

CENTRAL PUBLIC SCHOOL -
ACCESSIBILITY, HVAC & WINDOW
UPGRADES

ARCHITECTURAL

SV TOPOGRAPHICAL SURVEY
SP1 SITE PLAN
SP2 SITE PLAN

- A01 FIRE SEPARATIONS & OBC MATRIX
- A02 DEMOLITION - GROUND FLOOR PLAN
- A03 DEMOLITION - SECOND FLOOR PLAN
- A04 PROPOSED - GROUND FLOOR PLAN
- A05 PROPOSED - SECOND FLOOR PLAN
- A06 DEMOLITION - REFLECTED CEILING PLAN
- A07 PROPOSED - REFLECTED CEILING PLAN
- A08 EXTERIOR ELEVATIONS
- A09 WALL SECTIONS AND DETAILS
- A10 WASHROOM PLANS, INTERIOR ELEVATIONS & DETAILS
- A11 FLOOR PATTERN PLANS

STRUCTURAL

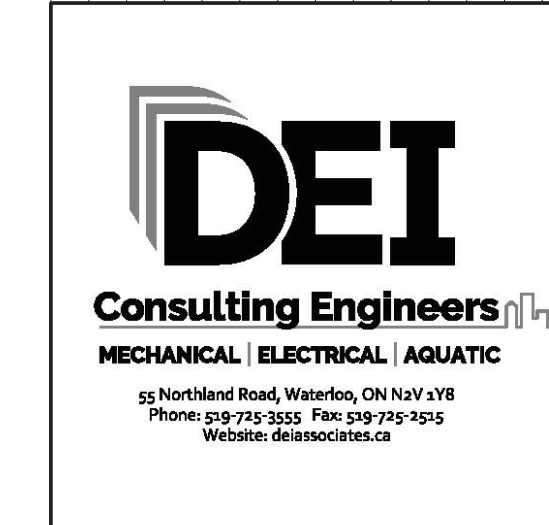
- S1.1 STRUCTURAL INFORMATION
- S1.2 STANDARD DETAILS
- S2.1 PART FOUNDATION AND SECOND FLOOR FRAMING PLAN
- S2.2 PART MAIN ROOF FRAMING PLAN

MECHANICAL

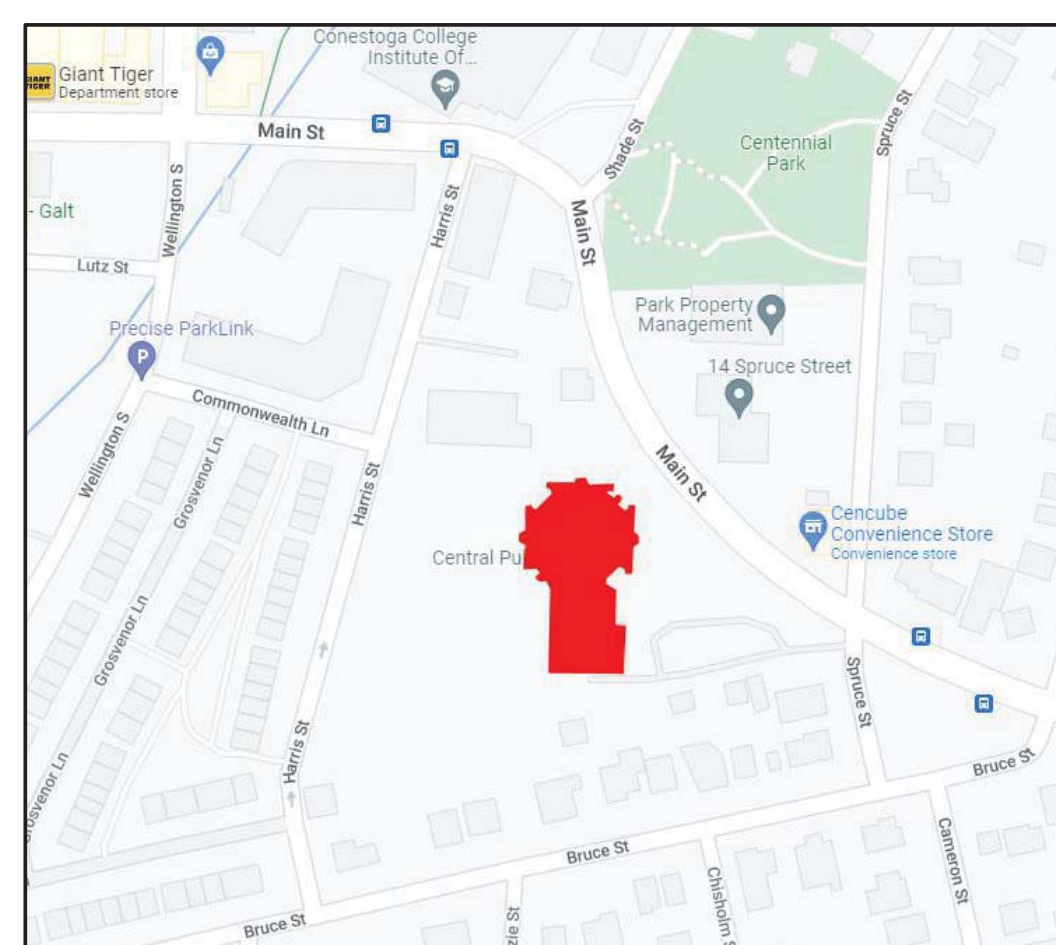
- M1 SCHEDULE, LEGEND AND KEY PLAN
- M2 GROUND FLOOR PLAN - DEMOLITION DRAINAGE AND DOMESTIC
- M3 GROUND FLOOR PLAN - DEMOLITION HEATING AND VENTILATION
- M4 SECOND FLOOR PLAN - DEMOLITION HEATING AND VENTILATION
- M5 GROUND FLOOR PLAN - RENOVATION DRAINAGE AND DOMESTIC
- M6 GROUND FLOOR PLAN - RENOVATION HEATING AND VENTILATION
- M7 SECOND FLOOR PLAN - RENOVATION HEATING AND VENTILATION
- M8 PARTIAL ROOF PLAN - RENOVATION AND DETAILS

ELECTRICAL

- E01 SCHEDULES, LEGEND AND KEY PLAN
- E02 GROUND FLOOR DEMOLITION PLAN
- E03 SECOND FLOOR DEMOLITION PLAN
- E04 GROUND FLOOR RENOVATION LIGHTING PLAN
- E05 SECOND FLOOR RENOVATION LIGHTING PLAN
- E06 GROUND FLOOR RENOVATION POWER & SYSTEMS PLAN
- E07 SECOND FLOOR RENOVATION POWER & SYSTEMS PLAN
- E08 DISTRIBUTION RISER



KEY PLAN



CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC &
WINDOW UPGRADES

175 MAIN ST. CAMBRIDGE, ON. N1R 1W5
DEC. 2022

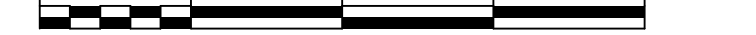
SET No.

PROJECT NUMBER

20118

SKETCH SHOWING TOPOGRAPHIC DETAIL
175 MAIN STREET EAST
 CITY OF CAMBRIDGE
 REGIONAL MUNICIPALITY OF WATERLOO

SCALE 1 : 250



J.D. BARNES LIMITED

CAUTION THIS PLAN IS NOT A PLAN OF SURVEY AND SHALL ONLY BE USED FOR THE PURPOSE INDICATED IN THE TITLE BLOCK

NOTES

THE HORIZONTAL REFERENCE FRAME FOR THIS PLAN IS UTM GRID; DERIVED FROM REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS)(2010.0).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999599.

THE BOUNDARY INFORMATION SHOWN HEREON, HAS BEEN VERIFIED IN FIELD, BY THIS OFFICE, ON THE 16th DAY OF NOVEMBER, 2022.

UNDERGROUND SERVICES INFORMATION WAS COLLECTED AND PROVIDED BY ONSITE LOCATES INC., AND HAS BEEN INTEGRATED INTO THIS PLAN; SEE BELOW FOR UNDERGROUND UTILITY NOTES.

ELEVATION NOTES

ELEVATIONS SHOWN HEREON ARE OF GEODETIC ORIGIN (CGVD-1928:1978), AND ARE DERIVED GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOD MODEL HT2.0.

LOCAL BENCHMARK

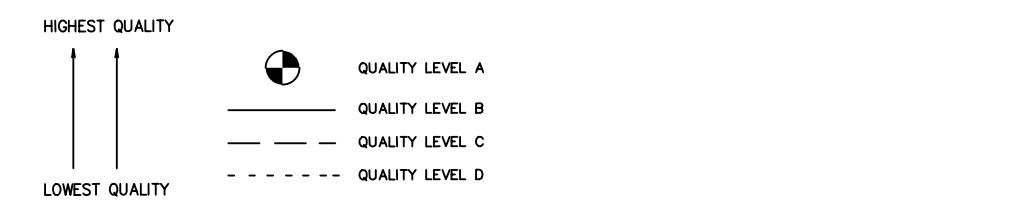
TOP NUT OF FIRE HYDRANT LOCATED JUST NORTH OF THE ENTRYWAY INTO CENTRAL PARK PUBLIC SCHOOL, AT THE SOUTH WEST CORNER OF THE MAIN STREET EAST AND SPRUCE STREET JUNCTION.

ELEVATION: 290.72m

UNDERGROUND UTILITY NOTES

THE UTILITY DATA DEPICTED ON THIS DRAWING WERE ACQUIRED IN ACCORDANCE WITH ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY ATTRIBUTED QUALITY LEVELS WHICH ARE DEFINED AS FOLLOWS:

DATA QUALITY LEVEL



QUALITY LEVEL "A" - INFORMATION OBTAINED BY ACTUAL PHYSICAL EXPOSURE OF TARGETED UTILITIES AND SUBSEQUENT MEASUREMENT OF THE EXPOSED PRECISE HORIZONTAL AND VERTICAL POSITION.

QUALITY LEVEL "B" - INFORMATION OBTAINED USING GEOPHYSICAL LOCATE TECHNIQUES TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE DESIGNATED UTILITIES.

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO THE QUALITY "D" INFORMATION OBTAINED.

QUALITY LEVEL "D" - INFORMATION DERIVED FROM UTILITY RECORDS OR VERBAL RECOLLECTIONS

ALL SERVICES ARE QUALITY "D" UNLESS NOTED OTHERWISE. LEVEL "D" RECORD INFORMATION SHOWN ON THIS PLAN HAVE BEEN PLOTTED APPROXIMATELY AS PER THE RECORDS FOUND AND COULD NOT BE FIELD VERIFIED WITHIN THE SCOPE OF THIS PROJECT. IF FURTHER VERIFICATION IS REQUIRED, IT IS SUGGESTED THAT LEVEL "A" METHODOLOGIES BE EMPLOYED.

LOST SIGNAL- DENOTES/INDICATES A POINT WHERE Q-L-B METHODS COULD NO LONGER ASCERTAIN THE HORIZONTAL POSITION OF A FACILITY.

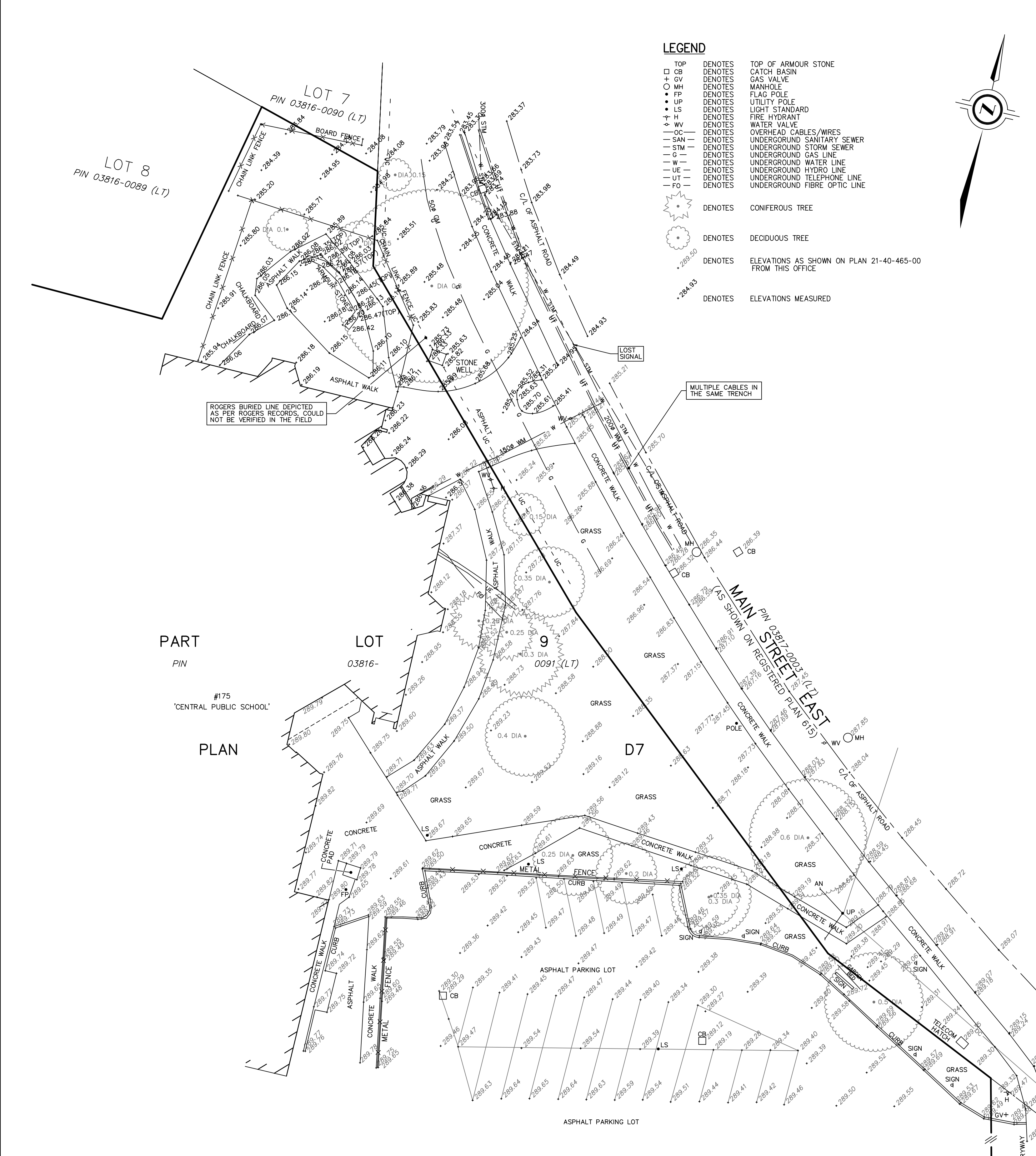
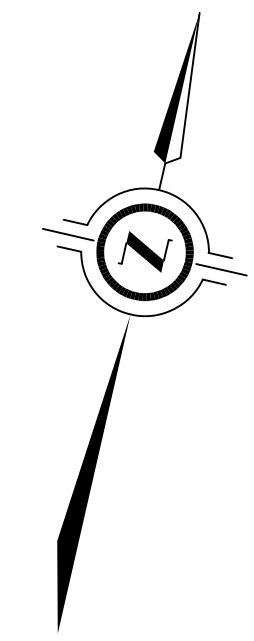
QUALITY LEVEL "D" INFORMATION COMPILED FROM RECORDS PROVIDED BY CITY OF CAMBRIDGE, DRAWING NUMBER-A273-10P-A-189-2, ROGERS REFERENCE No. 0225695, REGION OF WATERLOO SITE SERVICING PLAN SHEET No. C4-1

CAUTION: CALL BEFORE YOU DIG

THIS PLAN IS INTENDED FOR DESIGN PURPOSES ONLY. OTHER BURIED UTILITIES MAY EXIST WHICH ARE NOT SHOWN DUE TO INSUFFICIENT INFORMATION OR IMPROPER INSTALLATION. CONTACT ALL POTENTIAL OWNERS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OR BREAKING GROUND. IT IS THE RESPONSIBILITY OF THE CONTRACTOR/BUILDER TO ENSURE THE APPROPRIATE LEGAL REQUIREMENTS ARE MET.

LEGEND

- TOP DENOTES TOP OF ARMOUR STONE
- CB DENOTES CATCH BASIN
- GV DENOTES GAS VALVE
- MH DENOTES MANHOLE
- FP DENOTES FLAG POLE
- UP DENOTES UTILITY POLE
- LS DENOTES LIGHT STANDARD
- H DENOTES FIRE HYDRANT
- WV DENOTES WATER VALVE
- OC DENOTES OVERHEAD CABLES/WIRES
- SAN DENOTES UNDERGROUND SANITARY SEWER
- STM DENOTES UNDERGROUND STORM SEWER
- G DENOTES UNDERGROUND GAS LINE
- W DENOTES UNDERGROUND WATER LINE
- UE DENOTES UNDERGROUND HYDRO LINE
- UT DENOTES UNDERGROUND TELEPHONE LINE
- FO DENOTES UNDERGROUND FIBRE OPTIC LINE
- CONIFEROUS TREE DENOTES CONIFEROUS TREE
- DECIDUOUS TREE DENOTES DECIDUOUS TREE
- ELEVATIONS AS SHOWN ON PLAN 21-40-465-00 FROM THIS OFFICE DENOTES ELEVATIONS AS SHOWN ON PLAN 21-40-465-00 FROM THIS OFFICE
- ELEVATIONS MEASURED DENOTES ELEVATIONS MEASURED



PART
 PIN
 #175
 'CENTRAL PUBLIC SCHOOL'
 PLAN

LOT
 03816-

D7

MAIN STREET EAST
 PIN 03817-0023 (LT)
 AS SHOWN ON REGISTERED PLAN 615

PIN 03816-0007 (LT)
 SPRUCE STREET

LOT 4
 PIN 03816-0097 (LT)
 REGISTERED NORTH OF LOT 3 OF LOT 4 LOT 3

LOT 3
 PIN 03816-0099 (LT)
 PLAN

LOT 2
 PIN 03816-0100 (LT)
 BRUCE STREET

LOT 1
 PIN 03816-0101 (LT)
 615

BEFORE DIGGING, UNDERGROUND SERVICES SHOULD BE LOCATED ON SITE BY THE RESPECTIVE AGENCIES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE LOCAL BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED, AND THAT THE RELATIVE ELEVATIONS AGREE WITH THE INFORMATION SHOWN ON THIS PLAN.

ORIGINAL FIELD SURVEY COMPLETED ON THE 3rd DAY OF JANUARY, 2022.

SUBSURFACE UTILITY FIELD WORK WAS COMPLETED ON THE 7th OF NOVEMBER, 2022. ADDITIONAL TOPO FIELD SURVEY COMPLETED ON THE 7th DAY OF NOVEMBER, 2022.

DATE	REVISIONS/COMMENTS
NOVEMBER 15, 2022/ NOVEMBER 28, 2022	ADDITIONAL TOPOGRAPHIC DETAIL ADDED TO PLAN 21-40-465-00 AS PER REQUESTED; BOUNDARY SURVEY COMPLETED AND ADDED TO SURVEY.
DECEMBER 1, 2022	REMAINING TOPO DATA ADDED, AND UNDERGROUND SERVICES INFORMATION (RECEIVED FROM ONSITE LOCATES INC.) AND INTEGRATED INTO SURVEY

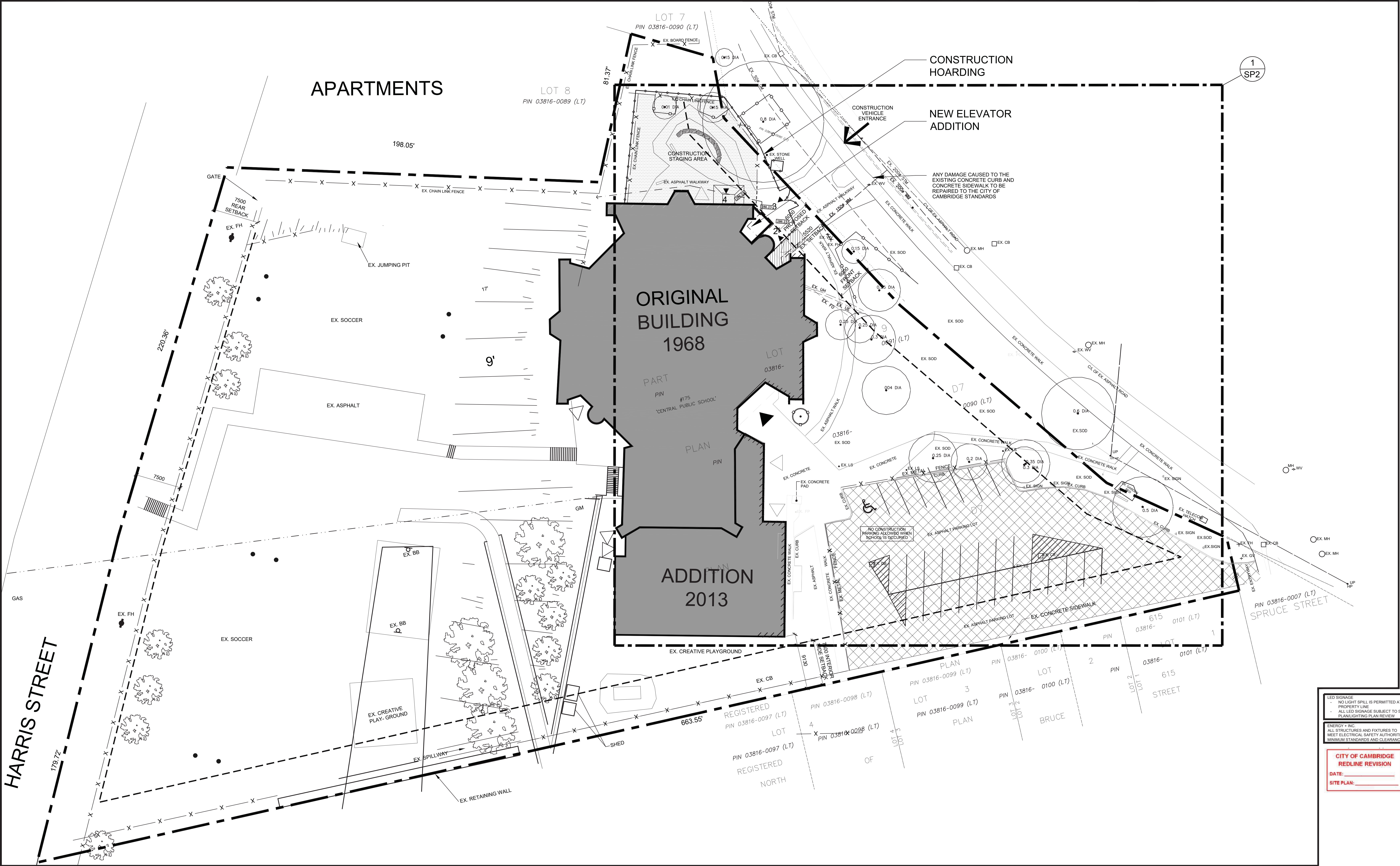
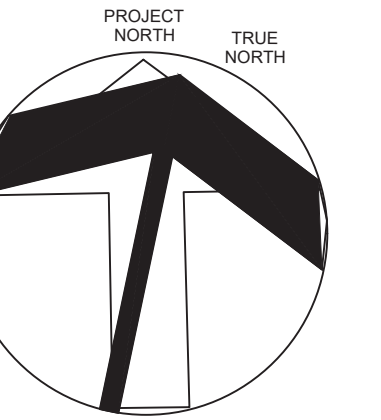
<p>ONSITE LOCATES INC. UTILITY LOCATE SERVICES A wholly owned subsidiary of J.D. Barnes Ltd.</p>		<p>J.D. BARNES LIMITED SURVEYING MAPPING GIS LAND INFORMATION SPECIALISTS 4273 KING ST. E., #100, KITCHENER, ON, N2P 2E9 T: (519) 578-2220 F: (519) 650-5625 www.jdbarnes.com</p>	
140 RENFREW DRIVE, SUITE 100, MARKHAM, ON L3R 6B3 T: 1-800-805-6155 www.onsitelocates.ca	DRAWN BY: CM CHECKED BY: JS REFERENCE NO.: 21-46-32142 FILE: 21-46-32142-Nov30.dgn	DRAWN BY: CB CHECKED BY: BRC REFERENCE NO.: 21-40-465-00-(b) FILE: 21-40-465-00-01.dgn	DATED: 30/11/2022 PLOTTED: 12/1/2022 DATED: 01/12/2022

LEGEND

EX FH	EXISTING FIRE HYDRANT	CONSTRUCTION STAGING AREA
EX MH	EXISTING MANHOLE	TEMPORARY CONSTRUCTION COVERED WALKWAY
EX CB	EXISTING CATCH BASIN	EXISTING BASKETBALL POST
▲	EXISTING MAIN SCHOOL ENTRANCE	
▲	EXISTING SECONDARY SCHOOL ENTRANCE	
▲	EXISTING SIGN	
---	EXISTING CHAIN LINK FENCE	
---	CONSTRUCTION HOARDING	
---	TREE PROTECTION	
○	DENOTES EXISTING TREES TO REMAIN	

ZONING REGULATIONS N1R4 -INSTITUTIONAL

REGULATION	REQUIRED	PROVIDED	CONFORMS
LOT FRONTAGE	15 m	147.6m EXISTING	YES
LOT AREA	450 m ² Min.	14,561 m ² EXIST	YES
LOT COVERAGE (building)	40% Max.	15.24%	YES
FRONT YARD	6 m Min.	9.3 m EXISTING	YES
INTERIOR SIDE YARD	3m Min.	7.9 m EXISTING	YES
REAR YARD	7.5 m Min.	96.9 m EXISTING	YES
YARD ABUTTING R ZONES	7.5 m Min.	8.9 m EXISTING	YES
LANDSCAPE OPEN SPACE	30% Min.	EXISTING	YES



SITE & BLDG. STATS

ZONING: N1R4
 LEGAL DESCRIPTION: LOT 9, PLAN D-7
 OCCUPANCY: Public School

LOT AREA	(14,561m ²) 1.46 HECTARES
LOT COVERAGE	2,202.00m ²
Existing School	13.28m ²
Proposed Area of Addition	2,213.28m ²
Building Coverage	(15.24%)
Landscape Coverage Area	62.55%
Landscape Area	9,108 m ²

FRONT YARD SETBACK (exist. to remain) = 5.5m
 REAR YARD SETBACK (exist. to remain) = 56.9m
 EXT. SIDE YARD SETBACK (exist. to remain) = 8.9m
 INT. SIDE YARD SETBACK (exist. to remain) = 7.9m

PARKING STATISTICS

EXISTING SCHOOL (1986/2012)	REQ'D	PROVIDED
20	20	27

Required by By-Law 150/05
 1 SPACE PER CLASSROOM
 (ELEM. 20 Classrooms)

GARAGE FREE SPACES

REQ'D	PROVIDED
1	1

(Included in total above)
 No changes are being made to the parking lot.

NO.	ISSUED	DATE
4	ISSUED FOR PERMIT & TENDER	2022/12/13
3	RE-ISSUED FOR SPA REDLINE	2022/12/02
2	RE-ISSUED FOR SPA REDLINE	2022/10/03
1	ISSUED FOR SPA REDLINE	2022/08/02

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.



CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
 175 Main St, Cambridge, ON N1R 1W5



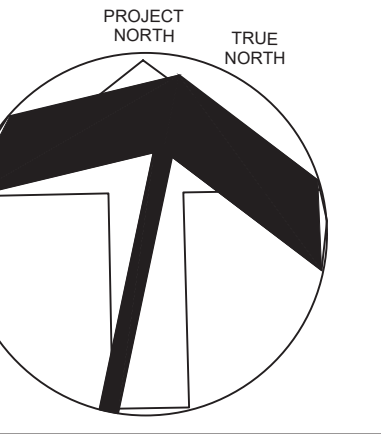
SITE PLAN



SCALE	PROJECT
AS SHOWN	20118
DATE	FEB 02, 2022
DRAWN	DRAWING
GB	SP1
CHECKED	SCPL
PRINT DATE	FEBRUARY 2, 2022
CAD FILE	17-20118-02

1 SITE PLAN
 SP1 SCALE 1:250

CITY OF CAMBRIDGE
 REDLINE REVISION
 DATE: _____
 SITE PLAN: _____

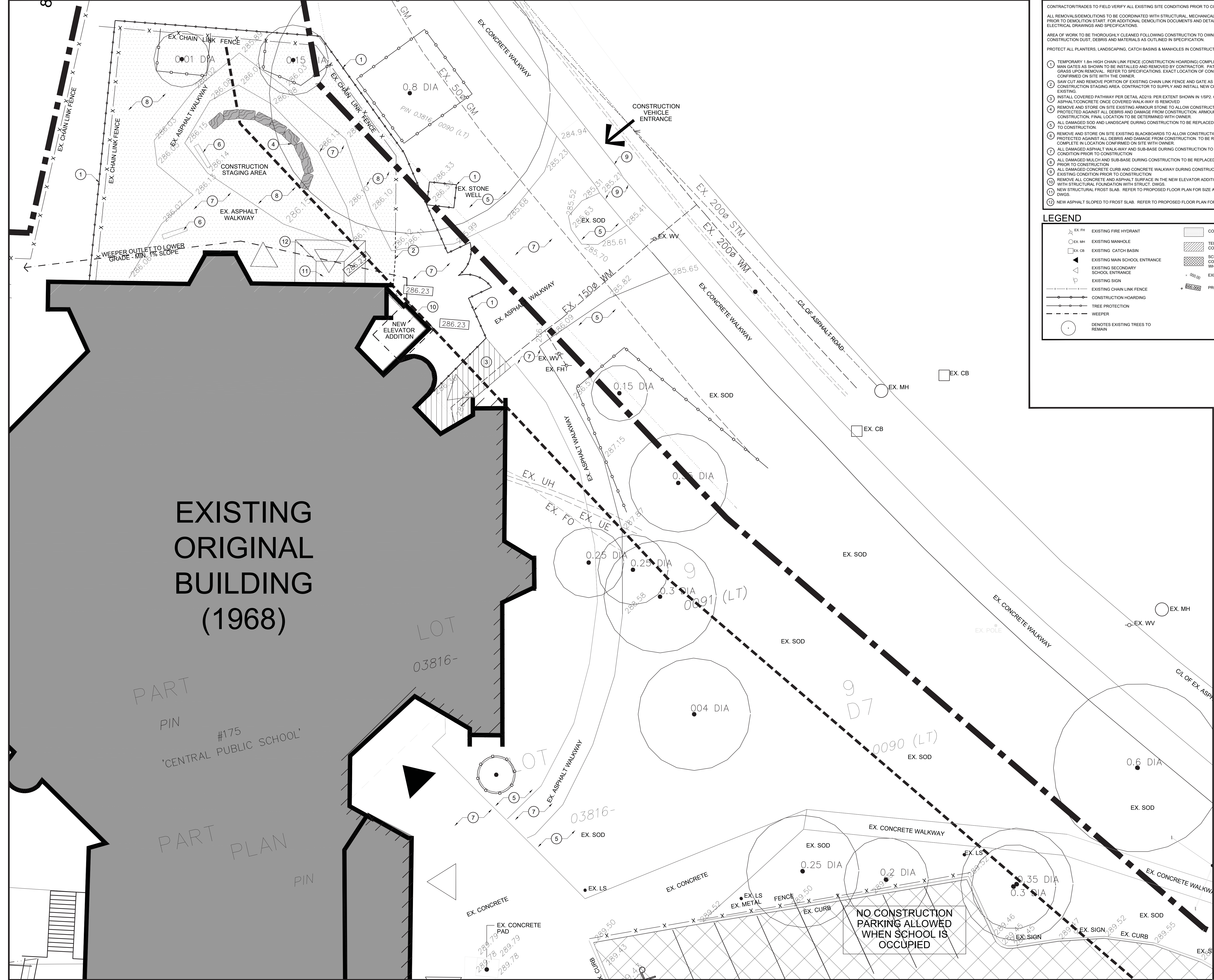


SITE PLAN - CONSTRUCTION NOTES

- CONTRACTOR/TRADES TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION
- ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS, SEE STRUCTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- AREA OF WORK TO BE THOROUGHLY CLEANED FOLLOWING CONSTRUCTION TO OWNER SATISFACTION OF ALL CONSTRUCTION DUST, DEBRIS AND MATERIALS AS OUTLINED IN SPECIFICATION.
- PROTECT ALL PLANTERS, LANDSCAPING, CATCH BASINS & MANHOLES IN CONSTRUCTION AREA & ROUTE.
- TEMPORARY 1.8m HIGH CHAIN LINK FENCE (CONSTRUCTION HOARDINGS) COMPLETE WITH LOCKABLE VEHICULAR AND MAIN GATES AS SHOWN TO BE INSTALLED AND REMOVED BY CONTRACTOR. PATCH AND MAKE GOOD ASPHALT AND GRASS UPON REMOVAL. REFER TO SPECIFICATIONS. EXACT LOCATION OF CONSTRUCTION HOARDING TO BE CONFIRMED ON SITE WITH THE OWNER.
 - SAW CUT AND REMOVE PORTION OF EXISTING CHAIN LINK FENCE AND GATE AS SHOWN IN 1/8" FOR ACCESS TO CONSTRUCTION STAGING AREA. CONTRACTOR TO SUPPLY AND INSTALL NEW CHAIN LINK FENCE AND GATE TO MATCH EXISTING.
 - INSTALL COVERED PATHWAY PER DETAIL AD219. PER EXTENT SHOWN IN 1/8" FOR ACCESS TO EXISTING ASPHALT/CONCRETE ONCE COVERED WALK-WAY IS REMOVED.
 - REMOVE AND STORE ON SITE EXISTING ARMOUR STONE TO ALLOW CONSTRUCTION STAGING. ARMOUR STONES TO BE PROTECTED AGAINST ALL DEBRIS AND DAMAGE FROM CONSTRUCTION. TO BE REINSTALLED AFTER CONSTRUCTION. FINAL LOCATION TO BE DETERMINED WITH OWNER.
 - ALL DAMAGED SOD AND LANDSCAPE DURING CONSTRUCTION TO BE REPLACED TO MATCH EXISTING CONDITION PRIOR TO CONSTRUCTION.
 - REMOVE AND STORE ON SITE EXISTING BLACKBOARDS TO ALLOW CONSTRUCTION STAGING. BOARDS TO BE PROTECTED AGAINST ALL DEBRIS AND DAMAGE FROM CONSTRUCTION. TO BE REINSTALLED AFTER CONSTRUCTION IS COMPLETE IN LOCATION CONFIRMED ON SITE WITH OWNER.
 - ALL DAMAGED ASPHALT WALKWAY AND SUB-BASE DURING CONSTRUCTION TO BE REPLACED TO MATCH EXISTING CONDITION PRIOR TO CONSTRUCTION.
 - ALL DAMAGED MULCH AND SUB-BASE DURING CONSTRUCTION TO BE REPLACED TO MATCH EXISTING CONDITION PRIOR TO CONSTRUCTION.
 - ALL DAMAGED CONCRETE CURB AND CONCRETE WALKWAY DURING CONSTRUCTION TO BE REPLACED TO MATCH EXISTING CONDITION PRIOR TO CONSTRUCTION.
 - REMOVE ALL CONCRETE AND ASPHALT SURFACE IN THE NEW ELEVATOR ADDITION AREA. COORDINATE EXTENT WITH STRUCTURAL FOUNDATION WITH STRUCT. DWGS.
 - NEW STRUCTURAL FLOOR SLAB. REFER TO PROPOSED FLOOR PLAN FOR SIZE AND EXTENT. REFER TO STRUCT. DWGS.
 - NEW ASPHALT SLOPED TO FROST SLAB. REFER TO PROPOSED FLOOR PLAN FOR SIZE AND EXTENT.

LEGEND

EX. FH	EXISTING FIRE HYDRANT	CONSTRUCTION STAGING AREA
EX. MH	EXISTING MANHOLE	TEMPORARY CONSTRUCTION COVERED WALK-WAY
EX. CB	EXISTING CATCH BASIN	SCHOOL PARKING - NO CONSTRUCTION PARKING ALLOWED WHEN SCHOOL IS OCCUPIED
▲	EXISTING MAIN SCHOOL ENTRANCE	EXISTING GRADES
▲	EXISTING SECONDARY SCHOOL ENTRANCE	PROPOSED GRADES
▲	EXISTING SIGN	
- - -	EXISTING CHAIN LINK FENCE	
- - -	CONSTRUCTION HOARDING	
○	TREE PROTECTION	
- - -	WEEPER	
○	DEMOTES EXISTING TREES TO REMAIN	



EXISTING ORIGINAL BUILDING (1968)

PART PIN #175 'CENTRAL PUBLIC SCHOOL'

PART PLAN PIN

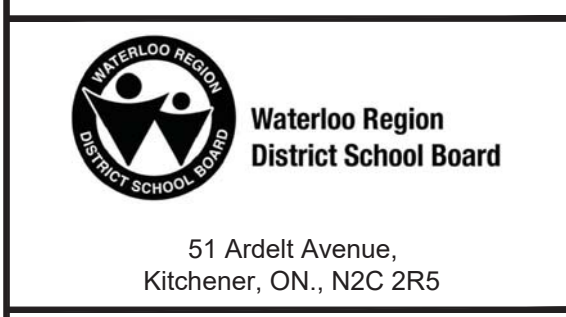
NO CONSTRUCTION PARKING ALLOWED WHEN SCHOOL IS OCCUPIED

1	ISSUED FOR PERMIT & TENDER	2022/12/13
NO.	ISSUED	DATE

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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge, ON N1R 1W5



SITE PLAN

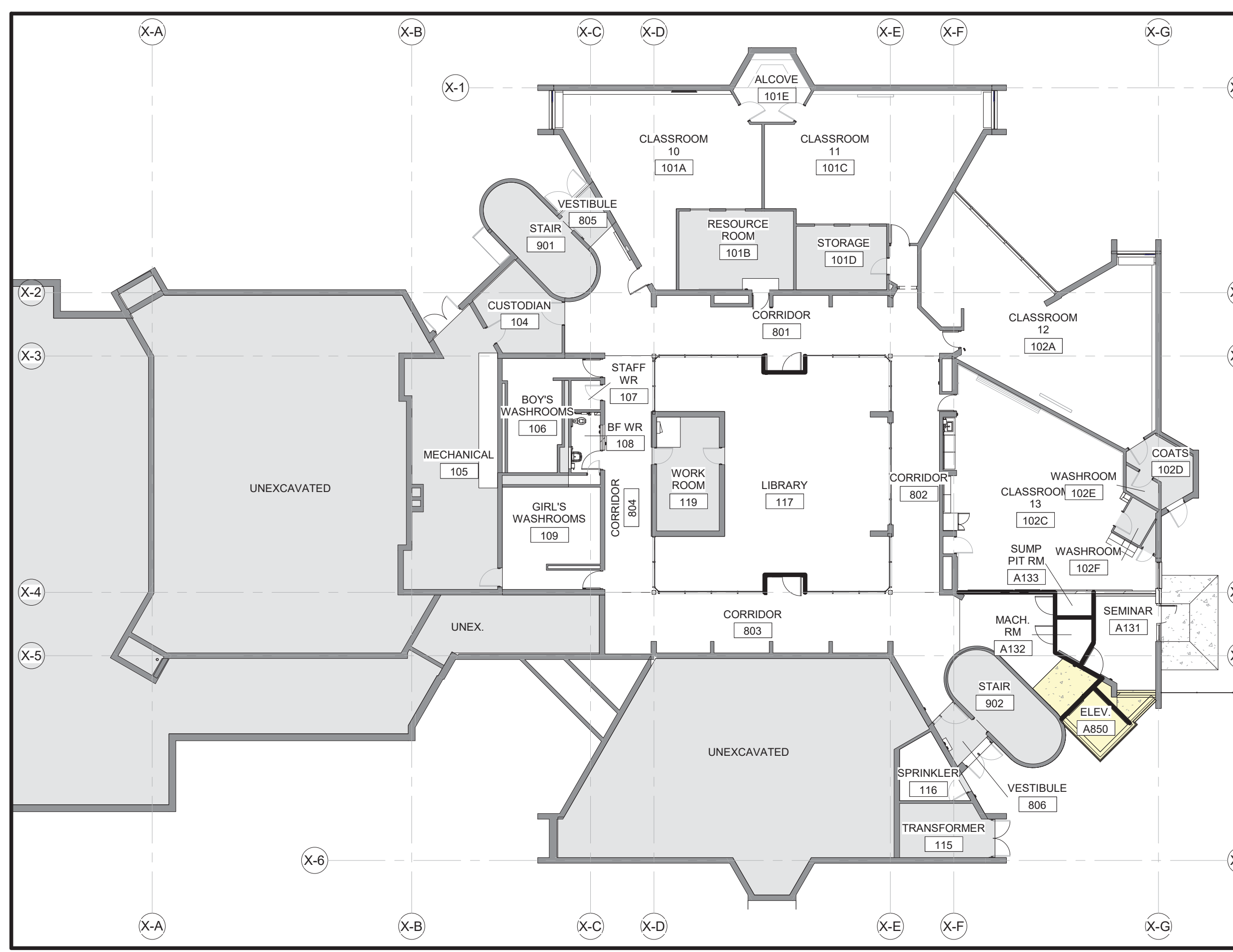
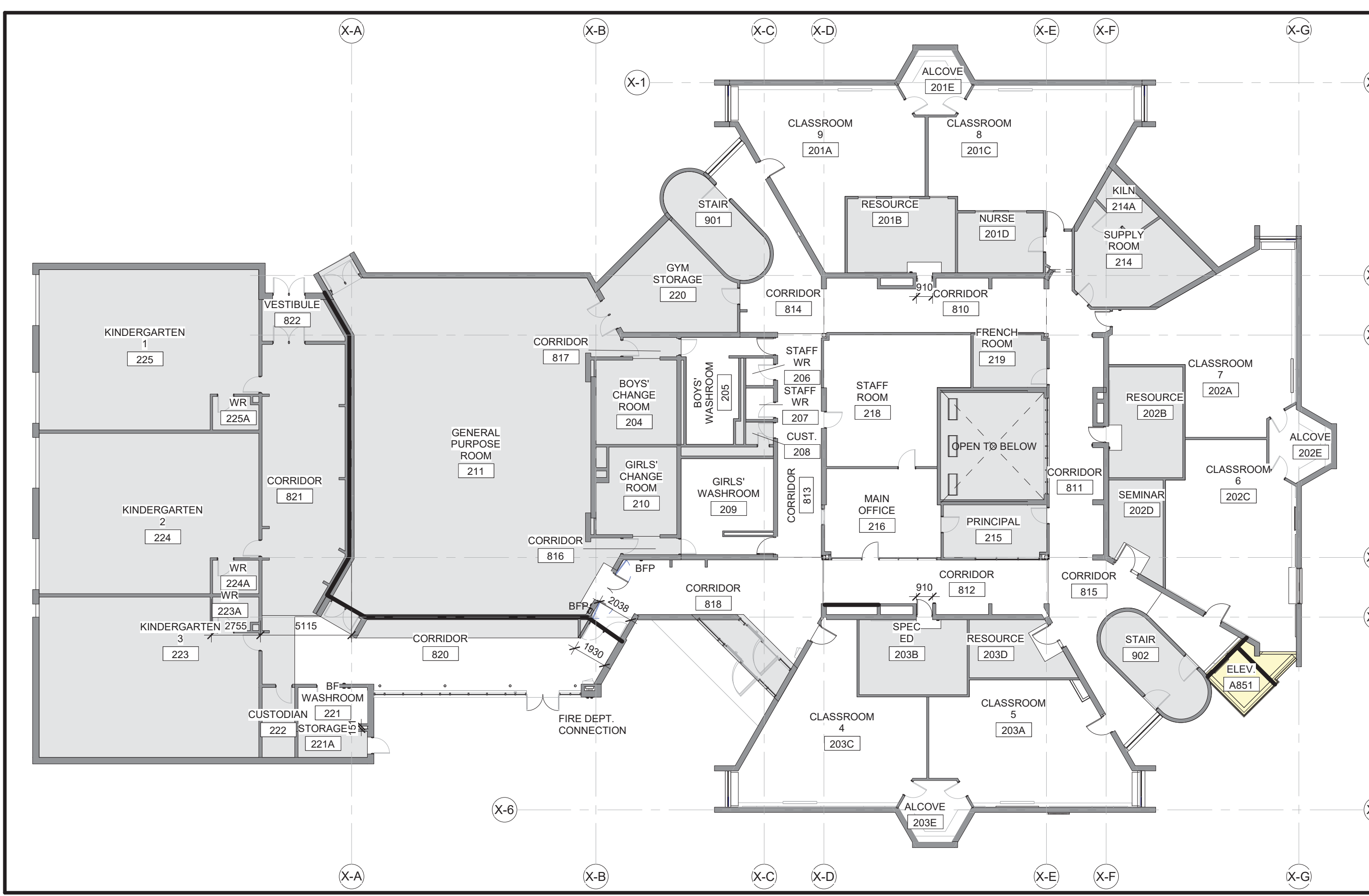
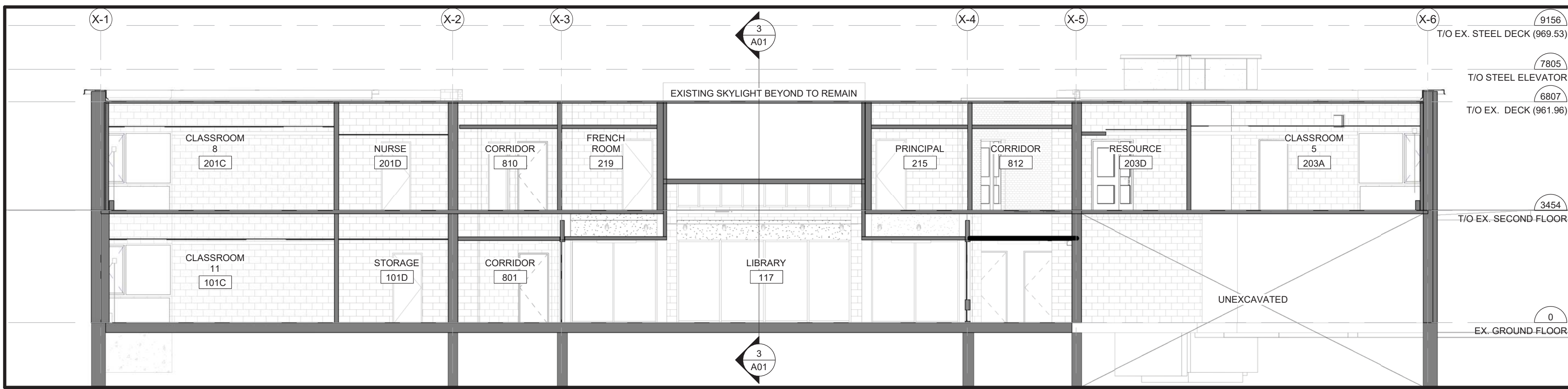
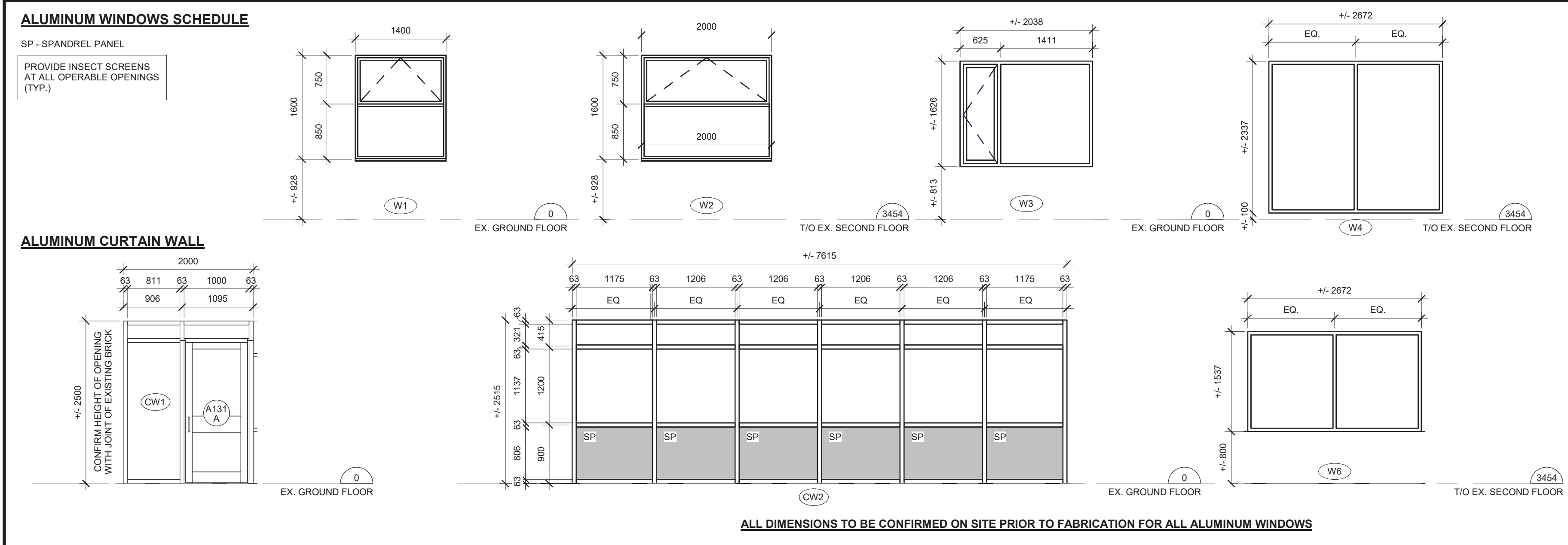


SCALE	PROJECT
AS SHOWN	20118
DATE	DRAWING
FEB 02, 2022	GB
DRAWN	CHECKED
GB	SCPL
CHECKED	PRINT DATE
SCPL	FEBRUARY 2, 2022
CAD FILE	T:2020892

ASSEMBLY LEGEND		ALL WALL ASSEMBLIES TO BE BUILT TO US OF STRUCTURE UNLESS NOTED OTHERWISE	
EXTERIOR WALLS		INTERIOR WALLS	
<p>CEMENTITIOUS COMPOSITE PANEL ON CONCRETE BLOCK</p> <ul style="list-style-type: none"> - CEMENTITIOUS COMPOSITE PANELS - 40mm VERTICAL 'Z' GIRTS - 50mm SPRAY IN-PLACE FOAM INSULATION - HORIZONTAL 'Z' GIRTS @ 400 O.C - 190mm CONCRETE BLOCK 	<p>GYPSUM BOARD</p> <ul style="list-style-type: none"> - 16mm GYPSUM BOARD - 92mm STEEL STUD FRAMING @ 400 O.C - FILL CAVITY WITH MINERAL WOOL - ACUSTIC INSULATION - 1 HOUR FIRE RESISTANCE RATING WALL TO BE CONSTRUCTED IN CONFORMANCE TO ULC W407 	FLOOR ASSEMBLY	
<p>BRICK VENEER ON CONC. BLOCK</p> <ul style="list-style-type: none"> - 50mm BRICK VENEER CW BRICK TIES - 50mm AIR SPACE MAX - 50mm SPRAY IN-PLACE FOAM INSULATION - 190mm CONCRETE BLOCK 	<p>GYPSUM BOARD FURRING</p> <ul style="list-style-type: none"> - 16mm GYPSUM BOARD - 92mm STEEL STUD FRAMING @ 400 O.C 	CONCRETE SLAB ON GRADE	
<p>PERFORATED STEEL SIDING ON CONCRETE BLOCK</p> <ul style="list-style-type: none"> - HORIZONTAL PERFORATED STEEL SIDING (SOLAR WALL) - VERTICAL HAT CHANNELS @ 600mm O.C - 50mm SPRAY IN-PLACE FOAM INSULATION - 75mm HORIZONTAL 'Z' GIRTS - 5 1/2" EXISTING CONCRETE BLOCK 	<p>INTERIOR CONC. BLOCK</p> <ul style="list-style-type: none"> - 140 CONC. BLOCK 	CONCRETE STEEL ON DECK	
<p>PERFORATED STEEL SIDING ON CONCRETE BLOCK</p> <ul style="list-style-type: none"> - HORIZONTAL PERFORATED STEEL SIDING (SOLAR WALL) - VERTICAL HAT CHANNELS @ 600mm O.C - 50mm SPRAY IN-PLACE FOAM INSULATION - 75mm HORIZONTAL 'Z' GIRTS - 9 5/8" EXISTING CONCRETE BLOCK 	<p>INTERIOR CONC. BLOCK</p> <ul style="list-style-type: none"> - 190 CONC. BLOCK 	ROOF ASSEMBLY	
<p>PERFORATED STEEL SIDING ON CONCRETE BLOCK</p> <ul style="list-style-type: none"> - HORIZONTAL PERFORATED STEEL SIDING (SOLAR WALL) - VERTICAL HAT CHANNELS @ 600mm O.C - 50mm SPRAY IN-PLACE FOAM INSULATION - 75mm HORIZONTAL 'Z' GIRTS - 7 5/8" EXISTING CONCRETE BLOCK 	<p>HOARDING WALL</p> <ul style="list-style-type: none"> - 16mm GYPSUM BOARD - 6MIL POLY VAPOUR BARRIER - 92mm STEEL STUD FRAMING @ 400 O.C - FILL CAVITY WITH MINERAL WOOL - ACUSTIC INSULATION - TO US OF STRUCTURE UNLESS NOTED OTHERWISE 	MODIFIED BITUMEN ROOF ON METAL DECK	
<p>BRICK VENEER ON CONC. BLOCK</p> <ul style="list-style-type: none"> - SALVAGED BRICK VENEER CW BRICK TIES - 10mm AIR SPACE MAX - 190mm CONCRETE BLOCK FLUSHED WITH EXISTING ADJACENT MASONRY WALL - WIDTH TO MATCH EXISTING MASONRY WALL 	<p>NOT IN USE</p> <ul style="list-style-type: none"> - 90 CONC. BLOCK - SOLID GROUT FILLING - 90 CONC. BLOCK - (TO MATCH EXISTING IMPERIAL WIDTH WALL, WHERE SHOWN AND NOTED IN PLANS) 	NEW ROOF ON METAL DECK TO MATCH EXISTING	
		1 HOUR RATED GYPSUM BOARD CEILING	
		1 HOUR RATED ACUSTIC TILE CEILING	

Item	Describe Existing Use:	Describe Proposed Use:	OBC Ref.
11.1	Existing building classification: ELEMENTARY SCHOOL (EX. NOT SPRINKLERED)	11.2.1 T 11.2.1.1A 11.2.1.1B	11.3.3.1 11.3.3.2
11.2	Alteration to Existing Building is:	Basic Renovation: <input type="checkbox"/> Extensive Renovation: <input type="checkbox"/>	11.3.3.1 11.3.3.2
11.3	Reduction in Performance Level:	Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes By increase in occupant load: <input type="checkbox"/> No <input type="checkbox"/> Yes By change of major occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: N/A <input type="checkbox"/> No <input type="checkbox"/> Yes Sewage-system: N/A <input type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	Compensating Construction:	Structural: <input type="checkbox"/> No <input type="checkbox"/> Yes Increase in occupant load: <input type="checkbox"/> No <input type="checkbox"/> Yes Change of major occupancy: <input type="checkbox"/> No <input type="checkbox"/> Yes Plumbing: N/A <input type="checkbox"/> No <input type="checkbox"/> Yes Sewage-system: N/A <input type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.5	Compliance Alternatives Proposed:	<input type="checkbox"/> No (not required) <input type="checkbox"/> Yes (give number(s))	11.5.1
11.6	Alternative Measures Proposed:	<input type="checkbox"/> No <input type="checkbox"/> Yes (explain)	11.5.2

1 PROJECT DESCRIPTION:		2 STOREY PUBLIC SCHOOL	NEW	PART 3
1a PROJECT NAME & ADDRESS: CENTRAL PUBLIC SCHOOL, 175 MAIN ST., CAMBRIDGE, ON				
2 MAJOR OCCUPANCY(S): GROUP A DIVISION 2				
3 BUILDING AREA (SQ.M.) EXIST: 2,195 NEW: 13.6 TOTAL: 2,208.6				
4 GROSS AREA (SQ.M.) EXIST: 3,295 NEW: 18 TOTAL: 3,313				
5 NO. OF STORES ABOVE GRADE: 2 BELOW GRADE: 0				
6 NUMBER OF STREETS/ACCESS ROUTES: 1				
7 BUILDING CLASSIFICATION: 3.2.2.26 Group A, Division 2, up to 2 storeys, Increased Area, Sprinklered (Per 2012 Addition)				
8 SPRINKLER SYSTEM PROPOSED: <input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> PORTION OF THE EXISTING BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING PROPOSED ELEVATOR ADDITION IS NOT SPRINKLERED <input type="checkbox"/> NOT REQUIRED				
9 STANDPIPE REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
10 FIRE ALARM REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
11 WATER SERVICE/SUPPLY IS ADEQUATE: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
12 HIGH BUILDING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
13 PERMITTED CONSTRUCTION: <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON COMBUSTIBLE <input type="checkbox"/> BOTH				
14 ACTUAL CONSTRUCTION: <input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON COMBUSTIBLE <input type="checkbox"/> BOTH				
15 MEZZANINE(S) AREA (SQ.M.): N/A				
16 OCCUPANT LOAD BASED ON <input type="checkbox"/> sq.m./PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING				
OCCUPANCY A2 LOAD 300 PERSONS PER 2012 ADDITION				
17 BARRIER-FREE DESIGN: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
18 HAZARDOUS SUBSTANCES: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
19 REQUIRED FIRE RESISTANCE RATING (FRR)				
HORIZONTAL ASSEMBLIES (FRR (HOURS))				
LISTED DESIGN NO. OR DESCRIPTION (SG-2)				
FLOOR(S) 1 HOURS FIRE RATED CEILINGS				
ROOF 0 HOURS N/A				
MEZZANINE N/A HOURS N/A				
FRR OF SUPPORTING MEMBERS				
LISTED DESIGN NO. OR DESCRIPTION (SG-2)				
FLOOR(S) 1 HOURS All loadbearing walls are 140 or 190 non-combustible masonry block and have a fire-resistance rating of at least 1 hour.				
ROOF 0 HOURS N/A				
MEZZANINE N/A HOURS N/A				
19 SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS (NON-COMBUSTIBLE)				
WALL AREA OF EBF (sq.m.) L.D. (m) LH OR HL PERMITTED MAX. % OF OPENINGS PROPOSED % OF OPENINGS				
NORTH 178 sq.m. 3m 3:1 TO 10:1 10% 7%				
NORTH 85 sq.m. 4m <3:1 18% 15%				



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

FIRE SEPARATION LEGEND

- NON RATED FIRE SEPARATION
- 30 MIN FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- 2 HOUR FIRE SEPARATION
- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- ADDITION

TABLE B - FIRE RESISTANCE RATINGS FOR REINFORCED PRESTRESSED CONCRETE FLOORS AND ROOF SLABS (PER OBC 2006 SB-2, TABLE 2.2.1.A)

ACTUAL THICKNESS (mm)	SLAB TYPE	REQ. ED. TYPE 'N' CONC. (mm)	FIRE RESIST. RATING
136	20mm	87	1 HR

TABLE A - FIRE RESISTANCE RATINGS FOR CONCRETE BLOCK PARTITIONS (PER OBC 2012 SB-2, TABLE 2.1.1)

ACTUAL EQUIVALENT THICKNESS (mm)	CONCRETE BLOCK OPTION	REQ. ED. TYPE 'N' CONC. (mm)	FIRE RESIST. RATING
108	HOLLOW BLOCK	88	1 HR
81	HOLLOW BLOCK	73	1 HR
66	HOLLOW BLOCK	58	1 HR
74	75% SOLID BLOCK	73	1 HR

1 ISSUED FOR PERMIT & TENDER 22 12 12
NO. DESCRIPTION DATE

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
PRISCILLA LAPOUCHEUR
LICENCE 8053
Certificate of Practice # 4292

CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge, ON N1R 1Y9

Waterloo Region District School Board

FIRE SEPARATION & OBC MATRIX

HOSSAK & ASSOCIATES ARCHITECTS

2-716 DUNDAS STREET WEST, SUITE 100, CAMBRIDGE, ONTARIO N1R 1Y9
TEL: (519) 887-8384 FAX: (519) 887-8386

SCALE: PROJECT
DATE: DEC. 2022
DRAWN: GB/SC
CHECKED: PL
PRINT DATE: 2022-12-13 11:45 AM
REVIT FILE: T:\201512102\Revit.RVT

20118
A01

DEMOLITION NOTES

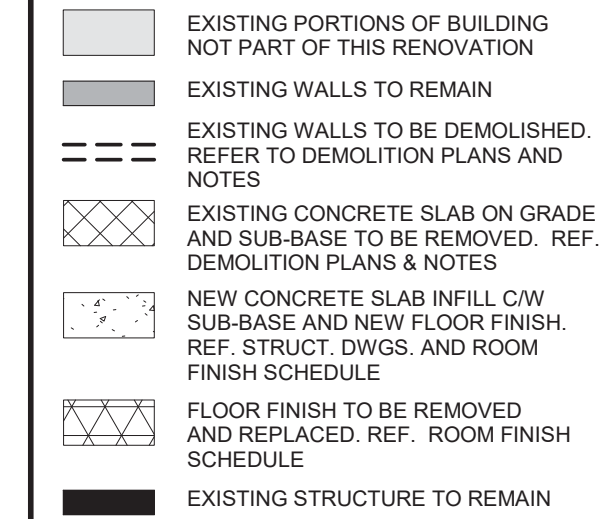
- 1 REMOVE EXIST. DOOR, FRAME AND ALL ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED FOR NEW DOOR ASSEMBLY. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW UNITS. BEARING TOOTHED IN. REFER TO DOOR SCHEDULE.
- 2 REMOVE EXIST. DOOR AND FRAME ASSEMBLY. SAWCUT NEW LARGER OPENING IN EXISTING BLOCK AND BRICK WALL FOR NEW DOOR ASSEMBLY. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW UNITS. BEARING EXTENT. REF. STRUCT. DWGS. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. SALVAGE BRICK FROM OPENING CUTS FOR REUSE AT TOOTHED IN JAMBS AND AT OTHER LOCATIONS IN WORK AREA. REFER TO DOOR SCHEDULE FOR SIZE OF OPENING, GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 3 REMOVE EXIST. DOOR AND FRAME ASSEMBLY. CUT OPENING INTO EXISTING GYPSUM WALL FOR NEW DOOR AND FRAME ASSEMBLY. REWORK EXISTING STUD FRAMING TO SUIT NEW OPENING. PATCH AND MAKE GOOD ADJACENT WALL AND FLOOR. REFER TO DOOR SCHEDULE.
- 4 REMOVE EXIST. FRAME ASSEMBLY. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED TO MATCH EXISTING FINISH. REFER TO ROOM FINISH SCHEDULE. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 5 REMOVE EXISTING WINDOW ASSEMBLY INCLUDING GLAZING, FRAMES, WOOD BLOCKING AND FITMENTS WHERE APPLICABLE. TO EXTENT SHOWN, REMOVE EXISTING WINDOW COVERINGS, TRACK AND ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALLS, STEEL UNITS, AND CEILING FOR NEW FINISHES.
- 6 REMOVE EXISTING DOOR AND FRAME AND SAW CUT NEW OPENING IN EXIST. BLOCK WALL. INFILL BLOCK AROUND NEW DOOR OPENING REFER TO STRUCT. DWGS. FOR NEW UNITS. REFER TO DOOR SCHEDULE FOR NEW DOOR AND FRAME SIZE. GRIND DOWN AND SMOOTH EDGES OF EXISTING CONCRETE BLOCK AT DOOR JAMB TO FORM BULLNOSE. USE NEW BULLNOSE BLOCK AT DOOR JAMB AT BLOCK INFILL. PATCH AND MAKE GOOD WALLS, FLOORS AND CEILINGS.
- 7 SAW CUT AND REMOVE PORTION OF EXIST. HOLLOW METAL ASSEMBLY AT EXISTING MULLION AS SHOWN ON DWGS. INCLUDING DOOR AND FRAME ASSEMBLY. CONTRACTOR TO ENSURE NOT TO DAMAGE REMAINING HOLLOW METAL FRAME. PATCH AND MAKE GOOD REMAINING HOLLOW METAL FRAME TO MATCH EXISTING. PATCH AND MAKE GOOD CEILING ASSEMBLY TO MATCH EXISTING. CAREFULLY CUT EXISTING CARPET TO SUIT NEW ENTRANCE LAYOUT. REFER TO PROPOSED FLOOR PLAN. PREPARE FLOOR SURFACE FOR NEW FINISHES. REFER TO ROOM FINISH SCHEDULE. NEW VCT TO MATCH EXISTING ON CORRIDOR SIDE. INSTALL WHOLE TILES ONLY.
- 8 SAW CUT AND REMOVE PORTION OF EXISTING BLOCK WALL, INCLUDING DOOR ASSEMBLY, GLAZING, FRAMES, COAT HOOKS AND FITMENTS WHERE APPLICABLE FROM FINISHED FLOOR TO TOP OF WALL TO EXTENT SHOWN. SALVAGE IMPERIAL BLOCK FOR REUSE AT DOOR INFILL AREAS NOTED. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED TO ACCEPT NEW FINISH. REFER TO ROOM FINISH SCHEDULE.
- 9 REMOVE EXISTING EXTERIOR WINDOW ASSEMBLY INCLUDING GLAZING, FRAMES AND FITMENTS WHERE APPLICABLE FROM FINISHED FLOOR TO TOP OF WALL. TO EXTENT SHOWN, REMOVE EXISTING WINDOW COVERINGS, TRACK AND ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALLS, FLOOR AND CEILING FOR NEW FINISHES. PARGE SMOOTH AND LEVEL EXISTING SLAB ON GRADE AS REQUIRED FOR NEW FLOORING.
- 10 REMOVE EXISTING MILLWORK AND/OR SHELVING FROM WALL AND SINK WHERE APPLICABLE. PATCH AND MAKE GOOD FLOOR AND WALL AS REQUIRED FOR NEW FINISHES. REFER TO MECH. AND ELEC. DWGS.
- 11 CUT EXISTING BLOCK WALL AS REQUIRED FOR NEW PLUMBING FOR WATER CLOSET. REFER TO MECH DWGS. PATCH AND MAKE GOOD WALL FOR NEW FINISHES. REFER TO PROPOSED FLOOR PLAN. REFER TO FINISH SCHEDULE.

- 12 SAWCUT OPENING IN EXISTING BRICK OR BLOCK WALL FOR NEW DOOR ASSEMBLY. REFER TO DOOR SCHEDULE FOR SIZE OF OPENING. PATCH AND MAKE GOOD ADJACENT WALLS. ENSURE ENOUGH BLOCK IS BEEN REMOVED FOR NEW UNITS. REFER TO STRUCT. DWGS. SALVAGE AND STORE EXISTING BRICK. REMOVE ALTERNATE COURSES OF BRICK AT FRAME FOR TOOTHING IN OF BRICK WALL. INFILL BRICK PORTION WITH SALVAGE BRICK. PATCH AND MAKE GOOD WALL TO MATCH EXISTING AS REQUIRED. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 13 EXISTING WALL MOUNTED CABINET HEATER TO BE RELOCATED ON THE WALL TO SUIT NEW DOOR ASSEMBLY. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF MODIFICATIONS. NEW PAINT FINISH TO HEATER COVER. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 14 EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
- 15 SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND SUBBASE (INCLUDING FLOOR FINISH) AS REQUIRED FOR MECH. SERVICES. REFER TO MECH. DWGS. FOR EXTENT AND DEPTH OF REMOVAL. INFILL WITH NEW CONCRETE SLAB AND SUBBASE AND FEATHER INTO EXISTING SLAB. REFER TO STRUCT. DWGS. PREPARE SURFACE FOR NEW FINISHES. REFER TO ROOM SCHEDULE.
- 16 EXISTING ELECTRICAL PANEL TO BE REMOVED AND RELOCATED. REFER TO ELEC. DWGS. PATCH AND MAKE GOOD WALLS TO MATCH EXISTING TO RECEIVE NEW FINISHES.
- 17 REFER TO ELEC. DWGS. FOR EXTENT OF WORK IN THE AREA. PATCH AND MAKE GOOD EXISTING WALL. FILL ALL HOLES AND GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL, TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE.
- 18 SAWCUT BLOCK FOR NEW OPENING IN EXISTING EXTERIOR BLOCK AND BRICK WALL FOR NEW DOOR OR WINDOW ASSEMBLY. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW UNITS. BEARING EXTENT. REF. STRUCT. DWGS. SALVAGE BRICK FROM OPENING FOR REUSE. REFER TO ELEVATIONS AND DOOR SCHEDULE FOR HEIGHTS OF OPENINGS. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 19 EXISTING FLOOR MOUNTED CABINET HEATER TO BE TEMPORARILY REMOVED FOR WINDOW REPLACEMENT. REINSTALL PER MECH DWGS. NEW PAINT FINISH TO HEATER COVER. PATCH AND MAKE GOOD EXISTING WALLS, FLOOR AND WALL AS REQUIRED FOR NEW FINISH.
- 20 REMOVE EXISTING WALL MOUNTED DOOR STOP FROM EXISTING BRICK WALL. PATCH AND MAKE GOOD WALL TO MATCH EXISTING FINISH.
- 21 EXISTING FLOOR MOUNTED HEATER TO BE REMOVED. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF REMOVAL. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 22 NOT IN USE
- 23 CAREFULLY REMOVE EXISTING TACKBOARDS/WHITEBOARDS AND HAND OVER TO OWNER. PATCH AND MAKE GOOD WALLS AS REQUIRED. GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL, TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE. REFER TO ROOM FINISH SCHEDULE.
- 24 REMOVE EXISTING PROJECTOR SCREEN INCLUDING MOUNTING BRACKETS AND HARDWARE AND HAND OVER TO OWNER. PATCH AND MAKE GOOD WALL AS REQUIRED FOR NEW FINISHES.
- 25 REMOVE EXISTING MOVABLE PARTITION IN ITS ENTIRETY (INCLUDING GUIDES AND RAILS ON CEILING, WALLS AND FLOOR, AND ALL EXISTING HARDWARE RELATED TO THE PARTITION). PATCH AND MAKE GOOD WALLS, CEILING AND FLOOR TO RECEIVE NEW FINISHES AND TO SATISFACTION OF FLOORING SUBTRADE.

- 26 REMOVE EXISTING FLOORING (VINYL, TILE, ETC.) BASE AND ADHESIVE IN ENTIRE ROOM. PATCH AND MAKE GOOD SUBFLOOR TO ACCEPT NEW FLOORING TO SATISFACTION OF FLOORING SUBTRADE. REFER TO ROOM FINISH SCHEDULE.
- 27 REMOVE EXISTING FLOORING (CARPET, VINYL, TILE, ETC.) BASE, AND ANY UNDER PAD/NAILING STRIPS AND ADHESIVE TO EXTENT SHOWN BY HATCH. REFER TO PROPOSED FLOOR PLAN. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO SATISFACTION OF FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.
- 28 EXISTING UNIT VENTILATOR AT WINDOW TO BE REMOVED. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF REMOVAL. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 29 EXISTING PLUMBING AND METAL PIPE CHASE TO BE REMOVED. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF REMOVAL. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 30 SAWCUT PORTION OF WALL AS REQUIRED FOR NEW PLUMBING. REMOVE EXISTING RECESSED CONVECTOR ON WALL. REFER TO INTERIOR ELEVATIONS FOR FIXTURE MOUNTING HEIGHTS. INFILL WALL. PATCH AND MAKE GOOD TO RECEIVE NEW TILE FINISH. REFER TO ROOM FINISH SCHEDULE. REFER TO MECH. DWGS.
- 31 REMOVE EXISTING MILLWORK, PLUMBING, WATER TANK, VALVES, CONDUITS, ELEC. PANEL FROM ALL WALLS. WALLS TO BE CLEAR OF ANY EXISTING COMPONENT. PATCH AND MAKE GOOD TO RECEIVE NEW TILE FINISH. REFER TO ROOM FINISH SCHEDULE. REFER TO MECH. AND ELEC. DWGS.
- 32 REMOVE EXISTING HOOKS ON WALL TO INSTALL RELOCATED ELECTRIC PANEL AND CONDUITS. REFER TO ELEC. DWGS. PATCH AND MAKE GOOD WALL TO MATCH EXISTING.
- 33 REMOVE AND RELOCATE EXISTING CONDUITS. REFER TO ELEC. DWGS. PATCH AND MAKE GOOD WALLS TO MATCH EXISTING AND RECEIVE NEW FINISHES.
- 34 REMOVE EXISTING METAL SIDING, INSULATED PANEL AND INSECT SCREEN (INCLUDING BOLTS, FURRING AND ALL EXISTING FITMENTS). EXISTING CONCRETE BLOCK WALL TO REMAIN. PARGE AND MAKE GOOD AND PREPARE SURFACE TO RECEIVE FINISH. REFER TO ELEVATIONS AND ASSEMBLY LEGEND.
- 35 EXISTING MILLWORK TO REMAIN AND TO BE PROTECTED AGAINST ALL DAMAGE, DEBRIS AND DUST FROM DEMOLITION AND CONSTRUCTION IN CLASSROOMS AND ALCOVES.
- 36 REMOVE EXISTING EXTERIOR MASONRY WALL TO EXTENT SHOWN, INCLUDING FOOTINGS. PATCH AND MAKE GOOD WALL. REFER TO STRUCT. DWGS.
- 37 CLEAN AND PREPARE THE EXISTING WALLS FOR NEW WALL PLATES AND STRUCT. FRAMING. REFER TO STRUCT. DWGS.
- 38 EXISTING MILLWORK/METAL PIPE CHASE TO BE CUT BACK AS REQUIRED TO SUIT NEW UNIT VENTILATOR LOCATION. REFER TO PROPOSED PLANS AND MECH. DWGS. PATCH AND MAKE GOOD FLOOR AND WALL WHERE CHASE IS REMOVED.
- 39 EXISTING SMART BOARD TO BE REMOVED. CONTRACTOR TO CONFIRM WITH OWNER IF SMARTBOARDS ARE TO BE HANDED OVER TO OWNER OR DISPOSED OF. PATCH AND MAKE GOOD EXISTING WALL. FILL ALL HOLES AND GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL. TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE. REFER TO ROOM FINISH SCHEDULE. REFER TO ELEC. DWGS.
- 40 REMOVE EXISTING GYPSUM BOARD AND ASSOCIATED TRIM ON TEACHING WALL BELOW WHITEBOARDS AND TACKBOARDS. REFER TO TYPICAL INTERIOR ELEVATION FOR EXTENT. EXISTING MILLWORK/METAL PIPE CHASE COVER TO BE CAREFULLY REMOVED, STORED ON SITE AND RE-INSTALLED AFTER GYP. BOARD IS REMOVED. PATCH AND MAKE GOOD EXISTING BLOCK WALL FOR NEW PAINT FINISH. REFER TO MECH AND ELEC. DWGS. FOR DEVISE REWORK. REFER TO PIPE CHASE DETAIL ON A05.

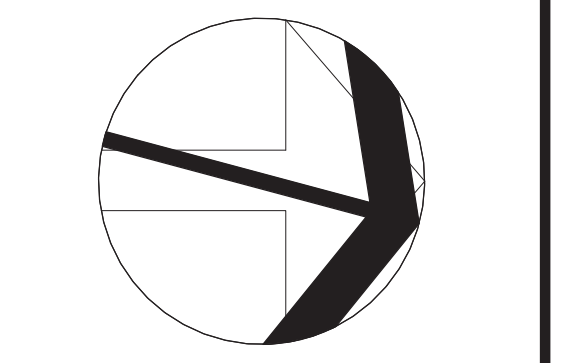
- 41 CONTRACTOR TO CAREFULLY REMOVE ALL FLOOR MOUNTED MILLWORK, EXCLUDING MILLWORK THAT HAS PLUMBING AND IS TO REMAIN IN PREPARATION FOR FLOORING REPLACEMENT. ALL MILLWORK TO BE CAREFULLY STORED ON SITE FOR RE-INSTALLATION. RUBBER BASE ON MILLWORK TO BE REMOVED AND DISPOSED OF.
- 42 CONTRACTOR TO CAREFULLY SAWCUT BRICK ON BLOCK WALL FOR ROUGH-IN FOR BFP TO DOOR A131B

WALL & FLOOR HATCH LEGEND



GENERAL DEMOLITION NOTES

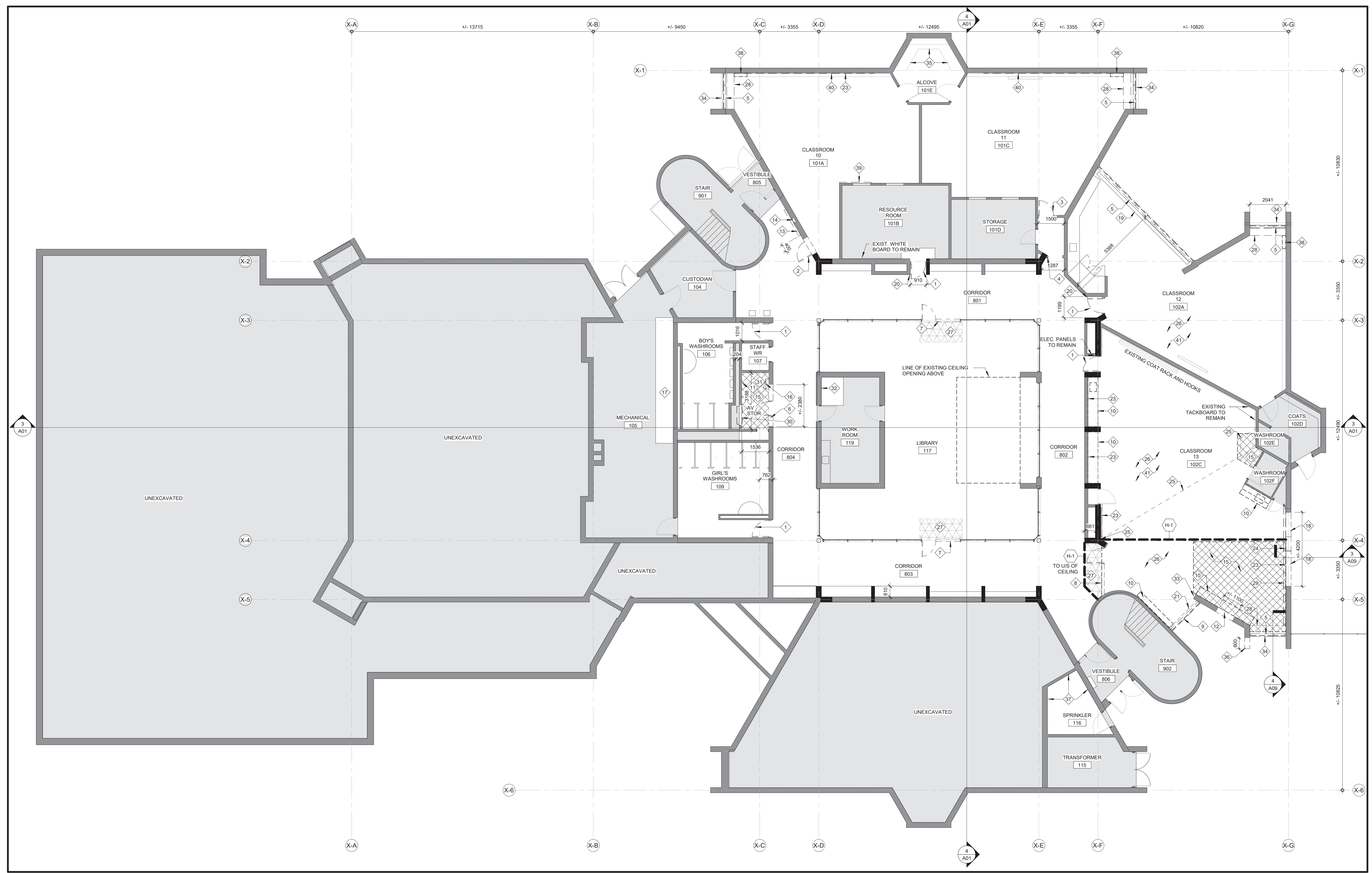
- for Demolition Floor Plans and Reflected Ceiling Plans
1. COORDINATE SCOPE OF WORK SHOWN ON DEMOLITION PLANS WITH DESIGNATED SUBSTANCES AUDIT REPORT AND ABATEMENT SPECIFICATIONS.
 2. REMOVE ANY LEFT-OVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS INCLUDING BUT NOT LIMITED TO BRACKETS, SHELVEING AND WINDOW COVERINGS BEING REMOVED AND NOT NOTED FOR RE-INSTALLATION IN AREA OF WORK. PATCH AND MAKE GOOD HOLES IN WALL FROM FITMENT REMOVAL AS REQUIRED FOR NEW FINISHES.
 3. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
 4. OWNER TO REMOVE ALL PLAQUES, MIRRORS AND ARTWORK PRIOR TO DEMOLITION. PATCH AND MAKE GOOD ANY MINOR HOLES FROM REMOVALS IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
 5. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
 6. FOLLOWING REMOVALS OF FLOORING, ENSURE PREPARATION FOR NEW SURFACES INCLUDES PREPARATION OF REQUIRED, INCLUDING GRINDING, PATCHING AND LEVELING TO SUIT NEW FLOORING DEPTHS AND FLUSH TRANSITIONS. ALSO REFER TO SPECIFICATION AND FINISH SCHEDULE.
 7. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. FEATHER NEW CONCRETE SLABS FOR TRANSITION AT EXISTING WITH REQUIRED FINISHES. INSTALL REQUIRED TRANSITION PIECES BETWEEN VARIOUS FLOOR FINISHES SUITABLE FOR CONDITIONS AND ACCEPTABLE TO THE OWNER. MATCH EXISTING WHERE NOTED. REFER TO ROOM FINISH SCHEDULE FOR REQUIRED FLOOR FINISHES AND LOCATIONS.
 8. COORDINATE AND PREPARE FOR NEW WORK INCLUDING REMOVALS, CUTTING, PREPARATION ETC. WHETHER ITEMS ARE SHOWN ON DEMOLITION PLAN OR NOT. INCLUDE ALL REQUIREMENTS FOR DEMOLITION AND PREPARATION TO SUIT PROPOSED FLOOR PLANS AND ALL NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECH. AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
 9. REFER TO STRUCT. DWGS. FOR TYPICAL FLOOR INFILL DETAILS.
 10. PATCH AND MAKE GOOD ANY EXISTING HOLES DUE TO MECHANICAL / STRUCTURAL / ELECTRICAL PENETRATIONS INCLUDING MATCHING NON-RATED RATE SEPARATIONS AT ALL REQUIRED WALLS AND BETWEEN FLOORS.
 11. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION. ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
 12. ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

ABBREVIATION LEGEND

A	ACTIVE LEAF
AF	ACTIVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD. REF. SPECS
BD	BOARD
BFP	BARRIER FREE PUSH BUTTON
BL	BARRIER FREE LOCKER
BLP	BARRIER FREE PUSH BUTTON LOCK
BR	BARRIER FREE LOCKER
BY	BRICK VENT
CCP	CONCRETE COMPOSITE PANEL
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHSR	CABINET HEATER (SEMI-RECESSED)
CHS	COAT RACK AND SHELF
CW	CERAMIC WALL TILE
CWT	CERAMIC WALL TILE
D	DISHWASHER
DWGS	DRAWINGS
ELEC	ELECTRICAL
EP	ELECTRICAL PANEL. REF. ELEC. DWGS
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
EX	EXISTING
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEV	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
GA	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GB	GRAB BAR "L" SHAPE
GSF	GRAB BAR "FOLDING"
GS	GAS METER
HD	HAND DRYER
HD	HAND DRYER WITH SHROUD
HORZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HW	HOT WATER TANK
LF	LIGHT FIXTURE
M	MIRROR
MCP	MODULAR CONTROL PANEL
MECH	MECHANICAL
MS	MOP SINK
NC	NOT IN CONTRACT
POS	PULL-DOWN SCREEN
PS	PRIVACY SCREEN
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RF	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RMC	REINFORCED MASONRY COLUMN
RS	ROLLER SHADE
SD	SOAP DISPENSER
SF	SOUND FIELD SYSTEM. REF. TO ELEC. DWGS
SFS	STRUCTURAL FROST SLAB
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SWR	SEMI-RECESSED WASTE RECEPTACLE
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TLT MIRROR
TV	TELEVISION
UC	UNDER THE COUNTER
UV	UNIT VENTILATOR. REFER TO MECH. DWGS
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
WD	WASHER/DRYER NIC
WR	WASHROOM



1	ISSUED FOR PERMIT & TENDER	22 12 12
NO	DESCRIPTION	DATE



CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge ON N1R 1Y9



DEMOLITION - GROUND FLOOR PLAN



4-2162 DUNDAS DRIVE
HOSSACK & ASSOCIATES ARCHITECTS
1000-1000 DUNDAS ST. W. TORONTO, ONT. M6J 1B6
TEL: (416) 607-8334 FAX: (416) 607-8336

SCALE	PROJECT
As Indicated	20118
DATE	DEC. 2022
DRAWN	SC/GB
CHECKED	PL
PRINT DATE	2022-12-13 07:31 AM
REVIT FILE	1:201515121022Rev1.RVT

1 DEMOLITION FLOOR PLAN - GROUND FLOOR
SCALE: 1:100
A02

DEMOLITION NOTES

- 1 REMOVE EXIST. DOOR, FRAME AND ALL ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED FOR NEW DOOR ASSEMBLY. ANY DAMAGED BLOCK/BRICK TO BE REMOVED AND NEW BLOCK/BRICK TO BE TOOTHED IN. REFER TO DOOR SCHEDULE.
- 2 REMOVE EXIST. DOOR AND FRAME ASSEMBLY. SAWCUT NEW LARGER OPENING IN EXISTING BLOCK AND BRICK WALL FOR NEW DOOR ASSEMBLY. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW LINTEL (BEARING EXTENT). REF. STRUCT. DWGS. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. SALVAGE BRICK FROM OPENING CUTS FOR RE-USE AT TOOTHED IN JAMBS AND AT OTHER LOCATIONS IN WORK AREA. REFER TO DOOR SCHEDULE FOR SIZE OF OPENING. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 3 REMOVE EXIST. DOOR AND FRAME ASSEMBLY. CUT OPENING INTO EXISTING GYPSUM WALL FOR NEW DOOR AND FRAME ASSEMBLY. REWORK EXISTING STUD FRAMING TO SUIT NEW OPENING. PATCH AND MAKE GOOD ADJACENT WALL AND FLOOR. REFER TO STRUCT. DWGS. FOR EXTENT OF NEW LINTEL ABOVE. REFER TO DOOR SCHEDULE.
- 4 REMOVE EXIST. FRAME ASSEMBLY. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED TO MATCH EXISTING FINISH. REFER TO ROOM FINISH SCHEDULE. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 5 REMOVE EXISTING WINDOW ASSEMBLY IN ITS ENTIRETY (INCLUDING GLAZING, FRAMES, WOOD BLOCKING AND FITMENTS WHERE APPLICABLE) TO EXTENT SHOWN. REMOVE EXISTING WINDOW COVERINGS, TRACK AND ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALLS, STEEL LINTEL AND CEILING FOR NEW FINISHES.
- 6 EXISTING SMART BOARD TO BE REMOVED. CONTRACTOR TO CONFIRM WITH OWNER IF SMARTBOARDS ARE TO BE HANDED OVER TO OWNER OR DISPOSED OF. PATCH AND MAKE GOOD EXISTING WALL, FILL ALL HOLES TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE. REFER TO ROOM FINISH SCHEDULE. REFER TO ELEC. DWGS.
- 7 SAWCUT BLOCK FOR NEW OPENING IN EXISTING EXTERIOR BLOCK AND BRICK WALL FOR NEW WINDOW ASSEMBLY. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW LINTEL (BEARING EXTENT). REF. STRUCT. DWGS. SALVAGE BRICK FROM OPENING FOR RE-USE. REFER TO ELEVATIONS AND DOOR SCHEDULE FOR HEIGHTS OF OPENING. GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
- 8 REMOVE EXISTING EXTERIOR WINDOW ASSEMBLY (INCLUDING GLAZING, FRAMES AND FITMENTS WHERE APPLICABLE) FROM FINISHED FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD WALLS, FLOOR AND CEILING FOR NEW FINISHES. PARGE AND SMOOTH AND LEVEL EXISTING SLAB ON GRADE AS REQUIRED FOR NEW FLOORING.
- 9 EXISTING HEATER TO BE REMOVED. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF REMOVAL. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 10 REMOVE EXISTING WINDOW (INCLUDING WINDOW ASSEMBLY, GLAZING, WOOD BLOCKING, AND FRAME). REMOVE EXISTING WINDOW COVERINGS, TRACK AND ASSOCIATED HARDWARE. PATCH AND MAKE GOOD WALL AND FLOOR TO MATCH EXISTING AND AS REQUIRED FOR WALL INFILL AND NEW FINISHES.
- 11 PROVIDE INTERIOR HOARDING/DUST PROTECTION. 38x89mm WOOD FRAMING CONSTRUCTED @400 O.C FILLED WITH BATT INSULATION, +/- 28mm IN HEIGHT (TO MATCH EXISTING CEILING HEIGHT), 12mm PLYWOOD SHEATHING PAINTED WHITE ON CORRIDOR SIDE. REFER TO SPECS. CONTRACTOR TO PATCH AND MAKE GOOD FLOOR, WALLS AND CEILING AFTER REMOVAL.
- 12 EXISTING MILLWORK PIPE CHASE TO BE CUT BACK AS REQUIRED TO SUIT NEW UNIT VENTILATOR LOCATION. REFER TO PROPOSED PLANS AND MECH. DWGS. PATCH AND MAKE GOOD FLOOR AND WALL WHERE CHASE IS REMOVED.

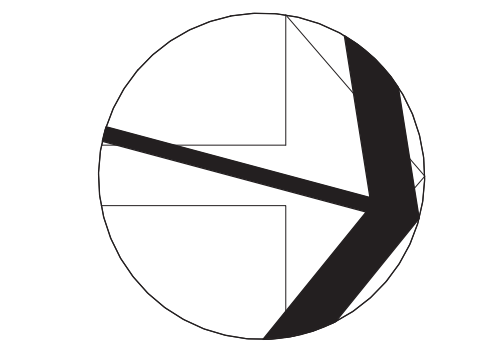
- 13 REMOVE EXISTING GYPSUM BOARD AND ASSOCIATED TRIM ON TEACHING WALL BELOW WHITEBOARDS AND TACKBOARDS. REFER TO TYPICAL INTERIOR ELEVATION FOR EXTENT. EXISTING MILLWORK/METAL PIPE CHASE COVER TO BE CAREFULLY REMOVED, STORED ON SITE AND RE-INSTALLED AFTER GYP. BOARD IS REMOVED. PATCH AND MAKE GOOD EXISTING BLOCK WALL FOR NEW PAINT FINISH. REFER TO MECH AND ELEC. DWGS. FOR DEVISE REWORK. REFER TO PIPE CHASE DETAIL ON A05.
- 14 REMOVE EXISTING WALL MOUNTED DOOR STOP FROM EXISTING BRICK WALL. PATCH AND MAKE GOOD WALL TO MATCH EXISTING FINISH.
- 15 CONTRACTOR TO CAREFULLY REMOVE ALL FLOOR MOUNTED MILLWORK IN PREPARATION FOR FLOORING REPLACEMENT. ALL MILLWORK TO BE CAREFULLY STORED ON SITE FOR RE-INSTALLATION. RUBBER BASE ON MILLWORK TO BE REMOVED AND DISPOSED OF.
- 16 REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING SIDELITES. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED FOR INSTALLATION OF NEW DOOR AND FRAME ASSEMBLY. REFER TO DOOR SCHEDULE.
- 17 CAREFULLY REMOVE EXISTING TACKBOARDS/WHITEBOARDS AND HAND OVER TO OWNER. PATCH AND MAKE GOOD WALLS AS REQUIRED. GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL. TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE. REFER TO ROOM FINISH SCHEDULE.
- 18 REMOVE AND RELOCATE EXISTING CONDUITS. REFER TO ELEC. DWGS. PATCH AND MAKE GOOD WALLS TO MATCH EXISTING AND RECEIVE NEW FINISHES.
- 19 REMOVE EXISTING FLOORING (PORCELAIN TILE), AND BASE, AND ANY SETTING MATERIAL TO EXTENT SHOWN BY HATCH. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO SATISFACTION OF FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.
- 20 REMOVE EXISTING METAL SIDING, INSULATED PANEL AND INSECT SCREEN (INCLUDING BOLTS, FURRING AND ALL EXISTING FITMENTS), EXISTING CONCRETE MASONRY UNIT WALL TO REMAIN. PARGE AND MAKE GOOD AND PREPARE SURFACE TO RECEIVE FINISH. REFER TO ASSEMBLY LEGEND.
- 21 REMOVE EXISTING VINYL TILE, BASE AND ADHESIVE IN ITS ENTIRETY. PATCH AND MAKE GOOD SUBFLOOR TO ACCEPT NEW FLOORING TO SATISFACTION OF FLOORING SUBTRADE. REFER TO ROOM FINISH SCHEDULE.
- 22 EXISTING UNIT VENTILATOR AT WINDOW TO BE REMOVED. REFER TO MECH. AND ELEC. DWGS. FOR EXTENT OF REMOVAL. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.
- 23 SAW CUT EXISTING CONCRETE SLAB FOR MECH. CHASE. REFER TO MECH. DWGS. REFER TO STRUCT. DWGS. PATCH AND MAKE GOOD EDGES OF OPENING FOR NEW GYPSUM BOARD ON STEEL STUD WALL.
- 24 EXISTING MILLWORK TO REMAIN AND TO BE PROTECTED AGAINST ALL DAMAGE, DEBRIS AND DUST FROM DEMOLITION AND CONSTRUCTION IN CLASSROOMS AND ALCOVES.

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- NEW CONCRETE SLAB INFILL LW SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE
- FLOOR FINISH TO BE REMOVED AND REPLACED. REF. ROOM FINISH SCHEDULE
- EXISTING STRUCTURE TO REMAIN

GENERAL DEMOLITION NOTES

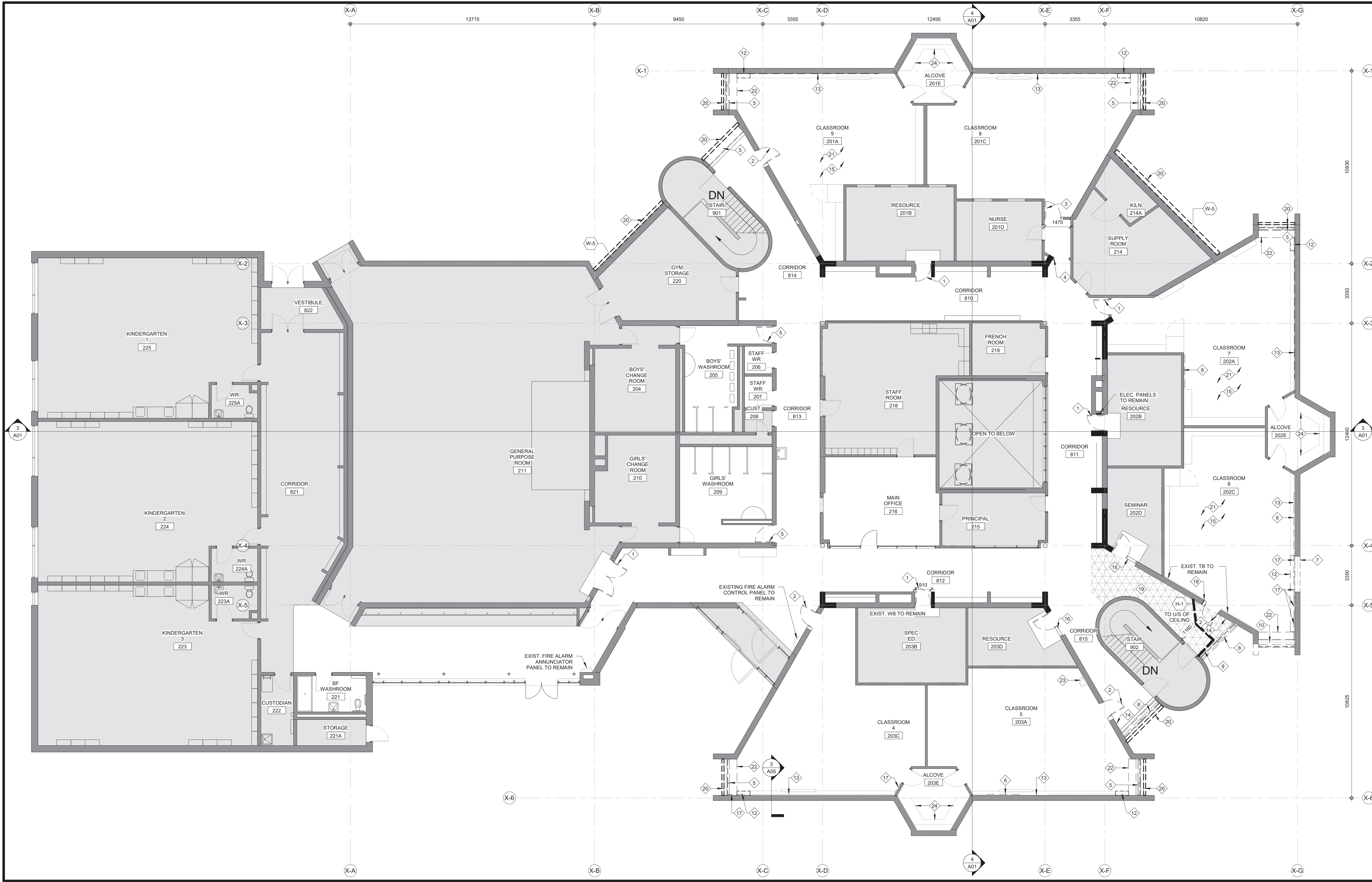
- for Demolition Floor Plans and Reflected Ceiling Plans*
1. COORDINATE SCOPE OF WORK SHOWN ON DEMOLITION PLANS WITH DESIGNATED SUBSTANCES AUDIT REPORT AND ABATEMENT SPECIFICATIONS.
 2. REMOVE ANY LEFTOVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS INCLUDING, BUT NOT LIMITED TO, BRACKETS, SHELVING AND WINDOW COVERINGS BEING REMOVED AND NOT NOTED FOR RE-INSTALLATION IN AREA OF WORK. PATCH AND MAKE GOOD HOLES IN WALL FROM FITMENT REMOVAL AS REQUIRED FOR NEW FINISHES.
 3. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
 4. OWNER TO REMOVE ALL PLAQUES, MIRRORS AND ARTWORK PRIOR TO DEMOLITION. PATCH AND MAKE GOOD ANY MINOR HOLES FROM REMOVALS IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
 5. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
 6. FOLLOWING REMOVALS OF FLOORING, ENSURE PREPARATION FOR NEW SURFACES INCLUDES PREPARATION OF REQUIRED, INCLUDING GRINDING, PATCHING AND LEVELING TO SUIT NEW FLOORING DEPTHS AND FLUSH TRANSITIONS. ALSO REFER TO SPECIFICATION AND FINISH SCHEDULE.
 7. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. FEATHER NEW CONCRETE SLABS FOR TRANSITION AT EXISTING WITH REQUIRED FINISHES. INSTALL REQUIRED TRANSITION PIECES BETWEEN VARIOUS FLOOR FINISHES SUITABLE FOR CONDITIONS AND ACCEPTABLE TO THE OWNER. MATCH EXISTING WHERE NOTED. REFER TO ROOM FINISH SCHEDULE FOR REQUIRED FLOOR FINISHES AND LOCATIONS.
 8. COORDINATE AND PREPARE FOR NEW WORK INCLUDING REMOVALS, CUTTING, PREPARATION ETC. WHETHER ITEMS ARE SHOWN ON DEMOLITION PLAN OR NOT. INCLUDE ALL REQUIREMENTS FOR DEMOLITION AND PREPARATION TO SUIT PROPOSED FLOOR PLANS AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
 9. REFER TO STRUCT. DWGS. FOR TYPICAL FLOOR INFILL DETAILS.
 10. PATCH AND MAKE GOOD ANY EXISTING HOLES DUE TO MECHANICAL / STRUCTURAL / ELECTRICAL PENETRATIONS INCLUDING MATCHING NON-RATED FIRE SEPARATIONS AT ALL REQUIRED WALLS AND BETWEEN FLOORS.
 11. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
 12. ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

ABBREVIATION LEGEND

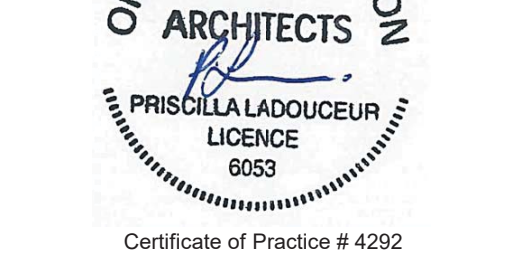
A	ACTIVE LEAF
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD. REF. SPECS
BO	BARRIER FREE
BF	BARRIER FREE PUSH BUTTON
BF	BARRIER FREE PUSH BUTTON LOCK
BFL	BARRIER FREE LOCKER
CP	CONCRETE COMPOSITE PANEL
CV	CONCRETE VENT
COP	CONTROL JOINT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHR	CABINET HEATER (SEM-RECESSED)
CR/S	COAT RACK AND SHELF
CW	COMPLETES WITH
CWT	CERAMIC WALL TILE
DW	DISHWASHER
DWGS	DRAWINGS
ELEC	ELECTRICAL
EP	ELECTRICAL PANEL. REF. ELEC. DWGS
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
EX	EXISTING
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
GA	GALV
GALV	GALVANIZED
OSB	OSB/DM BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GSF	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HD	HAND DRYER WITH SHROUD
HORZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HWT	HOT WATER TANK
LF	LIGHT FIXTURE
M	MIRROR
MCP	MODULAR CONTROL PANEL
MECH	MECHANICAL
MS	MCP SINK
NIC	NOT IN CONTRACT
POS	PULL-DOWN SCREEN
PS	PRIVACY SCREEN
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
R	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RMC	REINFORCED MASONRY COLUMN
RS	ROLLER SHADE
SD	SOAP DISPENSER
SF	SOUND FIELD SYSTEM. REF. TO ELEC. DWGS.
SFS	STRUCTURAL FROST SLAB
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SWR	SEMI-RECESSED WASTE RECEPTACLE
TB	TACKBOARD
TO	TOILET PAPER DISPENSER
TM	TILT MIRROR
TV	TELEVISION
U/C	UNDER THE COUNTER
UV	UNIT VENTILATOR. REFER TO MECH. DWGS.
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
WID	WASHER/DRYER NIC
WM	WRENCH
WR	WASHROOM



2 DEMOLITION FLOOR PLAN - SECOND FLOOR
SCALE: 1:100

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT & TENDER	22.12.22

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.



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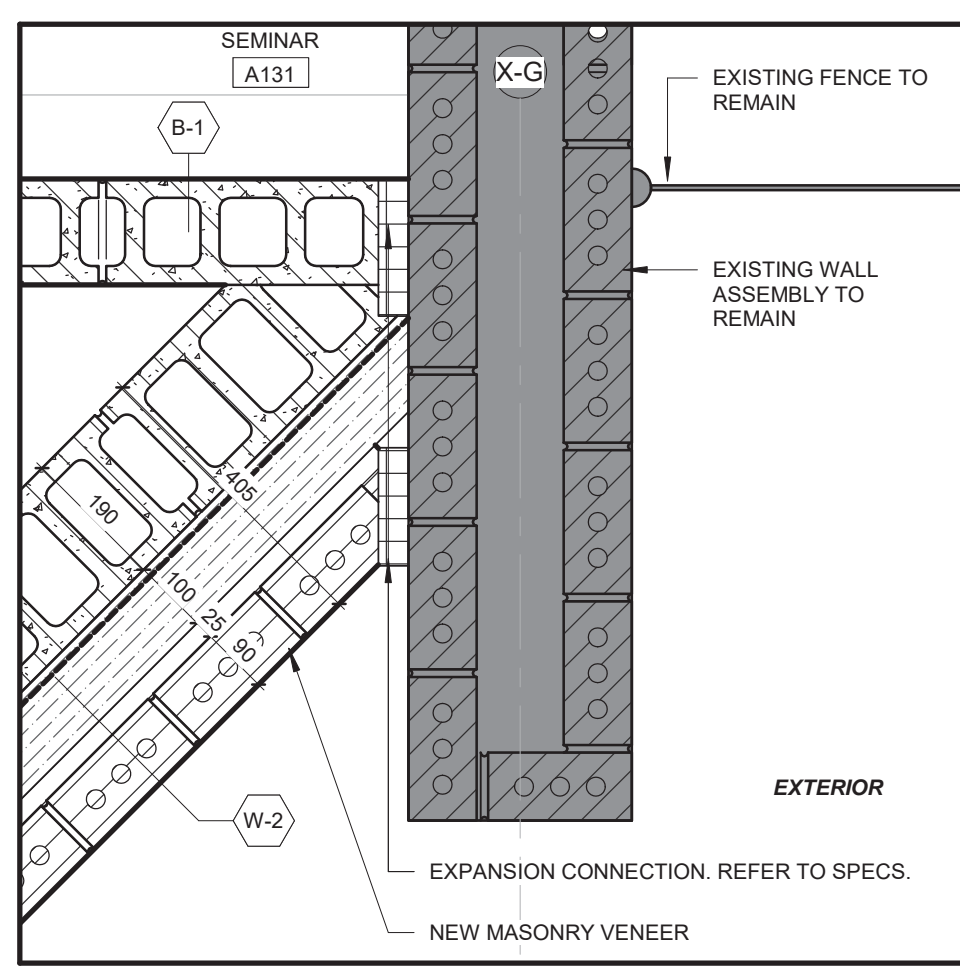


DEMOLITION - SECOND FLOOR PLAN

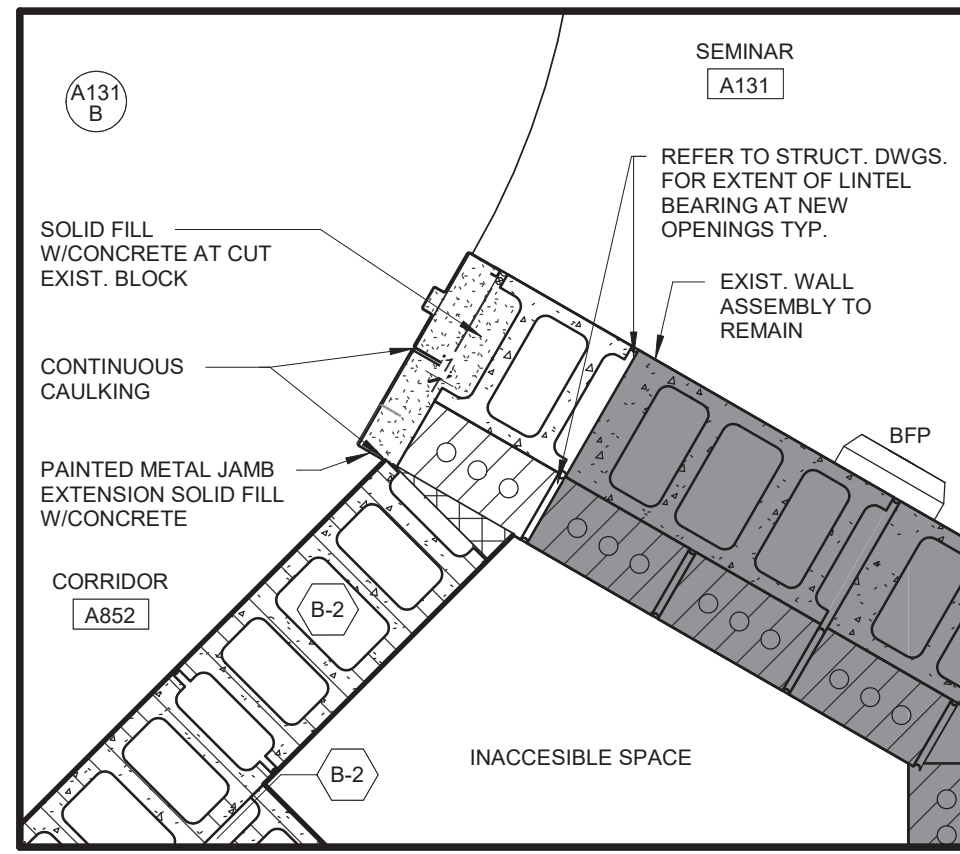


4-2162 DUNDAS DRIVE
MISSISSAUGA, ONTARIO L5L 6M6
TEL: (905) 807-0334 FAX: (905) 807-0336

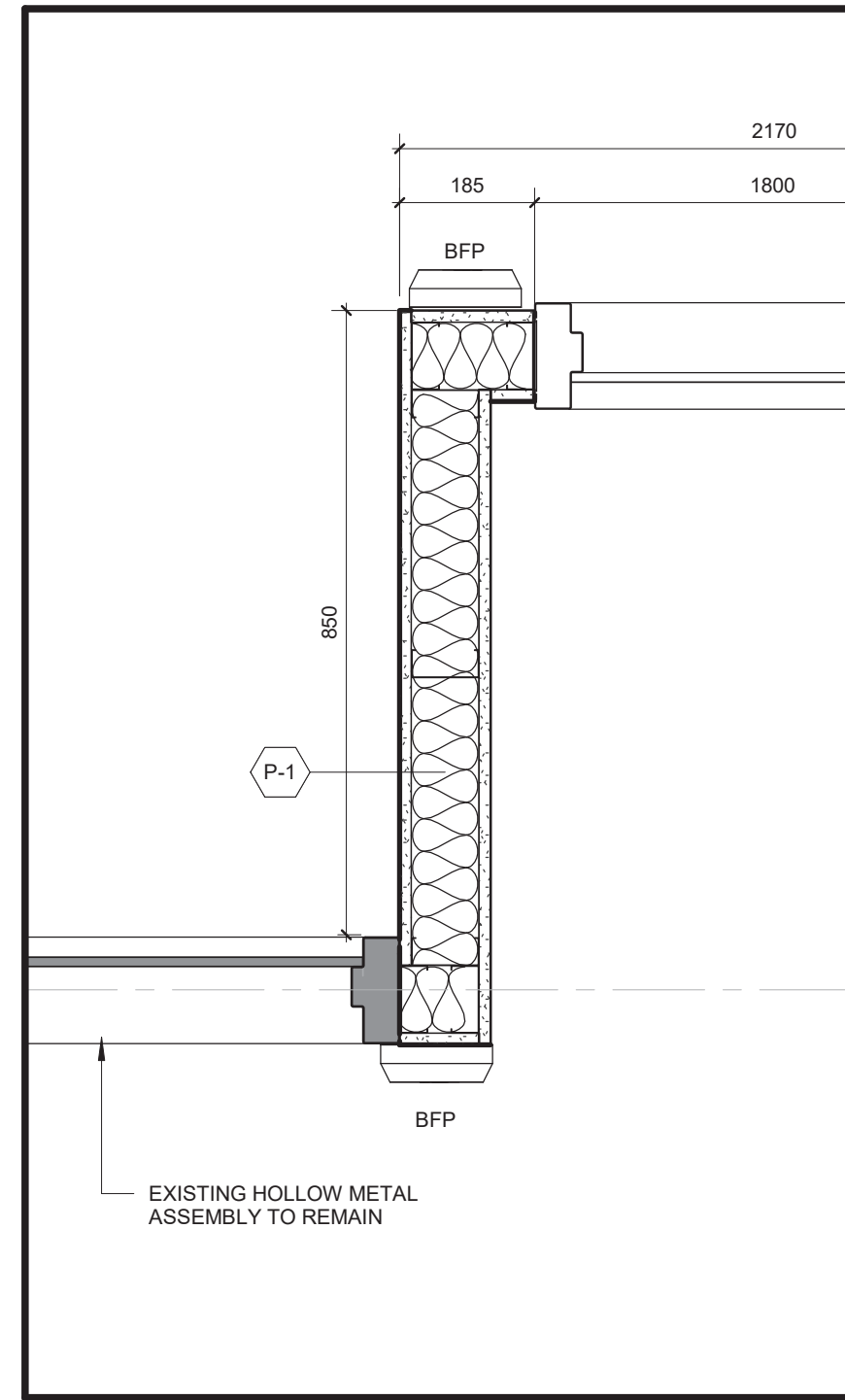
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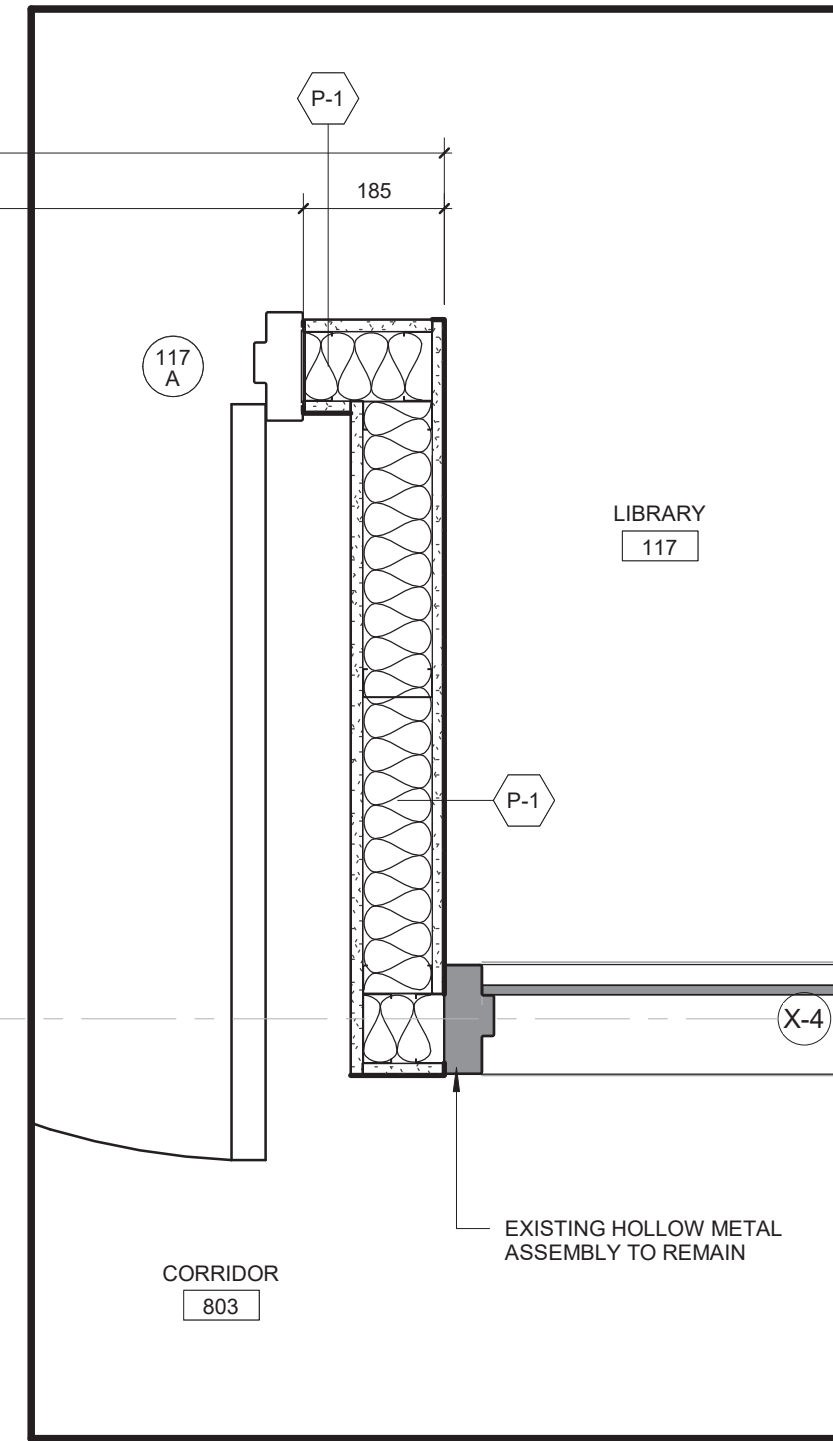
3 PLAN DETAIL AT EXISTING WALL AND NEW MASONRY WALL
SCALE: 1:10



4 JAMB EXTENSION AT MACH. RM ACCESS DOOR
SCALE: 1:10



2 PLAN DETAIL @ LIBRARY DOOR
SCALE: 1:10



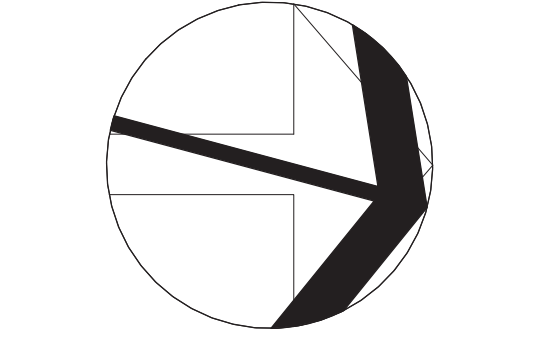
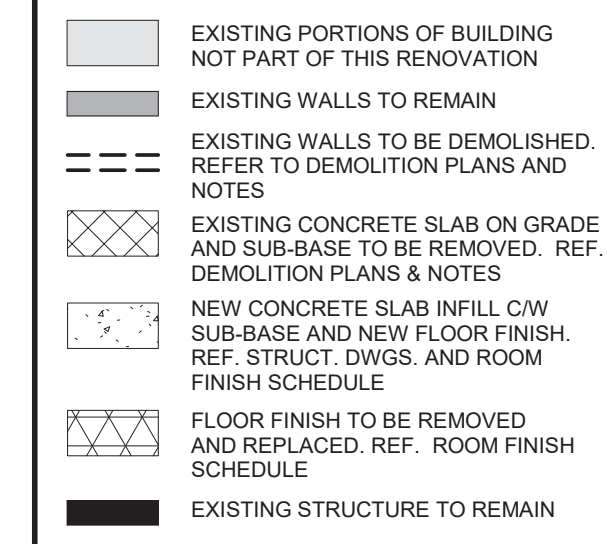
CONSTRUCTION NOTES

- 1 PROVIDE INTERIOR HOARDING/DUST PROTECTION. H-1 WALL TYPE. REFER TO ASSEMBLY LEGEND.
- 2 INFILL OPENING WITH 140 BLOCK FLUSH TO SEMINAR ROOM SIDE. PROVIDE NEW BASE TO MATCH EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.
- 3 PATCH AND MAKE GOOD EXISTING CONCRETE BLOCK WALL TO REMAIN TO MATCH EXISTING, AND PREPARE FOR NEW PAINT.
- 4 PARGE SMOOTH EXISTING POURED CONCRETE WALL TO REMAIN.
- 5 EXISTING BRICK WALL TO BE PAINTED, PER EXISTENT SHOWN ON PROPOSED DWGS. REFER TO ROOM FINISH SCHEDULE.
- 6 INFILL WALL WITH 140 BLOCK FLUSH TO BF WASHROOM SIDE. REFER TO MECH. DWGS. REFER TO ROOM FINISH SCHEDULE.
- 7 NEW FLOOR FINISH IN HATCHED AREA TO THE INTO EXISTING FLOOR FINISH. REFER TO ROOM FINISH SCHEDULE.
- 8 NEW FLOOR FINISH AND BASE ON EXISTING CONCRETE FLOOR SLAB IN ENTIRE ROOM. REFER TO ROOM FINISH SCHEDULE.
- 9 CONTRACTOR TO INSTALL SALVAGED BRICK AS REQUIRED TO INFILL. BRICK DAMAGED BY TEMPORARY WALL SHORING, PATCH AND MAKE GOOD WALL ON BOTH SIDES TO MATCH EXISTING WALL AND TO RECEIVE NEW PAINTING FINISH ON THE INTERIOR.
- 10 PREPARE MASONRY WALL TO RECEIVE NEW CERAMIC WALL TILE. REFER TO PROPOSED FLOOR PLAN FOR EXTENT. REFER TO ROOM FINISH SCHEDULE.
- 11 INSTALL NEW RUBBER BASE ON RE-INSTALLED MILLWORK PIPE CHASE TO MATCH EXISTING.
- 12 NEW MILLWORK FILLER PIECES AT NEW UNIT VENTILATORS. REFER TO ELEVATION AND DETAIL ON A05.
- 13 NEW WIREMOLD FROM WORK ROOM 119 TO NEW ENTRANCE DOORS TO BE PAINTED TO MATCH EXISTING HOLLOW METAL FRAMES.
- 14 RAMP UP NEW ASPHALT TO NEW STRUCTURAL FROST SLAB.

GENERAL CONSTRUCTION NOTES

- for Floor Plans and Reflected Ceiling Plans
1. GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.
 2. ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCT., MECH., ELEC. DWGS. PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DWGS. AND SPEC.
 3. OWNER WILL MOVE AND RELOCATE ALL EXISTING FURNITURE AND TEACHING TOOLS WITHIN SCOPE OF WORK PRIOR TO CONSTRUCTION.
 4. GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.
 5. CONTRACTOR TO REPAIR AND MAKE GOOD ALL EXISTING WALLS AND PAINT WITHIN CONSTRUCTION AREA (INCLUDING CORRIDORS AFFECTED BY RENOVATION) SEE SPEC.
 6. ALL NOTED DIMENSIONS TO EXISTING WALL ASSEMBLIES ARE +/- AND MAY VARY. CONTRACTOR TO FIELD VERIFY AS REQUIRED.
 7. ALL AREAS OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION PER SPECIFICATIONS.

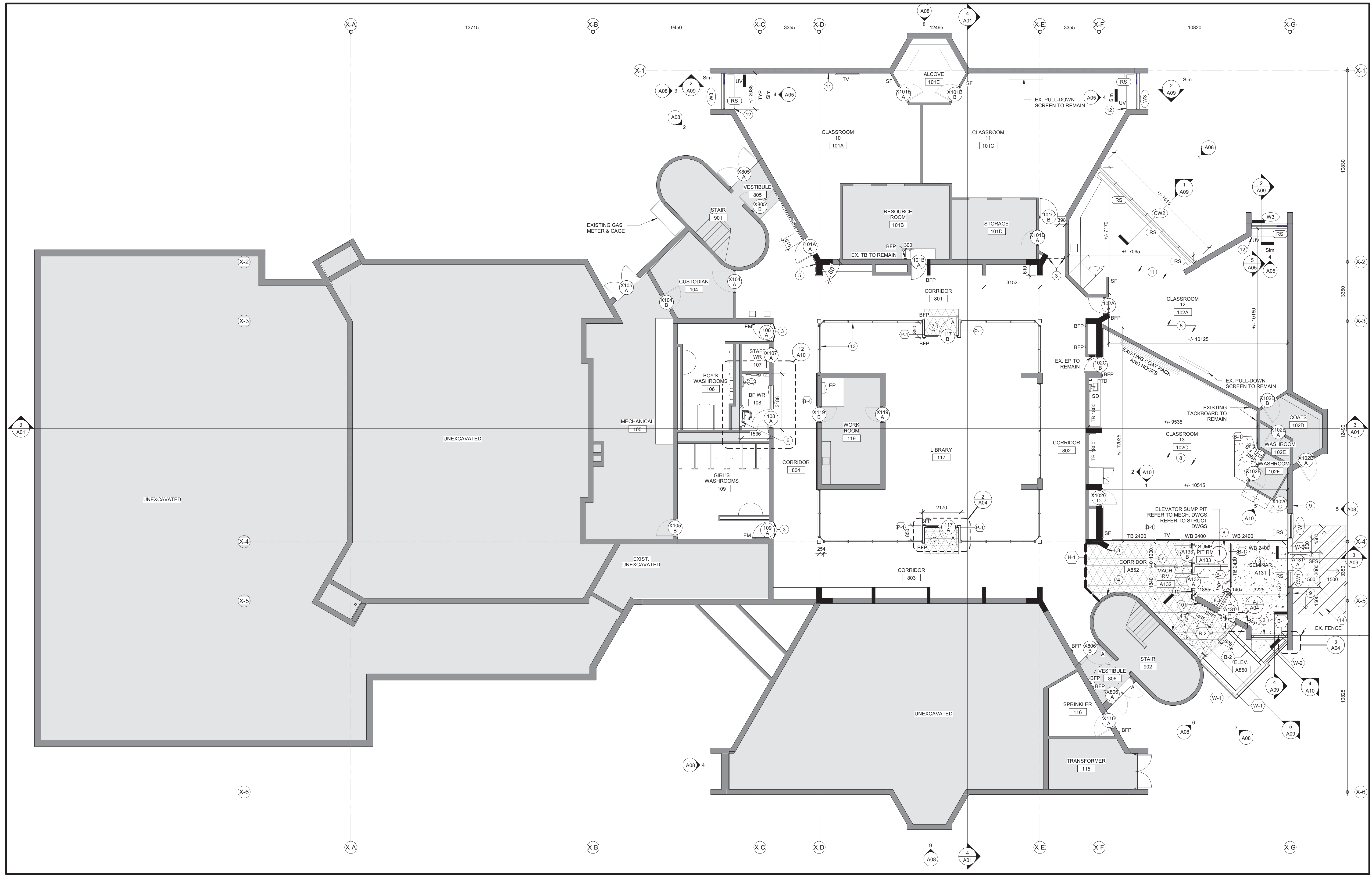
WALL & FLOOR HATCH LEGEND



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

ABBREVIATION LEGEND

- A ACTIVE LEAF
- AFF ABOVE FINISHED FLOOR
- ALUM ALUMINUM
- BB BULLETIN BOARD. REF. SPECS
- BO BOARD
- BF BARRIER FREE
- BFP BARRIER FREE PUSH BUTTON
- BFL BARRIER FREE PUSH BUTTON LOCK
- BL BARRIER FREE LOCKER
- BY BRICK VENT
- COP CONCRETE COMPOSITE PANEL
- CJ CONTROL JOINT
- CH CABINET HEATER (RECESSED)
- CHSR CABINET HEATER (SEM-RECESSED)
- CW COAT RACK AND SHELF
- CW+ COMPLETE WITH
- CWT CERAMIC WALL TILE
- DW DISHWASHER
- DWGS DRAWINGS
- ELEC ELECTRICAL
- EP ELECTRICAL PANEL. REF. ELEC. DWGS
- EPC EMERGENCY PULL CORD
- EW EYE WASH STATION
- EX EXISTING
- FB FIRE BLANKET
- FE FIRE EXTINGUISHER
- FEC FIRE EXTINGUISHER CABINET
- FD FLOOR DRAIN
- FRGB FIRE RATED GYPSUM BOARD
- GA GAUGE
- GALV GALVANIZED
- GYP GYPSUM BOARD
- GB GRAB BAR
- GBL GRAB BAR "L" SHAPE
- GBF GRAB BAR "FOLDING"
- GM GAS METER
- HD HAND DRYER
- HDB HAND DRYER WITH SHROUD
- HC HORIZONTAL
- HSS HOLLOW STRUCTURAL STEEL
- HW HOT WATER TANK
- LF LIGHT FIXTURE
- M MIRROR
- MCP MODULAR CONTROL PANEL
- MECH MECHANICAL
- MS MOP SINK
- NC NOT IN CONTRACT
- ND NOT IN CONTRACT
- PS PRIVACY SCREEN
- PTD PAPER TOWEL DISPENSER
- PTW PAPER TOWEL + WASTE RECEPTACLE
- RF REFRIGERATOR
- RM REMOVABLE HARDWARE MULLION
- RMC REINFORCED MASONRY COLUMN
- RS ROLLER SHADE
- SD SOAP DISPENSER
- SF SOUND FIELD SYSTEM. REF. TO ELEC. DWGS.
- SFS STRUCTURAL FROST SLAB
- SN SANITARY NAPKIN DISPOSAL
- SND SANITARY NAPKIN DISPENSER
- SWR SEM-RECESSED WASTE RECEPTACLE
- TB TACKBOARD
- TD TOILET PAPER DISPENSER
- TM T.M. MIRROR
- TV TELEVISION
- UIC UNDER THE COUNTER
- UV UNIT VENTILATOR. REFER TO MECH. DWGS.
- WB WHITEBOARD
- WC WINDOW COVERINGS REFER TO SPECS
- WD WASHER/ DRYER NIC
- WM WIREMOLD
- WR WASHROOM



1 PROPOSED FLOOR PLAN - GROUND FLOOR
SCALE: 1:100

NO	DESCRIPTION	DATE
1	ISSUED FOR PERMIT & TENDER	22 12 12



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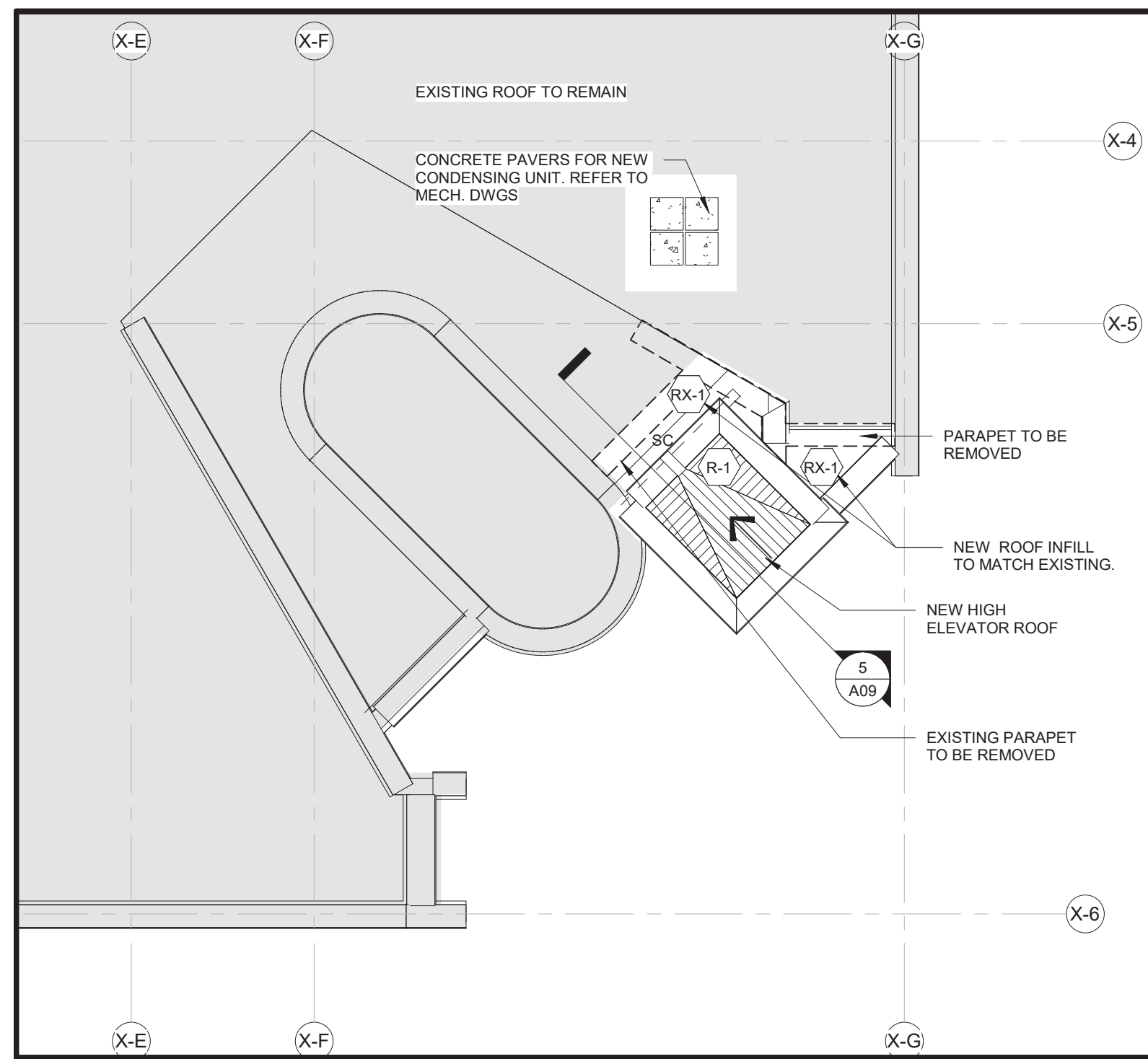


PROPOSED - GROUND FLOOR PLAN

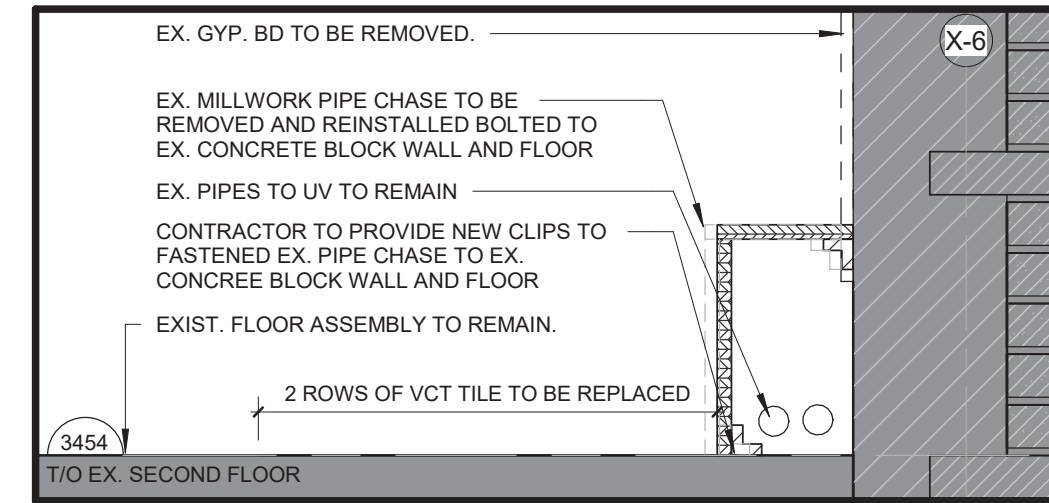
HOSSACK & ASSOCIATES ARCHITECTS



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2 PARTIAL PROPOSED ROOF PLAN
SCALE: 1:100



3 EXIST. PIPE CHASE DETAIL - TYPICAL FOR ALL CLASSROOMS
SCALE: 1:10

CONSTRUCTION NOTES

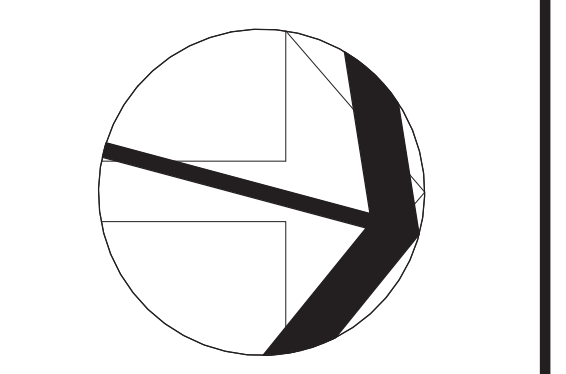
- PROVIDE INTERIOR HOARDING/DUST PROTECTION, 38mm WOOD FRAMING CONSTRUCTED @400 O.C. FILLED WITH BATT INSULATION, +/- 2mm IN HEIGHT TO MATCH EXISTING CEILING HEIGHT. 12mm PLYWOOD SHEATHING PAINTED WHITE ON CORRIDOR SIDE. REFER TO SPECS. CONTRACTOR TO PATCH AND MAKE GOOD FLOOR, WALLS AND CEILING AFTER REMOVAL.
- CLEAN EXISTING BRICK AND MORTAR ON EXISTING WALL TO REMAIN TO MATCH EXISTING. INFILL JOINTS WITH MORTAR AS REQUIRED.
- INFILL OPENING WITH 140 BLOCK FLUSH TO CLASSROOM SIDE. PROVIDE NEW BASE TO MATCH EXISTING.
- GRIND DOWN AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. FARGE SMOOTH. PREPARE FOR NEW PAINT TO ELEVATION AND DETAIL ON A05.
- NEW MILLWORK FILLER PIECES AT NEW UNIT VENTILATORS. REFER TO ELEVATION AND DETAIL ON A05.
- NEW FLOOR FINISH ON EXISTING FLOOR IN ENTIRE ROOM. NEW RUBBER BASE TO BE INSTALLED ONLY IN LOCATIONS WHERE REMOVED (NOT OVER BRICK BASE). REFER TO ROOM FINISH SCHEDULE.
- ANY BRICK DAMAGED BY TEMPORARY SHORING WALL TO BE REPLACED WITH SALVAGED BRICK. PATCH AND MAKE GOOD WALL ON BOTH SIDES TO MATCH EXISTING WALL AND TO RECEIVE NEW PAINT FINISH ON THE INTERIOR.
- CONTRACTOR TO RE-INSTALL ALL FLOOR MOUNTED CLASSROOM MILLWORK TO MATCH PREVIOUS CLASSROOM LAYOUT.

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- NEW CONCRETE SLAB IN FILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE
- FLOOR FINISH TO BE REMOVED AND REPLACED. REF. ROOM FINISH SCHEDULE
- EXISTING STRUCTURE TO REMAIN

GENERAL CONSTRUCTION NOTES
for Floor Plans and Reflected Ceiling Plans

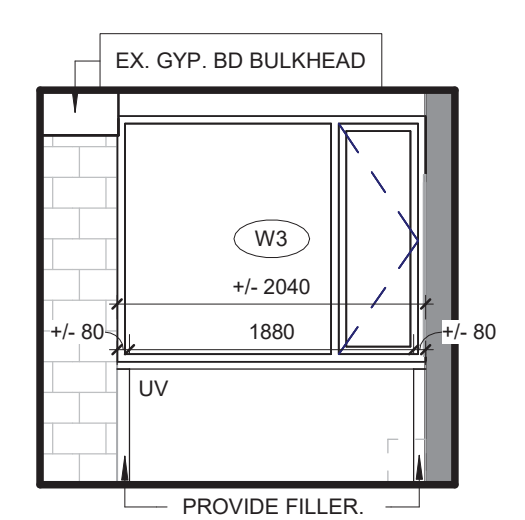
- GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCT., MECH., ELEC. DWGS. PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DWGS. AND SPEC.
- OWNER WILL MOVE AND RELOCATE ALL EXISTING FURNITURE AND TEACHING TOOLS WITHIN SCOPE OF WORK PRIOR TO CONSTRUCTION.
- GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.
- CONTRACTOR TO REPAIR AND MAKE GOOD ALL EXISTING WALLS AND PAINT WITHIN CONSTRUCTION AREA (INCLUDING CORRIDORS AFFECTED BY RENOVATION) SEE SPEC.
- ALL NOTED DIMENSIONS TO EXISTING WALL ASSEMBLIES ARE +/- AND MAY VARY. CONTRACTOR TO FIELD VERIFY AS REQUIRED.
- ALL AREAS OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION PER SPECIFICATIONS.



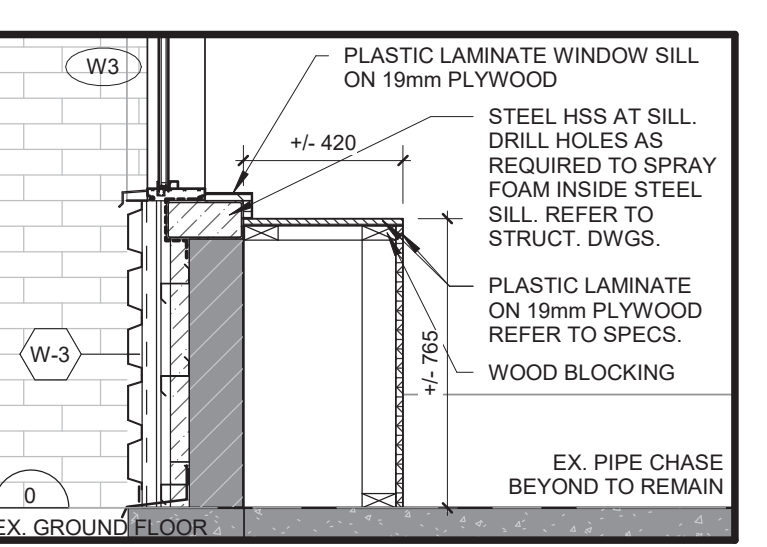
REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

ABBREVIATION LEGEND

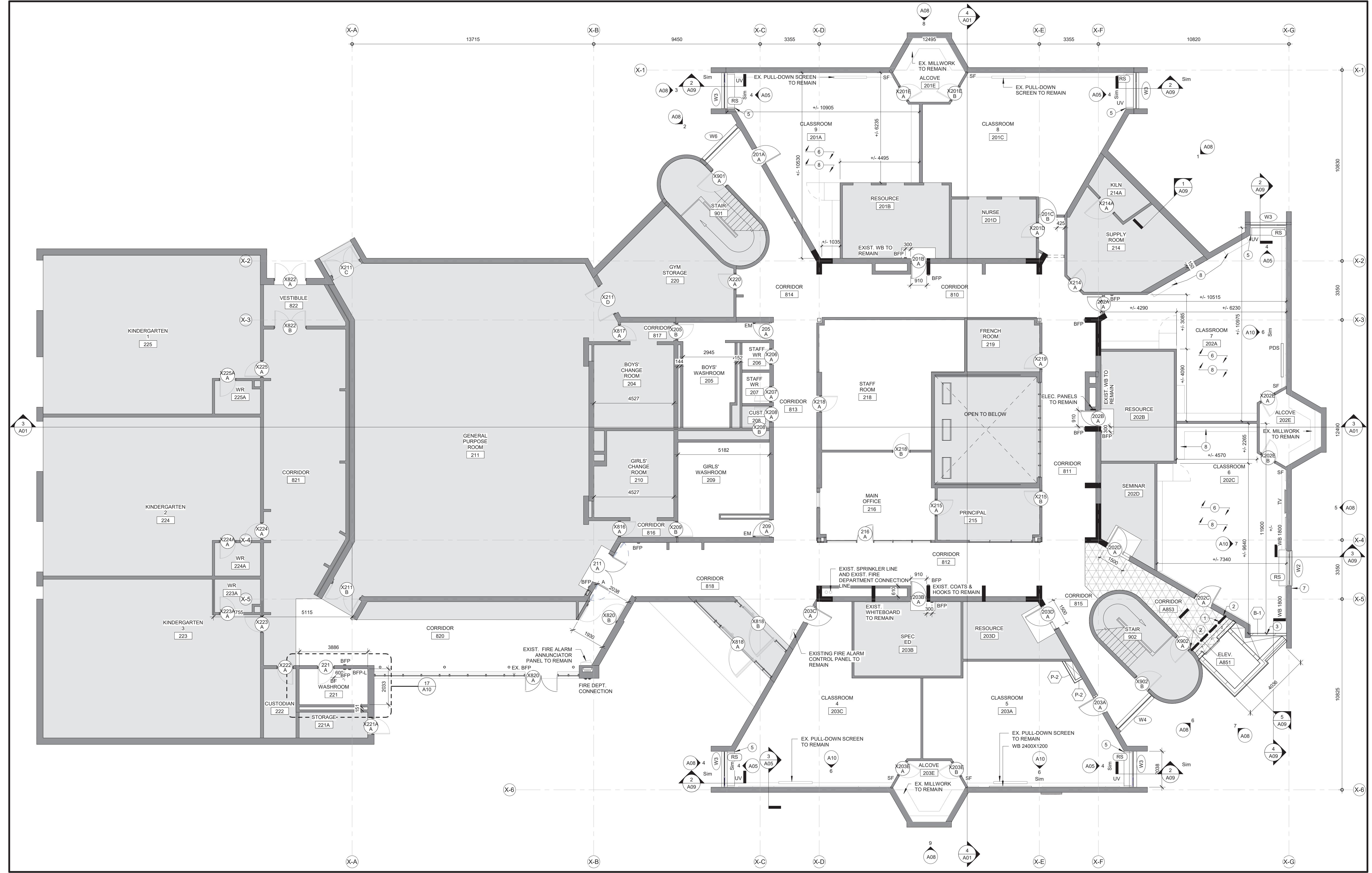
A	ACTIVE LEAF
AF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD. REF. SPECS
BO	BOARD
BFP	BARRIER FREE
BFP-P	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BL	BARRIER FREE LOCKER
CP	BRICK VENT
COP	CONCRETE COMPOSITE PANEL
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHSR	CABINET HEATER (SEMI-RECESSED)
CR+S	COAT RACK AND SHELF
CW	COMPLETE WITH
CWT	CERAMIC WALL TILE
DW	DISHWASHER
DWGS	DRAWINGS
ELEC.	ELECTRICAL
EP	ELECTRICAL PANEL. REF. ELEC. DWGS
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
EX	EXISTING
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
GA	GALV. GYPSUM BOARD
GALV	GALVANIZED
GPM	GYP. BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HDR	HAND DRYER WITH SHROUD
HO	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HWT	HOT WATER TANK
LF	LIGHT FIXTURE
M	MIRROR
MCP	MODULAR CONTROL PANEL
MECH.	MECHANICAL
MS	MOP SINK
NC	NOT IN CONTRACT
PD	PULL-DOWN SCREEN
PS	PRIVACY SCREEN
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
R	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RMC	REINFORCED MASONRY COLUMN
RS	ROLLER SHADE
SD	SOAP DISPENSER
SF	SOUND FIELD SYSTEM. REF. TO ELEC. DWGS.
SFS	STRUCTURAL FROST SLAB
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SWR	SEMI-RECESSED WASTE RECEPTACLE
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	T.M. MIRROR
TV	TELEVISION
UIC	UNDER THE COUNTER UNIT VENTILATOR. REFER TO MECH. DWGS.
UV	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
WD	WASHER/ DRYER NIC
WN	WRENCHES
WIR	WASHROOM



4 TYPICAL UV ELEVATION
SCALE: 1:50



5 TYPICAL DETAIL @ UV MILLWORK PIPE CHASE
SCALE: 1:20



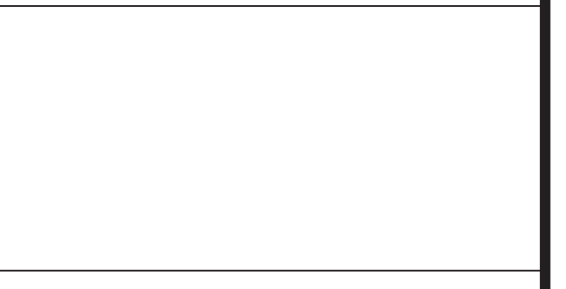
1 PROPOSED FLOOR PLAN - SECOND FLOOR
SCALE: 1:100

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DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THIS IS THE DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONIRIO ASSOCIATION ARCHITECTS
PRISCILLA LADOUCEUR
LICENCE 6553
Certificate of Practice # 4202

CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge ON N1R 1Y9



PROPOSED - SECOND FLOOR PLAN

HOSSACK & ASSOCIATES ARCHITECTS
4-2162 DUNDAS STREET WEST
HOSSACKS ARCHITECTS
140 (505) 607-0334 Fax: (505) 607-0330

SCALE	PROJECT
As Indicated	20118
DATE	DRAWING
DEC. 2022	PL
DRAWN	SC/GB
CHECKED	A05
PRINT DATE	2022-12-13 9:07:47 AM
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DEMOLITION NOTES - SECOND FLOOR

GENERAL NOTES

- REFER TO MECH. AND ELEC. CEILING PLANS FOR NEW OR RE-USED MECH. AND ELEC. DEVICES/FIXTURES NOT SHOWN ON ARCHITECTURAL CEILING PLANS.
- PATCH AND MAKE GOOD ALL EXISTING WALLS TO REMAIN FROM CEILING DEMOLITION. REFER TO PROPOSED PLANS AND ROOM FINISH SCHEDULE.
- LIGHT FIXTURES, GRILLES, DIFFUSERS, ETC. NOT SHOWN ON DEMOLITION REFLECTED CEILING PLAN WHERE ENTIRE EXISTING ASSEMBLY IS NOT TO BE REMOVED. REFER TO DEMOLITION MECH. AND ELEC. DWGS.

- PATCH AND MAKE GOOD EXISTING GYPSUM CEILING TO MATCH EXISTING AFTER REMOVAL OF WINDOW AND WALL ASSEMBLY.
- PATCH AND MAKE GOOD GRID AND CEILING TILE TO MATCH EXISTING AT NEW WINDOW.
- PATCH AND MAKE GOOD GRID AND CEILING TILE TO MATCH EXISTING AT NEW BLOCK WALL INFILL.
- REMOVE EXISTING PORTION OF CEILING ON CORRIDOR AS SHOWN. EXACT LOCATION TO BE DETERMINED ON SITE. REFER TO ELEC. DWGS. FOR SCOPE OF WORK. PATCH AND MAKE GOOD EXISTING CEILING TO REMAIN (INCLUDING 1hr FRR).
- REMOVE AND REPLACE EXISTING LIGHT FIXTURE. REFER TO ELEC. DWGS. AND PROPOSED RCP - SECOND FLOOR. PATCH AND MAKE GOOD CEILING TO MATCH EXISTING (INCLUDING THE 1hr FRR).
- PATCH AND MAKE GOOD. FILL ANY HOLES GYPSUM BOARD CEILING IN ITS ENTIRETY TO RECEIVE NEW PAINTING. REFER TO ROOM FINISH SCHEDULE.
- REMOVE EXIST. LOUVRE. SAWCUT AT BLOCK FOR BIGGER OPENING IN EXISTING BLOCK AND BRICK WALL FOR NEW LOUVRE OPENING. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW LINTEL / BEARING EXTENT. REF. STRUCT. DWGS. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. SALVAGE BRICK FROM OPENING CUTS FOR RE-USE. REFER TO MECH. DWGS. PATCH AND MAKE GOOD WALL AS REQUIRED TO MATCH EXISTING.
- CUT LOUVRE OPENING IN EXISTING BRICK ON BLOCK WALL FOR NEW LOUVRE. REFER TO MECH DWGS. PATCH AND MAKE GOOD ADJACENT WALLS. ENSURE TO ENOUGH BLOCK AS BEEN REMOVED FOR NEW LINTEL. REFER TO STRUCT. DWGS. SALVAGE AND STORAGE EXISTING BRICK. REMOVE ALTERNATE COURSES OF BRICK AT FRAME FOR TOOTHING IN OF BRICK INFILL. INFILL BRICK PORTION WITH SALVAGE BRICK. PATCH AND MAKE GOOD WALL TO MATCH EXISTING AS REQUIRED. PARGE SMOOTH.
- EXISTING PROJECTOR AND/OR PULL-DOWN SCREEN TO BE REMOVED AND HAND OVER TO OWNER. REPLACE ANY DAMAGED FIRE RATED CEILING TILE AS REQUIRED.
- REMOVE EXISTING GYPSUM BOARD CEILING AND STEEL STUD FRAMING FROM ENTIRE ROOM. LIGHT FIXTURES, ELEC. AND MECH. DEVICES ON CEILING. PATCH AND MAKE GOOD EXISTING WALLS AS REQUIRED FOR NEW FINISHES. REFER TO MECH. AND ELEC. DWGS. FOR LIGHTING AND HVAC REMOVALS NOT SHOWN ON THIS DRAWING.

DEMOLITION NOTES - GROUND FLOOR

GENERAL NOTES

- REFER TO MECH. AND ELEC. CEILING PLANS FOR NEW OR RE-USED MECH. AND ELEC. DEVICES/FIXTURES NOT SHOWN ON ARCHITECTURAL CEILING PLANS.
- PATCH AND MAKE GOOD ALL EXISTING WALLS TO REMAIN FROM CEILING DEMOLITION. REFER TO PROPOSED PLANS AND ROOM FINISH SCHEDULE.
- LIGHT FIXTURES, GRILLES, DIFFUSERS, ETC. NOT SHOWN ON DEMOLITION REFLECTED CEILING PLAN WHERE ENTIRE EXISTING ASSEMBLY IS NOT TO BE REMOVED. REFER TO DEMOLITION MECH. AND ELEC. DWGS.

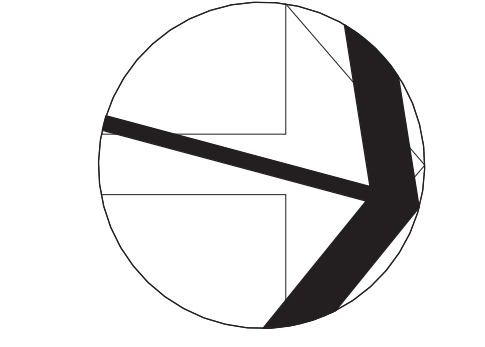
- REMOVE EXISTING CEILING TILES AND GRIDS, LIGHT FIXTURES, ELEC. AND MECH. DEVICES FROM ENTIRE ROOM. REFER TO MECH. AND ELEC. DWGS. PATCH AND MAKE GOOD EXISTING WALLS AS REQUIRED FOR NEW FINISHES. REFER TO MECH. AND ELEC. DWGS. FOR LIGHTING AND HVAC REMOVALS OR RELOCATION (WHERE APPLICABLE) NOT SHOWN ON THIS DRAWING.
- REMOVE EXISTING GYPSUM BOARD CEILING AND STEEL STUD FRAMING FROM ENTIRE ROOM. LIGHT FIXTURES, ELEC. AND MECH. DEVICES ON CEILING. PATCH AND MAKE GOOD EXISTING WALLS AS REQUIRED FOR NEW FINISHES. REFER TO MECH. AND ELEC. DWGS. FOR LIGHTING AND HVAC REMOVALS NOT SHOWN ON THIS DRAWING.
- REMOVE CEILING MOUNTED PROJECTOR MOUNT FROM CEILING AND HAND OVER TO OWNER.
- EXISTING CANOPY SOFFIT TO BE REMOVED IN ITS ENTIRETY. PATCH AND MAKE GOOD EXISTING WALLS AND SURFACES TO RECEIVE NEW FINISHES AND NEW CEILING.
- REMOVE AND REPLACE EXISTING LIGHT FIXTURE. REFER TO ELEC. DWGS. AND PROPOSED RCP - GROUND FLOOR. PATCH AND MAKE GOOD CEILING TO MATCH EXISTING (INCLUDING THE 1hr FRR).
- REMOVE EXISTING PORTION OF CEILING ON CORRIDOR AS SHOWN. EXACT LOCATION TO BE DETERMINED ON SITE. REMOVE ALL LIGHT FIXTURE AND ACCESS PANEL AS REQUIRED. KEEP FROM DUST AND DAMAGE TO BE REINSTALLED. REFER TO MECH. & ELEC. DWGS. FOR SCOPE OF WORK. PATCH AND MAKE GOOD EXISTING CEILING TO REMAIN (INCLUDING 1hr FRR).
- REMOVE EXISTING MOVEABLE PARTITION IN ITS ENTIRETY (INCLUDING GUIDES AND RAILS ON CEILING, WALLS AND FLOOR, AND ALL EXISTING HARDWARE RELATED TO THE PARTITION).
- REMOVE AND REPLACE CEILING TILE AND GRID AS REQUIRED FOR REMOVAL OF EXISTING REMOVABLE PARTITION ANCHORS.
- REMOVE AND REPLACE CEILING TILE AND GRID AS REQUIRED FOR ELEC. WORK. KEEP FREE FROM DUST AND DAMAGE. ALLOW FOR 10% REPLACEMENT. REFER TO ELEC. DWGS.
- REMOVE EXISTING PORTION OF CEILING ON CORRIDOR AS SHOWN. EXACT LOCATION TO BE DETERMINED ON SITE. REMOVE AND RELOCATE EXISTING VENT. REFER TO MECH. DWGS. AND PROPOSED RCP - GROUND FLOOR. PATCH AND MAKE GOOD CEILING TO MATCH EXISTING (INCLUDING THE 1hr FRR).
- REMOVE EXISTING LIGHT FIXTURE. REFER TO ELEC. DWGS. PATCH AND MAKE GOOD CEILING TO MATCH EXISTING (INCLUDING THE 1hr FRR).
- PATCH AND MAKE GOOD SURFACE OF CEILING. FILL ANY HOLES GYPSUM BOARD CEILING IN ITS ENTIRETY TO RECEIVE NEW PAINTING. REFER TO ROOM FINISH SCHEDULE.
- CORNHOLE IN REINFORCED CONCRETE PIERS FOR MECH. & ELEC. PIPING ABOVE CEILING. REFER TO MECH. & ELEC. DWGS. PATCH AND MAKE GOOD WALL TO MATCH EXISTING AND TO RECEIVE NEW PAINTING FINISH. REFER TO ROOM FINISH SCHEDULE.
- REMOVE EXISTING CEILING MOUNTED UNIT VENTILATOR. REFER TO MECH. DWGS. PATCH AND MAKE GOOD WALL, CEILING AND ADJACENT BULKHEADS TO MATCH EXISTING AND TO RECEIVE NEW FINISH. REFER TO ROOM FINISH SCHEDULE.
- REMOVE EXIST. LOUVRE. SAWCUT AT BLOCK FOR BIGGER OPENING IN EXISTING BLOCK AND BRICK WALL FOR NEW LOUVRE OPENING. ENSURE ENOUGH BRICK AND BLOCK IS REMOVED FOR NEW LINTEL / BEARING EXTENT. REF. STRUCT. DWGS. REMOVE ALTERNATE COURSES OF BRICK AT OPENING FOR TOOTHING BACK IN. SALVAGE BRICK FROM OPENING CUTS FOR RE-USE. REFER TO MECH. DWGS. PATCH AND MAKE GOOD WALL AS REQUIRED TO MATCH EXISTING.

- CUT LOUVRE OPENING IN EXISTING BRICK ON BLOCK WALL FOR NEW LOUVRE. REFER TO MECH DWGS. PATCH AND MAKE GOOD ADJACENT WALLS. ENSURE TO ENOUGH BLOCK AS BEEN REMOVED FOR NEW LINTEL. REFER TO STRUCT. DWGS. SALVAGE AND STORAGE EXISTING BRICK. REMOVE ALTERNATE COURSES OF BRICK AT FRAME FOR TOOTHING IN OF BRICK INFILL. INFILL BRICK PORTION WITH SALVAGE BRICK. PATCH AND MAKE GOOD WALL TO MATCH EXISTING AS REQUIRED. PARGE SMOOTH.
- EXISTING PROJECTOR AND/OR PULL-DOWN SCREEN TO BE REMOVED AND HAND OVER TO OWNER. REPLACE ANY DAMAGED FIRE RATED CEILING TILE AS REQUIRED.
- CONTRACTOR TO CUT ACCESS HOLES IN EXISTING GYPSUM BULKHEAD TO INSTALL NEW EXHAUST DUCT.

GENERAL DEMOLITION NOTES

for Demolition Floor Plans and Reflected Ceiling Plans

- COORDINATE SCOPE OF WORK SHOWN ON DEMOLITION PLANS WITH DESIGNATED SUBSTANCES AUDIT REPORT AND ABATEMENT SPECIFICATIONS.
- REMOVE ANY LEFTOVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS INCLUDING, BUT NOT LIMITED TO, BRACKETS, SHELVING AND WINDOW COVERINGS BEING REMOVED AND NOT NOTED FOR RE-INSTALLATION IN AREA OF WORK. PATCH AND MAKE GOOD HOLES IN WALL FROM FITMENT REMOVAL AS REQUIRED FOR NEW FINISHES.
- PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
- OWNER TO REMOVE ALL PLAQUES, MIRRORS AND ARTWORK PRIOR TO DEMOLITION. PATCH AND MAKE GOOD ANY MINOR HOLES FROM REMOVALS IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
- ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
- FOLLOWING REMOVALS OF FLOORING, ENSURE PREPARATION FOR NEW SURFACES INCLUDES PREPARATION OF REQUIRED, INCLUDING GRINDING, PATCHING AND LEVELING TO SUIT NEW FLOORING DEPTHS AND FLUSH TRANSITIONS. ALSO REFER TO SPECIFICATION AND FINISH SCHEDULE.
- WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS AS REQUIRED TO RECEIVE NEW FLOOR FINISHES. FEATHER NEW CONCRETE SLABS FOR TRANSITION AT EXISTING WITH REQUIRED FINISHES. INSTALL REQUIRED TRANSITION PIECES BETWEEN VARIOUS FLOOR FINISHES SUITABLE FOR CONDITIONS AND ACCEPTABLE TO THE OWNER. MATCH EXISTING WHERE NOTED. REFER TO ROOM FINISH SCHEDULE FOR REQUIRED FLOOR FINISHES AND LOCATIONS.
- COORDINATE AND PREPARE FOR NEW WORK INCLUDING REMOVALS, CUTTING, PREPARATION ETC. WHETHER ITEMS ARE SHOWN ON DEMOLITION PLAN OR NOT. INCLUDE ALL REQUIREMENTS FOR DEMOLITION AND PREPARATION TO SUIT PROPOSED FLOOR PLANS. ALL NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECH. AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
- REFER TO STRUCT. DWGS. FOR TYPICAL FLOOR INFILL DETAILS.
- PATCH AND MAKE GOOD ANY EXISTING HOLES DUE TO MECHANICAL / STRUCTURAL / ELECTRICAL PENETRATIONS INCLUDING MATCHING NON-RATED FIRE SEPARATIONS AT ALL REQUIRED WALLS AND BETWEEN FLOORS.
- REMOVED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION. ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
- ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

- RCP LEGEND**
- [Symbol] LIGHT FIXTURE REFER TO LIGHTING PLAN/LIGHTING SCHEDULES FOR TYPE
 - [Symbol] FLUSH MOUNTED LIGHT FIXTURE. REFER TO LIGHTING PLAN/LIGHTING SCHEDULES FOR TYPE
 - [Symbol] EXISTING LIGHT FIXTURE TO REMAIN. REFER TO ELEC. DWGS.
 - [Symbol] ACOUSTIC CEILING PANELS REFER TO SPECIFICATIONS FOR DESCRIPTION OF TYPES
 - [Symbol] SUPPLY DIFFUSER
 - [Symbol] RETURN DIFFUSER
 - [Symbol] GYPSUM BOARD CEILING OF BULKHEAD
 - [Symbol] LIGHT FIXTURE TO BE REMOVED. FOR TYPE AND MOUNTING SEE ELEC. DWGS.
 - [Symbol] CEILING HEIGHT FROM FINISHED FLOOR
 - [Symbol] LF LIGHT FIXTURE
 - [Symbol] GYP GYPSUM BOARD
 - [Symbol] PDS PULL-DOWN SCREEN
 - [Symbol] CMP CEILING MOUNTED PROJECTOR
 - [Symbol] UM CEILING MOUNTED UNIT VENTILATOR. REFER TO MECH. DWGS.
 - [Symbol] LV LOUVRE - REFER TO MECH. DWGS.
 - [Symbol] SP SPEAKER FOR ASSISTIVE LISTENING SYSTEM. REFER TO ELEC. DWGS.

WALL & CEILING HATCH LEGEND

- [Symbol] EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- [Symbol] EXISTING WALLS TO REMAIN
- [Symbol] EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- [Symbol] PORTION OF CEILING TO BE REMOVED. REFER TO CEILING PLANS FOR EXTENT SHOWN
- [Symbol] EXISTING STRUCTURE TO REMAIN

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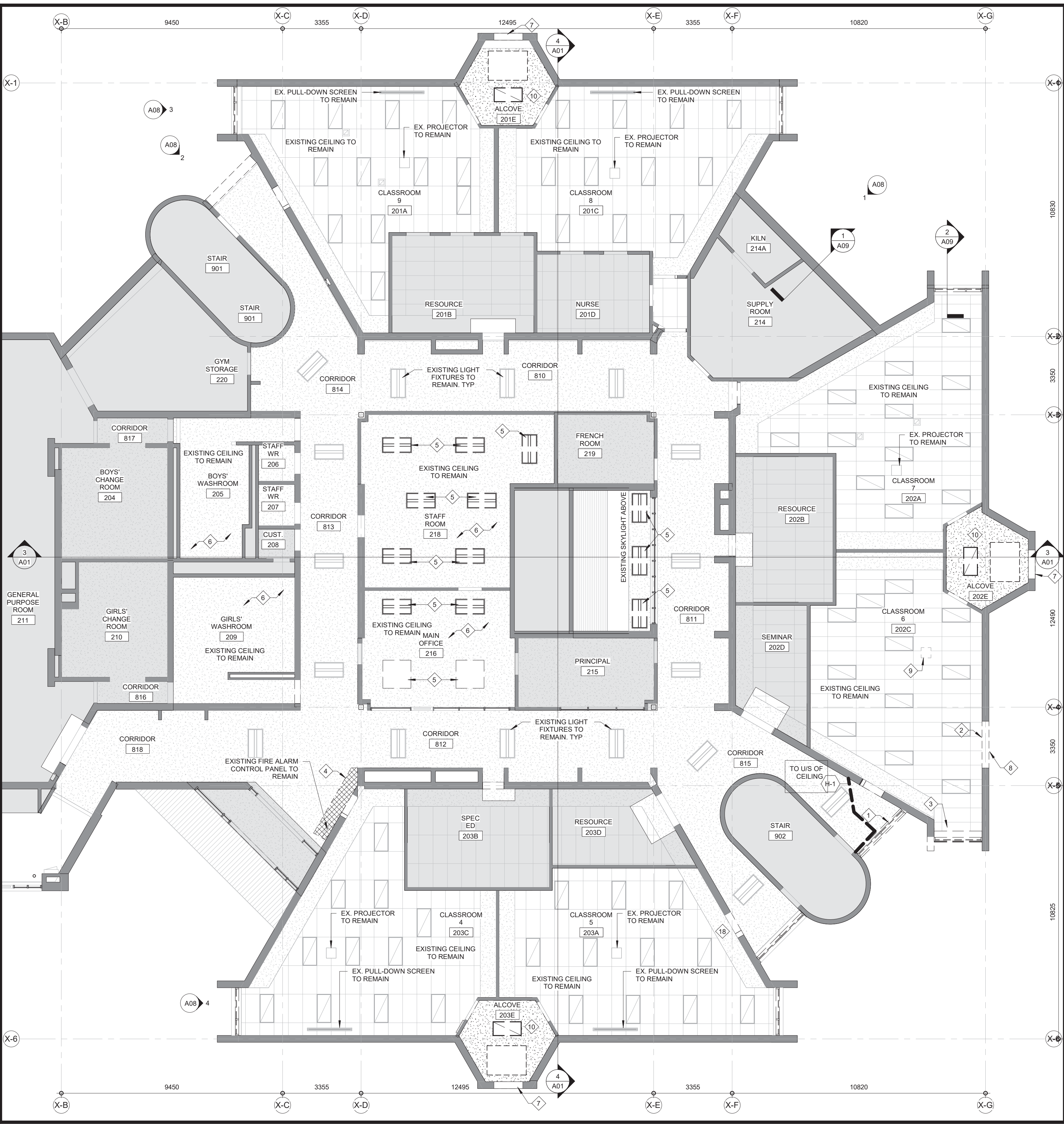


DEMOLITION - REFLECTED CEILING PLAN

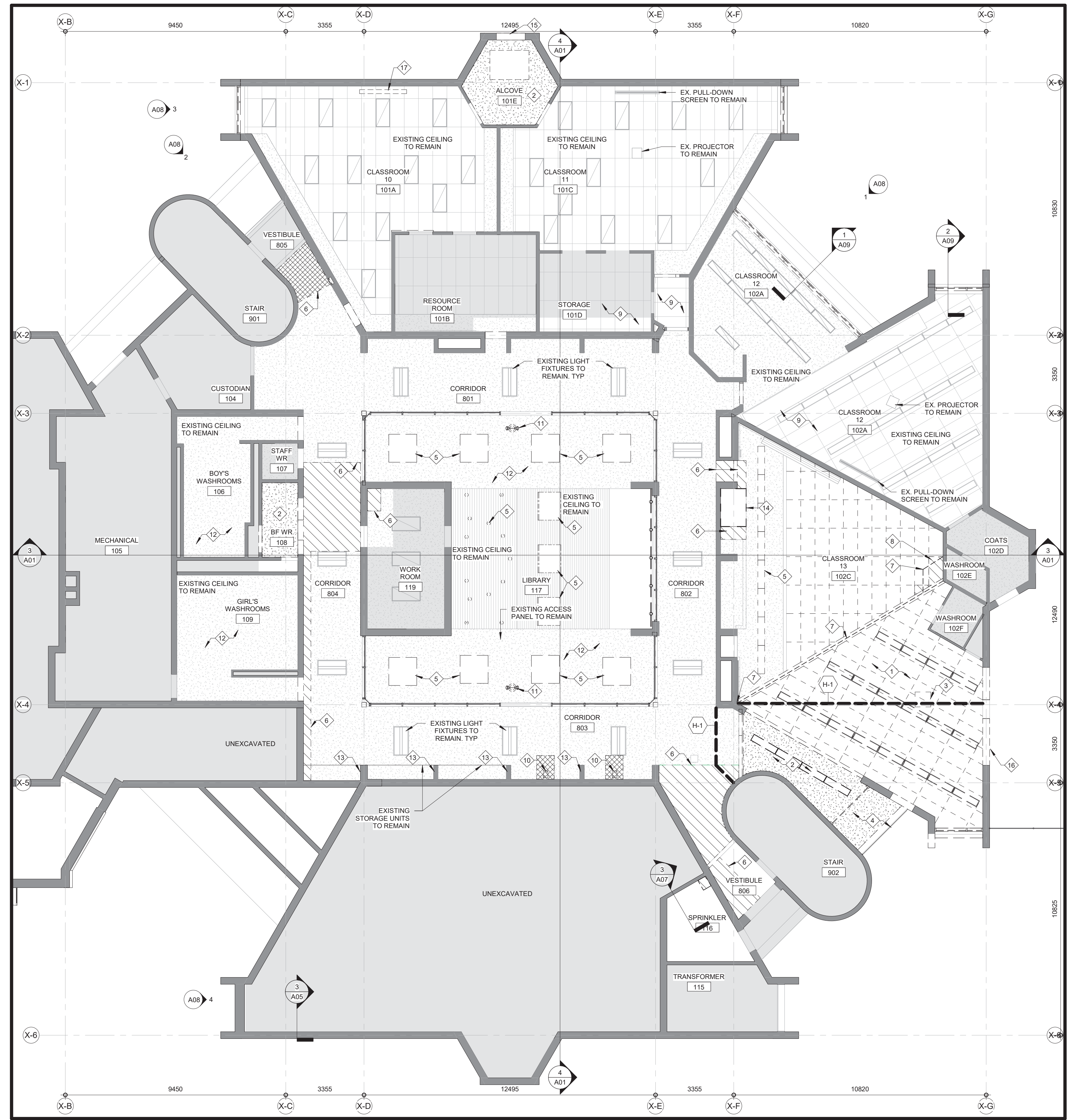
HOSSACK & ASSOCIATES ARCHITECTS

4-216 DUNDAS DRIVE
WATERLOO, ONTARIO N2L 2G6
TEL: (565) 857-8384 FAX: (565) 857-8386

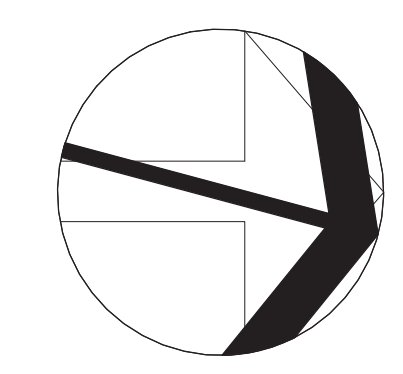
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3 DEMOLITION RCP - SECOND FLOOR
SCALE: 1:100

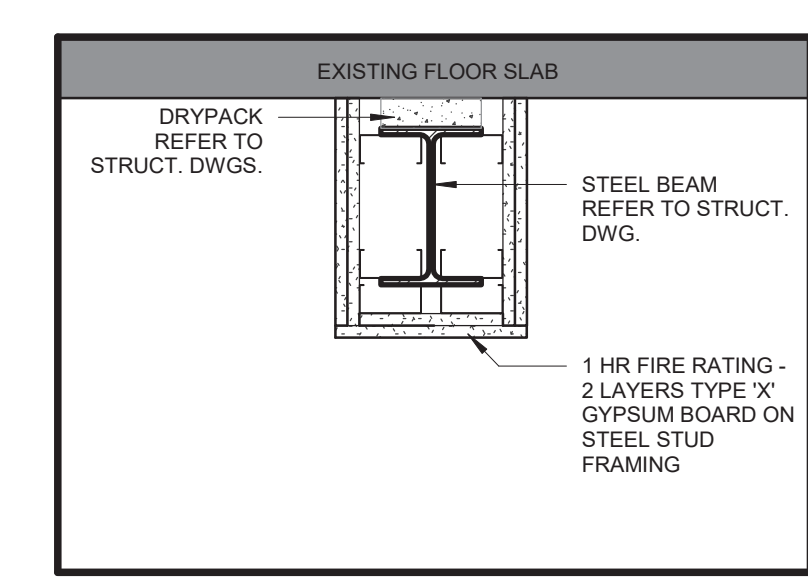


1 DEMOLITION RCP - GROUND FLOOR
SCALE: 1:100



REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

- RCP LEGEND**
- LIGHT FIXTURE REFER TO LIGHTING PLANS/LIGHTING SCHEDULES FOR TYPE
 - FLUSH MOUNTED LIGHT FIXTURE REFER TO LIGHTING PLANS/LIGHTING SCHEDULES FOR TYPE
 - EXISTING LIGHT FIXTURE TO REMAIN. REFER TO ELEC. DWGS.
 - ACOUSTIC CEILING PANELS REFER TO SPECIFICATIONS FOR DESCRIPTION OF TYPES
 - SUPPLY DIFFUSER
 - RETURN DIFFUSER
 - GYPSUM BOARD CEILING OF BULKHEAD
 - LIGHT FIXTURE TO BE REMOVED. FOR TYPE AND MOUNTING SEE ELEC. DWGS.
 - CEILING HEIGHT FROM FINISHED FLOOR
 - LF LIGHT FIXTURE
 - GYP GYPSUM BOARD
 - PDS PULL-DOWN SCREEN
 - CMP CEILING MOUNTED PROJECTOR
 - CEILING MOUNTED UNIT VENTILATOR. REFER TO MECH. DWGS.
 - LV LOUVER - REFER TO MECH. DWGS.
 - SP SPEAKER FOR ASSISTIVE LISTENING SYSTEM. REFER TO ELEC. DWGS.



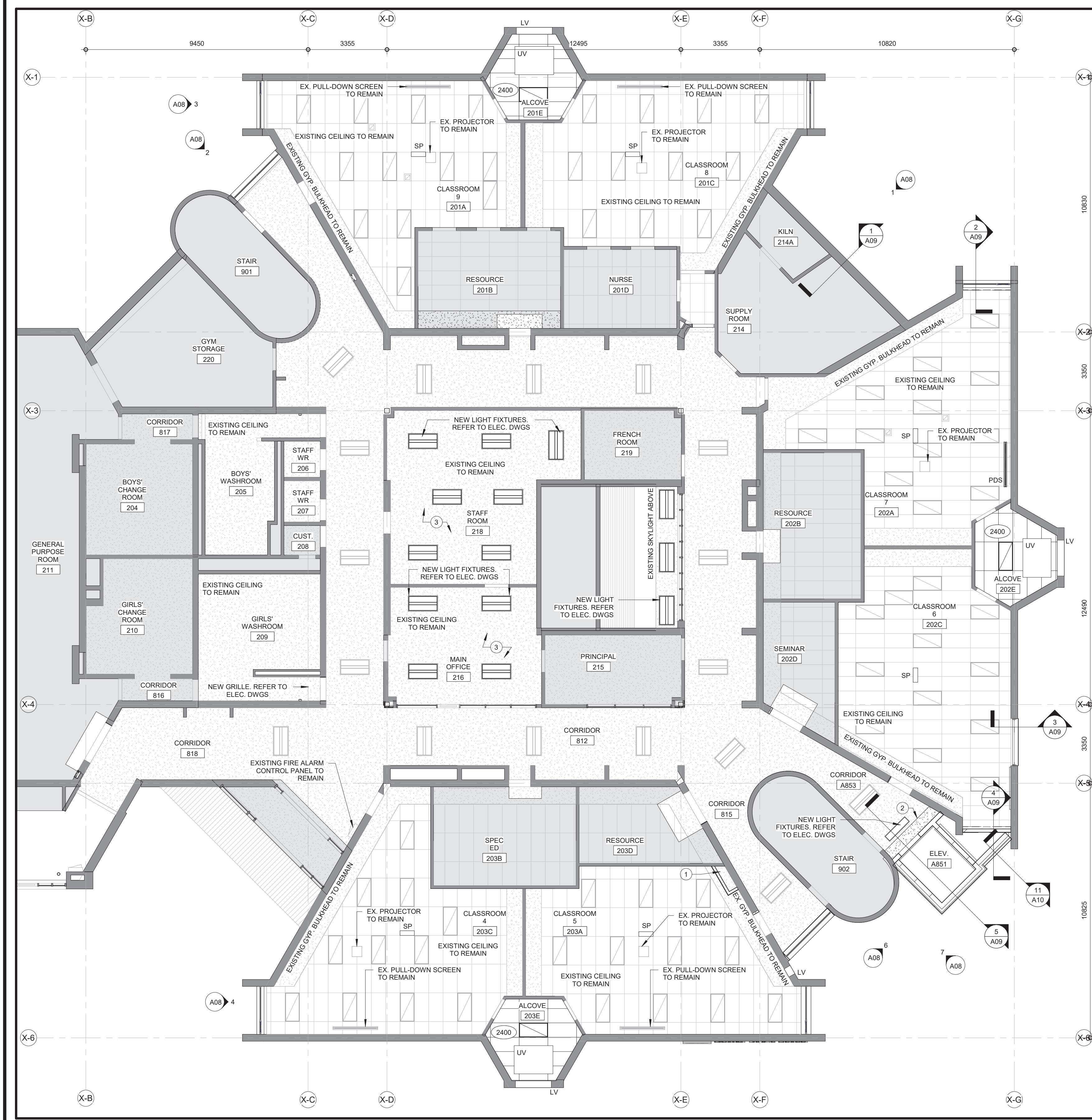
3 1 HR FIRE RATING AT STEEL BEAMS
SCALE: 1:10

- WALL & FLOOR HATCH LEGEND**
- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
 - EXISTING WALLS TO REMAIN
 - EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
 - EXISTING CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
 - NEW CONCRETE SLAB INFILL ON SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE
 - FLOOR FINISH TO BE REMOVED AND REPLACED. REF. ROOM FINISH SCHEDULE
 - EXISTING STRUCTURE TO REMAIN

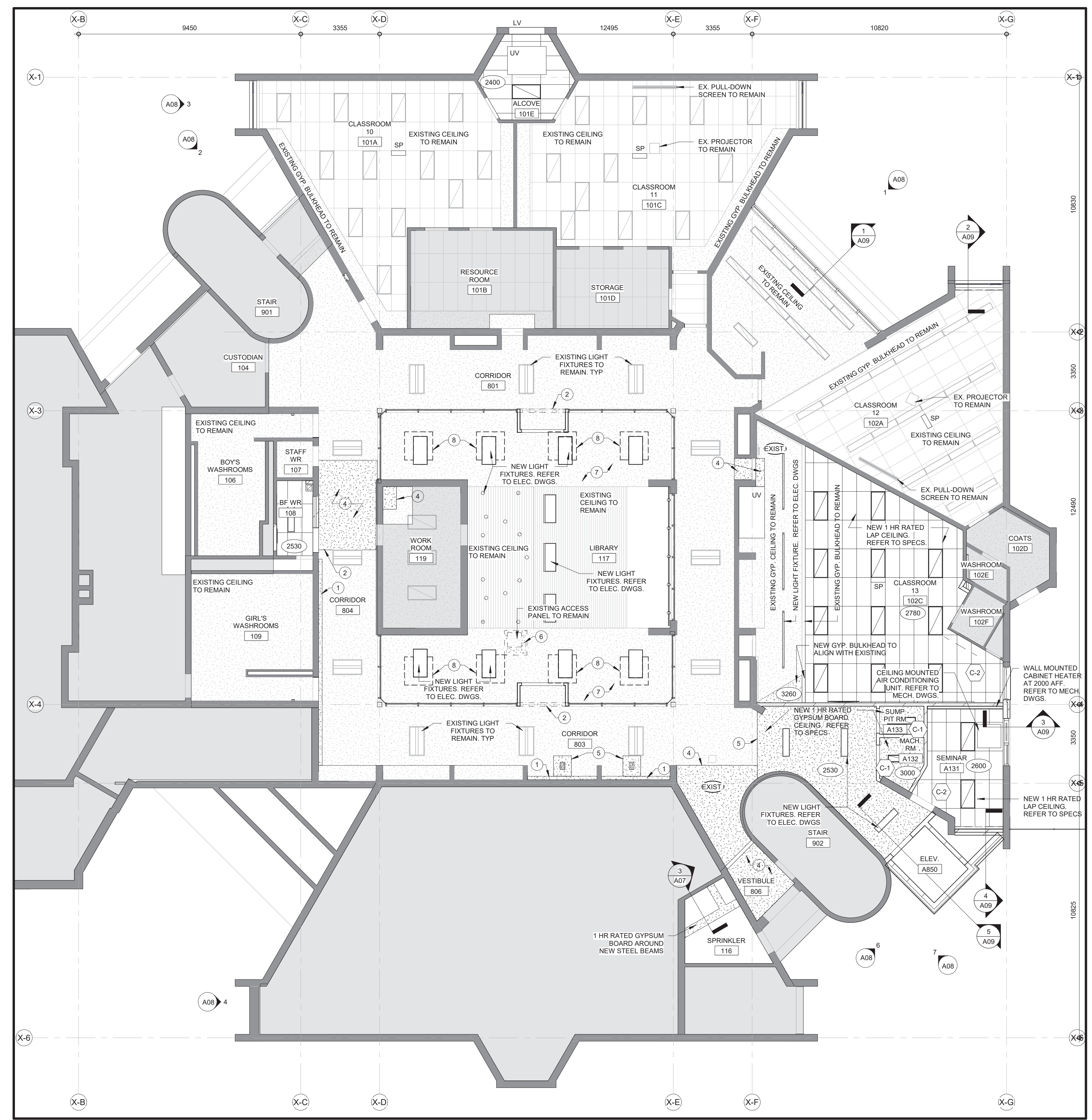
- GENERAL CONSTRUCTION NOTES**
for Floor Plans and Reflected Ceiling Plans
- GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.
 - ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCT., MECH., ELEC. DWGS. PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DWGS. AND SPEC.
 - OWNER WILL MOVE AND RELOCATE ALL EXISTING FURNITURE AND TEACHING TOOLS WITHIN SCOPE OF WORK PRIOR TO CONSTRUCTION.
 - GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.
 - CONTRACTOR TO REPAIR AND MAKE GOOD ALL EXISTING WALLS AND PAINT WITHIN CONSTRUCTION AREA INCLUDING CORRIDORS AFFECTED BY RENOVATION. SEE SPEC.
 - ALL NOTED DIMENSIONS TO EXISTING WALL ASSEMBLIES ARE REQUIRED.
 - ALL AREAS OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION PER SPECIFICATIONS.

- CONSTRUCTION NOTES - SECOND FLOOR**
- CUT EXISTING GYP. BULKHEAD AS REQUIRED FOR NEW DUCTWORK. REFER TO MECH. DWGS.
 - NEW CEILING HEIGHT TO MATCH EXISTING CEILING IN CORRIDOR. (INCLUDING 1hr FRR)
 - PATCH AND MAKE GOOD ENTIRE EXISTING GYP. CEILING TO RECEIVE NEW PAINT. REFER TO ELEC. DWGS. FOR NEW LIGHTING.
 - NEW PORTION OF GYPSUM BOARD CEILING FOR NEW CONDUITS. PATCH AND MAKE GOOD TO MATCH EXISTING.
 - NEW CEILING HEIGHT TO MATCH EXISTING CEILING IN CORRIDOR. (INCLUDING 1hr FRR)
 - PATCH AND MAKE GOOD PORTION OF EXISTING CEILING SURROUNDING EXISTING ACCESS PANEL. 1hr FRR TO BE MAINTAINED.
 - PATCH AND MAKE GOOD ENTIRE EXISTING GYP. CEILING TO RECEIVE NEW PAINT. REFER TO ELEC. DWGS. FOR NEW LIGHTING.
 - PATCH AND MAKE GOOD EXISTING CEILING WHERE LIGHT FIXTURES WERE REMOVED. FILL ANY EXISTING HOLES AND REMOVE ANY EXISTING ADHESIVE. PREPARE SURFACE TO RECEIVE PAINT FINISH.

- CONSTRUCTION NOTES - GROUND FLOOR**
- NEW GYPSUM BOARD BULKHEAD. PATCH AND MAKE GOOD EXISTING CEILING TO RECEIVE NEW PAINT.
 - NEW PORTION OF GYPSUM BOARD CEILING. PATCH AND MAKE GOOD TO MATCH EXISTING (INCLUDING 1hr FRR)
 - RELOCATED EXISTING LIGHT FIXTURES. PATCH AND MAKE GOOD EXISTING CEILING TO RECEIVE NEW PAINT.
 - NEW PORTION OF GYPSUM BOARD CEILING FOR NEW CONDUITS. PATCH AND MAKE GOOD TO MATCH EXISTING.
 - NEW CEILING HEIGHT TO MATCH EXISTING CEILING IN CORRIDOR. (INCLUDING 1hr FRR)
 - PATCH AND MAKE GOOD PORTION OF EXISTING CEILING SURROUNDING EXISTING ACCESS PANEL. 1hr FRR TO BE MAINTAINED.
 - PATCH AND MAKE GOOD ENTIRE EXISTING GYP. CEILING TO RECEIVE NEW PAINT. REFER TO ELEC. DWGS. FOR NEW LIGHTING.
 - PATCH AND MAKE GOOD EXISTING CEILING WHERE LIGHT FIXTURES WERE REMOVED. FILL ANY EXISTING HOLES AND REMOVE ANY EXISTING ADHESIVE. PREPARE SURFACE TO RECEIVE PAINT FINISH.



2 PROPOSED RCP - SECOND FLOOR
SCALE: 1:100



1 PROPOSED RCP - GROUND FLOOR
SCALE: 1:100

1 ISSUED FOR PERMIT & TENDER 22 12 12
NO. DESCRIPTION DATE
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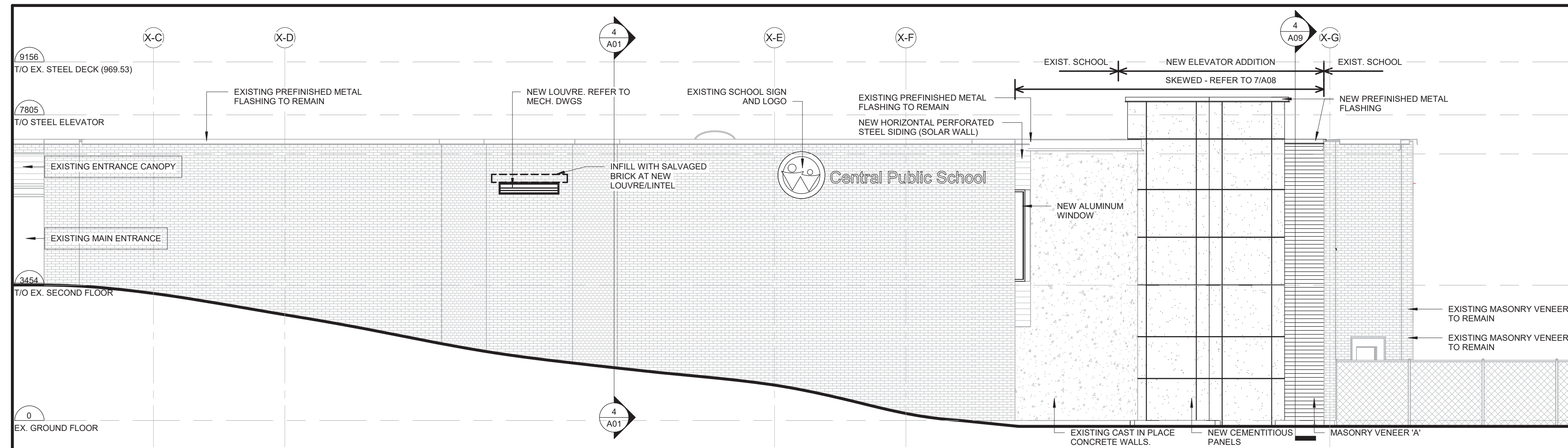
CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge, ON N1R 1V9



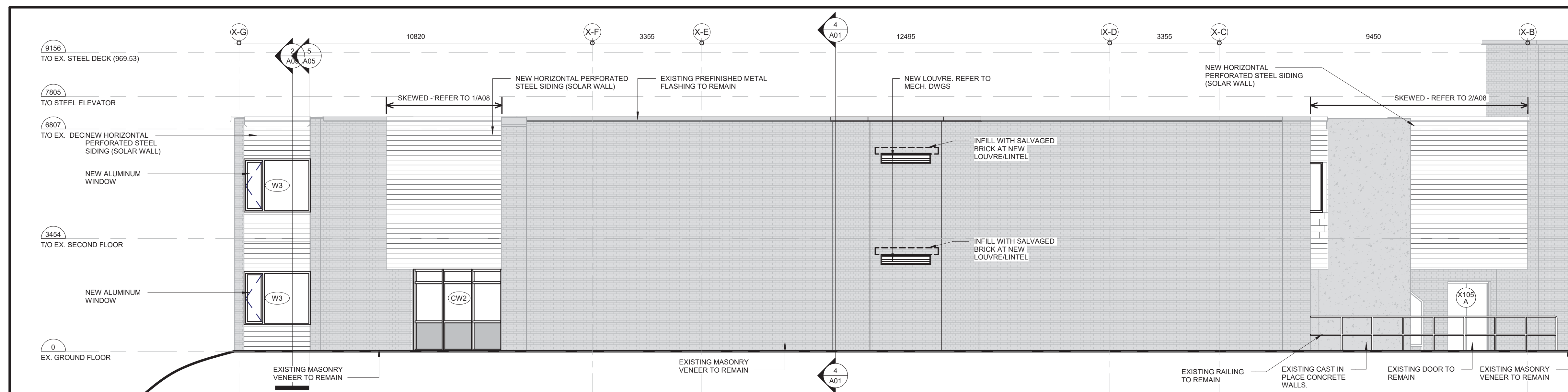
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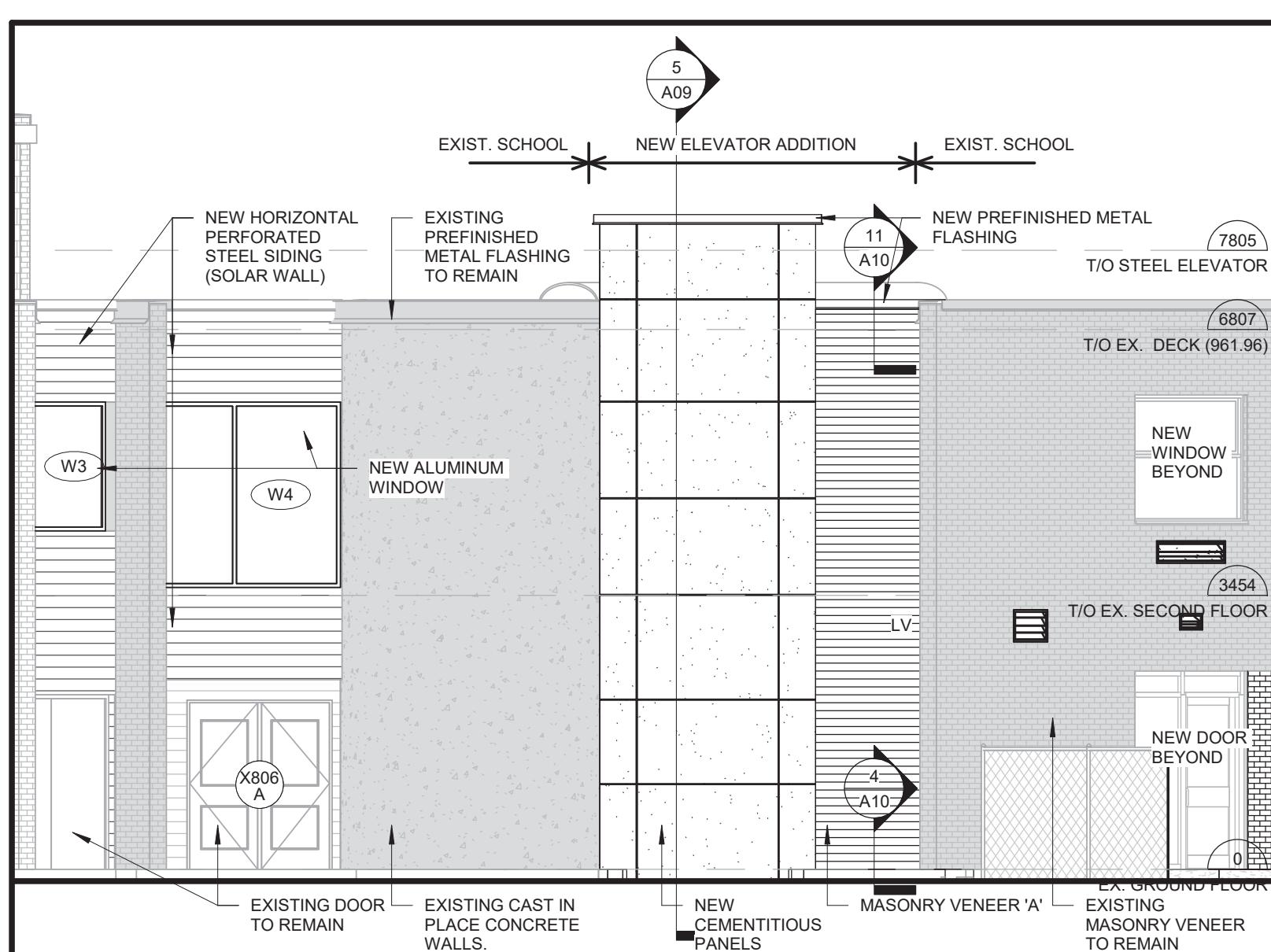
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As Indicated	20118
DATE	DEC. 2022
DRAWING	SC/GB
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PRINT DATE	2022-12-13 9:08:25 AM
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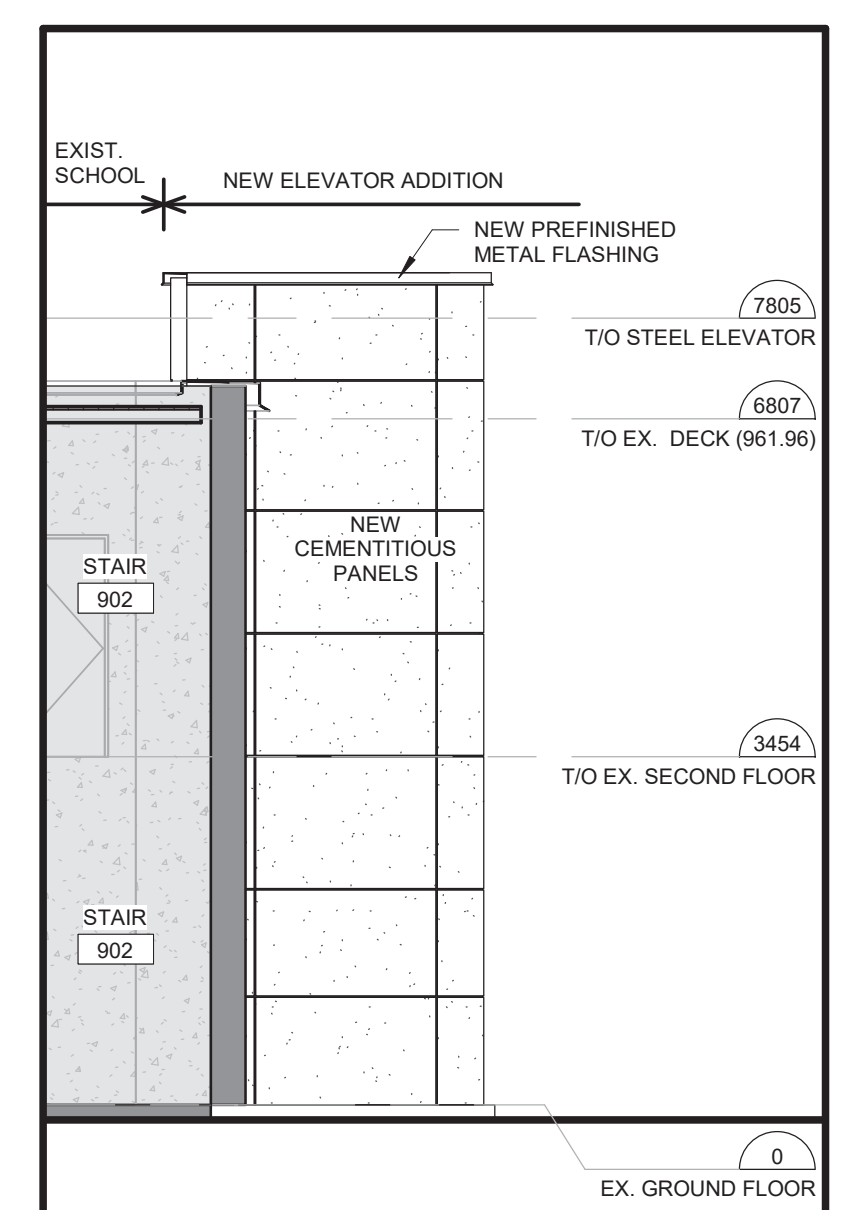
9 PARTIAL EAST ELEVATION
SCALE: 1:75



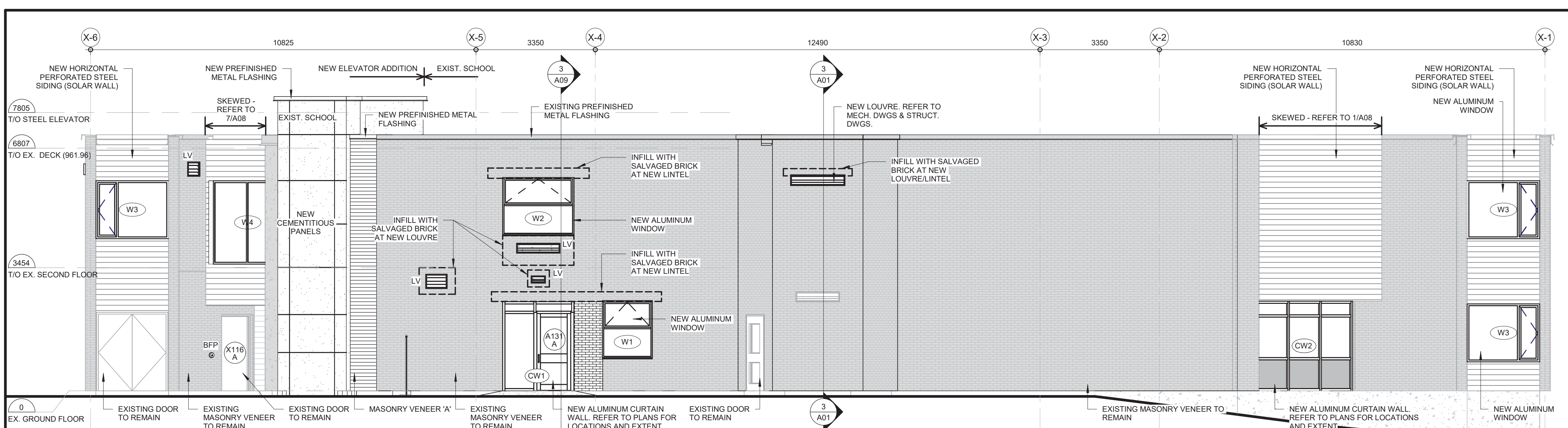
8 PARTIAL WEST ELEVATION
SCALE: 1:75



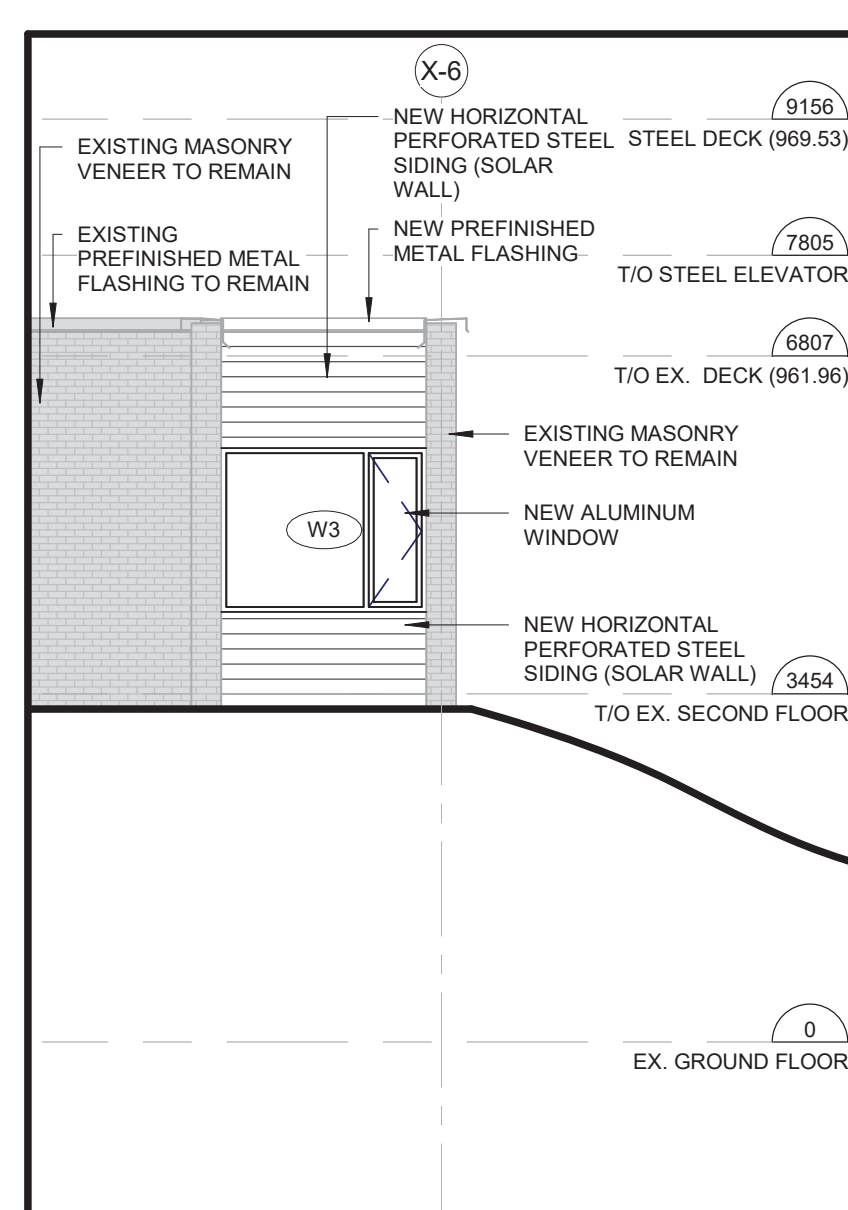
7 PARTIAL NORTH ELEVATION - ELEVATOR ADDITION
SCALE: 1:75



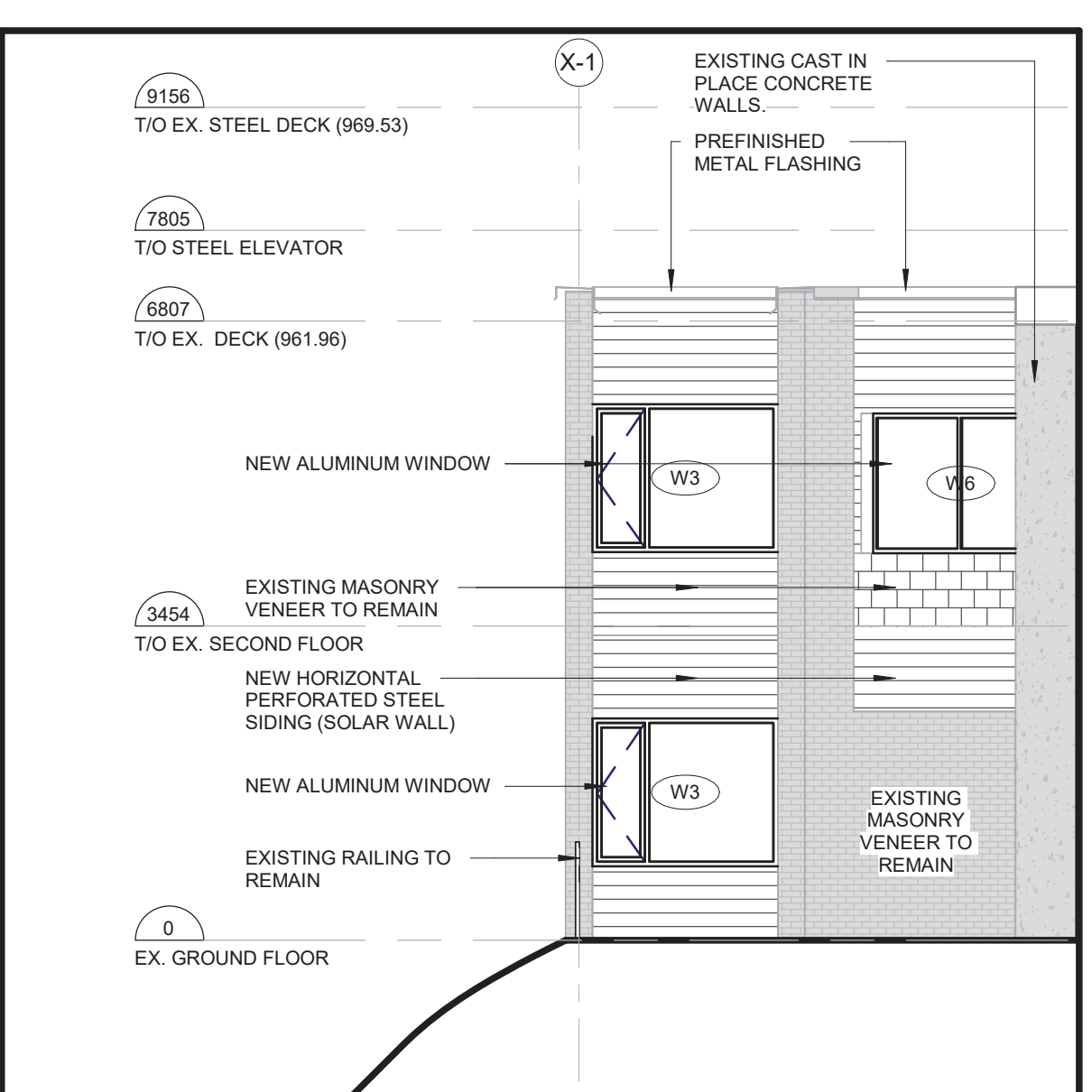
6 PARTIAL EAST ELEVATION - ELEVATOR SHAFT
SCALE: 1:75



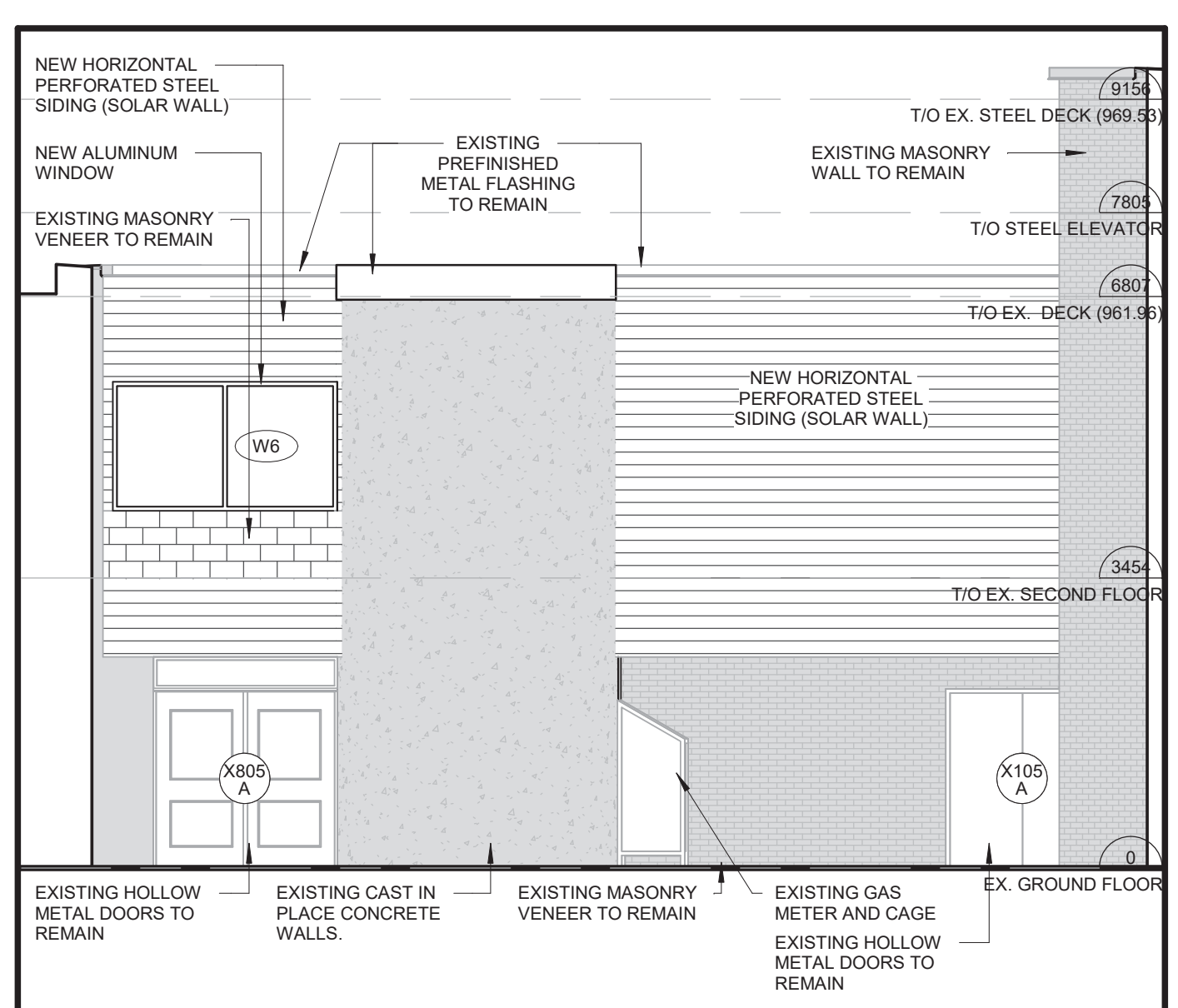
5 NORTH ELEVATION
SCALE: 1:75



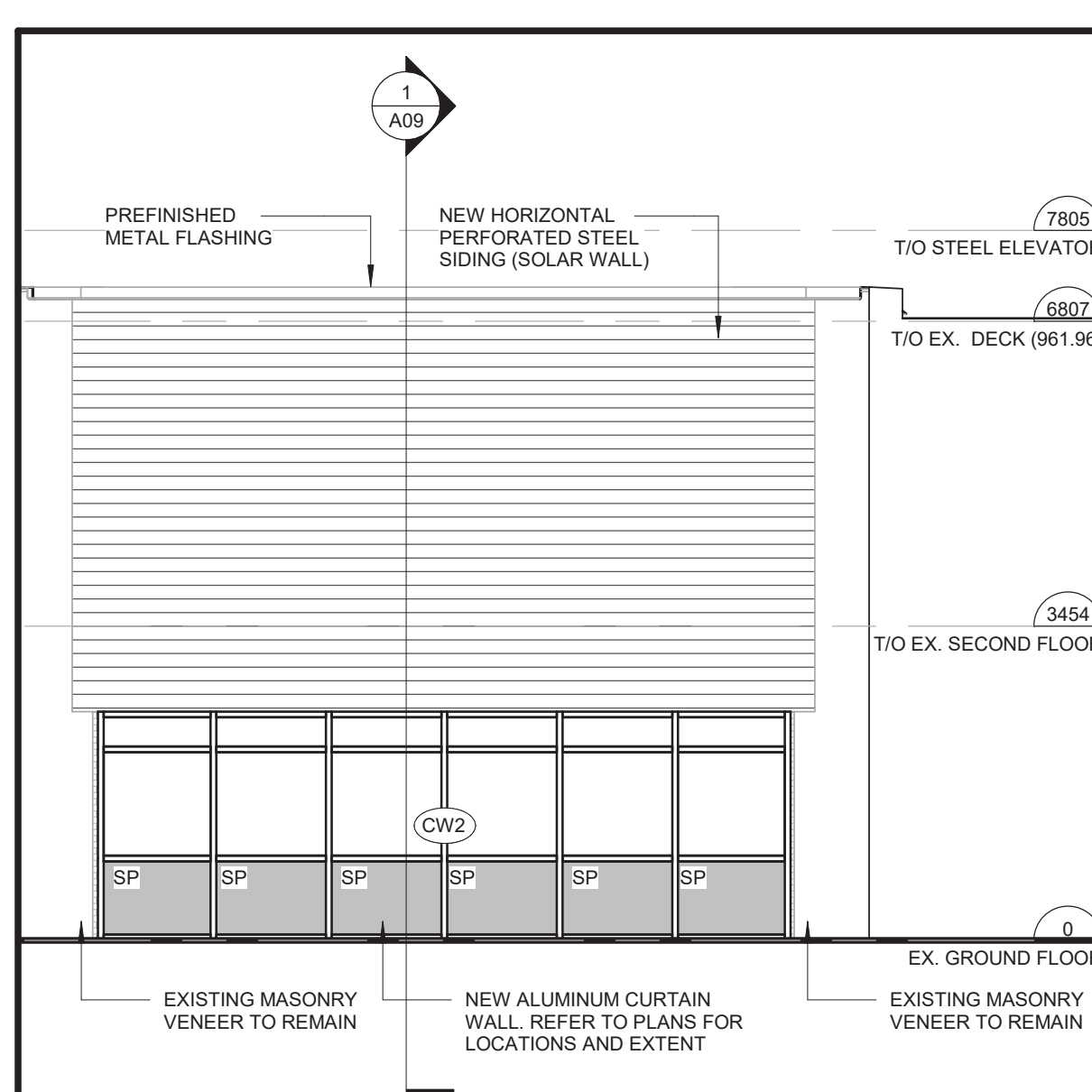
4 PARTIAL SOUTH ELEVATION - FRONT OF SCHOOL
SCALE: 1:75



3 PARTIAL SOUTH ELEVATION - BACK OF SCHOOL 1
SCALE: 1:75



2 PARTIAL SOUTH ELEVATION - BACK OF SCHOOL 2
SCALE: 1:75



1 PARTIAL NORTH-WEST ELEVATION
SCALE: 1:75

REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

- MATERIAL LEGEND**
- EXISTING MASONRY VENEER TO REMAIN
 - EXISTING CAST IN PLACE CONCRETE TO REMAIN
 - EXISTING STONE VENEER TO REMAIN
 - NEW CEMENTITIOUS PANELS
 - NEW MASONRY VENEER 'A' (WHITE)
 - NEW HORIZONTAL PERFORATED STEEL SIDING (SOLAR WALL) REFER TO SPECS
 - SPANDREL PANEL (GREY)
- BV BRICK VENT - REFER TO MECH. DWGS
 SP SPANDREL PANEL

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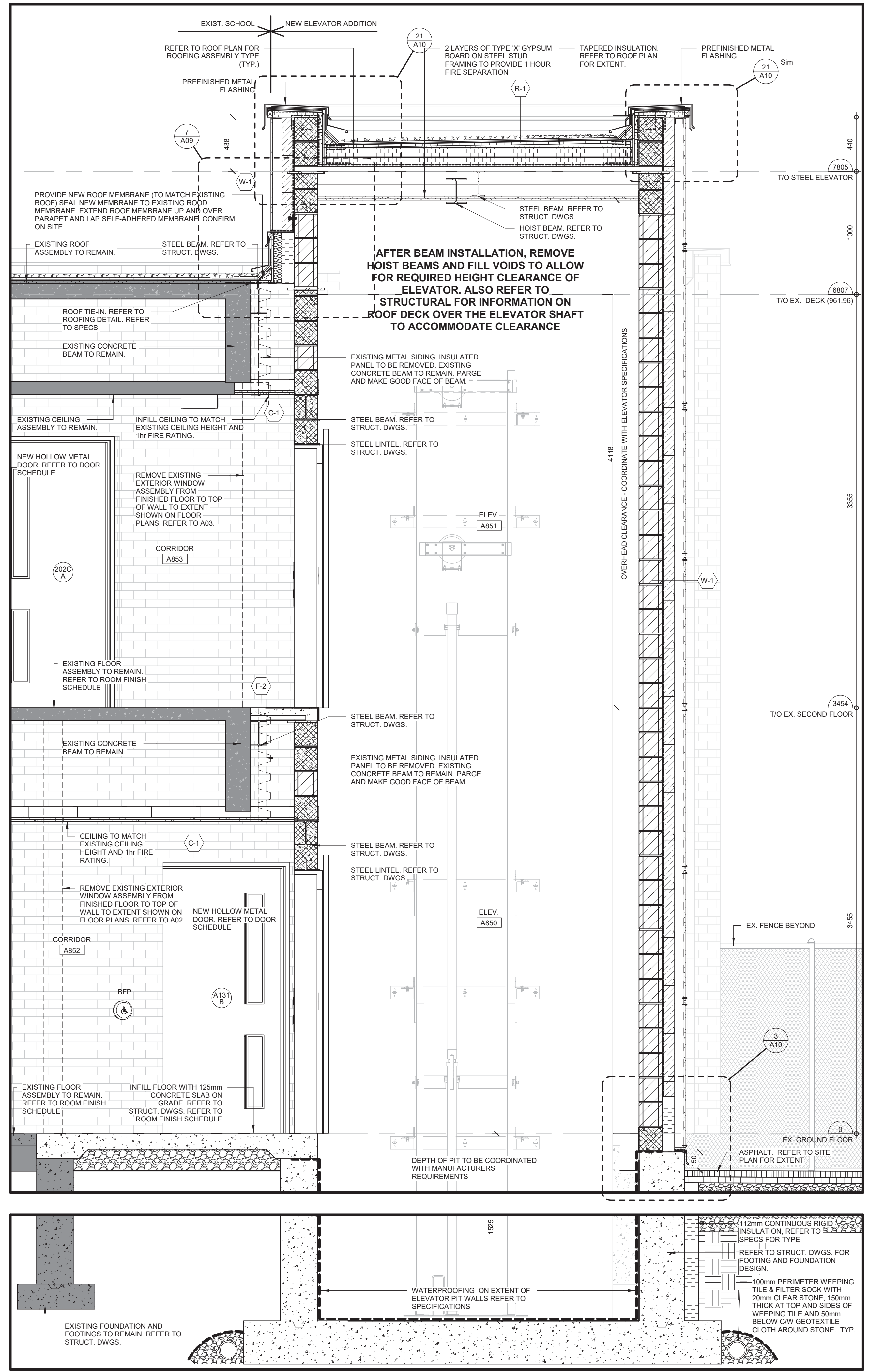
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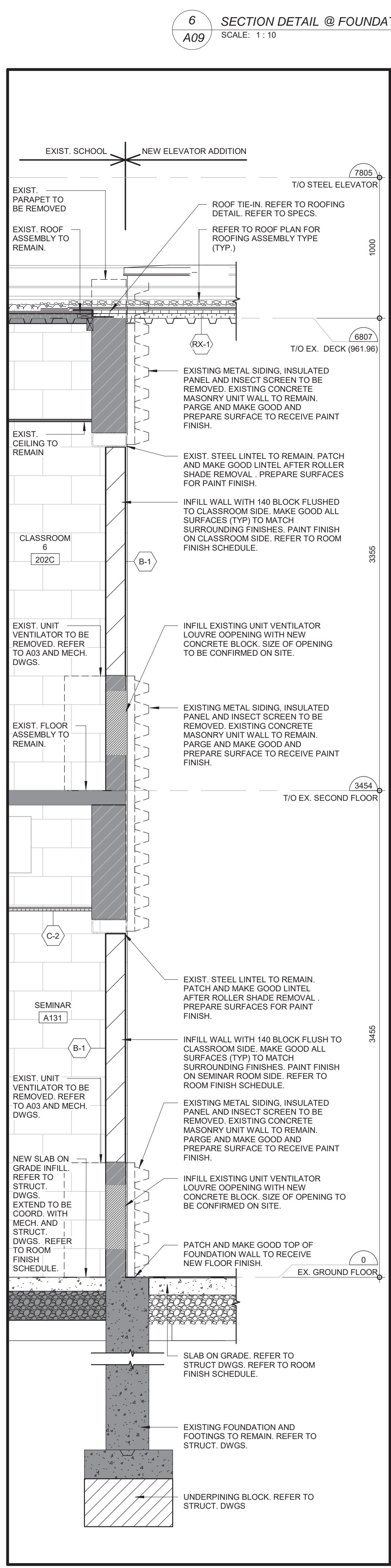
EXTERIOR ELEVATIONS



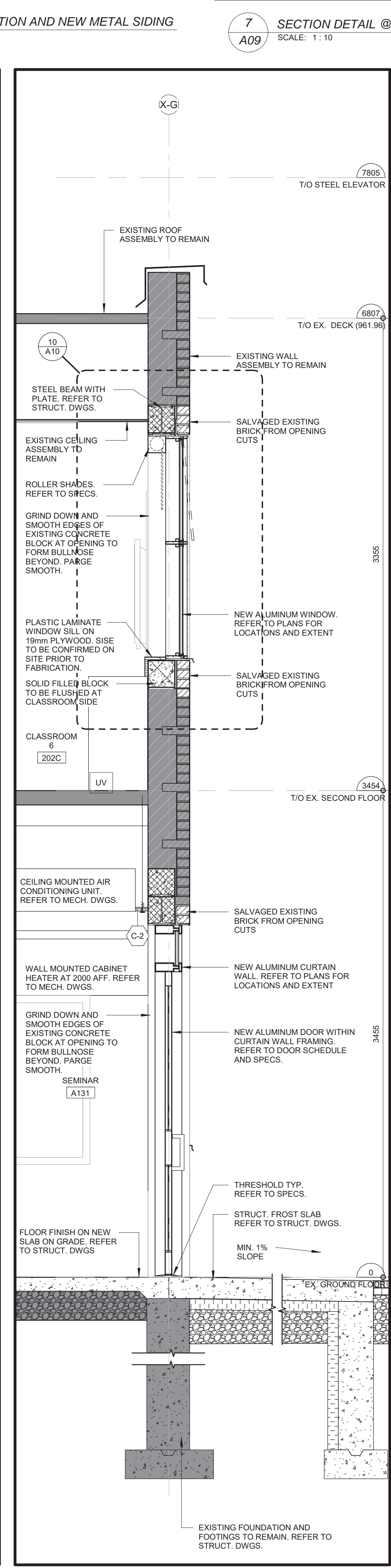
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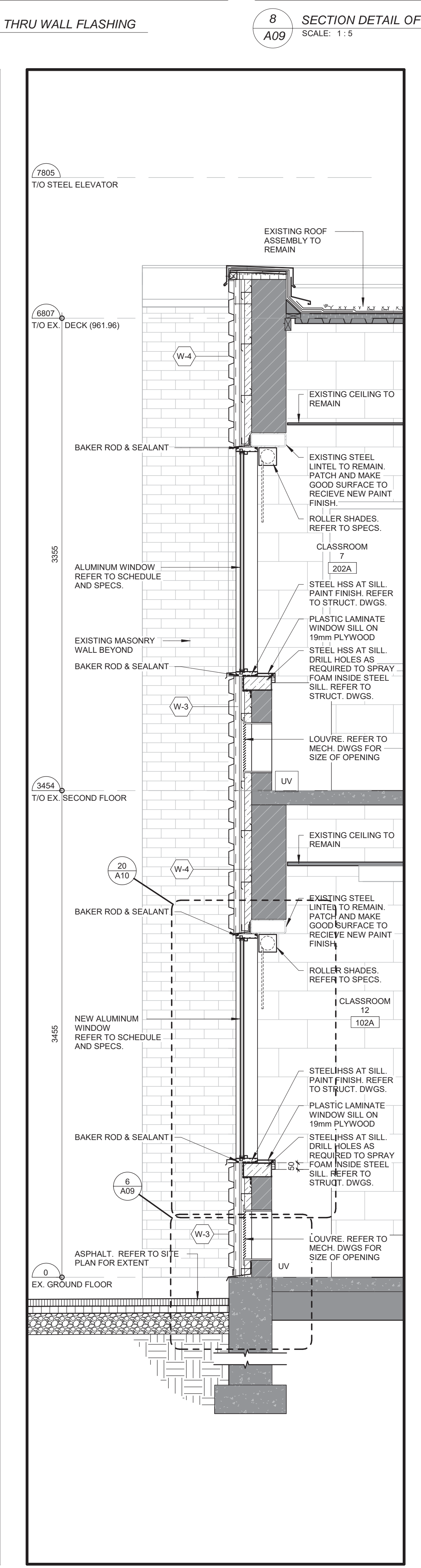
5 WALL SECTION THRU ELEVATOR
A09 SCALE: 1:20



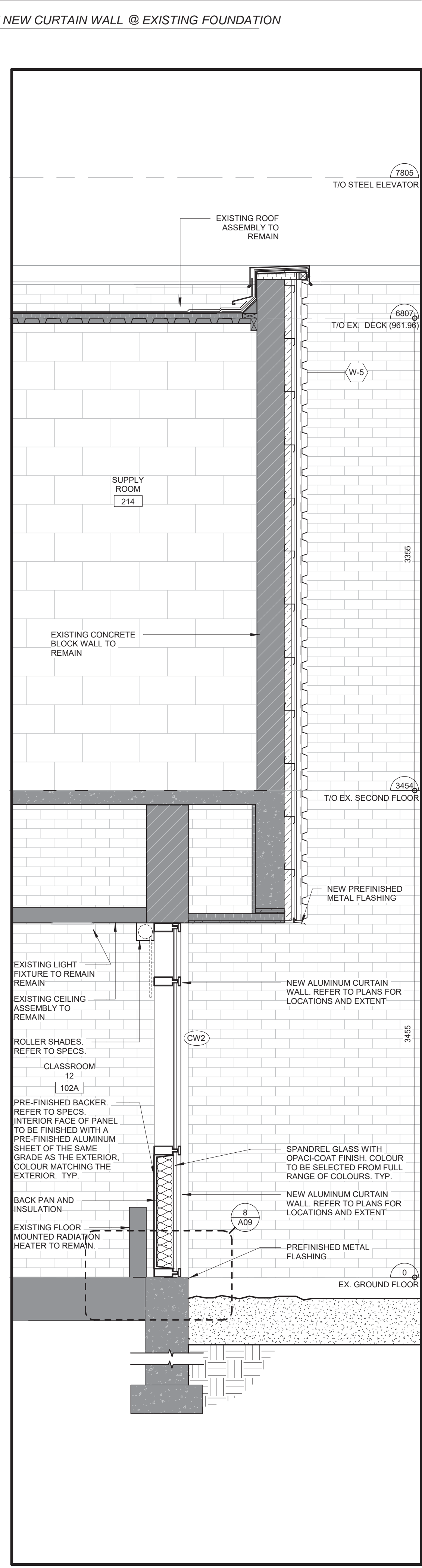
4 WALL SECTION @ MACH. ROOM A132 & CLASSROOM 6
A09 SCALE: 1:20



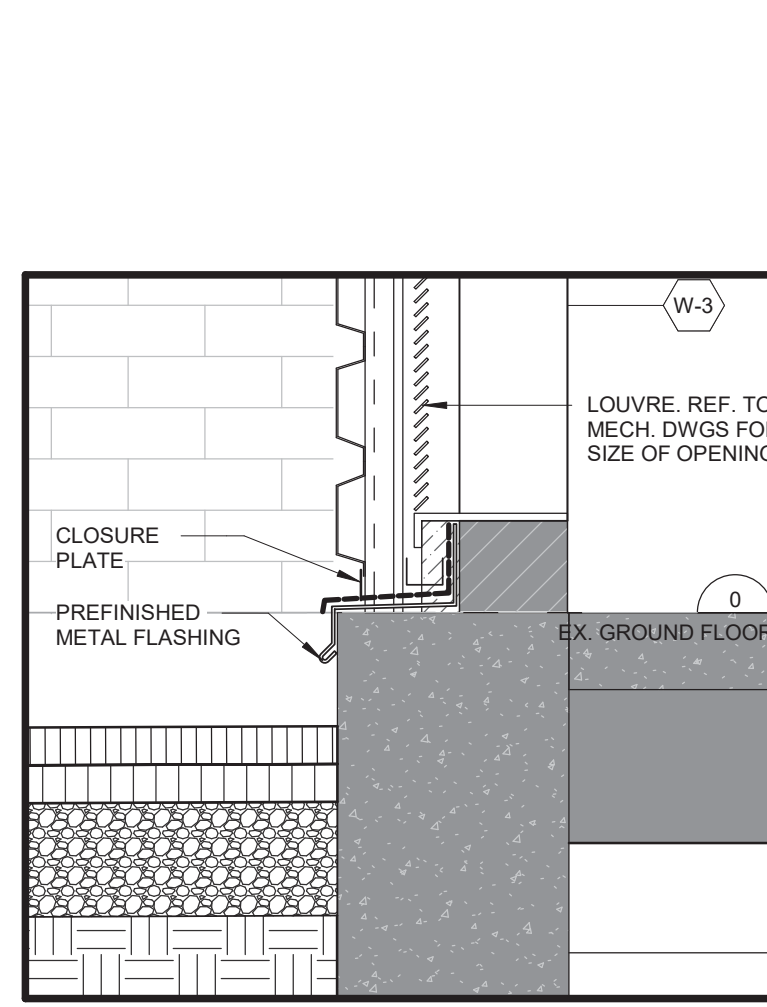
3 WALL SECTION @ EX. MASONRY WALL AND NEW DOOR & WINDOW
A09 SCALE: 1:20



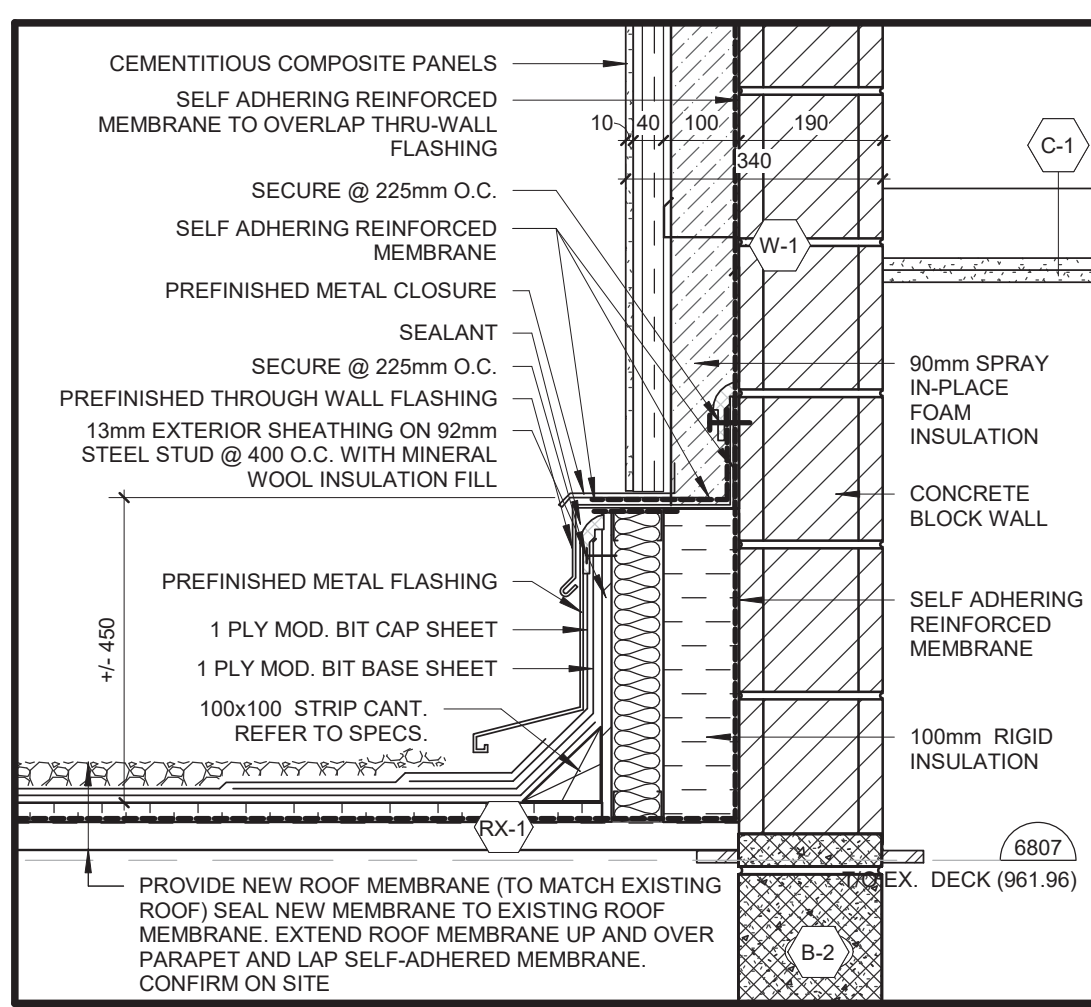
2 WALL SECTION @ EX. MASONRY WALL W/ METAL SIDING
A09 SCALE: 1:20



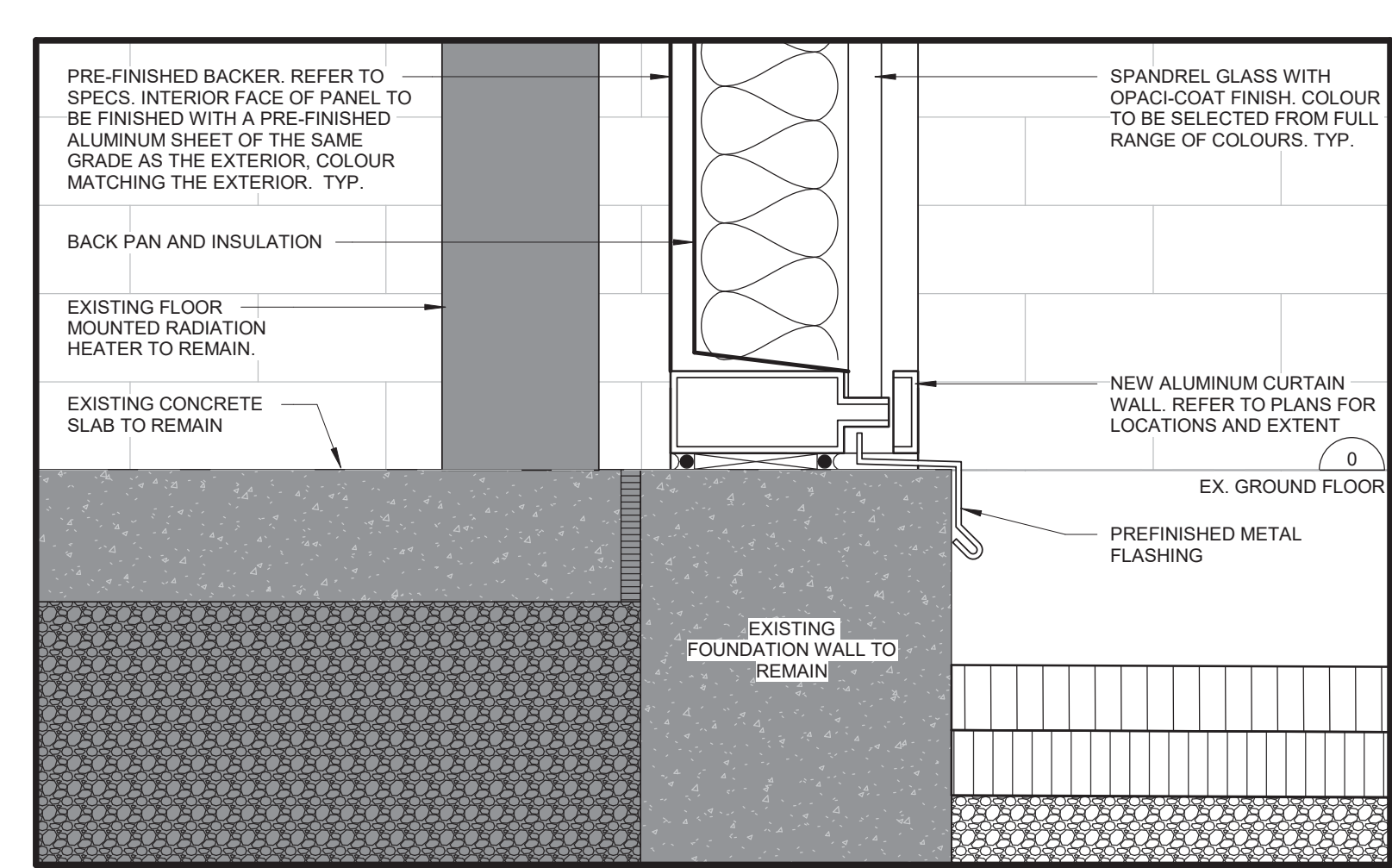
1 WALL SECTION @ CLASSROOM 12 AND SUPPLY ROOM 214
A09 SCALE: 1:20



6 SECTION DETAIL @ FOUNDATION AND NEW METAL SIDING
A09 SCALE: 1:10



7 SECTION DETAIL @ THRU WALL FLASHING
A09 SCALE: 1:10



8 SECTION DETAIL OF NEW CURTAIN WALL @ EXISTING FOUNDATION
A09 SCALE: 1:5

REFER TO SPECIFICATION FOR PHASING OF DEMOLITION AND CONSTRUCTION.

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DATE
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ONTRIO ASSOCIATION
ARCHITECTS
PRISILLA LADOUCEUR
LICENCE 8558
Certificate of Practice # 4292

CENTRAL PUBLIC SCHOOL - ACCESSIBILITY, HVAC & WINDOW UPGRADES
175 Main St, Cambridge ON N1R 1W5

Waterloo Region District School Board

WALL SECTIONS AND DETAILS

HOSSACK & ASSOCIATES ARCHITECTS
4-210 DUNDAS DRIVE MISSISSAUGA, ONTARIO L4W 3L6
TEL: (905) 807-0284 FAX: (905) 807-0280

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GENERAL

- GENERAL CONTRACTOR TO SITE VERIFY ALL CONDITIONS AND OR DIMENSIONS SHOWN OR IMPLIED ON THE STRUCTURAL DRAWINGS.
- GENERAL CONTRACTOR TO CO-ORDINATE ALL STRUCTURAL DOCUMENTS AND WORK WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE SERVICES DOCUMENTS AND WORK.
- REPORT ANY DISCREPANCIES AND OR CONFLICTS IN DIMENSIONS OR DETAILS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO COMMENCING THE WORK IN QUESTION.
- PROVIDE ALL TEMPORARY NEEDLING, SHORING AND BRACING AS REQUIRED TO SAFELY COMPLETE THE WORK SHOWN ON THE STRUCTURAL DRAWINGS. SUBMIT, UPON REQUEST OF THE STRUCTURAL ENGINEER, DRAWINGS DETAILING THE TEMPORARY WORKS, SEALED, SIGNED AND DATED BY A LICENSED PROFESSIONAL ENGINEER.
- PROVIDE ALL FALSE WORK AND RESHORING REQUIRED TO CONSTRUCT CONCRETE WALLS, COLUMNS AND BEAMS SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL OPENINGS IN MASONRY WALLS REQUIRE A LINTEL. COORDINATE LOCATIONS AND CLEAR MASONRY OPENING WIDTHS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SELECT THE APPROPRIATE LINTEL FROM THE REINFORCED MASONRY LINTELS 'S' AS SHOWN IN THE SCHEDULE ON DRAWING S1.01, USING WALL CONSTRUCTION AND MAXIMUM CLEAR OPENING WIDTH AS THE CRITERIA.
- FLOOR DECK AND FRAMING TO CONFORM TO ULC DESIGN NUMBER FB17 OR CUL D798, OR D799.

CONCRETE AND CONCRETE REINFORCING

- ALL CONCRETE WORK INCLUDING MATERIALS, MIXING, PLACING, FINISHING, CURING, COLD WEATHER PROTECTION, HOT WEATHER PROTECTION, FORMWORK AND RESHORING IN ACCORDANCE WITH A23.1 AND A23.3 CURRENT UNLESS NOTED OTHERWISE HERE.
- ALL CONCRETE REINFORCING INCLUDING MATERIALS, FABRICATION, DETAILING, LAP SPLICES, PLACEMENT, FIXING AND COVER IN ACCORDANCE WITH A23.1 AND A23.3 CURRENT UNLESS NOTED OTHERWISE HERE.
- WELDED WIRE MESH TO BE LAPPED ONE (1) FULL MESH PLUS 30mm. PROVIDE CONCRETE BRICK BOLTS/STAYS FOR WELDED WIRE MESH AT 1000mm ON CENTRE EACH WAY.
- CURE ALL SLABS ON GRADE WITH A PRE-APPROVED CURING COMPOUND COMPATIBLE WITH THE PROPOSED FLOORING ADHESIVE. MAINTAIN AIR TEMPERATURE AT OR ABOVE 100C FOR SEVEN (7) DAYS.
- ALL SLABS TO BE LEFT EXPOSED IN THE COMPLETED BUILDING AREA TO RECEIVE TWO COATS OF A PRE-APPROVED CONCRETE SEALER IMMEDIATELY PRIOR TO TURNING THE BUILDING OVER TO THE OWNER.
- CONCRETE PROPERTIES:

LOCATION	SPEC. 28 DAY IMPRESSIVE STRENGTH	SLUMP	AIR CONTENT	EXPOSURE CLASS
MUD SLABS & LEAN FILL	10MPa	125 MAX.		
SLABS-ON-GRADE (INTERIOR)	25MPa w/c -45	100 MAX.		
SLABS-ON-GRADE (EXTERIOR)	35MPa (56 DAYS)	100 MAX. (w/c -0.40)	5-8%	C-1

- REINFORCING STEEL TO BE GRADE 400, WITH A MINIMUM SPECIFIED YIELD STRENGTH OF 400 MPA.
- SUBMIT REINFORCING STEEL SHOP DRAWING TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

STRUCTURAL STEEL

- SUBMIT FOR CONSULTANT'S REVIEW ERECTION DIAGRAMS AND FABRICATION DETAILS IN ACCORDANCE WITH THE GENERAL NOTES.
- CONSULTANT'S REVIEW OF SHOP DRAWING DOES NOT RELEASE THE CONTRACTOR OF HIS RESPONSIBILITY FOR THE COMPLETENESS OF THE WORK NOR CO-ORDINATION WITH OTHER TRADES.
- FABRICATION AND ERECTION OF STEEL SHALL BE IN ACCORDANCE WITH CSA S16 (CURRENT).

SHAPE	STANDARD	GRADE	MIN. YIELD STRENGTH
CANADIAN WWF & W	CSA G40.21	350W	50ksi
HOLLOW STRUCTURAL SECTION CLASS 'C'	CSA G40.21	350W	50ksi
PLATES, CHANNELS, ANGLES	CSA G40.21	350W	50ksi
WWF & W NOT ROLLED IN CANADA	ASTM A572	50	50ksi

- STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING TABLE UNLESS NOTED OTHERWISE.

- ALL WELDING SHALL BE DONE BY AN ORGANIZATION FULLY APPROVED BY THE CANADIAN WELDING BUREAU UNDER CSA-W47.1 (CURRENT) DIVISION 1 OR 2 AT THE TIME OF TENDERING. WELDERS TO BE CWB CERTIFIED TO THE COMPANIES STANDARDS. WELDING AND WELDING MATERIALS SHALL CONFORM TO CSA-W59-(CURRENT).

- THE FABRICATOR SHALL NOTE THE SIZE AND TYPE OF BOLTS AND WELDS USED IN STRUCTURAL CONNECTIONS ON THE SHOP DRAWINGS.

- ALL STRUCTURAL STEEL SHALL BE SUFFICIENTLY STRAIGHT THAT VARIATIONS CANNOT BE DETERMINED WITH THE UNAIDED EYE. ALL STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED OF ALL LOOSE MILL SCALE, DIRT, OIL OR OTHER FOREIGN MATTER BEFORE SHOP PAINTING. SHOP PAINT SHALL CONFORM TO CAN/CSG 1.40-M89 OR CISC/CPMA STANDARD 2-75.

- WHERE HOT DIP GALVANIZING (HDG) IS SPECIFIED IT SHALL BE IN ACCORDANCE WITH CAN/CSA-G164-M92 (MINIMUM ZINC COATING 600 GSM).
- STEEL LINTELS SHALL HAVE A MINIMUM BEARING LENGTH OF 8".

REINFORCED MASONRY NOTES

- VERTICAL MASONRY REINFORCING STEEL TO BE FY = 400 MPA.
- LAP ALL VERTICAL REINFORCING 600mm UNLESS NOTED OTHERWISE.
- MASONRY UNITS FOR LOAD BEARING WALLS:
 - UNLESS NOTED OTHERWISE IN WALL SCHEDULE OR ELSEWHERE IN THE STRUCTURAL DOCUMENTS TO BE 15MPa.
- FOR LOAD BEARING WALLS MORTAR TYPE 'S'
- GROUT TO BE 25MPa WITH 10MM MAX AGGREGATE SIZE AND 150mm x 25mm SLUMP. GROUTING TO CONFORM TO REQUIREMENTS OF CSA STANDARD CAN3-A371-84. ALL GROUTING TO BE "LOW-LIFT". MAXIMUM LIFT 1000mm.
- UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS VERTICAL REINFORCING TO BE LOCATED IN CENTRE OF BLOCK.
- IN ADDITION TO THE VERTICAL REINFORCING SPECIFIED ON DRAWINGS PROVIDE A MINIMUM OF 2-15M EACH SIDE OF:
 - ALL DOOR OPENINGS
 - ALL WINDOW OPENINGS
 - AT ENDS OF ALL WALLS
 - EACH SIDE OF EVERY MASONRY WALL CONTROL JOINT
- ALL MASONRY WALLS ARE TO HAVE LADDER TYPE CONTINUOUS HORIZONTAL WALL REINFORCING AT 400 ON CENTRE. MINIMUM WIRE DIAMETER TO BE 4.76mm. PROVIDE PREFABRICATED CORNER AND TEE HORIZONTAL REINFORCING ALL CORNERS.
- MASONRY TO BE CONSTRUCTED IN FULL RUNNING BOND. TOOTHED CONSTRUCTION JOINTS WILL NOT BE ACCEPTED.

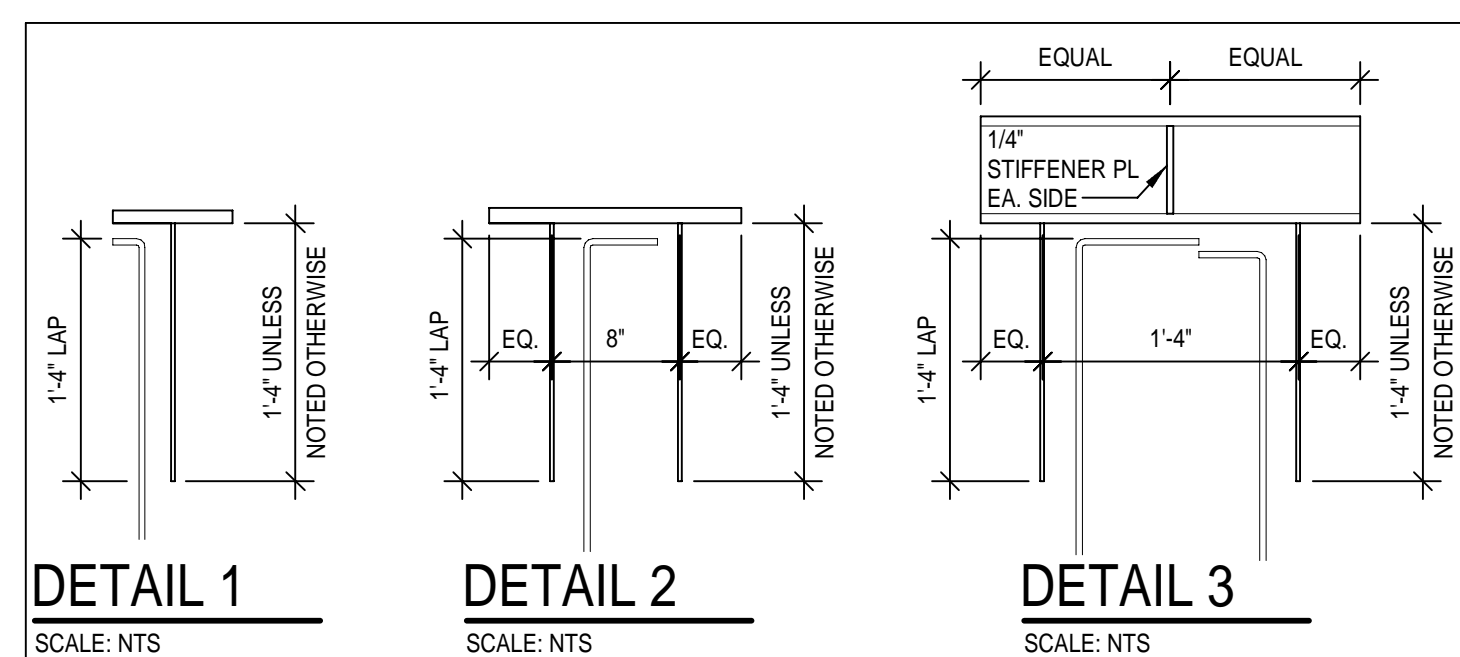
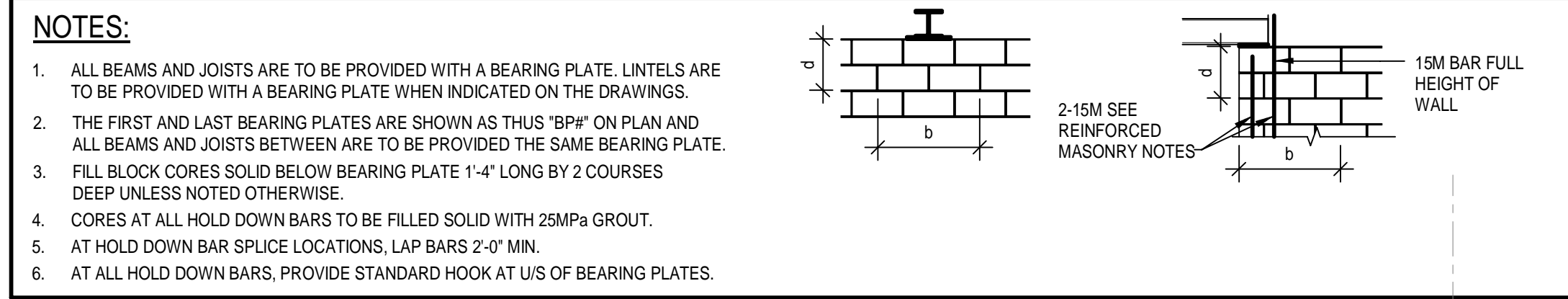
MINIMUM TESTING REQUIREMENTS FOR MASONRY

MASONRY UNITS, MORTAR AND GROUT SHALL BE TESTED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND REQUIREMENTS OF CSA S304-1.04, BUT NOT LESS THAN THE FOLLOWING:

- UNITS:**
ONE SET OF FIVE MASONRY UNITS DELIVERED TO SITE FOR EACH 250sqm OF WALL OF EACH TYPE OF MASONRY UNIT. IN ACCORDANCE WITH CSA S304. TESTED AND REPORTED PRIOR TO UNITS BEING USED ON SITE. PROVIDED CURRENT DATA IS AVAILABLE FROM THE MANUFACTURER. TESTING OF 15 MPa UNITS IS WAIVED. CURRENT IN THIS CURRENT DATA MEANS COMPRESSIVE STRENGTH TESTS FOR UNITS IN ACCORDANCE WITH THE REQUIREMENTS OF CSA S304-1.04, PERFORMED WITHIN THE THREE MONTHS PRECEDING THE START OF MASONRY FOR THIS PROJECT.
- MORTAR:**
ONE SET OF MORTAR CUBES PER 500 SQUARE METERS OF CONSTRUCTION, OR PART THERE OF IN ACCORDANCE WITH THE TEST PROCEDURES AS PUT FORTH IN THE APPROPRIATE CSA STANDARDS.
- GROUT:**
ONE SET OF CUBES AND ONE SLUMP TEST TAKEN AT THE SAME TIME AND FREQUENCY AS MORTAR TESTS DESCRIBED ABOVE.

GENERAL PURPOSE LINTELS			LINTELS FOR IDENTIFIED OPENINGS			
STEEL LINTELS			REINFORCED MASONRY LINTELS			
MAXIMUM CLEAR SPAN	MATERIAL	MASONRY TYPE	MARK	MATERIAL	ARRANGEMENT	REMARKS
1400mm	L-89 x 89 x 6.4	90 BRICK OR 90 BLOCK PER WYTHE	L1	W200x46-PL 270x6		PROVIDE BP3 AT EACH END
1800mm	L-127 x 89 x 6.4 LLV		L2	W200x27-PL 170x6+15mm/DIA. RODSx400LG. AT 600c.c. +L127x89x7.9LLV HDG		PROVIDE BP2 AT EACH END
2200mm	L-127 x 89 x 7.9 LLV		L3	W200x19-PL 170x6+15mm/DIA. RODSx400LG. AT 600c.c.		PROVIDE BP2 AT EACH END
2800mm	L-152 x 102 x 9.5 LLV		L4	2-L127x89x6.4LLV + L127x89x7.9LLV HDG		
2000mm	2-L-89 x 84 x 6.4 LLV	140 BLOCK				
1800mm	2-L-89 x 89 x 6.4	190 BLOCK				
2400mm	2-L-127 x 89 x 6.4 LLV					
4200mm	S200x27 + PL 170x6					
1400mm	L-102 x 102 x 6.4 + L-127 x 102 x 6.4	240 BLOCK				
3000mm	S150x19 + PL 220x6					
1200mm	S100x11 + PL 270x6					
1900mm	S150x19 + PL 270x6	290 BLOCK				
3500mm	S200x27 + PL 270x6					

MARK	SIZE	ANCHOR SIZE	HOLD DOWN BAR	REMARKS	MINIMUM GROUTING bxd
BP1	190x190x16	1-15mm DIA. x300LG.	PROVIDE 1-15M FULL HEIGHT WHEN USED AT ROOF		600x400
BP2	190x190x16	1-15mm DIA. x300LG.	PROVIDE 1-15M FULL HEIGHT WHEN USED AT ROOF		FULL HEIGHT BELOW BASE PLATE
BP3	250x190x16	1-15mm DIA. x300LG.			FULL HEIGHT BELOW BASE PLATE



MARK	WORKING LOAD CAPACITY	NUMBER OF ANCHORS	PLATE SIZE	DETAIL
WPL1	150 kN	4	300x16x300	

NOTES:

- ALL WEDGE ANCHORS FOR WALL PLATES ARE TO BE 16mmØ x 130mm LONG BEFORE WELDING.
- ECCENTRICITY OF BEAM REACTION TO FACE OF PLATE TO BE LESS THAN OR EQUAL TO 65mm.



PART ROOF LOADING PLAN

Scale: 1:100

NEW ROOF LOADING

D.L. BALLAST	- 0.60
ROOF MEMBRANE	- 0.10
INSULATION	- 0.10
GYP-SUM BOARD	- 0.15
DECK	- 0.10
FRAMING	- 0.15
MECH/ELEC.	- 0.20
CEILING	- 0.15
TOTAL	1.55kPa
SL	1.93kPa+DRIFT

LOADS

BUILDING IMPORTANCE CATEGORY - NORMAL

- DEAD LOADS - SEE LOAD TABLES ON DRAWING S1.1
- LIVE LOADS - SEE LOAD TABLES ON DRAWING S1.1
- LIVE LOADS DUE TO SNOW, ICE AND RAIN
 - GROUND SNOW LOAD (S_s) 1.60 kPa PROBABILITY 1/50
 - GROUND RAIN LOAD (S_r) 0.30 kPa PROBABILITY 1/50
 - IMPORTANCE FACTOR (I) 1.15
- DRIFT LOAD - VARIES SEE PLAN SNOW DISTRIBUTION AND SNOW LOADING FACTORS APPLIED AS PER OBC AND NBC FIG. 4.1.6.5.A-B ARE THE ROOF DRAINS DESIGNED TO RETAIN WATER FOR STORM WATER MANAGEMENT? YES □ NO ■
- LIVE LOADS DUE TO WIND
 - HOURLY WIND PRESSURE FOR STRUCTURAL COMPONENTS 0.36 kPa PROBABILITY 1/50
 - HOURLY WIND PRESSURE FOR CLADDING COMPONENTS 0.36 kPa PROBABILITY 1/50
 - WIND LOAD APPLIED AS PER OBC AND NBC FIG. 4.1.7.6 - A, B, C
- FULL AND PARTIAL LOADINGS APPLIED AS PER OBC AND NBC
- LIVE LOAD FACTOR
 - IF LIMIT STATES DESIGN USED 1.5
- LIVE LOADS DUE TO EARTHQUAKES
 - S₁(0.2_s) 0.141 F_{0.2_s} 1.24
 - S₁(0.5_s) 0.084 F_{0.5_s} 1.47
 - S₁(1.0_s) 0.047 F_{1.0_s} 1.55
 - S₁(2.0_s) 0.024 F_{2.0_s} 1.57
 - S₁(5.0_s) 0.0058 F_{5.0_s} 1.58
 - S₁(10.0_s) 0.0024 F_{10.0_s} 1.49
 - P_{GA} 0.088 F_{P(GA)} 1.29
 - P_{GV} 0.066 F_{P(GV)} 1.47
- IMPORTANCE FACTOR, I = 1.3 R_d = 1.5 R_o = 1.5 M_w = 1.0 T_a = 0.212
- OTHER EFFECTS
 - APPLIED AS PER SUBSECTION 4.1.5.14 to 4.1.5.17 OF OBC.
- LIMIT STATES DESIGN
 - SAFETY CHECK FOR STRENGTH AND STABILITY AS PER OBC 4.1.3.2.
 - SERVICEABILITY AND FATIGUE AS PER OBC 4.1.3.3 to 4.1.3.6.

FOUNDATION SYSTEM

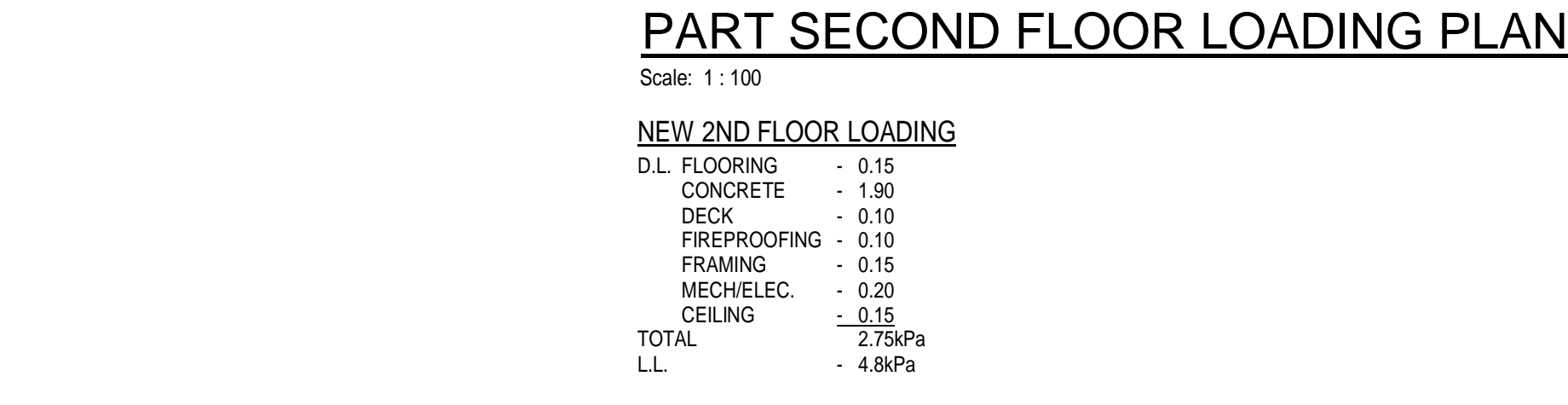
DESCRIPTION: CONVENTIONAL SPREAD AND CONTINUOUS FOOTINGS ON VERY DENSE SAND AND GRAVEL.

SERVICABILITY SOIL BEARING PRESSURE (SLS): 250 kPa
 ULTIMATE SOIL BEARING PRESSURE (ULS): 375 kPa

RETAINING STRUCTURES: P_{sk}(1.2+1.4)

GEOTECHNICAL INVESTIGATION BY: JLP SERVICES INC. REPORT NUMBER G4500-21-12 DATED: JANUARY 2022

FOUNDATION WALLS AND CANTILEVER RETAINING WALLS DESIGNED FOR LATERAL LOADS FROM ADJACENT SOIL, GROUNDWATER, SOIL SEISMIC LOADING WITH GROUND SURCHARGE LOADING OF 4.8kPa OR THE INTENDED USE OF THE ADJACENT AREA, WHICHEVER COMBINATION PRODUCES THE GREATER EFFECT.



PART SECOND FLOOR LOADING PLAN

Scale: 1:100

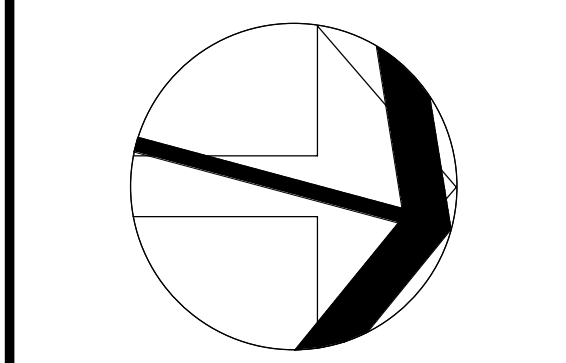
NEW 2ND FLOOR LOADING

D.L. FLOORING	- 0.15
CONCRETE	- 1.90
DECK	- 0.10
FIREPROOFING	- 0.10
FRAMING	- 0.15
MECH/ELEC.	- 0.20
CEILING	- 0.15
TOTAL	2.75kPa
LL	4.8kPa

TABLE 1 - CLASS 'B' LAP LENGTHS							
BAR TYPE	BAR LOCATION	BAR SIZE	f _c =20MPa	f _c =25MPa	f _c =30MPa	f _c =35MPa	f _c =40MPa
BLACK BAR	TOP HORIZONTAL BARS	10M	620mm	550mm	500mm	470mm	440mm
		15M	870mm	780mm	710mm	660mm	620mm
		20M	1070mm	960mm	870mm	810mm	760mm
	OTHER THAN TOP HORIZONTAL BARS	25M	1720mm	1540mm	1400mm	1300mm	1220mm
		30M	2030mm	1820mm	1660mm	1540mm	1440mm
		35M	2430mm	2180mm	1990mm	1850mm	1720mm
EPOXY COATED BAR	TOP HORIZONTAL BARS	10M	480mm	430mm	390mm	360mm	340mm
		15M	670mm	600mm	550mm	510mm	480mm
		20M	820mm	740mm	670mm	620mm	580mm
	OTHER THAN TOP HORIZONTAL BARS	25M	1330mm	1200mm	1080mm	1000mm	940mm
		30M	1570mm	1400mm	1280mm	1180mm	1110mm
		35M	1870mm	1670mm	1530mm	1420mm	1320mm
EPOXY COATED BAR	TOP HORIZONTAL BARS	10M	850mm	750mm	700mm	650mm	600mm
		15M	1150mm	1050mm	950mm	900mm	850mm
		20M	1400mm	1260mm	1150mm	1100mm	1000mm
	OTHER THAN TOP HORIZONTAL BARS	25M	2250mm	2050mm	1850mm	1700mm	1600mm
		30M	2700mm	2400mm	2200mm	2050mm	1900mm
		35M	3200mm	2850mm	2600mm	2400mm	2250mm

NOTES:

- CLASS 'B' LAP LENGTH IN ACCORDANCE WITH CSA A23.3-94, 12.15.1 (LAP=1.3 x DEVELOPMENT LENGTH)
- TABLE VALID FOR:
 - NORMAL DENSITY CONCRETE
 - DEFORMED REINFORCEMENT, f_y=400 MPa
 - CLEAR COVER AT LEAST 1.0 d_b
 - BEAMS AND COLUMNS:
 - CLEAR SPACING BETWEEN BARS NOT LESS THAN 1.4 d_b
 - MEMBERS CONTAINING MINIMUM STIRRUP OR TIES WITHIN SPLICE LENGTH
 - SLABS AND WALLS:
 - CLEAR SPACING BETWEEN BARS NOT LESS THAN 2.0 d_b



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1	ISSUED FOR PERMIT/TENDER	22/12/20

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STRUCTURAL INFORMATION

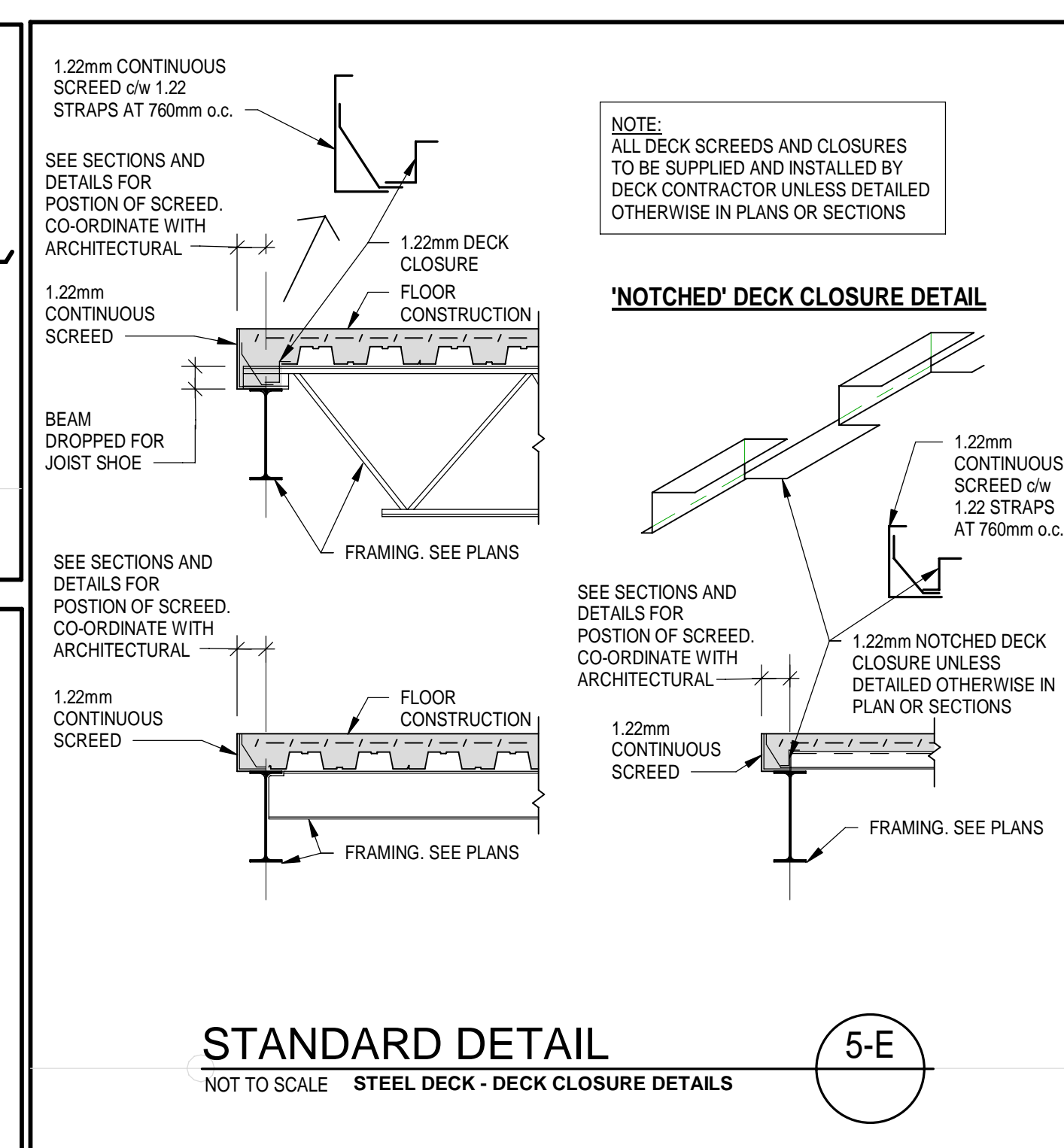
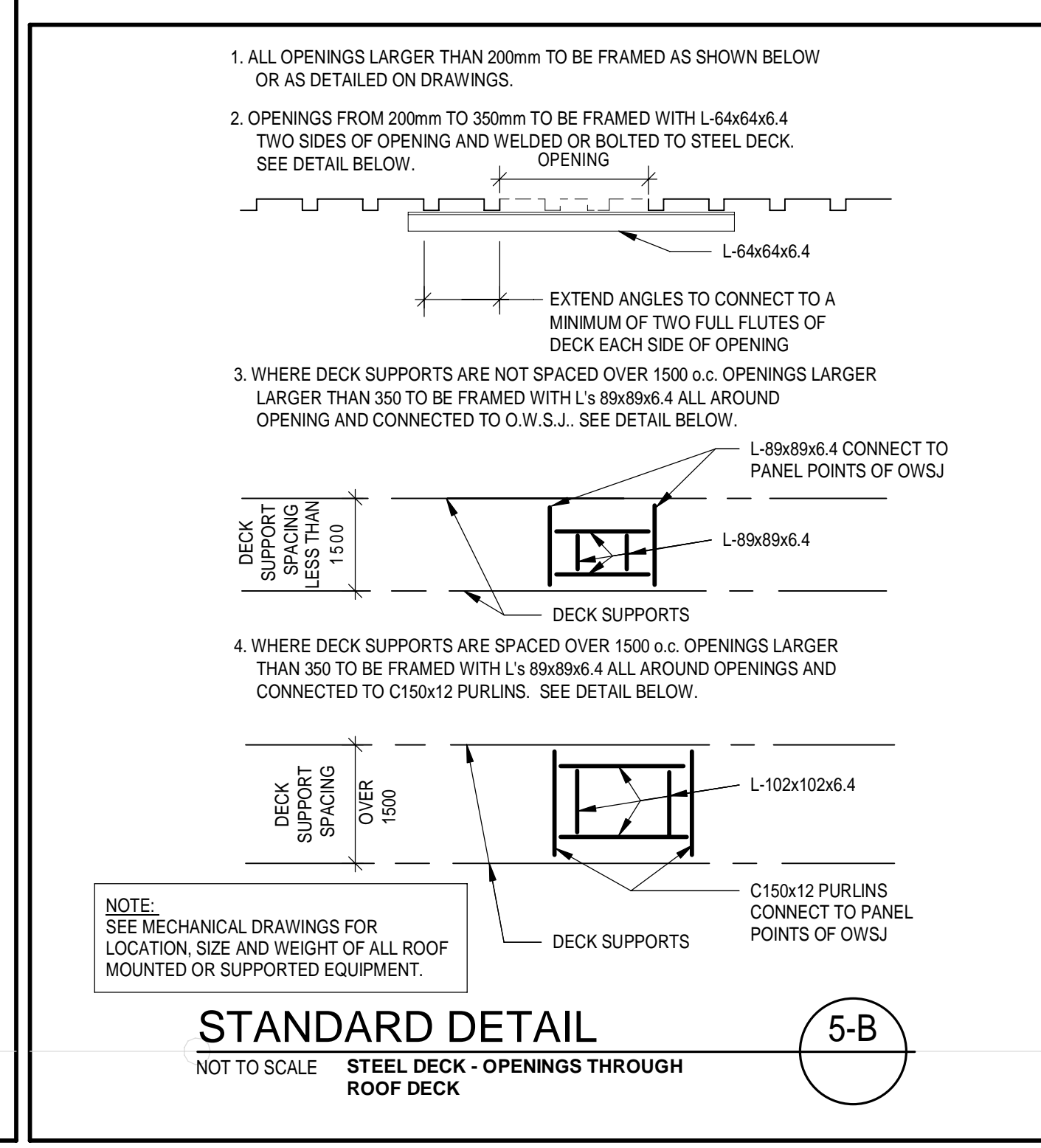
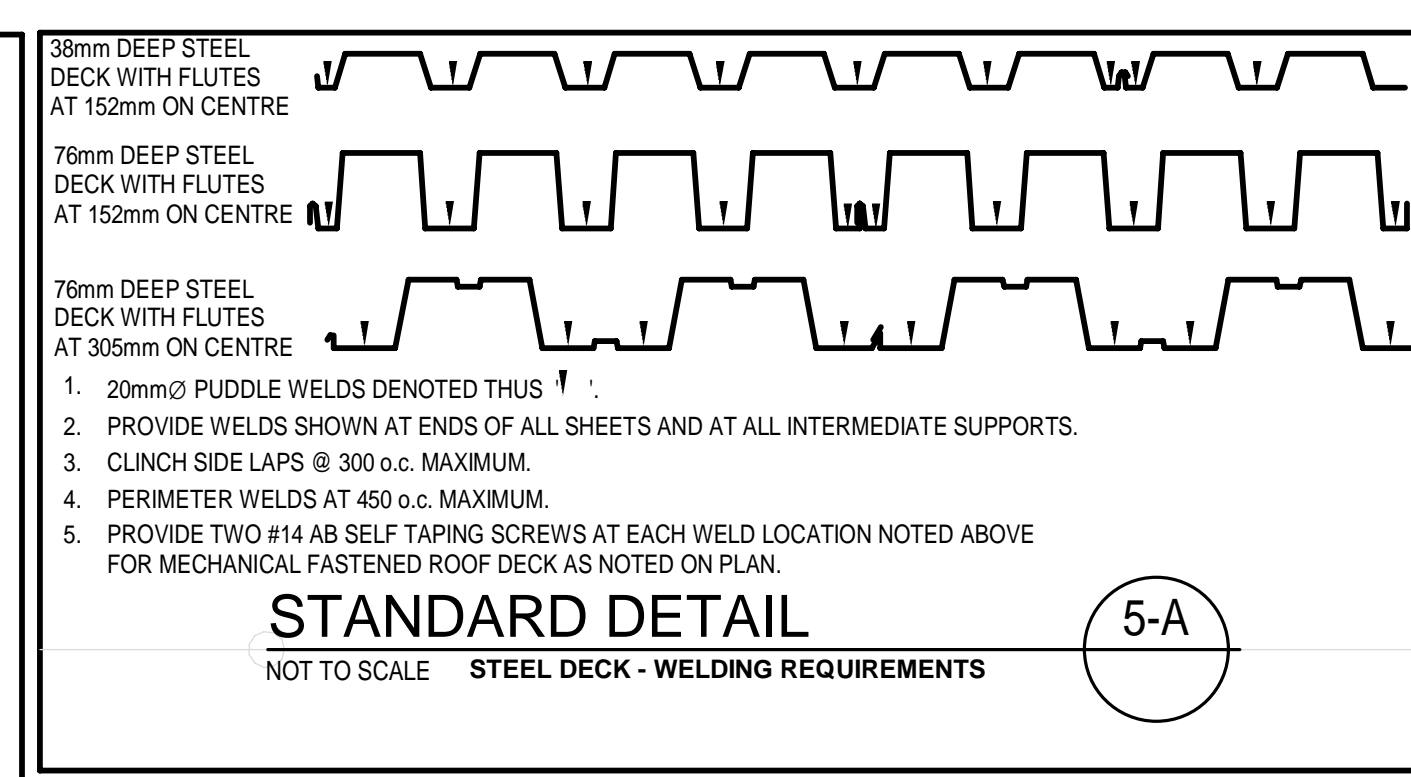
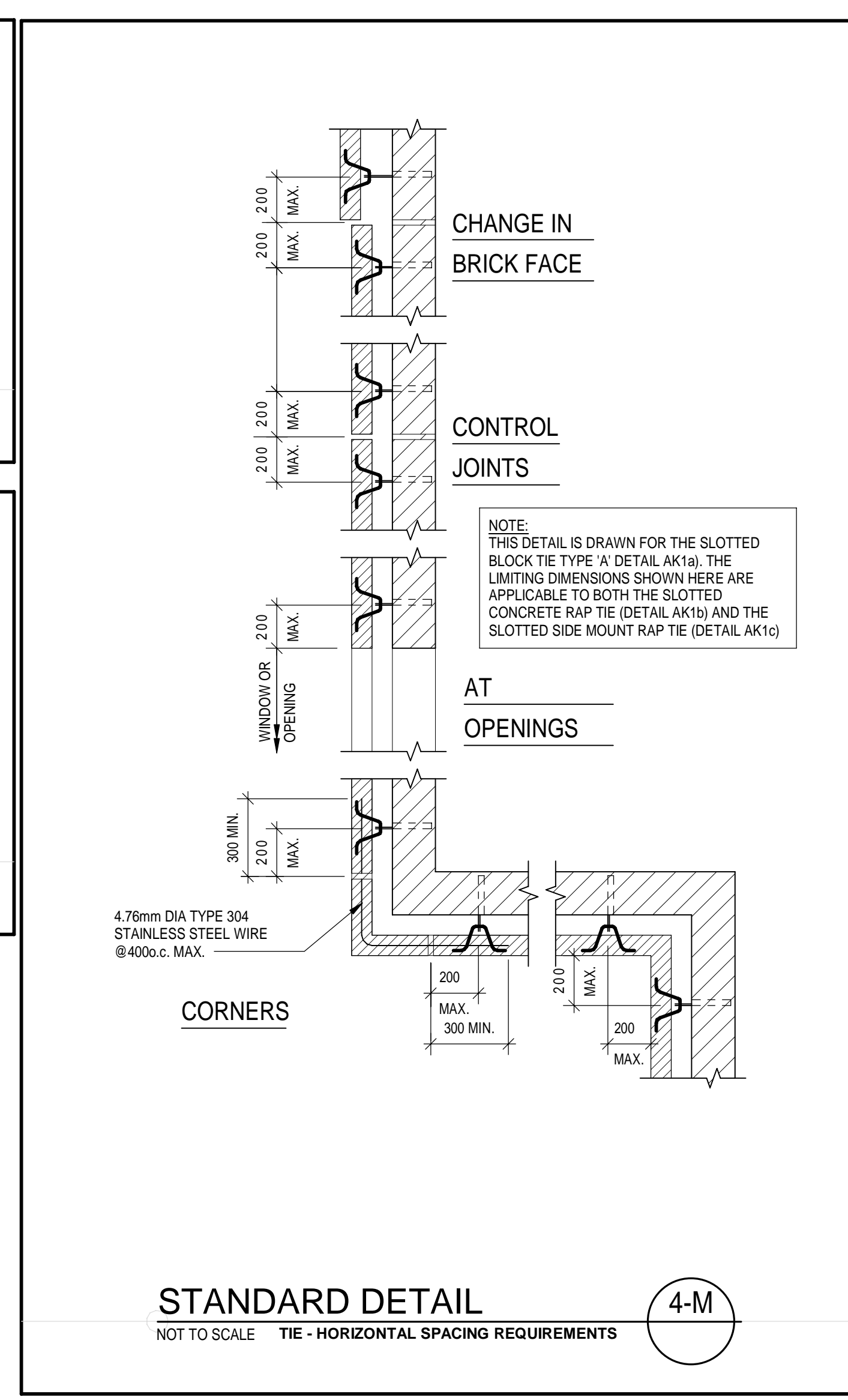
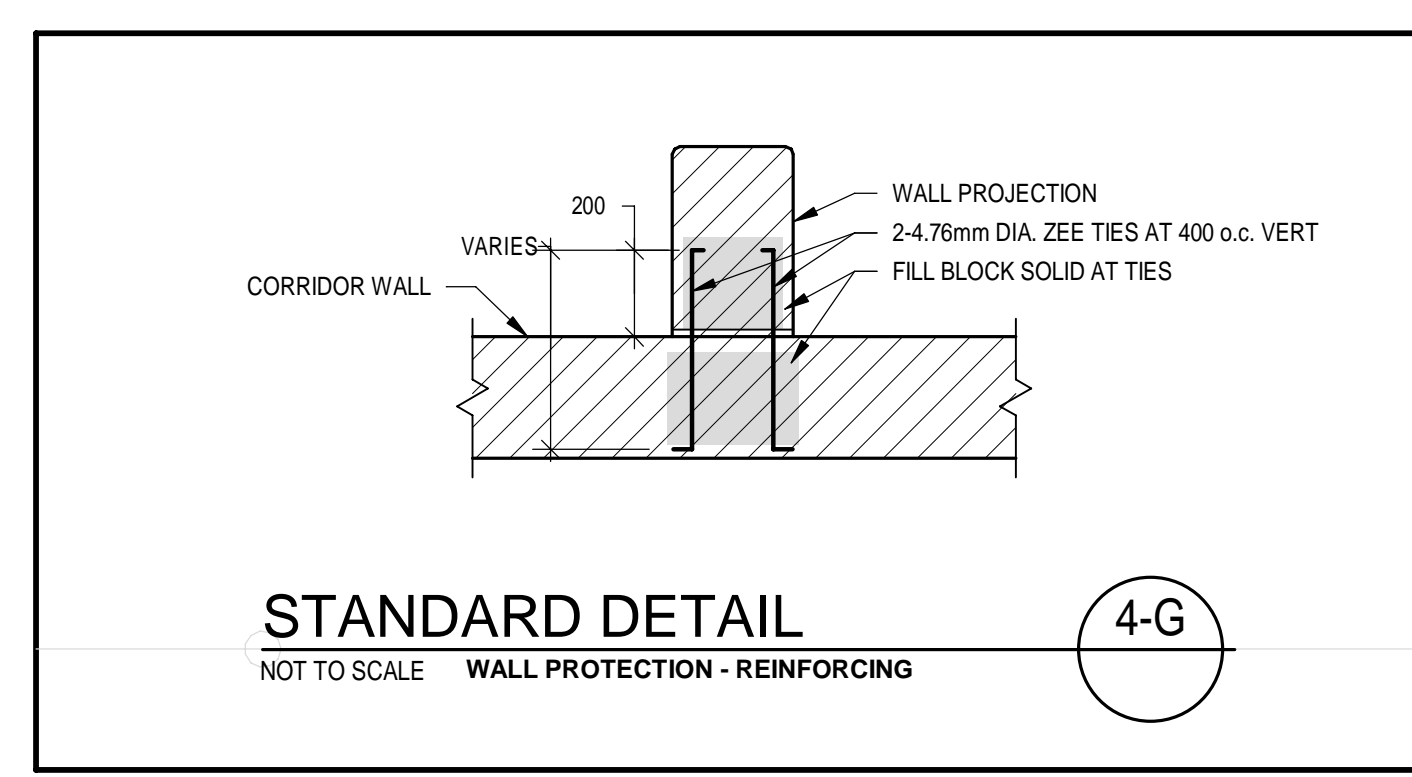
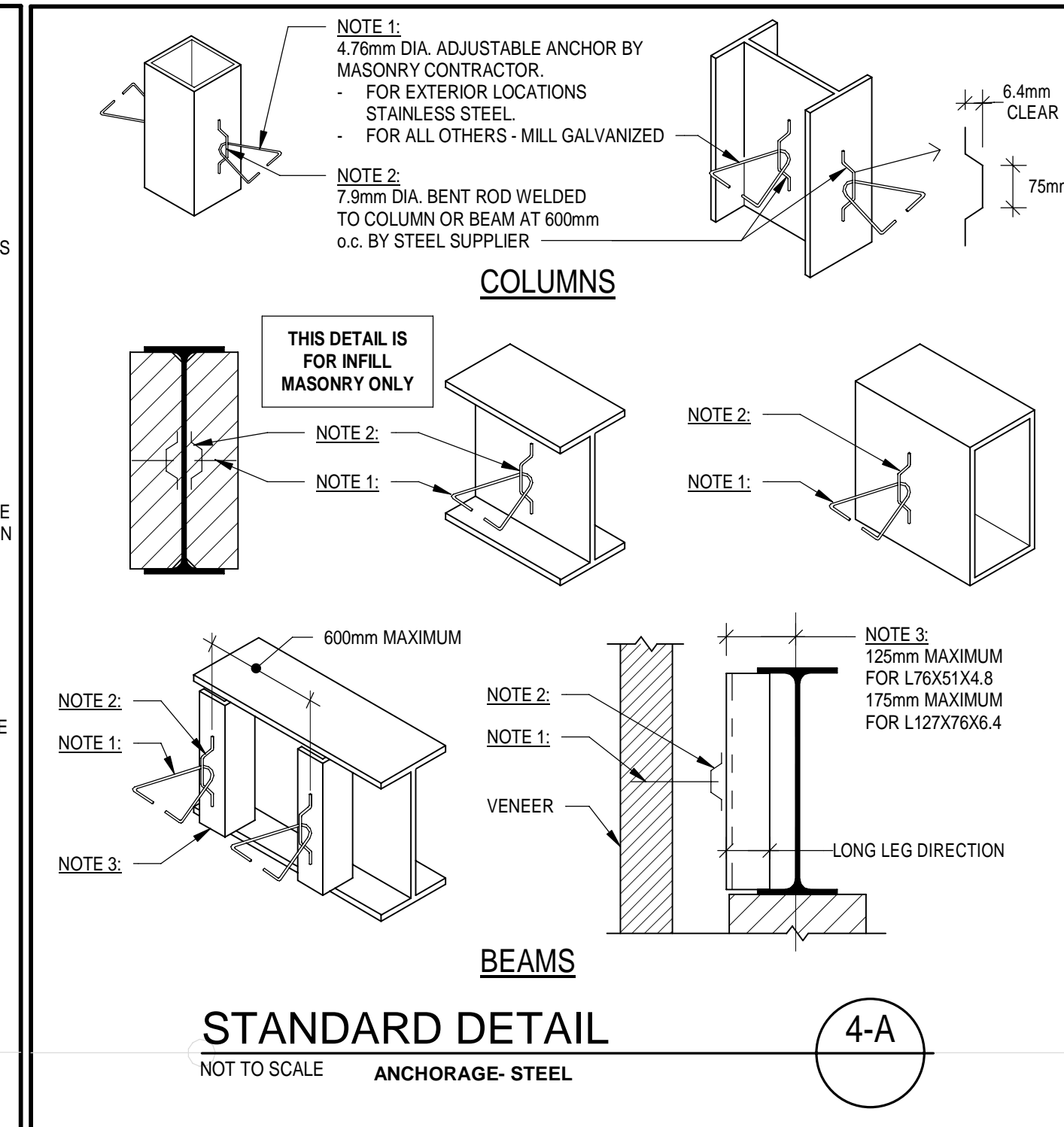
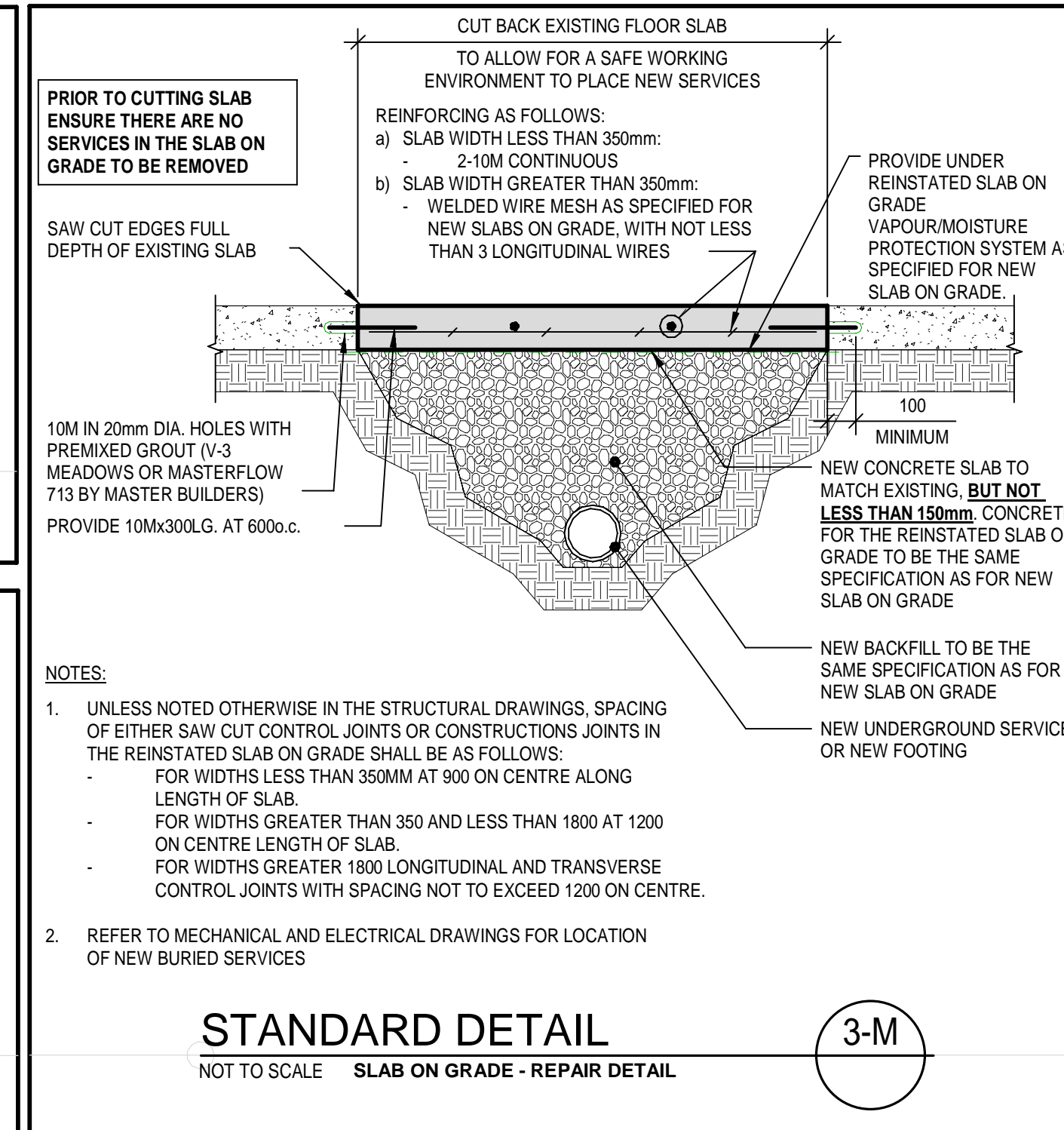
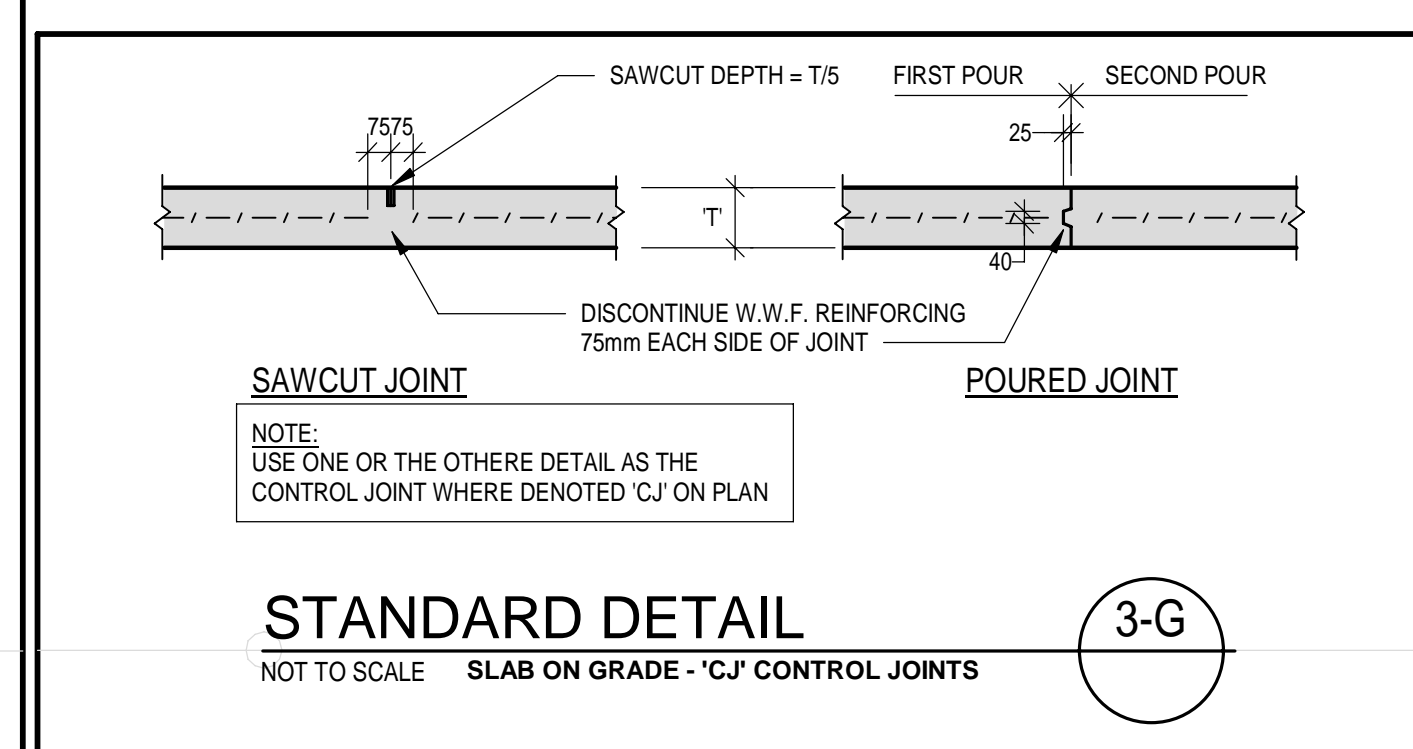
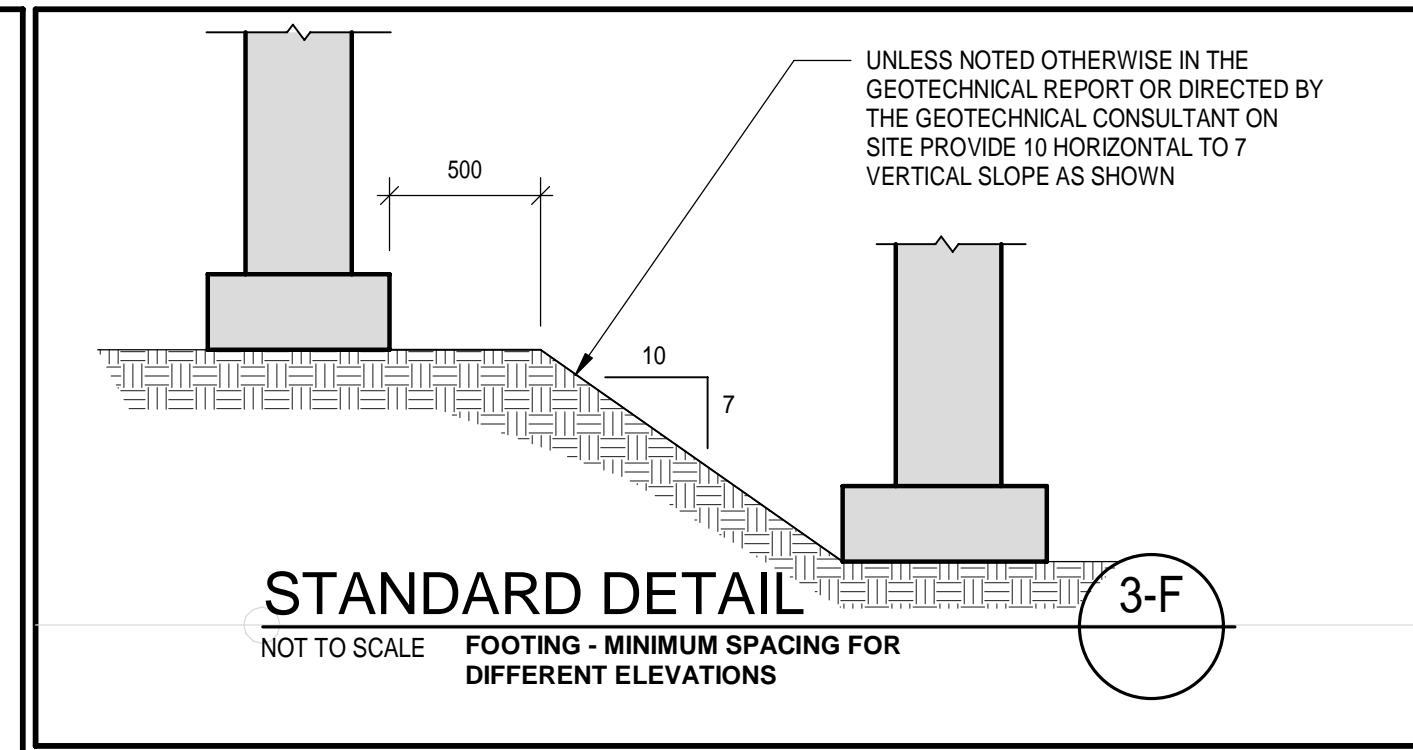
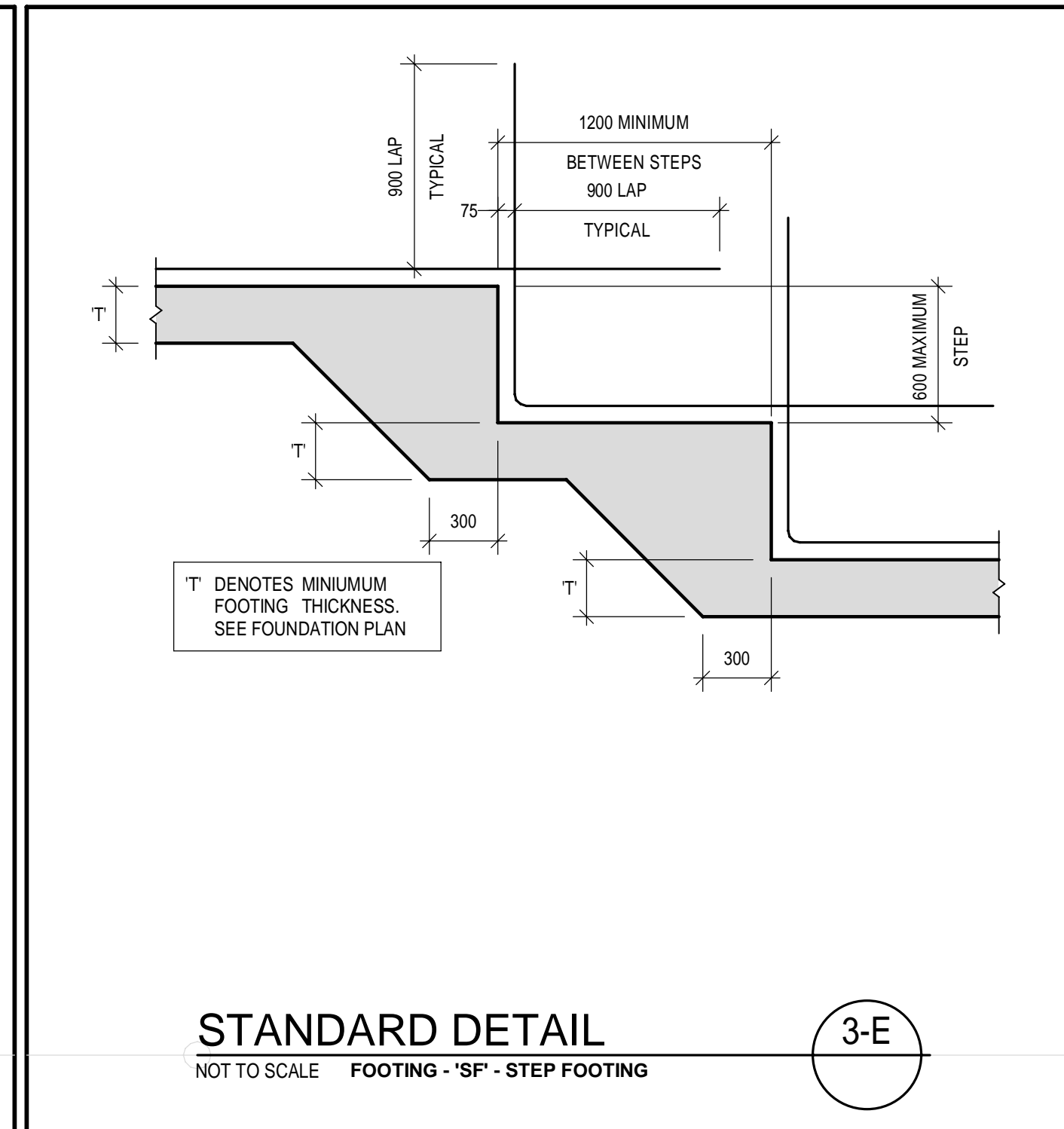
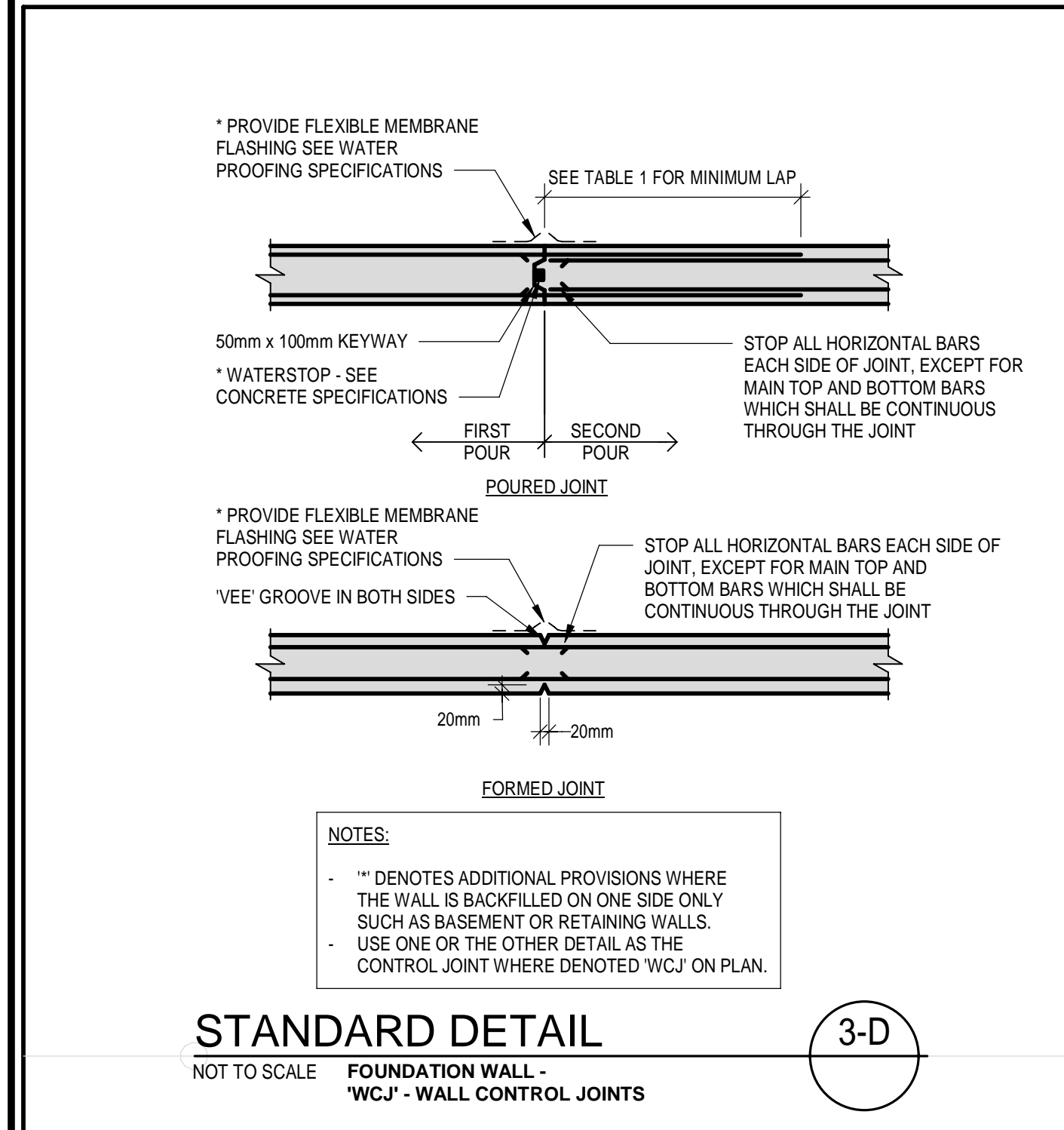
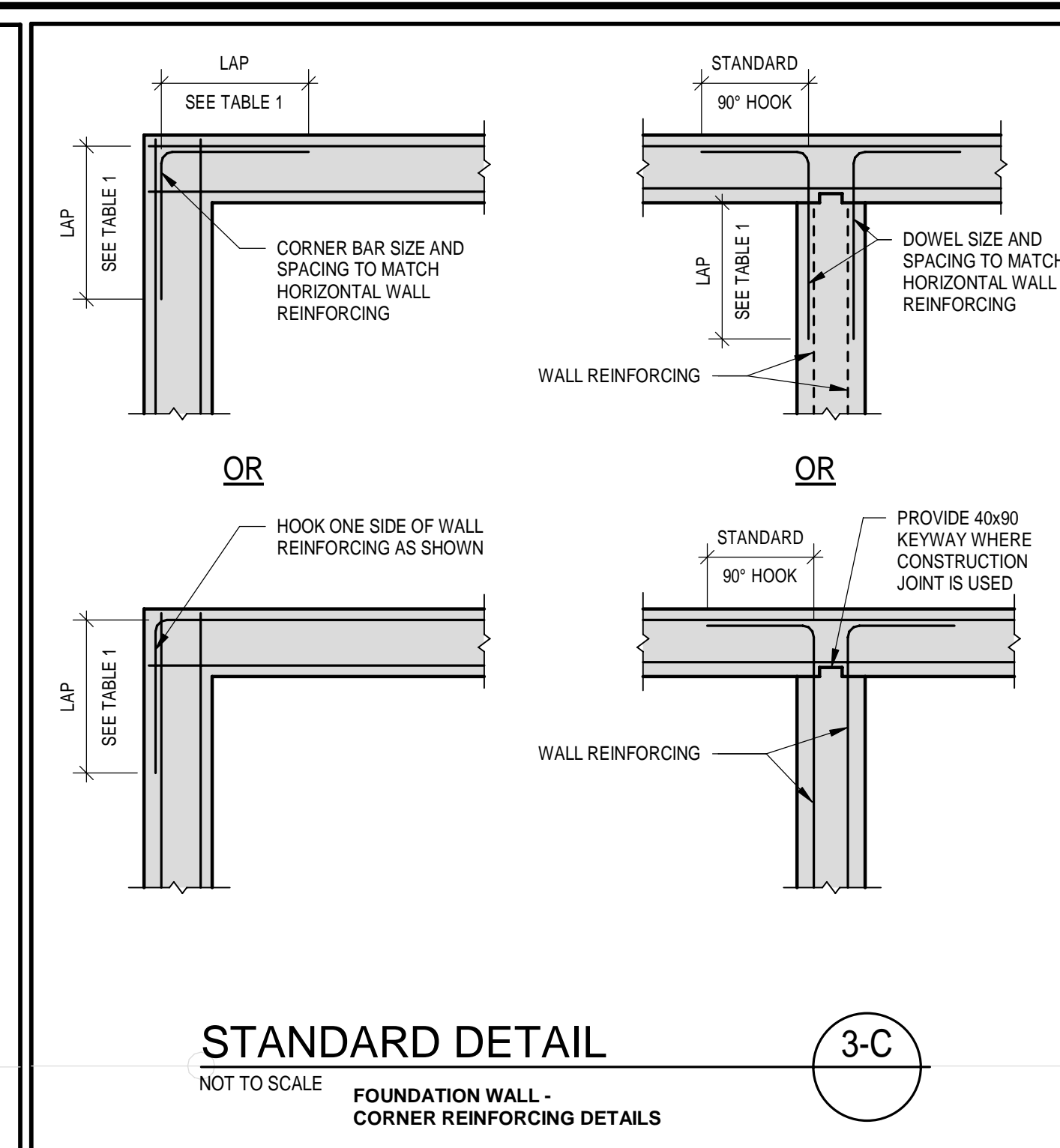
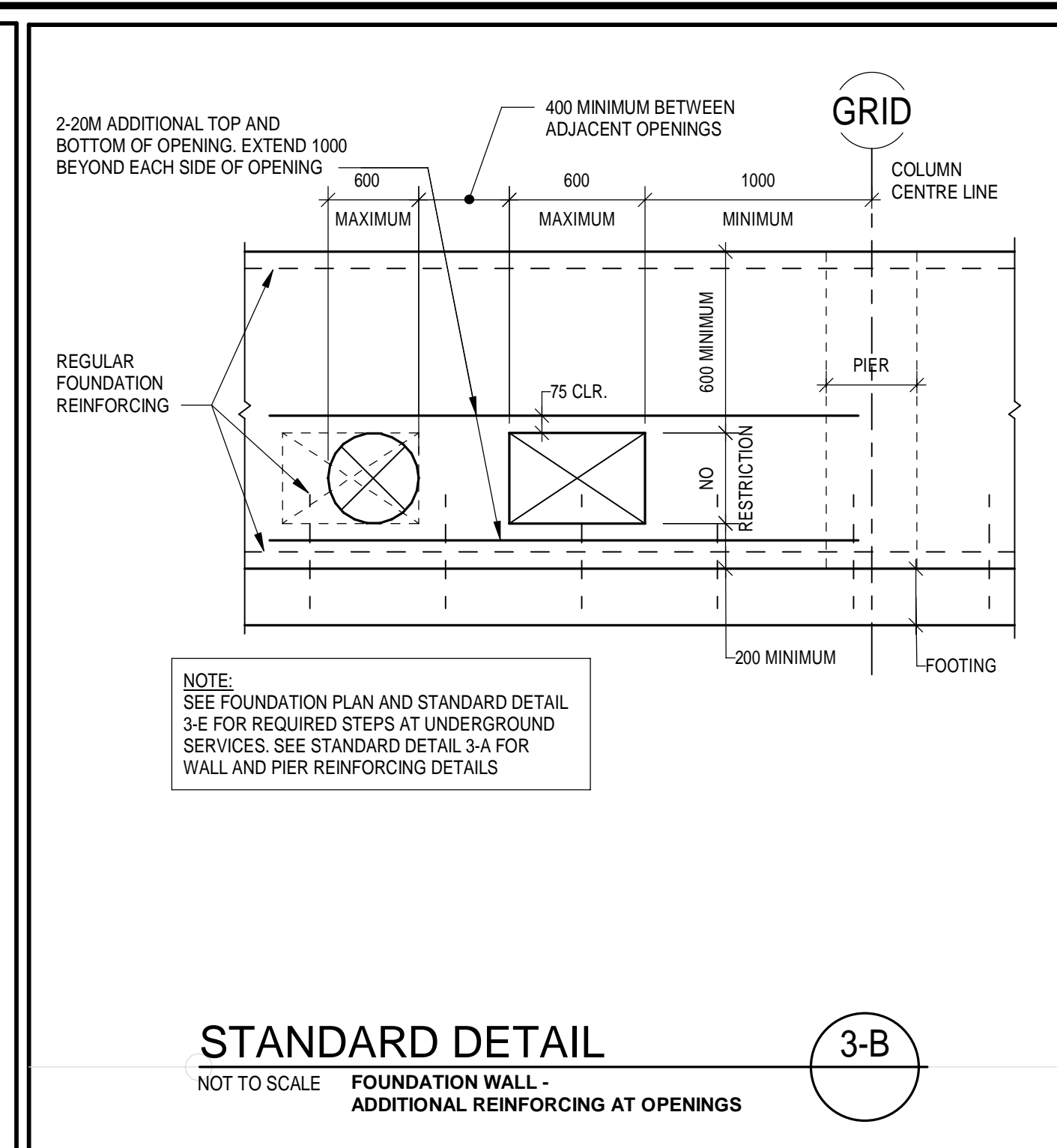
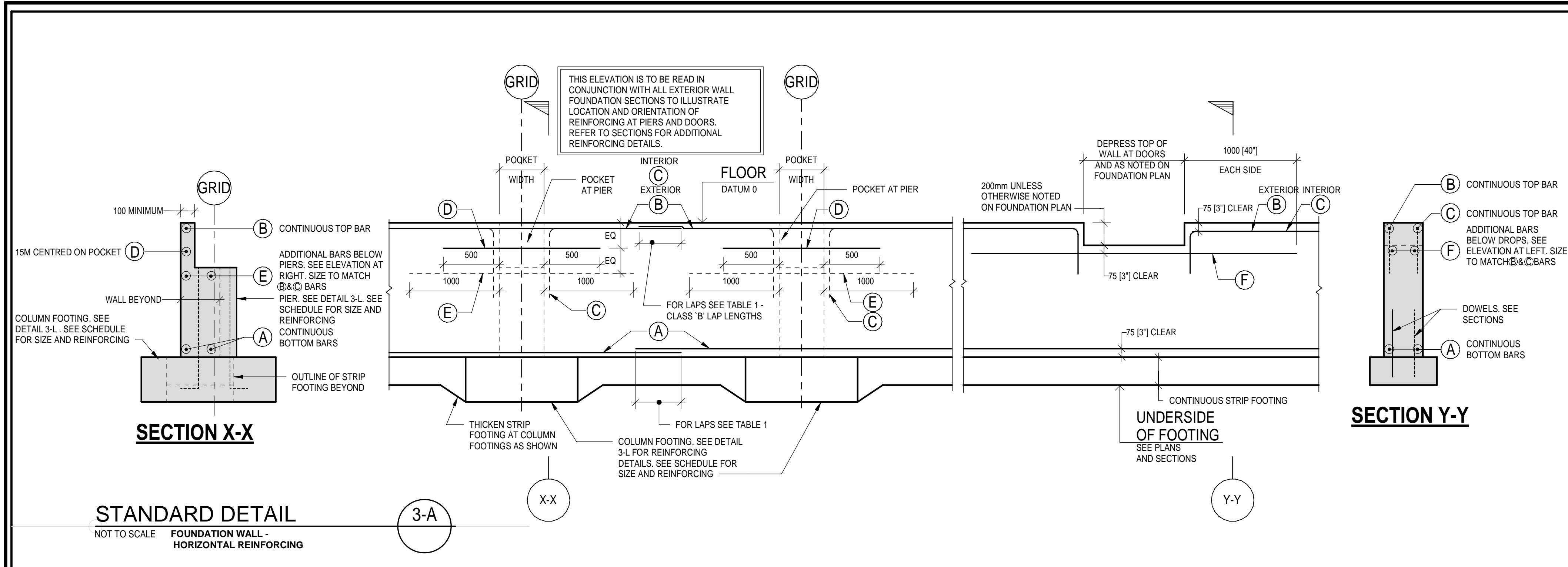


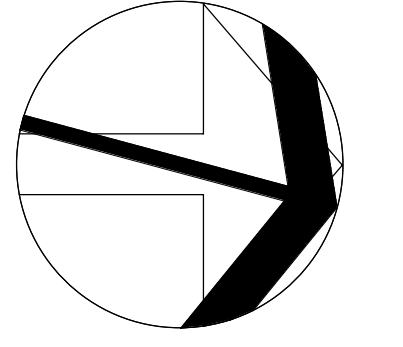
Engineers, Scientists, Surveyors

519-204-6510

DRAWING LIST	
Sheet Number	Sheet Name
S1.1	STRUCTURAL INFORMATION
S1.2	STANDARD DETAILS
S2.1	PART FOUNDATION AND SECOND FLOOR FRAMING PLAN
S2.2	PART MAIN ROOF FRAMING PLAN

SCALE	PROJECT
As Indicated	37878-200
DATE	CHECKER
OCTOBER 2020	S1.1
DRAWN	DRAWING
Author	
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Checker	
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Waterloo Region District School Board

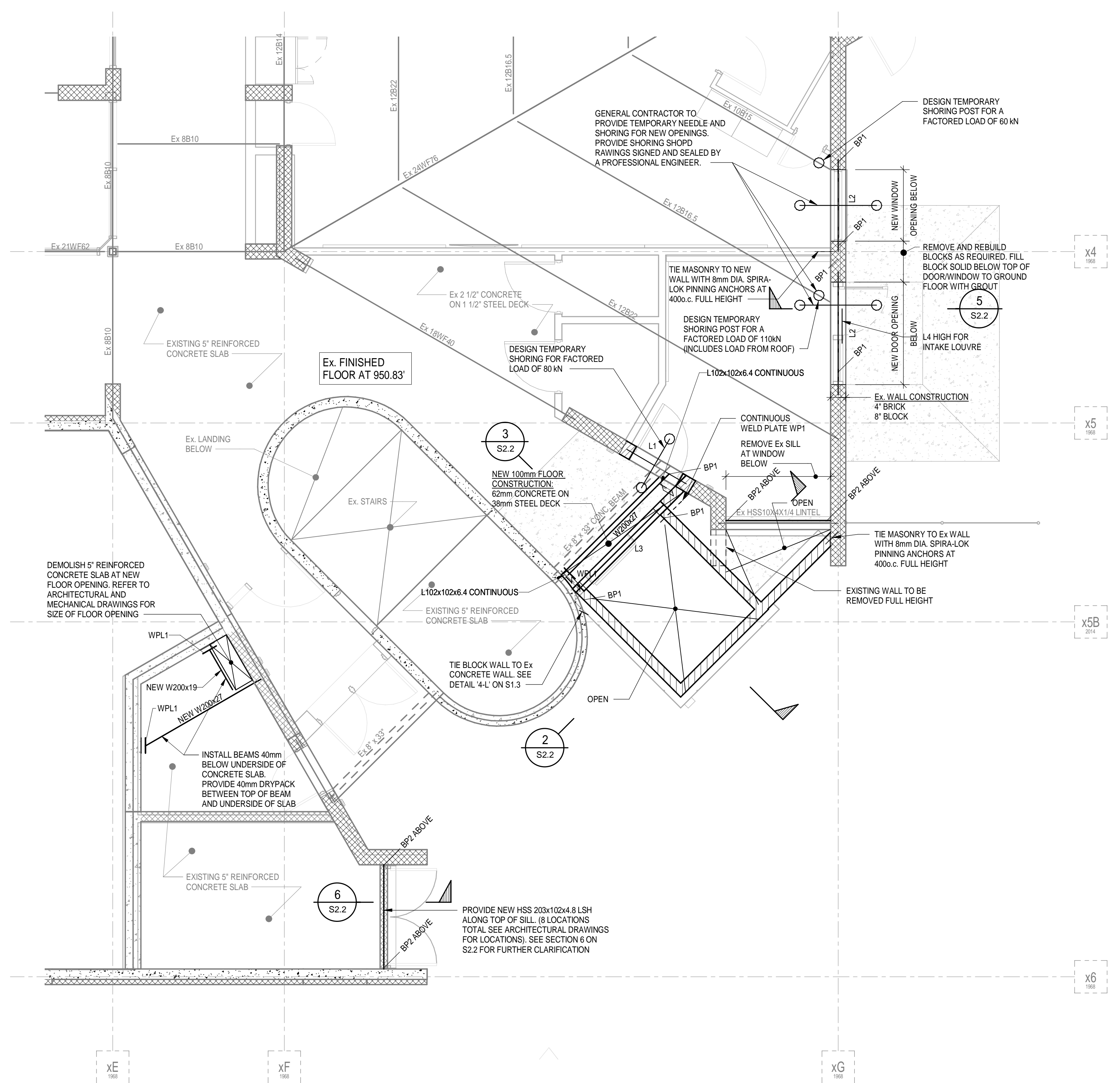
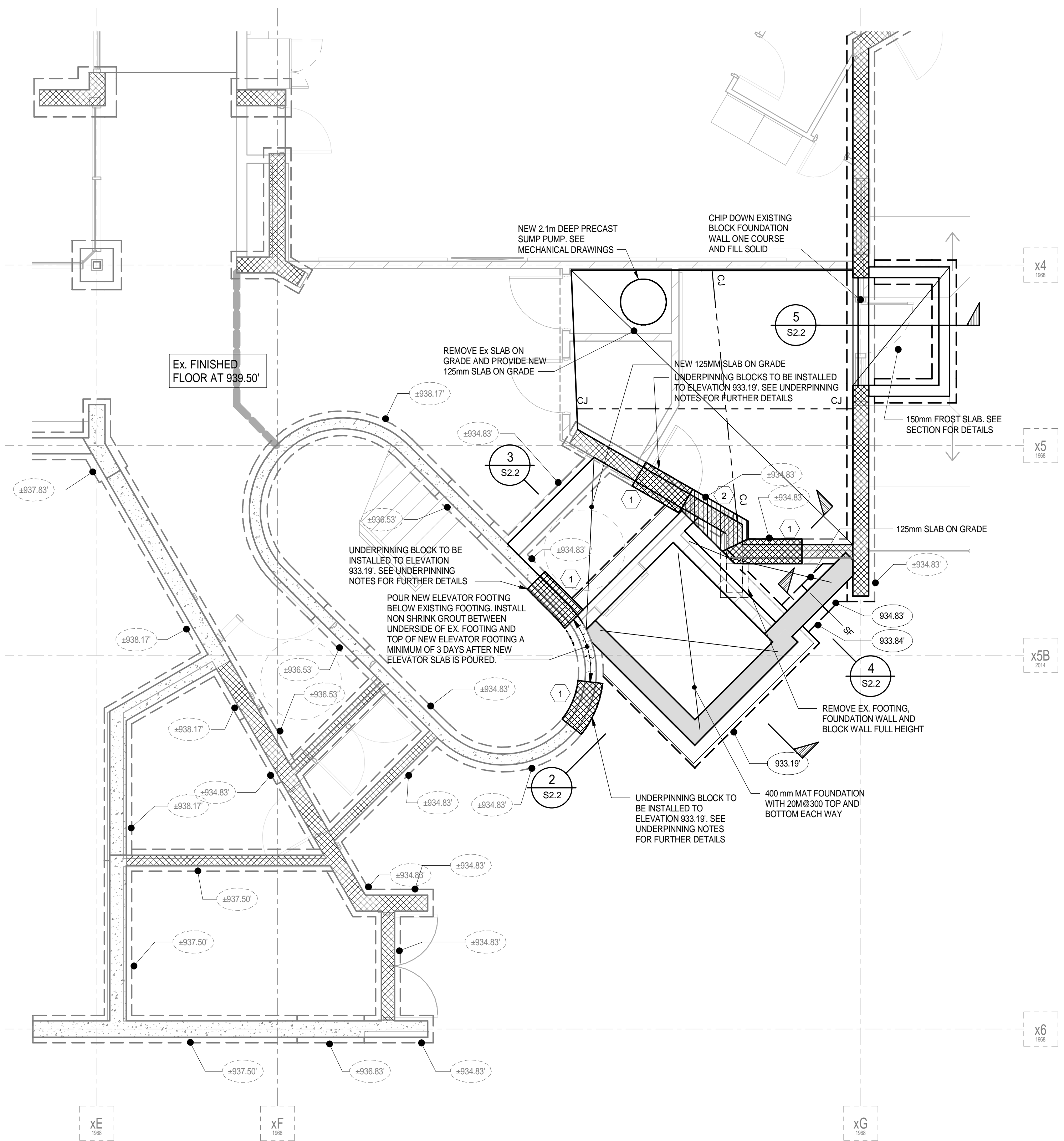
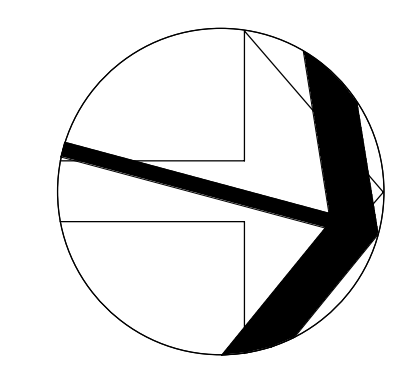
STANDARD DETAILS



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Engineers, Scientists, Surveyors

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PART FOUNDATION PLAN
Scale: 1 : 50

UNDERPINNING NOTES

THE SUGGESTED PROCEDURE BELOW IS PROVIDED FOR THE GENERAL CONTRACTOR'S GUIDANCE ONLY AND IS GIVEN HERE IN GOOD FAITH, BASED ON THE INFORMATION AVAILABLE TO THE OWNER'S CONSULTANTS AT THE TIME THE CONSTRUCTION DOCUMENTS WERE BEING PREPARED. PRIOR TO COMMENCING THE UNDERPINNING OPERATION:

- A. THE GENERAL CONTRACTOR IS TO ESTABLISH THE IN SITU SOIL CONDITIONS AT AND BELOW THE EXISTING SLAB ON GRADE INDICATED ON THE DRAWINGS TO BE UNDERPINNED.
- B. THE GENERAL CONTRACTOR IS TO VERIFY THE UNDERSIDE ELEVATIONS OF EXISTING FOOTINGS, WITH PARTICULAR ATTENTION TO WHERE THE ELEVATIONS CHANGE, PRIOR TO PREPARING THE REQUIRED UNDERPINNING DETAILS AND PROCEDURES.
- C. THE LATERAL AND VERTICAL STABILITY OF THE EXISTING AND NEW STRUCTURES ARE AT ALL TIMES THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- D. THE LATERAL STABILITY OF THE UNDERPINNING IS AT ALL TIMES THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- E. ALL CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE UNDERPINNING OPERATIONS ARE TO BE IN ACCORDANCE WITH ALL APPLICABLE CURRENT MUNICIPAL AND/OR PROVINCIAL HEALTH AND SAFETY LEGISLATION, THE ONTARIO BUILDING CODE AND RELEVANT CANADIAN STANDARDS ASSOCIATION'S (CSA) STANDARDS.
- F. CONCRETE FOR UNDERPINNING TO BE 25MPa, 125mm MAXIMUM SLUMP.
- G. DRY PACK GROUT TO BE EITHER 1 PART PORTLAND CEMENT 2 PARTS CLEAN SHARP SAND OR PREMIXED NON-SHRINK GROUT MIX, SUCH AS V-3 GROUT BY W. R. MEADOWS.

SUGGESTED PROCEDURE FOR UNDERPINNING - GENERAL

EXCAVATION AND UNDERPINNING SHALL BE DONE USING CAST IN PLACE UNDERPINNING BLOCK WITH:

- MAXIMUM VERTICAL HEIGHT OF 900 mm
- MAXIMUM LENGTH OF 900 mm
- GROUT SPACE TO BE 75mm.

THIS PROCEDURE AND THE ACCOMPANYING PLANS HAVE BEEN PREPARED ON THE BASIS OF A THREE STAGE UNDERPINNING PROCEDURE. EACH STAGE REQUIRES A MINIMUM OF 24 HOURS TO COMPLETE.

AT ANYTIME DURING THE INSTALLATION OF THE UNDERPINNING BLOCKS WHEN THE EXCAVATION RESULT IN A DIFFERENCE OF MORE THAN 300mm BETWEEN THE HEIGHT OF SOIL ON EITHER SIDE OF THE EXISTING FOUNDATION WALL OR UNDERPINNING BLOCKS, LATERAL BRACING IS TO BE PROVIDED. THE LATERAL BRACING IS TO REMAIN IN PLACE UNTIL SUCH TIME THAT THE NEW CONSTRUCTION IS IN PLACE.

SUGGESTED FIRST LIFT OF UNDERPINNING

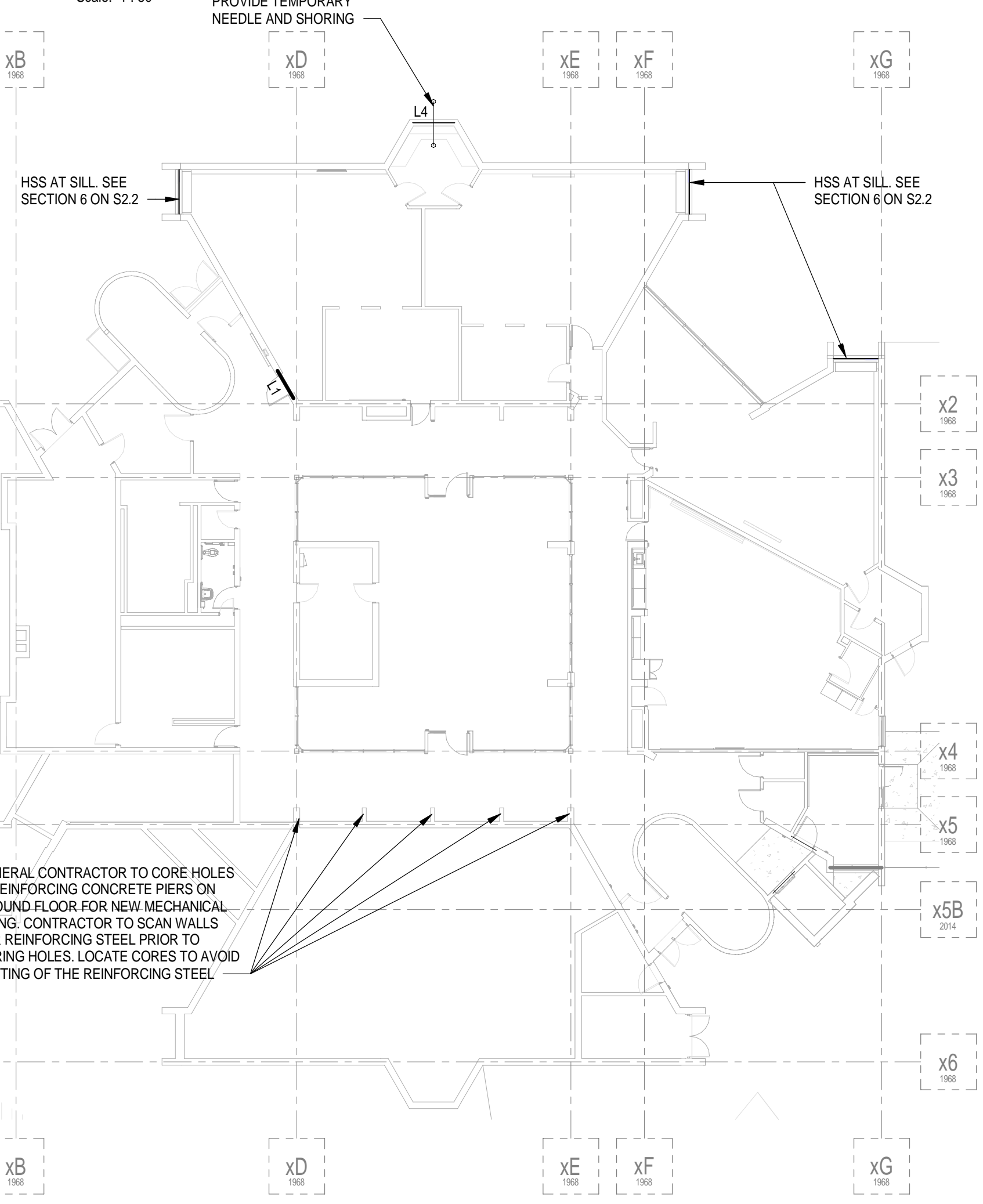
STAGE 1:

- FOR ALL BLOCKS MARKED '1' ON THE DOCUMENTS, EXCAVATE TO UNDERSIDE OF EXISTING FOOTINGS OR AS NOTED ON ELEVATION. PROVIDE LATERAL BRACING AS REQUIRED. SEE NOTES ABOVE.
- FOR ALL BLOCKS MARKED '1' ON THE DOCUMENTS, EXCAVATE 900mm LONG BY 300mm WIDE OF THE UNDERPINNING BLOCK.
- FORM EXPOSED FACE OF BLOCK AND POUR UNDERPINNING BLOCK, LEAVING MINIMUM 75mm SPACE BETWEEN TOP OF BLOCK AND UNDERSIDE OF EXISTING SLAB ON GRADE.
- ALLOW CONCRETE TO CURE FOR 6 HOURS MINIMUM BEFORE PROCEEDING.
- DRY PACK THE VOID BETWEEN THE TOP OF THE UNDERPINNING BLOCK USING THE PORTLAND CEMENT MIXTURE DESCRIBED ABOVE WITH SUFFICIENT POTABLE WATER TO PRODUCE A MATERIAL WITH A VERY STIFF CONSISTENCY. PLACE THE MIXTURE BY HAND AND THEN USING A RAM AND HAMMER PACK THE ENTIRE VOID SPACE.
- AS AN ALTERNATE TO THE DRY PACK METHOD, PREPARE THE PREMIXED GROUT TO A POURABLE CONSISTENCY, FORM THE EXPOSED EDGE OF THE VOID BETWEEN THE TOP OF THE UNDERPINNING BLOCK AND THE UNDERSIDE OF THE EXISTING FOOTING AND POUR IN LIQUID GROUT FROM ONE END OF THE UNDERPINNING BLOCK, MAINTAINING A POSITIVE HEAD OF GROUT OF 75 MM MINIMUM.
- ALLOW GROUT TO CURE FOR 18 HOURS BEFORE PROCEEDING.

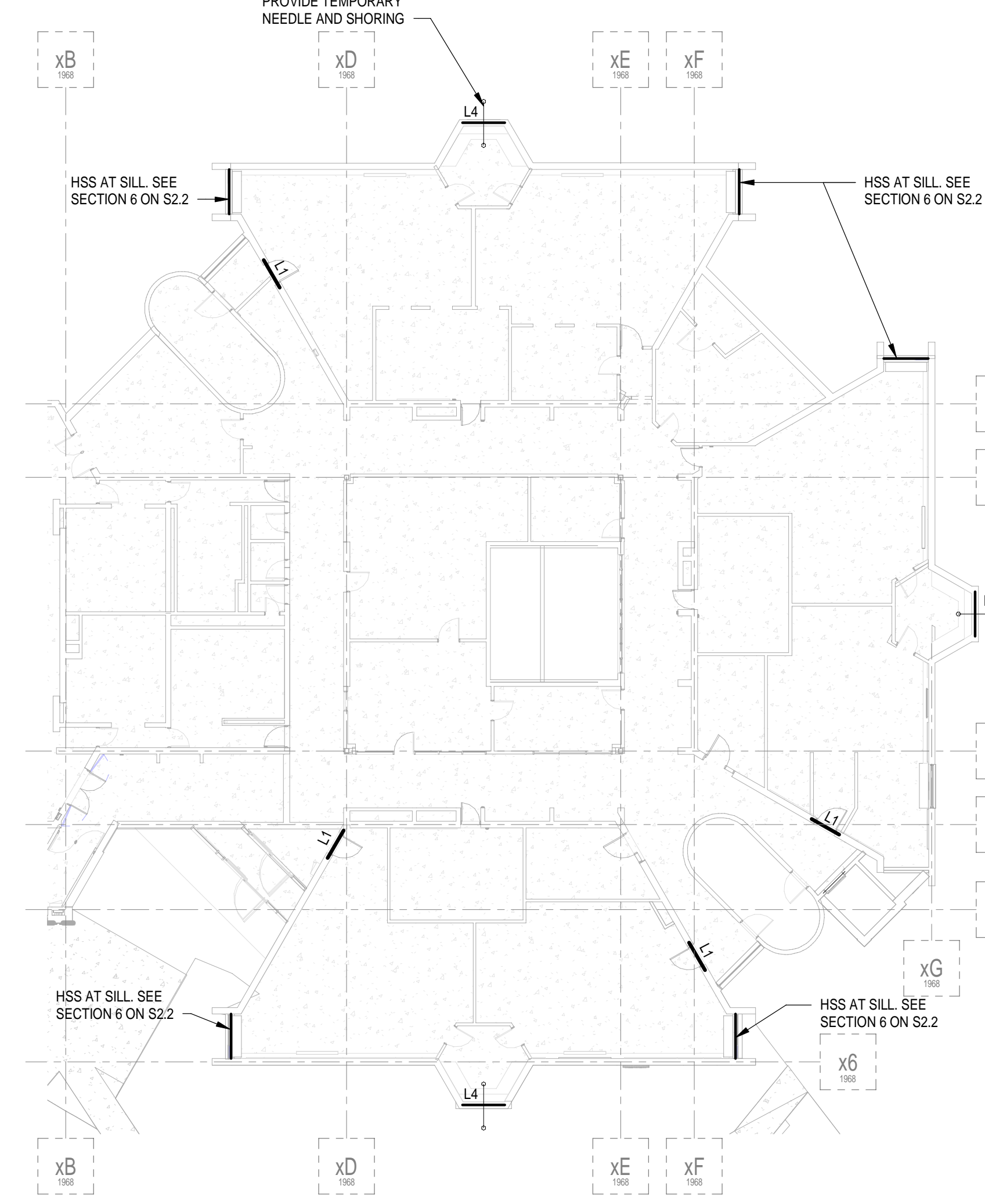
STAGE 2:

- FOR ALL BLOCKS MARKED '2' ON THE DOCUMENTS, PROCEED AS PER STAGE 1

PART SECOND FLOOR FRAMING PLAN
Scale: 1 : 50



GROUND FLOOR LINTEL PLAN
Scale: 1 : 200



SECOND FLOOR LINTEL PLAN
Scale: 1 : 200

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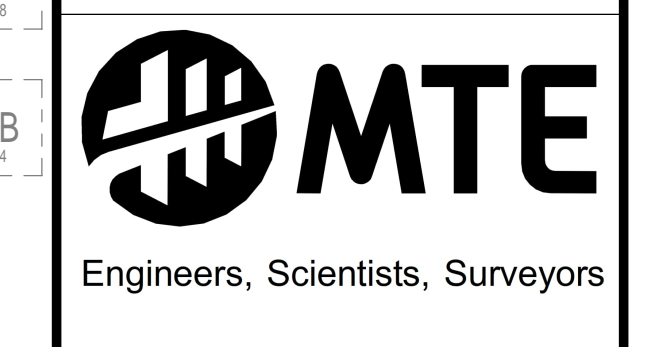
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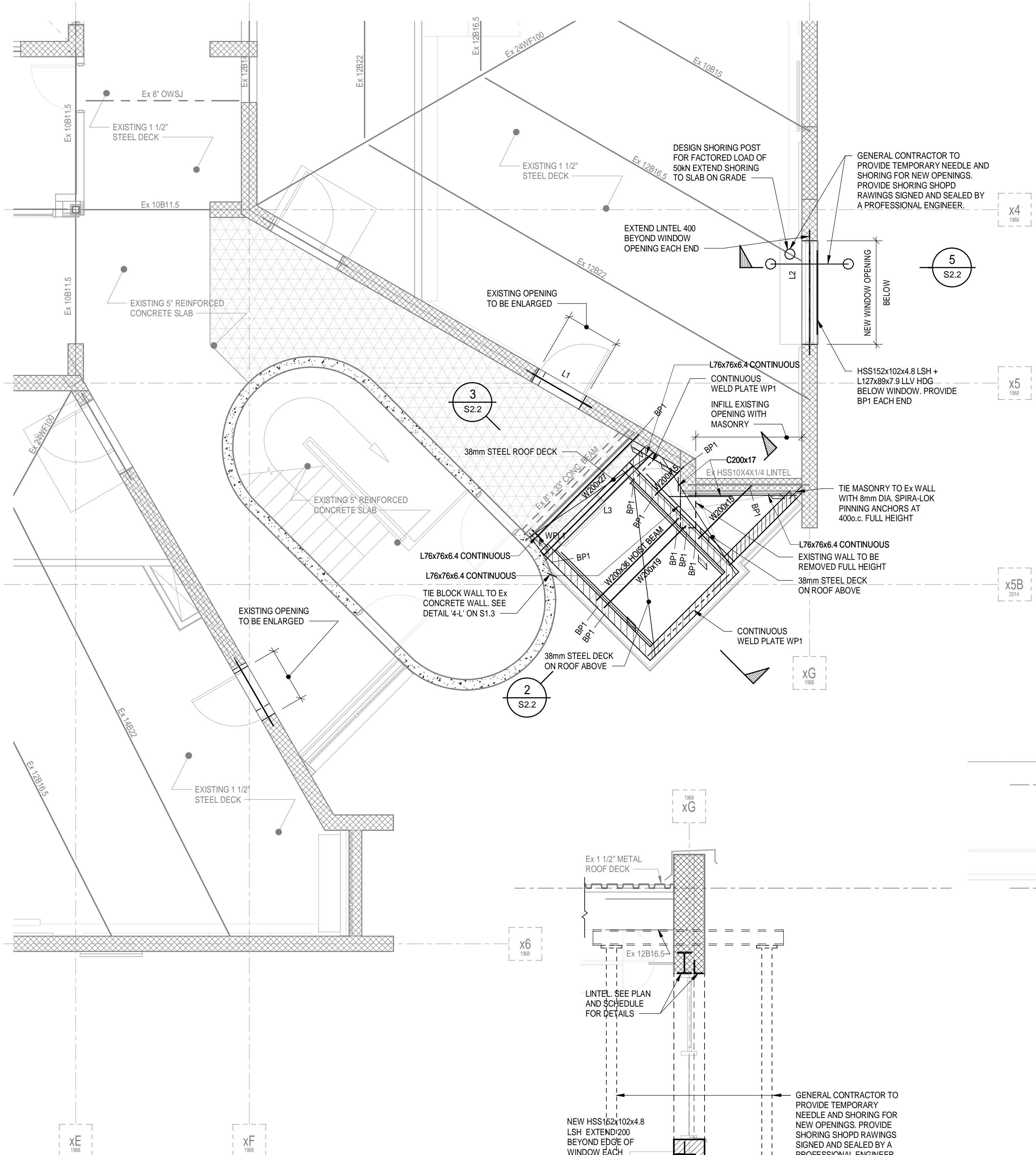
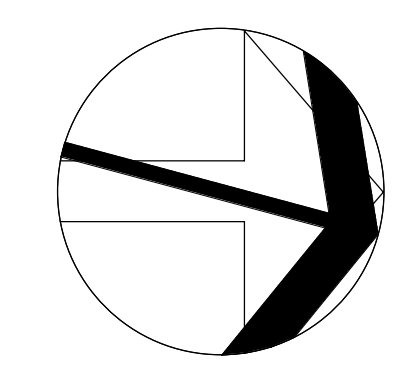


PART FOUNDATION AND SECOND FLOOR FRAMING PLAN

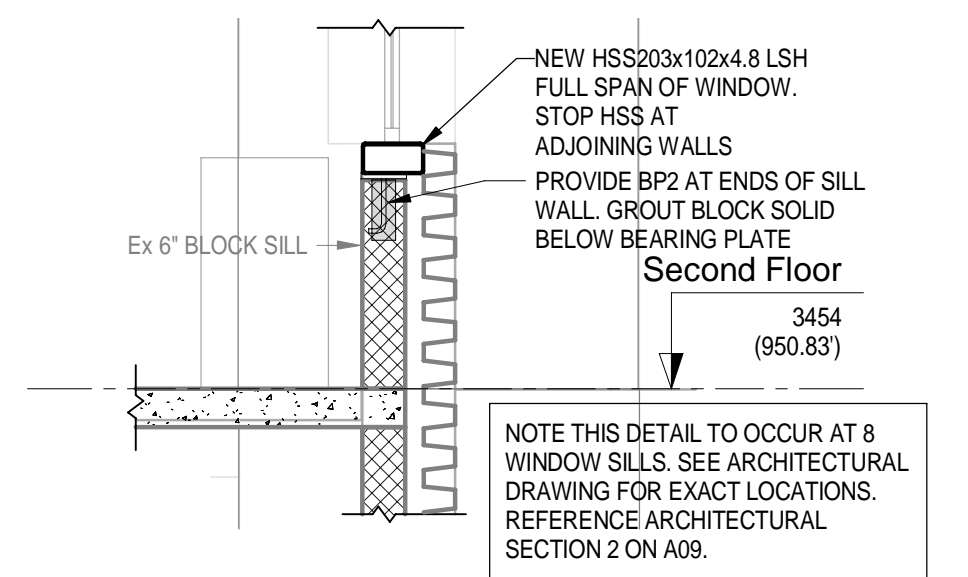


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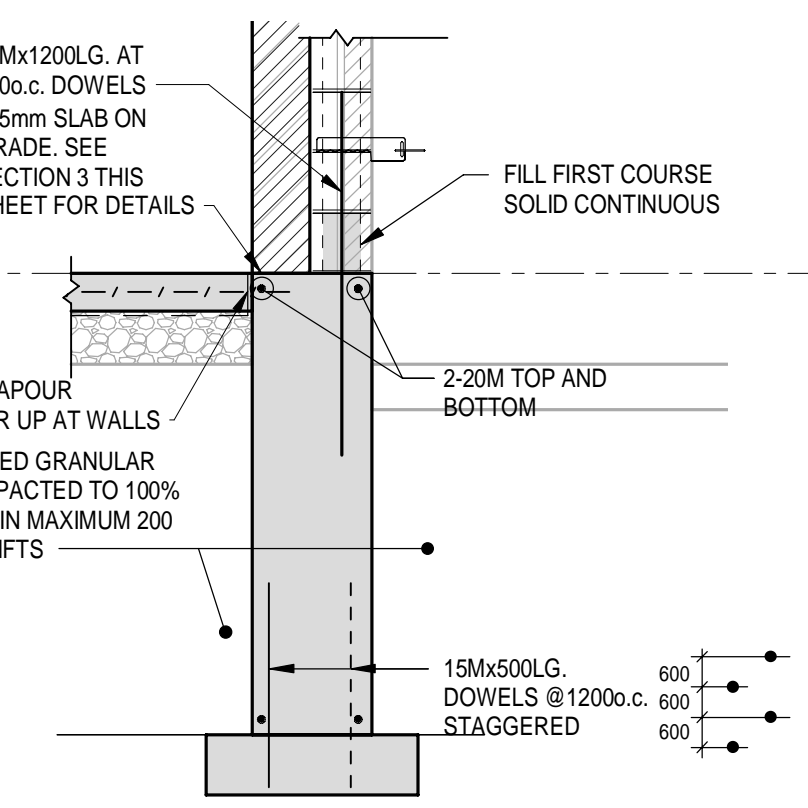
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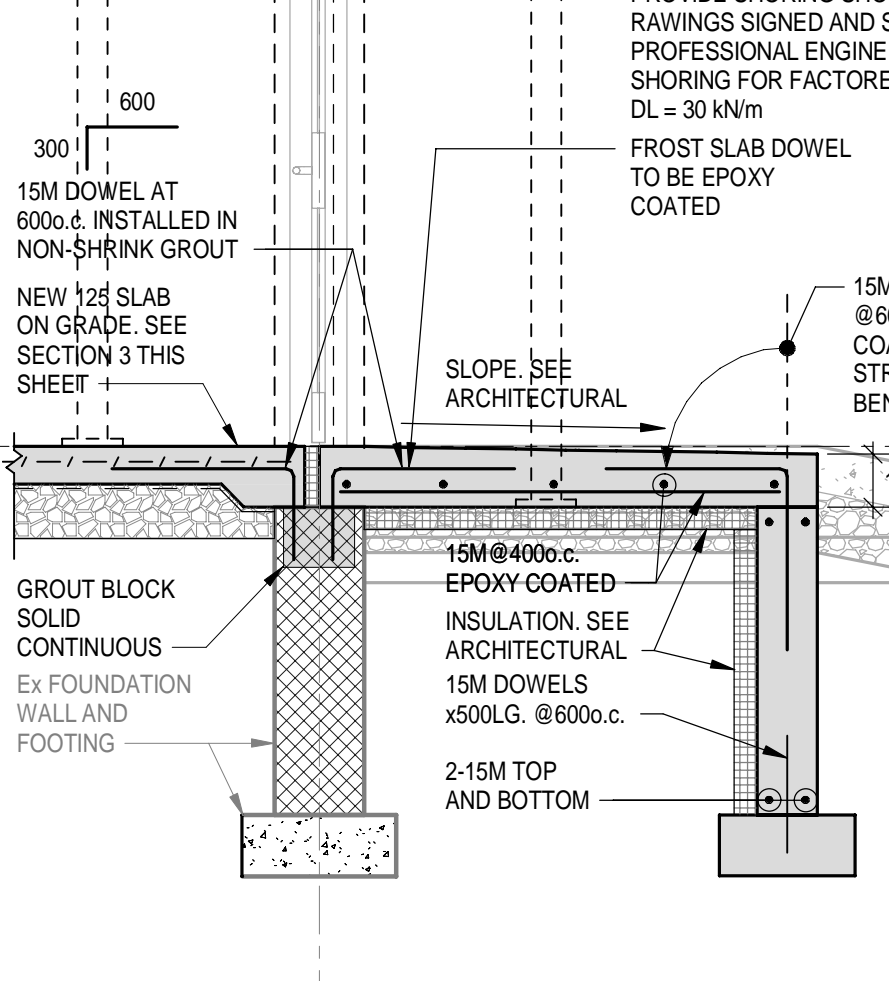
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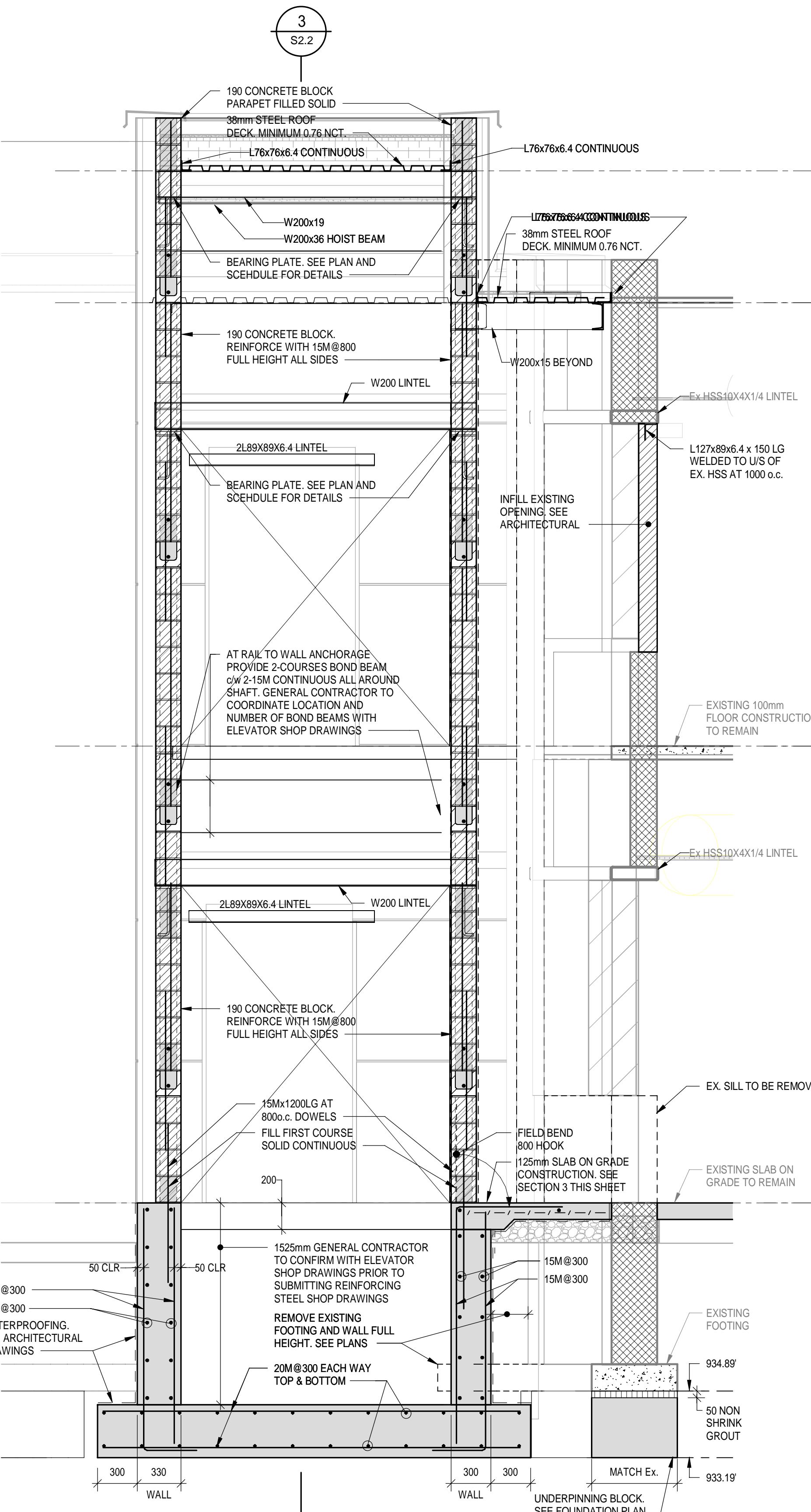
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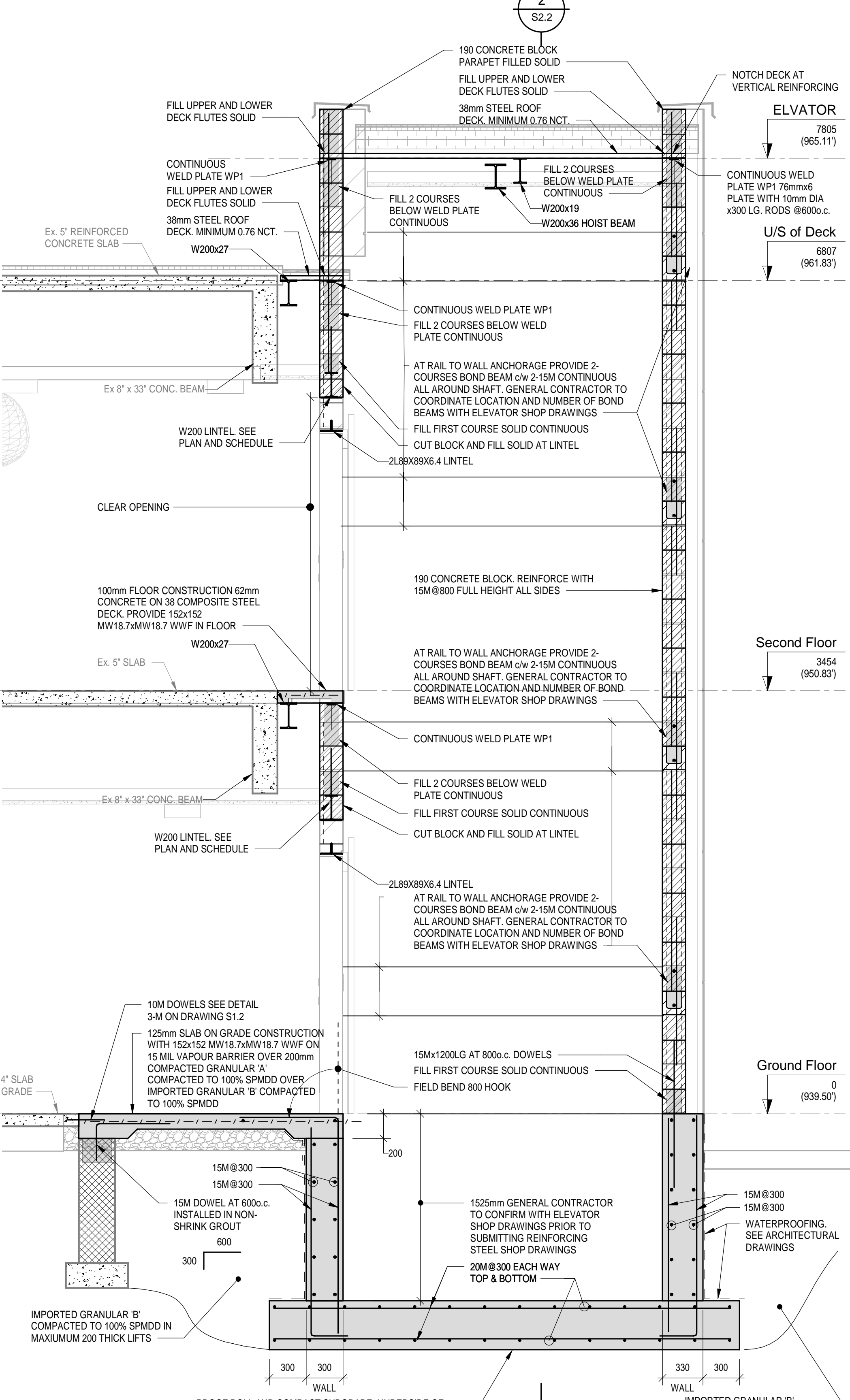
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Scale: 1:25



SECTION 5
Scale: 1:25



SECTION 2
Scale: 1:25



SECTION 3
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PART MAIN ROOF FRAMING PLAN



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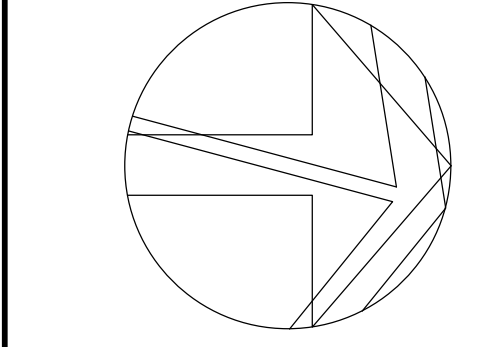
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PLUMBING FIXTURE SCHEDULE

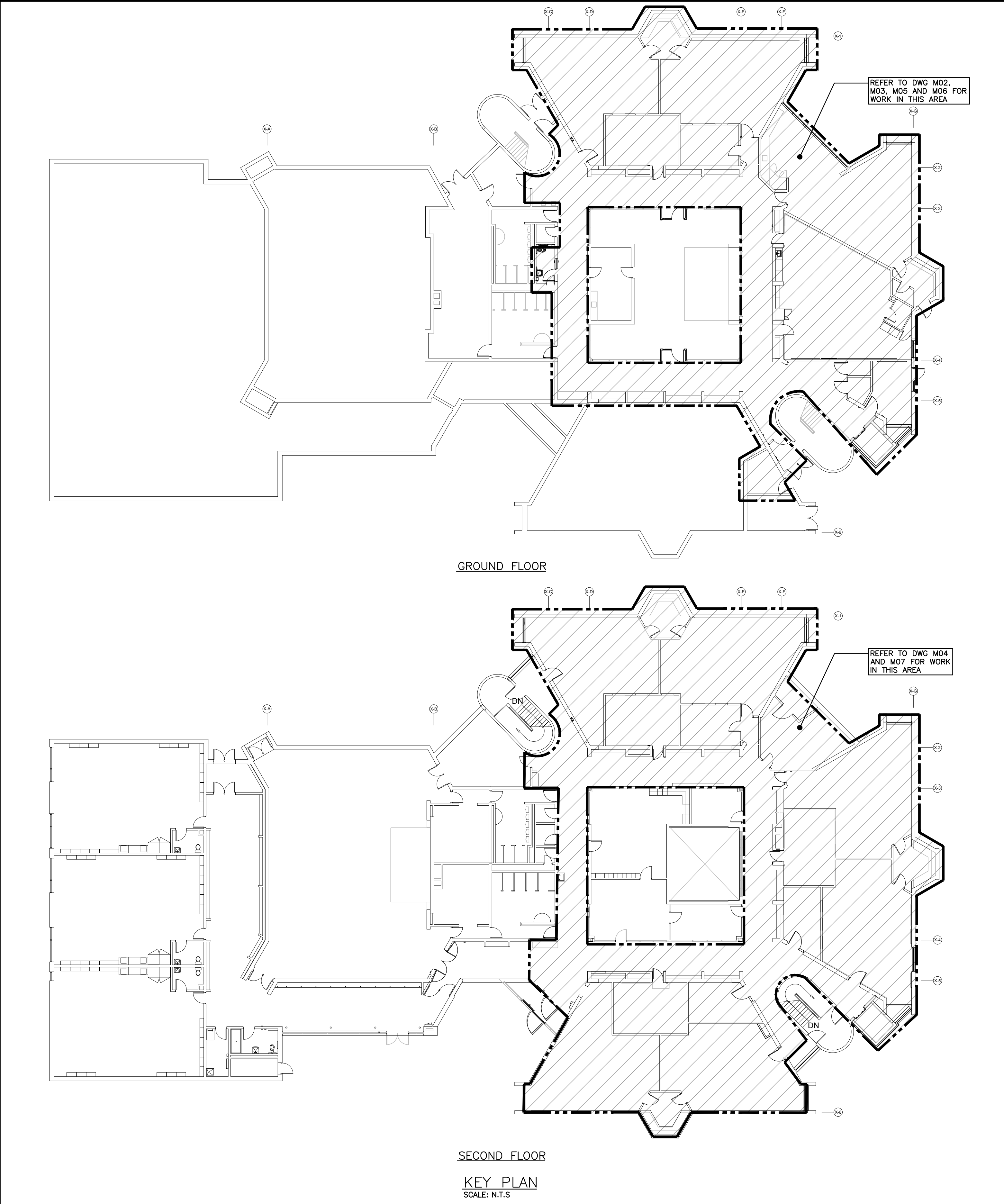
Item	Type	Connection Sizes				Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Accessories
		HW	OW	TW	Drain					
WC-1	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH, HANDS FREE (HARDWARE)	25	80	40		AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 MANSFIELD ADRIATIC 1319 ZURN ECO VANTAGE Z5665-BWL	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.5 gal) PER FLUSH.	DELTA 81201-WMSHW ZURN ZEM5600AV SLDAN 111-ES-S	EXPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH 25MM (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHIONS, HARDWIRED OPERATED POWER CONVERTER, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH, COORDINATE SENSOR SITS ABOVE TOILET SEAT AND GRAB BARS	SEAT: BLACK, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
L-1	B.F. WALL MOUNTED LAV ELECTRONIC FAUCET (HARDWARE)	15	15	32	32	AMERICAN STANDARD MURRO 0954 000 KOHLER FINQR K-2035-4-0	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP AND SHROUD, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW, SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2")	DELTA 59120250 MOEN COMMERCIAL C48301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET, CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRARED SENSOR AND ADJUSTABLE SENSING RANGE 78mm TO 381mm (3" TO 15") AND TRIG OUT 15 TO 75 SECONDS CHROME FINISH, VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5gpm (5.7 L/Min) @ 413 kPa (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE, MOUNTED HOUSING FOR SOLENOID AND CONTROLLER, SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY, C/W PLUG-IN TRANSFORMER.	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1 1/4") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA 591T, POWERS LM400 OR EQUAL.
S-1	STAINLESS STEEL SINGLE SINK	15	15	40	32	KINDRED LBS6808-1/3 NOVANNI 1017	SINK: SINGLE COMPARTMENT, LEDGE-BACK, FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 200 mm (20 1/8" X 20" X 8").	DELTA 26C303-L3 MOEN COMMERCIAL 8701	FAUCET: CHROME PLATED BRASS, WITH SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).	WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT. THERMOSTATIC MIXING VALVE UNDER SINK. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
FD-1	FLOOR DRAIN			NOTED	40	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER			
FD-2	ELEVATOR SUMP DRAIN			NOTED	40	ZURN Z-629 WATTS DRAINAGE MIFAB CONTOUR C2900NB	GENERAL DUTY VERTICAL WALL DRAIN, CAST IRON BODY, CLAMPING COLLAR, NICKEL-BRONZE STRAINER. C/W INTEGRAL BACKWATER VALVE			

MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
---	CUT EXISTING & CONNECT NEW PIPING	---	TEE CONNECTION	PRV	PRESSURE REDUCING VALVE
---	FLOW DIRECTION	---	PIPE DOWN	---	THERMOSTAT (WITH OR WITHOUT GUARD)
---	DOMESTIC COLD WATER PIPING	---	PIPE UP	---	SUPPLY AIR DUCT
---	DOMESTIC HOT WATER PIPING	---	FLEXIBLE CONNECTION	---	RETURN/EXHAUST AIR DUCT
---	DOMESTIC HOT WATER REGRIC. PIPING	---	REDUCER/INCREASER	---	ACOUSTIC DUCT LINING
---	DOMESTIC TEMPERED WATER PIPING	---	CHECK VALVE	---	BALANCING DAMPER
---	EXISTING SANITARY PIPING ABOVE FLOOR	---	UNION	---	OPPOSED BLADE DAMPER
---	EXISTING SANITARY PIPING BELOW FLOOR	---	STRAINER	---	MOTORIZED DAMPER (OPPOSED BLADE)
---	SANITARY PIPING ABOVE FLOOR	---	PRESSURE & TEMPERATURE TEST STATION	---	FIRE DAMPER
---	SANITARY PIPING BELOW FLOOR	---	DRAIN (SCHEMATICS)	---	COMBINATION FIRE/SMOKE DAMPER
---	EXISTING STORM PIPING ABOVE FLOOR	---	VACUUM BREAKER	---	SMOKE DAMPER
---	EXISTING STORM PIPING BELOW FLOOR	---	SCREWED OR WELDED PIPE CAP	---	FLEXIBLE ROUND DUCT
---	STORM PIPING ABOVE FLOOR	---	PLUG VALVE	---	RIGID ROUND DUCT
---	STORM PIPING BELOW FLOOR	---	BALL VALVE	---	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
---	CONDENSATE PIPING	---	AIR VENT	---	HYDRONIC HEATING SIZE, TYPE & CAPACITY
---	VENT PIPING	---	RISER VALVE	---	AD
---	SPRINKLER PIPING	---	BALANCING VALVE	---	EXPANSION COMPENSATOR/JOINT
---	HEATING WATER SUPPLY PIPING	---	TEMPERATURE CONTROL VALVE	---	REC
---	HEATING WATER RETURN PIPING	---	SOLENOID VALVE	---	RIC
---	FLOOR DRAIN	---	RECESSED CABINET MOUNTED FIRE EXTINGUISHER	---	AFF
---	TRAP PRIMER	---	WALL MOUNTED FIRE EXTINGUISHER	---	AFR
---	BACKWATER VALVE	---	FLOOR CLEANOUT	---	EX
---		---	LINE CLEANOUT	---	EX



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 services from Consultant before commencement of the work. The drawings do not indicate all 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 this drawing. © 2022 DEI & Associates Inc.



GRILLE SCHEDULE

Item	Type	Manufacturer & Model	Finish	Remarks
R1	CEILING RETURN/EXHAUST	KRUEGER S560	BRITISH WHITE	C/W SCREWED FASTENING

GENERAL DIFFUSER/GRILLE NOTES:
 1. ACCEPTABLE MANUFACTURERS: EH PRICE, NALOR, TITUS, KRUEGER, CARNES, METALARE, TUTTLE & BAILEY
 2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
 3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATTE BLACK (WHERE VISIBLE THRU GRILLE).

GENERAL NOTES

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
 - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)

HEATING COMPONENT SCHEDULE

Item	Type	Size	Capacity MBH	EWT 'F	LWT 'F	EAT 'F	Manufacturer & Model	Remarks
H-1	CONVECTOR	AS NOTED	AS NOTED	150	130	70	ENG AIR C-3W	6" DEEP, TOP OF UNIT AT 42" AFF SURFACE MOUNTED, FRONT INLET & OUTLET
H-2	RADIATION (MOUNTED HIGH)	AS NOTED	AS NOTED	150	130	70	ENG AIR WF-1B	2 ROW, 18" HIGH CABINET, SLOPED TOP AND BOTTOM FOR MOUNTING HIGH ON WALL

GENERAL HEATING COMPONENT NOTES:
 1. ACCEPTABLE MANUFACTURERS: ENGINEERED AIR, SIGMA, RITTLING, SLANT-FIN, ROSEMEK, DUNHAM-BUSH
 2. CABINET FINISHES ARE TO BE FACTORY FINISH PAINTED SELECTED FROM STANDARD MANUFACTURER'S COLOURS UNLESS OTHERWISE NOTED.

FAN SCHEDULE

Item	Type	Service	Capacity cfm	Exhaust Air Rate cfm	Size in. x in. x in.	SP in. wc	Voltage	Manufacturer	Model	Remarks
EF-1	CEILING MOUNTED EXHAUST	LOCAL EXHAUST	100	Fhp	0.125		120V/1/60	PENN BARRY	Z0110	C/W VIBRATION ISOLATION HANGERS, SPEED CONTROLLER, ALUMINUM GRILLE. FOR NUMBER & LOCATION OF FANS REFER TO PLAN.
EF-2	CEILING MOUNTED EXHAUST	ELEVATOR MACHINE ROOM	450	Fhp	0.125		120V/1/60	PENN BARRY	Z10H	C/W VIBRATION ISOLATION HANGERS, REVERSE-ACTING THERMOSTAT BY ELECTRICAL DIVISION

GENERAL FAN NOTES:
 1. ACCEPTABLE MANUFACTURERS: CEILING FANS: BROWN, GREENHECK, PENN-BARRY, ZONEX

UNIT VENTILATOR SCHEDULE (HORIZONTAL)

Item	Type	Capacity tons	Capacity cfm	Max. O.A. Position	S.P. in. wc	Size in. x in. x in.	Medium	Coil Rows	Heating			Electrical		Manufacturer	Model	Remarks		
									EWT 'F	LWT 'F	EAT 'F	Capacity MBH	GPM				Voltage	MCA
UV-1	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	3-SPEED ECM MOTOR, FACE & BYPASS HEATING COIL, 3-WAY VALVE AT HEATING COIL, 2-ROW HEATING COIL, CO2 SENSOR, DIGITAL READY CONTROLS PACKAGE, REAR OA INTAKE DUCT COLLAR, TWO (2) FULL-DEPTH END PANELS (OUT-GOITS TO BE COMPLETED ON SITE TO SUIT DRAFTSTOP DOWNDRAFT PROTECTION FEATURE & PIPING TUNNEL) C/W MOUNTING HARDWARE & KICKPLATE (CONFIRM CUT-OUTS WITH MANUFACTURER), BOTTOM FRONT RA INLET GRILLE, TOP DISCHARGE SA GRILLE & DRAFTSTOP DOWNDRAFT PROTECTION RA INLET, UNIT MOUNTED DISCONNECT (INSIDE ENCLOSURE), HEATING COIL FREEZESTAT (FACTORY INSTALLED & WIRED), ADJUSTABLE LEG LEVELLERS, PUTTY BEGE CABINET COLOUR, TAMPER-RESISTANT FASTENERS ON ALL ACCESS DOORS, REPLACEMENT MERV 13 FILTERS C/W ONE EXTRA SET, 50mm BASE TO RAISE UNIT, SET FAN TO MEDIUM SPEED
UV-3	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-4	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-6	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-8	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-9	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-11	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-12	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-14	HORIZONTAL UNIT VENTILATOR	2	800	33%	0.3	1/3	WATER	2	150	130	60.3	8.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	

NOTE: CONTRACTOR RESPONSIBLE TO PROVIDE TEMPORARY HEAT IN ROOMS (TO SATISFACTION OF OWNER & CONSULTANT) IF UNIT VENTILATORS ARE NOT INSTALLED IN TIME FOR HEATING SEASON.
 SHOP DRAWING SUBMISSION/UNIT DELIVERY REQUIREMENTS
 - SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT WITHIN TWO (2) WEEKS OF AWARD OF CONTRACT.
 - SHOP DRAWINGS SHALL BE REVIEWED/RETURNED BY THE CONSULTANT WITHIN ONE (1) WEEK OF SUBMISSION.
 - CONTRACTOR TO ORDER EQUIPMENT FROM MANUFACTURER IMMEDIATELY UPON RETURNED/APPROVED SHOP DRAWINGS.
 - THIS CONTRACTOR SHALL CO-ORDINATE WITH THE MANUFACTURER TO ENSURE UNIT VENTILATOR EQUIPMENT IS DELIVERED TO SITE AND INSTALLED BY JANUARY, 2024. INCLUDE IN TENDER PRICE FOR PREMIUM COSTS ASSOCIATED WITH MANUFACTURERS RUSH/ACCELERATED DELIVERY.

UNIT VENTILATOR SCHEDULE (CEILING MOUNTED)

Item	Type	Capacity tons	Capacity cfm	Max. O.A. Position	S.P. in. wc	Size in. x in. x in.	Medium	Coil Rows	Heating			Electrical		Manufacturer	Model	Remarks		
									EWT 'F	LWT 'F	EAT 'F	Capacity MBH	GPM				Voltage	MCA
UV-2	CEILING MOUNTED UNIT VENTILATOR	3	1000	33%	0.3	1/3	WATER	2	150	130	73.7	8.9	120/1/60	6.3	15	DAIKIN	UAHF9-H13	3-SPEED ECM MOTOR, FACE & BYPASS HEATING COIL, 3-WAY VALVE AT HEATING COIL, 2-ROW HEATING COIL, CO2 SENSOR, DIGITAL READY CONTROLS PACKAGE, REAR OA INTAKE DUCT COLLAR (UV-3 TO HAVE TOP INTAKE DUCT), FRONT SA DISCHARGE DUCT COLLAR, C/W MOUNTING HARDWARE, BOTTOM FRONT RA INLET GRILLE, DRAFTSTOP DOWNDRAFT PROTECTION RA INLET, UNIT MOUNTED DISCONNECT (INSIDE ENCLOSURE), HEAVY DUTY LATTICE GRILLE OVER LOUVER, HEATING COIL FREEZESTAT (FACTORY INSTALLED & WIRED), PUTTY BEGE CABINET COLOUR, TAMPER-RESISTANT FASTENERS ON ALL ACCESS DOORS, REPLACEMENT MERV 13 FILTERS C/W ONE EXTRA SET, SET FAN TO MEDIUM SPEED
UV-5	CEILING MOUNTED UNIT VENTILATOR	3	1000	33%	0.3	1/3	WATER	2	150	130	73.7	8.9	120/1/60	6.3	15	DAIKIN	UAHF9-H13	
UV-7	CEILING MOUNTED UNIT VENTILATOR	3	1000	33%	0.3	1/3	WATER	2	150	130	73.7	8.9	120/1/60	6.3	15	DAIKIN	UAHF9-H13	
UV-10	CEILING MOUNTED UNIT VENTILATOR	3	1000	33%	0.3	1/3	WATER	2	150	130	73.7	8.9	120/1/60	6.3	15	DAIKIN	UAHF9-H13	
UV-13	CEILING MOUNTED UNIT VENTILATOR	3	1000	33%	0.3	1/3	WATER	2	150	130	73.7	8.9	120/1/60	6.3	15	DAIKIN	UAHF9-H13	

NOTE: CONTRACTOR RESPONSIBLE TO PROVIDE TEMPORARY HEAT IN ROOMS (TO SATISFACTION OF OWNER & CONSULTANT) IF UNIT VENTILATORS ARE NOT INSTALLED IN TIME FOR HEATING SEASON.
 SHOP DRAWING SUBMISSION/UNIT DELIVERY REQUIREMENTS
 - SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT WITHIN TWO (2) WEEKS OF AWARD OF CONTRACT.
 - SHOP DRAWINGS SHALL BE REVIEWED/RETURNED BY THE CONSULTANT WITHIN ONE (1) WEEK OF SUBMISSION.
 - CONTRACTOR TO ORDER EQUIPMENT FROM MANUFACTURER IMMEDIATELY UPON RETURNED/APPROVED SHOP DRAWINGS.
 - THIS CONTRACTOR SHALL CO-ORDINATE WITH THE MANUFACTURER TO ENSURE UNIT VENTILATOR EQUIPMENT IS DELIVERED TO SITE AND INSTALLED BY JANUARY, 2024. INCLUDE IN TENDER PRICE FOR PREMIUM COSTS ASSOCIATED WITH MANUFACTURERS RUSH/ACCELERATED DELIVERY.

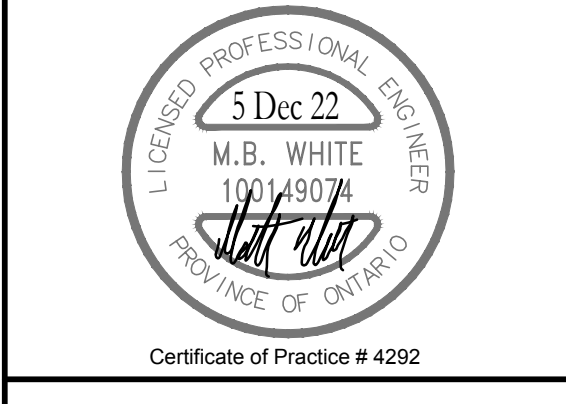
SPLIT AIR CONDITIONING UNIT SCHEDULE

Item	Service	Capacity (Tons)	Refrig.	Heating Capacity (mbh)	Cooling Capacity (mbh)	Weight (lbs)	MCA	MOCIP	Voltage	Manufacturer & Model	Remarks
AC-1	SEMINAR A131	1	R410A	13.5	10.8	50±	1	15	208/1/60	DAIKIN FF01202VU	INTERLOCK TO CU-1. UNIT PROVIDED BY OWNER. PROVIDE FIRE RATED BOX AROUND THE CASSETTE. PROVIDE 300mm CLEARANCES FROM PIPING/ELECTRICAL CONNECTIONS SIDE AND 50mm ON TOP OF UNIT

AIR COOLED CONDENSING UNIT SCHEDULE

Item	Type	Service	Tons	Capacity MBH	Compressor Type	No. Stages	Refrig.	Suction Temp 'F	No. of Cond. Fans	Electrical			Unit Weight lbs	Manufacturer	Model	Remarks
										Voltage	MCA	MOCIP				
CU-1	OUTDOOR ROOF MOUNTED	SEMINAR A131	1.0	12.0	SCROLL	1	R410A	52	1	208/1/60	19.6	30	90±	DAIKIN	RX12RMU9	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. UNIT PROVIDED BY OWNER

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	12/22/22
1	ISSUED FOR TENDER REVIEW	11/7/22



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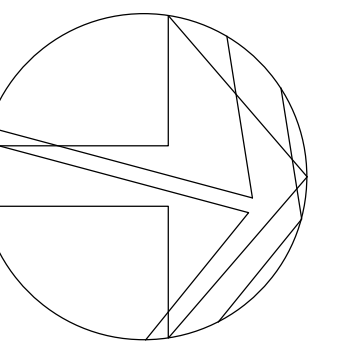
175 Main St. Cambridge, ON N1R 1W5



SCHEDULES, LEGEND AND KEY PLAN

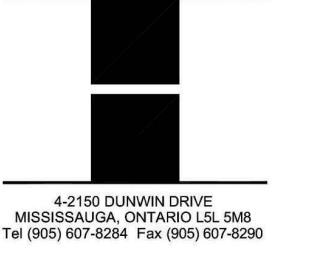


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DATE: NOVEMBER 2022	
DRAWN: NT	DRAWING: M01
CHECKED: SO	
PRINT DATE: 2022-12-06	
REVIEW FILE: T:\2019\1512102\Rev1.rvt	



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 fitting 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 this drawing. © 2022 DEI & Associates Inc.

HOSSACK & ASSOCIATES ARCHITECTS



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2	ISSUED FOR TENDER	12/2/22
1	ISSUED FOR TENDER REVIEW	11/7/22



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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

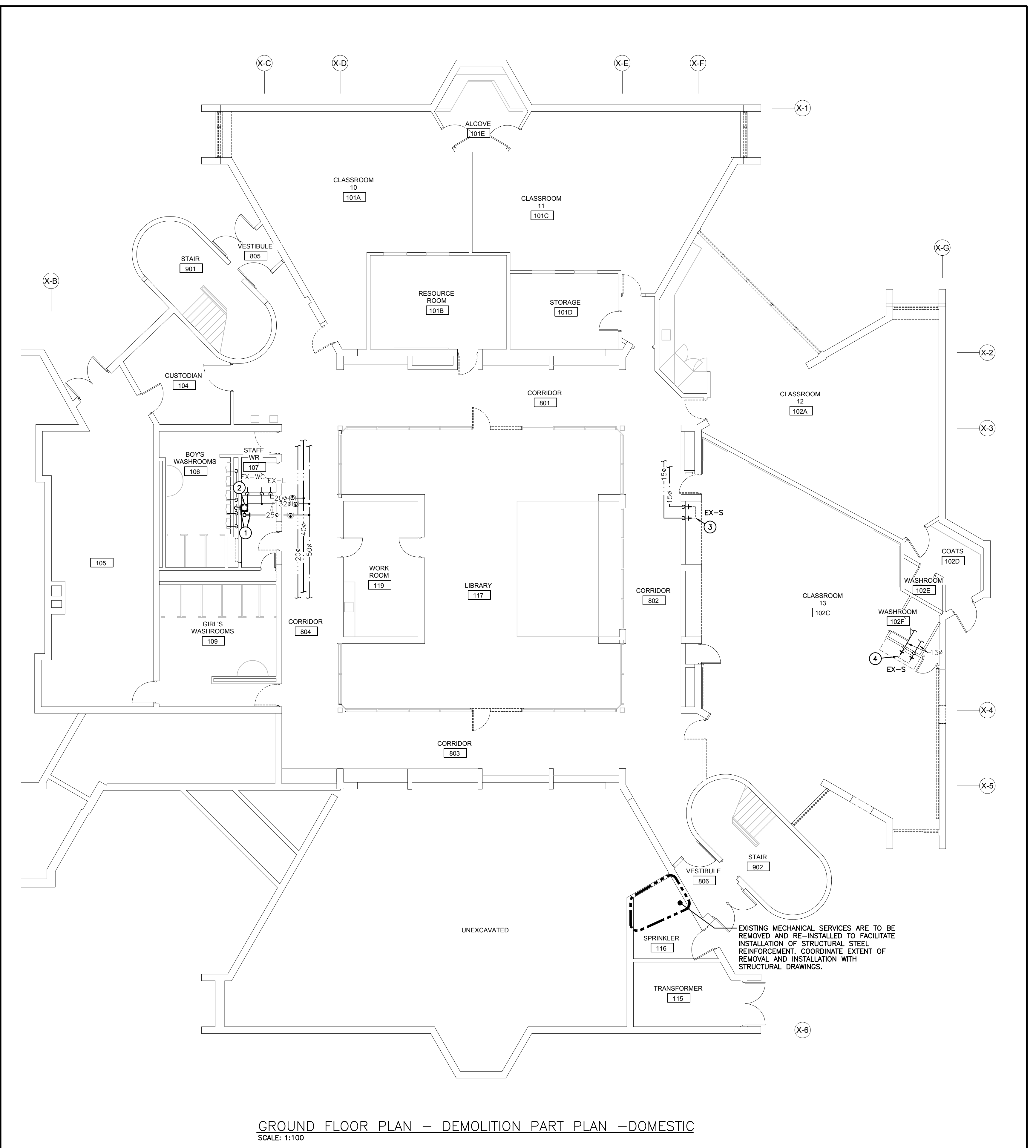
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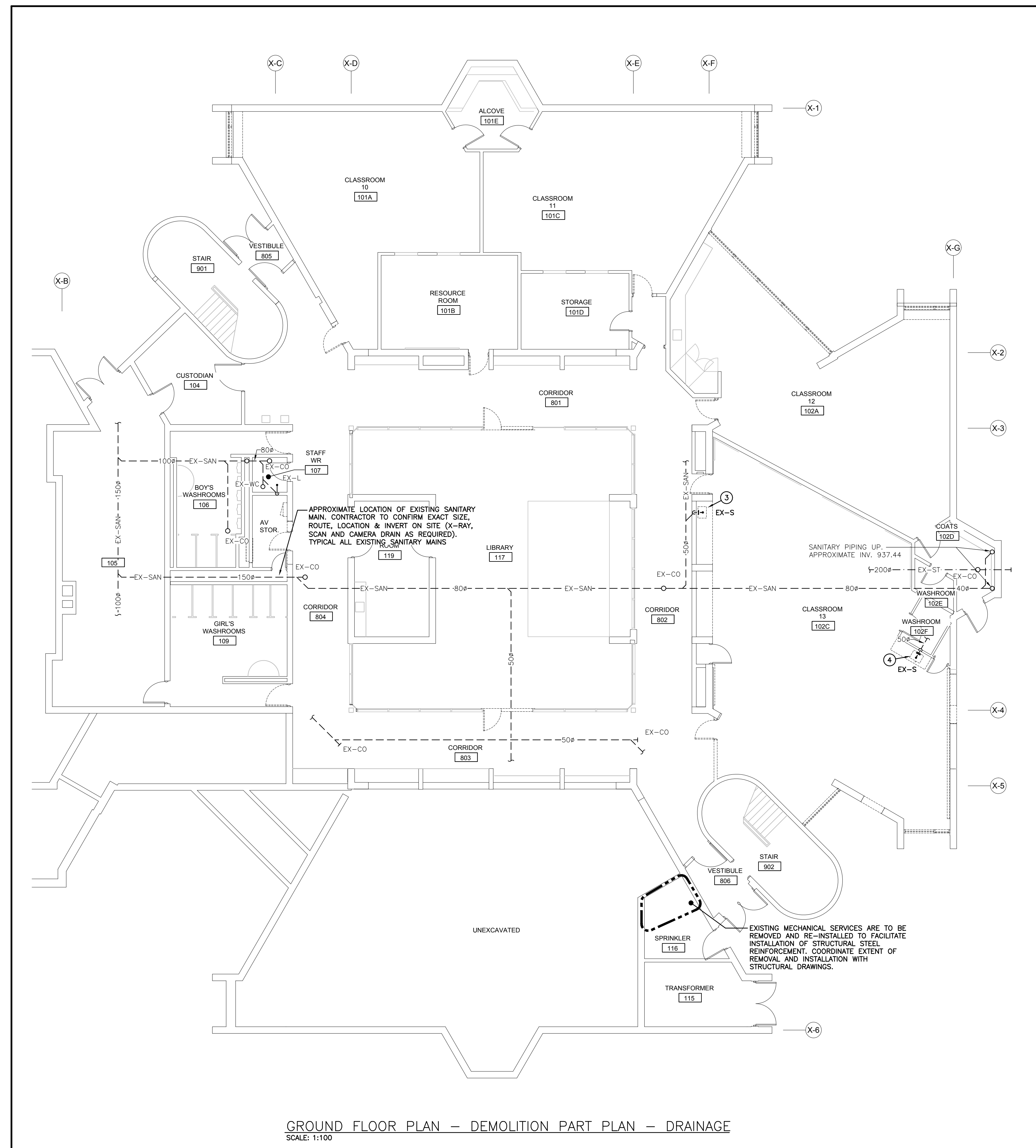
GROUND FLOOR PLAN - DEMOLITION DRAINAGE AND DOMESTIC



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DRAWN	NT	PRINT DATE	2022-12-06
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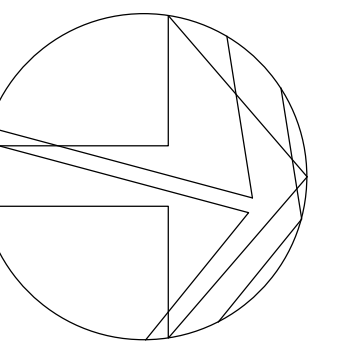


GROUND FLOOR PLAN - DEMOLITION PART PLAN - DOMESTIC
SCALE: 1:100



GROUND FLOOR PLAN - DEMOLITION PART PLAN - DRAINAGE
SCALE: 1:100

- | GENERAL DEMOLITION NOTES | SPECIFIC DEMOLITION NOTES |
|---|--|
| <ul style="list-style-type: none"> 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. | <ol style="list-style-type: none"> EXISTING CW PIPING TO BE CUT AND REMOVED COMPLETE. EXISTING FLUSH TANK & ALL ASSOCIATED CONTROLS TO BE REMOVED COMPLETE. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING SANITARY AND DOMESTIC PIPING TO BE CUT, REMOVED AND PREPARED FOR NEW CONNECTION. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING SANITARY AND DOMESTIC PIPING TO BE CUT AND CAPPED FOR FUTURE. |



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 services 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. 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 this drawing. © 2022 DEI & Associates Inc.

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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

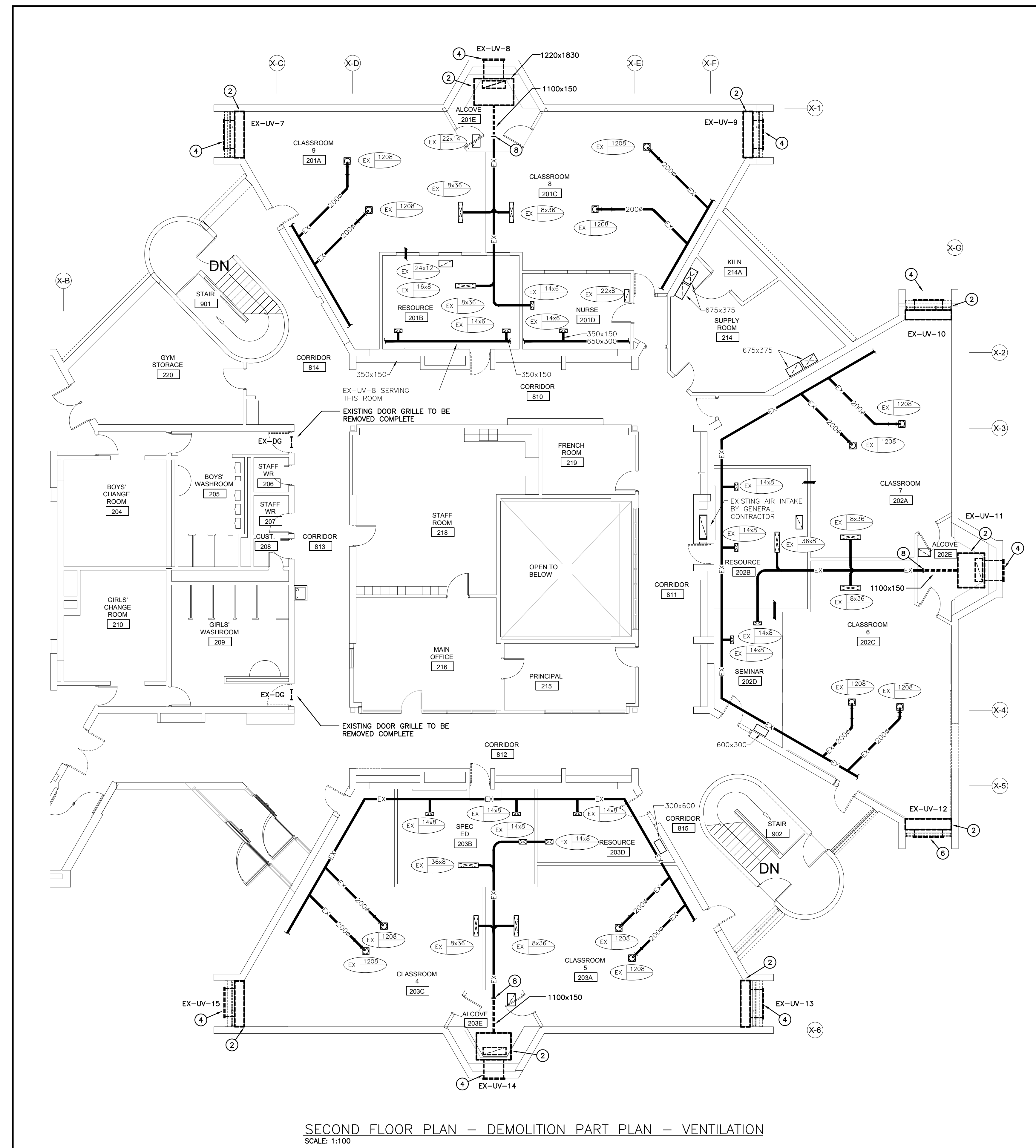
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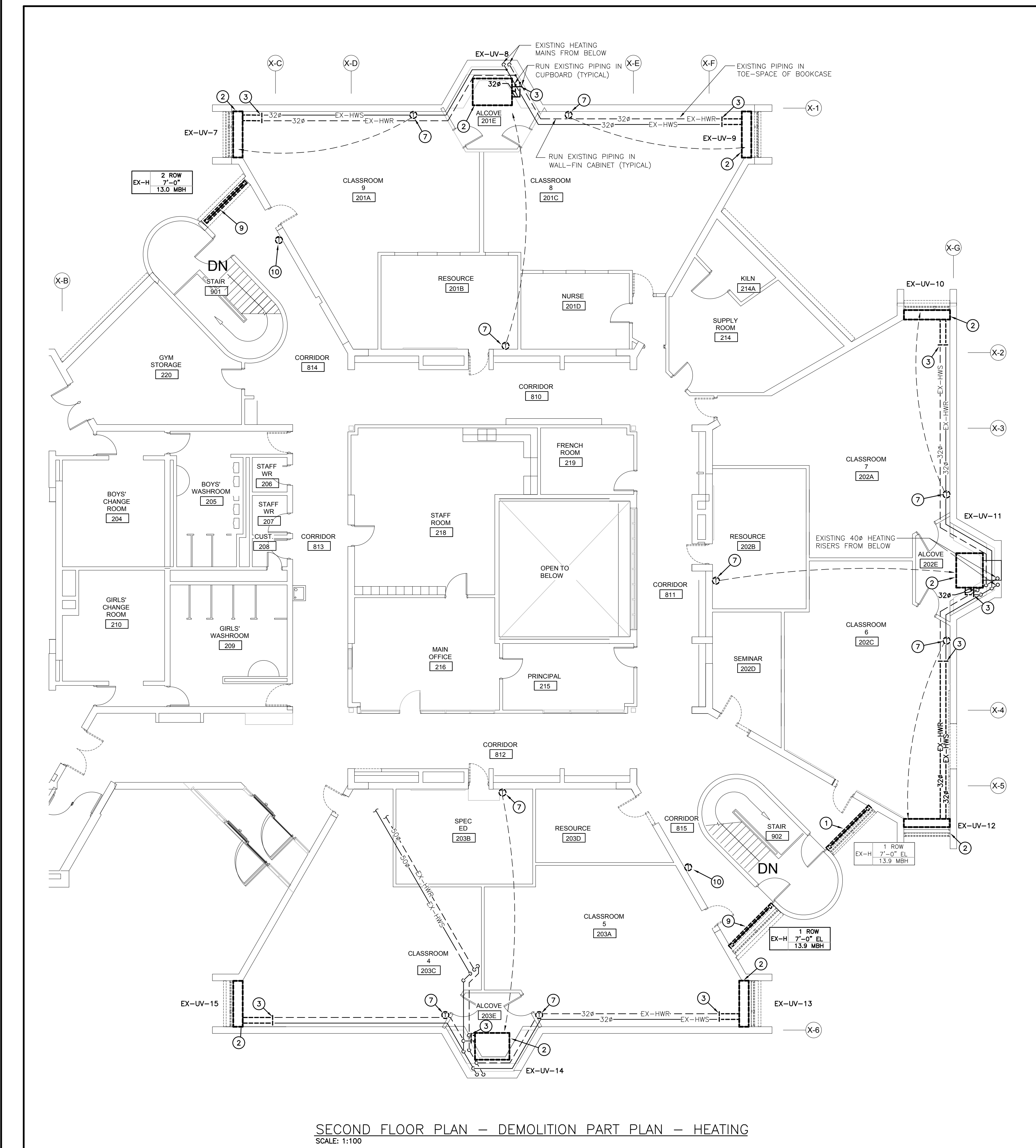
SECOND FLOOR PLAN - DEMOLITION HEATING AND VENTILATION



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PRINT DATE	2022-12-06	REVIT FILE	T:\2019\1512102\Revit\RV1



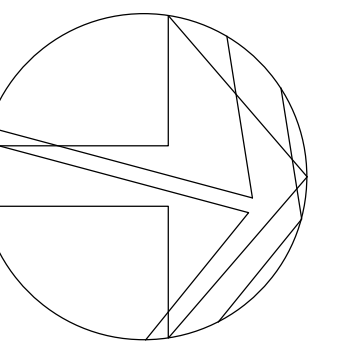
SECOND FLOOR PLAN - DEMOLITION PART PLAN - VENTILATION
SCALE: 1:100



SECOND FLOOR PLAN - DEMOLITION PART PLAN - HEATING
SCALE: 1:100

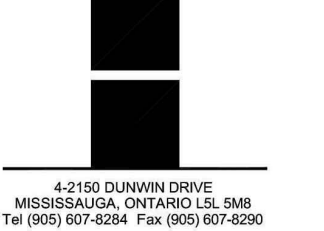
- GENERAL DEMOLITION NOTES**
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
 - EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS 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.

- SPECIFIC DEMOLITION NOTES**
- EXISTING RADIATION & ASSOCIATED VALVES AND CONTROLS TO BE REMOVED COMPLETE.
 - EXISTING UNIT VENTILATOR TO BE REMOVED COMPLETE.
 - EXISTING HWS&R PIPING TO BE CUT AND REMOVED BEYOND COMPLETE. EXISTING ISOLATION VALVES, BALANCING VALVE, TCV, STRAINER, UNION & CONTROL WIRING TO BE REMOVED AND REPLACED COMPLETE.
 - EXISTING LOUVER TO BE REMOVED COMPLETE. MODIFY EXISTING OPEN TO SUIT NEW LOUVER.
 - EXISTING HWS&R PIPING TO BE CUT, CAPPED AND REMOVED COMPLETE.
 - EXISTING LOUVER TO BE REMOVED COMPLETE.
 - EXISTING THERMOSTAT TO REMAIN AND RECONNECTED TO NEW UNIT VENTILATOR/FCV.
 - EXISTING DUCTWORK TO BE CUT AND REMOVED COMPLETE.
 - RADIATION TO BE TEMPORARILY REM



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 fitting 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 this drawing. © 2022 DEI & Associates Inc.

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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

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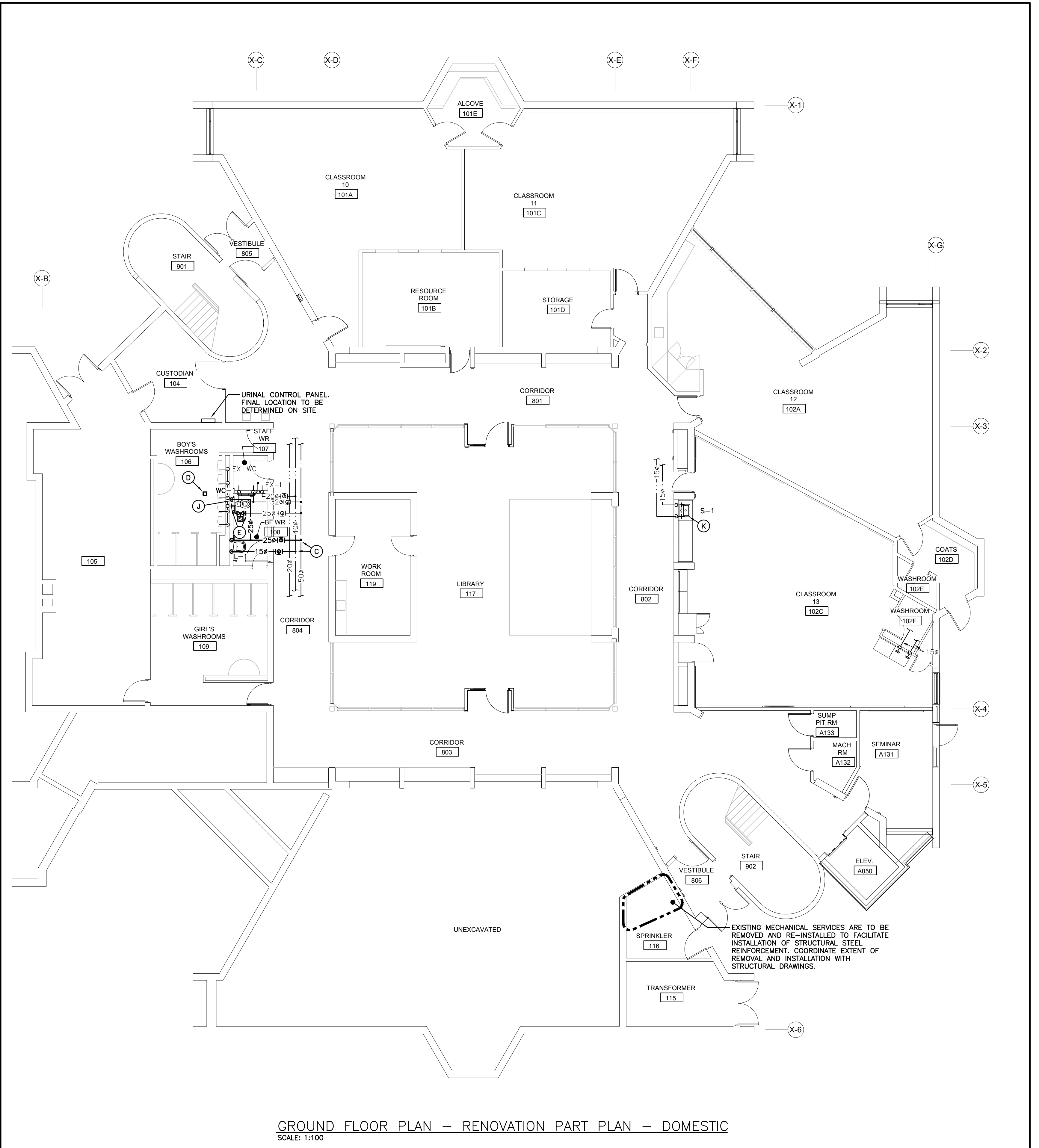


GROUND FLOOR PLAN - RENOVATION DRAINAGE AND DOMESTIC

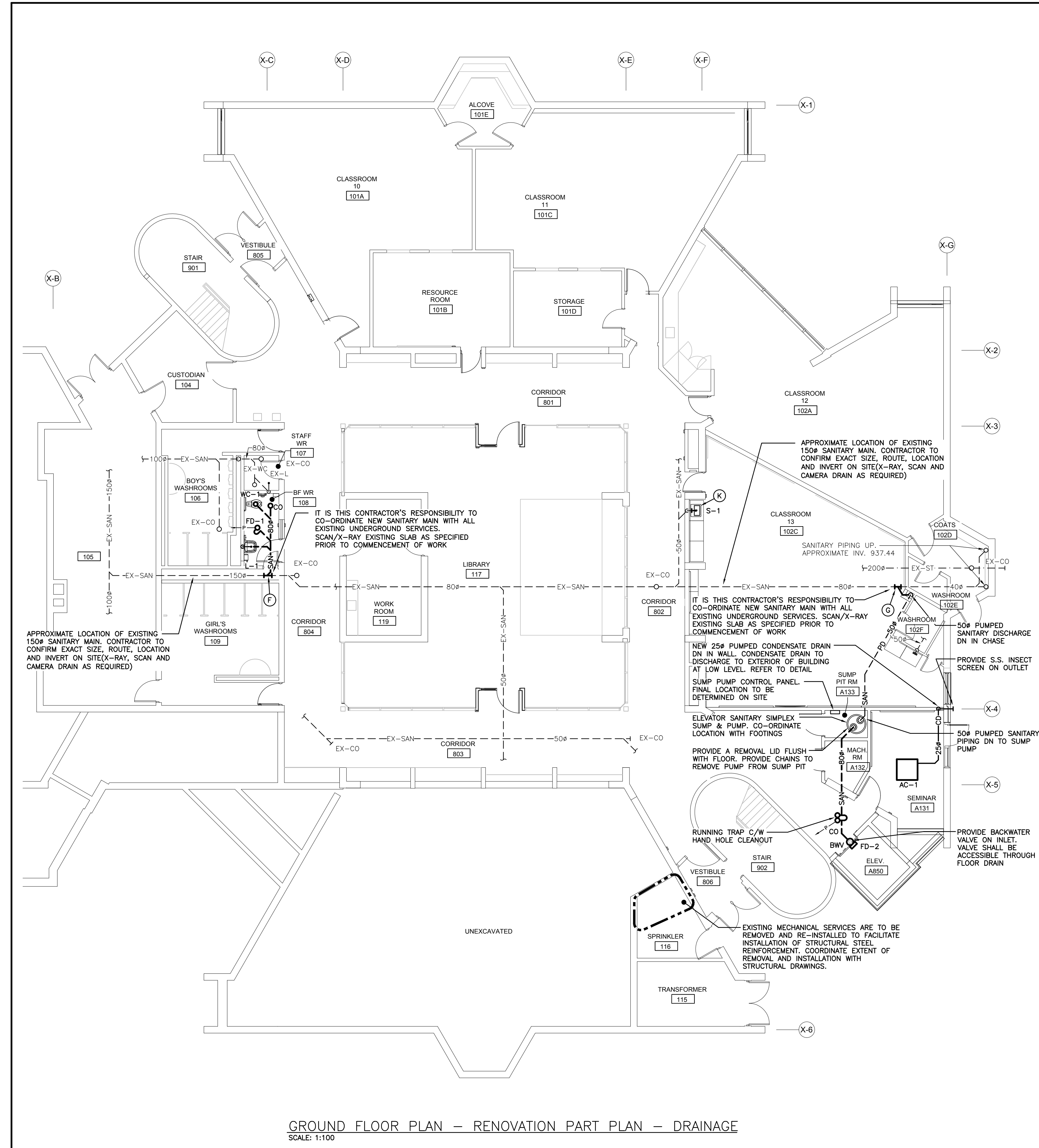


55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-795-3555
Website: deiconsultants.ca
Project Number: 21118

SCALE	PROJECT
As indicated	20118
DATE	NOVEMBER 2022
DRAWN	DRAWING
CHECKED	SO
PRINT DATE	2022-12-06
REVIT FILE	T:\2019\15121102\Revit.RVT



GROUND FLOOR PLAN - RENOVATION PART PLAN - DOMESTIC
SCALE: 1:100



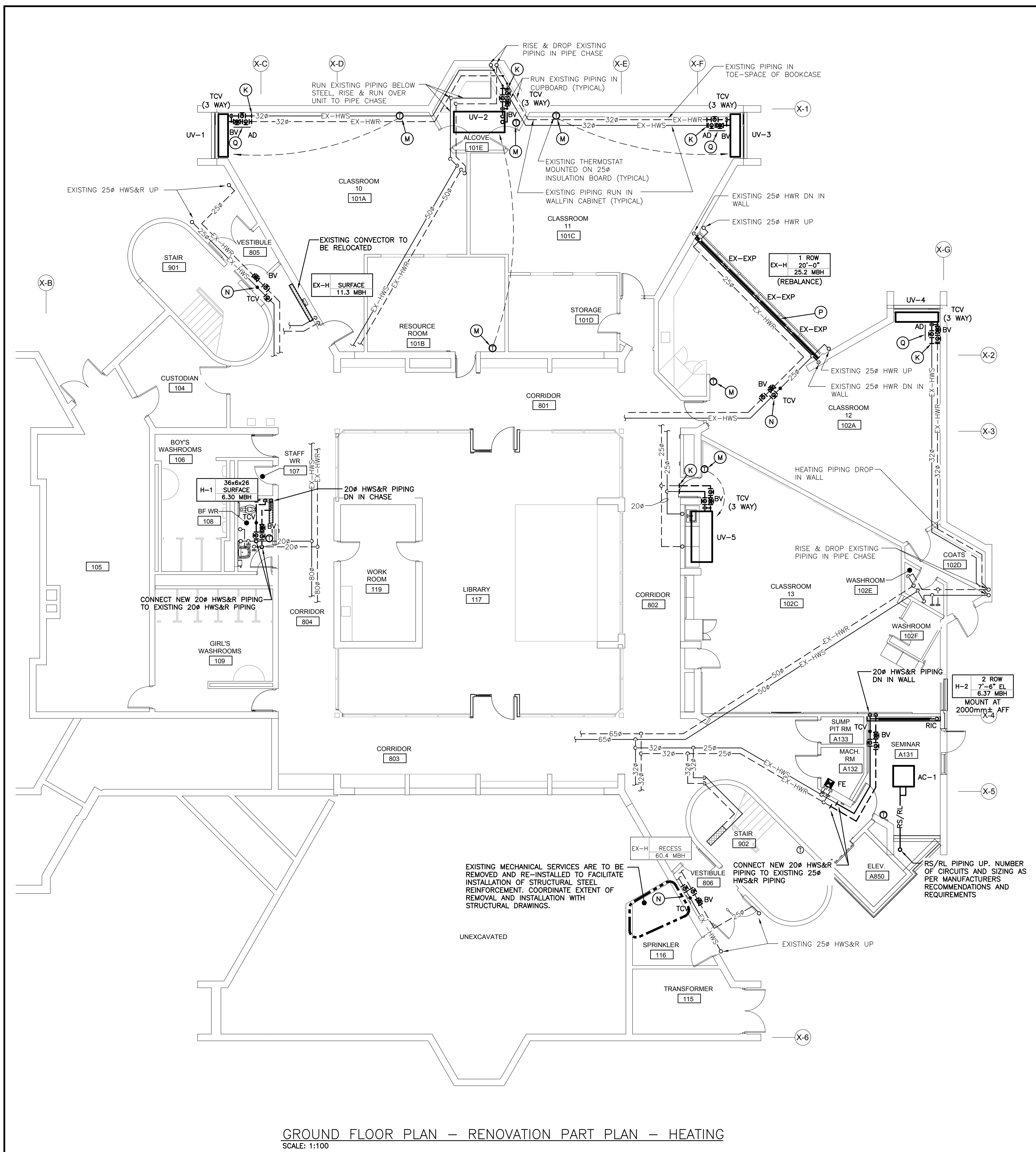
GROUND FLOOR PLAN - RENOVATION PART PLAN - DRAINAGE
SCALE: 1:100

GENERAL RENOVATION NOTES

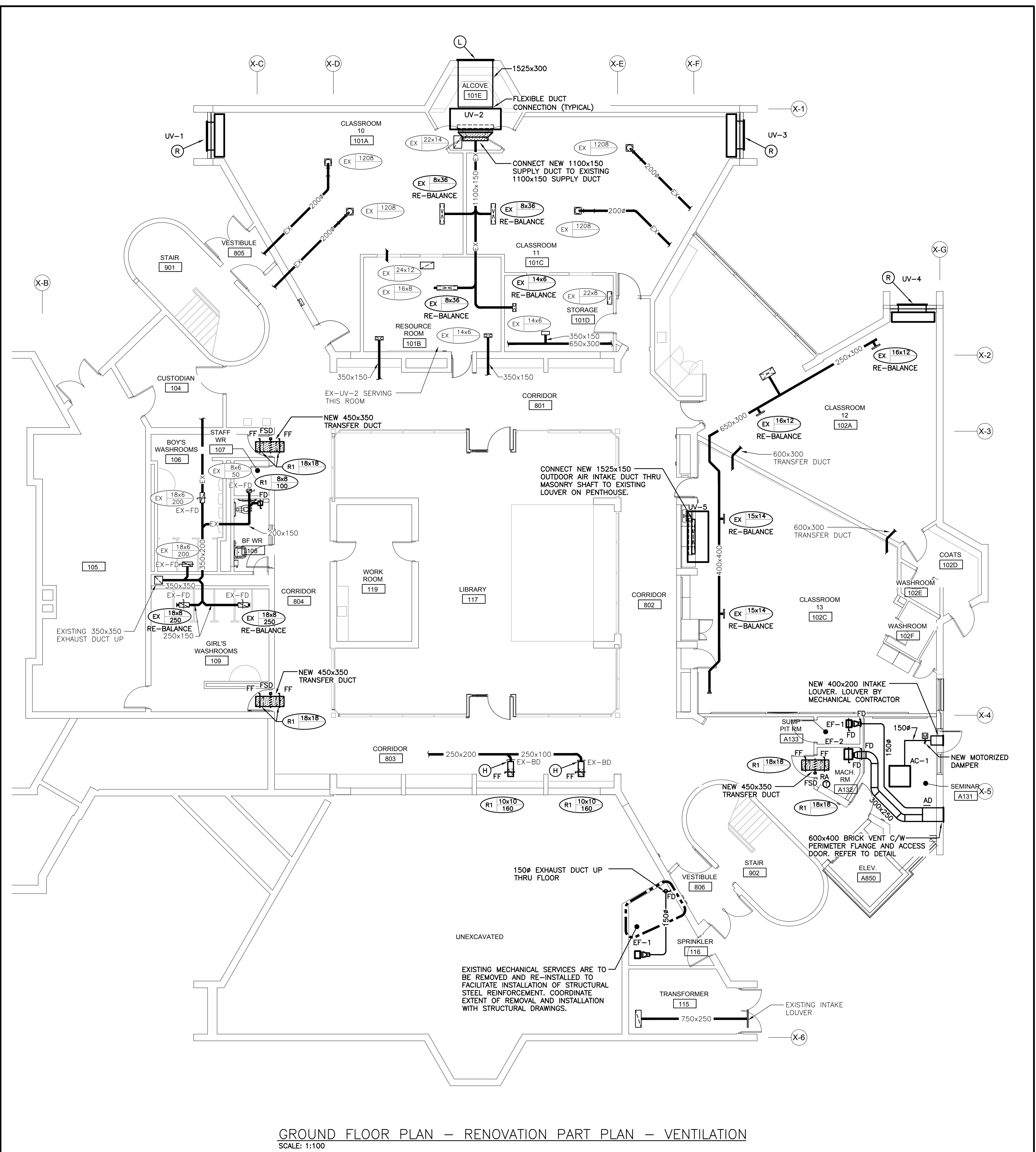
- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'-0" IN EACH DIRECTION.
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE 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 LOCATIONS 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.

SPECIFIC RENOVATION NOTES

- A. CONNECT NEW 20# HWS&R PIPING TO EXISTING 20# HWS&R PIPING.
- B. CONNECT NEW RETURN GRILLE TO EXISTING DUCTWORK.
- C. CONNECT NEW 25# CW AND 15# HW PIPING TO EXISTING 50# CW AND 20# HW PIPING.
- D. URINAL SENSOR MOUNTED IN CEILING.
- E. CONNECT NEW 25# CW PIPING TO EXISTING 25# CW PIPING. PROVIDE NEW SOLENOID VALVE & VALVING AS PER URINAL FLUSHING DETAIL.
- F. CONNECT NEW 80# SANITARY PIPING TO EXISTING 150# SANITARY PIPING.
- G. CONNECT NEW 50# SANITARY PIPING TO EXISTING 80# SANITARY PIPING.
- H. CONNECT NEW 250x100 RETURN DUCT TO EXISTING 250x100 RETURN DUCT.
- J. NEW 25# CW DOWN IN CHASE. BREAK INTO EXISTING WALL TO FIT PIPING.
- K. CONNECT NEW SINK TO EXISTING 40# SANITARY AND 15# H&CW PIPING.



GROUND FLOOR PLAN – RENOVATION PART PLAN – HEATING
SCALE: 1:100



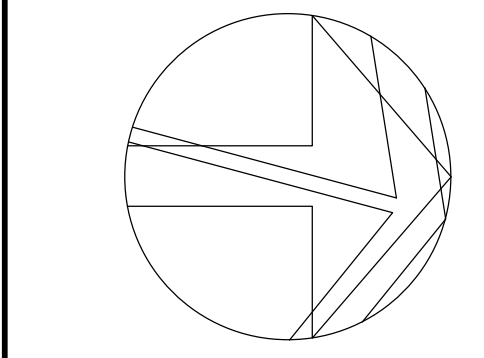
GROUND FLOOR PLAN – RENOVATION PART PLAN – VENTILATION
SCALE: 1:100

GENERAL RENOVATION NOTES

- CLEAN AND VACUUM EXISTING DUCTWORK AS SPECIFIED.
- REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.

SPECIFIC RENOVATION NOTES

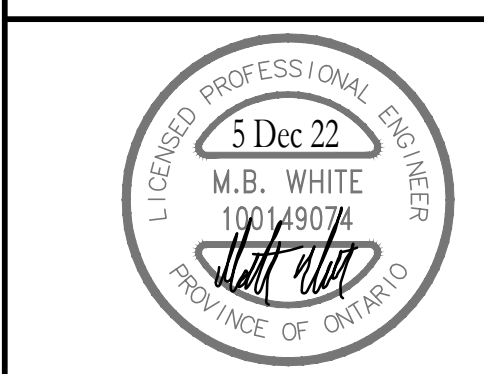
- A. CONNECT NEW 20# HWS&R PIPING TO EXISTING 20# HWS&R PIPING.
- B. CONNECT NEW RETURN GRILLE TO EXISTING DUCTWORK.
- C. CONNECT NEW 25# CW AND 15# HW PIPING TO EXISTING 50# CW AND 20# HW PIPING.
- D. URINAL SENSOR MOUNTED IN CEILING.
- E. CONNECT NEW 25# CW PIPING TO EXISTING 25# CW PIPING.
- F. CONNECT NEW 80# SANITARY PIPING TO EXISTING 150# SANITARY PIPING.
- G. CONNECT NEW 50# SANITARY PIPING TO EXISTING 80# SANITARY PIPING.
- H. CONNECT NEW 250x100 RETURN DUCT TO EXISTING 250x100 RETURN DUCT.
- J. NEW 25# CW DOWN IN CHASE. BREAK INTO EXISTING WALL TO FIT PIPING.
- K. CONNECT NEW 32# HWS&R PIPING TO EXISTING. CONNECT TO NEW UNIT VENTILATOR C/W NEW ISOLATION BALL VALVES, BALANCING VALVE, 3-WAY TCV, UNIONS AND STRAINER.
- L. PROVIDE NEW 1525x300 INTAKE LOUVER C/W HEAVY DUTY LATTICE GRILLE. MODIFY EXISTING OPENING TO SUIT. PROVIDE NEW LINTEL (REFER TO STRUCTURAL DRAWINGS).
- M. RECONNECT EXISTING THERMOSTAT TO NEW UNIT VENTILATOR/TCV.
- N. INSTALL NEW ISOLATION BALL VALVES, BALANCING VALVE, TCV UNION AND STRAINER.
- P. REINSTALL EXISTING RADIATION THE SAME. REPLACE ALL DAMAGED PARTS AS INDICATED IN SPECIFICATION.
- Q. INSTALL NEW ACCESS DOOR IN MILLWORK/METAL SHROUD. ENSURE ACCESS DOOR IS FULLY ACCESSIBLE TO ALL VALVES. REMOVE/MODIFY PIPE SHROUD TO SUIT NEW PIPING INSTALLATION AS REQUIRED.
- R. PROVIDE NEW 1220x275 INTAKE LOUVER. MODIFY EXISTING OPENING TO SUIT. PROVIDE NEW LINTEL (REFER TO STRUCTURAL DRAWING).



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 services 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. 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. © 2022 DEI & Associates Inc.



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2	ISSUED FOR TENDER	12/2/22
1	ISSUED FOR TENDER REVIEW	11/7/22



CENTRAL PUBLIC SCHOOL
- ACCESSIBILITY
UPGRADE

175 Main St. Cambridge,
ON N1R 1W5



GROUND FLOOR
PLAN - RENOVATION
HEATING AND
VENTILATION



SCALE	As indicated	PROJECT	20118
DATE	NOVEMBER 2022	DRAWING	M06
DRAWN	NT	PRINT DATE	2022-12-06
CHECKED	SO	REVIT FILE	T:\2019\1512102\Revit\VT

Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description
L	COOPER CAT. #H610010-HM60525-840-61MDHWF LITHONIA CAT. #LDM6 SERIES SIGNIFY CAT. #6RN SERIES	120V	LED 1000 LUMENS 4000K 10W	RECESSED	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, 50% SPECTRULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.
L1	METALLUX CAT. #24C22-55-S-UNV-L840-CD-1 LITHONIA CAT. #25L14 6X ADM MKOLT G21 LP840 SIGNIFY CAT. #2EY65L840-4-DS-UNV-DIM	120	51W LED 557lm 4000K	RECESSED	2'x4' (610mmx1220mm) RECESSED SHALLOW VOLUMETRIC LED FIXTURE C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER. FIXTURE MUST HAVE A FIRE RATED TROFFER COVER INSTALLED AS NOTED IN RENOVATION DRAWING AND FIXTURE MUST BE IC (INSULATION CONTACT) RATED (DUE TO THE FIRE RATED COVER).
L2	COOPER CAT. #24FP4740C LITHONIA CAT. #EPANL2X4 SERIES SIGNIFY CAT. #2PZ2 SERIES	120V	LED 4556 LUMENS 4000K 41W	SURFACE	2'x4' (610mmx1220mm) LED FLAT PANEL FIXTURE C/W WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, STANDARD WHITE FINISH AND SURFACE MOUNTING KIT.
L3	COOPER CAT. #14FP4240C LITHONIA CAT. #EPANL1X4 SERIES SIGNIFY CAT. #1PZ2 SERIES	120V	LED 4296 LUMENS 4000K 39W	SURFACE	1'x4' (305mmx1220mm) LED FLAT PANEL FIXTURE C/W WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, STANDARD WHITE FINISH AND SURFACE MOUNTING KIT.
L4	COOPER CAT. #4NLED-145-445L-LW-LN-L840-CD-1-1W-NC/SNF-4FT LITHONIA CAT. #CSS-148-400LM-MOLT-40K-80CR/MG2SS SIGNIFY CAT. #FSS445L840-LN-DIM C/W FSSM4 & FRR-126	120	38W LED 4500lm 4000K	SURFACE	4' (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT WHERE REQUIRED, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD.
L5	30 LIGHTING CAT. #304PJ-DI-L750-L250-SB0-40K-UNV-DIM-FL-WH-60-10-C-8 AUGHT LIGHTING CAT. #ALD2ST SERIES AUG CAT. #BHDLED SERIES	120V	120W LED 2500lm LP PER FT 750m DN PER FT 4000K	SUSPENDED	8'x3.8" (2440mmx980mm) DIRECT/INDIRECT SUSPENDED LED FIXTURE C/W EXTRUDED ALUMINUM HOUSING, FLUSH SATIN ACRYLIC DIFFUSER LENS AND AIRCRAFT CABLE SUSPENSION. COLOUR TO BE SELECTED BY ARCHITECT.
L6	JUNO CAT. (TRACK) #TRAC-LITES R SERIES JUNO CAT. (HEADS) #R60S-35C-80CR-POIM-FL-COL	120V	LED 800 LUMENS 3500K 10W PER HEAD	SURFACE	LED TRACK LIGHTING FIXTURE C/W DIE CAST ALUMINUM CONSTRUCTION, ADJUSTABLE ARM AND FLOOD DISTRIBUTION C/W LOW PROFILE SINGLE CIRCUIT TRACK SYSTEM WITH ALL CONNECTORS/FITTINGS/COMPONENTS FOR A COMPLETE INSTALLATION. STANDARD COLOUR TO BE SELECTED BY ARCHITECT. QUANTITY OF HEADS PER PLANS.
EXIT LIGHTS (SELF-POWERED)	BEGHELLI QRMSFLUMWOLR LUMACELL CAT. #LAW5 STANPRO CAT. #RMLOWHIB AMLITE CAT. #PALUMWHTBAT	120/120V	LED 2.5 WATT (MAX) 3C 2 WATT (MAX) DC	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 30 MINUTES OF EMERGENCY POWER
EMERG. BATT.	BEGHELLI TEMPESTA SERIES: EM-1 #1A-LED-EM-120-S-90SP (SURFACE CEILING MOUNT) OR APPROVED EQUALS BY: LUMACELL STANPRO AMLIGHT CAT. #P1 SERIES	120V	N/A	SURFACE	VANDAL RESISTANT LONG LIFE, SEALED BATTERY. C/W 17W LED MODULES. POLYCARBONATE BODY AND 90 MINUTE BATTERY DURATION

NOTES:
 ① 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.
 ② EQUAL MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED FIXTURE BY EMAIL WITH CONSULTANTS OFFICE A MINIMUM OF 10 DAYS PRIOR TO TENDER CLOSE.
 ③ FIXTURE MUST HAVE A FIRE RATED TROFFER COVER INSTALLED AS NOTED ON RENOVATION DRAWING AND FIXTURE MUST BE IC (INSULATION CONTACT) RATED (DUE TO THE FIRE RATED COVER).

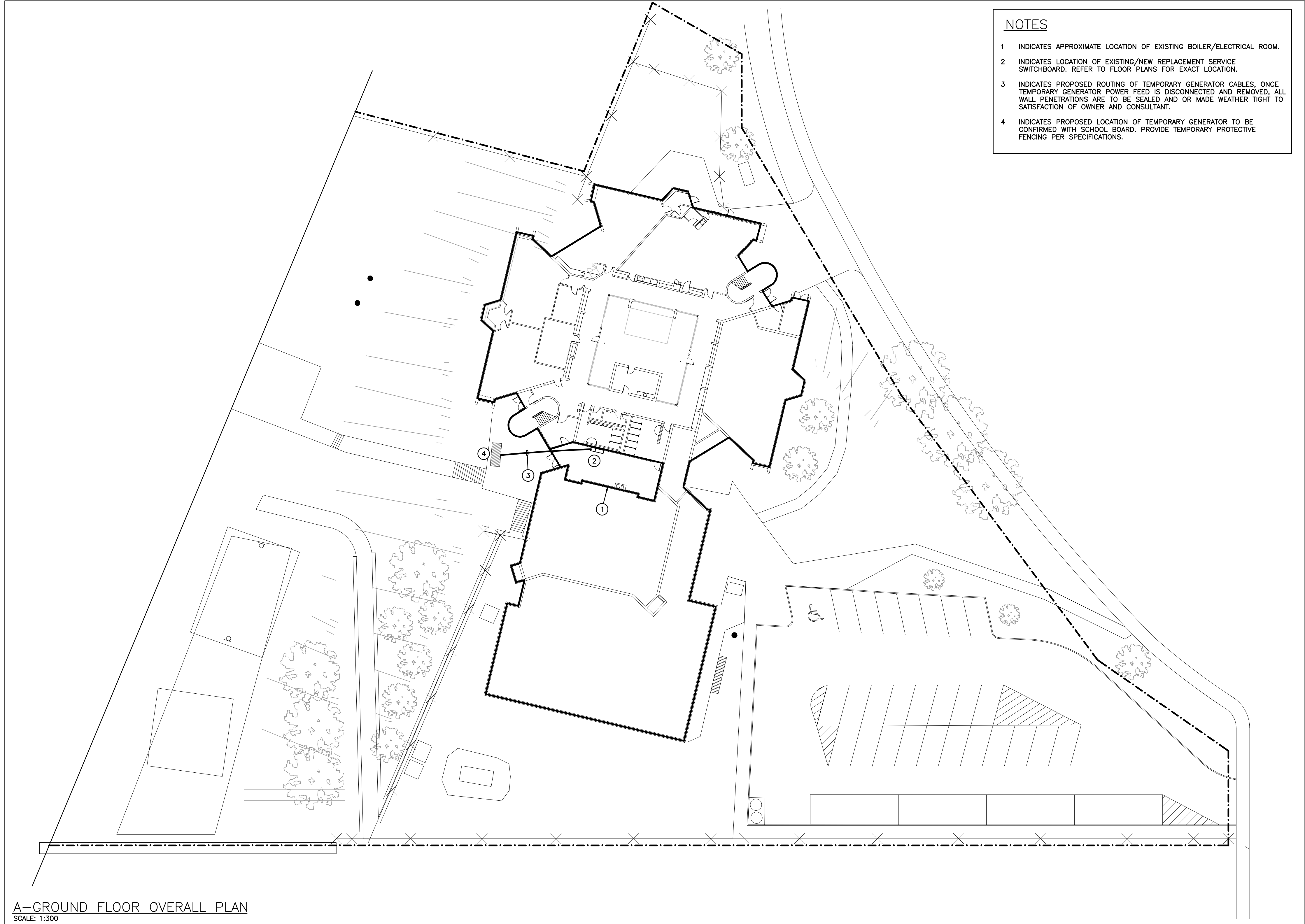
EQUIPMENT WIRING SCHEDULE										E-ELECTRICAL M-MECHANICAL O-OTHERS																					
Electrical Item	Description	Provided By	Voltage	Size	Phase	Starters	Control Device	Isolating Device	Remote Items	Interlock	Remarks																				
						Manual	Combination	Variable Frequency Drive	Hand/Off/Auto	On/Off Selector	High/Low/Off	Plug Light	Disconnect	WP	Back/Fuse	Switch/Device	Wired By	Thermostat	Thermostat	Interval Time	Speed Control	Motor Rating	Start Voltage	Control Panel	Wired By	Wired By	Interlock To	Interlock By	Description		
1	HORIZONTAL UNIT VENTILATOR (UV-1)	M	120	6.3 MCA	1																								CLASSROOM 10	①	
2	CEILING MID-UNIT VENTILATOR (UV-2)	M	120	6.3 MCA	1																								ALCOVE 101E	①	
3	HORIZONTAL UNIT VENTILATOR (UV-3)	M	120	6.3 MCA	1																								CLASSROOM 11	①	
4	HORIZONTAL UNIT VENTILATOR (UV-4)	M	120	6.3 MCA	1																								CLASSROOM 12	①	
5	CEILING MID-UNIT VENTILATOR (UV-5)	M	120	6.3 MCA	1																								CLASSROOM 13	①	
6	HORIZONTAL UNIT VENTILATOR (UV-6)	M	120	6.3 MCA	1																								CLASSROOM 9	①	
7	HORIZONTAL UNIT VENTILATOR (UV-7)	M	120	6.3 MCA	1																									ALCOVE 201E	①
8	CEILING MID-UNIT VENTILATOR (UV-8)	M	120	6.3 MCA	1																								CLASSROOM 8	①	
9	HORIZONTAL UNIT VENTILATOR (UV-9)	M	120	6.3 MCA	1																									CLASSROOM 7	①
10	HORIZONTAL UNIT VENTILATOR (UV-10)	M	120	6.3 MCA	1																									ALCOVE 202E	①
11	CEILING MID-UNIT VENTILATOR (UV-11)	M	120	6.3 MCA	1																									CLASSROOM 6	①
12	HORIZONTAL UNIT VENTILATOR (UV-12)	M	120	6.3 MCA	1																									CLASSROOM 5	①
13	HORIZONTAL UNIT VENTILATOR (UV-13)	M	120	6.3 MCA	1																									ALCOVE 203E	①
14	CEILING MID-UNIT VENTILATOR (UV-14)	M	120	6.3 MCA	1																									CLASSROOM 4	①
15	EXHAUST FAN EF-1	M	120	FHP	1								E	E	E																
16	EXHAUST FAN EF-2	M	120	FHP	1								E	E	E																
17	CEILING CASSETTE (AC-1)	M	120	1.0 MCA	1								E	E	E	M													18	M	SEMINAR A131
18	CONDENSING UNIT (CU-1)	M	120	0.1 MCA	1								E	E	E														17	M	
19	URINAL CONTROL PANEL	M	120	FHP	1								E	E	E																
20	ELEVATOR SIMPLEX PUMP	M	208	1/2 HP	3								E	E	E									M	M/E	M				WIRE PUMP AND FLOATS THRU CONTROL PANEL. PROVIDE RECEPTACLE FOR HIGH LEVEL ALARM	

NOTES:
 1. INDICATES REPLACEMENT UV HAVING SIMILAR POWER REQUIREMENTS TO DEMOLISHED UNIT. CONNECT TO EXISTING CIRCUIT OF DEMOLISHED UNIT.

ELECTRICAL SYMBOLS		NOTE: ALL SYMBOLS MAY NOT BE USED	
LIGHTING		POWER	
☒	LIGHT FIXTURE TYPE AS INDICATED	Ⓜ	WALL MOUNTED RECEPTACLE (15A-120V)
☒	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE	Ⓜ	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
☒	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE	Ⓜ	DIRECT CONNECTION
☒	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE	☒	JUNCTION BOX
☒	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (20A-X INDICATES BATTERY UNIT TYPE)	☒	PANEL AS INDICATED
☒	SINGLE POLE SWITCH (3-3 WAY, 4-4 WAY, PULL/TOGGLE LIGHT, K-W/LED, DM=DIMMER, M=MOTOR RATED)	☒	DESTRATIFICATION FAN
☒	OCCUPANCY SENSOR (PASSIVE)	☒	SURFACE RACEWAY C/W DEVICES AS NOTED (REFER TO SPECIFICATION)
☒	DIGITAL CEILING MOUNTED MOTION SENSOR	☒	HAND DRYER
☒	DIGITAL ROOM CONTROLLER	☒	EXHAUST FAN
☒	DIGITAL WALL STATION, 'X' DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG	☒	TRANSFORMER
GENERAL			
☒	LINE VOLTAGE RELAY PACK	ER	INDICATES EXISTING ITEM TO REMAIN
FIRE ALARM			
☒	SMOKE DETECTOR (RL=RELAY BASE)	D	INDICATES EXISTING ITEM TO BE DELETED
☒	PULLSTATION	R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
☒	ALARM BELL (A, B = SIGNAL CIRCUIT)	GF	GROUND FAULT
COMMUNICATIONS			
☒	SINGLE COMPUTER OUTLET ROUGHIN C/W BLANK FACE PLATE AND 1" (27mm) C TO HANGER SYSTEM IN NEAREST CORRIDOR CEILING SPACE.	CLG	CEILING MOUNTED
☒	COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET C/W BLANK FACE PLATE AND 1" (27mm) C TO HANGER SYSTEM IN NEAREST CORRIDOR CEILING SPACE.	X	NOTE INDICATOR
☒	CEILING MOUNTED SPEAKER	Ⓜ	MECHANICAL ITEM NO.
☒	TOPCAT ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION/SPEAKER		
☒	HDMI AND 3.5mm AUDIO INPUTS (N SINGLE GANG BOX)		

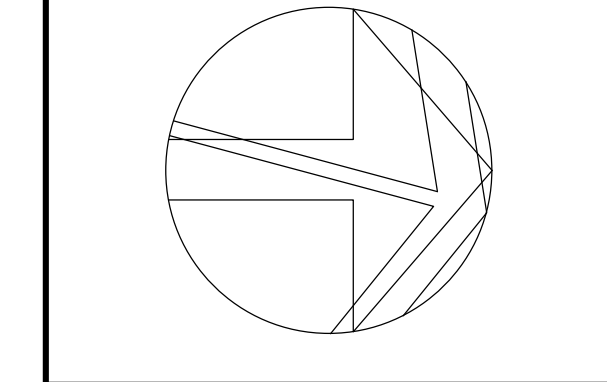
NEW PANEL 'LPA'		* INDICATES 33ma GROUND FAULT STYLE BREAKER	
VOLTAGE: 120/208 VOLTS PHASE: 3P, 4W MANS: 222A NEUTRAL BUS: FULL MOUNTING: SURFACE			
HEATING PLANT LIGHTS	15A 1	2	15A GIRLS & BOYS WR LIGHTS
CUSTOMER & STORAGE LIGHTS	15A 3	4	15A PLANNOR LIT & LIVE WIRE FOR REC.
CORRIDOR REC. / LIGHTS	15A 5	6	15A 101A LIGHTS
CORRIDOR REC. / LIGHTS	15A 7	8	15A SPARE
CORRIDOR REC. / LIGHTS	15A 9	10	15A SPARE
EXISTING LOAD	15A 11	12	15A 101C LIGHTS
101B/D LIGHTS	15A 13	14	15A 101C SPARE
101A/B REC.	15A 15	16	15A 101C REC.
AIR FAN & REMOTE XFORMER	15A 17	18	15A REFERENCE LIGHTS
REF. LIGHTS & CABLE REC.	15A 19	20	15A STAIR NO.1 LIGHTS
101A REC.	15A 21	22	15A STAIR NO.1 UNIT HEATER
101A REC. & 101C UNIT HEATER	15A 23	24	15A HOT WATER CIRCULATION PUMP
101B UNIT HEATER #10	15A 25	26	15A CORRIDOR REC. / PHONE REC.
101C REC.	15A 27	28	15A BOYS WR POWER SINK/EMERG LIGHT
EMERGENCY LIGHTS	15A 29	30	15A BOYS & GIRLS & STORAGE REC.
LIBRARY COLUMN REC.	15A 31	32	15A GIRLS WR REC. / & POWER SINK
JIFFY POLE ROOM 101B	15A 33	34	15A LIBRARY
SECURITY	15A 35	36	15A LIBRARY
EXISTING LOAD	15A 37	38	15A EXISTING LOAD
LIBRARY DOOR OPERATOR	15A 39	40	3P
LIBRARY DOOR OPERATOR	15A 41	42	15A EF-1 SPRINKLER ROOM
VESTIBULE DOOR OPERATOR	15A 43	44	15A EF-2 ELEVATOR MACHINE ROOM
ELEVATOR CAB LIGHTING DISC.	15A 45	46	15A ELEVATOR SUMP PIT RM REC.
ELEVATOR PIT REC./LIGHT	15A 47	48	15A BF WR 108 DOOR OPERATOR
ELEVATOR MACH./SUMP RM. LIT.	15A 49	50	15A RESOURCE 101B DOOR OPERATOR
JURNAL TANK CP (CUST. 10A)	15A 51	52	15A BOYS/GIRLS WR FSD AT DOOR
SUMP PIT ROOM FSD AT DOOR	15A 53	54	15A PUMP HIGH LEVEL ALARM REC.
EF-1 SUMP PIT RM.	15A 55	56	15A ELEVATOR SIMPLEX PUMP
WASHROOM 106/109 DOOR HOLDERS	15A 57	58	3P
SPARE	20A 59	60	3P
SPARE	15A 61	62	15A ELEVATOR MACH. RN. REC.
SPARE	15A 63	64	15A SPARE
SPARE	65	66	SPACE
SPARE	67	68	SPACE
SPARE	69	70	SPACE
SPARE	71	72	SPACE

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000 A. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

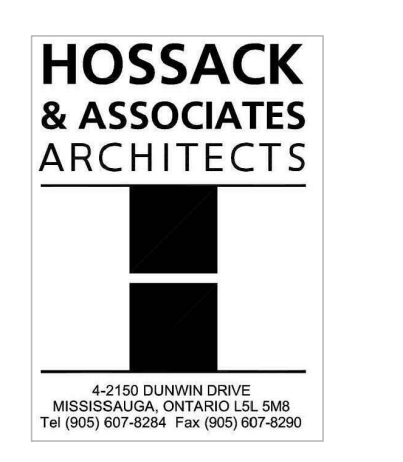


A-GROUND FLOOR OVERALL PLAN
SCALE: 1:300

NOTES
 1. INDICATES APPROXIMATE LOCATION OF EXISTING BOILER/ELECTRICAL ROOM.
 2. INDICATES LOCATION OF EXISTING/NEW REPLACEMENT SERVICE SWITCHBOARD. REFER TO FLOOR PLANS FOR EXACT LOCATION.
 3. INDICATES PROPOSED ROUTING OF TEMPORARY GENERATOR CABLES. ONCE TEMPORARY GENERATOR POWER FEED IS DISCONNECTED AND REMOVED, ALL WALL PENETRATIONS ARE TO BE SEALED AND OR MADE WEATHER TIGHT TO SATISFACTION OF OWNER AND CONSULTANT.
 4. INDICATES PROPOSED LOCATION OF TEMPORARY GENERATOR TO BE CONFIRMED WITH SCHOOL BOARD. PROVIDE TEMPORARY PROTECTIVE FENCING PER SPECIFICATIONS.



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1	ISSUED FOR TENDER REVIEW	11/7/22

Certificate of Practice # 4292

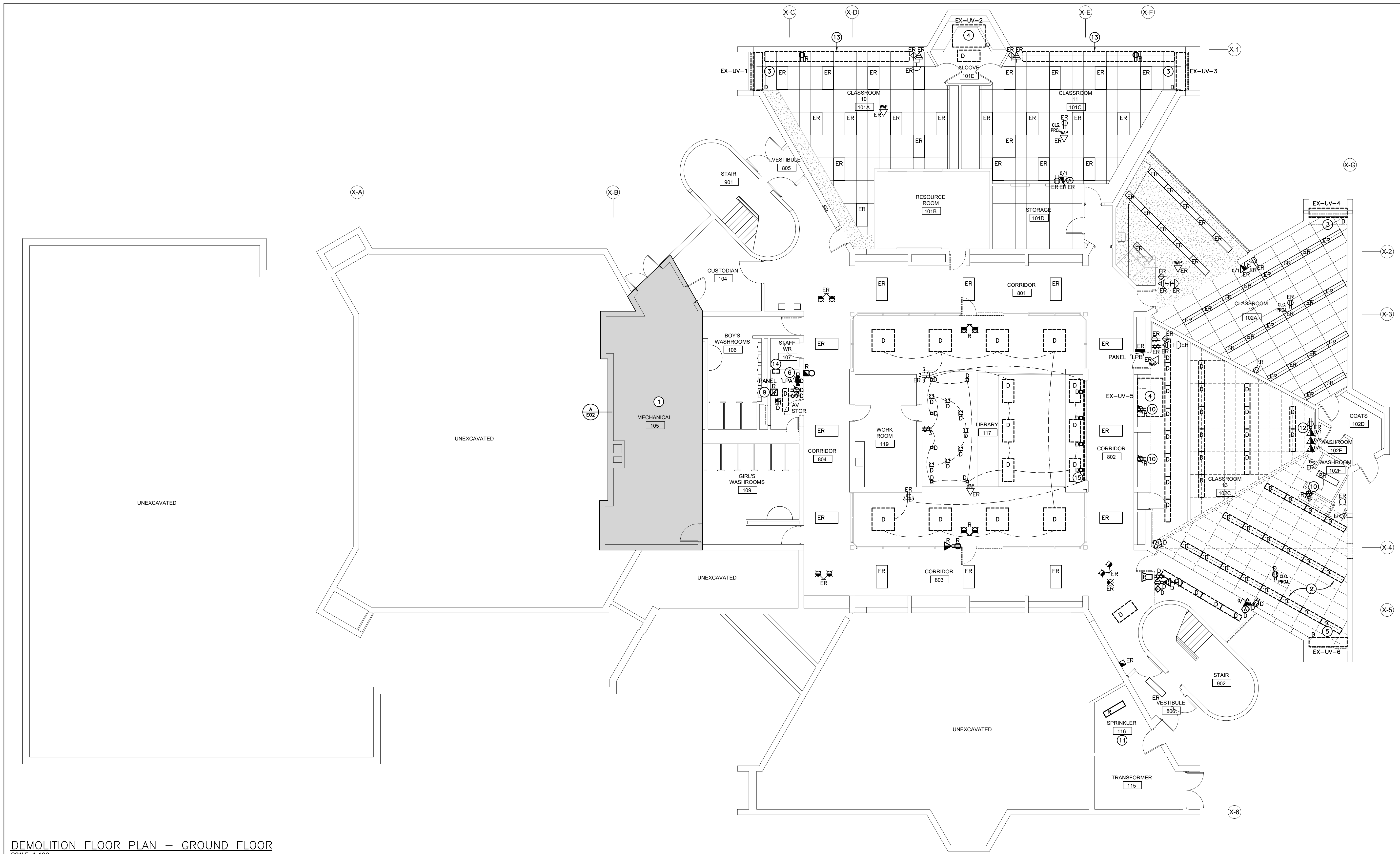
CENTRAL PUBLIC SCHOOL
 - ACCESSIBILITY
 UPGRADE
 175 Main St. Cambridge,
 ON N1R 1W5



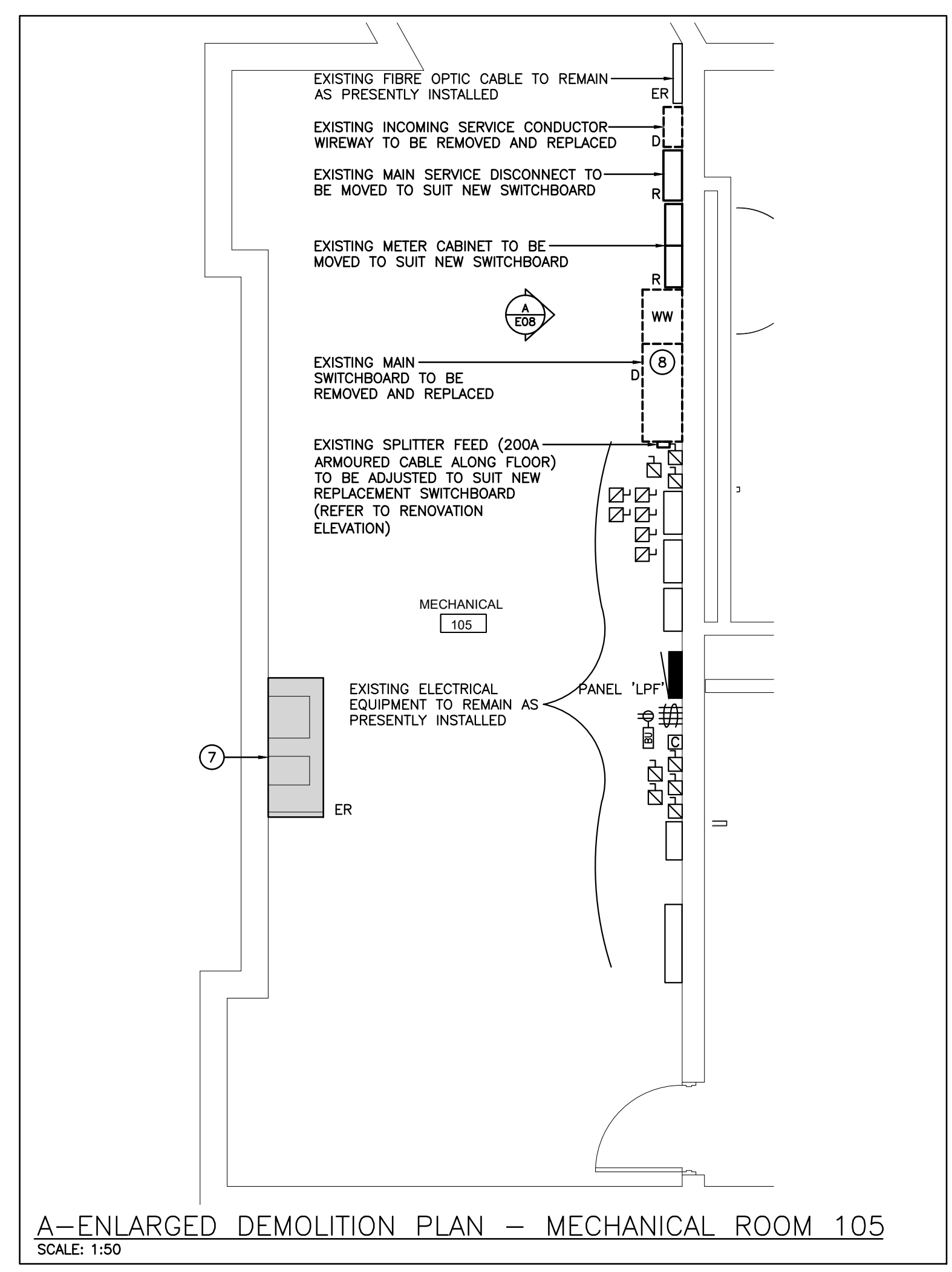
**SCHEDULES,
 LEGEND AND
 KEY PLAN**

55 Northland Road, Waterloo, ON N2V 1Y8
 Phone: 519-775-3555
 Website: deiconsultants.ca
 Project Number: 2118

SCALE	PROJECT
As indicated	20118
DATE	DECEMBER 2022
DRAWN	DRAWING
CHECKED	E01
PRINT DATE	2022-12-12
REVIT FILE	T:\2019\1512102\Revit.RVT



DEMOLITION FLOOR PLAN – GROUND FLOOR
SCALE: 1:100



A-ENLARGED DEMOLITION PLAN – MECHANICAL ROOM 105
SCALE: 1:50

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 INDICATES EXISTING SERVICE ROOM CONTAINING SCHOOL MAIN ELECTRICAL DISTRIBUTION EQUIPMENT. REFER TO ENLARGED DEMOLITION AND RENOVATION PLANS FOR WORK IN THIS AREA.
- 2 ALL EXISTING DEVICES IN AREA OF NEW ELEVATOR AND RENOVATED ROOMS TO BE REMOVED COMPLETE.
- 3 INDICATES EXISTING WALL MOUNTED UNIT VENTILATOR BEING REPLACED WITH NEW AT THIS LOCATION. DISCONNECT EXISTING AND RECONNECT NEW. COORDINATE WITH MECHANICAL.
- 4 INDICATES EXISTING CEILING MOUNTED UNIT VENTILATOR BEING REPLACED WITH NEW AT NEW LOCATION ADJACENT TO EXISTING. DISCONNECT EXISTING AND EXTEND CIRCUIT AND RECONNECT NEW. COORDINATE WITH MECHANICAL.
- 5 INDICATES EXISTING WALL MOUNTED UNIT VENTILATOR BEING REMOVED BY MECHANICAL. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE BREAKER AS SPARE.
- 6 INDICATES EXISTING PANEL BOARD 'LPA' AND ASSOCIATED LIGHTING RELAY ENCLOSURE AND CONTROLS TRANSFORMER PANEL TO BE REMOVED COMPLETE AND IS FED UNDERGROUND. RELAY ENCLOSURE AND CONTROLS TRANSFORMER TO BE RELOCATED PER RENOVATION PLAN AND DISTRIBUTION RISER.
- 7 INDICATES APPROXIMATE LOCATION OF SCHOOL COMMUNICATIONS EQUIPMENT TO REMAIN.
- 8 INDICATES EXISTING MAIN DISTRIBUTION SWITCHBOARD (SQUARE 'D' 120/208V 3PH 4W). TO BE REPLACED AS PER RENOVATION PLANS AND DISTRIBUTION RISER DIAGRAMS.
- 9 INDICATES URINAL TANK TIMELOCK TO BE RELOCATED. CONFIRM NEW LOCATION WITH MECHANICAL.
- 10 INDICATED RECEPTACLE TO BE RELOCATED UP TO SUIT HEIGHT OF NEW REPLACEMENT MILLWORK. REFER TO RENOVATION DRAWINGS.
- 11 WITHIN SPRINKLER ROOM RELOCATE EXISTING LIGHT FIXTURE AND CONDUITS TO SUIT NEW STRUCTURAL FRAMING. CONFIRM EXACT EXTENT OF WORK ON SITE AND WITH STRUCTURAL DRAWINGS.
- 12 INDICATES EXISTING POWER POLE TO REMAIN AS PRESENTLY INSTALLED.
- 13 IN THIS AREA BELOW WHITEBOARD/TACKBOARD THE EXISTING GYPSUM BOARD WILL BE REMOVED TO EXPOSE THE BLOCK WALLS WHICH WILL BE PAINTED BY OTHERS. THIS CONTRACTOR TO REMOVE AND REINSTALL ALL DEVICES AND SURFACE CONDUIT/RACEWAY TO SUIT REQUIRED WORK. CONTRACTOR TO DETERMINE FULL EXTENT OF WORK DURING SITE VISIT PRIOR TO TENDER.
- 14 INDICATES EXISTING SURFACE MOUNT FIRE ALARM ZONE JUNCTION PANEL (UNELCO) TO BE REMOVED AND REPLACED WITH FIRE ALARM JUNCTION IN ACCESSIBLE CEILING SPACE PER RENOVATION PLANS AND FIRE ALARM RISER DIAGRAM.
- 15 INDICATES WALL MOUNTED TRACK LIGHTING TO BE REMOVED AND REPLACED WITH NEW. REFER TO RENOVATION PLAN.

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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

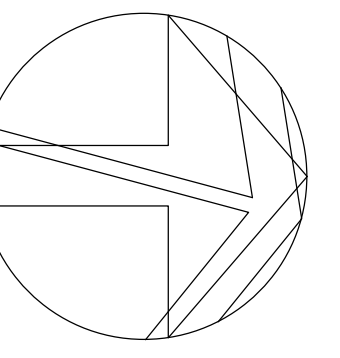
175 Main St. Cambridge, ON N1R 1W5



GROUND FLOOR DEMOLITION PLAN

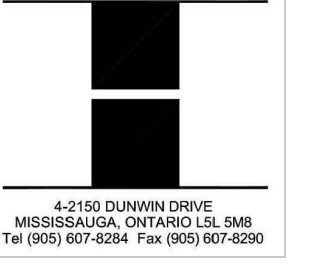


SCALE: As indicated	PROJECT: 20118
DATE: DECEMBER 2022	
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PRINT DATE: 2022-12-12	
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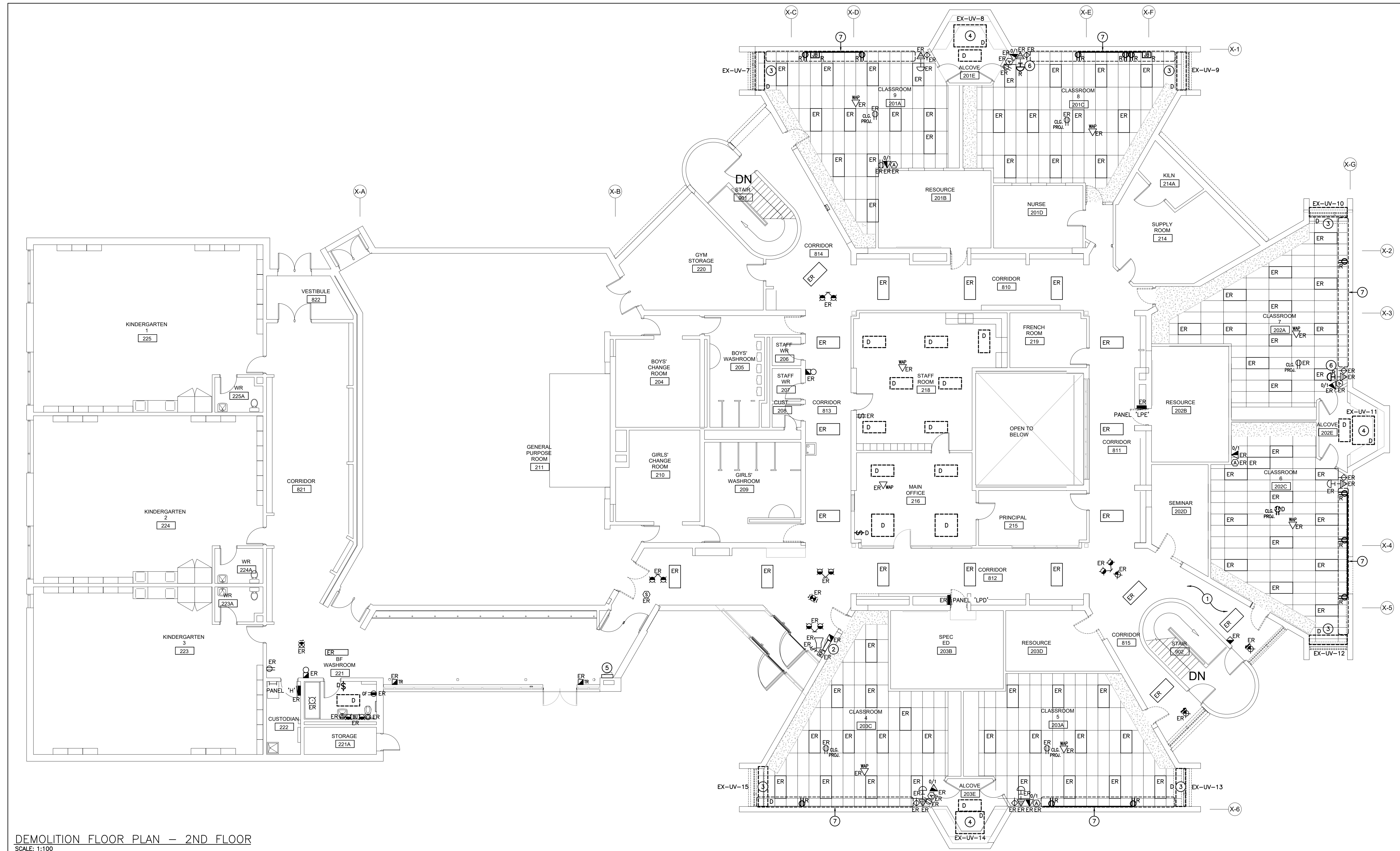


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DEMOLITION FLOOR PLAN – 2ND FLOOR
SCALE: 1:100

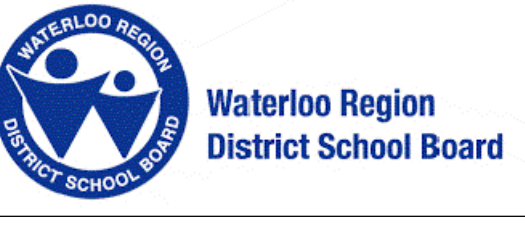
NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	12/12/22
1	ISSUED FOR TENDER REVIEW	11/17/22



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CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

175 Main St. Cambridge, ON N1R 1W5



SECOND FLOOR DEMOLITION PLAN

GENERAL DEMOLITION NOTES

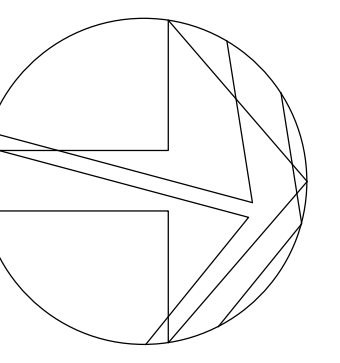
- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. 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 ALL EXISTING DEVICES IN AREA OF NEW ELEVATOR AND RENOVATED ROOMS TO BE REMOVED COMPLETE.
- 2 INDICATES LOCATION OF EXISTING EDWARDS EST QUICKSTART FIRE ALARM CONTROL PANEL TO REMAIN AS PRESENTLY INSTALLED. REFER TO RENOVATION PLAN AND FIRE ALARM RISER.
- 3 INDICATES EXISTING WALL MOUNTED UNIT VENTILATOR BEING REPLACED WITH NEW AT THIS LOCATION. DISCONNECT EXISTING AND RECONNECT NEW. COORDINATE WITH MECHANICAL.
- 4 INDICATES EXISTING CEILING MOUNTED UNIT VENTILATOR BEING REPLACED WITH NEW AT NEW LOCATION ADJACENT TO EXISTING. DISCONNECT EXISTING AND EXTEND CIRCUIT AND RECONNECT NEW. COORDINATE WITH MECHANICAL.
- 5 INDICATES LOCATION OF EXISTING EDWARDS EST FIRE ALARM ANNUNCIATOR PANEL TO REMAIN AS PRESENTLY INSTALLED.
- 6 INDICATES EXISTING BATTERY CLOCK TO BE RELOCATED TO BE CENTERED ABOVE NEARBY DOOR AS PER RENOVATION DRAWING.
- 7 IN THIS AREA BELOW WHITEBOARD/TACKBOARD THE EXISTING GYPSUM BOARD WILL BE REMOVED TO EXPOSE THE BLOCK WALLS WHICH WILL BE PAINTED BY OTHERS. THIS CONTRACTOR TO REMOVE AND REINSTALL ALL DEVICES AND SURFACE CONDUIT/RACEWAY TO SUIT REQUIRED WORK. CONTRACTOR TO DETERMINE FULL EXTENT OF WORK DURING SITE VISIT PRIOR TO TENDER.

SCALE	PROJECT
As indicated	20118
DATE	DECEMBER 2022
DRAWN	DRAWING
CHECKED	E03
PRINT DATE	2022-12-12
REVIT FILE	T:\2019\1512102\Revit.RVT

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Project Number: 21118



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1	ISSUED FOR TENDER REVIEW	11/17/22



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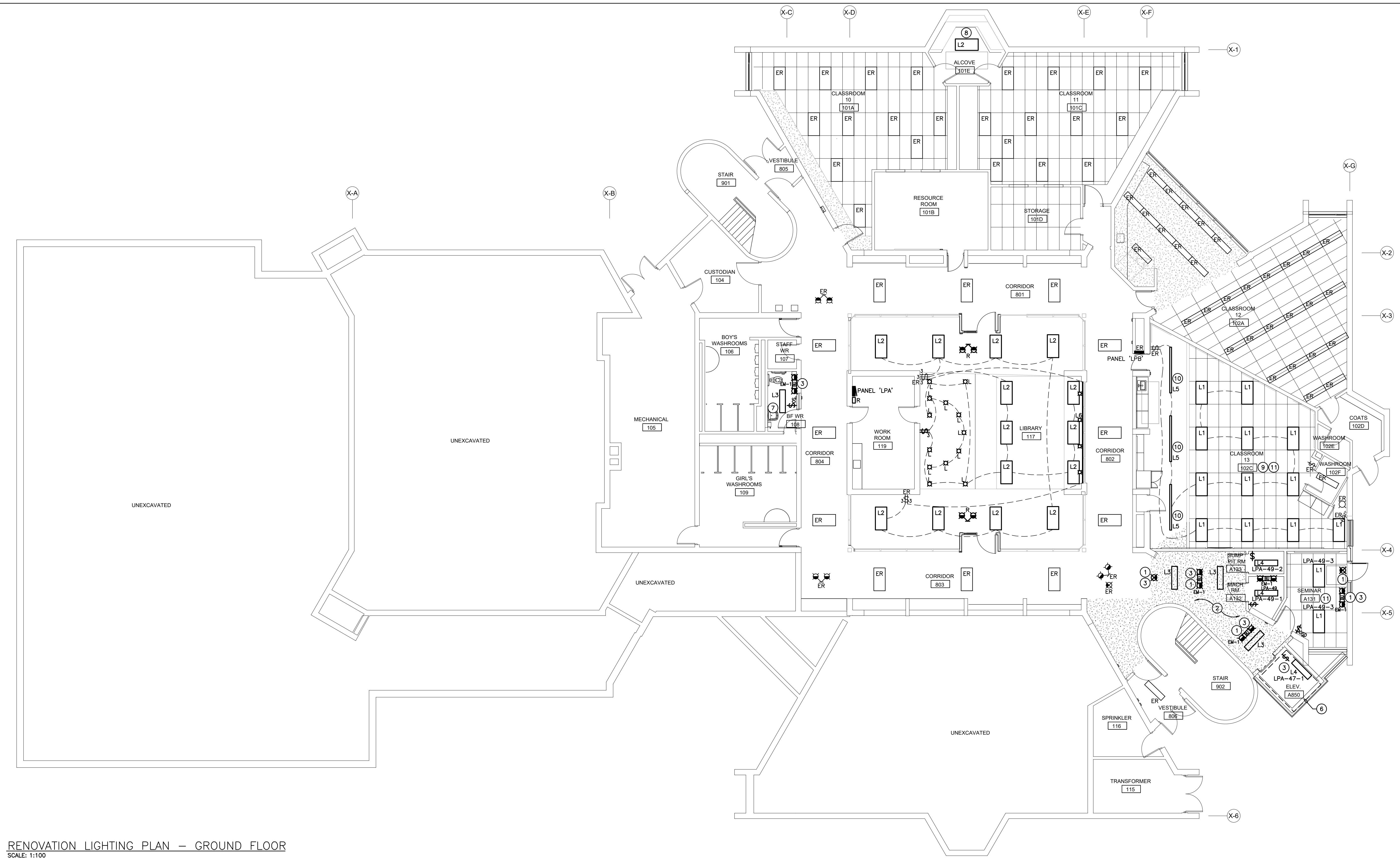
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GROUND FLOOR RENOVATION LIGHTING PLAN



SCALE	PROJECT
As indicated	20118
DATE	DRAWING
DECEMBER 2022	E04
DRAWN	PRINT DATE
CHECKED	2022-12-12
REVIT FILE	T:\2019\15121202\Revit\VT



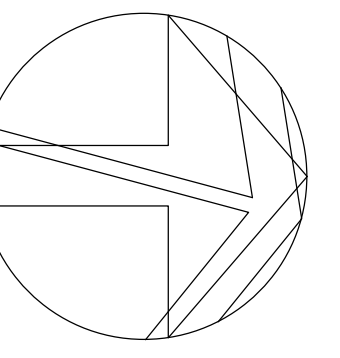
RENOVATION LIGHTING PLAN – GROUND FLOOR
SCALE: 1:100

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).

SPECIFIC RENOVATION NOTES

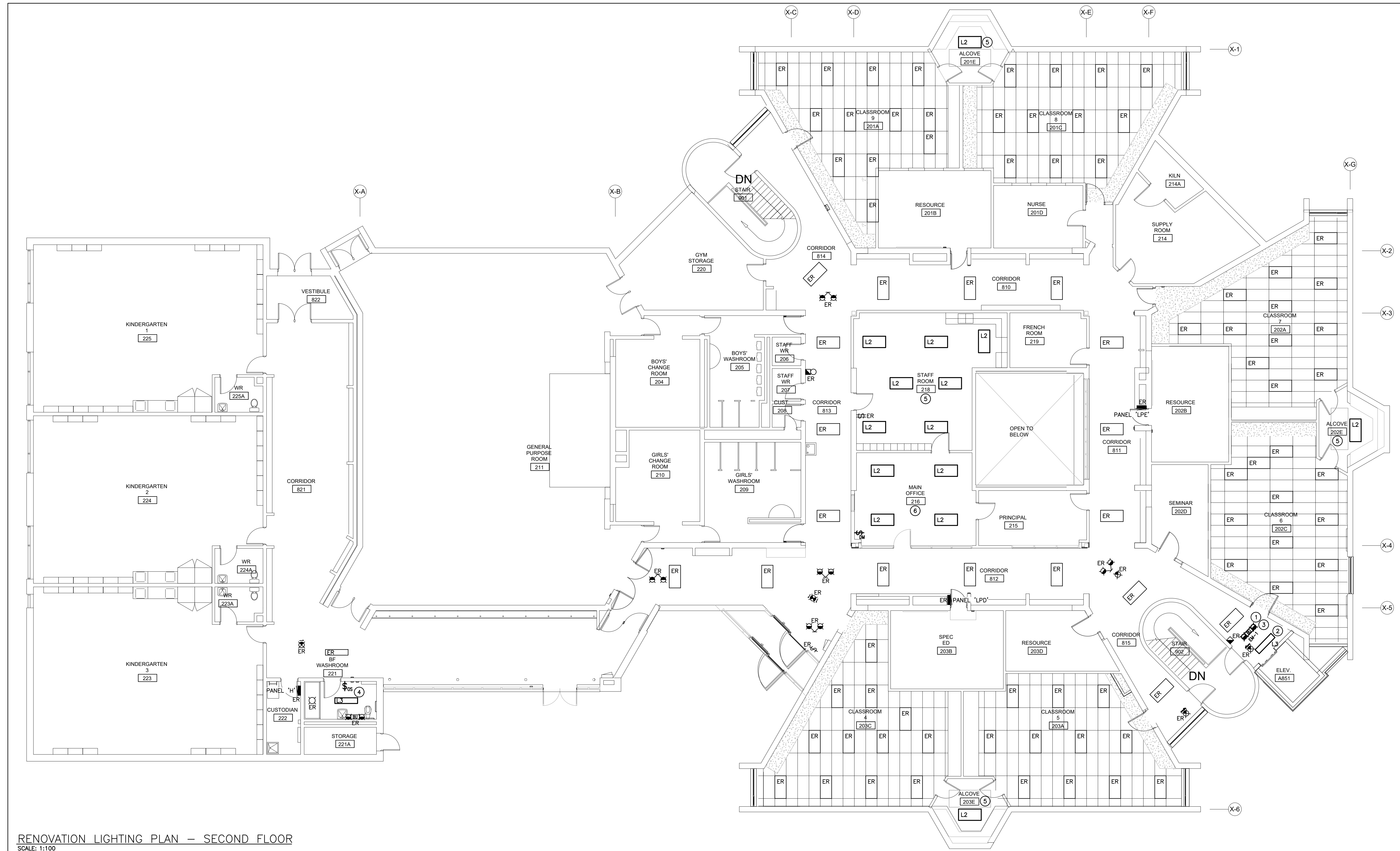
- 1 INDICATED DEVICE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 2 CONNECT NEW LIGHTING FIXTURES IN RENOVATED ELEVATOR LOBBY TO EXISTING LIGHTING BRANCH CIRCUIT AND CONTROL FROM EXISTING ADJACENT CORRIDOR 802/803.
- 3 CONNECT NEW DEVICE TO UNSWITCHED SIDE OF EXISTING REUSED LIGHTING BRANCH CIRCUIT.
- 4 NOTE NOT USED.
- 5 NOTE NOT USED.
- 6 INDICATED DEVICES TO BE MOUNTED IN ELEVATOR PIT. REFER TO ELEVATOR SHOP DRAWINGS.
- 7 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND NEW CONTROL AS NOTED.
- 8 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND EXISTING CONTROL.
- 9 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND EXISTING CONTROL WITH NEW SWITCHING CONFIGURATION SHOWN.
- 10 SUSPEND INDICATED FIXTURES AT A HEIGHT TO MATCH DEMOLISHED PENDANT FIXTURES.
- 11 TYPE 'L1' LIGHT FIXTURES WITHIN THIS ROOM TO HAVE FIRE RATED TROFFER COVERS PROVIDED BY THIS CONTRACTOR EQUAL TO TENMAT CAT. #FF130-2X4 TO MAINTAIN CEILING FIRE RATING.



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RENOVATION LIGHTING PLAN – SECOND FLOOR
SCALE: 1/100

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).

SPECIFIC RENOVATION NOTES

- 1 INDICATED DEVICE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 2 CONNECT NEW LIGHTING FIXTURES IN RENOVATED ELEVATOR LOBBY TO EXISTING LIGHTING BRANCH CIRCUIT AND CONTROL FROM EXISTING ADJACENT CORRIDOR 802/803.
- 3 CONNECT NEW DEVICE TO UNSWITCHED SIDE OF EXISTING REUSED LIGHTING BRANCH CIRCUIT.
- 4 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND NEW CONTROL AS NOTED.
- 5 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND EXISTING CONTROL. MAINTAIN EXISTING FIXTURE CONTROL GROUPINGS.
- 6 CONNECT FIXTURES IN THIS ROOM TO EXISTING LOCAL LIGHTING CIRCUIT AND NEW CONTROL AS NOTED. INCLUDE 0-10V LEADS FROM NEW CONTROL DIMMER TO EACH REPLACEMENT FIXTURE.



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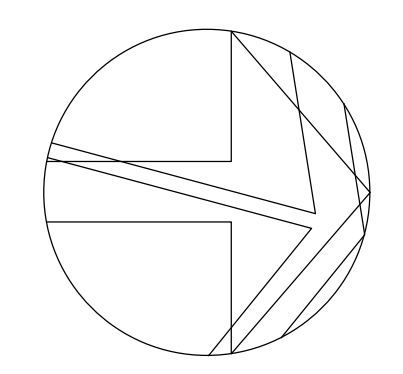
175 Main St. Cambridge, ON N1R 1W5



SECOND FLOOR RENOVATION LIGHTING PLAN

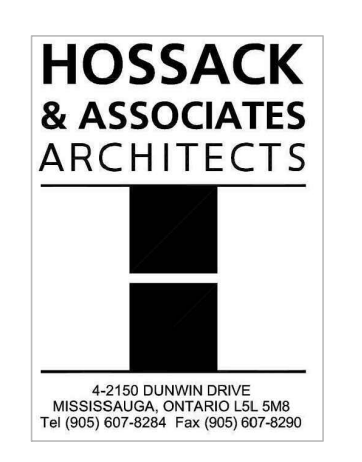


SCALE	As indicated	PROJECT	20118
DATE	DECEMBER 2022	DRAWING	E05
PRINT DATE	2022-12-12	REVISION	1:20191512102Rev1.RVT



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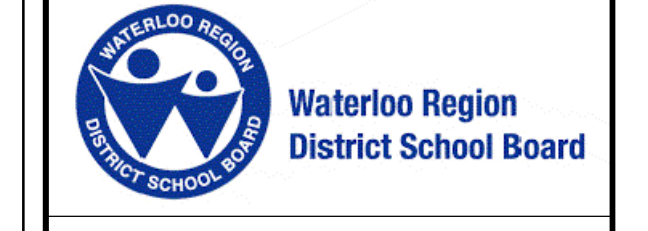
NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	12/12/22
1	ISSUED FOR TENDER REVIEW	11/17/22



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**CENTRAL PUBLIC SCHOOL
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UPGRADE**

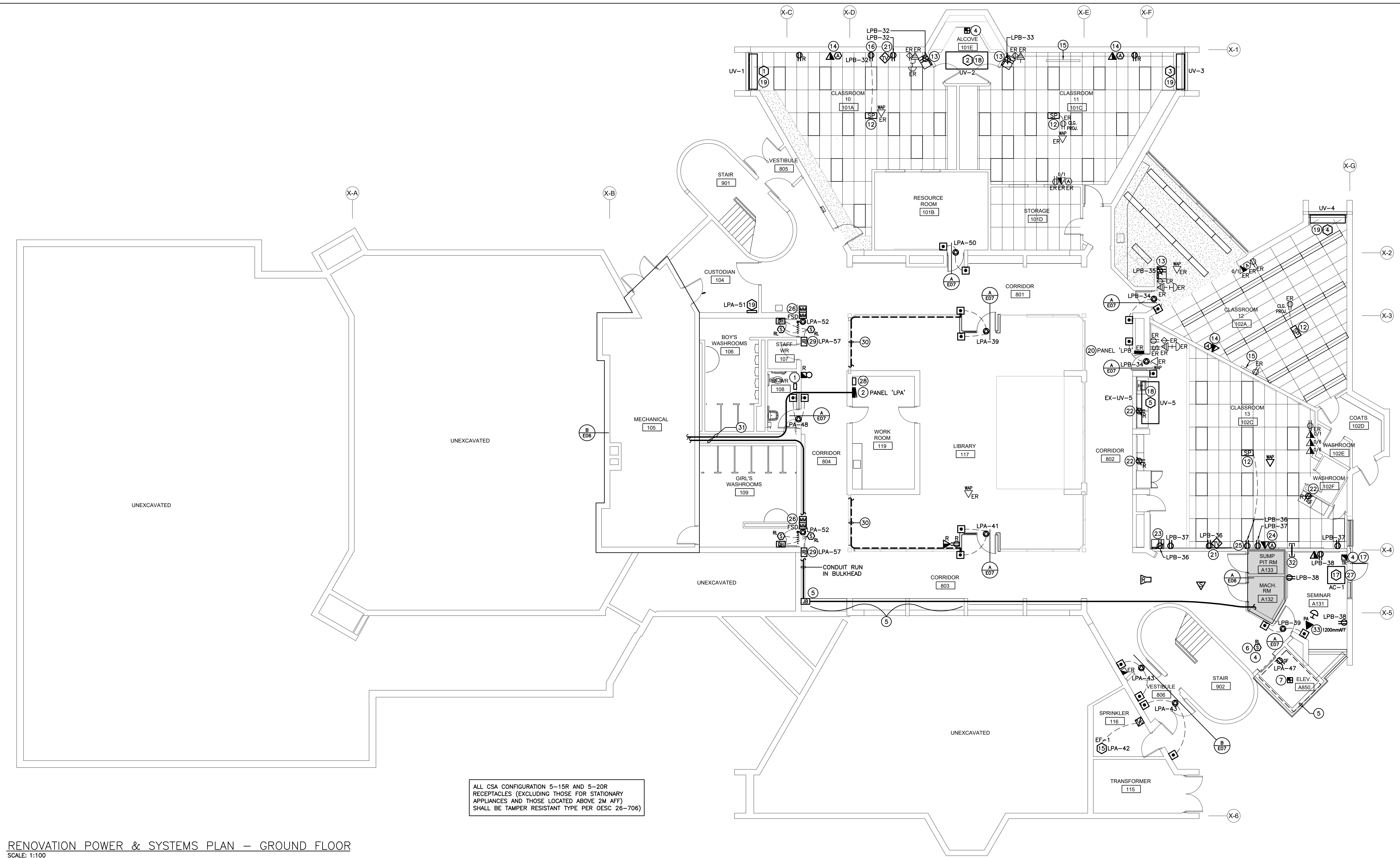
175 Main St. Cambridge,
ON N1R 1W5



**GROUND FLOOR
RENOVATION
POWER & SYSTEMS
PLAN**

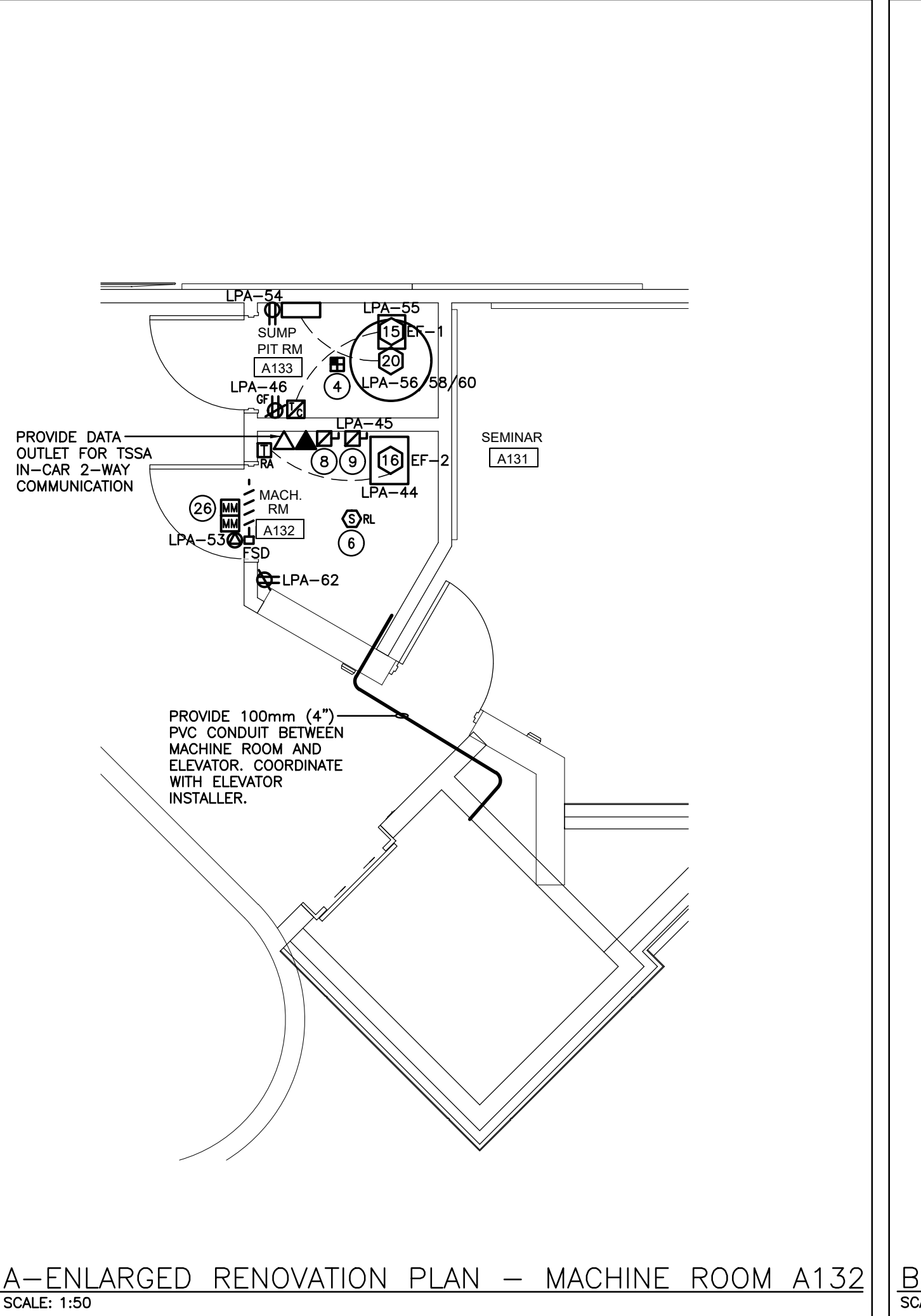


SCALE	PROJECT
As indicated	20118
DATE	DECEMBER 2022
DRAWN	DRAWING
CHECKED	E06
PRINT DATE	2022-12-12
REVIT FILE	T:\2019\1512102\Revit.rvt

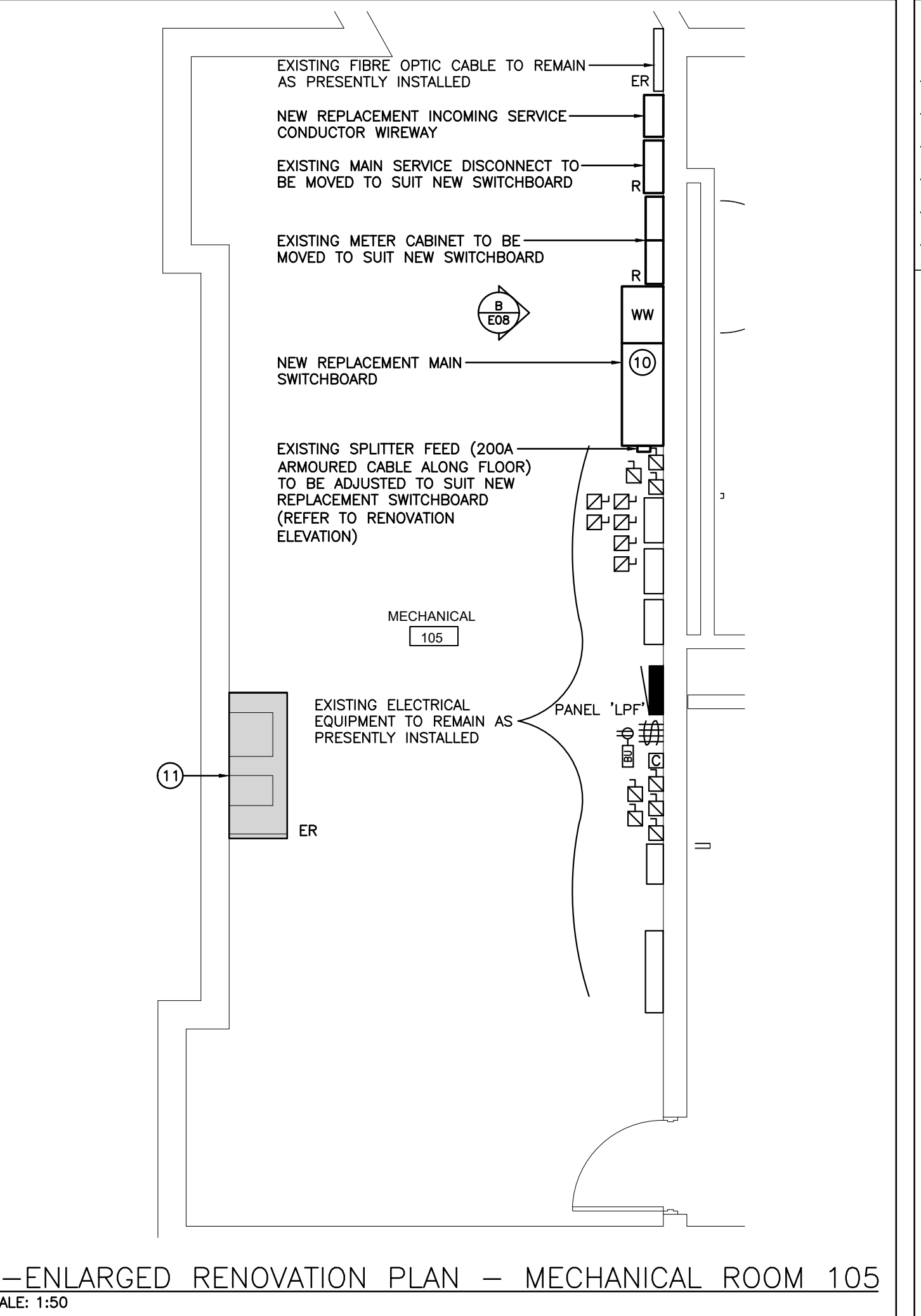


ALL CSA CONFIGURATION 5-15R AND 5-20R RECEPTACLES (EXCLUDING THOSE FOR STATIONARY APPLIANCES AND THOSE LOCATED ABOVE 2M AFF) SHALL BE TAMPER RESISTANT TYPE PER OESC 26-706)

RENOVATION POWER & SYSTEMS PLAN – GROUND FLOOR
SCALE: 1:100



A—ENLARGED RENOVATION PLAN – MACHINE ROOM A132
SCALE: 1:50



B—ENLARGED RENOVATION PLAN – MECHANICAL ROOM 105
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).

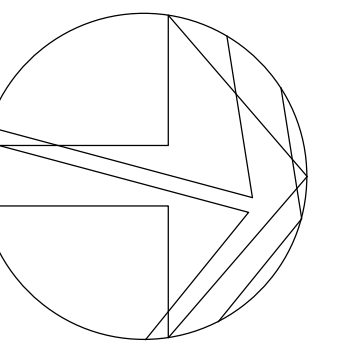
SPECIFIC RENOVATION NOTES

- INDICATES MINIMUM 305mmx305mmx150mm (12"x12"x6") JUNCTION BOX COMPLETE WITH TERMINAL STRIPS WITHIN CEILING SPACE CONTAINING BRANCH CIRCUITS FOR RELOCATED PANEL. ALL WIRING MUST BE TO THE SATISFACTION OF THE CONSULTANT. PROVIDE CONDUITS FROM THIS JUNCTION BOX TO THE NEW PANEL LOCATION AND RECONNECT.
- INDICATES LOCATION OF REPLACEMENT PANEL 'LPA' AND RELOCATED RELAY ENCLOSURE AND CONTROL TRANSFORMER REFER TO DISTRIBUTION RISER DIAGRAM AND PANEL SCHEDULE.
- INDICATES DEVICES TO BE MOUNTED IN ELEVATOR PIT. REFER TO ELEVATOR SHOP DRAWINGS.
- INDICATES NEW FIRE ALARM INITIATING DEVICE CONNECTED TO EXISTING LOCAL FIRE ALARM ZONE.
- AT THIS POINT THE NEW SURFACE CONDUIT FEEDERS (FOR ELEVATOR AND PHONE LINE) TO RUN STACKED IN CORRIDOR CLOSET SPACE (HOLES DRILLED BY OTHERS) TO ELEVATOR MACHINE ROOM.
- WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER TO INITIATE RECALL.
- THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE FIRE ALARM CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER TO INITIATE RECALL. REFER TO RISER DIAGRAM FOR MORE INFORMATION.
- INDICATES 30A-1P FUSIBLE DISCONNECT C/W 15A FUSE FOR ELEVATOR CAB LIGHTING. CONNECT TO CIRCUIT AS NOTED.
- INDICATES NEW REPLACEMENT MAIN DISTRIBUTION SWITCHBOARD AS PER RENOVATION PLANS AND DISTRIBUTION RISER DIAGRAMS.
- INDICATES APPROXIMATE LOCATION OF SCHOOL COMMUNICATIONS EQUIPMENT TO REMAIN.
- INDICATES TOPCAT ACCESS ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION C/W 50FT PLENUM RATED CORD TO BE PLUGGED INTO EXISTING PROJECTOR SPEAKER (OR NEW WALL MOUNTED RECEPTACLE AS NOTED). SYSTEM TO BE C/W MEDIA CONNECTOR, MICROPHONES, CHARGER AND GLASS SHELF (REFER TO DETAIL A/E09 AND SPECIFICATIONS). SYSTEM PROVIDER TO PROVIDE ALL NECESSARY FIRE RATED ENCLOSURES FOR EQUIPMENT IN THE CEILING SPACE. CONFIRM EXACT LOCATION OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE.
- INDICATES SURFACE MOUNTED RECEPTACLE (FOR MEDIA CONNECTOR WIRELESS AUDIO TRANSMITTER/RECEIVER AND MICROPHONE CHARGER) MOUNTED ON SHELF ALONG WITH A SINGLE GANG BOX C/W DECORA PASS THROUGH COVER PLATE WITH 27mmC IN WALL UP TO CEILING SPACE. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO SPECIFICATION FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS AS PART OF ALLOWANCE.
- INDICATES SURFACE 2 GANG BOX WITH CUSTOM DECORA STAINLESS STEEL FACEPLATE FOR HDMI AND 3.5mm AUDIO INPUTS (IN ONE BOX) AND A SINGLE DATA JACK IN THE OTHER BOX WITH WIREMOLD RACEWAY UP TO CEILING SPACE. LOCATE A MINIMUM OF 2440mm OFF CENTRE OF THE PROJECTION SCREEN/TV SCREEN. COORDINATE EXACT ROUTE OF WIREMOLD RACEWAY WITH EXISTING WHITEBOARDS/DEVICES. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO DETAIL A/E09 AND SPECIFICATIONS FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS.
- INDICATES SURFACE 2 GANG BOX WITH CUSTOM DECORA STAINLESS STEEL FACEPLATE FOR HDMI AND 3.5mm AUDIO INPUTS (IN ONE BOX) AND A SINGLE DATA JACK IN THE OTHER BOX WITH WIREMOLD RACEWAY UP TO CEILING SPACE. LOCATE A MINIMUM OF 2440mm OFF CENTRE OF THE PROJECTION SCREEN/TV SCREEN. COORDINATE EXACT ROUTE OF WIREMOLD RACEWAY WITH EXISTING WHITEBOARDS/DEVICES. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO DETAIL A/E09 AND SPECIFICATIONS FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS.
- INDICATES APPROXIMATE LOCATION OF EXISTING PROJECTION SCREEN.

- INDICATES SURFACE MOUNTED WALL RECEPTACLE MOUNTED AT CEILING FOR TOPCAT ACCESS ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION. STATION IS C/W 50FT PLENUM RATED CORD TO BE PLUGGED INTO THIS RECEPTACLE. CONFIRM EXACT LOCATION OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE.
- INDICATED DEVICE TO BE C/W TAMPER COVER PER SPECIFICATIONS.
- INDICATES NEW REPLACEMENT CEILING MOUNTED UNIT VENTILATOR. EXTEND EXISTING CIRCUIT AND RECONNECT. COORDINATE WITH MECHANICAL.
- INDICATES NEW REPLACEMENT WALL MOUNTED UNIT VENTILATOR. RECONNECT TO EXISTING CIRCUIT. COORDINATE WITH MECHANICAL.
- INDICATES EXISTING PANEL 'LPB' (FEDERAL PACIFIC NHP 42-4L, 120/208V, 3PH, 4W WITH 11 SPACES). PROVIDE NEW BREAKERS AND FEED TO NEW LOADS AS NOTED BELOW. PROVIDE NEW TYPED PANEL DIRECTORY.

CIRCUIT	NEW BREAKER	DESCRIPTION
LPB-32	15A-1P	CLASSRM 10 TV/SOUND SYSTEM REC.
LPB-33	15A-1P	CLASSRM 11 SOUND SYSTEM REC.
LPB-34	15A-1P	CLASSRM 12/13 DOOR OPERATORS
LPB-35	15A-1P	CLASSRM 12 SOUND SYSTEM REC.
LPB-36	15A-1P	CLASSRM 13 TV/SOUND SYSTEM REC.
LPB-37	15A-1P	CLASSRM 13 TV/SOUND SYSTEM REC.
LPB-38	15A-1P	SEMINAR/CORRIDOR REC.
LPB-39	15A-1P	SEMINAR DOOR OPERATOR
LPB-40	15A-1P	SPARE

- INDICATES DEVICES FOR OWNER'S TV SCREEN. CONFIRM EXACT LOCATION/MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- INDICATED RECEPTACLE TO BE RELOCATED UP TO SUIT HEIGHT OF NEW REPLACEMENT MILLWORK. PROVIDE SURFACE WIREMOLD RACEWAY.
- INDICATES RECEPTACLE (FOR MEDIA CONNECTOR WIRELESS AUDIO TRANSMITTER/RECEIVER AND MICROPHONE CHARGER) MOUNTED ON SHELF ALONG WITH A SINGLE GANG BOX C/W DECORA PASS THROUGH COVER PLATE WITH 27mmC IN WALL UP TO CEILING SPACE. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO SPECIFICATION FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS AS PART OF ALLOWANCE.
- INDICATES 2 GANG BOX WITH CUSTOM DECORA STAINLESS STEEL FACEPLATE FOR HDMI AND 3.5mm AUDIO INPUTS (IN ONE BOX) WITH 27mmC UP TO CEILING SPACE AND A SINGLE DATA JACK IN THE OTHER BOX WITH 27mmC UP TO CEILING SPACE. LOCATE A MINIMUM OF 2440mm OFF CENTRE OF THE PROJECTION SCREEN/TV SCREEN. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO SPECIFICATION FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS AS PART OF ALLOWANCE.
- INDICATES WALL RECEPTACLE MOUNTED AT CEILING FOR TOPCAT ACCESS ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION. STATION IS C/W 50FT PLENUM RATED CORD TO BE PLUGGED INTO THIS RECEPTACLE. CONFIRM EXACT LOCATION OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PER SPECIFICATIONS.
- INDICATES FIRE ALARM MODULE TO FIRE/SMOKE DAMPER INTEGRAL DUCT SMOKE DETECTOR ASSEMBLY. PROVIDE MONITOR/CONTACT MODULES TO MONITOR INTEGRAL DAMPER DETECTOR FOR ALARM CONDITION AND AC POWER SUPPLY TO DAMPER FOR SUPERVISORY CONDITION. FIRE/SMOKE DAMPER ASSEMBLY INCLUDING DUCT DETECTOR BY MECHANICAL CONTRACTOR. CONNECT ALARM CONTACTS TO EXISTING LOCAL FIRE ALARM INITIATING CIRCUIT. REFER TO FIRE ALARM RISER DIAGRAM.
- AC-1 FED FROM CU-1 ON ROOF WITH 2#12 190 CU IN 21mmC. REFER TO EQUIPMENT WIRING SCHEDULE.
- INDICATES NEW FIRE ALARM ZONE WIRING JUNCTION BOX C/W TERMINAL BLOCK IN ACCESSIBLE LOCATION FOR EXTENSION AND RECONNECTION OF ZONE CIRCUIT WIRING BACK TO EXISTING FIRE ALARM CONTROL PANEL. REFER TO FIRE ALARM RISER DIAGRAM.
- WITHIN CEILING SPACE PROVIDE STEPDOWN TRANSFORMER (120-240V), RUN NOTED CIRCUIT THROUGH TRANSFORMER, THEN RUN 24V CIRCUIT THROUGH AUXILIARY CONTACTS OF FIRE ALARM CONTROL PANEL, THEN ONTO RELAY BASES OF SMOKE DETECTORS, THEN TO DOOR HOLDERS. INSTALL SMOKE DETECTORS A MAXIMUM OF 1.5m FROM INDICATED DOORS. REFER TO DETAIL B/E09.
- INDICATES WIREMOLD 500 SERIES SURFACE RACEWAY TUCKED INTO CORNER ALONG ROOM PERIMETER OF EXISTING LIBRARY CEILING TO FEED NEW HANDICAP OPERATORS FROM REPLACEMENT PANEL 'LPA'.
- INDICATES PROPOSED ROUTING OF NEW SURFACE CONDUIT FEEDERS FROM ELECTRICAL DISTRIBUTION EQUIPMENT TO RELOCATED REPLACEMENT PANEL LPA AND NEW ELEVATOR MACHINE ROOM, ALONG WITH CONDUIT FOR PHONE LINE & DATA FROM COMMUNICATIONS BACKBOARD TO NEW ELEVATOR MACHINE ROOM.
- INDICATES 1-53mm CONDUIT ABOVE CEILING SPACE THROUGH WALL FOR COMMUNICATION CABLES. PROVIDE BUSHINGS ON ENDS OF CONDUIT.
- INDICATES P.A. SPEAKER/PHONE SYSTEM OUTLET ROUGH-IN.

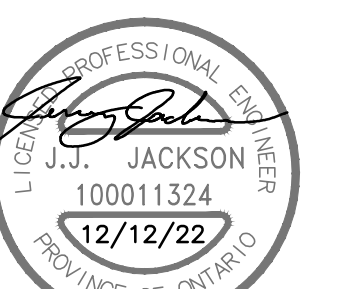


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2	ISSUED FOR TENDER	12/12/22
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NO.	DESCRIPTION	DATE



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175 Main St. Cambridge, ON N1R 1W5



SECOND FLOOR RENOVATION POWER & SYSTEMS PLAN



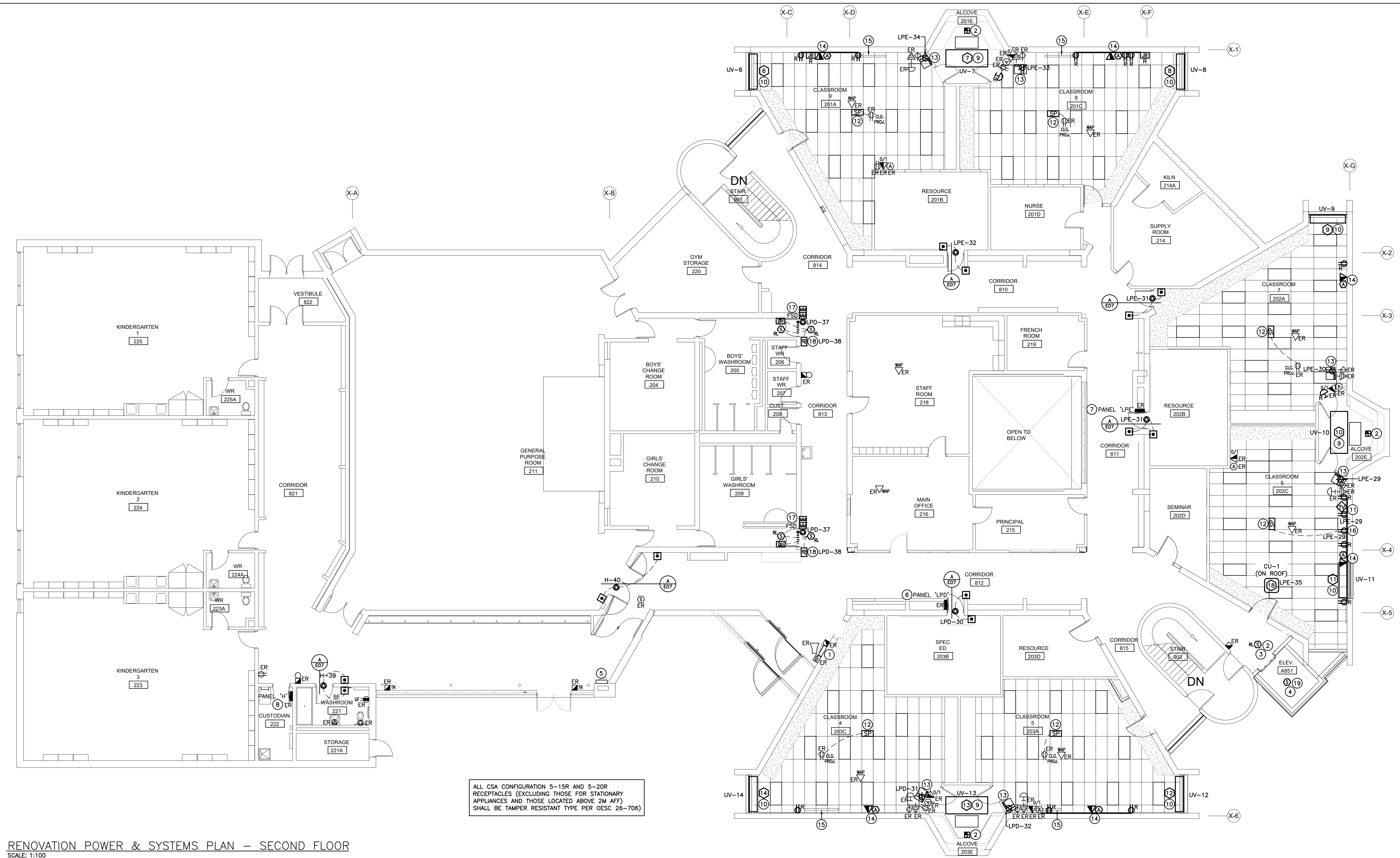
MECHANICAL, ELECTRICAL, PLUMBING

55 Northland Road, Waterloo, ON N2V 1Y6
Phone: 519-775-3555
Website: deiassociates.ca
Project Number: 21178

SCALE: As indicated
PROJECT: 20118
DATE: DECEMBER 2022

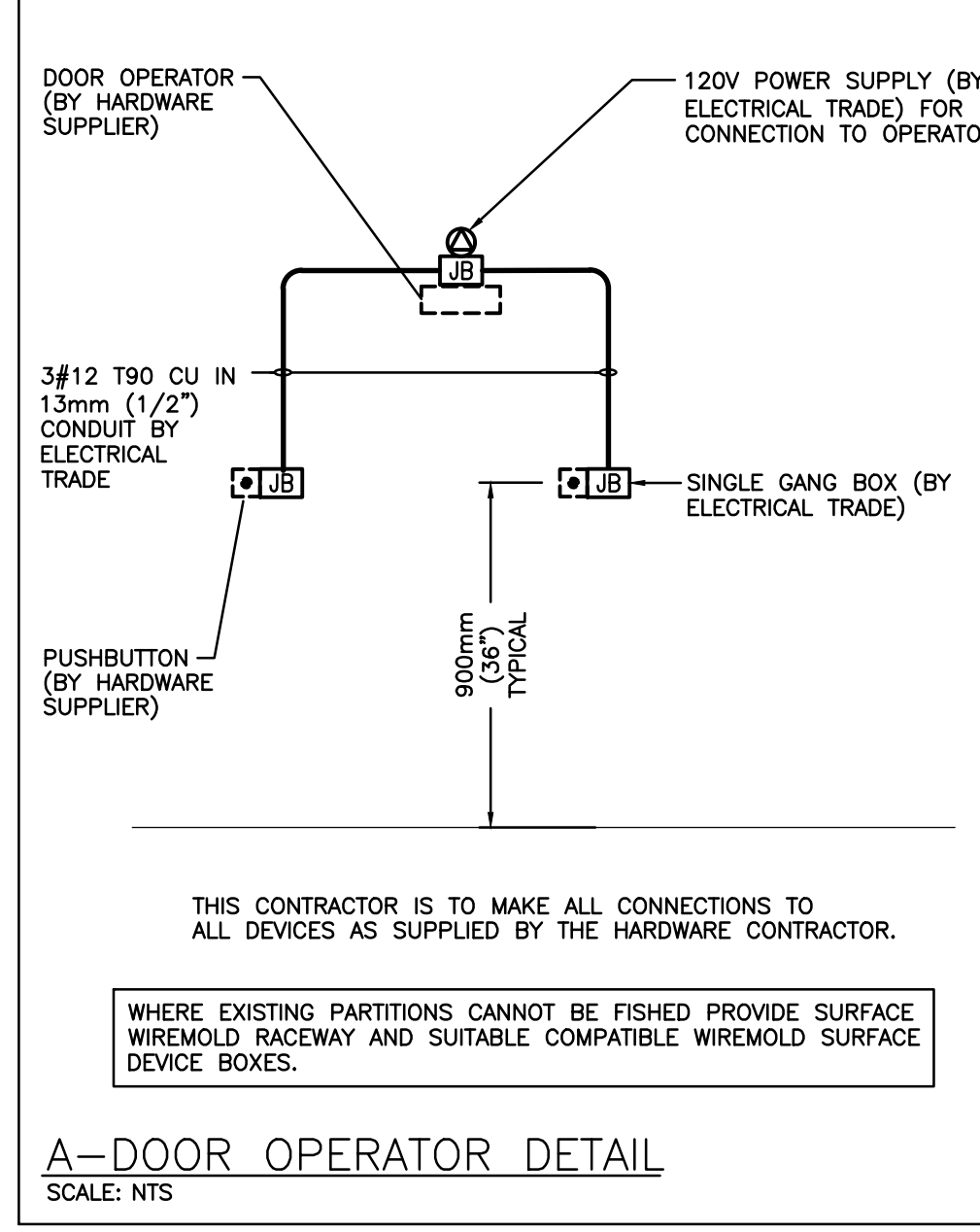
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PRINT DATE: 2022-12-12
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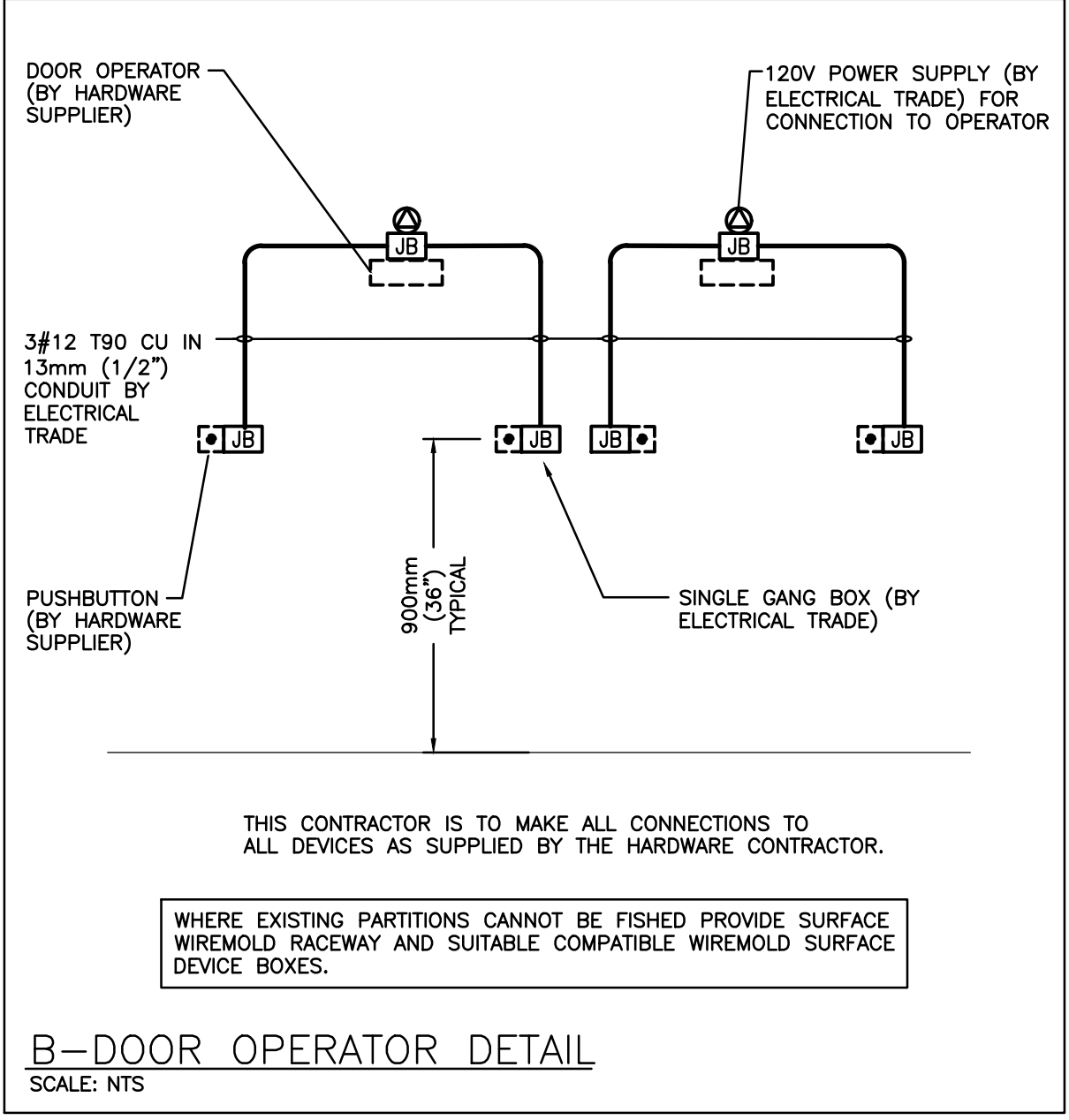


ALL CSA CONFIGURATION 5-15R AND 5-20R RECEPTACLES (EXCLUDING THOSE FOR STATIONARY APPLIANCES AND THOSE LOCATED ABOVE 2M AFF) SHALL BE TAMPER RESISTANT TYPE PER OESC 26-706)

RENOVATION POWER & SYSTEMS PLAN – SECOND FLOOR
SCALE: 1:100



A-DOOR OPERATOR DETAIL
SCALE: NTS



B-DOOR OPERATOR DETAIL
SCALE: NTS

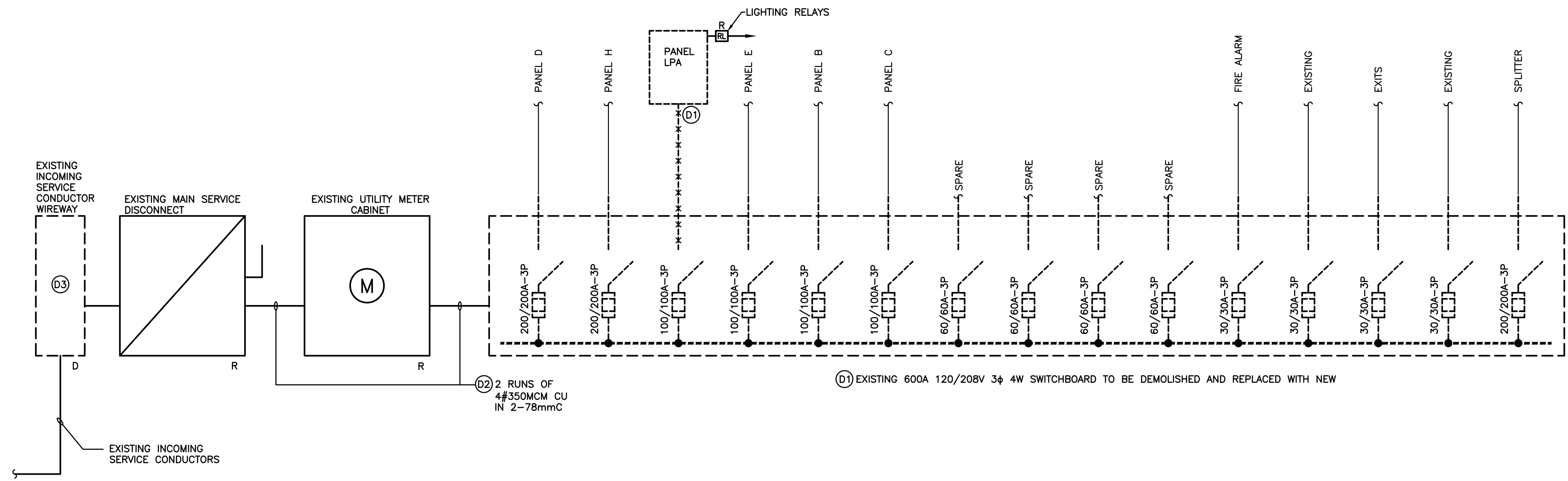
GENERAL RENOVATION NOTES

- '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).

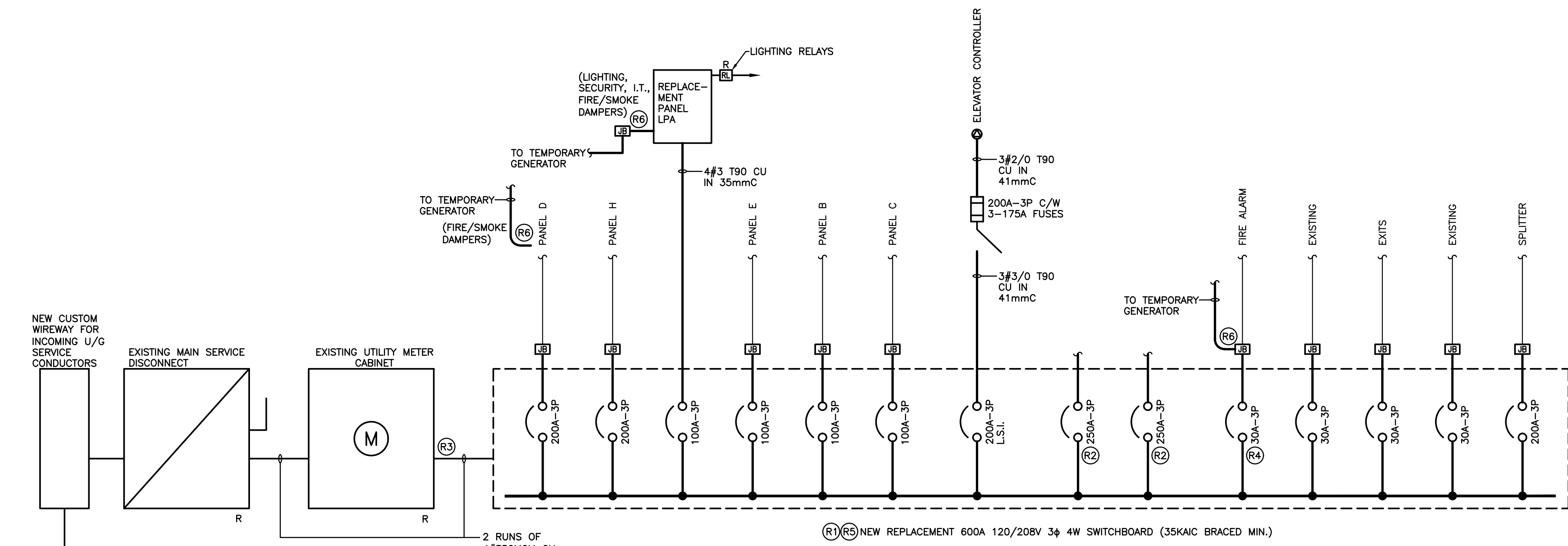
SPECIFIC RENOVATION NOTES

- INDICATES LOCATION OF EXISTING SCHOOL FIRE ALARM CONTROL PANEL AS MANUFACTURED BY EDWARDS CAT. # "QUICKSTART". PROVIDE NEW DEVICE CONNECTIONS AND ZONES FOR RENOVATION PLANS AND SPECIFICATIONS.
- INDICATES NEW FIRE ALARM INITIATING DEVICE CONNECTED TO EXISTING LOCAL FIRE ALARM ZONE.
- WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER TO INITIATE RECALL.
- THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE FIRE ALARM CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER TO INITIATE RECALL.
- INDICATES LOCATION OF EXISTING EDWARDS EST FIRE ALARM ANNUNCIATOR PANEL TO REMAIN AS PRESENTLY INSTALLED.
- INDICATES EXISTING PANEL 'LPO' (FEDERAL PACIFIC NPLP 42-4L, 120/208V, 3PH, 4W) WITH 9 SPACES. PROVIDE NEW BREAKERS AND FEED TO NEW LOADS AS NOTED BELOW. PROVIDE NEW TYPED PANEL DIRECTORY.
CIRCUIT NEW BREAKER DESCRIPTION
LPE-30 15A-1P CLASSRM 4 SOUND SYSTEM REC.
LPE-31 15A-1P SPECIAL ED 203B DOOR OPERATOR
LPE-32 15A-1P CLASSRM 5 SOUND SYSTEM REC.
LPE-33 15A-1P CLASSRM 6 SOUND SYSTEM REC.
LPE-34 15A-1P BOYS/GIRLS WR FSD AT DOORS
LPE-35 15A-1P BOYS/GIRLS WR DOOR HOLDERS
LPE-36 15A-1P SPARE
LPE-40 15A-1P SPARE
- INDICATES EXISTING PANEL 'LPE' (FEDERAL PACIFIC NPLP 42-4L, 120/208V, 3PH, 4W) WITH 14 SPACES. PROVIDE NEW BREAKERS AND FEED TO NEW LOADS AS NOTED BELOW. PROVIDE NEW TYPED PANEL DIRECTORY.
CIRCUIT NEW BREAKER DESCRIPTION
LPE-29 15A-1P CLASSRM 5 TV/SOUND SYSTEM REC.
LPE-30 15A-1P CLASSRM 7 SOUND SYSTEM REC.
LPE-31 15A-1P CLASSRM 7, SEMINAR 202B DOOR OPERATORS
LPE-32 15A-1P RESOURCE 202B DOOR OPERATOR
LPE-33 15A-1P CLASSRM 8 SOUND SYSTEM REC.
LPE-34 15A-1P CLASSRM 9 SOUND SYSTEM REC.
LPE-35 15A-1P CONDENSING UNIT CU-1 ON ROOF
LPE-36 15A-1P SPARE
LPE-37 15A-1P SPARE
- INDICATES EXISTING PANEL 'H' (SQUARE 'D' NQ472L2C, 120/208V, 3PH, 4W) WITH 28 SPACES. PROVIDE NEW BREAKERS AND FEED TO NEW LOADS AS NOTED BELOW. PROVIDE NEW TYPED PANEL DIRECTORY.
CIRCUIT NEW BREAKER DESCRIPTION
H-39 15A-1P BF WR 221 DOOR OPERATOR
H-40 15A-1P GYM DOOR OPERATOR
H-41 15A-1P SPARE
H-42 15A-1P SPARE

- INDICATES NEW REPLACEMENT CEILING MOUNTED UNIT VENTILATOR. EXTEND EXISTING CIRCUIT AND RECONNECT. COORDINATE WITH MECHANICAL.
- INDICATES NEW REPLACEMENT WALL MOUNTED UNIT VENTILATOR. RECONNECT TO EXISTING CIRCUIT. COORDINATE WITH MECHANICAL.
- INDICATES DEVICES FOR OWNER'S TV SCREEN. CONFIRM EXACT LOCATION/MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- INDICATES TOPCAT ACCESS ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION C/W SOFT PLENUM RATED CORD TO BE PLUGGED INTO EXISTING PROJECTOR SPEAKER (OR NEW WALL MOUNTED RECEPTACLE AS NOTED). SYSTEM TO BE C/W MEDIA CONNECTOR, MICROPHONES, CHARGER AND GLASS SHELF (REFER TO DETAIL A/E09 AND SPECIFICATIONS). SYSTEM PROVIDER TO PROVIDE ALL NECESSARY FIRE RATED ENCLOSURES FOR EQUIPMENT IN THE CEILING SPACE. CONFIRM EXACT LOCATION OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE.
- INDICATES SURFACE MOUNTED RECEPTACLE (FOR MEDIA CONNECTOR WIRELESS AUDIO TRANSMITTER/RECEIVER AND MICROPHONE CHARGER) MOUNTED ON SHELF ALONG WITH A SINGLE GANG BOX C/W DECORA PASS THROUGH COVER PLATE. WHERE POSSIBLE, FISH WIRING DOWN WALL TO FEED DEVICES. WHERE THIS IS NOT POSSIBLE, USE SURFACE WIREMOLD RACEWAY UP WALL TO CEILING SPACE. COORDINATE EXACT ROUTE OF WIREMOLD RACEWAY WITH EXISTING WHITEBOARDS/DEVICES. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES ON SITE WITH SCHOOL BOARD REPRESENTATIVE AND ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO DETAIL A/E09 AND SPECIFICATION FOR TOPCAT ACCESS ASSISTIVE LISTENING SYSTEM COMPONENTS AS PART OF CASH ALLOWANCE.
- INDICATES APPROXIMATE LOCATION OF EXISTING PROJECTION SCREEN.
- INDICATES SURFACE MOUNTED WALL RECEPTACLE MOUNTED AT CEILING FOR TOPCAT ACCESS ASSISTIVE LISTENING WIRELESS AUDIO BASE STATION. STATION IS C/W SOFT PLENUM RATED CORD TO BE PLUGGED INTO THIS RECEPTACLE. CONFIRM EXACT LOCATION OF DEVICES ON SITE WITH ASSISTIVE LISTENING SYSTEM REPRESENTATIVE PER SPECIFICATION.
- INDICATES FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER INTEGRAL DUCT SMOKE DETECTOR ASSEMBLY PROVIDE MONITOR/CONTACT MODULES TO MONITOR INTEGRAL DAMPER DETECTOR FOR ALARM CONDITION AND AC POWER SUPPLY TO DAMPER FOR SUPERVISORY CONDITION. FIRE/SMOKE DAMPER ASSEMBLY INCLUDING DUCT DETECTOR BY MECHANICAL CONTRACTOR. CONNECT ALARM CONTACTS TO EXISTING LOCAL FLOOR FIRE ALARM INITIATING CIRCUIT. REFER TO FIRE ALARM RISER DIAGRAM.
- WITHIN CEILING SPACE PROVIDE STEPDOWN TRANSFORMER (120-24V). RUN NEDT CIRCUIT THROUGH TRANSFORMER THEN RUN 24V CIRCUIT THROUGH AUXILIARY CONTACTS OF FIRE ALARM CONTROL PANEL THEN ONTO RELAY BASES OF SMOKE DETECTORS, THEN TO DOOR HOLDERS. INSTALL SMOKE DETECTORS A MAXIMUM OF 1.5m FROM INDICATED DOORS. REFER TO DETAIL E/09.
- INDICATED DEVICE TO BE MOUNTED TO TOP OF ELEVATOR SHAFT. REFER TO ELEVATOR SHOP DRAWINGS



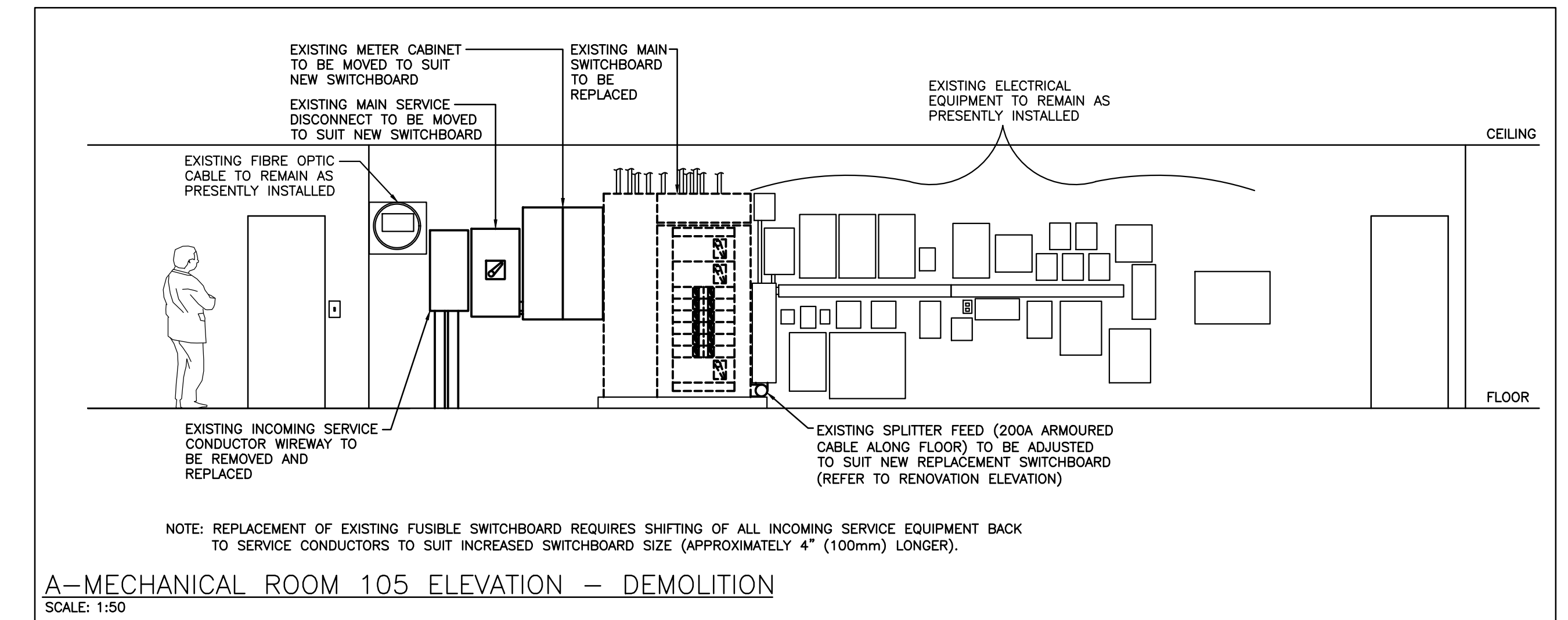
DISTRIBUTION RISER DEMOLITION DIAGRAM
SCALE: NTS



DISTRIBUTION RISER RENOVATION DIAGRAM
SCALE: NTS

DISTRIBUTION RISER DEMOLITION NOTES

- D1 INDICATES EXISTING MAIN SERVICE SWITCHBOARD TO BE REMOVED COMPLETE. REFER TO SPECIFICATIONS FOR FURTHER DETAILS. MAINTAIN EXISTING BRANCH FEEDS FOR EXTENSION AND RECONNECTION PER RENOVATION RISER.
- D2 INDICATES EXISTING CONDUCTORS TO BE REWORKED TO SUIT REVISED SERVICE ENTRANCE EQUIPMENT POSITIONS.
- D3 REMOVE EXISTING INCOMING SERVICE CONDUCTOR WIREWAY AND REPLACE WITH CUSTOM TO SUIT REVISED SERVICE ENTRANCE EQUIPMENT POSITIONS.
- D4 INDICATES EXISTING PANEL TO BE REPLACED PER RENOVATION PLANS. MAINTAIN EXISTING BRANCH CIRCUITS AND ASSOCIATED LIGHTING RELAYS FOR EXTENSION/RELOCATION TO REPLACEMENT PANEL LOCATION.



A-MECHANICAL ROOM 105 ELEVATION - DEMOLITION
SCALE: 1:50

DISTRIBUTION RISER RENOVATION NOTES

- R1 INDICATES REPLACEMENT SERVICE SWITCHBOARD PER SPECIFICATIONS C/W MAINS RATING AND MAIN DEVICE IN CONFORMANCE WITH OESC RULE 64-112(B).
- R2 INDICATES MINIMUM MOUNTING SPACE FOR FUTURE BRANCH DEVICES. INCLUDE MOUNTING HARDWARE.
- R3 RECONNECT EXISTING UTILITY MAIN METER CABINET TO UTILITY COMPARTMENT OF REPLACEMENT SWITCHBOARD TO SUIT UTILITY REQUIREMENTS. CONTRACTOR TO COORDINATE AND ARRANGE FOR REQUIRED SERVICE SHUTDOWNS TO PERFORM RENOVATION/REPLACEMENT WORK. CONTRACTOR ALSO TO COORDINATE REWORKING OF EXISTING METERING TO SUIT RENOVATION WORK.
- R4 INDICATED BREAKER TO BE PAINTED RED.
- R5 ALL EXISTING FUSE CONFIGURATIONS AND FUSE RATINGS TO BE CONFIRMED PRIOR TO SUBMISSION OF SHOP DRAWINGS FOR REPLACEMENT BOARD AND ORDERING OF EQUIPMENT.
- R6 INDICATES APPROXIMATE LOCATION OF CONNECTION POINT FOR BACKUP OF EXISTING CRITICAL SYSTEMS (LIGHTING/FIRE ALARM/SECURITY/LT) VIA RENTAL GENERATOR AT RESPECTIVE EXISTING/REPLACEMENT SOURCE PER SPECIFICATIONS.

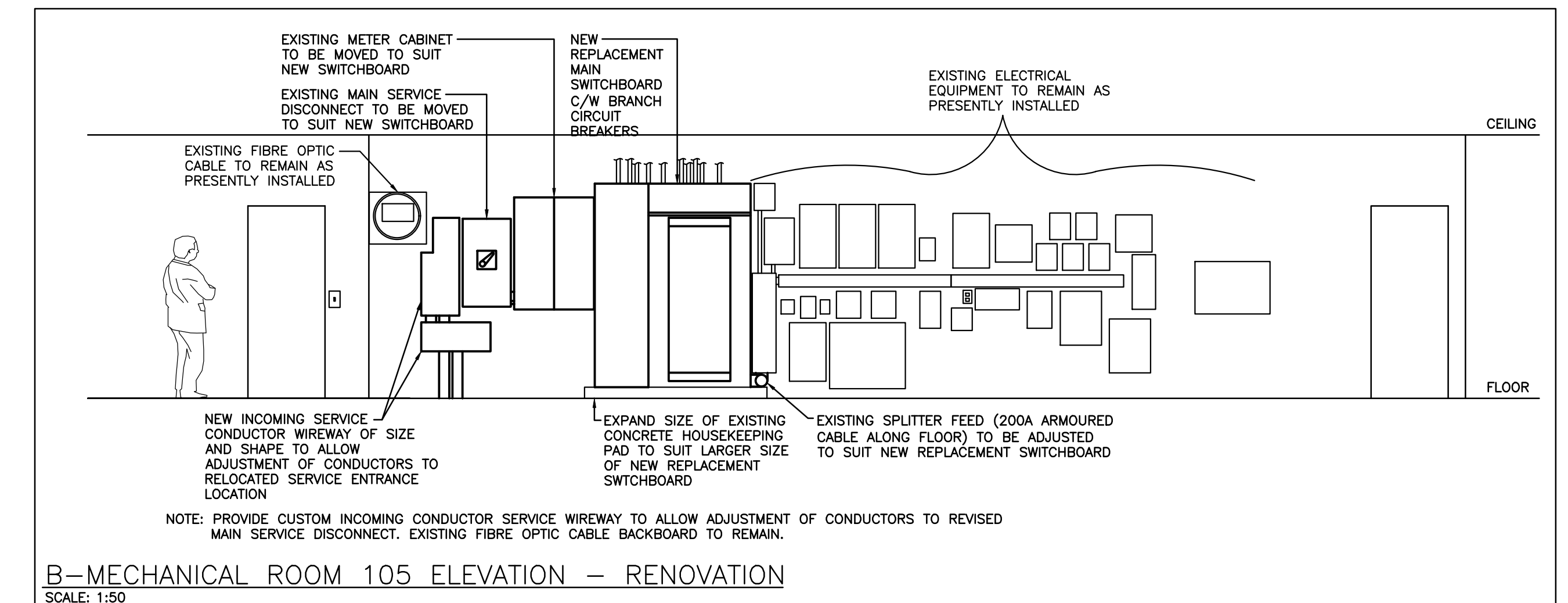
REPLACEMENT SERVICE RISER NOTES

- S1 WHEN RELOCATING OR REMOVING EQUIPMENT, SHOULD ANY CIRCUITS BE ABANDONED, THE CONDUCTORS TO THESE CIRCUITS MUST BE REMOVED OR PROPERLY TERMINATED AS DETAILED IN OESC RULE 2-130, RULE 12-114, RULE 12-300 AND BULLETIN 12-25-*,
- S2 ALL CONDUCTOR SPLICING SHALL BE MADE AS DETAILED IN RULE 12-112.
- S3 ENSURE THAT ALL EXISTING CONDUCTORS BEING RE-FED FROM THE NEW DISTRIBUTION / ARE PROPERLY PROTECTED. THE RATING OR SETTING OF OVERCURRENT DEVICES SHALL NOT EXCEED THE ALLOWABLE AMPACITY OF THE CONDUCTORS THAT THEY PROTECT. RULE 14-104. CONTRACTOR TO ADVISE CONSULTANT IN WRITING OF ANY EXISTING FEEDERS OF INSUFFICIENT CAPACITY SO AS TO NOT BE PROPERLY PROTECTED BY REPLACEMENT SWITCHBOARD BRANCH DEVICE PRIOR TO ORDERING SWITCHBOARD/SUBMISSION OF SHOP DRAWINGS.
- S4 RECONNECT EXISTING MAIN ELECTRICAL SERVICE GROUND TO SUIT REPLACEMENT SERVICE SWITCHBOARD.

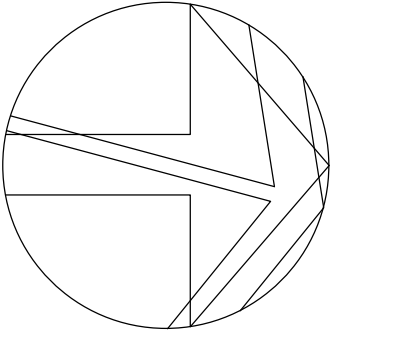
TEMPORARY RENTAL GENERATOR NOTE

CONTRACTOR TO PROVIDE TEMPORARY POWER DURING POWER OUTAGES. PROVIDE TEMPORARY PANEL AND BRANCH CIRCUIT CONNECTIONS TO SUIT. COORDINATE ADDITIONAL REQUIREMENTS WITH SCHOOL BOARD REPRESENTATIVE. TEMPORARY POWER TO BE PROVIDED FOR LOADS AS FOLLOWS:

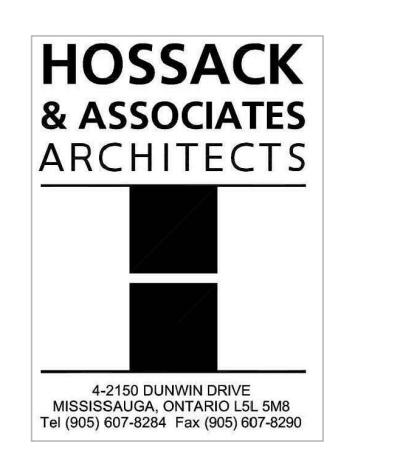
- 15A-1P CIRCUIT FOR SECURITY PANEL
- 15A-3P CIRCUIT FOR FIRE ALARM PANEL
- 2 X 15A-1P CIRCUITS FOR EXTERIOR LIGHTING
- 4 X 15A-1P CIRCUITS FOR CORRIDOR LIGHTING
- 1 X 15A-1P FOR LT. RECEPTACLE
- 4 X 15A-1P CIRCUITS (FOR ADDITIONAL LOADS PER BOARD REQUIREMENTS) CONFIRM SOURCE PANELS ON SITE.



B-MECHANICAL ROOM 105 ELEVATION - RENOVATION
SCALE: 1:50



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 fitting 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 this drawing. © 2022 DEI & Associates Inc.

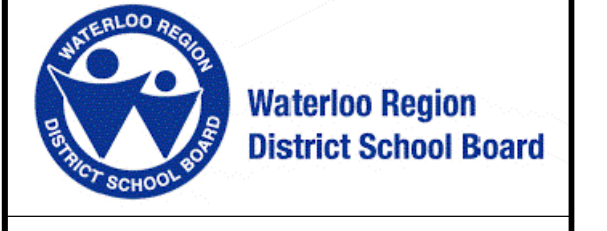


NO.	DESCRIPTION	DATE
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1	ISSUED FOR TENDER REVIEW	11/17/22



CENTRAL PUBLIC SCHOOL - ACCESSIBILITY UPGRADE

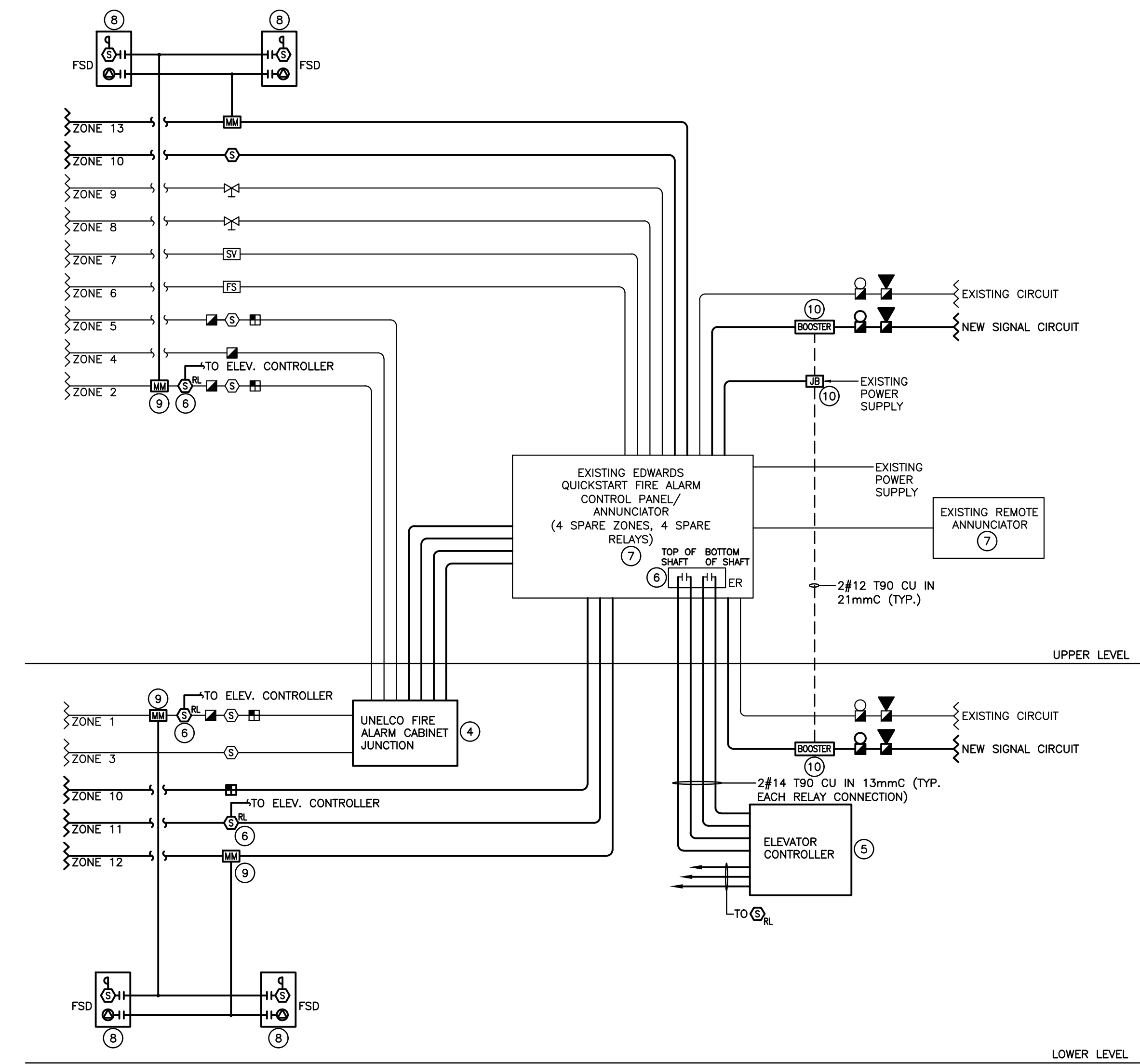
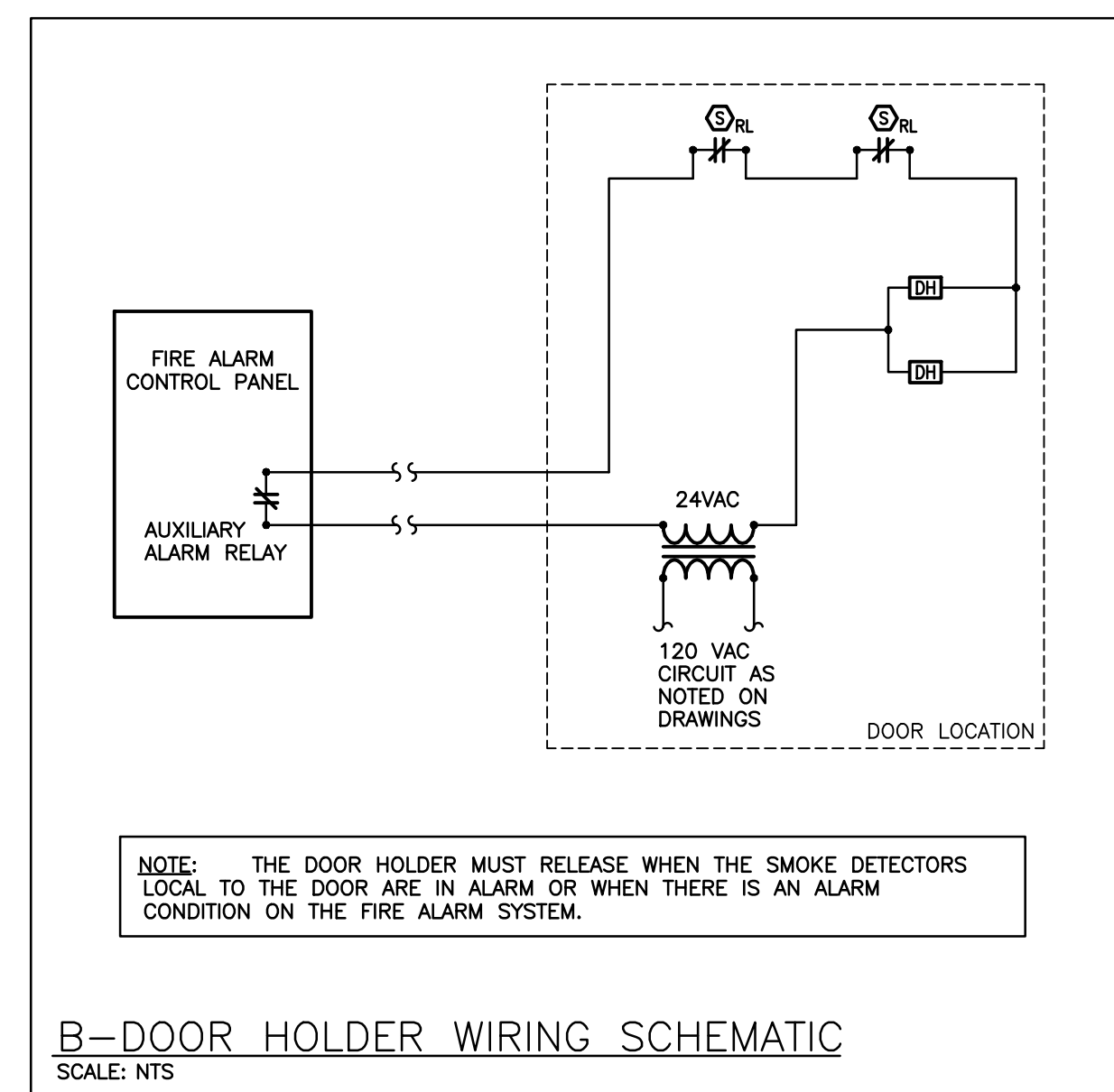
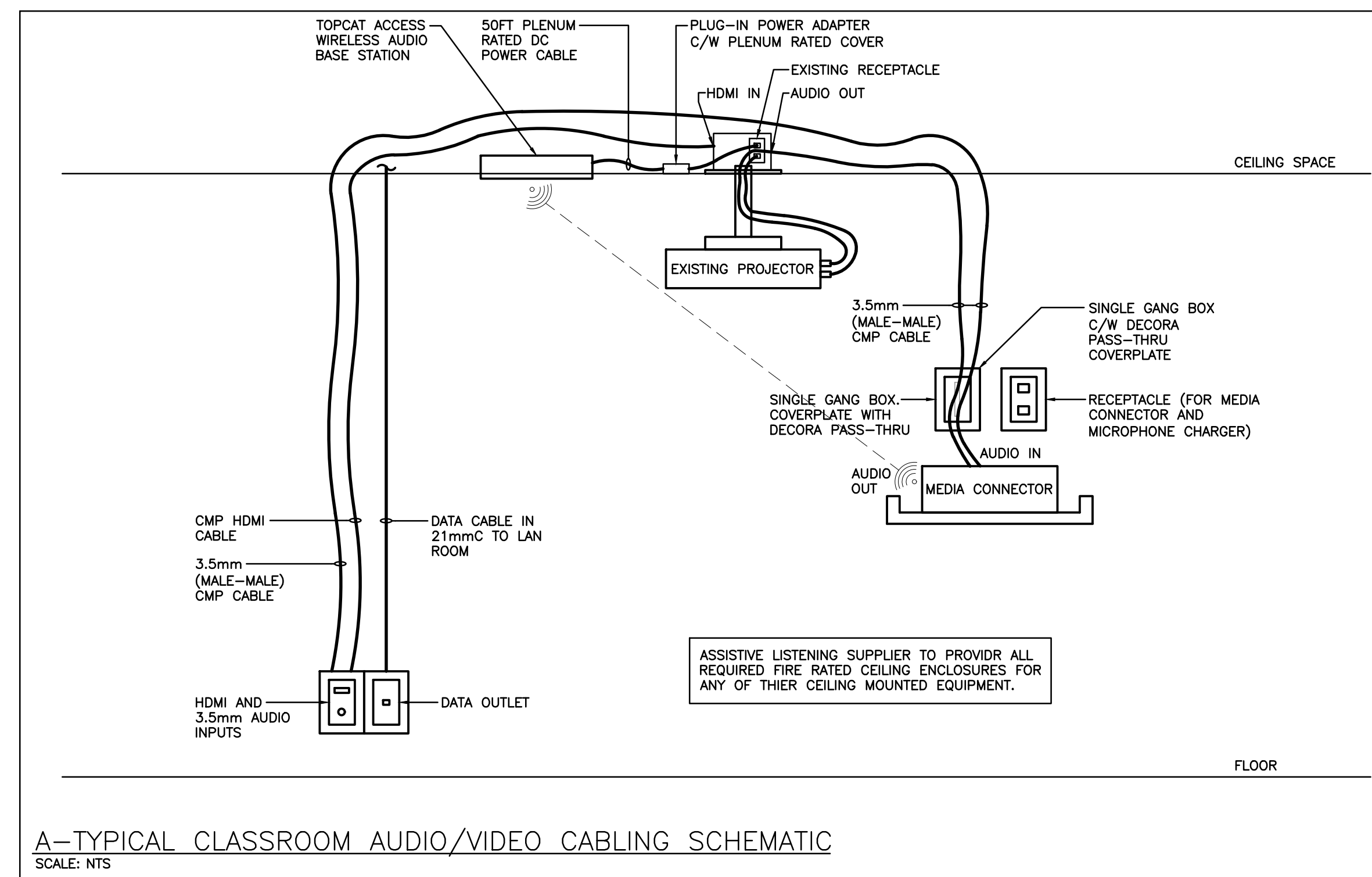
175 Main St. Cambridge, ON N1R 1W5



DISTRIBUTION RISER



SCALE	PROJECT
As indicated	20118
DATE	DECEMBER 2022
DRAWN	DRAWING
CHECKED	E08
PRINT DATE	2022-12-12
REVIT FILE	T:\2019\1512102\Revit.RVT



FIRE ALARM RISER DIAGRAM

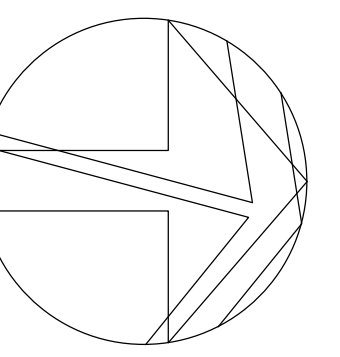
NOTES: REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.

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.
- LOCATE END OF LINE RESISTORS AND ISOLATOR MODULES IN SERVICE ROOMS AT ±1.8M AFF. PROVIDE LAMICOID LABEL INDICATING ZONE LABEL AND NUMBER.
- INDICATES EXISTING FIRE ALARM ZONE JUNCTION PANEL TO BE REMOVED AND REPLACED WITH FIRE ALARM ZONE JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION AND RECONNECTION OF CIRCUIT WIRING BACK TO EXISTING FIRE ALARM CONTROL PANEL. QUANTITY 5 (FIVE) EXISTING ZONE CIRCUITS ARE TO BE EXTENDED AND RECONNECTED.
- CONTACTS WITHIN THE CONTROLLER WILL BE PROVIDED BY THE ELEVATOR SUPPLIER. COORDINATE AND CONNECT ACCORDINGLY.
- UTILIZE EXISTING SPARE RELAY CONTACTS WITHIN CONTROL PANEL AS WELL AS RELAY BASE CONNECTIONS AT LOBBY AND MACHINE ROOM DEVICES FOR WIRED CONNECTIONS TO NEW ELEVATOR CONTROLLER. THESE CONTACTS ARE TO CLOSE WHEN RESPECTIVE ZONE/DEVICE ARE INITIATED.
- INDICATES EXISTING FIRE ALARM PANEL/ANNUNCIATOR TO BE UPDATED TO INCLUDE NEW ZONES TO SUIT RENOVATION WORK.
- INDICATES FIRE/SMOKE DAMPER ASSEMBLY C/W CONTACTS FOR ALARM AND LINE VOLTAGE POWER SUPERVISION. CONNECT ALARM CONTACT TO NEW MONITOR MODULE FROM EXISTING RESPECTIVE FLOOR ALARM ZONE AND DASHY CHAIN BETWEEN EACH DAMPER PER FLOOR. CONNECT NEW SUPERVISORY CONTACT TO NEW MONITOR MODULE ON NEW SUPERVISORY ZONE AND DASHY CHAIN BETWEEN EACH DAMPER PER FLOOR. FIRE/SMOKE DAMPER ASSEMBLY BY MECHANICAL TRADE.
- INDICATES NEW FIRE ALARM MODULE ON EXISTING OR NEW ALARM ZONE CIRCUIT FOR MONITORING OF FIRE/SMOKE DAMPER ALARM AND SUPERVISORY CONTACTS.
- INDICATES BOOSTER NOTIFICATION CIRCUIT DEVICES TO SUIT QUANTITY OF NEW SIGNAL DEVICES PER FLOOR. UTILIZE BRANCH LEG OF EXISTING FIRE ALARM SYSTEM POWER FEED AS 120V SOURCE FOR ANY REQUIRED BOOSTERS AND AS COMMON POINT FOR BACKING UP OF SYSTEM BY RENTAL GENERATOR.

FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory
1	LOWER LEVEL	•	
2	UPPER LEVEL	•	
3	LIBRARY	•	
4	GYM	•	
5	NEW ADDITION (2013)	•	
6	UPPER LEVEL FLOW (2013)	•	
7	UPPER LEVEL VALVE (2013)		•
8	MAIN INCOMING BACKFLOW 1		•
9	MAIN INCOMING BACKFLOW 2		•
10	ELEVATOR SHAFT	•	
11	ELEVATOR MACHINE ROOM	•	
12	FIRST FLOOR FIRE/SMOKE DAMPER 120V		•
13	SECOND FLOOR FIRE/SMOKE DAMPERS 120V		•



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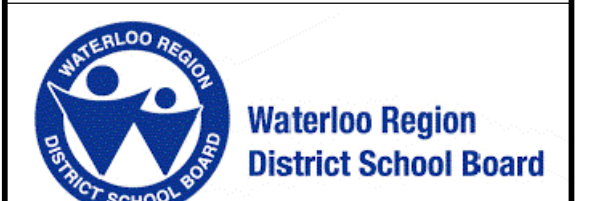
NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	12/12/22
1	ISSUED FOR TENDER REVIEW	11/17/22



Certificate of Practice # 4292

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175 Main St. Cambridge, ON N1R 1W5



FIRE ALARM RISER AND DETAILS



SCALE	PROJECT
As indicated	20118
DATE	DRAWING
DECEMBER 2022	E09
CHECKED	PRINT DATE
	2022-12-12
REVIT FILE	REVIT FILE
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