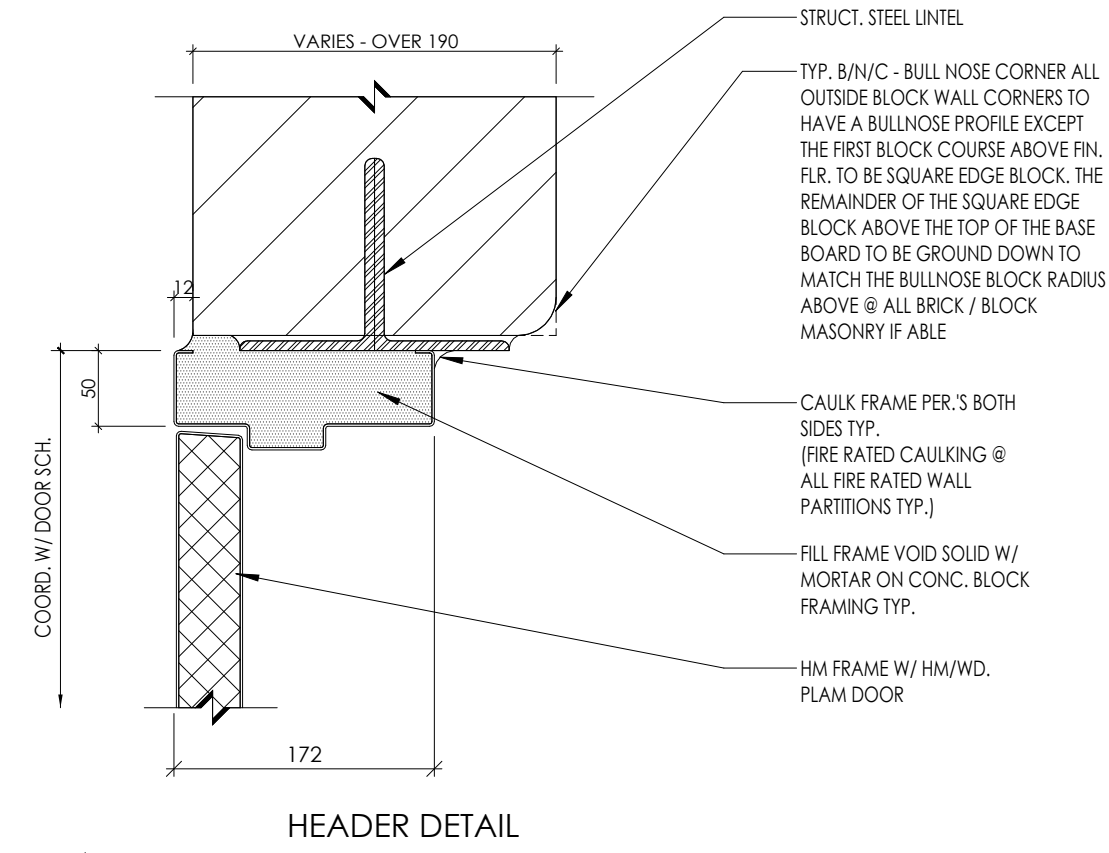
4 HM DOOR JAMB DETAIL @ EXT. CMU WALL

4 HM DOOR JAMB DETAIL @ EXT. CMU WALL  
A8.2 1:5



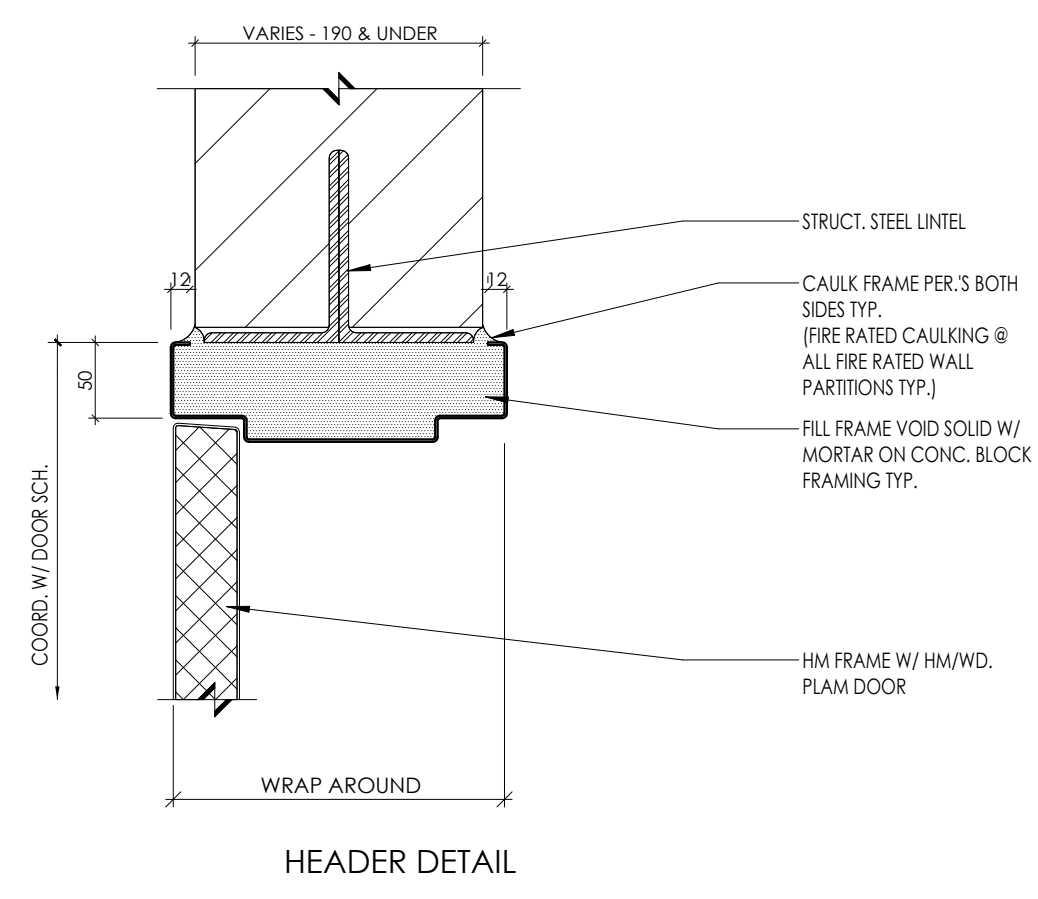
5 DOOR\_HM @ EXT STUD WALL

5 DOOR\_HM @ EXT STUD WALL  
A8.2 1:5



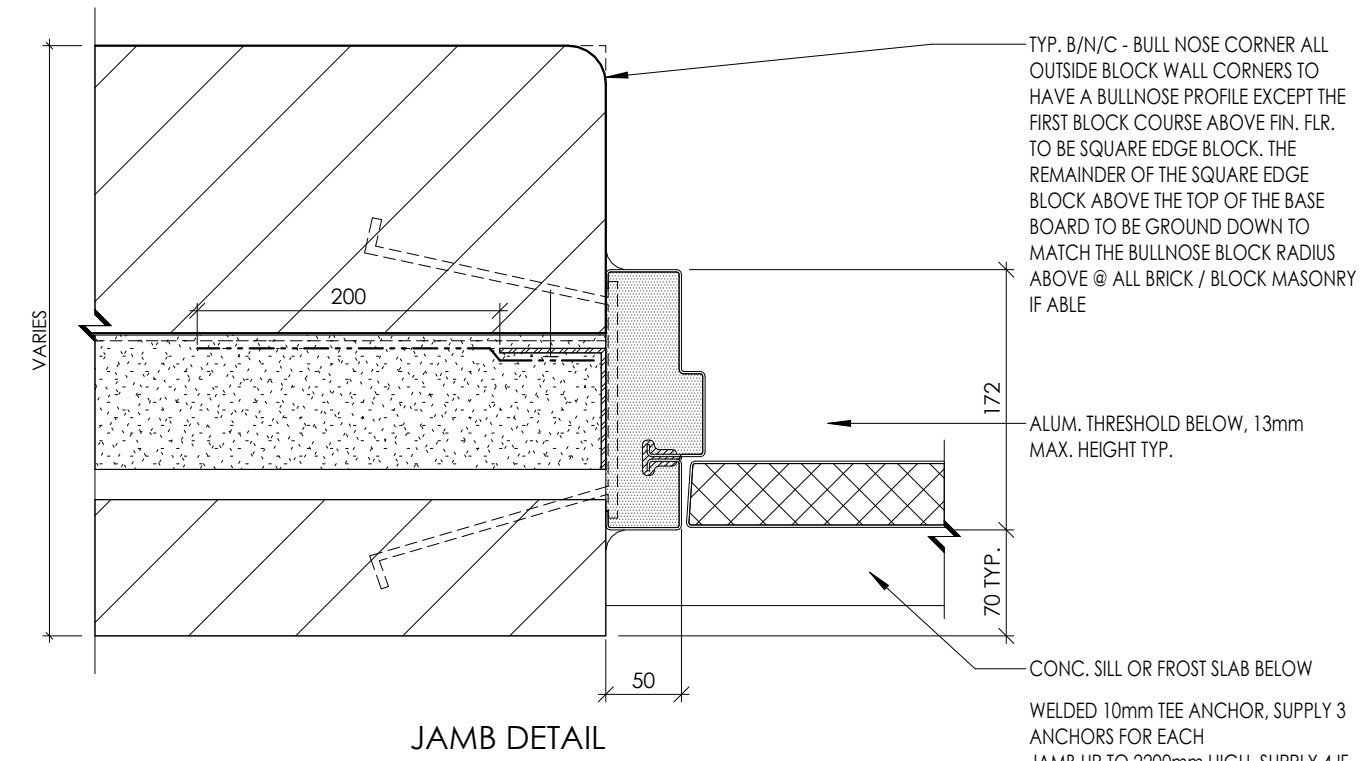
6 HM DOOR FRAME DETAILS @ CMU

6 HM DOOR FRAME DETAILS @ CMU  
A8.2 1:5



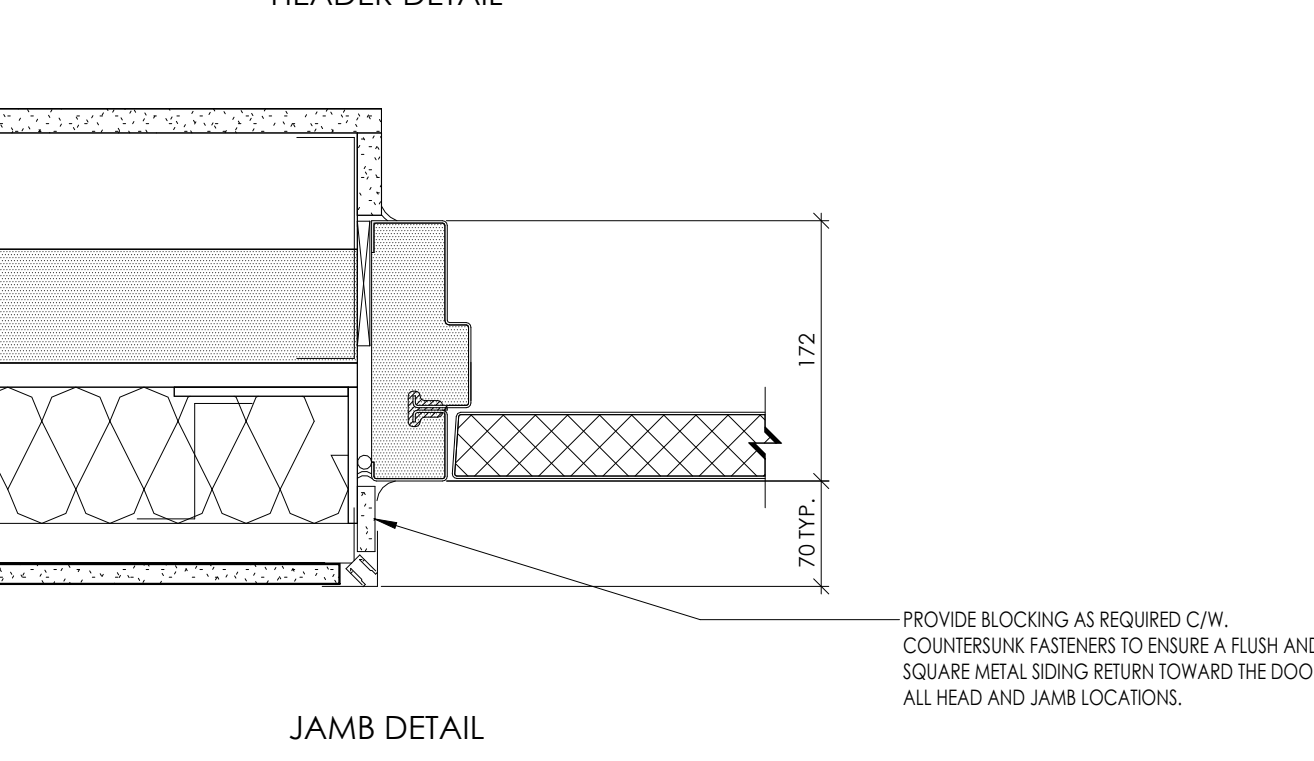
7 HM WRAP AROUND FRAME DETAILS @ CMU

7 HM WRAP AROUND FRAME DETAILS @ CMU  
A8.2 1:5



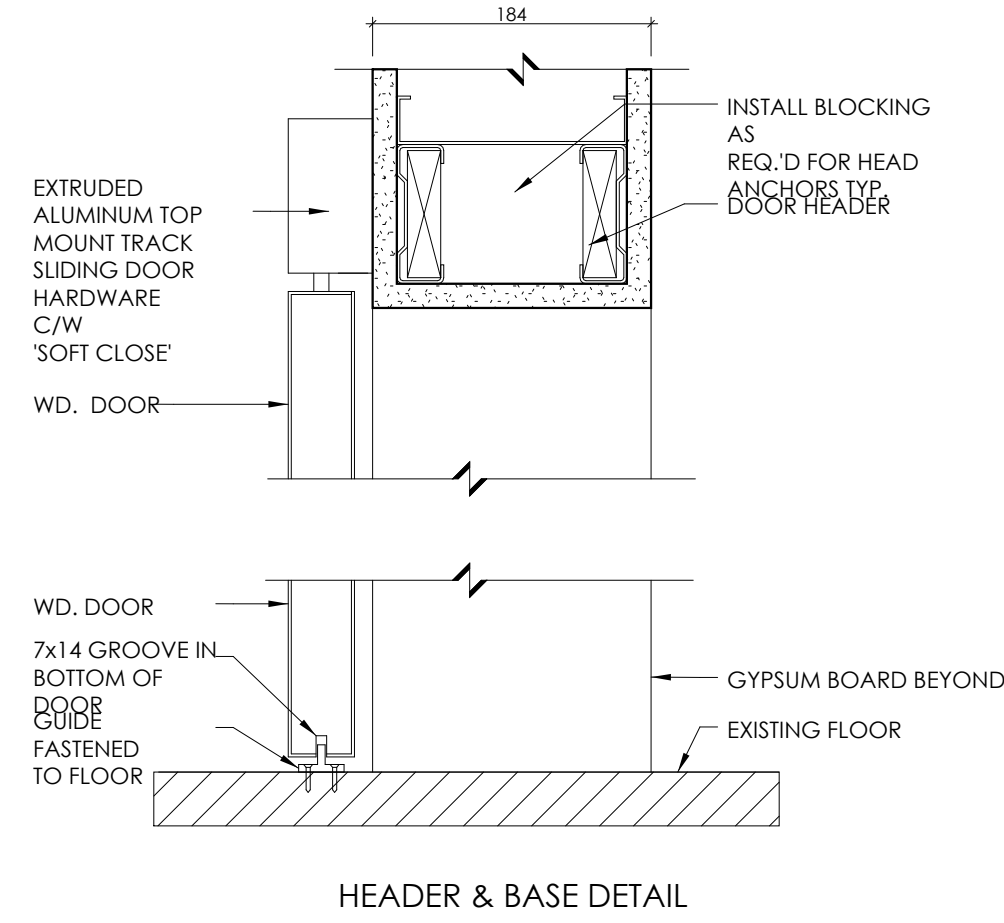
4 HM DOOR JAMB DETAIL @ EXT. CMU WALL

4 HM DOOR JAMB DETAIL @ EXT. CMU WALL  
A8.2 1:5



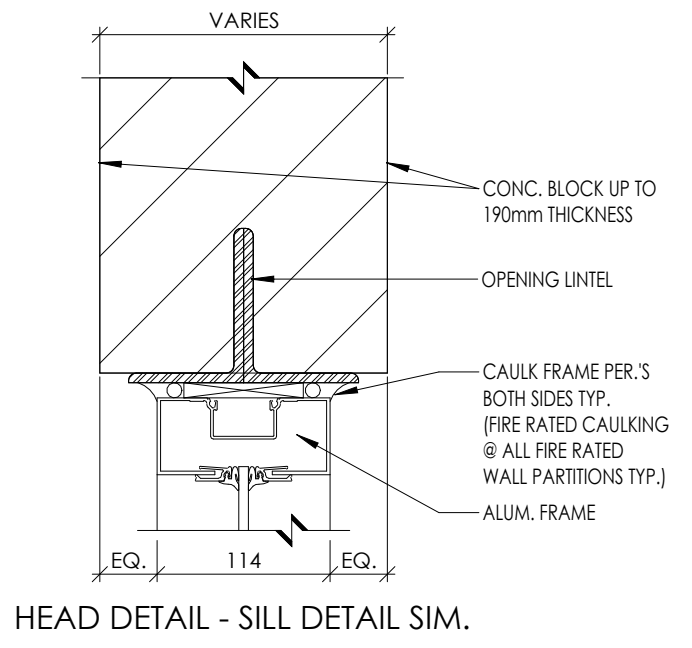
5 DOOR\_HM @ EXT STUD WALL

5 DOOR\_HM @ EXT STUD WALL  
A8.2 1:5



8 SLIDING DOOR DETAILS

8 SLIDING DOOR DETAILS  
A8.2 1:5



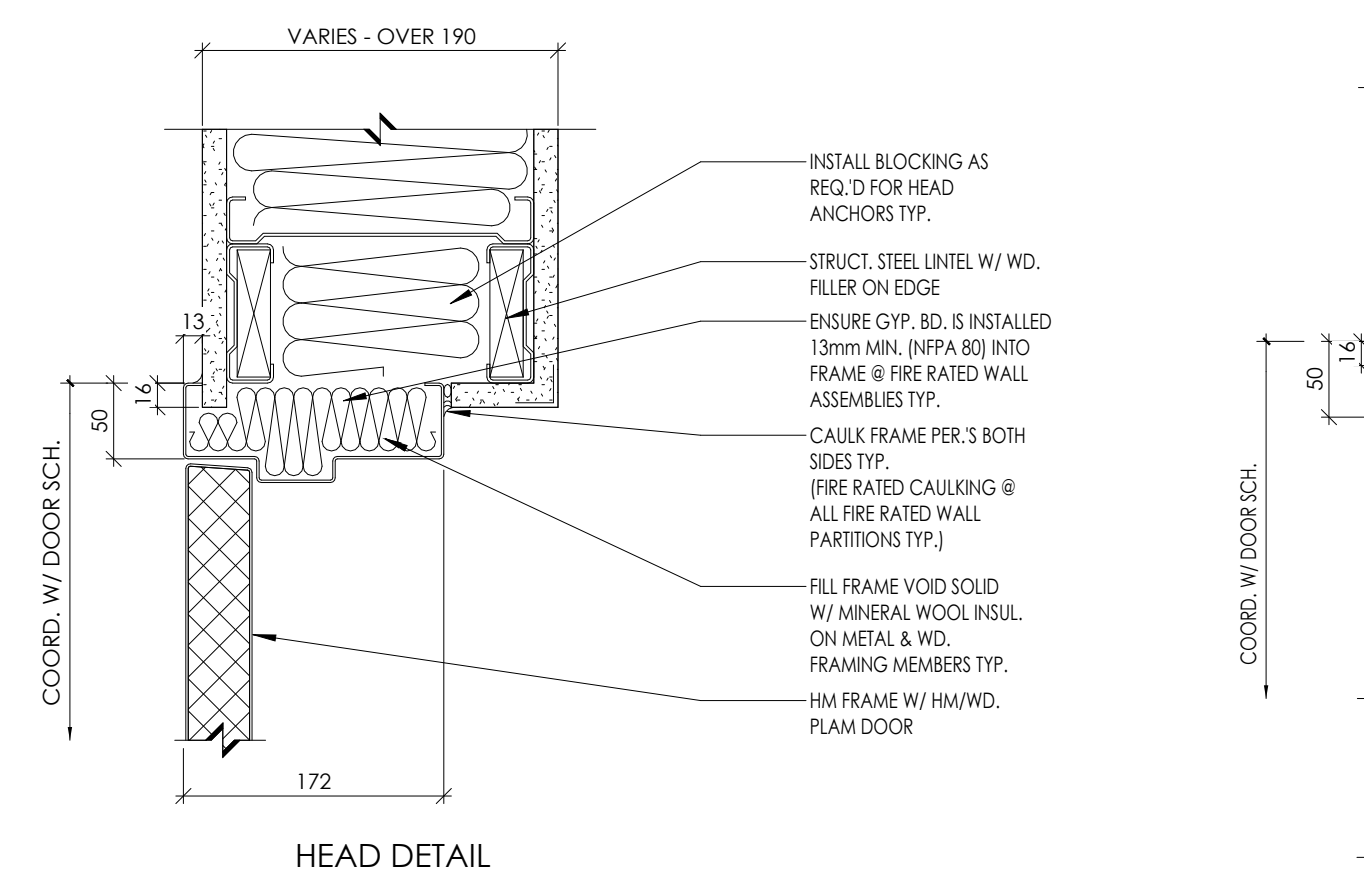
HEAD DETAIL - SILL DETAIL SIM.

HEAD DETAIL

BASE DETAIL @ FLR.

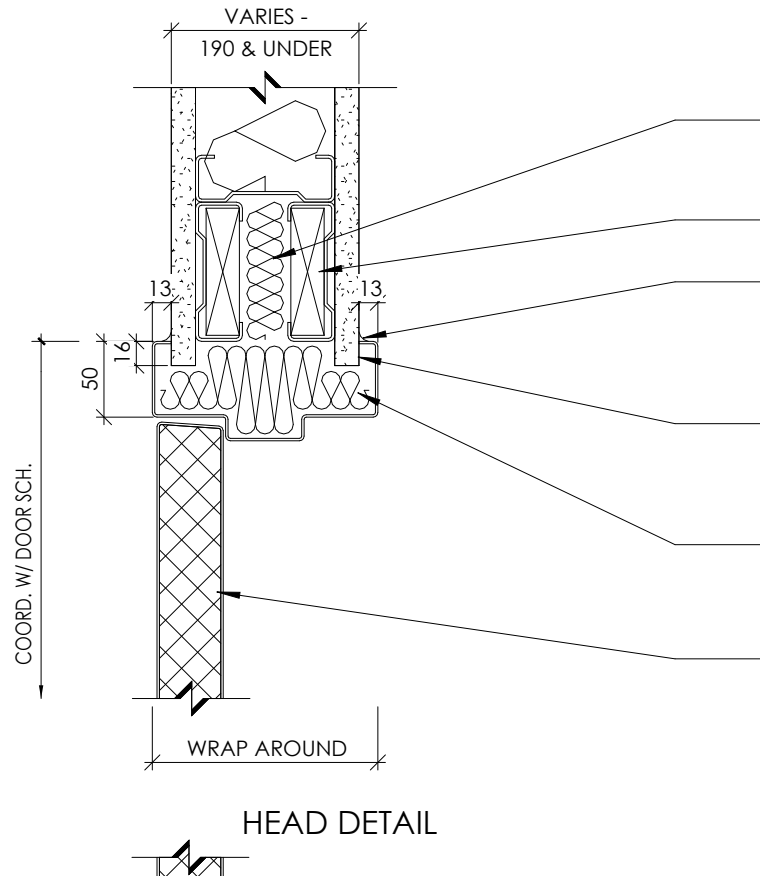
2 DOORS\_ALUM & HM SCREEN SECTION & PLAN DETAILS

2 DOORS\_ALUM & HM SCREEN SECTION & PLAN DETAILS  
A8.2 1:5



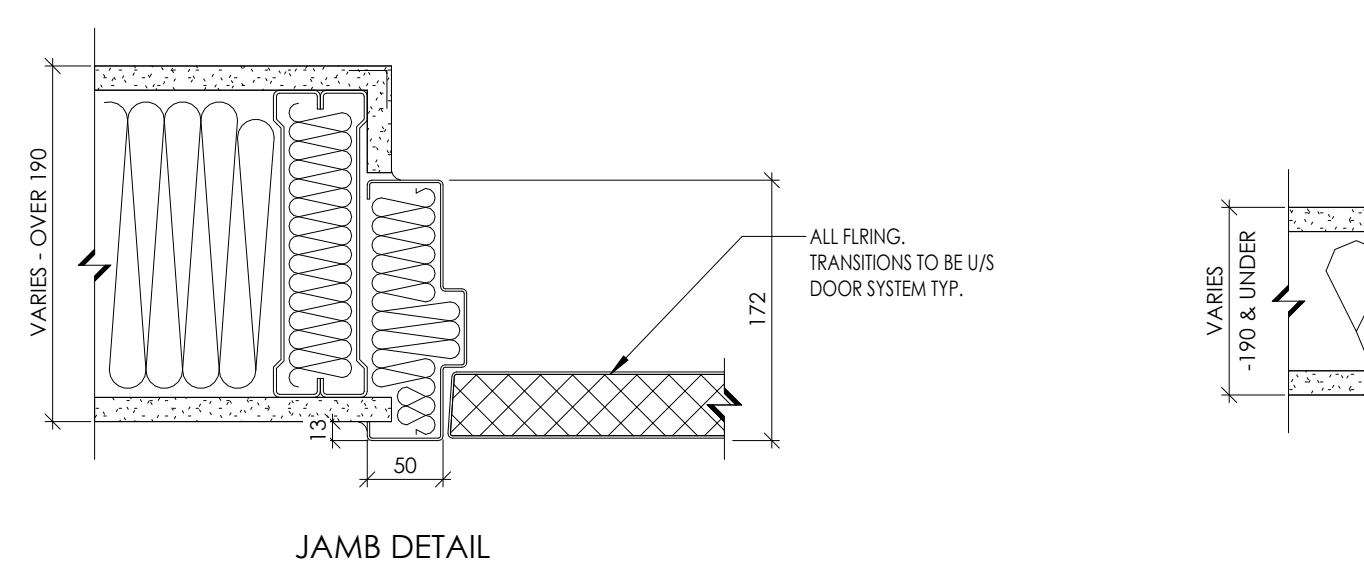
1 HM OFFSET DOOR FRAME DETAILS

1 HM OFFSET DOOR FRAME DETAILS  
A8.2 1:5



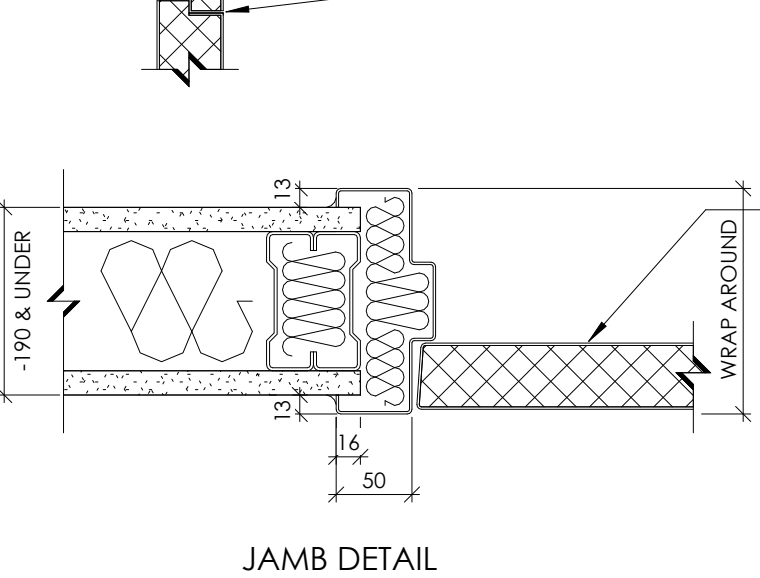
3 HM DOOR FRAME DETAILS

3 HM DOOR FRAME DETAILS  
A8.2 1:5



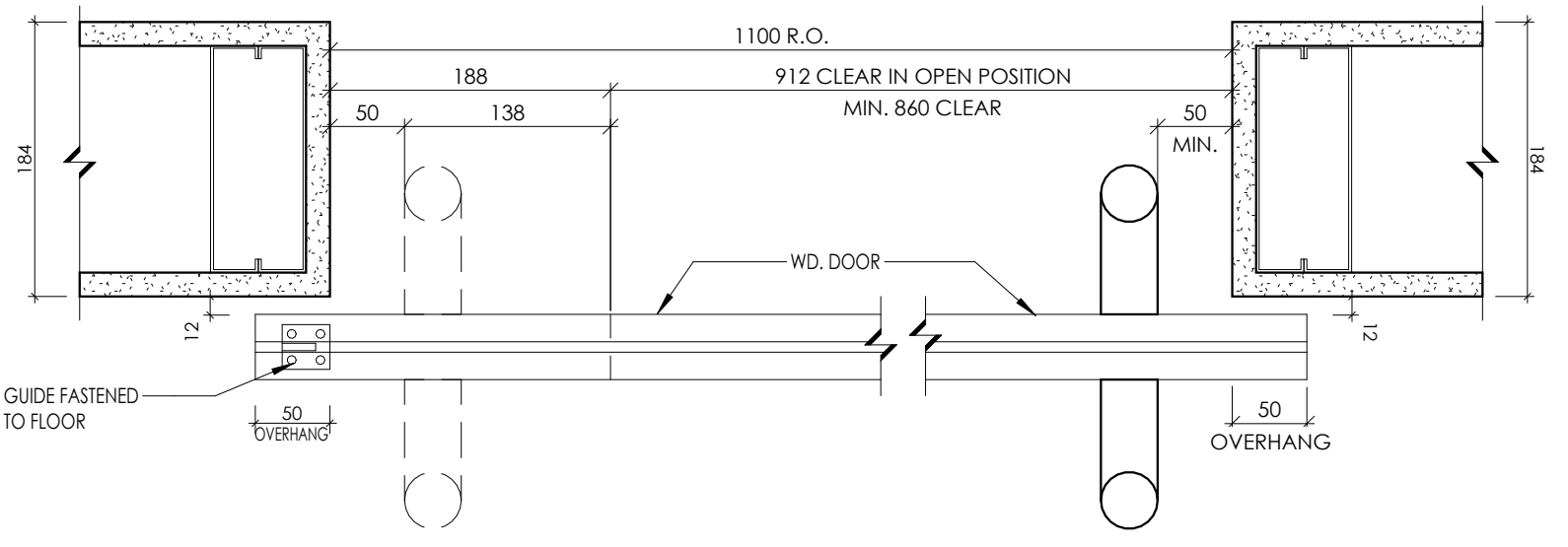
1 HM OFFSET DOOR FRAME DETAILS

1 HM OFFSET DOOR FRAME DETAILS  
A8.2 1:5



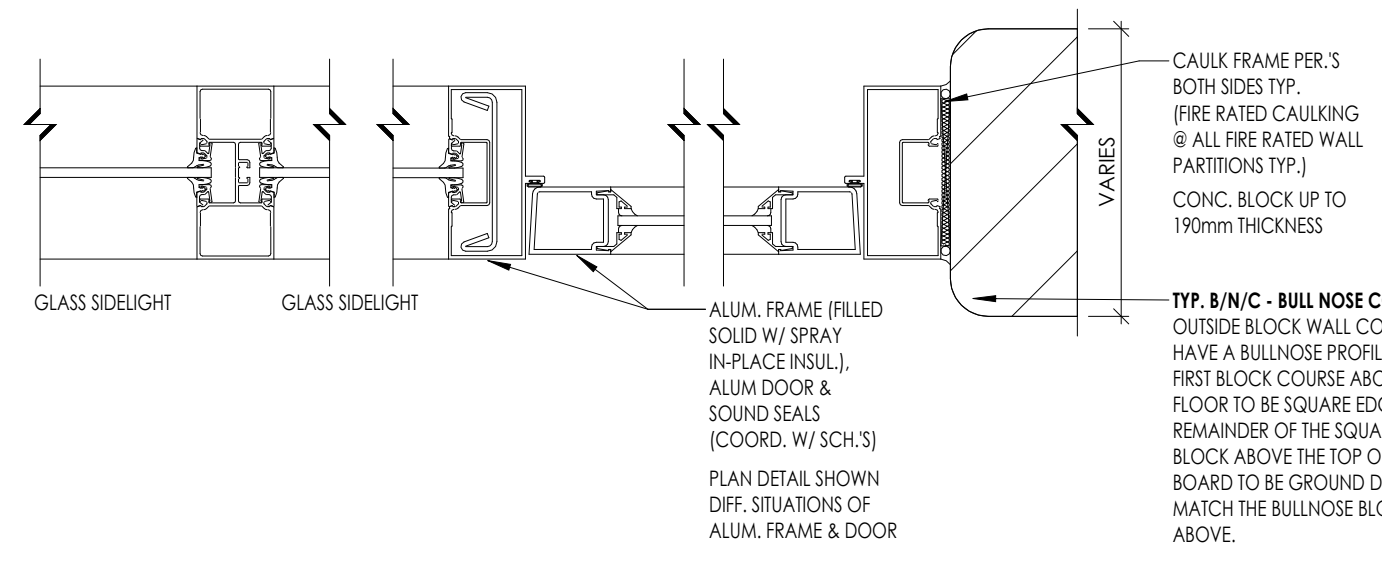
3 HM DOOR FRAME DETAILS

3 HM DOOR FRAME DETAILS  
A8.2 1:5



8 SLIDING DOOR DETAILS

8 SLIDING DOOR DETAILS  
A8.2 1:5



2 DOORS\_ALUM & HM SCREEN SECTION & PLAN DETAILS  
A8.2 1:5

Revision Schedule		
Particular	Date	No.
ISSUED FOR TENDER PERMIT	04/05/2023	3

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MEASURE AND CONFIRM NEW DOORS, WINDOWS, CURTAIN WALLS AND SCREENS OPENINGS REQUIRED FOR THIS RENOVATION BEFORE ORDERING AND ASSEMBLING

All dimensions and measurements must be checked and verified by the General Contractor.



**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

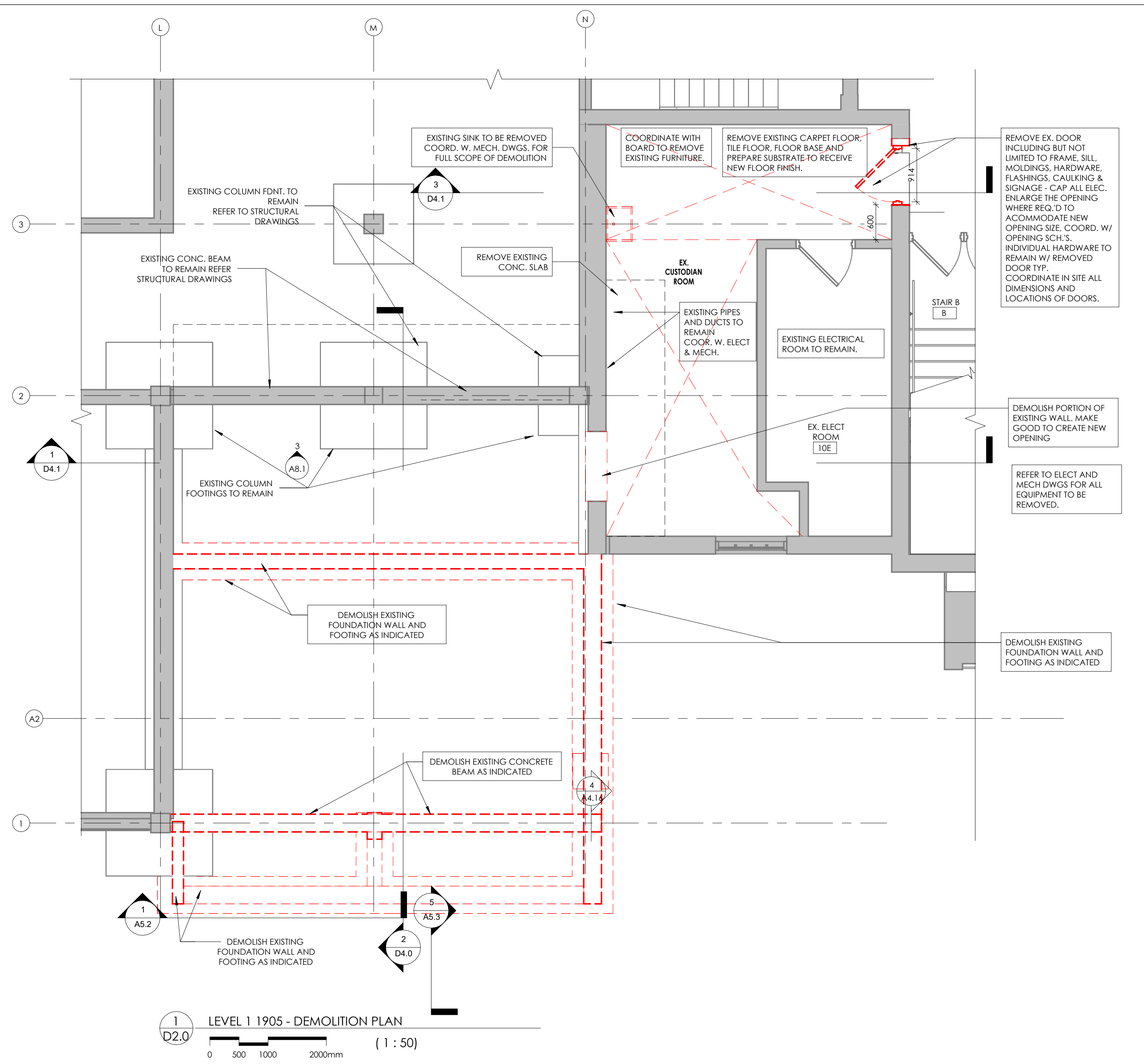
ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**VG ARCHITECTS**  
THE VENTIN GROUP LTD



**DOOR & SCREEN DETAILS**

**A8.2**



**DEMOLITION LEGEND**

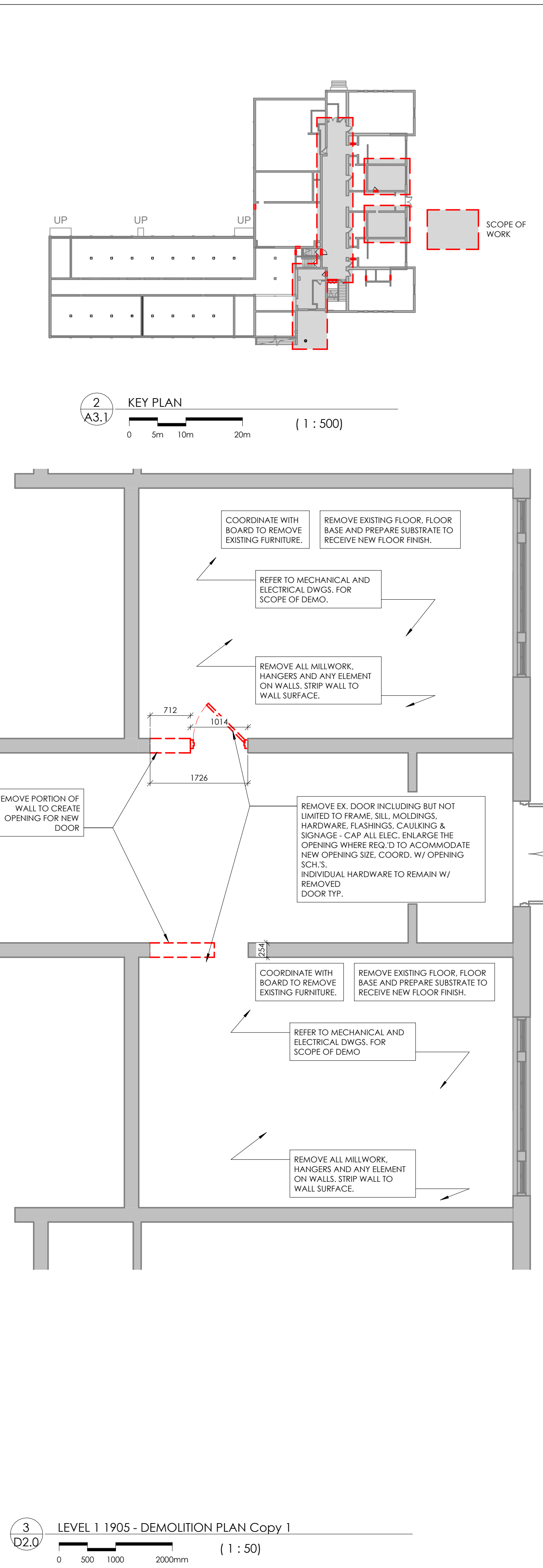
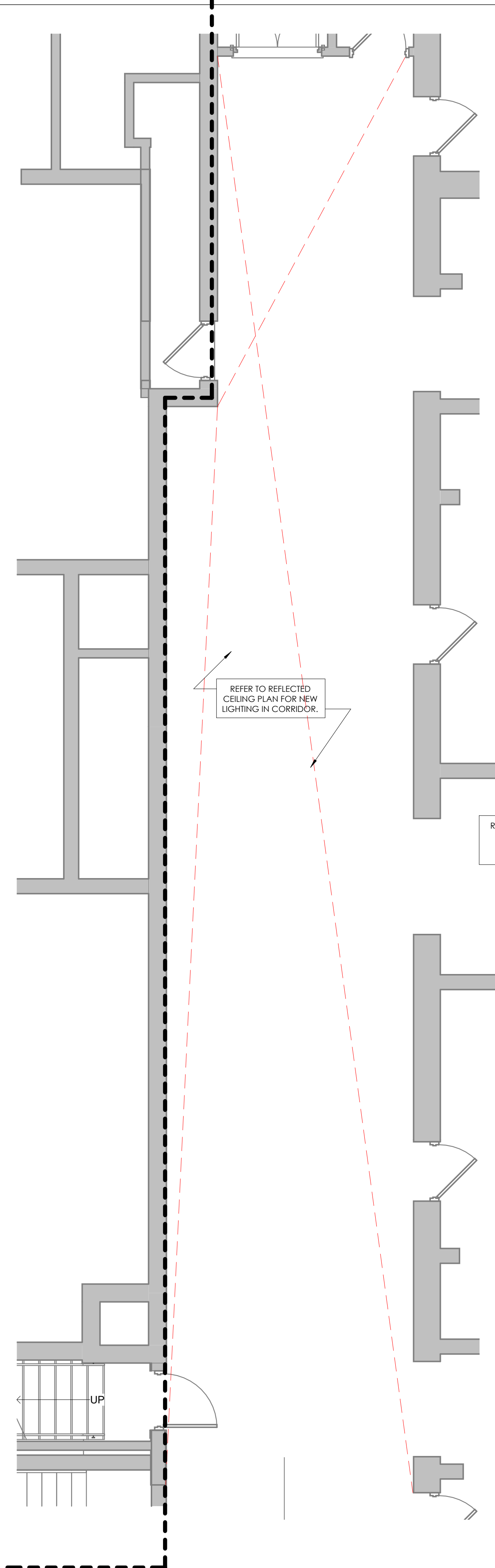
- EXISTING BUILDING TO REMAIN
- EXISTING WALLS & DOORS TO BE DEMOLISHED & REMOVED. DEMOLITION TYPICALLY IS FROM FINISHED FLOOR TO UPS FLOOR OR ROOF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
- EXISTING FLOOR, ROOF, CANOPY OR CEILING SURFACES TO BE DEMOLISHED, REPAIRED OR PREPPED AS NOTED. COORDINATE FULL EXTENT WITH ALL OTHER DISCIPLINES.

**WALL NOTES:**  
 REMOVE PORTION OF EX. INDICATED WALL(S) (COMPLETE COMPOSITION) FOR NEW SERVICE OPENING(S) (COORD. W/ MECH. AND ELEC. DESIGNS).  
 REMOVE EX. WOOD TRANSOM FROM EX. DOOR FRAME.  
 IMPLEMENTATION OF NEW ELEC. IN THRU EX. WALL SYSTEM AS REQ. D  
 COORDINATE IN SITE ALL DIMENSIONS AND LOCATIONS OF DOORS TO BE REMOVED

**NOTE:**  
 COORD. W/ ALL CONSULTANT DWG.'S FOR IMPLEMENTATION OF NEW OPENINGS / PENETRATIONS THROUGH EX. WALL SYSTEMS THAT REQ. DEMO. WORK - NO ADDITIONAL COSTS WILL BE ALLOWED FOR UN-COORD. DEMO WORK THAT IS SHOWN AS NEW IN CONST. DOCUMENTS THAT THE CONTRACTOR KNOWS NEW OPENINGS ARE REQ. D TO FINISH THE WORK  
 [COORD. W/ STRUCT. FOR ANY ADDITIONAL LINTELS / WALL SUPPORTS REQ. D]

**GENERAL DEMOLITION NOTES**

- CONTRACTOR TO VERIFY ALL CONDITIONS ON SITE TO DETERMINE COMPLETE SCOPE OF WORK. (COORD. W/ EX. SITE SURVEY & ALL OTHER DWG.'S)
- CONTRACTOR TO SECURE THE WORK SITE DURING DEMO. & CONST. & HOARD OFF THE WORK AREA TO PREVENT ACCESS ANYONE NOT ENGAGED IN THE WORK OF THE DEMOLITION/CONST. SCOPE.
- CONTRACTOR TO PROTECT ALL EXPOSED PORTIONS OF THE EX. BLDG. TO REMAIN/REPLACE & TO REPAIR ANY DAMAGE CAUSED BY INSUFFICIENT PROTECTION.
- MAKE GOOD ALL DISTURBED SURFACES & ADJACENT SYSTEMS THAT ARE DAMAGED AND THAT ARE TO REMAIN. PROVIDE CLEAN TRANSITIONS TYPICAL.
- MAINTAIN SAFE PUBLIC ACCESS TO THE BLDG. DURING OPERATING HOURS & MAINTAIN FULL EMERGENCY ACCESS & EXITING @ ALL TIMES TO & FROM THE BLDG. & PROVIDE PROTECTION TO THE PUBLIC FROM FALLING DEBRIS & CONST. TRAFFIC & POST SIGNAGE AS REQ. D.
- CONTRACTOR TO OBTAIN LOCATES FOR ALL UNDERGROUND & O/H SERVICES ON BOTH EXT. & INT. OF PROPERTY/ BOUNDARY/ SCOPE OF WORK LINES PRIOR TO ANY DIGGING/ EXCAVATION/ WORK.
- (COORD. W/ SITE SERVICE & EX. SITE SURVEY DWG.'S)
- CONTRACTOR TO INCLUDE REMOVAL & TERMINATION OF ANY EX. SERVICES CONNECTED TO THE EXISTING BUILDING/ LOCATED IN SCOPE OF WORK TO BE DEMOLISHED/ OR RELOCATED INCLUDING ANY NECESSARY PERMITS OR UTILITY FEES.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL & DISPOSAL OF ALL MATERIAL THAT ARE DEMOLISHED & THAT ARE NOT INDICATED FOR RE-USE/ RECLAIMING/ SLAVAGING OR AS OTHERWISE INDICATED BY THE OWNER. ALL COSTS ARE PART OF BASE BID SUBMISSION IN ACCORDANCE W/ BEST CONSTRUCTION PRACTICE, OBC, MUNICIPAL & PROVINCIAL LEGISLATURE REGARDING DEMOLITION & DISPOSAL METHODS (RECYCLE ALL MATERIAL WHERE ABLE) & ANY LEED REQUIREMENTS ALSO SPECIFIED UNDER THIS DOCUMENT.
- PERFORM ALL REQUIRED HAZARDOUS MATERIALS REMOVALS & ABATEMENT AS PART OF THIS WORK. REFER TO SPECIFICATIONS FOR: "2018 Asbestos Audit Update - King Edward Public School, 709 King Street West, Kitchener, Ontario", PREPARED BY MTE FILE NO. C34532-917 DATED JUNE 5TH, 2018.
- IF ANY HAZARDOUS MATERIAL IS DISCOVERED IN BUILDING MATERIALS, MEDIATE THE EXISTING BUILDING MATERIALS AS REQUIRED UNDER CASH ALLOWANCE FOR UNKNOWN HAZARDOUS MATERIALS.
- ABATEMENT & DEMOLITION INCLUDES THE REMOVAL, PROPER DISPOSAL OFF SITE & RECYCLING WHERE AVAILABLE OF ALL ITEMS INDICATED
- BEFORE DEMOLITION / REMOVAL OF ANY EXISTING WALL SYSTEMS OR PARTIAL WALL SYSTEMS, CONSULT A STRUCTURAL ENGINEER. WHEREVER A LOAD BEARING MEMBER / BEAM / LINTEL / POST(S) / COLUMN(S) ARE AFFECTED, SHOP DWG.'S ARE TO BE SUBMITTED BEFORE ANY WORK IS UNDERTAKEN.
- PROVIDE AN ENGINEERED METHODOLOGY REPORT FOR DEMOLITION WHEN REQUIRED BY THE MUNICIPALITY.
- "TOOTHING IN" MASONRY IS ONLY ACCEPTED WHERE EXISTING MASONRY WALL SYSTEM HAS BEEN DEMOLISHED OR WHERE A NEW OPENING HAS BEEN MADE. REMOVE ANY DAMAGED MASONRY WITH RECLAIMED MATERIAL TO MATCH EXISTING WHERE POSSIBLE. MAKE CLEAN TRANSITIONS TYP.
- MAKE GOOD ALL EXISTING SURFACES / SUBSTRATES / OPENINGS TO RECEIVE NEW FINISHES. INFILL AFTER ANY DEMOLITION OF MATERIALS & ENSURE THEY ARE CLEAN & FREE FROM OBSTRUCTIONS SO NEW WORK IS NOT ADVERSELY AFFECTED.
- PROTECT ALL SIGNIFICANT AREAS / ELEMENTS TO REMAIN DURING DEMOLITION TYP.
- PLUMBING, PIPING & DUCTWORK TO BE REMOVED SHALL BE TERMINATED AND CAPPED IN ACCORDANCE W/ ALL LOCAL & PROVINCIAL CODES WHICH GOVERN THIS WORK.
- ALL ELEC. WIRING TO BE REMOVED SHALL BE REMOVED BACK TO THE POINT OF ORIGIN. (IE. ELEC. BREAKER PANEL)
- ALL ABANDONED THROUGH-FLOOR PENETRATIONS ARE TO BE FILLED IN TO MATCH THICKNESS OF EXISTING TO REMAIN.
- CONTRACTOR TO PROVIDE REPAIRS TO EX. WALLS TO REMAIN WHERE ADJOINING WALLS ARE REMOVED OR NEW OPENINGS ARE INSTALLED.
- PROTECT ALL EX. BLDG. TO REMAIN COMPONENTS FROM DAMAGE. REPAIR ANY DAMAGE CAUSED BY THIS DEMOLITION WORK.
- CONTRACTOR TO HOARD OFF DEMO. AREA TO PREVENT ACCESS FROM ANYONE NOT ENGAGED IN THE WORK OF THIS DEMOLITION SCOPE.
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Waterloo Region District School Board Logo

**CLIENT**  
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**PROJECT:**  
 22059  
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 709 KING STREET WEST, KITCHENER, ON N2G 1E3

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**LEVEL 1 1905 DEMOLITION PLAN**

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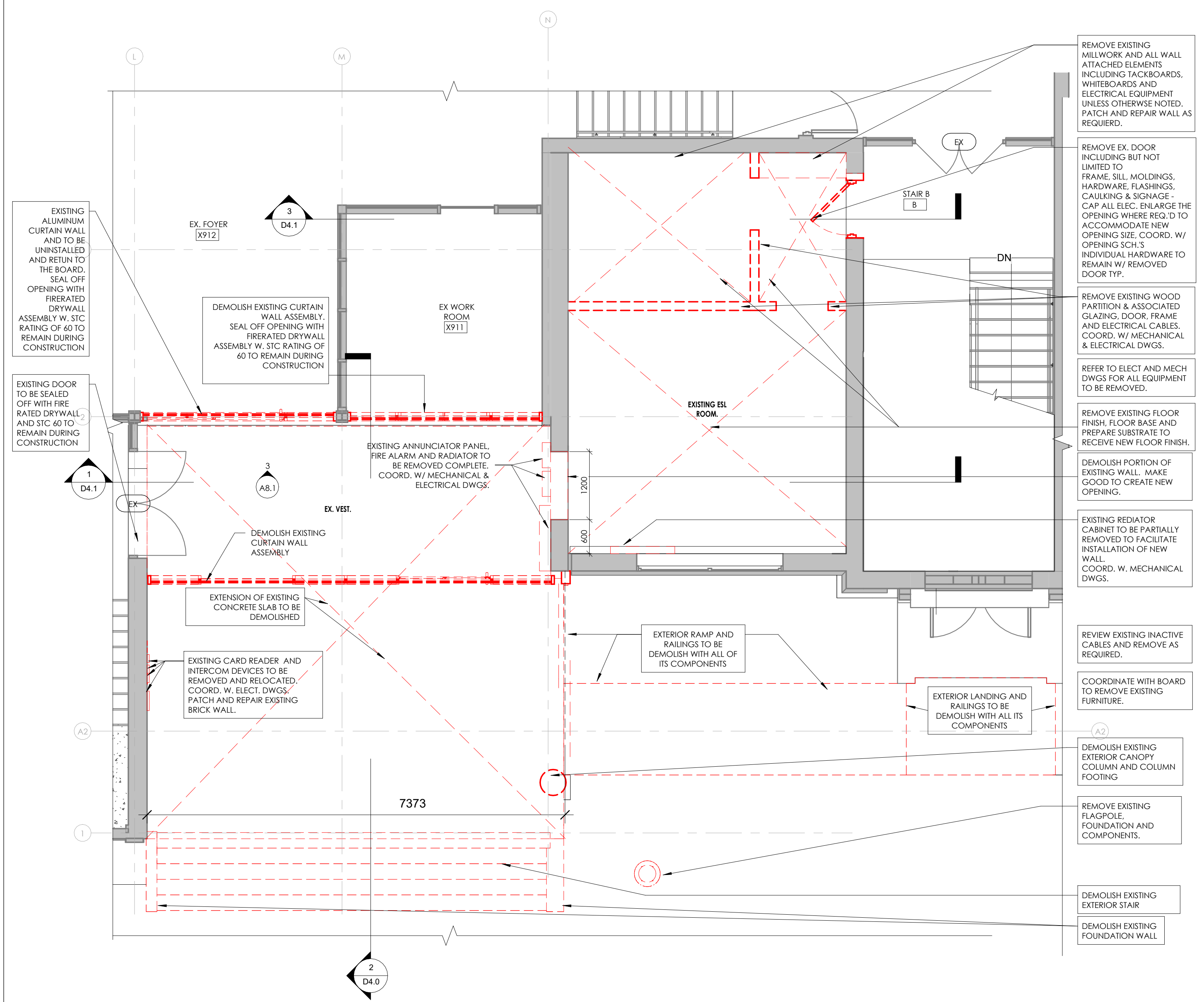
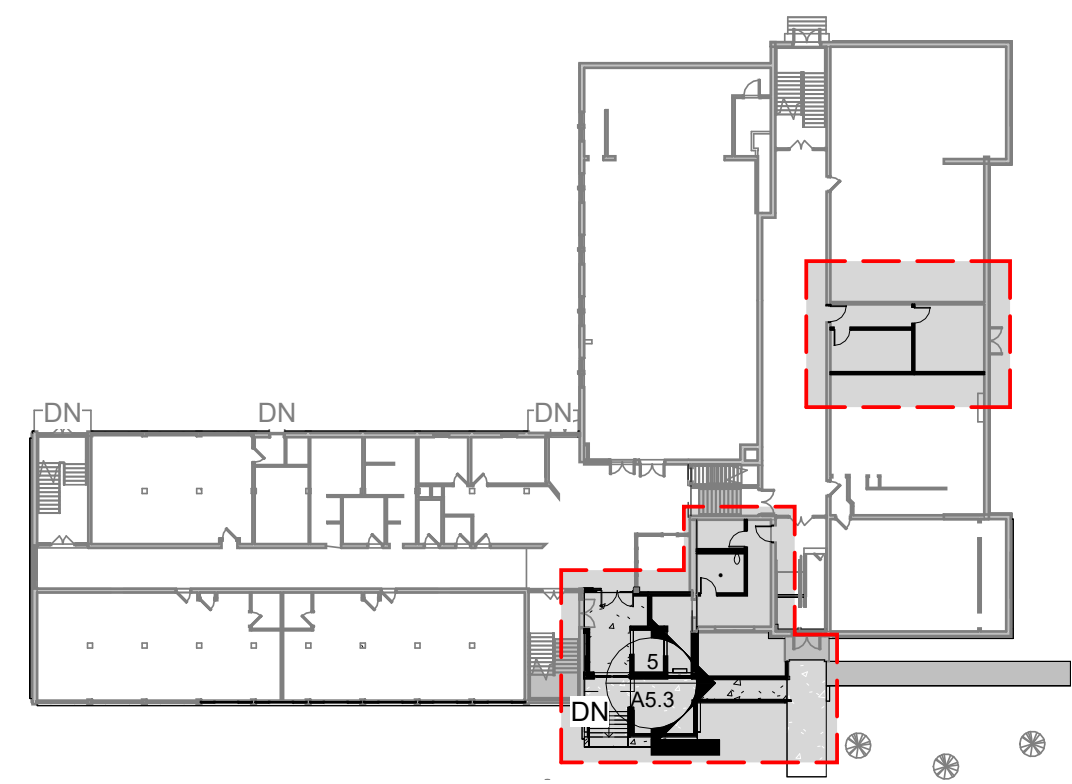
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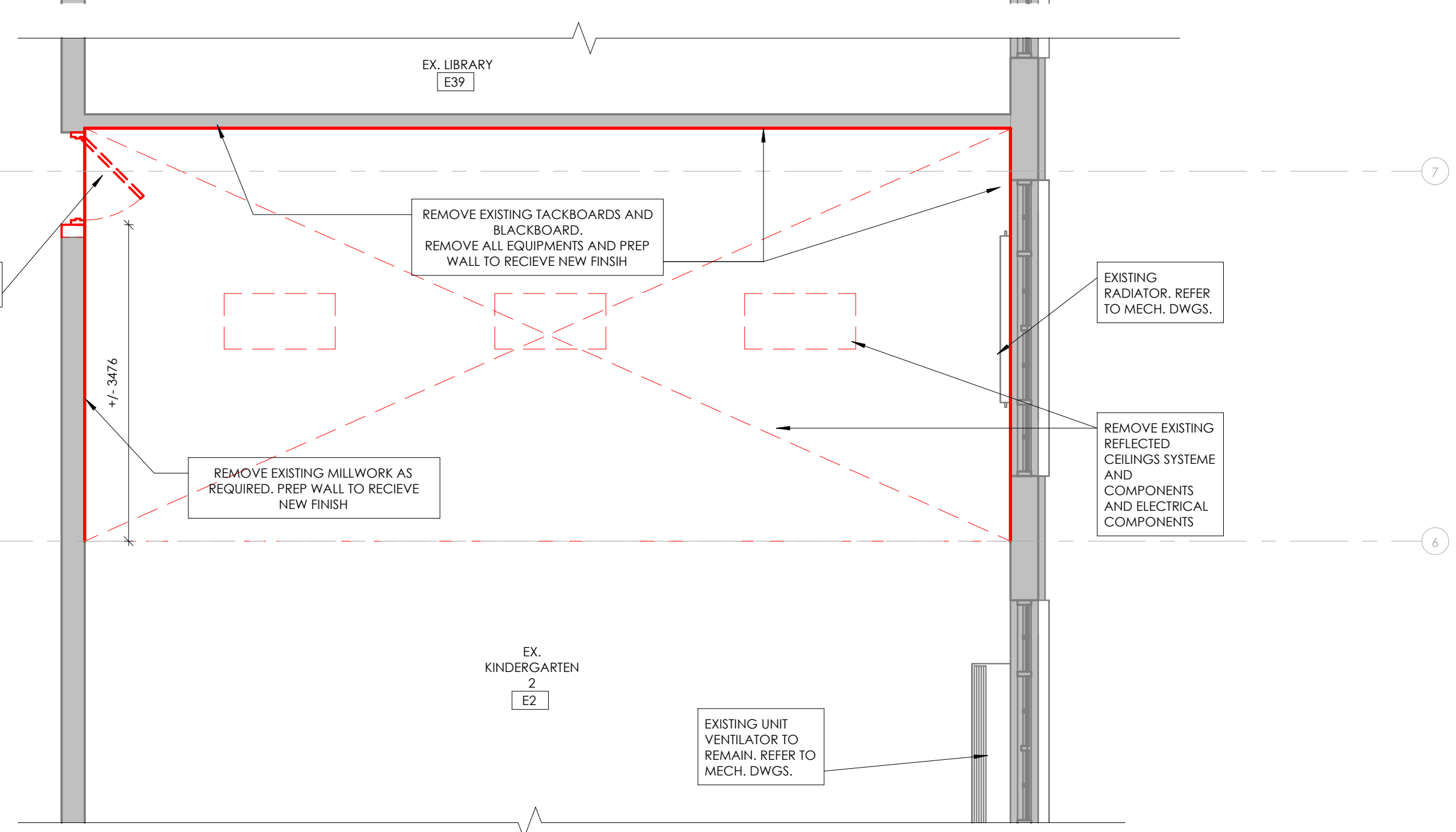


3 KEY PLAN Copy 1 (1 : 500)



2 LEVEL 1 1962 & LEVEL 2 1905 DEMOLITION PLAN (1 : 50)

- REMOVE EXISTING MILLWORK AND ALL WALL ATTACHED ELEMENTS INCLUDING TACKBOARDS, WHITEBOARDS AND ELECTRICAL EQUIPMENT UNLESS OTHERWISE NOTED. PATCH AND REPAIR WALL AS REQUIRED.
- REMOVE EX. DOOR INCLUDING BUT NOT LIMITED TO FRAME, SILL, HOLDINGS, HARDWARE, FLASHINGS, CAULKING & SIGNAGE - CAP ALL ELEC. ENLARGE THE OPENING WHERE REQ'D TO ACCOMMODATE NEW OPENING SIZE. COORD. W/ OPENING SCH. 1'S INDIVIDUAL HARDWARE TO REMAIN W/ REMOVED DOOR TYP.
- REMOVE EXISTING WOOD PARTITION & ASSOCIATED GLAZING, DOOR, FRAME AND ELECTRICAL CABLES. COORD. W/ MECHANICAL & ELECTRICAL DWGS.
- REFER TO ELEC. AND MECH DWGS FOR ALL EQUIPMENT TO BE REMOVED.
- REMOVE EXISTING FLOOR FINISH, FLOOR BASE AND PREPARE SUBSTRATE TO RECEIVE NEW FLOOR FINISH.
- DEMOLISH PORTION OF EXISTING WALL. MAKE GOOD TO CREATE NEW OPENING.
- EXISTING RADIATOR CABINET TO BE PARTIALLY REMOVED TO FACILITATE INSTALLATION OF NEW WALL. COORD. W. MECHANICAL DWGS.
- REVIEW EXISTING INACTIVE CABLES AND REMOVE AS REQUIRED.
- COORDINATE WITH BOARD TO REMOVE EXISTING FURNITURE.
- DEMOLISH EXISTING EXTERIOR CANOPY COLUMN AND COLUMN FOOTING.
- REMOVE EXISTING FLAGPOLE, FOUNDATION AND COMPONENTS.
- DEMOLISH EXISTING EXTERIOR STAIR.
- DEMOLISH EXISTING FOUNDATION WALL.



1 LEVEL 2 1905 DEMOLITION PARTIAL PLAN CASH ALLOWANCE (1 : 50)

**DEMOLITION LEGEND**

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 COORDINATE IN SITE ALL DIMENSIONS AND LOCATIONS OF DOORS TO BE REMOVED

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  - MAINTAIN SAFE PUBLIC ACCESS TO THE BLDG. DURING OPERATING HOURS & MAINTAIN FULL EMERGENCY ACCESS & EXITING @ ALL TIMES TO & FROM THE BLDG. & PROVIDE PROTECTION TO THE PUBLIC FROM FALLING DEBRIS & CONST. TRAFFIC & POST SIGNAGE AS REQ'D.
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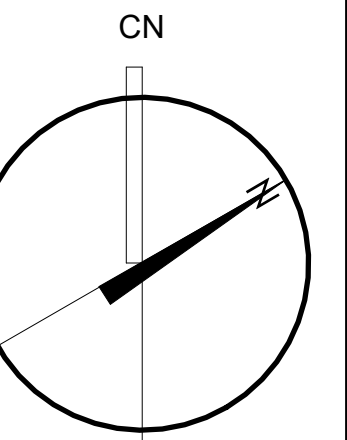


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 709 KING STREET WEST, KITCHENER, ON N2G 1E3

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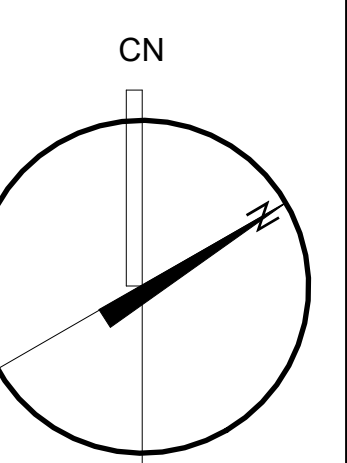


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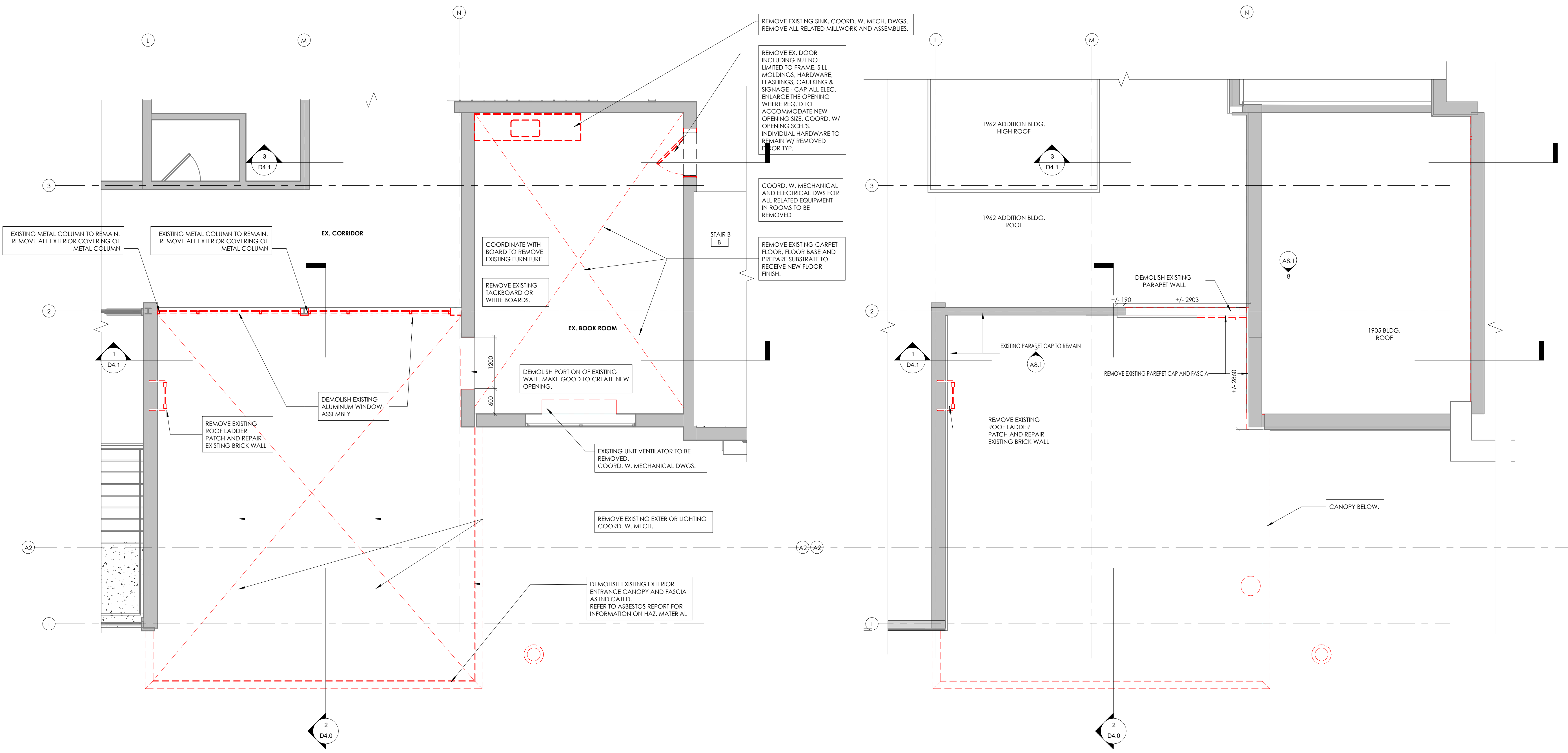
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**DEMOLITION PLANS**

**D2.2**

Drawn by: AM/LI Checked by: Check@cale: As indicated



**DEMOLITION LEGEND**

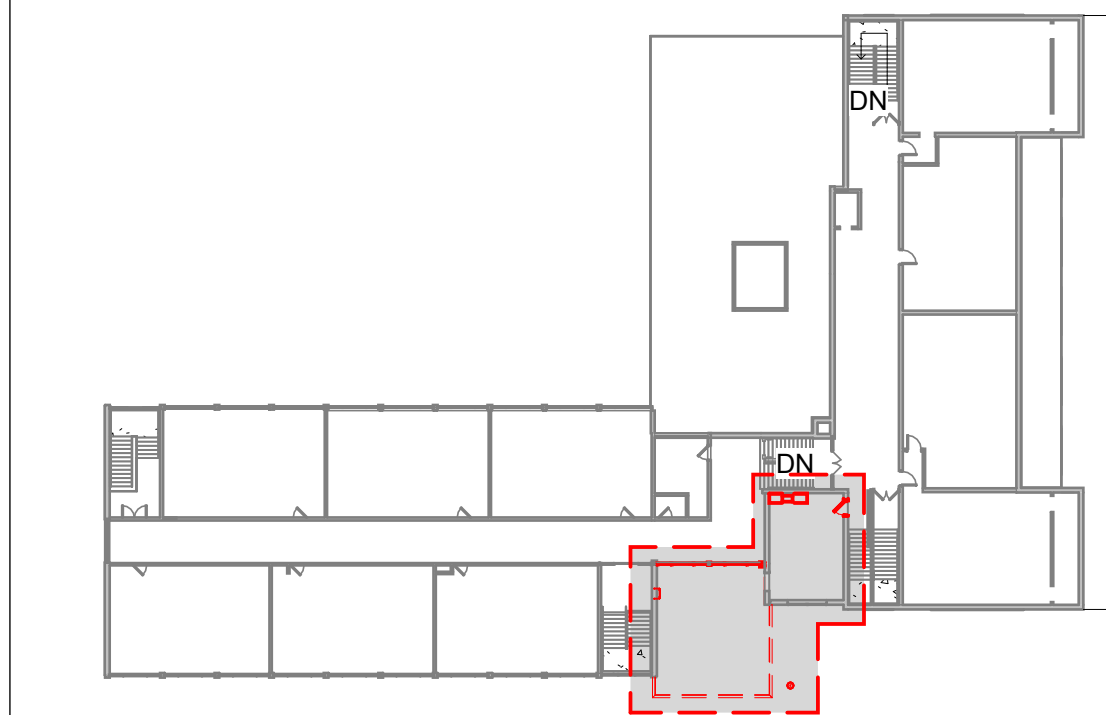
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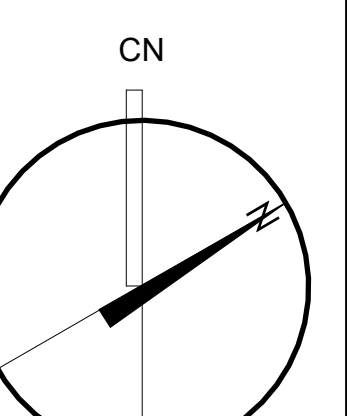


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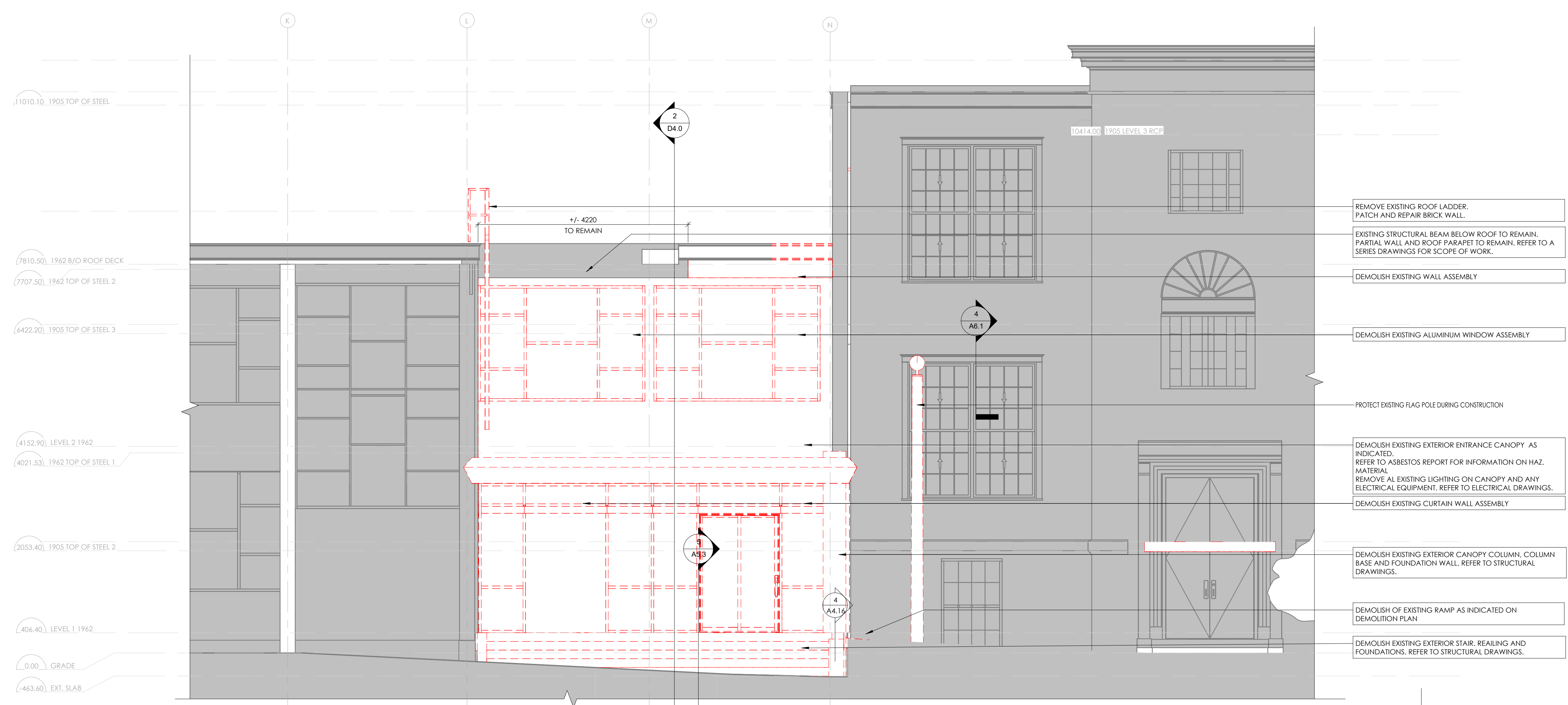


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DEMOLITION SECTION

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**1 DEMOLITION ELEVATION**  
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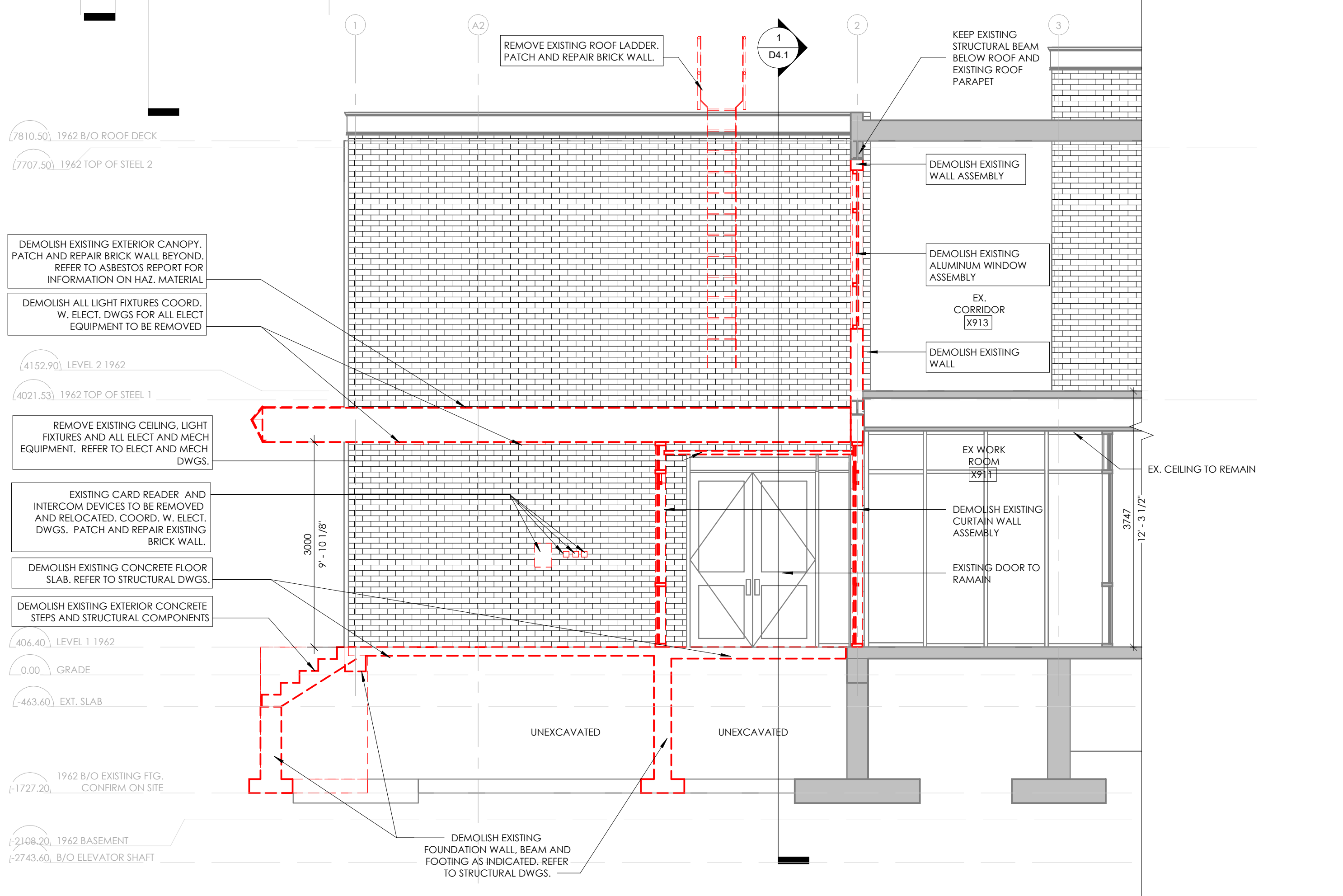
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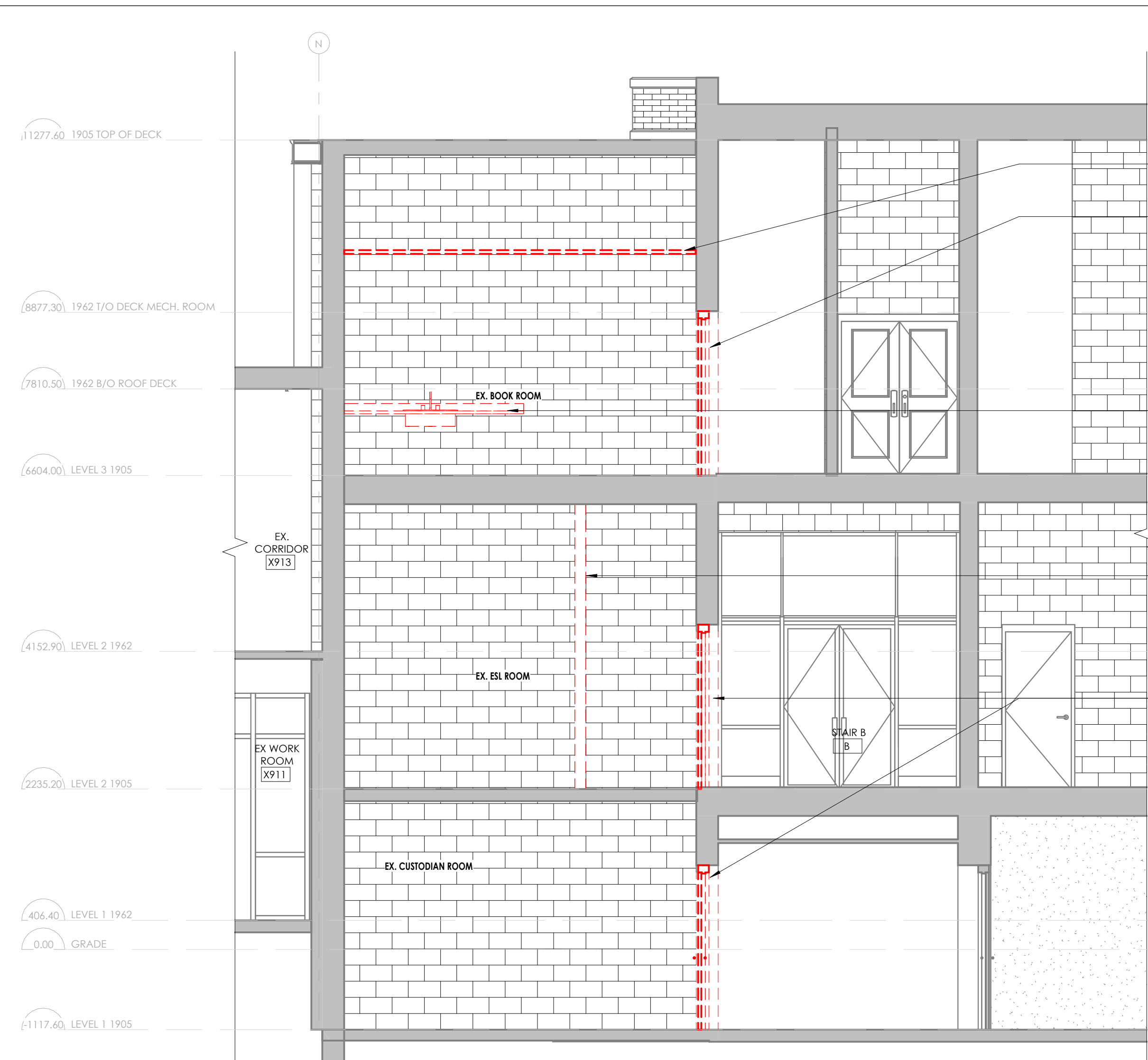
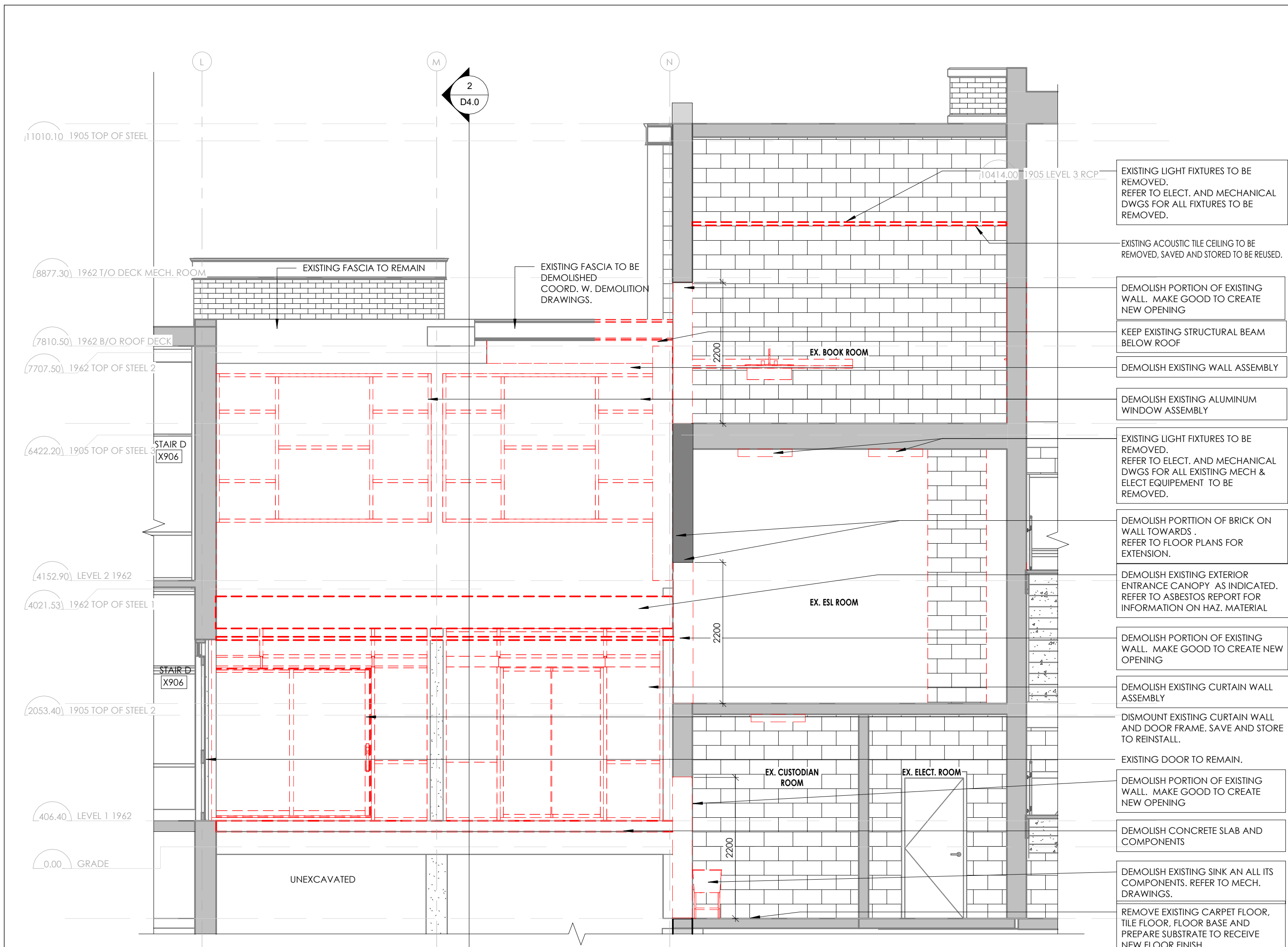
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- CONTRACTOR TO OBTAIN LOCATES FOR ALL UNDERGROUND & Q/H SERVICES ON BOTH EXT. & INT. OF PROPERTY / BOUNDARY / SCOPE OF WORK LINES PRIOR TO ANY DIGGING/ EXCAVATION/ WORK (COORD. W/ SITE SERVICE & EX. SITE SURVEY DWG.'S)
- CONTRACTOR TO INCLUDE REMOVAL & TERMINATION OF ANY EX. SERVICES CONNECTED TO THE EXISTING BUILDING/ LOCATED IN SCOPE OF WORK TO BE DEMOLISHED/ OR RELOCATED INCLUDING ANY NECESSARY PERMITS OR UTILITY FEES.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL & DISPOSAL OF ALL MATERIAL THAT ARE DEMOLISHED & THAT ARE NOT INDICATED FOR RE-USE/ RECLAIMING/ SLAVAGING OR AS OTHERWISE INDICATED BY THE OWNER. ALL COSTS ARE PART OF BASE BID SUBMISSION IN ACCORDANCE W/ BEST CONSTRUCTION PRACTICE, OBC, MUNICIPAL & PROVINCIAL LEGISLATURE REGARDING DEMOLITION & DISPOSAL METHODS (RECYCLE ALL MATERIAL WHERE ABLE) & ANY LEED REQUIREMENTS ALSO SPECIFIED UNDER THIS DOCUMENT.
- PERFORM ALL REQUIRED HAZARDOUS MATERIALS REMOVALS & ABATEMENT AS PART OF THIS WORK. REFER TO SPECIFICATIONS FOR: "2018 Asbestos Audit Update - King Edward Public School, 709 King Street West, Kitchener, Ontario", PREPARED BY MTE FILE NO. CS4532-917 DATED JUNE 5TH, 2018.
- IF ANY HAZARDOUS MATERIAL IS DISCOVERED IN BUILDING MATERIALS, MEDIATE THE EXISTING BUILDING MATERIALS AS REQUIRED UNDER CASH ALLOWANCE FOR UNKNOWN HAZARDOUS MATERIALS.
- ABATEMENT & DEMOLITION INCLUDES THE REMOVAL, PROPER DISPOSAL OFF SITE & RECYCLING WHERE AVAILABLE OF ALL ITEMS INDICATED
- BEFORE DEMOLITION / REMOVAL OF ANY EXISTING WALL SYSTEMS OR PARTIAL WALL SYSTEMS. CONSULT A STRUCTURAL ENGINEER WHEREVER A LOAD BEARING MEMBER / BEAM / LINTEL / POST(S) / COLUMN(S) ARE AFFECTED. SHOP DWG.'S ARE TO BE SUBMITTED BEFORE ANY WORK IS UNDERTAKEN.
- PROVIDE AN ENGINEERED METHODOLOGY REPORT FOR DEMOLITION WHEN REQUIRED BY THE MUNICIPALITY.
- "TOOTHING IN" MASONRY IS ONLY ACCEPTED WHERE EXISTING MASONRY WALL SYSTEM HAS BEEN DEMOLISHED OR WHERE A NEW OPENING HAS BEEN MADE. REMOVE ANY DAMAGED MASONRY WITH RECLAIMED MATERIAL TO MATCH EXISTING WHERE POSSIBLE. MAKE CLEAN TRANSITIONS TYP.
- MAKE GOOD ALL EXISTING SURFACES / SUBSTRATES / OPENINGS TO RECEIVE NEW FINISHES. INFILL AFTER ANY DEMOLITION OF MATERIALS & ENSURE THEY ARE CLEAN & FREE FROM OBSTRUCTIONS SO NEW WORK IS NOT ADVERSELY AFFECTED.
- PROTECT ALL SIGNIFICANT AREAS / ELEMENTS TO REMAIN DURING DEMOLITION TYP.
- PLUMBING, PIPING & DUCTWORK TO BE REMOVED SHALL BE TERMINATED AND CAPPED IN ACCORDANCE W/ ALL LOCAL & PROVINCIAL CODES WHICH GOVERN THIS WORK.
- ALL ELEC. WIRING TO BE REMOVED SHALL BE REMOVED BACK TO THE POINT OF ORIGIN. (IE. ELEC. BREAKER PANEL)
- ALL ABANDONED THROUGH-FLOOR PENETRATIONS ARE TO BE FILLED IN TO MATCH THICKNESS OF EXISTING TO REMAIN.
- CONTRACTOR TO PROVIDE REPAIRS TO EX. WALLS TO REMAIN WHERE ADJOINING WALLS ARE REMOVED OR NEW OPENINGS ARE INSTALLED.
- PROTECT ALL EX. BLDG. TO REMAIN COMPONENTS FROM DAMAGE. REPAIR ANY DAMAGE CAUSED BY THIS DEMOLITION WORK.
- CONTRACTOR TO HOARD OFF DEMO. AREA TO PREVENT ACCESS FROM ANYONE NOT ENGAGED IN THE WORK OF THIS DEMOLITION SCOPE.
- CONTRACTOR TO HOARD OFF ALL EXPOSED CORRIDORS AND CORRIDOR OPENINGS INTO THE REMAINING AREAS OF THE EXISTING BUILDING. HOARDING TO PROVIDE WEATHER-TIGHT CLOSURE TO PREVENT RAIN, SNOW OR ANY OTHER SOURCE OF MOISTURE INTO THE EXISTING BUILDING. CONTRACTOR TO REPLACE AND/OR REPAIR ANY DAMAGE CAUSED BY INSUFFICIENT PROTECTION.
- CONTRACTOR TO PROTECT ALL EXPOSED PORTIONS OF THE EXISTING BUILDING WHICH WERE NOT PREVIOUSLY EXPOSED TO WEATHER FROM WEATHER AND MOISTURE. CONTRACTOR TO REPLACE AND/OR REPAIR ANY DAMAGE CAUSED BY INSUFFICIENT PROTECTION.
- REFER TO MECHANICAL, ELECTRICAL AND STRUCTURAL DEMOLITION DRAWINGS FOR FULL SCOPE OF DEMOLITION PERTAINING THOSE DISCIPLINES.

**2 DEMOLITION SECTION 2**  
 D4.0 (1 : 50)



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- DEMOLISHED EXISTING CEILING
- REMOVE EX. DOOR INCLUDING BUT NOT LIMITED TO FRAME, SILL, MOLDINGS, HARDWARE, FLASHINGS, CAULKING & SIGNAGE - CAP ALL ELEC. ENLARGE THE OPENING WHERE REQ'D TO ACCOMMODATE NEW OPENING SIZE. COORD. W/ OPENING SCH'S. INDIVIDUAL HARDWARE TO REMAIN W/ REMOVED DOOR TYP.
- DEMOLISH EXISTING PLUMBING FIXTURES AND ACCESSORIES. DEMOLISH EXISTING MILLWORK. PATCH AND REPAIR WALL AND FLOOR TO REMAIN.
- DEMOLISHED EXISTING INTERIOR PARTITION WALL AND ALL ITS COMPONENTS. PATCH AND REPAIR WALLS TO REMAIN.
- REMOVE EX. DOOR INCLUDING BUT NOT LIMITED TO FRAME, SILL, MOLDINGS, HARDWARE, FLASHINGS, CAULKING & SIGNAGE - CAP ALL ELEC. ENLARGE THE OPENING WHERE REQ'D TO ACCOMMODATE NEW OPENING SIZE. COORD. W/ OPENING SCH'S. INDIVIDUAL HARDWARE TO REMAIN W/ REMOVED DOOR TYP.

1 DEMOLITION SECTION 1 (1 : 50)

3 DEMOLITION SECTION 3 (1 : 50)

**DEMOLITION LEGEND**

- EXISTING BUILDING TO REMAIN
- EXISTING WALLS & DOORS TO BE DEMOLISHED & REMOVED. DEMOLITION TYPICALLY IS FROM FINISHED FLOOR TO U/S FLOOR OR ROOF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
- EXISTING FLOOR, ROOF, CANOPY OR CEILING SURFACES TO BE DEMOLISHED, REPAIRED OR PREPPED AS NOTED. COORDINATE FULL EXTENT WITH ALL OTHER DISCIPLINES.

**WALL NOTES:**  
 REMOVE PORTION OF EX. INDICATED WALL(S) (COMPLETE COMPOSITION) FOR NEW SERVICE OPENING(S) (COORD. W/ MECH. AND ELEC. DESIGNS).  
 REMOVE EX. WOOD TRANSOM FROM EX. DOOR FRAME.  
 IMPLEMENTATION OF NEW ELEC. IN/THRU EX. WALL SYSTEM AS REQ'D.  
 COORDINATE IN SITE ALL DIMENSIONS AND LOCATIONS OF DOORS TO BE REMOVED.

**NOTE:**  
 COORD. W/ ALL CONSULTANT DWG.'S FOR IMPLEMENTATION OF NEW OPENINGS / PENETRATIONS THROUGH EX. WALL SYSTEMS THAT REQ. DEMO.  
 WORK - NO ADDITIONAL COSTS WILL BE ALLOWED FOR UN-COORD. DEMO WORK THAT IS SHOWN AS NEW IN CONST. DOCUMENTS THAT THE CONTRACTOR KNOWS NEW OPENINGS ARE REQ'D TO FINISH THE WORK (COORD. W/ STRUCT. FOR ANY ADDITIONAL LINTELS / WALL SUPPORTS REQ'D).

**GENERAL DEMOLITION NOTES**

- CONTRACTOR TO VERIFY ALL CONDITIONS ON SITE TO DETERMINE COMPLETE SCOPE OF WORK. (COORD. W/ EX. SITE SURVEY & ALL OTHER DWG.'S)
- CONTRACTOR TO SECURE THE WORK SITE DURING DEMO. & CONST. & HOARD OFF THE WORK AREA TO PREVENT ACCESS ANYONE NOT ENGAGED IN THE WORK OF THE DEMOLITION/CONST. SCOPE.
- CONTRACTOR TO PROTECT ALL EXPOSED PORTIONS OF THE EX. BLDG. TO REMAIN/REPLACE & TO REPAIR ANY DAMAGE CAUSED BY INSUFFICIENT PROTECTION. MAKE GOOD ALL DISTURBED SURFACES & ADJACENT SYSTEMS THAT ARE DAMAGED AND THAT ARE TO REMAIN. PROVIDE CLEAN TRANSITIONS TYPICAL.
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- CONTRACTOR TO INCLUDE REMOVAL & TERMINATION OF ANY EX. SERVICES CONNECTED TO THE EXISTING BUILDING/ LOCATED IN SCOPE OF WORK TO BE DEMOLISHED/ OR RELOCATED INCLUDING ANY NECESSARY PERMITS OR UTILITY FEES.
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Revision Schedule		
Particular	Date	No.
ISSUED FOR COORDINATION	03/06/2023	1
ISSUED FOR 98% SET	11/29/2022	2

ALL DIMENSIONS MARKED TO AND FROM EXISTING BUILDING ELEMENTS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE BEFORE CONSTRUCTION STARTS.

ALL EXISTING WALL DIMENSIONS ARE APPROXIMATE AND IS THE RESPONSIBILITY OF THE CONTRACTOR TO SITE VERIFY BEFORE CONSTRUCTION OR DEMOLITION.

MEASURE AND CONFIRM NEW DOORS, WINDOWS, CURTAIN WALLS AND SCREENS OPENINGS REQUIRED FOR THIS RENOVATION BEFORE ORDERING AND ASSEMBLING.



**CLIENT**  
 WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

**+VGG ARCHITECTS**  
 THE VENTIN GROUP LTD



DEMOLITION SECTION

D4.1

All dimensions and measurements must be checked and verified by the General Contractor without written permission of the Ventin Group.

Revision Schedule		
Particular	Date	No.
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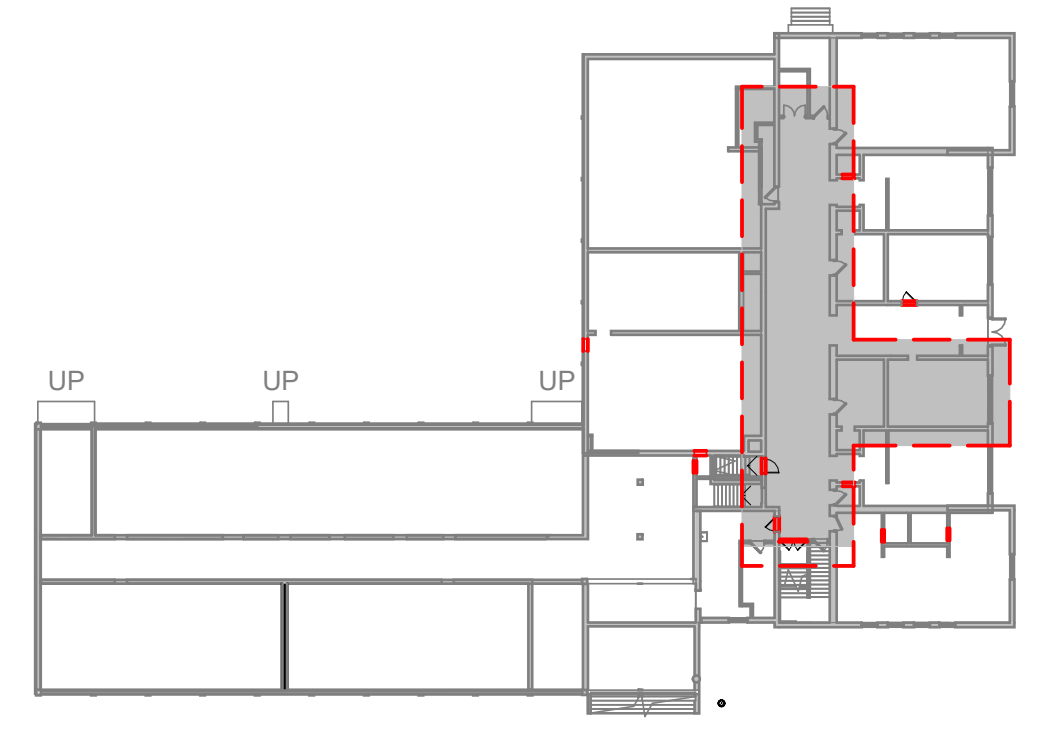


**V+G ARCHITECTS**  
 THE VENTIN GROUP LTD

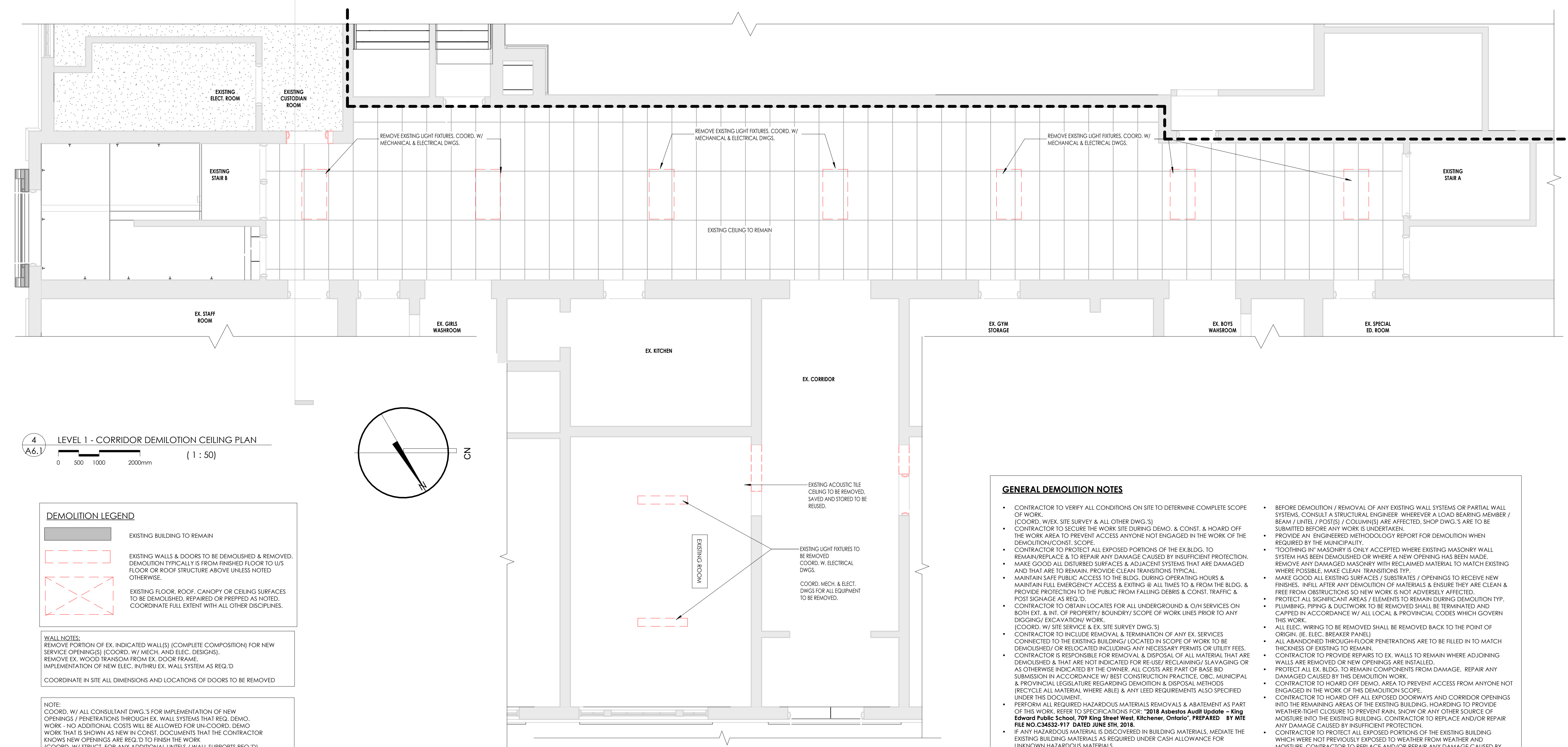
**DEMOLITION REFLECTED CEILING PLAN**

D6.1

Drawn by: AM/LI Checked by: Check@cale: As indicated



1 KEY PLAN (1 : 500)



4 LEVEL 1 - CORRIDOR DEMOLITION CEILING PLAN (1 : 50)

**DEMOLITION LEGEND**

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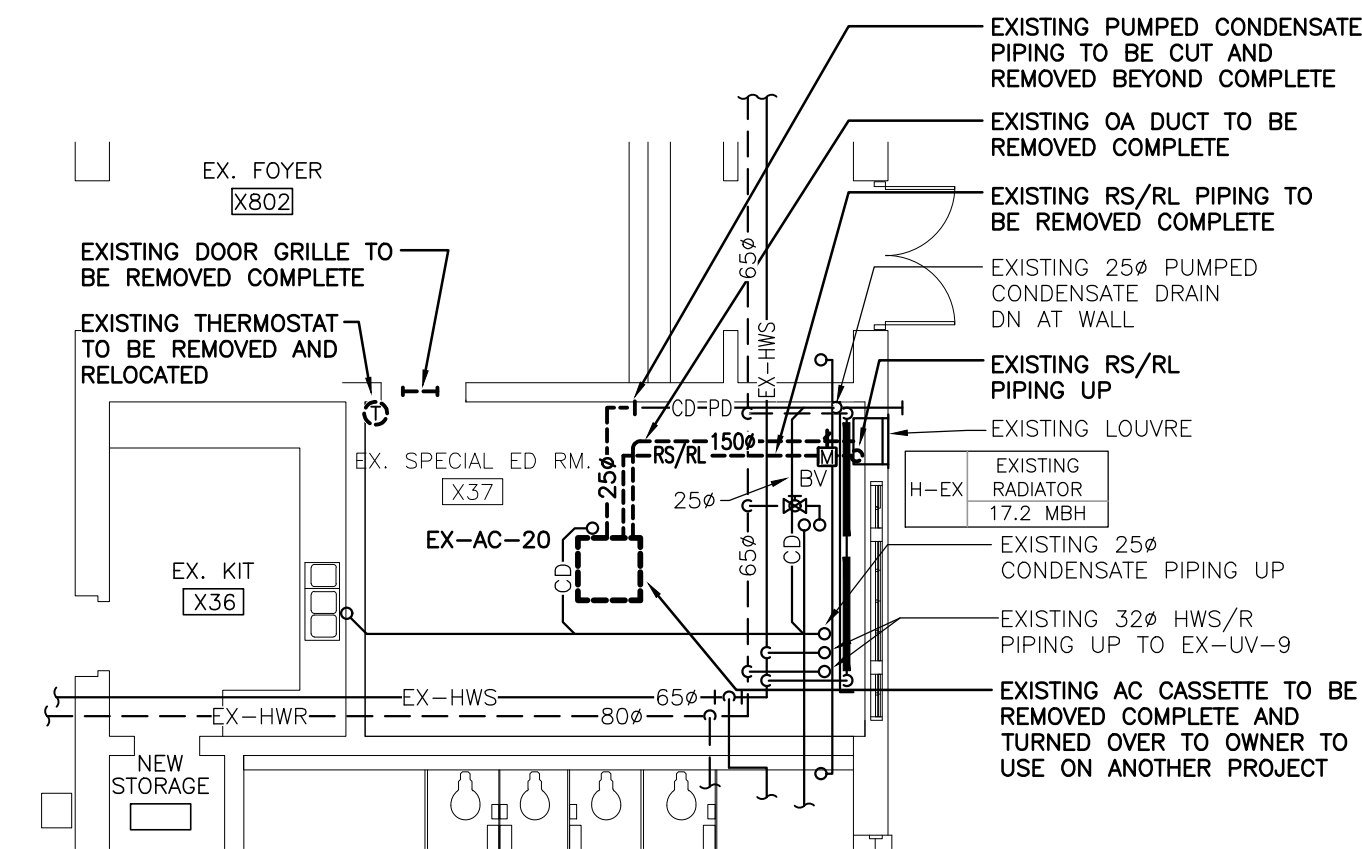
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 COORDINATE IN SITE ALL DIMENSIONS AND LOCATIONS OF DOORS TO BE REMOVED

**NOTE:**  
 COORD. W/ ALL CONSULTANT DWG.'S FOR IMPLEMENTATION OF NEW OPENINGS / PENETRATIONS THROUGH EX. WALL SYSTEMS THAT REQ. DEMO. WORK - NO ADDITIONAL COSTS WILL BE ALLOWED FOR UN-COORD. DEMO. WORK THAT IS SHOWN AS NEW IN CONST. DOCUMENTS THAT THE CONTRACTOR KNOWS NEW OPENINGS ARE REQ. D TO FINISH THE WORK (COORD. W/ STRUCT. FOR ANY ADDITIONAL LINTELS / WALL SUPPORTS REQ. D)

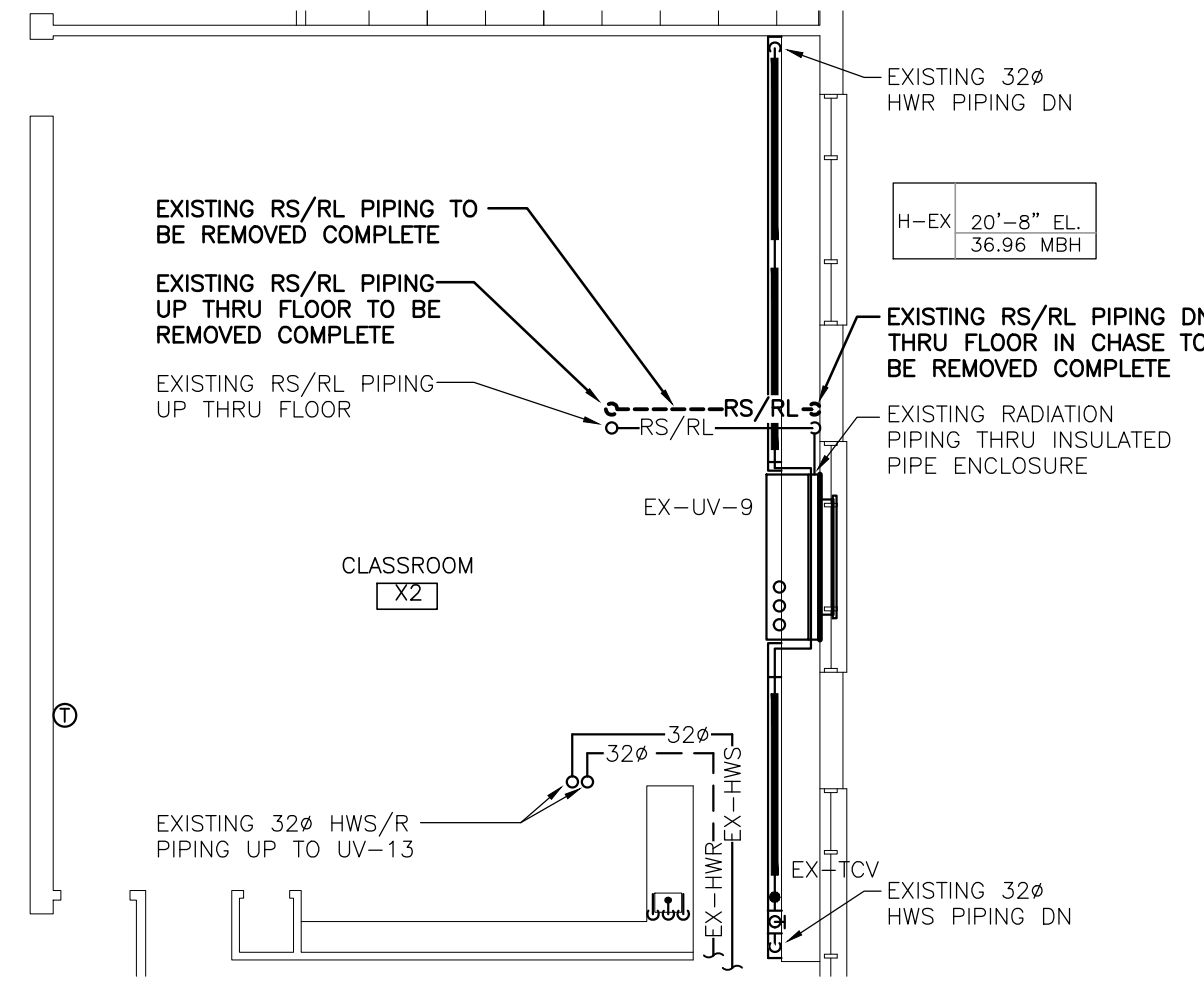
- GENERAL DEMOLITION NOTES**
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  - CONTRACTOR TO SECURE THE WORK SITE DURING DEMO. & CONST. & HOARD OFF THE WORK AREA TO PREVENT ACCESS ANYONE NOT ENGAGED IN THE WORK OF THE DEMOLITION/CONST. SCOPE.
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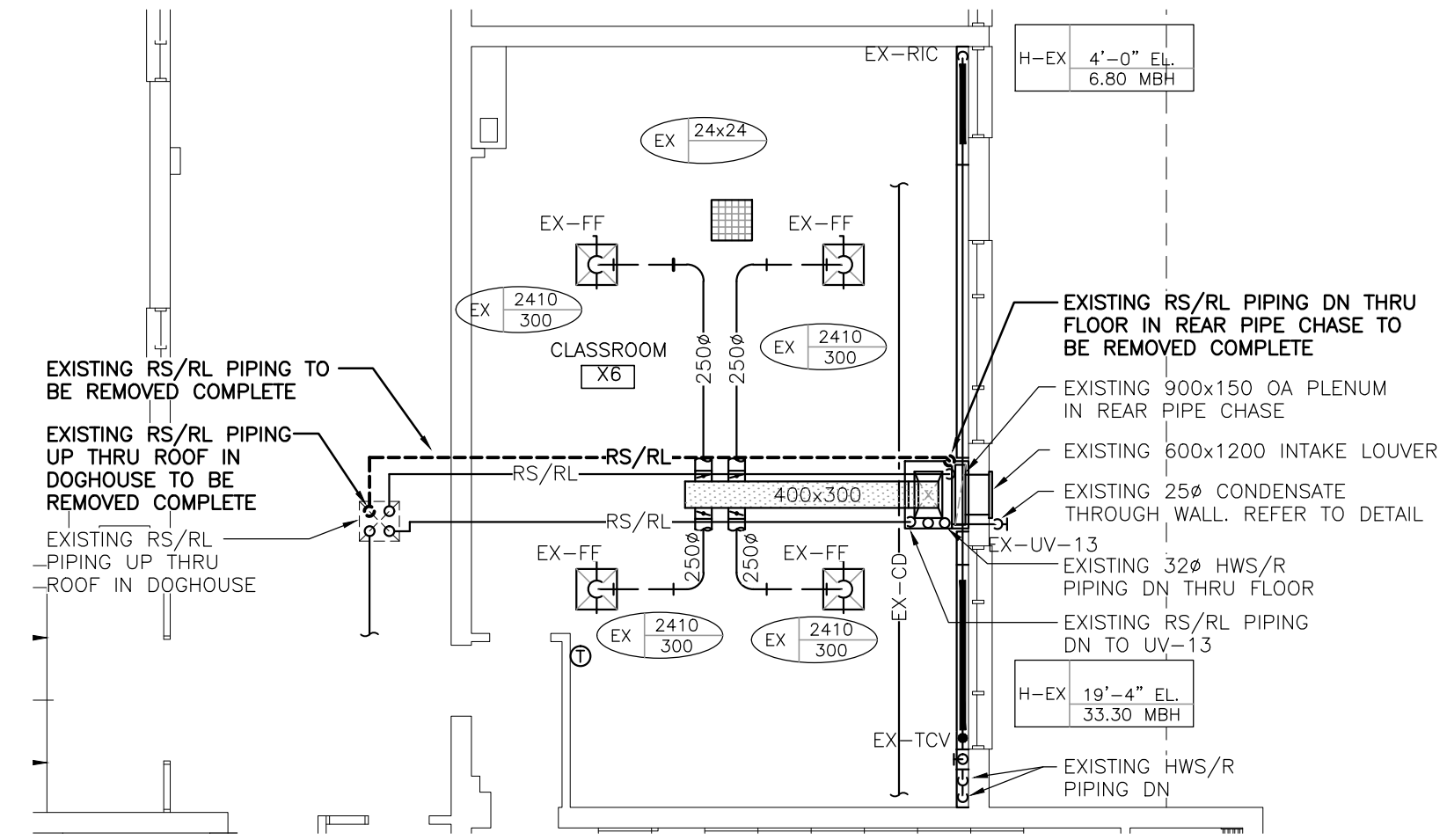




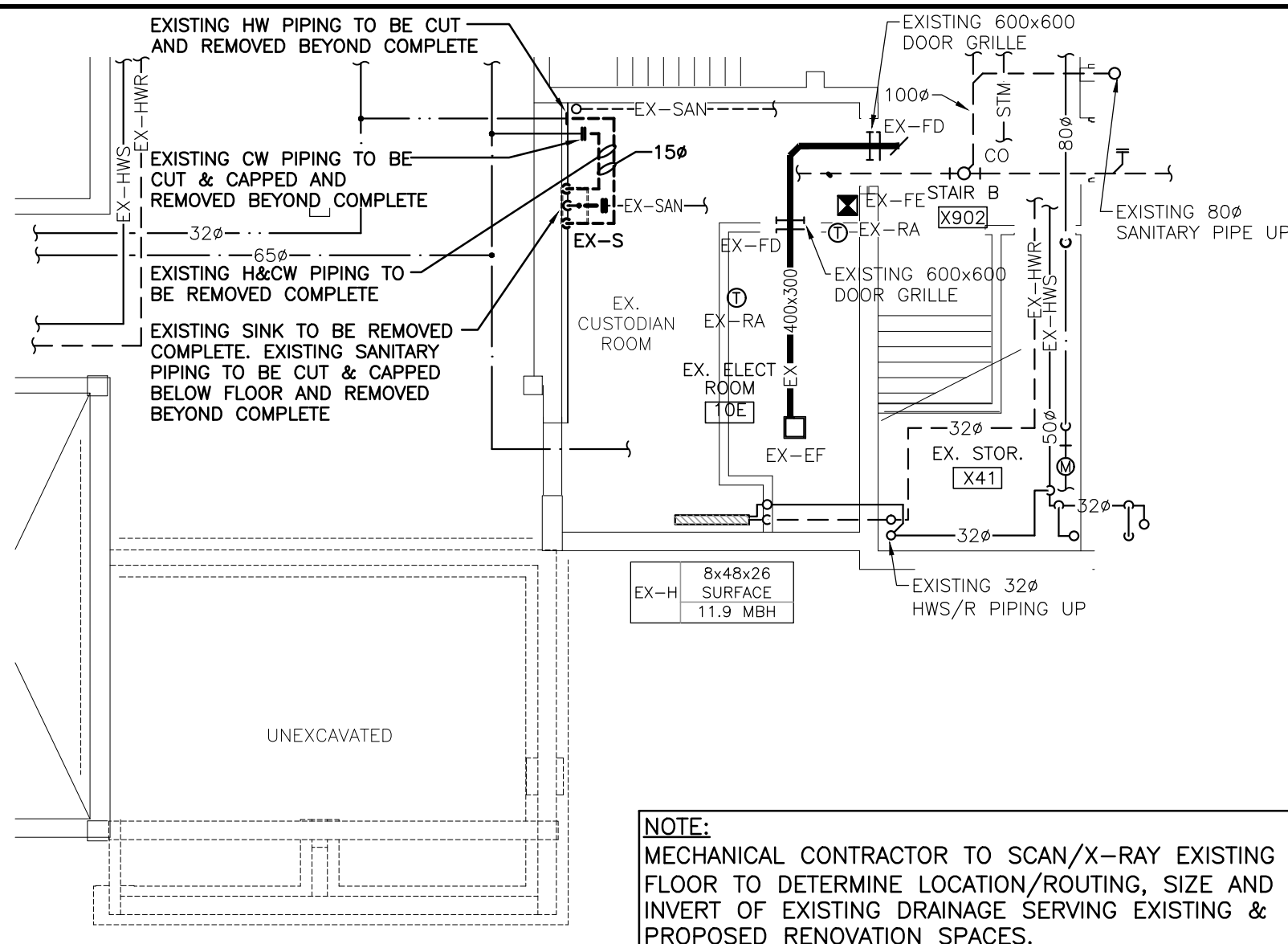
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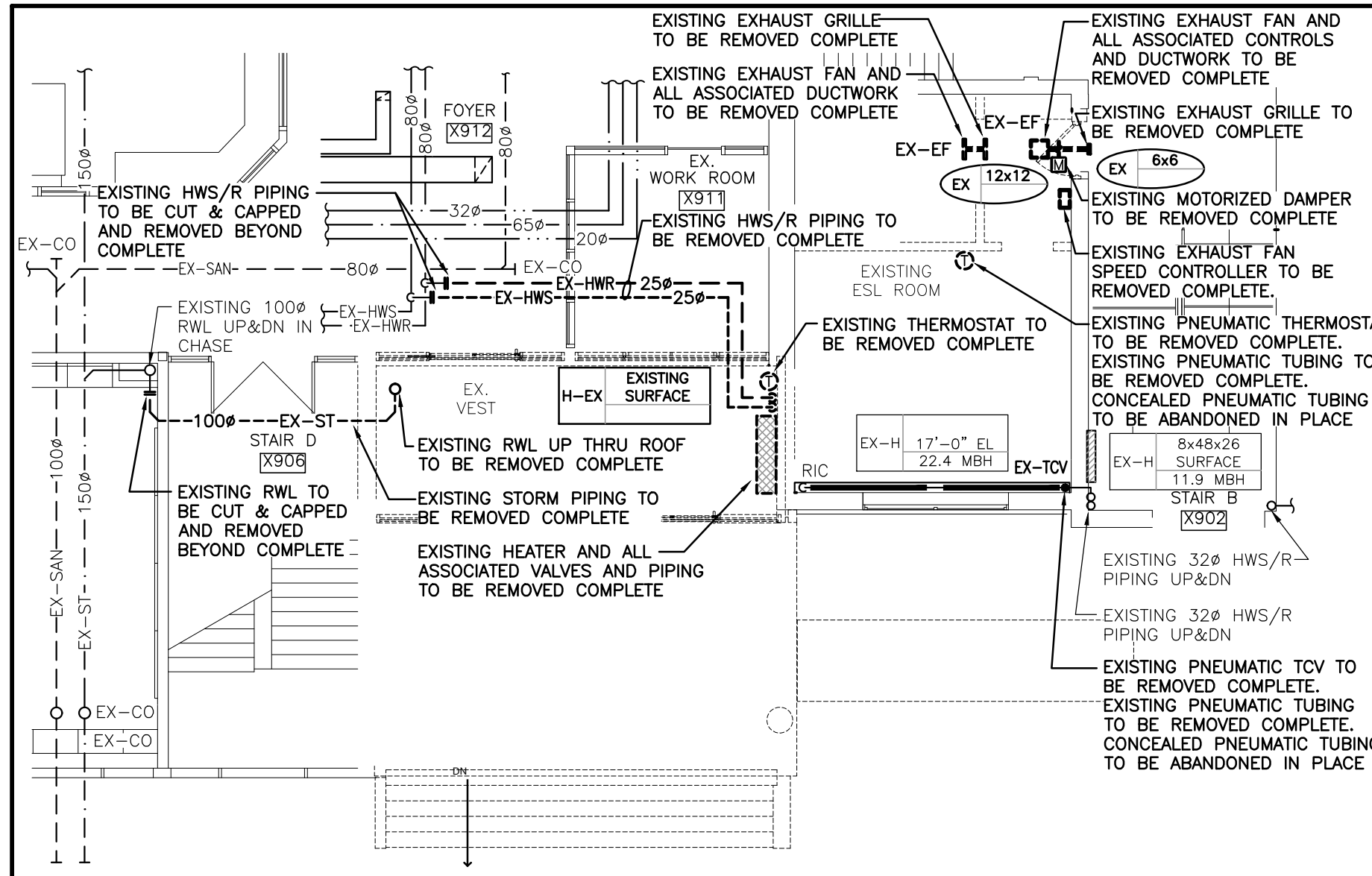
1906 LEVEL 2 FLOOR PLAN 'B' - DEMOLITION  
SCALE: 1:100



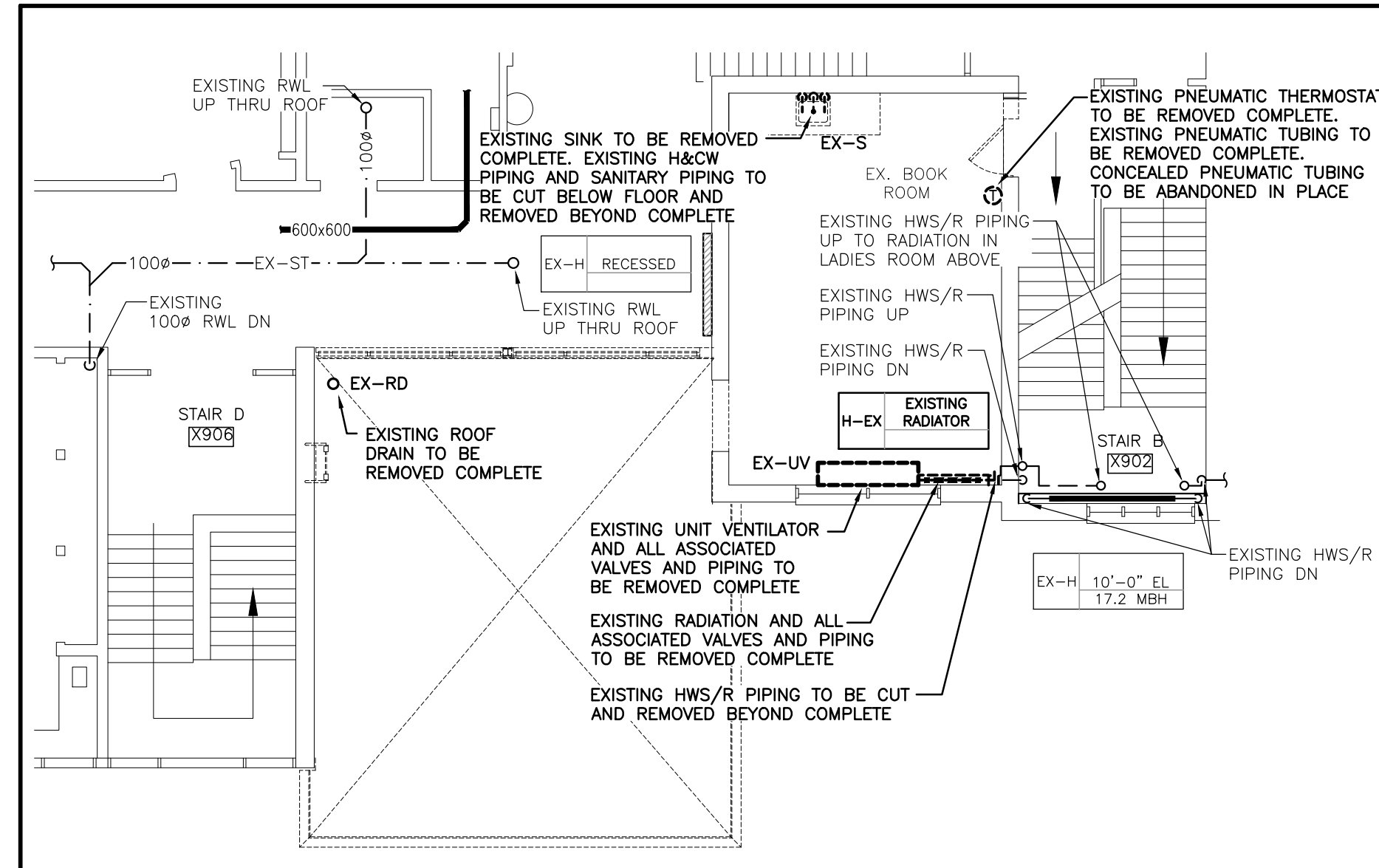
1906 LEVEL 3 FLOOR PLAN 'B' - DEMOLITION  
SCALE: 1:100



1906 LEVEL 1 FLOOR PLAN 'A' - DEMOLITION  
SCALE: 1:100



1962 LEVEL 1 & 1906 LEVEL 2 FLOOR PLAN 'A' - DEMOLITION  
SCALE: 1:100



1962 LEVEL 2 & 1906 LEVEL 3 FLOOR PLAN 'A' - DEMOLITION  
SCALE: 1:100

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/08/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

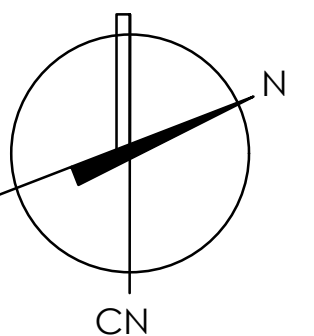
NOTES:  
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.  
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.  
The drawings do not indicate all offsets, fittings and accessories which may be required. Provide the same to meet the required conditions.  
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.  
Do not scale the drawing.  
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CLIENT  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

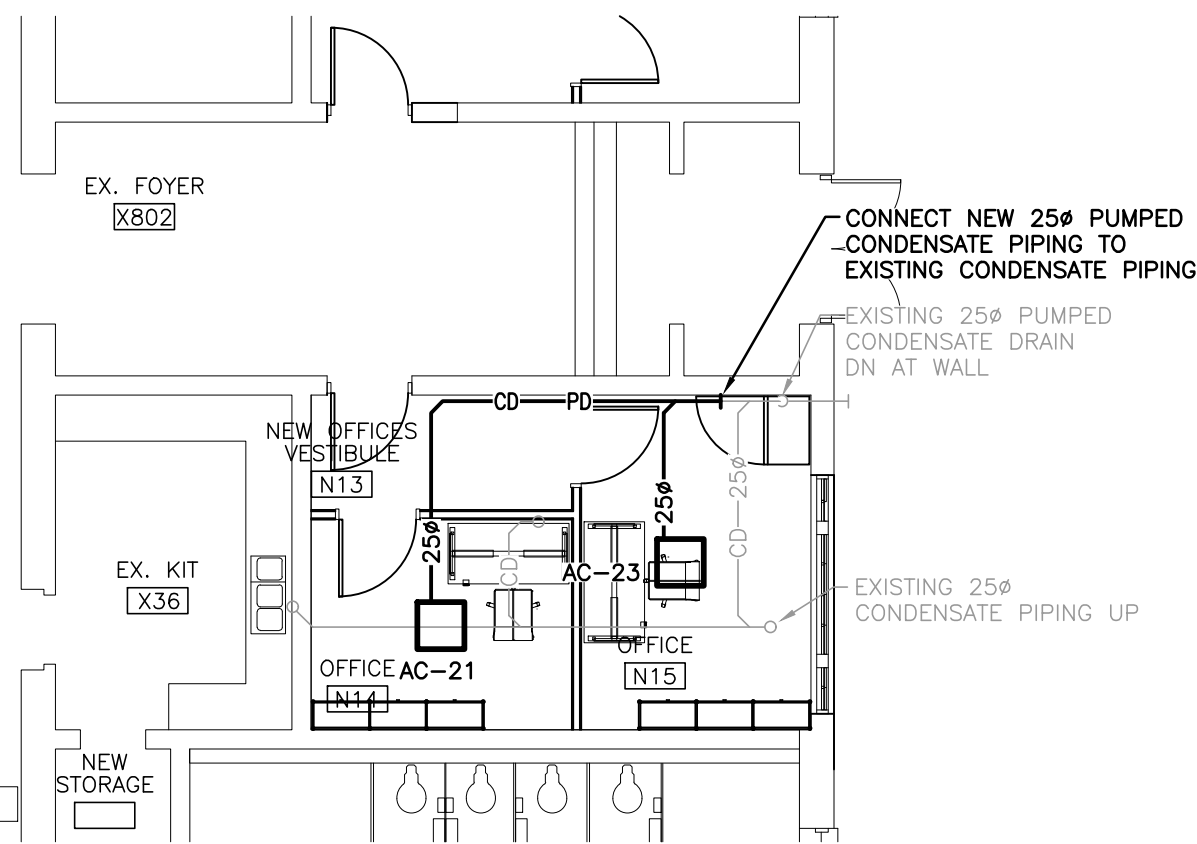
PROJECT:  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

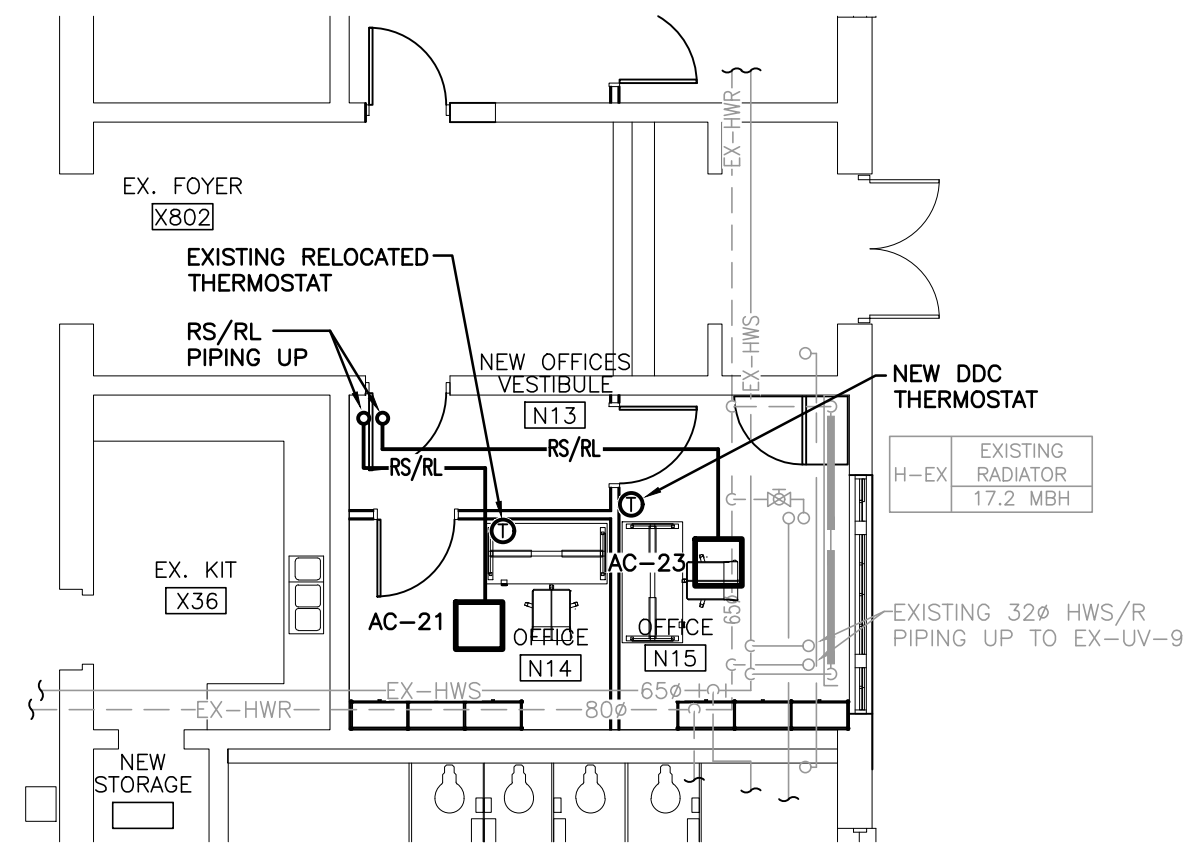


M1.2

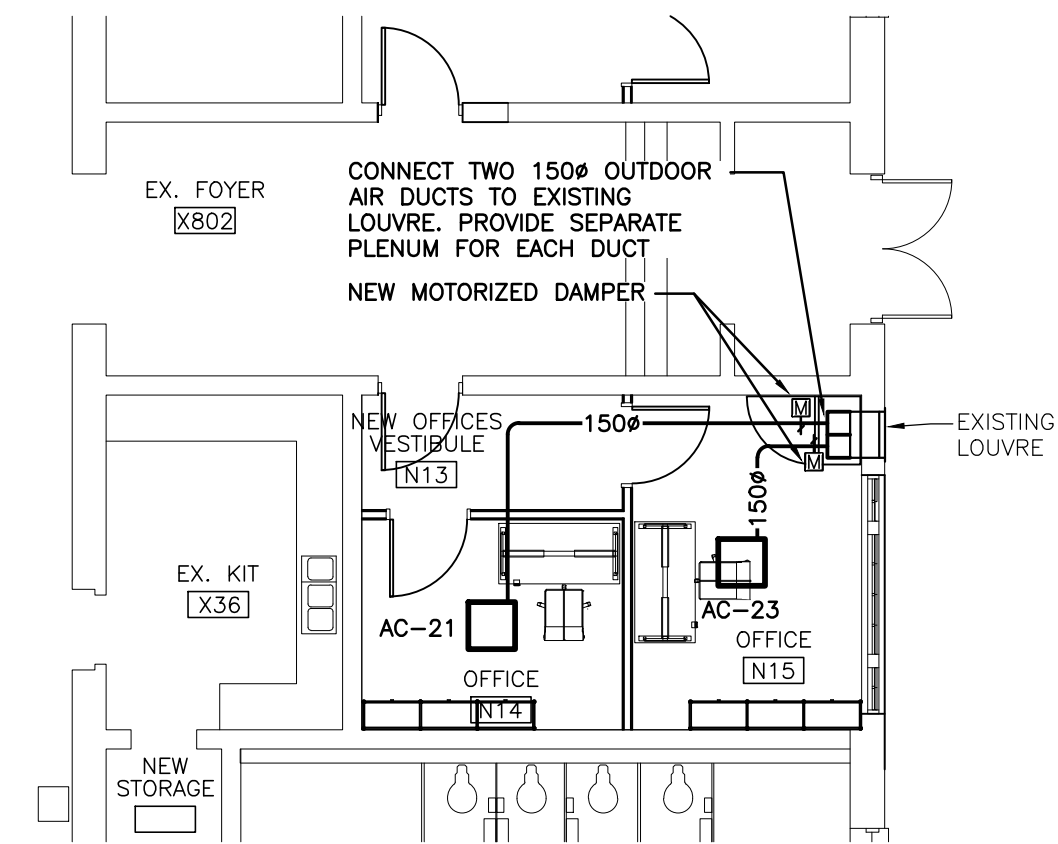
PARTIAL DEMOLITION PLANS  
All dimensions and floor levels must be checked and verified by the General Contractor.



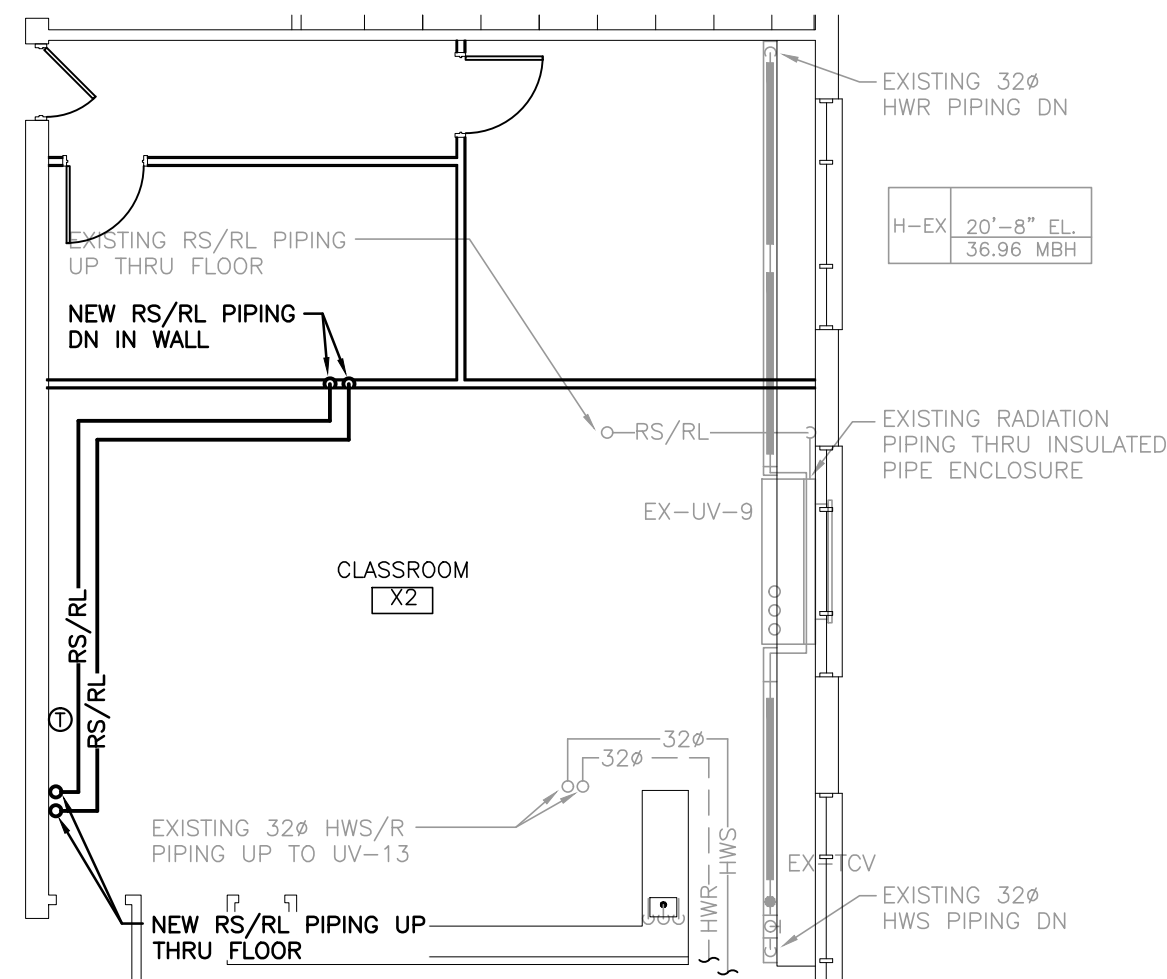
1906 LEVEL 1 FLOOR PLAN 'B' - DRAINAGE  
SCALE: 1:100



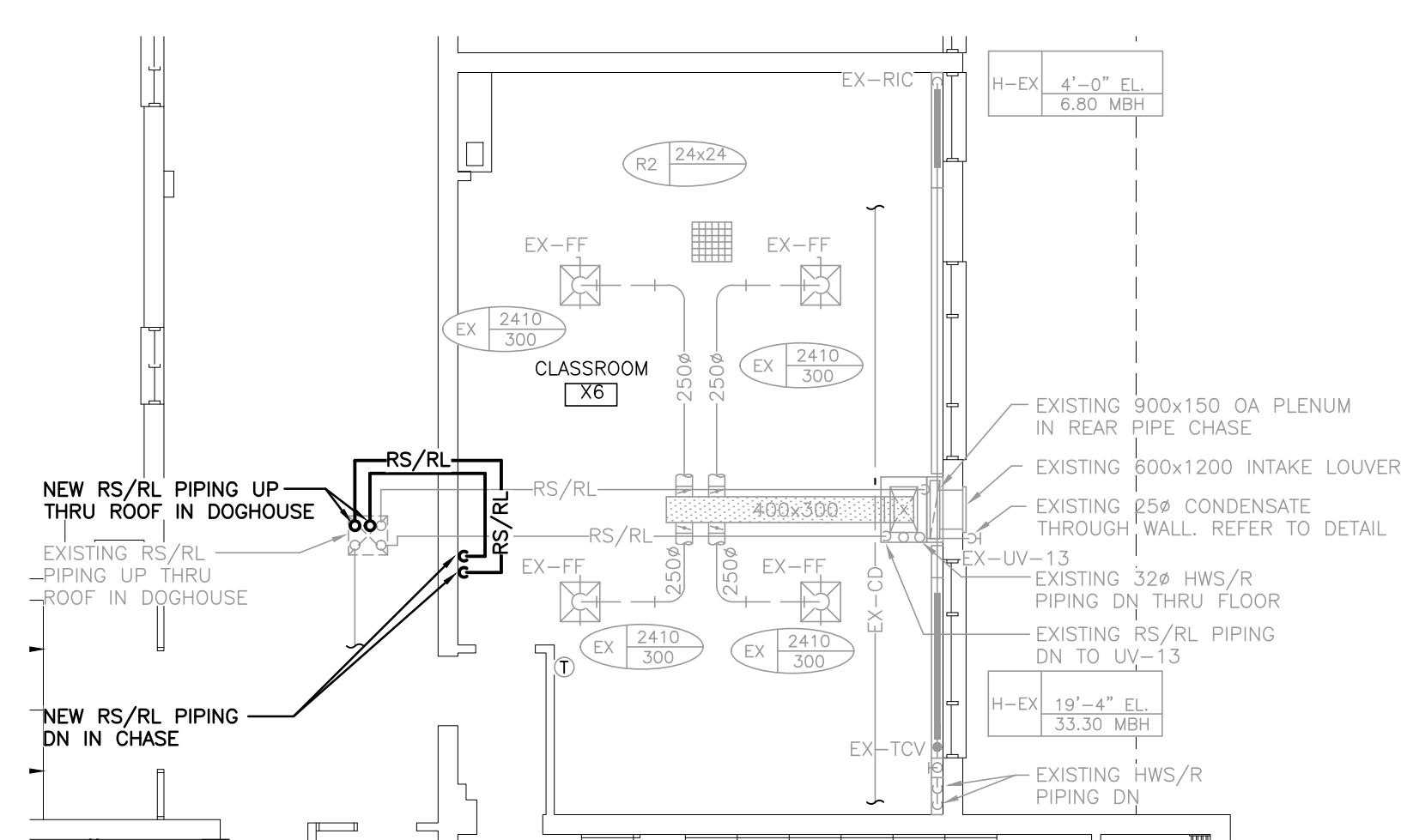
1906 LEVEL 1 FLOOR PLAN 'B' - PIPING  
SCALE: 1:100



1906 LEVEL 1 FLOOR PLAN 'B' - VENTILATION  
SCALE: 1:100



1906 LEVEL 2 FLOOR PLAN 'B' - PIPING  
SCALE: 1:100



1906 LEVEL 3 FLOOR PLAN 'B' - PIPING  
SCALE: 1:100

**GENERAL RENOVATION NOTES**

- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'-0" IN EACH DIRECTION.
- CO-ORDINATE ANY OWS/ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/06/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

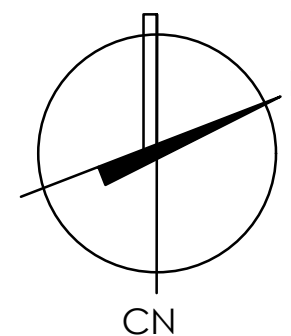
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**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

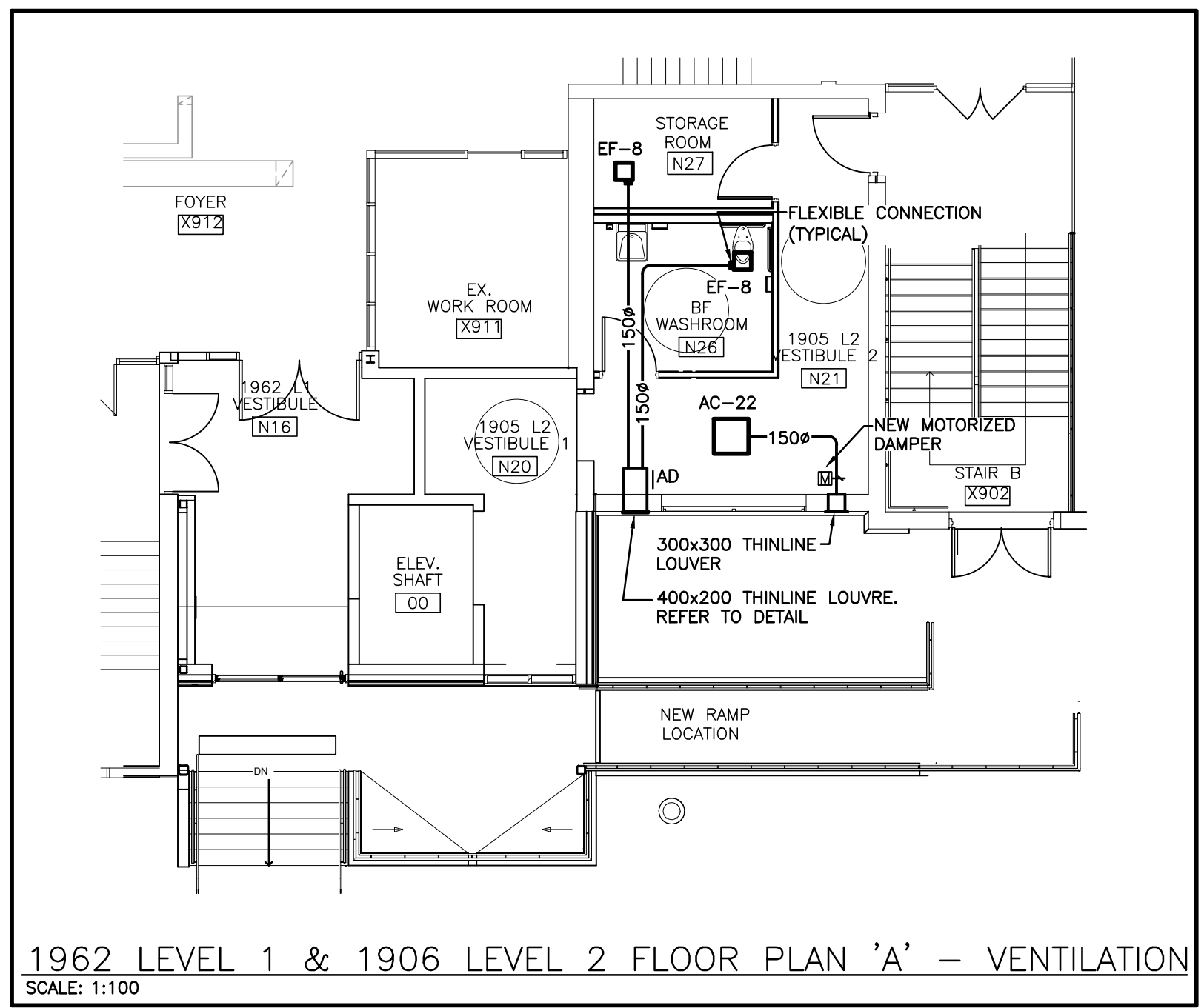
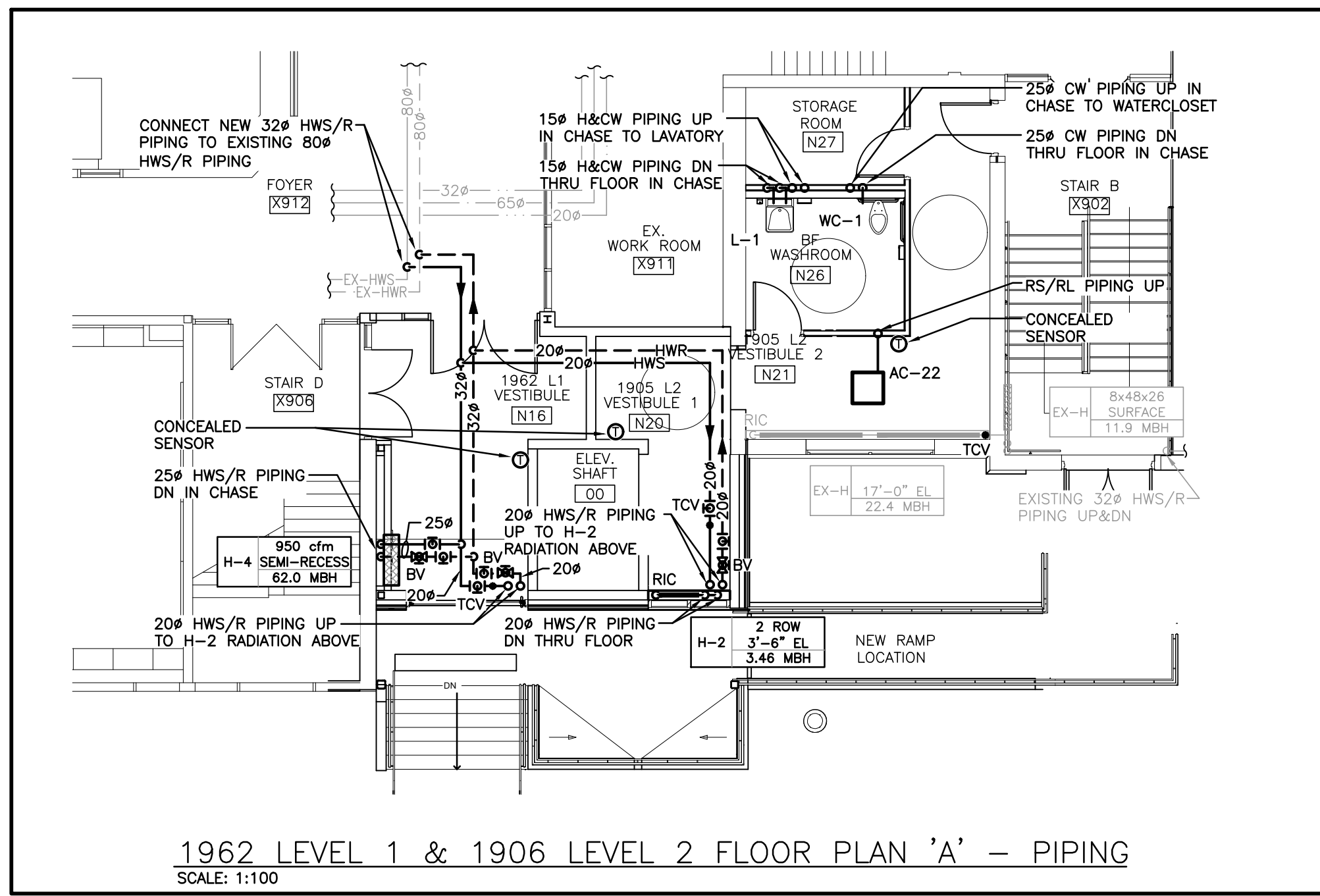
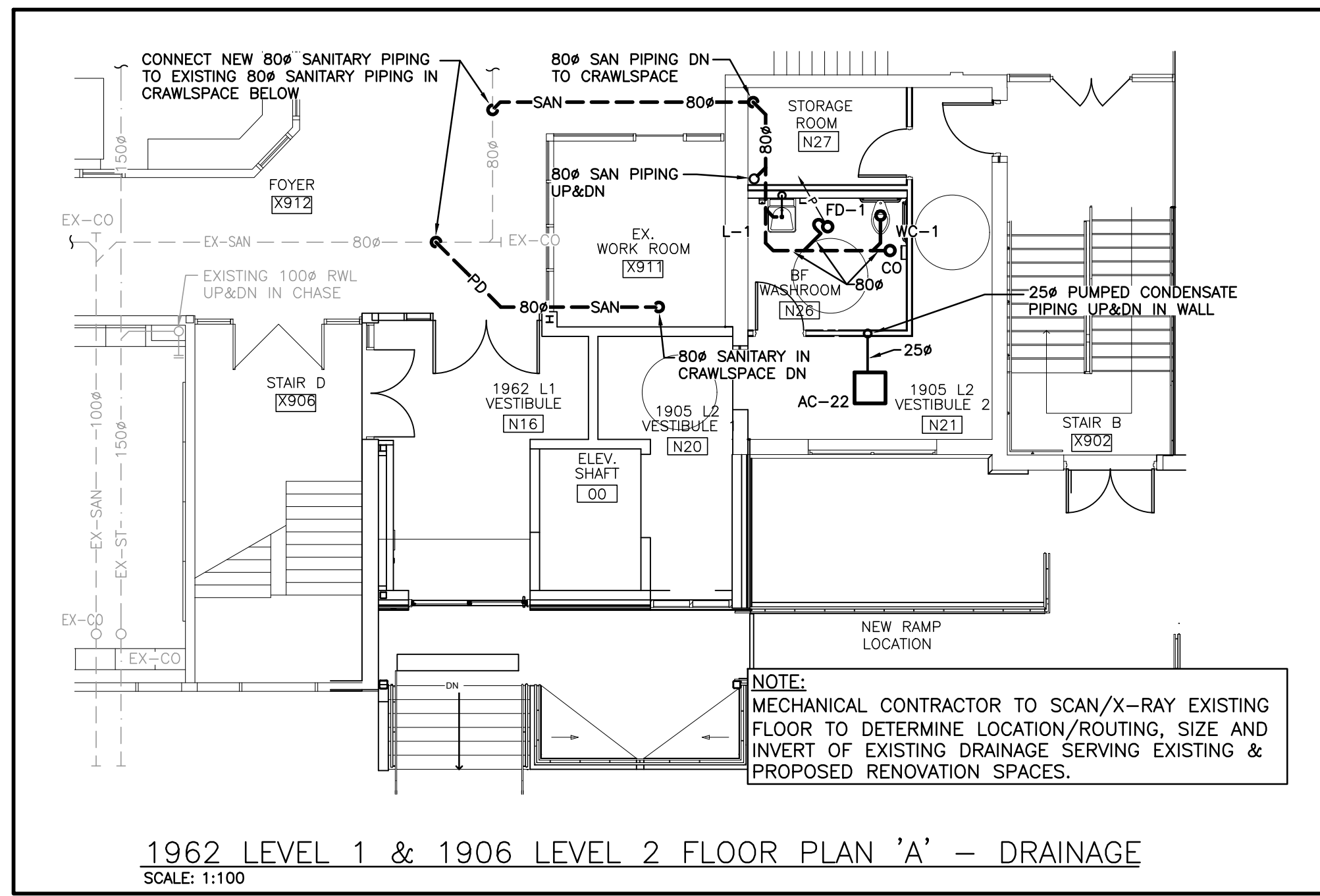
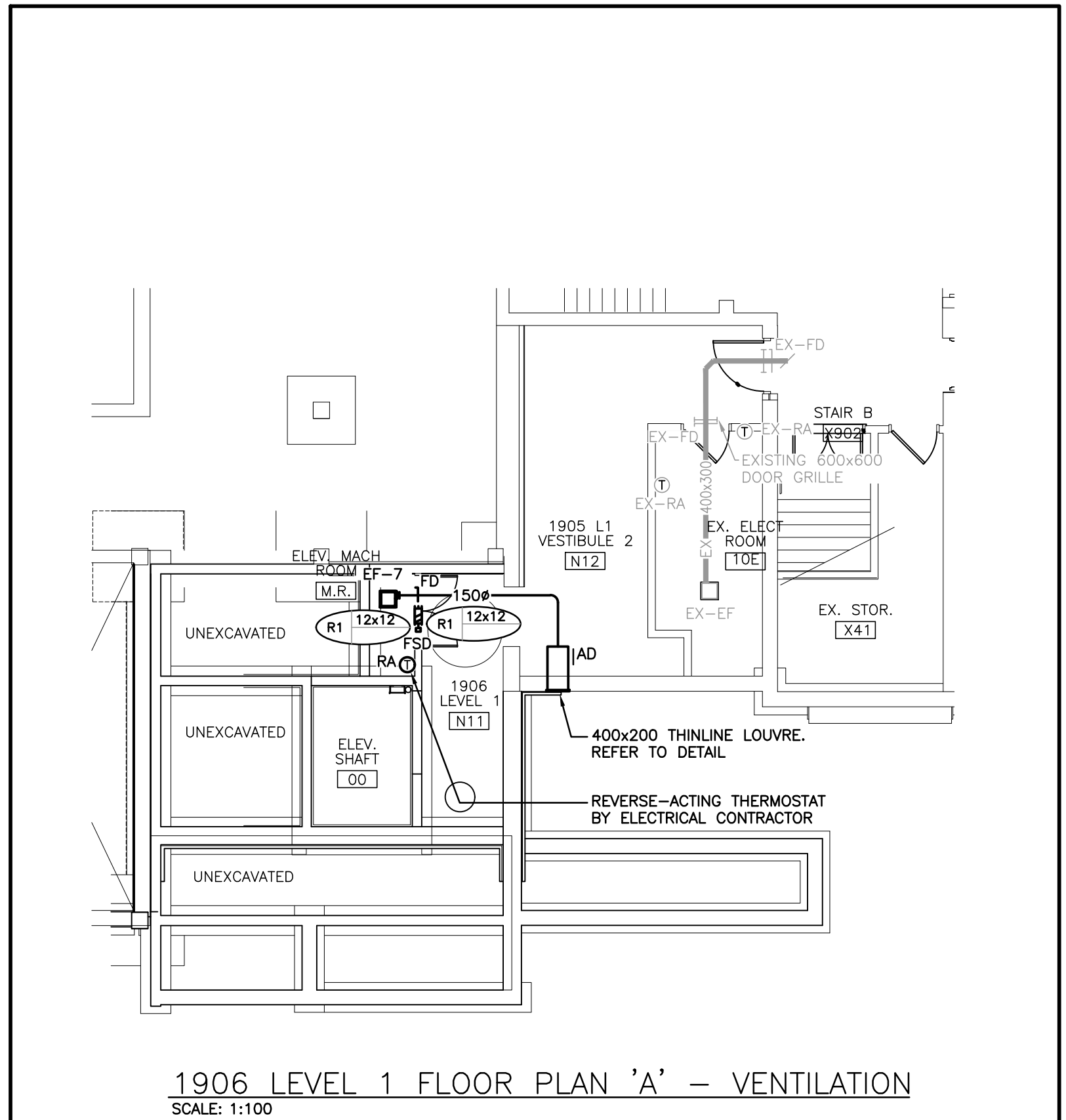
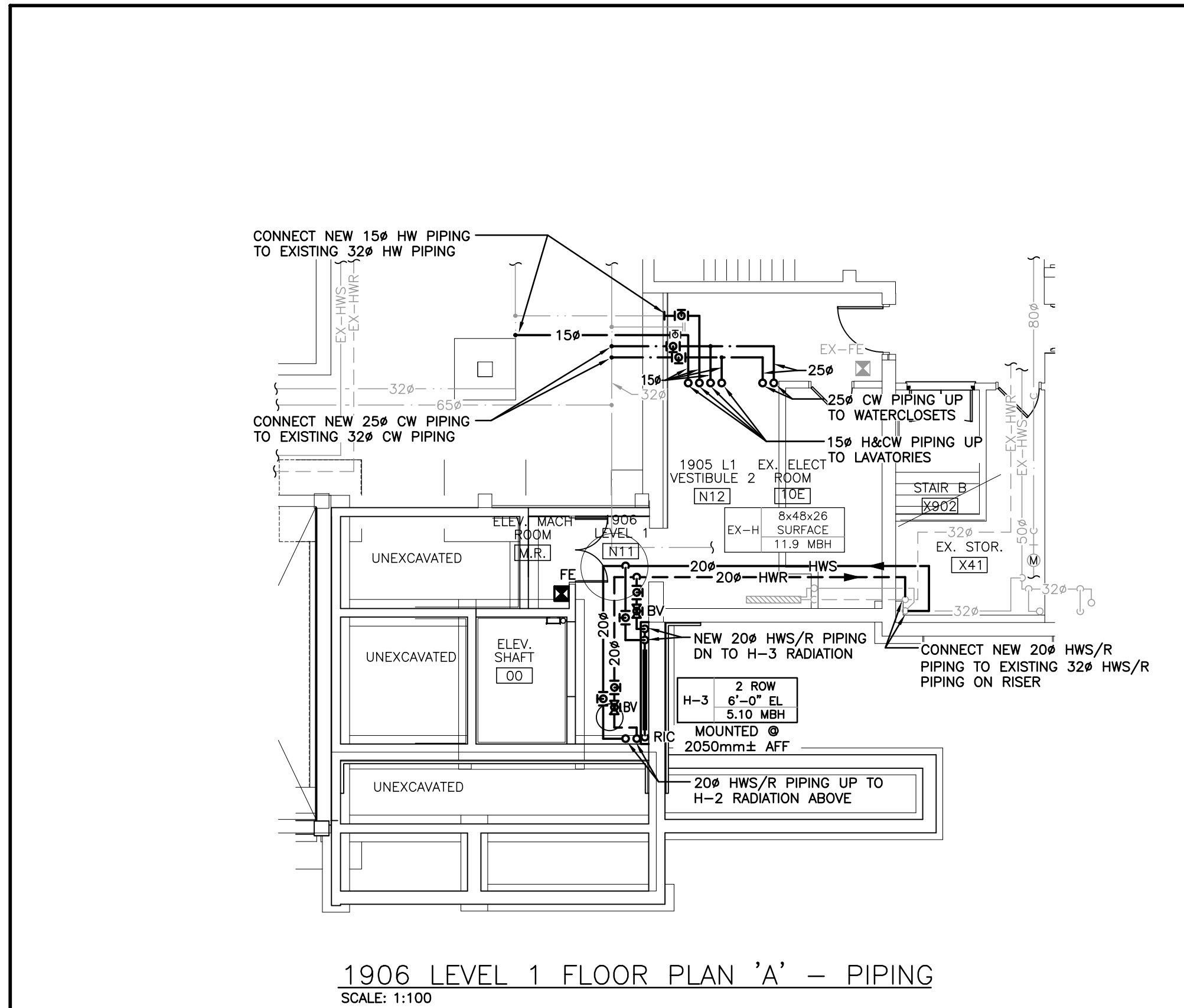
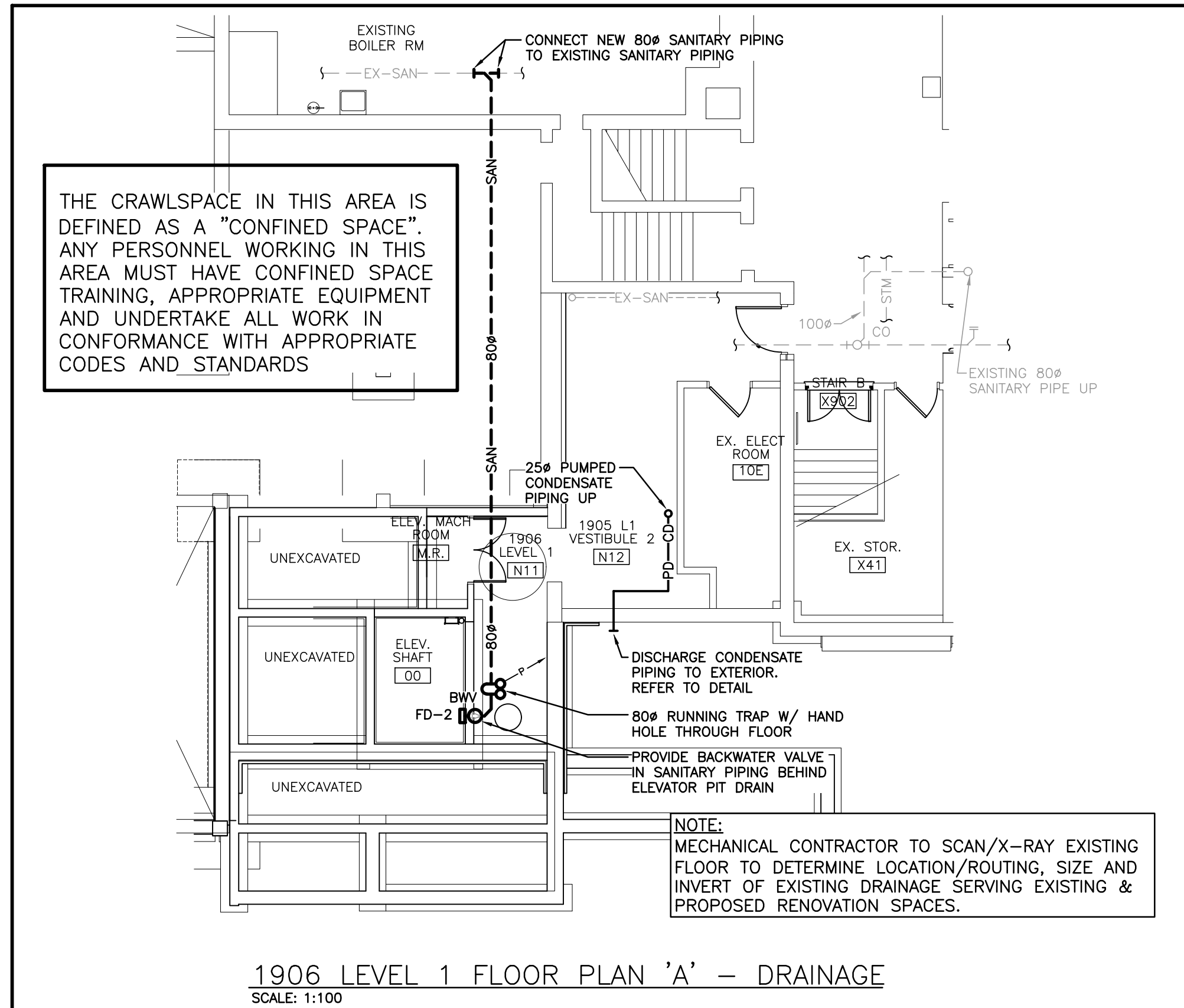
**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



M1.3





**GENERAL RENOVATION NOTES**

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- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

**REVISIONS**

NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/06/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

**NOTES:**

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**DEI Consulting Engineers**

MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,  
Waterloo, ON, N2V 1Y8  
Phone: 519-749-3555  
Website: deiassociates.ca  
Project Number: 22064

**CLIENT**

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**

22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

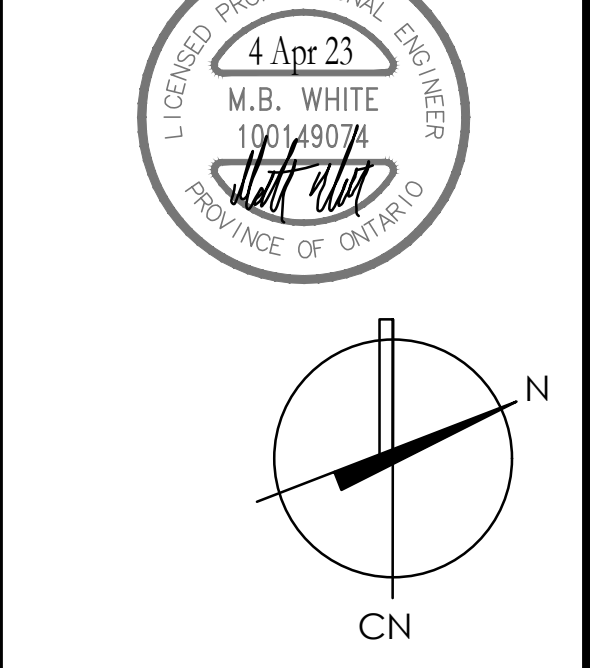
ORIGINAL PAGE SIZE ARCH D - 24" X 36"

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4 Apr 23  
M.B. WHITE  
10019074  
PROFESSIONAL ENGINEER  
PROVINCE OF ONTARIO

NEW RAMP LOCATION

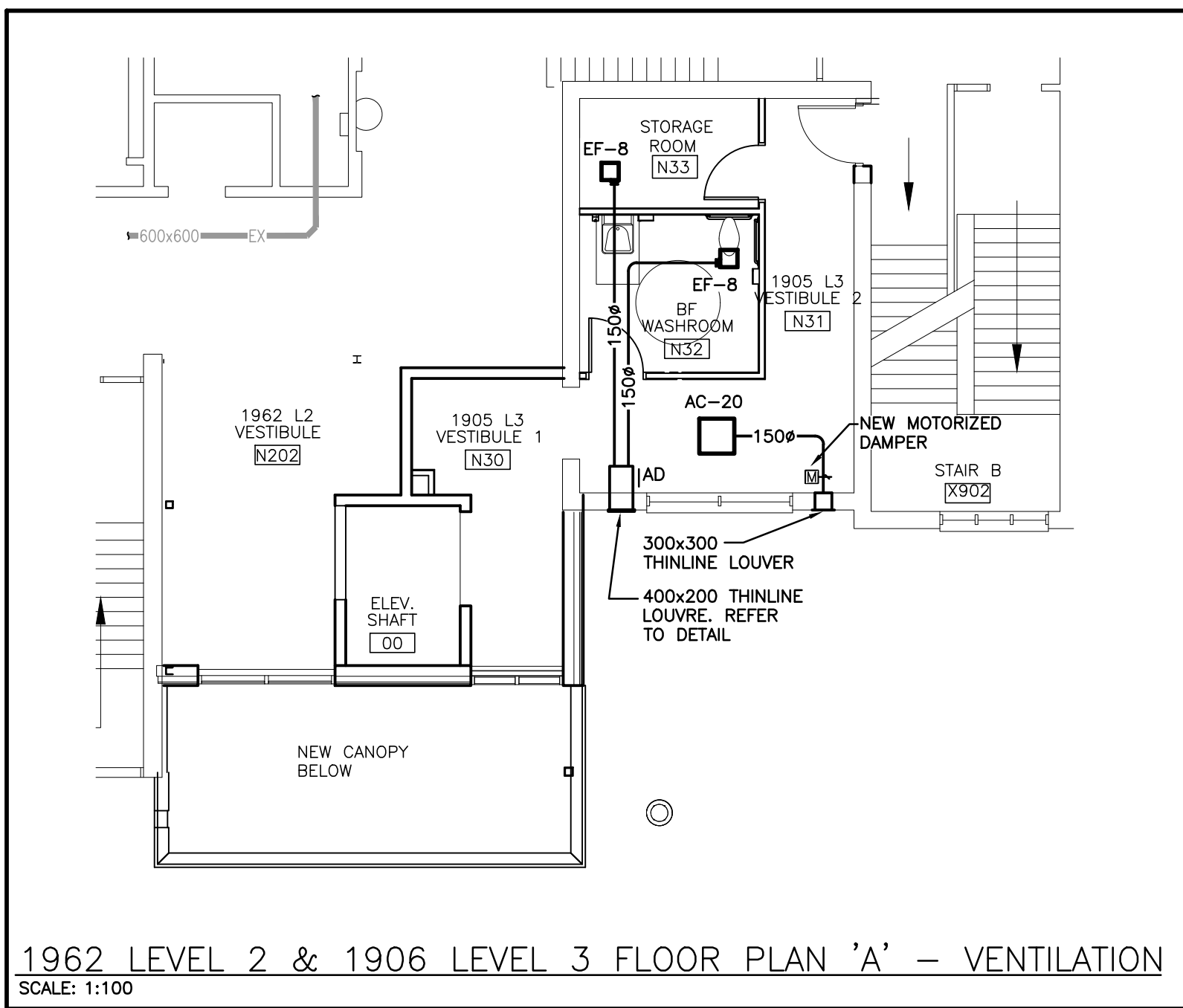
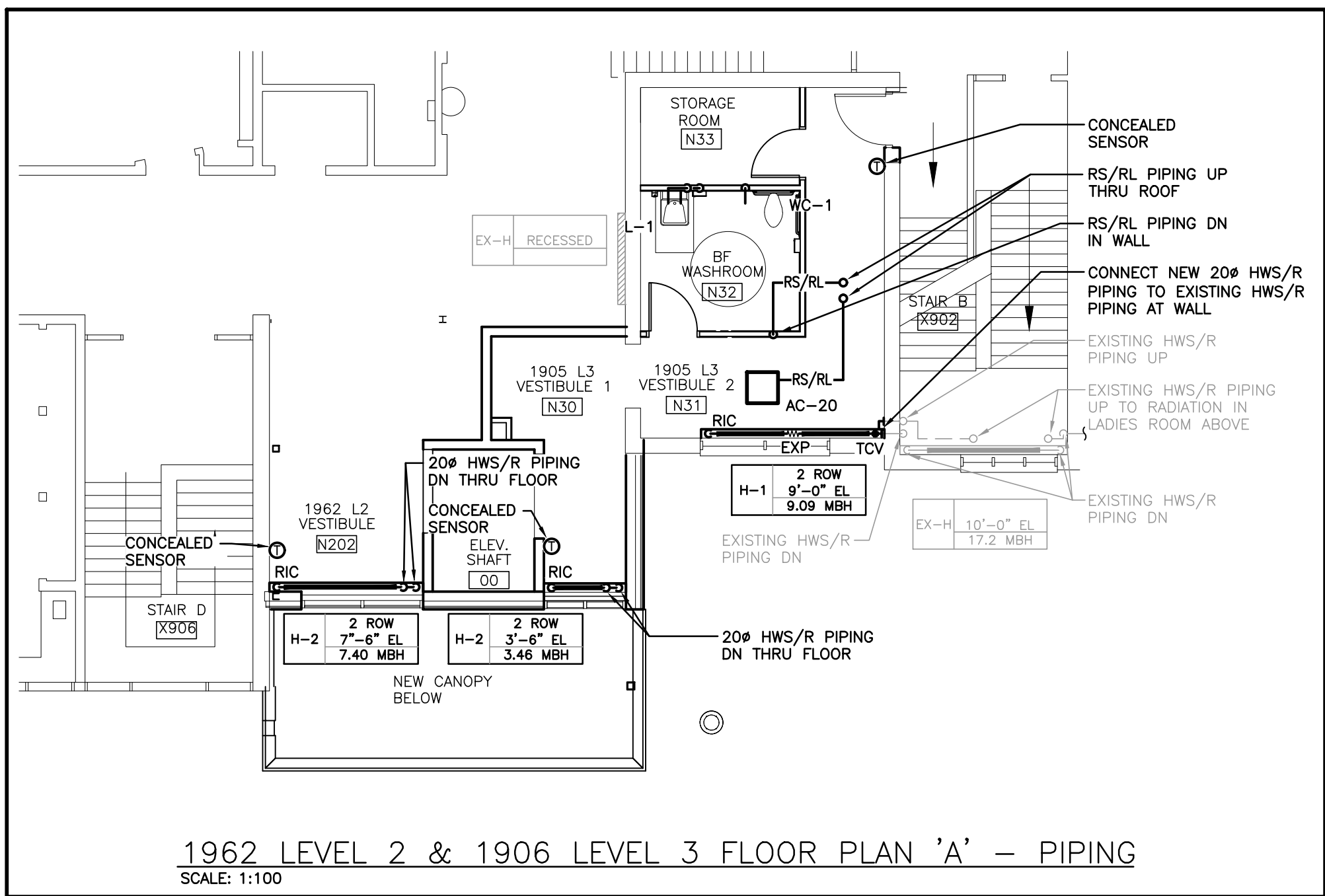
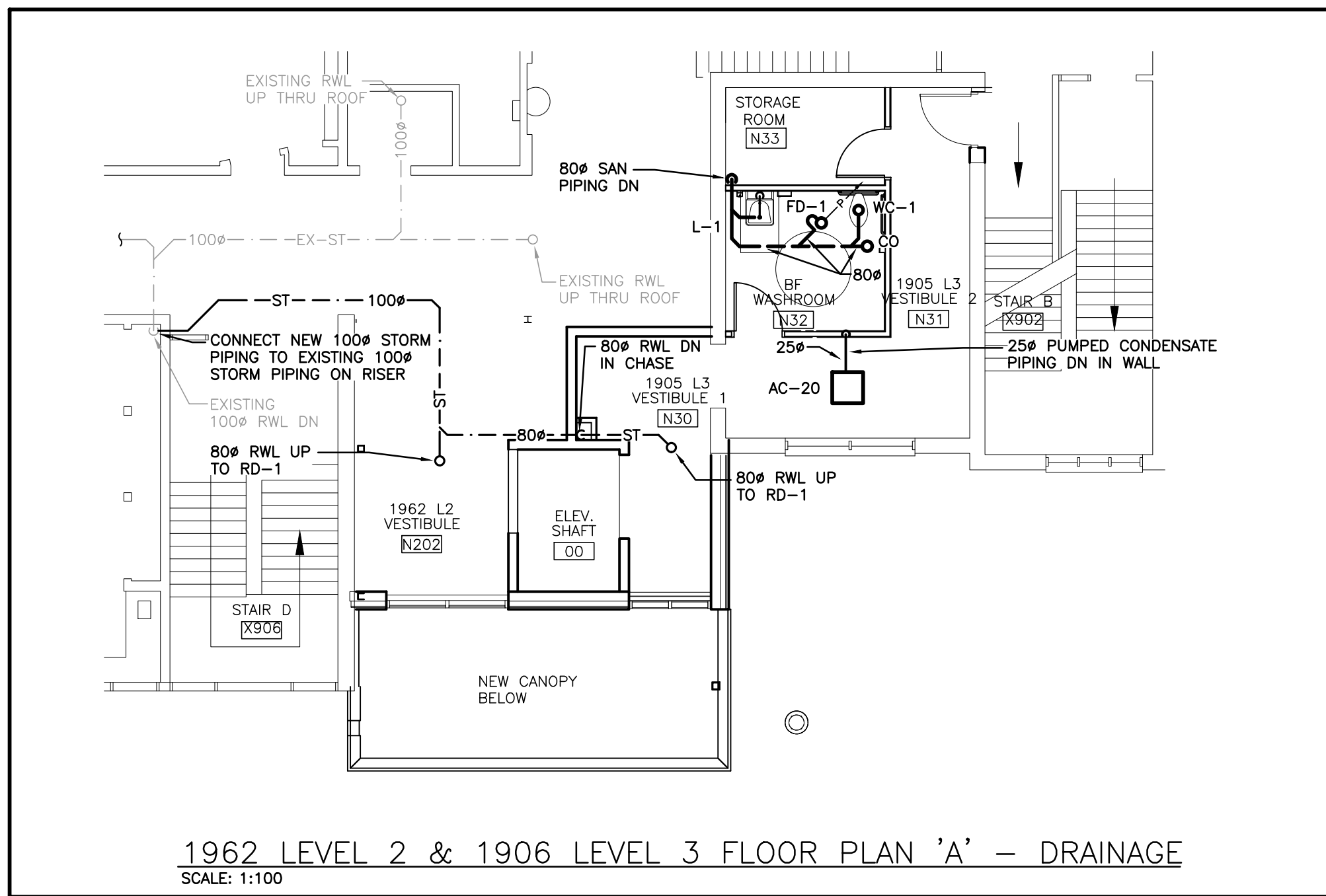


M1.4

DRAWN BY: MB CHECKED BY: SO

All dimensions and notes on these drawings shall be checked and verified by the General Contractor.

PARTIAL RENOVATION PLANS



**GENERAL RENOVATION NOTES**

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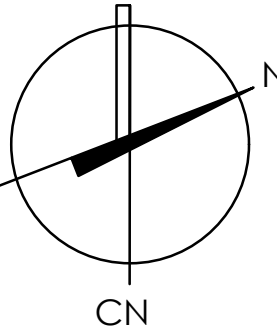
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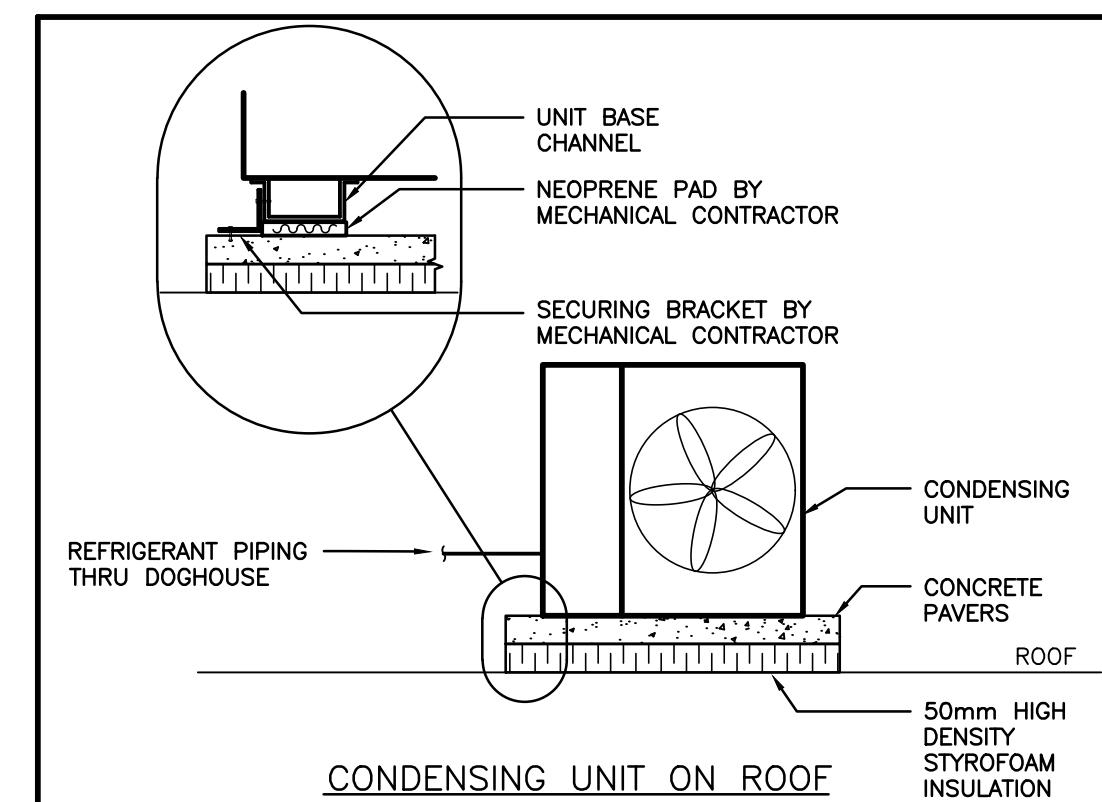
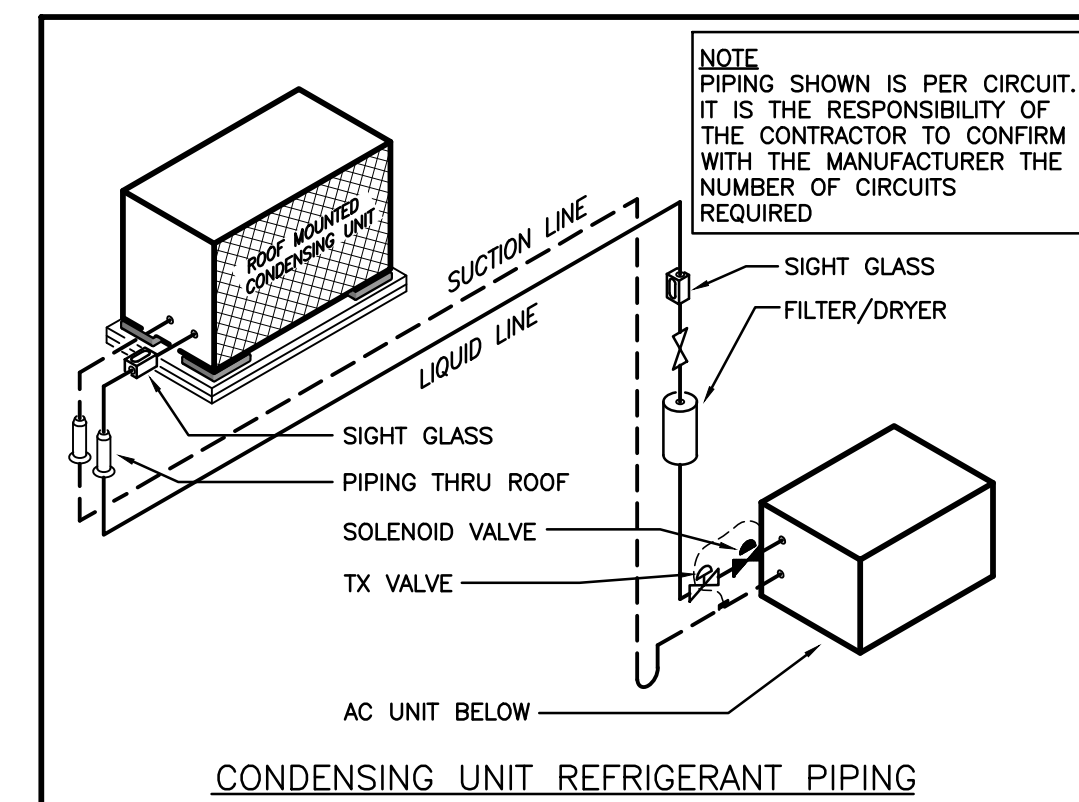
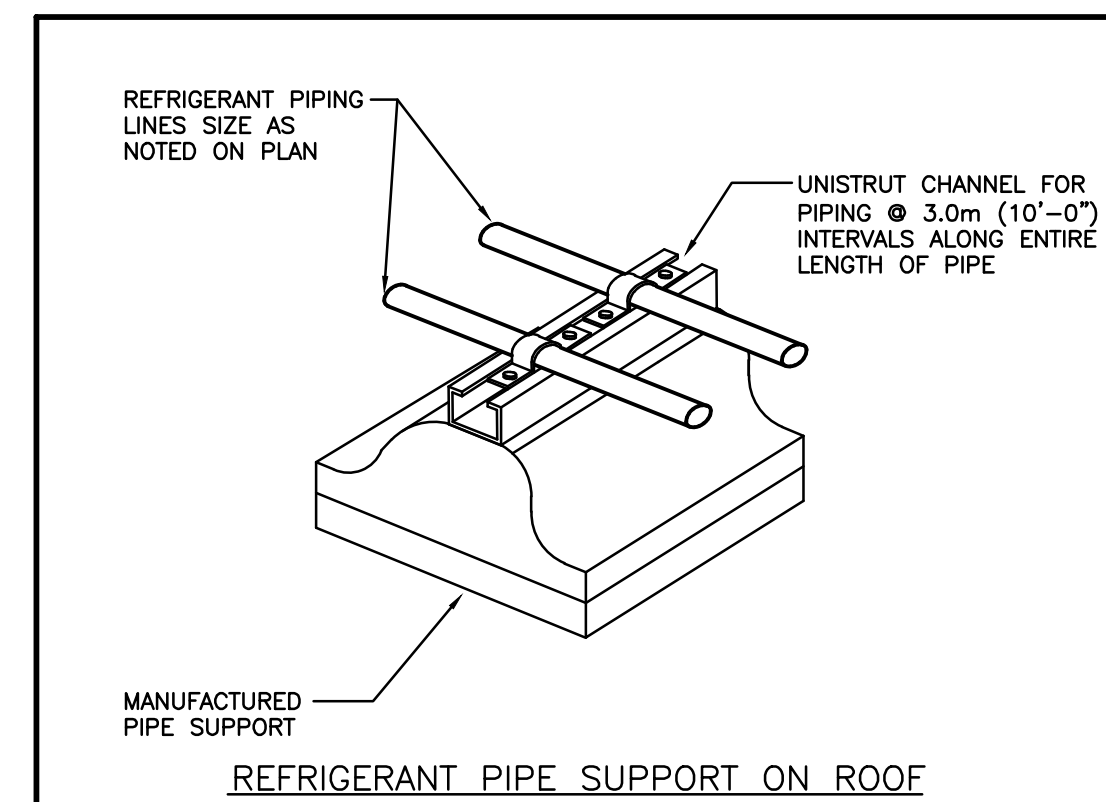
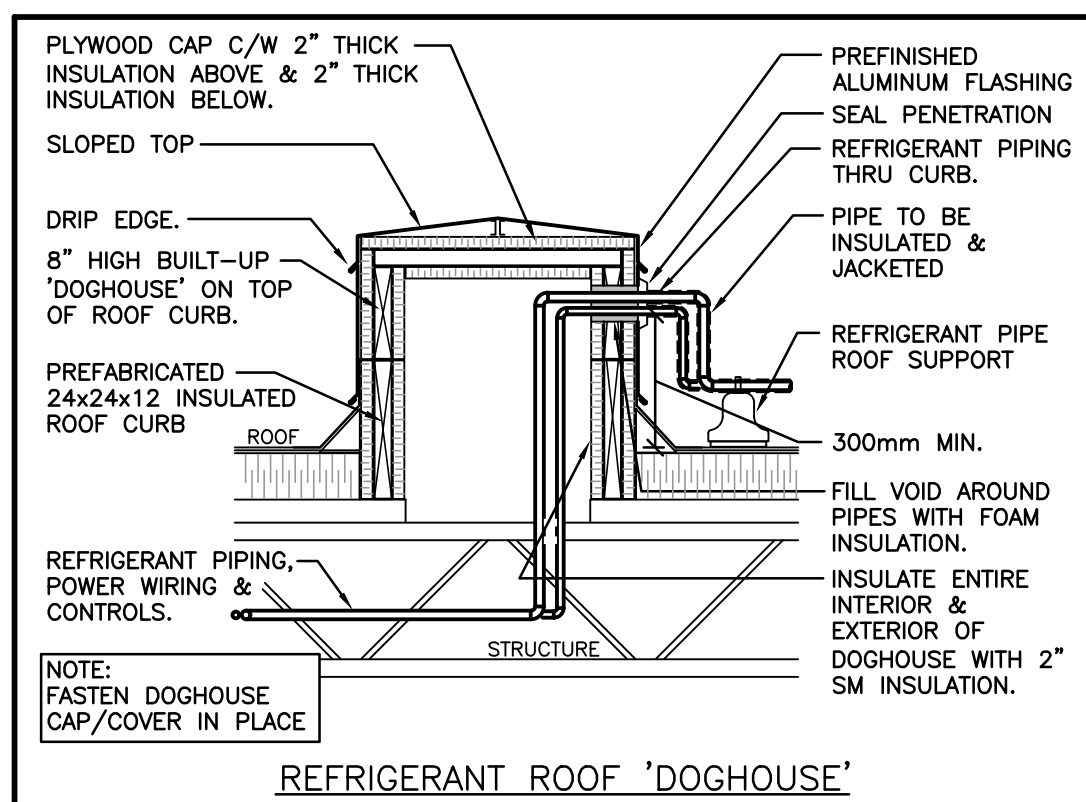
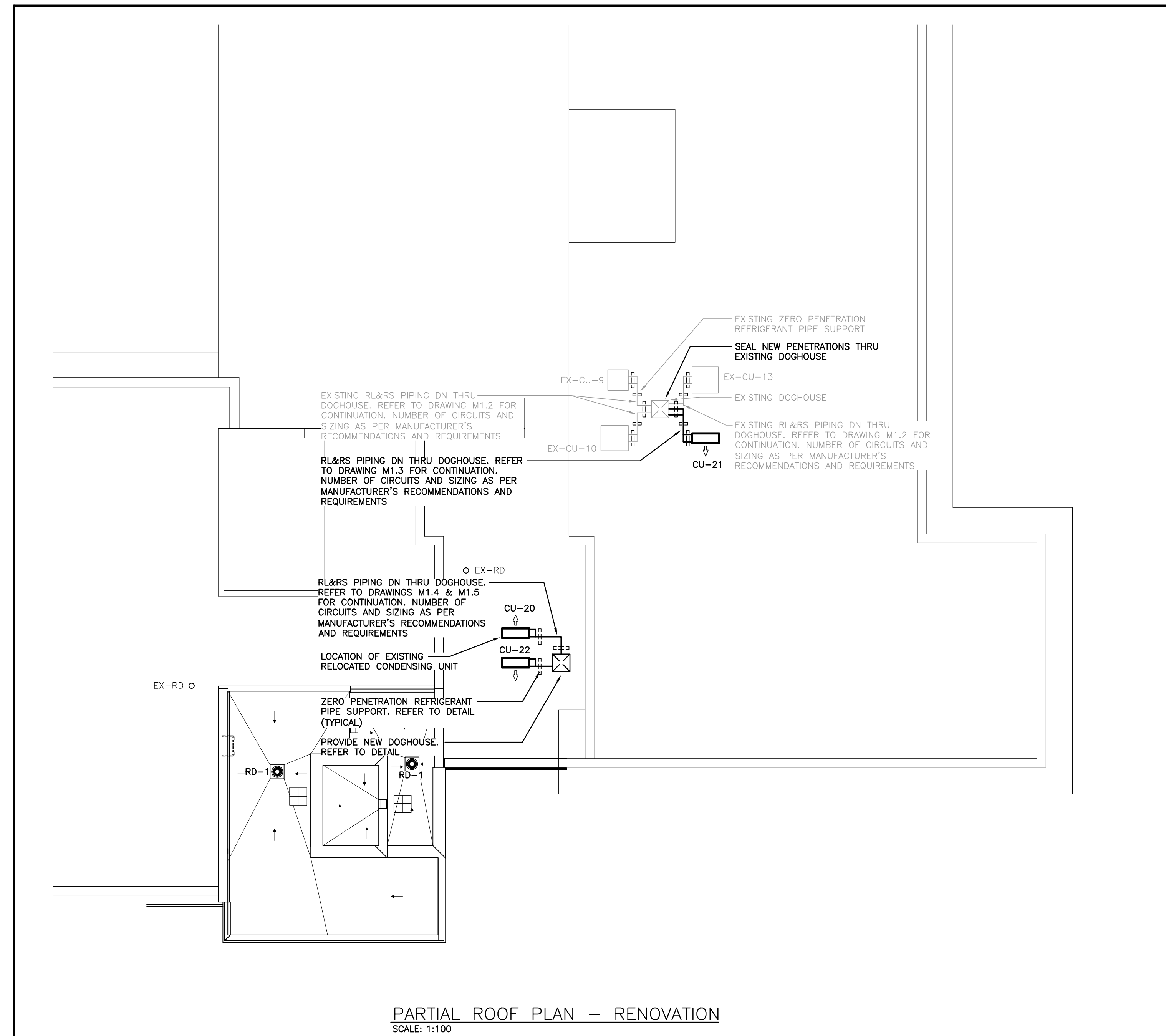
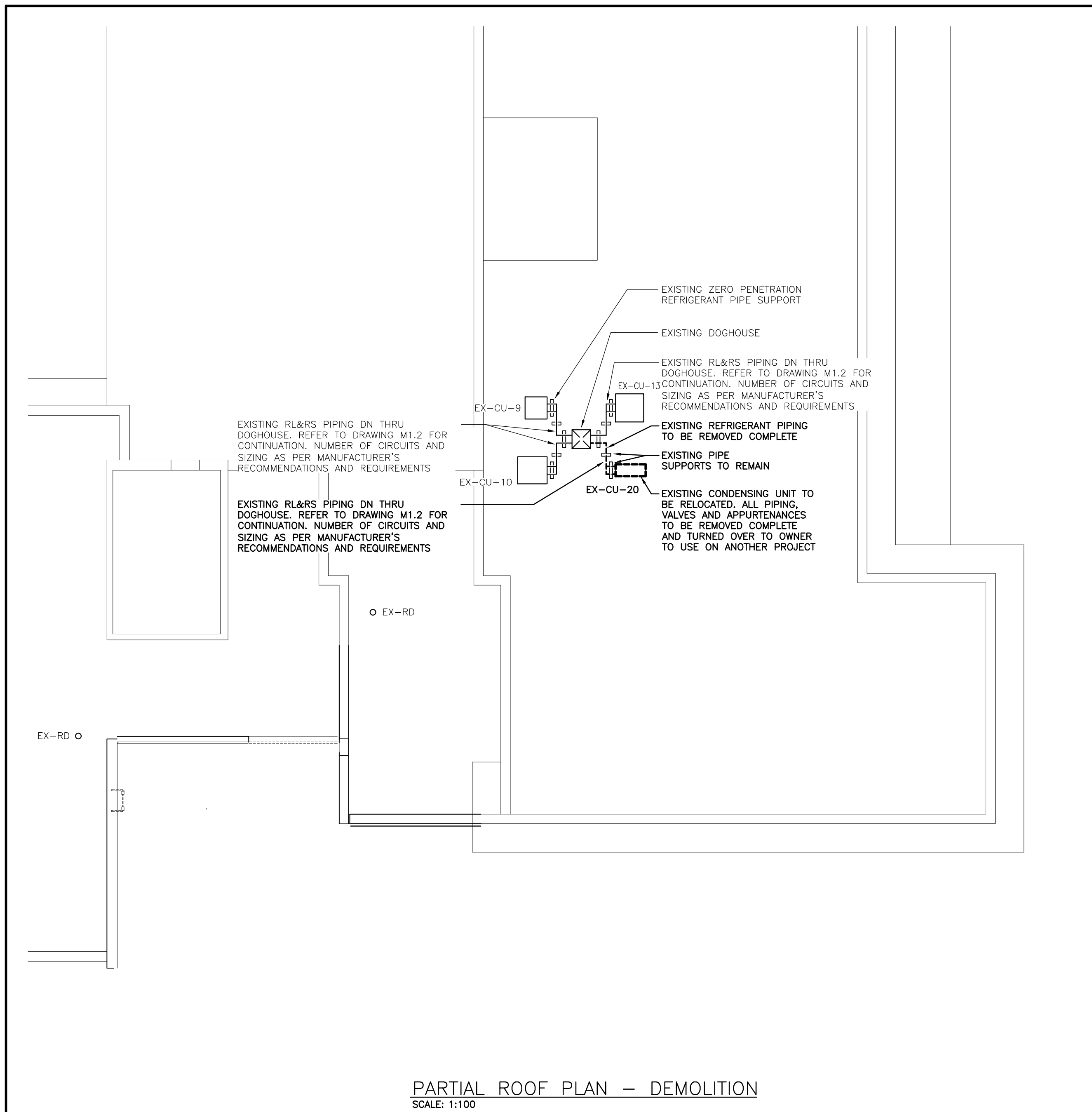
**CLIENT**  
 WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



M1.5



**GENERAL NOTES**

- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL FIRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0m FROM EDGE OF ROOF.

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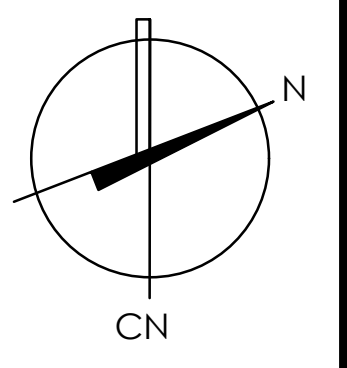
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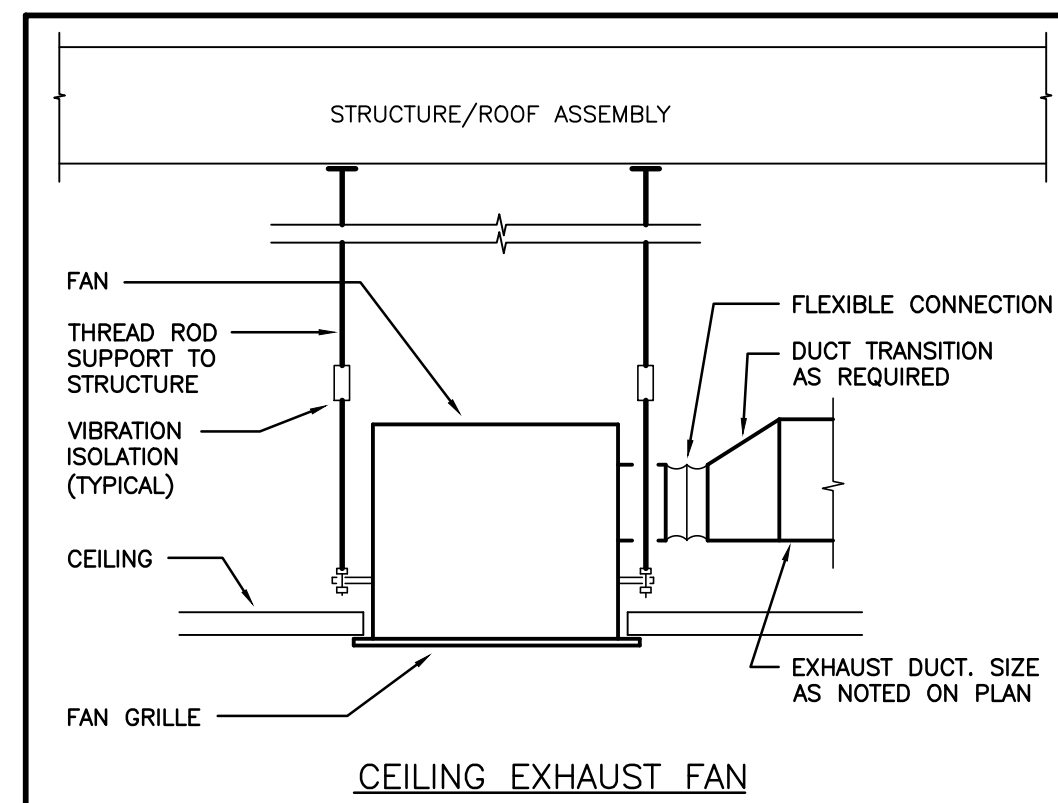
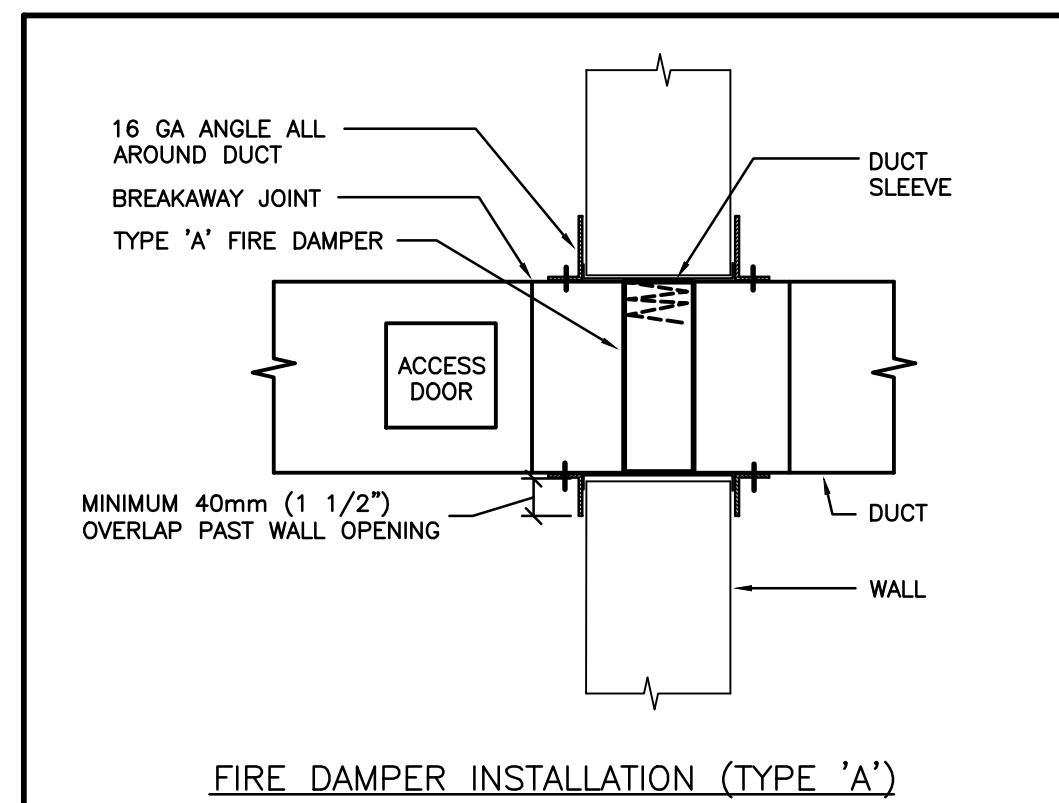
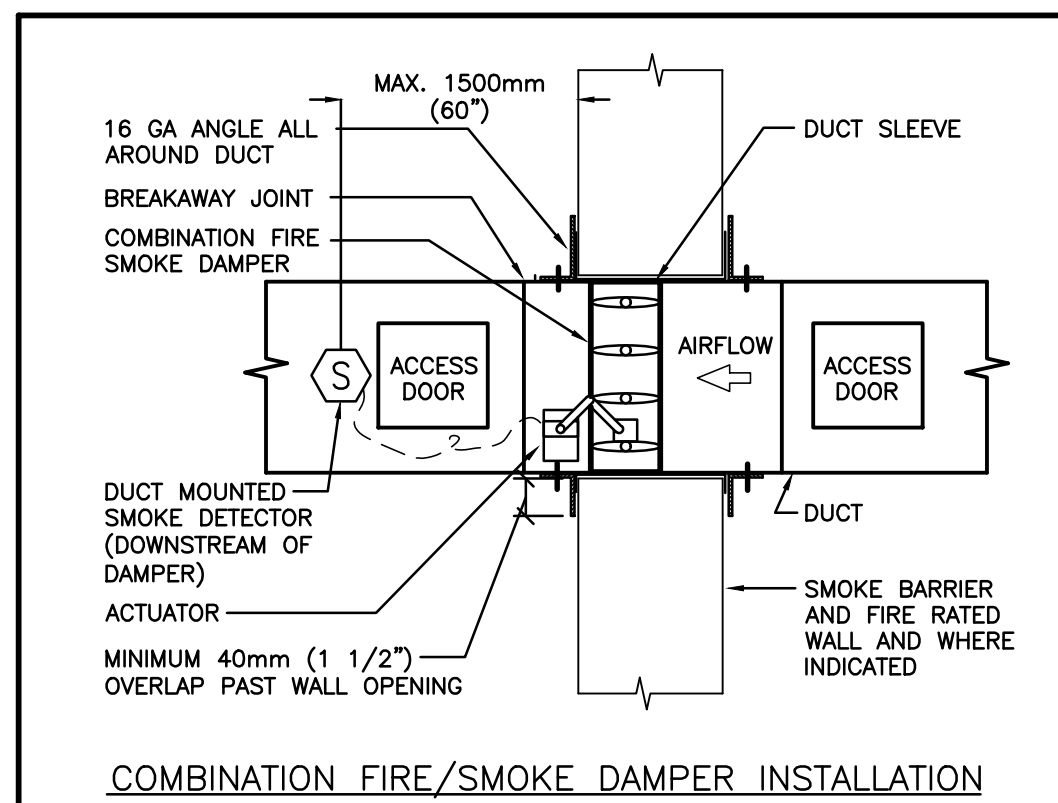
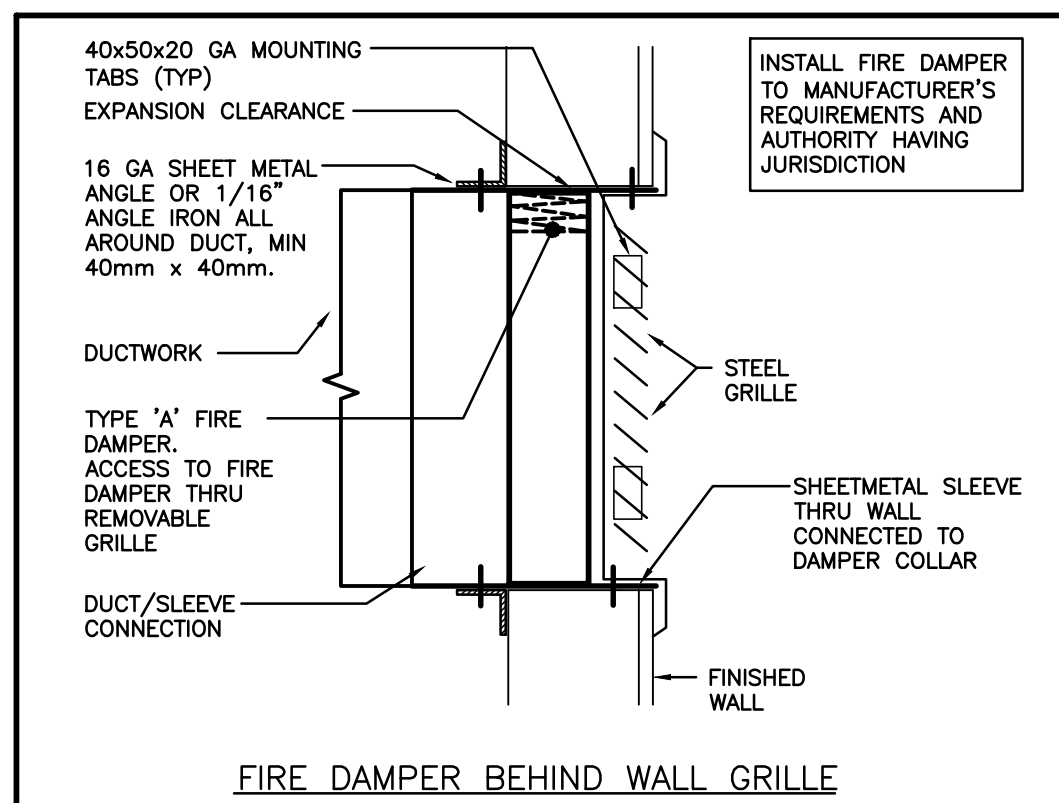
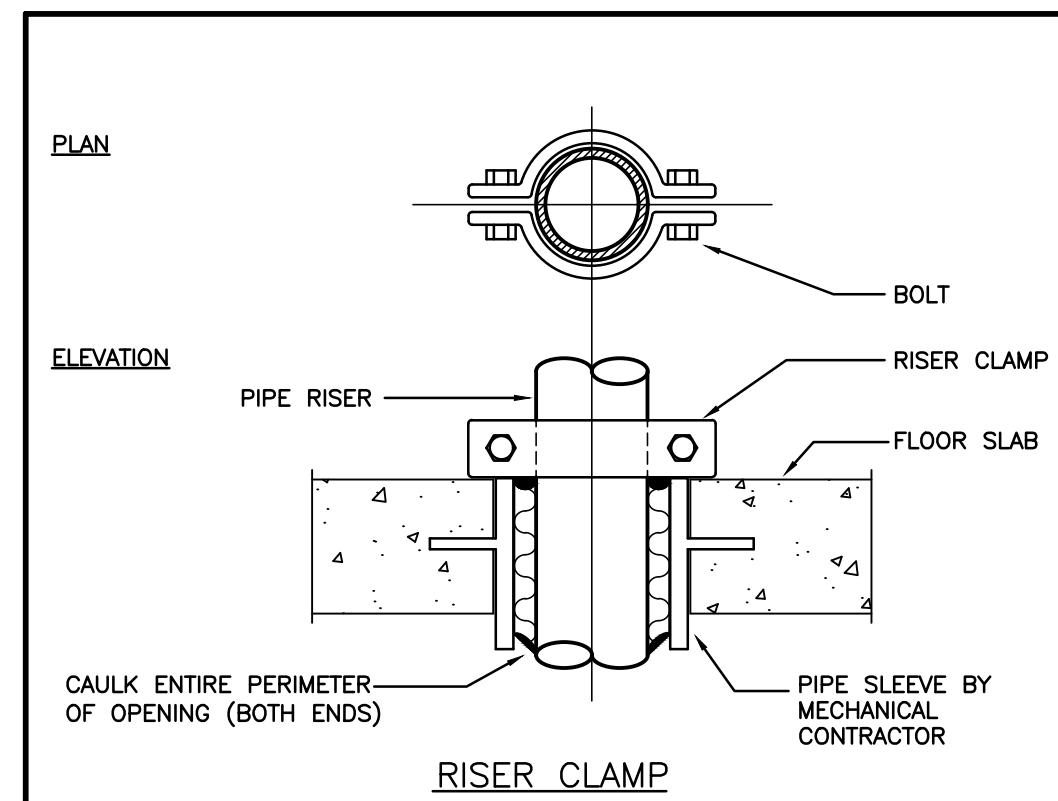
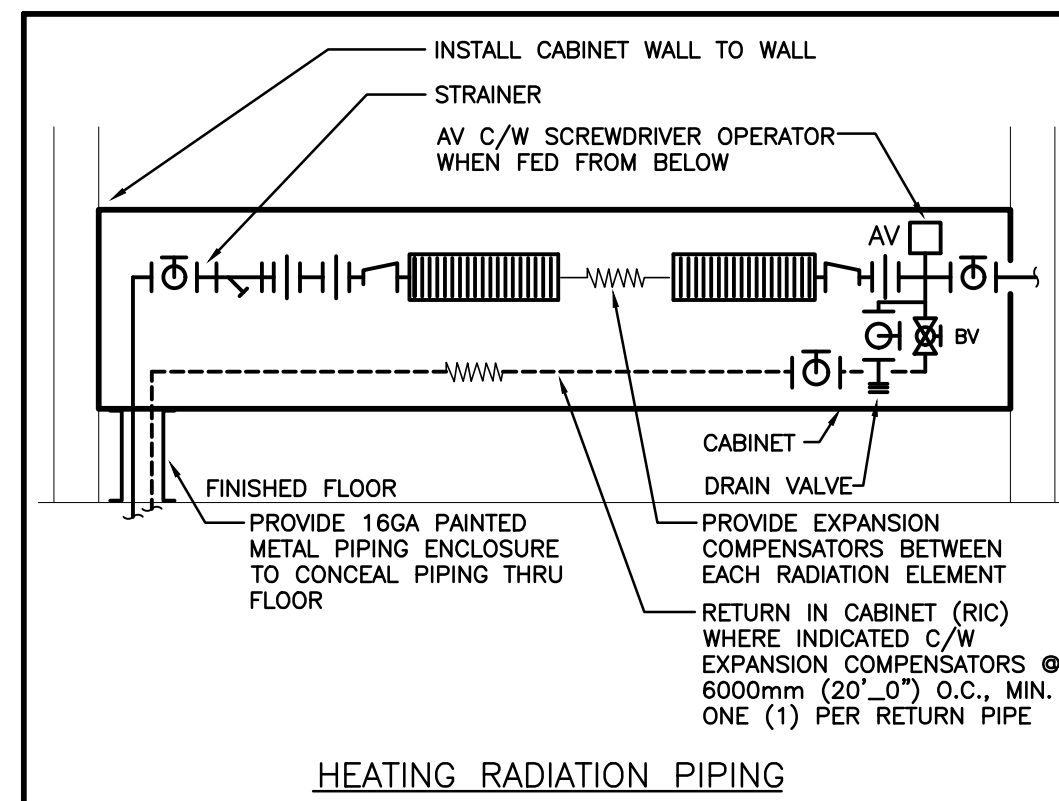
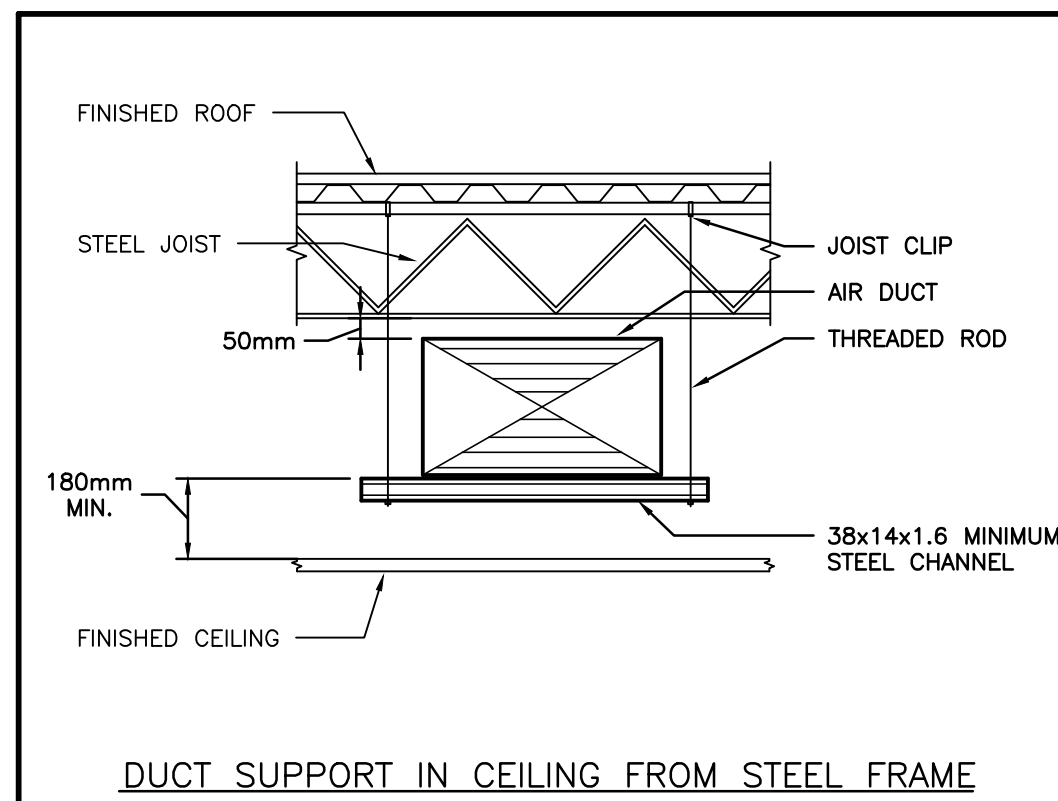
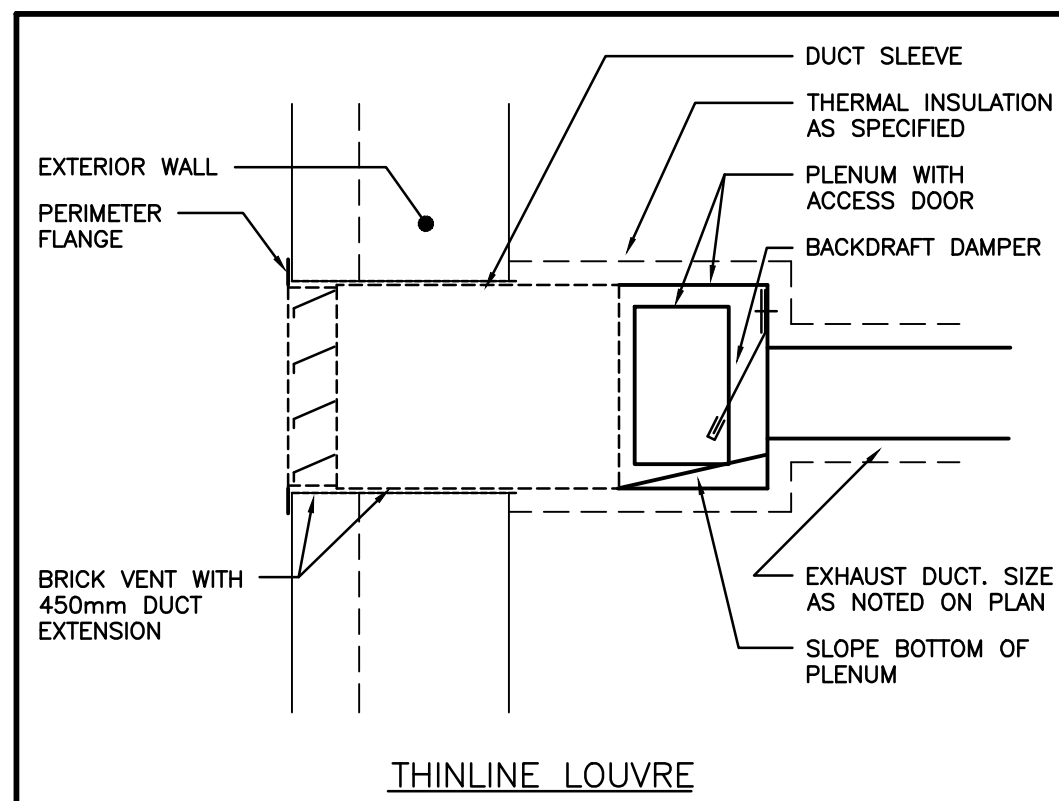
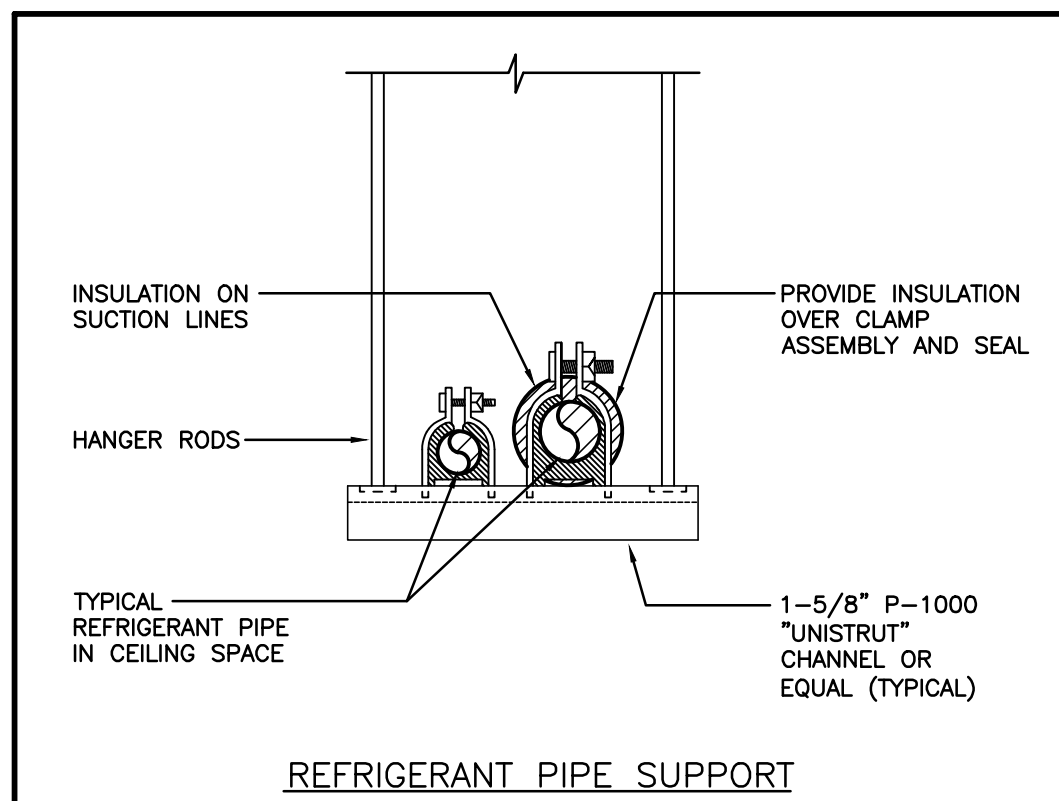
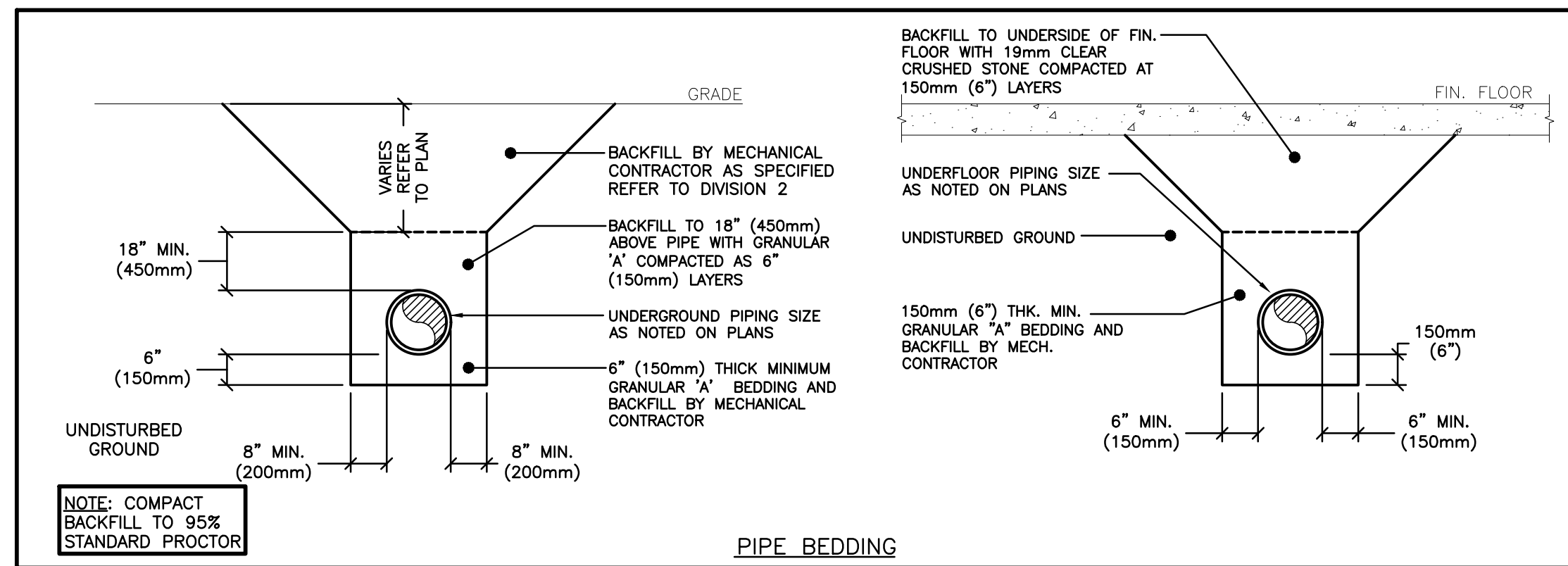
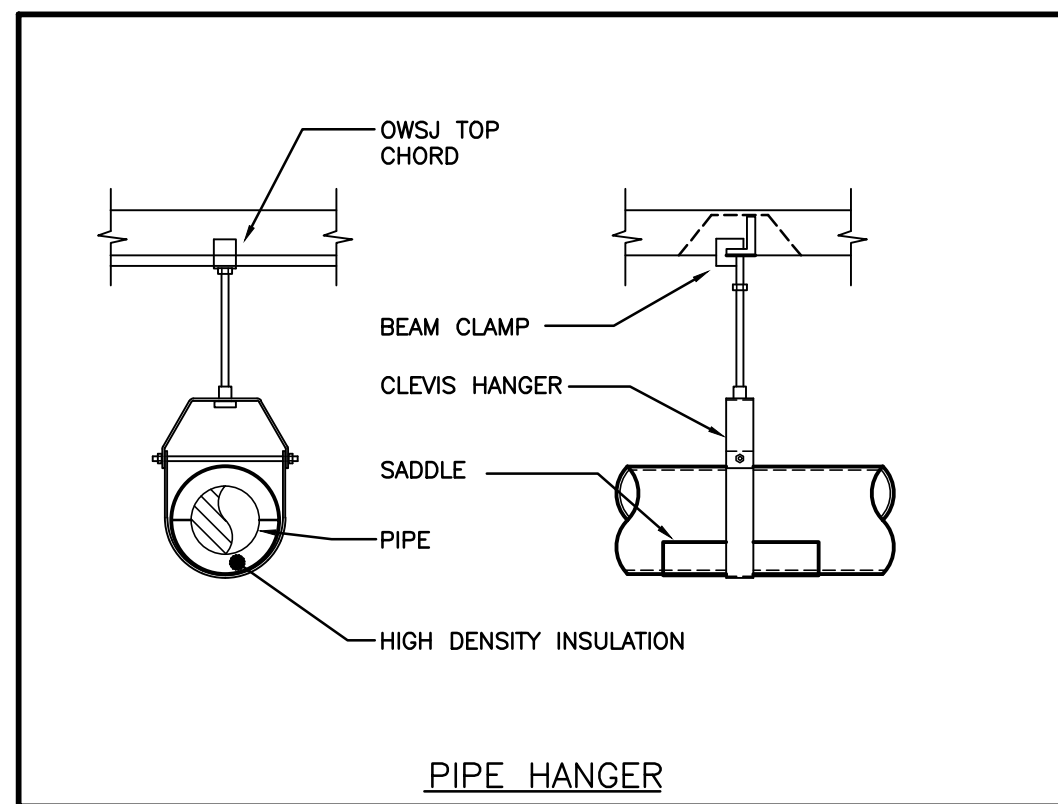
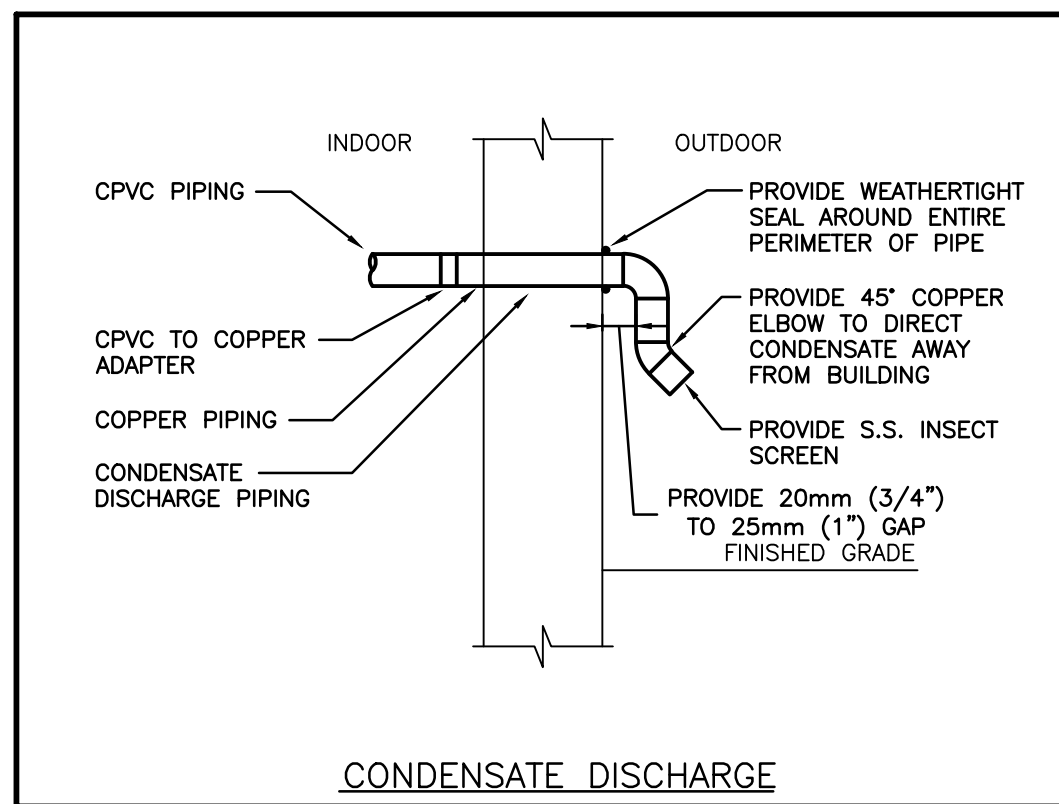
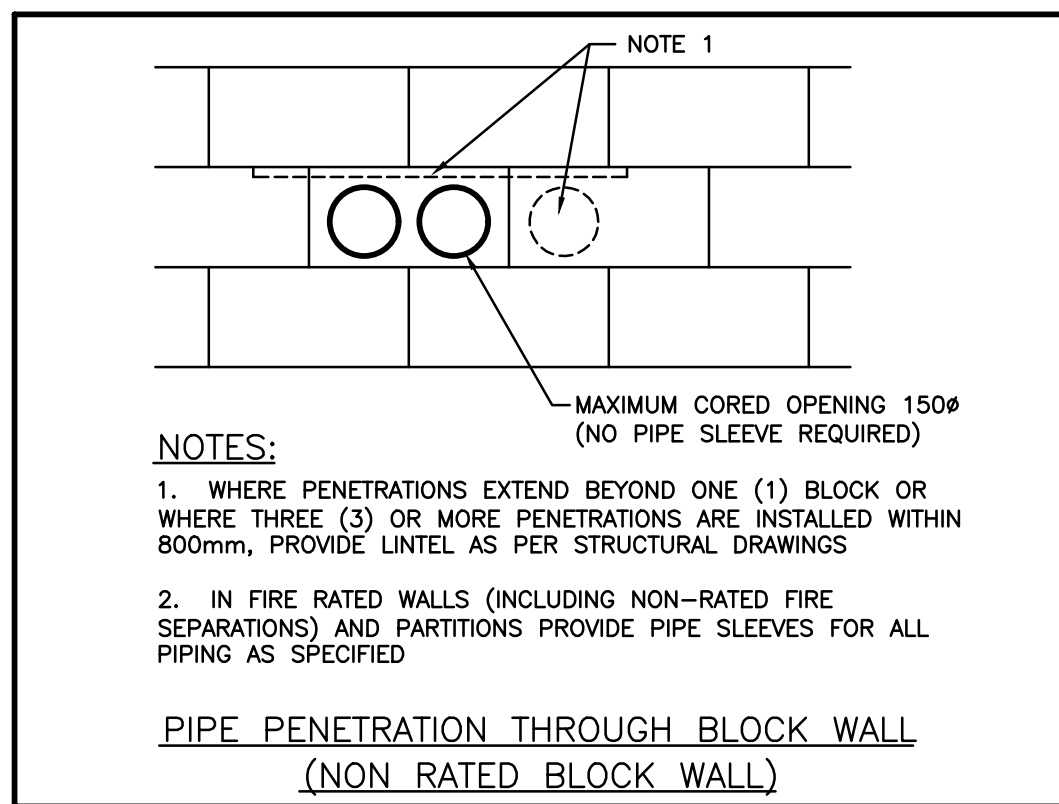
**DEI**  
 Consulting Engineers  
 MECHANICAL | ELECTRICAL | AQUATIC  
 55 Northland Road,  
 Waterloo, ON, N2L 1Y8  
 Phone: 519-749-9355  
 Website: deiassociates.ca  
 Project Number: 22054

**CLIENT**  
 WATERLOO REGION DISTRICT  
 SCHOOL BOARD, 51 ARDELT  
 AVENUE, KITCHENER, ONTARIO,  
 N2C 2R5

**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR  
 ADDITION  
 709 KING STREET WEST,  
 KITCHENER, ON  
 N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"





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Consulting Engineers  
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55 Northland Road,  
Waterloo, ON, N2L 1B8  
Phone: 519-795-9355  
Website: deiassociates.ca  
Project Number: 22054

**CLIENT**

WATERLOO REGION DISTRICT  
SCHOOL BOARD, 51 ARDELT  
AVENUE, KITCHENER, ONTARIO,  
N2C 2R5

**PROJECT:**

22059  
KING EDWARD PS ELEVATOR  
ADDITION  
709 KING STREET WEST,  
KITCHENER, ON  
N2G 1E3

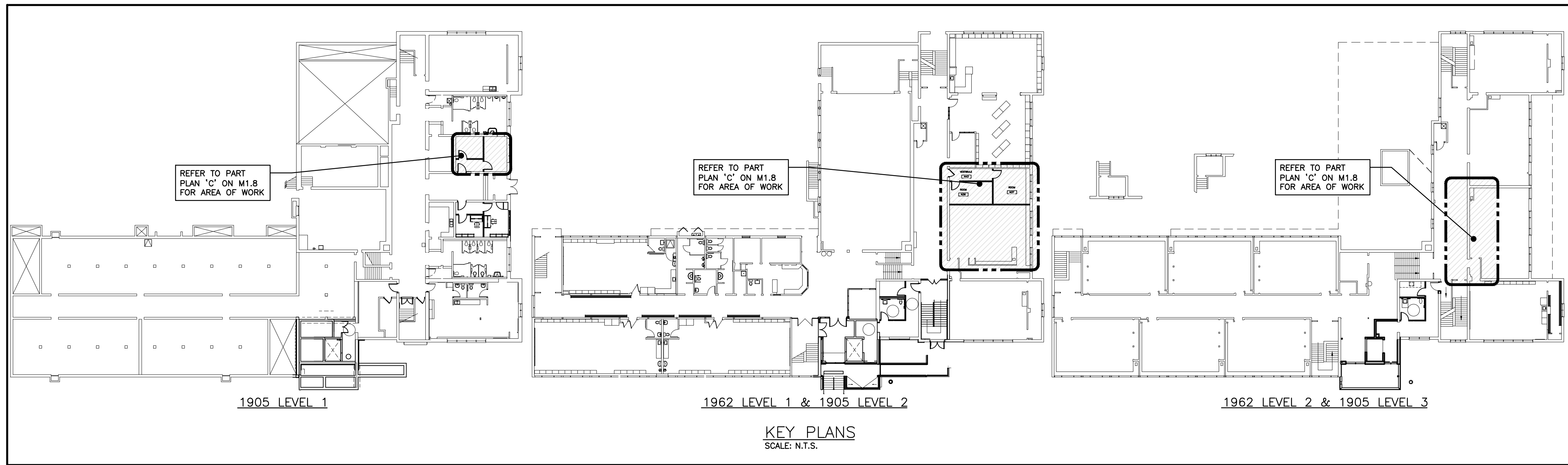
ORIGINAL PAGE SIZE ARCH D - 24" X 36"



All dimensions and tolerances must be checked and verified by the General Contractor.

DETAILS

M1.7



**SPLIT AIR CONDITIONING UNIT SCHEDULE (CASH ALLOWANCE)**

Item	Service	Capacity (Tons)	Refrig.	Unit Weight lbs	MCA	MOCP	Voltage	Manufacturer & Model	Remarks
AC-24	NEW OFFICE N40	0.75	R410A	40±	0.25	15	208/1/60	LG LMCN07BHV	INTERLOCK TO CU-23. PROVIDE POWER FROM CU-23, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT
AC-25	NEW OFFICE N41	0.75	R410A	40±	0.25	15	208/1/60	LG LMCN07BHV	INTERLOCK TO CU-23. PROVIDE POWER FROM CU-23, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT
AC-26	ROOM N36	0.75	R410A	40±	0.25	15	208/1/60	LG LMCN07BHV	INTERLOCK TO CU-24. PROVIDE POWER FROM CU-24, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT
AC-27	ROOM N37	0.75	R410A	40±	0.25	15	208/1/60	LG LMCN07BHV	INTERLOCK TO CU-24. PROVIDE POWER FROM CU-24, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT

1. ACCEPTABLE MANUFACTURERS: DAIKIN/CARRIER/LG/LENNOX/MITSUBISHI

**AIR COOLED CONDENSING UNIT SCHEDULE (CASH ALLOWANCE)**

Item	Type	Service	Tons	Capacity MBH	Compressor			Sat. Suction Temp °F	No. of Cond. Fans	Electrical			Unit Weight lbs	Manufacturer	Model	Remarks	
					Type	No.	No. Stages			Refrig.	Voltage	MCA					MOCP
CU-23	OUTDOOR ROOF MOUNTED	NEW OFFICE N40 & NEW OFFICE N41	1.5	18.0	SCROLL	1	1	R410A	52	1	208/1/60	18.6	30	160±	LG	LMU180HHV	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. CONNECT TO AC-24 & AC-25
CU-24	OUTDOOR ROOF MOUNTED	ROOM N36 & ROOM N37	1.5	18.0	SCROLL	1	1	R410A	52	1	208/1/60	18.6	30	160±	LG	LMU180HHV	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. CONNECT TO AC-26 & AC-27

1. ACCEPTABLE MANUFACTURERS: DAIKIN/CARRIER/MITSUBISHI/LG/LENNOX/TRANE

- GENERAL DEMOLITION NOTES**
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
  - EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
  - ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
  - PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
  - REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
  - MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
  - INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
  - THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

- GENERAL RENOVATION NOTES**
- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'-0" IN EACH DIRECTION.
  - CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
  - SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
  - REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.
  - CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

**REVISIONS**

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3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
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The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

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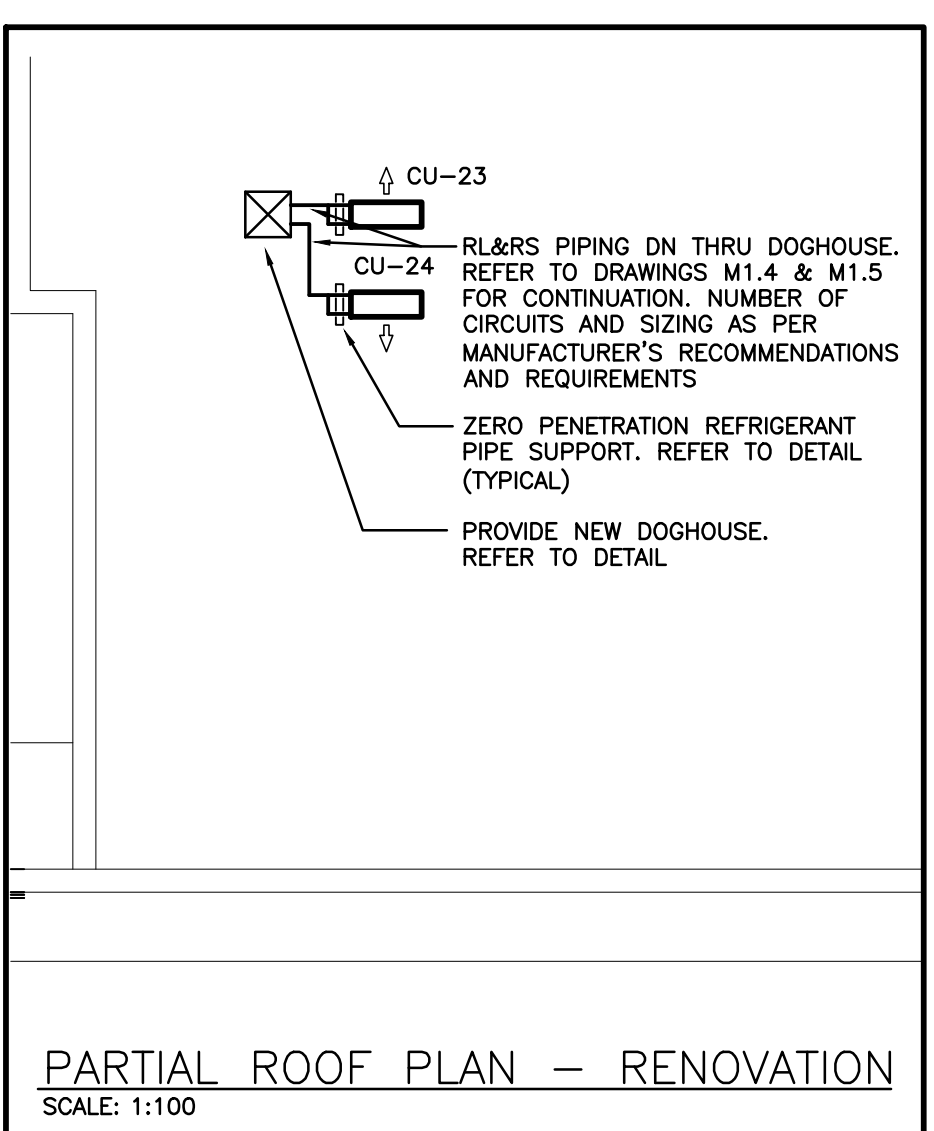
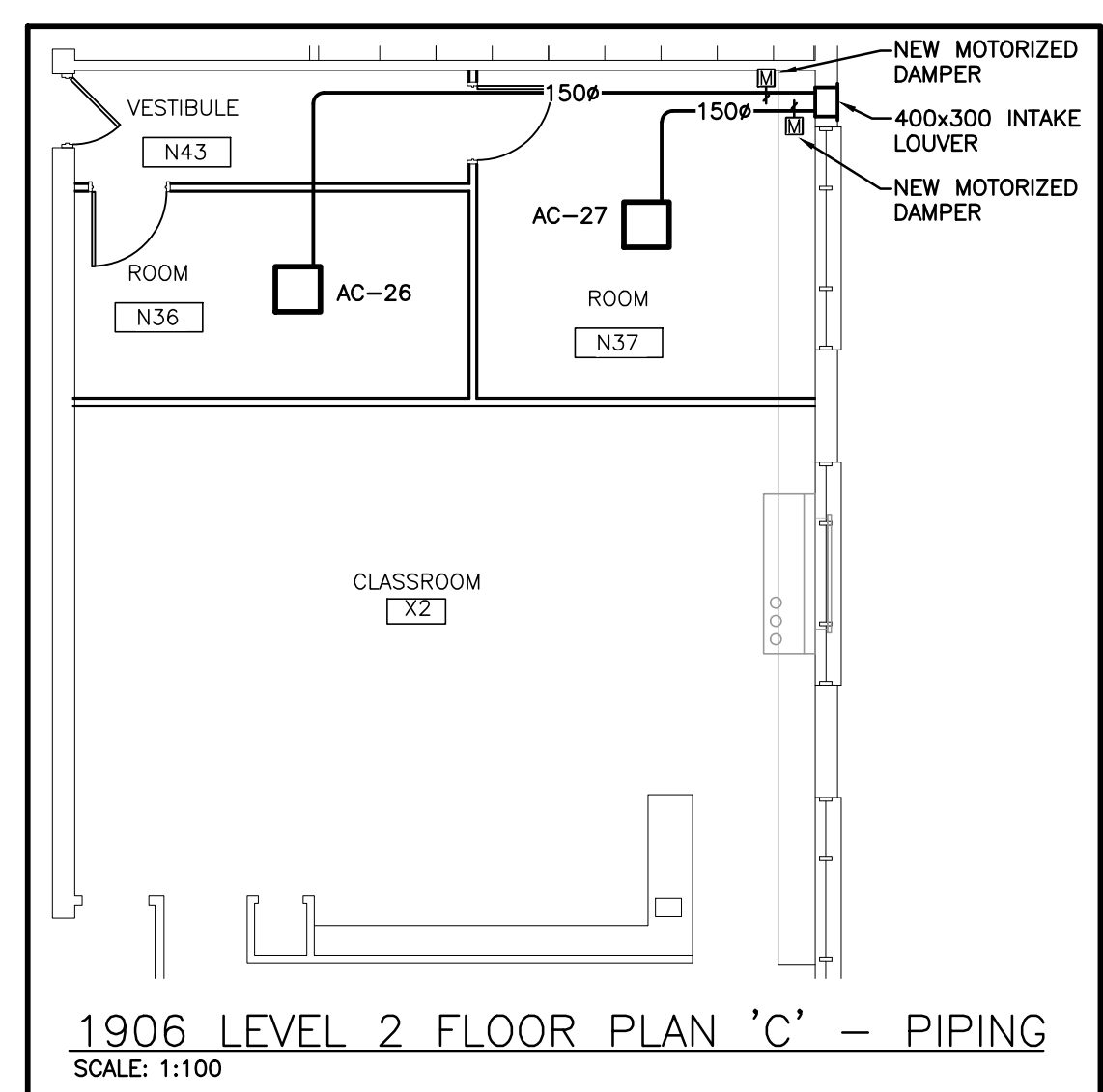
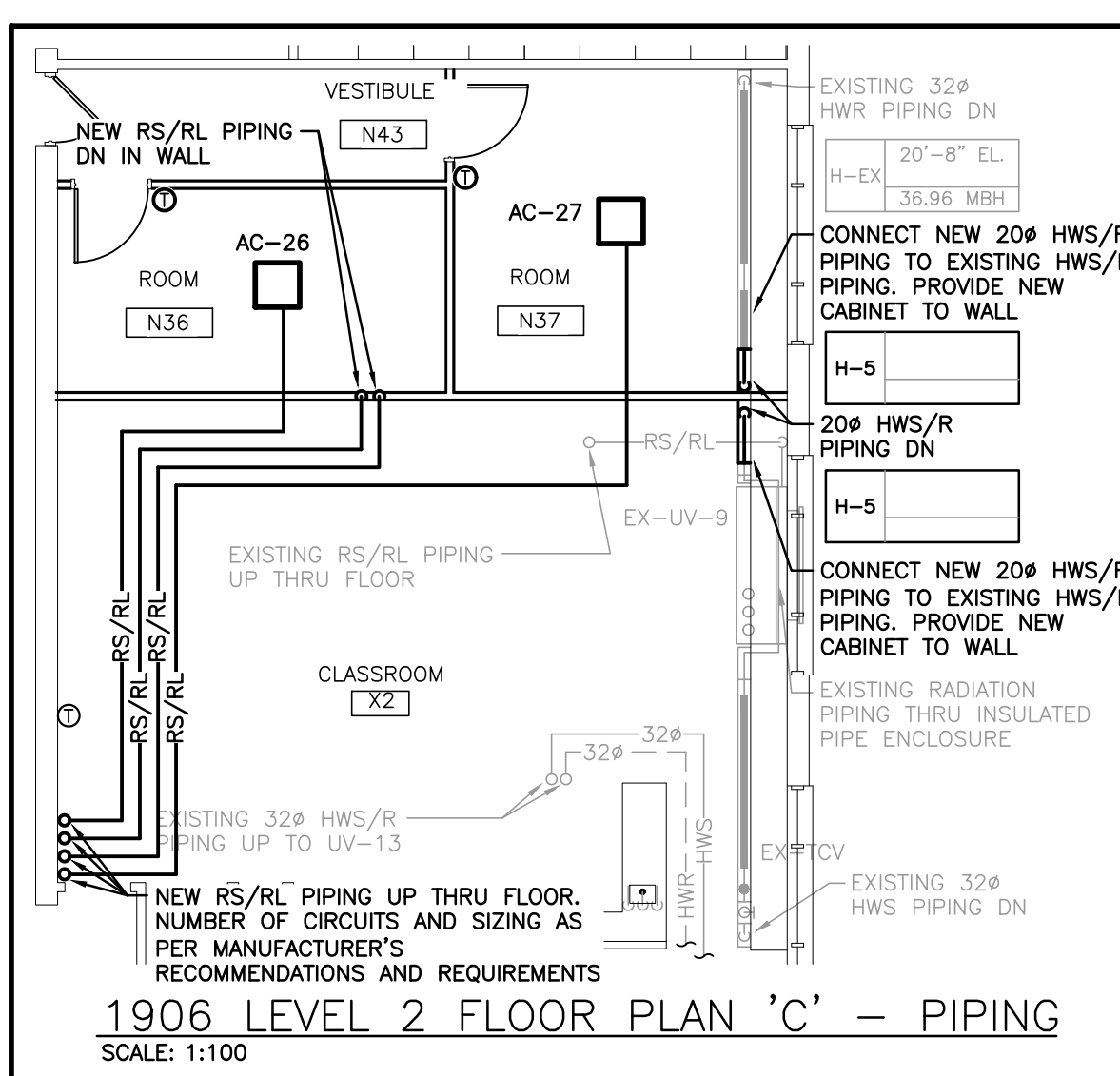
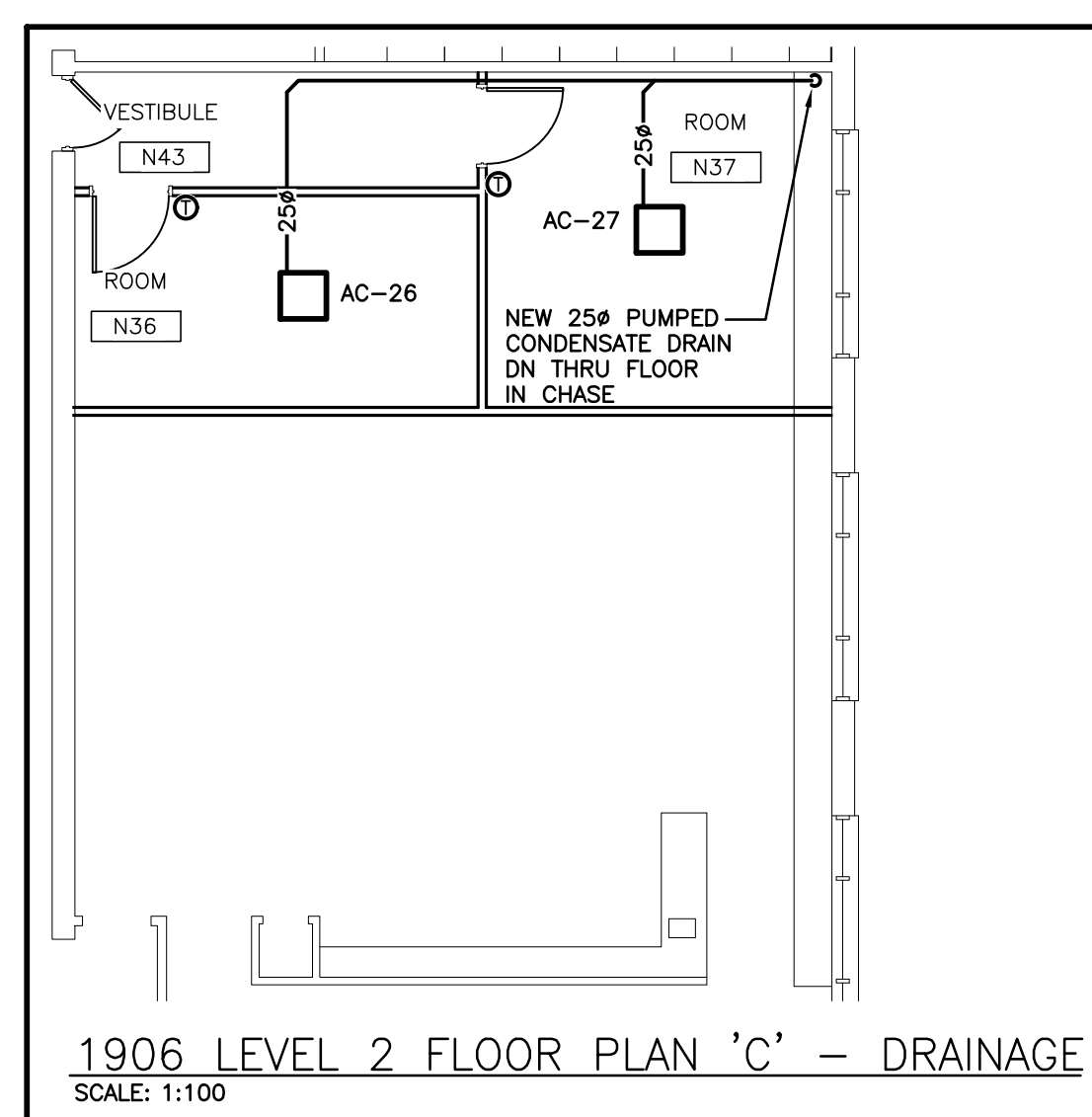
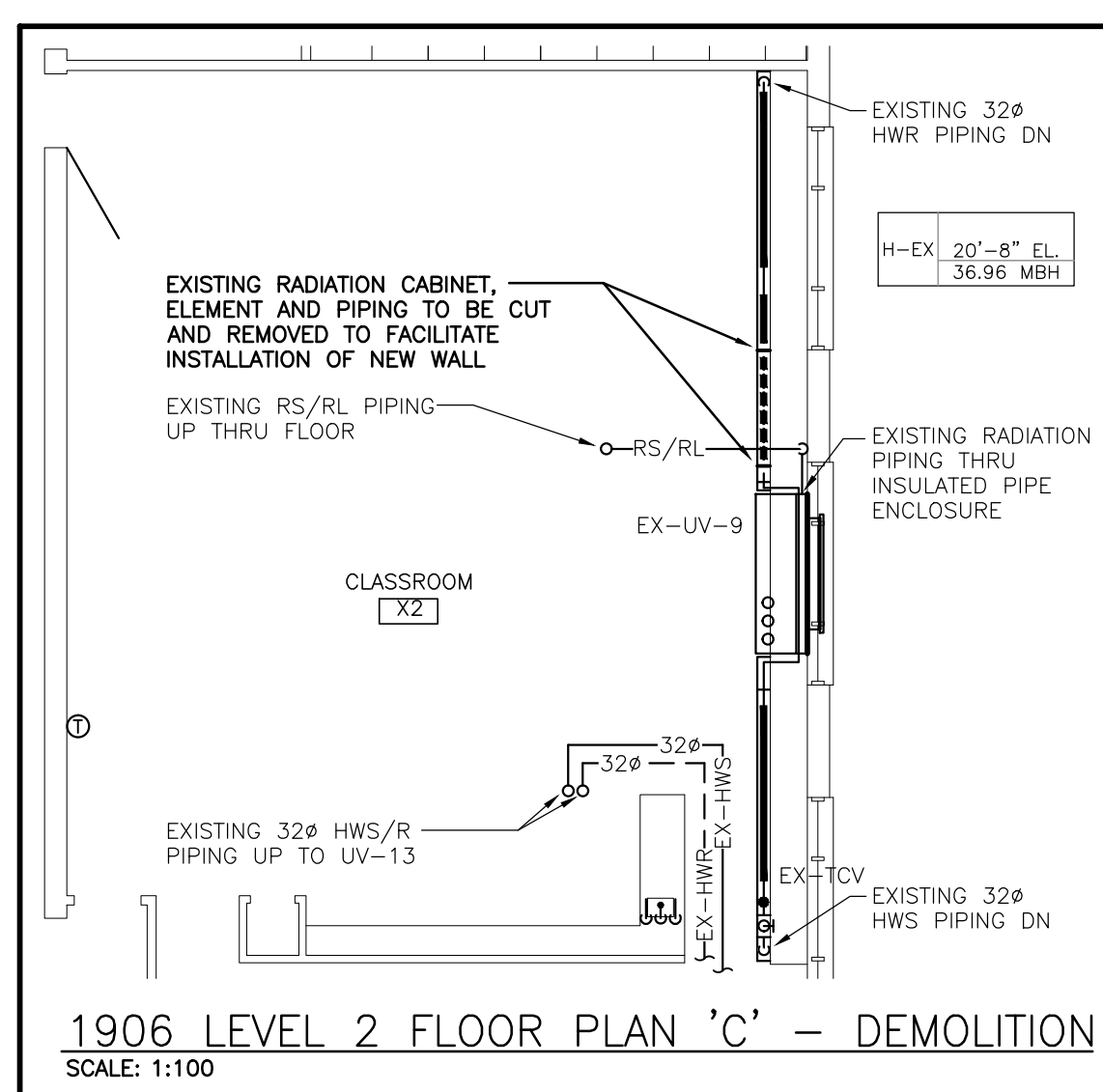
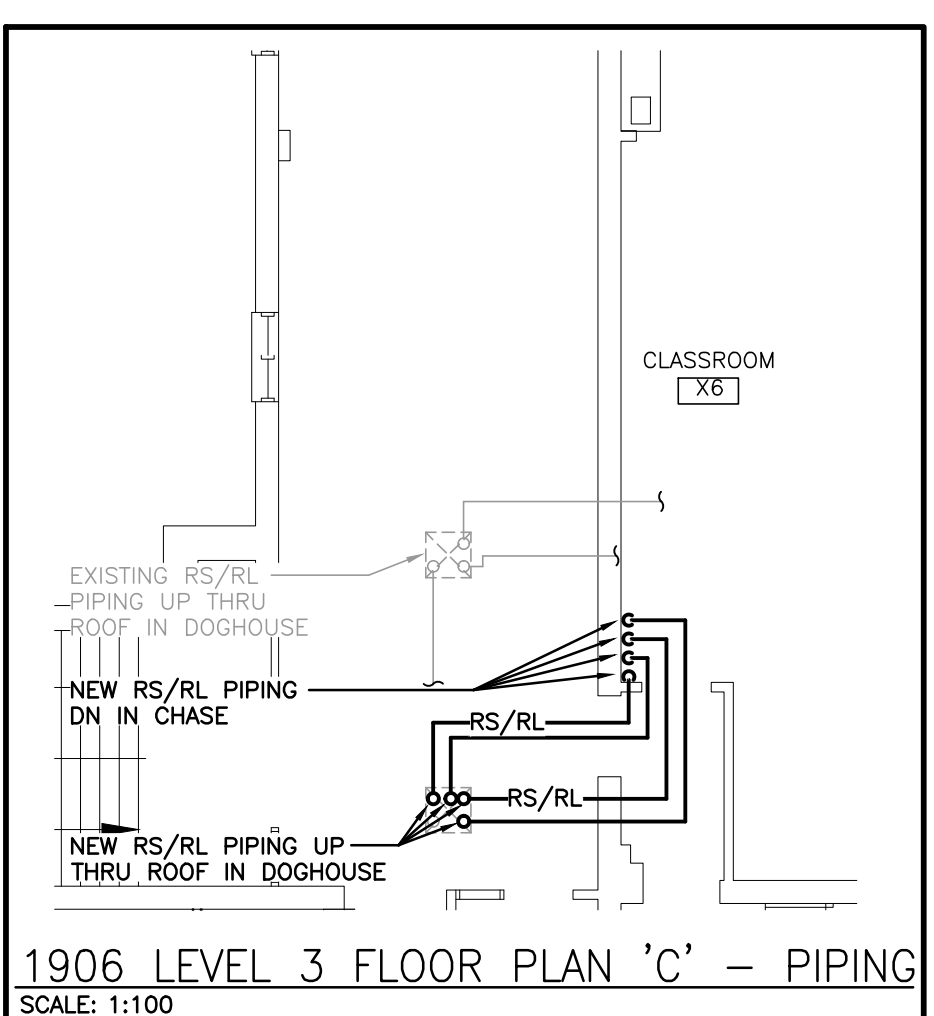
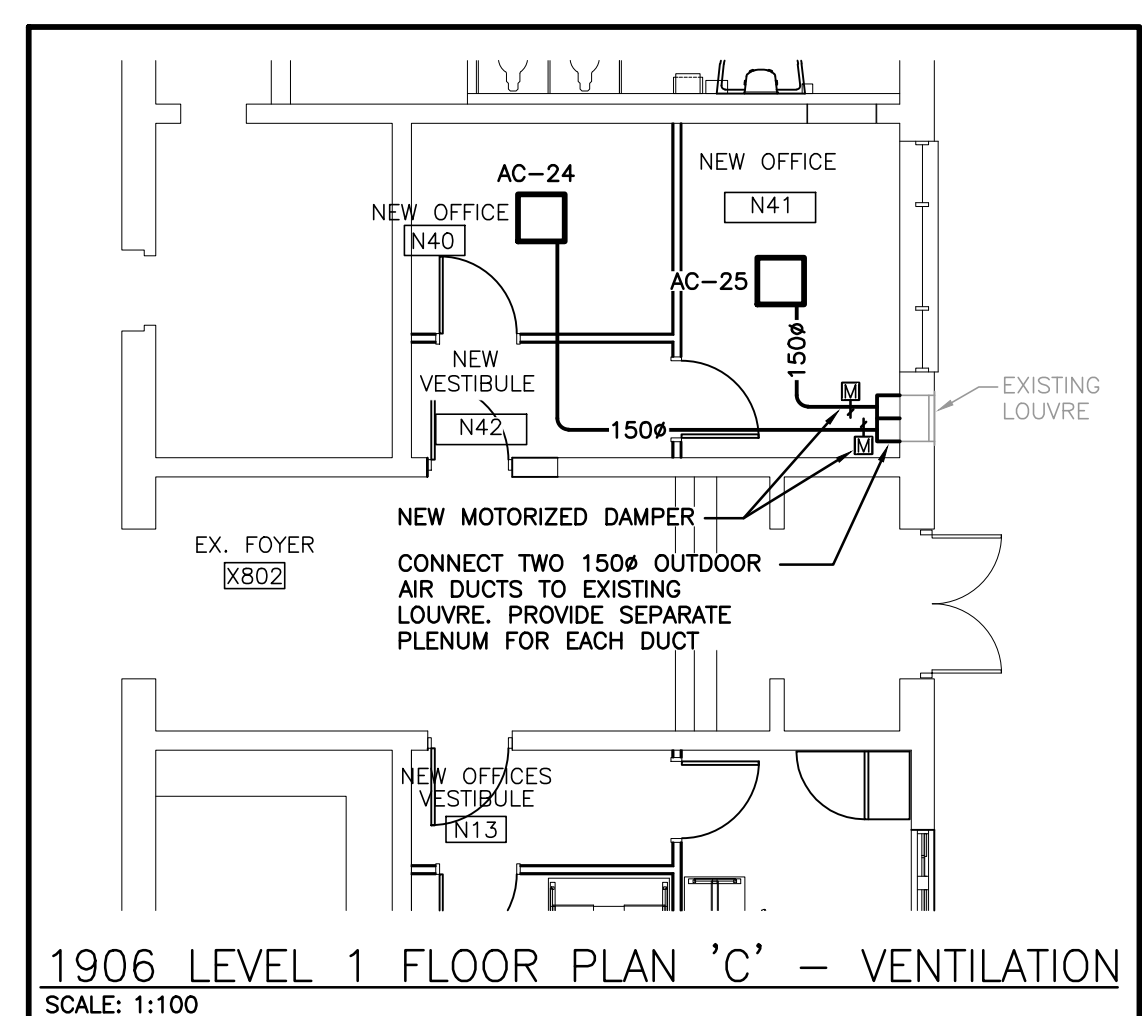
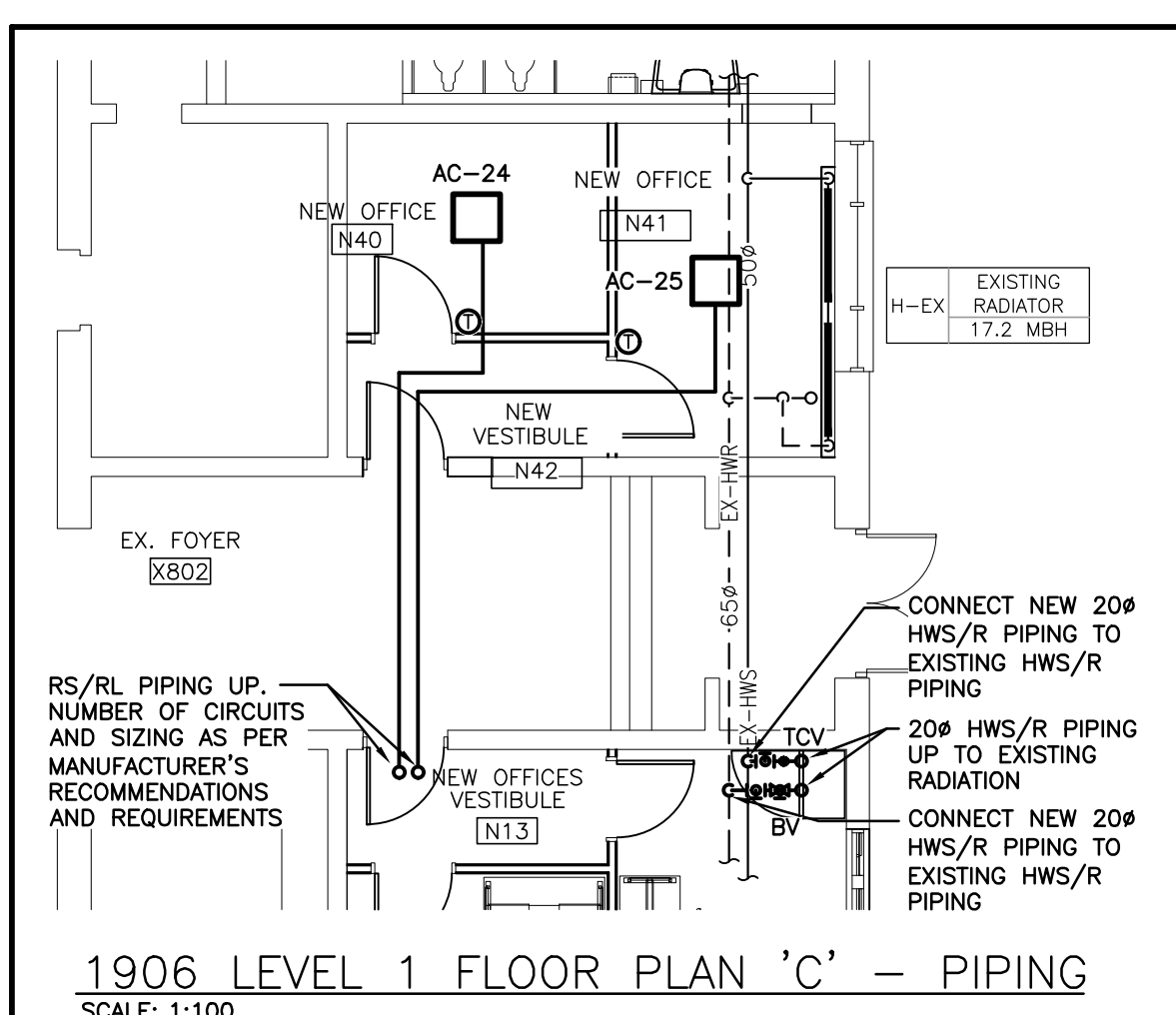
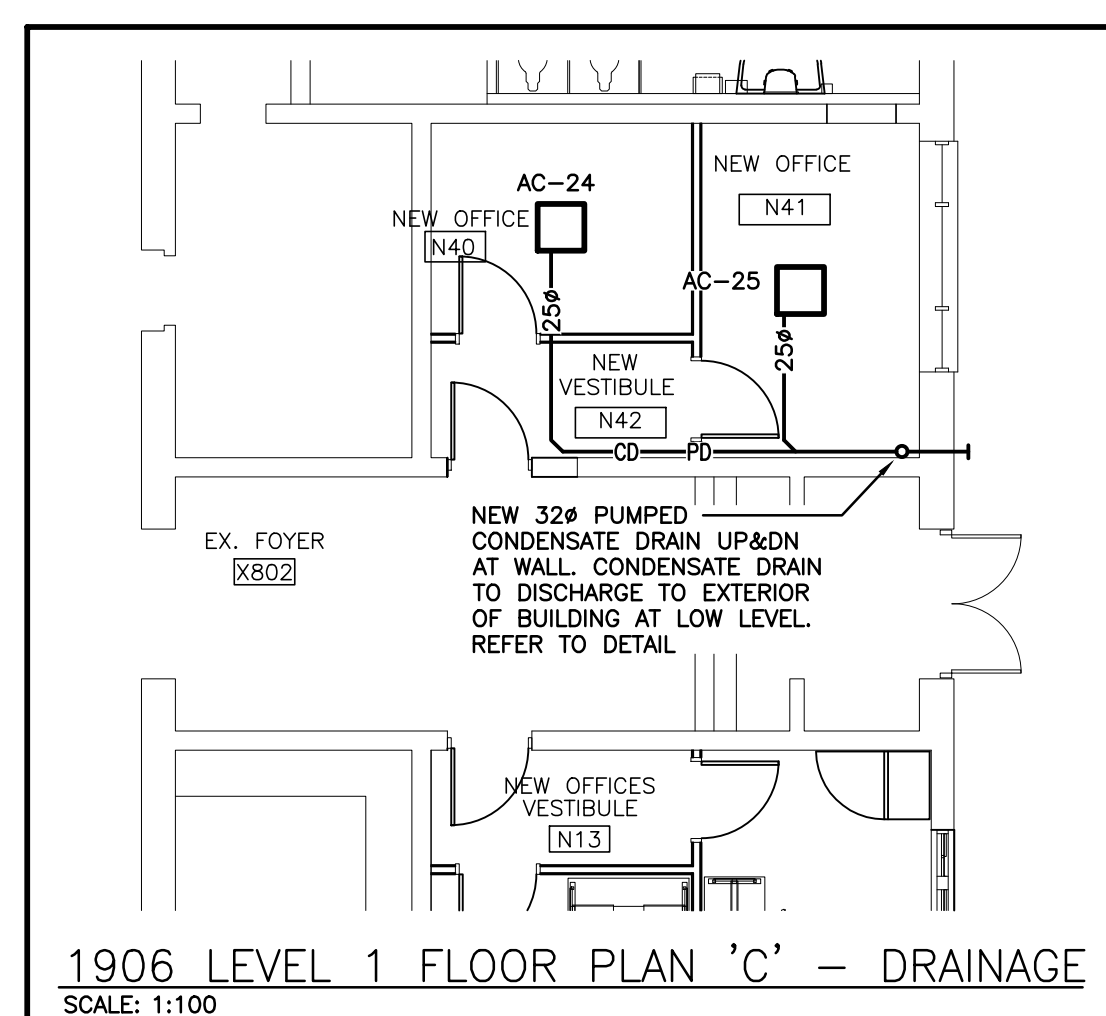
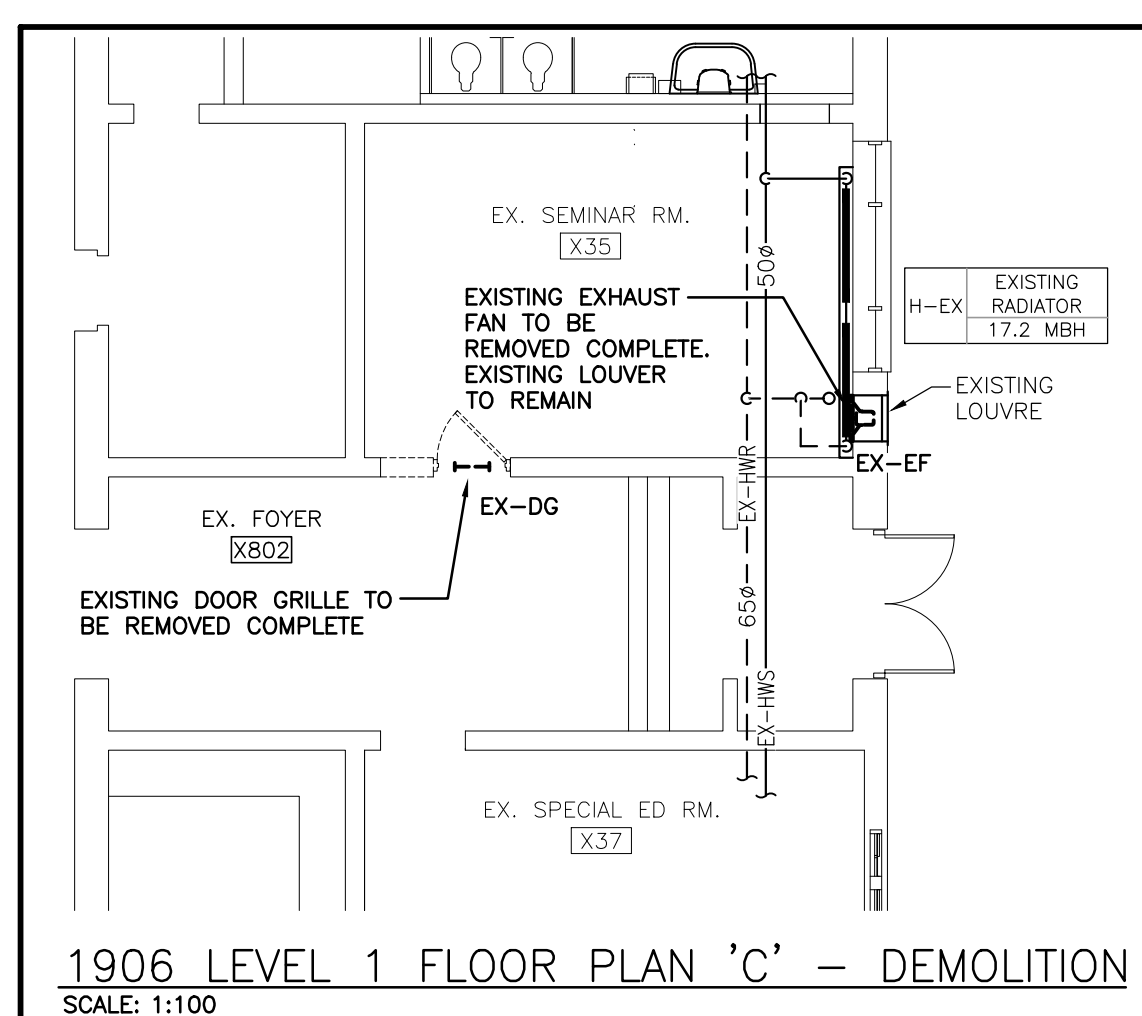
**DEI**  
Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,  
Waterloo, ON, N4L 1B8  
Phone: 519-735-9355  
Website: deiasociates.ca  
Project Number: 22064

**CLIENT**  
WATERLOO REGION DISTRICT  
SCHOOL BOARD, 51 ARDELT  
AVENUE, KITCHENER, ONTARIO,  
N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR  
ADDITION  
709 KING STREET WEST,  
KITCHENER, ON  
N2G 1E3

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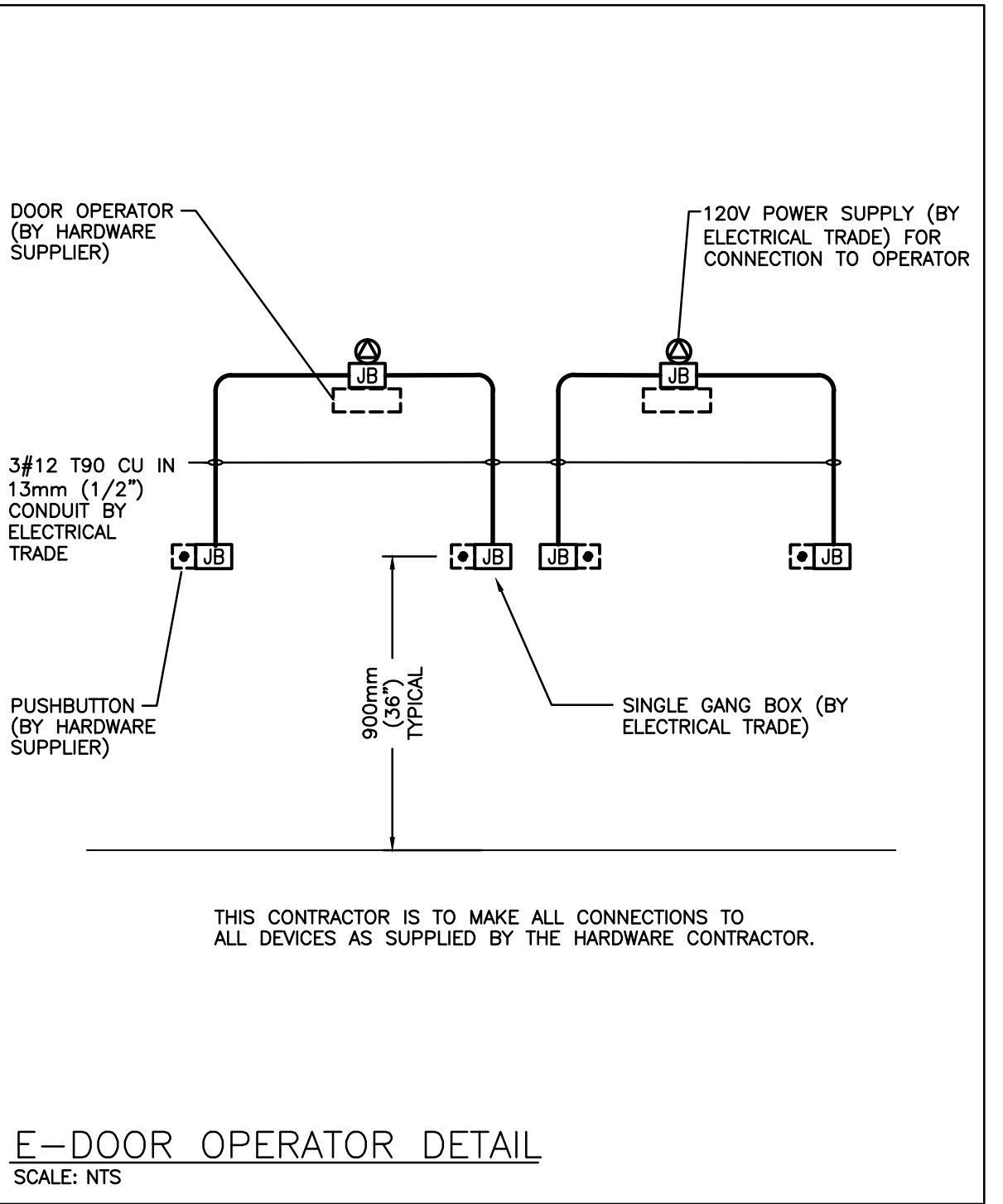
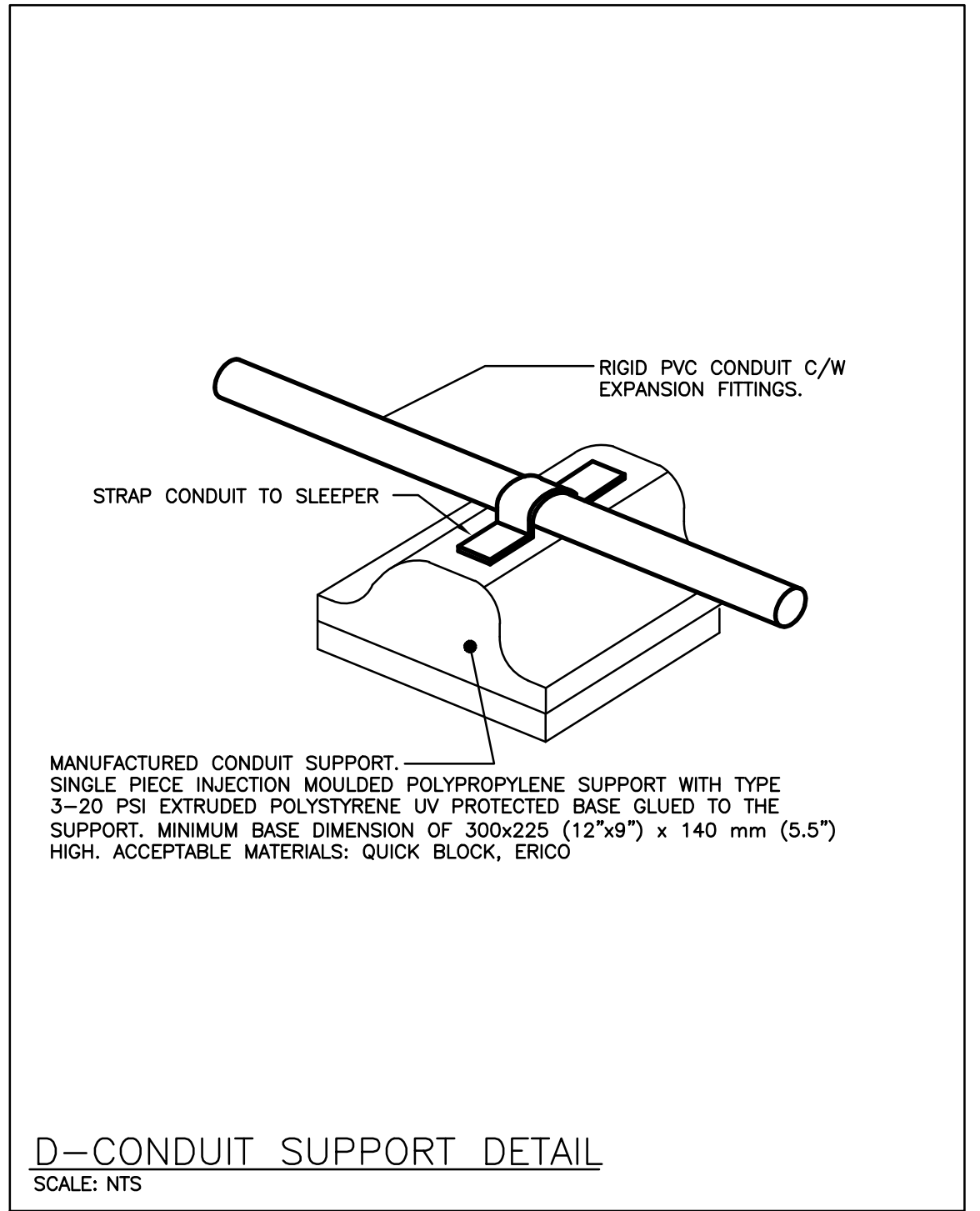
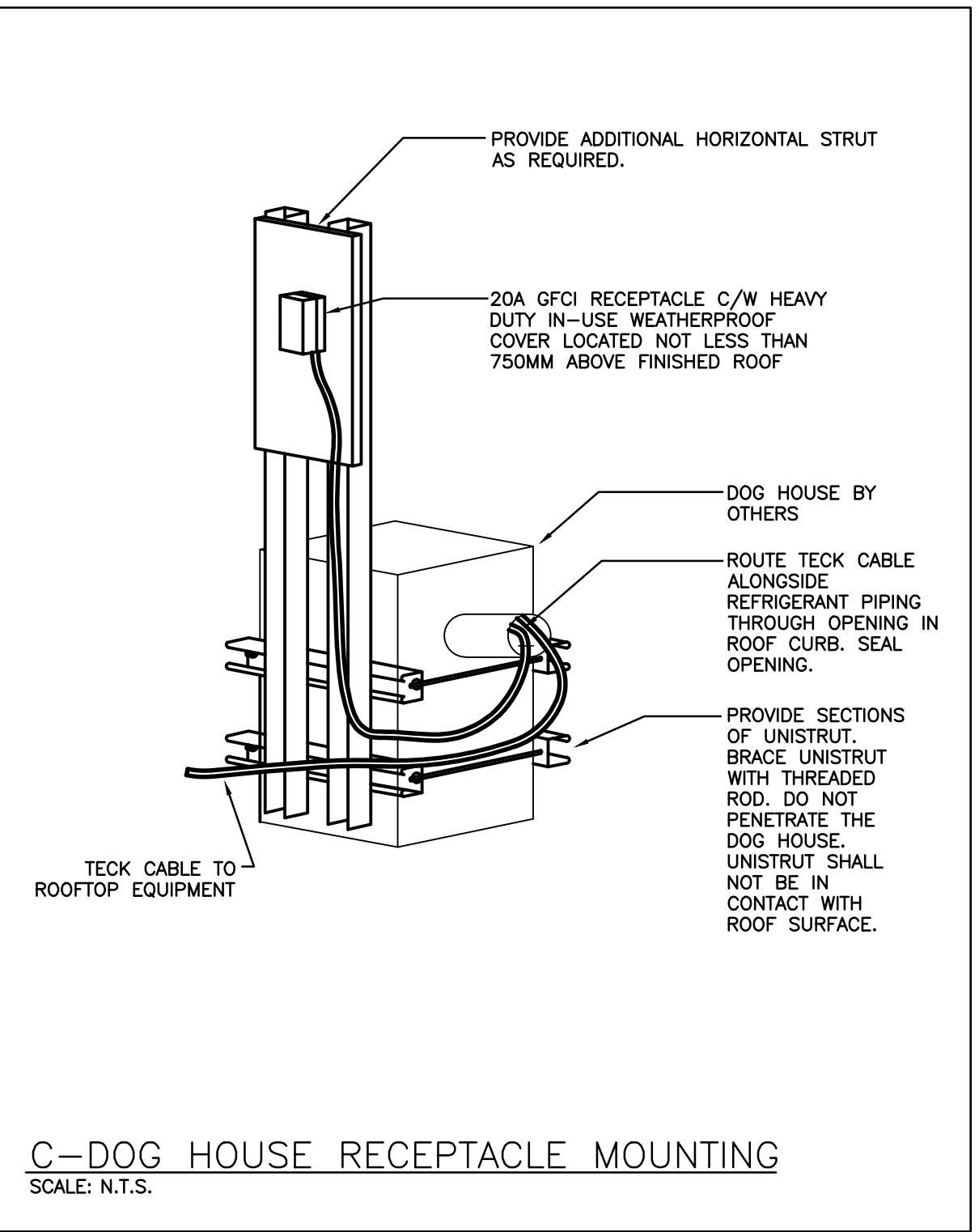
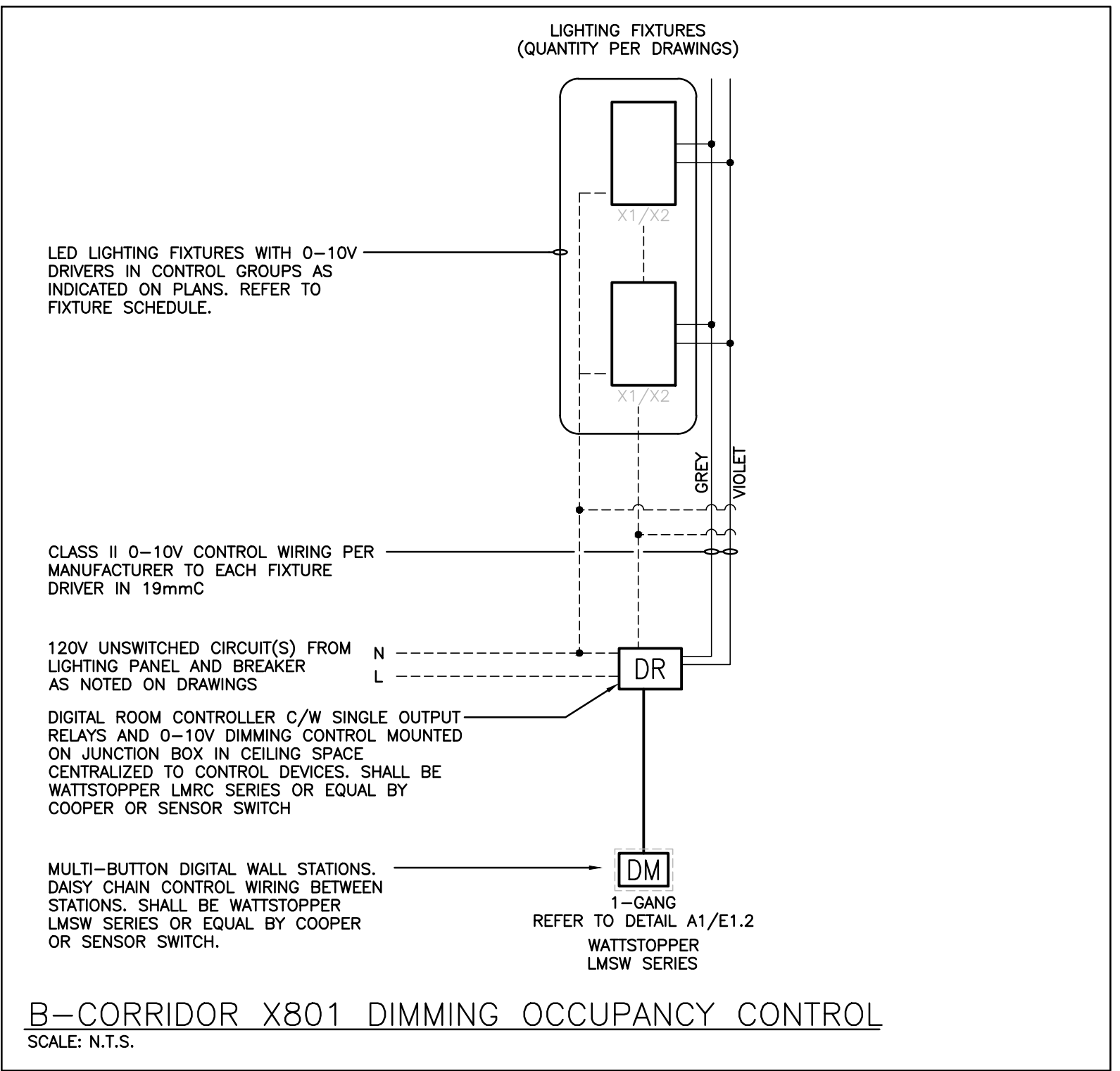
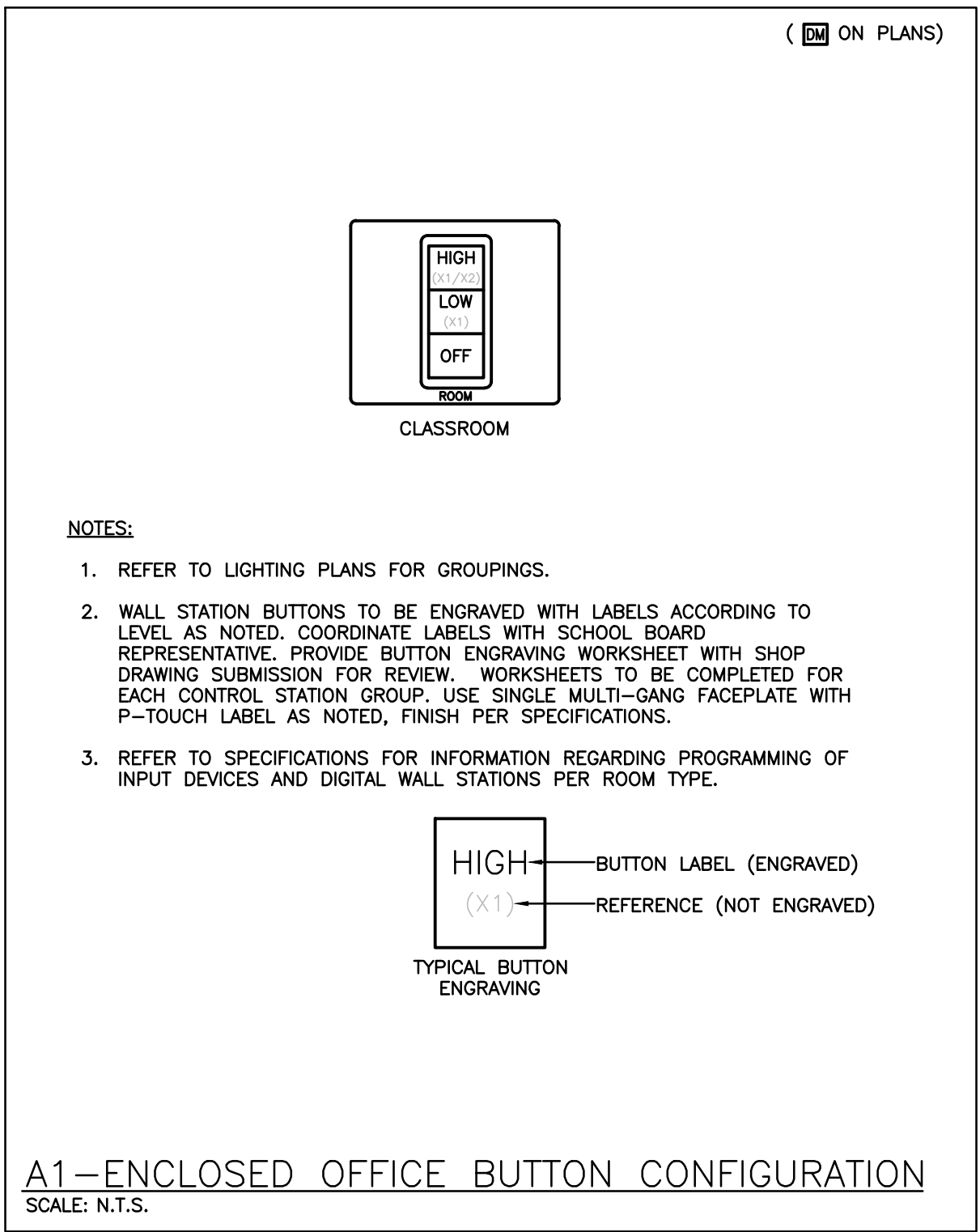
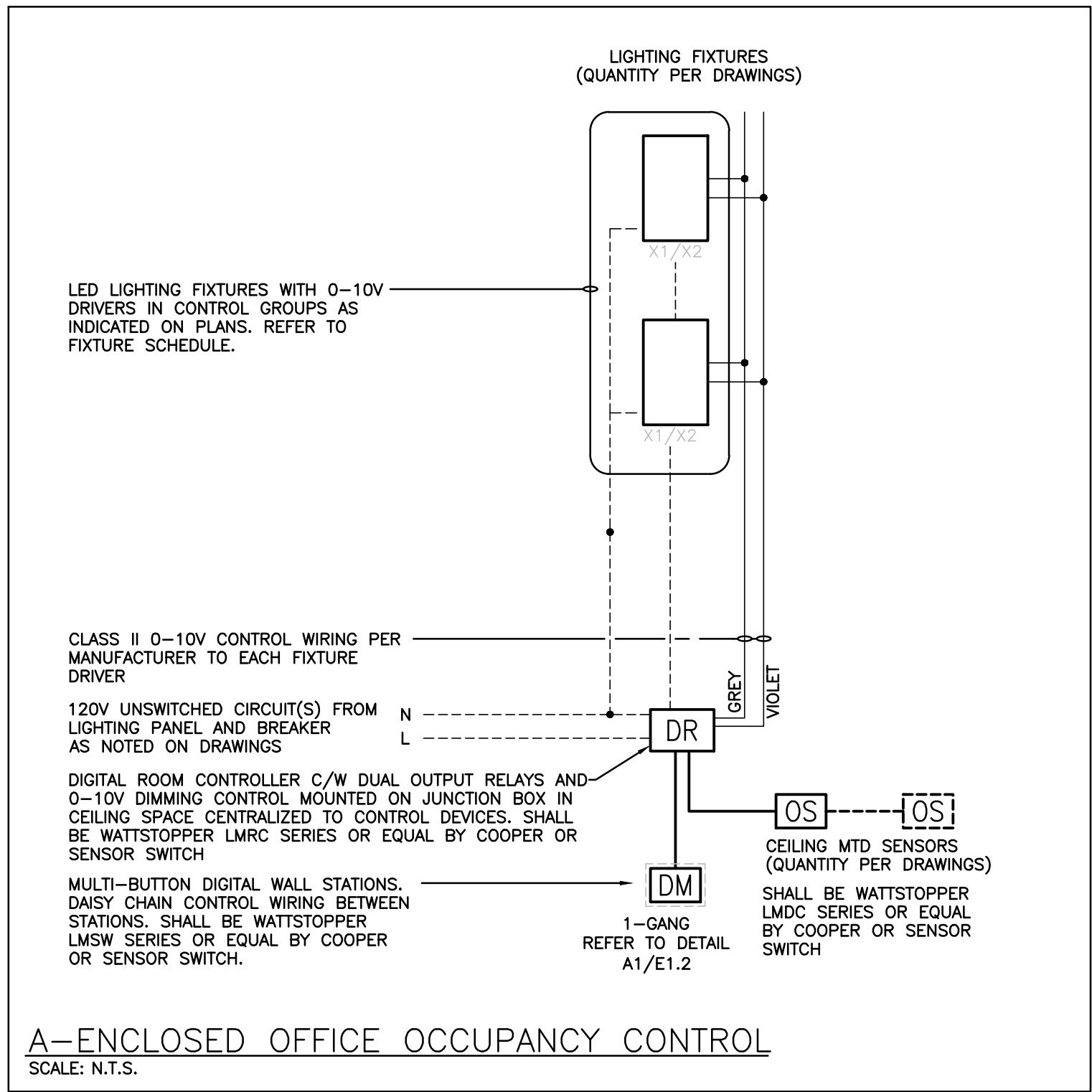
LICENSED PROFESSIONAL ENGINEER  
4 Apr 23  
M.B. WHITE  
100149074  
PROVINCE OF ONTARIO

KEY PLAN, PART DEMO AND RENO PLANS (CASH ALLOWANCE)

M1.8

DRAWN BY: MB CHECKED BY: SO





Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description
B	COOPER CAT. #4-SNLED-LD5-47SL-LW-UNV-LB40-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #ZLN IN SERIES SIGNIFY CAT. #FSS45LB40-UNV-DIM / FSSWG4 / FR-126	120V	41W LED 4900lm 4000K	SUSPENDED /SURFACE	4'(1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION. CHAIN SUSPENSION KIT AND WIRE GUARD.
C	COOPER CAT. #HC6-1500-DO10-HM6-0525-840-61-MD-H GOTHAM CAT. #EVO6-40/15-AR-WD-LSS-INVOLT-GZ1-TRW ELITE CAT. #HH6-LED-1500L-DIM10-INVOLT-WD-40K-90-HH6-6501-CL-WH	120V	15W LED 1500lm 4000K	RECESSED	6" (150mm) POTLIGHT C/W 0-10V DIMMING DRIVER, SEMI-SPECULAR CLEAR REFLECTOR, WHITE POLYMER TRIM RING AND CUSTOM FINISH TO BE SELECTED BY ARCHITECT.
L	LITHONIA CAT. #2BLT4-4CL-ADP-GZ1-LP840 COOPER CAT. #24CZ2-40-UNV-LB40-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DIM10-INVOLT-40K-85	120V	32W LED 4000lm 4000K	RECESSED	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER.
L1	LITHONIA CAT. #2BLT4-30L-ADP-GZ1-LP840 COOPER CAT. #24CZ2-30-UNV-LB40-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DIM10-INVOLT-40K-85	120V	22W LED 3000lm 4000K	RECESSED	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER.
L2	LITHONIA CAT. #2BLT4-48L-ADP-GZ1-LP840 C/W 2X4SMKSH COOPER CAT. #24CZ2-50-UNV-LB40-CD-1 C/W SK-24-WS ELITE CAT. #24-OVHP-LED-5000L-DIM10-INVOLT-40K-85 C/W 24-OVHP-LED-SMK	120V	36W LED 4800lm 4000K	SURFACE	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS, 0-10V DIMMING DRIVER AND SURFACE MOUNT KIT.
EMERG. BATT.	BEGHELLI TEMPESTA SERIES: EM-3 #TA-LED-EM-120-5-90SP (SURFACE CEILING MOUNT) OR APPROVED EQUALS BY: STANPRO AIMLIGHT CAT. #VP1 SERIES	120V	N/A	SURFACE	VANDAL RESISTANT LONG LIFE, SEALED BATTERY, C/W 17W LED MODULES, POLYCARBONATE BODY AND 90 MINUTE BATTERY DURATION.
COMBO UNIT	BEGHELLI CAT. EM-1 #QR1236L1MBTR2SRMOLR EM-2 #QR1272L1MBTR2SRMOLR STANPRO CAT. EM-1#PRML123602S4LR EM-2#PRML127202S4LR AIMLITE CAT. EM-1#CARP1236LU2MDWHT EM-2#CARP1272LU2MDWHT	12V/120V	LED 4W MR16	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 63mm (2.5") THICKNESS AND 12V INTERNAL SEALED RECHARGEABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH VARIABLE LIGHT PATTERN, WHITE COLOUR, AND 360° ROTATION. UNIT SHALL OPERATE ON 12V. WHERE NOTED UNIT SHALL BE C/W WIREGUARD.

NOTES:  
 ① FOR INFORMATION REGARDING DRIVER AND LENS INFORMATION REFER TO SPECIFICATION.  
 ② LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.  
 ③ WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.  
 ④ IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THIS TO THE ELECTRICAL CONSULTANTS ATTENTION PRIOR TO SHOP DRAWING REVIEW.

Space Type	Room Names	Control Sequence / Control Device(s)	Control System
Corridor	TYPICAL	Sequence: MANUAL ON: Lights turned on manually via dimming station. MANUAL OFF: Lights turned off manually via dimming station.	DIGITAL ROOM CONTROL SYSTEM
Enclosed Offices	TYPICAL	Sequence: ON: Lights turned on manually via wall station(s). ADJUST: The occupant manually adjusts lighting within the room to desired level or preset in each group via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off.	DIGITAL ROOM CONTROL SYSTEM

**SYSTEM DESCRIPTIONS:**

**DIGITAL ROOM CONTROL (DLM) SYSTEM**  
DIGITAL ROOM CONTROL RELAY POWER PACKS C/W PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.

**LINE VOLTAGE OCCUPANCY CONTROL SYSTEM**  
LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.  
REFER TO SPECIFICATIONS.

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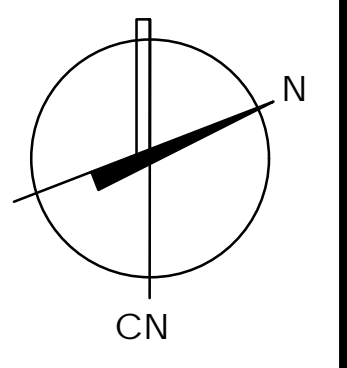
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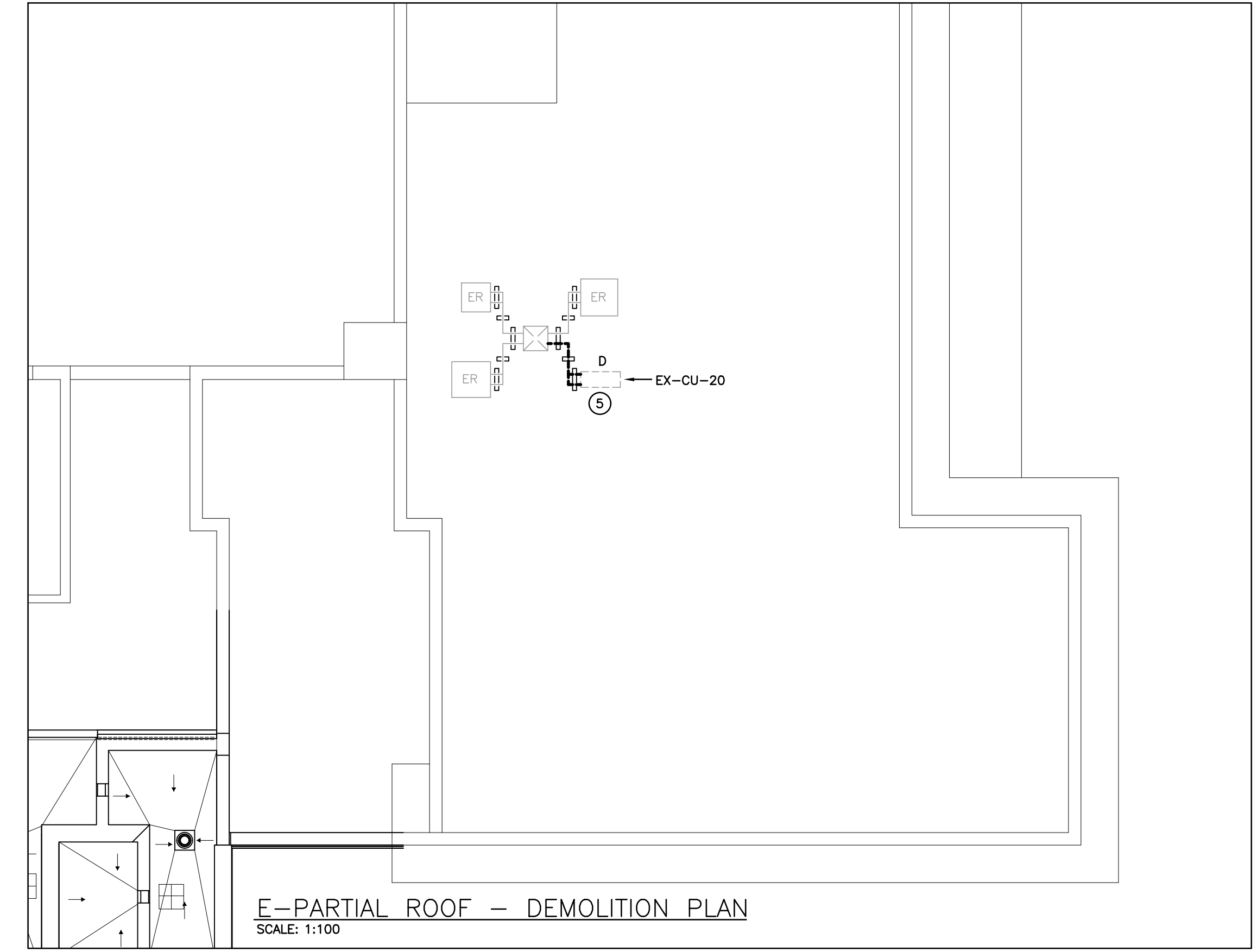
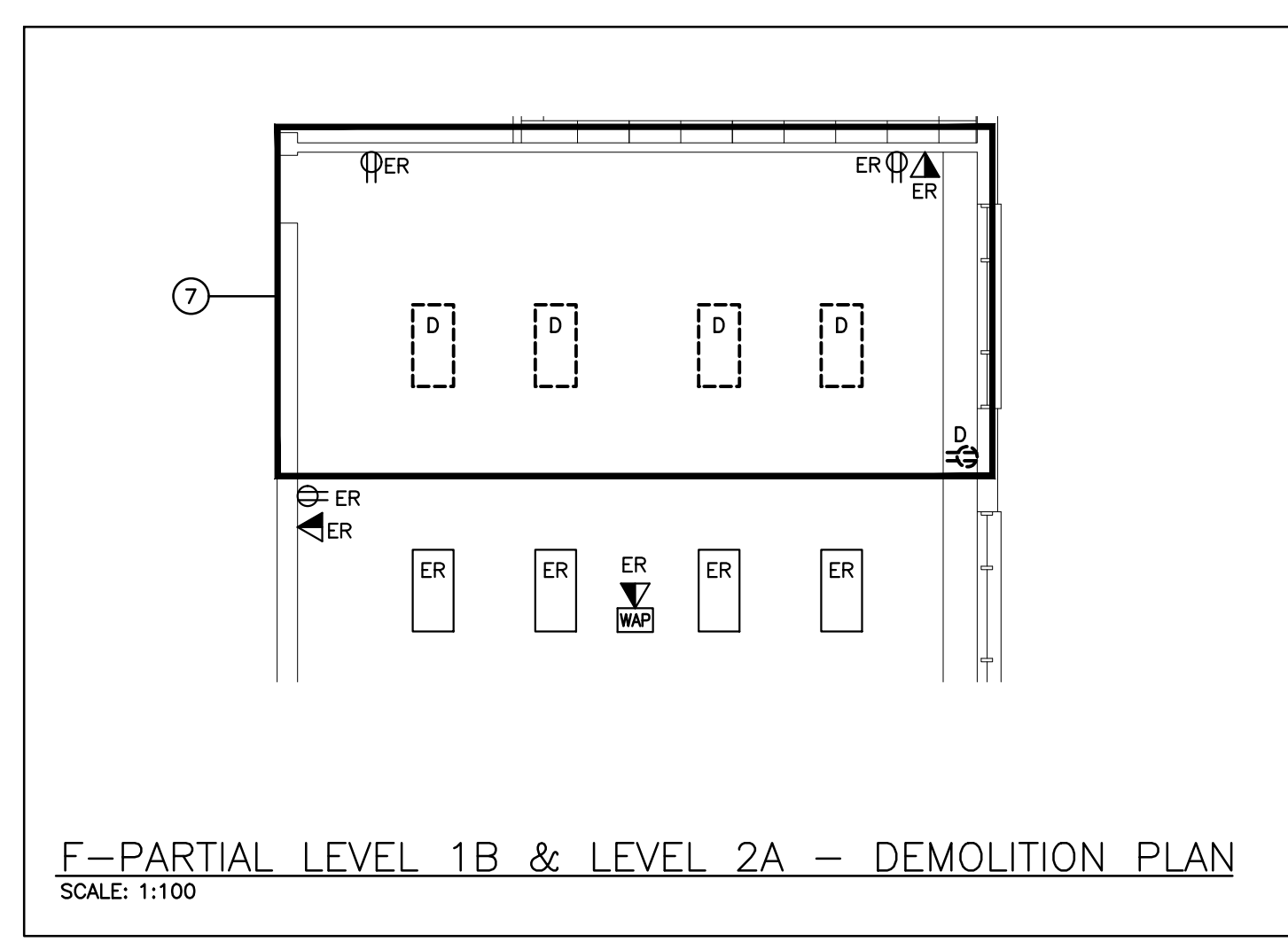
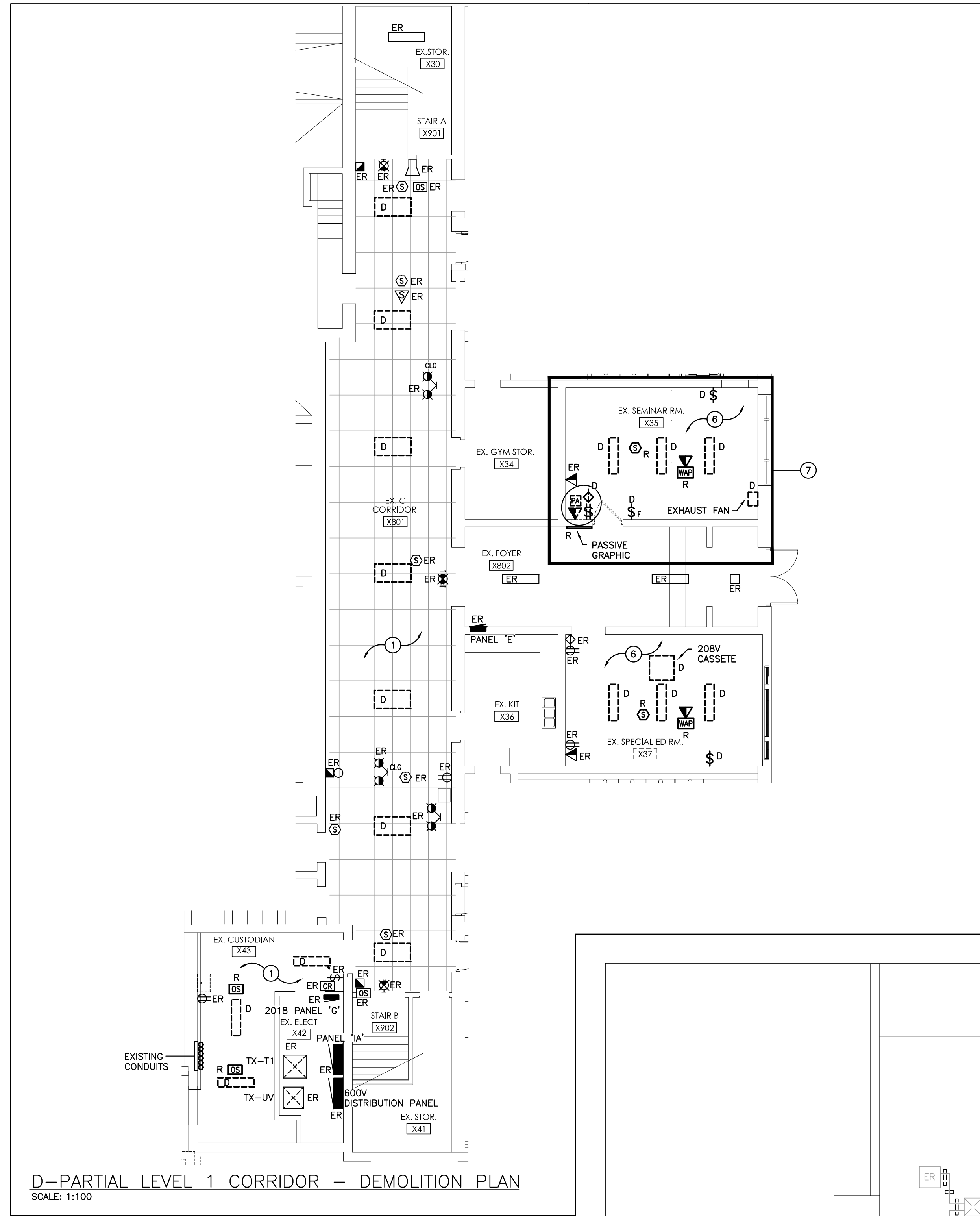
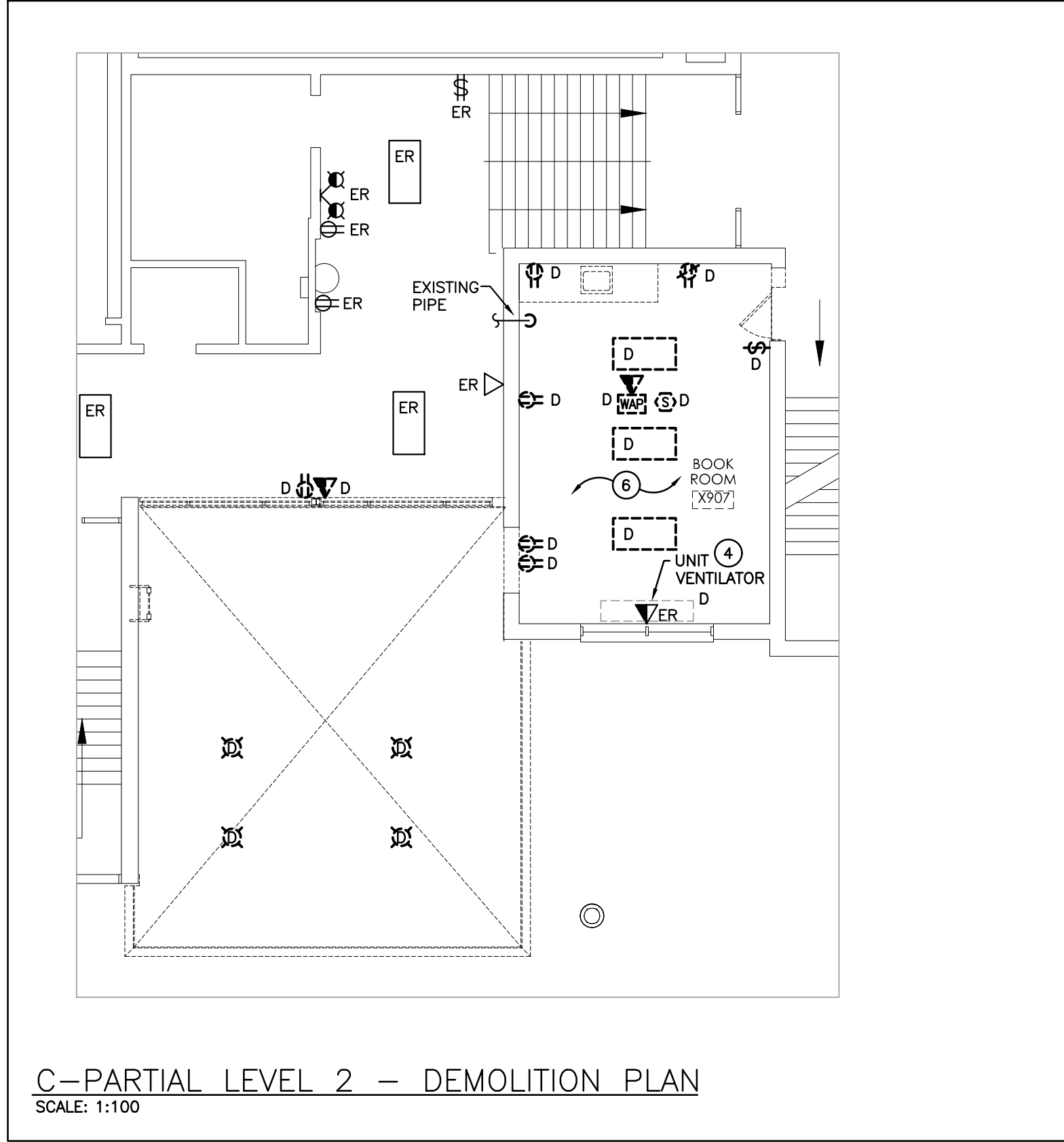
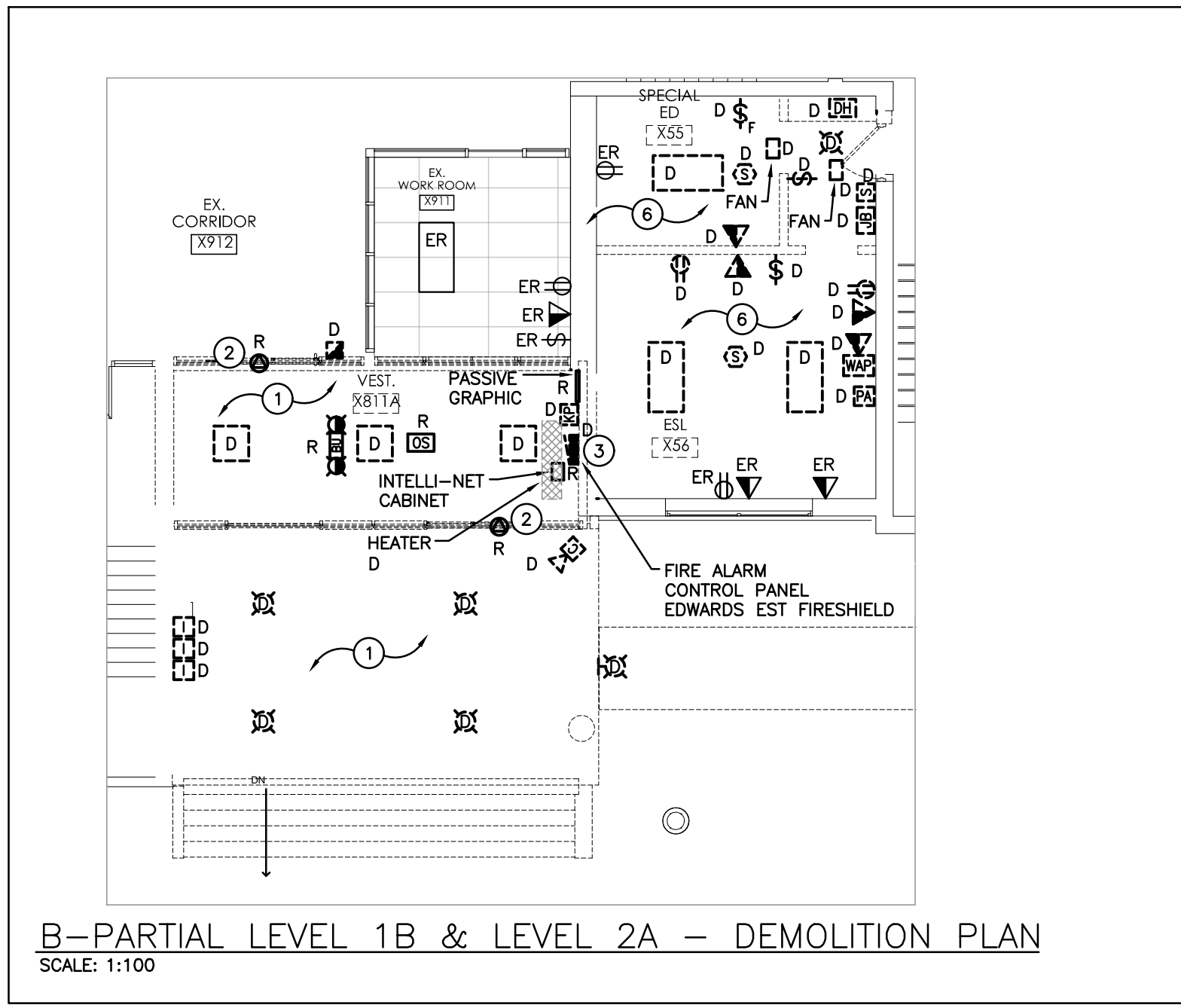
**PROJECT:**  
 22059  
 KING EDWARD PS ELEVATOR ADDITION  
 709 KING STREET WEST, KITCHENER, ON N2G 1E3

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E1.2

All dimensions and measurements must be checked and verified by the General Contractor. Preparation of drawings and placement of components shall be in accordance with the Venti Group. DETAILS AND SCHEDULES



**GENERAL DEMOLITION NOTES**

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

**SPECIFIC DEMOLITION NOTES**

- 1 LIGHTING FIXTURES WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS AND LIGHTING CONTROLS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION PLANS.
- 2 INDICATES DOOR OPERATOR CONNECTION AND ANY ASSOCIATED AUXILIARY DEVICES TO BE RELOCATED TO NEW ENTRANCE AS SHOWN ON RENOVATION PLANS. MAINTAIN AND EXTEND WIRING FOR RECONNECTION TO NEW LOCATION.
- 3 INDICATES EXISTING FIRE ALARM CONTROL PANEL TO BE DEMOLISHED. ELECTRICAL CONTRACTOR IS TO EXTEND/RE-ROUTE ALL EXISTING FEEDS TO SUIT TEMPORARY AND NEW LOCATIONS OF NEW FIRE ALARM CONTROL PANEL AS SHOWN ON RENOVATION. PROVIDE VERIFICATION OF ALL DEVICES PER SPECIFICATIONS. RETAIN EXISTING PANEL FOR INSTALLATION AT TEMPORARY LOCATION AS NECESSARY.
- 4 INDICATES MECHANICAL EQUIPMENT BEING REMOVED BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE DEVICE AS SPARE.
- 5 INDICATES MECHANICAL EQUIPMENT BEING REPLACED WITH NEW BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND RE-CONNECT EXISTING FEEDER TO NEW DEVICE. REFER TO RENOVATION PLANS FOR CONTINUATION.
- 6 LIGHTING FIXTURES AND CONTROLS WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION PLANS.
- 7 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.

REVISIONS		
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**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

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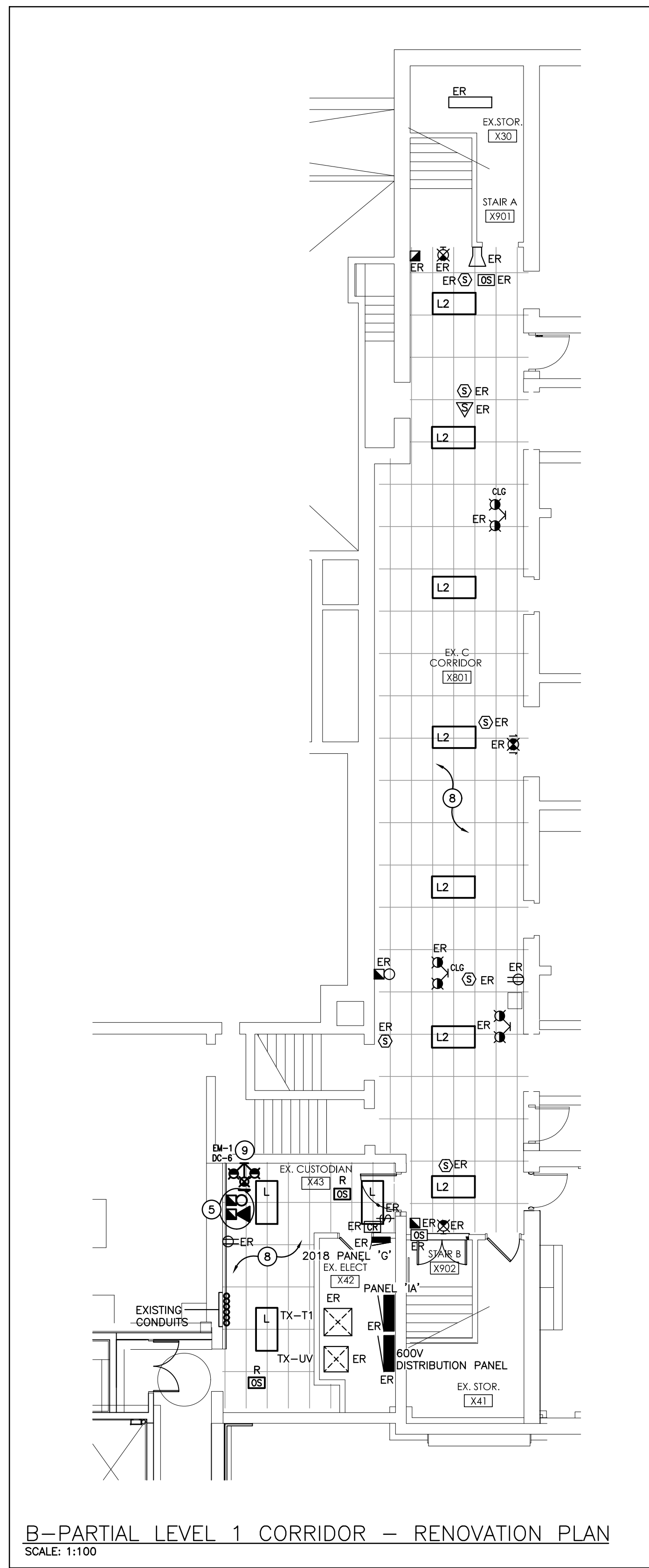
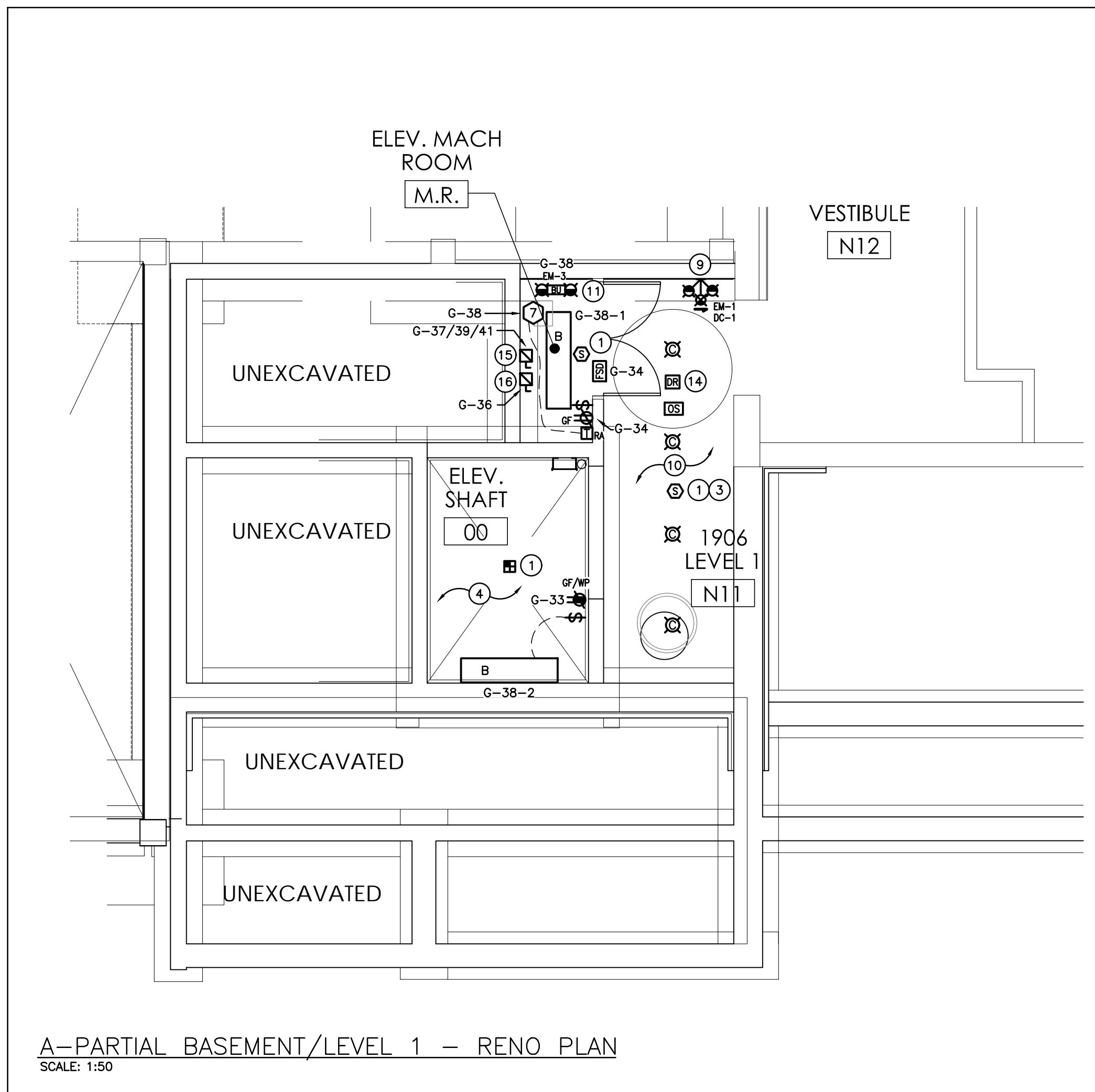
PROFESSIONAL ENGINEER  
L. JACKSON  
100011324  
4/4/23  
PROVINCE OF ONTARIO

**DEMOLITION PLANS**

**E2.1**

All dimensions and measurements must be checked in whole or in part, and verified by the General Contractor.





**GENERAL RENOVATION NOTES**

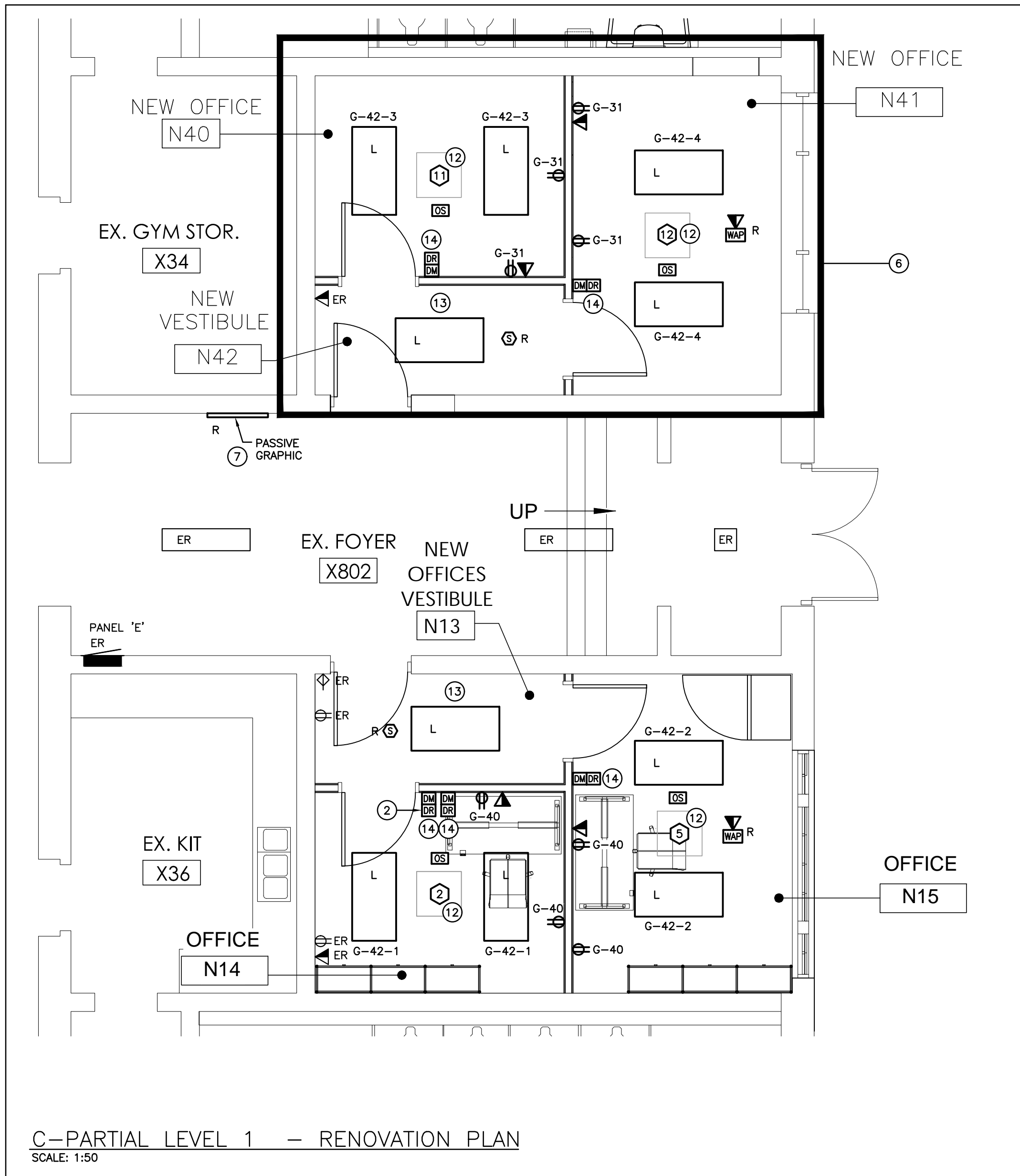
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

**SPECIFIC RENOVATION NOTES**

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- 2 INDICATES DIMMER SWITCH FOR CONTROL OF NEW LIGHTING WITHIN EXISTING CORRIDOR X801. PROVIDE LAMICOID LABEL FOR SWITCH.
- 3 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- 4 INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT PIT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- 5 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 6 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- 7 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING PASSIVE GRAPHIC WITH UPDATED TO SUIT NEW LAYOUT.
- 8 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND LIGHTING CONTROLS.
- 9 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN 21mmC.
- 13 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 14 INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 15 INDICATES FUSED DISCONNECT (C/W TWO SETS OF AUXILIARY CONTACTS) FOR ELEVATOR CONTROLLER. REFER TO DISTRIBUTION RISER DIAGRAM FOR ADDITIONAL INFORMATION COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 16 INDICATES 30A SINGLE POLE FUSIBLE DISCONNECT C/W 15A CLASS J FUSE FOR ELEVATOR CAB LIGHTING. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.



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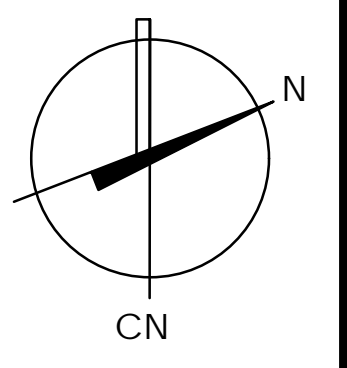
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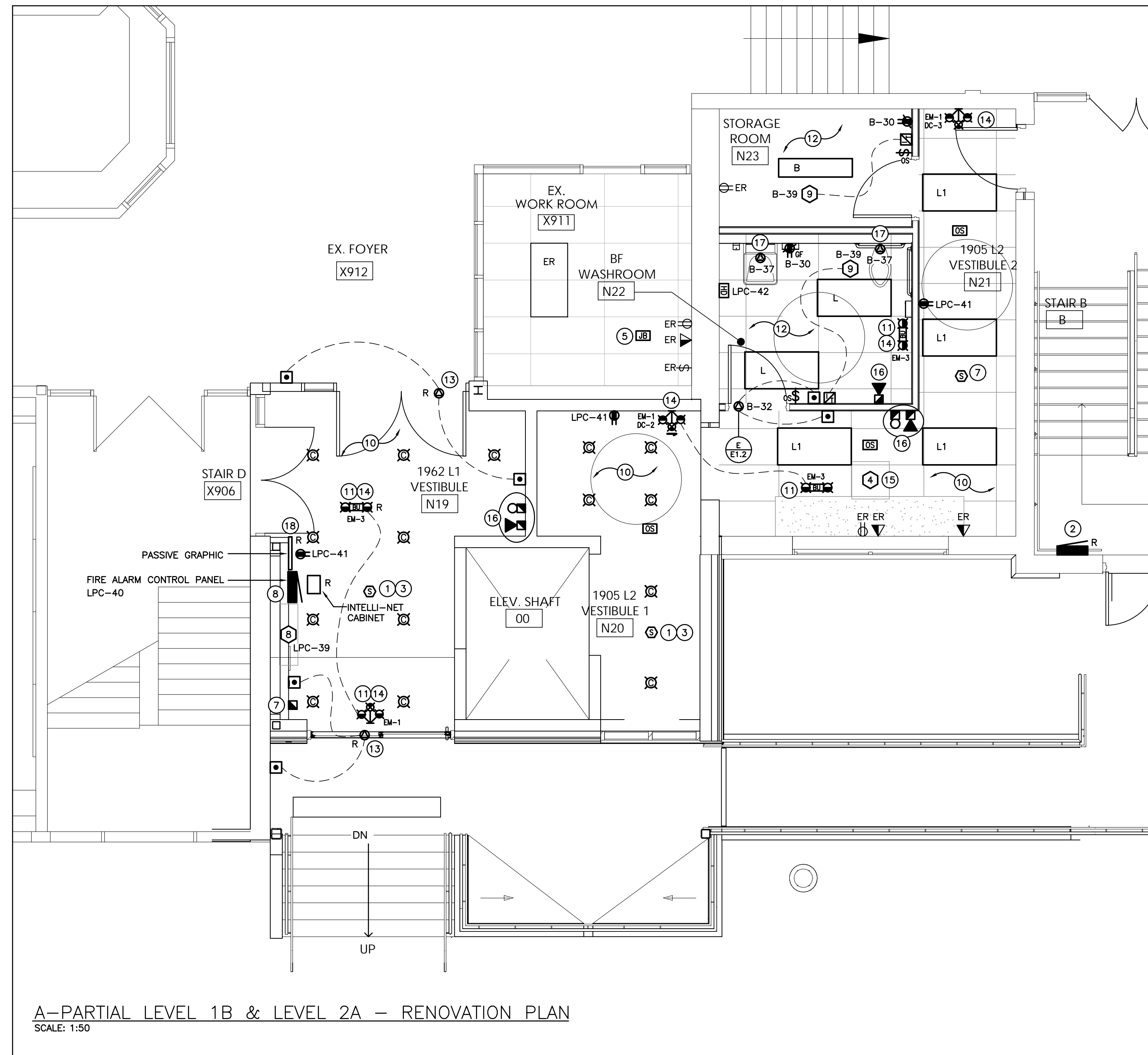
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709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

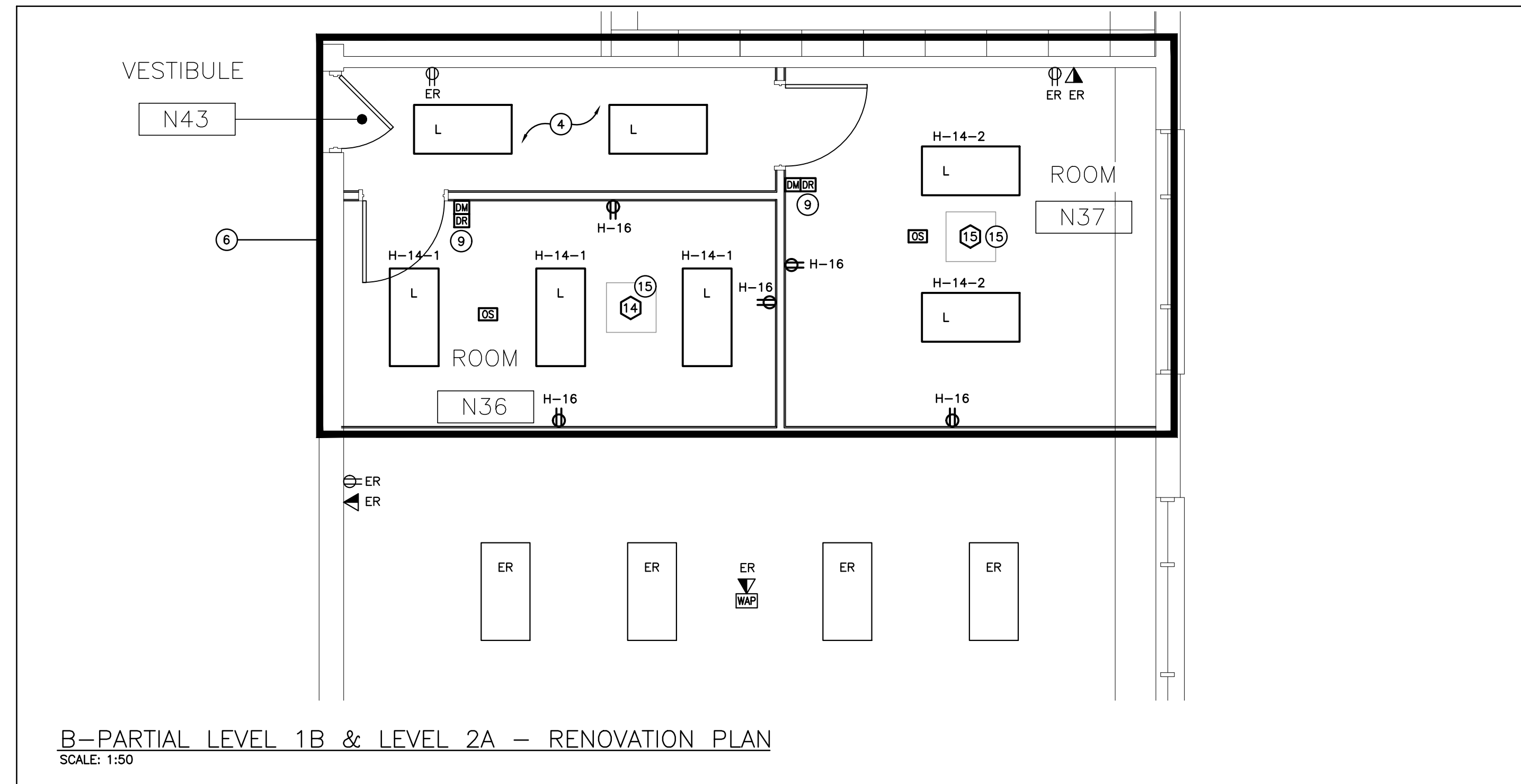


RENOVATION PLANS

E3.1



A-PARTIAL LEVEL 1B & LEVEL 2A - RENOVATION PLAN  
SCALE: 1:50



B-PARTIAL LEVEL 1B & LEVEL 2A - RENOVATION PLAN  
SCALE: 1:50

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

SPECIFIC RENOVATION NOTES

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- 2 INDICATES TEMPORARY LOCATION FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM DEMO AREA. WIRE NEW FIRE ALARM ZONES THROUGH PATHWAY OF RE-ROUTED EXISTING ZONE WIRING TO TEMPORARY LOCATION TO ALLOW FOR TERMINATION AT FINAL LOCATION.
- 3 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- 4 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND LIGHTING CONTROLS.
- 5 INDICATES 10"x10" JUNCTION BOX WITHIN ACCESSIBLE CEILING SPACE COMPLETE WITH WIRE TERMINAL BLOCKS FOR RECONNECTING FIRE ALARM ZONES TO NEW FIRE ALARM CONTROL PANEL LOCATION.
- 6 WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- 7 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 8 INDICATES FINAL LOCATION OF FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM TEMPORARY DEMO AREA. COORDINATE INSTALLATION OF OLD/NEW PANEL WITH CONNECTION OF NEW ZONES.
- 9 INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 13 RECONNECT DOOR OPERATOR AND ANY ASSOCIATED AUXILIARY DEVICES MADE AVAILABLE DURING DEMOLITION.
- 14 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 15 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN 21mmC.
- 16 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 17 INDICATES 120V FEED TO STEP DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.

REVISIONS		
NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/06/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

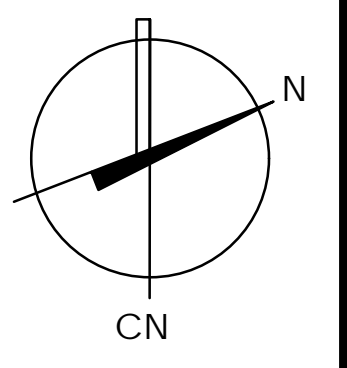
NOTES:  
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The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.  
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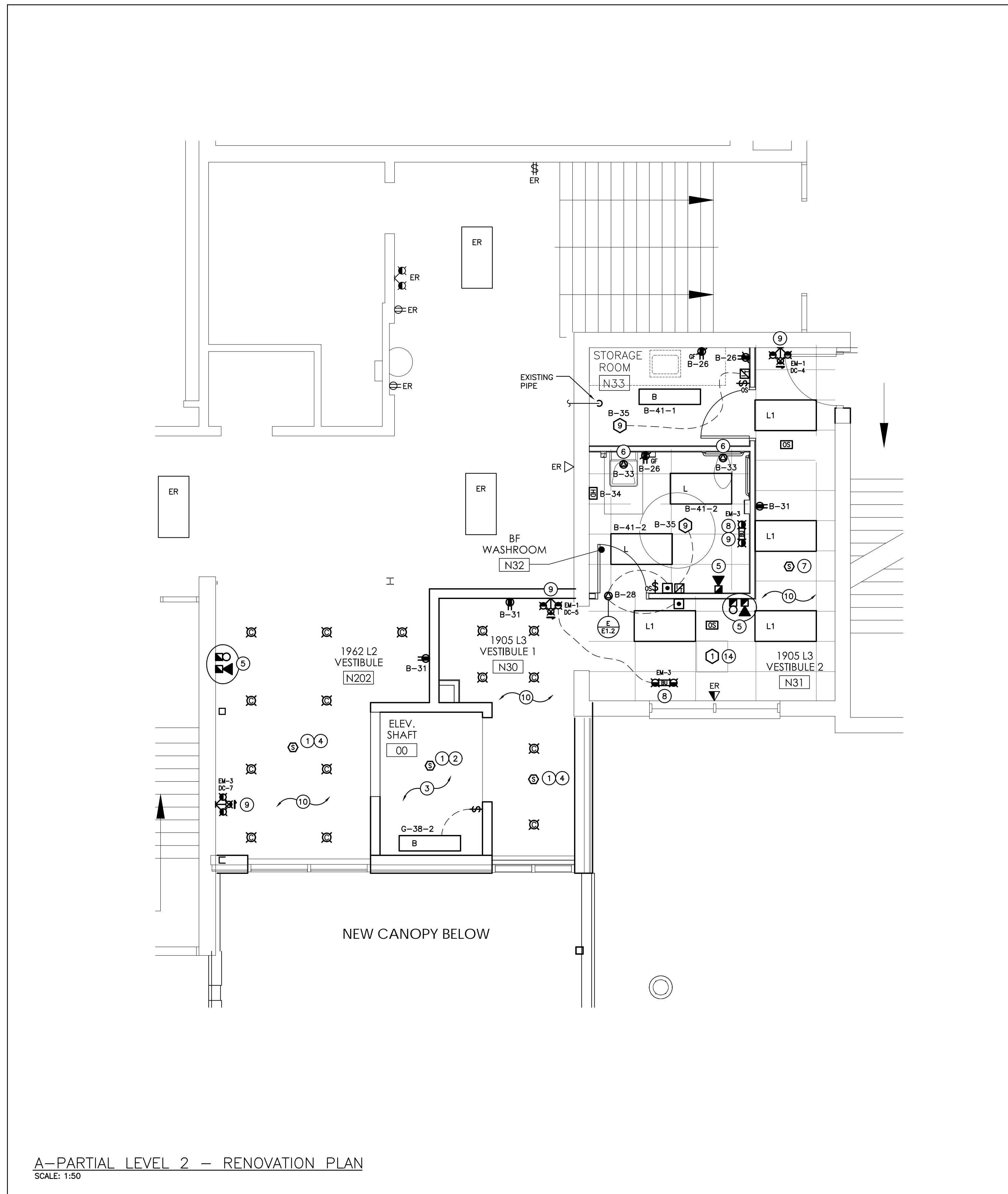
CLIENT  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



RENOVATION PLANS  
All dimensions and measurements must be checked in the field and verified by the General Contractor.  
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A-PARTIAL LEVEL 2 - RENOVATION PLAN  
SCALE: 1:50

**GENERAL RENOVATION NOTES**

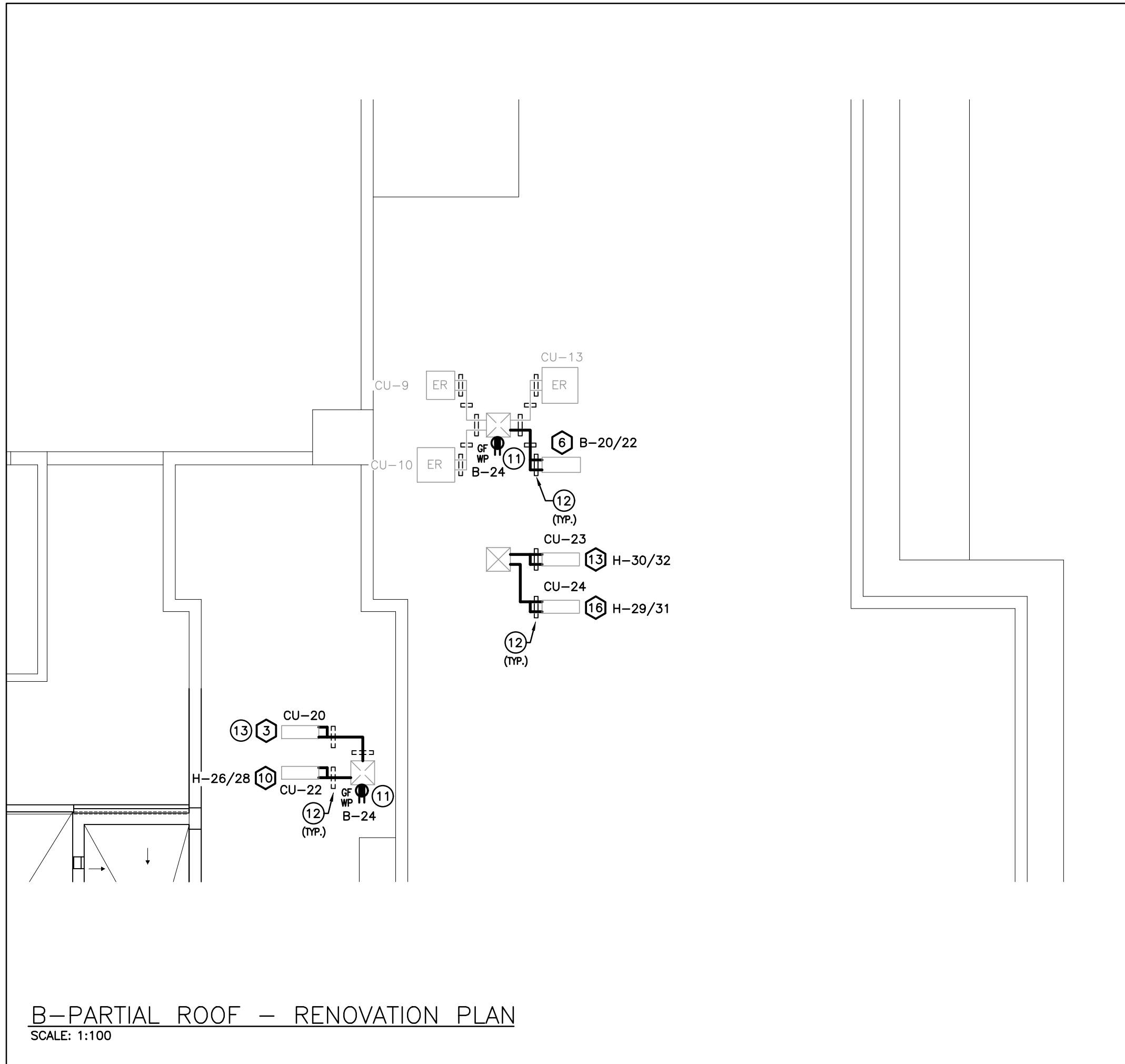
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

**SPECIFIC RENOVATION NOTES**

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- 2 INDICATED SMOKE DETECTOR TO BE INSTALLED AT TOP OF SHAFT.
- 3 INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT SHAFT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- 4 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- 5 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 6 INDICATES 120V FEED TO STEP-DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- 7 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- 8 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 9 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL. REFER TO DETAIL C/E1.2.
- 12 INDICATES MECHANICAL ELECTRICAL FEEDERS TO CONDENSING UNIT. PROVIDE CONDUIT SUPPORT AS PER DETAIL D/E1.2.
- 13 INDICATES REPLACEMENT HVAC EQUIPMENT WITH MATCHING ELECTRICAL REQUIREMENTS TO BE CONNECTED TO EXISTING FEEDER MADE AVAILABLE DURING DEMOLITION. EXTEND EXISTING FEEDER AS REQUIRED TO SUIT REPLACEMENT CONNECTION POINT. FOR THE PURPOSE OF BIDDING INCLUDE AN ADDITIONAL 2.0m of 3/10 IN 21mmC AS WELL AS DISCONNECTING MEANS PER EQUIPMENT WIRING SCHEDULE.
- 14 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE. FEED WITH 3/12 T90 CU IN 21mmC.



B-PARTIAL ROOF - RENOVATION PLAN  
SCALE: 1:100

REVISIONS		
NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/08/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

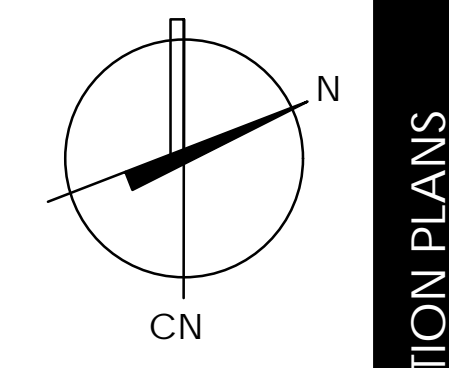
**NOTES:**  
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**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

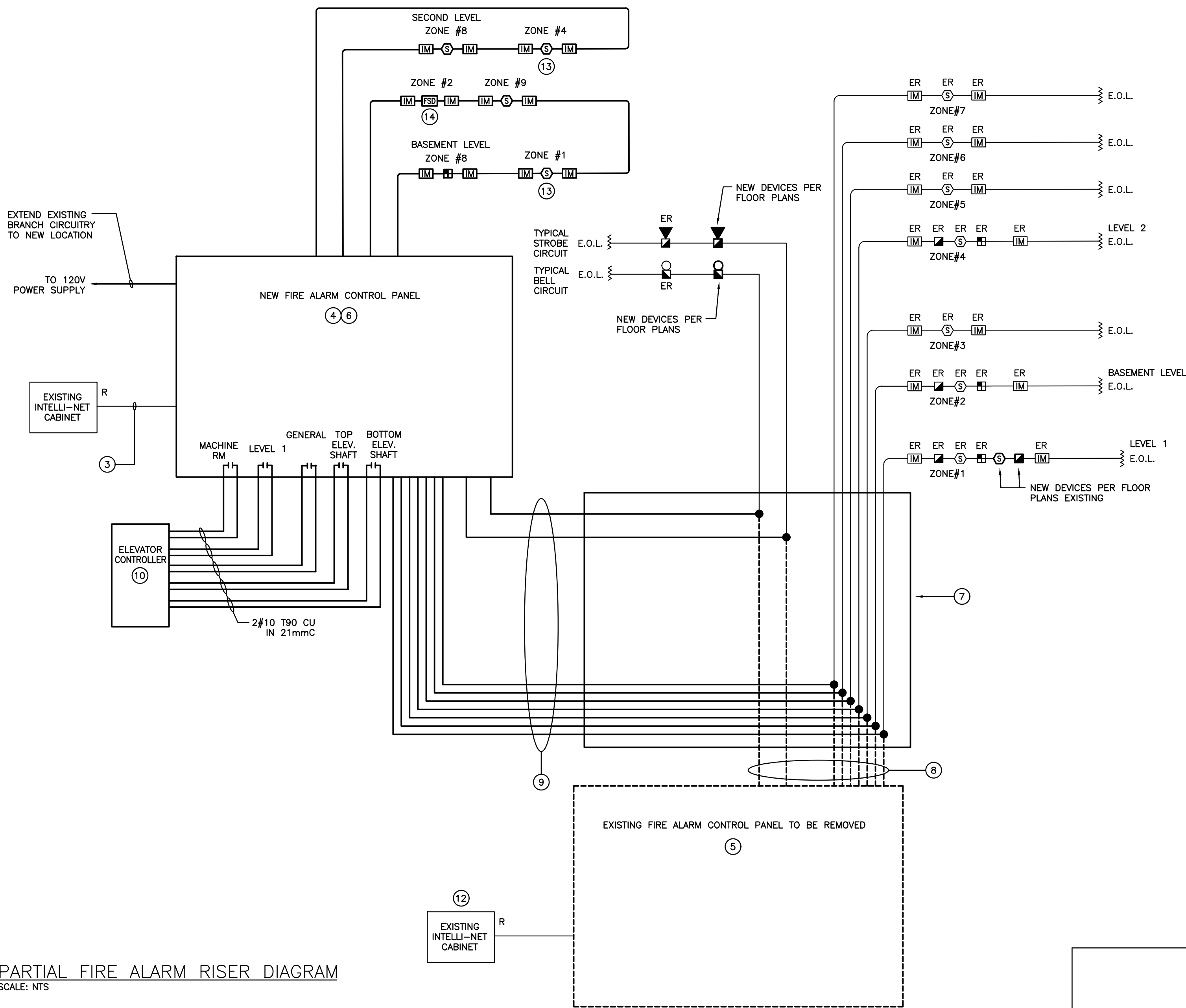
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All dimensions and measurements must be checked and verified by the General Contractor.

RENOVATION PLANS





PARTIAL FIRE ALARM RISER DIAGRAM  
SCALE: NTS

- NOTES**
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.
  - CONTRACTOR IS TO CONFIRM WIRE SIZE (BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS) FOR SIGNAL CIRCUIT WITH MANUFACTURER.
  - RECONNECT TO EXISTING INTELLI-NET CABINET (ULC MONITORING).
  - PROVIDE WITHIN CONTROL PANEL ADDITIONAL CONTACTS FOR "FIRE ALARM SYSTEM TROUBLE" AND "FIRE ALARM SYSTEM ACTIVATED" CONDITION AND CO-ORDINATE WITH CONTROLS CONTRACTOR TO COMPLETE CONNECTION/INTERFACE OF THESE SYSTEMS.
  - EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL SHALL BE DISCONNECTED AND REMOVED COMPLETE. ALL EXISTING INITIATING / SIGNAL WIRING IS TO REMAIN AND BE EXTENDED TO NEW LOCATION FOR RECONNECTION TO NEW HYBRID PANEL.
  - CONTRACTOR IS RE-VERIFY ENTIRE ALARM SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - INDICATES NEW JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION OF SIGNAL AND INITIATING CIRCUIT WIRING IN ACCESSIBLE LOCATION ABOVE DEMOLISHED CONTROL PANEL.
  - EXISTING SIGNAL AND INITIATING DEVICE CIRCUITS TO BE DISCONNECTED AND TERMINATED IN ACCESSIBLE LOCATION FOR EXTENSION TO REPLACEMENT PANEL AS NOTED.
  - INDICATES EXTENDED SIGNAL AND INITIATING CIRCUIT WIRING IN CONDUIT. CONFIRM WIRING REQUIREMENTS WITH MANUFACTURER.
  - CONTACTS WITHIN THE CONTROLLER WILL BE PROVIDED BY THE ELEVATOR SUPPLIER. COORDINATE AND CONNECT ACCORDINGLY.
  - CONTRACTOR TO INCLUDE FOR UPDATES TO EXISTING PASSIVE GRAPHIC.
  - INDICATED EXISTING INTELLI-NET CABINET TO BE DISCONNECTED AND THEN RECONNECTED TO NEW FIRE ALARM CONTROL PANEL.
  - INDICATES NEW ADDRESSABLE DEVICE ON NEW ADDRESSABLE LOOP TO BE CROSS-ZONED TO RESPECTIVE EXISTING FLOOR GENERAL ZONE. DEVICES TO INITIATE ELEVATOR RECALL VIA ASSOCIATED RELAY IN REPLACEMENT CONTROL PANEL.
  - INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.

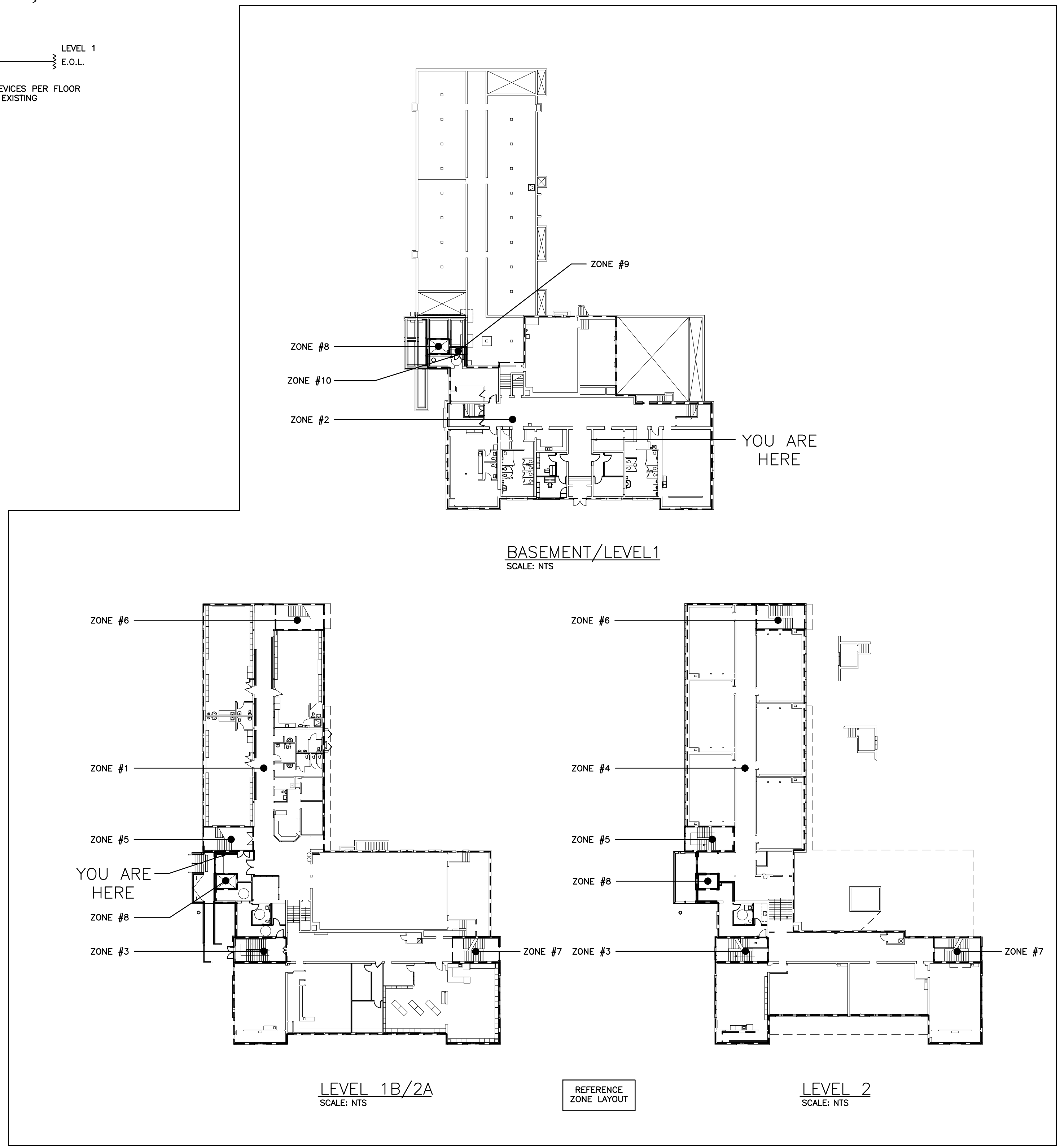
ALL EXISTING ZONES ARE NOT SHOWN ON RISER. CONFIRM WITH MANUFACTURER AND PREVIOUS ANNUAL REPORT. OBTAIN COPY OF EXISTING GRAPHIC, SUBMIT SHOP DRAWING, INCLUDE FOR INTEGRATED LIFE SAFETY TESTING PER SPECIFICATIONS.

APPROVED VENDOR FOR EDWARDS FIRE ALARM SYSTEM IS TROY LIFE & FIRE SAFETY LIMITED. REFER TO ELECTRICAL SPECIFICATIONS FOR CONTACT INFORMATION.

**PHASING OF FIRE ALARM SYSTEMS**

THE EXISTING FIRE ALARM SYSTEM MUST REMAIN IN OPERATION THROUGHOUT CONSTRUCTION OF THE NEW SYSTEM. CONTRACTOR SHALL INSTALL NEW WIRING FOR ALL REPLACEMENT DEVICES TO ACCESSIBLE LOCATION FOR FINAL SWITCHOVER TO NEW DEVICE UPON REMOVAL OF EXISTING. PERFORM VERIFICATION IN STAGES WHICH WILL ALLOW FOR MINIMAL DOWNTIME DURING SWITCHOVER. INCLUDE FOR MULTIPLE VERIFICATIONS AS NECESSARY. FIRE WATCH SHALL BE PROVIDED WHENEVER PROTECTION IS NOT ABLE TO BE MAINTAINED. INCLUDE IN CONTRACT FOR INTERCONNECTION BETWEEN THE NEW AND EXISTING SYSTEMS DURING SWITCHOVER. MAINTAIN EXISTING MONITORING UNTIL SUCH TIME AS NEW MONITORING IS IN PLACE. THE CONTRACTOR IS TO INCLUDE IN THE TENDER THE PROVISION AND INSTALLATION OF ADDITIONAL FIRE ALARM DEVICES NOT INDICATED ON THIS DRAWING. REFER TO SPECIFICATIONS.

FIRE ALARM ANNUNCIATOR SCHEDULE										
Zone	Description	Alarm	Supervisory	Existing	New	Zone	Description	Alarm	Supervisory	Existing
1	1ST FLOOR					11	SPACE			
2	BASEMENT					12	SPACE			
3	STAIR #4					13	SPACE			
4	2ND FLOOR AND UPPER FAN ROOM					14	SPACE			
5	STAIR #1					15	SPACE			
6	STAIR #2					16	SPACE			
7	STAIR #3					17	SPACE			
8	ELEVATOR SHAFT	•			•	18	SPACE			
9	ELEVATOR MACHINE ROOM	•			•	19	SPACE			
10	SPACE					20	SPACE			
NAC1	BELL CCT 1									
NAC2	BELL CCT 2									
NAC3	BOOSTER PANEL									
NAC4	SPACE									



**REVISIONS**

NO.	DATE	PARTICULAR
1	04/14/2022	COORDINATION SET
2	09/08/2022	COORDINATION SET
3	11/24/2022	COORDINATION SET
4	01/13/2023	COORDINATION SET
5	02/02/2023	ISSUED FOR PERMIT
6	04/04/2023	ISSUED FOR TENDER

**NOTES:**

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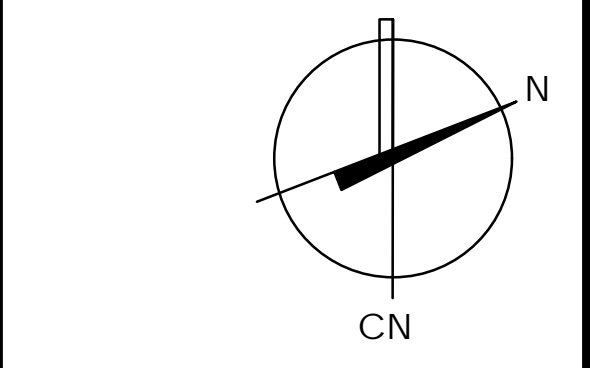
**DEI Consulting Engineers**  
MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,  
Waterloo, ON N2V 1Y8  
Phone: 519-725-5555  
Website: deiassociates.ca  
Project Number: 22084

**CLIENT**  
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 KING STREET WEST, KITCHENER, ON N2G 1E3

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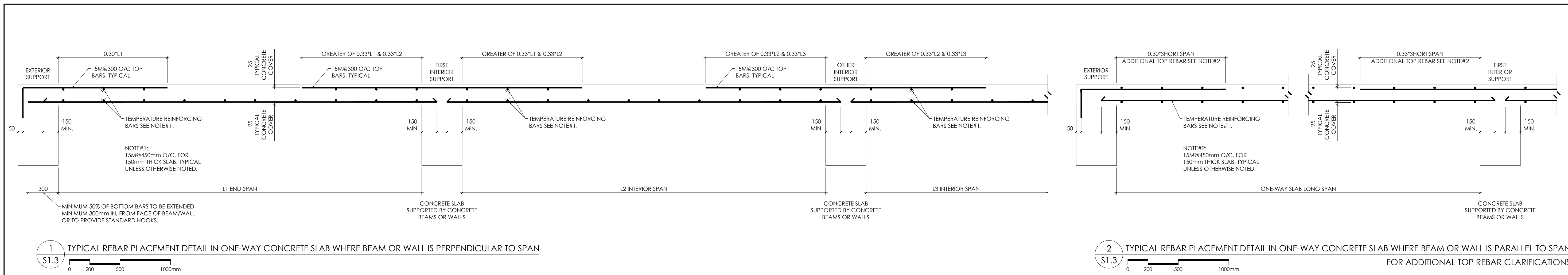
**E5.1**

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FIRE ALARM RISER AND PASSIVE GRAPHIC

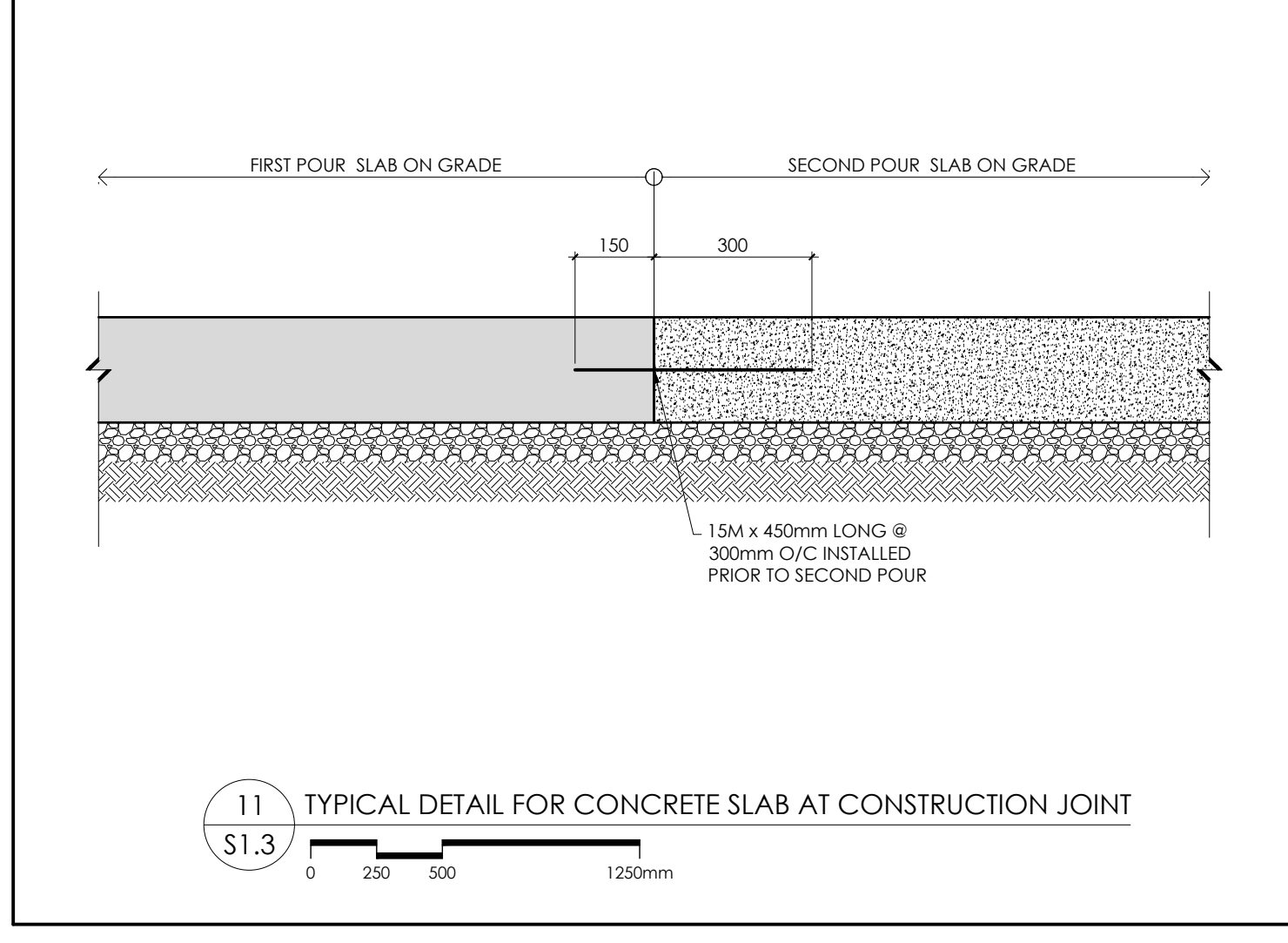
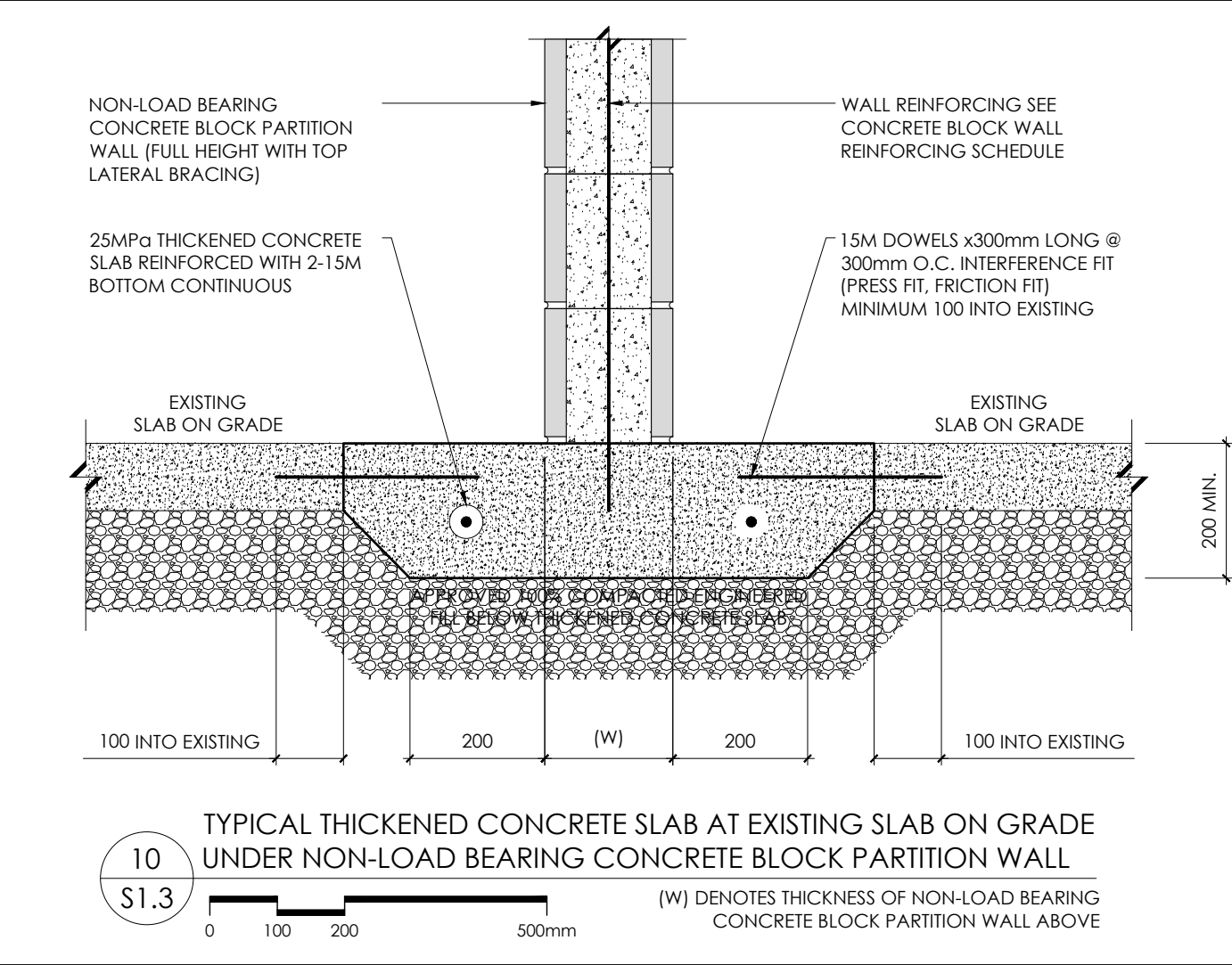
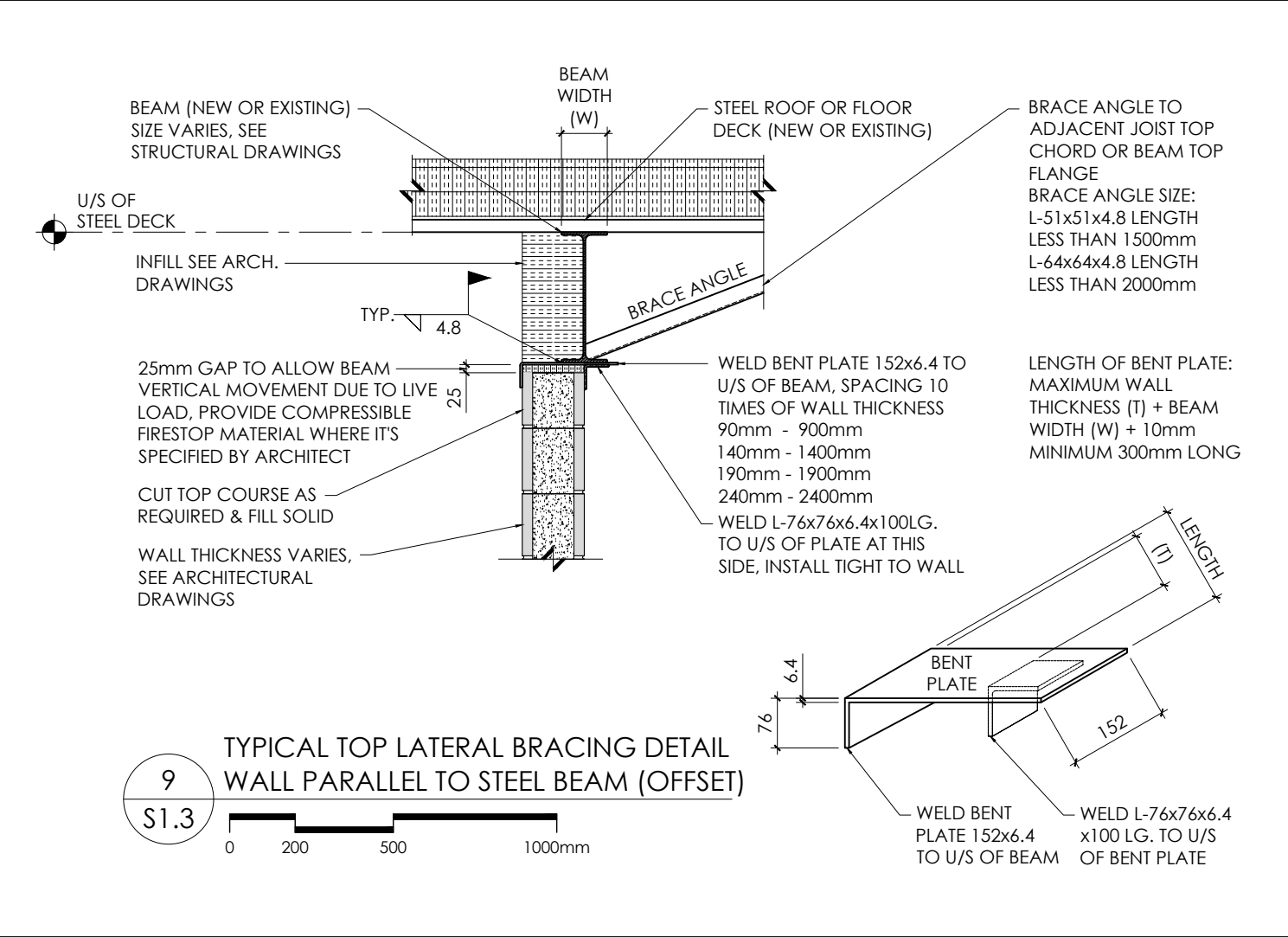
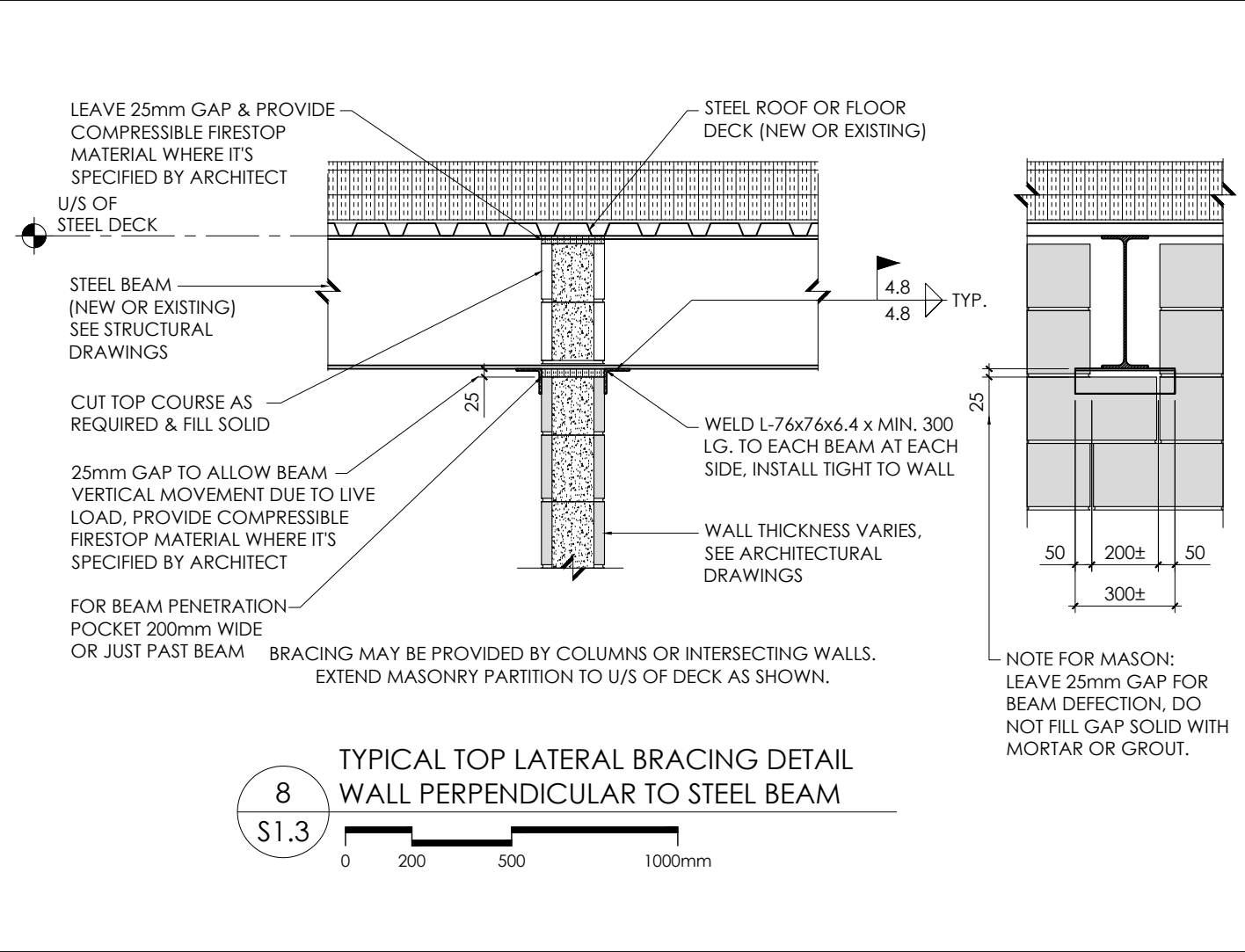
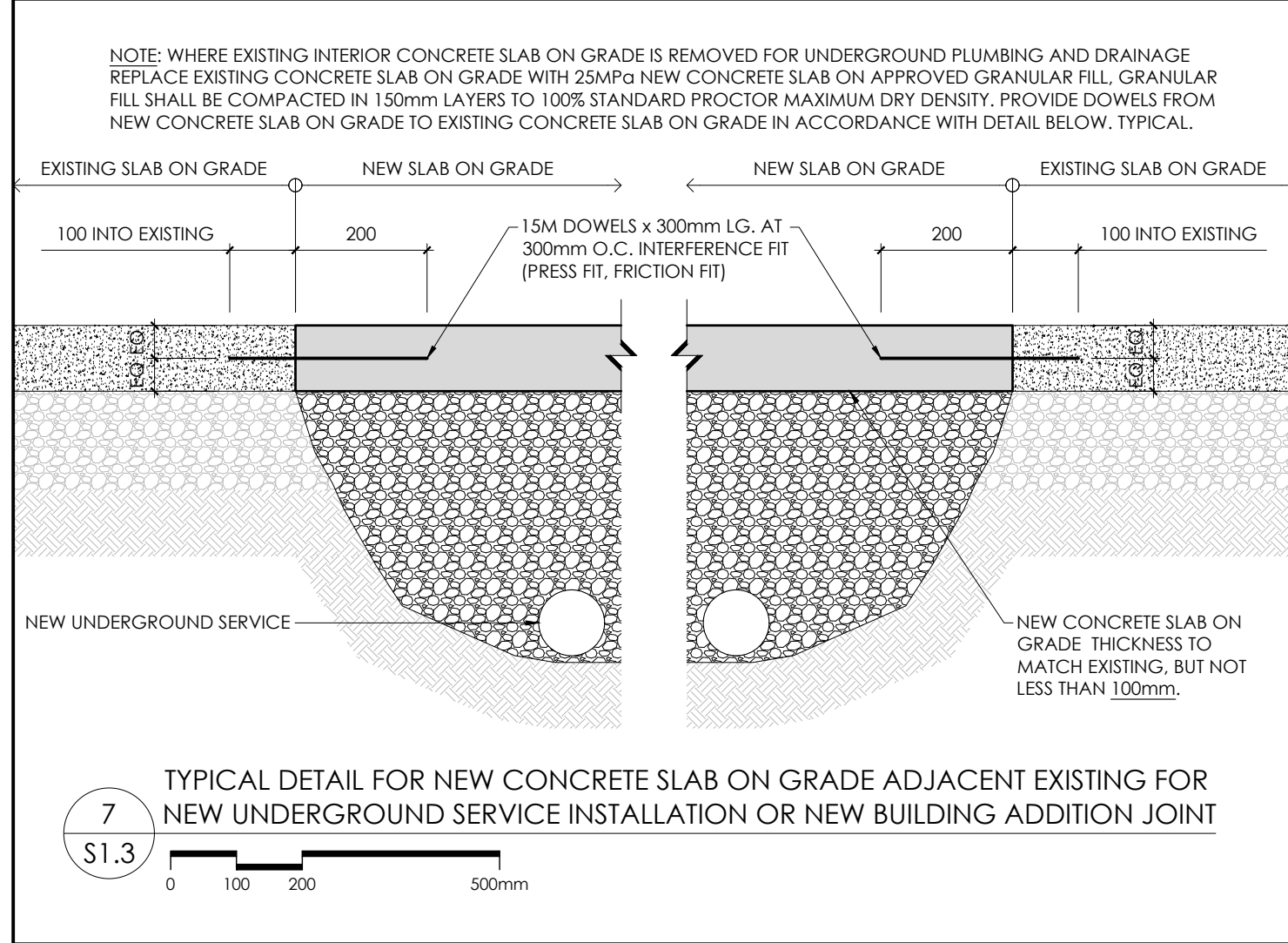
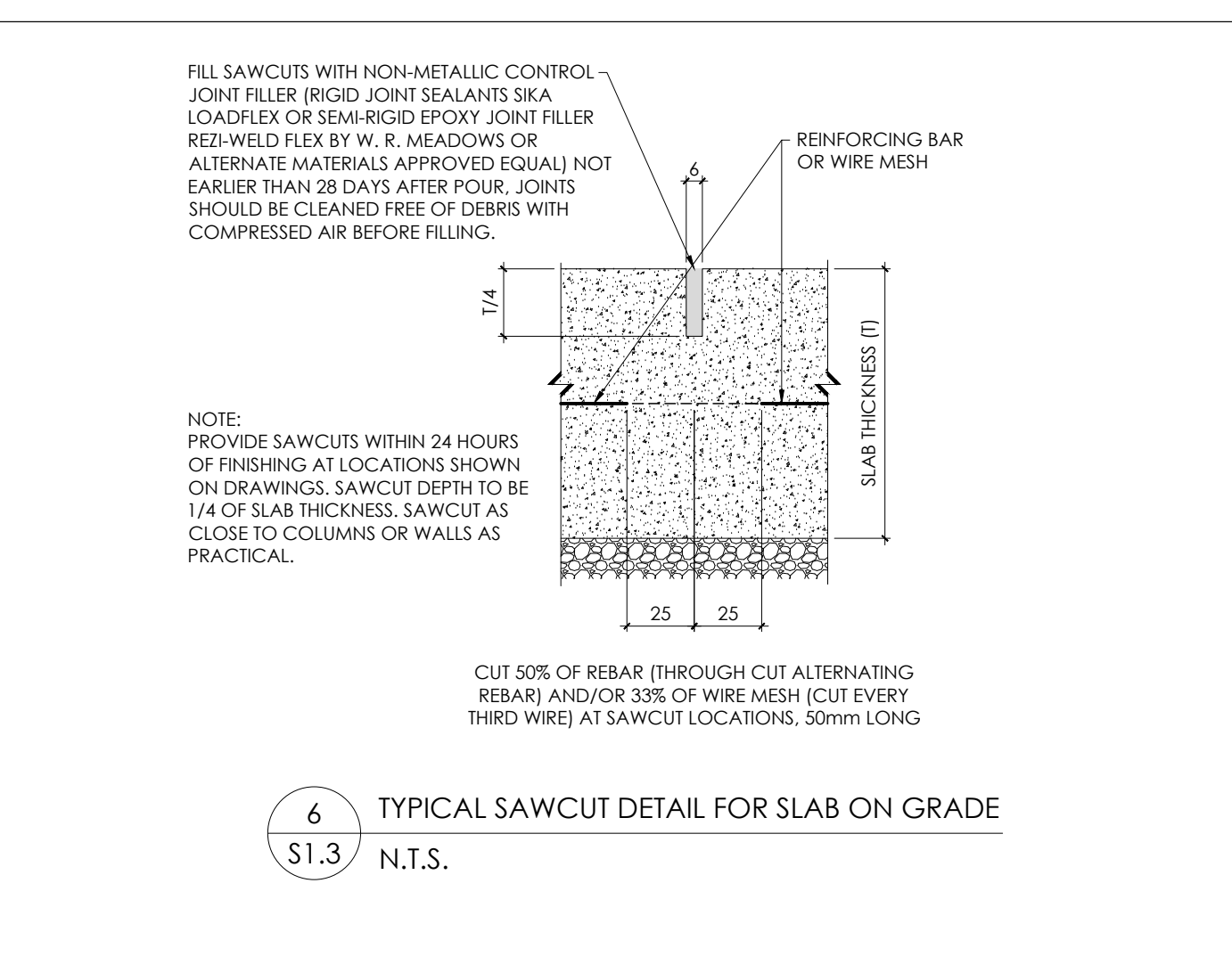
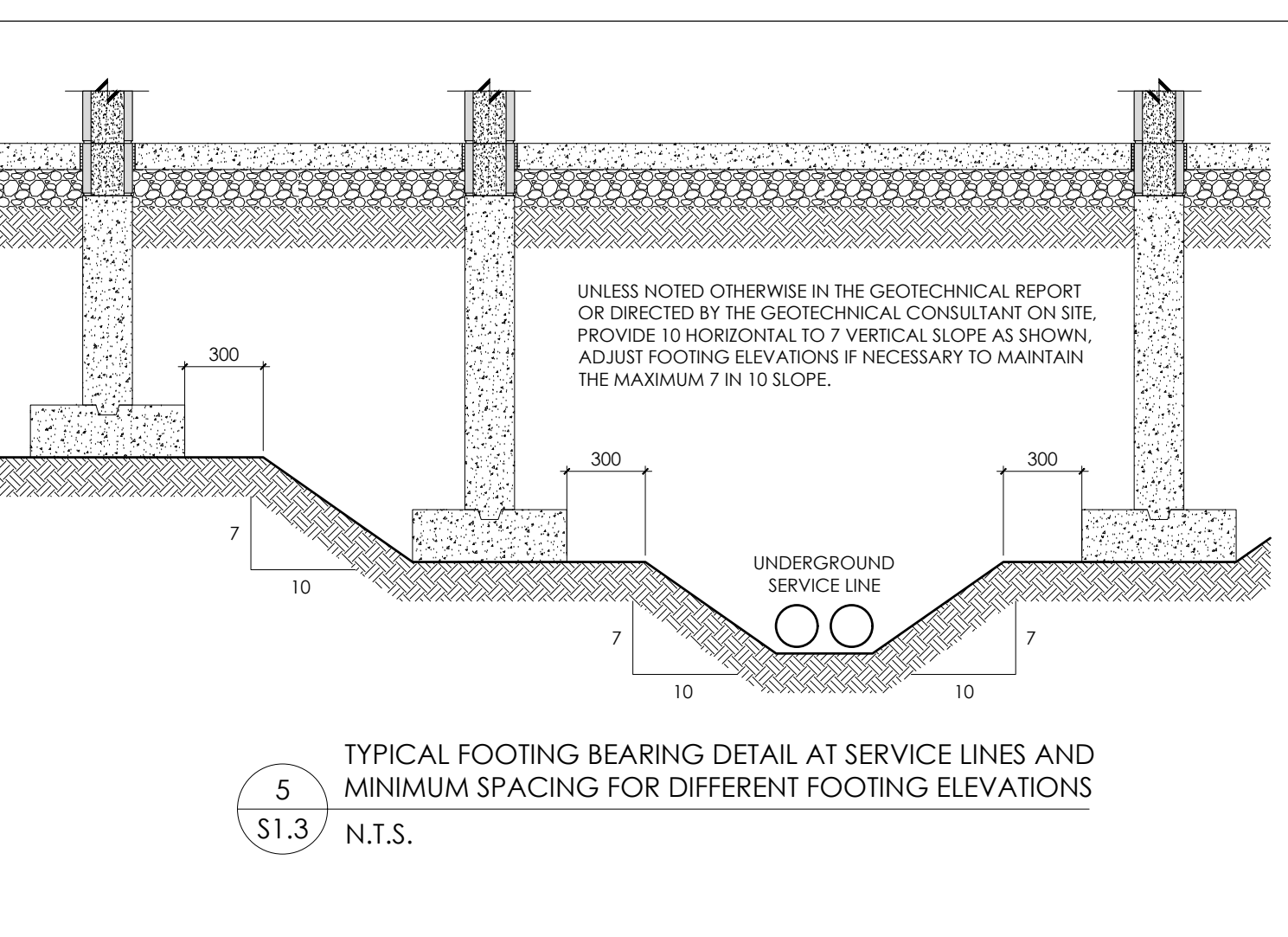
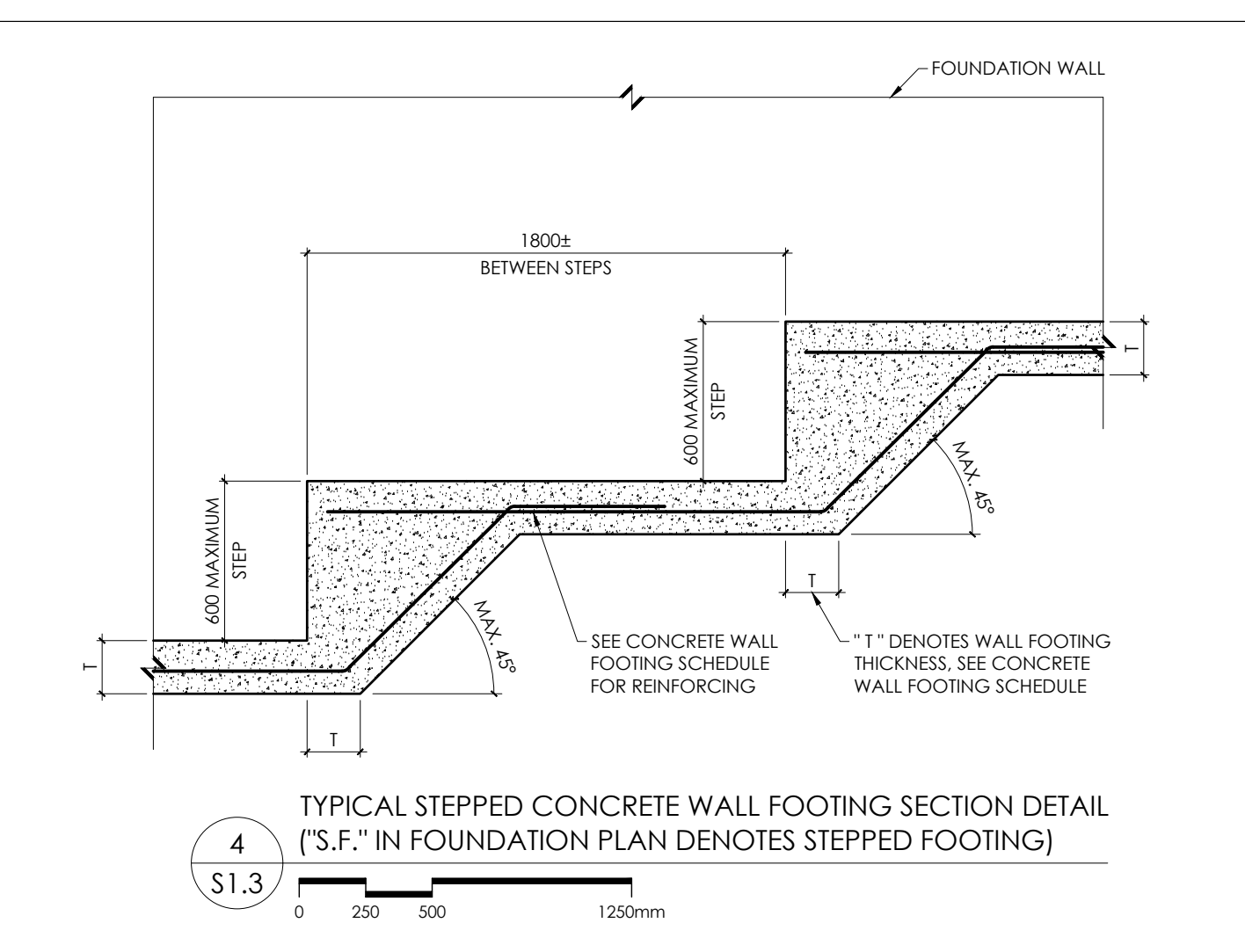
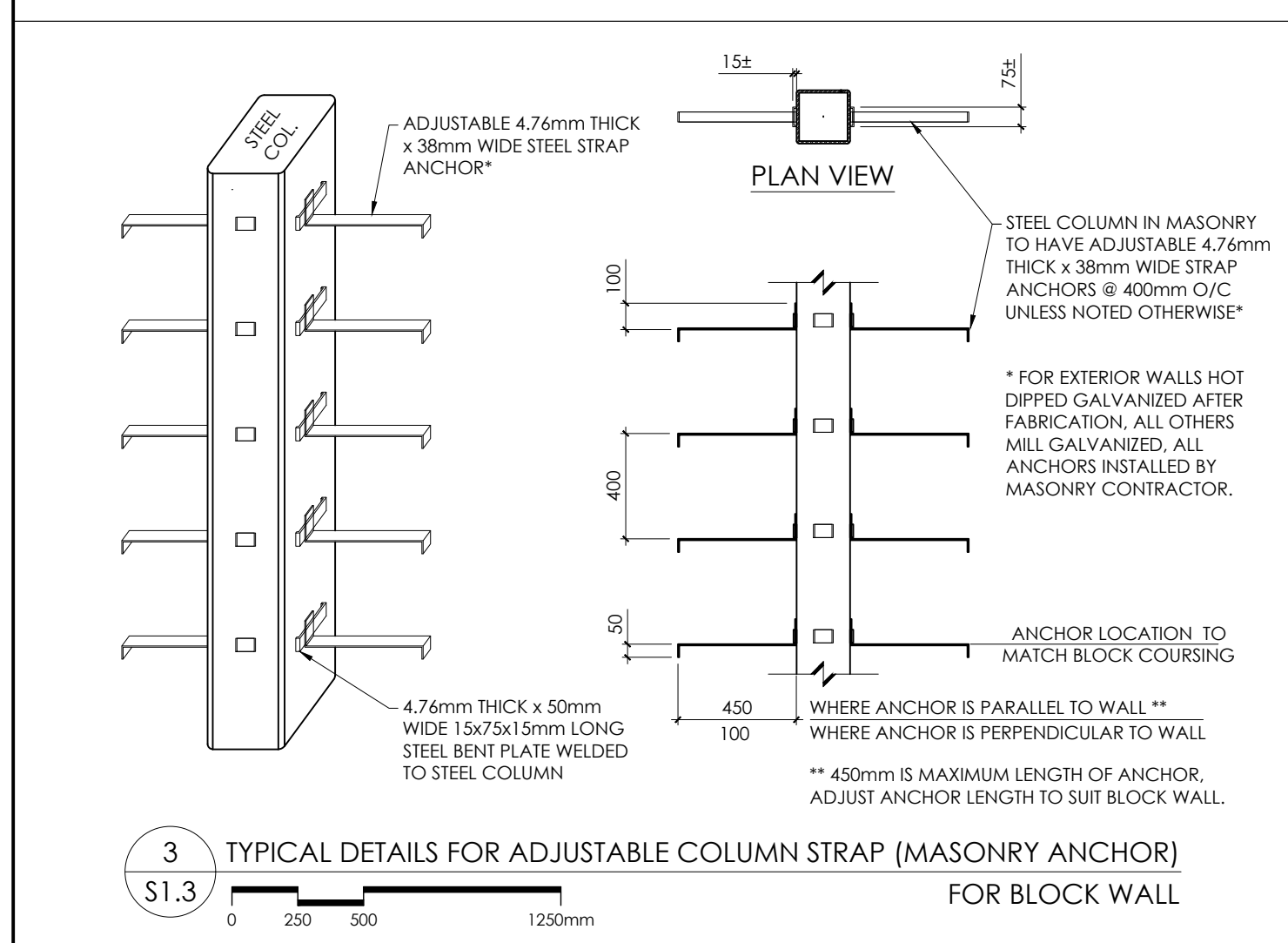






REVISIONS		
NO.	DATE	PARTICULAR
1	2022.04.18	95% PROGRESS SET
2	2023.04.04	ISSUED FOR TENDER AND PERMIT
3		
4		

NOTES:



**CLIENT:**  
WATERLOO REGION DISTRICT SCHOOL BOARD  
51 ARDELT AVENUE  
KITCHENER, ONTARIO  
N2C 2R5

**PROJECT:**  
22059  
KING EDWARD PS ELEVATOR ADDITION  
709 King Street West,  
KITCHENER, ON  
N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" x 36"  
KEY TO DETAIL LOCATION:  
A - DETAIL NO.  
B - DETAIL NO. ORIGIN

April 4, 2023, 10:10:38 AM

**STRUCTURES+VG**  
THE VENTIN GROUP LTD.

LICENSED PROFESSIONAL ENGINEER  
Adv. 04/23  
M. W. LIN  
100156441  
M. Lin  
PROVINCE OF ONTARIO

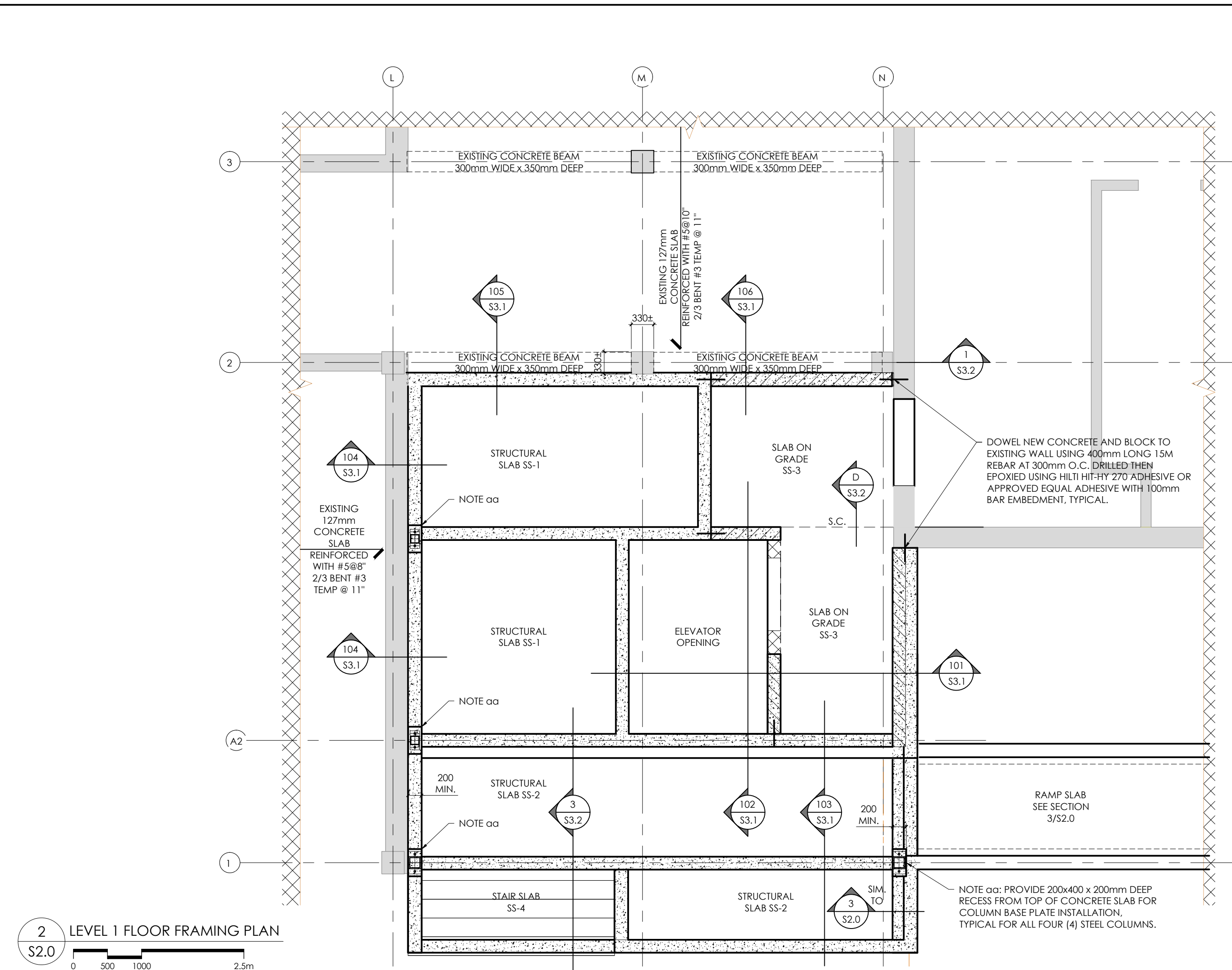
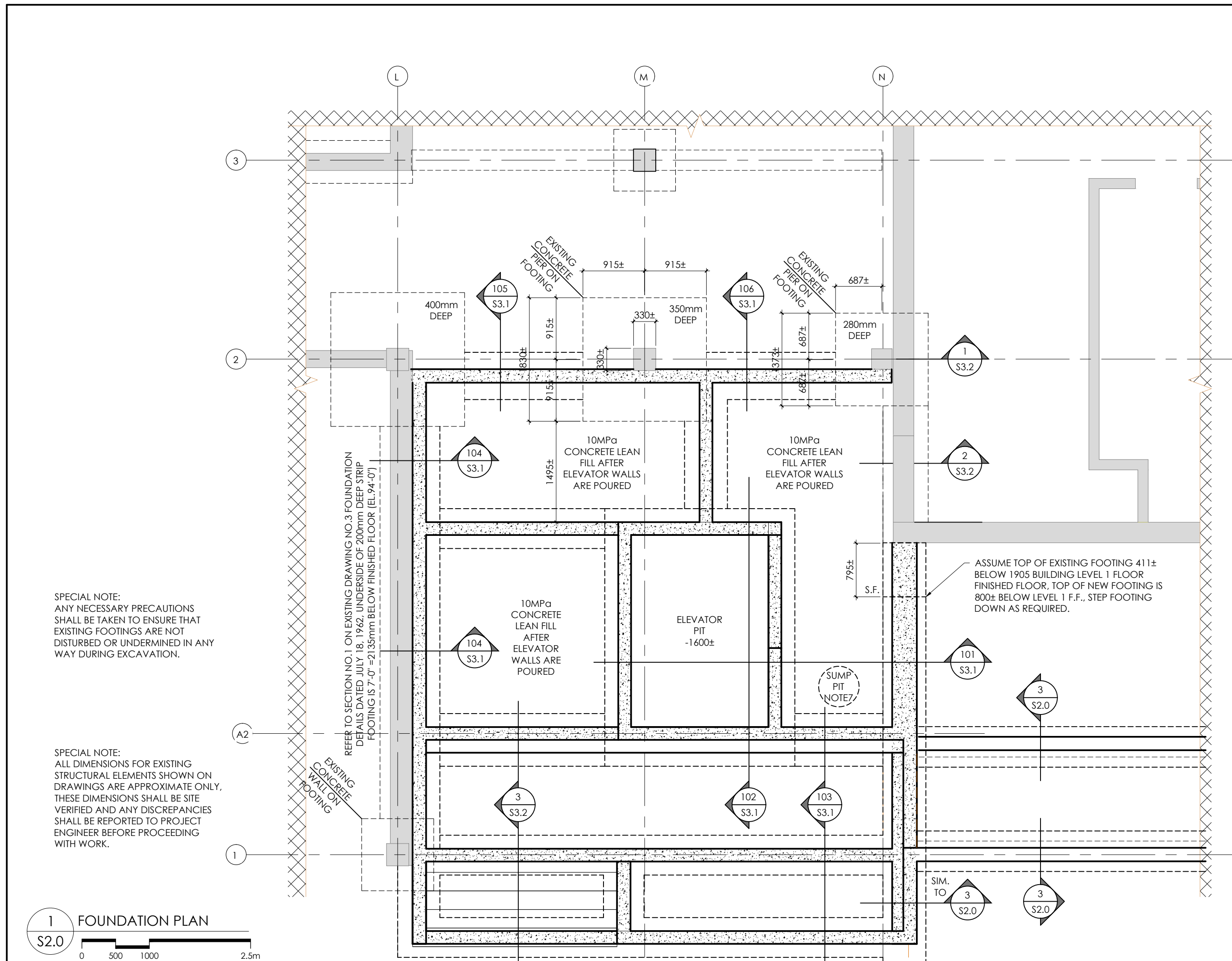
**S1.3**

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**STANDARD DETAILS**



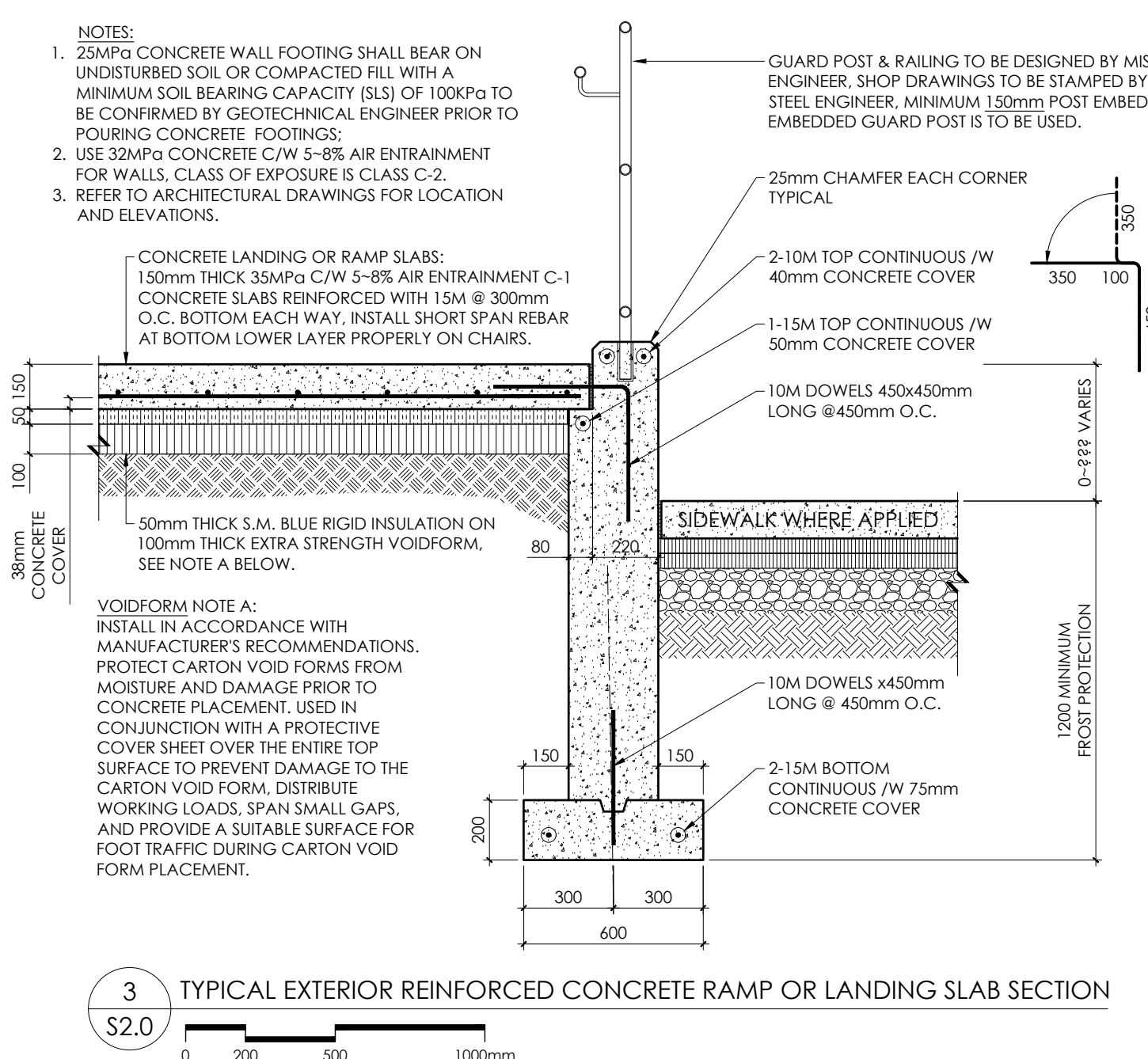


SPECIAL NOTE:  
ANY NECESSARY PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT EXISTING FOOTINGS ARE NOT DISTURBED OR UNDERMINED IN ANY WAY DURING EXCAVATION.

SPECIAL NOTE:  
ALL DIMENSIONS FOR EXISTING STRUCTURAL ELEMENTS SHOWN ON DRAWINGS ARE APPROXIMATE ONLY. THESE DIMENSIONS SHALL BE SITE VERIFIED AND ANY DISCREPANCIES SHALL BE REPORTED TO PROJECT ENGINEER BEFORE PROCEEDING WITH WORK.

1 FOUNDATION PLAN  
S2.0

2 LEVEL 1 FLOOR FRAMING PLAN  
S2.0



3 TYPICAL EXTERIOR REINFORCED CONCRETE RAMP OR LANDING SLAB SECTION  
S2.0

LEVEL 1 FLOOR CONCRETE SLAB SCHEDULE

MARK	DESCRIPTION
SS-1	STRUCTURAL SLAB IS TO BE MINIMUM 150mm THICK 25MPa EXPOSED CLASS N CONCRETE REINFORCED WITH 15M @ 300mm O.C. SHORT DIRECTION BOTTOM LOWER LAYER, C/W 25mm CONCRETE CLEAR COVER BELOW & 15M @ 300mm O.C. LONG DIRECTION BOTTOM UPPER LAYER, APPROXIMATE 90mm CONCRETE CLEAR COVER ABOVE
SS-2	STRUCTURAL SLAB IS TO BE MINIMUM 135mm THICK (56 DAY COMPRESSIVE STRENGTH OF 35MPa C/W 5-8% AIR ENTRAINMENT AND CLASS OF EXPOSURE CLASS C-1) CONCRETE REINFORCED WITH 15M @ 300mm O.C. SHORT DIRECTION BOTTOM LOWER LAYER, C/W 38mm CONCRETE CLEAR COVER BELOW & 15M @ 300mm O.C. LONG DIRECTION BOTTOM UPPER LAYER TOP OF SLAB TO BE SLOPED FOR DRAINAGE PURPOSE BOTTOM OF SLAB LEVEL, DEPTH OF SLAB VARIES 135mm-200mm
SS-3	SLAB ON GRADE IS TO BE MINIMUM 150mm THICK 25MPa EXPOSED CLASS N CONCRETE REINFORCED WITH FLAT SHEETS WELDED WIRE MESH 152x152 MW18.7 (6x6 W6.0/W6.0) ON 15mm W.R. MEADOWS PERMINATOR VAPOUR BARRIER OR APPROVED ALTERNATE OVER ENGINEERED GRANULAR FILL COMPACTED IN 150mm LAYERS TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY FROM UNDISTURBED SOIL. CONFIRMED BY SOIL ENGINEER. WIRE MESH SHALL BE PROPERLY HOOKED UP TO 50mm BELOW CONCRETE SLAB SURFACE DURING POURING CONCRETE.
SS-4	STRUCTURAL STAIR SLAB IS TO BE MINIMUM 150mm THICK (56 DAY COMPRESSIVE STRENGTH OF 35MPa C/W 5-8% AIR ENTRAINMENT AND CLASS OF EXPOSURE CLASS C-1) CONCRETE REINFORCED WITH 15M @ 300mm O.C. SHORT DIRECTION BOTTOM LOWER LAYER, C/W 38mm CONCRETE CLEAR COVER BELOW & 15M @ 300mm O.C. LONG DIRECTION BOTTOM UPPER LAYER PROVIDE (1) CONTINUOUS 10M NOSER BAR FOR EACH STEP

NOTES:  
1. CONCRETE TO BE NORMAL WEIGHT 150pcf CONCRETE.  
2. REFER TO CONCRETE NOTE 11 ON S1.1 FOR CONCRETE MIX.  
3. PROVIDE FORMWORK BELOW SLABS.  
4. REINFORCING MAT TO BE PROPERLY SUPPORTED ON CHAIRS ON FORMWORK PRIOR TO POURING CONCRETE.  
5. WHERE IT IS REQUIRED SPICE BOTTOM REBAR AT FOUNDATION WALL LOCATIONS AND SPICE TOP REBAR AT MID-SPAN OF SLAB BETWEEN TWO WALLS.

FOUNDATION NOTES:

- UNDERSIDE OF ALL EXTERIOR FOOTINGS TO HAVE MINIMUM 1200 FROST PROTECTION.
- FOOTING THICKNESS SHOWN IS MINIMUM. ALL SIDES OF FOOTINGS ARE TO BE PROPERLY FORMED TO PREVENT OUTWARD FLOW OF CONCRETE BELOW FORMWORK. EARTH FORMS ARE NOT PERMITTED ON THIS PROJECT.
- STEP FOOTINGS DOWN AT SITE SERVICES WHERE IT IS REQUIRED. "S.F." DENOTES STEPPED FOOTING LOCATION. SEE DETAIL 4 ON SHEET S1.3. FOR ALL SITE SERVICE LOCATIONS SEE CIVIL DRAWINGS.
- PROVIDE SAWCUT CONTROL JOINTS IN SLAB ON GRADE NOTED THUS: "S.C." ON PLAN. REFER TO DETAIL 6/5.1.3. TYPICALLY SAWCUTS TO BE PROVIDED AT DOOR OPENINGS.
- PROVIDE SLEEVES IN FOUNDATION WALLS FOR STORM AND SANITARY LINES. SEE SITE SERVICES DRAWING FOR SIZE AND LOCATION.
- TYPICAL CORNER & INTERSECTION SPICE BARS SHALL BE PROVIDED IN CONCRETE WALLS IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE FOR REINFORCING STEEL. SPICE BARS DETAILS SHOULD BE PROVIDED ON REBAR SHOP DRAWINGS FOR APPROVAL.
- SUMP PIT SHALL BE INSTALLED PRIOR TO ELEVATOR BASE SLAB AND ADJACENT FOOTINGS. 10MPa CONCRETE LEAN FILL UP TO UNDERSIDE OF ELEVATOR BASE SLAB AND ADJACENT FOOTINGS AFTER SUMP PIT IS PROPERLY INSTALLED.

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PROJECT:  
22059  
KING EDWARD PS ELEVATOR ADDITION

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N2G 1E3

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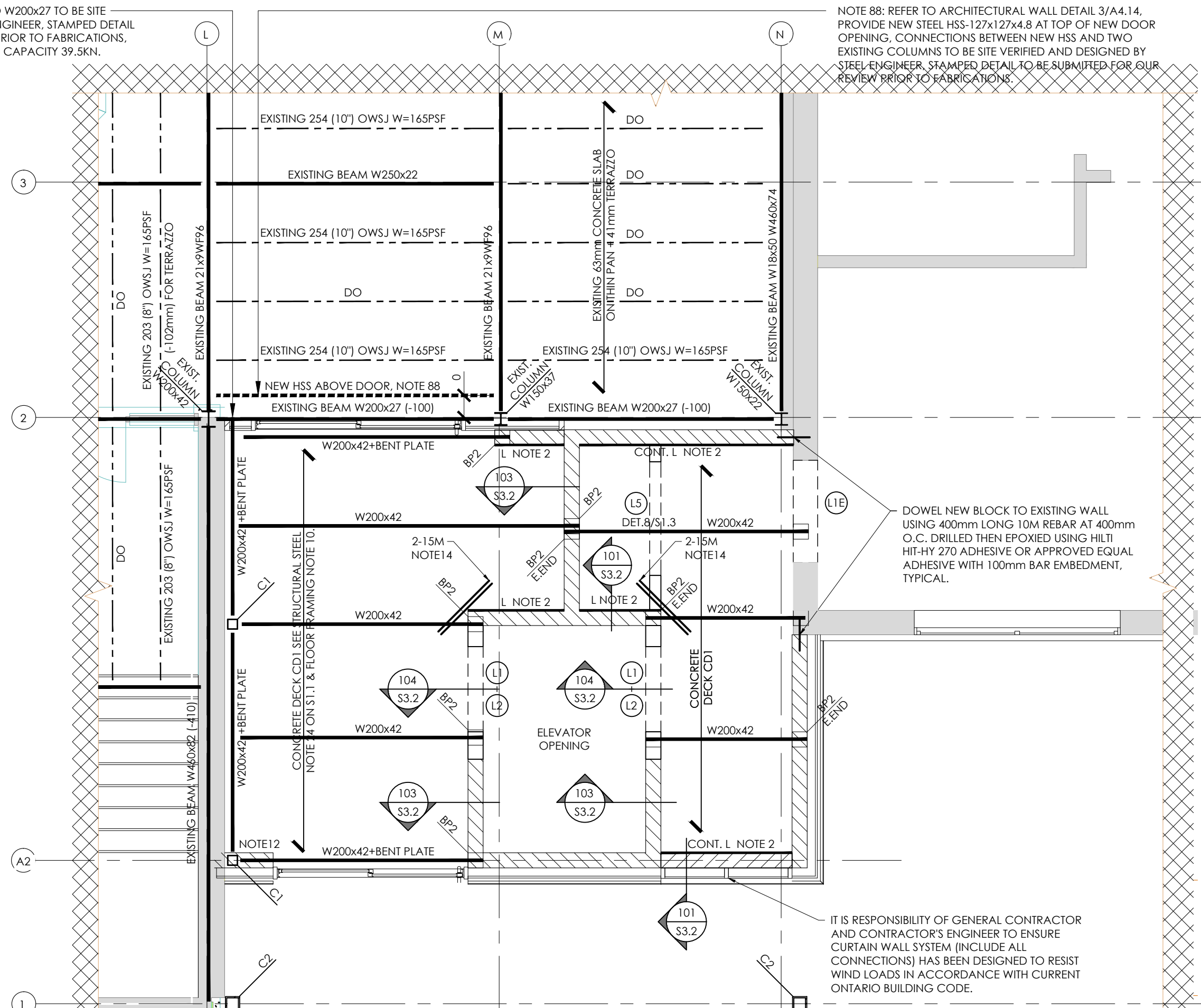
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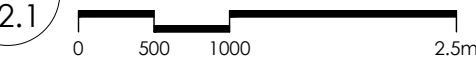
FOUNDATION AND LEVEL 1 FLOOR FRAMING PLANS

CONNECTION BETWEEN W200x42 TO W200x27 TO BE SITE VERIFIED AND DESIGNED BY STEEL ENGINEER. STAMPED DETAIL TO BE SUBMITTED FOR OUR REVIEW PRIOR TO FABRICATIONS. MINIMUM DESIGN FACTORED SHEAR CAPACITY 39.5KN.

NOTE 88: REFER TO ARCHITECTURAL WALL DETAIL 3/A4.14. PROVIDE NEW STEEL HSS-127x127x4.8 AT TOP OF NEW DOOR OPENING. CONNECTIONS BETWEEN NEW HSS AND TWO EXISTING COLUMNS TO BE SITE VERIFIED AND DESIGNED BY STEEL ENGINEER. STAMPED DETAIL TO BE SUBMITTED FOR OUR REVIEW PRIOR TO FABRICATIONS.



1 1905 & 1962 LEVEL 2 FLOOR FRAMING PLAN



ADDITIONAL LINTELS ARE REQUIRED AS FOLLOWS:

- REFER TO ARCHITECTURAL DRAWING A2.1: PROVIDE TWO LINTELS L1E1.3E FOR THE NEW DOOR OPENING, DOOR ID IS HM1 N12, BETWEEN VESTIBULE N12 AND STAIR B.
- REFER TO ARCHITECTURAL DRAWING A2.2: PROVIDE TWO LINTELS L1E1.3E FOR THE NEW DOOR OPENING, DOOR ID IS HM1 N21, BETWEEN VESTIBULE N21 AND STAIR B.
- REFER TO ARCHITECTURAL DRAWING A2.3: PROVIDE TWO LINTELS L1E1.3E FOR THE NEW DOOR OPENING, DOOR ID IS HM1 N14, BETWEEN VESTIBULE N31 AND STAIR B.
- REFER TO ARCHITECTURAL DRAWING A2.1: PROVIDE ONE LINTEL L4E FOR THE NEW DOOR OPENING, DOOR ID IS HM1 N13, FOR OFFICE A&B VESTIBULE N13.
- REFER TO ARCHITECTURAL DRAWING A2.1: PROVIDE ONE LINTEL L4E FOR THE NEW DOOR OPENING, DOOR ID IS HM1 N16, FOR OFFICE C&D VESTIBULE N16.

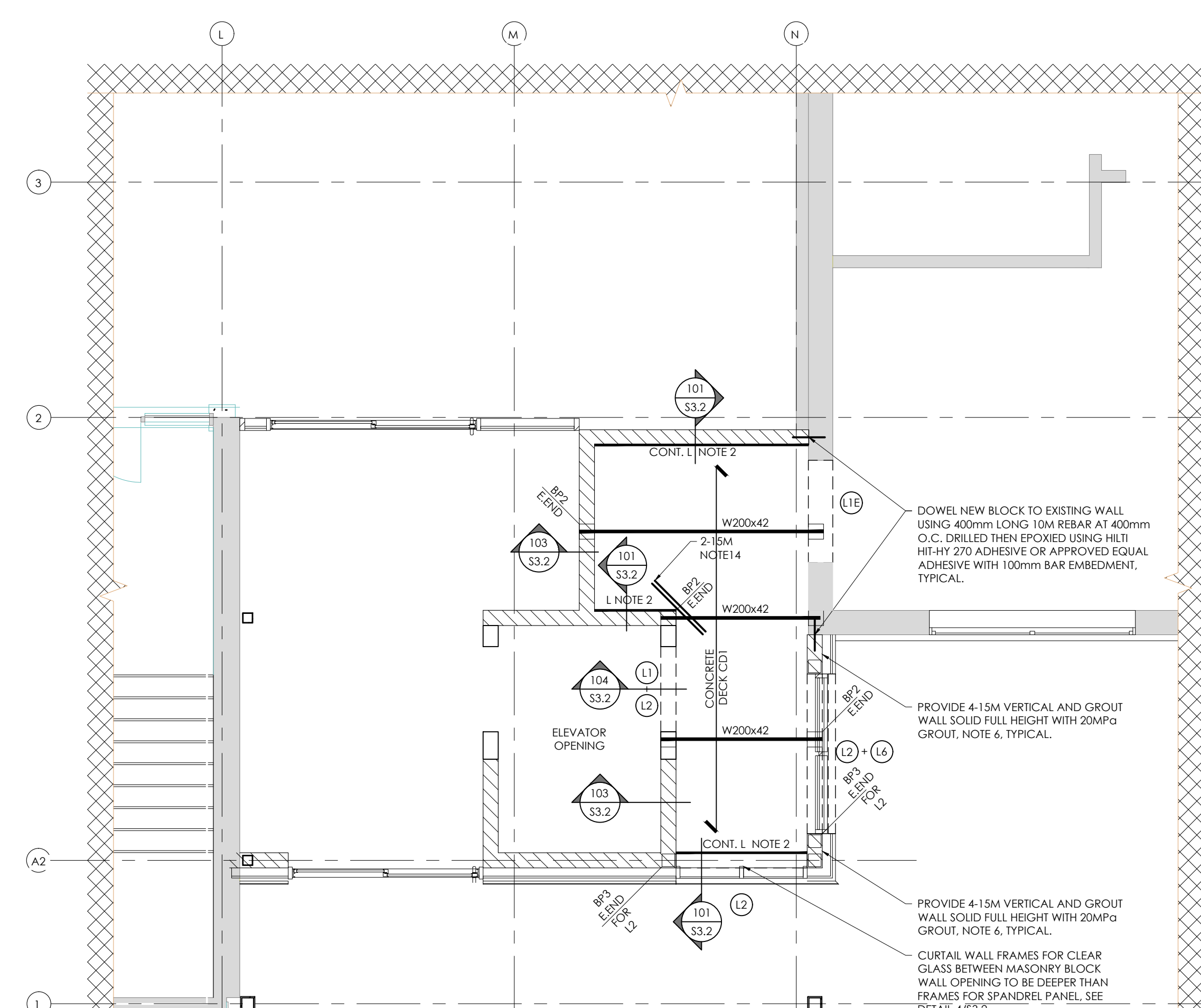
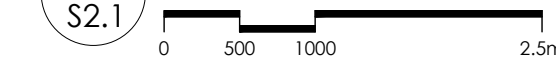
MISCELLANEOUS LINTEL NOTES:

- WHERE LINTELS FOR MECHANICAL OPENINGS AND LINTELS IN NON-LOAD BEARING PARTITION WALLS ARE NOT SHOWN ON STRUCTURAL FRAMING PLANS PROVIDE 1L-69x89x6.4 FOR EACH 100mm THICKNESS OF WALL OPENINGS UP TO 600mm AND 1L-89x89x9.5 FOR EACH 100mm THICKNESS OF WALL OPENINGS UP TO 1200mm. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF THESE OPENINGS.
- ALL EXTERIOR LINTELS TO BE HOT DIPPED GALVANIZED.
- BACK TO BACK ANGLES SHALL BE STITCH WELDED OR BOLTED @ 600 O/C MAXIMUM.
- MINIMUM BEARING LENGTH = 150mm UNLESS NOTED OTHERWISE.

IT IS RESPONSIBILITY OF GENERAL CONTRACTOR AND CONTRACTOR'S ENGINEER TO ENSURE CURTAIN WALL SYSTEM (INCLUDE ALL CONNECTIONS) HAS BEEN DESIGNED TO RESIST WIND LOADS IN ACCORDANCE WITH CURRENT ONTARIO BUILDING CODE.

DOWEL NEW BLOCK TO EXISTING WALL USING 400mm LONG 10M REBAR AT 400mm O.C. DRILLED THEN EPOXIED USING HILTI HIT-HY 270 ADHESIVE OR APPROVED EQUAL ADHESIVE WITH 100mm BAR EMBEDMENT, TYPICAL.

2 1905 LEVEL 3 FLOOR FRAMING PLAN



FLOOR FRAMING NOTES:

- DESIGN LOADS (ALL LOADS ARE UN-FACTORED LOADS):  
a) DEAD LOADS:  
SELF WEIGHTS OF STRUCTURAL MEMBERS:  
90mm CONCRETE + 76mm DECK + BEAMS: 3.0+0.3+3.3KPa;  
b) SUPERIMPOSED DEAD LOADS:  
FOR TILE ON CONCRETE ON HI-BOND DECK: 1.00KPa;  
c) SUPERIMPOSED LIVE LOADS: 4.8KPa
- CONTINUOUS ANGLE L-102x102x6.4 FOR DECK SUPPORT TO BE BOLTED TO GROUTED SOLID BLOCK BOND BEAM USING 16mm DIAMETER x 152mm LONG HILTI KWIK BOLT T22 CS WEDGE ANCHORS OR APPROVED EQUAL AT 300mm O.C. FILL BLOCK SOLID WITH 20 MPa GROUT FULL LENGTH AT ANCHOR LOCATIONS.
- CONTINUOUS 100x6 DECK PLATES FOR DECK SUPPORT ARE TO BE ANCHORED TO WALL USING 14Ø ANCHORS x 300 LONG + 50 HOOK AT 600 O/C MAXIMUM. FILL TOP 2 COURSES BLOCK SOLID AT ANCHOR LOCATIONS AND FILL TOP COURSE SOLID FULL LENGTH WITH 20MPa GROUT AT DECK PLATE.
- PROVIDE BEARING PLATE B22 AT ALL FLOOR BEAM BEARING LOCATIONS UNLESS NOTED OTHERWISE. SEE BEARING PLATE SCHEDULE. ALL FLOOR FRAMING BEARING PLATES TO BE PROVIDED WITH 1-20 DIAMETER ANCHOR x300 LONG + 50 HOOK.
- WHERE BEAMS SUPPORT MASONRY ABOVE PROVIDE 15M x MIN. 200 LONG WELDABLE RODS AT 600 O/C TO TOP FLANGE FOR BLOCK. (TYPICAL)
- WHERE WALL BETWEEN OPENINGS IS 600mm OR LESS OR SPECIFICALLY SHOWN ON PLAN, PROVIDE MINIMUM 4-15M VERTICAL AND GROUT WALL SOLID FULL HEIGHT WITH 20MPa GROUT (TYPICAL).
- PROVIDE 2-15M AT EACH FACE OF OPENING FULL HEIGHT PAST END OF LINTEL BEARING FROM FLOOR TO ROOF FOR ALL EXTERIOR & INTERIOR OPENINGS. GROUT SOLID WITH 20MPa GROUT. DOWEL TO FOUNDATION WALL. (SEE MASONRY WALL REINFORCING SCHEDULE & DETAIL)
- WHERE WALL IS REINFORCED WITH 15M VERTICALS, GROUT CORES SOLID WITH 20MPa GROUT. THE VERTICALS TO BE DOWELED 150 MINIMUM INTO FOOTING OR FOUNDATION WALL BELOW.
- PROVIDE CONTINUOUS BOND BEAM C/W 2-15M CONTINUOUS AT BLOCK COURSE BELOW ALL ROOF AND FLOOR LEVEL AND AT EACH FLOOR OF THE ELEVATOR SHAFT/STAIRWELLS ALL AROUND SHAFT/STAIRWELLS. PROVIDE ADDITIONAL BOND BEAM AT MID-PT. BETWEEN FLOORS FOR ELEVATOR RAIL ATTACHMENT.
- TYPICAL HI-BOND COMPOSITE FLOOR CONSTRUCTION - CONCRETE DECK CD1: 90mm LOW-DENSITY CONCRETE (25MPa) ON 76mm DEEP x0.76mm T22 GAUGE HI-BOND DECK (P.342) COMPOSITE BY CANAM OR APPROVED EQUAL) - OVERALL SLAB THICKNESS = 166mm. REINFORCE SLAB USING 152x152-MW18.7/MW18.7 FLAT SHEETS. LOW DENSITY CONCRETE: EXPANDED SHALE, CLAY OR SLATE AGGREGATE BY ROTARY KILN METHOD. 1760±50kg/m³ DENSITY OR EXPANDED BLAST FURNACE SLAG AGGREGATE 1955±50kg/m³ DENSITY TYPICAL UNLESS NOTED OTHERWISE. WELD CONTINUOUS 14x HIGH BENT PLATE x 4.8mm THICK TO TOP OF FLOOR BEAMS FOR CONCRETE ENCLOSURE ALONG ALL EDGES OF FLOOR SLABS & ALL FACES OF FLOOR OPENINGS.
- ALL VERTICAL REINFORCING IN BLOCK TO HAVE TENSION SPLICE MINIMUM 600 FOR 15M & 800 FOR 20M.
- PROVIDE ADJUSTABLE STRAPS FOR MASONRY ANCHORS TO SIDE OF COLUMN AT 400 O/C. SEE DETAIL 3 ON S1.3.
- COORDINATE SLAB OPENINGS WITH MECHANICAL DRAWINGS. FOR LOCATIONS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- AT ALL NBS OR PROJECTIONS AND OUTSIDE CORNERS PENETRATING THE SLAB, PROVIDE 2-15M x 900 LONG IN SLAB TO HELP PREVENT CRACKING.
- TOP OF ALL MASONRY PARTITION WALLS SHALL BE LATERAL BRACED TO UNDERSIDE OF FLOOR FRAMING IN ACCORDANCE WITH DETAILS ON S1.3 OR APPROVED EQUAL DETAIL. BRACING TO BE SPACED AT 10 TIMES OF WALL THICKNESS MAXIMUM AND MAY BE PROVIDED BY STRUCTURAL COLUMNS OR INTERSECTING WALLS. BRACING TO TIGHT TO EACH SIDE OF PARTITION WALLS AND ALLOW FOR VERTICAL MOVEMENT FROM PARTITION WALLS (DO NOT LOAD ON PARTITION WALLS).

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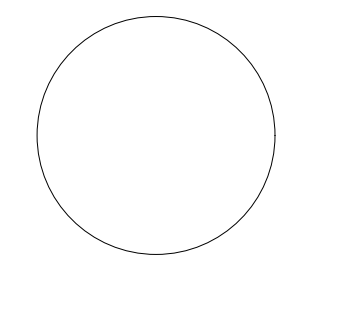
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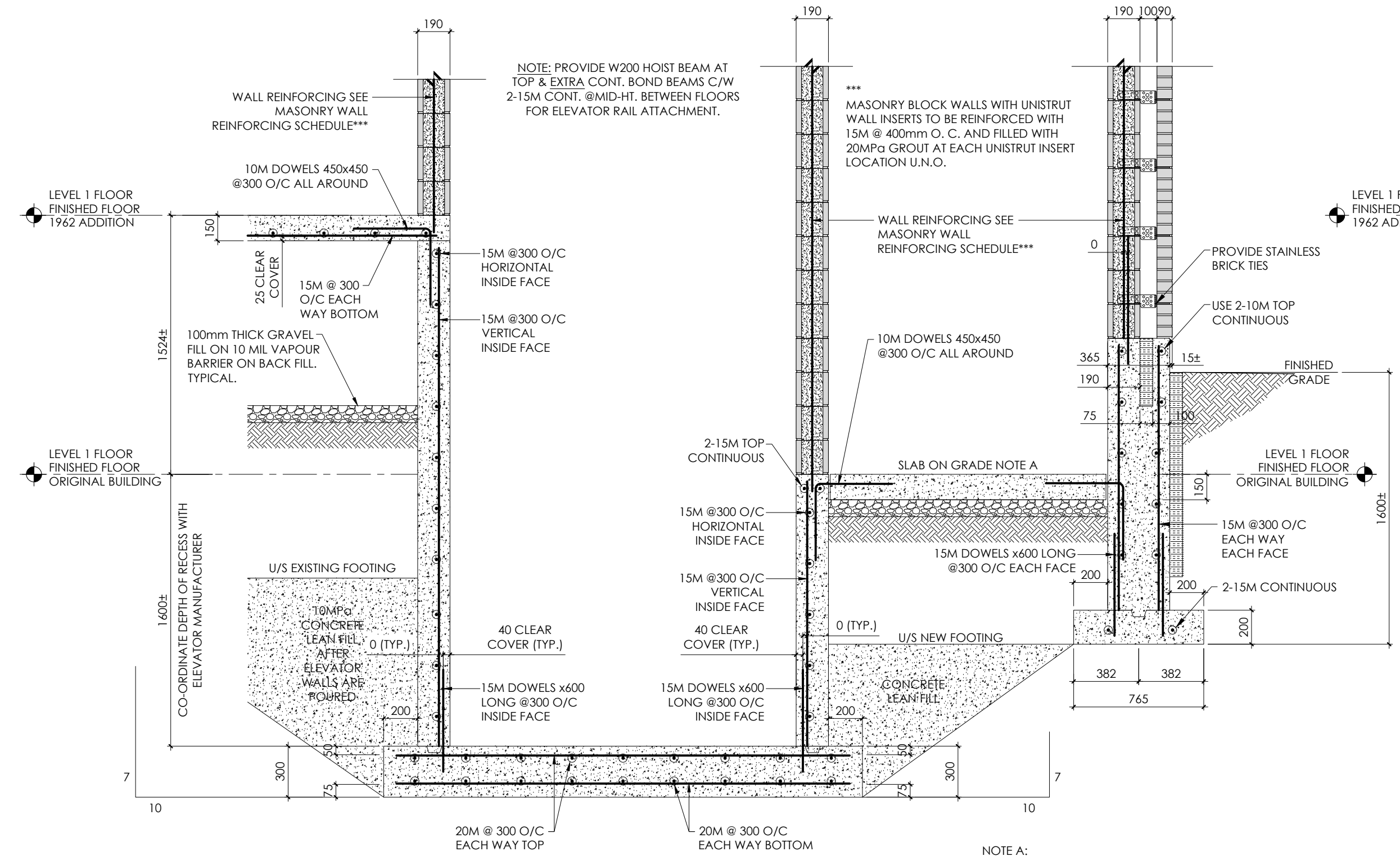
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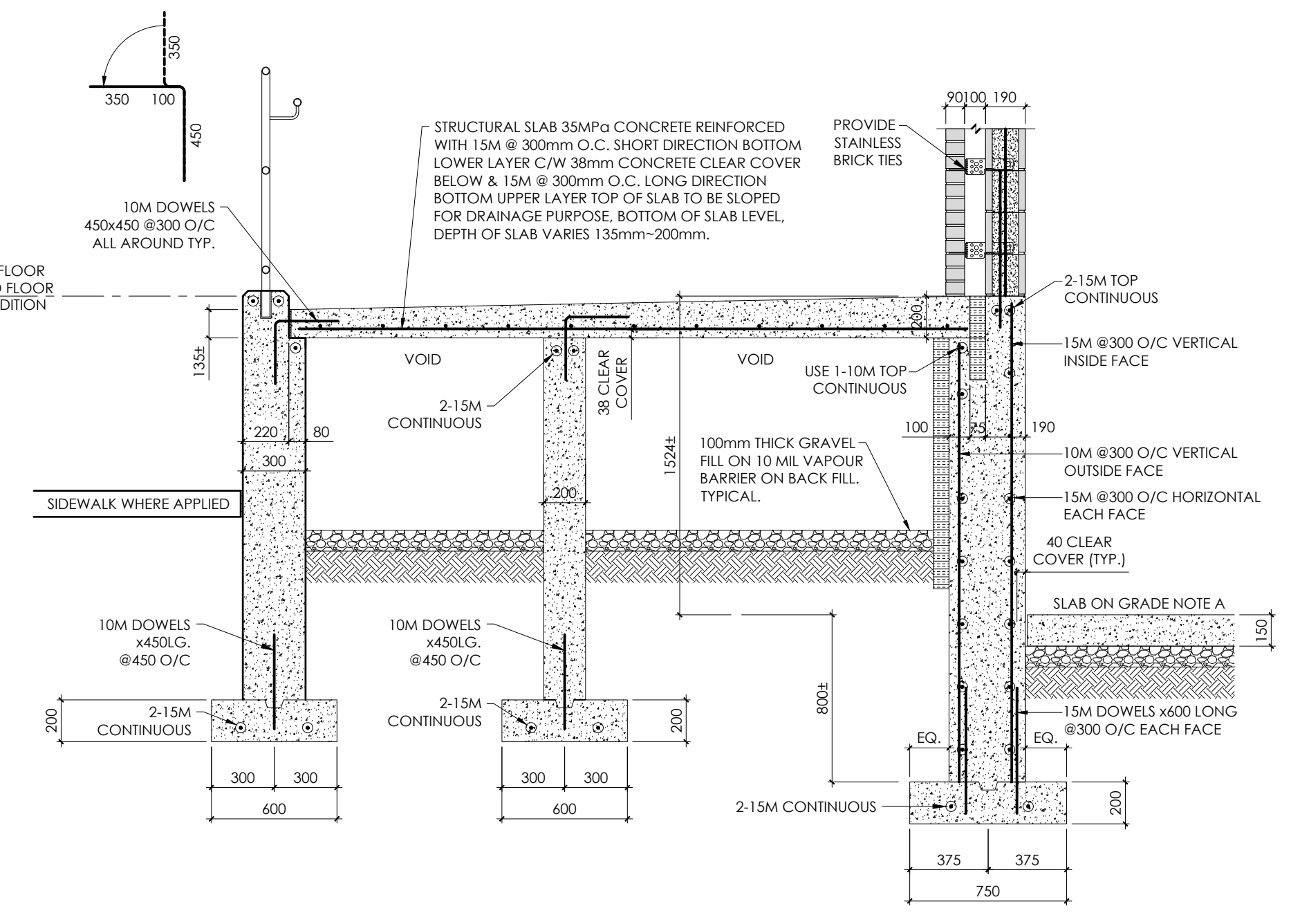
LEVEL 2 & 3 FLOOR FRAMING PLANS

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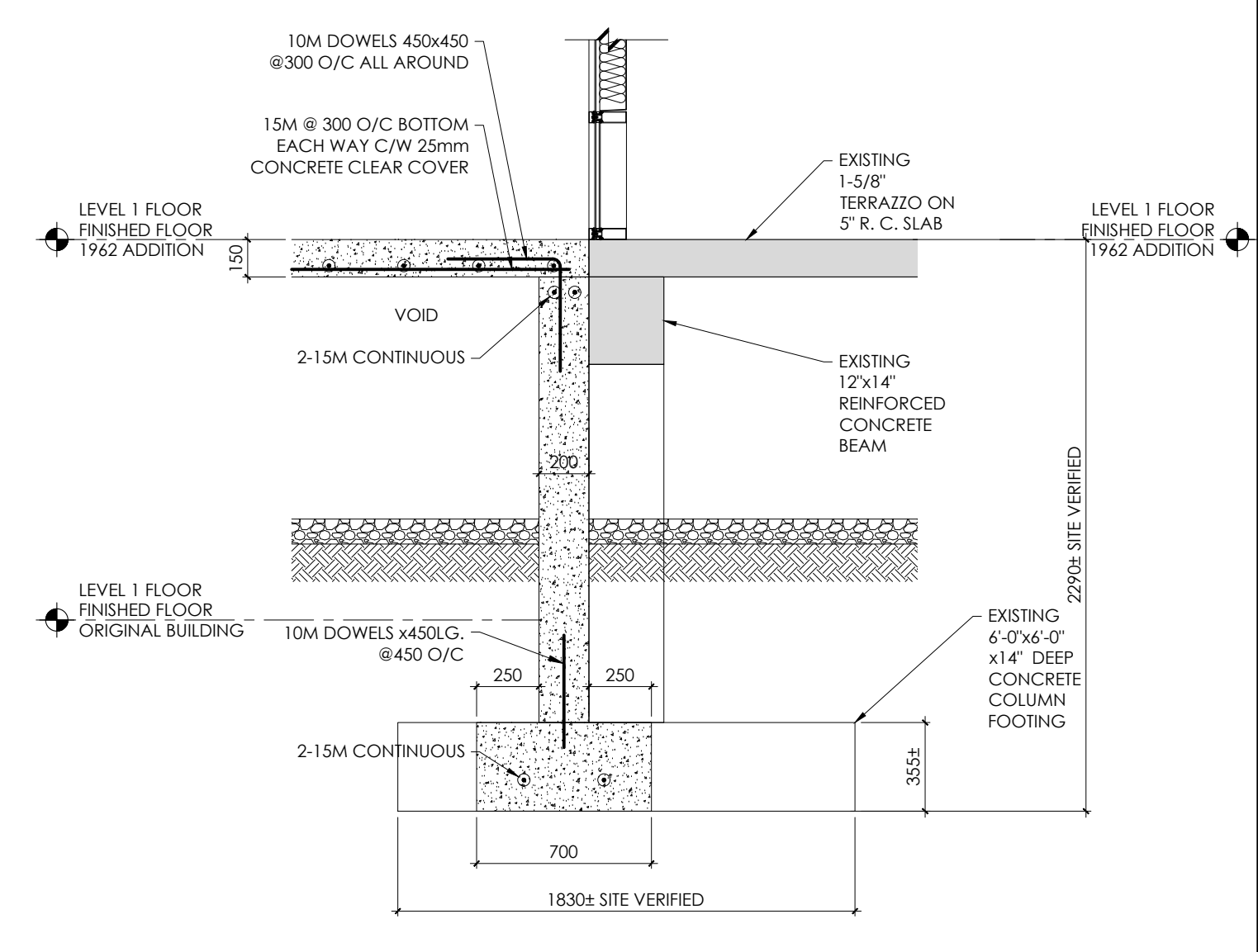




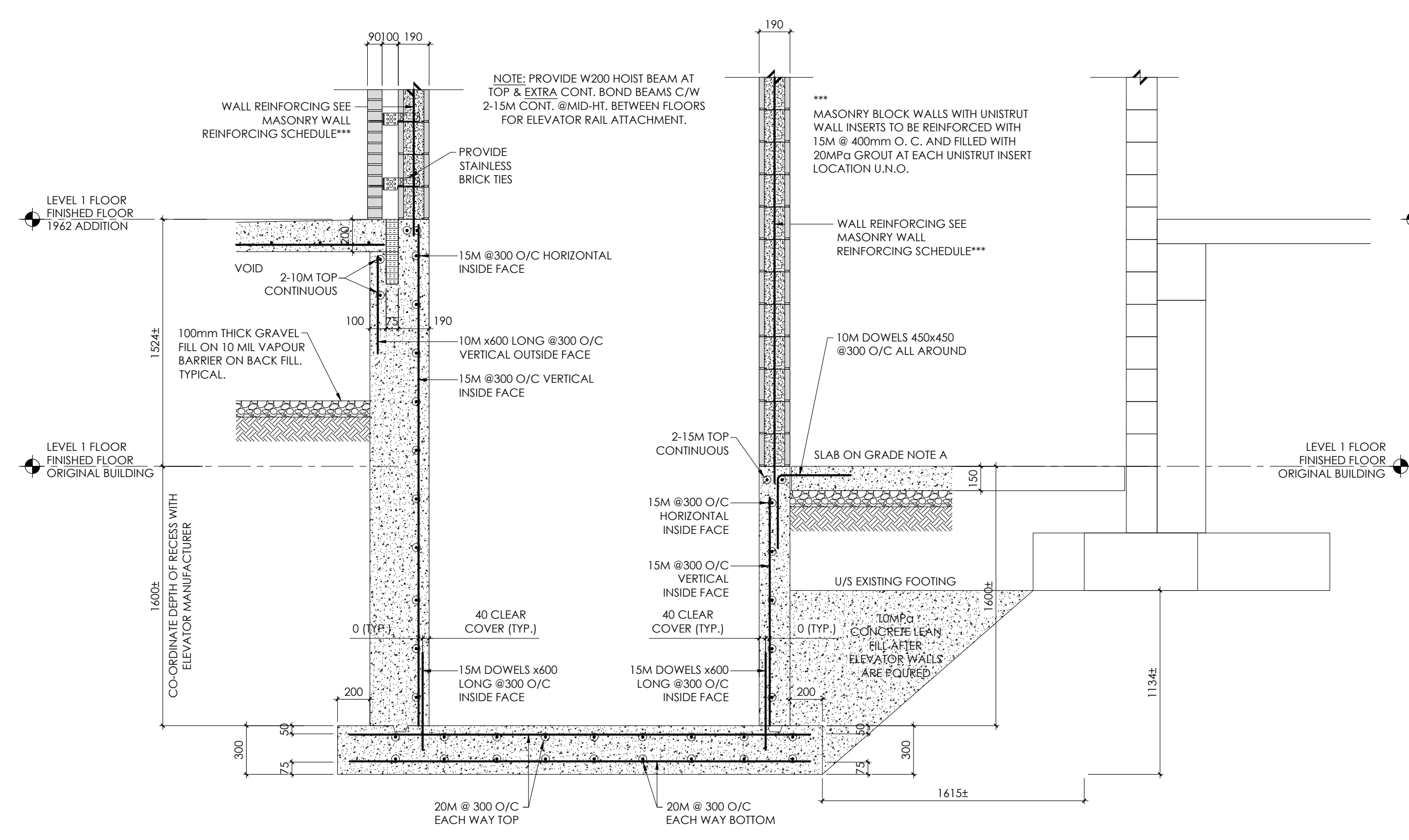
101 SECTION THROUGH ELEVATOR BASE  
S3.1



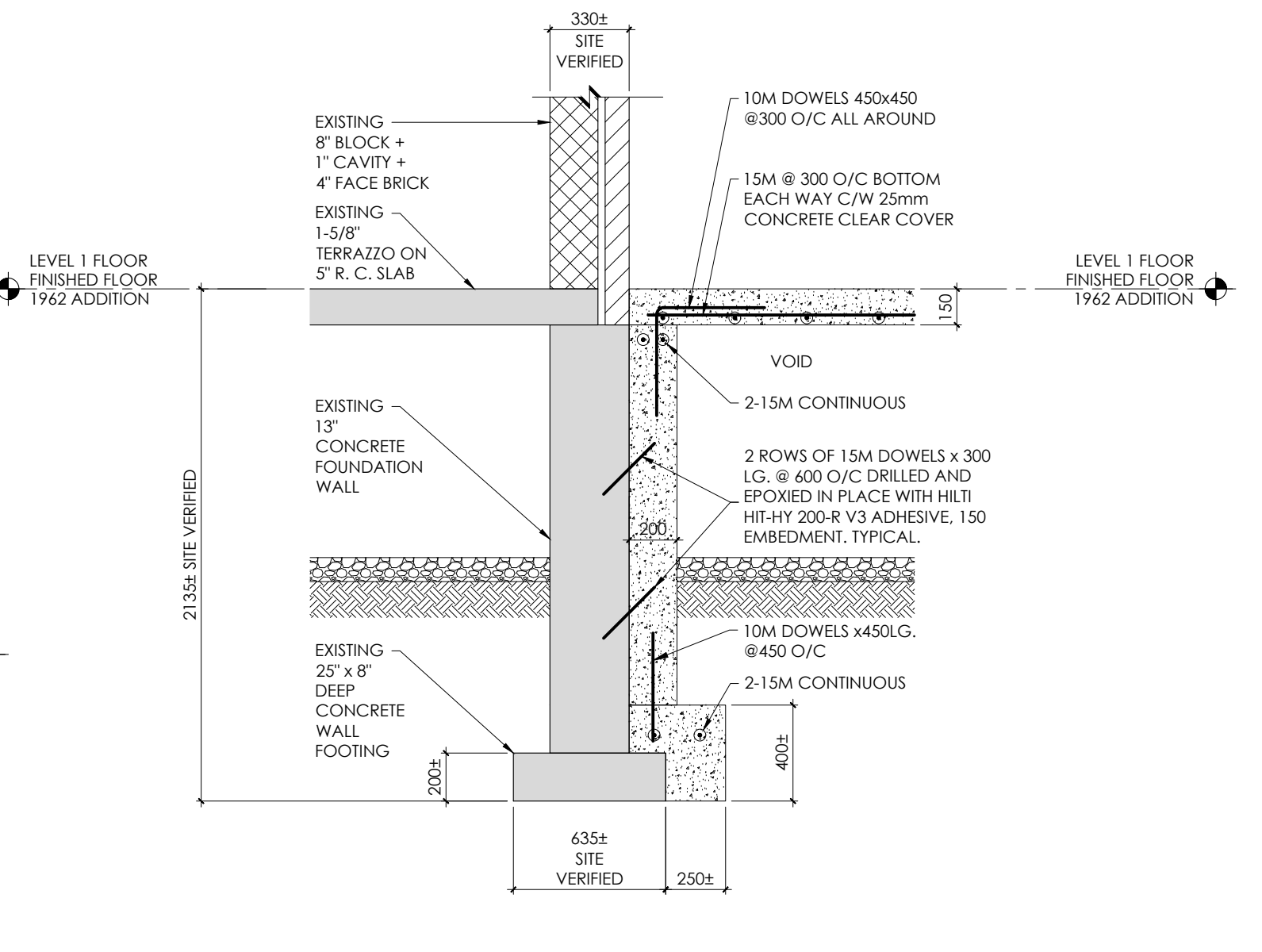
103 SECTION THROUGH FOUNDATION WALL  
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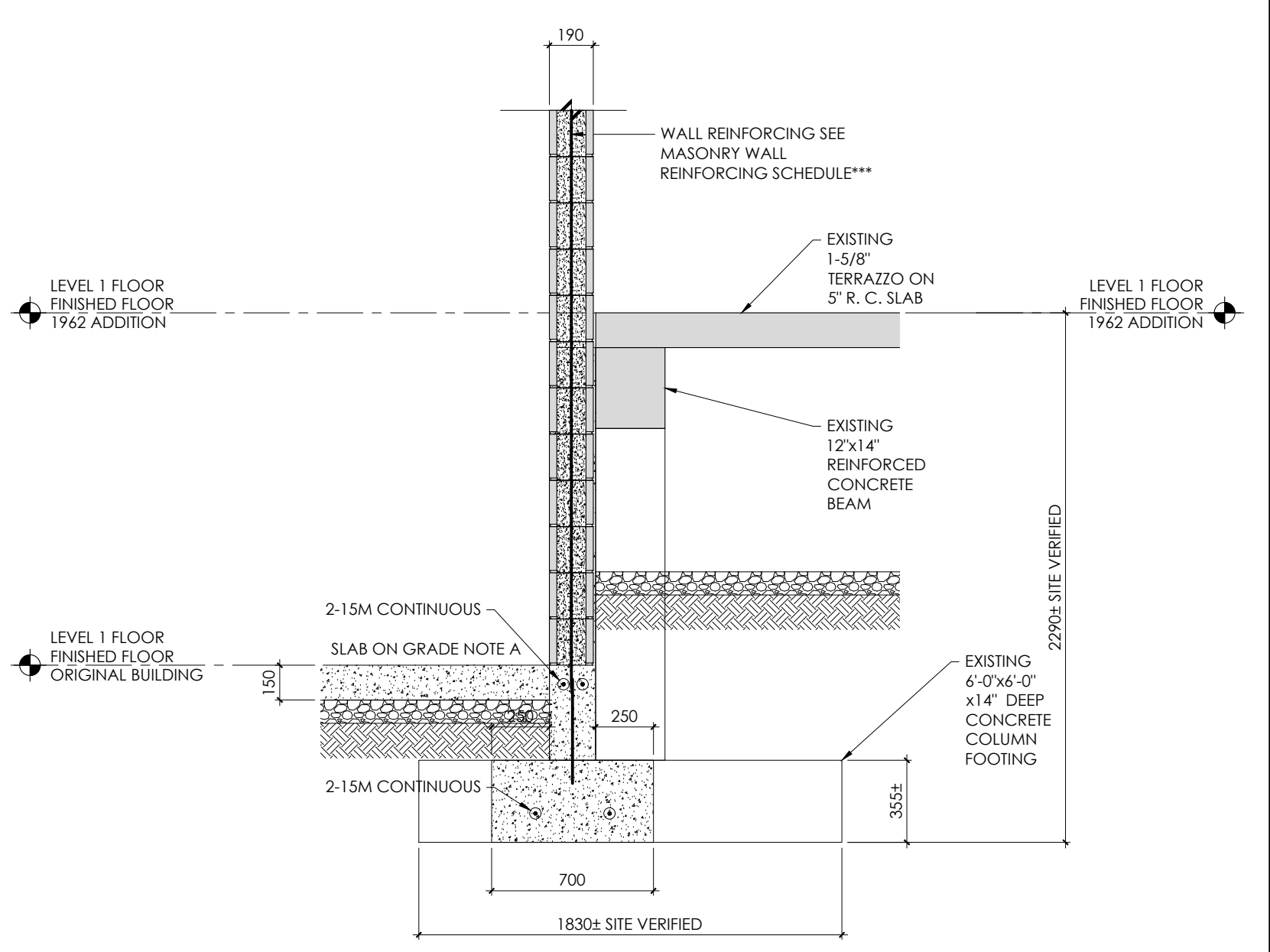
105 SECTION THROUGH NEW FOUNDATION WALL ADJACENT EXISTING FLOOR  
S3.1



102 SECTION THROUGH ELEVATOR BASE  
S3.1



104 SECTION THROUGH NEW FOUNDATION WALL ADJACENT EXISTING FOOTING  
S3.1



106 SECTION THROUGH NEW FOUNDATION WALL ADJACENT EXISTING FLOOR  
S3.1

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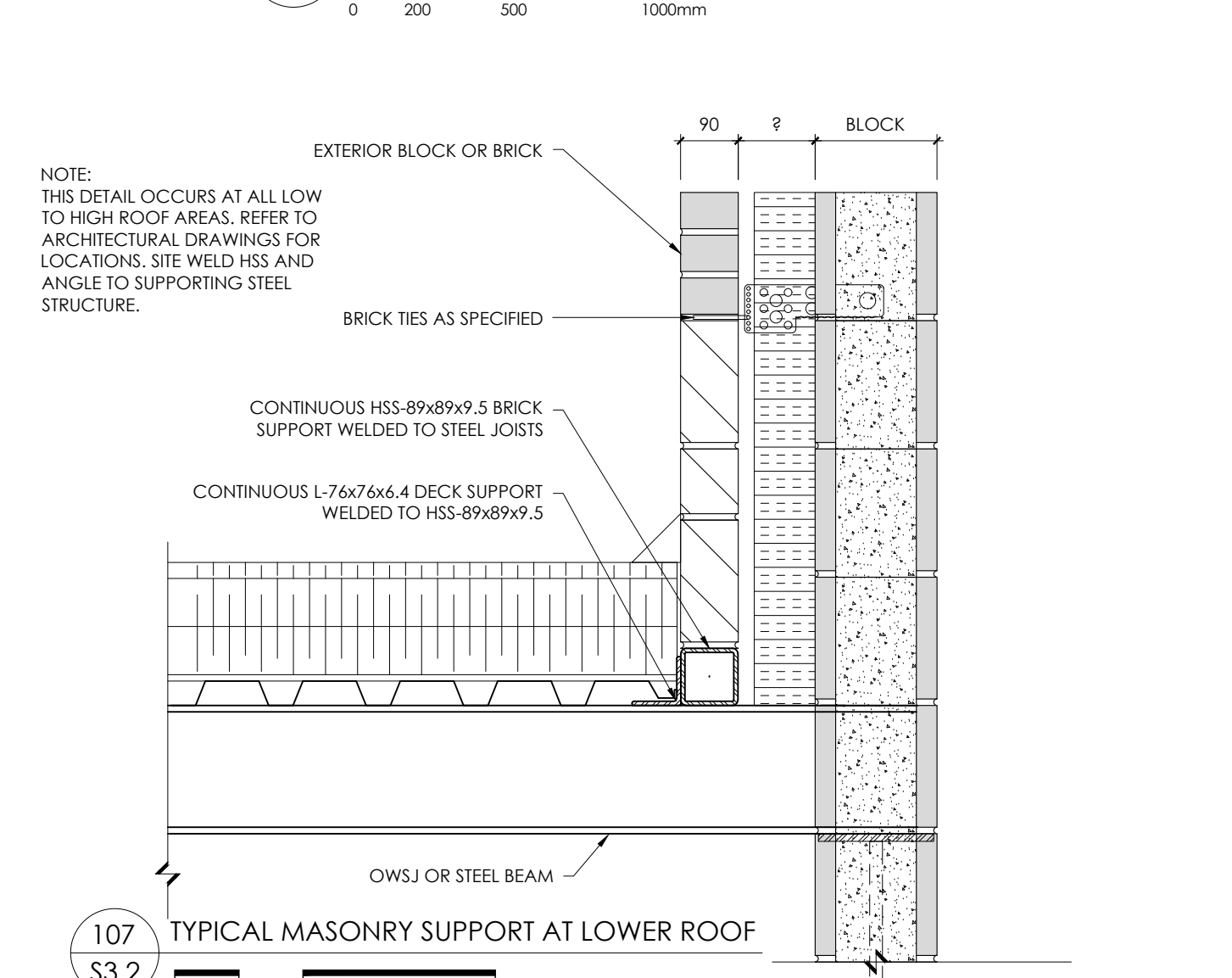
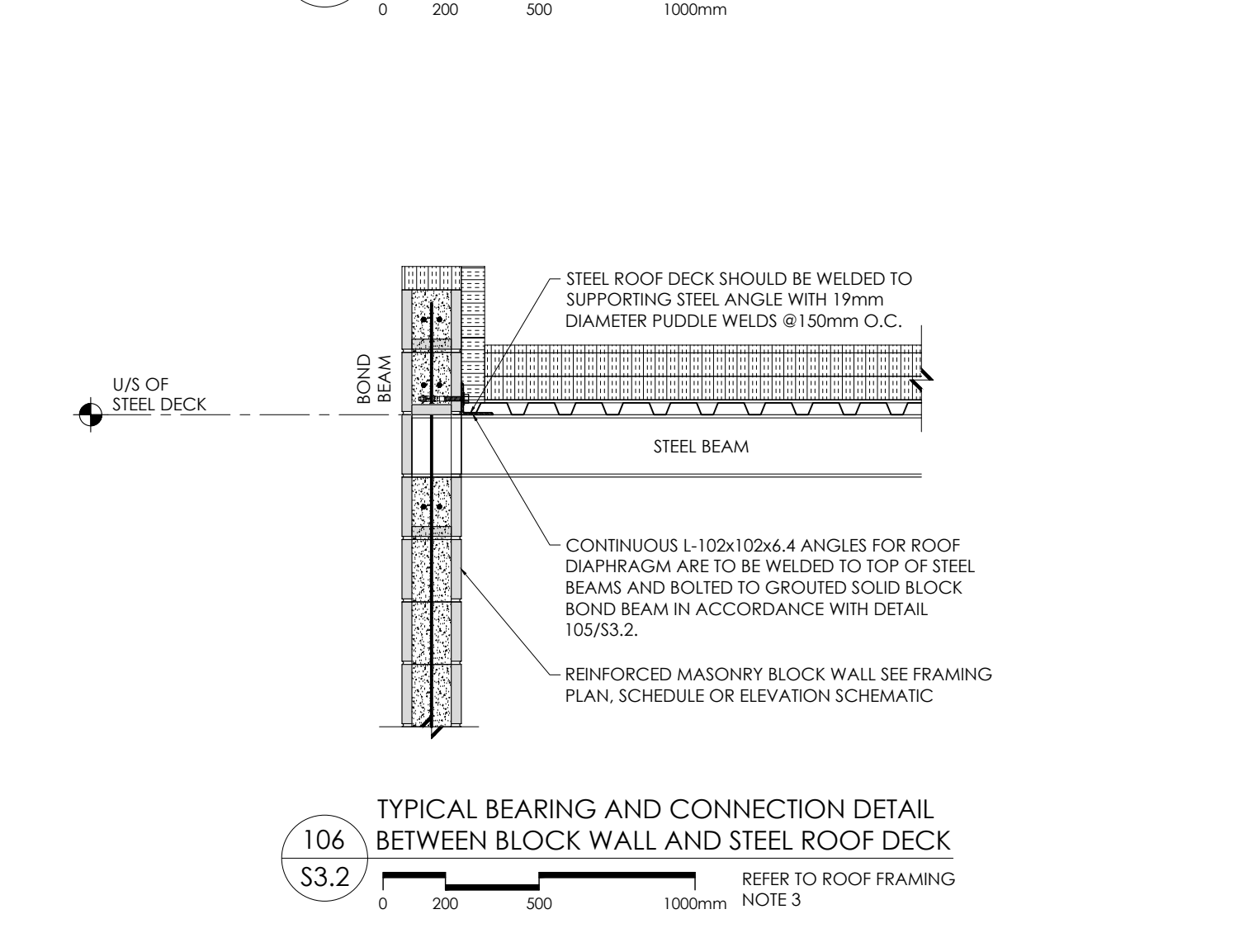
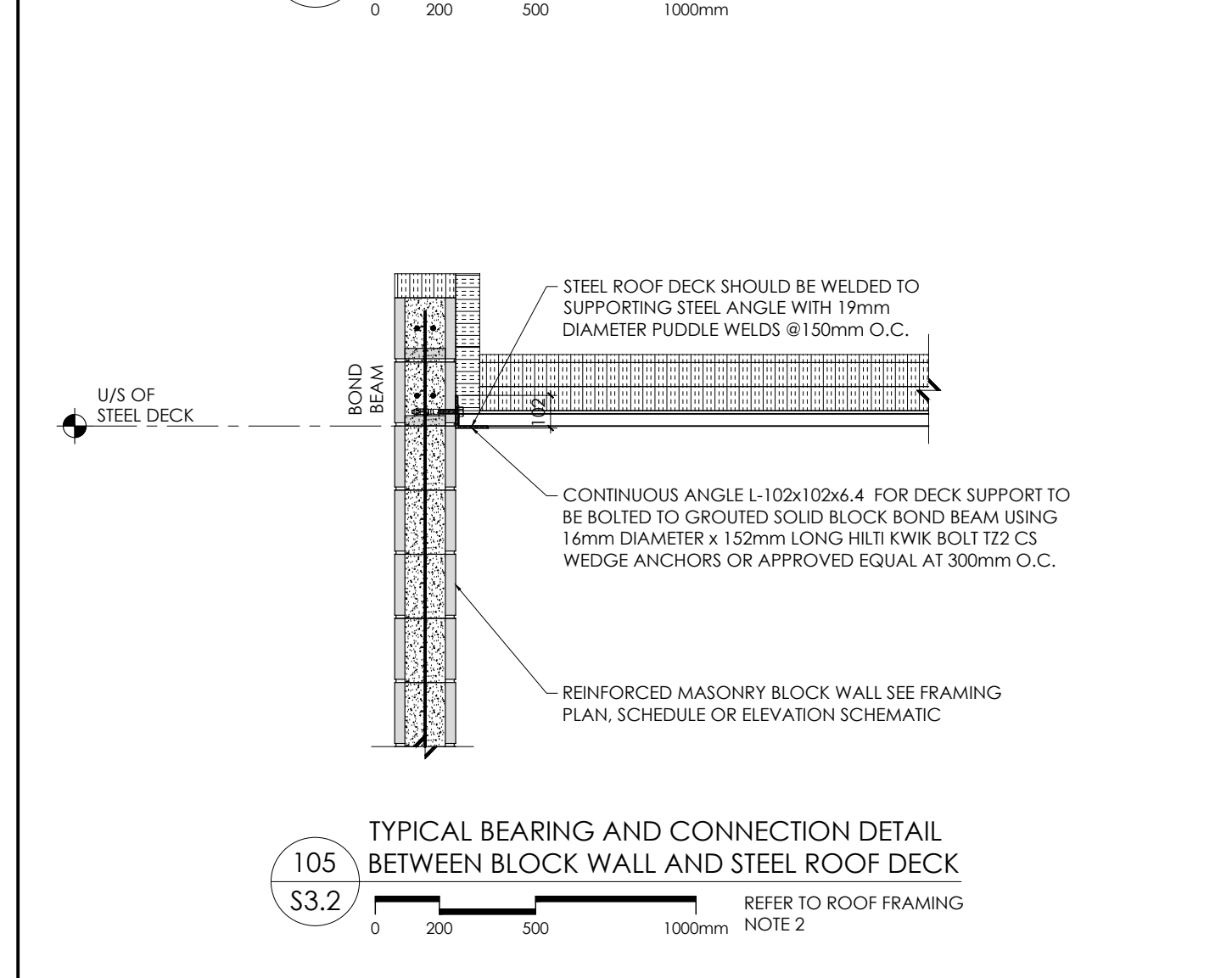
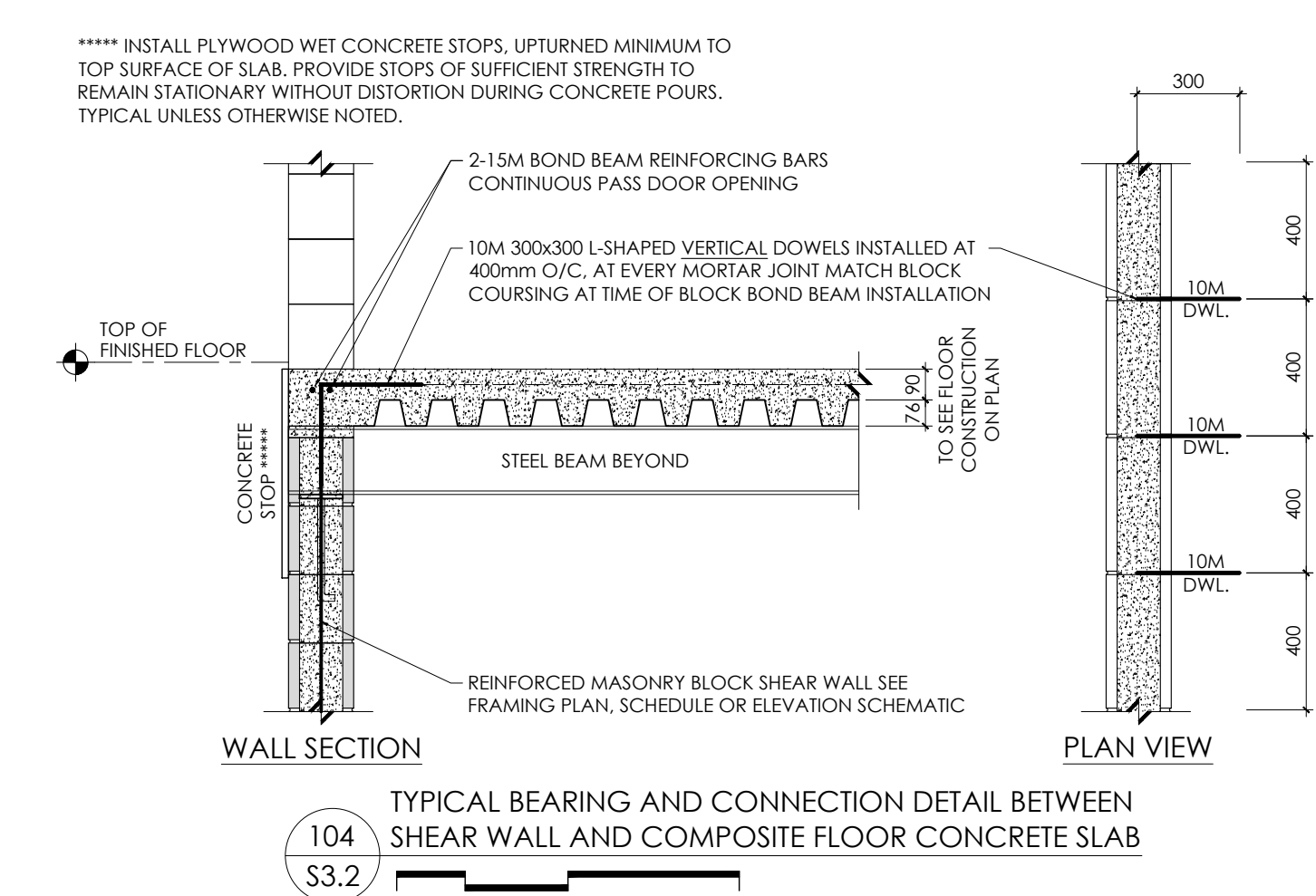
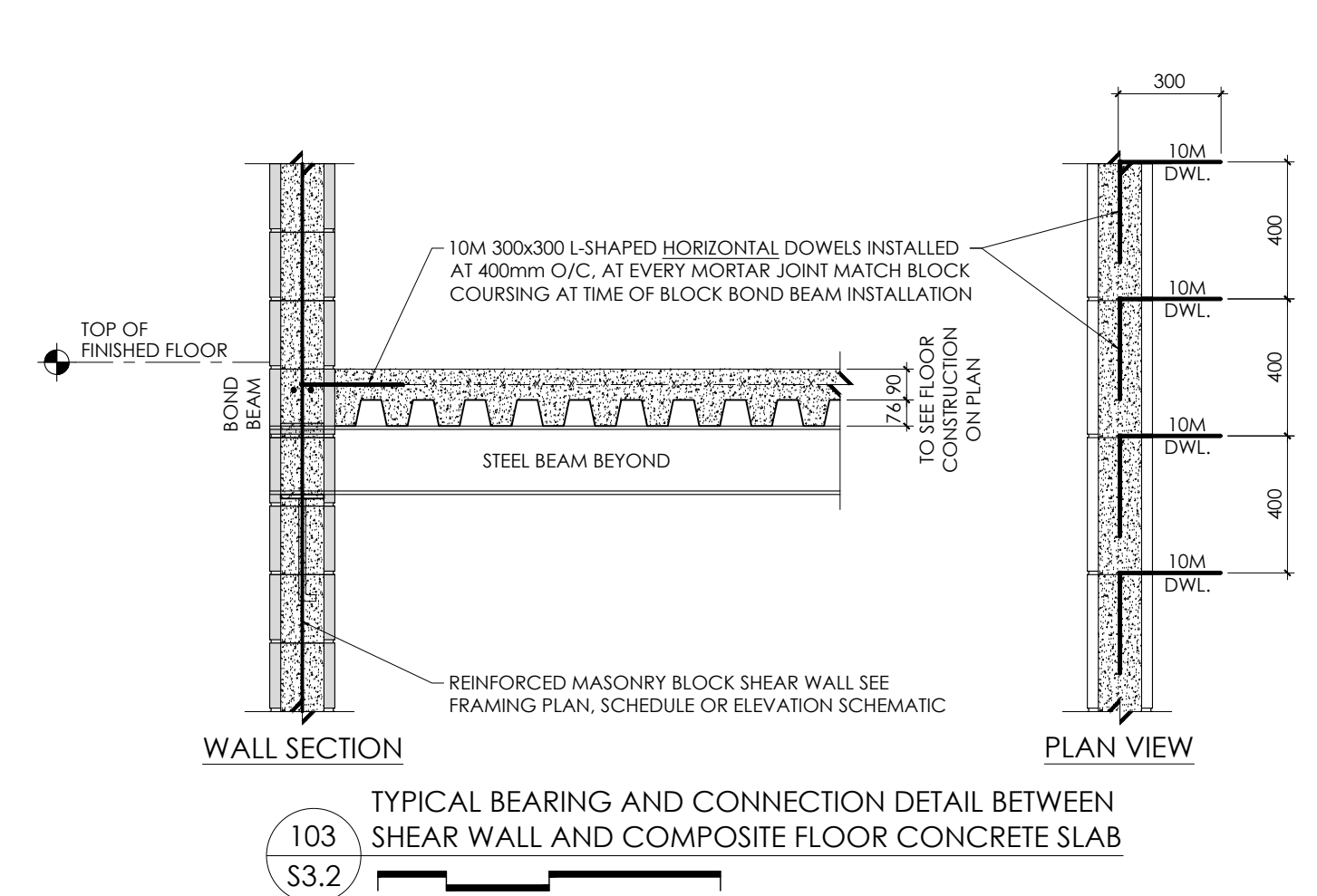
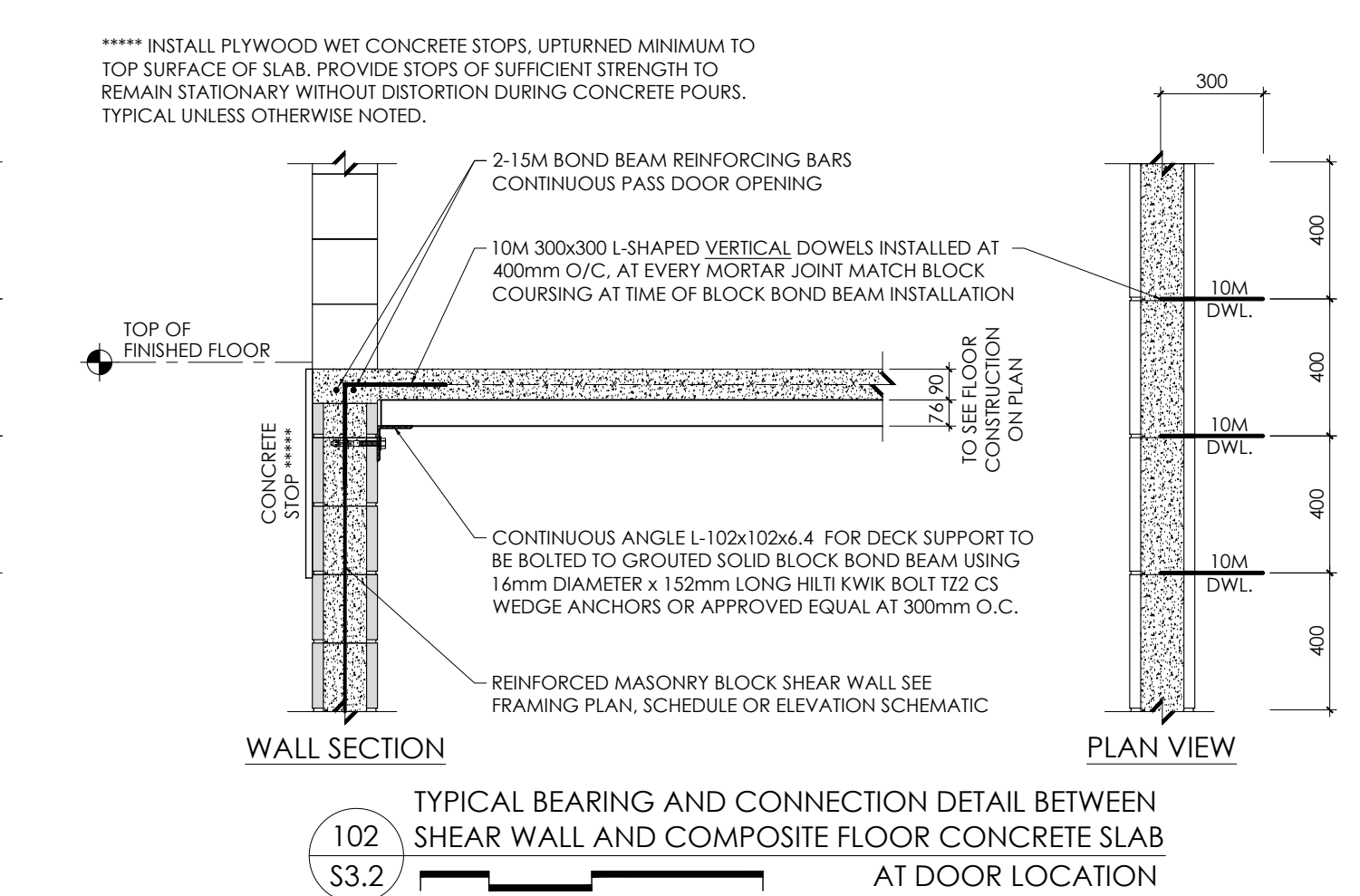
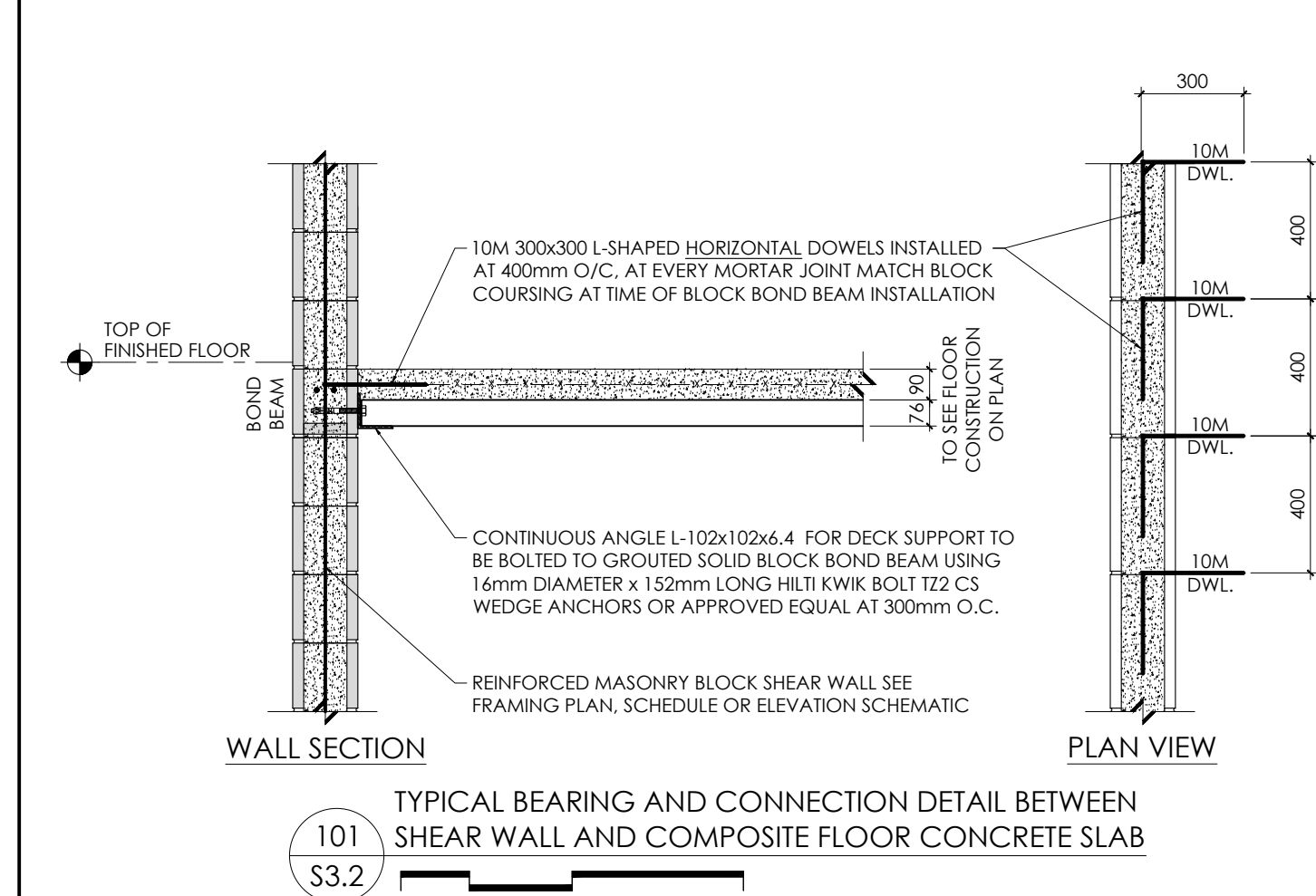
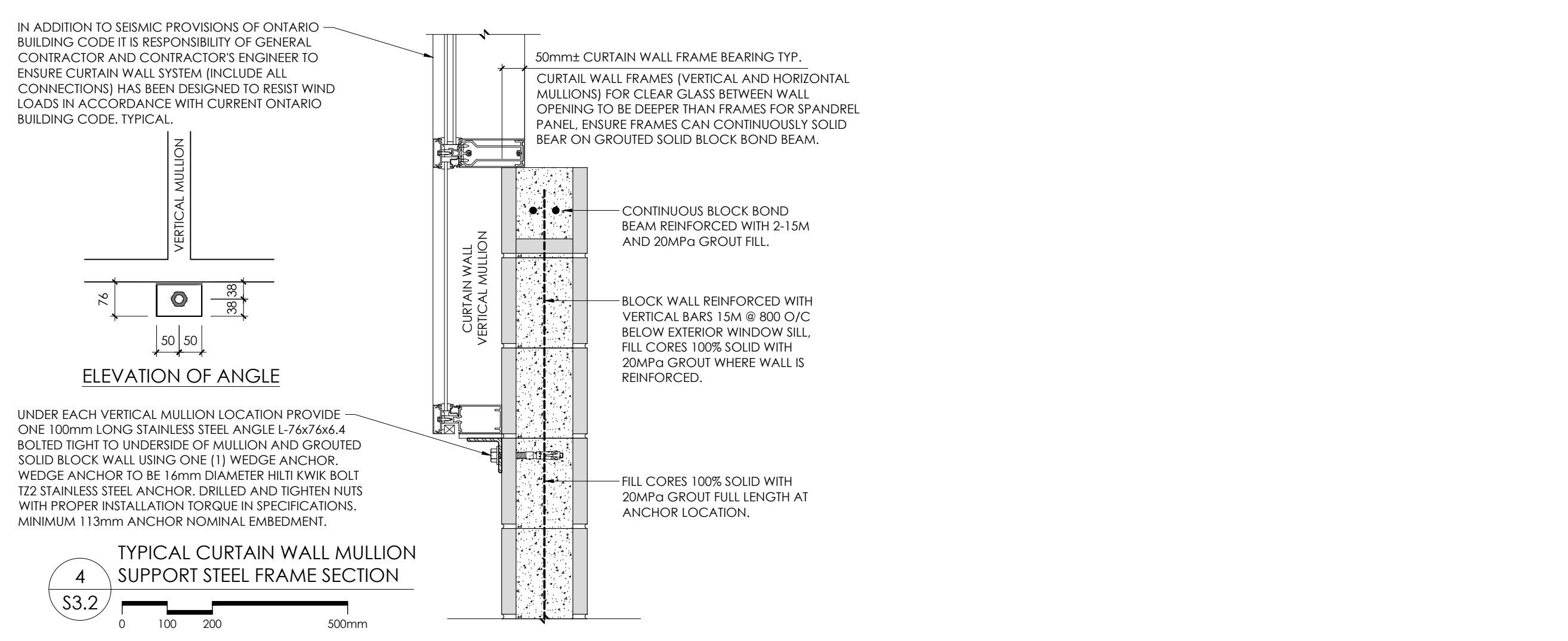
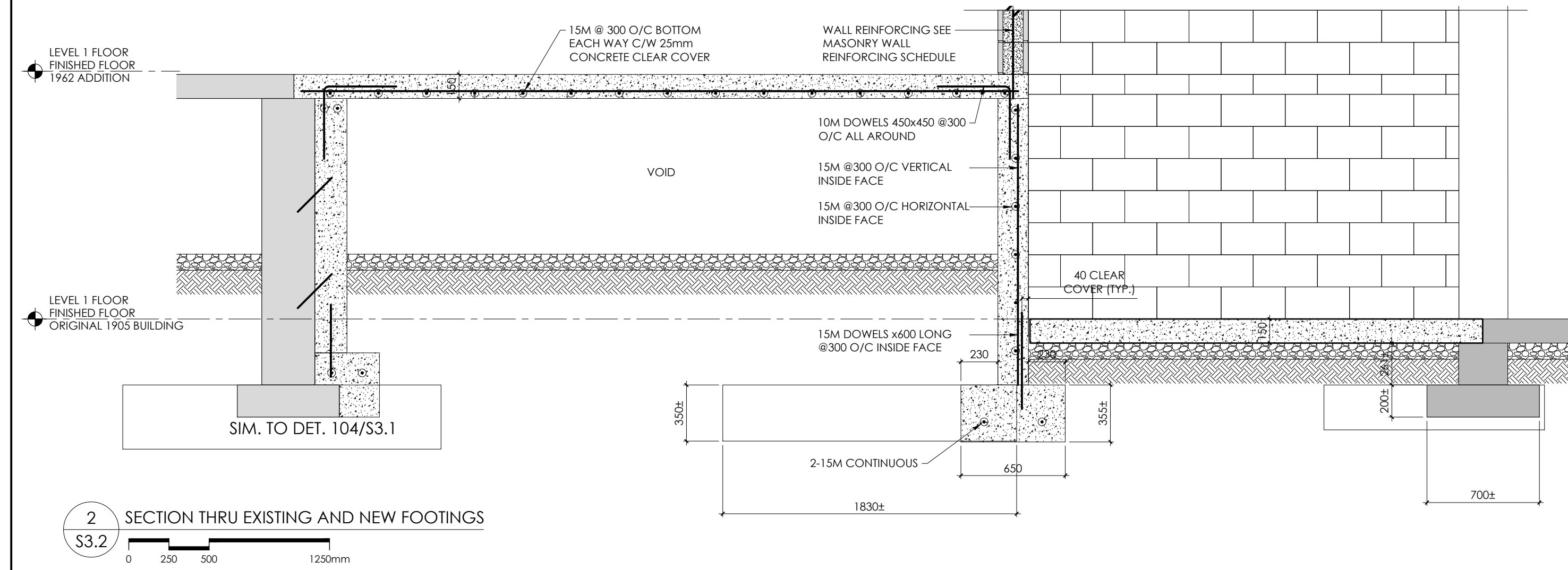
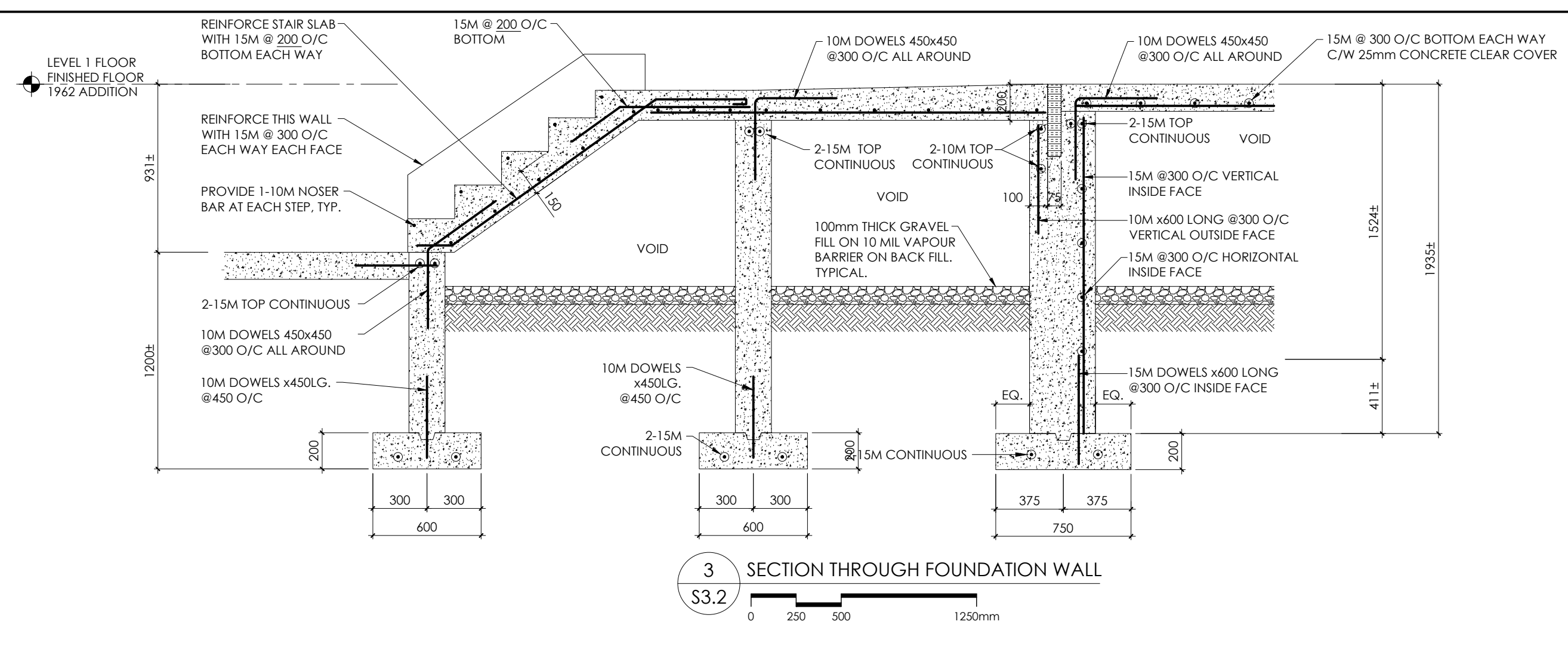
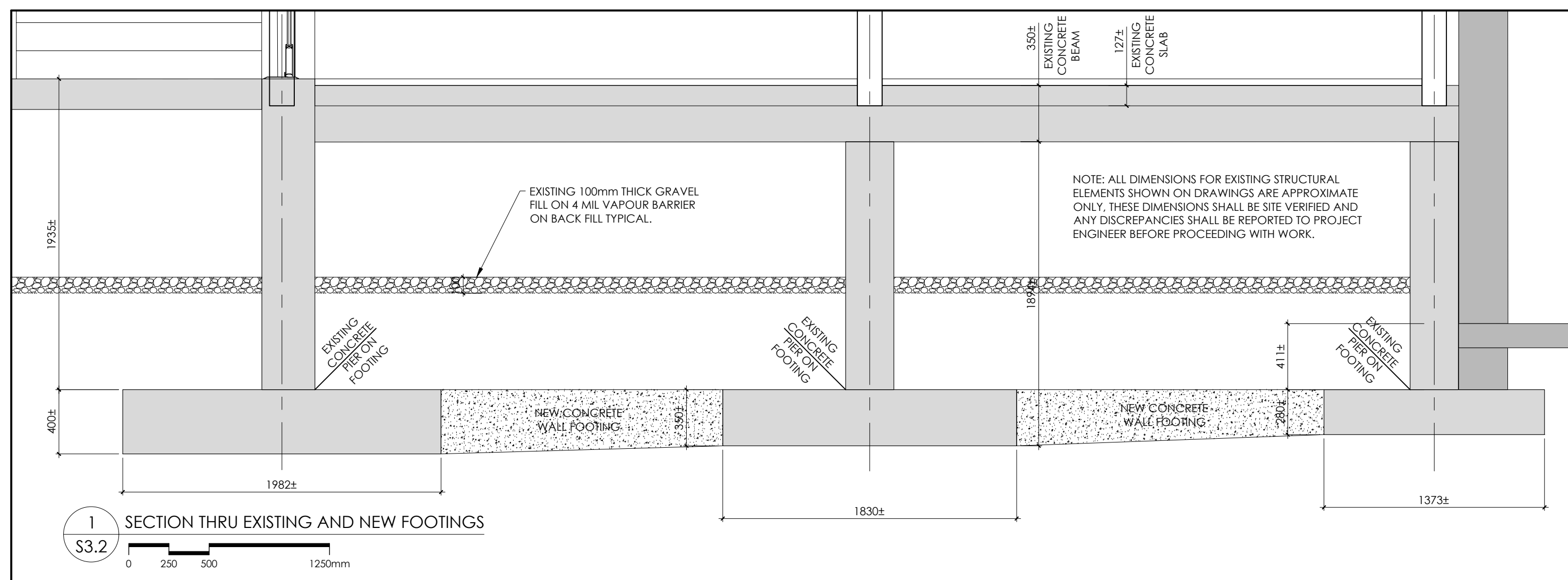
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