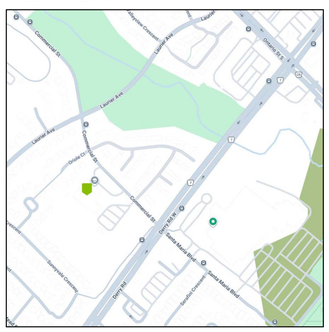
KEY PLAN



HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

OUR LADY OF VICTORY CES ADDITION & RENOVATION

540 COMMERCIAL STREET,
MILTON, ON L6T 3R2

MAY 2026

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 5V6
(905) 815-8284 admin@hossackarch.com

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5
Stephenson Engineering, a company of Salas O'Brien

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
93 Northfield Road,
Waterloo, ON, N2J 1Y8
Phone: 519-772-3353
Fax: 519-772-1515
Website: deiassociates.ca
Project Number: 24427

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

MGM CONSULTING INC
Consulting Engineering & Project Management
400 Bronte Street South
Suite 201
Milton, Ontario
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Fax: (905)875-1339
Email: mgm@mgm.on.ca
www.mgm.on.ca

OUR LADY OF VICTORY CES
ADDITION & RENOVATION

DRAWING LIST

ARCHITECTURAL

SV1	TOPOGRAPHICAL SITE SURVEY
SD1	DEMOLITION SITE PLAN
SP1	PROPOSED SITE PLAN
SP2	SITE PLAN DETAILS
SP3	PROPOSED SITE PLAN
CV-1	EROSION AND SEDIMENT CONTROL PLAN
CV-2	SITE SERVICING PLAN
CV-3	SITE GRADING PLAN
CV-4	DETAILS AND STANDARDS
TP-1	TREE INVENTORY & PRESERVATION PLAN
L1.1	LANDSCAPE PLAN
L1.2	EARLY LEARNING ENLARGEMENTS
L1.3	LANDSCAPE ENLARGEMENTS
L1.4	SUBDRAINAGE PLAN
L2.1	PLANTING PLAN
L3.1	DETAILS
L3.2	DETAILS
L3.3	EARLY LEARNING DETAILS
L3.4	EARLY LEARNING DETAILS
L3.5	EARLY LEARNING DETAILS
A01	FIRE SEPARATION & OBC MATIX
A02	DEMOLITION GROUND FLOOR PLAN
A03	DEMOLITION GROUND FLOOR RCP
A04	DEMOLITION ROOF PLAN
A05	PROPOSED GROUND FLOOR PLAN
A06	PROPOSED GROUND FLOOR RCP
A07	PROPOSED ROOF PLAN
A08	DEMO. & PROP. CANOPY AT MAIN ENTRANCE
A09	EXTERIOR ELEVATIONS AND BLDG. SECTIONS
A10	WALL SECTIONS & DETAILS
A11	WALL SECTIONS & DETAILS
A12	WALL SECTIONS
A13	WALL SECTIONS
A14	WALL SECTIONS AND PLAN DETAILS
A15	WASHROOM ENLARGEMENT & INTERIOR ELEVATIONS
A16	GYMNASIUM PLAN & DETAILS
A17	DEMO. & PROPOSED STAGE FLOOR PLAN
A18	CURTAIN WALL, WINDOW & SCREEN SCHEDULE
A19	GROUND FLOOR PATTERN PLAN

STRUCTURAL

S0-00	COVER PAGE
S1-00	DESIGN CRITERIA NOTES, MISC DETAILS AND SCHEDULES
S1-01	FOUNDATION PLAN
S1-02	ROOF FRAMING PLAN
S1-03	WIND UPLIFT DIAGRAM PLAN
S2-01	COLUMN SCHEDULE
S3-01	FOUNDATION SECTIONS
S4-01	ROOF SECTIONS
S5-01	GENERAL NOTES
S5-02	TYPICAL DETAILS
S5-03	TYPICAL DETAILS
S5-04	TYPICAL DETAILS

MECHANICAL

M101	SITE PLAN DEMOLITION, LEGEND & SCHEDULES
M102	SITE PLAN RENOVATION AND SCHEDULES
M103	SCHEDULES
M201	DEMOLITION GROUND FLOOR PLAN DRAINAGE
M202	RENOVATION GROUND FLOOR PLAN DRAINAGE
M301	DEMOLITION GROUND FLOOR PLAN PLUMBING
M302	RENOVATION GROUND FLOOR PLAN PLUMBING
M401	DEMOLITION GROUND FLOOR PLAN HYDRONIC
M402	RENOVATION GROUND FLOOR PLAN HYDRONIC
M501	DEMOLITION GROUND FLOOR PLAN FIRE PROTECTION
M502	RENOVATION GROUND FLOOR PLAN FIRE PROTECTION
M601	DEMOLITION GROUND FLOOR PLAN VENTILATION
M602	RENOVATION GROUND FLOOR PLAN VENTILATION
M701	MECHANICAL ROOM DEMOLITION AND RENOVATION
M702	MECHANICAL SCHEMATICS
M801	DEMOLITION ROOF PLAN MECHANICAL
M802	RENOVATION ROOF PLAN MECHANICAL
M901	DETAILS
M902	MECHANICAL SECTIONS

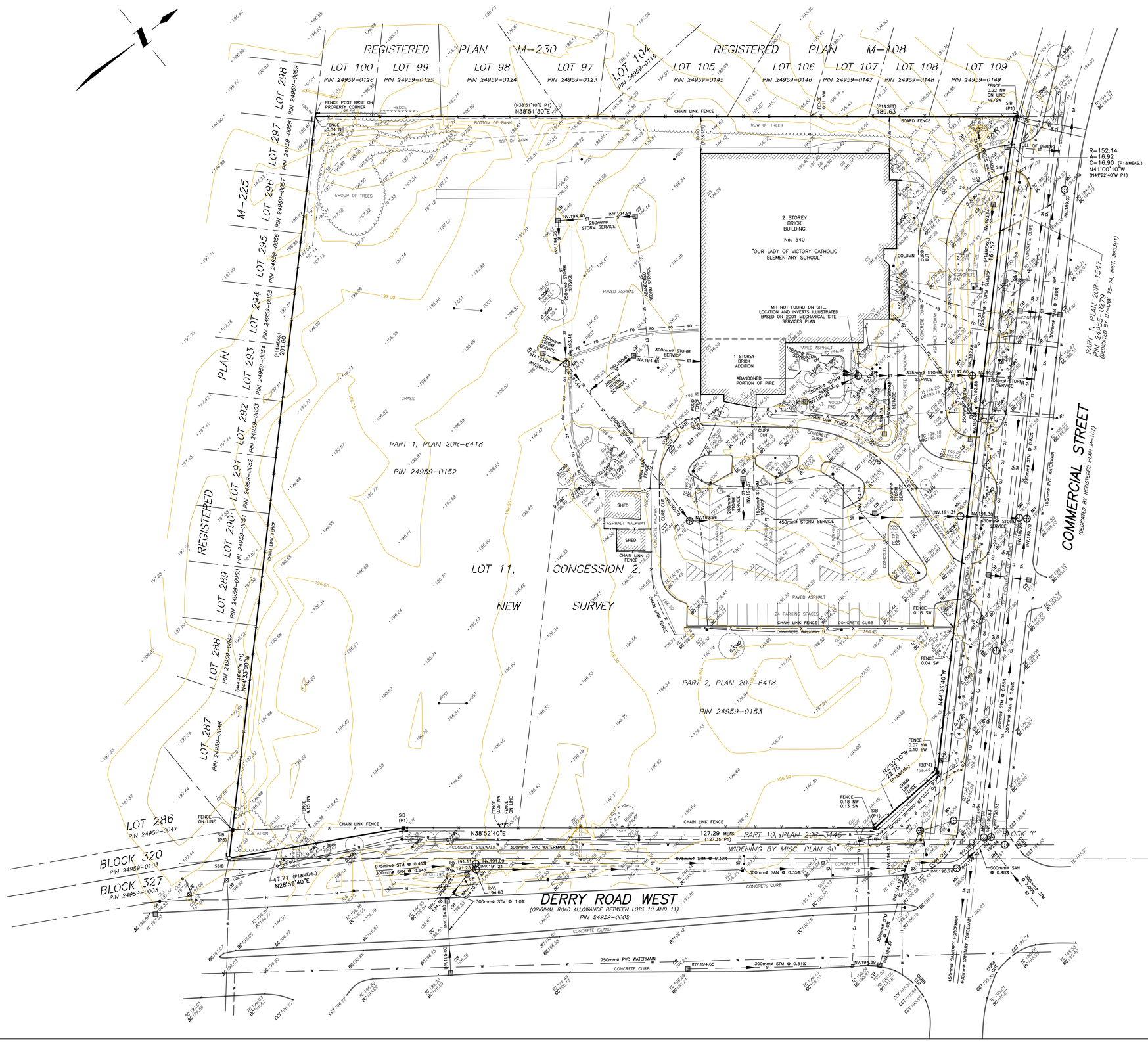
ELECTRICAL

E101	OVERALL SITE PLAN AND LEGEND
E102	DETAILS
E103	LIGHTING CONTROL DETAILS AND SCHEDULES
E104	EQUIPMENT WIRING SCHEDULE AND LIGHTING SCHEDULE
E201	DEMOLITION GROUND FLOOR PLAN LIGHTING
E202	RENOVATION GROUND FLOOR PLAN LIGHTING
E301	DEMOLITION GROUND FLOOR PLAN POWER & SYSTEMS
E302	RENOVATION GROUND FLOOR PLAN POWER & SYSTEMS
E303	ROOFTOP DEMOLITION PLANS
E304	ROOFTOP RENOVATION PLANS
E401	ENLARGED PLANS
E501	DISTRIBUTION RISER
E502	PANEL SCHEDULE
E601	P.A. AND TELECOM RISERS
E701	FIRE ALARM RISER

SET No.

PROJECT NUMBER

25106



PLAN OF SURVEY WITH TOPOGRAPHY OF

PART OF LOT 11
CONCESSION 2, NEW SURVEY

(FORMERLY TOWNSHIP OF TRAFALGAR)

TOWN OF MILTON

REGIONAL MUNICIPALITY OF HALTON

SCALE 1 : 500

10 5 0 10 20 30 metres

TARASICK McMILLAN KUBICKI LIMITED
ONTARIO LAND SURVEYORS

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REPORT SUMMARY

PROPERTY DESCRIPTION: 540 COMMERCIAL STREET, BEING PART OF LOT 11, CONCESSION 2, NEW SURVEY (FORMERLY TOWNSHIP OF TRAFALGAR), DESIGNATED AS PARTS 1 AND 2, PLAN 20R-6418, TOWN OF MILTON, REGIONAL MUNICIPALITY OF HALTON, PIN 24959-0152 & PIN 24959-0153.

EASEMENTS/RIGHTS-OF-WAY: NONE REGISTERED ON TITLE.

COMMENTS: NOTE THE LOCATION OF FENCES.

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES SHOWN ON THIS PLAN IS ONLY APPROXIMATE AND IS FOR PLANNING AND DESIGN PURPOSES ONLY. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE AND AN ON-SITE LOCATE MUST BE ORDERED PRIOR TO ANY EXCAVATION. TARASICK McMILLAN KUBICKI LIMITED ACCEPTS NO RESPONSIBILITY FOR ANY CLAIMS OR LOSSES DUE TO IMPROPER USE OF THIS INFORMATION.

ELEVATION NOTE

ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928, AND WERE DERIVED FROM TOWN OF MILTON BENCHMARK No. 39, HAVING A PUBLISHED ELEVATION OF 194.956 metres.

BEARING NOTE

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE SOUTHWESTERLY LIMIT OF COMMERCIAL STREET AS SHOWN ON PLAN 20R-6418, HAVING A BEARING OF N44°33'40"W.

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT PLANTED
IB	DENOTES	IRON BAR
SIB	DENOTES	STANDARD IRON BAR
SSIB	DENOTES	SHORT STANDARD IRON BAR
TC	DENOTES	TOP OF CURB
BC	DENOTES	BOTTOM OF CURB
CCT	DENOTES	CURB CUT
BB	DENOTES	BELL BOX
CB	DENOTES	CATCH BASIN
CUP	DENOTES	CONCRETE UTILITY POLE
DS	DENOTES	DOORSILL
GUY	DENOTES	GUY WIRE ANCHOR
INV	DENOTES	INVERT
SLS	DENOTES	STREET LIGHT STANDARD
UB	DENOTES	UTILITY BOX
WV	DENOTES	WATER VALVE
P1	DENOTES	PLAN 20R-6418
P2	DENOTES	FRED G. CUNNINGHAM INC., O.L.S., JUNE 1, 1984
P3	DENOTES	REGISTERED PLAN M-225
P4	DENOTES	PLAN 20R-3145
— SA —	DENOTES	UNDERGROUND SANITARY SERVICE
— ST —	DENOTES	UNDERGROUND STORM SERVICE
— W —	DENOTES	UNDERGROUND WATER SERVICE
— H —	DENOTES	UNDERGROUND HYDRO SERVICE
— FO —	DENOTES	UNDERGROUND FIBRE OPTIC SERVICE
— R —	DENOTES	UNDERGROUND ROGERS SERVICE
— B —	DENOTES	UNDERGROUND BELL SERVICE
0.20øD	DENOTES	DECIDUOUS TREE WITH TRUNK DIAMETER
0.20øC	DENOTES	CONIFEROUS TREE WITH TRUNK DIAMETER

TREE CANOPIES ARE DRAWN TO SCALE.

PREPARED FOR:

THIS REPORT WAS PREPARED FOR THE HALTON CATHOLIC DISTRICT SCHOOL BOARD AND THE UNDERSIGNED ACCEPTS NO RESPONSIBILITY FOR USE BY OTHER PARTIES.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON JULY 29, 2025.

AUGUST 6, 2025
DATE

STEFAN JOANNOU
ONTARIO LAND SURVEYOR

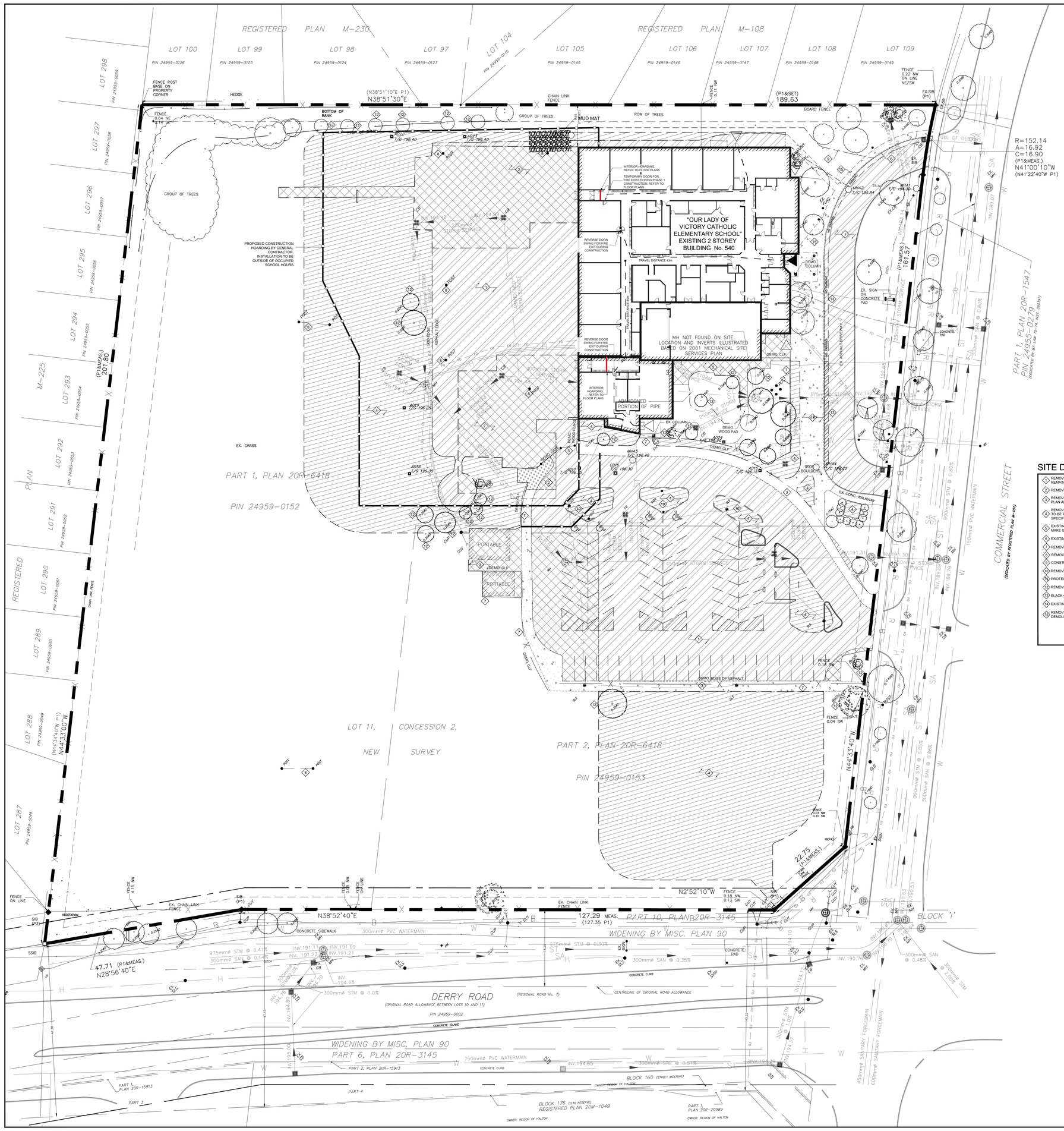
ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-107557

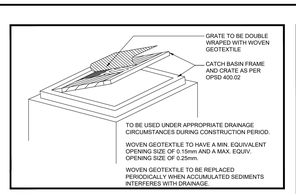
THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
In accordance with Regulation 1026, Section 29(3)

TARASICK McMILLAN KUBICKI LIMITED
ONTARIO LAND SURVEYORS
4181 SLADEVIEW CRESCENT, UNIT 42, MISSISSAUGA, ONTARIO L5L 5R2
TEL: (905) 569-8849 FAX: (905) 569-3160
E-MAIL: office@tmksurveyors.com

DRAWN BY: K.H./F.B.	FILE No. 10492-SRPR-T

D (24"x36")





2 SD1 CB SEDIMENT BARRIER @ PAVING
SCALE NTS

GENERAL NOTES

NOTES:

1. All work involved in the construction, relocation, repair of municipal services for the project shall be to the satisfaction of the Director of Planning, Planning and Economic Development Department.
2. Fire Route Signs and 3-Way Fire Hydrants shall be established to the satisfaction of the City Fire Department and at the expense of the owner.
3. Main driveway dimensions at the property line boundaries are plus or minus 7.5 m unless otherwise stated.
4. For visibility triangles at the vehicular access points, the following note to be provided: "5 metre by 5 metre visibility triangles in which the maximum height of any objects or mature vegetation is not to exceed a height of 0.70 metres above the corresponding perpendicular centreline elevation of the adjacent street."
5. All driveways from property lines for the first 7.5 m shall be within 5% maximum grade, thereafter, all driveways shall be within 10% maximum grades.
6. The approval of this plan does not exempt the owner's bonded contractor from the requirements to obtain the various permits/approvals normally required to complete a construction project, such as, but not limited to the following:
   - Building permits
   - Sewer and water permits
   - Road permits
   - Relocation of services
   - Approach approval permits
   - Encroachment Agreements (if required)
   - Committee of Adjustment
7. Abandoned accesses must be removed and the curb and boulevard restored with sod at the owner's expense to the satisfaction of the Traffic Engineering Section, Public Works Department.
8. All signs must comply with Sign Bylaw No. 10-197.
9. Refer to AD Drawing 100 for weeping tile required at perimeter and interior of building at footing levels. AD 100 to be read in conjunction with Site Servicing Drawing and Landscape Drawings for additional weeping tile requirements.
10. Lighting must be directed on site and must no spill over to adjacent properties or streets.

CONTEXT PLAN

LEGEND

- SURVEY MONUMENT FOUND
- SURVEY MONUMENT PLANTED
- IB IRON BAR
- SIB STANDARD IRON BAR
- SSIB SHORT STANDARD IRON BAR
- TC TOP OF CURB
- BC BOTTOM OF CURB
- CCT CURB CUT
- BB BELL BOX
- CB CATCH BASIN
- CUP CONCRETE UTILITY POLE
- DS DOORSILL
- GUY GUY WIRE ANCHOR
- INV INVERT
- SLS STREET LIGHT STANDARD
- UB UTILITY BOX
- WV WATER VALVE
- P1 PLAN 20R-6418
- P2 FRED G. CUNNINGHAM INC., O.L.S., JUNE 1, 1984
- P3 REGISTERED PLAN M-225
- P4 PLAN 20R-3145
- PROPOSED SIGNAGE
- FH FIRE HYDRANT
- MH MANHOLE
- CB CATCH BASIN DC DEPRESSED CURB
- MAIN SCHOOL ENTRANCE
- SECONDARY SCHOOL ENTRANCE
- SLS PROPOSED LIGHT STANDARD (REFER TO ELECTRICAL DRAWINGS)
- EX.SLS EXISTING STREET LIGHT STANDARD
- WP PROPOSED WALL PACK (REFER TO ELECTRICAL DRAWINGS)
- EXISTING FENCE TO BE REMOVED
- NEW BLACK VINYL CHAINLINK FENCE (HEIGHT AS INDICATED)
- WEEPING TILE (NOT SHOWN. SEE GEN NOTE #9)
- GAS LINE
- UNDERGROUND HYDRO
- STORM SEWER
- SANITARY SEWER
- FENCELINE
- EDGE OF BUSH
- TOP OF BANK (TB)
- BOTTOM OF BANK (BB)
- FENCELINE
- FO UNDERGROUND FIBRE OPTIC SERVICE
- R UNDERGROUND ROGERS SERVICE
- B UNDERGROUND BELL SERVICE
- BO BOLLARD AD 210
- BOREHOLE
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- UP UTILITY POLE
- GUY GUY WIRE/POLE
- 0.20DD DECIDUOUS TREE WITH TRUNK DIAMETER
- 0.20DC CONIFEROUS TREE WITH TRUNK DIAMETER

TREE CANOPIES ARE DRAWN TO SCALE.

SITE DEMOLITION NOTES:

1. REMOVE EXISTING ASPHALT LAYER (TOP COAT) TO EXTENT SHOWN FOR NEW ASPHALT LAYER (TOP COAT) REFER TO SPECIFICATIONS & SP2. FINAL GRADE ELEVATIONS TO REMAIN THE SAME IN AREA OF EXISTING ASPHALT TO RECEIVE NEW ASPHALT COAT.
2. REMOVE EXISTING ASPHALT AND SUB-BASE TO EXTENT SHOWN IN HATCHED AREA. REFER TO PROPOSED SITE PLAN. REFER TO SPECIFICATIONS & AD DRAWINGS.
3. REMOVE EXISTING CONCRETE SIDEWALK AND SUB-BASE AS REQUIRED FOR NEW ASPHALT AND SUB BASE. CUT SIDEWALK AT EXISTING JOINT LINES. REFER TO DEMOLITION SITE PLAN AND CIVIL DWGS. REFER TO SPECIFICATIONS & AD DRAWINGS.
4. REMOVE EXISTING SOD AND SUB-BASE AS REQUIRED TO EXTENT SHOWN IN HATCHED AREA. CUT BACK EXISTING LANDSCAPING AS REQUIRED. EXISTING LANDSCAPE TO REMAIN TO BE PROTECTED DURING CONSTRUCTION. ANY LANDSCAPING THAT IS DAMAGED IS TO BE REPLACED BY CONTRACTOR. REFER TO PROPOSED SITE PLAN. REFER TO SPECIFICATIONS & AD DRAWINGS.
5. EXISTING BOLLARDS TO BE RELOCATED AND SAFELY STORE ON SITE DURING CONSTRUCTION. RE-INSTALL IN LOCATIONS TO BE CONFIRMED ON SITE WITH OWNER. PATCH AND MAKE GOOD EXISTING SURFACES TO SUIT PROPOSED LAYOUT.
6. EXISTING CURB TO BE DEMOLISHED AND REBUILT, TO EXTENT. REFER TO CIVIL DWGS. SPECIFICATIONS & AD DWGS.
7. REMOVE EXISTING CHAIN LINK FENCING, POSTS AND ASSOCIATED FOUNDATIONS TO EXTENT SHOWN. PATCH AND MAKE GOOD EXISTING SURFACES TO SUIT PROPOSED LAYOUT.
8. REMOVE AND DISPOSE OF EXISTING SOCCER GOAL POST, INCLUDING FOUNDATIONS. PATCH, FILL AND MAKE GOOD EXISTING SOD AND SUBBASE TO SUIT PROPOSED LAYOUT.
9. CONSTRUCTION ACCESS. ONCE CONSTRUCTION IS DONE, REFER TO PROPOSED DWGS FOR NEW SURFACES. REFER TO CIVIL LANDSCAPE DWGS AS REQUIRED.
10. REMOVE EXISTING PARKING SIGNS. HAND OVER TO OWNER.
11. PROTECT ALL CATCH BASINS IN CONSTRUCTION AREA TYP. PER DETAIL THIS PAGE.
12. REMOVE EXISTING TREES AND VEGETATION AS INDICATED INCLUDING FULL ROOT SYSTEM. PATCH AND MAKE GOOD SURFACE TO SUIT NEW LAYOUT.
13. BLACK OUT EXISTING PAINT LINES. REFER TO SP1 FOR NEW PAINT LINES.
14. EXISTING SOD AND EARTH TO BE REMOVED FOR NEW SWALE, RETENTION POND & RE-GRADING. REFER TO CIVIL DRAWINGS FOR PROPOSED DEPTH & GRADES.
15. REMOVE EXISTING CONCRETE SIDEWALK AND SUB-BASE AS REQUIRED FOR NEW CONCRETE SIDEWALK AND SUB BASE. CUT SIDEWALK AT EXISTING JOINT LINES. REFER TO DEMOLITION SITE PLAN AND CIVIL DWGS. REFER TO SPECIFICATIONS & AD DRAWINGS.

PROJECT NORTH
TRUE NORTH

DEMO. LEGEND

- EXISTING ASPHALT & SUB BASE TO BE REMOVED
- EXISTING ASPHALT TOP COAT TO BE REMOVED
- EXISTING SOD AND SUB-GRADE TO BE REMOVED REFER TO SITE PLAN AND CIVIL DRAWINGS
- EXISTING CONCRETE SIDEWALK TO BE SAWCUT REMOVED
- EXISTING CONCRETE SIDEWALK AND SUB BASE REMOVED
- EXISTING SOD & EARTH REMOVAL & RE-GRADING SWALE AND RETENTION POND. REFER TO CIVIL FOR DEPTH REQUIRED.
- TEMPORARY COVERED WALKWAY FROM EXISTING FOR STUDENT SAFETY

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	26-05-11
2	ISSUED FOR PERMIT	26-03-31
1	ISSUED FOR SPA	26-02-20

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 PROHIBITED WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADUCEUR
LICENCE 6053
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL ST.
MILTON, ON

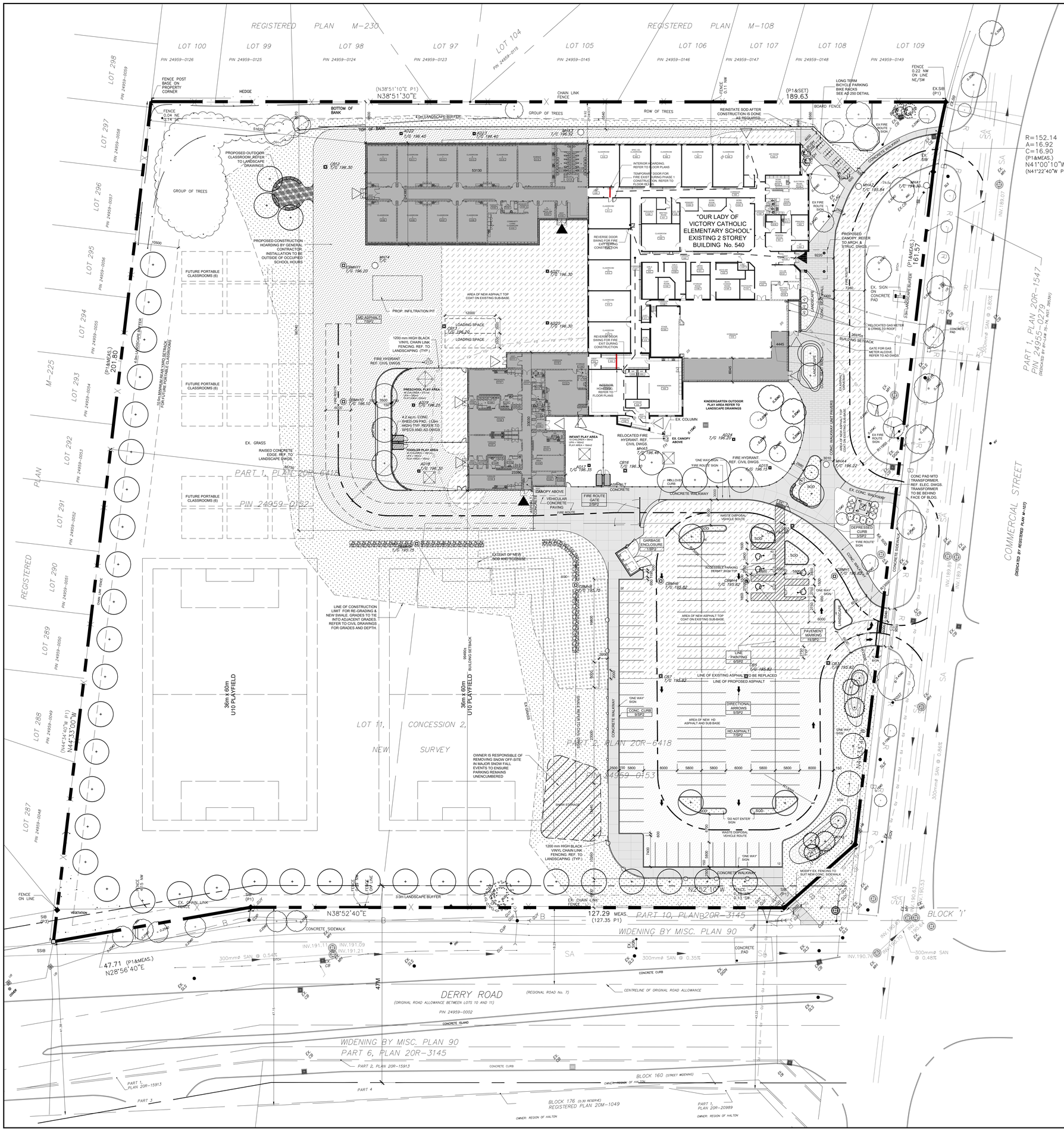
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION SITE PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 5V8
(905) 319-8291 admin@hossackarch.com

SCALE 1:300	PROJECT 25106
DATE May 2026	
DRAWN TC/JK	DRAWING SD1
CHECKED PL	
PRINT DATE	May 2026
CAD FILE	T:\2025\25106\02



STATISTICS

SITE PLAN AND BUILDING STATISTICS

ZONING — Neighborhood Institutional 'I-A' Zone

LEGAL DESCRIPTION :
Lot 11, Concession 2 City of Milton,
Registered Plan 20R-6418

PROPOSED OCCUPANCY:
Elementary School, Kindergarten - Grade 8 + 5 Childcare

LOT AREA (35,380 m²) 3.53 HECTARES

LOT COVERAGE & ZONING

Building Coverage	5,151m² (14.5 %)
Building Height	7.9 m
Minimum Yard	3.0m where the lot line abuts a Residential Zone lot line.

AREAS

EX.GROUND F.L.	2,933 sq.m. (31,538 sq.ft.)
CLASSROOM ADDITION	1,220 sq.m. (13,130 sq.ft)
GYMNASIUM ADDITION	170 sq.m. (1,830 sq.ft.)
CHILDCARE ADDITION	798 sq.m. (8,590 sq.ft.)
TOTAL GFA	5,121 sq.m. (55,121 sq.ft.)

SCHOOL RENOVATIONS	567 sq.m. (6,100 sq.ft)
LANDSCAPE AREA	18,051 m² (51.0 %)
PAVED SURFACE AREA	12,178 m² (34.4 %)

PARKING:
Milton Zoning By-law No.016-2014

SCHOOL:

ELEMENTARY SCHOOLS - 2 FOR EACH CLASSROOM

EXISTING SCHOOL - 16 CLASSROOMS
- 16 X 2 = 32 **(32 SPACES REQUIRED)**

PROPOSED ADDITION - 11 CLASSROOMS
- 11 X 2 = 22 **(22 SPACES REQUIRED)**

PROPOSED CHILD CARE:
- 1.5 SPACE PER CLASSROOM
- PLUS 1 SPACE PER 30m2 OF GFA.

CHILDCARE - 5 CLASSROOMS

- 5 X 1.5 = 7.5 **(8 SPACES REQ.)**
- 60M/30 = 20.13 **(21 SPACES REQ.)**

BARRIER FREE PARKING
101-200 REQUIRED SPACES
1 ACCESSIBLE SPACE + 3%

(5) SPACE REQUIRED

PARKING REQUIREMENT:

	REQ'	PROVIDED
EXISTING SCHOOL	32	35
PROPOSED ADDITION	22	22
CHILD CARE	29	29
18 PORTABLE CLASSROOMS	36	36
TOTAL	119	120
BARRIER FREE	5	5
LOADING SPACES	0	(INCL. ABOVE) 0

SITE STATISTICS (Institutional "I-A" Zone)

Details of Development	Required	Proposed
Lot Area (min.-max.)	1-4.0 ha	3.53 ha
Lot Frontage (min.)	50m	169m
Building Coverage (max.)	30%	14.5%
Gross Floor Area (max.)	n/a	5,151 sq.m.
Building Height (Max.)	12.5m	7.9m
Number of Parking Spaces	119 spaces	122 spaces
Number of Loading Spaces	0	0
Landscaped Area (min.)	20%	51%
Setbacks (min.)		
Front Yard	3.0m	27m
Interior Side Yard	9.0m	9.8m
Exterior Side Yard	3.0m	99.4m
Rear Yard	10.5m	51.6m

LEGEND

- SURVEY MONUMENT FOUND
- SURVEY MONUMENT PLANTED
- IB — IRON BAR
- SIB — STANDARD IRON BAR
- SSIB — SHORT STANDARD IRON BAR
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- CCT — CURB CUT
- BB — BELL BOX
- CB — CATCH BASIN
- CUP — CONCRETE UTILITY POLE
- DS — DOORSILL
- GUY — GUY WIRE ANCHOR
- INV — INVERT
- SLS — STREET LIGHT STANDARD
- UB — UTILITY BOX
- WV — WATER VALVE
- P1 — PLAN 20R-6418
- P2 — FRED G. CUNNINGHAM INC., O.L.S., JUNE 1, 1984
- P3 — REGISTERED PLAN M-225
- P4 — PLAN 20R-3145
- PROPOSED SIGNAGE
- FH — FIRE HYDRANT
- MH — MANHOLE
- CB — CATCH BASIN
- DC — DEPRESSED CURB
- MAIN SCHOOL ENTRANCE
- SECONDARY SCHOOL ENTRANCE
- SLS — PROPOSED LIGHT STANDARD (REFER TO ELECTRICAL DRAWINGS)
- EX.SLS — EXISTING STREET LIGHT STANDARD
- WP — PROPOSED WALL PACK (REFER TO ELECTRICAL DRAWINGS)
- EXISTING FENCE TO BE REMOVED
- NEW BLACK VINYL CHAINLINK FENCE (HEIGHT AS INDICATED)
- WEEPING TILE (NOT SHOWN. SEE GEN NOTE #9)
- GAS LINE
- UNDERGROUND HYDRO
- STORM SEWER
- SANITARY SEWER
- FENCELINE
- EDGE OF BUSH
- TOP OF BANK (TB)
- BOTTOM OF BANK (BB)
- FENCELINE
- FO — UNDERGROUND FIBRE OPTIC SERVICE
- R — UNDERGROUND ROGERS SERVICE
- B — UNDERGROUND BELL SERVICE
- BOLLARD 13SP2
- BOREHOLE
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- UP — UTILITY POLE
- GUY — GUY WIRE/POLE
- 0.20ØD DECIDUOUS TREE WITH TRUNK DIAMETER
- 0.20ØC CONIFEROUS TREE WITH TRUNK DIAMETER

TREE CANOPIES ARE DRAWN TO SCALE.

PROJECT NORTH
TRUE NORTH

LEGEND

- NEW ASPHALT ON EXISTING SUB-BASE
- NEW HD ASPHALT AND SUB-BASE
- NEW POURED CONCRETE PAD
- NEW SOD
- NEW SOD & SUB BASE. REFER TO LANDSCAPE DWGS.
- LANDSCAPE AREA. REFER TO LANDSCAPE DWGS.
- LINE PAINTING
- TWIS-TACTILE WARNING SURFACE INDICATOR. REF. SPECS.
- UNIT PAVING. REFER TO LANDSCAPE DWGS.
- CONCRETE WALKWAY. REFER TO LANDSCAPE DWGS.
- MULCH. REFER TO LANDSCAPE DWGS.
- BIO RETENTION POND. REFER TO CIVIL DWGS.
- EXTEND OF PROPOSED ADDITION AND BUILDING EXPANSION

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	26 05 11
3	ISSUED FOR MINOR VARIANCE	26 04 20
2	ISSUED FOR PERMIT	26 03 31
1	ISSUED FOR SPA	26 02 20

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADUCEUR
LICENCE 6003

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL ST.
MILTON, ON

LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROPOSED SITE PLAN

HOSSACK ARCHITECTURE

105 - 1929 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 619-0291 admin@hossackarch.com

SCALE 1:300	PROJECT 25106
DATE May 2026	
DRAWN TC/JK	DRAWING SP1
CHECKED PL	
PRINT DATE	May 2026
CAD FILE	T:\2025\25106\02

TYPICAL LETTER DIMENSIONS:

FONT COLOUR: YELLOW
FONT TYPE: HELVETICA
THICKNESS: 75mm (3")
HEIGHT: 750mm(29 1/2")
WIDTH: 450mm(18")

14 SP2 PAVEMENT PARKING MESSAGES
SCALE NTS

FIRE ROUTE SIGN NOTES:

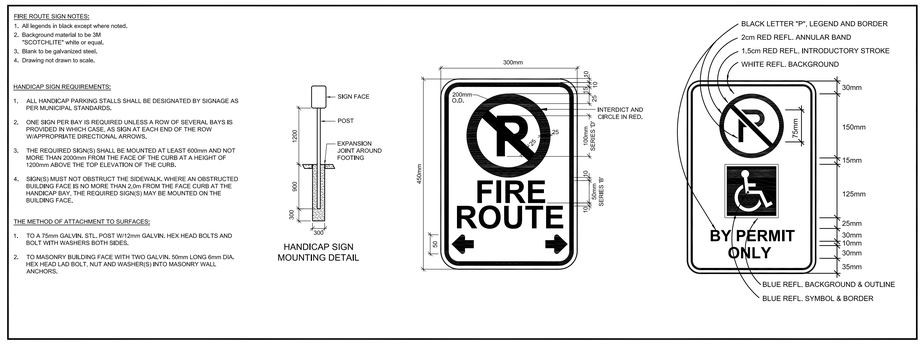
1. All legends in black except where noted.
2. Background material to be 3M "SCOTCHLITE" white or equal.
3. Blank to be galvanized steel.
4. Drawing not drawn to scale.

HANDICAP SIGN REQUIREMENTS:

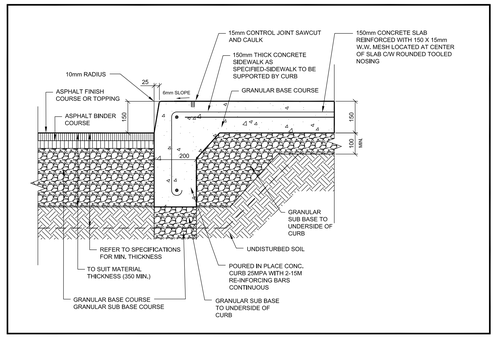
1. ALL HANDICAP PARKING STALLS SHALL BE DESIGNATED BY SIGNAGE AS PER MUNICIPAL STANDARDS.
2. ONE SIGN PER BAY IS REQUIRED UNLESS A ROW OF SEVERAL BAYS IS PROVIDED IN WHICH CASE, AS SIGN AT EACH END OF THE ROW WIAPPROPRIATE DIRECTIONAL ARROWS.
3. THE REQUIRED SIGN(S) SHALL BE MOUNTED AT LEAST 600mm AND NOT MORE THAN 2000mm FROM THE FACE OF THE CURB AT A HEIGHT OF 1200mm ABOVE THE TOP ELEVATION OF THE CURB.
4. SIGN(S) MUST NOT OBSTRUCT THE SIDEWALK, WHERE AN OBSTRUCTED BUILDING FACE IS NO MORE THAN 2.0m FROM THE FACE CURB AT THE HANDICAP BAY, THE REQUIRED SIGN(S) MAY BE MOUNTED ON THE BUILDING FACE.

THE METHOD OF ATTACHMENT TO SURFACES:

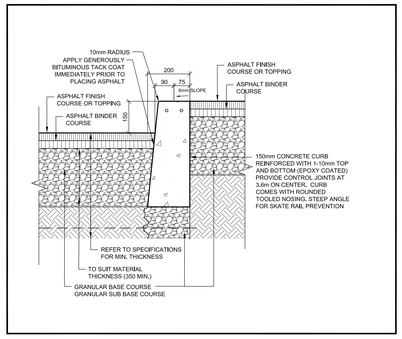
1. TO A 75mm GALV9N. STL. POST W/12mm GALV9N. HEX HEAD BOLTS AND BOLT WITH WASHERS BOTH SIDES.
2. TO MASONRY BUILDING FACE WITH TWO GALVIN. 50mm LONG 6mm DIA. HEX HEAD LAG BOLT, NUT AND WASHER(S) INTO MASONRY WALL ANCHORS.



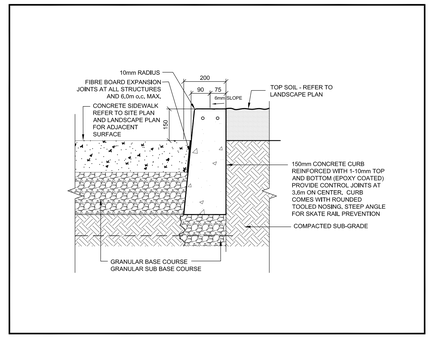
15 SP2 SITE SIGNAGE
SCALE NTS



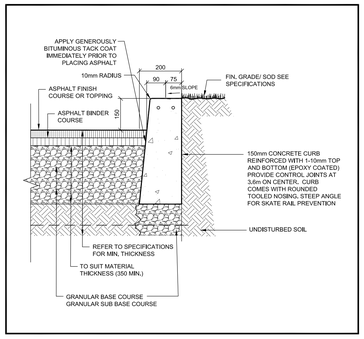
9 SP2 CONCRETE CURB AT ASPHALT WALKWAY
SCALE 1:10



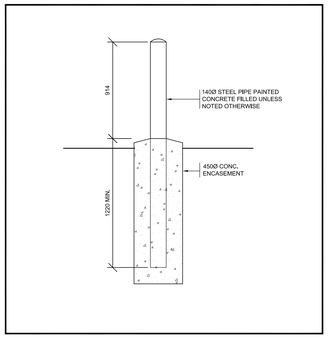
10 SP2 CONCRETE CURB AT ASPHALT WALKWAY
SCALE 1:10



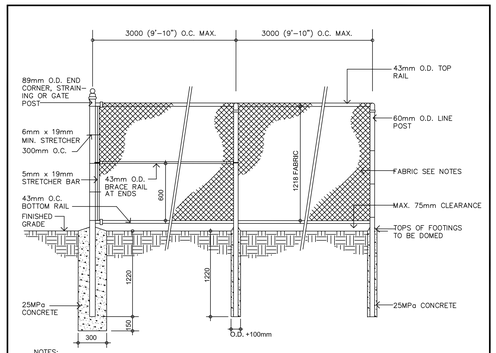
11 SP2 CONCRETE CURB AT LANDSCAPE
SCALE 1:10



12 SP2 CONCRETE CURB AT SOD
SCALE 1:10



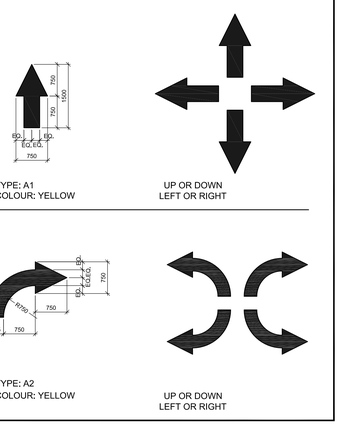
13 SP2 BOLLARD DETAIL
SCALE 1:20



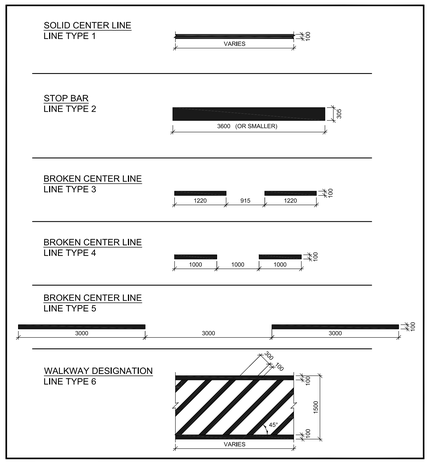
NOTES:

1. Fabric to be black vinyl coated, 38mm woven mesh 1218mm high 3.5 (9 gauge) galvanized wire fastened top rail, barace rail, line post, stretcher bar and bottom rail with 3.5 galvanized wire 457mm (18") O.C..
2. Finish to be black glass enamel by powder coart application. Prioer to powder coarting, all surface to be chemically cleaned and treated with Parker Bonderite and chlorothenesolvent or approved equals. Powder coart must be a polyester 2000 series applied in a thickness of 4~5 mils by electrostatic coat and oven cured to a smooth and even surface.
3. All fence posts and rails to be schedule "40" pipe.
4. No plastic fittings or components are to be used.
5. All dimensions in millimetres.

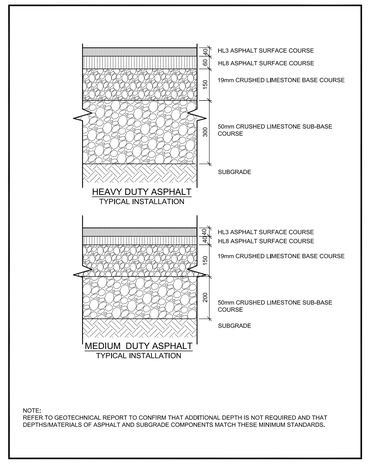
4 SP2 TYP CHAIN LINK FENCE DETAILS
SCALE NTS



5 SP2 PAVEMENT DIRECTIONAL ARROWS
SCALE 1:50

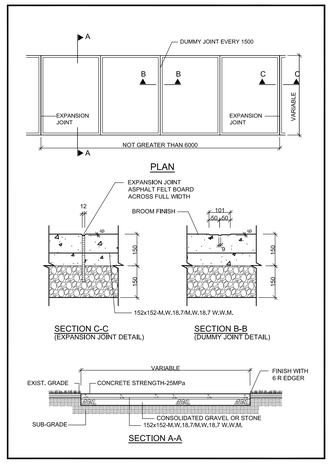


6 SP2 PAVEMENT MARKING LINES
SCALE 1:50

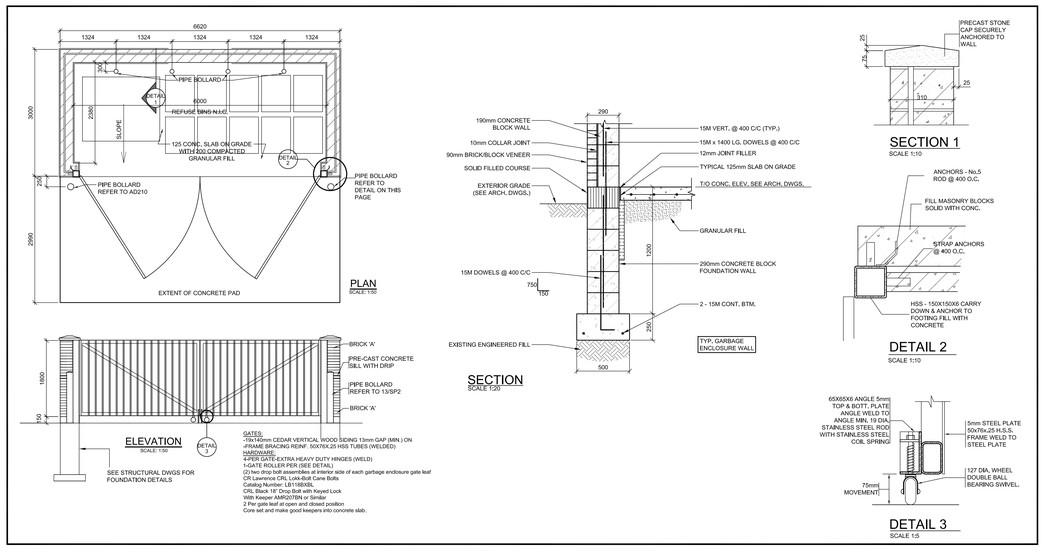


NOTE:
REFER TO GEOTECHNICAL REPORT TO CONFIRM THAT ADDITIONAL DEPTH IS NOT REQUIRED AND THAT DEPTHS/MATERIALS OF ASPHALT AND SUBGRADE COMPONENTS MATCH THESE MINIMUM STANDARDS.

7 SP2 ASPHALT DETAIL
SCALE NTS

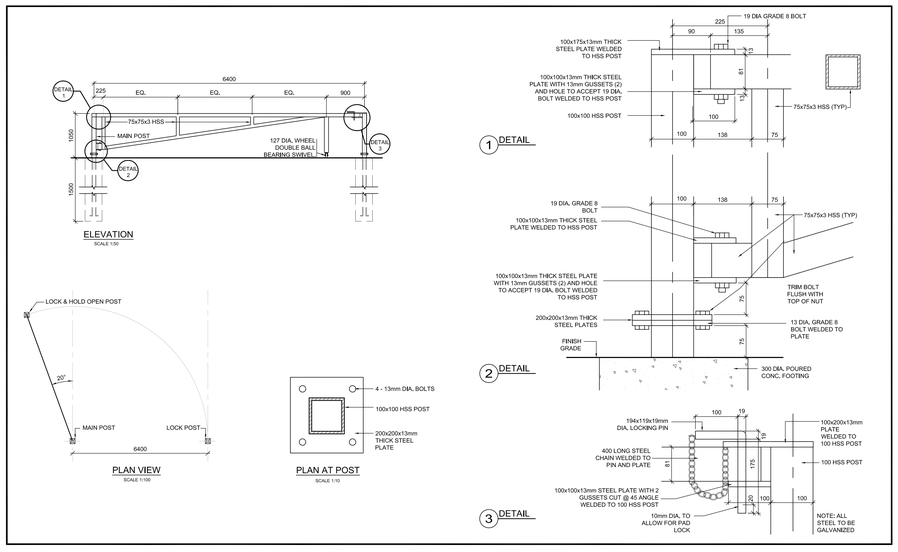


8 SP2 CONCRETE SIDEWALK DETAIL
SCALE NTS

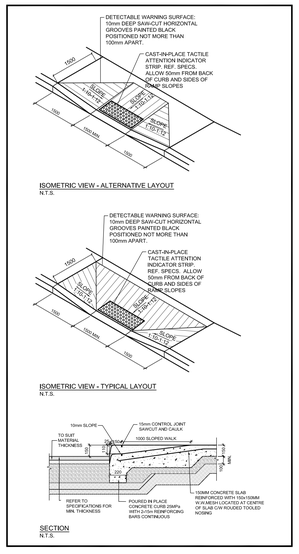


GATES:
-19x140mm CEDAR VERTICAL WOOD SIDING 13mm GAP (MIN.) ON
-FRAME BRACING REINF. 50X76X.25 HSS TUBES (WELDED)
HARDWARE:
4-PER GATE-EXTRA HEAVY DUTY HINGES (WELD)
1-GATE ROLLER PER (SEE DETAIL)
1-Gate Latch Mechanism mounted on inside of each garbage enclosure gate leaf
CR Lawrence CRL Lock-Bolt Cane Bolts
Catalog Number: LB118BXEL
CRL Black 18" Drop Bolt with Keyed Lock
With Keeper AMR207BN or Similar
2 Per gate leaf at open and closed position
Core set and make good keepers into concrete slab.

1 SP2 GARBAGE ENCLOSURE
SCALE AS NOTED



2 SP2 FIRE ROUTE GATE
SCALE AS NOTED



3 SP2 DEPRESSED CURB DETAIL (DC)
SCALE NTS

LEGEND

- NEW ASPHALT ON EXISTING SUB-BASE
- NEW HD ASPHALT AND SUB-BASE
- NEW POURED CONCRETE PAD
- NEW SOD
- NEW SOD & SUB BASE. REFER TO LANDSCAPE DWGS
- LANDSCAPE AREA. REFER TO LANDSCAPE DWGS.
- LINE PAINTING
- TWS-TACTILE WARNING SURFACE INDICATOR, REF. SPECS.
- UNIT PAVING. REFER TO LANDSCAPE DWGS.
- CONCRETE WALKWAY. REFER TO LANDSCAPE DWGS.
- MULCH. REFER TO LANDSCAPE DWGS.

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	26.05.11
2	ISSUED FOR PERMIT	26.03.31
1	ISSUED FOR SPA	26.02.20

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOBSITE AND REPORT ANY ERRORS AND OMISSIONS 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
MAY 12/26
PRISCILLA LADUCEUR
LICENCE 5053
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL ST, MILTON, ON

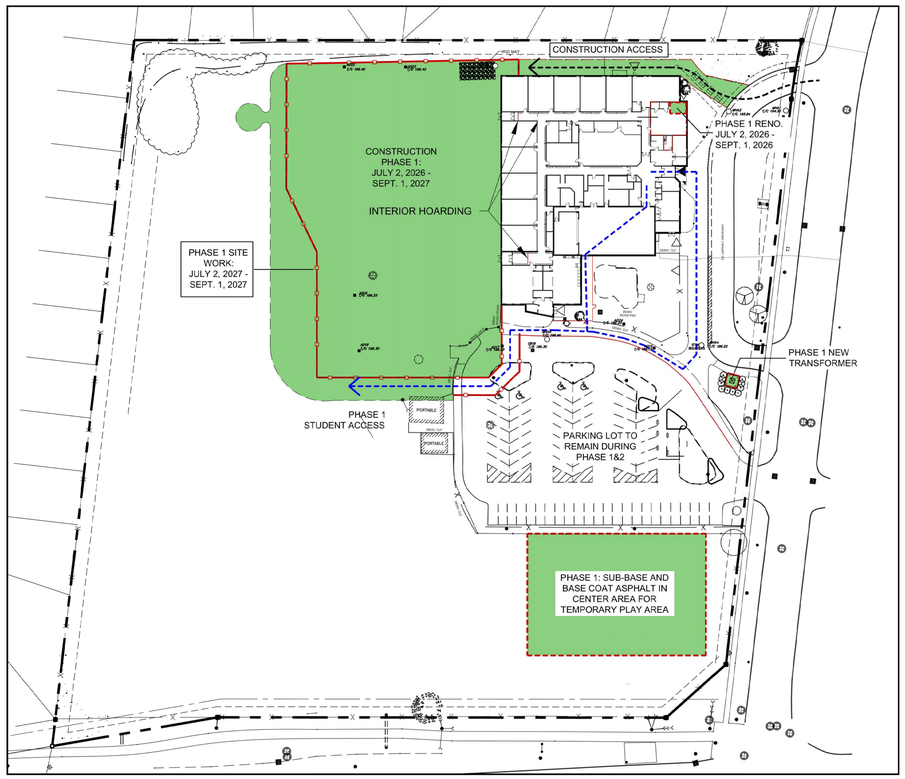
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

SITE PLAN DETAILS

HOSSACK ARCHITECTURE
165 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V6
905.845.5254 admin@hossack.com

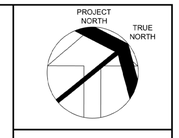
SCALE AS NOTED	PROJECT 25106
DATE May 2026	
DRAWN TC/JK	DRAWING SP2
CHECKED PL	
PRINT DATE	May 2026
CAD FILE	T:\2025\25106\02



1 SP3 KEYPLAN - PHASE 1 (JULY 2026- AUGUST 2027)
SCALE 1:600

2 SP3 KEYPLAN - PHASE 2 (JULY 2027- AUGUST 2028)
SCALE 1:600

3 SP3 KEYPLAN - PHASE 3 (JULY 2028- AUGUST 2028)
SCALE 1:600



NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	26.05.11
2	ISSUED FOR PERMIT	26.03.31
1	ISSUED FOR SPA	26.02.20

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE 6053
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST.
MILTON, ON

LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROPOSED SITE PLAN

HOSSACK ARCHITECTURE
155 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 618-6384 admin@hossackarch.com

SCALE AS NOTED	PROJECT 25106
DATE May 2026	
DRAWN TC/JK	DRAWING SP3
CHECKED PL	
PRINT DATE	May 2026
CAD FILE	T:\2025\25106\02

EROSION AND SEDIMENT CONTROL NOTES

1. DURING THE SERVICING CONSTRUCTION, LIMIT OPEN TRENCH LENGTHS TO MINIMIZE EROSION POTENTIAL.
2. DURING WORK STOPPAGES OR INCLEMENT WEATHER, PLUG ENDS OF OPEN SEWERS TO PREVENT DOWNSTREAM SEDIMENTATION.
3. PROVIDE CATCHBASIN SEDIMENT PROTECTION ON ALL CATCHBASIN AND CATCHBASIN MANHOLES FOR THE DURATION OF CONSTRUCTION.
4. ENSURE SILT LADEN WATER FROM TRUCK WASH AREAS ARE DIRECTED TO AREAS PROTECTED BY A FILTER RING AND AT LEAST 15 METERS FROM A WATERCOURSE.
5. ENSURE CONTRACTORS AND ALL TO FOLLOW THE CLEAN EQUIPMENT PROTOCOL FOR INDUSTRY, REFER TO LINK BELOW FOR ADDITIONAL DETAILS. HTTPS://WWW.ONTARIOINVASIVEPLANTS.CA/WP-CONTENT/UPLOADS/2016/07/CLEAN-EQUIPMENT-PROTOCOL_JUNE2016_D3_WEB-1.PDF
6. ALL SILT LADEN WATER DURING DEWATERING OF TRENCHES TO BE DIRECTED TO AN AREA PROTECTED BY A FILTER RING OR TO A GEOTEXTILE FILTER BAG. FILTRATION TO BE A MINIMUM OF 15 METERS FROM A WATERCOURSE.
7. PROVIDE DUST CONTROL DURING DRY PERIODS AS DIRECTED BY THE SITE ENGINEER OR CONSERVATION OR MUNICIPAL.
8. SWEEP EXTERNAL STREETS AS DIRECTED BY THE ENGINEER, CONSERVATION OR MUNICIPAL.
9. FOLLOWING BASE COURSE ASPHALT, CATCHBASINS TO BE REWRAPPED WITH GEOTEXTILE.
10. PERIODIC STREET CLEANING AND CATCHBASIN CLEANOUT TO BE PERFORMED AS REQUIRED.
11. ADOPT A MULTI-BARRIER APPROACH TO PROVIDE EROSION AND SEDIMENT CONTROL THROUGH EROSION CONTROLS FIRST.
12. RETAIN EXISTING VEGETATION AND STABILIZE EXPOSED SOILS WITH VEGETATION WHERE POSSIBLE.LIMIT THE DURATION OF SOIL EXPOSURE AND PHASE CONSTRUCTION WHERE POSSIBLE.
13. LIMIT THE DURATION OF SOIL EXPOSURE AND PHASE CONSTRUCTION WHERE POSSIBLE.
14. LIMIT THE SIZE OF DISTURBED AREAS BY MINIMIZING NONESSENTIAL CLEARING AND GRADING.
15. MINIMIZE SLOPE LENGTH AND GRADIENT OF DISTURBED AREAS.
16. MAINTAIN OVERLAND SHEET FLOW AND AVOID CONCENTRATED FLOWS.
17. STORE/STOCKPILE SOIL AWAY (E.G. GREATER THAN 15 METERS) FROM WATERCOURSES, DRAINAGE FEATURES AND TOP OF STEEP SLOPES.
18. ENSURE CONTRACTORS AND ALL INVOLVED IN THE ESC PRACTICES ARE TRAINED IN ECS PLAN, IMPLEMENTATION, INSPECTIONS, MAINTENANCE, AND REPAIRS.
19. ALL STOCKPILES ARE TO HAVE SILT CONTROL FENCE INSTALLED AND MAINTAINED SURROUNDING THEM.
20. PLASTIC MESH SIZES FOR SILT FENCE OR EROSION CONTROL BLANKETS MUST BE EITHER <6mm (1/4") OR >50mm (2") TO MINIMIZE THE RISK OF TRAPPING WILDLIFE. ALTERNATIVELY, WILDLIFE-FRIENDLY PRODUCTS, SUCH AS LOOSE OR OPEN- WEAVE, NATURAL FIBRE TEXTILE MESHES (JUTE, COIR, WOOD EXCELSIOR, ETC.) ARE AVAILABLE WHICH MAY ALSO BE USED TO MINIMIZE THIS RISK.

ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN PRIOR TO CONSTRUCTION AND MAINTAIN IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETED AND VEGETATIVE COVER IS ESTABLISHED.
2. ALL SILT FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.
3. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
4. EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.
5. NO ALTERNATIVE METHODS OR EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER
6. CONTRACTOR MUST REMOVE EROSION AND SEDIMENTATION FENCING PRIOR TO COMPLETION OF PROJECT. CONTRACTOR TO HAVE EROSION AND SEDIMENTATION FENCE INSPECTED WHEN VEGETATION HAS ESTABLISHED, BUT PRIOR TO FENCE BECOMING OVERGROWN. ENGINEER'S REPRESENTATIVE TO DETERMINE IF VEGETATION HAS REACHED THE CRITICAL POINT AND WILL THEN INSTRUCT CONTRACTOR TO REMOVE FENCE.
7. FOR DETAILS OF ALL ELECTRICAL REMOVALS INCLUDING LIGHT STANDARDS, AND UNDERGROUND DUCT AND WIRING, REFER TO ELECTRICAL DRAWINGS
8. FOR DETAILS ON TREE REMOVALS, AND PROTECTION REFER TO LANDSCAPING DRAWNIGS

NOTE:

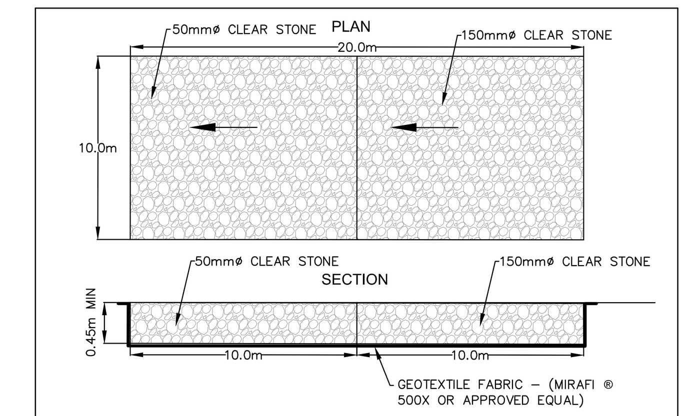
CONTRACTOR TO CONTACT MGM CONSULTING INC. IMMEDIATELY SHOULD THERE BE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED GRADING AND/OR SERVICING DESIGN, OR CONFLICTS IN CONSTRUCTING THE WORK AS PER THE INTENT OF THE APPROVED DESIGN PRIOR TO CONSTRUCTION.

NOTE:

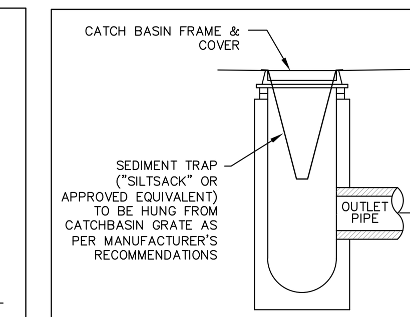
1. ALL WORK TO CONFORM TO THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE MUNICIPALITY AND MGM CONSULTING INC.
3. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION
4. CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE INFORMATION PRIOR CONSTRUCTION
5. CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FROM ALL EXISTING SERVICES AND UTILITIES
6. CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVICING.

MAINTENANCE RECOMMENDATIONS

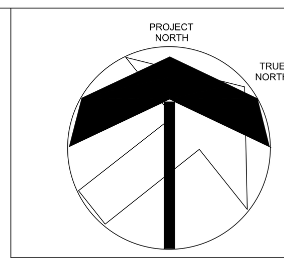
1. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FENCE.
2. OWNERS REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO TOWN'S REQUIREMENTS.



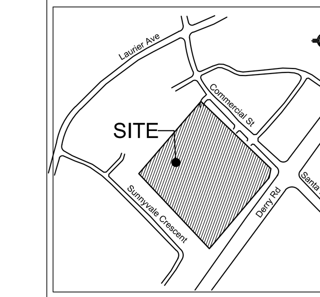
CONSTRUCTION ENTRANCE "MUD MAT"
N.T.S.



CATCH BASIN SEDIMENT TRAP
N.T.S.

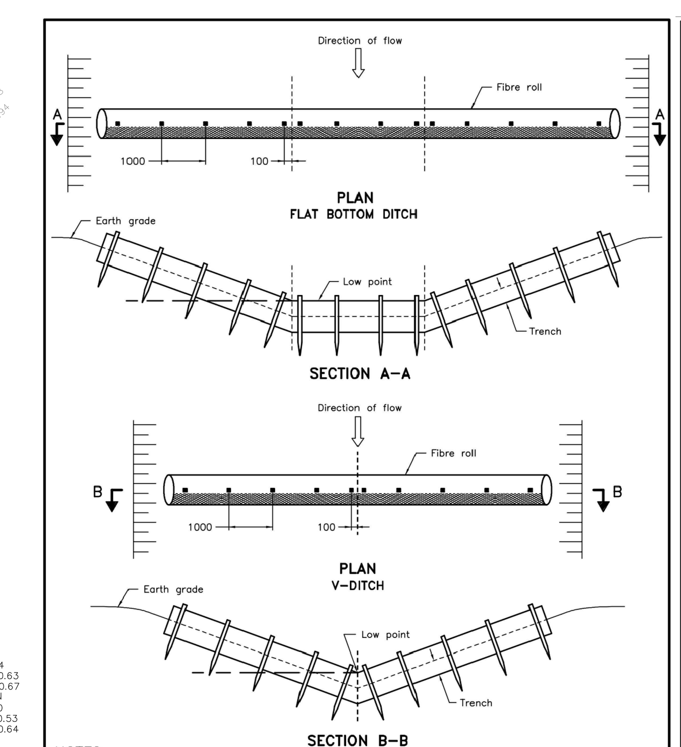


KEYMAP: N.T.S



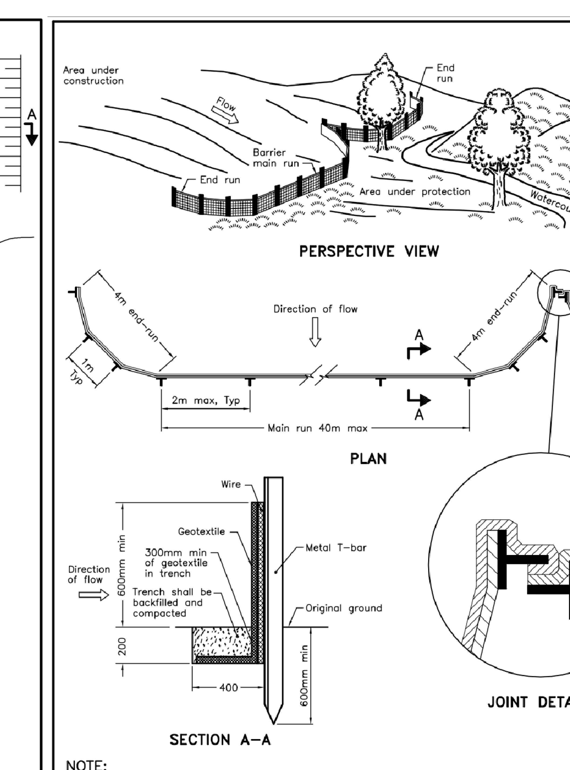
LEGEND:

- ASPHALT REMOVAL
- SOD REMOVAL
- MUD MAT
- CATCHBASIN SEDIMENT PROTECTION
- HEAVY DUTY SILT FENCE
- FIBER ROLL FLOW CHECK DAM
- PROPOSED REMOVALS
- EXISTING OVERLAND FLOW ROUTE
- EXISTING CATCHBASIN
- EXISTING MANHOLE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING HYDRO LINE
- EXISTING GAS LINE



NOTES:
A Refer to OPSD 219.120 Section A–A installation detail.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 0
FIBRE ROLL FLOW CHECK DAMS		OPSD 219.191



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 0
HEAVY–DUTY WIRE–BACKED SILT FENCE BARRIER		OPSD 219.131

BENCHMARK:
TOPOGRAPHIC SURVEY IS PROVIDED BY TARASICK McMILLAN KUBICKI LTD., FILE No. 10492–SRPR–T, DATED AUGUST 6, 2025.

ALL ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM–1928 AND ARE DERIVED FROM TOWN OF MILTON BENCHMARK # 39 HAVING AN ELEVATION OF 194.956 METRES.

EXISTING SERVICING INFORMATION IS TAKEN FROM REGION OF HALTON RECORD DRAWINGS: DWG. M–13000 3129 (2020). .

NO	REVISIONS	DATE (MM/DD/YY)
1	ISSUED FOR SPA	02/17/2026
2	ISSUED FOR 85% CLASS A COST	03/04/2026
3	ISSUED FOR PERMIT	03/27/2026
4	ISSUED FOR TENDER	05/01/2026

NO	ISSUED	DATE

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.

MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive, Suite 201, Milton, Ontario L9T 5E1
Tel: (905)567-8678 Fax: (905)875-1339
Email: mgm@mgm.on.ca www.mgm.on.ca

OUR LADY OF VICTORY CATHOLIC ELEMENTARY SCHOOL

540 COMMERCIAL ST
MILTON, ON
TOWN'S FILE# : TBA

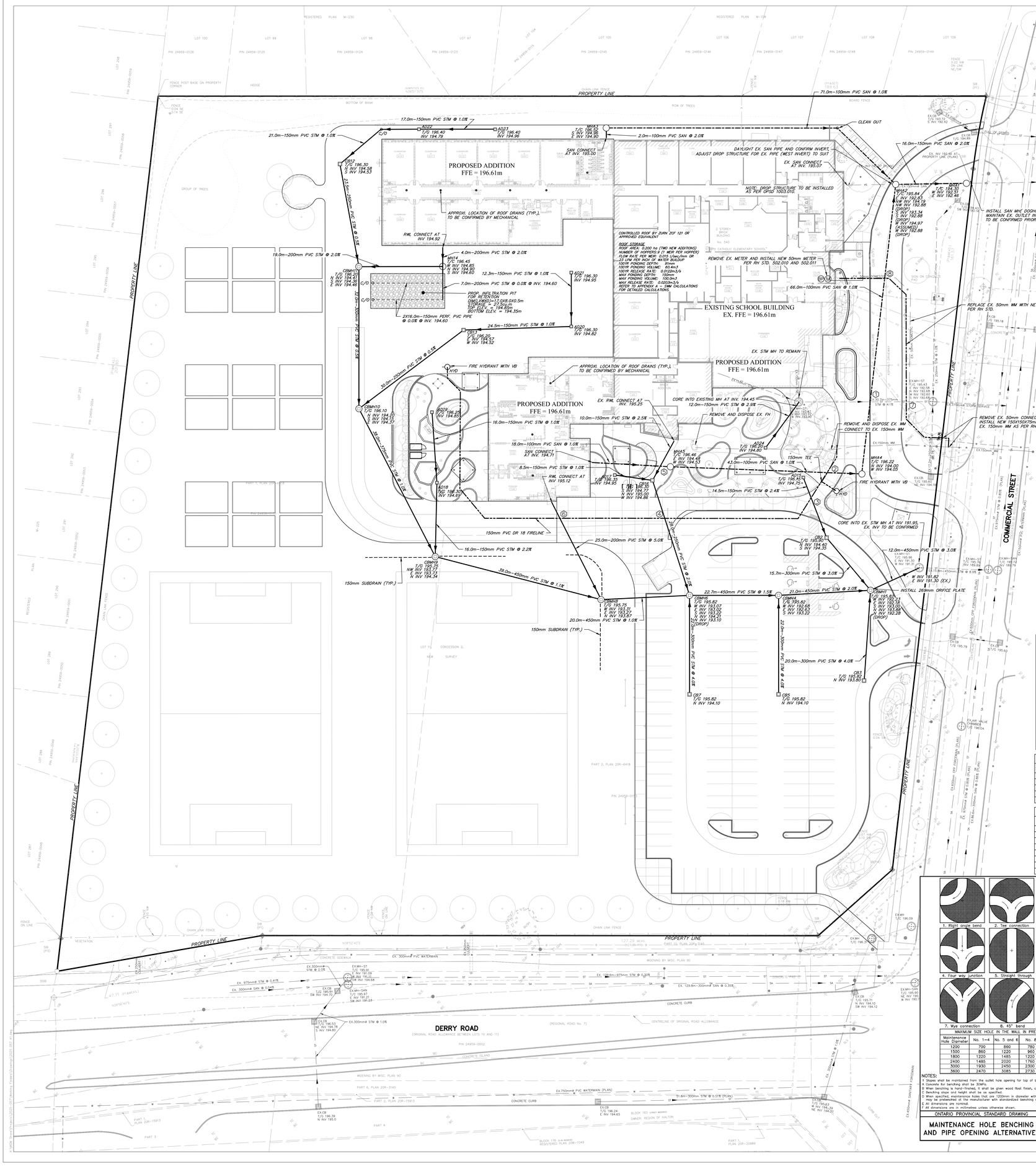
LEGAL DESCRIPTION:
LOT 11, CONCESSION 2
TOWN OF MILTON
REGIONAL MUNICIPALITY OF HALTON

LICENSED PROFESSIONAL ENGINEER
C. SHI
100559939
MAY 1, 2026
PROVINCE OF ONTARIO

HALTON CATHOLIC DISTRICT SCHOOL BOARD
HCDSB

CLIENT:
HOSSACK & ASSOCIATES ARCHITECTS
105-1939 IRONOAK WAY
OAKVILLE, ONTARIO L6H 3V8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE 1:300	PROJECT 2025-057
DATE NOV 2025	
DRAWN KS	DRAWING EROSION AND SEDIMENT CONTROL PLAN CV-1
CHECKED CS	
PRINT DATE	
REVIT FILE	N/A



NOTE:
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NOTE:
1. ALL WORK TO CONFORM TO THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE MUNICIPALITY AND MGM CONSULTING INC.
3. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION
4. CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE INFORMATION PRIOR CONSTRUCTION
5. CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FROM ALL EXISTING SERVICES AND UTILITIES
6. CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVICING.
7. CONTRACTOR TO CONFIRM THE PAVEMENT STRUCTURE THICKNESS' BASED ON THE GEOTECHNICAL REPORT.

CONSTRUCTION NOTES AND SPECIFICATIONS:
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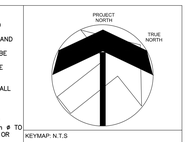
1.1. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDES BUT NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.
1.2. OBTAIN ALL PERMITS AND PAY ALL ASSOCIATED FEES AND LICENSES.
1.3. VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS (WHICH MAY APPEAR ON THE PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
1.4. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
2. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO EXISTING WORKS
3. ALL UNDERGROUND SERVICES ARE TO BE CONSTRUCTED IN FULL COMPLIANCE WITH ONTARIO PROVINCIAL BUILDING CODE (PART 7, PLUMBING) AND THE REQUIREMENTS OF THE TOWN OF MILTON AND THE REGIONAL MUNICIPALITY OF HALTON, WHICH CODES AND REGULATIONS SHALL SUPERSEDE ALL OTHERS.
4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HOURS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICES INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE, VISION C, PART 1 SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTOR'S EXPENSE.
5. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1.0 METRES FROM FOUNDATION WALL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY PRECAUTIONS DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE LOCAL MUNICIPALITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
7. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF/HERSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY IF DAMAGED
8. ALL REMOVALS SHALL BE IN ACCORDANCE WITH OPSS 510. ALL REMOVED MATERIALS SHALL BE DISPOSED OFF SITE.
9. SILTATION CONTROL SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
10. ALL GRADING WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH OPSS 206.
11. THE CONTRACTOR TO NOTIFY ENGINEER PRIOR TO SAWCUTTING EXISTING ASPHALT FOR CONFIRMATION OF EXISTING DRAINAGE.
12. ALL GRANULAR MATERIAL SHALL CONFORM TO OPSS 1010, AND BE INSTALLED IN ACCORDANCE WITH OPSS 314.
13. ALL ASPHALT MATERIALS SHALL BE IN ACCORDANCE WITH OPSS 1101 AND BE INSTALLED IN ACCORDANCE WITH OPSS 310.
14. CONCRETE SHALL BE IN ACCORDANCE WITH OPSS 1350 AND HAVE MINIMUM COMPRESSIVE STRENGTH OF 30MPA AFTER 28 DAYS.
15. SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH OPSS 410. TRENCH BACKFILL TO BE APPROVED NATIVE MATERIAL.
16. CATCHBASIN AND MANHOLE ADJACENT SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 408.
17. ALL DISTURBED GRASSED AREAS ARE TO BE RESTORED WITH 150MM DEPTH TOPSOIL AND SOD.
18. TOPSOIL SHALL BE IN ACCORDANCE WITH OPSS 570 AND SOD IN ACCORDANCE WITH OPSS 571.
19. CONCRETE SIDEWALK TO CONSTRUCTED AS PER OPSD 310.010.

GENERAL NOTES:
- PRIOR TO COMMENCEMENT OF ANY WORKS ON SITE, SNOW FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE MANAGER, DEVELOPMENT ENGINEERING, AND THAT THE SNOW FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE MANAGER, DEVELOPMENT ENGINEERING
- PRIOR TO THE COMMENCEMENT OF ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE, THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE ENGINEERING SERVICES DEPARTMENT, TOWN OF MILTON, AND REGION OF HALTON, FOR THE PURPOSES OF VEHICULAR (ENTRANCE PERMIT), AND SERVICING EXCAVATIONS WITHIN THE MUNICIPAL ROAD ALLOWANCE (ROAD OCCUPANCY PERMIT) AND REGIONAL ROAD.
- SILT CONTROLS ARE TO BE IN PLACE PRIOR TO START OF SITE WORKS, AND BE MAINTAINED FOR THE DURATION OF CONSTRUCTION
- ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND A SUFFICIENT NUMBER OF TESTS BE UNDERTAKEN TO THE SATISFACTION OF THE COMMISSIONER OF ENGINEERING SERVICES
- IN THE EVENT THAT ARCHAEOLOGICAL REMAINS AREA FOUND DURING SUBSEQUENT CONSTRUCTION ACTIVITIES, THE CONSULTANT ARCHAEOLOGIST, APPROVAL AUTHORITY AND THE CULTURAL PROGRAMS UNIT OF THE MINISTRY OF TOURISM CULTURE SHOULD BE NOTIFIED IMMEDIATELY.

SERVICING NOTES:
1. CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVICING
2. ALL SEWERS AND DRAINAGE APPURTENANCES, MATERIALS AND INSTALLATION TO BE IN ACCORDANCE WITH OPSS 410.
3. ALL STORM SEWERS UP TO 525mm IN DIAMETER ARE TO BE PVC DR35 OR HDPE
4. ALL STORM SEWERS OVER 525mm IN DIAMETER ARE TO BE CONCRETE CLASS 65D
5. ALL SANITARY SEWERS ARE TO BE PVC DR35.
6. EMBEDMENT AND BACKFILL FOR PVC OR HDPE SEWERS SHALL BE AS PER OPSD 802.020

WATERMAIN
1. WATERMAINS 150mm ø TO 300mm ø TO BE P.V.C. CL.150 (DR-18) WITH GASKETED JOINTS. WATERMAINS 400-900mm ø TO BE C.P.P. AWWA C-301 CLASS 18 WITH GASKETED JOINTS OR P.V.C. CL.150 (DR-18) WITH GASKETED JOINTS.
2. MINIMUM 150mm ø SERVICE CONNECTION FOR INDUSTRIAL/COMMERCIAL LOTS.
3. A MIN. HORIZONTAL SEPARATION OF 2.5m AND A MIN. VERTICAL SEPARATION OF 0.15mm BETWEEN WATERMAINS AND SEWERS MUST BE MAINTAINED IF WATERMAIN IS ABOVE SEWER OR 0.50m IF SEWER ABOVE WATERMAIN.
4. WATERMAIN BEDDING TO BE SUITABLE GRANULAR BEDDING MATERIAL AS PER O.P.S.D. 802.030, 802.031, 802.032, AND 802.033 REV. 41.
5. "HIGH PERFORMANCE BACKFILL" MATERIAL TO BE USED AT FULL WIDTH AND DEPTH OF THE TRENCH CROSSING R.R.25 UP TO MINIMUM 150mm (6") BELOW THE ASPHALT SUBBASE, COMPACTED TO 100% PROCTOR DENSITY.
6. MINIMUM 150mm (6") OF GRANULAR "A" BACKFILL MATERIAL TO BE USED AS A CAP ON TOP OF "HIGH PERFORMANCE BACKFILL" TO THE ASPHALT SUBBASE, COMPACTED TO 100% PROCTOR DENSITY.
7. ALL HYDRANTS AS PER O.P.S.D. 1105.01 TO HAVE STEAMER CONNECTIONS.
8. MINIMUM DEPTH OF COVER OVER WATERMAIN SHALL BE 1.70 M MEASURED FROM THE TOP OF THE PIPE TO THE FINISHED GRADE.

STORM SEWERS
1. MAIN LINE PVC PIPE SIZE 525mm or LESS SHALL BE AS PER SDR 35 CSA B182.2-06 CERTIFIED ASTM D3034-04e1, F679-03. 1. SERVICE CONNECTION PVC PIPE TO BE AS PER SDR 28 CSA B182.2-06 CERTIFIED ASTM D3034-04e. WHERE RIB PIPE IS USED, HIGH PERFORMANCE STONE MUST BE USED FOR BOTH BEDDING AND COVER MATERIAL.
2. RIB PIPE SEWER NOT TO BE USED IN TOWN OF MILTON R.O.W
3. FOUNDATION DRAIN COLLECTORS SHALL BE A MINIMUM OF 150mm IN DIAMETER SINGLE PRE-CAST SHALL BE INSTALLED PER OPSD 705.01, DOUBLE PRE-CAST CATCH BASINS PER OPSD 705.02. SINGLE CATCHBASIN CONNECTIONS SHALL BE 250mm IN DIAMETER AT 1.0% MINIMUM. DOUBLE CATCH BASIN LEADS SHALL BE 300mm IN DIAMETER CSA-A257.1 AT 1.0% MINIMUM. FIRST JOINT OUT OF A CATCH BASIN IS TO HAVE A CONCRETE CRADLE IF CONCRETE PIPE IS USED, OR A FLEXIBLE JOINT, IF PVC PIPE IS USED. CATCHBASINS TO HAVE A COMPLETE GRANULAR BACKFILL.
4. NON-REINFORCED CONCRETE PIPE 150mm TO 250mm SHALL BE AS PER CSA A257.1-03 CLASS 3. HEIGHT OF FILL TO BE VERIFIED USING OPSD TABLES 807.040.
5. OPSD 802.010, 802.030, 802.031 AND 802.032 ARE MODIFIED SO THE EMBEDMENT BEDDING AND COVER MATERIAL IS GRANULAR 'A' OR OTHER MATERIAL APPROVED BY THE TOWN.
6. FILTER FABRIC TO BE PLACED IN ALL STREET CATCHBASINS. SILT STRAPS ARE TO BE CLEANED REGULARLY AND INSPECTED AFTER EACH RAINFALL BY THE CONTRACTOR AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND BOULEVARDS ARE SODDED OR BACKYARDS ARE GRADED AND SODDED. SEDIMENT TO BE REMOVED AND FILTER CLOTH TO BE REPLACED AS NECESSARY.
7. MANHOLES ARE TO BE CONSTRUCTED AS PER OPSS AND STRUCTURES AS PER OPSD, AS AMENDED BY THE REGION OF HALTON AND CAN/CSZ A-257. FRAMES AND GRATES TO CONFORM TO OPSD 401.01 (TYPE B) STAMP WITH "STORM". MANHOLES ARE TO BE BACKFILLED WITH MINIMUM 1.0m OF COMPACTED GRANULAR BACKFILL AROUND MANHOLE. BENCHING AS PER OPSD 701.021.



KEYMAP: N.T.S

LEGEND:

	DENOTES EXISTING SANITARY SERVICE
	DENOTES EXISTING STORM SERVICE
	DENOTES EXISTING WATER SERVICE
	DENOTES EXISTING TELEPHONE SERVICE
	DENOTES EXISTING FIBRE OPTIC SERVICE
	DENOTES EXISTING ROGERS SERVICE
	DENOTES EXISTING BELL SERVICE
0.20MØ	DENOTES DECIDUOUS TREE
0.20MØ	DENOTES CONIFEROUS TREE
	- PROPOSED STORM MANHOLE
	- PROPOSED CATCHBASIN MANHOLE
	- PROPOSED CATCHBASIN
	- PROPOSED AREA DRAIN
	- PROPOSED SANITARY MANHOLE
	- PROPOSED WATER VALVE BOX
	- PROPOSED WATER METER
	- PROPOSED BACKFLOW PREVENTER
	- PROPOSED WATERMAIN
	- PROPOSED SANITARY SEWER
	- PROPOSED STORM SEWER
	- PROPOSED 150mm SUBDRAIN
	- PROPOSED CLEAN OUT

BENCHMARK:
TOPOGRAPHIC SURVEY IS PROVIDED BY TARASICK McMILLAN KUBICKI LTD., FILE No. 10492-SPPR-T, DATED AUGUST 6, 2025.

ALL ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928 AND ARE DERIVED FROM TOWN OF MILTON BENCHMARK # 39 HAVING AN ELEVATION OF 194.956 METRES.

EXISTING SERVICING INFORMATION IS TAKEN FROM REGION OF HALTON RECORD DRAWINGS: DWG. M-13000 3129 (2020). .

NO	REVISIONS	DATE (MM/DD/YY)
1	ISSUED FOR SPA	02/17/2026
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NO	ISSUED	DATE

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OUR LADY OF VICTORY CATHOLIC ELEMENTARY SCHOOL

540 COMMERCIAL ST
MILTON, ON

TOWN'S FILE# : TBA

LEGAL DESCRIPTION:
LOT 11, CONCESSION 2
TOWN OF MILTON
REGIONAL MUNICIPALITY OF HALTON

LICENSED PROFESSIONAL ENGINEER
C. SHI
100088669
(MAY 1, 2026)
PROVINCE OF ONTARIO

HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

CLIENT:
HOSSACK & ASSOCIATES ARCHITECTS
50 STATION RICHMOND MALL
OAKVILLE, ONTARIO L6H 2H5
Tel (905) 601-6284 Fax (905) 607-8290

SCALE	1:300
DATE	NOV 2025
DRAWN	KS
CHECKED	CS
PRINT DATE	
REVIT FILE	N/A

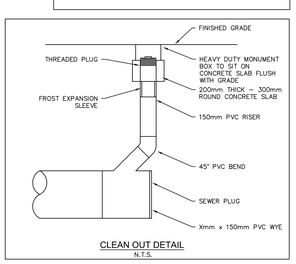
PROJECT
2025-057

DRAWING
SITE SERVICING PLAN
CV-2

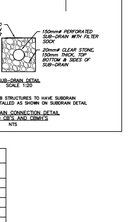
STORM STRUCTURE INFORMATION			
STRUCTURE	STRUCTURE SIZE	STRUCTURE OPSD	FRAME/GRATE OPSD
CBMH1	1200	701.010	400.010
CB2	600X600	705.010	400.010
CB3	600X600	705.010	400.010
CBMH4	1200	701.010	400.010
CB5	600X600	705.010	400.010
CBMH6	1200	701.010	400.010
CB7	600X600	705.010	400.010
CBMH8	1200	701.010	400.010
CBMH9	1200	701.010	400.010
CBMH10	1200	701.010	400.010
CBMH11	1200	701.010	400.010
CB12	600X600	705.010	400.010
CB13	600X600	705.010	400.010
MH14	1200	701.010	401.010
CB16	600X600	705.010	400.010
AREA DRAIN	ZURN Z610 HD (300MM)		

SANITARY STRUCTURE INFORMATION			
STRUCTURE	STRUCTURE SIZE	STRUCTURE OPSD	FRAME/GRATE OPSD
MHA1	1200	701.010	401.010
MHA2	1200	701.010	401.010
MHA3	1200	701.010	401.010
MHA4	1200	701.010	401.010
MHA5	1200	701.010	401.010

SEWER CROSSING TABLE			
CROSSING ID	LOWER PIPE OBVERT (m)	UPPER PIPE INVERT (m)	CLEARANCE (m)
1	193.58	193.84	0.26
2	193.63	194.13	0.50
3	194.13	194.63	0.50
4	194.06	194.56	0.50
5	194.66	195.10	0.44
6	194.42	194.92	0.50
7	193.20	194.20	1.00
8	193.65	194.35	0.70



CLEAN OUT DETAIL
N.T.S.

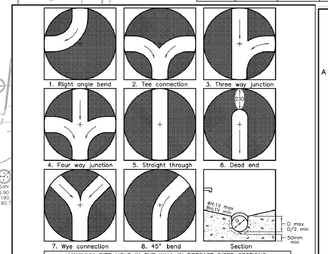


NOTE: EXCEPT OPENING OUTLET, PLATE & BOLTS TO BE PARGED OVER FLUSH WITH MANHOLE WALL.

ORIFICE PLATE DETAIL
SCALE NTS

NOTE: GROUNDWATER LEVEL IS NOT OBSERVED IN THE LOCATION OF PROPOSED INFILTRATION PIT, GEOTECHNICAL REPORT PREPARED BY FORWARD ENGINEERING & ASSOCIATES INC., DATED JANUARY 2, 2026 (REF. NO. G7613).

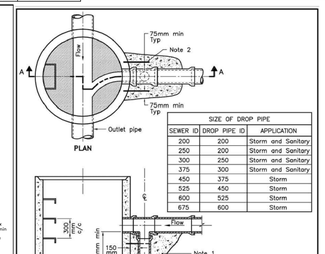
SECTION THROUGH INFILTRATION PIT
SCALE NTS



MAXIMUM SIZE HOLE IN THE WALL IN PRECAST RISER SECTIONS						
Maintenance Hole Diameter	No. 1~4	No. 5 and 6	No. 8	No. 7		
				Inlet Hole	Outlet Hole	
1200	700	860	760	700	860	
1500	860	1220	960	860	1170	
1800	1220	1485	1220	1220	1485	
2400	1485	2020	1760	1485	2020	
3000	1930	2450	2330	1930	2450	
3600	2470	3085	2730	2470	3085	

NOTES:
1 Slopes shall be maintained from the outlet hole opening for top of benching.
A Concrete for benching shall be 30MPa.
B When benching is hand-finished, it shall be given wood float finish, channel shall be given steel trowel finish.
C Benching slope and height shall be as specified.
D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pipe may be prebenched at the manufacturer with standardized benching slope and channel orientation.
E All dimensions are nominal.
F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 4
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES	OPSD 701.021	



SIZE OF DROP PIPE		
SEWER ID	DROP PIPE ID	APPLICATION
200	200	Storm and Sanitary
250	200	Storm and Sanitary
300	250	Storm and Sanitary
375	300	Storm and Sanitary
450	375	Storm
525	450	Storm
600	525	Storm
675	600	Storm

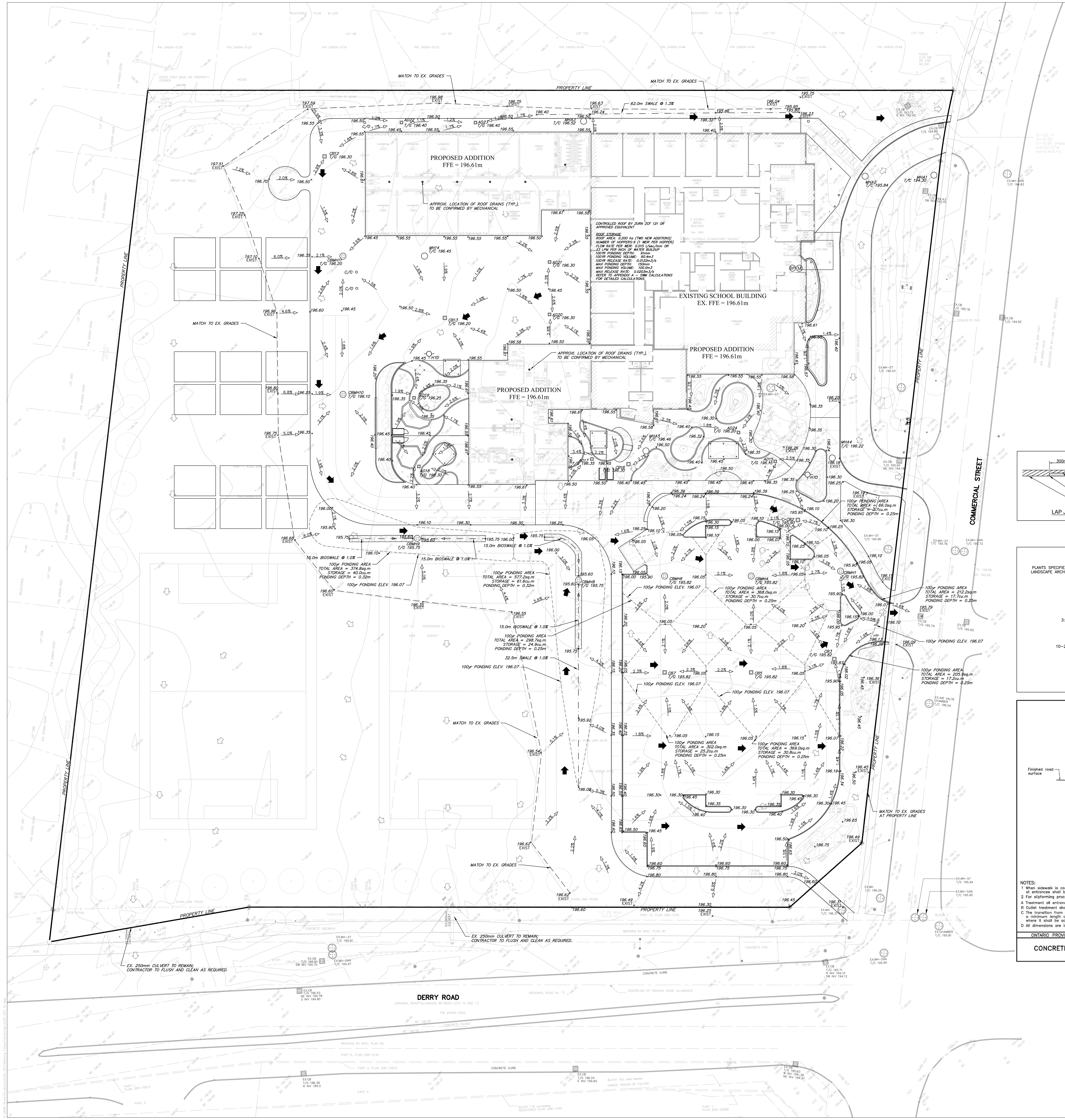
NOTES:
1 Concrete shall be placed to undisturbed ground and the outside face of the maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe.
2 Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2016	Rev 3
CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE TEE	OPSD 1003.010	

REGIONAL APPROVAL
REGION DESIGN OF WATER &/OR WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED: _____ DATED: _____
INFRASTRUCTURE PLANNING AND POLICY

The Applicant should be aware that the approval of the water and wastewater systems is the responsibility of the Local Municipality. Regardless, the Applicant must ensure that the Region of Halton's standards and specifications are met. (the Water & Wastewater linear design manual may be obtained thru the Data Management Group at 905-825-6032) Furthermore, all water quality tests must be completed to the Region of Halton's satisfaction, before the water supply can be turned on.



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3. ALL UNDERGROUND SERVICES ARE TO BE CONSTRUCTED IN FULL COMPLIANCE WITH ONTARIO PROVINCIAL BUILDING CODE (PART 7, PLUMBING) AND THE REQUIREMENTS OF THE TOWN OF MILTON AND THE REGIONAL MUNICIPALITY OF HALTON; WHICH CODES AND REGULATIONS SHALL SUPERSEDE ALL OTHERS.
4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HOURS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICES INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE, VISION C, PART 1 SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTOR'S EXPENSE.
5. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1.0 METRES FROM FOUNDATION WALL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE LOCAL MUNICIPALITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
7. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF/HERSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY IF DAMAGED
8. ALL REMOVALS SHALL BE IN ACCORDANCE WITH OPSS 510. ALL REMOVED MATERIALS SHALL BE DISPOSED OFF SITE.
9. SILTATION CONTROL SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
10. ALL GRADING WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH OPSS 206.
11. THE CONTRACTOR TO NOTIFY ENGINEER PRIOR TO SAWCUTTING EXISTING ASPHALT FOR CONFIRMATION OF POSITIVE DRAINAGE
12. ALL GRANULAR MATERIAL SHALL CONFORM TO OPSS 1010, AND BE INSTALLED IN ACCORDANCE WITH OPSS 314.
13. ALL ASPHALT MATERIALS SHALL BE IN ACCORDANCE WITH OPSS 1101 AND BE INSTALLED IN ACCORDANCE WITH OPSS 310.
14. CONCRETE SHALL BE IN ACCORDANCE WITH OPSS 1350 AND HAVE MINIMUM COMPRESSIVE STRENGTH OF 30MPA AFTER 28 DAYS.
15. SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH OPSS 410. TRENCH BACKFILL TO BE APPROVED NATIVE MATERIAL.
16. CATCHBASIN AND MANHOLE ADJACENT SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 408.
17. ALL DISTURBED GRASSED AREAS ARE TO BE RESTORED WITH 150MM DEPTH TOPSOIL AND SOD.
18. TOPSOIL SHALL BE IN ACCORDANCE WITH OPSS 570 AND SOD IN ACCORDANCE WITH OPSS 571.
19. CONCRETE SIDEWALK TO CONSTRUCTED AS PER OPSD 310.010.

GRADING NOTES:

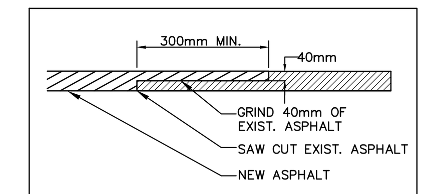
1. SILT CONTROLS ARE TO BE IN PLACE PRIOR TO THE START OF SITE WORKS, AND BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
2. MATCH TO EXISTING GRADES AT PROPERTY LINE.
3. PROPOSED CONCRETE BARRIER CURB AS PER OPSD 600.110.
4. PROPOSED CONCRETE CURB AND GUTTER AS PER OPSD 600.04
5. CONTRACTOR SHALL PROVIDE SITE AS-BUILT SURVEY FOR FINAL REVIEW.

GENERAL NOTES:

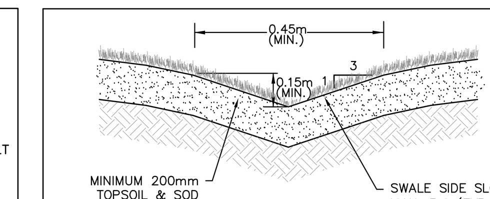
- PRIOR TO COMMENCEMENT OF ANY WORKS ON SITE, SNOW FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE DIRECTOR, DEVELOPMENT ENGINEERING, AND THAT THE SNOW FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE DIRECTOR, DEVELOPMENT ENGINEERING
- PRIOR TO THE COMMENCEMENT OF ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE, THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE ENGINEERING SERVICES DEPARTMENT, TOWN OF MILTON, FOR THE PURPOSES OF VEHICULAR (ENTRANCE PERMIT), AND SERVICING EXCAVATIONS WITHIN THE MUNICIPAL ROAD ALLOWANCE (ROAD OCCUPANCY PERMIT)
- SILT CONTROLS ARE TO BE IN PLACE PRIOR TO START OF SITE WORKS, AND BE MAINTAINED FOR THE DURATION OF CONSTRUCTION
- ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND A SUFFICIENT NUMBER OF TESTS BE UNDERTAKEN TO THE SATISFACTION OF THE COMMISSIONER OF ENGINEERING SERVICES
- IN THE EVENT THAT ARCHAEOLOGICAL REMAINS AREA FOUND DURING SUBSEQUENT CONSTRUCTION ACTIVITIES, THE CONSULTANT ARCHAEOLOGIST, APPROVAL AUTHORITY AND THE CULTURAL PROGRAMS UNIT OF THE MINISTRY OF TOURISM CULTURE SHOULD BE NOTIFIED IMMEDIATELY.

PAVEMENT COMPONENT	HEAVY DUTY (mm)	MEDIUM DUTY (mm)	LIGHT DUTY (mm)
ASPHALTIC CONCRETE SURFACE COURSE (HL3)	40	40	50
ASPHALTIC CONCRETE SURFACE COURSE (HL8)	60	40	N/A
19MM CRUSHED LIMESTONE	150	150	150
GRANULAR B SUB-BASE OR 50MM CRUSHED LIMESTONE	300	200	200

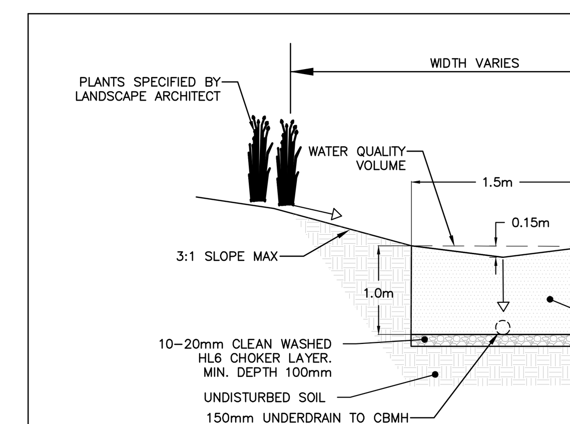
NOTE:
1. THE RECOMMENDED PAVEMENT STRUCTURE COMPONENTS ARE BASED ON THE GEOTECHNICAL REPORT PREPARED BY FORWARD ENGINEERING & ASSOCIATES INC., DATED JANUARY 2, 2026 (FEF. NO. G7613). THE CONTRACTOR SHALL VERIFY THAT THE LATEST VERSION OF THE REPORT HAS BEEN USED FOR CONSTRUCTION.
2. ALL GRANULAR MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 98% SPMDD.



LAP JOINT DETAIL
N.T.S.

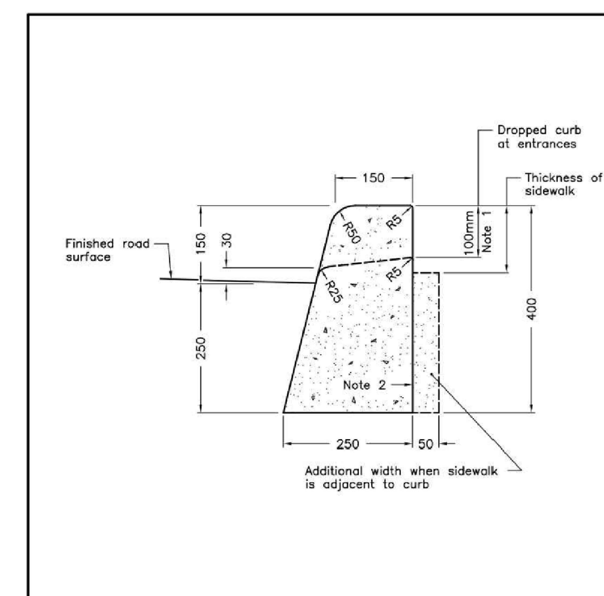


GRASS LINED SWALE
N.T.S.



BIOSWALE DETAIL
SCALE: NTS

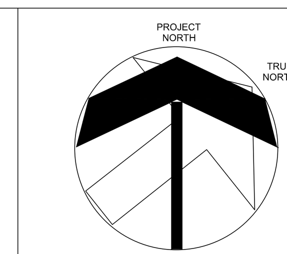
ENGINEERED SOIL
SAND 85-88%
FINES 8-12%
ORGANIC MATTER 3-5%
PH= 7.5 OR LESS
FREE OF ANY ADMIXTURES OF SUBSOIL, CLAY LUMPS, STONES AND ROOTS.



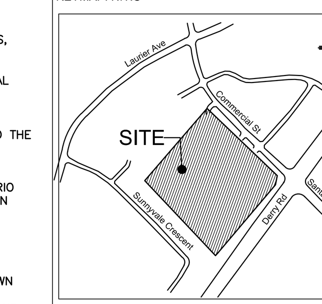
NOTES:
1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
2 For slipforming procedure a 5% batter is acceptable.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 610 Series.
C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2
CONCRETE BARRIER CURB	OPSD 600.110	

REFER TO NOTES AND DETAILS PLAN, DRAWING CV-4 FOR ADDITIONAL CONSTRUCTION NOTES AND DETAILS.



KEYMAP: N.T.S



LEGEND:

- 0.20ØD DENOTES DECIDUOUS TREE
- 0.20ØC DENOTES CONIFEROUS TREE
- EXISTING ELEVATION
- ×169.19 - PROPOSED ELEVATION
- ×169.19 EXIST - MATCH TO EXISTING ELEVATION
- 2.0% - PROPOSED SLOPE
- PROPOSED MAJOR OVERLAND FLOW
- MH T/C - PROPOSED STORM MANHOLE
- CBMH T/G - PROPOSED CATCHBASIN MANHOLE
- CB T/G - PROPOSED CATCHBASIN
- AD T/G - PROPOSED AREA DRAIN
- MHA1 T/C - PROPOSED SANITARY MANHOLE
- PROPOSED SWALE
- C/O - PROPOSED CLEAN OUT
- PROPOSED 100yr PONDING AREA

BENCHMARK:
TOPOGRAPHIC SURVEY IS PROVIDED BY TARASICK McMILLAN KUBICKI LTD., FILE No. 10492-SRPR-T, DATED AUGUST 6, 2025.

ALL ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928 AND ARE DERIVED FROM TOWN OF MILTON BENCHMARK # 39 HAVING AN ELEVATION OF 194.956 METRES.

EXISTING SERVICING INFORMATION IS TAKEN FROM REGION OF HALTON RECORD DRAWINGS: DWG. M-13000 3129 (2020). .

NO	REVISIONS	DATE (MM/DD/YY)
1	ISSUED FOR SPA	02/17/2026
2	ISSUED FOR 85% CLASS A COST	03/04/2026
3	ISSUED FOR PERMIT	03/27/2026
4	ISSUED FOR TENDER	05/01/2026

NO	ISSUED	DATE

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.

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Email: mgm@mgm.on.ca www.mgm.on.ca

OUR LADY OF VICTORY CATHOLIC ELEMENTARY SCHOOL
540 COMMERCIAL ST, MILTON, ON
TOWN'S FILE# : TBA

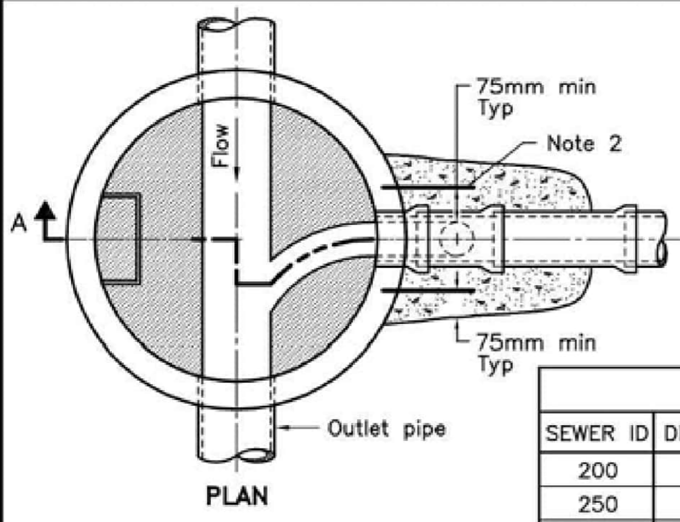
LEGAL DESCRIPTION:
LOT 11, CONCESSION 2
TOWN OF MILTON
REGIONAL MUNICIPALITY OF HALTON

LICENSED PROFESSIONAL ENGINEER
C. SHI
100559939
MAY 1, 2026
PROVINCE OF ONTARIO

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

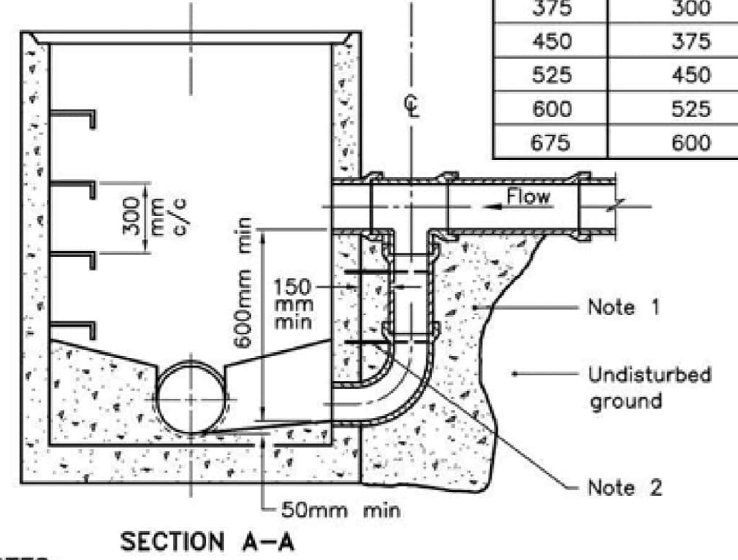
CLIENT:
HOSSACK & ASSOCIATES ARCHITECTS
105-1939 IRONOAK WAY
OAKVILLE, ONTARIO L6H 3V8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE 1:300	PROJECT 2025-057
DATE NOV 2025	
DRAWN KS	DRAWING SITE GRADING PLAN CV-3
CHECKED CS	
PRINT DATE	
REVIT FILE	N/A



PLAN

SIZE OF DROP PIPE		
SEWER ID	DROP PIPE ID	APPLICATION
200	200	Storm and Sanitary
250	200	Storm and Sanitary
300	250	Storm and Sanitary
375	300	Storm and Sanitary
450	375	Storm
525	450	Storm
600	525	Storm
675	600	Storm

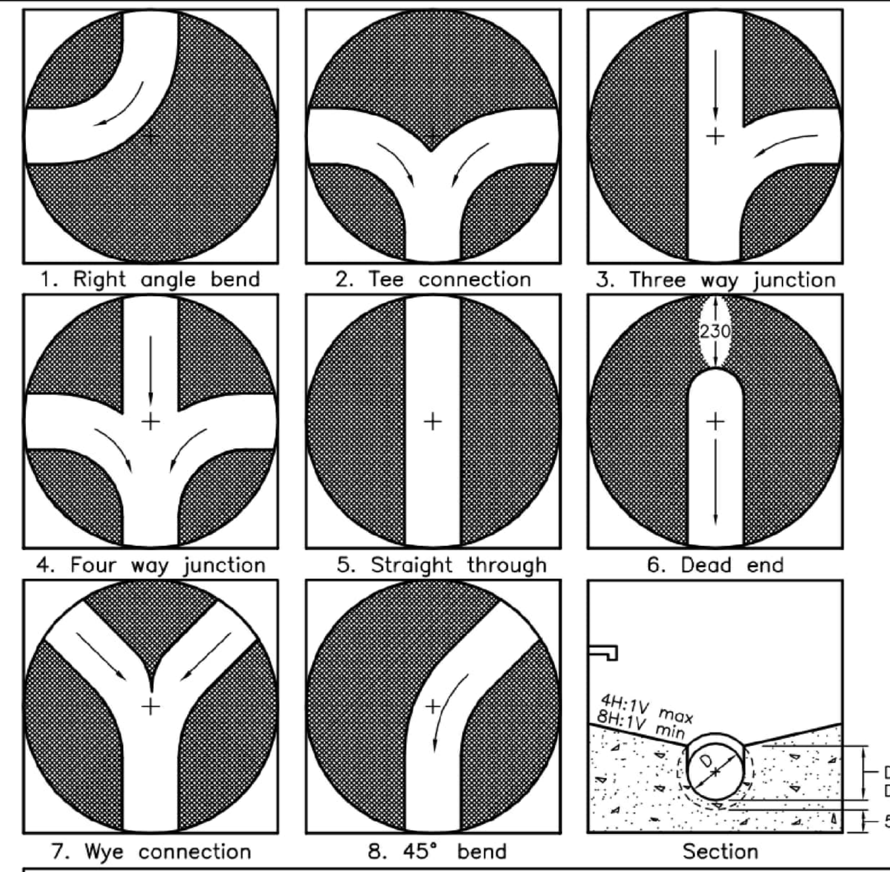


SECTION A–A

NOTES:

1 Concrete shall be placed to undisturbed ground and the outside face of the maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe.
2 Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2016	Rev 3
CAST–IN–PLACE MAINTENANCE HOLE DROP STRUCTURE TEE	OPSD 1003.010	

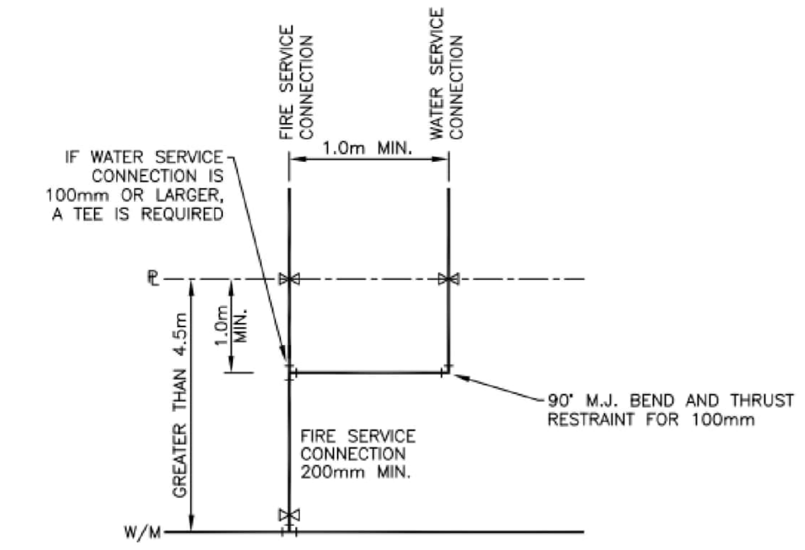


MAXIMUM SIZE HOLE IN THE WALL IN PRECAST RISER SECTIONS					
Maintenance Hole Diameter	No. 1–4	No. 5 and 6	No. 8	No.7 Inlet Hole	No.7 Outlet Hole
1200	700	860	780	700	860
1500	860	1220	960	860	1170
1800	1220	1485	1220	1220	1485
2400	1485	2020	1760	1485	2020
3000	1930	2450	2300	1930	2450
3600	2470	3085	2730	2470	3085

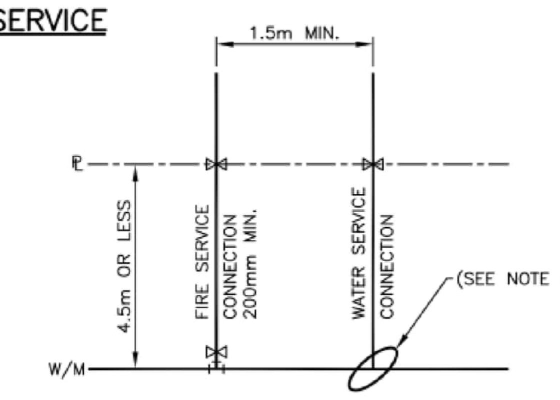
NOTES:

1 Slopes shall be maintained from the outlet hole opening for top of benching.
A Concrete for benching shall be 30MPa.
B When benching is hand–finshed, it shall be given wood float finish, channel shall be given steel trowel finish.
C Benching slope and height shall be as specified.
D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pipe may be prebenched at the manufacturer with standardized benching slope and channel orientation.
E All dimensions are nominal.
F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 4
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES	OPSD 701.021	



GREATER THAN 4.5m SERVICE



LESS THAN 4.5m SERVICE

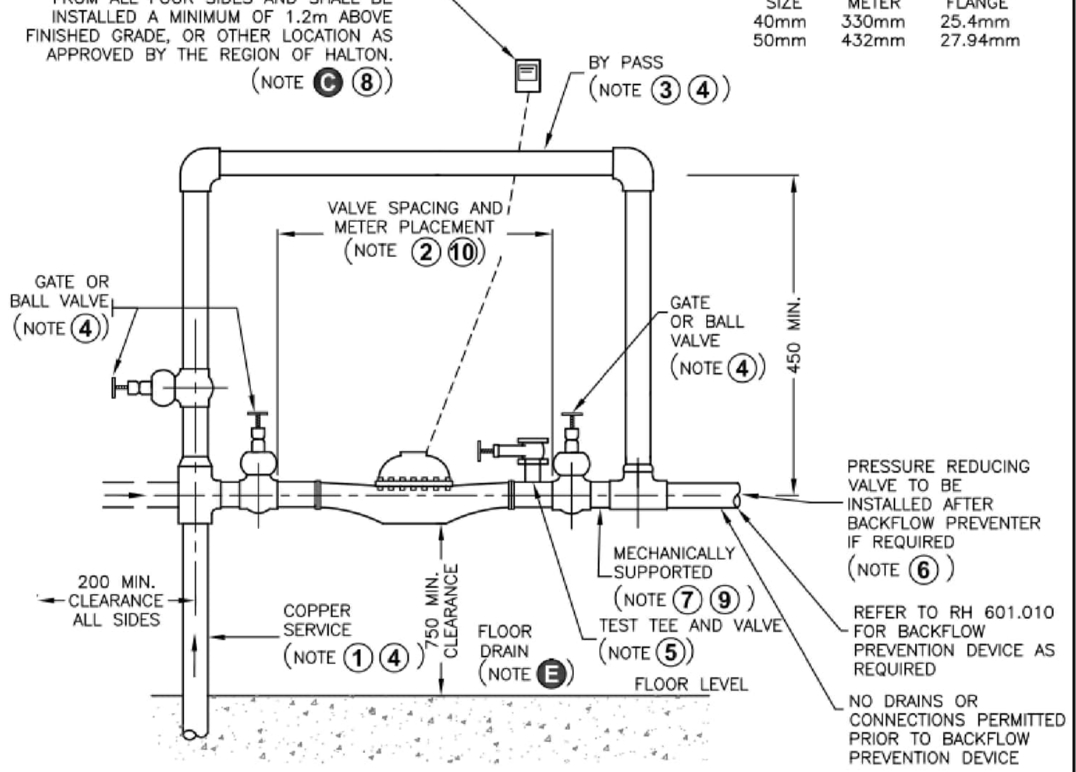
NOTES
1. COMPRESSION TYPE FITTINGS ONLY. NO SOLDERED JOINTS ARE PERMITTED BEFORE THE WATER METER.
2. WATER SERVICE CONNECTION 25, 38, 50 TO BE TYPE 'K' SOFT COPPER, 100 AND LARGER TO BE PVC OR DI.
3. FIRE SERVICE CONNECTION TO BE MIN. 200mm.
4. IF THE WATERMAIN IS 4.5m OR LESS FROM THE PROPERTY LINE, THEN 2 SEPARATE CONNECTIONS ARE REQUIRED.
5. TAPPING SLEEVE TO BE PRESSURE TESTED BY CONTRACTOR BEFORE MAIN IS TAPPED.
6. ALL SERVICE CONNECTIONS TO PVC PIPE REQUIRE SADDLES. ALL SERVICE CONNECTIONS 50mm OR LESS TO HAVE A MAIN STOP, CURB STOP AND BOX. ALL SERVICES GREATER THAN 50mm REQUIRE A TAPPING SLEEVE AND VALVE OR AN ANCHOR TEE WITH A GATE VALVE AND BOX AT THE MAIN IN ADDITION TO A PROPERTY LINE GATE VALVE AND BOX.
7. ALL GATE VALVES TO HAVE VALVE BOXES.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.

THE REGIONAL MUNICIPALITY OF HALTON PUBLIC WORKS DEPARTMENT	Date: August 2018	Rev. 2	NTS
WATER SERVICE AND FIRE SERVICE CONNECTION INSTALLATIONS	REGION STANDARD RH 409.010		

FOR 38–50mm
NEW MULTI–RESIDENTIAL/COMMERCIAL/ INDUSTRIAL WATER METER INSTALLATION ONLY

MATERIALS	
SUPPLIED BY REGION	SUPPLIED BY OTHERS
38–50mm WATER METER C/W TOUCH READ DISC AND COMPANION FLANGES REMOTE WIRE 2–GASKETS, BOLTS AND NUTS	ALL PIPE FITTINGS REQUIRED FOR INSTALLATION INCLUDING VALVES

LAY LENGTHS		
SIZE	METER	FLANGE
40mm	330mm	25.4mm
50mm	432mm	27.94mm



● GENERAL REQUIREMENTS
○ INSTALLATION INSTRUCTIONS

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RH 502.011
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.

THE REGIONAL MUNICIPALITY OF HALTON PUBLIC WORKS DEPARTMENT	Date: Nov. 2023	Rev. 2	NTS
STANDARD 38–50mm WATER METER INSTALLATION (NEW MULTI–RESIDENTIAL/COMMERCIAL/INDUSTRIAL)	REGION STANDARD RH 502.010		

STANDARD 38–50mm MULTI–RESIDENTIAL/COMMERCIAL/INDUSTRIAL METER INSTALLATION ONLY
ALL NOTES AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH RH 502.010

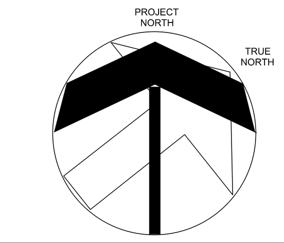
● GENERAL REQUIREMENTS

A. THE METER INSTALLATION, INCLUDING ANY PIPING THAT IS PART OF THE METER INSTALLATION AND THE VALVING ARRANGEMENT FOR THE METER INSTALLATION, SHALL BE IN ACCORDANCE TO HALTON REGION'S REQUIREMENTS AND THE ONTARIO BUILDING CODE.
B. THE CURB STOP/BOX MUST BE OPERATIONAL PRIOR TO INSTALLATION OF THE METER.
C. THE WIRE SHALL BE RUN NEATLY AND FASTENED EVERY 600MM TO THE SURROUNDING PIPEWORK AND STRUCTURE USING APPROVED MATERIALS FOR WIRING SYSTEMS I.E. ZIP TIES, WIRING STAPLES. THE REGION PROVIDED WIRE SHALL RUN FROM THE EXTERIOR WHERE READING DEVICE IS TO BE INSTALLED TO THE WATER METER, AND WRAPPED 5 TIMES AROUND THE REGISTER HEAD IN PREPARATION FOR REGION TECHNICIAN TO COMPLETE WIRING CONNECTIONS.
D. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
E. PROVISIONS ARE TO BE MADE FOR DISPOSAL OF WATER USED FOR IN–SITU TESTING EITHER THROUGH THE FLOOR DRAIN OR 125 MM FERRULE THROUGH THE WALL.

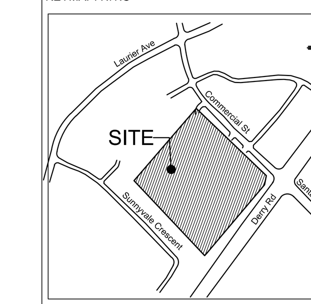
○ INSTALLATION INSTRUCTIONS

1. THE WATER SERVICE PIPE SHALL BE FLUSHED AFTER INSTALLATION OF BUILDING CONTROL VALVE AND PRIOR TO INSTALLATION OF METER IDLER (SPACER) OR WATER METER.
2. ALL WATER METERS ARE TO BE INSTALLED IN THE HORIZONTAL POSITION AND ACCORDING TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS. ALL BACKFLOW PREVENTION DEVICES ARE TO BE INSTALLED DOWNSTREAM OF THE WATER METER WITH NO UPSTREAM CONNECTIONS OR TEES AND SHALL BE INSTALLED AS PER CSA AND MANUFACTURERS INSTALLATION INSTRUCTIONS.
3. BY–PASS PIPING MAY BE INSTALLED IN THE HORIZONTAL OR VERTICAL POSITION AROUND THE WATER METER. ALL BACKFLOW PREVENTION DEVICES ARE TO BE INSTALLED DOWNSTREAM OF THE WATER METER AND BY–PASS, WITH NO CONNECTIONS OR TEES AND SHALL BE INSTALLED AS PER CSA AND MANUFACTURERS INSTALLATION INSTRUCTIONS.
4. ALL PIPING, INCLUDING BY–PASS PIPE, TEES, BENDS AND VALVES SHALL BE THE SAME DIAMETER AS THE INCOMING WATER SERVICE PIPE. PIPE REDUCERS REQUIRED TO ACCOMMODATE A SMALLER WATER METER THAN THE WATER SERVICE PIPE SHALL BE INSTALLED BETWEEN THE INLET AND OUTLET VALVES AND SHALL BE OF THE CONCENTRIC TYPE (NO THREADED REDUCING BUSHINGS). BUILDING CONTROL VALVES SHALL BE GATE VALVE OR FULL PORT BALL VALVE, TWO PIECE, FULL PORT, QUARTER TURN AND LEVER HANDLE.
5. THE TEST TEE AND VALVE SHALL BE LOCATED DOWNSTREAM OF THE WATER METER AT LEAST 3 X PIPE DIAMETERS AFTER THE OUTLET OF THE WATER METER AND 2 X PIPE DIAMETERS BEFORE THE INLET VALVE AND WILL BE OF THE SAME SIZE AS THE WATER SERVICE PIPING. THE VALVE MAY BE EITHER A THREADED BALL OR GATE VALVE AND A BRASS PLUG WILL BE INSTALLED IN THE OUTLET OF THE VALVE.
6. THE CONTRACTOR/DESIGNER IS TO DETERMINE IF A PRESSURE REDUCING VALVE TO LIMIT THE STATIC MAXIMUM STATIC PRESSURE TO 550 KPA (80 PSI) IS REQUIRED, AND IF NEEDED, IS TO ENSURE IT IS INSTALLED AFTER THE BACKFLOW PREVENTER.
7. WHERE NON–METALLIC PIPE IS USED FOR THE PRIVATE WATER SERVICE PIPE AND/OR PRIVATE WATER SERVICE PIPE DOWNSTREAM OF THE METER, RIGID SUPPORTS ARE REQUIRED FOR THE WATER SERVICE PIPE AND WATER METER. IF REQUIRED, TYPE "L" COPPER (CERTIFIED TO ASTM B88) AND RATED TO A MINIMUM WORKING PRESSURE OF 1100 KPA SHALL BE USED BETWEEN THE BUILDING CONTROL VALVE AND BUILDING CONTROL VALVE. ALL VALVES AND FITTINGS SHALL BE RATING WITH A MINIMUM WORKING PRESSURE OF 1100 KPA.
8. THE METER READING DEVICE AND 3 CONDUCTOR 20 GAUGE WIRE ARE TO BE FLUSH MOUNTED TO THE WALL IN AN EXTERIOR AREA FULLY ACCESSIBLE AT ALL TIMES, WITH NO OBSTRUCTIONS PERMITTED, MINIMUM 0.6m CLEARANCE FROM OBJECTS FROM ALL FOUR SIDES AND SHALL BE INSTALLED A MINIMUM OF 1.2m ABOVE FINISHED GRADE, OR OTHER LOCATION AS APPROVED BY THE REGION OF HALTON.
9. MECHANICAL SUPPORTS WILL BE INSTALLED AS NECESSARY TO THE WATER SERVICE PIPE AROUND THE WATER METER. THE WATER METER ITSELF IS NOT TO BE SUPPORTED TO PREVENT DAMAGE TO THE METER MAINCASE.
10. THE METER SHALL BE LOCATED 5 X PIPE DIAMETERS FROM THE INLET VALVE AND 3 X PIPE DIAMETERS FROM THE TEST TEE AND VALVE. THE OUTLET VALVE SHALL BE LOCATED AT LEAST 2 X PIPE DIAMETERS FROM THE TEST TEE AND VALVE.

THE REGIONAL MUNICIPALITY OF HALTON PUBLIC WORKS DEPARTMENT	Date: Nov. 2023	Rev. 2	NTS
STANDARD 38–50mm WATER METER INSTALLATION (NEW MULTI–RESIDENTIAL/COMMERCIAL/INDUSTRIAL)	REGION STANDARD RH 502.011		



KEYMAP: N.T.S



LEGEND:

BENCHMARK:
TOPOGRAPHIC SURVEY IS PROVIDED BY TARASICK McMILLAN KUBICKI LTD., FILE No. 10492–SRPR–T, DATED AUGUST 6, 2025.

ALL ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM–1928 AND ARE DERIVED FROM TOWN OF MILTON BENCHMARK # 39 HAVING AN ELEVATION OF 194.956 METRES.

EXISTING SERVICING INFORMATION IS TAKEN FROM REGION OF HALTON RECORD DRAWINGS:
DWG. M–13000 3129 (2020). .

NO	REVISIONS	DATE (MM/DD/YY)
1	ISSUED FOR SPA	02/17/2026
2	ISSUED FOR 85% CLASS A COST	03/04/2026
3	ISSUED FOR PERMIT	03/27/2026
4	ISSUED FOR TENDER	05/01/2026
NO	ISSUED	DATE

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.

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OUR LADY OF VICTORY CATHOLIC ELEMENTARY SCHOOL
540 COMMERCIAL ST
MILTON, ON
TOWN'S FILE# : TBA

LEGAL DESCRIPTION:
LOT 11, CONCESSION 2
TOWN OF MILTON
REGIONAL MUNICIPALITY OF HALTON

LICENSED PROFESSIONAL ENGINEER
C. SHI
100559939
MAY 1, 2026
PROVINCE OF ONTARIO

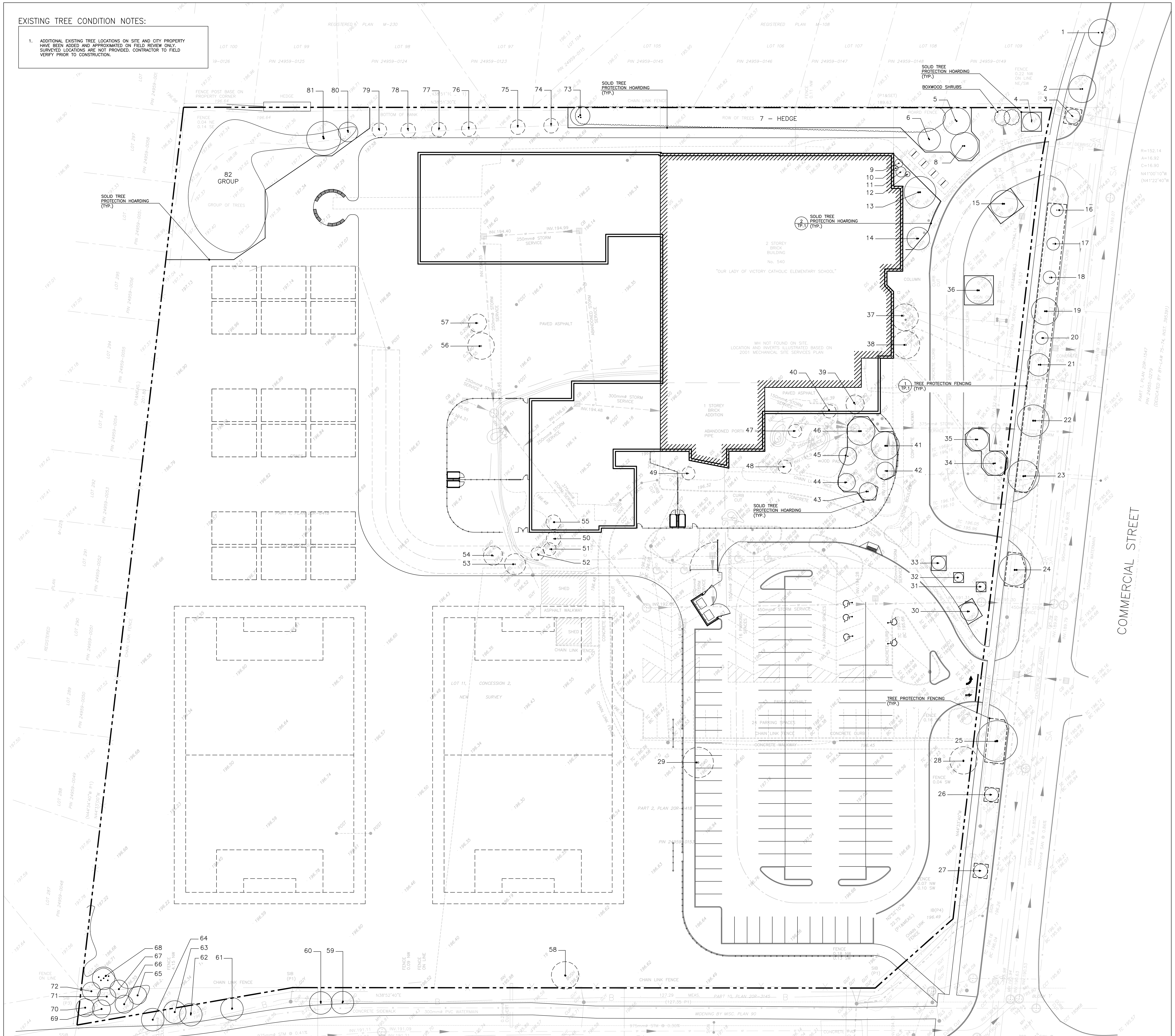
HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

CLIENT:
HOSSACK & ASSOCIATES ARCHITECTS
105-1939 IRONOAK WAY
OAKVILLE, ONTARIO L6H 3V8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE 1:300	PROJECT 2025-057
DATE NOV 2025	
DRAWN KS	DRAWING DETAILS AND STANDARDS CV-4
CHECKED CS	
PRINT DATE	
REVIT FILE	N/A

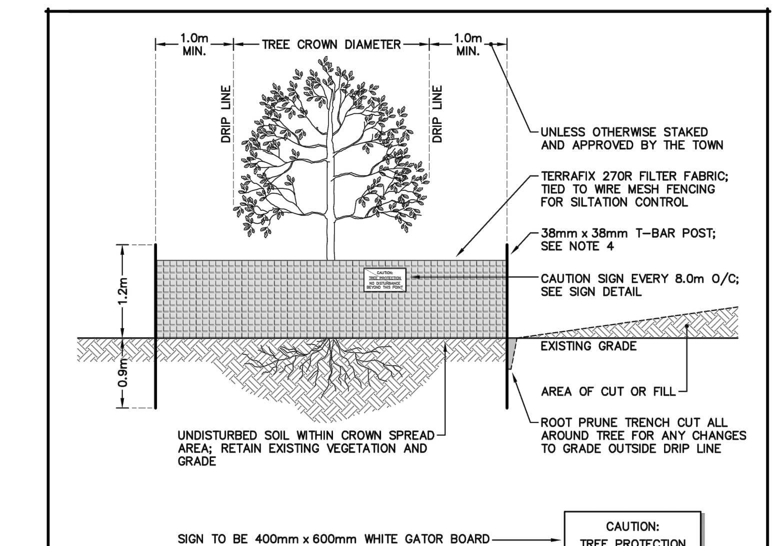
EXISTING TREE CONDITION NOTES:

1. ADDITIONAL EXISTING TREE LOCATIONS ON SITE AND CITY PROPERTY HAVE BEEN ADDED AND APPROXIMATED ON FIELD REVIEW ONLY. SURVEYED LOCATIONS ARE NOT PROVIDED. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.



PROTECTION AND PRESERVATION OF EXISTING VEGETATION NOTES:

1. PROTECTION FENCING FOR ALL VEGETATION DESIGNATED TO PRESERVED SHALL BE INSTALLED BY THE OWNER'S FORCES AND APPROVED BY THE TOWN OF MILTON PRIOR TO COMMENCEMENT OF ANY DEMOLITION, GRADING OR CONSTRUCTION ACTIVITIES ON THE LANDS. PROTECTION FENCE SHALL BE ERECTED OUTSIDE THE DRIP LINE OF TREES. GROUPS OF TREES AND VEGETATION TO BE PROTECTED SHALL BE DONE IN A LIKE MANNER WITH PROTECTIVE FENCING AROUND THE ENTIRE GROUPING(S). ALL PROTECTION MEASURES SHALL BE MONITORED BY THE OWNER'S LANDSCAPE ARCHITECT FOR THE DURATION OF THE CONSTRUCTION PERIOD.
2. AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES. SURPLUS SOIL, EQUIPMENT, DEBRIS OR MATERIALS SHALL NOT BE PLACED OVER ROOT SYSTEMS OF THE TREES WITHIN THE PROTECTIVE FENCING AREA. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
3. LIMBS OR PORTIONS OF TREES REMOVED TO ACCOMMODATE CONSTRUCTION WORK SHALL BE CLEANLY CUT UTILIZING THE COLLAR CUT METHOD, IN ACCORDANCE WITH SOUND ARBORICULTURAL TECHNIQUES BY A CERTIFIED LICENSED ARBORIST.
4. IF GRADES AROUND TREES TO BE PROTECTED ARE LIKELY TO CHANGE, THE OWNER'S FORCES SHALL BE REQUIRED TO TAKE ANY PRECAUTIONS SUCH AS DRY WELLING AND ROOT FEEDING OR ANY OTHER METHOD RECOMMENDED BY THE ARBORIST / LANDSCAPE ARCHITECT AND APPROVED BY THE TOWN OF MILTON
5. ROOT SYSTEMS OF PROTECTED TREES THAT ARE EXPOSED OR DAMAGED BY CONSTRUCTION WORK SHALL BE TRIMMED NEATLY. THE AREA SHALL BE BACK-FILLED WITH AN APPROPRIATE MATERIAL OR THE ROOTS SHALL BE SPRAYED WITH AN APPROVED ANTIDESSICANT TO PREVENT DRYING. WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THE BALANCE BETWEEN ROOTS AND TOP-GROWTH OR TO RESTORE THE APPEARANCE OF THE TREE, AS DIRECTED BY THE ARBORIST.
6. PRESERVED TREES AND/OR REMAINING TREES THAT BECOME EXPOSED THROUGH TREE REMOVALS SHALL BE INSPECTED BY THE PROJECT ARBORIST AFTER TREE REMOVAL HAS BEEN COMPLETED AND TREES IDENTIFIED AS BEING IN POOR HEALTH, HAVING POOR OR UNSTABLE STRUCTURE, OR ARE CONSIDERED HAZARDOUS, SHALL BE REMOVED. THE ARBORIST SHALL MONITOR SAID TREES THROUGHOUT CONSTRUCTION AND FOR A PERIOD OF TWO (2) YEARS THEREAFTER AND TAKE THE NECESSARY PRECAUTIONS TO ADDRESS TREE CONDITIONS IN A TIMELY MANNER OR AS DIRECTED BY THE TOWN OF MILTON
7. TREES DESIGNATED TO BE PRESERVED AND THAT HAVE BECOME DAMAGED OR DIE THROUGHOUT THE CONSTRUCTION PERIOD, OR FOR A PERIOD OF TWO (2) YEARS THEREAFTER, SHALL BE REPLACED ONE-FOR-ONE WITH TREES OF SIMILAR SPECIES AND EQUAL DIAMETER AT BREAST HEIGHT (DBH) AT NO ADDITIONAL COST TO THE OWNER.
8. ANY TREES DESIGNATED FOR REMOVAL SHALL HAVE THE STUMPS COMPLETELY EXCAVATED AND REMOVED FROM THE SITE.
9. TREE REMOVAL SHALL NOT TAKE PLACE DURING THE BREEDING BIRD WINDOWS OF APRIL 1st TO SEPTEMBER 31st.
10. PRIOR TO SITE DISTURBANCE THE OWNER MUST CONFIRM THAT NO MIGRATORY BIRDS ARE MAKING USE OF THE SITE FOR NESTING. THE OWNER MUST ENSURE THAT THE WORKS ARE IN CONFORMANCE WITH THE MIGRATORY BIRD CONVENTION ACT AND THAT NO MIGRATORY BIRD NESTS WILL BE IMPACTED BY THE PROPOSED WORK.
11. ENSURE SLIDE SLOPES OF ALL STOCKPILES OR EXTRACTION ACES ARE MAINTAINED AT 70 DEGREES OR LESS BETWEEN EARLY APRIL AND LATE AUGUST TO DETER BANK SWALLOWS FROM NESTING.



SIGN TO BE 400mm x 600mm WHITE GATOR BOARD (OR APPORVED EQ.)

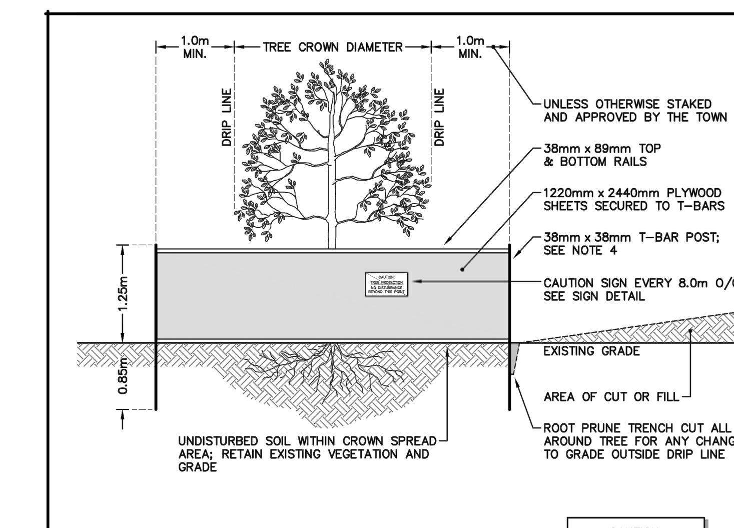
CAUTION: TREE PROTECTION NO DISTURBANCE BEYOND THIS POINT

SIGN DETAIL
SCALE: N.T.S.

NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH OPSD 220.010.
2. TREE PROTECTION FENCING AND ASSOCIATED FILTER FABRIC IS TO BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT CONSTRUCTION PERIOD, UNTIL APPROVAL TO REMOVE THE FENCING IS OBTAINED FROM THE TOWN OF MILTON.
3. EXISTING TREES SHALL BE PROPERLY PROTECTED AT OR OUTSIDE OF THE DRIP LINE WITH WIRE MESH FENCING AS PER THE APPROVED LANDSCAPE PLAN UNTIL SUBSTANTIAL PERFORMANCE OR REPLACEMENT WITH A PERMANENT FENCE.
4. STEEL T-BARS TO BE SPACED 2.5m O/C MIN.
5. EXISTING GRADE WITHIN DRIP LINE OF ALL TREES IS TO BE PRESERVED.
6. PRUNE DEAD WOOD ONLY AS DIRECTED BY THE TOWN. DO NOT PRUNE LEADERS.
7. WATERING AND FERTILIZING PROGRAM SHALL BE MAINTAINED TO THE SATISFACTION OF THE TOWN.
8. THE COST OF REPLACING DEAD AND/OR SEVERELY DAMAGED TREES, AS DETERMINED BY THE TOWN, SHALL BE BORNE BY THE DEVELOPER AND/OR GENERAL CONTRACTOR. THE SPECIES AND SIZE(S) MUST BE APPROVED BY THE TOWN.
9. ENSURE POSITIVE DRAINAGE AWAY FROM THE FENCED AREA.
10. NO STORAGE OF MATERIALS OR GRADE CHANGE IS PERMITTED WITHIN THE FENCED AREA.

Title: TREE PROTECTION FENCING — Scale 1:50 — Rev. Date 2024/SEP — Standard No. 10-01.02 — MILTON

TREE PROTECTION HOARDING — N.T.S. — 1
As per Town of Milton standards



SIGN TO BE 400mm x 600mm WHITE GATOR BOARD (OR APPORVED EQ.)

CAUTION: TREE PROTECTION NO DISTURBANCE BEYOND THIS POINT

SIGN DETAIL
SCALE: N.T.S.

NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH OPSD 220.010.
2. TREE PROTECTION HOARDING IS TO BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT CONSTRUCTION PERIOD, UNTIL APPROVAL TO REMOVE THE FENCING IS OBTAINED FROM THE TOWN OF MILTON.
3. EXISTING TREES SHALL BE PROPERLY PROTECTED WITHIN THE DRIP LINE WITH HOARDING AS PER THE APPROVED LANDSCAPE PLAN UNTIL SUBSTANTIAL PERFORMANCE OR REPLACEMENT WITH A PERMANENT FENCE.
4. STEEL T-BARS TO BE SPACED 2.5m O/C MIN.
5. EXISTING GRADE WITHIN DRIP LINE OF ALL TREES IS TO BE PRESERVED.
6. PRUNE DEAD WOOD ONLY AS DIRECTED BY THE TOWN. DO NOT PRUNE LEADERS.
7. WATERING AND FERTILIZING PROGRAM SHALL BE MAINTAINED TO THE SATISFACTION OF THE TOWN.
8. THE COST OF REPLACING DEAD AND/OR SEVERELY DAMAGED TREES, AS DETERMINED BY THE TOWN, SHALL BE BORNE BY THE DEVELOPER AND/OR GENERAL CONTRACTOR. THE SPECIES AND SIZE(S) MUST BE APPROVED BY THE TOWN.
9. ENSURE POSITIVE DRAINAGE AWAY FROM THE HOARDING AREA.
10. NO STORAGE OF MATERIALS OR GRADE CHANGE IS PERMITTED WITHIN THE HOARDING AREA.

Title: TREE PROTECTION HOARDING — Scale 1:50 — Rev. Date 2024/SEP — Standard No. 10-01.03 — MILTON

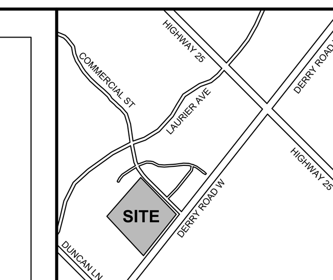
SOLID TREE PROTECTION HOARDING — N.T.S. — 2
As per Town of Milton standards

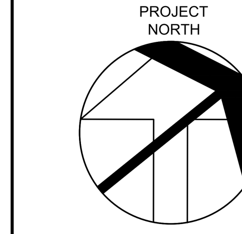
TREE INVENTORY LIST

#	Common Name	Botanical Name	DBH (cm)	TI	CS	CV	DL	Location	Recommendation and Notes	Action
1	Honey Locust	Gleditsia triacanthos	30	F	F	F		Regional ROW		Preserve
2	Honey Locust	Gleditsia triacanthos	31	FG	FG	FG		Regional ROW		Preserve
3	Honey Locust	Gleditsia triacanthos	7	F	F	F		Regional ROW		Preserve
4	Honey Locust	Gleditsia triacanthos	9	FG	FG	FG		Subject Property		Preserve
5	Austrian Pine	Pinus nigra	59	F	F	F		Subject Property		Preserve
6	Austrian Pine	Pinus nigra	34	F	F	F		Subject Property		Preserve
7	Cedar Hedge (Group)	Thuja occidentalis	7--13	FG	FG	FG		Subject Property		Preserve
8	Austrian Pine	Pinus nigra	53	F	F	F		Subject Property		Preserve
9	Cedar	Thuja occidentalis	8	FG	FG	FG		Subject Property		Preserve
10	Cedar	Thuja occidentalis	6	FG	FG	FG		Subject Property		Preserve
11	Cedar	Thuja occidentalis	10	FG	FG	FG		Subject Property		Preserve
12	Cedar	Thuja occidentalis	6	FG	FG	FG		Subject Property		Preserve
13	Honey Locust	Gleditsia triacanthos	28	F	F	F		Subject Property		Preserve
14	Russian Olive	Elaeagnus angustifolia	18 / 18	FP	FP	FP		Subject Property	Twin	Preserve
15	Norway Maple	Acer platanoides	31	FG	FG	FG		Subject Property		Preserve
16	Burr Oak	Quercus macrocarpa	6	G	G	G		Regional ROW		Preserve
17	Freeman's Maple	Acer x 'Freemanii'	6	G	G	G		Regional ROW		Preserve
18	Burr Oak	Quercus macrocarpa	6	G	G	G		Regional ROW		Preserve
19	Honey Locust	Gleditsia triacanthos	15	F	F	F		Regional ROW		Preserve
20	Freeman's Maple	Acer x 'Freemanii'	4	G	G	G		Regional ROW		Preserve
21	Honey Locust	Gleditsia triacanthos	10	F	F	F		Regional ROW		Preserve
22	Honey Locust	Gleditsia triacanthos	14	G	G	G		Regional ROW		Preserve
23	Honey Locust	Gleditsia triacanthos	14	FG	FG	FG		Regional ROW		Preserve
24	Honey Locust	Gleditsia triacanthos	19	FG	FG	FG		Regional ROW		Preserve
25	xxx	xxx	19					Regional ROW		Preserve
26	xxx	xxx	6					Regional ROW		Preserve
27	xxx	xxx	6					Regional ROW		Preserve
28	Ash Clump	Fraxinus species	9	F	F	F		Subject Property	Twin	Remove
29	Ash Clump	Fraxinus species	5--10	F	F	F		Subject Property	Remove to accommodate asphalt paving	Remove
30	Linden	Tilia cordata	22	FG	FG	FG		Subject Property		Preserve
31	Sugar Maple	Acer saccharinum	6	G	G	G		Subject Property		Preserve
32	Sugar Maple	Acer saccharinum	5	G	G	G		Subject Property		Preserve
33	Linden Clump	Tilia cordata	5--10 x 7	F	F	F		Subject Property		Preserve
34	Blue Spruce	Picea pungens	48	G	G	G		Subject Property		Preserve
35	Blue Spruce	Picea pungens	40	G	G	G		Subject Property		Preserve
36	Honey Locust	Gleditsia triacanthos	26	G	G	G		Subject Property		Preserve
37	Russian Olive	Elaeagnus angustifolia	19--28	F	F	F		Subject Property	3 Trunks - Remove to accommodate paving	Remove
38	Russian Olive	Elaeagnus angustifolia	11--22	F	F	F		Subject Property	4 Trunks - Remove to accommodate paving	Remove
39	Sugar Maple	Acer saccharinum	14	G	G	G		Subject Property	Remove to accommodate childcare	Remove
40	Linden	Tilia cordata	10	F	F	F		Subject Property	Remove to accommodate childcare	Remove
41	Linden	Tilia cordata	24	G	G	G		Subject Property		Preserve
42	Linden	Tilia cordata	16	G	G	G		Subject Property		Preserve
43	Linden	Tilia cordata	18	G	G	G		Subject Property		Preserve
44	Linden	Tilia cordata	18	G	G	G		Subject Property		Preserve
45	Pine Species	Pinus	18	G	G	G		Subject Property		Preserve
46	Sugar Maple	Acer saccharinum	20	G	G	G		Subject Property		Preserve
47	Linden	Tilia cordata	10	P	P	P		Subject Property	Poor Condition - Remove for childcare area	Remove
48	Linden	Tilia cordata		D	D	D		Subject Property	Dead - Remove for childcare area	Remove
49	Cherry Species	Prunus	95	F	F	F		Subject Property	Remove to accommodate childcare	Remove
50	Linden	Tilia cordata	7	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
51	Red Maple	Acer Saccharum	8	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
52	Honey Locust	Gleditsia triacanthos	9	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
53	Red Maple	Acer Saccharum	9	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
54	xxx	xxx	21	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
55	xxx	xxx	21	FG	FG	FG		Subject Property	Remove to accommodate asphalt paving	Remove
56	Red Oak	Quercus rubra	26	G	G	G		Subject Property	Remove to accommodate asphalt paving	Remove
57	Blue Spruce	Picea pungens	19	G	G	G		Subject Property	Remove to accommodate asphalt paving	Remove
58	Ash Clump	Fraxinus species	10	F	F	F		Subject Property	Remove to accommodate asphalt paving	Remove
59	Austrian Pine	Pinus nigra	48	F	F	F		Regional ROW	Topped	Preserve
60	Austrian Pine	Pinus nigra	45	F	F	F		Regional ROW		Preserve
61	Austrian Pine	Pinus nigra	51	F	F	F		Regional ROW		Preserve
62	Austrian Pine	Pinus nigra	51	F	F	F		Regional ROW		Preserve
63	Austrian Pine	Pinus nigra	43	F	F	F		Regional ROW	Topped	Preserve
64	Austrian Pine	Pinus nigra	44	F	F	F		Regional ROW	Topped	Preserve
65	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
66	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
67	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
68	Ash Clump	Fraxinus species		G	G	G		Subject Property		Preserve
69	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
70	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
71	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
72	Austrian Pine	Pinus nigra	45-52	F	F	F		Subject Property		Preserve
73	Ash Clump	Fraxinus species	10/15/18	F	F	F		Subject Property	Triple Clump	Preserve
74	Norway Maple 'Crimson King'	Acer platanoides	14	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
75	Norway Maple 'Crimson King'	Acer platanoides	14	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
76	Norway Maple 'Crimson King'	Acer platanoides	14	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
77	White Spruce	Picea pungens	19	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
78	White Spruce	Picea pungens	17	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
79	Norway Maple 'Crimson King'	Acer platanoides	17	FG	FG	FG		Subject Property	Remove to accommodate grading	Remove
80	White Spruce	Picea pungens	18	FG	FG	FG		Subject Property		Preserve
81	Sugar Maple	Acer saccharinum	32	FG	FG	FG		Subject Property		Preserve
82	Group (Mix of Red Oak, Burr Oak, White Pine, Maple)	Quercus, Pinus, Acer	10-35	FG	FG	FG		Subject Property	48 Trees total	Preserve

TREE LIST LEGEND

	Legend	
DBH	Diameter at Breast Height	(cm)
TI	Trunk Integrity	(G,F,P)
CS	Crown Structure	(G,F,P)
CV	Crown Vigor	(G,F,P)
DL	Dripline	(m)
G	Good	
F	Fair	
P	Poor	
~	Estimate	





LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE TRANSPLANTED
- EXISTING TREE TO BE REMOVED
- PROPERTY LINE
- TREE PROTECTION FENCING
- SOLID TREE PROTECTION HOARDING

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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.

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — KELLY V. HUNTER — MEMBER

OUR LADY OF VICTORY ADDITION & RENOVATION

SP XXXX
540 COMMERCIAL STREET
MILTON, ON

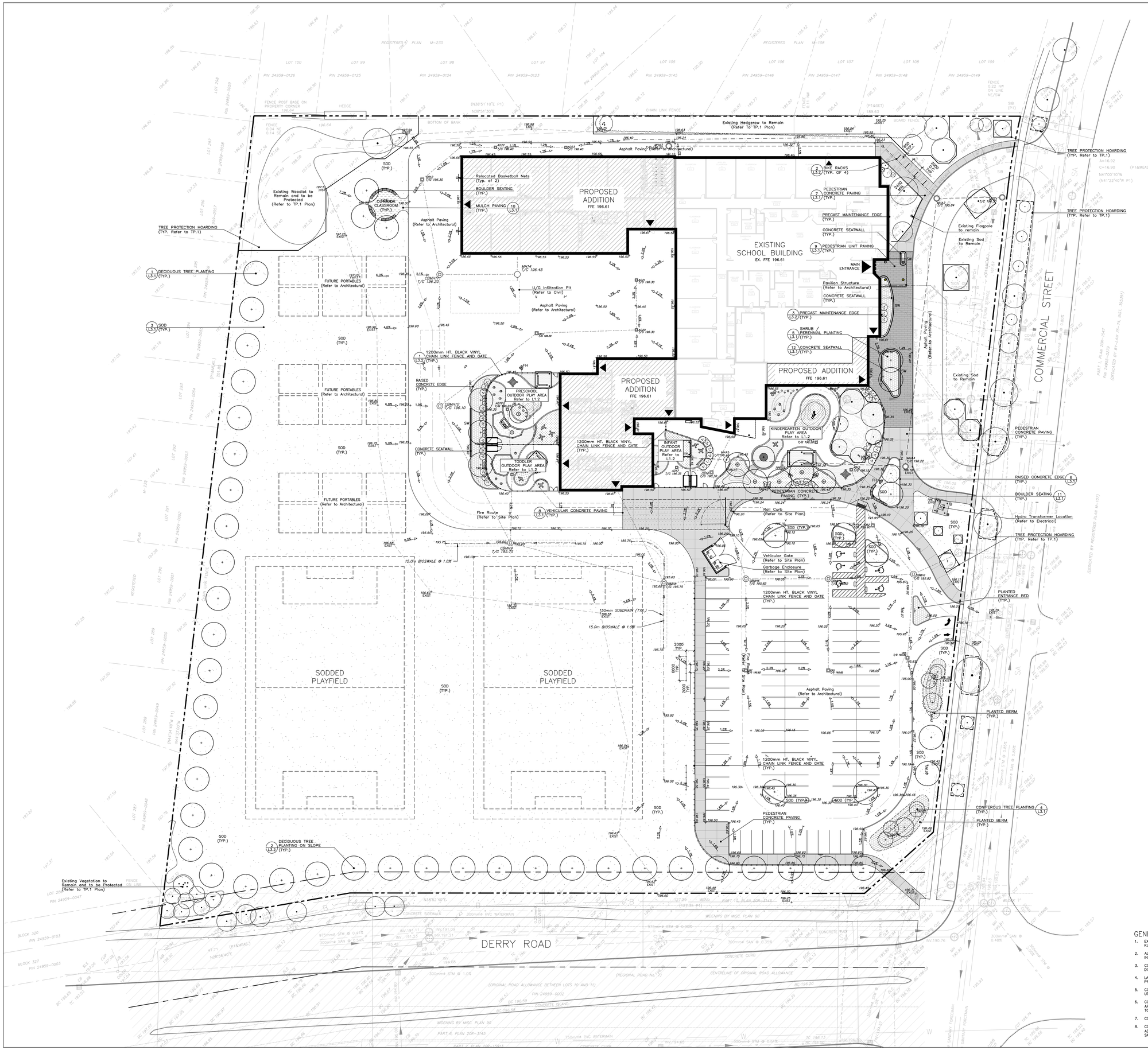
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

TREE INVENTORY & PRESERVATION PLAN

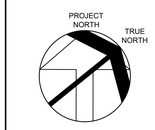
FRP inc. landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

SCALE	1:300	PROJECT	251598
DATE	2025.11.21		
DRAWN	JB	DRAWING	TP.1
CHECKED	KH/BF		



LEGEND

- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM ORNAMENTAL TREE
- SOD
- PLANTING BED Refer to Planting Plan
- PEDESTRIAN CONCRETE PAVING
- VEHICULAR CONCRETE PAVING
- PEDESTRIAN UNIT PAVING
- MULCH PAVING
- PLANTING EDGE
- STORM LINE CONNECTION (Refer to Civil)
- SANITARY SERVICE LINE (Refer to Civil)
- WATER SERVICE LINE (Refer to Civil)
- B METAL BOLLARD (Refer to Architectural)
- BR BIKE RACK
- FIRE HYDRANT (Refer to Civil)
- SW CONCRETE SEATWALL
- LS LIGHT STANDARD (Refer to Electrical)



NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 81% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL STREET
MILTON, ON

SP.XXXX

LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

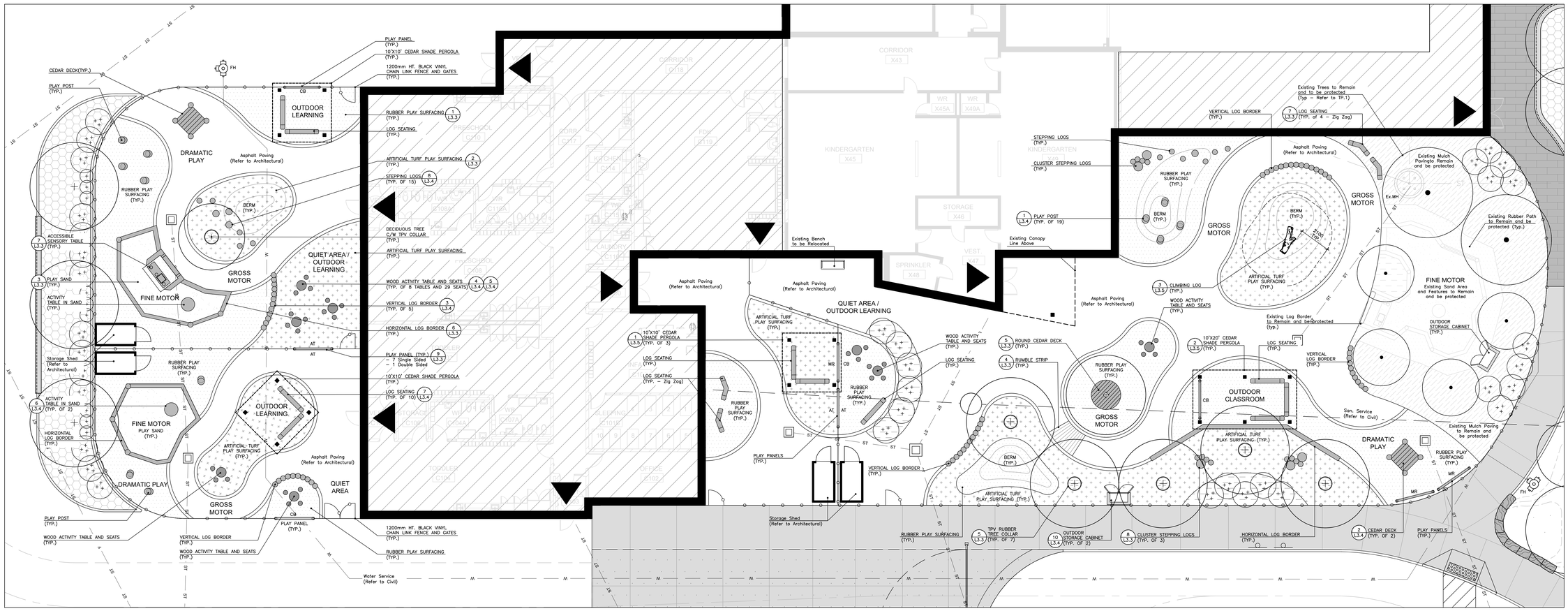
LANDSCAPE PLAN

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

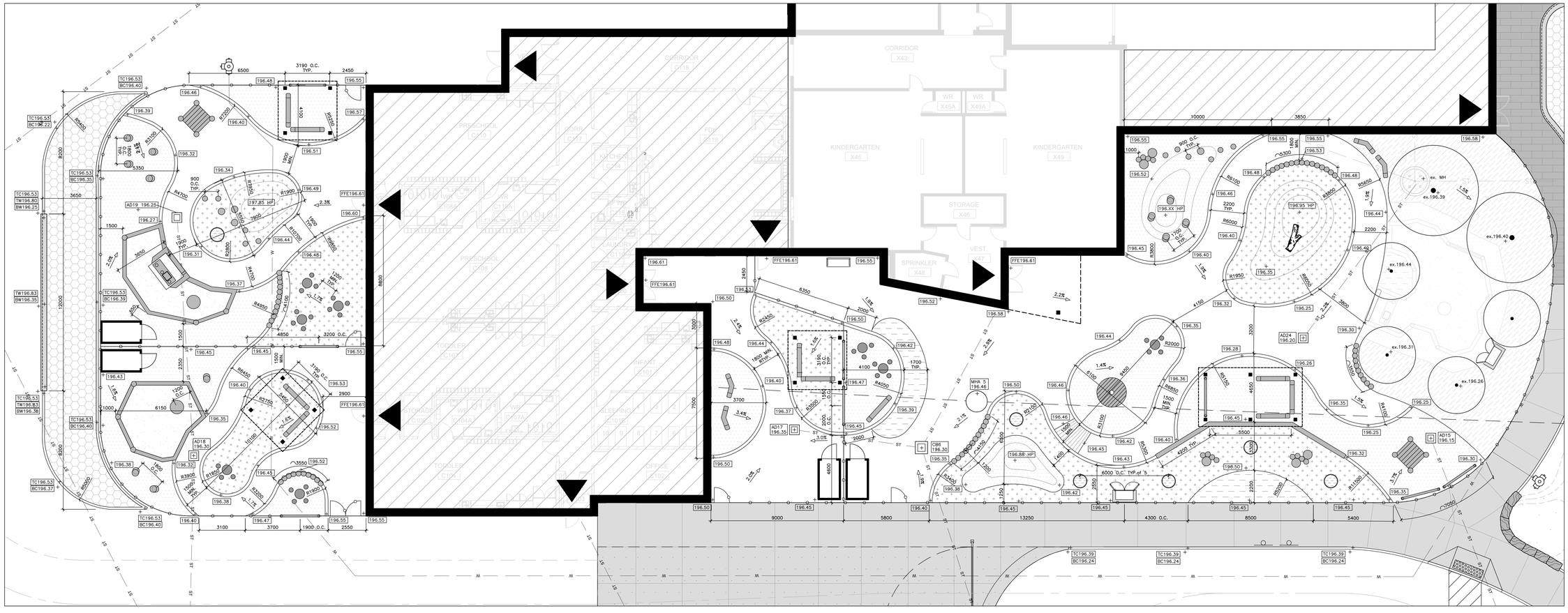
SCALE 1:300
DATE 2025.11.21
DRAWN JB
CHECKED KH/BF
PROJECT 251598
DRAWING L1.1

GENERAL NOTES

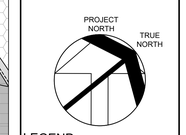
1. EXISTING CONDITIONS PLAN OF SURVEY BY TARASICK McMILLAN KUBICKI LIMITED, ONTARIO LAND SURVEYOR DATED JULY 29, 2025
2. ALL CONSTRUCTION HOARDING AND TREE PROTECTION TO BE INSTALLED PRIOR TO START OF OPERATIONS.
3. CONTRACTOR TO VERIFY ALL SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
4. LAYOUT ALL WORK FOR INSPECTION AND APPROVAL BY CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. CONTRACTOR RESPONSIBLE FOR ANY AND ALL UNDERGROUND UTILITIES.
6. CONTRACTOR TO LAY OUT ALL SITE FURNISHINGS FOR LANDSCAPE ARCHITECT / OWNER REVIEW AND FINAL FIELD ADJUSTMENT PRIOR TO CONTRACTOR AFFIXING SITE FURNISHINGS TO HARD SURFACES.
7. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM ALL STRUCTURES.
8. CONTRACTOR TO MAKE GOOD ALL DAMAGE TO ANY EXISTING OR ADJACENT CONDITIONS/ STRUCTURES DURING CONSTRUCTION TO THE SATISFACTION AND ACCEPTANCE OF THE CONSULTANT.



EARLY LEARNING ENLARGEMENT - SCALE 1:100



EARLY LEARNING LAYOUT AND GRADING SCALE 1:100



LEGEND

- ARTIFICIAL TURF
- RUBBER PLAY SURFACING
- SAND
- EWF MULCH PAVING
- BLACK VINYL CHAIN LINK FENCE
- CB PLAY PANEL CHALK BOARD
- AT PLAY PANEL TRANSPARENT ACRYLIC
- MR PLAY PANEL MIRROR
- HORIZONTAL LOG BORDER, TYPICAL
- HORIZONTAL LOG BORDER, BARRIER FREE
- VERTICAL LOG BORDER
- LOG SEATING, TYPICAL
- LOG SEATING, ZIG ZAG
- WOOD ACTIVITY TABLE & SEATS
- PLAY POST
- STEPPING LOGS
- CLUSTERED STEPPING LOGS
- SENSORY TABLE
- CEDAR PLAY DECK

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
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OUR LADY OF VICTORY ADDITION & RENOVATION

SP XXXX
540 COMMERCIAL STREET
MILTON, ON

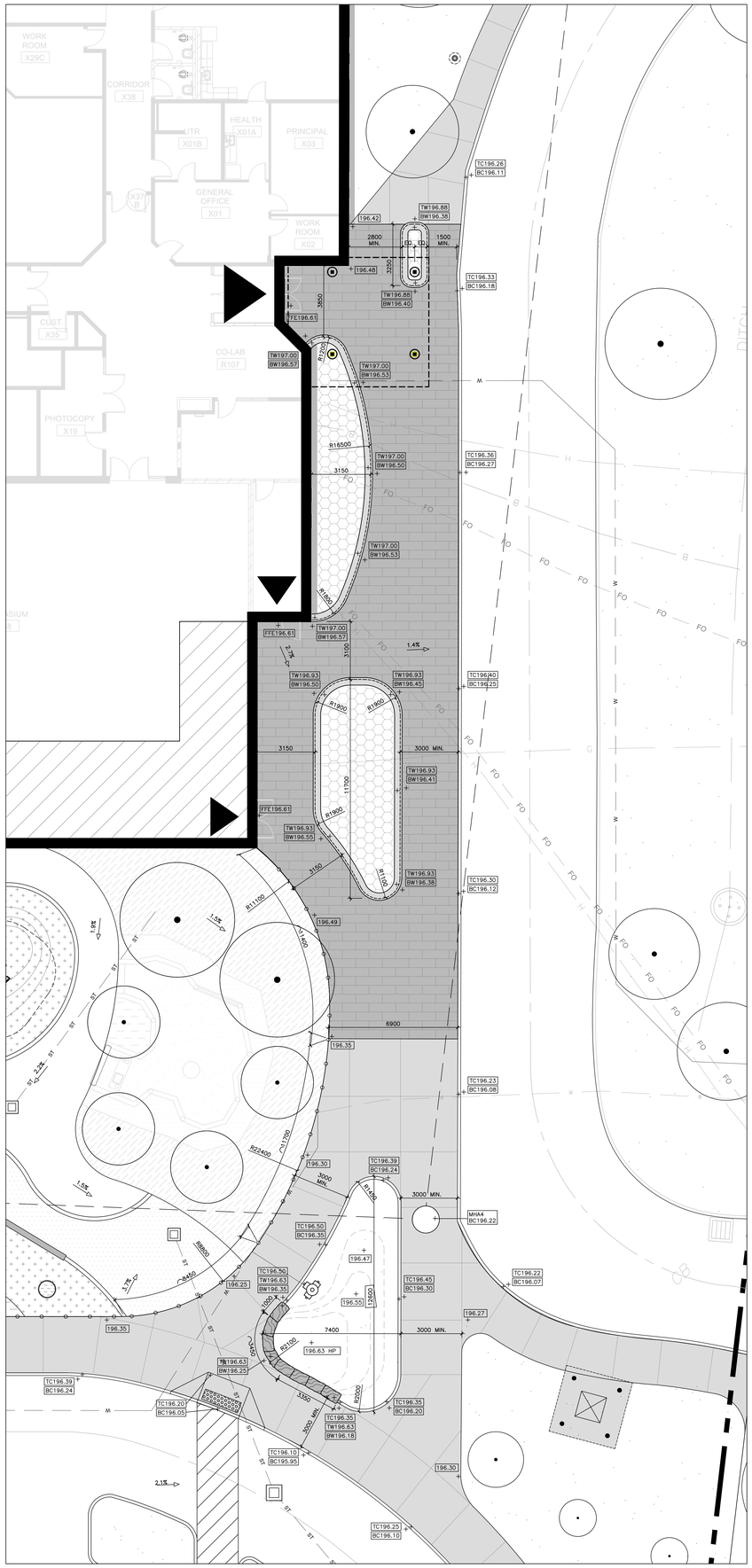
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

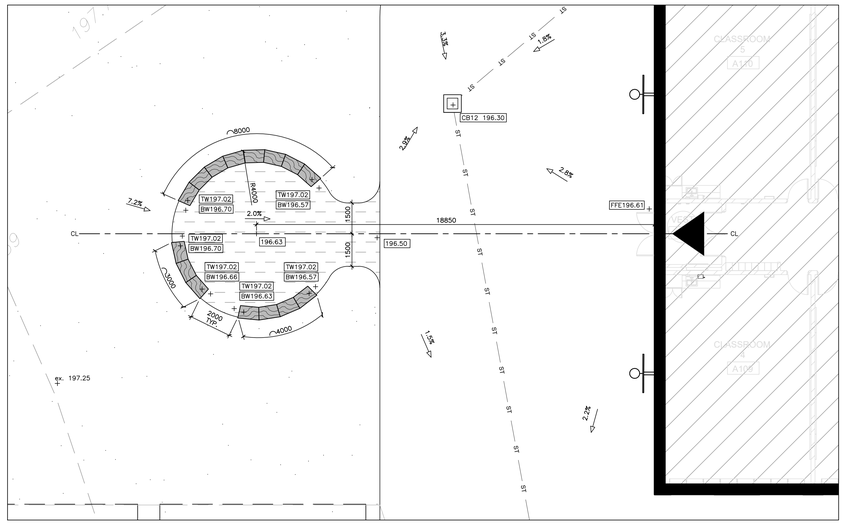
EARLY LEARNING ENLARGEMENTS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

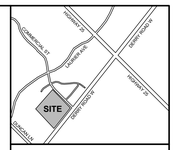
SCALE 1:100	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L1.2
CHECKED KH/BF	

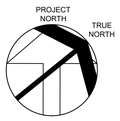


LANDSCAPE ENLARGEMENT - FRONT ENTRANCE PLAZA - SCALE 1:100



LANDSCAPE ENLARGEMENT - OUTDOOR CLASSROOM - SCALE 1:100





NO.	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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.

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LANDSCAPE ENLARGEMENTS

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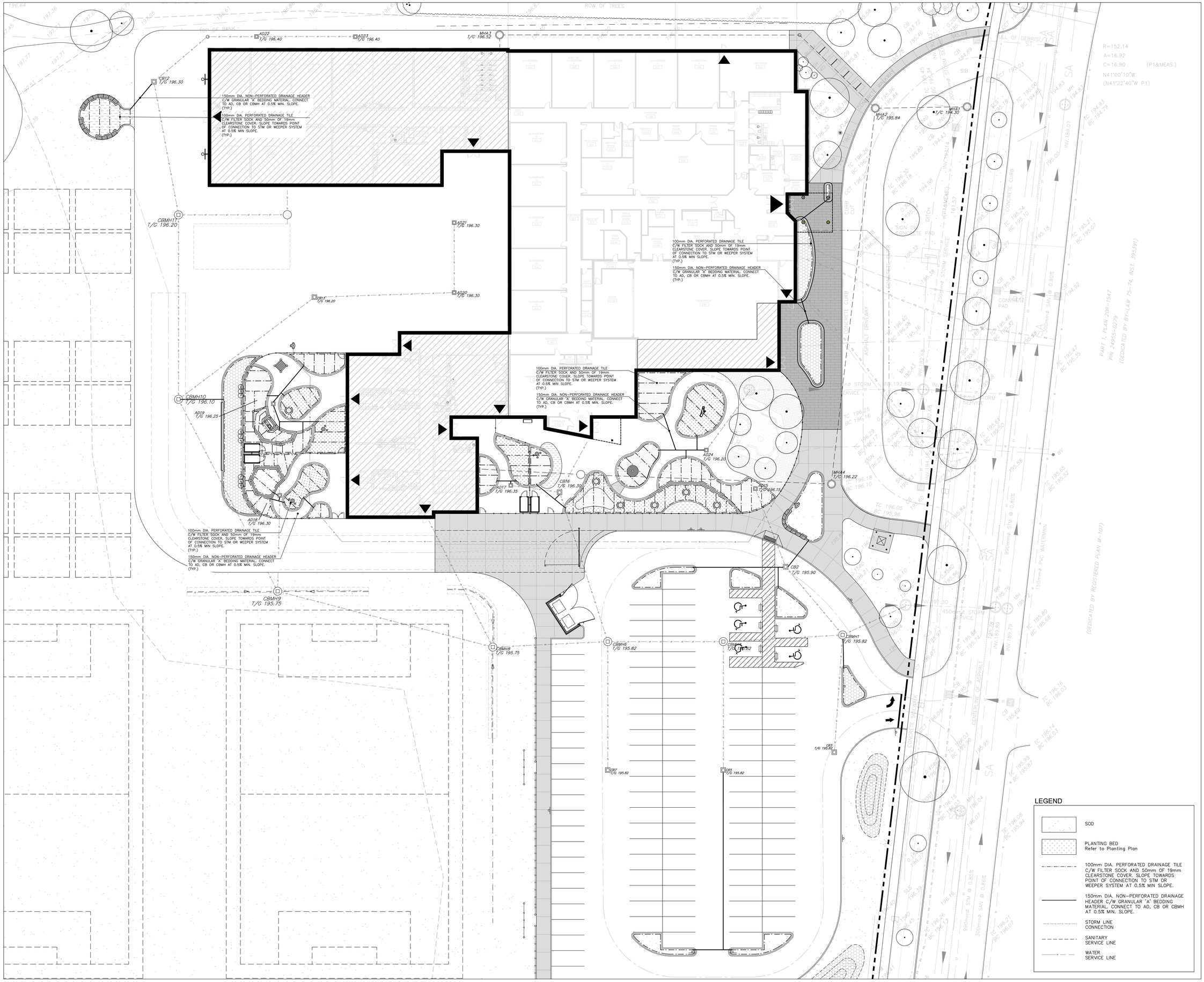
SCALE 1:100	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L1.3
CHECKED KH/BF	



LEGEND

- SOD
- PLANTING BED
  Refer to Planting Plan
- 100mm DIA. PERFORATED DRAINAGE TILE C/W FILTER SOCK AND 50mm OF 19mm CLEARSTONE COVER. SLOPE TOWARDS POINT OF CONNECTION TO STM OR WEEPER SYSTEM AT 0.5% MIN SLOPE.
- 150mm DIA. NON-PERFORATED DRAINAGE HEADER C/W GRANULAR 'A' BEDDING MATERIAL. CONNECT TO AD, CB OR CBMH AT 0.5% MIN. SLOPE.
- STORM LINE CONNECTION
- SANITARY SERVICE LINE
- WATER SERVICE LINE

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.30

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MILTON, ON

LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

SUBDRAINAGE PLAN

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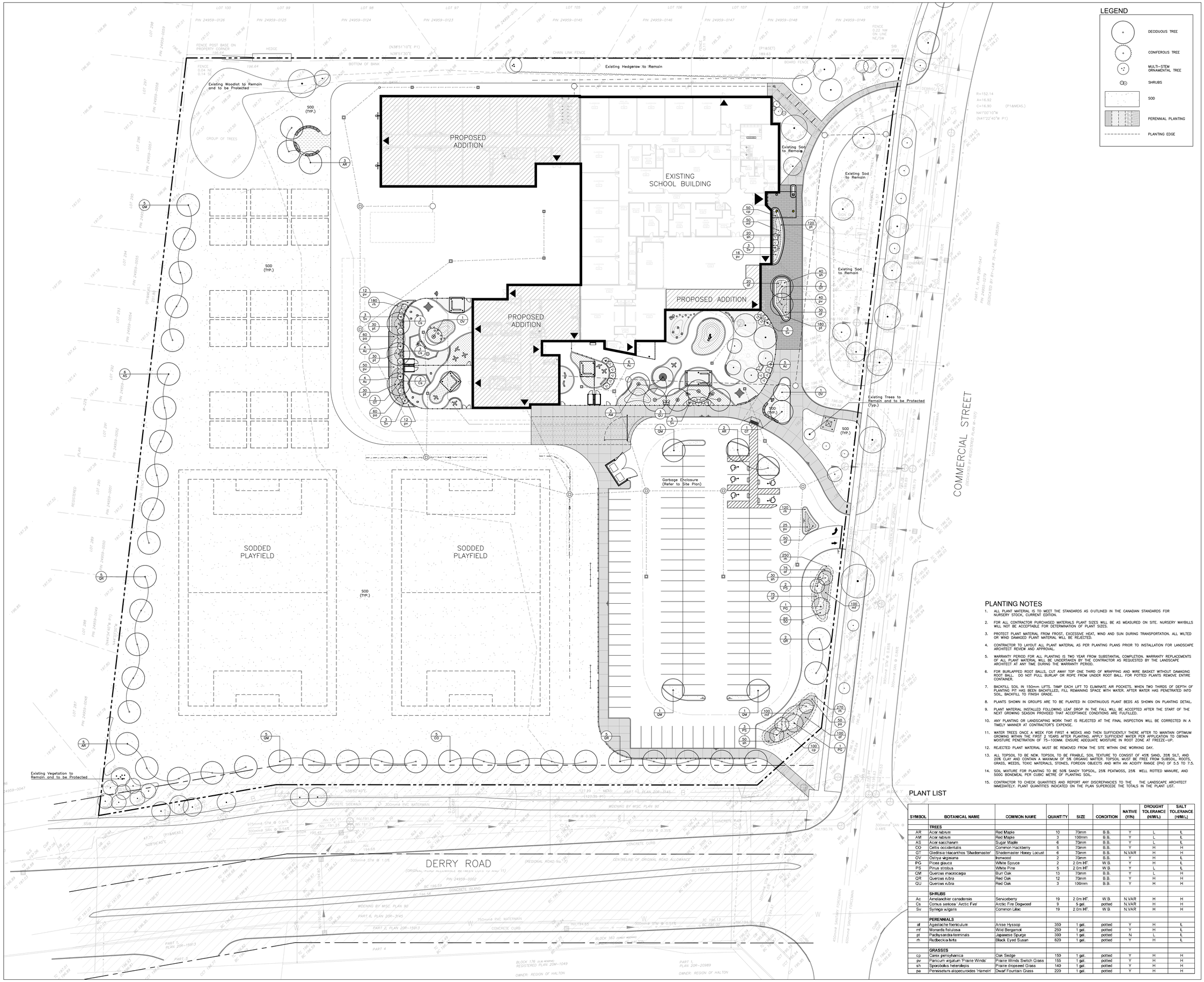
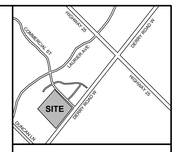
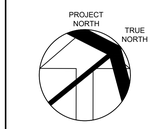
SCALE 1:200	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L1.4
CHECKED KHBF	



LEGEND

- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM ORNAMENTAL TREE
- SHRUBS
- SOD
- PERENNIAL PLANTING
- PLANTING EDGE





PLANTING NOTES

1. ALL PLANT MATERIAL IS TO MEET THE STANDARDS AS OUTLINED IN THE CANADIAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION.
2. FOR ALL CONTRACTOR PURCHASED MATERIALS PLANT SIZES WILL BE AS MEASURED ON SITE. NURSERY WAYBILLS WILL NOT BE ACCEPTABLE FOR DETERMINATION OF PLANT SIZES.
3. PROTECT PLANT MATERIAL FROM FROST, EXCESSIVE HEAT, WIND AND SUN DURING TRANSPORTATION. ALL WILTED OR WIND DAMAGED PLANT MATERIAL WILL BE REJECTED.
4. CONTRACTOR TO LAYOUT ALL PLANT MATERIAL AS PER PLANTING PLANS PRIOR TO INSTALLATION FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
5. WARRANTY PERIOD FOR ALL PLANTING IS TWO YEAR FROM SUBSTANTIAL COMPLETION. WARRANTY REPLACEMENTS OF ALL PLANT MATERIAL WILL BE UNDERTAKEN BY THE CONTRACTOR AS REQUESTED BY THE LANDSCAPE ARCHITECT AT ANY TIME DURING THE WARRANTY PERIOD.
6. FOR BURLAPPED ROOT BALLS, CUT AWAY TOP ONE THIRD OF WRAPPING AND WIRE BASKET WITHOUT DAMAGING ROOT BALL. DO NOT PULL BURLAP OR ROPE FROM UNDER ROOT BALL. FOR POTTED PLANTS REMOVE ENTIRE CONTAINER.
7. BACKFILL SOIL IN 150mm LIFTS. TAMP EACH LIFT TO ELIMINATE AIR POCKETS. WHEN TWO THIRDS OF DEPTH OF PLANTING PIT HAS BEEN BACKFILLED, FILL REMAINING SPACE WITH WATER. AFTER WATER HAS PENETRATED INTO SOIL, BACKFILL TO FINISH GRADE.
8. PLANTS SHOWN IN GROUPS ARE TO BE PLANTED IN CONTINUOUS PLANT BEDS AS SHOWN ON PLANTING DETAIL.
9. PLANT MATERIAL INSTALLED FOLLOWING LEAF DROP IN THE FALL WILL BE ACCEPTED AFTER THE START OF THE NEXT GROWING SEASON PROVIDED THAT ACCEPTANCE CONDITIONS ARE FULFILLED.
10. ANY PLANTING OR LANDSCAPING WORK THAT IS REJECTED AT THE FINAL INSPECTION WILL BE CORRECTED IN A TIMELY MANNER AT CONTRACTOR'S EXPENSE.
11. WATER TREES ONCE A WEEK FOR FIRST 4 WEEKS AND THEN SUFFICIENTLY THERE AFTER TO MAINTAIN OPTIMUM GROWING WITHIN THE FIRST 2 YEARS AFTER PLANTING. APPLY SUFFICIENT WATER PER APPLICATION TO OBTAIN MOISTURE PENETRATION OF 75–100MM. ENSURE ADEQUATE MOISTURE IN ROOT ZONE AT FREEZE–UP.
12. REJECTED PLANT MATERIAL MUST BE REMOVED FROM THE SITE WITHIN ONE WORKING DAY.
13. ALL TOPSOIL TO BE NEW. TOPSOIL TO BE FRIABLE, SOIL TEXTURE TO CONSIST OF 40% SAND, 35% SILT, AND 20% CLAY AND CONTAIN A MAXIMUM OF 5% ORGANIC MATTER. TOPSOIL MUST BE FREE FROM SUBSOIL, ROOTS, GRASS, WEEDS, TOXIC MATERIALS, STONES, FOREIGN OBJECTS AND WITH AN ACIDITY RANGE (PH) OF 5.5 TO 7.5.
14. SOIL MIXTURE FOR PLANTING TO BE 50% SANDY TOPSOIL, 25% PEATMOSS, 25% WELL ROTTED MANURE, AND 500G BONEMEAL PER CUBIC METRE OF PLANTING SOIL.
15. CONTRACTOR TO CHECK QUANTITIES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY. PLANT QUANTITIES INDICATED ON THE PLAN SUPERCEDE THE TOTALS IN THE PLANT LIST.

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	CONDITION	NATIVE (Y/N)	DROUGHT TOLERANCE (H/M/L)	SALT TOLERANCE (H/M/L)
	TREES							
AR	Acer rubrum	Red Maple	10	70mm	B.B.	Y	L	L
AM	Acer rubrum	Red Maple	3	100mm	B.B.	Y	L	L
AS	Acer saccharum	Sugar Maple	6	70mm	B.B.	Y	L	L
CO	Celtis occidentalis	Common Hackberry	5	70mm	B.B.	Y	H	H
GT	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	6	70mm	B.B.	N.VAR	H	H
OV	Ostrya virginiana	Ironwood	2	70mm	B.B.	Y	H	L
PG	Picea glauca	White Spruce	2	2.0m HT.	W.B.	Y	H	L
PS	Pinus strobus	White Pine	5	2.0m HT.	W.B.	Y	L	L
QM	Quercus macrocarpa	Burr Oak	13	70mm	B.B.	Y	L	H
QR	Quercus rubra	Red Oak	12	70mm	B.B.	Y	H	H
QU	Quercus rubra	Red Oak	3	100mm	B.B.	Y	H	H
	SHRUBS							
Ac	Amelanchier canadensis	Serviceberry	19	2.0m HT.	W.B.	N.VAR	H	H
Cs	Cornus sericea ' Arctic Fire'	Arctic Fire Dogwood	9	5 gal.	potted	N.VAR	H	H
Sv	Syringa vulgaris	Common Lilac	19	2.0m HT.	W.B.	N.VAR	H	H
	PERENNIALS							
af	Agastache foeniculum	Anise Hyssop	350	1 gal.	potted	Y	H	L
mf	Monarda fistulosa	Wild Bergamot	250	1 gal.	potted	Y	H	L
pt	Pachysandra terminalis	Japanese Spurge	390	1 gal.	potted	N	L	L
rh	Rudbeckia hirta	Black Eyed Susan	820	1 gal.	potted	Y	H	L
	GRASSES							
cp	Carex pensylvanica	Oak Sedge	150	1 gal.	potted	Y	H	H
pv	Panicum virgatum 'Prairie Winds'	Prairie Winds Switch Grass	155	1 gal.	potted	Y	H	H
sh	Sporobolus heterolepis	Prairie dropseed Grass	140	1 gal.	potted	Y	H	H
pa	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	220	1 gal.	potted	Y	H	H

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 60% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PLANTING PLAN

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
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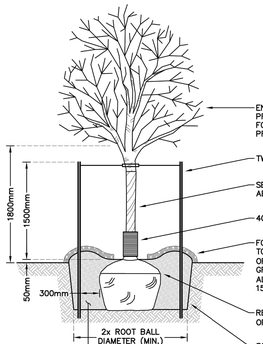
SCALE 1:300
DATE 2025.11.21
DRAWN JB
CHECKED KHBF
PROJECT 251598
DRAWING L2.1



ENSURE ONE UNPRUNED SINGLE LEADER. PRUNE TO REMOVE DAMAGED BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICES. PRUNE ONLY WHEN TREE IS DORMANT.

TWO (2) METAL T–BAR STAKES; SEE NOTE 5

SECURE APPROVED TREE WRAP UP TO ABOVE FIRST BRANCH WITH BINDER TWINE

400mm FLEXIBLE RODENT COLLAR

FORM 100mm TOPSOIL SAUCER AROUND TREE TO CONTAIN MOISTURE AND COVER WITH 75mm OF COMPACTED PINE BARK MULCH. (S.P.M. BY GRO–BARK LTD. OR CANADA RED MULCH BY ALLTREAT FARMS OR APPROVED EQ.) MAINTAIN 150mm SPACE BETWEEN TRUNK AND MULCHING.

REMOVE TOP RING OF WIRE BASKET OR BURLAP FROM ⅓ OF ROOT BALL

SCARIFY EDGES OF PIT PRIOR TO PLANTING. GLAZED SIDES WILL NOT BE ACCEPTED.

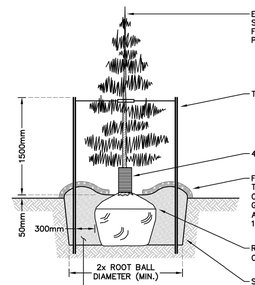
PLANTING SOIL (MIXED THOROUGHLY):
6 PARTS GOOD QUALITY TOPSOIL
2 PARTS WELL ROTTED COW MANURE
1 PART LEAF MULCH
APPLY WATER SOLUBLE FERTILIZER (5–3–2 RATIO) AT A MIX RATE OF 9kg/225L.
LIGHTLY COMPACT SOIL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT.

NOTES:
1. TREES ARE TO BE PLANTED PLUMB AND MAINTAINED PLUMB THROUGHOUT THE WARRANTY AND MAINTENANCE PERIOD.
2. TREES ARE TO BE PLANTED AT 50mm ABOVE ORIGINAL NURSERY GRADE AND SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.
3. TREES WITH TRUNK SCARS AND/OR WEAK GRAFT UNION WILL NOT BE ACCEPTED.
4. NO TREE PITS ARE TO BE LEFT OPEN OVERNIGHT.
5. METAL T–BARS ARE TO BE 38mm x 2400mm, DRILLED TO RECEIVE GALVANIZED 11 GAUGE GUY WIRES, THREADED THROUGH 10mm# BLACK RUBBER HOSE WRAPPED AROUND TRUNK. ANCHOR T–BARS FIRMLY INTO UNDISTURBED SUBGRADE A MIN. OF 300mm AWAY FROM THE ROOT BALL. METAL T–BARS ARE TO BE REMOVED AT COMPLETION OF THE WARRANTY PERIOD.
6. STANDARD MINIMUM CALIPER SIZE IS 60mm. CALIPER SIZE IS TO BE MEASURED AT STANDARD D.B.H. 1.4m ABOVE GRADE.

Title	Scale	Rev. Date	Standard No.
DECIDUOUS TREE PLANTING	1:40	2024/SEP	18–01.01

MILTON

DECIDUOUS TREE PLANTING — NTS (1)
As Per Town of Milton Standards



ENSURE ONE UNPRUNED SINGLE LEADER AND SIDE SHOOTS. PRUNE TO REMOVE DAMAGED BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICES. PRUNE ONLY WHEN TREE IS DORMANT.

TWO (2) METAL T–BAR STAKES; SEE NOTE 5

400mm FLEXIBLE RODENT COLLAR

FORM 100mm TOPSOIL SAUCER AROUND TREE TO CONTAIN MOISTURE AND COVER WITH 75mm OF COMPACTED PINE BARK MULCH. (S.P.M. BY GRO–BARK LTD. OR CANADA RED MULCH BY ALLTREAT FARMS OR APPROVED EQ.) MAINTAIN 150mm SPACE BETWEEN TRUNK AND MULCHING.

REMOVE TOP RING OF WIRE BASKET OR BURLAP FROM ⅓ OF ROOT BALL

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1 PART LEAF MULCH
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LIGHTLY COMPACT SOIL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT.

NOTES:
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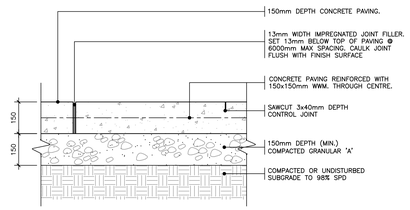
2. TREES ARE TO BE PLANTED AT 50mm ABOVE ORIGINAL NURSERY GRADE AND SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.
3. TREES WITH TRUNK SCARS AND/OR WEAK GRAFT UNION WILL NOT BE ACCEPTED.
4. NO TREE PITS ARE TO BE LEFT OPEN OVERNIGHT.
5. METAL T–BARS ARE TO BE 38mm x 2400mm, DRILLED TO RECEIVE GALVANIZED 11 GAUGE GUY WIRES, THREADED THROUGH 10mm# BLACK RUBBER HOSE WRAPPED AROUND TRUNK. ANCHOR T–BARS FIRMLY INTO UNDISTURBED SUBGRADE A MIN. OF 300mm AWAY FROM THE ROOT BALL. METAL T–BARS ARE TO BE REMOVED AT COMPLETION OF THE WARRANTY PERIOD.
6. STANDARD MINIMUM CALIPER SIZE IS 60mm. CALIPER SIZE IS TO BE MEASURED AT STANDARD D.B.H. 1.4m ABOVE GRADE.

Title	Scale	Rev. Date	Standard No.
CONIFEROUS TREE PLANTING	1:40	2024/SEP	18–01.02

MILTON

CONIFEROUS TREE PLANTING — NTS (4)
As Per Town of Milton Standards



150mm DEPTH CONCRETE PAVING.

13mm WIDTH IMPREGNATED JOINT FILLER. SET 13mm BELOW TOP OF PAVING @ 6000mm MAX SPACING. CAULK JOINT FLUSH WITH FINISH SURFACE

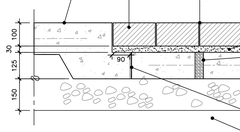
CONCRETE PAVING REINFORCED WITH 150x150mm WWM. THROUGH CENTRE.

SAWCUT 3x40mm DEPTH CONTROL JOINT

150mm DEPTH (MIN.) COMPACTED GRANULAR 'A'

COMPACTED OR UNDISTURBED SUBGRADE TO 98% SPD

PEDESTRIAN CONCRETE PAVING — 1:10 (7)



ADJACENT CONCRETE PAVING AS PER DETAIL.

100mm PRECAST CONCRETE UNIT PAVERS, REFER TO PLAN FOR LOCATIONS.

FILL JOINTS WITH POLYMERIC JOINT SAND

30mm MAX. DEPTH WASHED BRICK SAND BEDDING LAYER

25mm DIA. DRAINAGE HOLES @ 600mm O.C. FILL WITH 6MM CLEAR CHIP AGGREGATE.

125mm DEPTH CONCRETE PAVING AS PER DETAIL

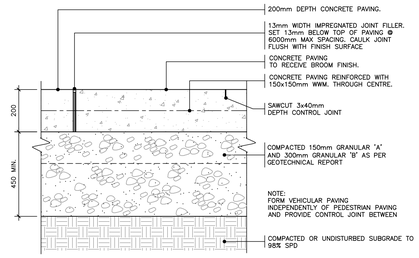
150mm DEPTH (MIN.) COMPACTED GRANULAR 'A' TO 100% SPMDD.

EXPANSION JOINT

COMPACTED OR UNDISTURBED SUBGRADE TO 98% SPD OR AS RECOMMENDED IN GEOTECHNICAL REPORT.

NOTES:
1. INSTALL DRAINAGE BOARD AT ALL INTERFACES BETWEEN CONCRETE BASE AND WALLS.
2. FROST SLABS AT DOORS TO BE SET 130mm BELOW FINISHED GRADE TO ACCOMMODATE PAVERS AND SETTING BED.
3. INSTALL METAL EDGE RESTRAINT WHERE UNIT PAVING ABUTS SOFT LANDSCAPE.

PEDESTRIAN UNIT PAVING — 1:10 (9)



200mm DEPTH CONCRETE PAVING.

13mm WIDTH IMPREGNATED JOINT FILLER. SET 13mm BELOW TOP OF PAVING @ 6000mm MAX SPACING. CAULK JOINT FLUSH WITH FINISH SURFACE

CONCRETE PAVING TO RECEIVE BROOM FINISH.

CONCRETE PAVING REINFORCED WITH 150x150mm WWM. THROUGH CENTRE.

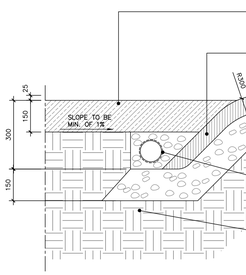
SAWCUT 3x40mm DEPTH CONTROL JOINT

COMPACTED 150mm GRANULAR 'A' AND 300mm GRANULAR 'B' AS PER GEOTECHNICAL REPORT

NOTE:
FORM VEHICULAR PAVING INDEPENDENTLY OF PEDESTRIAN PAVING AND PROVIDE CONTROL JOINT BETWEEN

COMPACTED OR UNDISTURBED SUBGRADE TO 98% SPD

VEHICULAR CONCRETE PAVING — 1:10 (8)



ENGINEERED WOOD FIBRE MULCH

TAMP OUTER EDGE OF ASPHALT @45%

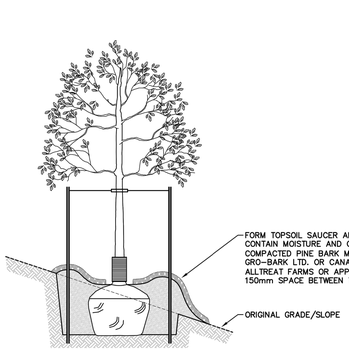
Medium Duty Asphalt. Refer to Architectural

150mm DEPTH, GRANULAR 'A' COMPACTED TO 98% SPDD. TO BE 200mm WIDER THAN FINISHED ASPHALT WIDTH

100mm PERFORATED BIG 'O' DRAINAGE TILE C/W FILTER SOCK AND 50mm, 19mm CLEAR STONE COVER. SLOPED AT 0.5% MIN. CONNECT DRAINAGE TILE TO NEAREST CB.

UNDISTURBED OR BACKFILLED AND COMPACTED SUBGRADE TO 98% SPD.

MULCH PAVING — 1:10 (10)



FORM TOPSOIL SAUCER AROUND TREE TO CONTAIN MOISTURE AND COVER WITH 75mm OF COMPACTED PINE BARK MULCH. (S.P.M. BY GRO–BARK LTD. OR CANADA RED MULCH BY ALLTREAT FARMS OR APPROVED EQ.) MAINTAIN 150mm SPACE BETWEEN TRUNK AND MULCHING.

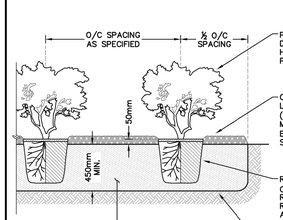
ORIGINAL GRADE/SLOPE

NOTES:
1. THIS DRAWING IS INTENDED TO ILLUSTRATE THE REQUIRED PLANTING ADJUSTMENTS REQUIRED TO PLANT ON A SLOPE. FOR ALL OTHER PLANTING INFORMATION REFER TO TMSD 18–01.01 & 18–01.02.

Title	Scale	Rev. Date	Standard No.
TREE PLANTING (ON SLOPE)	1:40	2024/SEP	18–02.01

MILTON

DECIDUOUS TREE SLOPE PLANTING — NTS (2)
As Per Town of Milton Standards



PRUNE (TO SUIT SPECIES) TO REMOVE DAMAGED BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICES. DO NOT PRUNE LEADER.

COVER BED WITH 75mm THICK CONTINUOUS LAYER OF COMPACTED PINE BARK MULCH. (S.P.M. BY GRO–BARK LTD. OR CANADA RED MULCH BY ALLTREAT FARMS OR APPROVED EQ.) MAINTAIN 150mm SPACE BETWEEN MAIN STEM AND MULCHING.

REMOVE PLASTIC/FIBRE POT FROM ROOT BALL OR CUT & REMOVE BURLAP FROM TOP ⅔ OF ROOT BALL. FOR BARE ROOT PLANTING, SPREAD ROOTS EVENLY OVER TAMPED PLANTING SOIL AND WORK SOIL BETWEEN ROOTS. PLANT SHRUB WITHOUT DISTURBING ROOT BALL.

SCARIFY EDGES OF PIT PRIOR TO PLANTING. GLAZED SIDES WILL NOT BE ACCEPTED.

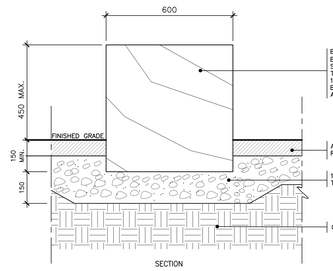
PLANTING SOIL (MIXED THOROUGHLY):
6 PARTS GOOD QUALITY TOPSOIL
2 PARTS WELL ROTTED COW MANURE
1 PART LEAF MULCH
APPLY WATER SOLUBLE FERTILIZER (5–3–2 RATIO) AT A MIX RATE OF 9kg/225L.
LIGHTLY COMPACT SOIL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT.

NOTES:
1. EXCAVATE ENTIRE SHRUB BED AS SHOWN ON DRAWINGS. REMOVE RUBBING AND/OR BROKEN BRANCHES, NURSERY TAGS, AND PLASTIC/METAL. (DO NOT TOP PRUNE.)
2. SHRUBS TO BE PLANTED AT 50mm ABOVE ORIGINAL NURSERY GRADE AND SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.
3. NO SHRUB PITS ARE TO BE LEFT OPEN OVERNIGHT.

Title	Scale	Rev. Date	Standard No.
SHRUB/PERENNIAL PLANTING	1:25	2024/SEP	18–01.03

MILTON

SHRUB PLANTING — NTS (5)
As Per Town of Milton Standards



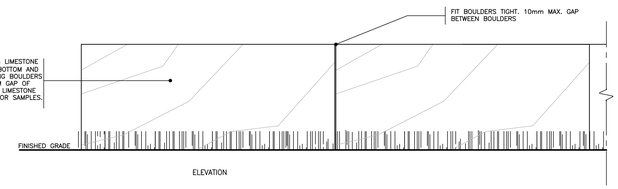
BOULDER SEATING 1000x600x600mm LIMESTONE BOULDERS C/W NATURAL TOP AND BOTTOM AND SPLIT FACE EXPOSED SIDES. ABUTTING BOULDERS TO BE SAWCUT TO ENSURE MAXIMUM GAP OF 10mm BETWEEN PLACED BOULDERS. LIMESTONE BOULDER SELECTED FROM CONTRACTOR SAMPLES. ALL SHARP EDGES TO BE ROUNDED

ADJACENT SURFACING REFER TO PLAN

150mm COMPACTED GRANULAR 'A' TO 98% SPMDD

COMPACTED SUBGRADE TO 98% SPD.

SECTION

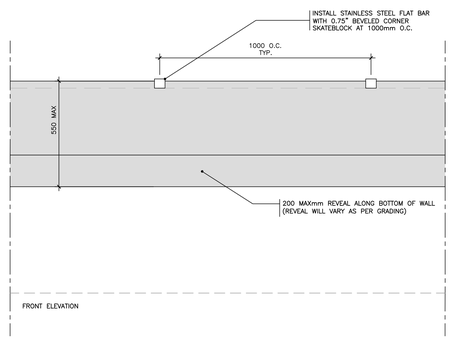


FIT BOULDERS TIGHT. 10mm MAX. GAP BETWEEN BOULDERS

ELEVATION

NOTE:
1. BOULDERS AND LOCATIONS TO BE APPROVED ON SITE BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. BURY BOTTOM COURSE BOULDER 150mm MIN. SO THAT THE SIDES MEET THE GROUND AT A 90° ANGLE OR MORE

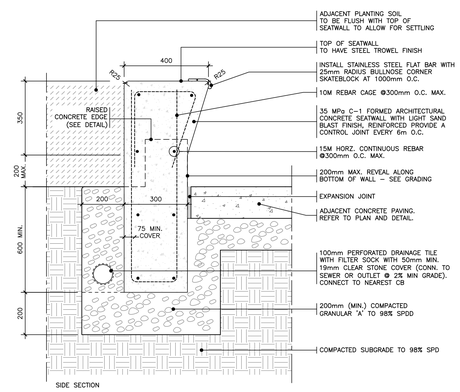
BOULDER SEATING — 1:10 (11)



INSTALL STAINLESS STEEL FLAT BAR WITH 0.75" BEVELED CORNER SKATEBLOCK AT 1000mm O.C.

200 MAXmm REVEAL ALONG BOTTOM OF WALL (REVEAL WILL VARY AS PER GRADING)

FRONT ELEVATION



ADJACENT PLANTING SOIL TO BE FLUSH WITH TOP OF SEATWALL TO ALLOW FOR SETTLING

TOP OF SEATWALL TO HAVE STEEL TROWEL FINISH

INSTALL STAINLESS STEEL FLAT BAR WITH 25mm RADIUS BULLNOSE CORNER SKATEBLOCK AT 1000mm O.C.

10M REBAR CAGE @300mm O.C. MAX.

35 MPa C–1 FORMED ARCHITECTURAL CONCRETE SEATWALL WITH LIGHT SAND BLAST FINISH. REINFORCED PROVIDE A CONTROL JOINT EVERY 6m O.C.

15M HORZ. CONTINUOUS REBAR @300mm O.C. MAX.

200mm MAX. REVEAL ALONG BOTTOM OF WALL – SEE GRADING

EXPANSION JOINT

ADJACENT CONCRETE PAVING. REFER TO PLAN AND DETAIL.

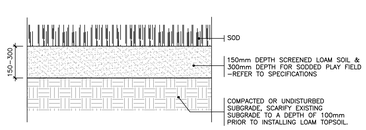
100mm PERFORATED DRAINAGE TILE WITH FILTER SOCK WITH 50mm MIN. 19mm CLEAR STONE COVER (CONN. TO SEWER OR OUTLET @ 2% MIN GRADE). CONNECT TO NEAREST CB

200mm (MIN.) COMPACTED GRANULAR 'A' TO 98% SPDD

COMPACTED SUBGRADE TO 98% SPD

SIDE SECTION

CONCRETE SEATWALL — 1:10 (12)



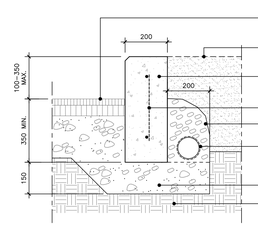
SOD

150mm DEPTH SCREENED LOAM SOIL & 300mm DEPTH FOR SODDED PLAY FIELD –REFER TO SPECIFICATIONS

COMPACTED OR UNDISTURBED SUBGRADE. SCARIFY EXISTING SUBGRADE TO A DEPTH OF 100mm PRIOR TO INSTALLING LOAM TOPSOIL.

NOTE: FOR SOD ON SLOPES OF 3:1 AND 4:1, INSTALL SOD WITH THEIR LONGEST DIMENSION PERPENDICULAR TO THE SLOPE, AND STAKE TO SECURE. PAINT STAKES ALL PROTRUDING STAKES WITH ORANGE PAINT.

SOD — NTS (3)



REFER TO PLAN FOR ADJACENT PAVING

ADJACENT PLANTING AS PER PLAN AND DETAIL

32 MPa FORMED CONCRETE EDGE WITH BOARD FINISH, REINFORCED WITH 15M @300mm O.C. MAX. CONT. REBAR c/w 20mm CHAMFER ON WALKWAY SIDE

15M VERTICAL REBAR @300mm O.C. MAX.

19mm CLEAR STONE

100mm PERFORATED BIG 'O' DRAINAGE TILE C/W FILTER SOCK AND 50mm, 19mm CLEAR STONE COVER. SLOPED AT 0.5% MIN. CONNECT DRAINAGE TILE TO STORMWATER SYSTEM.

150mm (MIN.) COMPACTED GRANULAR 'A'

COMPACTED OR UNDISTURBED SUBGRADE TO 98% SPD

NOTE: TOP OF EDGE ELEVATION TO BE LEVEL

RAISED CONCRETE EDGE — NTS (6)

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — FACULTY LICENSED — MEMBER

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL STREET
MILTON, ON

SP XXXX

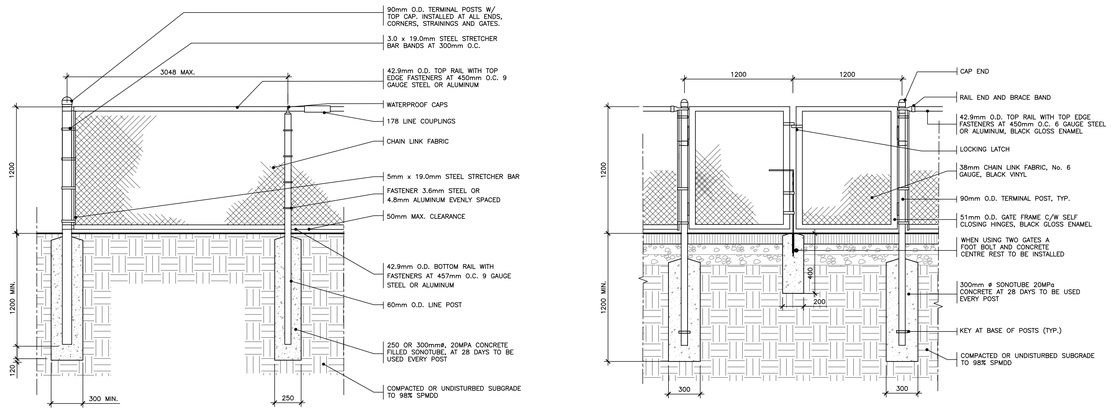
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DETAILS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M4N 1B9
www.frpinc.ca

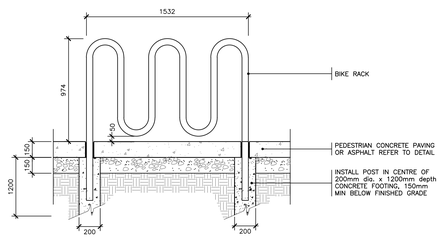
SCALE AS NOTED	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L3.1
CHECKED KH/BF	



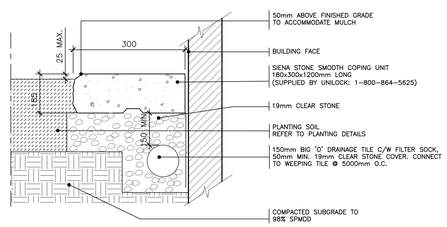
NOTES:

1. CHAIN LINK FENCE AND GATE HEIGHTS TO BE AS SPECIFIED ON LANDSCAPE PLAN. BLACK VINYL WOVEN MESH TO BE 38 x 38, 6 GA (NCL. VINYL) GALVANIZED STEEL CORE; MESH/FABRIC TO BE FASTENED TO TERMINAL POSTS WITH STRETCHER BARS AND BAR BANDS, 300mm O.C.; SECURE TO RAILS WITH 3mm WIRE TIES KNUCKLED @ 457mm O.C.
2. FINISH ON ALL COMPONENTS TO BE BLACK GLOSS ENAMEL BY POWDER COAT APPLICATION. ALL SURFACES TO BE CHEMICALLY CLEANED AND TREATED PRIOR TO COATING WITH PARKER BONERITE AND CHLOROTHENE SOLVENT OR APPROVED EQUALS. POWDER COATING MUST BE A POLYESTER 2000 SERIES, THICKNESS OF 4–5mm BY ELECTROSTATIC PROCESS, OVEN–CURED TO A SMOOTH AND EVEN SURFACE.
3. ALL FENCE POSTS AND RAILS TO BE GALVANIZED SCHEDULE 40 PIPE. THEY MUST CONFORM TO CURRENT SPECIFICATIONS HOT DIPPED ZINC COATED (GALVANIZED) WELDED AND SEAMLESS PIPE FOR ORDINARY USES.
4. ALL REQUIRED FITTINGS AND HARDWARE TO BE OF A SUITABLE ALUMINUM ALLOY OR OF A STEEL DUCTILE IRON. PLASTIC COUPLINGS, FITTINGS OR ANY OTHER PLASTIC COMPONENTS WILL NOT BE ACCEPTED.
5. ALL DIMENSIONS ARE IN MILLIMETERS.
6. NO PROTRUDING BOLTS; CUT BACK AND FILE EDGES.
7. ALL WIRES TO BE TERMINATED SO AS TO BE SAFE FOR CHILDREN.
8. TOUCH UP ANY DAMAGED GALVANIZED COATING AFTER INSTALLATION WITH ZRC COLD GALVANIZING COMPOUND.

1200mm HT. BLACK VINYL CHAIN LINK FENCE AND GATE 1:20 (1)



BIKE RACK 1:10 (2)



PRECAST MAINTENANCE EDGE 1:10 (3)

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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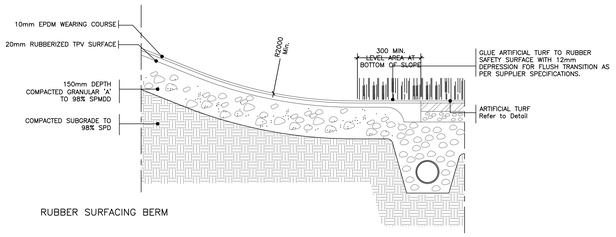
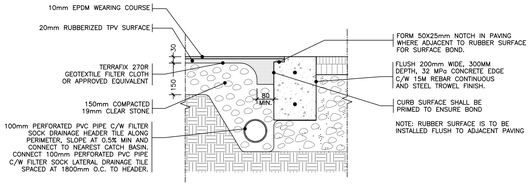
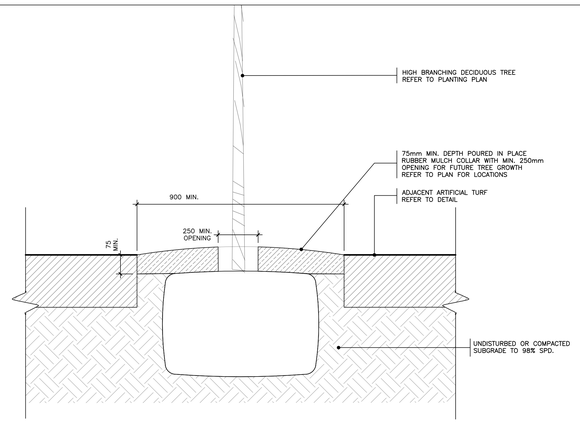
SCALE AS NOTED	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L3.2
CHECKED KH/BF	



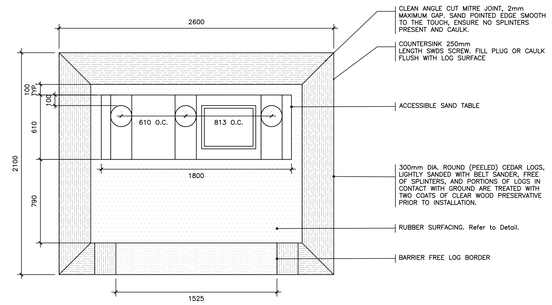
RUBBER SURFACING BERM

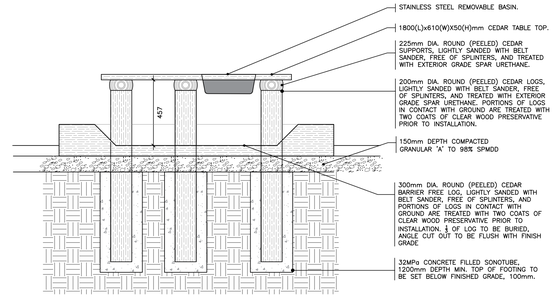


RUBBER PLAY SURFACING 1:10 (1)

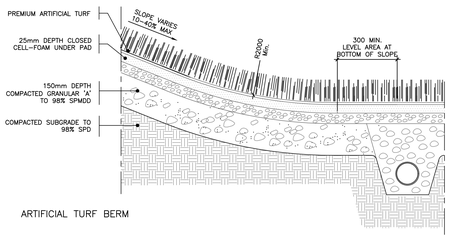


TPV RUBBER TREE COLLAR 1:10 (5)

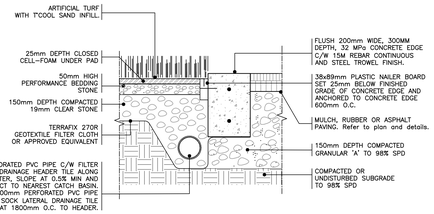




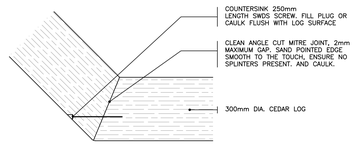
ACCESSIBLE SENSORY TABLE NTS (7)



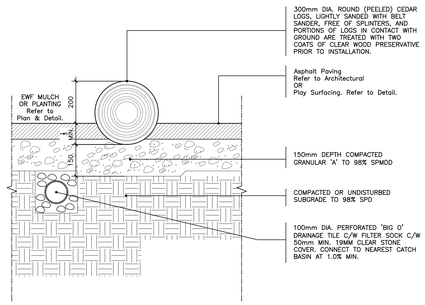
ARTIFICIAL TURF BERM



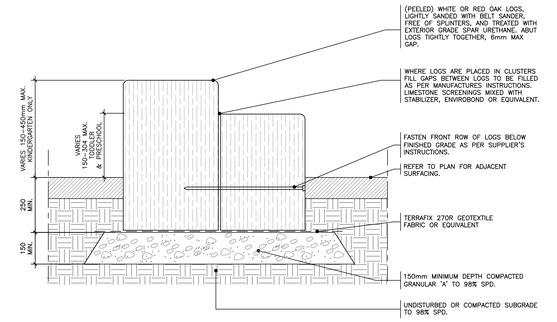
ARTIFICIAL TURF PLAY SURFACING 1:10 (2)



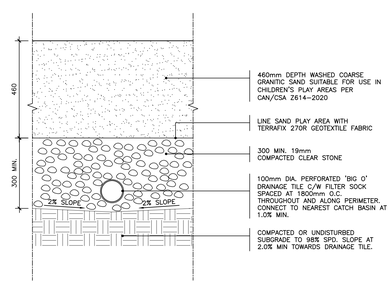
PLAN VIEW



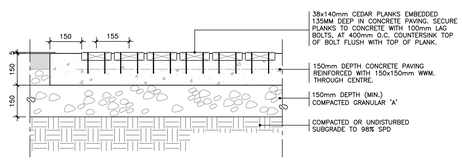
SECTION – LOG EDGING



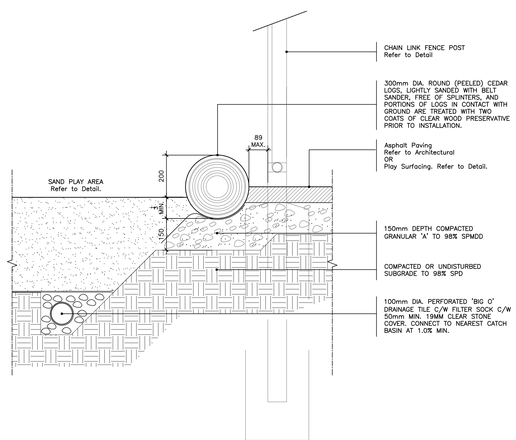
CLUSTER STEPPING LOGS NTS (8)



PLAY SAND 1:10 (3)

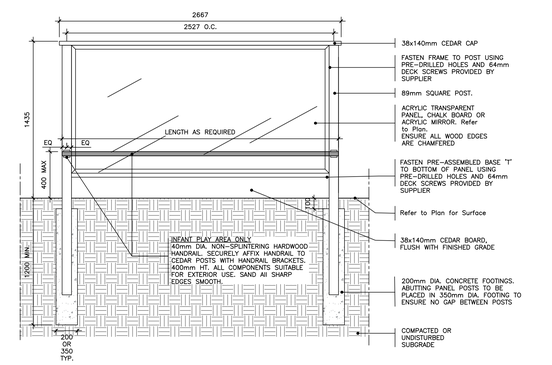


RUMBLE STRIP 1:10 (4)



SECTION – SAND PLAY AREA

HORIZONTAL LOG BORDER NTS (6)



PLAY PANEL NTS (9)

NO.	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.26
1	ISSUED FOR CLIENT REVIEW	2025.12.25

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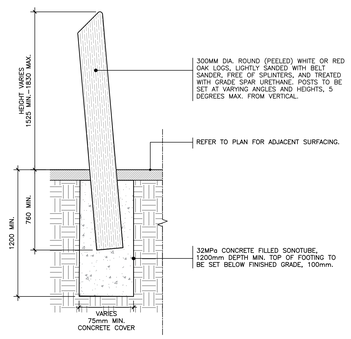
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD
CSB

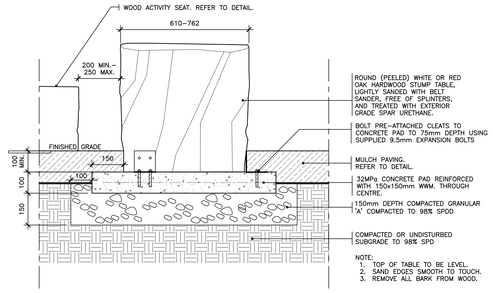
EARLY LEARNING DETAILS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

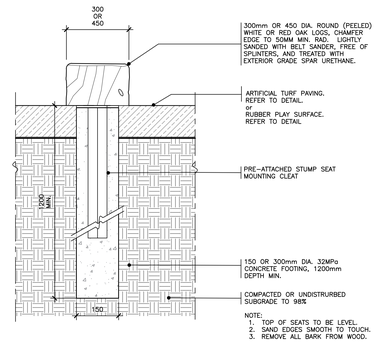
SCALE AS NOTED	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L3.3
CHECKED KH/BF	



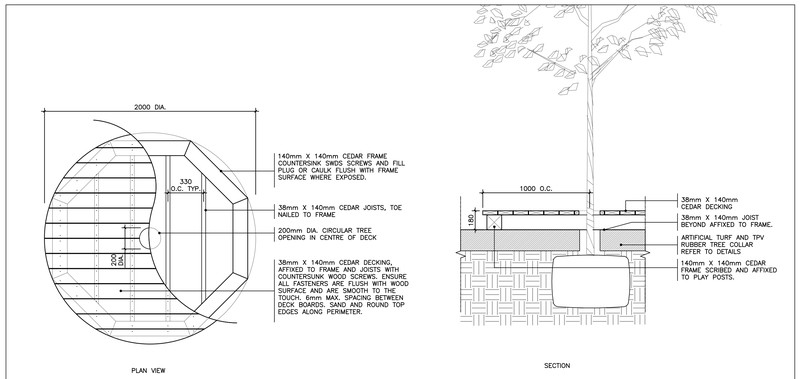
PLAY POST NTS 1



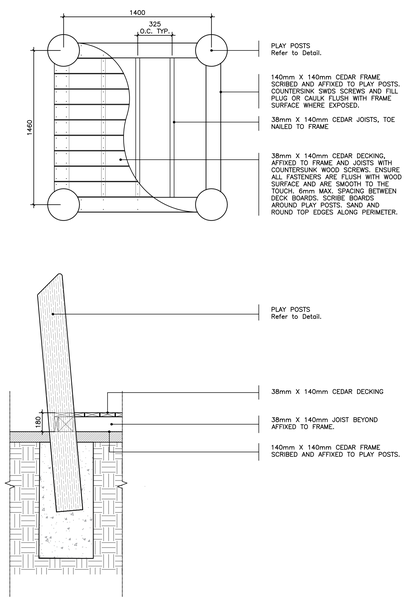
WOOD ACTIVITY TABLE NTS 4



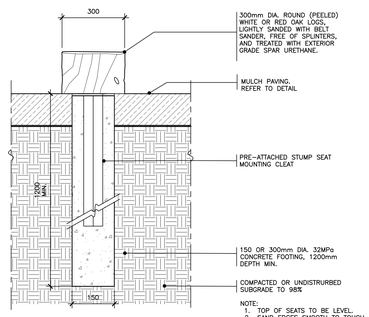
STEPPING LOGS NTS 8



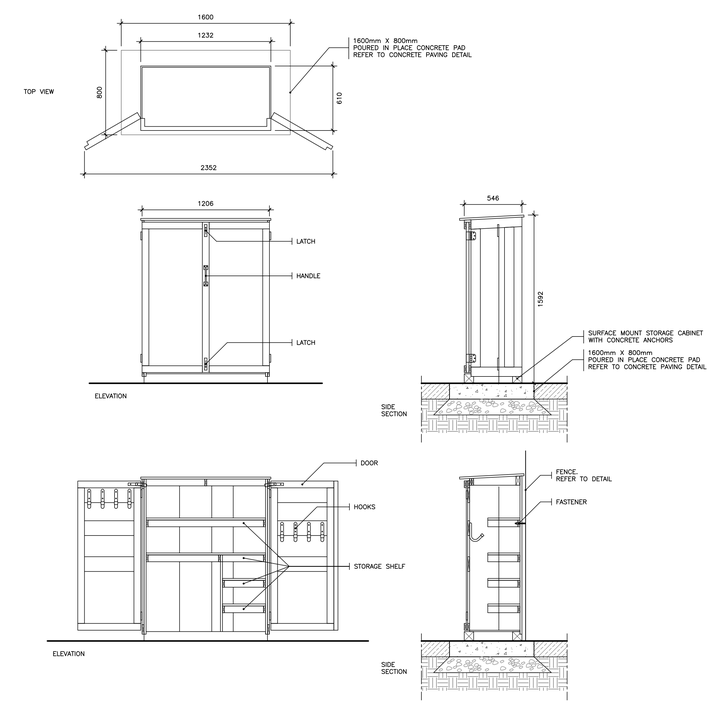
ROUND CEDAR DECK NTS 9



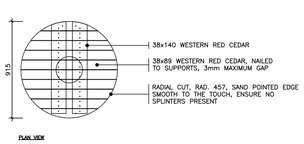
CEDAR DECK NTS 2

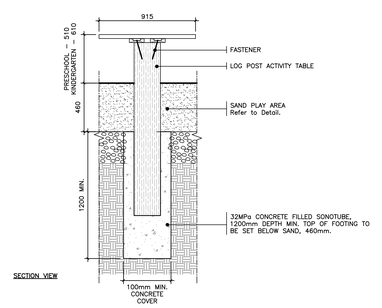


WOOD ACTIVITY SEAT NTS 5

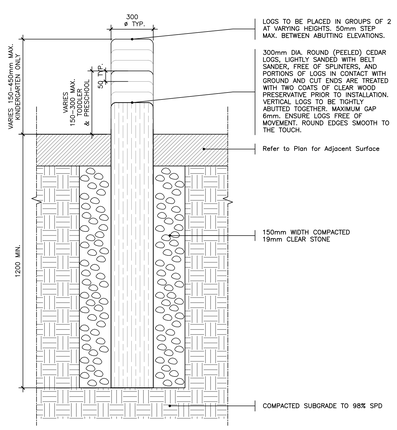


OUTDOOR STORAGE CABINET NTS 10

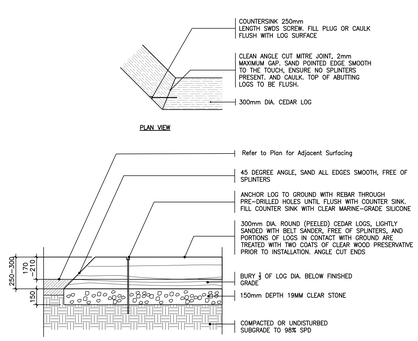




ACTIVITY TABLE IN SAND NTS 6



VERTICAL LOG BORDER NTS 3



LOG SEATING NTS 7

NO	ISSUED	DATE
5	ISSUED FOR TENDER	2026.06.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

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.

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
KELLY V. HUNTER
MEMBER

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL STREET
MILTON, ON

SP XXXX

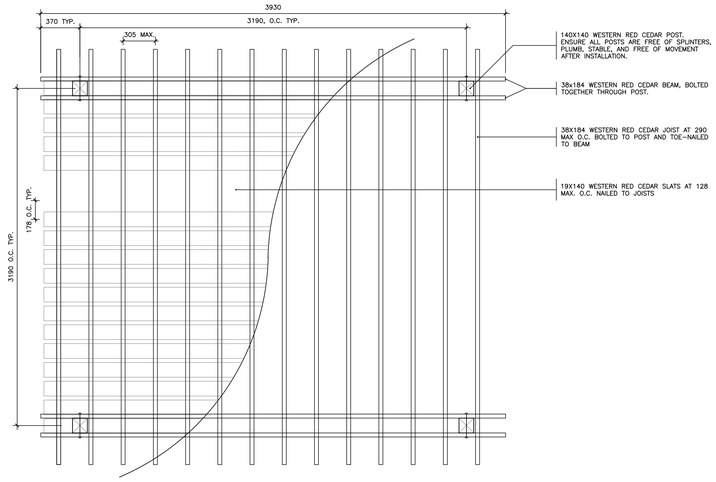
LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

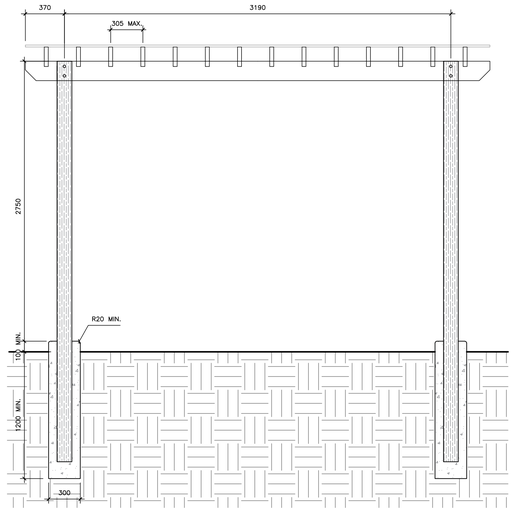
EARLY LEARNING DETAILS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

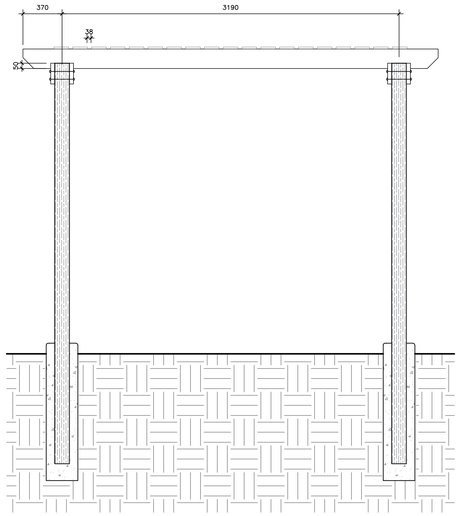
SCALE AS NOTED	PROJECT 251598
DATE 2025.11.21	
DRAWN JB	DRAWING L3.4
CHECKED KH/BF	



PLAN VIEW



LONG SECTION VIEW

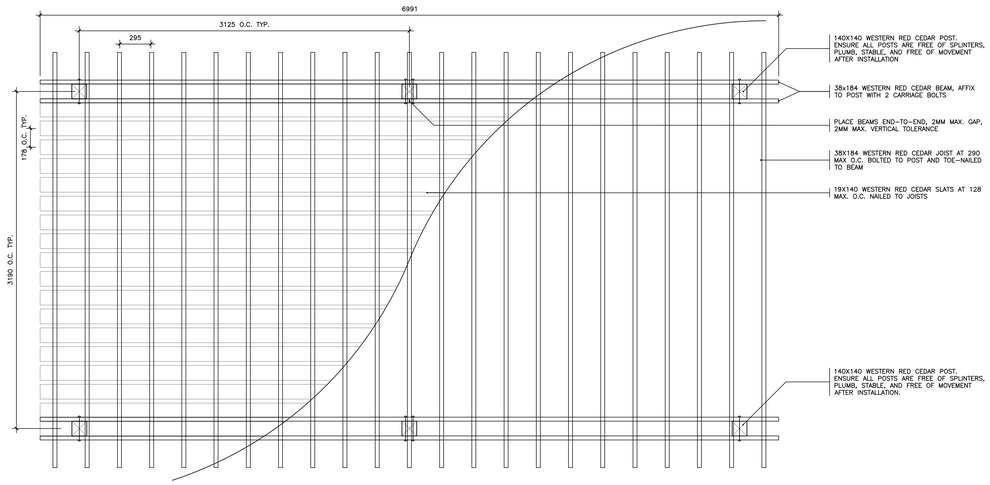


CROSS SECTION VIEW

NOTE:
1. ALL HARDWARE TO BE STAINLESS STEEL.
2. DETAIL DRAWINGS FOR LANDSCAPE STRUCTURES ARE SCHEMATIC IN NATURE TO INDICATE DESIGN INTENT. CONTRACTOR TO PROVIDE SHOP DRAWINGS BEARING THE SEAL OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO TO INDICATE PROPER CONSTRUCTION IN COMPLIANCE WITH ALL LOCAL CODES INCLUDING, BUT NOT LIMITED TO WIND RATINGS, SNOW LOAD BEARING, FROST PROTECTED FOOTINGS, SPACING OF POSTS IN ACCORDANCE WITH ONTARIO BUILDING CODE.

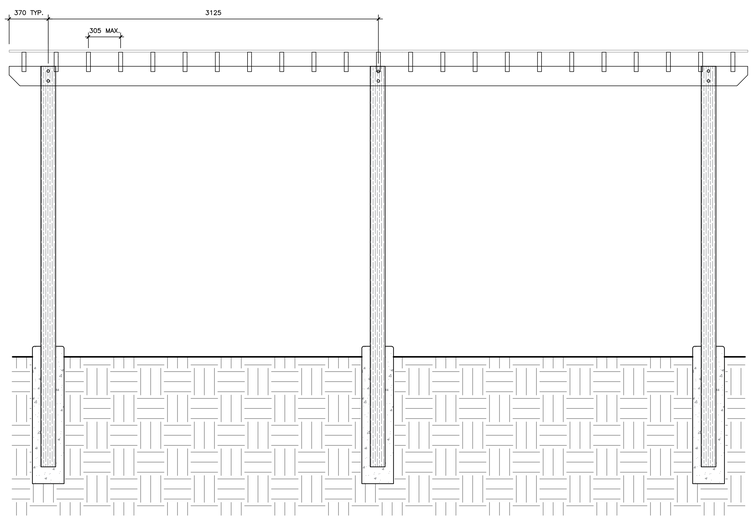
10'x10' CEDAR SHADE PERGOLA

NTS (1)

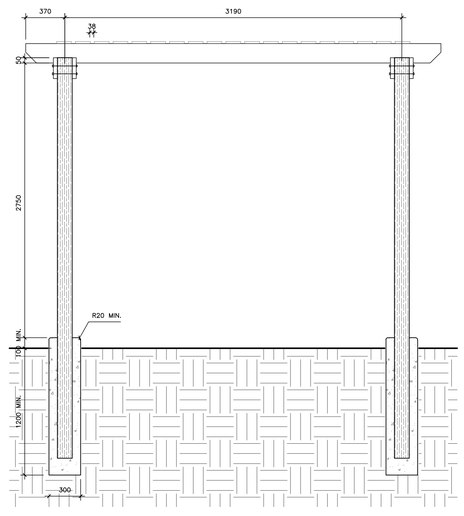


PLAN VIEW

NOTE:
1. ALL HARDWARE TO BE STAINLESS STEEL.
2. DETAIL DRAWINGS FOR LANDSCAPE STRUCTURES ARE SCHEMATIC IN NATURE TO INDICATE DESIGN INTENT. CONTRACTOR TO PROVIDE SHOP DRAWINGS BEARING THE SEAL OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO TO INDICATE PROPER CONSTRUCTION IN COMPLIANCE WITH ALL LOCAL CODES INCLUDING, BUT NOT LIMITED TO WIND RATINGS, SNOW LOAD BEARING, FROST PROTECTED FOOTINGS, SPACING OF POSTS IN ACCORDANCE WITH ONTARIO BUILDING CODE.



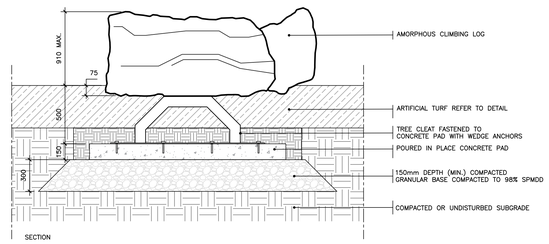
LONG SECTION VIEW



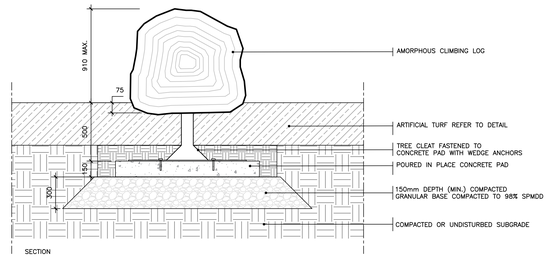
CROSS SECTION VIEW

10'x20' SHADE PERGOLA

NTS (2)



SECTION



SECTION

CLIMBING LOG

NTS (3)

NO.	ISSUED	DATE
5	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR PERMIT	2026.03.27
3	ISSUED FOR 85% COSTING SUBMISSION	2026.03.04
2	ISSUED FOR SITE PLAN APPLICATION	2026.01.28
1	ISSUED FOR CLIENT REVIEW	2025.12.20

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST VERIFY ALL DIMENSIONS, DATUMS AND LEVELS ON THE SITE. ALL ERRORS 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.

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
KELLY KINTER
MEMBER

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SP XXXX

540 COMMERCIAL STREET
MILTON, ON

LEGAL DESCRIPTION

HALTON CATHOLIC DISTRICT SCHOOL BOARD

EARLY LEARNING DETAILS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M4N 1B9
www.frpinc.ca

SCALE: AS NOTED	PROJECT: 251598
DATE: 2025.11.21	
DRAWN: JB	DRAWING: L3.5
CHECKED: KH/BF	

5 / A01 GROUND FLOOR - FIRE SEPARATION PLAN
SCALE: 1 : 150

1	PROJECT DESCRIPTION:	2 STOREY PUBLIC SCHOOL CHANGE OF USE	☐ NEW ■ ADDITION ☐ ALTERATION	■ PART 3 ■ PART 11	
1a	PROJECT NAME & ADDRESS:	OUR LADY OF VICTORY, 540 Commercial St, Milton, ON L9T 3R2			
2	MAJOR OCCUPANCY(S):	GROUP A DIVISION 2			
3	BUILDING AREA (SQ.M.):	EXIST. 2,933	NEW 2,074	TOTAL 5,007	
4	GROSS AREA (SQ.M.):	EXIST. 2,933	NEW 2,074	TOTAL 5,007	
5	NO. OF STOREYS ABOVE GRADE:	2	BELOW GRADE: 0		
6	NUMBER OF STREETS/ACCESS ROUTES:	2			
7	BUILDING CLASSIFICATION:	3.2.2.14 1984 ORIGINAL (1983 O.B.C. EXISTING BUILDING) 3.2.2.26 1999 ADDITION (1997 O.B.C. EXISTING BUILDING) 3.2.2.24 Group A, Division 2, up to 6 storeys, Any Area, Sprinklered			
8	SPRINKLER SYSTEM PROPOSED:	■ ENTIRE BUILDING ☐ BASEMENT ONLY ☐ IN LIEU OF ROOF RATING ☐ NOT REQUIRED			
9	STANDPIPE REQUIRED:	☐ YES	■ NO		
10	FIRE ALARM REQUIRED:	■ YES	☐ NO		
11	WATER SERVICE/SUPPLY IS ADEQUATE:	■ YES	☐ NO		
12	HIGH BUILDING:	☐ YES	■ NO		
13	PERMITTED CONSTRUCTION: ACTUAL CONSTRUCTION:	☐ COMBUSTIBLE ☐ COMBUSTIBLE	☐ NON COMBUSTIBLE ☐ NON COMBUSTIBLE	■ BOTH ■ BOTH	
14	MEZZANINE(S) AREA (SQ.M.):	N/A			
15	OCCUPANT LOAD BASED ON	☐ sq.m./PERSON	■ DESIGN OF BUILDING		SEE ATTACHED CHARTS FOR DETAILED CALCS.
	BASEMENT	OCCUPANCY N/A	LOAD N/A PERSONS		
	1ST FLOOR	OCCUPANCY A2	LOAD A2 PERSONS		
	2ND FLOOR	OCCUPANCY N/A	LOAD N/A PERSONS		
16	BARRIER-FREE DESIGN:	■ YES	☐ NO		
17	HAZARDOUS SUBSTANCES:	■ YES	☐ NO		
18	REQUIRED FIRE RESISTANCE RATING (FRR)	HORIZONTAL ASSEMBLIES FRR (HOURS)		LISTED DESIGN NO. OR DESCRIPTION (SG-2)	
		FLOOR(S) 1	HOURS	N/A	
		ROOF 0	HOURS	OBC 3.2.2.17 SPRINKLERS IN LIEU OF ROOF RATING	
		MEZZANINE N/A	HOURS	N/A	
		FRR OF SUPPORTING MEMBERS		LISTED DESIGN NO. OR DESCRIPTION (SG-2)	
		FLOOR(S) 1	HOURS	UL DESIGN NO. J957, spray fireproofing to all exposed steel members supporting 2nd floor. All loadbearing walls are 140,190, 240 or 290 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	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
	SOUTH	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
	EAST	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
	WEST	ENTER TEXT	TEXT	TEXT	ENTER TEXT	ENTER TEXT

Occupant Load for Our Lady of Victory Catholic Elementary School — OBC 3.1.17.2

	Room Type	Number of Rooms	Student Occ. Load per room	Staff Occ. Load per room	Student Occ load	Staff Occ load	Total Occ. Load	Notes
EXISTING	Ex. Kindergarten	2	**26**	1	52	2	54	
	Ex. Classroom	15	**30**	1	450	15	465	
	Ex. Computer Room	1	**30**	1	30	1	31	
	Ex. Science Classroom	1	**30**	1	30	1	31	
	Ex. Art Classroom	1	**30**	1	30	1	31	
	Ex. Gymasium	1	**0**	1	0	1	0	
	Ex. Resource Rooms (>400 ft² / 37.2m2)	1	**12**	1	12	1	13	
	Ex. Custodian Room	3	**0**	2	0	1	6	
	Administration Areas:							
	Ex. Principal	1	0	1	0	1	1	
	Ex. Vice Principal	1	0	1	0	1	1	
	Ex. Receptionists	2	0	2	0	4	4	
	Subtotal Existing Ground Floor				604	29	637	
PROPOSED	Standard Classrooms	10	**30**	1	300	10	310	
	Science Room	1	**30**	1	30	1	31	
	Custodian/ Mechanical Room	1	**0**	2	0	2	2	
	Prop. Resource Rooms (>400 ft² / 37.2m2)	2	**12**	1	24	2	26	
	Prop. Learning Commons	1	**0**	1	0	1	1	
	Subtotal Additional Ground Floor				354	16	370	
	Subtotal School				958	45	1007	
	Ex. Portables	7	26	1	182	12	**194**	
	TOTAL OCCUPANT LOAD school (for the purpose of exiting rqmnts)				**1140**	**57**	**1201**	
	TOTAL STUDENT OCCUPANT LOAD (for the purpose of WR rqmnts) - including portables. (note kindergartens are not included as 1 washroom is provided for each classroom of 26 students)				**1140**			
CHILD CARE	Infant	1	10	2	10	2	12	
	Toddler	2	15	2	30	4	34	
	Preschool	2	24	2	48	4	52	
	FDK	1	26	1	26	1	27	
	Administration Areas:	1	0	1	0	1	1	
	Subtotal Child Care				114	12	**126**	

student load divided by

1140	2	=	570	boys & 570	girls.
570	divided by 30 boys	=	19.0	**19.0**	boys washrooms required (students)
570	divided by 26 girls	=	21.9	**22.0**	girls washrooms required (students)
57	staff load divided by 2	=	29	Men & 29	Women.
29	divided by 30 men	=	1.0	**1.0**	Male washroom required (staff)
29	divided by 26 women	=	1.1	**2.0**	Female washroom required (staff)

LAVATORY COUNT

OBC 3.7.4.2.(5)

WASHROOM TYPE	NO. OF WATER CLOSETS PROVIDED	NO. OF LAVATORIES
BOY'S WASHROOM	16	(4) BRADLEY - 3-SPRAY
GIRL'S WASHROOM	16	(4) BRADLEY - 3-SPRAY
KINDERGARTEN	3	3 LAVS. - 1 BRADLEY
CHILD CARE	11	9 LAVS. - 2 BRADLEYS
UNISEX (STAFF)	2	2
UNIVERSAL WASHROOM	2	2
CHILD CARE BARRIER FREE WR (UNISEX STAFF)	1	1

WATER CLOSET COUNT

OBC 3.7.4.3.(14)

WASHROOM TYPE	NO. OF WATER CLOSETS & URINALS
BOY'S WASHROOMS	16
TOTAL WATER CLOSETS = 11	
TOTAL URINALS = 5	
GIRL'S WASHROOMS	16
KINDERGARTEN WASHROOM	3
CHILD CARE WASHROOMS	11
UNISEX WASHROOMS (STAFF)	2
UNIVERSAL WASHROOM	2
CHILD CARE BARRIER FREE WR (UNISEX STAFF)	1

SYMBOLS AND REFERENCE BUBBLE LEGEND

- D/XXX — DETAIL REFERENCE - SEE DETAIL BOOK
- X / AXX — DETAIL No. / DRAWING WHERE DETAIL IS SHOWN
- X / AXX — ELEVATION No. / DRAWING WHERE ELEVATIONS IS SHOWN
- X / AXX — BUILDING SECTION No. / DRAWING WHERE SECTION IS SHOWN
- X / AXX — WALL SECTION No. / DRAWING WHERE WALL SECTION IS SHOWN
- XXXX — ELEVATION DATUM
- Sxx — SCREEN TYPE - SEE SECTION D800 IN DETAIL BOOK
- Wxx — WINDOW TYPE - SEE SECTION 801 IN DETAIL BOOK
- XXX — WALL TYPE
- XXXX — ROOM No. - SEE SPECS FOR ROOM FINISH SCHEDULE
- XXX / X — DOOR No. - SEE SPECS FOR DOOR AND HARDWARE SCHEDULE

FIRE SEPARATION NOTES

1. STRUCTURAL STEEL SUPPORTING 2ND AND 3RD FLOORS (COLUMNS AND BEAMS) TO BE FIRE-RATED TO MEET A 1-HOUR FIRE-RESISTANCE RATING.

2. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE FIRE SEPARATION PLANS, GENERAL DRAWING NOTES AND APPLICABLE SPECIFICATION SECTIONS (IE. FIRE-PROOFING, GYPSUM BOARD ETC.) AND AD 725 "TOP OF WALL AT FIRE SEPARATION".

3. EXTEND ALL INTERIOR PARTITIONS TO UNDERSIDE OF FLOOR OR ROOF DECK UNLESS OTHERWISE NOTED OR INDICATED. REFER TO OBC DATA MATRIX, FIRE SEPARATION PLANS AND BUILDING SECTIONS FOR LOCATION OF FIRE RATED PARTITIONS, FLOORS AND FIRE SEPARATIONS.

4. COMPLY FULLY WITH REQUIREMENTS LISTED UNDER THE SPECIFIC DESIGN No. IN THE U.L.C. LIST OF EQUIPMENT AND MATERIALS, CURRENT VOLUME.

5. INDICATED FIRE RESISTANCE RATING IS STRICTLY OBTAINED FROM THE CONCRETE SLAB MIN. CONC. SLAB THICKNESS (REFER TO OBC SUPPLEMENTARY GUIDLINES-SG-2: FIRE PERFORMANCE RATINGS TABLE 2.2.1.A)

6. FOR CONCRETE SLABS REQUIRED TO HAVE FRR, MAINTAIN MIN CONC COVER OVER REINFORCEMENT ACCORDING TO OBC :SUPPLEMENTARY GUIDELINES SG-2 -FIRE-PERFORMANCE RATINGS, TABLE 2.2.1.B.

7. REFER TO SPECIFICATIONS FOR LOCATIONS OF WATER/MOULD RESISTANT GYPSUM BOARD AND FOR ABUSE RESISTANT GYPSUM BOARD

8. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF SPRINKLERED WINDOW GLAZING REQUIRED.

9. ALL GLAZING (SCREENS, INTERIOR CURTAIN WALL AND HOLLOW METAL SCREENS LOCATED AT FIRE SEPARATIONS REQUIRING A FIRE-RATING GREATER THAN 0 TO BE CONSTRUCTED WITH FIRE RATED GLAZING IF NOT IDENTIFIED AS PROTECTED WITH SPRINKLERED GLAZING. REFER TO THIS SHEET AND MECHANICAL SPRINKLER DRAWINGS. REFER TO SPECIFICATIONS FOR FIRE-RATED GLAZING TYPE.

10. 1 HOUR RATED FIRE SEPARATIONS REQUIRE GLAZING TO BE 45min RATED.

11. 30 MIN. RATED FIRE SEPARATIONS REQUIRE GLAZING TO BE 20min RATED.

10. REFER TO DIVISION 15 FOR FIRE RATED CABINET LOCATIONS. LOCATIONS TO BE READ IN COORDINATION WITH FIRE SEPARATIONS SHOWN ON THIS DRAWING

11. FLOOR ASSEMBLIES SHALL BE FIRE-SEPARATIONS W/A FIRE RESISTANCE RATING OF 1 HR.

12. GYPSUM BOARD WALLS REQUIRED TO HAVE 1 HOUR FIRE SEPARATION SHALL BE CONSTRUCTED TO ULC W407. WHERE IT IS NOT POSSIBLE TO CONSTRUCT RATED PARTITION TO ULC W407 (DUE TO STEEL INTERFERENCE), RATED PARTITIONS TO BE CONSTRUCTED TO ULC W453.

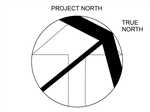
13. WHERE STEEL SUPPORTS A FLOOR ASSEMBLY OR FORMS PART OF A RATED FIRE SEPARATION IT SHALL BE:

CEMENTITIOUS SPRAY FIRE-PROOFING – CONCEALED SPACES

13A. STEEL FLOOR STRUCTURE SUPPORT: BEAMS OR JOISTS SUPPORTING A **PRECAST FLOOR** (IN CONCEALED SPACES): BXUV7 UL J957.

13B. METAL DECK ROOF & SUPPORTING STEEL BEAMS (AT ELEVATOR SHAFT): cUL P741

13C. COVERED WITH CONCRETE BLOCK PROTECTION TO MEET OBC SB-2 2.6.1.



FIRE SEPARATION LEGEND

- NON RATED FIRE SEPARATION
- 30 MIN FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- PATH OF TRAVEL

1. EXTEND ALL INTERIOR PARTITIONS TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED OR INDICATED. REFER TO OBC DATA MATRIX, FIRE SEPARATION PLANS AND BUILDING SECTIONS FOR LOCATION OF FIRE RATED PARTITIONS, FLOORS AND FIRE SEPARATIONS.

2. COMPLY FULLY WITH REQUIREMENTS LISTED UNDER THE SPECIFIC DESIGN No. IN THE U.L.C. LIST OF EQUIPEMENT AND MATERIALS, CURRENT VOLUME.

3. INDICATED FIRE RESISTANCE RATING IS STRICTLY OBTAINED FROM THE CONCRETE SLAB MIN. CONC. SLAB THICKNESS (REFER TO OBC SUPPLEMENTARY GUIDLINES-SG-2: FIRE PERFORMANCE RATINGS TABLE 2.2.1.A)

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 DEPTH	REQ. EQ.T. (mm) TYPE 'N' CONC		FIRE REQ'D RATING
136	250min	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 OPTIONS	REQ. EQ.T. (mm)		FIRE REQ'D RATING
		NPC	NPC	
106	190mm HOLLOW NORM WEIGHT	68	72	1 HR
81	140mm HOLLOW NORM WEIGHT			
66	90mm HOLLOW NORM WEIGHT			
74	90mm 75% SOLID NORM WEIGHT			

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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 — MAY 12/26 — PRISCILLA LADOUCEUR — LICENCE 6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD — CDSB

FIRE SEPARATION & OBC MATRIX

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC/JK	DRAWING: A01
CHECKED: PL	
PRINT DATE	2026-05-11 10:09:40 AM
REVIT FILE	T:\2025\25106\02\Revit.RVT

GENERAL DEMOLITION NOTES
to be followed for Demolition Floor Plans and Reflected Ceiling Plans

1. REMOVE ANY LEFTOVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS DUE, 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.
2. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
3. 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.
4. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
5. 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.
6. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS TO 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.
7. 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 MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
8. REFER TO STRUCTURAL DRAWINGS FOR TYPICAL FLOOR INFILL DETAILS
9. 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
10. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
11. ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.

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 FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING SLAB AND BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOOM FINISH SCHEDULE.
- NEW FLOORING AND BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL.

DEMOLITION NOTES

GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.

ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DRAWINGS AND SPEC.

OWNER WILL MOVE AND RELOCATE ALL EXISTING FURNITURE AND TEACHING TOOLS WITHIN SCOPE OF WORK PRIOR TO CONSTRUCTION.

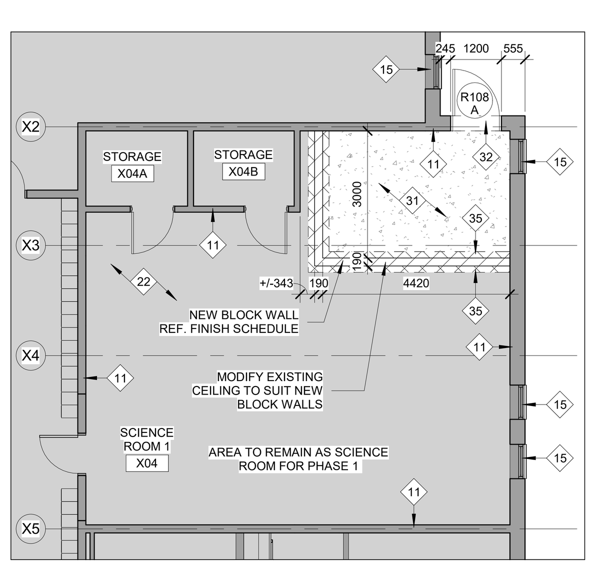
GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.

CONTRACTOR TO REPAIR AND MAKE GOOD ALL EXISTING BLOCK WALLS AND PAINT WITHIN CONSTRUCTION AREA (INCLUDING CORRIDORS AFFECTED BY RENOVATION) SEE SPEC.

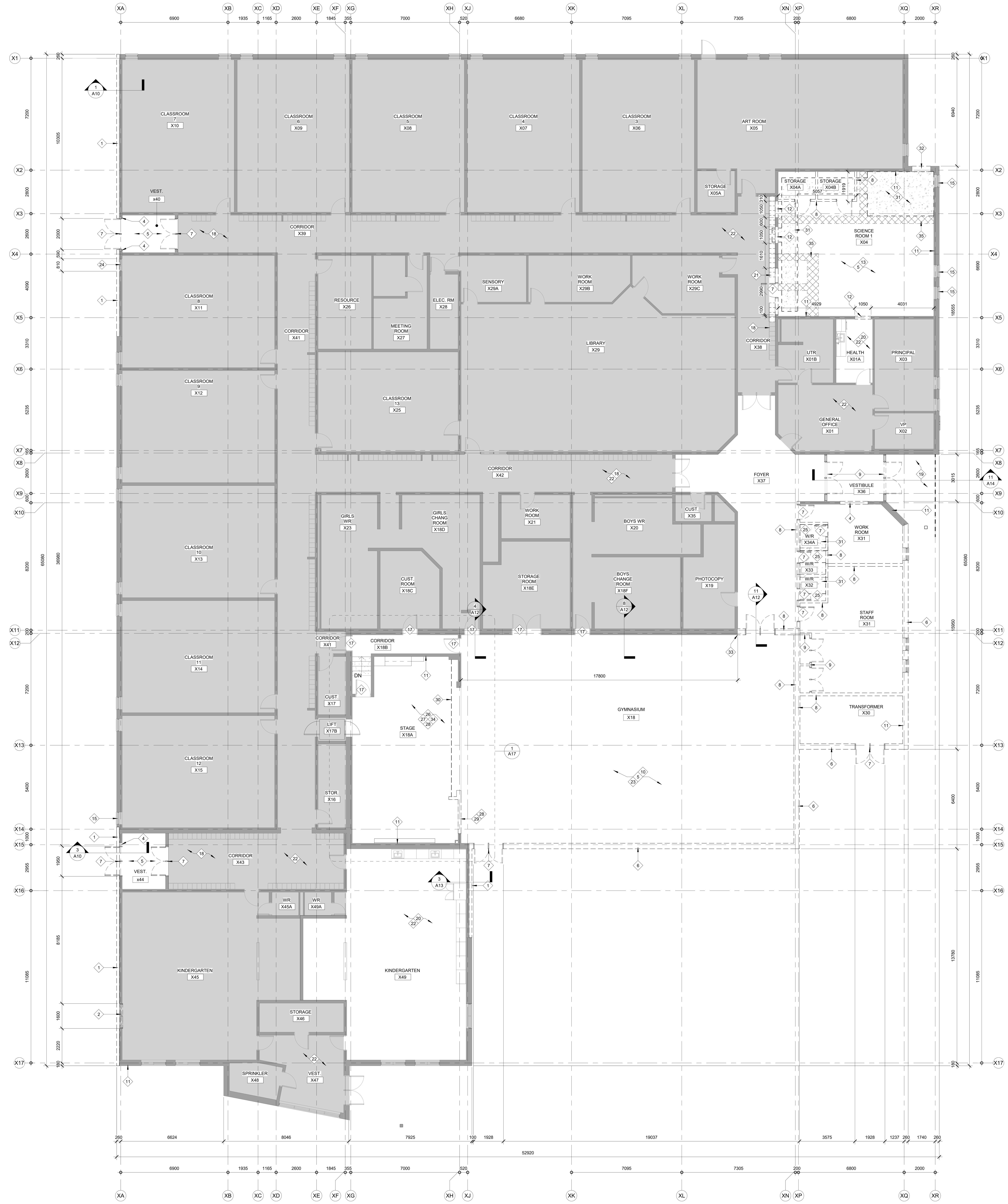
ALL NOTED DIMENSIONS TO EXISTING WALL ASSEMBLIES ARE +/- AND MAY VARY. CONTRACTOR TO FIELD VERIFY AS REQUIRED.

ALL AREAS OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION PER SPECIFICATIONS.

1. CAREFULLY REMOVE EXTERIOR BRICK (CUT BACK BRICK TIES AS REQUIRED), INSULATION, VAPOUR BARRIER AND PARAPET. EXISTING 190mm CONC. BLOCK TO REMAIN. REFER TO PROPOSED PLANS AND SECTIONS. REFER TO STRUCTURAL DWGS FOR TIE IN.
2. REMOVE WINDOW ASSEMBLY ENTIRELY. PATCH AND MAKE GOOD WALL TO REMAIN AS REQUIRED FOR NEW WALL INFILL. REFER TO PROPOSED DWGS.
3. DEMOLISH EXISTING INTERIOR BLOCK WALL IN ITS ENTIRELY (INCLUDING SCREEN & DOOR ASSEMBLY, FRAMES, GLAZING AND FINISHES WHERE APPLICABLE). FROM FINISH FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD WALLS TO REMAIN AS REQUIRED. REFER TO FINISH SCHEDULE AS REQUIRED.
4. SAWCUT EXISTING BLOCK WALL TO EXTENT SHOWN FOR NEW WINDOW AND STEEL LINTEL INSTALLATION. REMOVE PARTIAL CUT BLOCK AND ALTERNATE COURSES (ON ONE OR BOTH SIDES, WHERE APPLICABLE) OF OPENING FOR INSTALLATION OF DOUBLE BULLNOSE BLOCK JAMB. REFER TO STRUCTURAL NOTES, DETAILS, SCHEDULES AND INTERIOR ELEVATIONS.
5. REMOVE EXISTING FLOORING (INCLUDING CARPET, VINYL RESILIENT SHEET FLOORING AND PORCELAIN / CERAMIC TILE), BASE AND ANY UNDER PAD / NAILING STRIPS TO EXTENT SHOWN. 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 AND PROPOSED DWGS FOR FLOOR TIE-IN.
6. REMOVE EXISTING EXTERIOR WALL IN ITS ENTIRETY (INCLUDING ALL MECHANICAL AND ELECTRICAL DEVICES) FROM FINISH FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN WHERE APPLICABLE FOR ADDITION. REFER TO MECHANICAL AND ELECTRICAL FOR ASSOCIATED REMOVAL. REFER TO STRUCTURAL DWGS AS REQUIRED.
7. CONTRACTOR TO DEMOLISH AND REMOVE EXISTING DOOR AND FRAME (HOLLOW METAL, ALUMINUM OR WOOD). PATCH AND MAKE GOOD WALLS TO REMAIN AS REQUIRED. REFER TO PROPOSED DRAWINGS AND NOTES.
8. CONTRACTOR TO REMOVE EXISTING BLOCK WALL AND BASE IN ITS ENTIRETY (INCLUDING SCREEN & DOOR ASSEMBLY, FRAMES, GLAZING AND FINISHES WHERE APPLICABLE). FROM FINISHES FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN WHERE APPLICABLE. REFER TO STRUC.. DWGS FOR ASSOCIATED REMOVAL AS REQUIRED.
9. CONTRACTOR TO DEMOLISH AND REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY (INCLUDING SCREEN & DOOR ASSEMBLY, FRAMES, GLAZING AND FINISHES WHERE APPLICABLE). PATCH AND MAKE GOOD WALLS TO REMAIN AS REQUIRED.
10. REMOVE EXISTING WALL MOUNTED FIXTURES AND FITMENTS LISTED BUT NOT LIMITED TO: CRASH PADS, PROJECTION SCREEN, ACOUSTIC WALL PANELS, BENCHES THROUGHOUT ROOM WHERE APPLICABLE. KEEP ITEMS TO BE RETURNED BACK TO THE BOARD.
11. CONTRACTOR TO PROTECT EXISTING WALLS TO REMAIN, IN AREA OF WORK. PATCH AND REPAIR IF DAMAGED DURING CONSTRUCTION.
12. CONTRACTOR TO CAREFULLY REMOVE EXISTING CONCRETE BLOCK FOR NEW OPENING IN EXISTING BLOCK WALL FOR NEW DOOR ASSEMBLY. REMOVE ALTERNATE COURSES OF BLOCK AT OPENING FOR TOOTHING BACK IN BULLNOSE BLOCK. LOCATION OF OPENINGS PER DIMENSIONS IN PROPOSAL DWGS. REFER TO STRUC. DWGS. FOR REQUIRED LINTEL. REFER TO SCHEDULE FOR SIZE OF OPENING. REFER TO SCHEDULE FOR SIZE OF OPENING. REFER TO AD DWGS. FOR JAMB DETAIL.
13. CAREFULLY REMOVE EXISTING WALL MOUNTED FIXTURES AND FITMENTS LISTED BUT LIMITED TO: TACKBOARDS, WHITEBOARDS, BRACKETS/FASTENERS, ROOM SIGNAGE, SHELVES, WALL MOUNTED ORGANIZERS THROUGHOUT ROOM AND HANDOVER TO OWNER. PATCH AND MAKE GOOD WALL AS REQUIRED. GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL, TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE.
14. REMOVE WINDOW ASSEMBLY AND ITS ENTIRETY.
15. CONTRACTOR TO PROTECT EXISTING WINDOWS TO REMAIN IN AREA OF CONSTRUCTION.
16. SAWCUT EXISTING BRICK ON BLOCK WALL TO EXTENT SHOWN FOR NEW OPENING. PATCH AND MAKE GOOD WALL AS REQUIRED. REFER TO PROPOSED DRAWINGS FOR SIZE OF OPENING. REFER TO STRUC. DRAWINGS FOR LINTEL SIZE.
17. REMOVE PAINT FROM EXISTING DOOR AND FRAME. SAND AND PREP DOOR FOR NEW FINISH.
18. CONTRACTOR TO PROTECT EXISTING LOCKERS TO REMAIN IN AREA OF WORK. REPLACE IF DAMAGED DURING CONSTRUCTION.
19. REFER TO A08 FOR DEMO. & PROP. DRAWINGS OF CANOPY.
20. CONTRACTOR TO PROTECT EXISTING MILLWORK TO REMAIN IN AREA OF CONSTRUCTION. PATCH AND REPAIR AS REQUIRED IF DAMAGED DURING CONSTRUCTION.
21. CONTRACTOR TO CAREFULLY REMOVE EXISTING LOCKERS INCLUDING CONCRETE BASE, TILE FLOOR BASE. HAND OVER LOCKERS TO OWNER. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW TILE FLOOR INFILL, TO MATCH EXISTING. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN FOR NEW FINISHES.
22. CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN IN AREA OF WORK. PATCH AND REPAIR AS REQUIRED IF DAMAGED DURING CONSTRUCTION.
23. REMOVE AND DISCARD ALL EXISTING FLOOR SOCKETS IN EXISTING GYMNASIUM CONCRETE FLOOR SLAB. INFILL AND MAKE GOOD ALL HOLES TO SUIT NEW FLOOR FINISH
24. CAREFULLY REMOVE EXISTING WINDOW, PREPARE EXISTING OPENING FOR REINSTALLATION OF EXISTING WINDOW
PATCH AND MAKE GOOD ALL DISTURBED AREAS
DISCARD EXISTING METAL FLASHING AND PLAM SILL
25. REMOVE EXISTING TOILETS & SINKS IN THEIR ENTIRETY, REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVALS. PATCH AND MAKE GOOD FLOOR WHERE APPLICABLE AS REQUIRED FOR NEW FINISHES. REFER TO PROPOSED PLANS AND ROOM FINISH SCHEDULE.
26. REMOVE EXISTING STAGE FLOORING.
27. CUT BACK EXISTING STAGE DECKING AND CONC. TOPPING WHERE REQUIRED FOR NEW BLOCK WALLS OF NEW STAGE OPENING. REFER TO PROPOSED PLANS AND SECTIONS AS REQUIRED.
28. REFER TO A17 FOR UNDER STAGE DEMOLITION & PROPOSED PLANS. REFER TO STRUCTURAL DRAWINGS AS REQUIRED.
29. CAREFULLY SAWCUT EXISTING INTERIOR BLOCK WALL TO EXTENT SHOWN, FROM UNDERSIDE OF STAGE FLOOR DECKING TO TOP OF WALL, REFER TO A17 FOR EXTENT.
30. REMOVE FOLDABLE PARTITION WALL, HARDWARE MEMBERS, UNISTRUCT, ETC. FOR NEW FOLDABLE PARTITION AS REQUIRED NEW STAGE OPENING. PATCH AND MAKE GOOD WALLS TO REMAIN. REFER TO MECH. ELEC. AND STRUCT. DWGS. AS REQUIRED FOR REMOVAL.
31. SAWCUT AND REMOVE EXISTING CONCRETE FLOOR AND REINFORCED CONCRETE SLAB INCLUDING SUB-BASE AS REQUIRED FOR NEW PLUMBING LINES & CONNECTIONS. COORDINATE EXACT SLAB REMOVAL LOCATIONS WITH NEW PLUMBING LINE/CONNECTIONS WITH MECH. SERVICES AND DWGS. PREPARE SURFACE FOR NEW FINISHES. REFER TO SCHEDULE.
32. SAWCUT EXISTING EXTERIOR BRICK ON BLOCK WALL FOR NEW DOOR OPENING. LOCATION OF SAWCUT PER DIMENSIONS IN PROPOSAL DWGS. SALVAGE EXISTING BLOCK AND BRICK VENEER TO ENSURE ENOUGH HAS BEEN SAVED FOR INFILL AT NEW LINTEL AND JAMBS. REFER TO AD DWGS FOR DOOR JAMB DETAIL. REFER TO STRUCT. DWGS. FOR LINTEL. REMOVE ALTERNATE COURSES OF BRICK AT FRAME TOOTHING IN OF BRICK INFILL. INFILL EXTERIOR WITH SALVAGED BRICK. CUT BLOCK TO SUIT OPENING, PATCH AND MAKE GOOD WALL TO MATCH EXISTING AS REQUIRED. GRIND AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.
33. SAWCUT EXISTING WALL, FROM FINISH FLOOR TO TOP OF WALL, TO EXTENT SHOWN. PATCH AND MAKE GOOD WALL TO REMAIN FOR NEW WALL JOINT. REFER TO PROPOSED PLANS AND SECTIONS AS REQUIRED.
34. CONTRACTOR TO PROTECT EXISTING MILLWORK, WALL MOUNTED FIXTURES AND FITMENTS TO REMAIN IN AREA OF CONSTRUCTION LISTED BUT NOT LIMITED TO: TACKBOARDS, WHITEBOARDS, BRACKETS/FASTENERS, ROOM SIGNAGE, SHELVES, WALL MOUNTED ORGANIZERS THROUGHOUT ROOM. CONTRACTOR TO ENSURE MILLWORK IS NOT DAMAGED DURING CONSTRUCTION.
35. SAWCUT EXISTING SLAB FOR NEW BLOCK WALLS. REFER TO STRUCT. DWGS. FOR SLAB THICKNESS UNDER NEW BLOCK WALL AS REQUIRED.



2 / A02 *PHASE 1 - SCIENCE ROOM - DEMO & PROP (SEPT. 2026 OCCUPANCY)*
SCALE: 1 : 100



1 / A02 *DEMOLITION GROUND FLOOR PLAN*
SCALE: 1 : 100

PROJECT NORTH
TRUE NORTH

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD - REFER TO SPECS
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BH	BREAK-AWAY HOOK
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHsr	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REF. TO SPEC
CR+S	COAT RACK AND SHELF
CS	CONVENIENCE SHELF
C/W	COMPLETE WITH
CWT	CERAMIC WALL TILE
DF	DRINKING FOUNTAIN
D/W	DISHWASHER
EM	ELECTROMAGNETIC HOLD OPEN DEVICE
EP	ELECTRICAL PANEL. REF. ELEC. DWGS.
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
FAAP	FIRE ALARM ANNUCIATOR PANEL
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
FSS	FOLDING SHOWER SEAT
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HL	HANDICAP LOCKER
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
ISP	INTERIOR SIGNAGE PANEL
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
MC	MIRROR IN CHILD CARE ROOMS
ML	LONG MIRROR
MLH	LONG MIRROR - HORIZONTAL
MCP	MODULAR CONTROL PANEL
MRS	MOTORIZED ROLLER SHADE
MS	MOP SINK
NIC	NOT IN CONTRACT
PAS	PUBLIC ANNOUNCEMENT SYSTEM
PREFIN	PREFINISHED
PCT	PRIVACY CURTAIN AND TRACK
PMP-1	PERFORATED METAL PANEL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
REINF	REINFORCING
RF	REFRIGERATOR
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE REFER TO SPECS
RWL	RAIN WATER LEADER
SC	HOLLOW METAL WINDOW SCREEN
SD	SOAP DISPENSER
SFS	STRUCTURAL FROST SLAB
SIM.	SIMILAR
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SP	SPANDREL PANEL
STB	SLIDING TACKBOARD
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE 6053
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION GROUND FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC/JK	DRAWING: A02
CHECKED: PL	
PRINT DATE	2026-05-11 10:10:41 AM
REVIT FILE	T:\2025\25106\02\Revit.RVT

GENERAL DEMOLITION NOTES
to be followed for Demolition Floor Plans and Reflected Ceiling Plans

1. REMOVE ANY LEFTOVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS DUE, 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.
2. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
3. 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.
4. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
5. FOLLOWING REMOVALS OF FLOORING, ENSURE PREPARATION FOR NEW SURFACES INCLUDES PREPARATION OF REQUIRED, ADDITIONAL SUBFLOOR LEVELING TO SUIT NEW FLOORING DEPTHS AND FLUSH TRANSITIONS. ALSO REFER TO SPECIFICATION AND FINISH SCHEDULE.
6. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS TO 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.
7. 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 MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
8. REFER TO STRUCTURAL DRAWINGS FOR TYPICAL FLOOR INFILL DETAILS
9. 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
10. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION. ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
11. ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.

DEMOLITION NOTES - REFLECTED CEILING PLANS

ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH. AND ELECT. DRAWINGS.

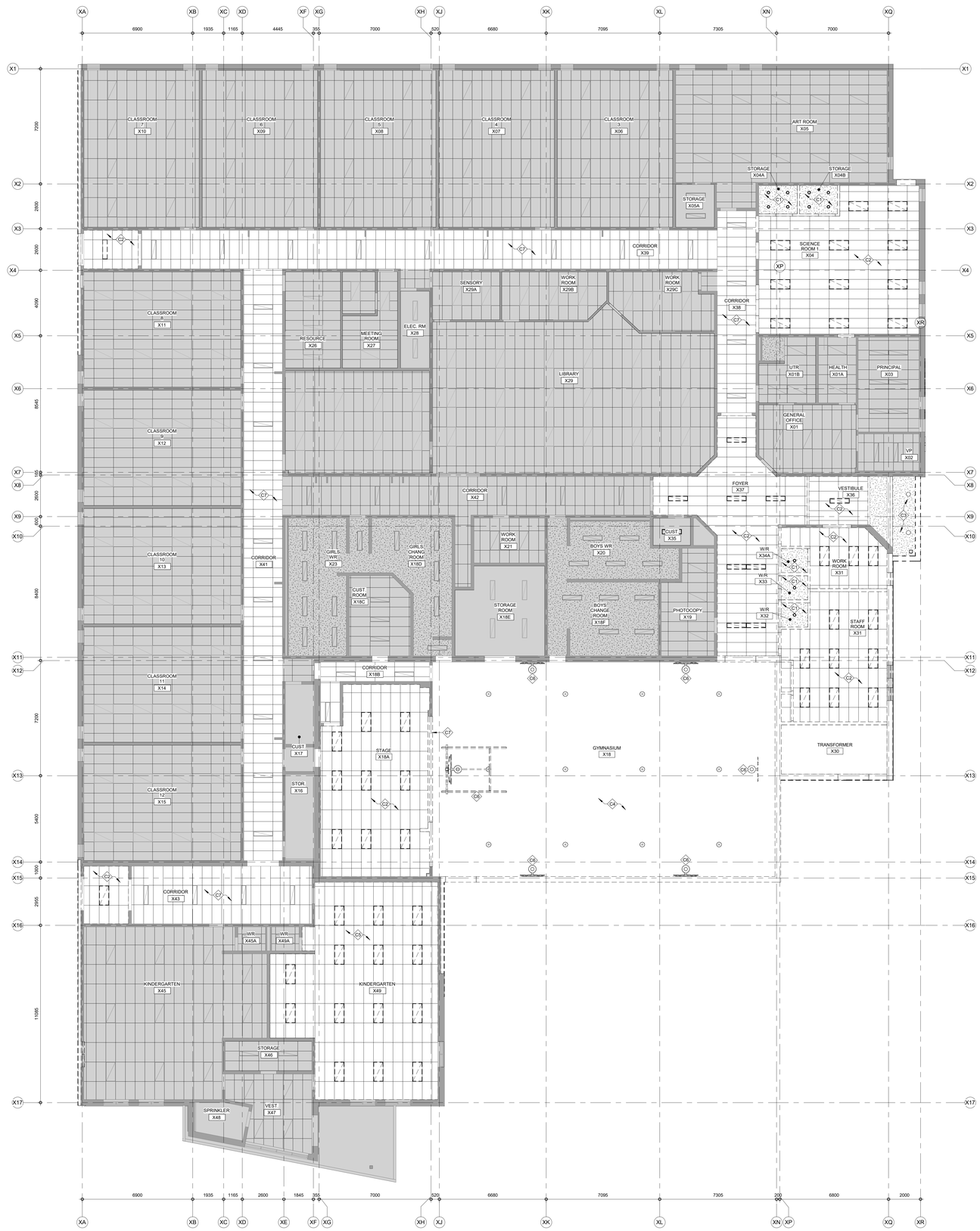
NOT ALL EXISTING LIGHT FIXTURES, GRILLES, DIFFUSERS, SPRINKLER HEADS ETC. ARE SHOWN ON THIS PAGE. REFER TO DEMOLITION MECH. AND ELECT. DRAWINGS.

PATCH AND MAKE GOOD ALL EXISTING WALLS TO REMAIN FROM CEILING DEMOLITION AND REMOVED WALL MTD. LIGHT FIXTURES AND DEVICES. REFER TO PROPOSED PLANS AND SCHEDULES FOR NEW CEILING MATERIALS AND FINISHES.

GENERAL CONTRACTOR IS RESPONSIBLE TO REVIEW ABATEMENT REPORT IN SPECIFICATION FOR EXTENT OF ALL DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS SURVEYS AND EXTENT OF ABATEMENT WORK.

NOTE : ALL EXISTING CEILING HEIGHTS ARE +/- AND MAY VARY. FIELD VERIFY AS REQUIRED.

- C-1 REMOVE EXISTING GYPSUM CEILING AND STUD FRAMING. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN AS REQUIRED FOR NEW CEILING. REMOVE EXISTING LIGHT FIXTURES, GRILLES, AND ELECTRICAL AND MECHANICAL DEVICES. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL, AS REQUIRED.
- C-2 EXISTING ACOUSTIC CEILING TILES, GRIDS, DIFFUSERS, LIGHTING, RETURNS, ETC. TO BE REMOVED IN ENTIRE ROOM. REFER TO MECH. & ELEC. DWGS. FOR ASSOCIATED REMOVAL. PATCH AND MAKE GOOD WALLS TO REMAIN AS REQUIRED FOR NEW CEILING.
- C-3 DEMOLISH EXISTING CANOPY, INCLUDING ALL STRUCTURAL SUPPORTS AND FOUNDATION IN THEIR ENTIRETY. REFER TO STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL, AS REQUIRED. REFER TO A08
- C-4 REMOVE EXISTING LIGHTS, FANS, DUCTS, ETC. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN. REFER TO MECH. & ELEC. DEMO. DWGS. FOR ASSOCIATED REMOVAL AS REQUIRED FOR GYM EXPANSION.
- C-5 CONTRACTOR TO REMOVE EXISTING CEILING TILES, GRIDS, LIGHTING, ETC. IN ENTIRE ROOM. PATCH AND MAKE GOOD WALLS TO REMAIN FOR REINSTALLATION OF NEW CEILING AND EXISTING LIGHTS. REFER TO MECH. AND ELEC. DWGS AS REQUIRED FOR ASSOCIATED REMOVAL.
- C-6 REMOVE EXISTING FIXED WALL MOUNTED BACKSTOPS, CEILING MOUNTED BASKETBALL NETS AND ALL STRUCTURAL MEMBERS THROUGHOUT ROOM WHERE APPLICABLE. HAND OVER ITEMS TO THE BOARD. PATCH AND MAKE GOOD WALLS TO REMAIN TO REINSTALL MOUNTED BACKSTOPS.
- C-7 DEMOLISH EXISTING BULKHEAD IN ITS ENTIRETY, INCLUDING VALANCE DRAPE AND HARDWARE. REFER TO STRUCT. DWGS. AS REQUIRED FOR ASSOCIATED REMOVAL.
- C-8 EXISTING CEILING TILES, GRID, LIGHTS AND DEVICES TO BE CAREFULLY REMOVED AND REINSTALLED TO EXTENT SHOWN, AS REQUIRED FOR ELECTRICAL AND MECHANICAL WORK. SAFELY STORE ON SITE EXISTING TILES FOR RE-INSTALLATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. GC TO REPLACE ANY DAMAGED TILES.



4 / A03 DEMOLITION GROUND FLOOR RCP
SCALE: 1 : 100

PROJECT NORTH
TRUE NORTH

RCP LEGEND

- LIGHT FIXTURE. REFER TO LIGHTING PLAN/LIGHTING SCEDULE FOR TYPE
- FLUSH MOUNTED LIGHT FIXTURE. REFER TO LIGHTING PLANS/LIGHTING SCHEDULES FOR TYPE
- ACOUSTIC CEILING PANELS REFER TO SPECIFICATIONS FOR DESCRIPTION OF TYPES
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- RP RADIANT PANEL
- GYPSUM BOARD CEILING OF BULKHEAD
- ### CEILING HEIGHT FROM FINISHED FLOOR
- LF LIGHT FIXTURE
- GB GYPSUM BOARD
- GBB GYPSUM BOARD BULKHEAD
- RADIATOR. FOR TYPE AND MOUNTING SEE MECH. DWGS. REF. TO AD 900

NOTES:

TYP. FOR ALL CLASSROOMS: INSTALLATION OF CEILINGS TO BE COORDINATED WITH INSTALLATION OF SLIDING TACKBOARDS. REFER TO AD 2001

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
8053

CERTIFICATE OF PRACTICE #4292

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DEMOLITION GROUND FLOOR RCP

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(905) 815-9294 admin@hossackarch.com

SCALE: As indicated	PROJECT: 25106
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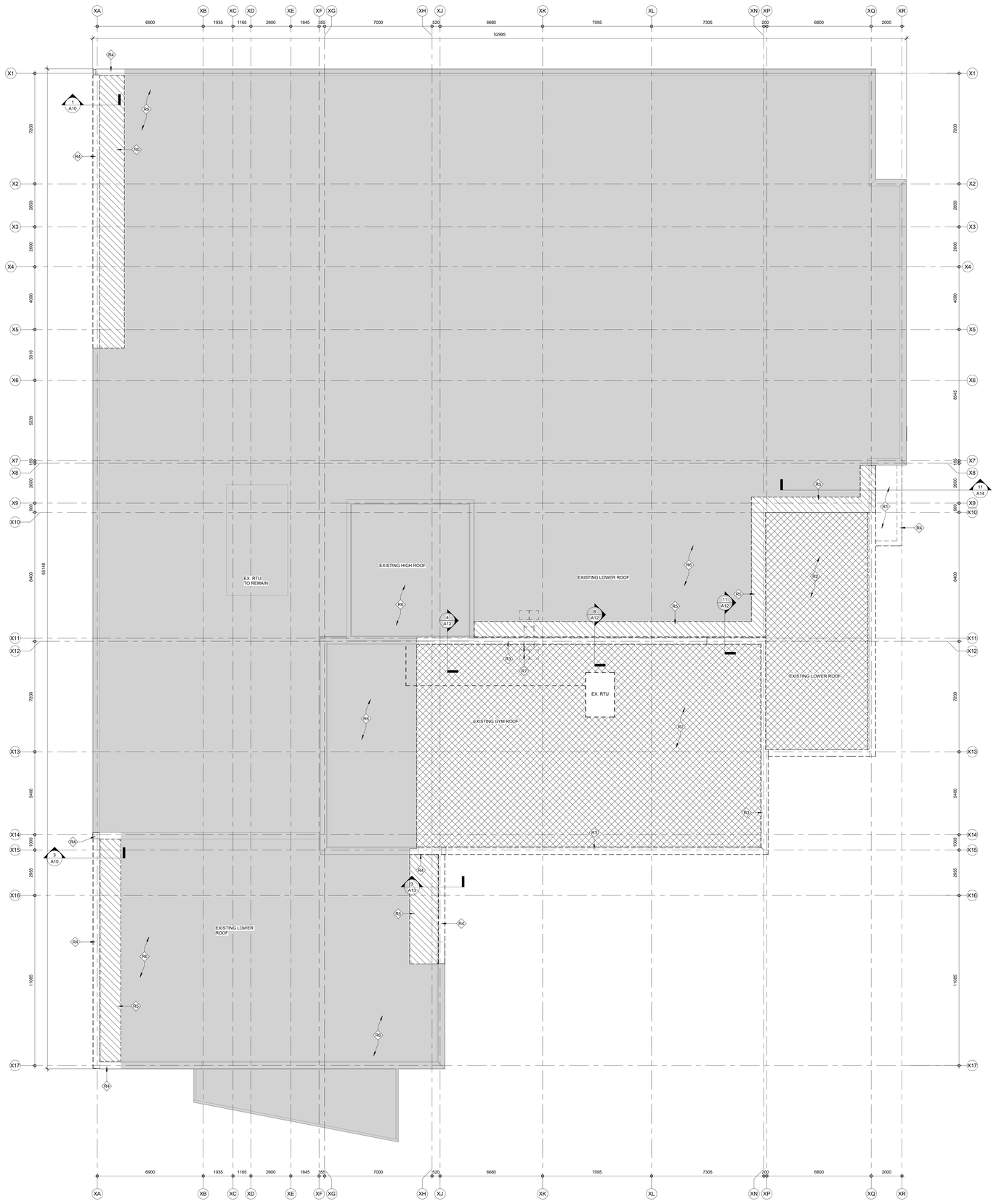
GENERAL DEMOLITION NOTES
to be followed for Demolition Floor Plans and Reflected Ceiling Plans

1. REMOVE ANY LEFTOVER EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS DUE, 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.
2. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
3. 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.
4. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
5. 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.
6. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS TO 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.
7. 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 MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
8. REFER TO STRUCTURAL DRAWINGS FOR TYPICAL FLOOR INFILL DETAILS
9. 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
10. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
11. ALL DIMENSIONS IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.

DEMOLITION NOTES - ROOF PLAN

- R1 DEMOLISH EXISTING CANOPY, INCLUDING ALL STRUCTURAL SUPPORTS AND FOUNDATION IN THEIR ENTIRETY. REFER TO PROPOSED DRAWINGS FOR NEW CANOPY. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN FOR BRICK INFILL.
- R2 EXISTING BUILT-UP ROOF ASSEMBLY, ROOF DECK AND JOISTS TO BE DEMOLISHED TO EXTENT SHOWN AS REQUIRED FOR STRUCTURAL WORK. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL.
- R3 DEMOLISH EXISTING METAL FLASHING, INSULATION AND VAPOUR BARRIER (INCLUDING BLOCKING, SOLDIER COURSE, ETC.) AS REQUIRED FOR NEW ROOF. REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DWGS FOR ASSOCIATED REMOVAL. REFER TO PROPOSED DWGS AND SECTIONS FOR NEW ROOF.
- R4 EXISTING PREFINISHED METAL FLASHING AND VAPOUR BARRIER TO BE CUT BACK TO EXTENT SHOWN. REFER TO PROPOSED PLANS AND WALL SECTIONS AS REQUIRED.
- R5 EXISTING ROOF ASSEMBLY TO BE CUT BACK AS REQUIRED MINIMUM 1 METER. REFER TO PROPOSED PLANS AND WALL SECTIONS.
- R6 EXISTING ROOF TO REMAIN.
- R7 REMOVE AND DISCARD EXISTING STEEL ROOF LADDER AND PRECAST PAVERS. MAKE GOOD DISTURBED AREAS.



1 / A04 DEMOLITION ROOF PLAN
SCALE: 1 : 100

PROJECT NORTH
TRUE NORTH

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 FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING SLAB AND BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOOM FINISH SCHEDULE.
- NEW FLOORING AND BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION ROOF PLAN

HOSSACK ARCHITECTURE
155 - 1939 IRONDAK WAY
SARNIA, ON N7S 0P7
(905) 819-5284 admin@hossack.com

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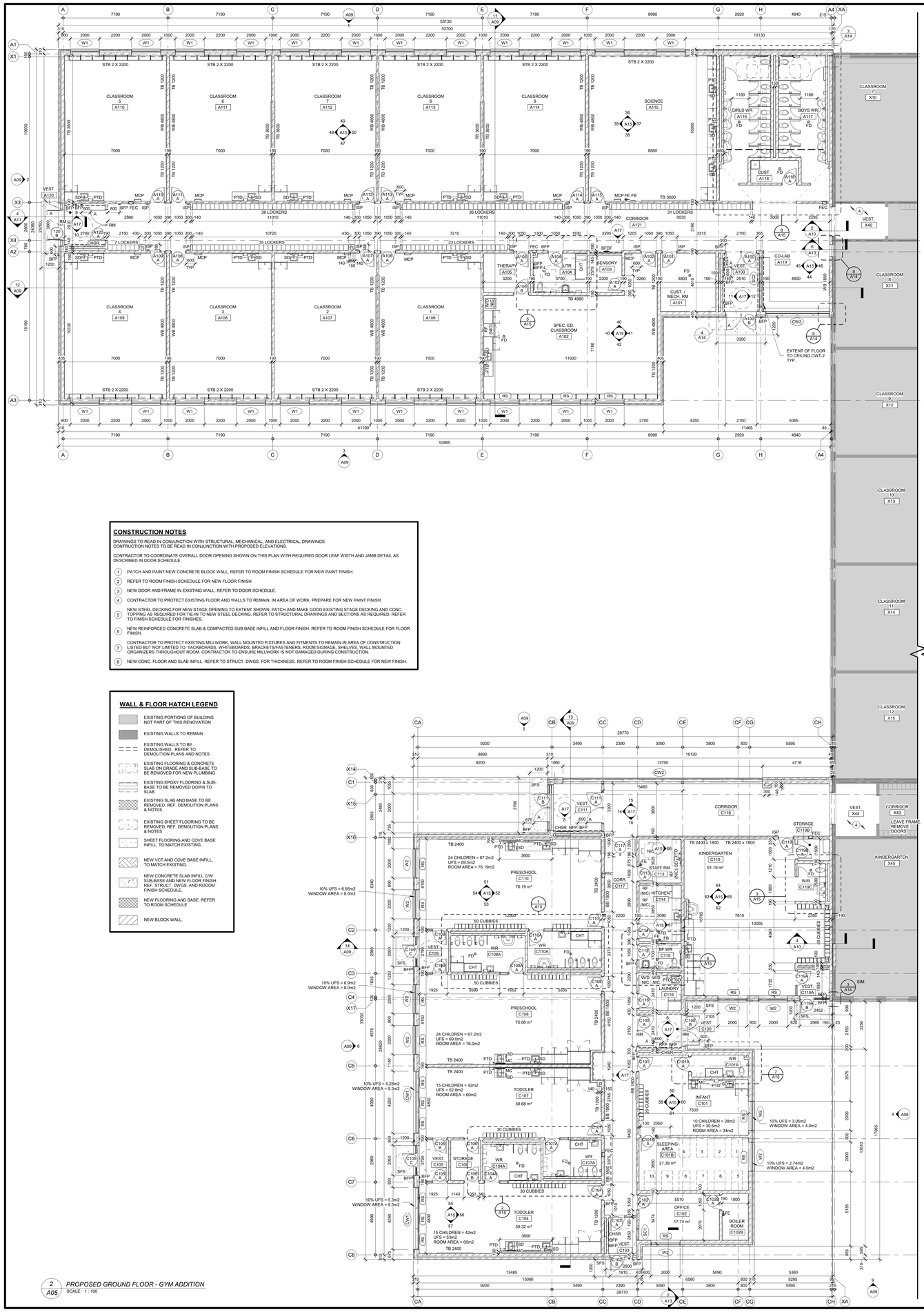

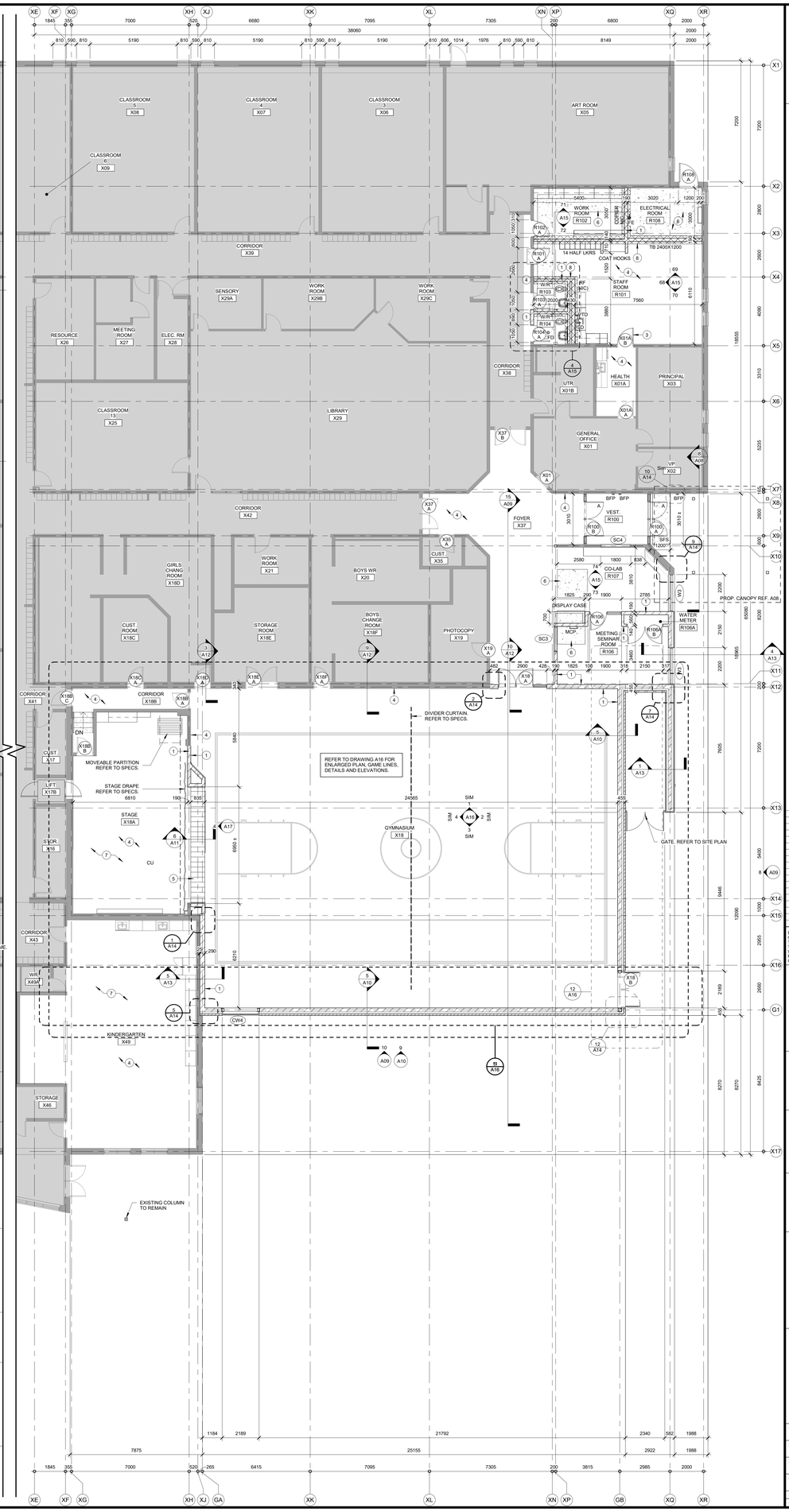

CONSTRUCTION NOTES

DRAWINGS TO READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

CONTRACTOR TO COORDINATE OVERALL DOOR OPENING SHOWN ON THIS PLAN WITH REQUIRED DOOR LEAF WIDTH AND JAMB DETAIL AS DESCRIBED IN DOOR SCHEDULE.

1. PATCH AND PAINT NEW CONCRETE BLOCK WALL. REFER TO ROOM FINISH SCHEDULE FOR NEW PAINT FINISH.
2. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOOR FINISH
3. NEW DOOR AND FRAME IN EXISTING WALL. REFER TO DOOR SCHEDULE.
4. CONTRACTOR TO PROTECT EXISTING FLOOR AND WALLS TO REMAIN, IN AREA OF WORK. PREPARE FOR NEW PAINT FINISH.
5. NEW STEEL DECKING FOR NEW STAGE OPENING TO EXTENT SHOWN. PATCH AND MAKE GOOD EXISTING STAGE DECKING AND CONC. TOPPING AS REQUIRED FOR TIE-IN TO NEW STEEL DECKING. REFER TO STRUCTURAL DRAWINGS AND SECTIONS AS REQUIRED. REFER TO FINISH SCHEDULE FOR FINISHES.
6. NEW REINFORCED CONCRETE SLAB & COMPACTED SUB BASE INFILL AND FLOOR FINISH. REFER TO ROOM FINISH SCHEDULE FOR FLOOR FINISH.
7. CONTRACTOR TO PROTECT EXISTING MILLWORK, WALL MOUNTED FIXTURES AND FITMENTS TO REMAIN IN AREA OF CONSTRUCTION LISTED BUT NOT LIMITED TO: TACKBOARDS, WHITEBOARDS, BRACKETS+FASTENERS, ROOM SIGNAGE, SHELVES, WALL MOUNTED ORGANIZERS THROUGHOUT ROOM. CONTRACTOR TO ENSURE MILLWORK IS NOT DAMAGED DURING CONSTRUCTION.
8. NEW CONC. FLOOR AND SLAB INFILL. REFER TO STRUCT. DWGS. FOR THICKNESS. REFER TO ROOM FINISH SCHEDULE FOR NEW FINISH.

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 FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING SLAB AND BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOOM FINISH SCHEDULE.
- NEW FLOORING AND BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL.

2 / A05 PROPOSED GROUND FLOOR - GYM ADDITION
SCALE: 1 : 100

PROJECT NORTH
TRUE NORTH

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD - REFER TO SPECS
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BH	BREAK-AWAY HOOK
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHsr	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REF. TO SPEC
CR+S	COAT RACK AND SHELF
CS	CONVEIENCE SHELF
C/W	COMPLETE WITH
CWT	CERAMIC WALL TILE
DF	DRINKING FOUNTAIN
D/W	DISHWASHER
EM	ELECTROMAGNETIC HOLD OPEN DEVICE
EP	ELECTRICAL PANEL. REF ELEC DWGS.
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
FAAP	FIRE ALARM ANNUCIATOR PANEL
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
FSS	FOLDING SHOWER SEAT
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBs	GRAB BAR "L" SHAPE
GBf	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HL	HANDICAP LOCKER
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
ISP	INTERIOR SIGNAGE PANEL
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
MC	MIRROR IN CHILD CARE ROOMS
ML	LONG MIRROR
MLH	LONG MIRROR - HORIZONTAL
MCP	MODULAR CONTROL PANEL
MRS	MOTORIZED ROLLER SHADE
MS	MOP SINK
NIC	NOT IN CONTRACT
PAS	PUBLIC ANNOUNCEMENT SYSTEM
PREFIN	PREFINISHED
PCT	PRIVACY CURTAIN AND TRACK
PMP-1	PERFORATED METAL PANEL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
REINF	REINFORCING
RF	REFRIGERATOR
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE REFER TO SPECS
RWL	RAIN WATER LEADER
SC	HOLLOW METAL WINDOW SCREEN
SD	SOAP DISPENSER
SFS	STRUCTURAL FROST SLAB
SIM	SIMILAR
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SP	SPANDREL PANEL
STB	SLIDING TACKBOARD
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
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2	ISSUED FOR BUILDING PERMIT	260331
1	ISSUED FOR SPA	260220

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
9053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES ADDITION & RENOVATION

540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROPOSED GROUND FLOOR

HOSSACK ARCHITECTURE
105 - 1239 IRONOAK WAY
OAKVILLE, ON L6H 3V9
(905) 815-8284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 25106
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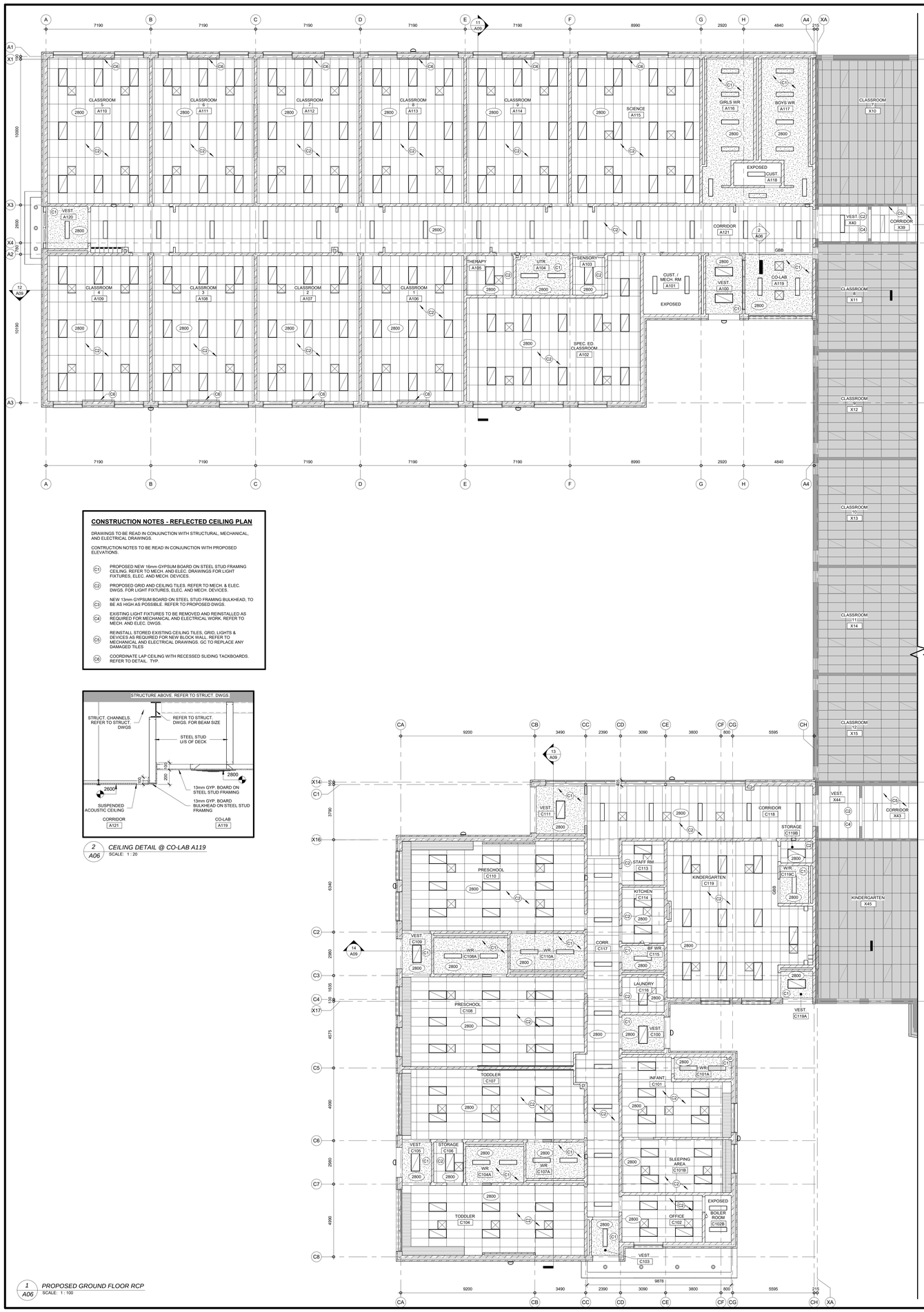


CONSTRUCTION NOTES - REFLECTED CEILING PLAN

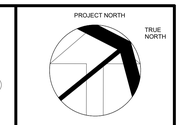
DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

- C1 PROPOSED NEW 16mm GYPSUM BOARD ON STEEL STUD FRAMING CEILING. REFER TO MECH. AND ELEC. DRAWINGS FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C2 PROPOSED GRID AND CEILING TILES. REFER TO MECH. & ELEC. DWGS. FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C3 NEW 13mm GYPSUM BOARD ON STEEL STUD FRAMING BULKHEAD, TO BE AS HIGH AS POSSIBLE. REFER TO PROPOSED DWGS.
- C4 EXISTING LIGHT FIXTURES TO BE REMOVED AND REINSTALLED AS REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. REFER TO MECH. AND ELEC. DWGS.
- C5 REINSTALL STORED EXISTING CEILING TILES, GRID, LIGHTS & DEVICES AS REQUIRED FOR NEW BLOCK WALL. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. GC TO REPLACE ANY DAMAGED TILES
- C6 COORDINATE LAP CEILING WITH RECESSED SLIDING TACKBOARDS. REFER TO DETAIL. TYP.

2 / A06 *CEILING DETAIL @ CO-LAB A119*
SCALE : 1 : 20

1 / A06 *PROPOSED GROUND FLOOR RCP*
SCALE : 1 : 100



RCP LEGEND

- LIGHT FIXTURE. REFER TO LIGHTING PLAN/LIGHTING SCEDULE FOR TYPE
- FLUSH MOUNTED LIGHT FIXTURE. REFER TO LIGHTING PLANS/LIGHTING SCHEDULES FOR TYPE
- ACOUSTIC CEILING PANELS REFER TO SPECIFICATIONS FOR DESCRIPTION OF TYPES
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- RP RADIANT PANEL
- GYPSUM BOARD CEILING OF BULKHEAD
- ### CEILING HEIGHT FROM FINISHED FLOOR
- LF LIGHT FIXTURE
- GB GYPSUM BOARD
- GBB GYPSUM BOARD BULKHEAD
- RADIATOR. FOR TYPE AND MOUNTING SEE MECH. DWGS. REF. TO AD 900

NOTES:

TYP. FOR ALL CLASSROOMS: INSTALLATION OF CEILINGS TO BE COORDINATED WITH INSTALLATION OF SLIDING TACKBOARDS. REFER TO AD 2001

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE 5053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES ADDITION & RENOVATION

540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROPOSED GROUND FLOOR RCP

HOSSACK ARCHITECTURE
105 - 1938 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0304 admin@hossackarch.com

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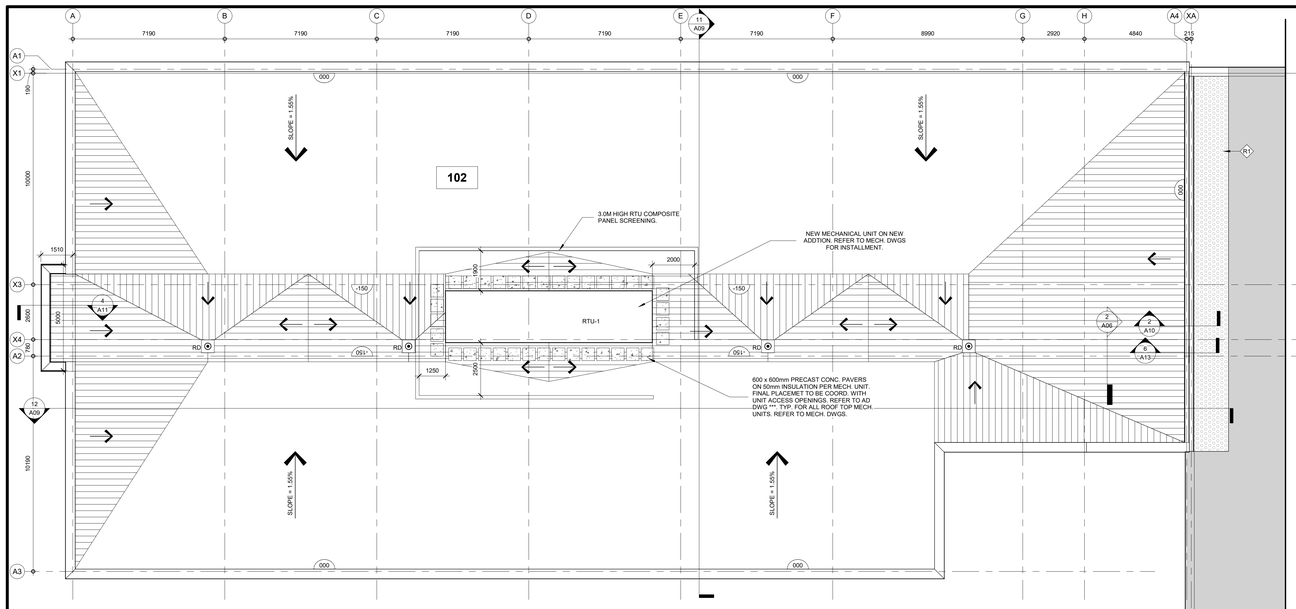
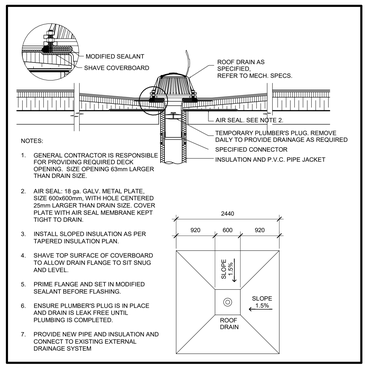


PROPOSED NOTES - ROOF PLAN

R1 PATCH AND INFILL TO MATCH EXISTING ROOFING. LAP OVER NEW TO EXISTING ROOF MEMBRANES AND VAPOUR BARRIER MIN. 150mm. REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF NEW JOISTS.

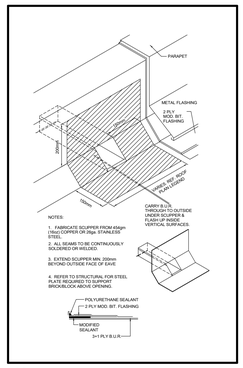
R2 NEW ROOF ASSEMBLY INFILL TO MATCH EXISTING. LAP OVER NEW TO EXISTING ROOF MEMBRANES AND VAPOUR BARRIER MIN. 150mm.



NOTES:

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING REQUIRED DECK OPENING. SIZE OPENING 63mm LARGER THAN DRAIN SIZE.
2. AIR SEAL: 18 ga. GALV. METAL PLATE, SIZE 600x600mm, WITH HOLE CENTERED 25mm LARGER THAN DRAIN SIZE. COVER PLATE WITH AIR SEAL MEMBRANE KEPT TIGHT TO DRAIN.
3. INSTALL SLOPED INSULATION AS PER TAPERED INSULATION PLAN.
4. SHAVE TOP SURFACE OF COVERBOARD TO ALLOW DRAIN FLANGE TO SIT SNUG AND LEVEL.
5. PRIME FLANGE AND SET IN MODIFIED SEALANT BEFORE FLASHING.
6. ENSURE PLUMBER'S PLUG IS IN PLACE AND DRAIN IS LEAK FREE UNTIL PLUMBING IS COMPLETED.
7. PROVIDE NEW PIPE AND INSULATION AND CONNECT TO EXISTING EXTERNAL DRAINAGE SYSTEM

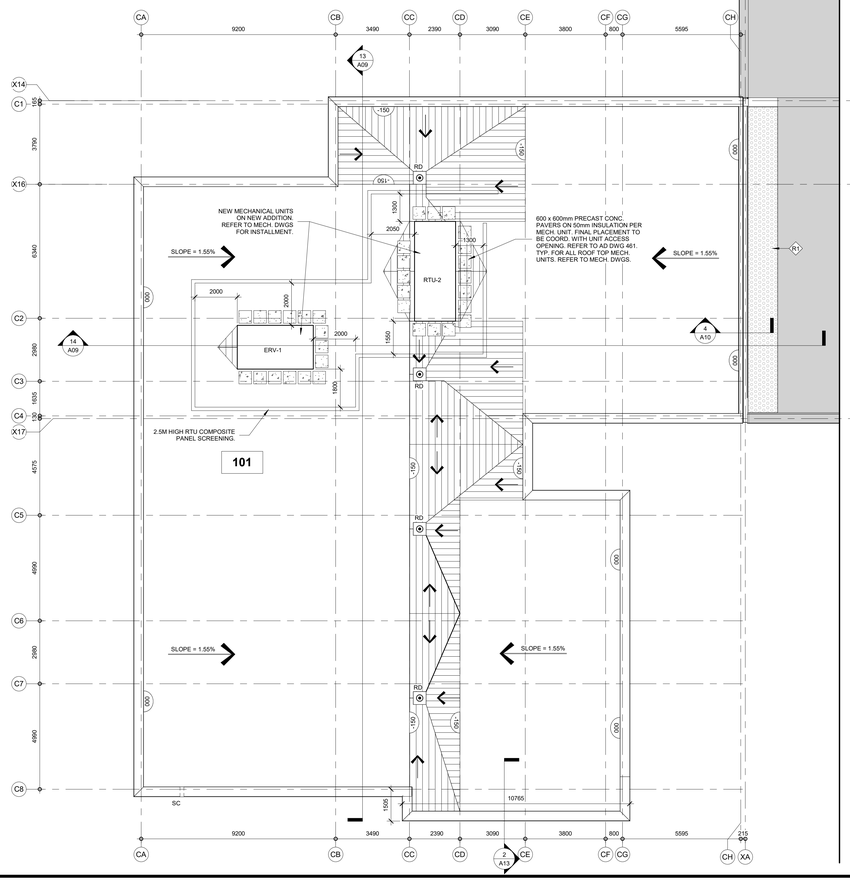
3 / A07 TYPICAL ROOF DRAIN
SCALE: 1 : 10



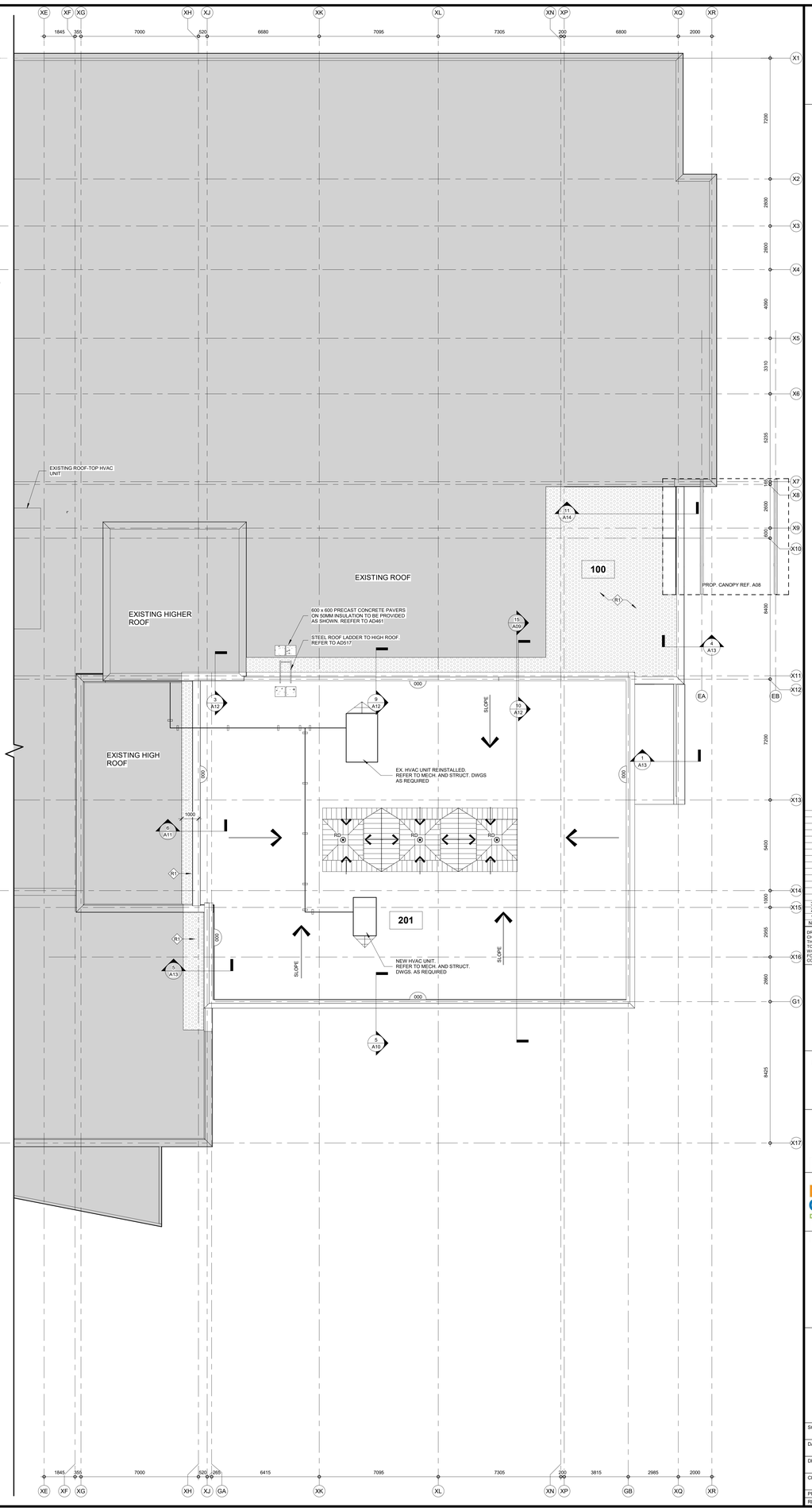
NOTES:

1. FABRICATE SCUPPER FROM 48ga (16oz) COPPER OR 26ga. STAINLESS STEEL.
2. ALL SEAMS TO BE CONTINUOUSLY SOLDERED OR WELDED.
3. EXTEND SCUPPER MIN. 200mm BEYOND OUTSIDE FACE OF EAVE
4. REFER TO STRUCTURAL FOR STEEL PLATE REQUIRED TO SUPPORT BROWBLOCK ABOVE OPENING.

1 / A07 TYPICAL SCUPPER DETAIL - SC1
SCALE: 1 : 10



2 / A07 PARTIAL PROPOSED ROOF PLAN AT ADDITION
SCALE: 1 : 100



PROJECT NORTH
TRUE NORTH

ROOF PLAN LEGEND

- INSULATION SUMP TAPERED TO DRAIN. REFER TO SPECIFICATIONS FOR MATERIALS.
- TAPERED FIBER BOARD TO DRAIN
- RD ROOF DRAIN
- DIRECTION OF SLOPE
- SC Scupper 220mm L x 100mm H REFER TO DETAIL
- 101 ROOF INDICATOR
- ROOF CURB
- 000 ROOF SLOPE INDICATOR (mm)

NOTES:

ROOF SLOPES TO BE TYPICAL 1.0% MINIMUM. REFER TO STRUCTURAL DRAWINGS

REFER TO MECHANICAL DRAWINGS FOR DETAILS ON MECH. UNITS AND PENETRATIONS NOTED ON THIS PAGE. NOT ALL PENETRATIONS MAY BE SHOWN ON THIS DRAWINGS.

ENSURE SCUPPERS ARE NOT CONSTRUCTED DIRECTLY ABOVE WINDOWS TYP. REFER TO EXTERIOR ELEVATIONS

ALL TAPERED INSULATION CRICKETS AND BACKSLOPES TO HAVE MIN. 2% FINISHED SLOPE UNLESS OTHERWISE NOTED.

ALL ROOF TOP UNITS TO BE MIN. 1830mm FROM ANY ROOF EDGE

PROVIDE TAPERED INSULATION CRICKETS AROUND MECHANICAL CURBS TO ENSURE POSITIVE SLOPE TO DRAIN

REFER TO SPECIFICATION SECTION 07 50 90 FOR ROOF ASSEMBLY CONSTRUCTION

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5053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROPOSED ROOF PLAN

HOSSACK ARCHITECTURE
105 - 1938 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0304 admin@hossackarch.com

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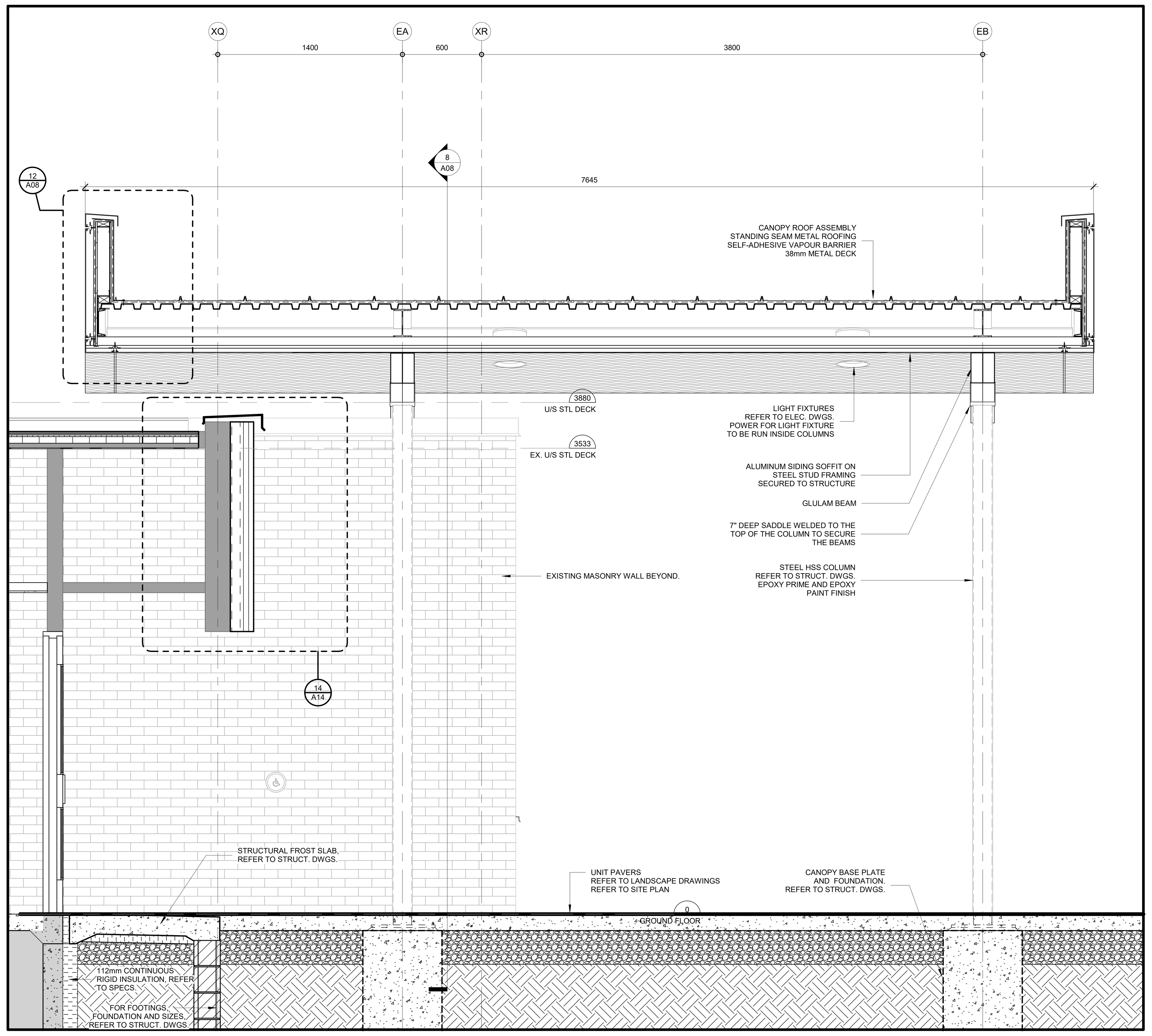
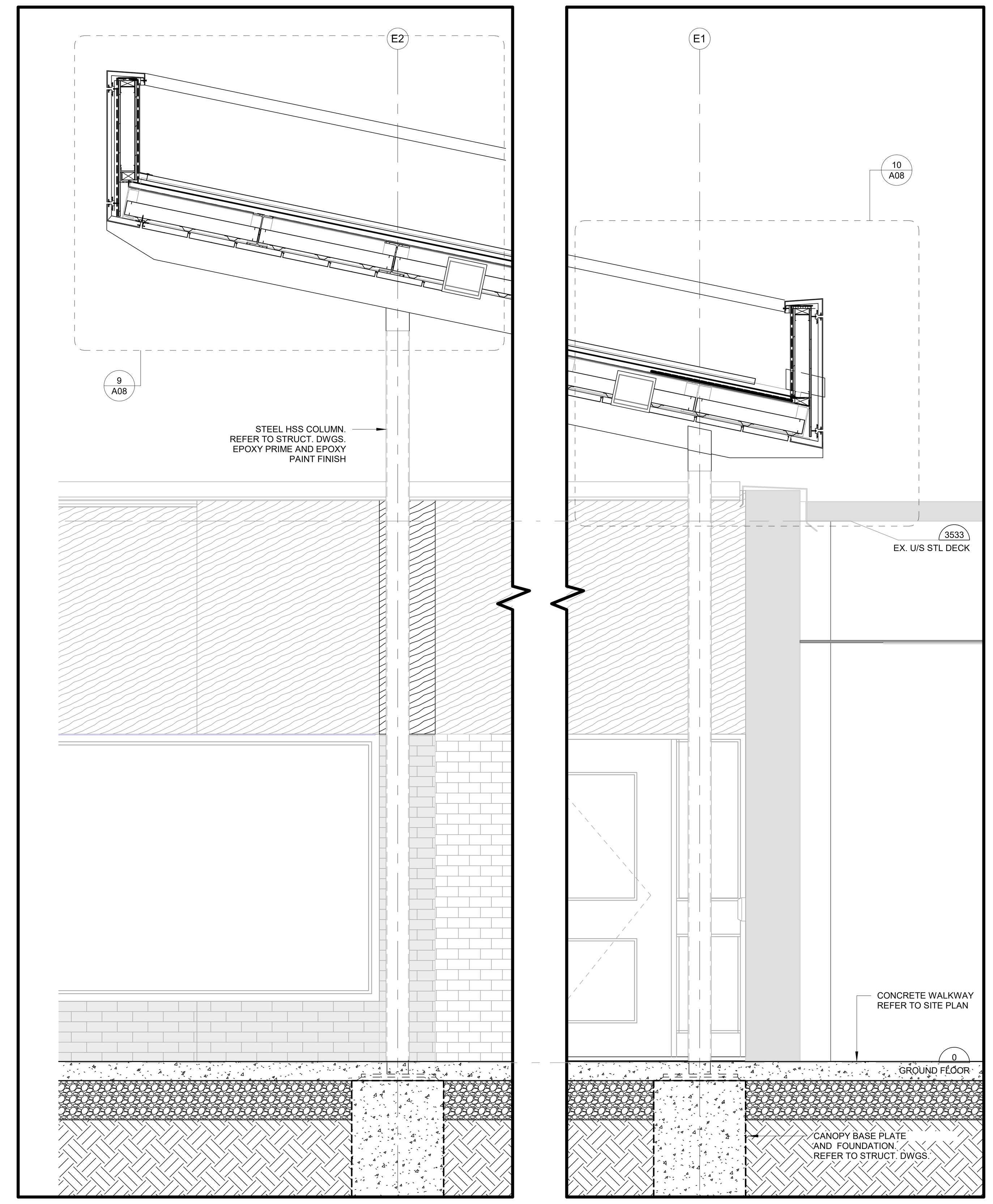


11 / A08 *SECTION @ NEW EXTERIOR CANOPY A*
SCALE: 1 : 20



8 / A08 *SECTION @ NEW EXTERIOR CANOPY B*
SCALE: 1 : 20

DEMOLITION NOTES

GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.

ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DRAWINGS 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 BLOCK 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.

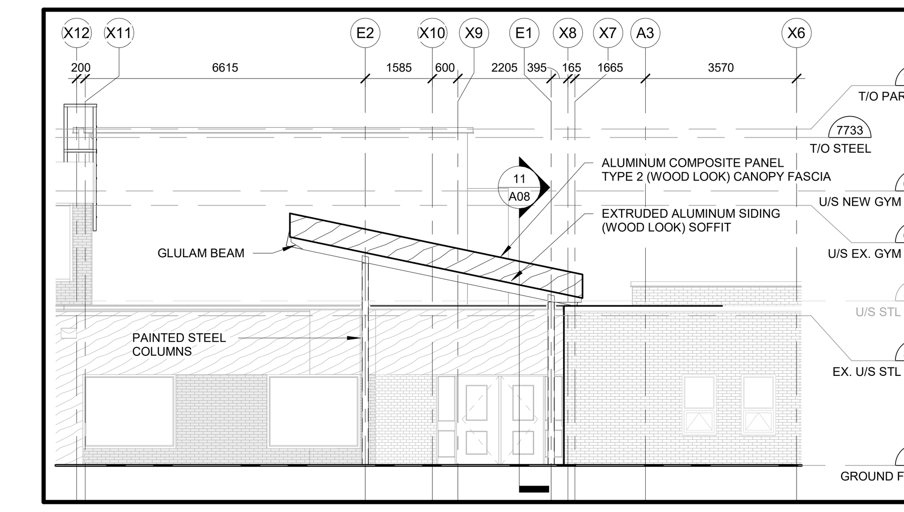
1 DEMOLISH EXISTING CANOPY, INCLUDING ALL STRUCTURAL SUPPORTS AND FOUNDATION IN THEIR ENTIRETY. REFER TO STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL, AS REQUIRED.

CONSTRUCTION NOTES

DRAWINGS TO READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

CONTRACTOR TO COORDINATE OVERALL DOOR OPENING SHOWN ON THIS PLAN WITH REQUIRED DOOR LEAF WIDTH AND JAMB DETAIL AS DESCRIBED IN DOOR SCHEDULE.

1 PROPOSED CANOPY STRUCTURE. REFER TO STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS AND SPEC. REFER TO SITE PLAN AS REQUIRED.



1 / A08 *PARTIAL EAST ELEVATION AT ENTRANCE CANOPY*
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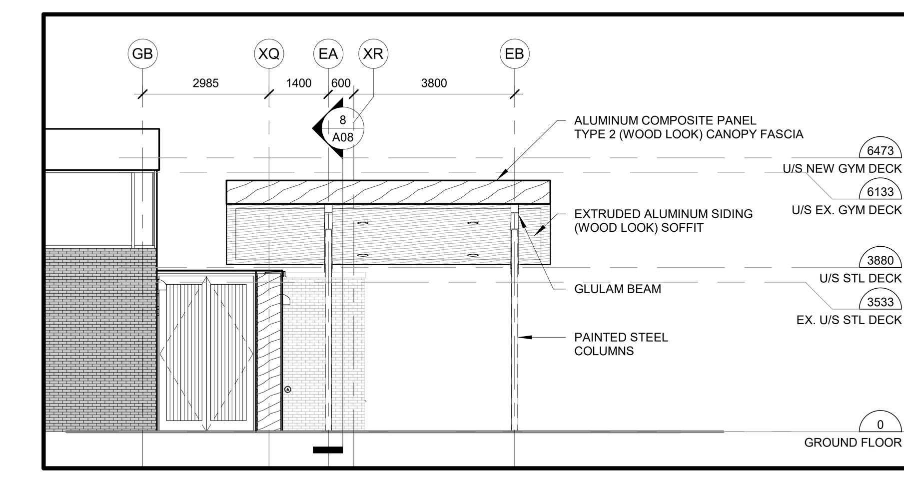

7 / A08 *PARTIAL NORTH ELEVATION AT ENTRANCE CANOPY*
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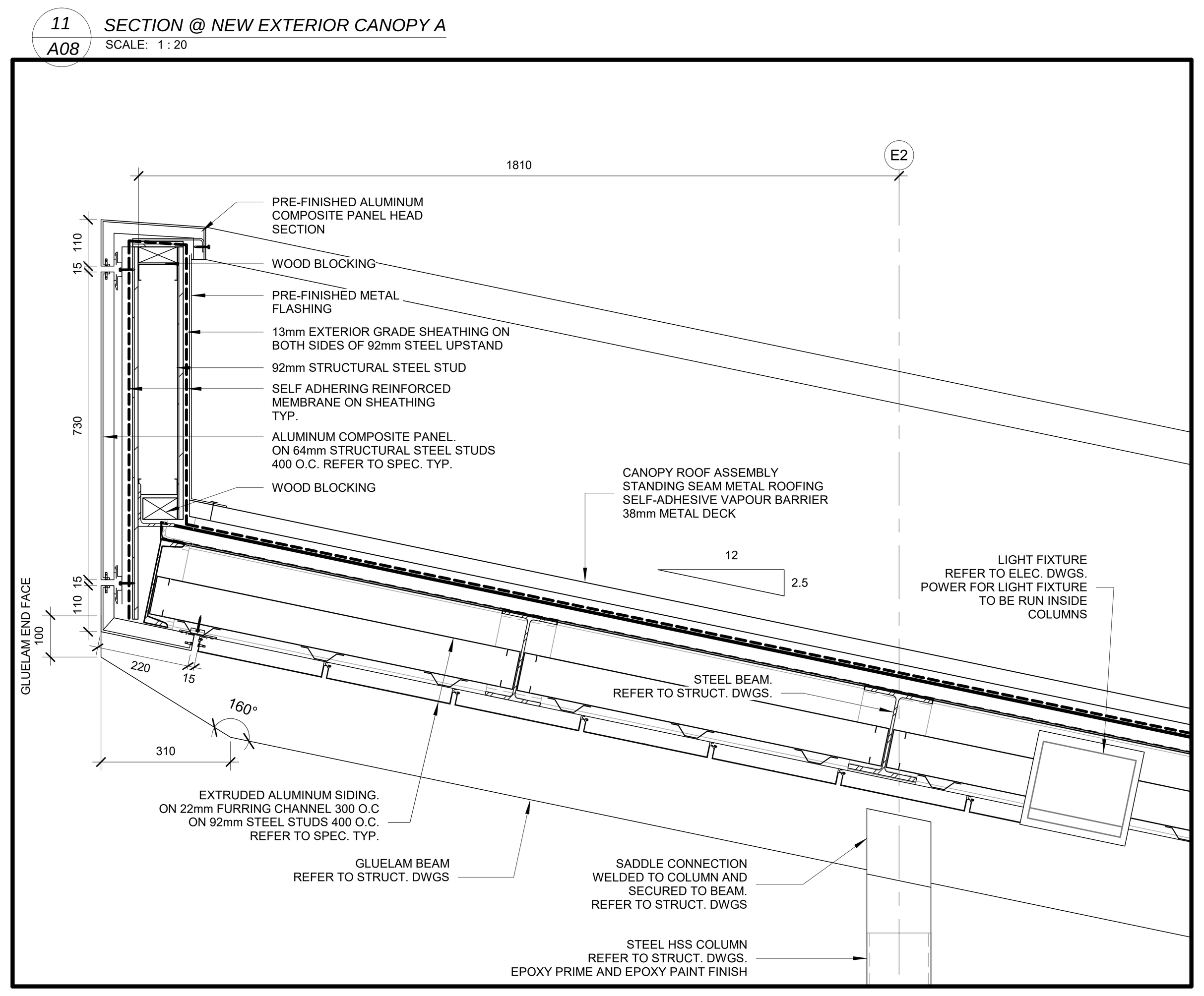

9 / A08 *SECTION DETAIL @ CANOPY HIGH SIDE*
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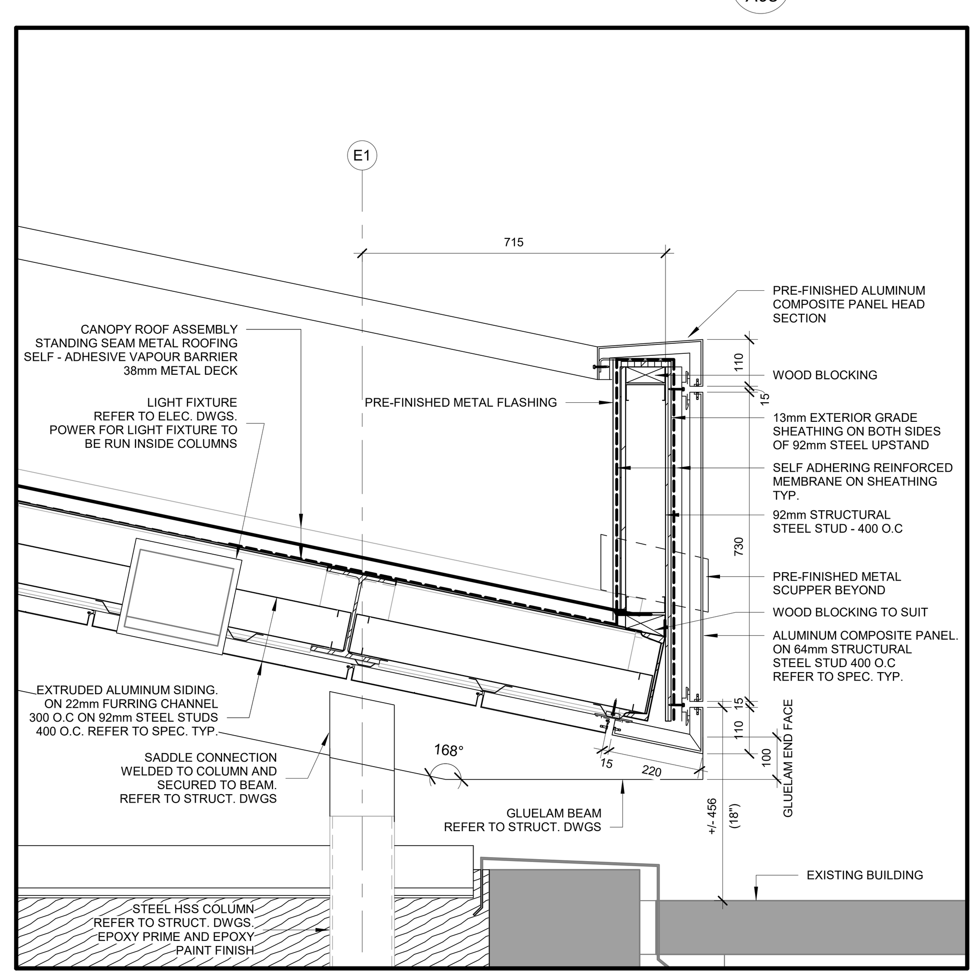

10 / A08 *SECTION DETAIL @ CANOPY LOW SIDE*
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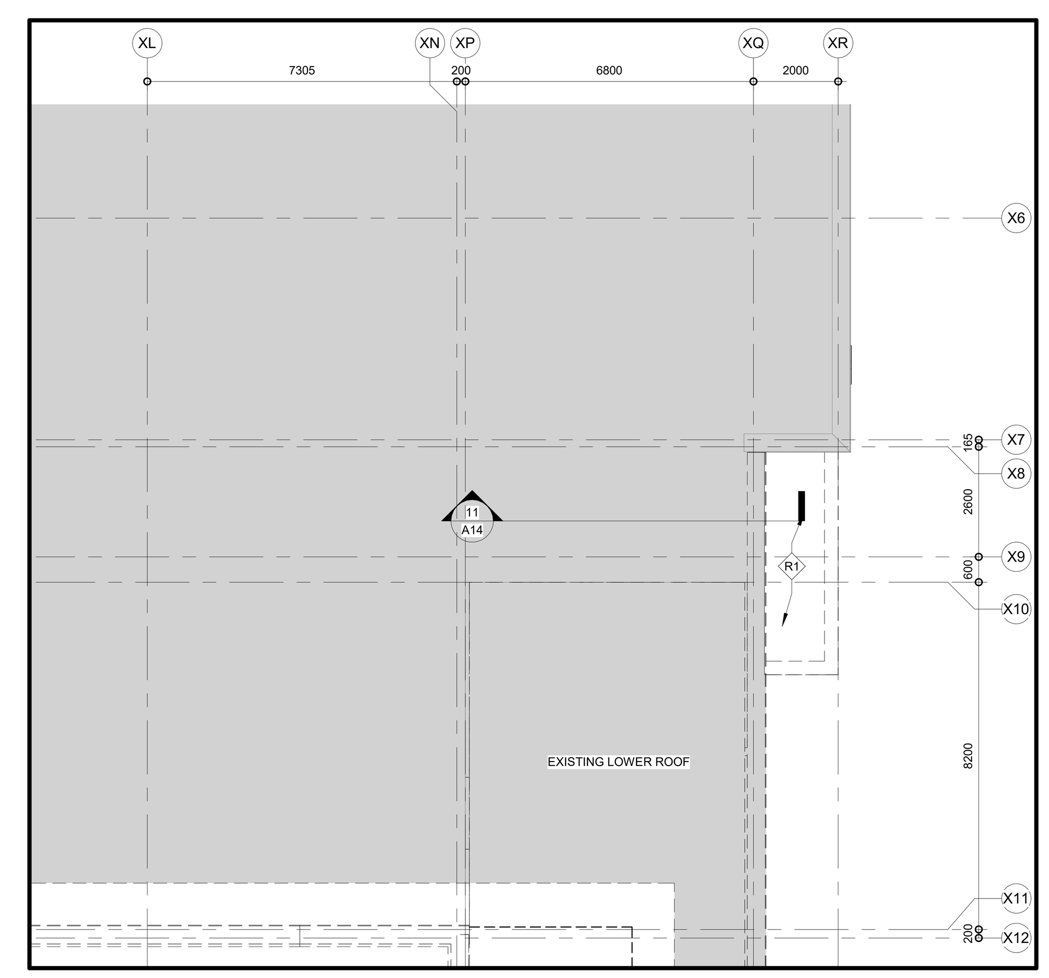

6 / A08 *DEMOLITION ROOF PLAN - ENTRANCE CANOPY*
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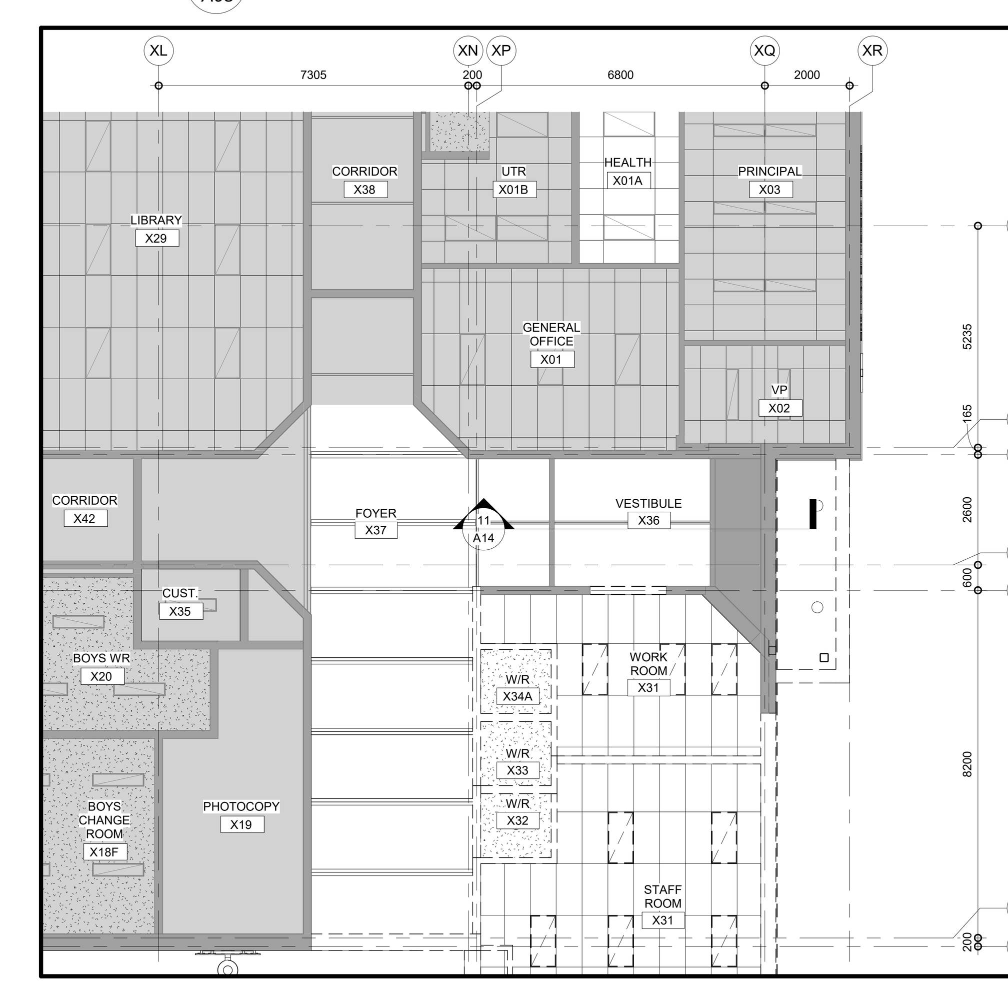

5 / A08 *DEMOLITION GORUND FLOOR RCP - ENTERANCE CANOPY*
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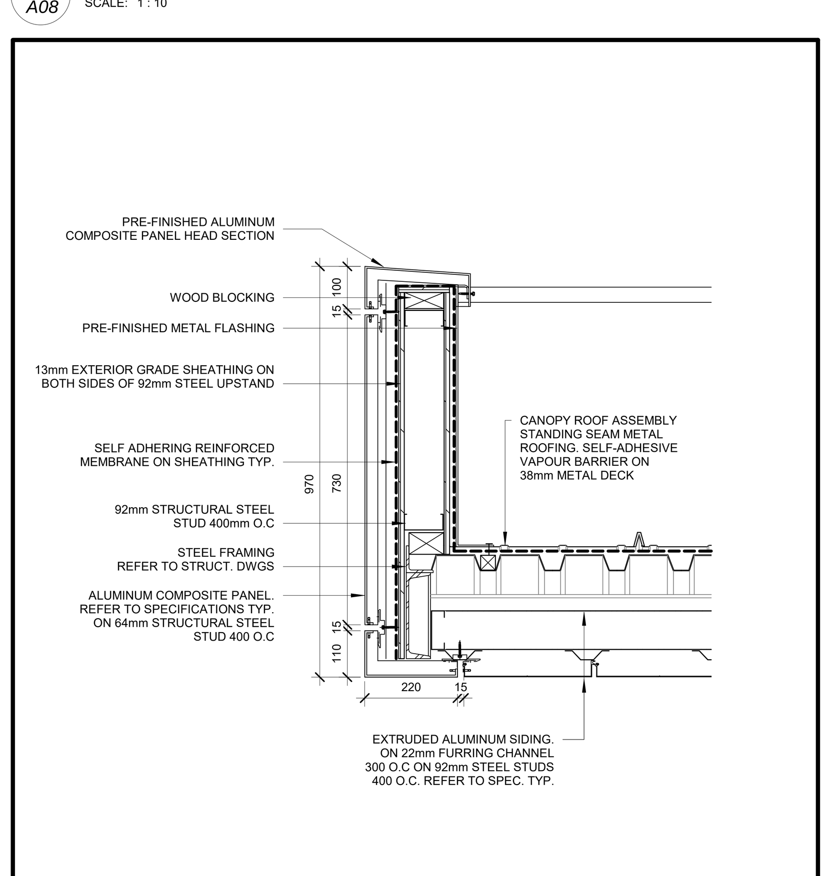

12 / A08 *SECTION DETAIL - CANOPY*
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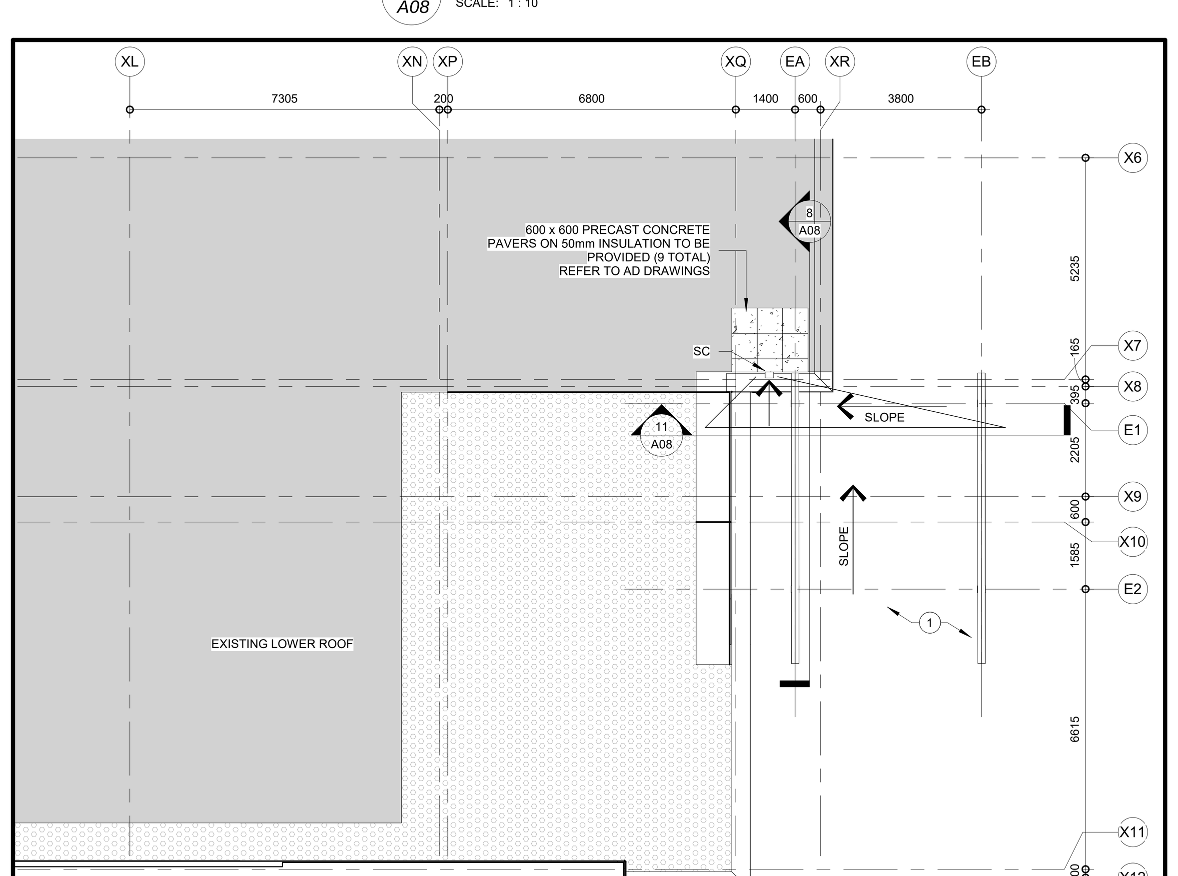
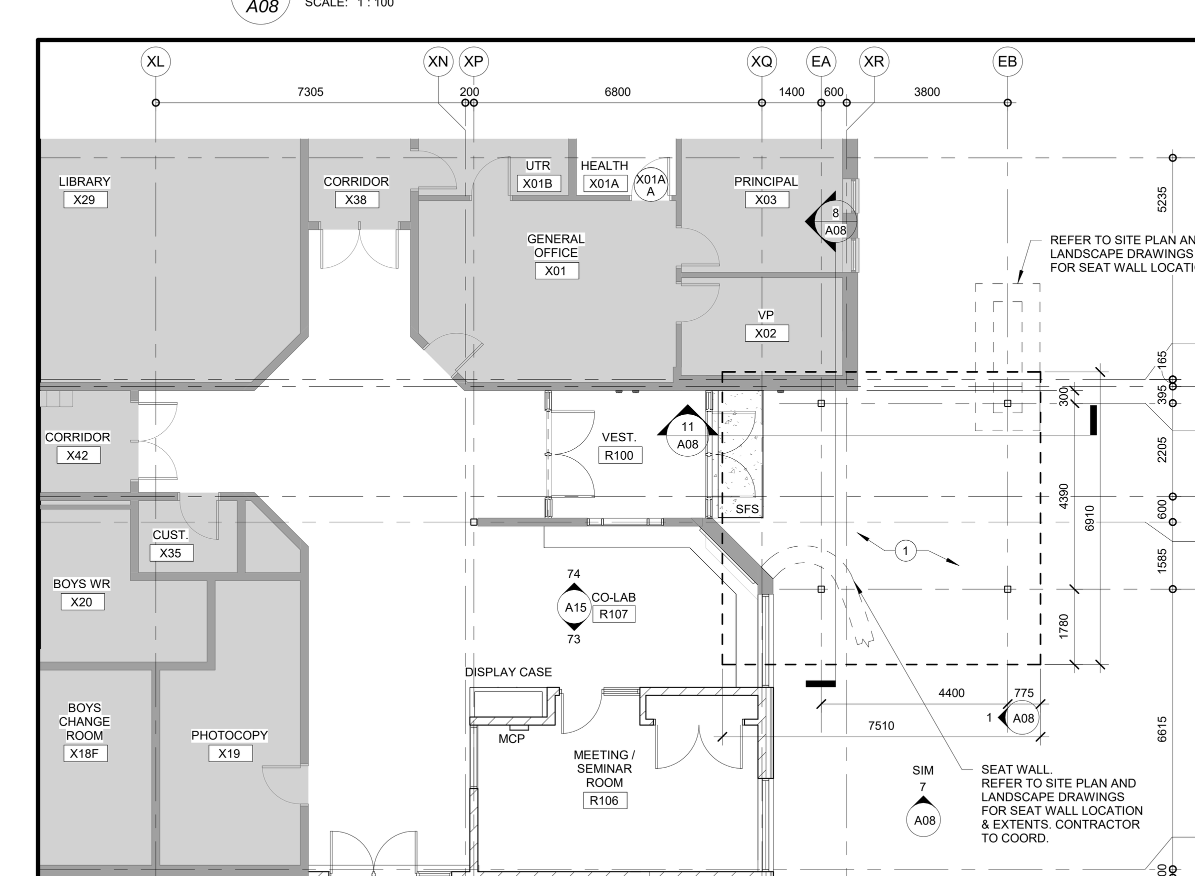


4 / A08 *PARTIAL ROOF PLAN - ENTRANCE CANOPY*
SCALE: 1 : 100

3 / A08 *PARTIAL GROUND FLOOR RCP - ENTRANCE CANOPY*
SCALE: 1 : 100



2 / A08 *PARTIAL GROUND FLOOR PLAN AT EXTERIOR CANOPY*
SCALE: 1 : 100

PROJECT NORTH
TRUE NORTH

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION & PROPOSED CANOPY AT MAIN ENTRANCE

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE	As indicated	PROJECT	25106
DATE	MAY 2026		
DRAWN	TC/JK	DRAWING	A08
CHECKED	PL		
PRINT DATE	2026-05-11 1:25:56 PM		
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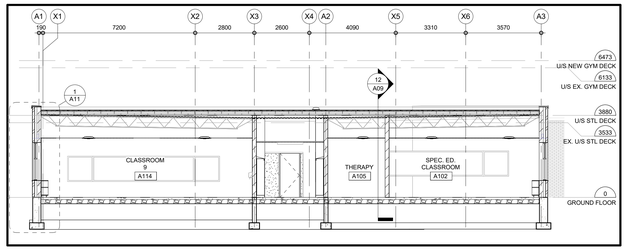

11 A09 CLASSROOM ADDITION - BUILDING SECTION 1
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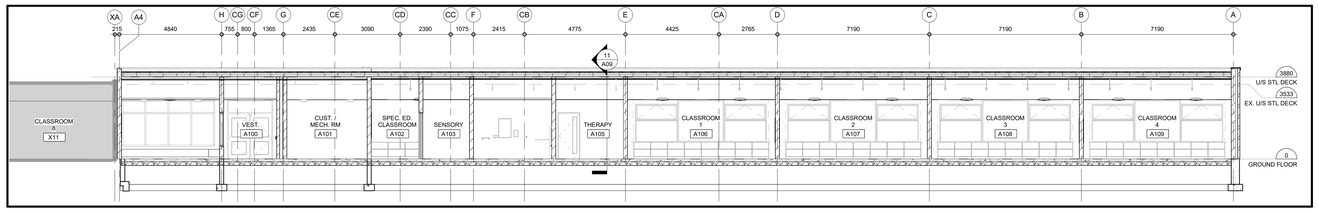

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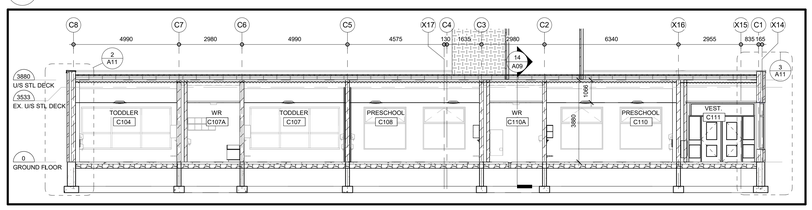

13 A09 CHILD CARE ADDITION - BUILDING SECTION 1
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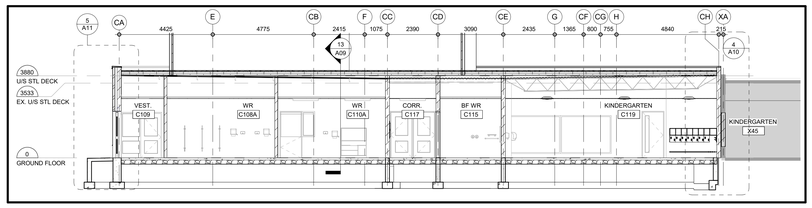

14 A09 CHILD CARE ADDITION - BUILDING SECTION 2
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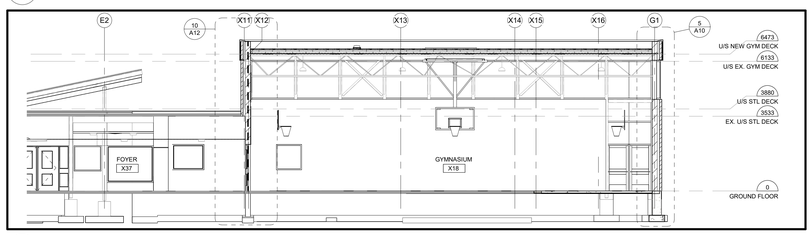

15 A09 GYMNAISUM ADDITION - BUILDING SECTION 1
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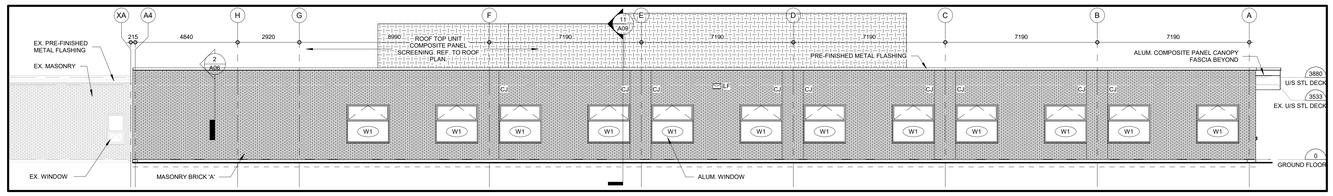

1 A09 NORTH ELEVATION - CLASSROOM ADDITION
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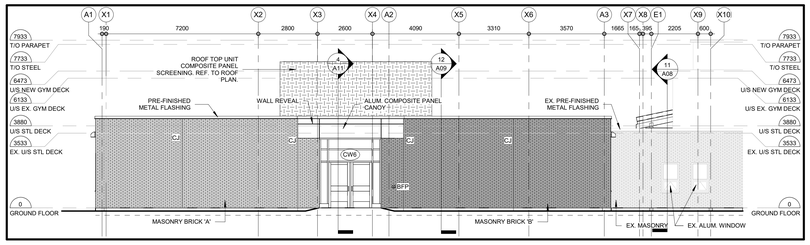

2 A09 WEST ELEVATION - CLASSROOM ADDITION
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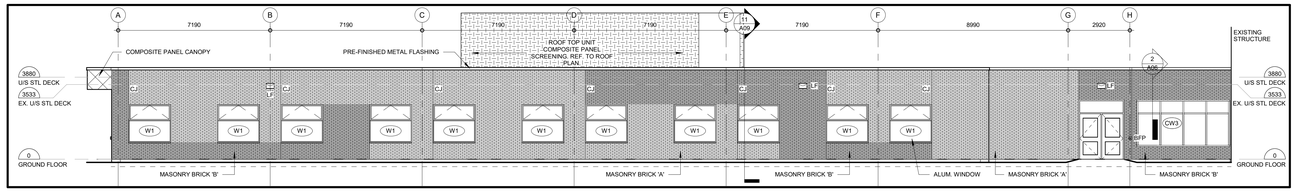

3 A09 SOUTH ELEVATION - CLASSROOM ADDITION
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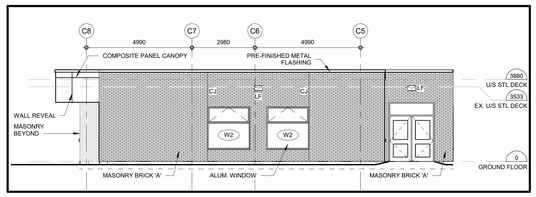

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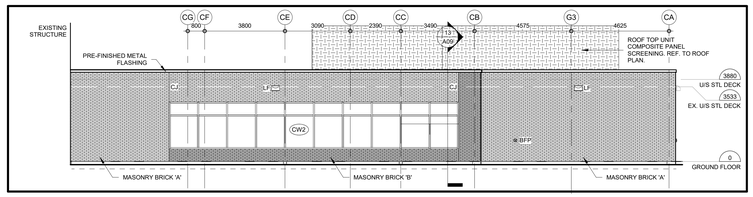

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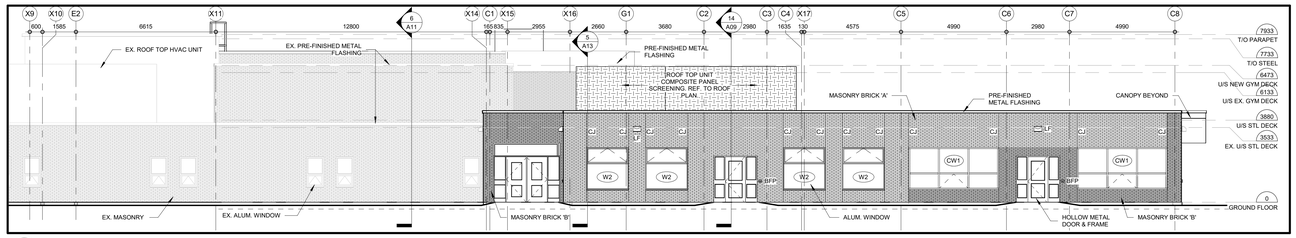

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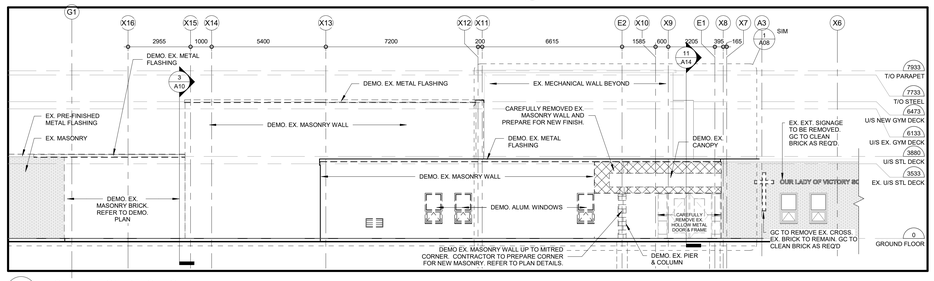

7 A09 EAST ELEVATION - DEMOLITION
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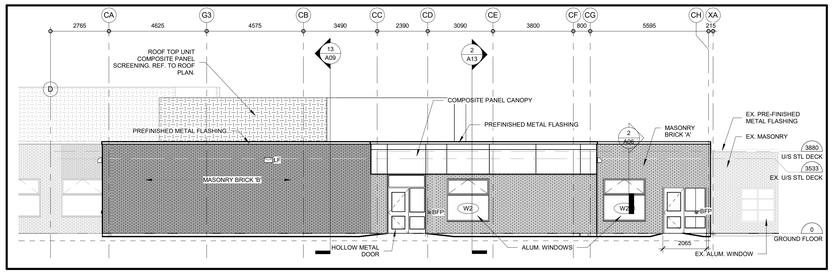

9 A09 SOUTH ELEVATION - CHILD CARE ADDITION
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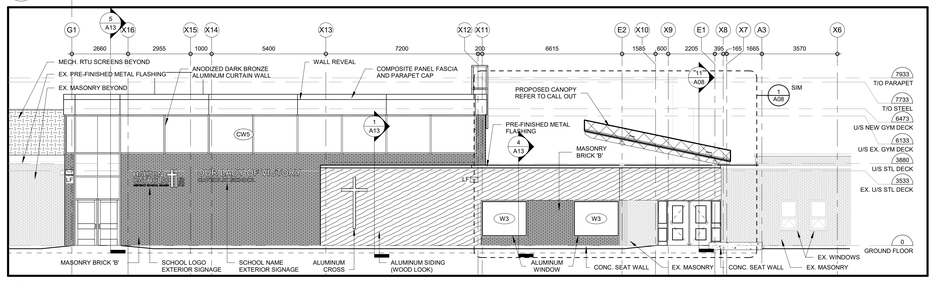

8 A09 EAST ELEVATION - GYM ADDITION
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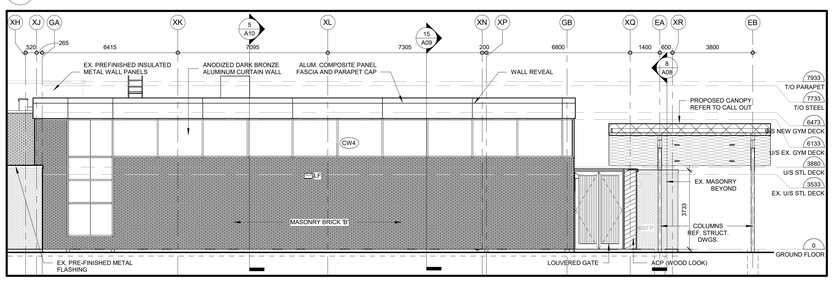

10 A09 SOUTH ELEVATION - GYM ADDITION
SCALE: 1 : 100

MATERIAL LEGEND

- EXISTING TO REMAIN
- NEW CONSTRUCTION
- MASONRY BRICK 'A' RED VENEER
- MASONRY BRICK 'B' BLACK VENEER
- ALUMINUM COMPOSITE PANEL SIDING "WOOD LOOK"
- ALUMINUM COMPOSITE PANEL ENTRANCE CANOPY "WOOD LOOK"
- ALUMINUM COMPOSITE PANEL
- ROOF TOP UNIT COMPOSITE PANEL SCREENING

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD - REFER TO SPECS
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BH	BREAK-AWAY HOOK
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHsr	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REF. TO SPEC
CR+S	COAT RACK AND SHELF
CS	CONVENIENCE SHELF
CW	COMPLETE WITH
CWT	CERAMIC WALL TILE
DF	DRINKING FOUNTAIN
DW	DISHWASHER
EM	ELECTROMAGNETIC HOLD OPEN DEVICE
EP	ELECTRICAL PANEL REF. ELEC. DWGS.
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
FAAP	FIRE ALARM ANNUCIATOR PANEL
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
FSS	FOLDING SHOWER SEAT
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HD	HANDRAIL
HM	HANDICAP LOCKER
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
ISP	INTERIOR SIGNAGE PANEL
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
MC	MIRROR IN CHILD CARE ROOMS
ML	LONG MIRROR
MLH	LONG MIRROR - HORIZONTAL
MCP	MODULAR CONTROL PANEL
MRS	MOTORIZED ROLLER SHADE
MS	MOP SINK
NIC	NOT IN CONTRACT
PAS	PUBLIC ANNOUNCEMENT SYSTEM
PREFIN	PREFINISHED
PCT	PRIVACY CURTAIN AND TRACK
PMP-1	PERFORATED METAL PANEL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
REINF	REINFORCING
RF	REFRIGERATOR
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE REFER TO SPECS
RWL	RAIN WATER LEADER
SC	HOLLOW METAL WINDOW SCREEN
SD	SOAP DISPENSER
SFS	STRUCTURAL FROST SLAB
SIM	SIMILAR
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SP	SPANDREL PANEL
STB	SLIDING TACKBOARD
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	260511
2	ISSUED FOR BUILDING PERMIT	260331
1	ISSUED FOR SPA	260220

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE 5053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

EXTERIOR ELEVATIONS & BLDG. SECTIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-5084 admin@hossackarch.com

SCALE	As indicated
PROJECT	25106
DATE	MAY 2026
DRAWN	TC/JK
DRAWING	A09
CHECKED	PL
PRINT DATE	2026-05-12 2:33:24 PM
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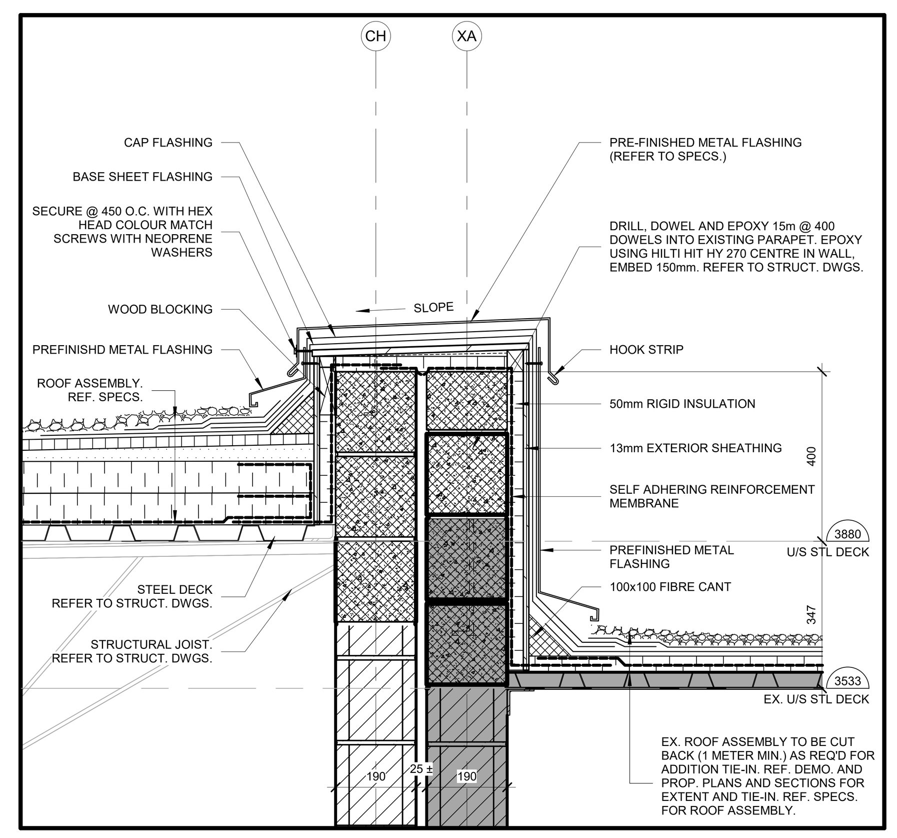
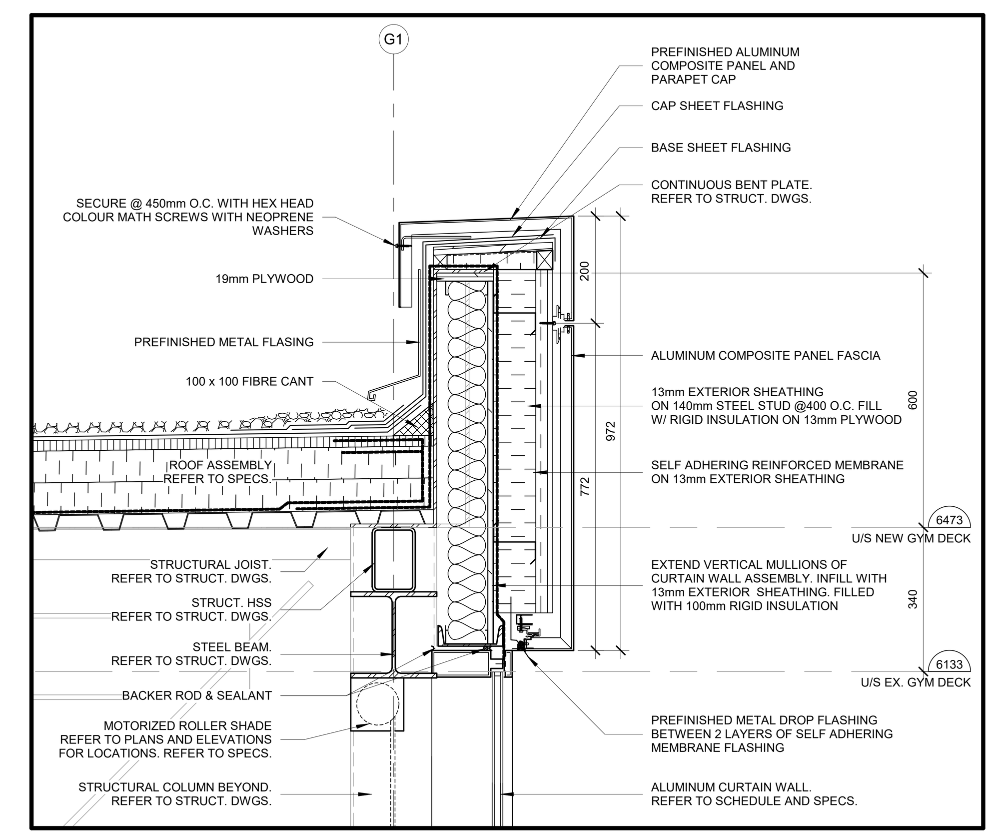


8 / A10 — *SECTION DETAIL - TOP OF WALL @ CHILDCARE ADDITION*
SCALE: 1 : 10



7 / A10 — *SECTION DETAIL @ EXTERIOR GYMNASIUM WALL PARAPET*
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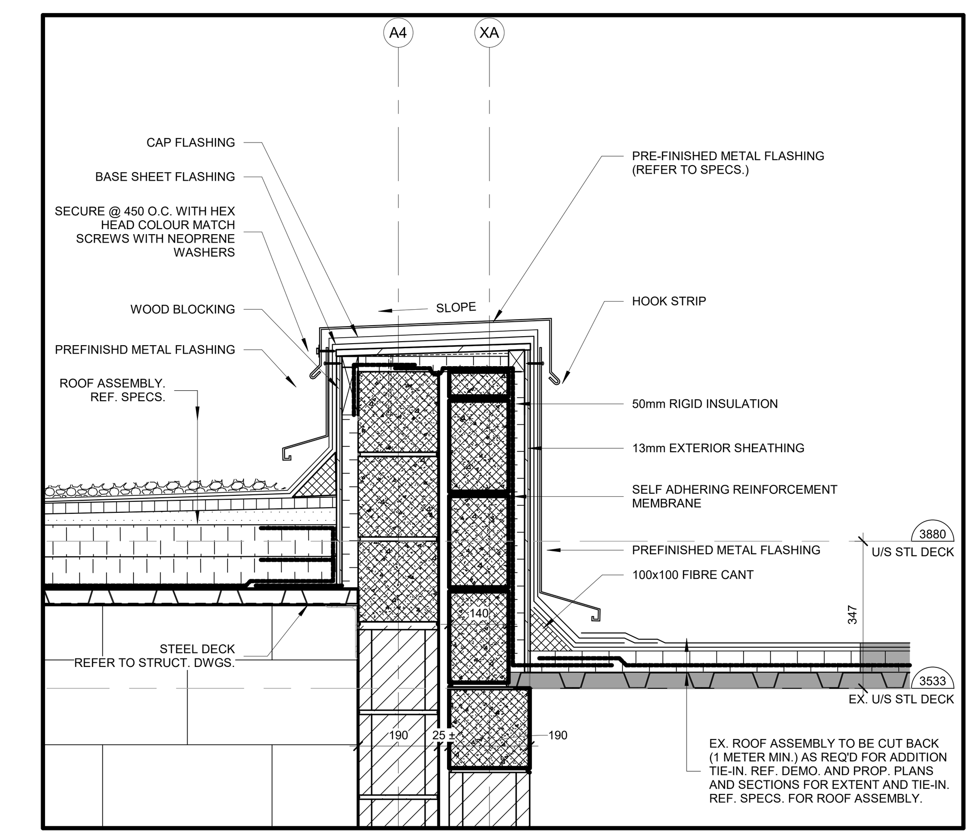

6 / A10 — *SECTION DETAIL - TOP OF WALL @ CLASSROOM ADDITION*
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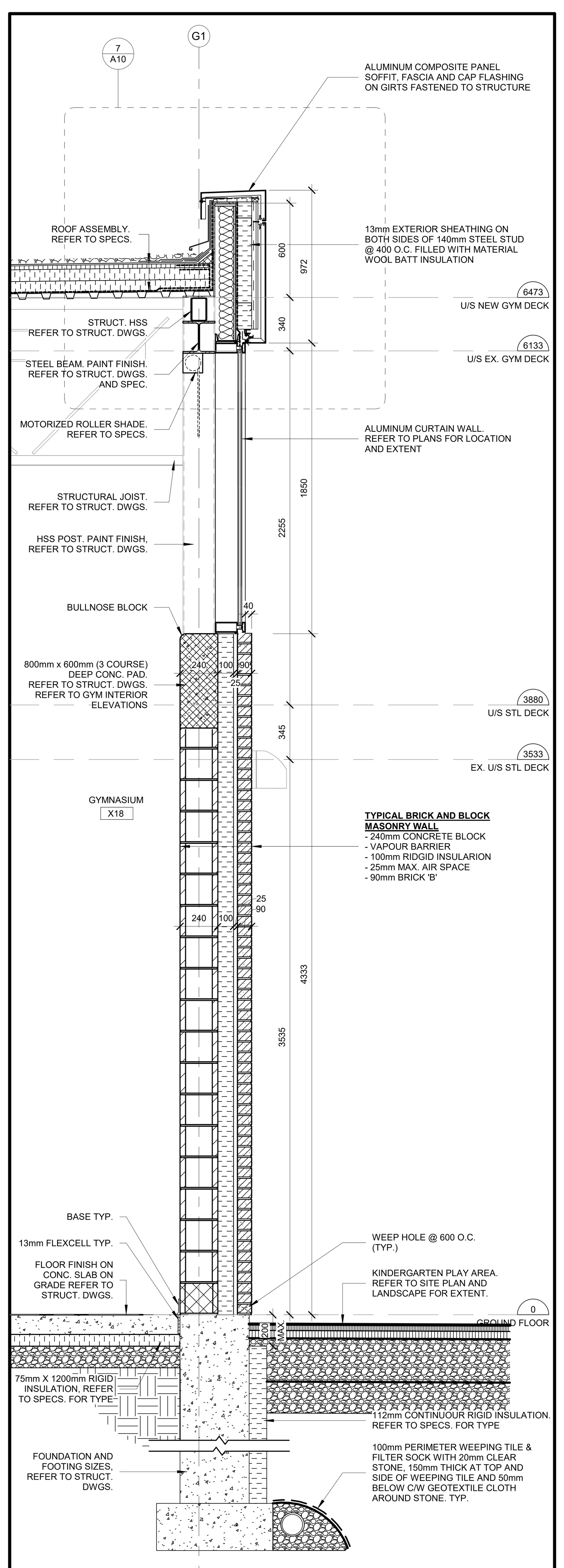

5 / A10 — *WALL SECTION @ TYPICAL EXTERIOR GYMNASIUM WALL*
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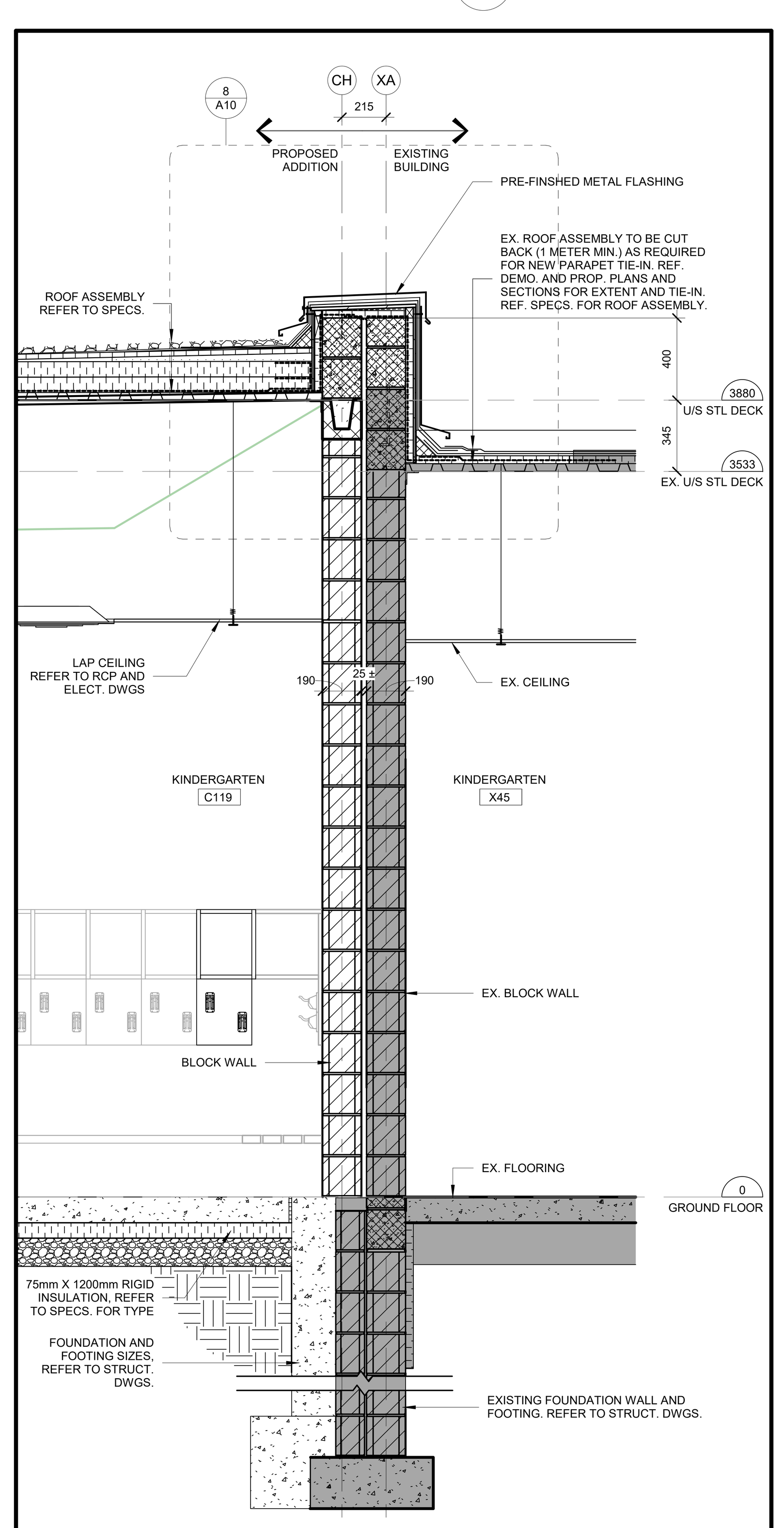
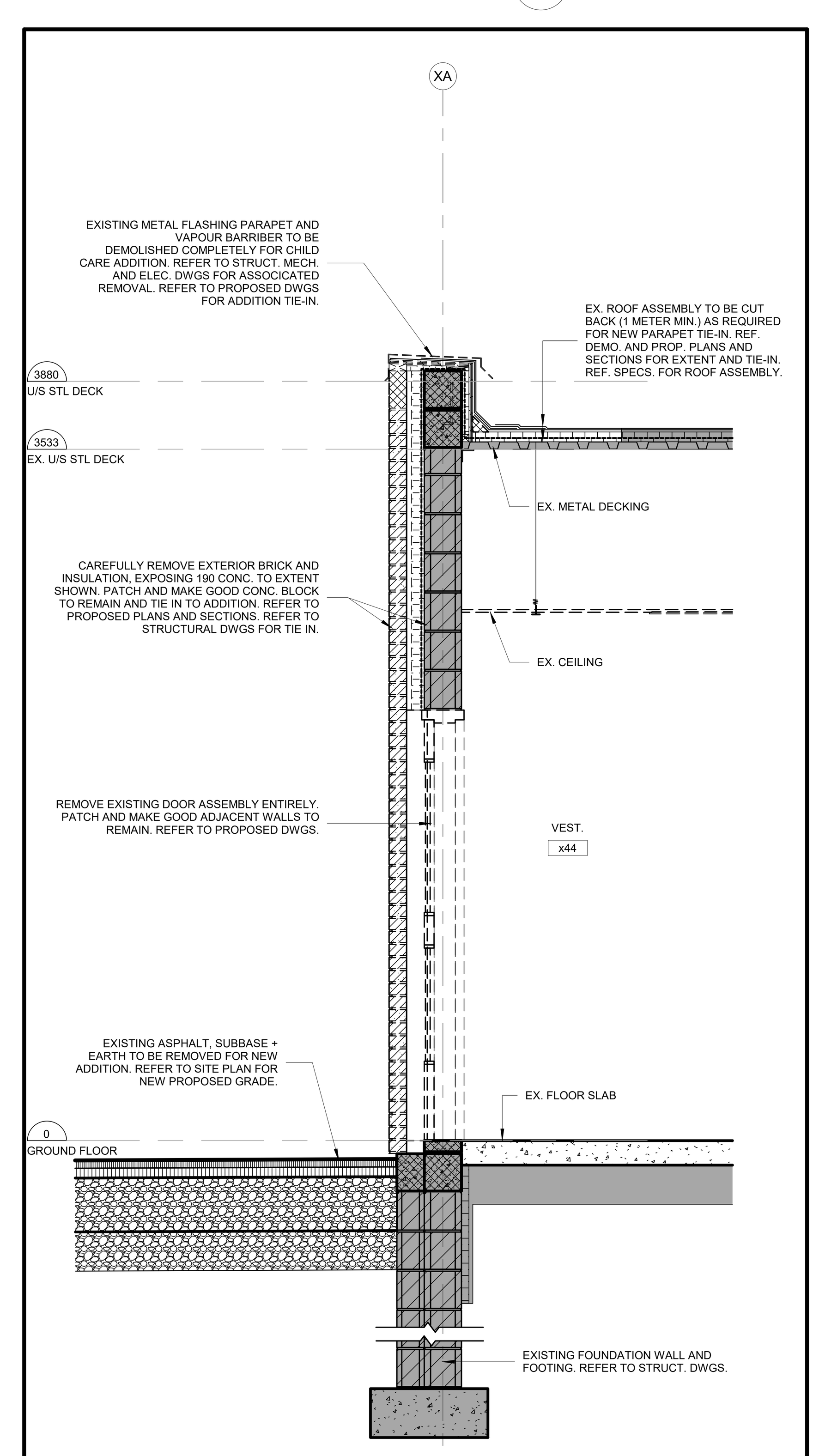
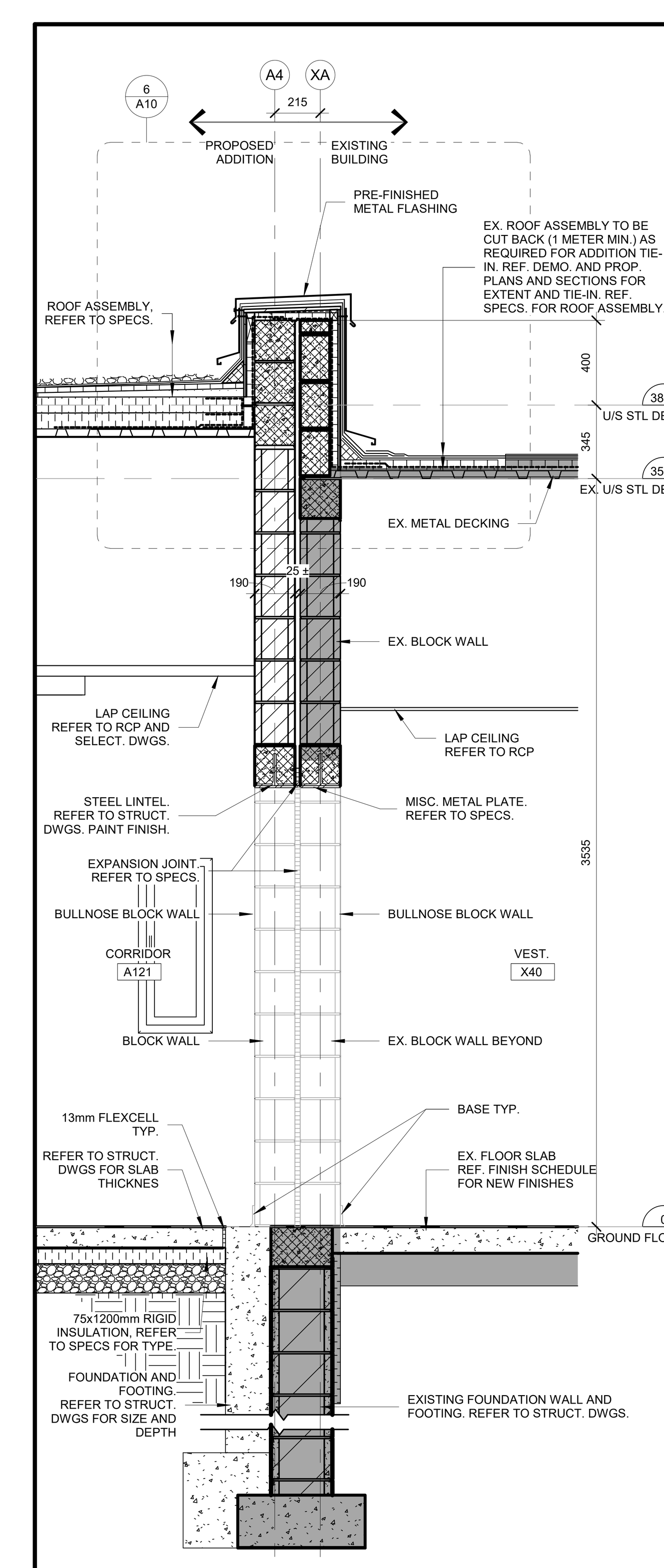


4 / A10 — *WALL SECTION ALONG GRIDLINE 'CH' & 'XA' @ 'FDK' (C119)*
SCALE: 1 : 20



3 / A10 — *WALL SECTION ALONG GRIDLINE 'XA' @ VEST. (X44) - DEMOLITION*
SCALE: 1 : 20



2 / A10 — *WALL SECTION ALONG GRIDLINE 'A4' @ VEST. (X40)*
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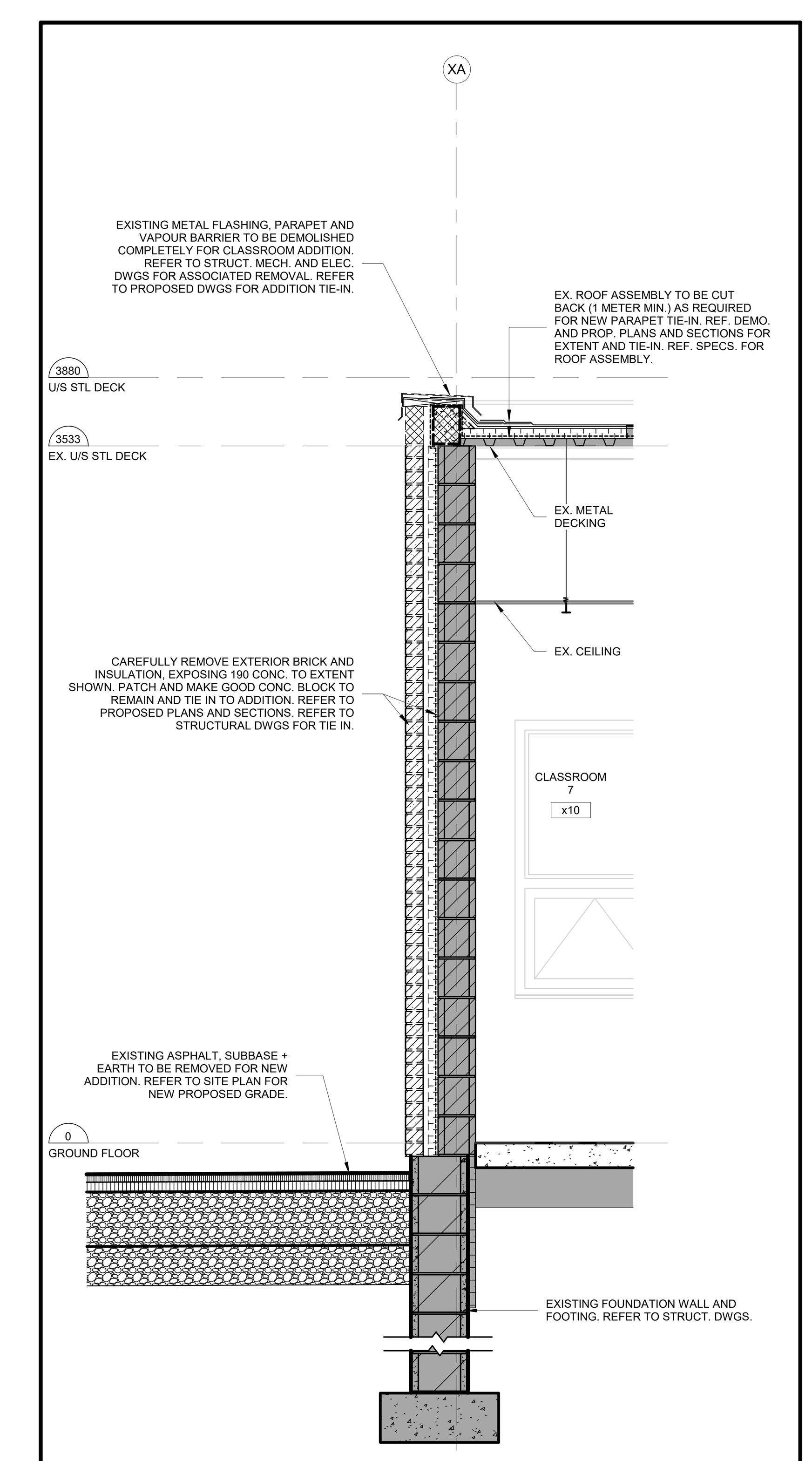

1 / A10 — *WALL SECTION @ CLASSROOM 7 X10 - DEMOLITION*
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
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1	ISSUED FOR BUILDING PERMIT	260331

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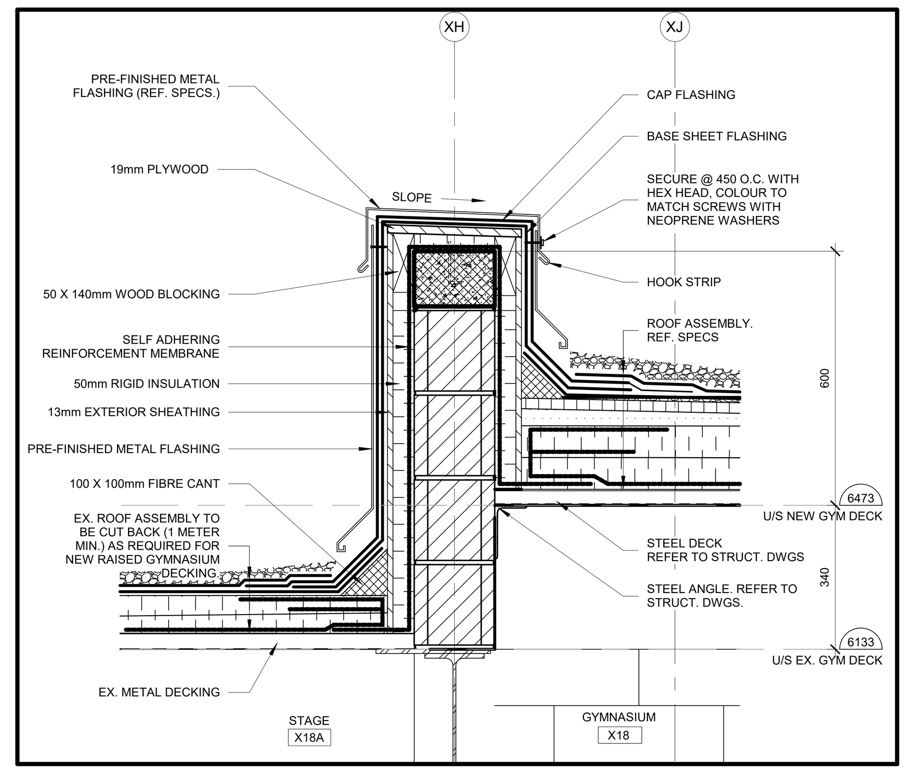
OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD
HCDSB

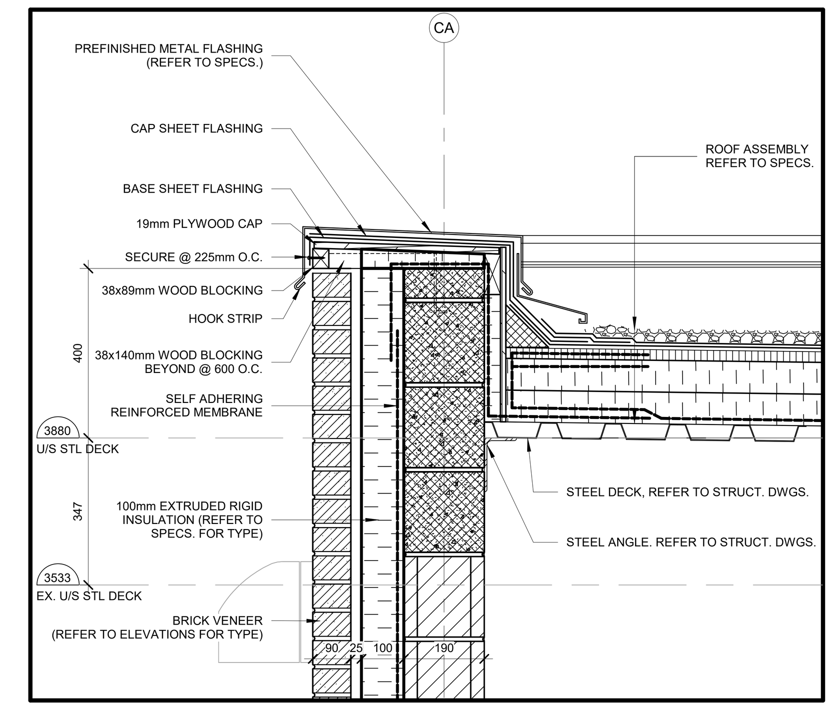
WALL SECTIONS & DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

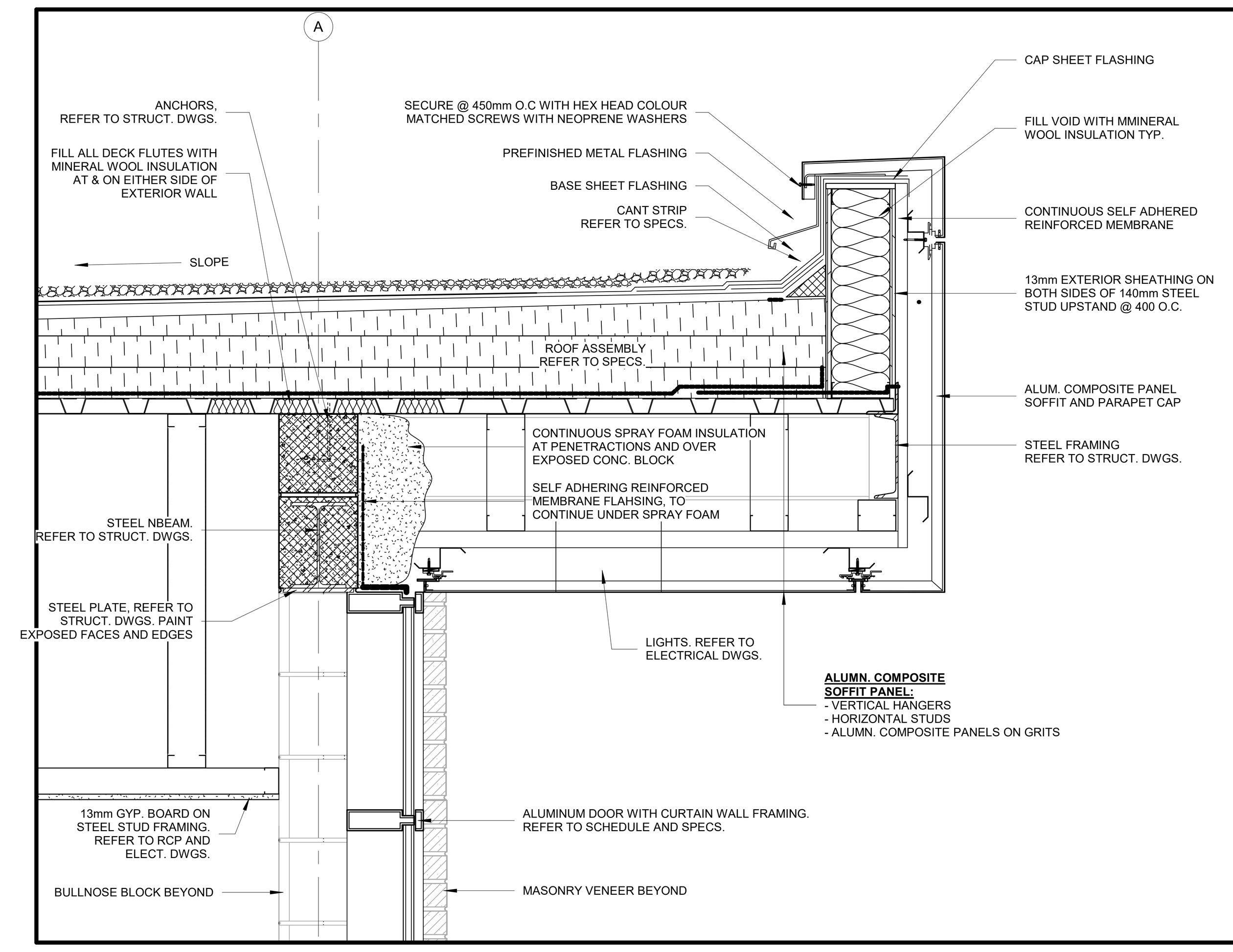
SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC	DRAWING: A10
CHECKED: JK	
PRINT DATE	2026-05-11 2:13:34 PM
REVIT FILE	T:\2025\25106\02\Revit.RVT



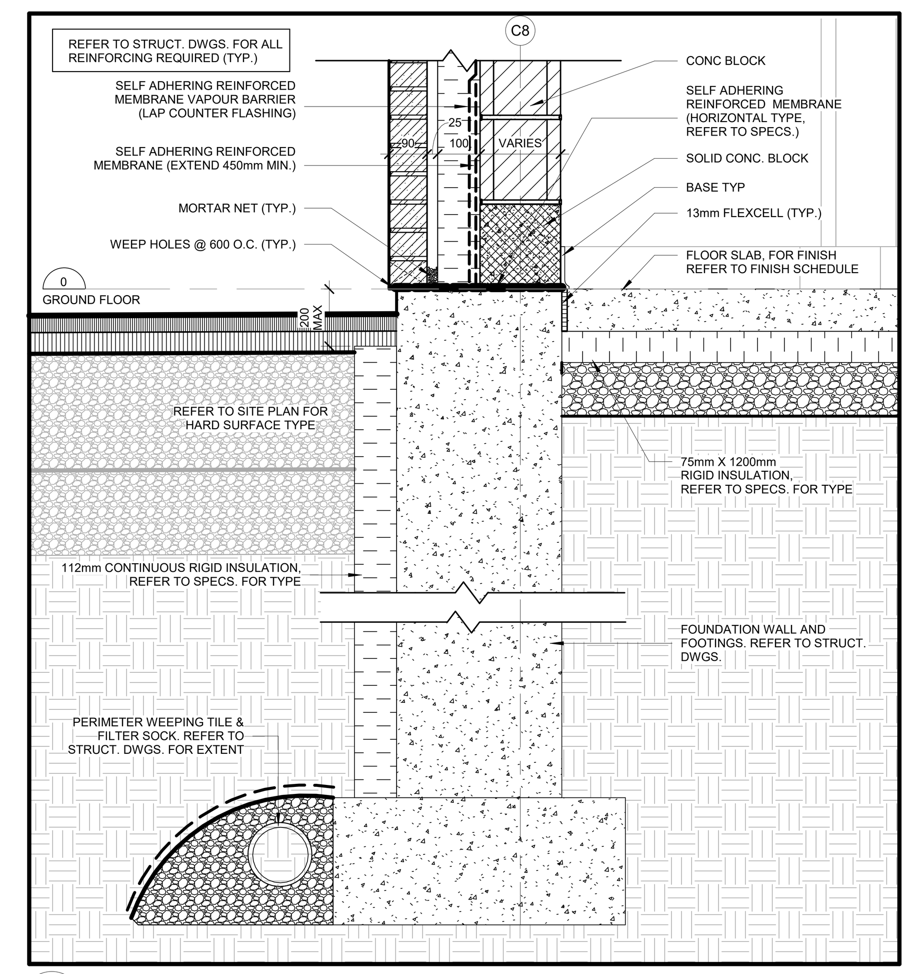
11 / A11 — *SECTION DETAIL @ GYMNASIUM AND STAGE PARAPET*
SCALE: 1 : 10



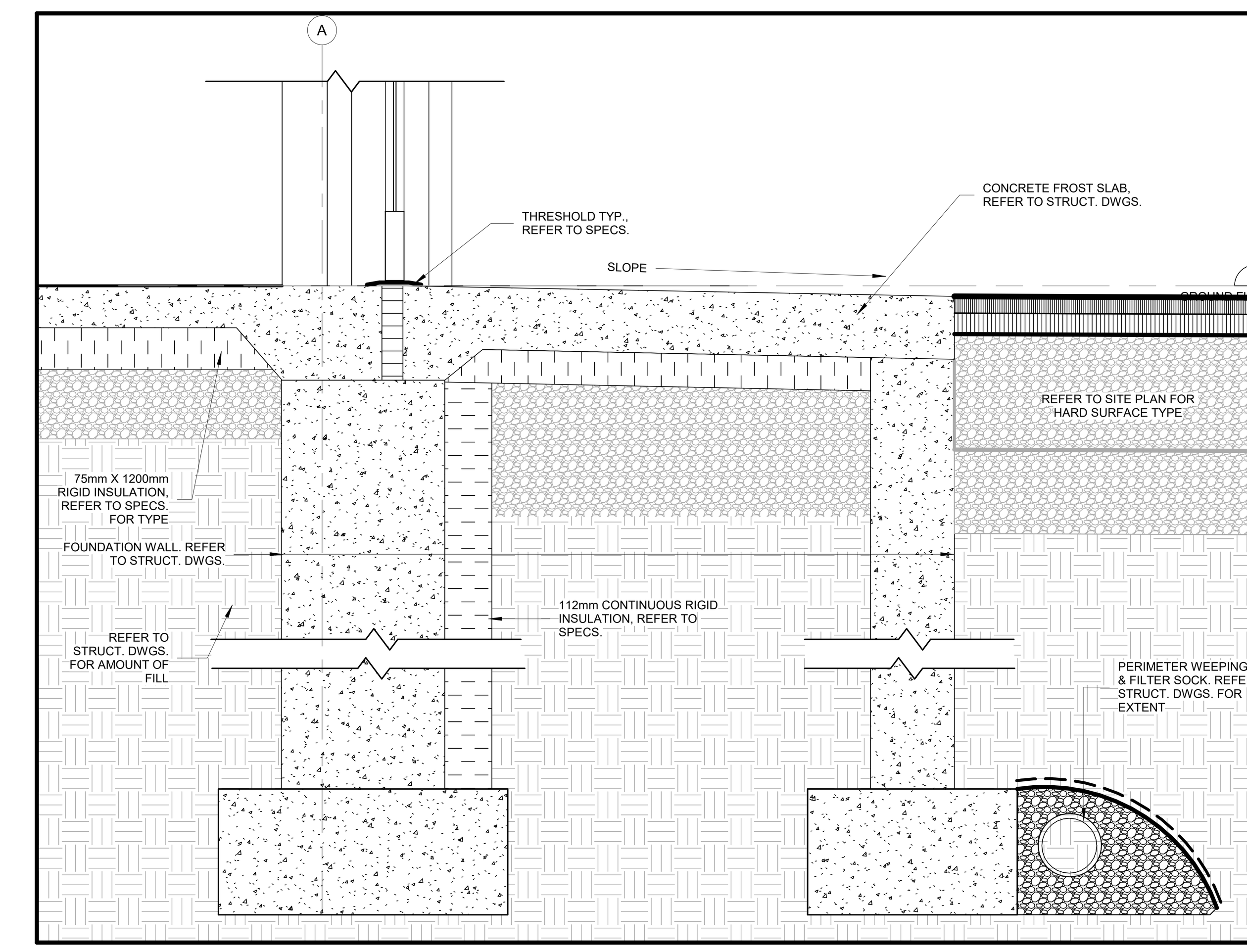
10 / A11 — *SECTION DETAIL @ TYPICAL PARAPET*
SCALE: 1 : 10



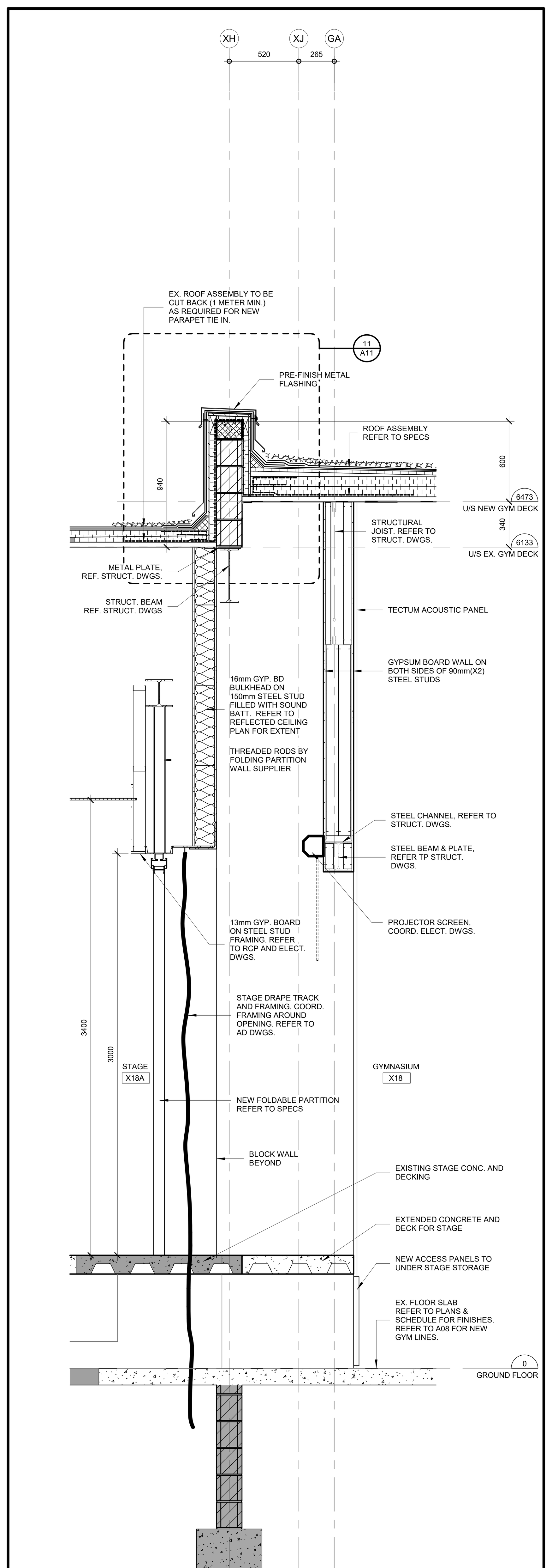
9 / A11 — *SECTION DETAIL @ VEST. A120 ENTRANCE CANOPY*
SCALE: 1 : 10



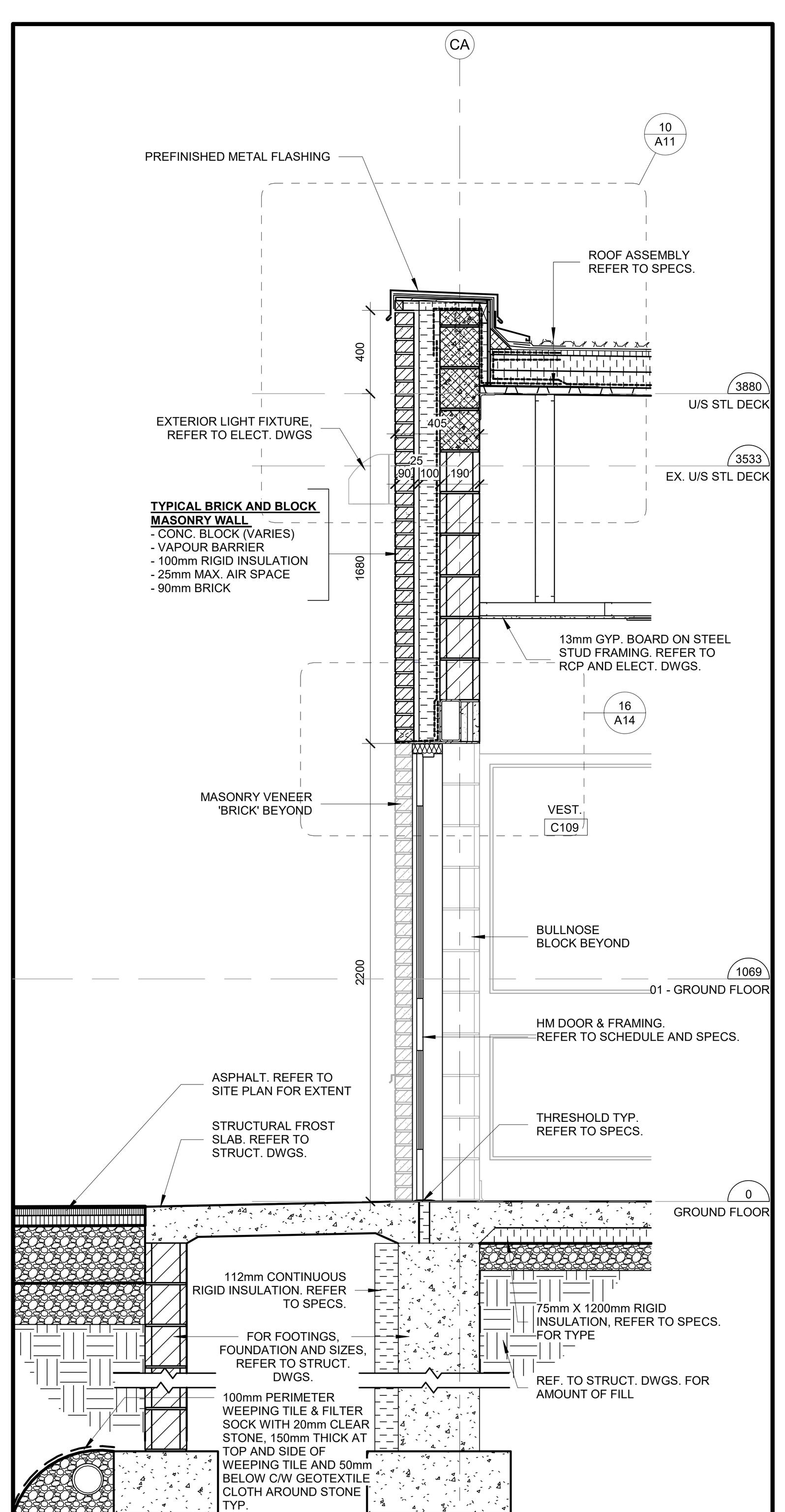
8 / A11 — *WALL SECTION @ TYPICAL EXTERIOR WALL - Callout 1*
SCALE: 1 : 10



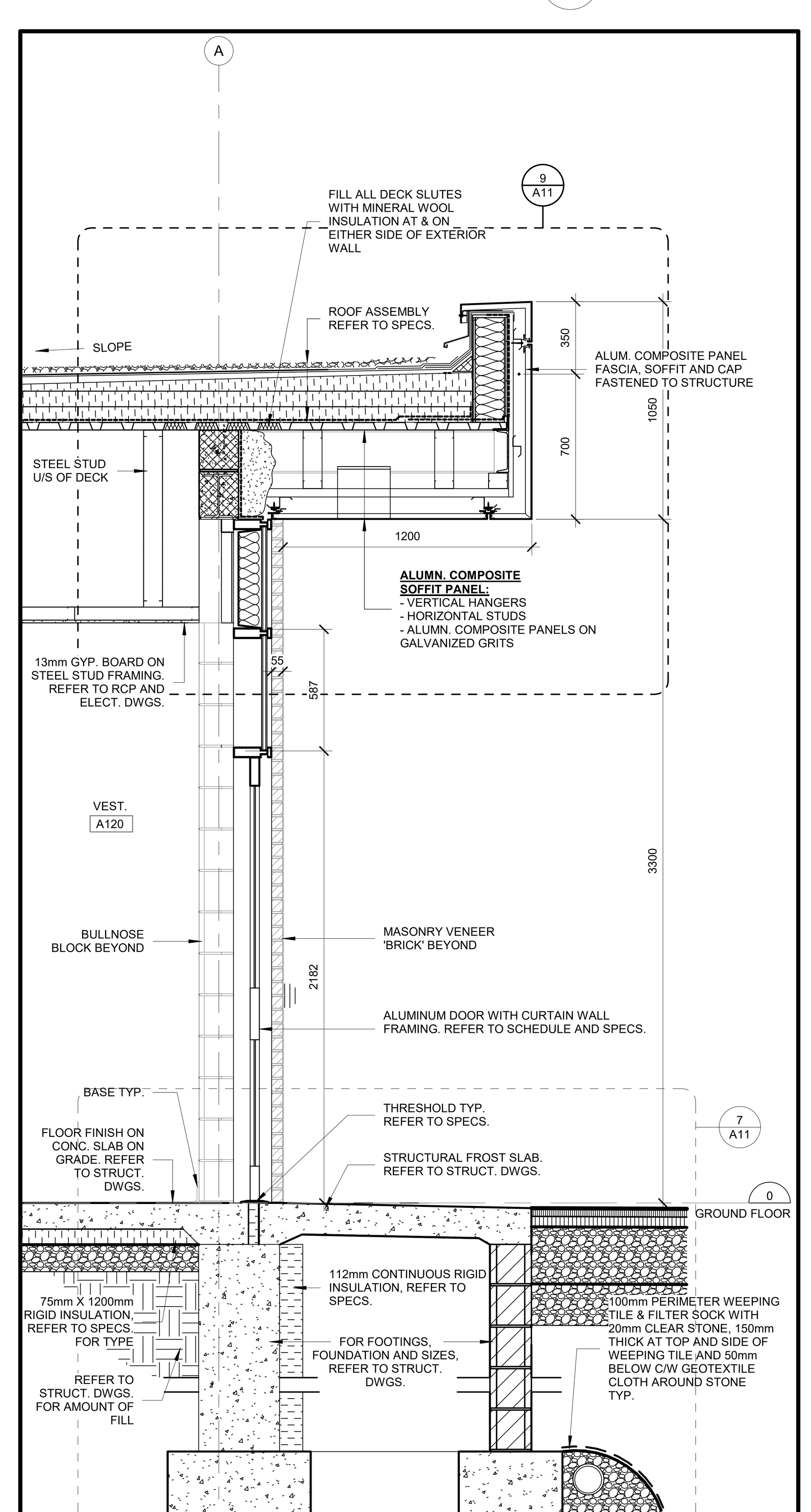
7 / A11 — *TYPICAL FOUNDATION DETAIL @ VESTIBULES*
SCALE: 1 : 10



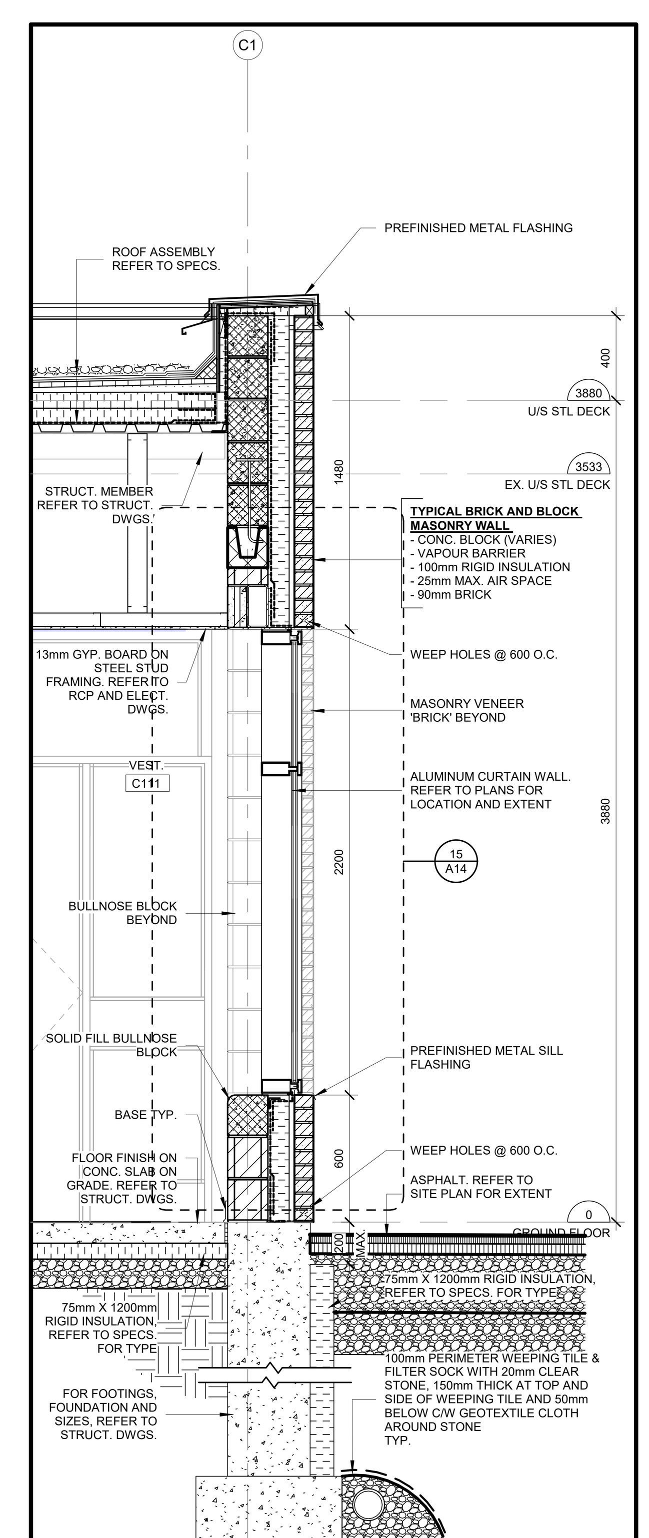
6 / A11 — *WALL SECTION @ STAGE OPENING*
SCALE: 1 : 20



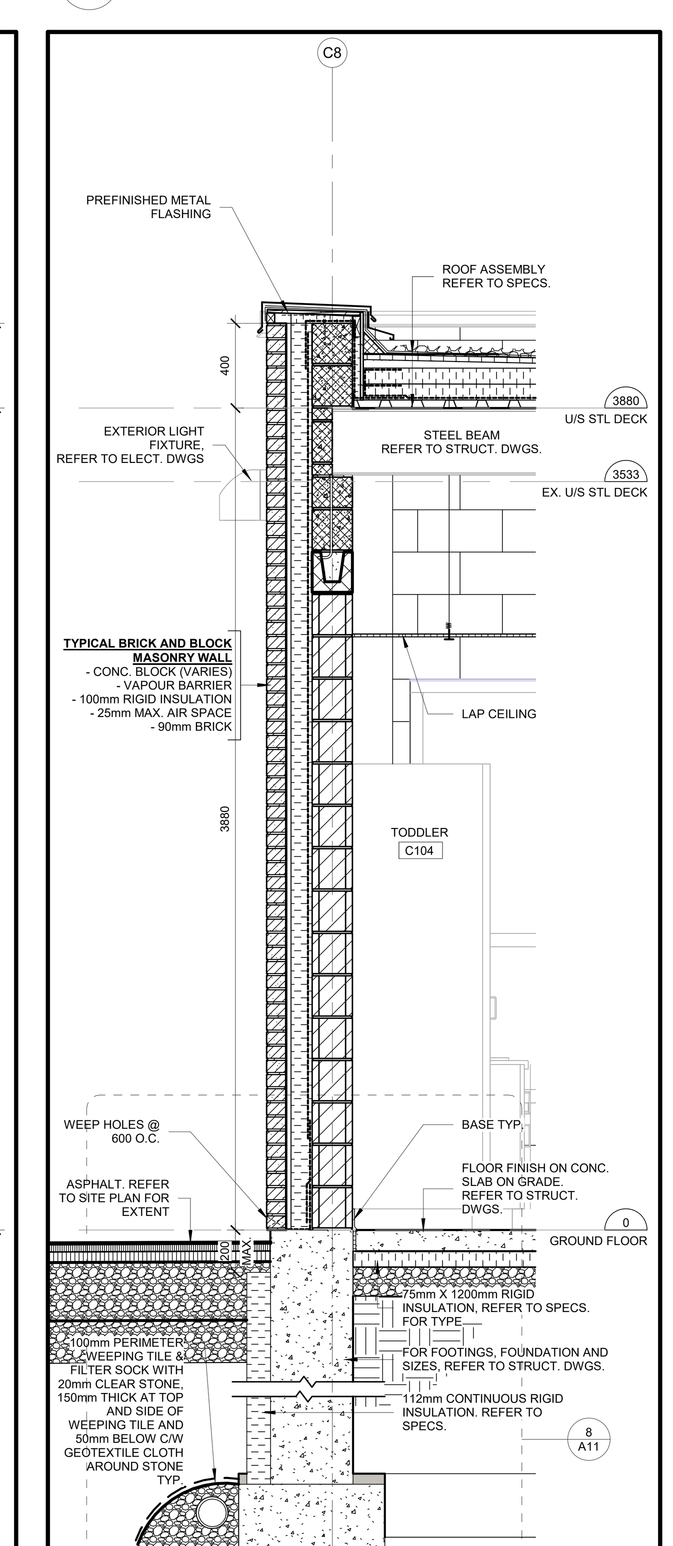
5 / A11 — *WALL SECTION @ CHILDCARE VEST. C109*
SCALE: 1 : 20



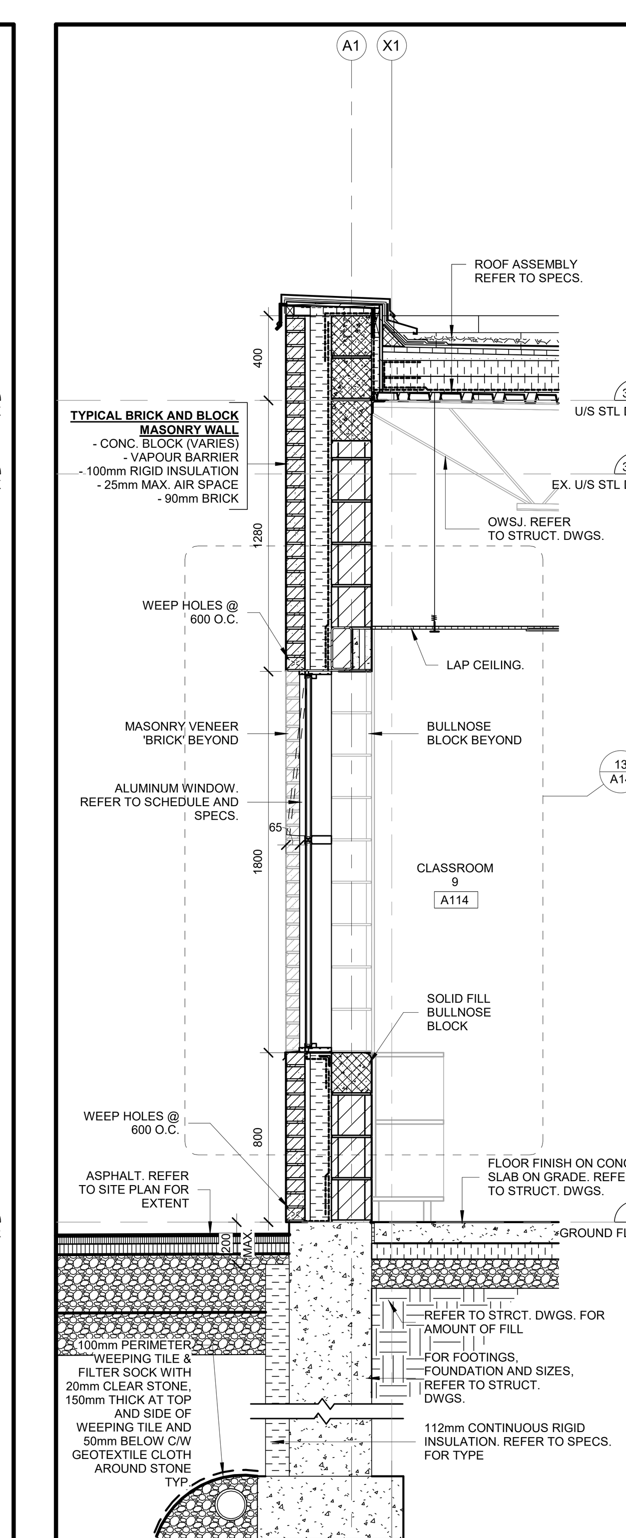
4 / A11 — *WALL SECTION @ VEST. A120 ENTRANCE CANOPY*
SCALE: 1 : 20



3 / A11 — *WALL SECTION @ VEST. C111 CURTAIN WALL*
SCALE: 1 : 20



2 / A11 — *WALL SECTION @ TYPICAL EXTERIOR WALL*
SCALE: 1 : 20



1 / A11 — *WALL SECTION @ TYPICAL EXTERIOR WINDOW*
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053
CERTIFICATE OF PRACTICE #4292

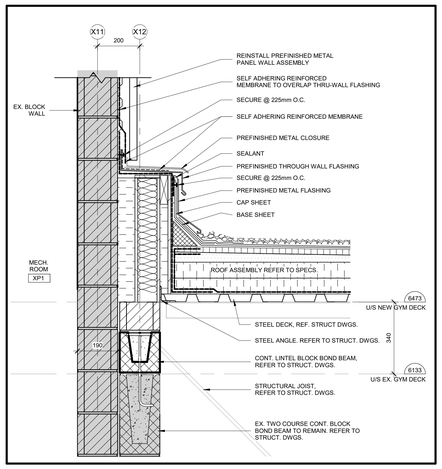
OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD — CDSB

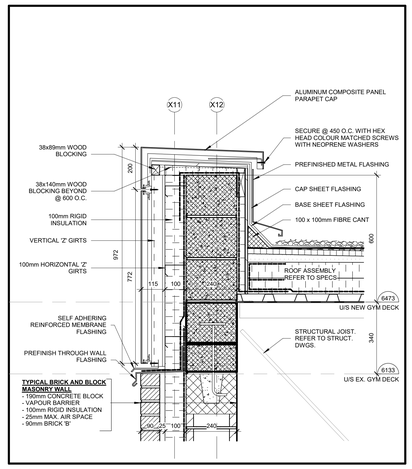
WALL SECTIONS & DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

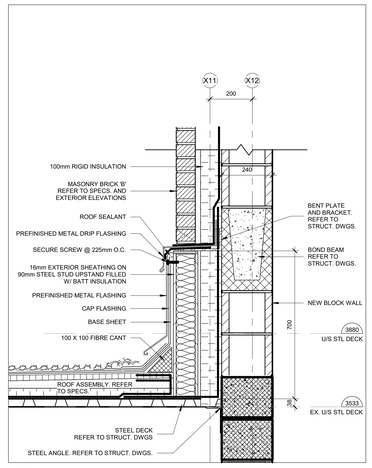
SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC	DRAWING: A11
CHECKED: JK	
PRINT DATE	2026-05-11 1:27:45 PM
REVIT FILE	T:\2025\25106\02\Revit.RVT



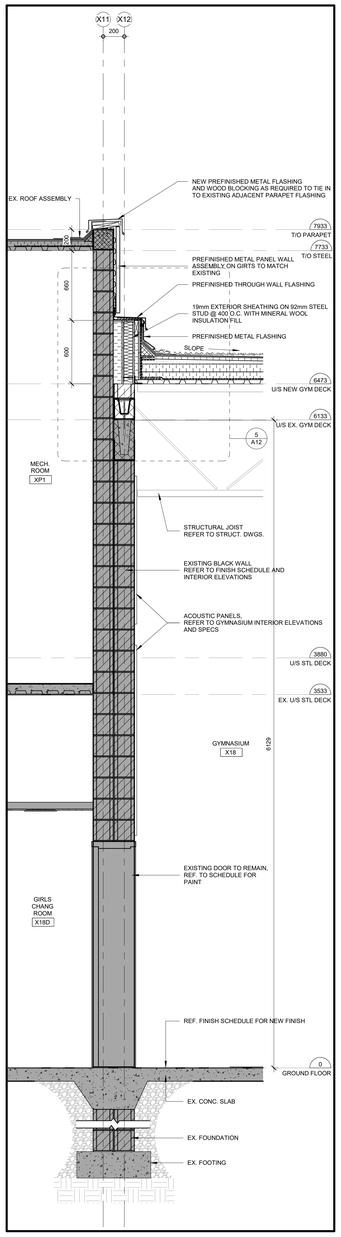
5 / A12 WALL SECTION @ GYM & MECH. ROOM - EXISTING - Callout 1
SCALE: 1 : 10



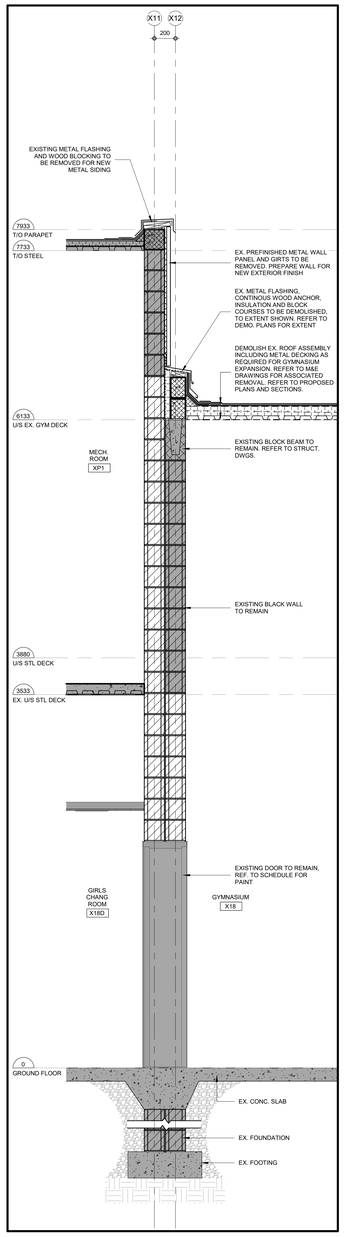
2 / A12 SECTION DETAIL @ COMPOSITE PANEL / BRICK VENEER INTERFACE
SCALE: 1 : 10



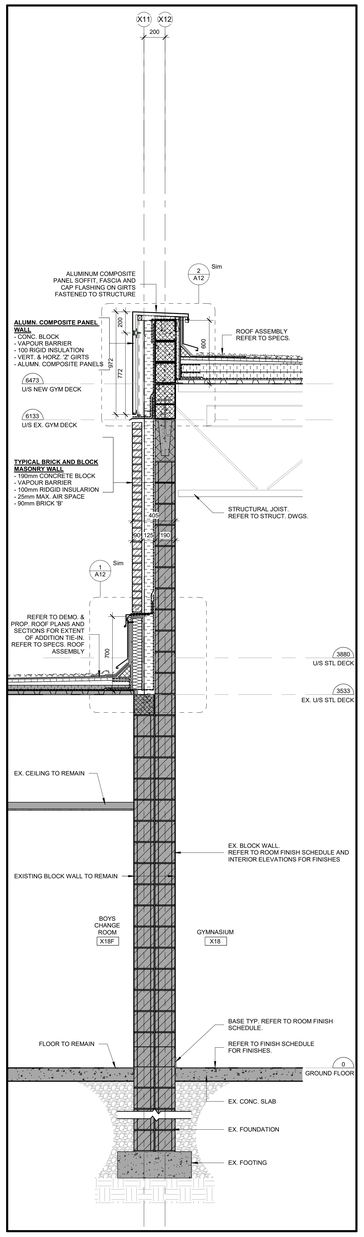
1 / A12 SECTION DETAIL @ BRICK/ ROOF UPTURN ASSEMBLY
SCALE: 1 : 10



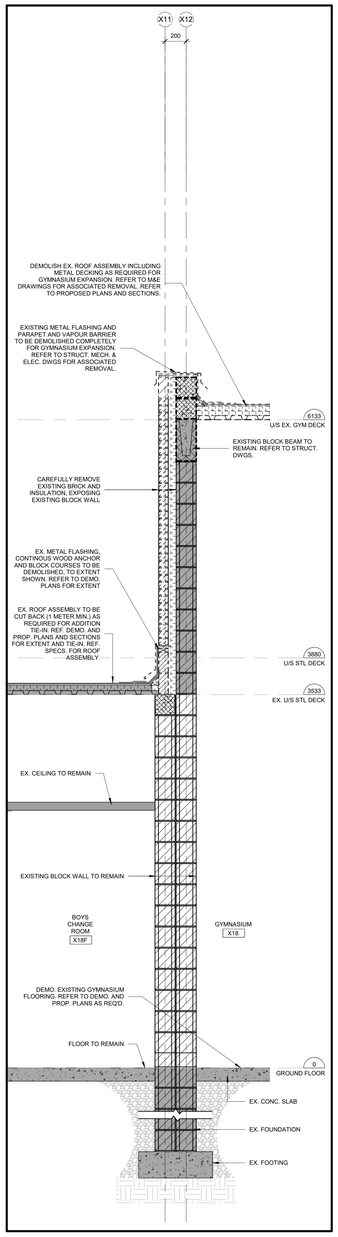
3 / A12 WALL SECTION @ GYM & MECH. ROOM - EXISTING
SCALE: 1 : 20



4 / A12 WALL SECTION @ GYM & MECH. ROOM - DEMOLITION
SCALE: 1 : 20



9 / A12 WALL SECTION @ GYM AND BOYS CHANGE ROOM
SCALE: 1 : 20



8 / A12 WALL SECTION @ GYM AND BOYS CHANGE ROOM - DEMOLITION
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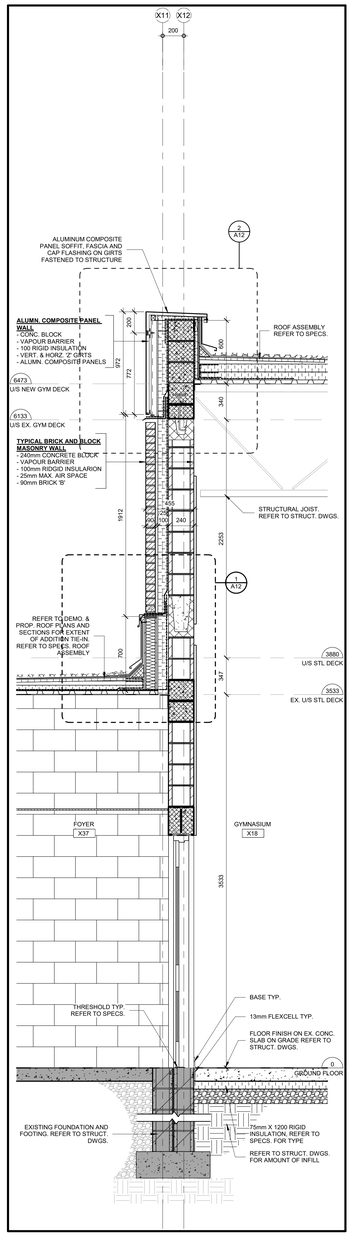
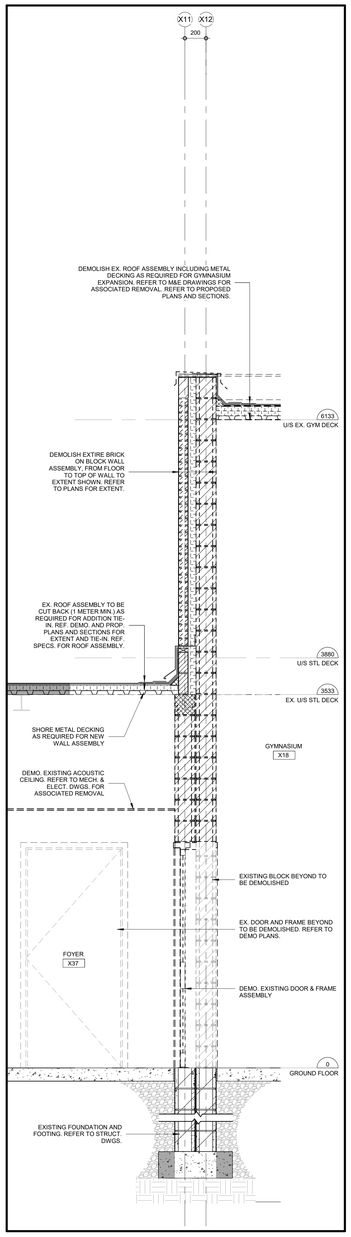


10 / A12 WALL SECTION @ GYM INTERIOR DOOR
SCALE: 1 : 20



11 / A12 WALL SECTION @ GYM INTERIOR DOOR - DEMOLITION
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADUCEUR
LICENCE 5053

CERTIFICATE OF PRACTICE #4292

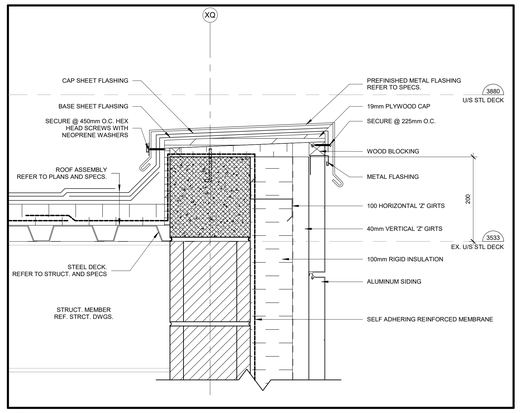
OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

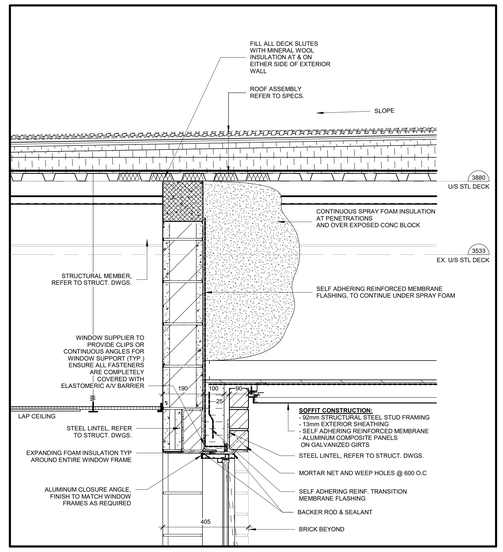
WALL SECTIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 5V8
(905) 815-8288 admin@hossackarch.com

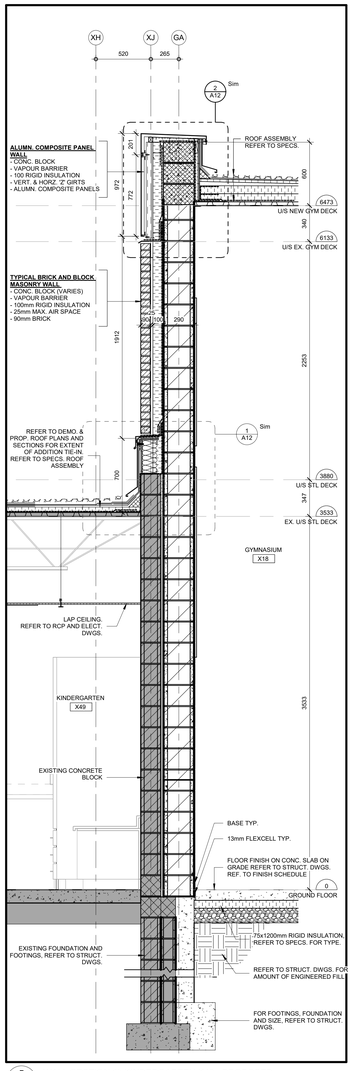
SCALE As indicated	PROJECT 25106
DATE MAY 2026	
DRAWN TC	DRAWING A12
CHECKED JK	
PRINT DATE	2026-05-11 1:46:28 PM
REVIT FILE	T:\2020\25106\02\Revit\.RVT



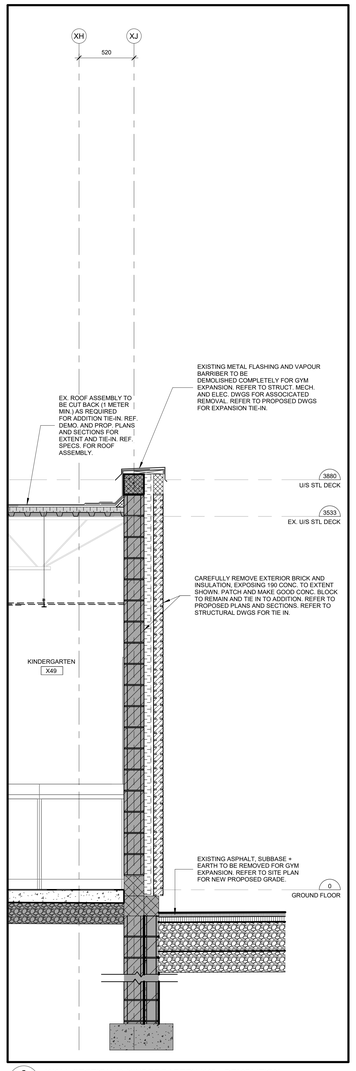
8 / A13 SECTION DETAIL @ ALUMN. SIDING PARAPET
SCALE: 1 : 5



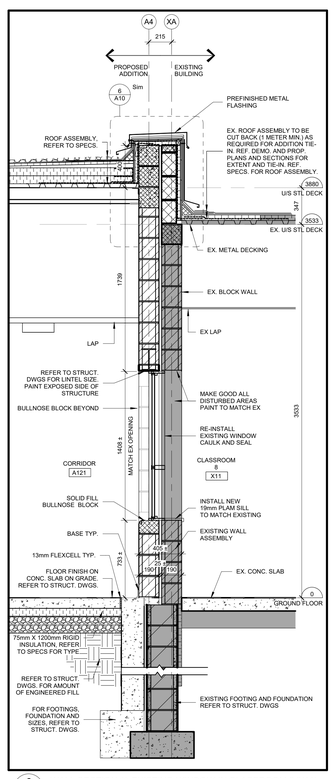
7 / A13 SECTION DETAIL @ VEST. C103 ENTRANCE CANOPY - Callout 1
SCALE: 1 : 10



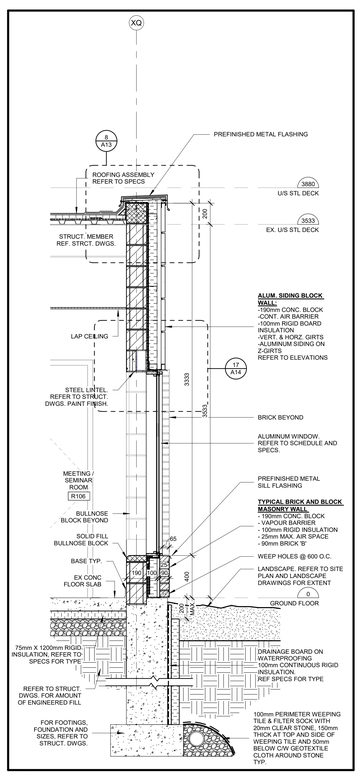
5 / A13 WALL SECTION @ KINDERGARTEN X49 - PROPOSED
SCALE: 1 : 20



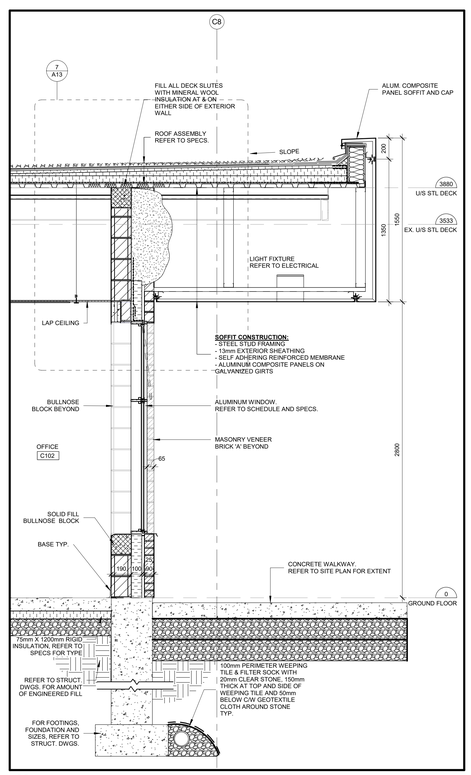
3 / A13 WALL SECTION @ KINDERGARTEN X49 - DEMOLITION
SCALE: 1 : 20



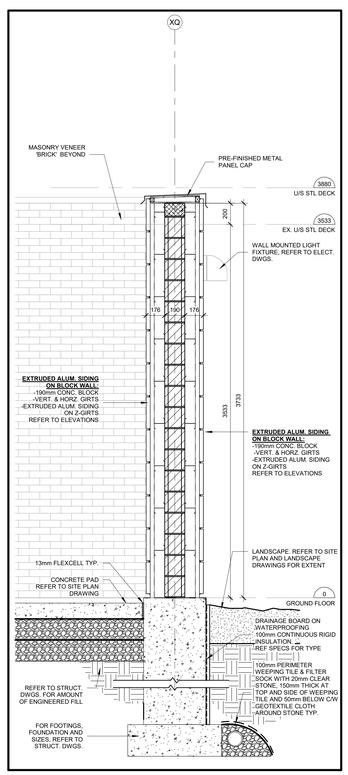
6 / A13 WALL SECTION @ EXISTING WINDOW IN CLASSROOM 8 'X11'
SCALE: 1 : 20



4 / A13 WALL SECTION @ MEETING/SEMINAR ROOM R106
SCALE: 1 : 20



2 / A13 WALL SECTION @ VEST. C103 ENTRANCE CANOPY
SCALE: 1 : 20



1 / A13 WALL SECTION @ EXTERIOR STORAGE
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

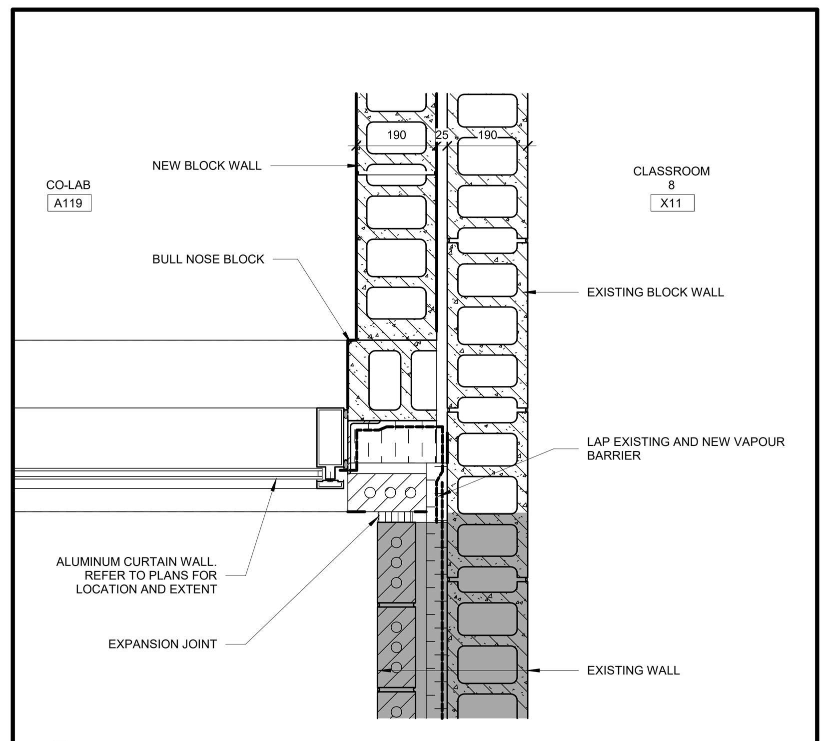
OUR LADY OF VICTORY CES ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

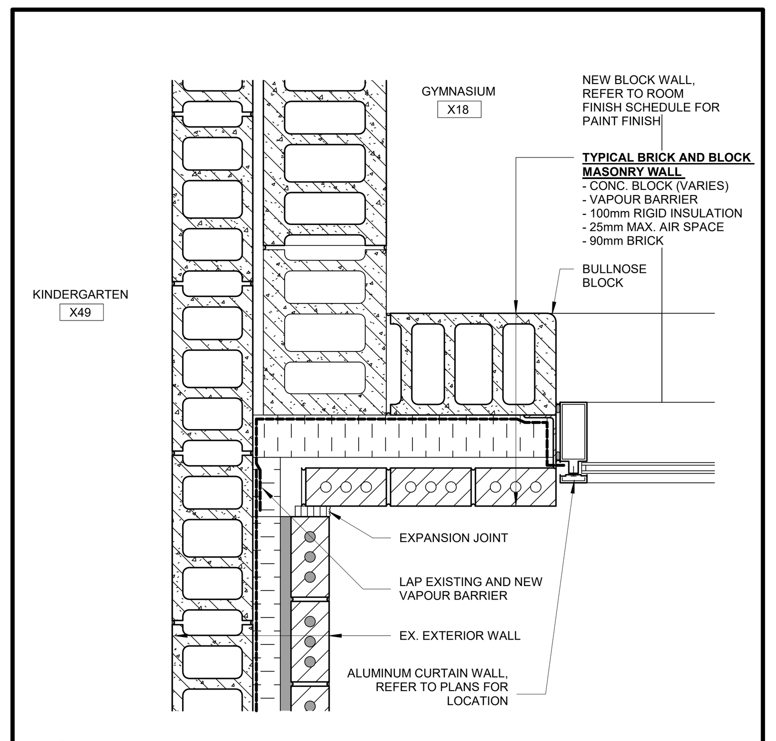
WALL SECTIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
ABBOTSFORD, BC V2S 0Y4
(855)-852-6339 info@hossackarch.com

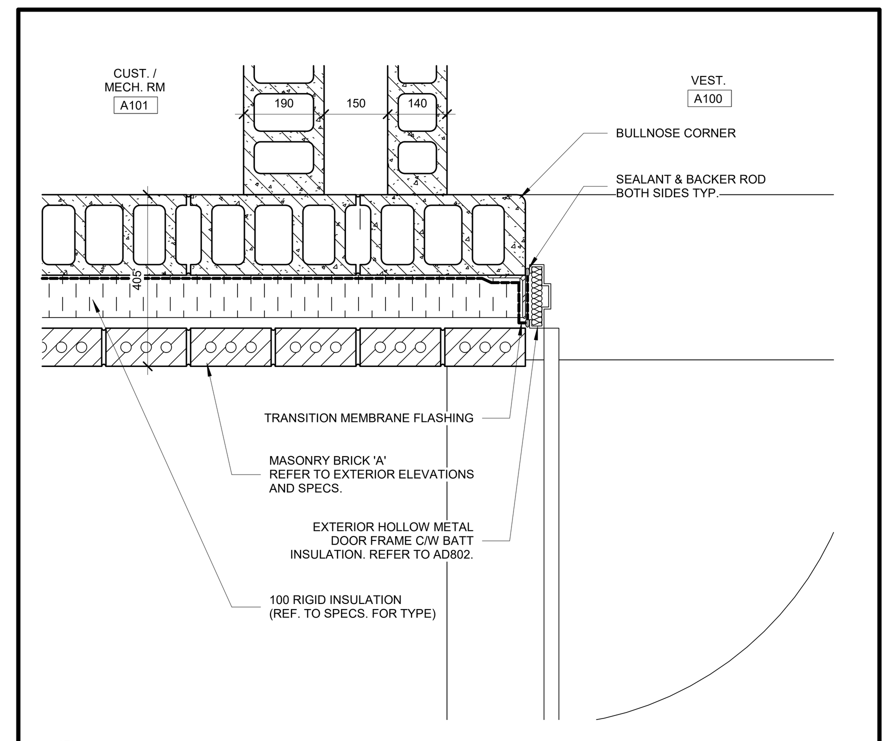
SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC	DRAWING: A13
CHECKED: JK	
PRINT DATE: 2026-05-11 1:54:18 PM	
REVIT FILE: T:\2025\25106\02\Revit\	



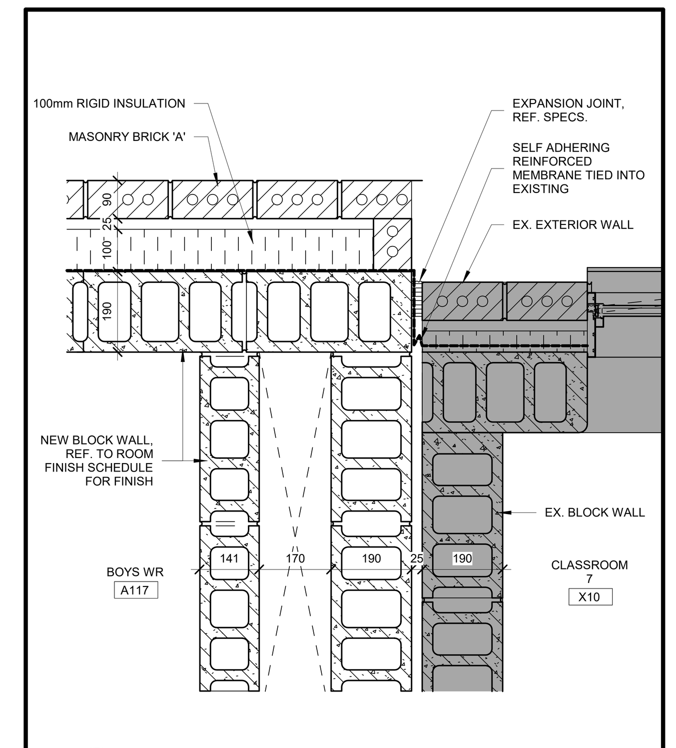
6 / A14 CURTAIN WALL JAMB @ BRICK VENEER ASSEMBLY
SCALE: 1 : 10



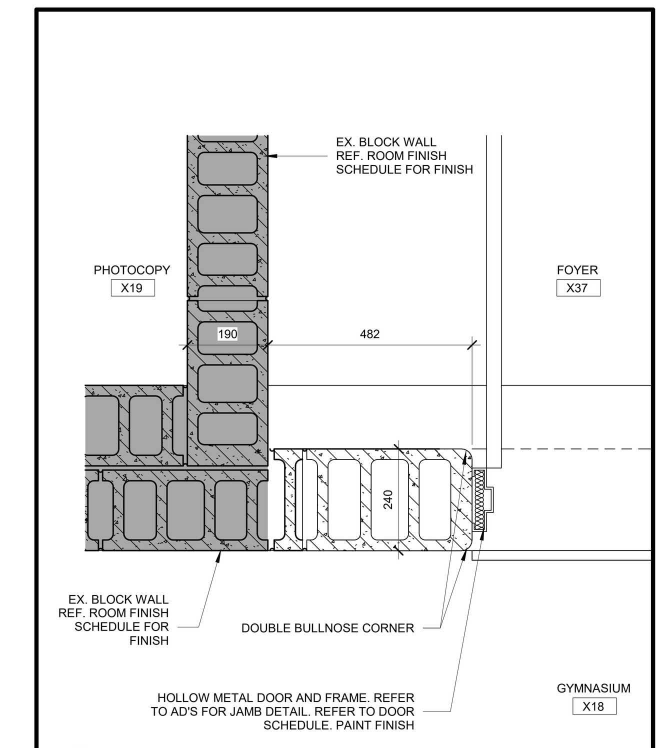
5 / A14 PLAN DETAIL - EXTERIOR EXPANSION JOINT @ GYMNASIUM
SCALE: 1 : 10



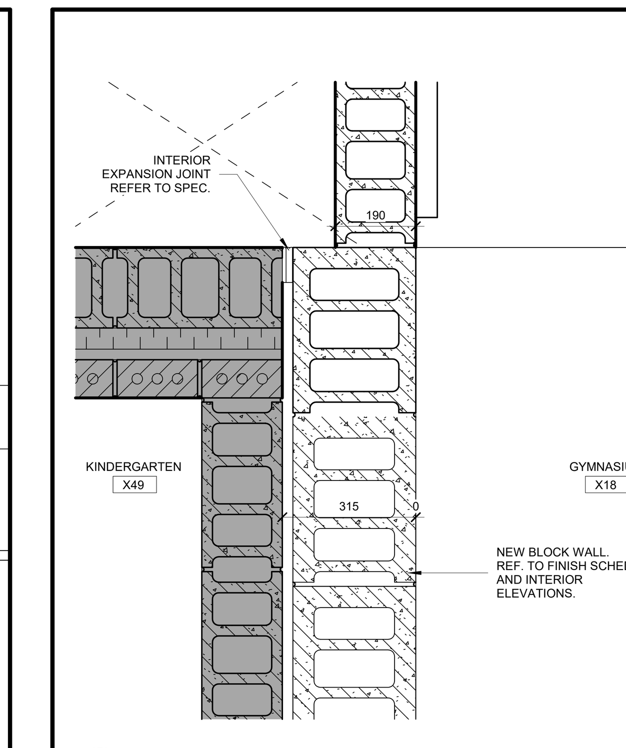
4 / A14 PLAN DETAIL - HM DOOR JAMB @ BRICK VENEER
SCALE: 1 : 10



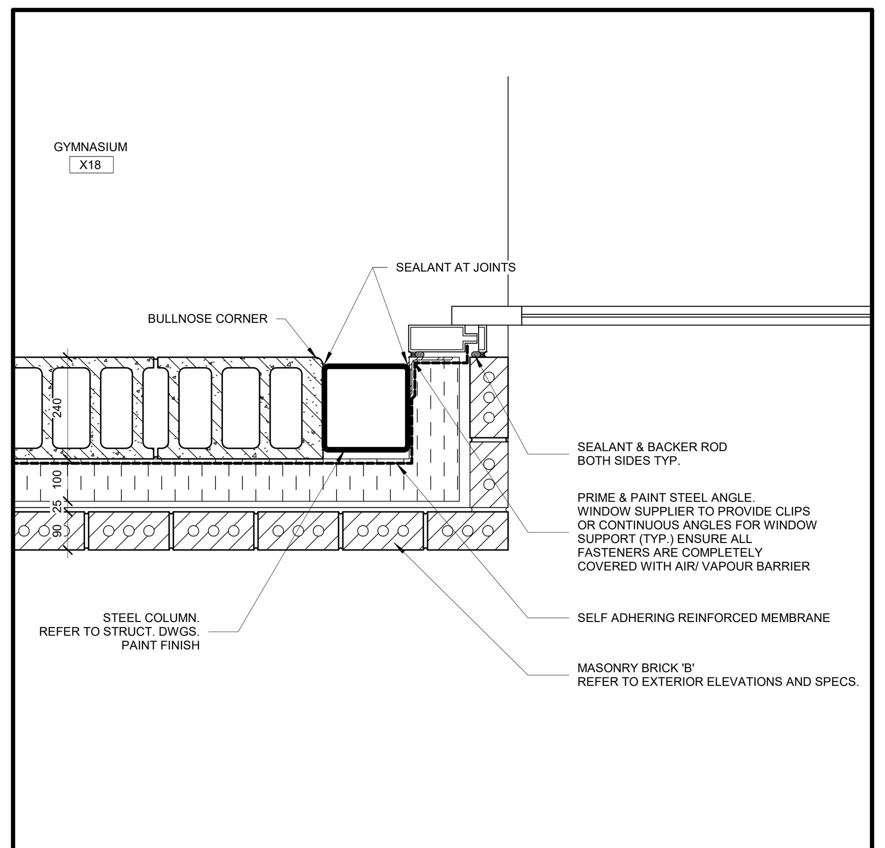
3 / A14 PLAN DETAIL @ CLASSROOM ADDITION
SCALE: 1 : 10



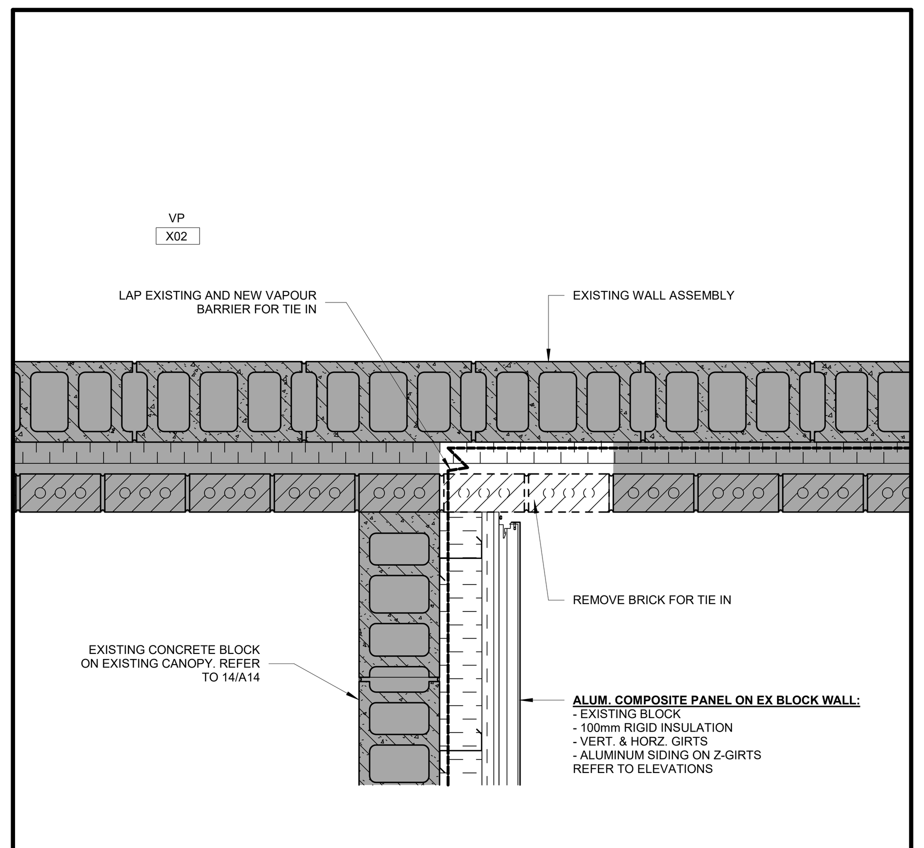
2 / A14 PLAN DETAIL - EXTERIOR DOOR JAMB IN GYMNASIUM
SCALE: 1 : 10



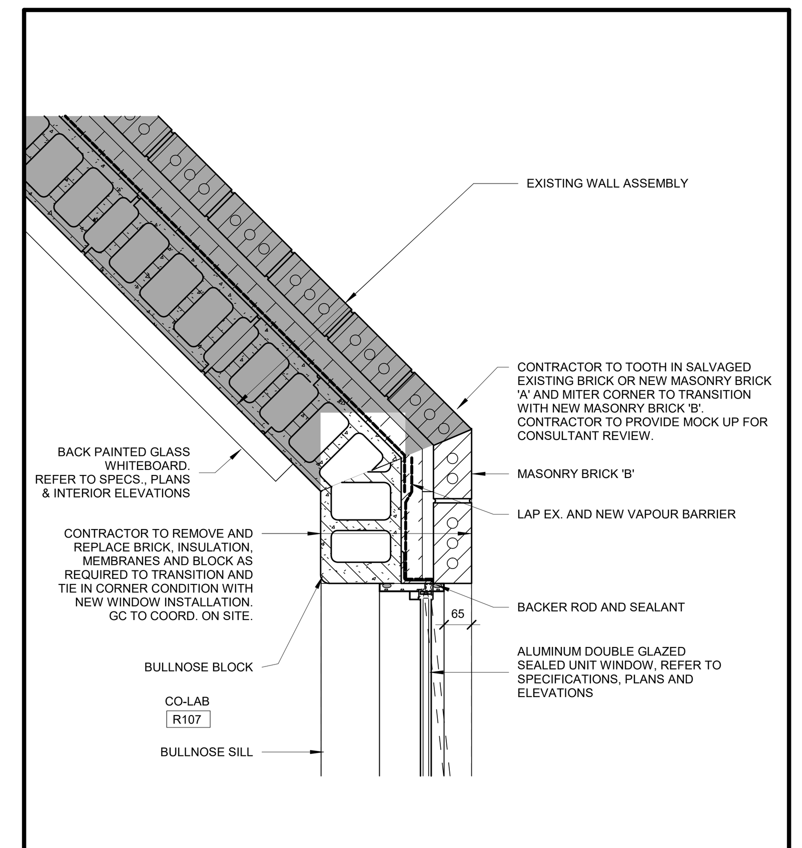
1 / A14 PLAN DETAIL - EXPANSION JOINT INTERIOR
SCALE: 1 : 10



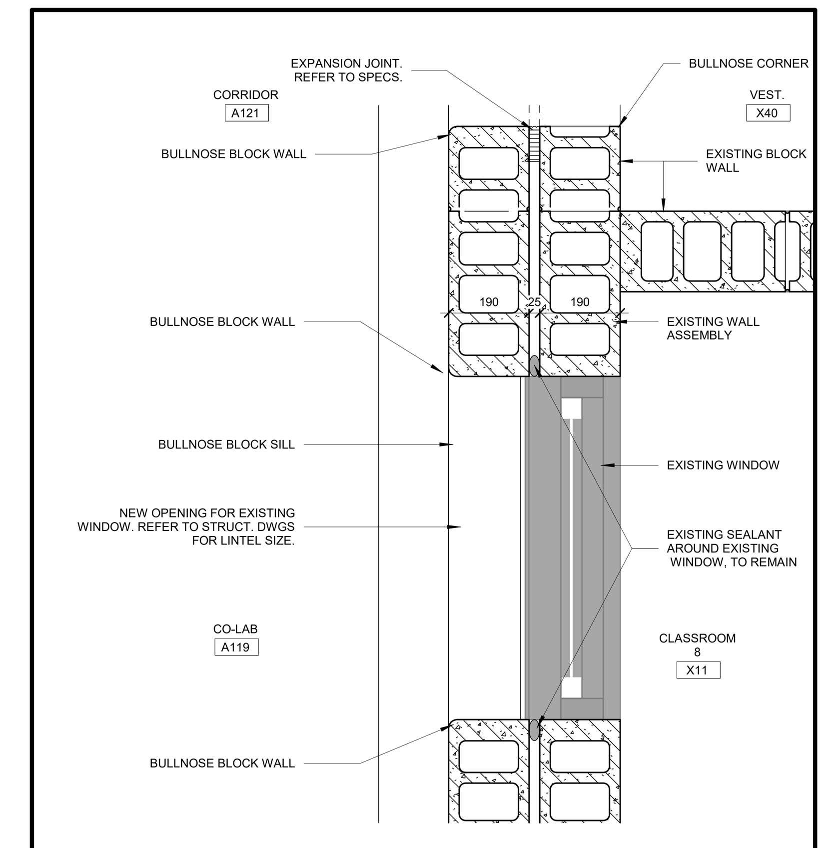
12 / A14 PROPOSED GROUND FLOOR - GYM ADDITION B - Callout 2
SCALE: 1 : 10



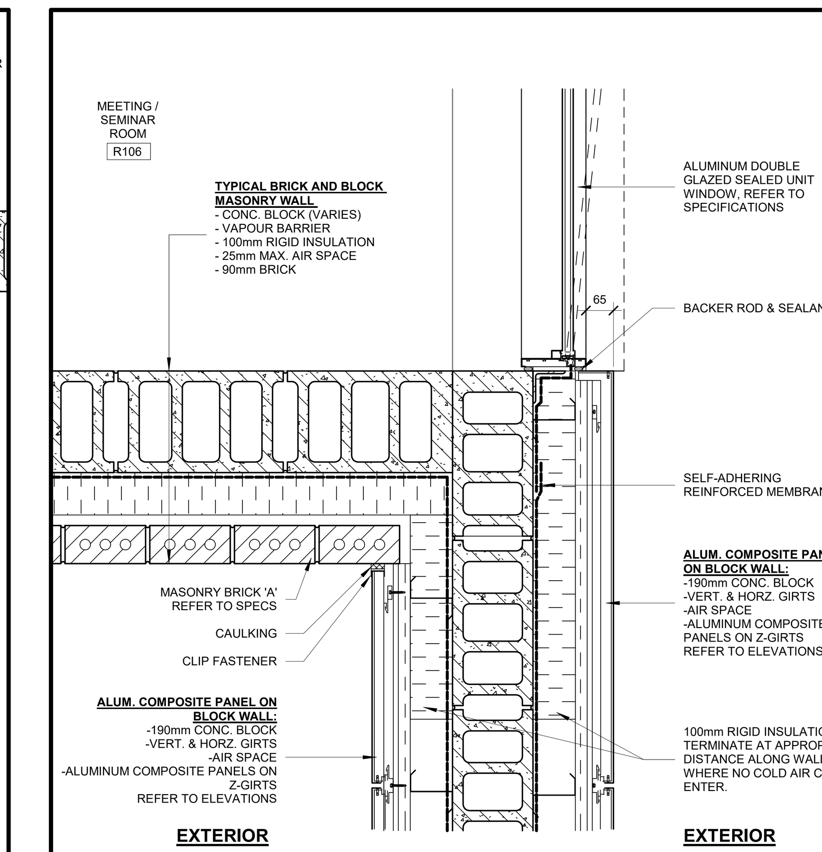
10 / A14 PLAN DETAIL - ALUMINUM COMPOSITE PANEL @ EXISTING BRICK
SCALE: 1 : 10



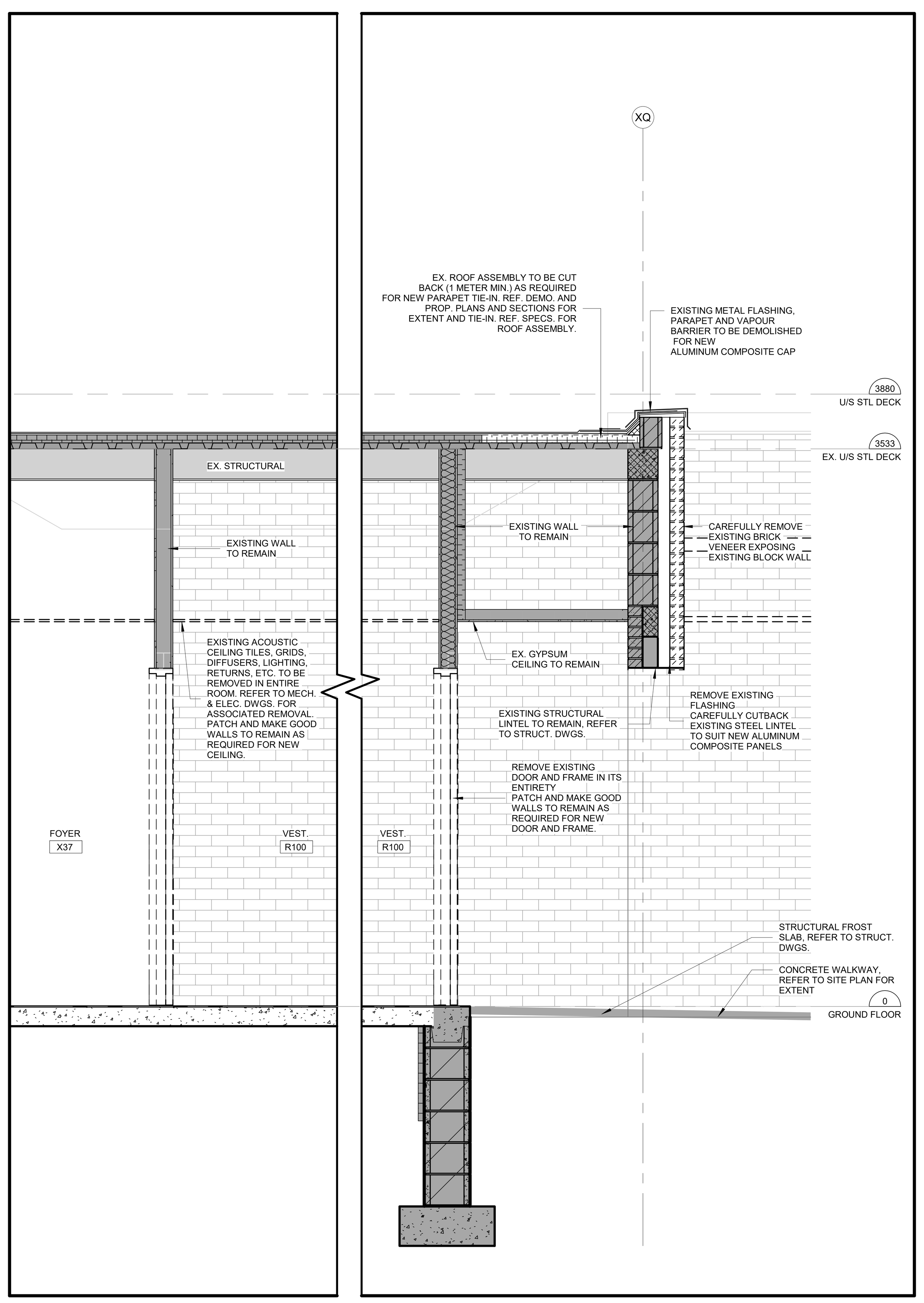
9 / A14 PLAN DETAIL - EXTERIOR WALL AT MAIN ENTERANCE
SCALE: 1 : 10



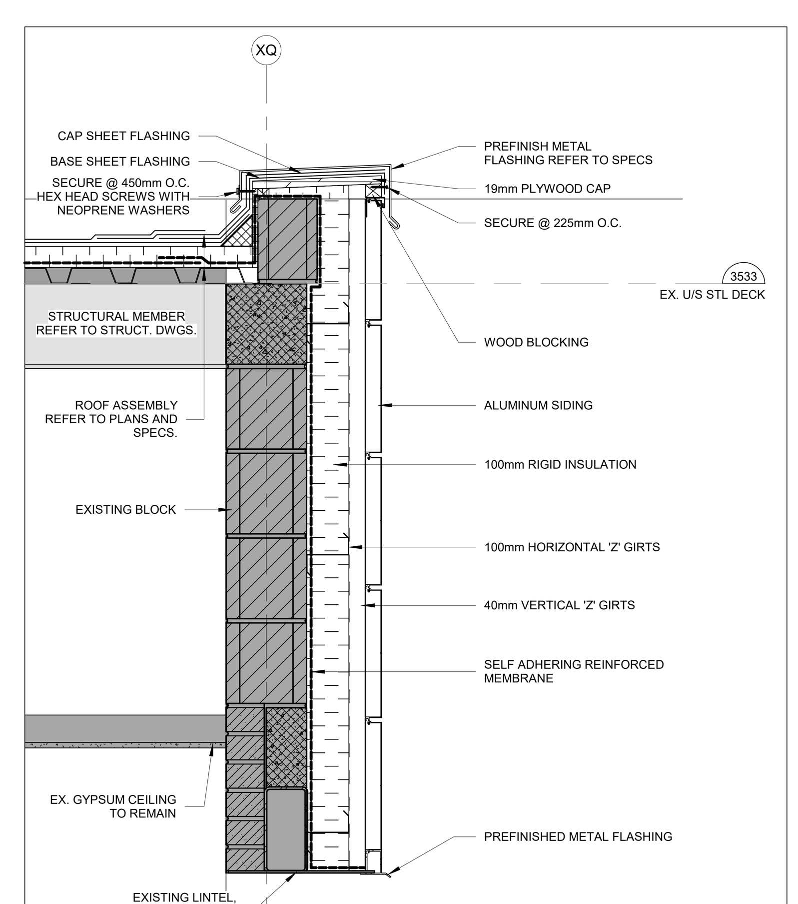
8 / A14 PLAN DETAIL@ EXISTING WINDOW IN CO-LAB A119
SCALE: 1 : 10



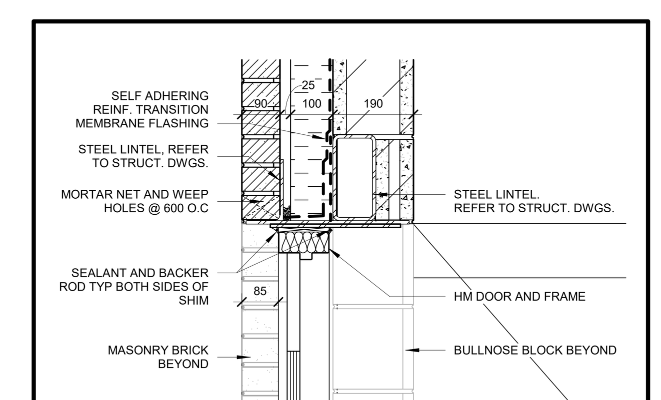
7 / A14 PLAN DETAIL - ALUMN. COMPOSITE PANEL AND WINDOW
SCALE: 1 : 10



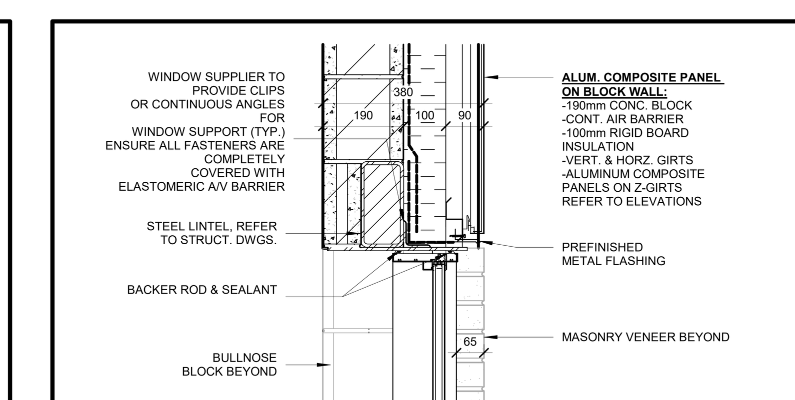
11 / A14 WALL SECTION @ MAIN ENTRANCE EXISTING CANOPY - DEMOLITION
SCALE: 1 : 20



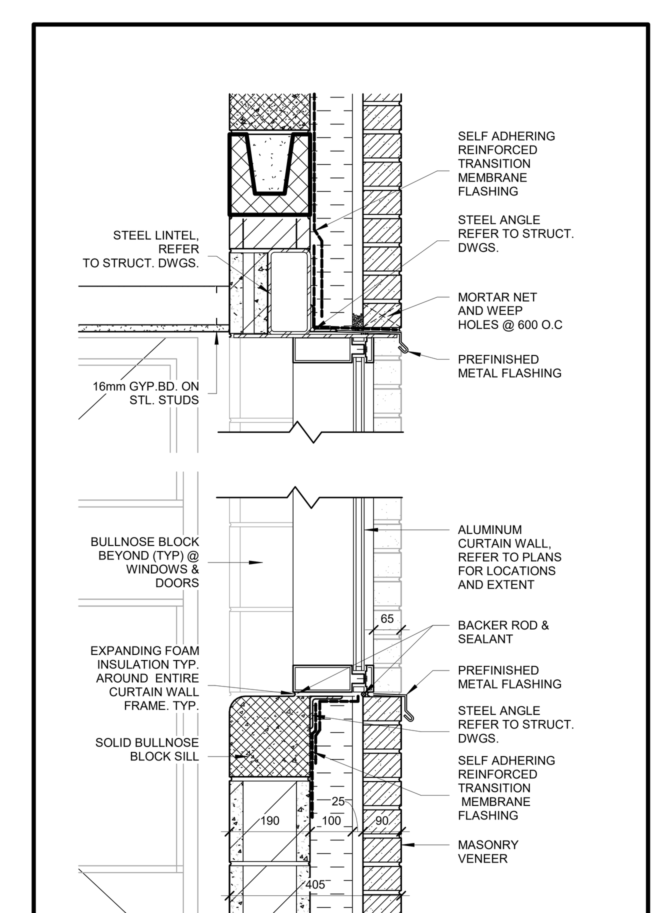
14 / A14 SECTION DETAIL @ MAIN ENTRANCE EXISTING CANOPY
SCALE: 1 : 10



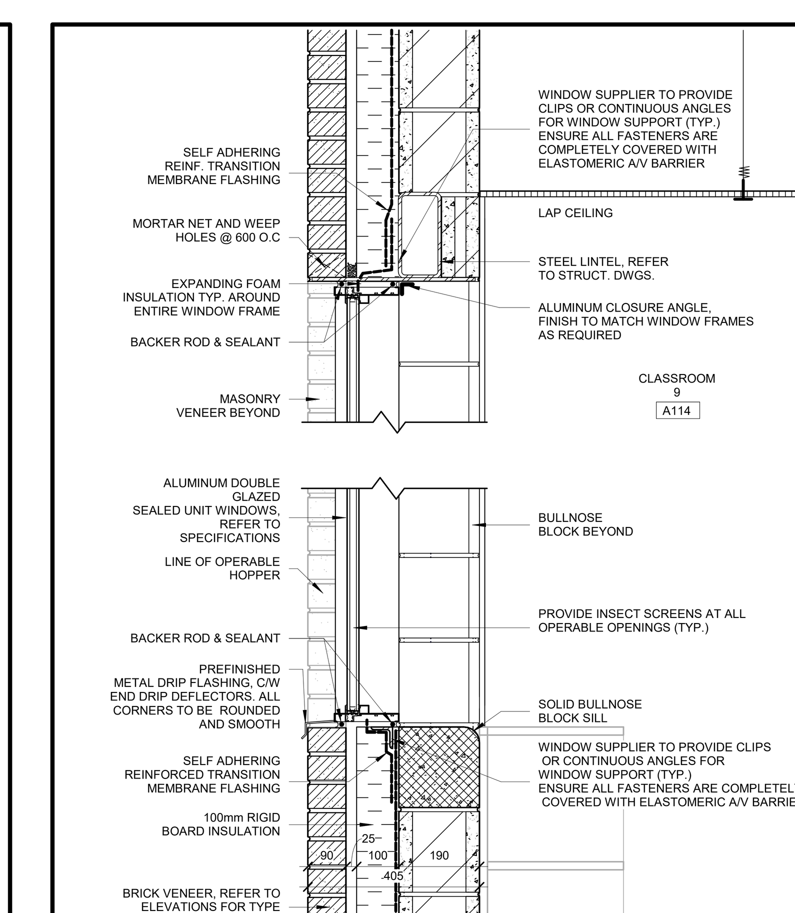
16 / A14 DOOR HEADER SECTION DETAIL @ MASONARY VENEER
SCALE: 1 : 10



17 / A14 WINDOW SECTION DETAIL @ ALUM. COMPOSITE PANEL
SCALE: 1 : 10



15 / A14 CURTAIN WALL SECTION DETAIL @ MASONARY VENEER
SCALE: 1 : 10



13 / A14 WINDOW SECTION DETAIL @ MASONARY VENEER
SCALE: 1 : 10

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD
CDSB

WALL SECTIONS
PLAN DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: TC	DRAWING: A14
CHECKED: JK	
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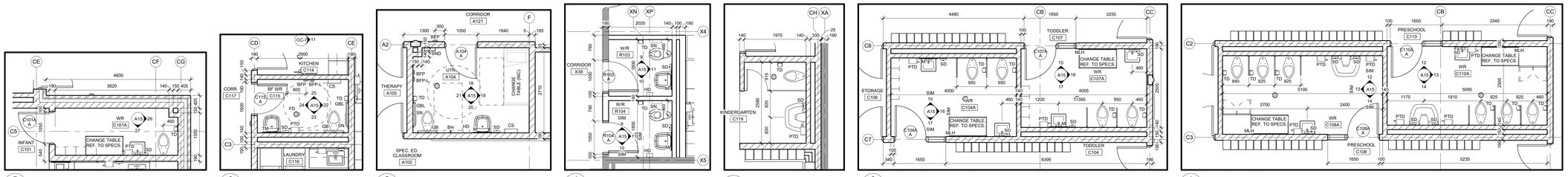
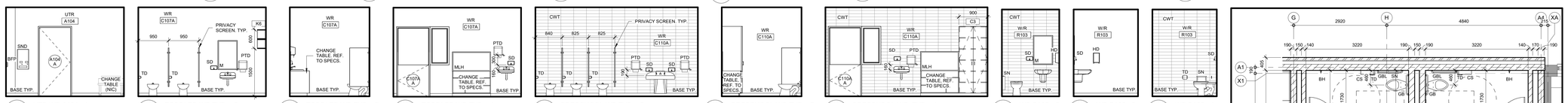
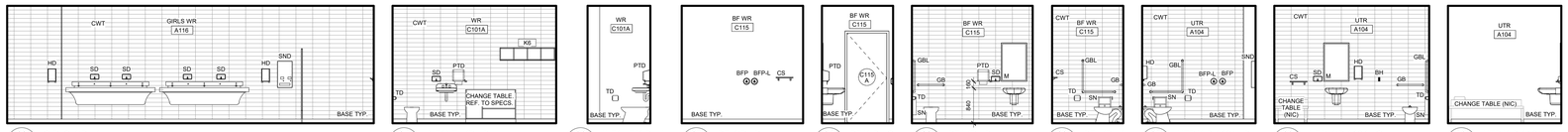


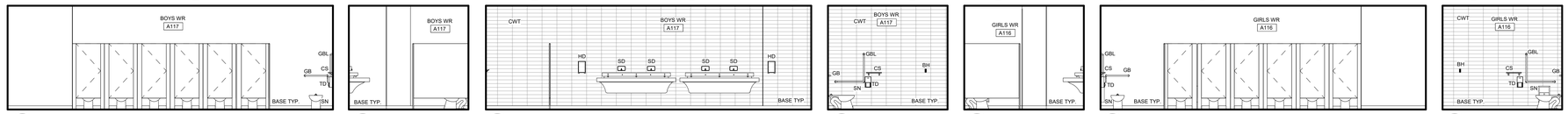
7 A15 INFANT W/R C101A — SCALE: 1 : 50
6 A15 CHILDCARE B/F W/R C115 — SCALE: 1 : 50
5 A15 UTR A104 — SCALE: 1 : 50
4 A15 WR - R103 & R104 — SCALE: 1 : 50
3 A15 KINDERGARTEN WR — SCALE: 1 : 50
2 A15 TODDLER WR C104A & C107A — SCALE: 1 : 50
1 A15 PRESCHOOL WR C108A & C110A — SCALE: 1 : 50



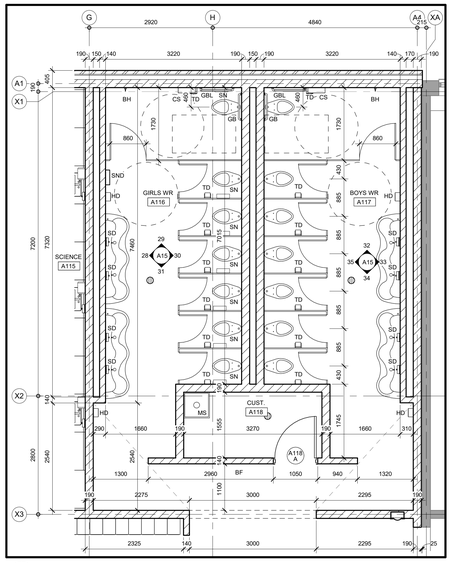
18 A15 UTR WR A104 - A — SCALE: 1 : 50
17 A15 TODDLER WR TYP. - C — SCALE: 1 : 50
16 A15 TODDLER WR TYP. - B — SCALE: 1 : 50
15 A15 TODDLER WR TYP. - A — SCALE: 1 : 50
14 A15 PRESCHOOL WR TYP. - C — SCALE: 1 : 50
13 A15 PRESCHOOL WR TYP. - B — SCALE: 1 : 50
12 A15 PRESCHOOL WR TYP. - A — SCALE: 1 : 50
11 A15 WR R103 - C — SCALE: 1 : 50
10 A15 WR R103 - B — SCALE: 1 : 50
9 A15 WR R103 - A — SCALE: 1 : 50



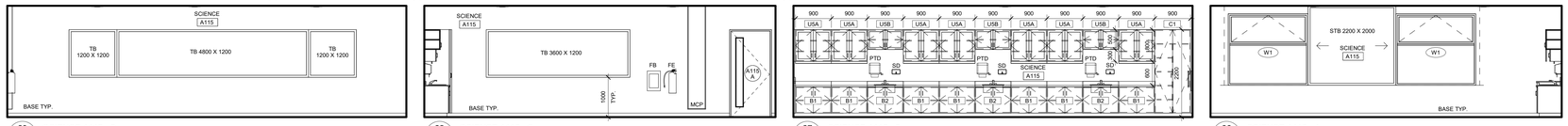
28 A15 GIRLS WR - A — SCALE: 1 : 50
27 A15 INFANT WR - B — SCALE: 1 : 50
26 A15 INFANT WR - A — SCALE: 1 : 50
25 A15 BF WR - D — SCALE: 1 : 50
24 A15 BF WR - C — SCALE: 1 : 50
23 A15 BF WR - B — SCALE: 1 : 50
22 A15 BF WR - A — SCALE: 1 : 50
21 A15 UTR WR A104 - D — SCALE: 1 : 50
20 A15 UTR WR A104 - C — SCALE: 1 : 50
19 A15 UTR WR A104 - B — SCALE: 1 : 50



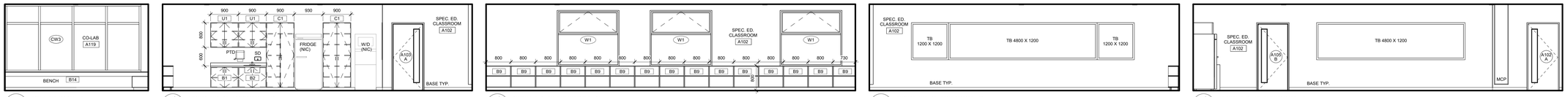
35 A15 BOYS WR - D — SCALE: 1 : 50
34 A15 BOYS WR - C — SCALE: 1 : 50
33 A15 BOYS WR - B — SCALE: 1 : 50
32 A15 BOYS WR - A — SCALE: 1 : 50
31 A15 GIRLS WR - D — SCALE: 1 : 50
30 A15 GIRLS WR - C — SCALE: 1 : 50
29 A15 GIRLS WR - B — SCALE: 1 : 50



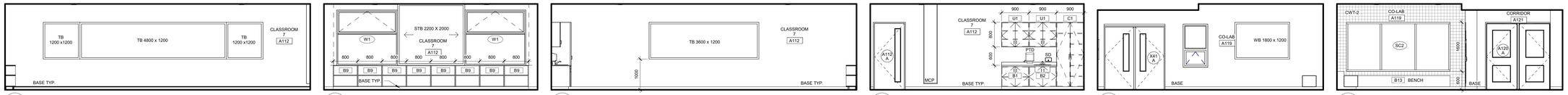
8 A15 BOYS & GIRLS WR — SCALE: 1 : 50



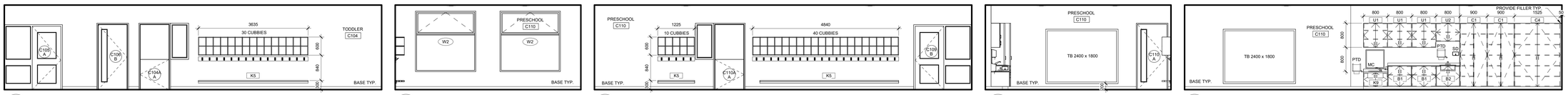
39 A15 SCIENCE A115 - D — SCALE: 1 : 50
38 A15 SCIENCE A115 - C — SCALE: 1 : 50
37 A15 SCIENCE A115 - B — SCALE: 1 : 50
36 A15 SCIENCE A115 - A — SCALE: 1 : 50



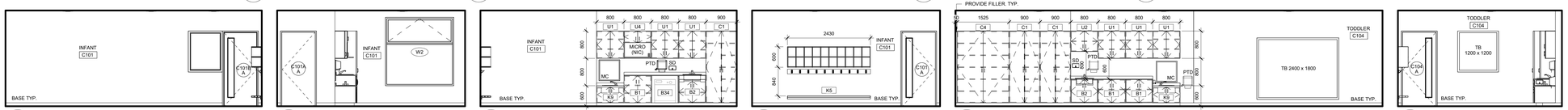
44 A15 CO-LAB R119 - A — SCALE: 1 : 50
43 A15 SPEC. ED. CLASSROOM - D — SCALE: 1 : 50
42 A15 SPEC. ED. CLASSROOM - C — SCALE: 1 : 50
41 A15 SPEC. ED. CLASSROOM - B — SCALE: 1 : 50
40 A15 SPEC. ED. CLASSROOM - A — SCALE: 1 : 50



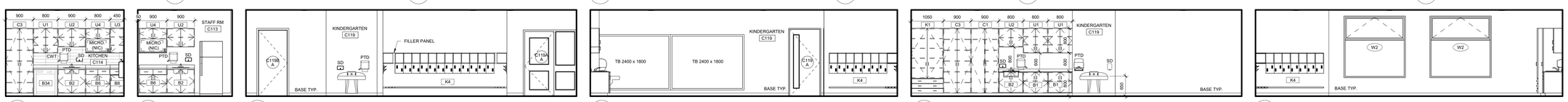
50 A15 STANDARD CLASSROOM - D — SCALE: 1 : 50
49 A15 STANDARD CLASSROOM - C — SCALE: 1 : 50
48 A15 STANDARD CLASSROOM - B — SCALE: 1 : 50
47 A15 STANDARD CLASSROOM - A — SCALE: 1 : 50
46 A15 CO-LAB R119 - C — SCALE: 1 : 50
45 A15 CO-LAB R119 - B — SCALE: 1 : 50



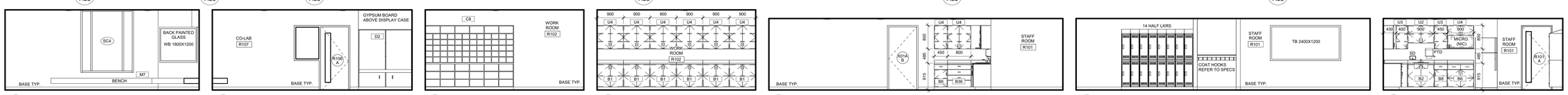
55 A15 TODDLER - A — SCALE: 1 : 50
54 A15 PRESCHOOL - D — SCALE: 1 : 50
53 A15 PRESCHOOL - C — SCALE: 1 : 50
52 A15 PRESCHOOL - B — SCALE: 1 : 50
51 A15 PRESCHOOL - A — SCALE: 1 : 50



61 A15 INFANT - D — SCALE: 1 : 50
60 A15 INFANT - C — SCALE: 1 : 50
59 A15 INFANT - B — SCALE: 1 : 50
58 A15 INFANT - A — SCALE: 1 : 50
57 A15 TODDLER - C — SCALE: 1 : 50
56 A15 TODDLER - B — SCALE: 1 : 50



67 A15 KITCHEN - A — SCALE: 1 : 50
66 A15 STAFF ROOM C113 — SCALE: 1 : 50
65 A15 FDK - D — SCALE: 1 : 50
64 A15 FDK - C — SCALE: 1 : 50
63 A15 FDK - B — SCALE: 1 : 50
62 A15 FDK - A — SCALE: 1 : 50



74 A15 CO-LAB R107 - B — SCALE: 1 : 50
73 A15 CO-LAB R107 - A — SCALE: 1 : 50
72 A15 WORK ROOM R102 - B — SCALE: 1 : 50
71 A15 WORK ROOM R102 - A — SCALE: 1 : 50
70 A15 STAFF ROOM R101 - C — SCALE: 1 : 50
69 A15 STAFF ROOM R101 - B — SCALE: 1 : 50
68 A15 STAFF ROOM R101 - A — SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD - REFER TO SPECS
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BH	BREAK-AWAY HOOK
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHsr	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REF. TO SPEC
CR+S	COAT RACK AND SHELF
CS	CONVENIENCE SHELF
CW	COMPLETE WITH
CWT	CERAMIC WALL TILE
DF	DRINKING FOUNTAIN
DW	DISHWASHER
EM	ELECTROMAGNETIC HOLD OPEN DEVICE
EP	ELECTRICAL PANEL. REF. ELEC. DWGS.
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
FAAP	FIRE ALARM ANNUCIATOR PANEL
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
FSS	FOLDING SHOWER SEAT
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GBT	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HL	HANDICAP LOCKER
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
ISP	INTERIOR SIGNAGE PANEL
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
MC	MIRROR IN CHILD CARE ROOMS
ML	LONG MIRROR
MLH	LONG MIRROR - HORIZONTAL
MCP	MODULAR CONTROL PANEL
MRS	MOTORIZED ROLLER SHADE
MS	MOP SINK
NIC	NOT IN CONTRACT
PAS	PUBLIC ANNOUNCEMENT SYSTEM
PREFIN	PREFINISHED
PCT	PRIVACY CURTAIN AND TRACK
PMP-1	PERFORATED METAL PANEL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
REINF	REINFORCING
RF	REFRIGERATOR
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE REFER TO SPECS
RWL	RAIN WATER LEADER
SC	HOLLOW METAL WINDOW SCREEN
SD	SOAP DISPENSER
SFS	STRUCTURAL FROST SLAB
SIM.	SIMILAR
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SP	SPANDREL PANEL
STB	SLIDING TACKBOARD
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
W/D	WASHER DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE 6003
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES ADDITION & RENOVATION

540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

WASHROOM ENLARGEMENTS & INTERIOR ELEVATIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
MISSISSAUGA, ON L4W 0W8
(905) 615-0304 admin@hossackarch.com

SCALE	As indicated
PROJECT	25106
DATE	MAY 2026
DRAWN	TC
CHECKED	JK
DRAWING	A15
PRINT DATE	2026-05-11 10:28:25 AM
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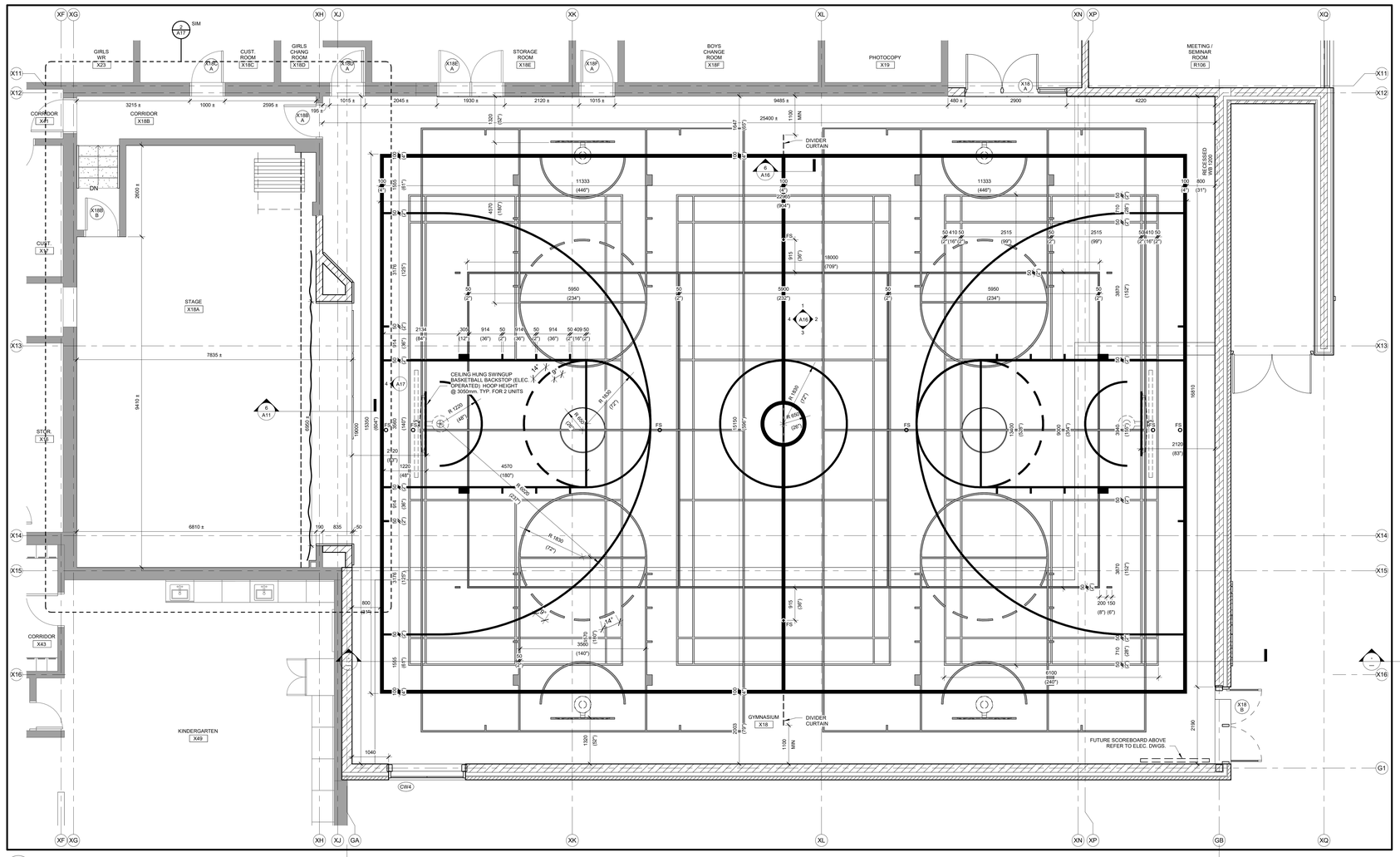
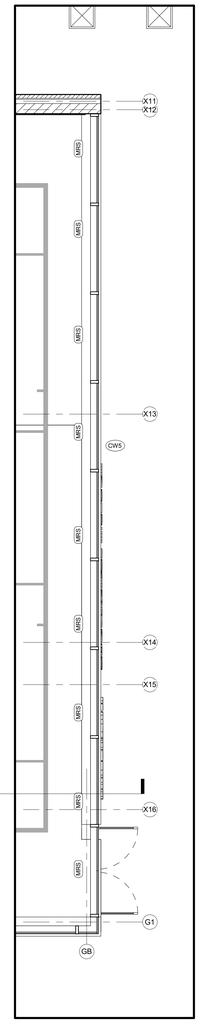
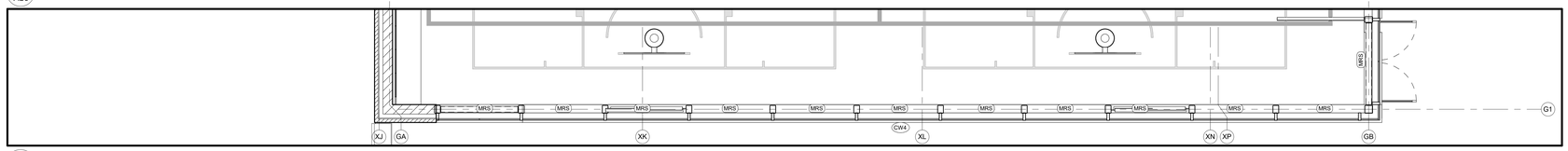


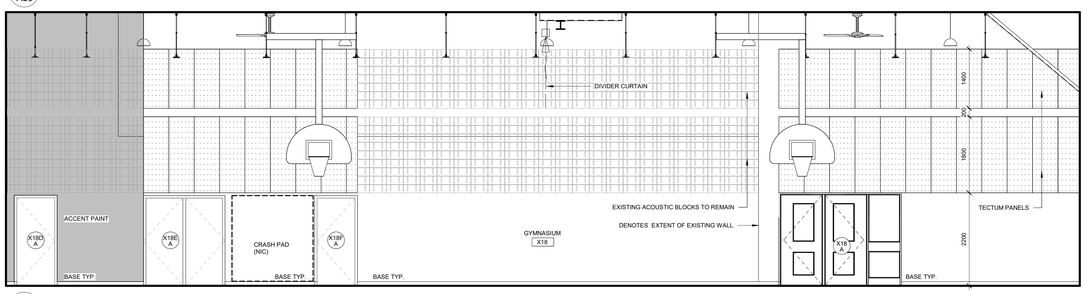
5 A16 PROPOSED GROUND FLOOR - GYM ENLARGED PLAN
SCALE: 1 : 50



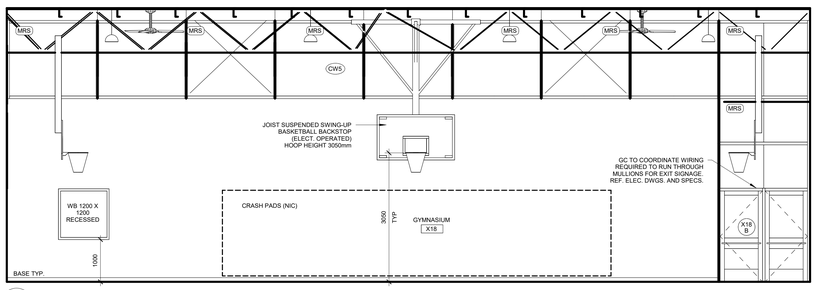
12 A16 GYM PARTIAL CLERESTORY PLAN -B
SCALE: 1 : 50



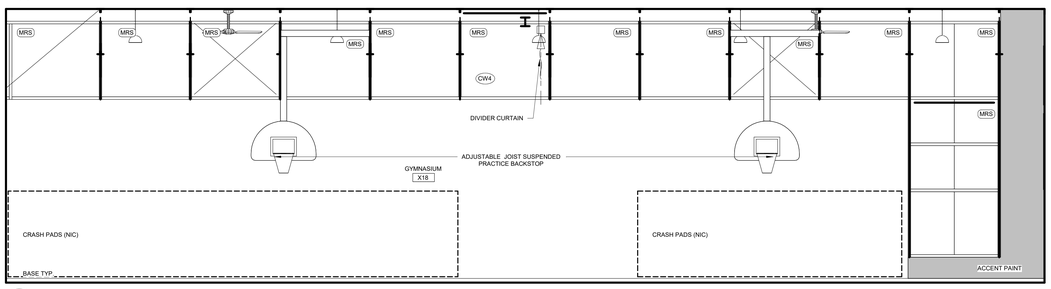
11 A16 GYM PARTIAL CLERESTORY PLAN - A
SCALE: 1 : 50



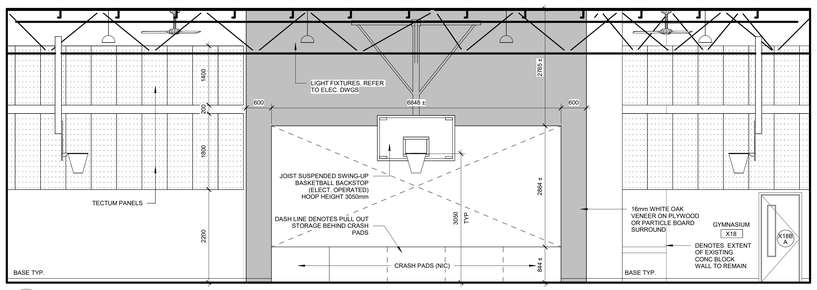
1 A16 GYMNASIUM X18 - A
SCALE: 1 : 50



2 A16 GYMNASIUM X18 - B
SCALE: 1 : 50



3 A16 GYMNASIUM X18 - C
SCALE: 1 : 50

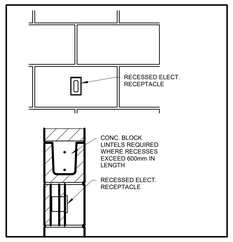


4 A16 GYMNASIUM X18 - D
SCALE: 1 : 50

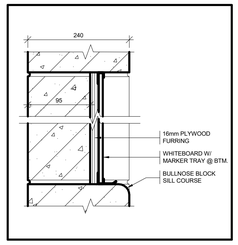
LEGEND

LINE	COURT	COLOUR
	MAIN BASKETBALL (50mm,100mm border)	RED
	2 PRACT. BASKETBALL (50mm)	RED
PRACTICE	MAIN VOLLEYBALL (50mm)	GREEN
PRACTICE	2 PRACT. VOLLEYBALL (50mm)	GREEN
	3 BADMINTON (25mm)	BLACK
FS	FLOOR SOCKET	

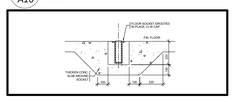
NOTES:
1. CONFIRM LOCATION OF FLOOR SOCKETS WITH CONSULTANTS PRIOR TO SLAB THICKENING AND INSTALLATION



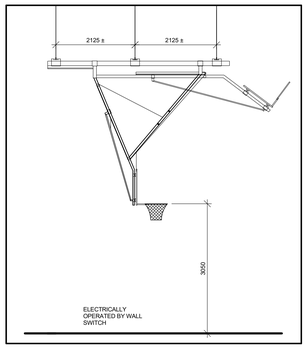
10 A16 RECESS FOR ELECT. DEVICES IN GYM
SCALE: 1 : 10



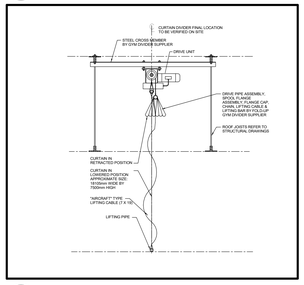
9 A16 WHITEBOARD RECESS IN GYMNASIUM
SCALE: 1 : 5



8 A16 FLOOR SOCKET DETAIL
SCALE: 1 : 10



7 A16 JOIST SUSPENDED SWING-UP BACK STOP
SCALE: 1 : 50



6 A16 GYM DIVIDER CURTAIN
SCALE: 1 : 20

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BB	BULLETIN BOARD - REFER TO SPECS
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
BH	BRICK HOOK
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHsr	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REF. TO SPEC
CR+S	COAT RACK AND SHELF
CS	CONVENIENCE SHELF
C/W	COMPLETE WITH
CWT	CERAMIC WALL TILE
DF	DRINKING FOUNTAIN
D/W	DISHWASHER
EM	ELECTROMAGNETIC HOLD OPEN DEVICE
EP	ELECTRICAL PANEL REF. ELEC. DWGS.
EPC	EMERGENCY PULL CORD
EW	EYE WASH STATION
FAAP	FIRE ALARM ANNUCIATOR PANEL
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FRGB	FIRE RATED GYPSUM BOARD
FSS	FOLDING SHOWER SEAT
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HD	HAND DRYER
HL	HANDICAP LOCKER
HM	HOLLOW METAL
HSS	HOLLOW STRUCTURAL STEEL
ISP	INTERIOR SIGNAGE PANEL
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
MC	MIRROR IN CHILD CARE ROOMS
ML	LONG MIRROR
MLH	LONG MIRROR - HORIZONTAL
MCP	MODULAR CONTROL PANEL
MRS	MOTORIZED ROLLER SHADE
MS	MOP SINK
NIC	NOT IN CONTRACT
PAS	PUBLIC ANNOUNCEMENT SYSTEM
PREFIN	PREFINISHED
PT	PRIVACY CURTAIN AND TRACK
PMP-1	PERFORATED METAL PANEL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
REINF	REINFORCING
RF	REFRIGERATOR
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE REFER TO SPECS
RWL	RAIN WATER LEADER
SC	HOLLOW METAL WINDOW SCREEN
SD	SOAP DISPENSER
SFS	STRUCTURAL FROST SLAB
SIM	SIMILAR
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SP	SPANDREL PANEL
STB	SLIDING TACKBOARD
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADUCEUR
LICENCE 5053
CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

GYMNASIUM PLAN & DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 5V8
(905) 815-5084 admin@hossackarch.com

SCALE	As indicated
DATE	MAY 2026
PROJECT	25106
DRAWN	TC
CHECKED	JK
DRAWING	A16
PRINT DATE	2026-05-12 1:37:50 PM
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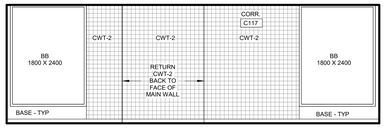
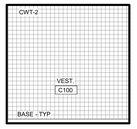


5 A17 CORRIDOR C117 - A
SCALE: 1 : 50



6 A17 VESTIBULE C100 - A
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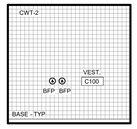

7 A17 VESTIBULE C100 - B
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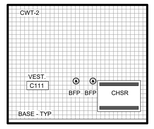

8 A17 VESTIBULE C111 - A
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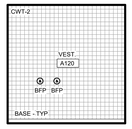

9 A17 VESTIBULE A120 - A
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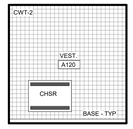

10 A17 VESTIBULE A120 - B
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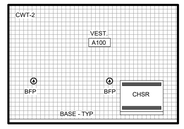
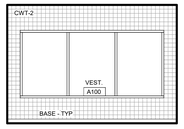
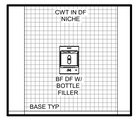


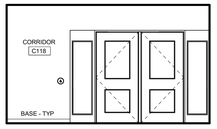
11 A17 VESTIBULE A100 - A
SCALE: 1 : 50



12 A17 VESTIBULE A100 - B
SCALE: 1 : 50

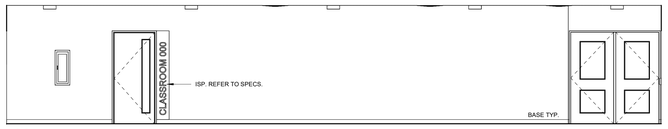


13 A17 DRINKING FOUNTAIN
SCALE: 1 : 50



14 A17 CORRIDOR C118 - A
SCALE: 1 : 50

15 A17 CORRIDOR C118 - B
SCALE: 1 : 50



16 A17 CORRIDOR C118 - C
SCALE: 1 : 50

CONSTRUCTION NOTES

DRAWINGS TO READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

CONTRACTOR TO COORDINATE OVERALL DOOR OPENING SHOWN ON THIS PLAN WITH REQUIRED DOOR LEAF WIDTH AND JAMB DETAIL AS DESCRIBED IN DOOR SCHEDULE.

1. NEW 140mm CONC. BLOCK WALL FROM FLOOR TO UNDERSIDE OF STAGE DECKING.
2. NEW 140mm CONC. BLOCK FROM FLOOR TO UNDERSIDE OF GYM STEEL DECKING.
3. TECTUM ACOUSTIC PANELS

DEMOLITION NOTES

GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO CONSTRUCTION.

ALL REMOVAL/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION. FOR ADDITIONAL DEMOLITION DOCUMENTS AND DETAILS SEE DRAWINGS AND SPEC.

OWNER WILL MOVE AND RELOCATE ALL EXISTING FURNITURE AND TEACHING TOOLS WITHIN SCOPE OF WORK PRIOR TO CONSTRUCTION.

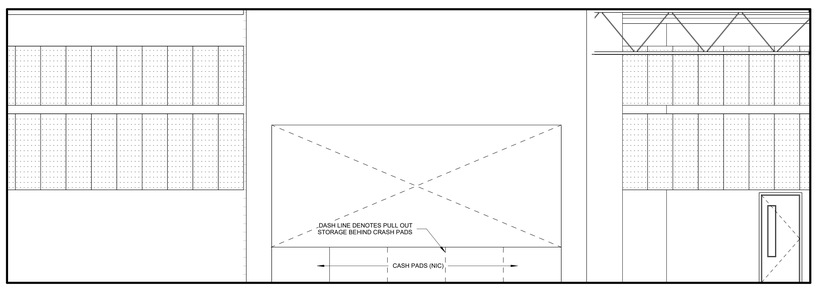
GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.

CONTRACTOR TO REPAIR AND MAKE GOOD ALL EXISTING BLOCK WALLS AND PAINT WITHIN CONSTRUCTION AREA (INCLUDING CORRIDORS AFFECTED BY RENOVATION) SEE SPEC.

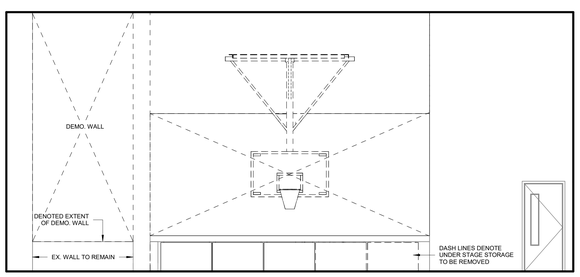
ALL NOTED DIMENSIONS TO EXISTING WALL ASSEMBLIES ARE +/- AND MAY VARY. CONTRACTOR TO FIELD VERIFY AS REQUIRED.

ALL AREAS OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION PER SPECIFICATIONS.

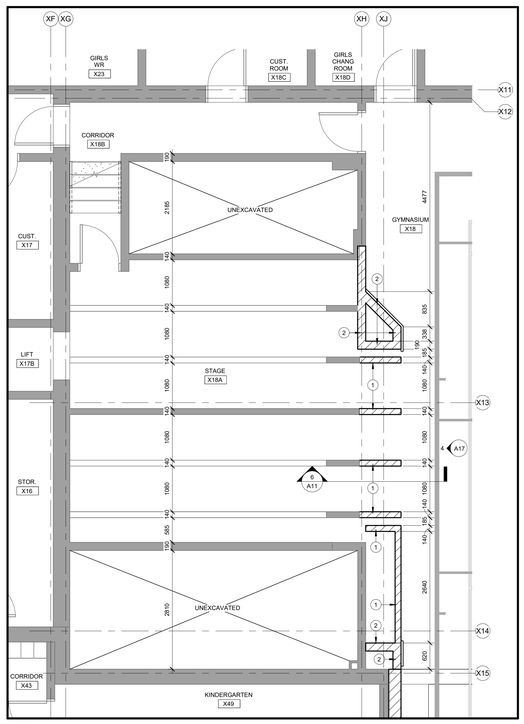
1. CAREFULLY SAWCUT EXISTING BLOCK WALL TO EXTENT SHOWN FOR NEW STAGE OPENING, FROM FINISH FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN WHERE APPLICABLE FOR NEW OPENING. REFER TO MECHANICAL AND ELECTRICAL FOR ASSOCIATED REMOVAL. REFER TO STRUCTURAL DWGS AS REQUIRED.
2. REMOVE EXISTING BENT PLATE CLOSURE AT DECK EDGE FOR NEW STAGE OPENING AND STAGE DECKING EXPANSION. PATCH AND MAKE GOOD EXISTING STAGE DECKING FOR EXPANSION TIE-IN. REFER TO STRUCT. DWGS. AS REQUIRED.
3. CAREFULLY SAWCUT EXISTING INTERIOR BLOCK WALL TO EXTENT SHOWN, FROM UNDERSIDE OF STAGE FLOOR DECKING TO TOP OF WALL. REFER TO 3/A17 FOR DEMO. EXTENT.
4. EXISITING CONC. BLOCK WALLS TO UNDERSIDE OF STEEL DECK TO REMAIN.



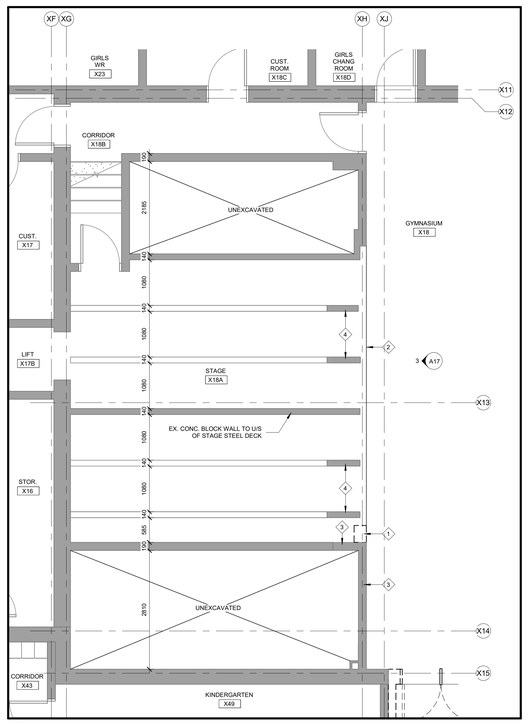
4 A17 PROPOSED INTERIOR ELEVATION - STAGE
SCALE: 1 : 50



3 A17 DEMOLITION INTERIOR ELEVATION - STAGE
SCALE: 1 : 50



2 A17 PROPOSED GROUND FLOOR PLAN - STAGE STORAGE
SCALE: 1 : 50



1 A17 DEMOLITION GROUND FLOOR PLAN - STAGE STORAGE
SCALE: 1 : 50

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

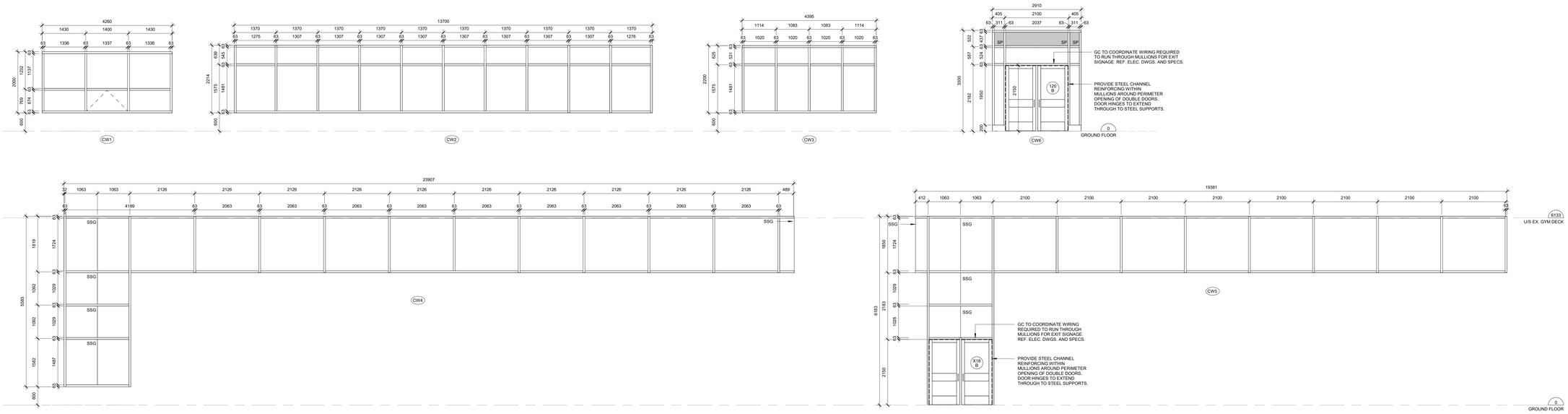
HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION & PROPOSED STAGE FLOOR PLAN AND INTERIOR ELEVATIONS

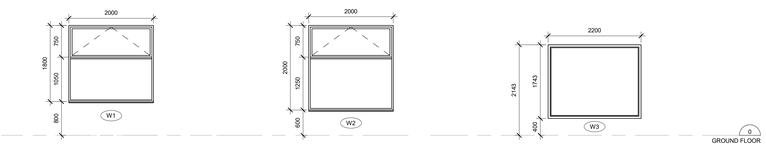
HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
BURLINGTON, ONTARIO L7P 0X9
(905) 615-0204 admin@hossack.ca

SCALE 1 : 50	PROJECT 25106
DATE MAY 2026	
DRAWN TC	DRAWING A17
CHECKED JK	
PRINT DATE	2026-05-11 1:31:01 PM
REVIT FILE	T:\2025\25106\02\Revit.RVT

CURTAIN WALL SCHEDULE



WINDOW SCHEDULE



SSG STRUCTURAL SILICONE GLAZING MULLION

SP SPANDREL PANEL

GENERAL NOTES:

GC TO COORDINATE WIRING WITH ELECTRICAL DWGS FOR PROPER INSTALLATION OF EXIT SIGN ON CURTAIN WALLS ON ALL DOORS. ALL CASEMENT WINDOWS TO OPEN OUT. REFER TO SPECIFICATIONS.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

CURTAIN WALL, WINDOW & SCREEN SCHEDULE

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE 1 : 50	PROJECT 25106
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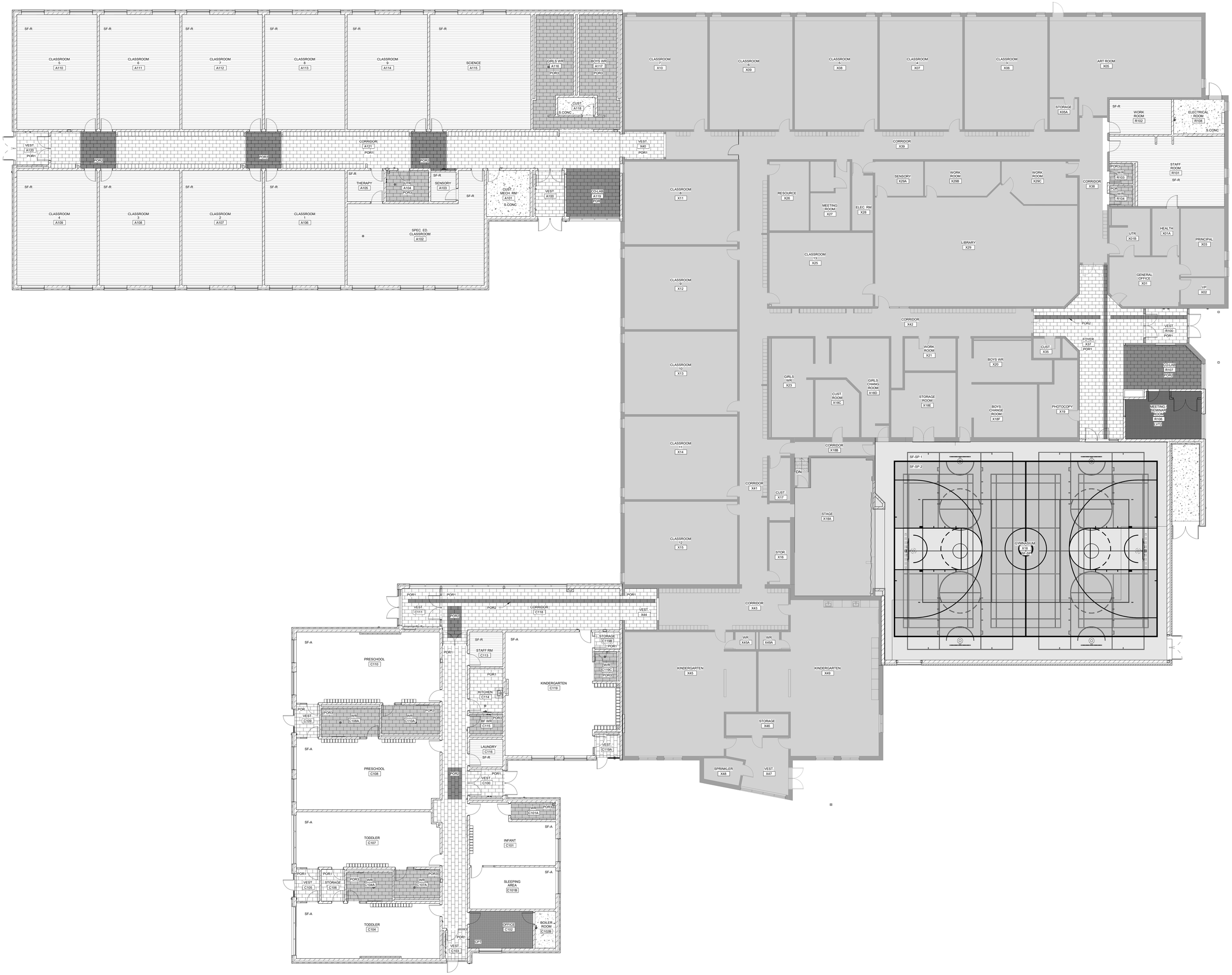

LEGEND

REFER TO SPECIFICATIONS

FLOORING TO REMAIN

SHEET FLOORING

SF-A SF-R SF-SP.1 SF-SP.2

PORCELAIN TILE

POR1 POR2 POR3

VINYL TILE

LVT1 LVT2 LVT3

CARPET

CPT CPT 2 CPT 3

CONCRETE

SEAL CONCRETE - REFER TO SPECS

CJ - CONTROL JOINT

FLOOR PATTERN HATCHES ARE TO BE READ IN CONJUNCTION WITH ROOM FINISH SCHEDULE TO DIFFERENTIATE BETWEEN TYPE OF FLOOR REQUIRED.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	260511
1	ISSUED FOR BUILDING PERMIT	260331

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.

ONTARIO ASSOCIATION OF ARCHITECTS
MAY 12/26
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

OUR LADY OF VICTORY CES
ADDITION & RENOVATION
540 COMMERCIAL STREET, MILTON, ON

HALTON CATHOLIC DISTRICT SCHOOL BOARD

GROUND FLOOR PATTERN PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE As indicated	PROJECT 25106
DATE MAY 2026	
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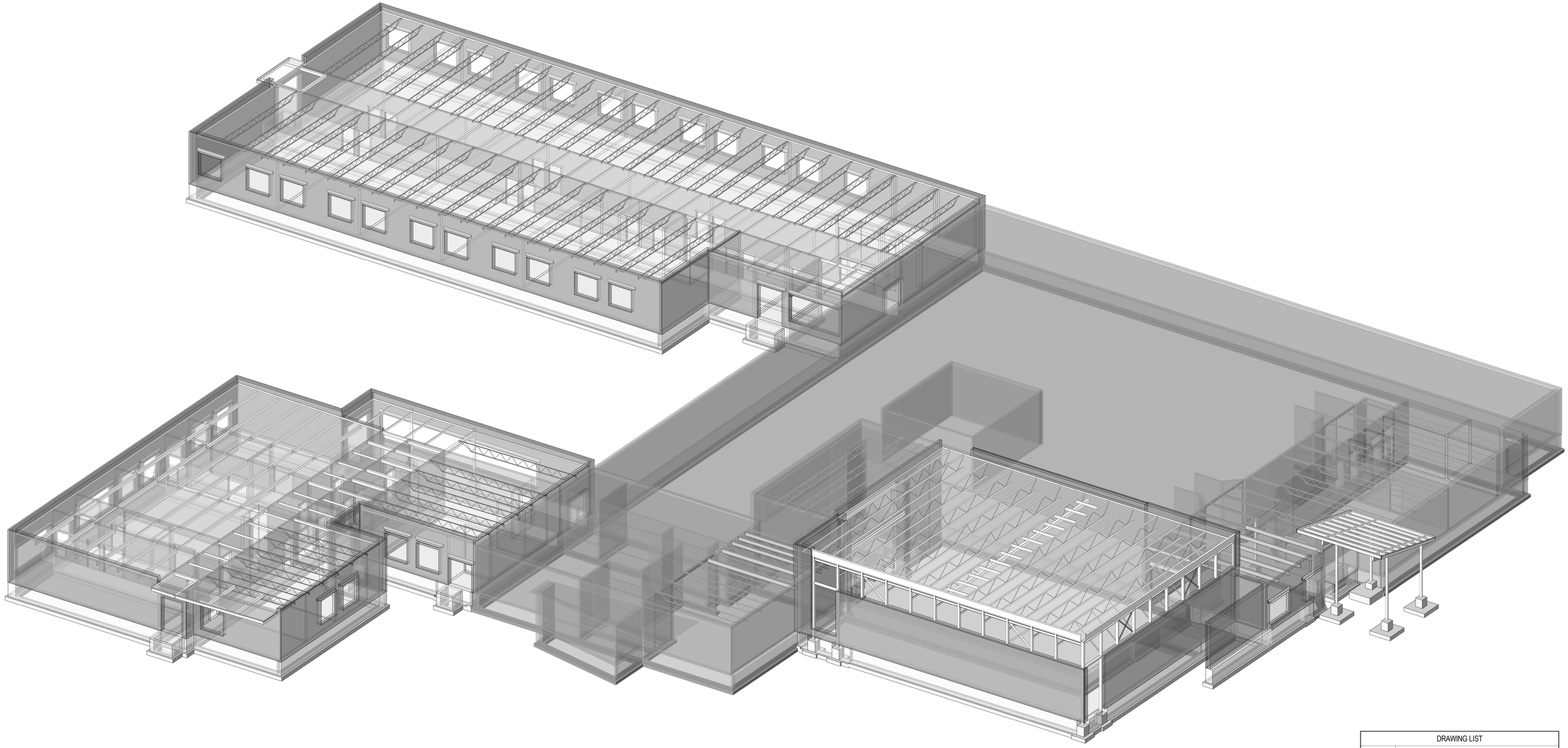


DRAWING LIST	
Sheet Number	Sheet Name
S0	COVER SHEET
S1-00	DESIGN CRITERIA NOTES, MISC DETAILS AND SCHEDULES
S1-01	FOUNDATION PLAN
S1-02	ROOF FRAMING PLAN
S1-03	WIND UPLIFT DIAGRAM PLAN
S2-01	COLUMN SCHEDULE
S3-01	FOUNDATION SECTIONS
S4-01	ROOF SECTIONS
S4-02	ROOF SECTIONS
S5-01	GENERAL NOTES
S5-02	TYPICAL DETAILS
S5-03	TYPICAL DETAILS
S5-04	TYPICAL DETAILS

OUR LADY OF VICTORY ADDITION & RENOVATION

THIS COVER SHEET IS A DIAGRAMATIC 3D VIEW AND DOES NOT FORM PART OF THE DOCUMENTS

Salas O'Brien
2235 Sheppard Ave. E. Suite No. 1100
Toronto, ON M2J 5B5

DESIGN CRITERIA NOTES:

1. GENERAL
1.1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2024 ONTARIO BUILDING CODE (OBC). ALL CODES, MANUALS, STANDARDS, AND SPECIFICATIONS REFERRED TO SHALL BE THE LATEST EDITIONS INCLUDING ALL REVISIONS AND ADDENDA AS REFERENCED IN THE OBC.
1.2 BUILDING IMPORTANCE CATEGORY (TABLE 4.1.2.1 OF OBC) IS: HIGH
1.3. MISCELLANEOUS METAL FABRICATORS SHALL:
1.3.1. PROVIDE SHOP DRAWINGS TO THE ARCHITECT PRIOR TO FABRICATION; STAMPED, SIGNED AND DATED BY A PROFESSIONAL ENGINEER.
1.3.2. DESIGN ALL GUARDS TO MEET LATERAL LOADS DESCRIBED IN OBC CLAUSE 4.1.5.14.
1.3.3. DESIGN ALL HANDRAILS TO MEET LOADS DESCRIBED IN OBC CLAUSE 4.1.5.14(7).
1.4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR WHO IS SUPPLYING AND INSTALLING NON-STRUCTURAL COMPONENTS AND EQUIPMENT, THAT ALL NON-STRUCTURAL ELEMENTS AND EQUIPMENT (AND THEIR CONNECTIONS TO THE STRUCTURE) LISTED IN TABLE 4.1.8.18 OF THE OBC ARE DESIGNED IN ACCORDANCE WITH CLAUSE 4.1.8.18.

2. FIRE SAFETY
2.1 REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE SAFETY RATING REQUIREMENTS FOR STRUCTURAL COMPONENTS.

3. LATERAL LOADS ON STRUCTURE
3.1 WIND LOADING
3.1.1 WIND PARAMETERS
THE WIND LOADING PARAMETERS INDICATED BELOW HAVE BEEN CALCULATED IN ACCORDANCE TO CLAUSE 4.1.7 OF NBC 2020 AND COMMENTARY I - "WIND LOAD AND EFFECTS" OF USER'S GUIDE -NBC 2020 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B).
Ce and Cg HAVE BEEN COMPUTED ACCORDING TO THE [STATIC PROCEDURE FOR [OPEN TERRAIN],
IMPORTANCE FACTOR FOR WIND LOADING, Iw = 1.15
q(1/50) = 0.43 kPa
Cp VALUES PER CLAUSE 4.1.7.5 OR 4.1.7.6 OF NBC 2020 AND NBC 2020 USER'S GUIDE
CPi, VALUES PER CLAUSE 4.1.7.7 IN NBC 2020 AND NBC 2020 USER'S GUIDE.
3.1.2 BASE SHEARS
WIND BASE SHEAR = CLASSROOM: 53 kN EAST-WEST DIRECTION, 115 kN NORTH-SOUTH DIRECTION.
WIND BASE SHEAR = CHILDCARE: 71 kN EAST-WEST DIRECTION, 52 kN NORTH-SOUTH DIRECTION.
3.1.3 IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR'S ENGINEER TO CALCULATE WIND PRESSURES ON NON-STRUCTURAL COMPONENTS (CLADDING, ROOFING, ETC.) BASED ON COMMENTARY I OF NBC 2020 USER'S GUIDE.
3.2 EARTHQUAKE LOADING
3.2.1 EARTHQUAKE PARAMETERS
IMPORTANCE FACTOR FOR EARTHQUAKE LOAD I_E = 1.3
SITE DESIGNATION FOR SITE RESPONSE = X583 (REFER TO GEOTECHNICAL REPORT)
THE EARTHQUAKE SEISMIC CATEGORY AS PER OBC TABLE 4.1.8.5.-B = SC3 ($I_E S(0.2)$ = 0.386)
Sa(0.2) = 0.297 Sa(5.0)= 0.00813
Sa(0.5) = 0.142 Sa(10.0) = 0.00288
Sa(1.0) = 0.0705 PGA= 0.145
Sa(2.0) = 0.0318
SFRS CONSISTS OF: CONVENTIONAL MASONRY SHEAR WALLS AND CORRESPONDING DUCTILITY-RELATED MODIFICATION FACTORS ARE:
Rd = 1.5 Ro = 1.5
METHOD OF LATERAL ANALYSIS: STATIC
3.2.2 BASE SHEARS
EARTHQUAKE BASE SHEAR = CLASSROOM: 570 kN EAST-WEST DIRECTION, 570 kN NORTH-SOUTH DIRECTION.
EARTHQUAKE BASE SHEAR = CHILDCARE: 476 kN EAST-WEST DIRECTION, 476 kN NORTH-SOUTH DIRECTION.
3.2.3 STIFF ELEMENTS NOT PART OF SFRS SHALL BE SEPARATED FROM THE STRUCTURE AS PER OBC CLAUSE 4.1.8.3 (6a). EXAMPLES INCLUDE, BUT NOT LIMITED TO MASONRY PARTITIONS, BRICK VENEER, PRECAST CLADDING ETC. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO PROVIDE SHOP DRAWINGS, STAMPED, SIGNED AND DATED BY A LICENSED PROFESSIONAL ENGINEER DEMONSTRATING COMPLIANCE. PROVIDE MINIMUM 25mm SEPARATION UNLESS NOTED OTHERWISE.
3.3 LATERAL FORCES ON FOUNDATION / RETAINING WALLS
3.3.1 WALLS RETAINING EARTH ARE DESIGNED TO SAFELY WITHSTAND HORIZONTAL EARTH PRESSURE (P IN kPa) AT A DEPTH (h IN m) GIVEN BY THE EQUATION BELOW.
P = K x (Wt.h+q)
Where: Ka = 0.30 ACTIVE
Wt = 21 kN/m^3
q = 12 kPa (SURFACE PRESSURE SURCHARGE)
h = DEPTH (m)
3.3.2 THE WALLS HAVE BEEN DESIGNED ASSUMING FREE DRAINING BACKFILL OR THE USE OF A DRAINAGE CORE TO PREVENT THE BUILD-UP OF HYDROSTATIC PRESSURE. (SEE TYPICAL DETAILS)

4. SUPERIMPOSED DEAD AND LIVE LOADS
4.1 SEE ROOF PLAN, NOTES, AND/OR LOADING SCHEDULE FOR DESIGN SUPERIMPOSED DEAD AND LIVE LOADING ASSUMPTIONS.
4.2 THE STRUCTURE HAS BEEN DESIGNED TO RESIST THE FOLLOWING VERTICAL CLADDING DEAD LOADS:

CURTAIN WALL	0.38 kPa.
BRICK VENEER	1.32 kPa.
METAL CLADDING	0.16 kPa.

5. OTHER LOADS ON ROOFS
5.1 SNOW LOADING
5.1.1 THE SPECIFIED SNOW LOADING HAS BEEN CALCULATED BASED ON THE FOLLOWING PARAMETERS, MODIFIED TAKING INTO ACCOUNT FACTORS SUCH AS ROOF SIZE, WIND EXPOSURE, SLOPE AND SNOW DRIFTS:
IMPORTANCE FACTOR FOR SNOW LOAD Is = 1.15
GROUND SNOW LOAD, Ss = 1.3 kPa
ASSOCIATED RAIN LOAD, Sr = 0.4 kPa
5.1.2 SEE ROOF PLANS AND ACCUMULATED SNOW LOADING PLANS FOR LOCALIZED INCREASES AND DRIFTS CALCULATED IN ACCORDANCE WITH PART 4.1.6 OF NBC 2020 AND NBC 2020 STRUCTURAL COMMENTARIES.
5.2 RAIN LOADING
5.2.2 THE BUILDING ROOF STRUCTURE HAS BEEN DESIGNED ON THE ASSUMPTION THAT FLOW CONTROL ROOF DRAINS SATISFY ALL REQUIREMENTS OF THE 2020 NATIONAL PLUMBING CODE OF CANADA.
5.2.2 THE TOTAL RAIN LOAD ASSOCIATED WITH THE ONE DAY (24 HR) RAINFALL, IN ACCORDANCE WITH CLAUSE 4.1.6.4.(1) OF NBC 2020 AND COMMENTARY H IN USER'S GUIDE - NBC 2020 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B) IS: ONE DAY RAIN (1/50) = 125 mm
5.3 WIND UPLIFT
5.3.1 SEE ROOF PLANS, NOTES OR ROOF UPLIFT LOADING SCHEDULE FOR DESIGN LOAD VALUES FOR WIND UPLIFT. THE VALUES PRESENTED ON THESE DRAWINGS ARE UNFACTORED LOADS.
5.3.2 UPLIFT PRESSURES HAVE BEEN CALCULATED IN ACCORDANCE WITH CLAUSE 4.1.7.5 OR 4.1.7.6 OF NBC 2020.
5.3.3 FOR WIND PARAMETERS REFER TO SECTION 3.1 - WIND LOADING.

6. SERVICEABILITY
6.1 TYPICAL HORIZONTAL ELEMENTS (NOT SUPPORTING CLADDING) HAVE BEEN DESIGNED SO THAT THE CALCULATED DEFLECTIONS DO NOT EXCEED THE FOLLOWING LIMITS:

	DEFLECTION COMPONENT	DEFLECTION LIMIT
STRUCTURAL STEEL MEMBERS		
ROOF MEMBERS SUPPORTING CONSTRUCTION AND FINISHES SUSCEPTIBLE TO CRACKING	LIVE OR SNOW LOAD	L/360
ROOF MEMBERS SUPPORTING CONSTRUCTION AND FINISHES NOT SUSCEPTIBLE TO CRACKING	LIVE OR SNOW LOAD	L/300
ROOF MEMBERS	TOTAL = DEAD + LIVE (MINUS CAMBER)	L/240

6.2 PERIMETER OR SPANDREL ELEMENTS SUPPORTING CLADDING HAVE BEEN DESIGNED FOR AN ALLOWABLE DEFLECTION OF 1/480, OR 20 mm, WHICHEVER IS LESS.
6.3 THE BUILDING STRUCTURE HAS BEEN DESIGNED SUCH THAT THE TOTAL DRIFT PER STOREY UNDER SERVICE WIND AND GRAVITY LOADS DOES NOT EXCEED 1/500 OF THE STOREY HEIGHT.
6.4 THE BUILDING STRUCTURE HAS BEEN DESIGNED SUCH THAT THE CALCULATED INTERSTOREY DEFLECTIONS DUE TO SEISMIC LOADS PER OBC 4.1.8.13 DO NOT EXCEED 0.02 OF THE STOREY HEIGHT.

WOOD MEMBERS		
ROOF MEMBERS	TOTAL LOAD	L/240
ROOF MEMBERS	LIVE OR SNOW LOAD	L/360

FOUNDATION PLAN NOTES:

1. ALL FOOTINGS SHALL BE FOUNDED ON UNDISTURBED, NATIVE CLAYEY SILT TILL CAPABLE OF SUSTAINING 375 kPa (ULS) AND 250 kPa (SLS).
2. REFER TO SOILS REPORT NO. G7613 DATED JANUARY 2, 2026. PREPARED BY FORWARD ENGINEERING.
3. SOIL AT THE UNDERSIDE OF THE FOOTINGS IS TO BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF A SOILS CONSULTANT BEFORE PLACING CONCRETE.
4. UNDERSIDE OF WALL FOOTINGS TO BE AT ELEVATIONS AS NOTED.
5. SLAB - ON - GRADE TO BE 100 mm THICK REINFORCED SYNTHETIC FIBRES. (SEE SPECIFICATION)
6. TOP OF SLAB - ON - GRADE TO BE AT FINISHED FLOOR DATUM ELEVATION, 196.75m EXCEPT AS CROSSED AND NOTED. TOS = TOP OF SLAB.
7. CENTRELINES OF COLUMNS, CAPS AND FOOTINGS ARE COINCIDENT UNLESS OTHERWISE NOTED.
8. PROVIDE SLAB DEPRESSIONS, OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS, AS REQUIRED BY THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
9. SDF = STEP DOWN FOOTING.
10. UNLESS OTHERWISE NOTED, ALL WALL FOOTINGS TO BE 300 mm DEEP WITH 150 mm PROJECTIONS EACH SIDE.
11. FILL REQUIRED ON BOTH SIDES OF FOUNDATION WALLS SHALL BE PLACED AND COMPACTED SIMULTANEOUSLY ON BOTH SIDES TO EQUALIZE SOIL PRESSURE.
12. THE PROJECT SUPERINTENDENT MUST NOTIFY THIS OFFICE 24 HOURS PRIOR TO PLACING STRUCTURAL CONCRETE, INCLUDING STRIP FOOTINGS.
13. SEE ALSO TYPICAL NOTES AND DETAILS.
14. SEE COLUMN SCHEDULE FOR COLUMNS, AND COLUMN FOOTINGS.
15. CONCRETE STRENGTHS - SEE CONCRETE SCHEDULE.
16. REFER TO SITE PREPARATION NOTES ON THIS DRAWING.

SITE PREPARATION NOTES FOR SLAB-ON-GRADE (WITHIN BUILDING ENVELOPE)

1. THE AREA WITHIN THE BUILDING SHALL BE STRIPPED OF THE UPPER LAYER SOIL, FILL, ORGANICALLY CONTAMINATED MATERIAL AND RUBBLE AND TO A MINIMUM OF 200mm (8") BELOW THE UNDERSIDE OF THE SLAB ON GRADE.
2. THE EXPOSED SUB-GRADE SHALL BE EXAMINED AND APPROVED BY THE SOIL CONSULTANT.
3. THE ENTIRE AREA SHALL BE PROOF ROLLED WITH A HEAVY COMPACTOR TO A MINIMUM OF **95%** STANDARD PROCTOR MAX. DRY DENSITY AND TO THE APPROVAL OF THE SOIL CONSULTANT.
4. ANY LOOSE OR SOFT SPOTS ENCOUNTERED SHALL BE SUB-EXCAVATED AND BACKFILLED WITH COMPACTED APPROVED MATERIAL.
5. FILL REQUIRED TO RAISE THE GRADES SHALL BE COMPRISED OF APPROVED **GRANULAR 'B' TYPE 1 CONFORMING TO OPSS 1010** PLACED IN SUCCESSIVE LOOSE 200mm(8") LAYERS EACH COMPACTED TO AT LEAST **98%** OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY.
6. THE LAYER IMMEDIATELY BELOW THE SLAB-ON-GRADE SHALL BE 150mm (6") OF **19mm CLEAR STONE** COMPACTED TO MIN. **98%** STANDARD PROCTOR MAX. DRY DENSITY.
7. ALL PROCEDURES, EQUIPMENT AND MATERIALS SHALL BE APPROVED BY THE SOIL CONSULTANT WHO SHALL CONDUCT SUFFICIENT TESTS TO ENSURE THAT THE SPECIFIED MATERIALS AND DENSITIES ARE ACHIEVED.
8. THE CONTRACTOR SHALL CO-ORDINATE WITH THE SOIL CONSULTANT AND ARRANGE A SUITABLE PROGRAM FOR SAMPLING AND INSPECTIONS, ETC. AND NOTIFY THE ARCHITECT ACCORDINGLY.
9. EXISTING ON-SITE MATERIAL **SHALL NOT** BE USED WITHIN THE BUILDING AREA FOR BACKFILLING IN TRENCHES AGAINST FOUNDATION WALLS OR UNDER SLABS-ON-GRADE.
10. REFER TO THE SPECIFICATION AND THE SOIL REPORT FOR PREPARATION OF AREAS OUTSIDE THE BUILDING ENVELOPE.

WOOD FRAMING NOTES — A08

1. GENERAL
1.1. THE FOLLOWING NOTES INDICATE ONLY THE MINIMUM REQUIREMENTS APPLICABLE TO STRUCTURAL WOOD CONSTRUCTION. SEE ALSO ARCHITECTURAL DRAWINGS AND THE SPECIFICATION (IF APPLICABLE) FOR REQUIREMENTS FOR NON-STRUCTURAL WOOD FRAMING.
1.2. WOOD CONSTRUCTION SHALL CONFORM TO CSA-086 & AND TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE.
1.3. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS OF AIR SPACES, INSULATION, ROOFING, FLOOR AND WALL FINISHES.

2. MATERIALS
2.1. LUMBER:- UNLESS OTHERWISE NOTED TO BE SPRUCE-PINE-FIR (SPF) SPECIES, GRADE NO. 2, CONFORMING TO CSA-0141 WITH A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION. LUMBER SHALL BEAR THE GRADING STAMP OF AN AGENCY APPROVED BY THE CANADIAN LUMBER STANDARDS ADMINISTRATION BOARD.
2.2. NAILS, SPIKES, AND STAPLES:
TO CSA STANDARD B111; GALVANIZED FOR EXTERIOR WORK, OR HIGHLY HUMID AREAS AND FOR TREATED LUMBER; PLAIN ELSEWHERE. NAILING OF FRAMING UNLESS OTHERWISE NOTED, SHALL CONFORM TO ARTICLE 9.23.3 IN THE ONTARIO BUILDING CODE.
2.3. ROUGH HARDWARE:
BOLTS, NUTS, WASHERS, LAGS, PINS, SCREWS, ALL TO BE HOT DIP GALVANIZED.
2.4. WOOD PRESERVATIVES (PRESSURE TREATED):
WHERE REQUIRED TO CONFORM TO CSA-080 SERIES
2.5. FRAMING ANCHORS:
FRAMING ANCHORS, JOIST HANGERS, BEAM HANGERS, POST CAPS, POST ANCHORS, BACK-UP CLIPS AND ANGLES, UNLESS OTHERWISE SHOWN ON THE STRUCTURAL DRAWINGS, ARE ALL TO BE AS MANUFACTURED BY AN APPROVED EQUAL, SIZED TO THE JOB AT HAND. ALL ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS UTILIZING "SPECIAL" NAILS WHERE REQUIRED.

3. GLUED-LAMINATED TIMBER (GLULAM)
3.1. BEAMS SHALL BE AS SUPPLIED BY AN APPROVED MANUFACTURER.
3.2. WOOD VENEERS & ADHESIVES:
SHALL BE IN ACCORDANCE WITH APPROVED MANUFACTURER'S STANDARDS AND APPLICABLE CSA STANDARDS.
3.3. ALL MEMBERS SHALL BEAR IDENTIFICATION MARKS OF THE MANUFACTURER.
3.4. EXECUTION:
.1 NOTCHING & DRILLING:
PERMITTED ONLY WITH APPROVAL AND WITHIN THE LIMITATIONS SPECIFIED IN THE ONTARIO BUILDING CODE.
3.5. GLULAM TIMBER PRODUCTS SHALL CONFORM TO CSA-086, CSA-0122 AND BE MANUFACTURED IN ACCORDANCE WITH CSA-0177.
3.6. CONNECTIONS TO CONFORM TO CSA-G40.20/G40.21, PRIMED OR GALVANIZED AS NOTED TO CGSB-1.40 OR CSA-G164. WELDING TO CSA-W59 ND W47.1.
3.8. SUBMIT SHOP DRAWINGS AS DIRECTED.

ROOF FRAMING PLAN NOTES:

1. UNDERSIDE OF ROOF DECK AT PERIMETER AND HIGH POINTS TO BE 0.0mm BELOW ROOF DATUM ELEVATION +3533mm, EXCEPT AS NOTED ON PLAN U.O.D. = UNDERSIDE OF DECK.
2. ROOF DECK TO SLOPE TO DRAINS AS SHOWN ON PLAN AND ARCHITECTURAL DRAWINGS.
3. TOP OF STEEL BEAMS SUPPORTING STEEL DECK ARE 0.0mm BELOW U.O.D. TOP OF STEEL BEAM SUPPORTING JOISTS ARE 150mm BELOW U.O.D EXCEPT AS SHOWN THUS ± ON PLAN.
4. OWSJ SHOES TO 150mm DEEP UNLESS NOTED.
5. FOR LOADING SEE ROOF LOADING SCHEDULE ON THIS DRAWINGS.
6. OPEN WEB STEEL JOISTS SHALL BE DESIGNED TO SUPPORT TOTAL DEAD, SNOW AND SPACING AS SHOWN ON PLAN. LOADS. IN ADDITION, OWSJ SHALL BE DESIGNED FOR ADDITIONAL LOADS SHOWN ON PLAN, ACCUMULATED SNOW DRIFT LOADS (ASL) AND FOR POINT LOADS OF BRACING AND MECHANICAL EQUIPMENT, IN EXCESS OF 2.0 kN PER JOIST.
7. JOISTS AND BEARING ANCHORAGES SHALL BE DESIGNED TO RESIST UPLIFT DUE TO WIND AS REQUIRED BY THE ONTARIO BUILDING CODE AND IN NO CASE LESS THAN THE GREATER OF THOSE INDICATED ON THE WIND UPLIFT KEY PLAN.
8. OWSJ SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
9. PROVIDE CONTINUOUS TOP AND BOTTOM CHORD BRIDGING FOR OWSJ IN ACCORDANCE WITH CSA-S16.1 IN NO CASE LESS THAN AS SHOWN ON PLAN.
10. PROVIDE BOTTOM CHORD BRACING FOR ALL JOISTS NEAR THE FIRST BOTTOM CHORD PANEL POINT. BRIDGING CANNOT BE CONSIDERED AS BRACING.
11. "TJ" NOTED AGAINST JOIST DENOTES "TIE JOIST" I.E EXTEND BOTTOM CHORD AND CONNECT TO SUPPORT. TIE JOIST TO BE DESIGNED FOR 1% OF THE COLUMN AXIAL LOAD. SEE COLUMN SCHEDULE.
12. LIVE LOAD DEFLECTION OF ROOF JOISTS SHALL NOT EXCEED 1/240 OF SPAN UNLESS OTHERWISE NOTED.
13. STEEL ROOF DECK SHALL BE DESIGNED TO SUPPORT SPECIFIED TOTAL DEAD AND LIVE LOADS. MINIMUM BASE NOMINAL THICKNESS (BNT) OF STEEL DECK SHALL BE 0.76 MM.
14. NO HANGERS OR BRACKETS SUPPORTING MECHANICAL EQUIPMENT OR PIPING SHALL BE HUNG FROM ROOF DECK.
15. STEEL ROOF DECK SHALL BE INSTALLED FOR DIAPHRAGM ACTION IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE CANADIAN SHEET STEEL BUILDING INSTITUTE AND TYPICAL NOTES.
16. LOCATION OF MECHANICAL EQUIPMENT AND MECHANICAL EQUIPMENT LOADS ARE TO BE CONFIRMED BY MECHANICAL CONTRACTOR BEFORE STRUCTURAL STEEL IS FABRICATED. REFER TO MECHANICAL DRAWINGS. UNLESS OTHERWISE APPROVED, MECHANICAL EQUIPMENT AND PIPING MUST BE HUNG FROM OWSJ PANEL POINTS AND HANGER SPACING SHALL NOT EXCEED 3.0 M.
17. FRAME ALL ROOF OPENINGS AND MECHANICAL UNITS AS SHOWN ON TYPICAL DETAILS UNLESS NOTED.
18. SUBMIT DETAILS TO STRUCTURAL CONSULTANT FOR REVIEW FOR ALL OPENINGS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS.
19. "M" DENOTES MOMENT CONNECTION. FACTORED MOMENT AS SPECIFIED ON DRAWINGS IS IN kN METRES.
20. MOMENT CONNECTIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
21. AN INDEPENDENT INSPECTION AND TESTING COMPANY IS TO INSPECT STRUCTURAL STEEL AND STEEL DECK IN THE SHOP AND IN THE FIELD FOR WELDING, CONNECTIONS, BOLT TORQUES, AND GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
22. NON-LOAD BEARING PARTITIONS SHALL BE A MINIMUM OF 25 mm CLEAR OF STRUCTURE.
23. WALL PLATES (WP) SHALL HAVE LAST DIMENSION PARALLEL TO BEAM OR JOIST WEB. SEE SCHEDULE ON DRAWINGS.
24. SEE ROOF LINTEL SCHEDULE ON THIS DRAWING.
25. REFER TO GENERAL NOTES AND SPECIFICATION FOR GRADES OF STRUCTURAL STEEL AND STEEL DECK.
26. SEE TYPICAL NOTES, TYPICAL DETAILS, COLUMN AND FOOTING SCHEDULES AND ALL OTHER DRAWINGS.
27. FOR LOCATION OF ROOF ANCHORS AND DAVIT SUPPORTS, REFER TO ARCHITECTURAL DRAWINGS. REFER TO TYPICAL DETAILS FOR CONNECTION DETAILS. SUBMIT SHOP DRAWINGS FOR REVIEW AND COORDINATION.
28. REFER TO MANUFACTURER SPECIFICATIONS FOR GLULAM.
29. ALL GLULAM SHALL BE SPRUCE-PINE 20f-E STRESS GRADE MINIMUM AND "QUALITY GRADE" IN APPEARANCE.

ROOF LOADING SCHEDULE

ROOF USE \ LOADING	SUPERIMPOSED DEAD LOAD (kPa)	SNOW LOAD (kPa)
STEEL DECK ROOF	0.91	1.75
GENERAL ROOF	1.11	1.75 +ASL
CORRIDOR ROOF	1.26	1.75
MECHANICAL PENTHOUSE ROOF	1.76	1.75

IN ADDITION TO UNIFORM LOADING SHOWN, REFER TO ROOF PLAN FOR ADDITIONAL LOADING FOR AND FOR POINT LOADS OF BRACING AND MECHANICAL EQUIPMENT.

IN ADDITION TO UNIFORM LOADING SHOWN, DESIGN JOISTS FOR ANY CONCENTRATED LOADS RESULTING FROM MECHANICAL PIPING OR AS A MINIMUM, DESIGN FOR POINT LOAD OF 3 kN AT ANY LOCATION.

NOTE: ROOFING SINGLE PLY = 0.72 kPa HAS BEEN INCLUDED IN THE ABOVE TABLE

NOTE:
PAVER LOADING, IF APPLICABLE. SHALL BE COORDINATED WITH THE EXTENTS SHOWN IN THE ARCHITECTURAL DRAWINGS. WEIGHTS SHALL BE COORDINATED WITH THE SPECIFICATIONS AND FINAL PRODUCT SHOP DRAWINGS.

MASONRY CORE FILL SCHEDULE — M20

MASONRY CORE FILL SCHEDULE

TYPE	SIZE	REINF	REMARKS
C1	t x 400	2-15 VERT. CONT.	
C2	t x 600	3-15 VERT. CONT.	
C3	t x 800	4-15 VERT. CONT.	
C4	t x 400 x 400	4-15 VERT. CONT.	

t DENOTES THE WALL THICKNESS

MASONRY CORE FILLS NOTES:
1. PROVIDE CORE FILLS AS NOTED ON PLAN AND PROVIDE REINFORCEMENT AS SHOWN IN SCHEDULE.
2. CORE FILLS EXTEND FULL HEIGHT OF WALL, FLOOR TO FLOOR UNLESS NOTED.
3. INSTALL ALL REINFORCEMENT FULL HEIGHT BETWEEN FLOORS AND GROUT CORE SOLID FULL HEIGHT BETWEEN FLOORS UNLESS NOTED.
4. WHERE CORE FILL CONTINUES TO NEXT FLOOR ABOVE, EXTEND INDICATED VERTICAL REINFORCEMENT TO PROVIDE SPECIFIED CLASS "B" TENSION LAP SPLICE WITH REINFORCEMENT OF CORE ABOVE. WHERE MASONRY WALLS START ON TOP OF STEEL BEAMS, PROVIDE WELDABLE REINFORCING DOWELS TO MATCH REINFORCING NOTED IN THIS SCHEDULE, OR EQUIVALENT D2L DEFORMED BAR ANCHORS
5. PROVIDE 15M DOWELS IN FOUNDATION WALLS FOR ALL WALL REINFORCEMENT UNLESS NOTED OTHERWISE.
6. REFER TO M04 FOR LAP LENGTHS FOR VERTICAL BARS AND DOWELS.
7. REFER TO CORE FILLS SCHEDULE FOR DETAILS AND REINFORCEMENT.
8. PROVIDE CORE FILL C1 AT EACH SIDE OF OPENINGS U/N OTHERWISE NOTED ON PLANS AND/OR SECTIONS.
a) PROVIDE C1 AT UNSUPPORTED ENDS OF WALLS U/N.
b) PROVIDE C1 AT EACH SIDE OF MOVEMENT JOINTS U/N.
9. PROVIDE CORE FILL C4 AT ALL WALL CORNERS U/N OTHERWISE IN PLANS AND/OR SECTIONS.
10. PROVIDE RS OR VS SERIES MOVEMENT JOINT BY BLOK-LOK OR EQUIVALENT FOR ALL VERTICAL MOVEMENT JOINTS IN EXTERIOR MASONRY WALLS EXCEEDING 4m IN HEIGHT.
11. REINFORCE ALL MASONRY SILLS, INTERIOR AND EXTERIOR, AS PER THE REINFORCING INDICATED IN THIS SCHEDULE. GROUT TOP TWO COURSES OF ALL SILLS SOLID. FULLY GROUT ALL EXTERIOR SILLS.

TYPICAL MASONRY WALL REINFORCING SCHEDULE

VERTICAL BLOCK WALL REINFORCING LOAD BEARING AND NON-LOAD BEARING WALLS SCHEDULE:(TYP. U/N NOTED)

140mm 10M @ 1200 o/c MAX.
190mm 15M @ 800 o/c MAX.
240mm 15M @ 600 o/c MAX.
290mm 2-15M @ 1000 o/c MAX.

HORIZONTAL WALL REINFORCING FOR MASONRY BLOCK WALLS - EXTERIOR WALLS:

190mm - EXTRA HEAVY BLOK-LOK BL10 OR EQUIV. @ 200 o/c MAX.
240mm - EXTRA HEAVY BLOK-LOK BL10 OR EQUIV. @ 200 o/c MAX.
290mm - EXTRA HEAVY BLOK-LOK BL30 OR EQUIV. @ 200 o/c MAX.

-INTERIOR WALLS: (140, 190, 240, 290mm)
- STANDARD BLOK-LOK BL10 OR EQUIV. @ 400 o/c MAX.

CONCRETE MIX SCHEDULE

EXPOSURE	ELEMENT	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS [1] (MPa)	EXPOSURE CLASSIFICATION	NOTES
GENERAL NON-EXPOSED CONCRETE (i.e., NOT EXPOSED TO CHLORIDES NOR FREEZE AND THAW)	FOOTINGS	25	N	
	OTHER WALLS (NOT IDENTIFIED AS SHEAR WALLS)	25	N	
	SLAB ON GRADE	25	N	
	LEAN MIX	5	N	
	HOUSEKEEPING PADS	25	N	
	TOPPINGS [4]	25	N	
	UNSHRINKABLE FILL	0.4 MAX.	N	
EXTERIOR EXPOSED CONCRETE EXCLUDING PARKING (i.e., EXPOSED TO FREEZE AND THAW BUT NOT CHLORIDES)	FOUNDATION/RETAINING WALLS	25	F-2	
	OTHER WALLS (NOT IDENTIFIED AS SHEAR WALLS)	25	F-2	
	SLAB ON GRADE [2], SIDEWALKS	32	C-2	
AREAS EXPOSED TO CHLORIDES	FOOTINGS	35	C-1	
	PIERS	35	C-1	
	FOUNDATION/RETAINING WALLS	35	C-1	
	FROST SLABS	35	C-1	
GROUT	MASONRY FILL/BOND BEAMS	15 (FINE GROUT)		CONFORM TO REQUIREMENTS OF CSA A179

1) STRENGTH SPECIFIED AT 28 DAYS U.N.O IN DRAWINGS AND SCHEDULES.
2) REINFORCED WITH SYNTHETIC FIBERS ADDED AT BATCHING PLANT - SEE SPECIFICATIONS
3) REFER TO CAST-IN-PLACE CONCRETE NOTES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATED TO MASS CONCRETE CASTING FOR ALL ELEMENTS > 1.0m IN DEPTH.
4) 10mm MAX. AGGREGATE SIZE.

MECHANICAL LINTEL SCHEDULE

LINTELS IN LOAD BEARING WALLS OVER MECHANICAL DUCTS ETC.

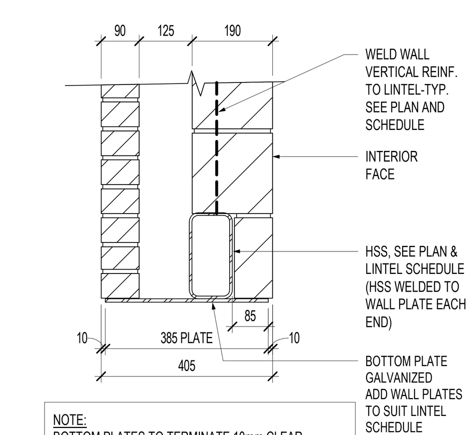
MARK	WALL THICKNESS	CLEAR SPAN	MATERIAL	TYPE	NOTES
ML	190	200-550	175x8 PLATE	—	
ML	190	550-1220	2-L90x90x6	⅃L	
ML	240	200-550	225x8 PLATE	—	
ML	240	550-1220	2-L100x100x8	⅃L	
ML	290	200-550	275x8 PLATE	—	
ML	290	550-1220	3-L90x90x6	⅃L L	
ML	190 + 90	200-550	175x8 PLATE + 80x8 PLATE	— —	CAVITY WALLS EXTERIOR ANGLES & PLATES GALVANIZED UNLESS NOTED
ML	190 + 90	550-1220	2-L90x90x6 + 1-L90x90x6	⅃L L	
ML	240 + 90	200-550	225x8 PLATE + 80x8 PLATE	— —	
ML	240 + 90	550-1220	2-L100x100x8 + 1-L90x90x6	⅃L L	
ML	290 + 90	200-550	275x8 PLATE + 80x8 PLATE	— —	
ML	290 + 90	550-1220	3-L90x90x6 + 1-L90x90x6	⅃L L L	

1 FOR LINTELS MARKED ML ON DRAWINGS.
2 FOR SPANS LESS THAN 200mm - NO LINTEL REQUIRED.
3 FOR SPANS GREATER THAN 1200mm, SEE PLANS AND MAIN LINTEL SCHEDULE.

WHILE EVERY EFFORT HAS BEEN MADE TO SHOW ALL LINTELS WHICH OCCUR IN LOAD BEARING MASONRY WALLS, IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE CORRECT SIZES AND QUANTITY OF LINTELS ARE PROVIDED

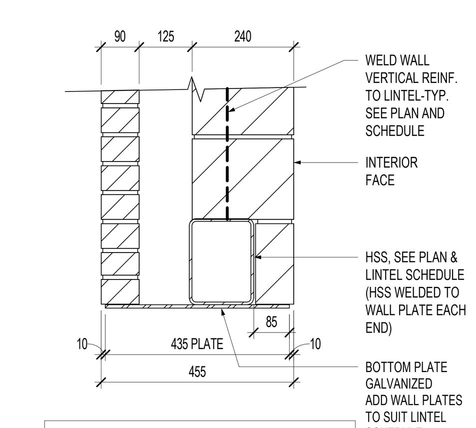
LINTELS IN NON-LOAD BEARING WALLS AND PARTITIONS ARE GENERALLY NOT SHOWN ON THE DRAWINGS. ALL SUCH LINTELS SHALL BE PROVIDED AS REQUIRED AND SHALL CONFORM TO THE NOTES & TYPICAL DETAILS ON THE STRUCTURAL DRAWINGS

PROVIDE MECHANICAL LINTELS IN ACCORDANCE WITH TYPICAL DETAILS AND NOTES FOR ALL DUCTS AND PIPES PASSING THROUGH MASONRY WALLS



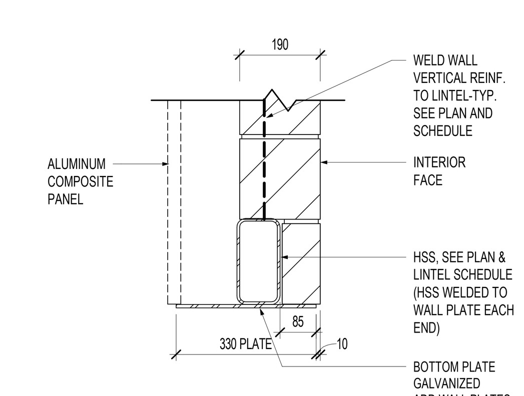
NOTE:
BOTTOM PLATES TO TERMINATE 10mm CLEAR OF SUPPORTING MASONRY-VERIFY WITH ARCH.

DL1 S1-00 DETAIL 1 : 10



NOTE:
BOTTOM PLATES TO TERMINATE 10mm CLEAR OF SUPPORTING MASONRY-VERIFY WITH ARCH.

DL2 S1-00 DETAIL 1 : 10



NOTE:
BOTTOM PLATES TO TERMINATE 10mm CLEAR OF SUPPORTING MASONRY-VERIFY WITH ARCH.

DL3 S1-00 DETAIL 1 : 10

ROOF LINTEL SCHEDULE

REFER TO LINTEL NOTES A07 ON TYPICAL DETAIL DRAWINGS
SEE ALSO SPECIFICATION

MARK	MATERIAL	TYPE	REMARKS
RL1	(2)-L89x89x6.4	⅃L	
RL2	(2)-L127x89x7.9 (LLV)	⅃L	
RL3	W200x27 + 170x8mm BOTTOM PLATE	I	WP1 E.E.** LINTEL CENTRED ON WALL
RL4	HSS 203x102x6.4 + 385x8mm BOTTOM PLATE	□	WP1 E.E.** SEE DL1/S1-00
RL5	HSS 203x102x13 + 385x8mm BOTTOM PLATE	□	WP1 E.E. ** OR CONNECT TO COL. WHERE INDICATED ON PLAN. SEE DL1/S1-00
RL6	W250x33 + 220x8mm BOTTOM PLATE	I	WP2 E.E.** LINTEL CENTRED ON WALL
RL7	HSS 203x102x6.4 + 330x8mm BOTTOM PLATE	□	WP1 E.E.** SEE DL3/S1-00
RL8	(2)-L102x102x7.9	⅃L	
RL9	(2)-L89x89x6.4 + L89x89x6.4	⅃L L	

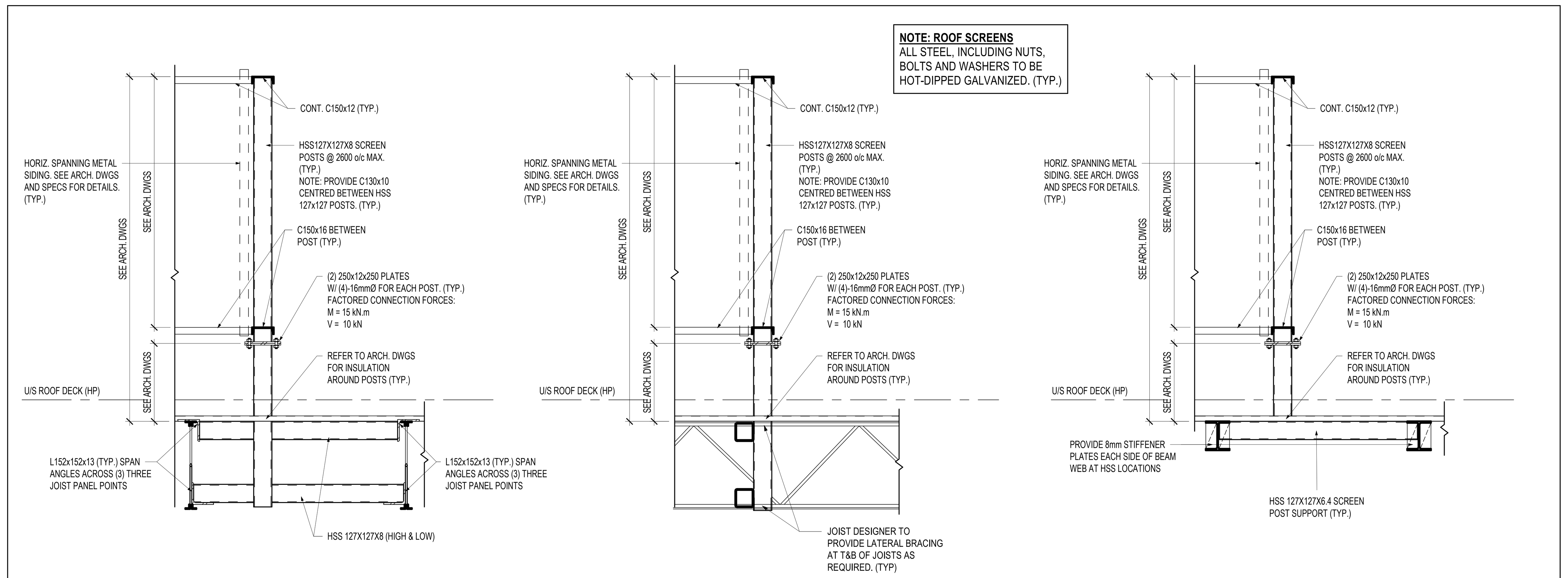
LENGTHS MAY VARY

Tf = 10kN.M TORSION CONNECTION
ALL EXTERIOR LINTELS SUPPORTING FACE BRICK TO BE GALVANIZED

** WELDED TO LINTEL EACH END.

WALL PLATE SCHEDULE
(LAST DIMENSION PARALLEL TO WEB)

MARK	MATERIAL	REMARKS
WP1	180x15x180	(2)13Ø A.BOLTS x 150 LG.
WP2	225x20x225	(2)13Ø A.BOLTS x 150 LG.



TYPICAL ROOF TOP UNIT SCREEN POST CONNECTION DETAILS

NOTE: EXISTING CONDITIONS AS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED UPON INFORMATION AVAILABLE AT THE TIME THAT DRAWINGS WERE PREPARED AND ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE ANY VARIATIONS ARE TO BE REPORTED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING.

KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR, 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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.

LICENSED PROFESSIONAL ENGINEER
26-05-01
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

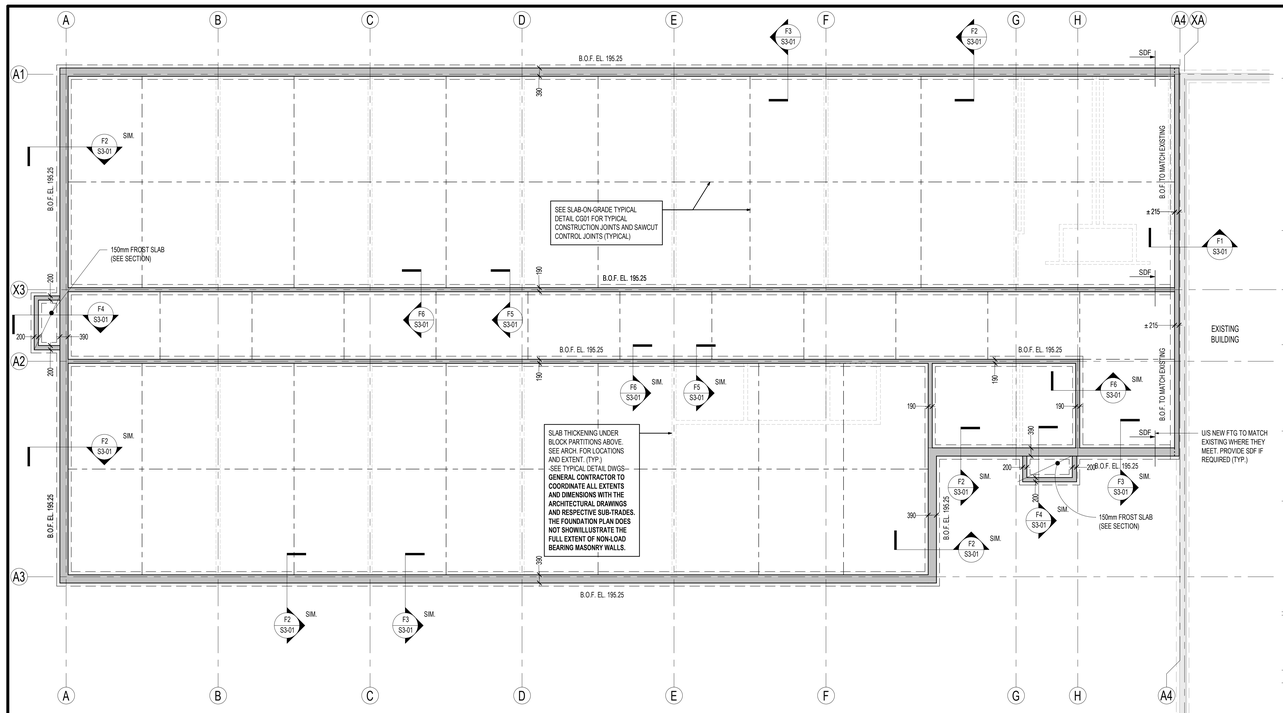
LEGAL DESCRIPTION:

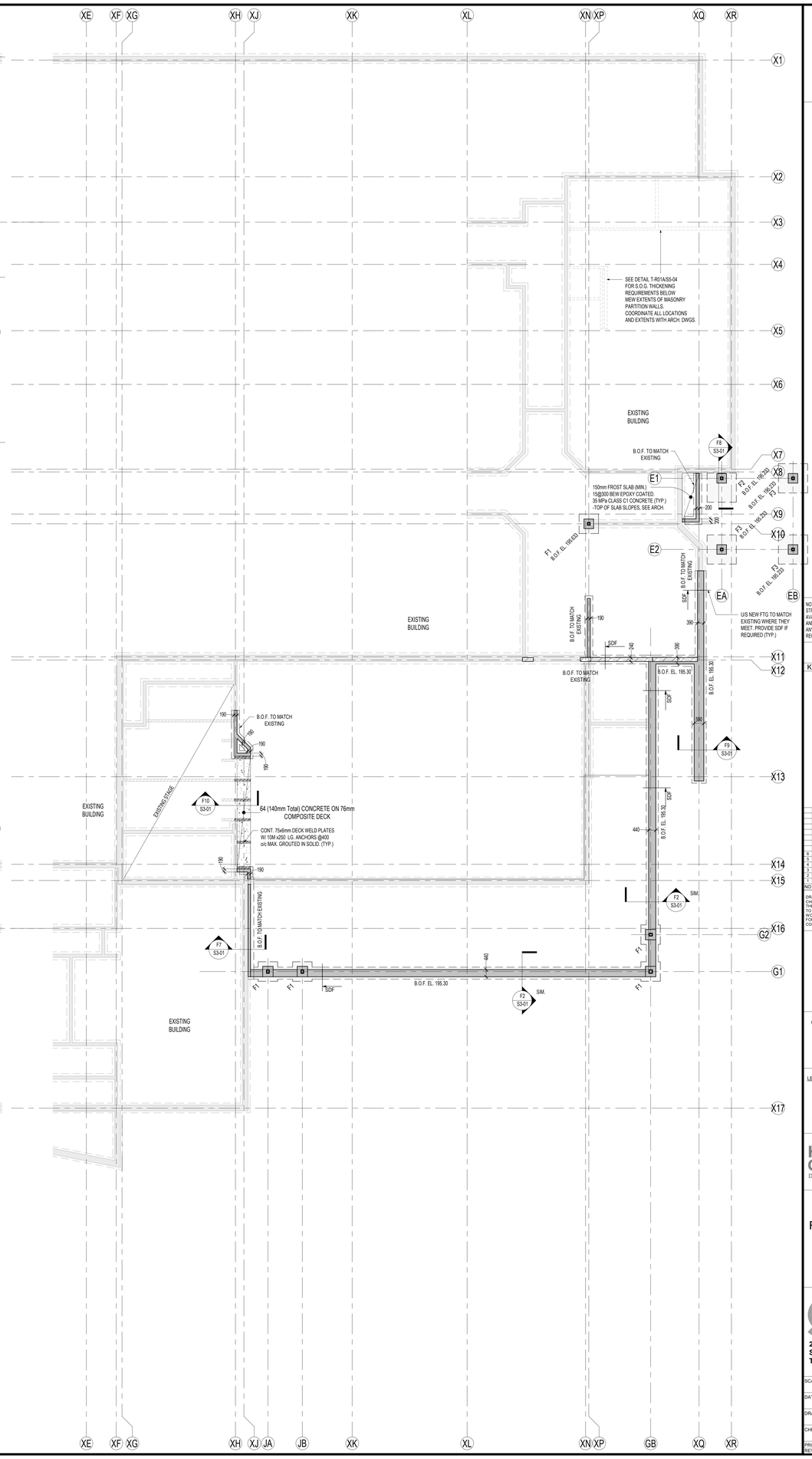
HALTON CATHOLIC DISTRICT SCHOOL BOARD

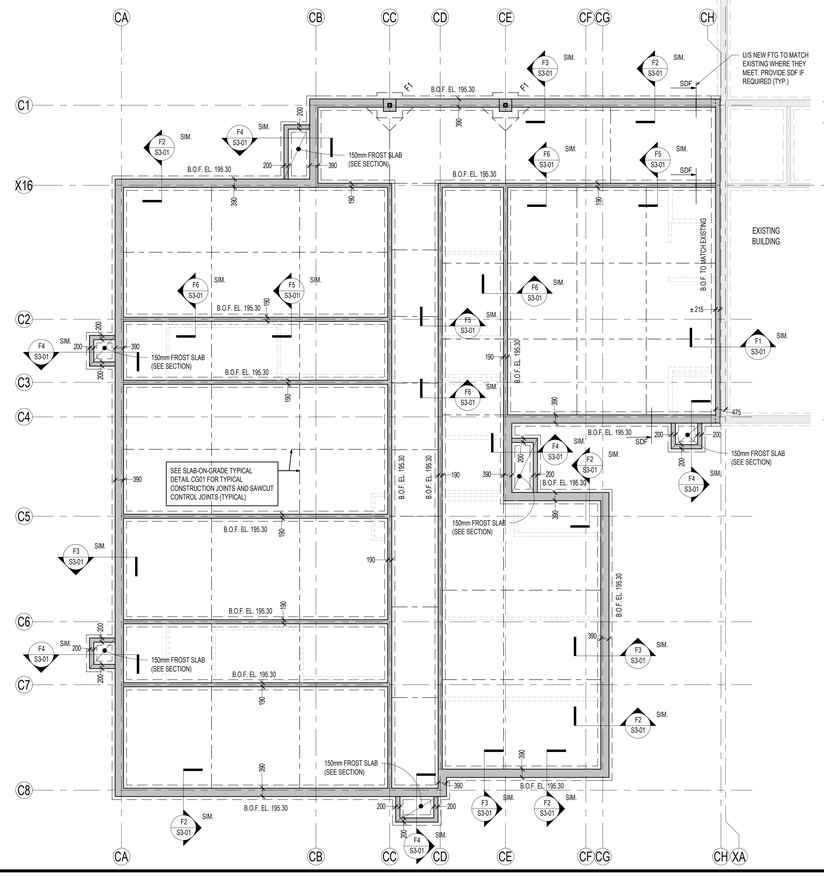
DESIGN CRITERIA NOTES, MISC DETAILS AND SCHEDULES

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE As indicated	PROJECT 2549-01310
DATE MAY 2026	
DRAWN AE	DRAWING S1-00
CHECKED CG / JG	
PRINT DATE	2026-04-28 8:47:59 AM
REVIT FILE	







FOOTING SCHEDULE				
FOOTING NUMBER	FOOTING LENGTH	FOOTING WIDTH	FOOTING THICKNESS	FOOTING REINF. B.E.W. U/N * INDICATES REINF. 180 DEGREE HOOKED E.E.
F1	1200	1200	300	4-15M*
F2	1800	1800	550	SEE SECTION F8
F3	1800	1800	300	8-15M T&BEW*

NOTE:
REFER DRAWING S1-00 FOR PLAN NOTES, MICS DETAILS AND SCHEDULES.

WHERE MECHANICAL SERVICE PIPES PASS THROUGH LOAD BEARING FOUNDATION WALLS, PROVIDE STEEL SLEEVES (MIN.50Ø) LARGER THAN PIPE (TYPICAL)

LOWER ELEVATIONS AT UNDERSIDE OF COLUMN AND WALL FOOTINGS, WHERE REQUIRED, BUT LIMITED TO SUIT STORM / SANITARY, WATER / FIRE LINES AND ELECTRICAL DUCT BANKS.
THE MAXIMUM SLOPE FROM THE PIPE EXCAVATION TO THE UNDERSIDE OF ADJACENT FOOTING ELEVATIONS SHALL NOT EXCEED 7 VERTICAL TO 10 HORIZONTAL.

NOTE: EXISTING CONDITIONS AS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED UPON INFORMATION AVAILABLE AT THE TIME THAT DRAWINGS WERE PREPARED AND ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE. ANY VARIATIONS ARE TO BE REPORTED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING.

KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR. 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 90% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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LICENSED PROFESSIONAL ENGINEER
25-05-01
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

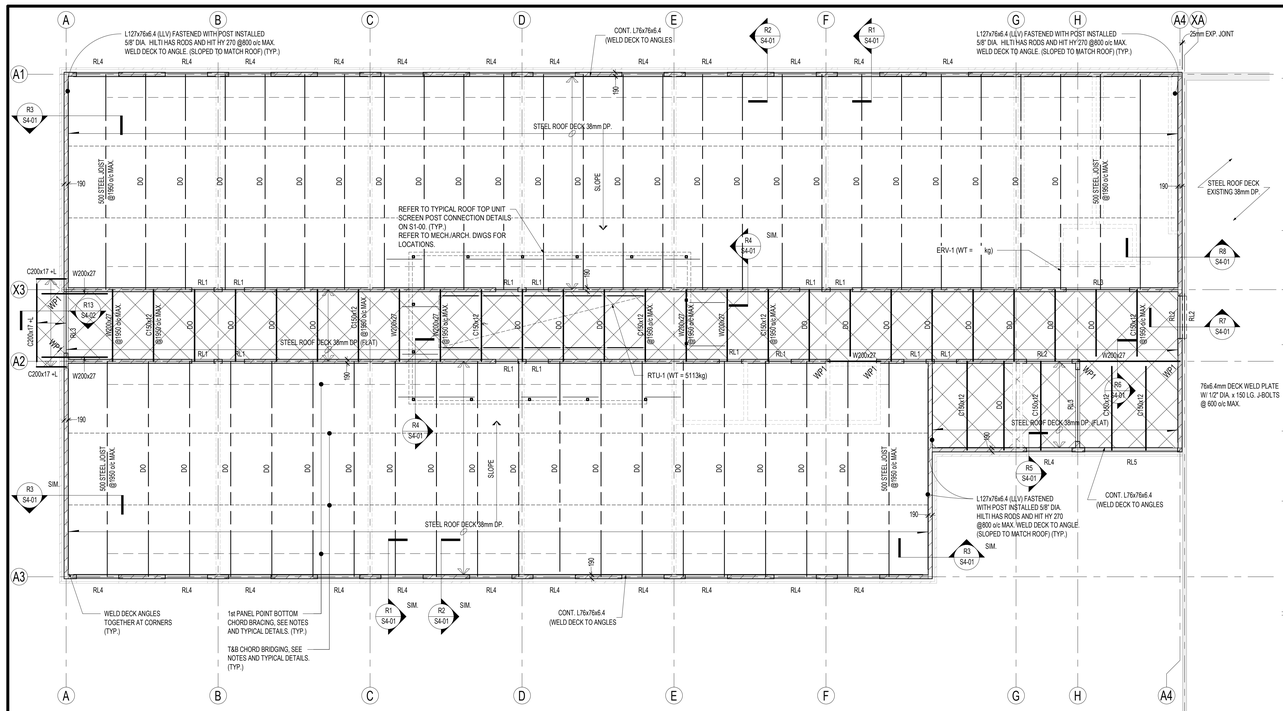
LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

FOUNDATION PLAN

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE As indicated	PROJECT 2549-01310
DATE MAY 2026	
DRAWN AE	DRAWING S1-01
CHECKED CG / JG	
PRINT DATE REVIT FILE	2026-04-28 8:48:01 AM



NOTE:
ALL EXPOSED STEEL TO BE HOT-DIPPED GALVANIZED, INCLUDING NUTS, BOLTS AND WASHERS. (TYP.)

NOTE:
ALL EXPOSE BLOCK INFILL TO MATCH BLOCK COURSING. -REFER TO ARCH. DWGS. (TYP.)

NOTE:
REFER TO DRAWING S1-00 FOR PLAN NOTES, DETAILS AND MISC. SCHEDULES

NOTE:
SEE ARCHITECTURAL DWGS FOR BASKETBALL BACK-STOPS SUSPENDED FROM JOISTS, ADD LOADS AS REQUIRED. (TYP.)

= FLAT ROOF

= WALLS SHADED AS THUS REQUIRE CONT. LINTEL BLOCK BOND BEAM (SEE SECTIONS)

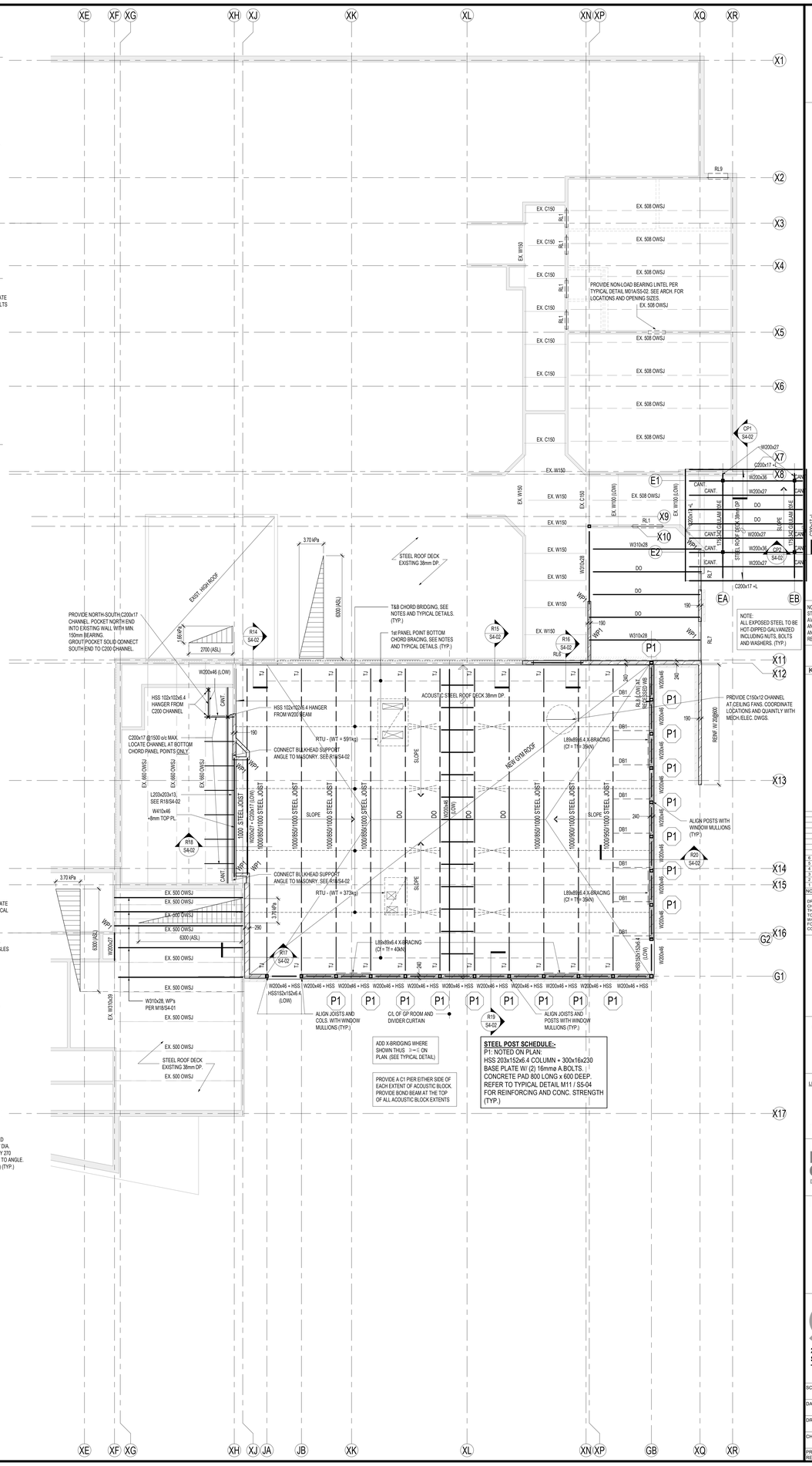
NOTE:
TRIM STEEL DECK ROOF OPENINGS AS PER TYPICAL DETAIL SR01 U/N. SUPPORT FRAMING FOR CEILING FANS AND RTU'S C150x12 (TYP. U/N). SEE MECH. DWGS FOR LOCATIONS.

COORDINATE ALL MECHANICAL RTU'S OPENING LOCATIONS TO FIT BETWEEN FRAMING AND DUCTS / SERVICES TO FIT BETWEEN OWSJ WEBS AND BRIDGING

SUPPORTED PARTITION WALLS BELOW. TYPICAL WHERE SHOWN ON PLAN. -SEE ARCH. DWGS FOR EXACT LOCATION AND EXTENTS. (TYP.)
GENERAL CONTRACTOR TO COORDINATE ALL EXTENTS AND DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND RESPECTIVE SUB-TRADES.
THE ROOF FRAMING PLAN DOES NOT SHOWILLUSTRATE THE FULL EXTENT OF NON-LOAD BEARING MASONRY WALLS BELOW.

REFER TO DRAWING S1-00 FOR MISC. MECHANICAL LINTELS FOR DUCT WORK.

NOTE:
DUCTS AND / OR ANY OTHER RECESSED MECHANICAL, ELECTRICAL OR ARCHITECTURAL ELEMENTS ARE NOT TO INTERFERE WITH VERTICAL WALL REINFORCING, WALL BEARING PLATES AND MASONRY CORE FILL PIERS.



STEEL POST SCHEDULE:-
P1: NOTED ON PLAN:
HSS 203x152x6.4 COLUMN + 300x16x230 BASE PLATE W/ (2) 16mma A BOLTS. I CONCRETE PAD 800 LONG x 600 DEEP. REFER TO TYPICAL DETAIL M11 / S5-04 FOR REINFORCING AND CONC. STRENGTH (TYP.)

NOTE:
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2	ISSUED FOR 50% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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LICENSED PROFESSIONAL ENGINEER 25-05-01 J. C. GASDIA 100165574 PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

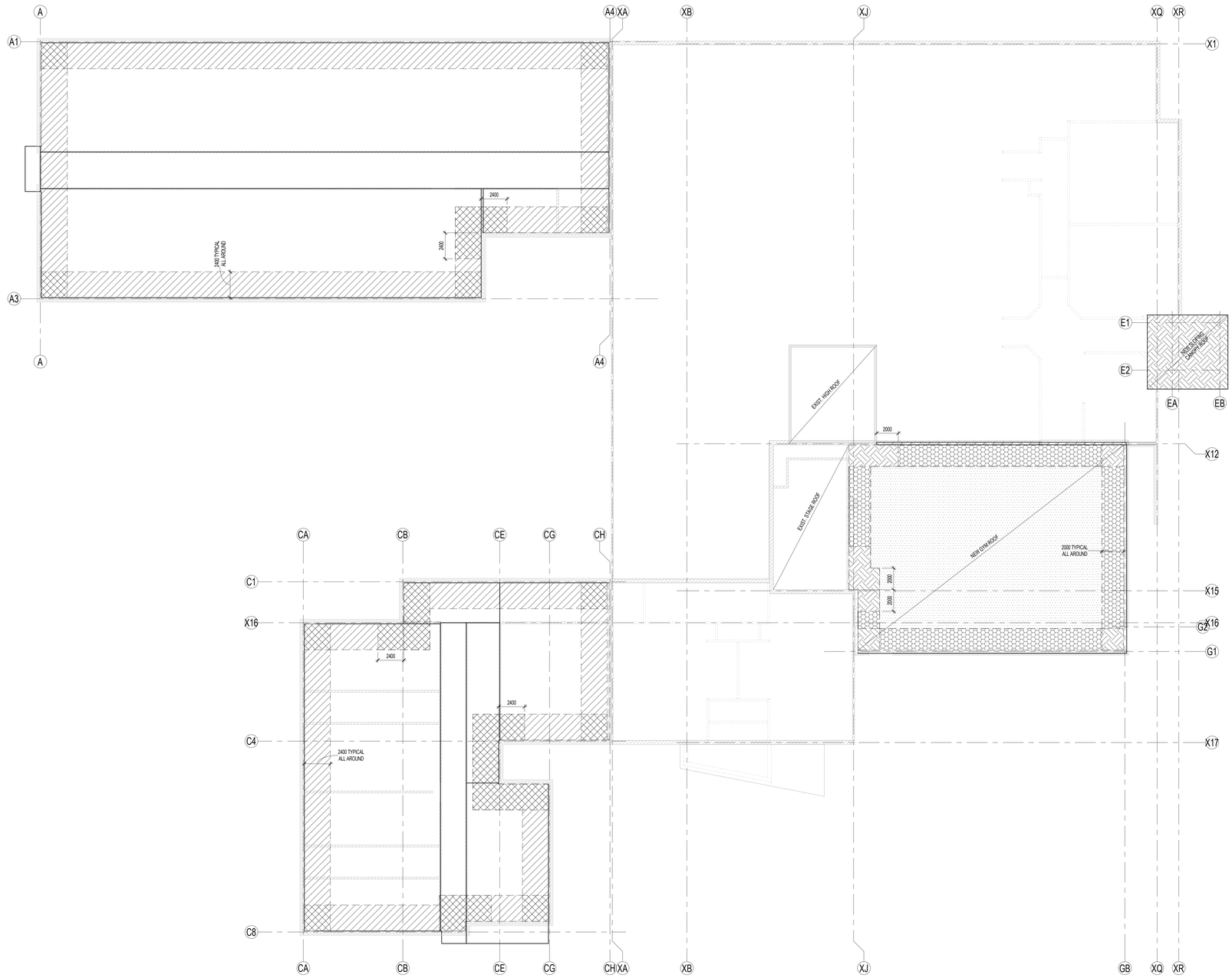
LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

ROOF FRAMING PLAN

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE: As indicated	PROJECT: 2549-01310
DATE: MAY 2026	
DRAWN: AE	DRAWING: S1-02
CHECKED: CG / JG	
PRINT DATE: 2026-04-28 8:48:05 AM	
REVIT FILE:	



WIND UPLIFT DIAGRAM PLAN
1 : 150

NOTES:

1. LOADS NOTED ARE WIND UPLIFT VALUES AND ARE NOT FACTORED.
2. ROOF JOISTS AND THEIR ANCHORAGE SHALL BE DESIGNED FOR THE MINIMUM NET UPLIFT VALUES AND NO LESS THAN THAT REQUIRED IN PART 4 OF THE ONTARIO BUILDING CODE.

LEGEND:

1.09 kPa	1.13 kPa
1.38 kPa	1.43 kPa
2.68 kPa	2.78 kPa

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WIND UPLIFT DIAGRAM PLAN

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE: As indicated	PROJECT: 2549-01310
DATE: MAY 2026	
DRAWN: AE	DRAWING: S1-03
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REVIT FILE:	

STEEL COLUMN SCHEDULE

U/S NEW GYM ROOF DECK (HP)												
U/S ROOF DECK (HP)												
	HSS152x152x6.4	HSS152x152x6.4	HSS152x152x6.4	HSS152x152x6.4	HSS152x152x6.4	HSS152x152x6.4	HSS203x203x6.4	HSS203x152x6.4	HSS203x152x6.4	HSS203x152x6.4	HSS152x152x6.4	
T/O GROUND FLOOR												
U/S B.PL. -350 (U.N.O.)			B.PL. -450	B.PL. -450	B.PL. -450	B.PL. -450						
BASE PLATE SIZE ANCHOR RODS	325x25x325 (4)-AR1	325x25x325 (4)-AR1	325x30x325 (4)-AR2	325x30x325 (4)-AR2	325x30x325 (4)-AR2	325x30x325 (4)-AR2	400x30x325 (4)-AR1	400x30x325 (4)-AR1	400x30x325 (4)-AR1	400x30x325 (4)-AR1	325x30x325 (4)-AR1	
CONC. PIER SIZE REINFORCING TIES	590x590 10-15V 10@300T	590x590 10-15V 10@300T	590x590 10-15V 10@300T	590x590 10-15V 10@300T	590x590 10-15V 10@300T	590x590 10-15V 10@300T	640x640 12-15V 10@300T	640x640 12-15V 10@300T	640x640 12-15V 10@300T	640x640 12-15V 10@300T	590x590 10-15V 10@300T	
FACTORED LOAD (kN)	50	75	150 / -45	75 / -15	150 / -50	100 / -25	100	100	100	50	100	
Column Locations	C1-CC	C1-CE	M E1-EA	M E1-EB	M E2-EA	M E2-EB	G1-GB	G1-JA	G1-JB	G2-GB	X10-XP	

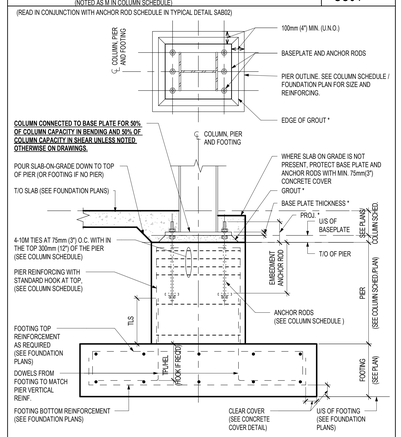
COLUMN SCHEDULE NOTES:

1. FOR GRADE OF STRUCTURAL STEEL SEE GENERAL NOTES AND SPECIFICATION.
2. LOADS FOR COLUMNS REPRESENT THE FACTORED LOAD IN KILONEWTONS APPLIED AT THE BASE OF THE COLUMN AND DO NOT INCLUDE THE WEIGHT OF THE FOUNDATION.
3. BASE PLATE AND / OR CAP PLATE DIMENSION GIVEN LAST TO BE PARALLEL WITH COLUMN WEB.
4. REFER ALSO TO TYPICAL NOTES AND DETAIL DRAWINGS.
5. REFER TO STEEL COLUMN SCHEDULE FOR ANCHOR RODS AND FOR COLUMN BASE PLATE SIZES
6. FOR ALL COLUMNS ABUTTING MASONRY, PROVIDE ADJUSTABLE MASONRY ANCHORS AS PER TYPICAL DETAIL. SEE TYPICAL DETAIL DRAWINGS.

STEEL MOMENT COLUMN BASE DETAIL — SC04

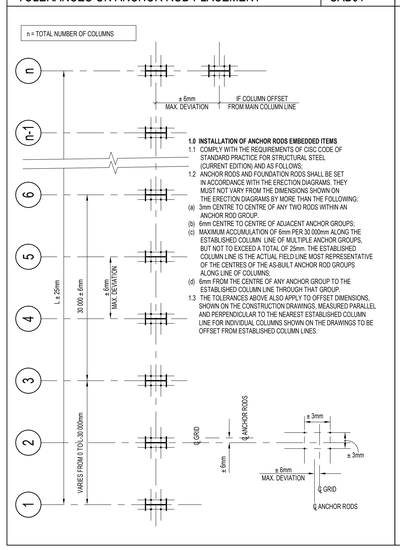
(NOTED AS M IN COLUMN SCHEDULE)

(READ IN CONJUNCTION WITH ANCHOR ROD SCHEDULE IN TYPICAL DETAIL SAB02)



NOTES:
1 FOUNDATION DESIGN MOMENT MF NOTED IN COLUMN SCHEDULE.
2 GROUT UNDER BASE PLATES SHALL BE AN APPROVED PROPRIETARY BRAND PRE-MIXED, NON-METALLIC, NON-SHRINK GROUT UNLESS OTHERWISE APPROVED.
3. LEVELING PLATES ARE NOT PERMITTED.
4. REFER TO COLUMN SCHEDULE/FOUNDATION PLAN FOR BASE PLATES, ANCHOR ROD, PIER, FOOTING DIMENSIONS AND REINFORCEMENT.
5. REFER TO A04, SAB02 FOR ANCHOR ROD GRADE.
6. REFER ALSO TO GENERAL NOTES, STEEL NOTES AND CAST-IN-PLACE CONCRETE NOTES.
7. REFER TO SPLICE AND DEVELOPMENT TABLES IN C02A, C02B, C03A AND C03B.
8. THIS DETAIL APPLIES FOR CONVENTIONAL CONSTRUCTION ONLY (Rd=1.5).
9. REFER TO SAB02 FOR ALL ITEMS MARKED WITH *

TOLERANCES ON ANCHOR ROD PLACEMENT — SAB01



1.0 INSTALLATION OF ANCHOR RODS EMBEDDED ITEMS

1.1 COMPLY WITH THE REQUIREMENTS OF CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL (CURRENT EDITION) AND AS FOLLOWS:

1.2 ANCHOR RODS AND FOUNDATION RODS SHALL BE SET IN ACCORDANCE WITH THE ERECTION DIAGRAMS. THEY MUST NOT VARY FROM THE DIMENSIONS SHOWN ON THE ERECTION DIAGRAMS BY MORE THAN THE FOLLOWING:

(a) 3mm CENTRE TO CENTRE OF ANY TWO RODS WITHIN AN ANCHOR ROD GROUP;

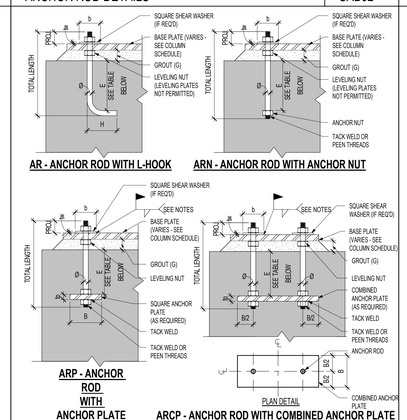
(b) 6mm CENTRE TO CENTRE OF ADJACENT ANCHOR GROUPS;

(c) MAXIMUM ACCUMULATION OF 6mm PER 30 000mm ALONG THE ESTABLISHED COLUMN LINE OF MULTIPLE ANCHOR GROUPS, BUT NOT TO EXCEED A TOTAL OF 25mm. THE ESTABLISHED COLUMN LINE IS THE ACTUAL FIELD LINE MOST REPRESENTATIVE OF THE CENTRES OF THE AS-BUILT ANCHOR ROD GROUPS ALONG LINE OF COLUMNS;

(d) 6mm FROM THE CENTRE OF ANY ANCHOR GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP.

1.3 THE TOLERANCES ABOVE ALSO APPLY TO OFFSET DIMENSIONS, SHOWN ON THE CONSTRUCTION DRAWINGS, MEASURED PARALLEL AND PERPENDICULAR TO THE NEAREST ESTABLISHED COLUMN LINE FOR INDIVIDUAL COLUMNS SHOWN ON THE DRAWINGS TO BE OFFSET FROM ESTABLISHED COLUMN LINES.

ANCHOR ROD DETAILS — SAB02



AR - ANCHOR ROD WITH L-HOOK

ARN - ANCHOR ROD WITH ANCHOR NUT

ARP - ANCHOR ROD WITH ANCHOR PLATE

ARCP - ANCHOR ROD WITH COMBINED ANCHOR PLATE

ANCHOR		ANCHOR ROD					GROUT	ANCHOR PLATE		PROJ.	SHEAR WASHER	
MARK	TYPE	DIA (Ø)	EMBED (E)	HOOK (H)	GRADE (KSI)	Hf (kN)	THICKNESS (G)	WIDTH (B)	THICK (tp)	(MIN)	WIDTH (b)	THICK (tw)
AR1	AR	3/4"	300	75	36	N/A	50	N/A	N/A	100	N/A	N/A
AR2	ARP	3/4"	300	N/A	36	5	50	60	14	100	N/A	N/A

NOTES:
1. DESIGN CONNECTION OF SHEAR WASHER TO BASE PLATE FOR H NOTED IN TABLE IN EACH PLAN DIRECTION.
H NOTED IN TABLE IN EACH PLAN DIRECTION. IF NO FORCE NOTED, CONNECT FOR FULL SHEAR CAPACITY OF ANCHOR ROD.

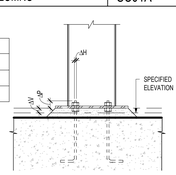
ERECTION TOLERANCES FOR STEEL COLUMNS — SC01A

(READ IN CONJUNCTION WITH SC01B, SAB02)

1. VERTICAL DEVIATION FROM SPECIFIED ELEVATION.

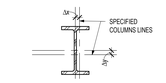
ANCHOR BOLTS:	ΔP = + 30mm (1-3/16") = - 5mm (3/16")
	ΔH = 3mm (1/8")
BASE PLATE:	ΔV = ± 5mm (3/16") SIMPLE CONSTRUCTION
	= ± 3mm (1/8") CONTINUOUS CONSTRUCTION

NOTE:
1. SEE TYPICAL DETAIL SAB02 FOR ADDITIONAL INFORMATION.



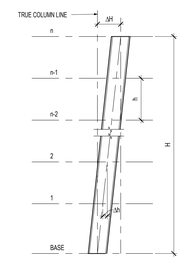
2. HORIZONTAL DEVIATION FROM SPECIFIED POSITION.

AT COLUMN BASE:	Δx/Δy = ± 5mm (3/16")



ABOVE COLUMN BASE:

EXTERIOR COLUMN/	ΔH < H/1000 TOTAL
COLUMN ADJACENT TO ELEVATOR SHAFTS:	ΔH < ± 25mm (1") TOTAL, Δh < 2mm (3/32") STOREY
ALL OTHER COLUMNS:	ΔH < H/500 AND, ΔH < ± 50mm (2") TOTAL, Δh < 4mm (3/16") STOREY



NOTES

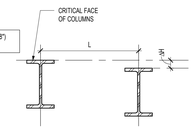
1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.

ERECTION TOLERANCES FOR STEEL COLUMNS — SC01B

(READ IN CONJUNCTION WITH SC01A)

3. HORIZONTAL DEVIATION FROM ADJACENT COLUMNS.

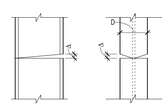
BASE LEVEL OR SPLICE LEVEL: OR = L/1000	ΔH = 10mm (3/8")



4. GAP BETWEEN BEARING SURFACES.

ΔMAX = 6mm (1/4)*

* PACK GAP WITH NON TAPERED STEEL SHIMS UNTIL AT LEAST 80% OF THE CROSS SECTIONAL AREA IS BEARING.

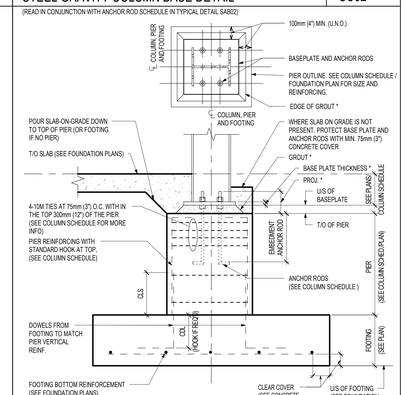


NOTES

1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.
2. FOR ERECTION TOLERANCES OF SPECIAL MEMBERS SUCH AS CRANE GIRDERS, CRANE RAILS AND MONORAIL BEAMS, SEE THE APPROPRIATE CODE RECOMMENDATIONS.
3. DEVIATIONS SHOWN FOR W-SHAPES ALSO APPLY TO BUILT-UP SECTIONS, HOLLOW STRUCTURAL SECTIONS, CHANNEL AND ANGLE SHAPES.
4. ERECTION TOLERANCES ARE TO BE MEASURED IN CALM WEATHER. RECORD AMBIENT TEMPERATURE AT TIME TOLERANCES ARE VERIFIED.

STEEL GRAVITY COLUMN BASE DETAIL — SC02

(READ IN CONJUNCTION WITH ANCHOR ROD SCHEDULE IN TYPICAL DETAIL SAB02)



NOTES:
1 FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY AS NOTED ON THE DRAWINGS.
2 GROUT UNDER BASE PLATES SHALL BE AN APPROVED PROPRIETARY BRAND PRE-MIXED, NON-METALLIC, NON-SHRINK GROUT UNLESS OTHERWISE APPROVED.
3. LEVELING PLATES ARE NOT PERMITTED.
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8. REFER TO SAB02 FOR ALL ITEMS MARKED WITH *

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100169574
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

350 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

COLUMN SCHEDULE

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE: As indicated	PROJECT: 2549-01310
DATE: MAY 2026	
DRAWN: AE	DRAWING: S2-01
CHECKED: CG / JG	
PRINT DATE: 2026-04-28 8:48:06 AM	
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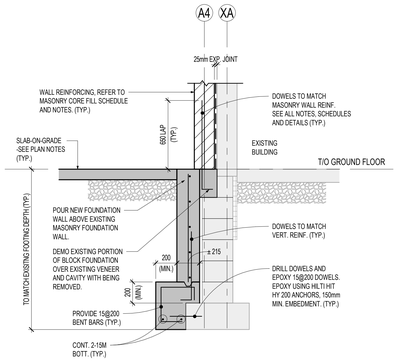

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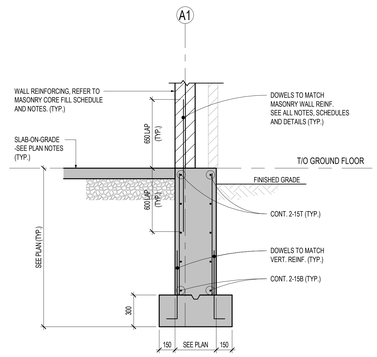
S3-01 1 : 20



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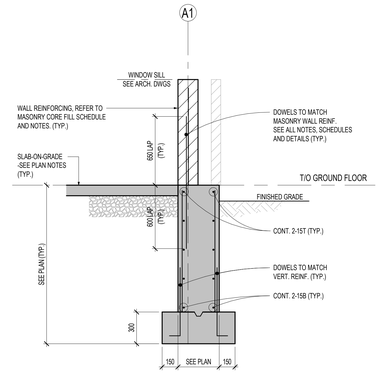

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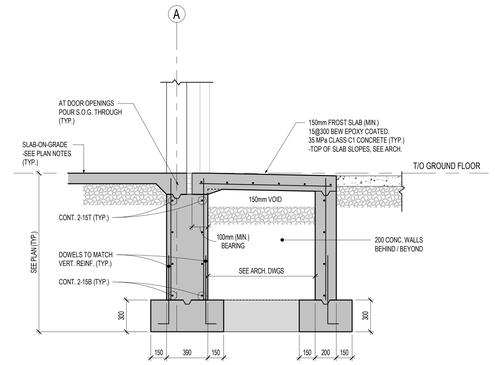

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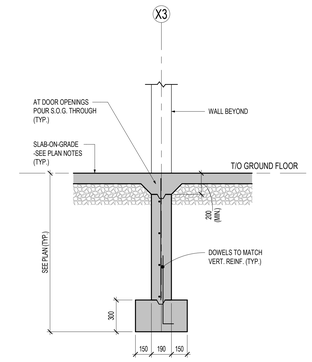

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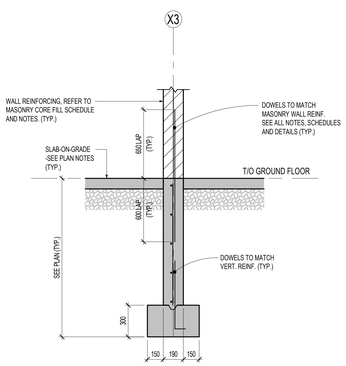

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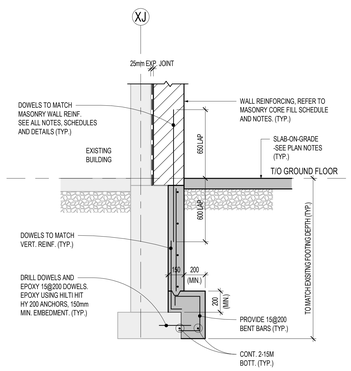

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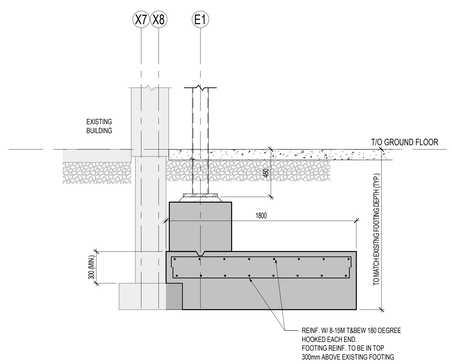

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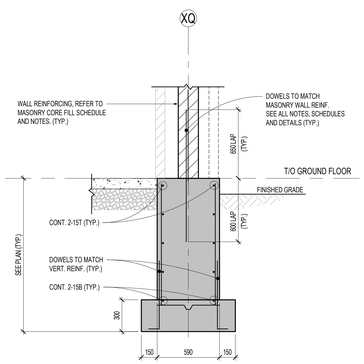

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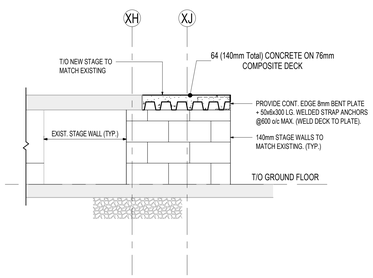

F10 SECTION
S3-01 1 : 20

TABLE 1: FOUNDATION WALL REINFORCING (UNO)

WALL THICKNESS (mm)	NOMINAL WALL REINFORCEMENT	
	HORIZONTAL	VERTICAL
>= 190/200	10@320H (CENTERED)	10@480V (CENTERED)
>= 250	10@400 HEF	10@480 VEF
>= 300	10@320 HEF	10@440 VEF
>= 350	10@280 HEF	10@380 VEF
>= 400	10@240 HEF	10@320 VEF

WALL THICKNESS (mm)	NOMINAL WALL REINFORCEMENT	
	HORIZONTAL	VERTICAL
>= 450	15@440 HEF	15@350 VEF
>= 500	15@400 HEF	15@480 VEF
>= 600	15@320 HEF	15@440 VEF

NOTE: EXISTING CONDITIONS AS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED UPON INFORMATION AVAILABLE AT THE TIME THAT DRAWINGS WERE PREPARED AND ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE. ANY VARIATIONS ARE TO BE REPORTED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING.

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4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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LICENSED PROFESSIONAL ENGINEER
25-05-01
J. C. GASDIA
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PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

FOUNDATION SECTIONS

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

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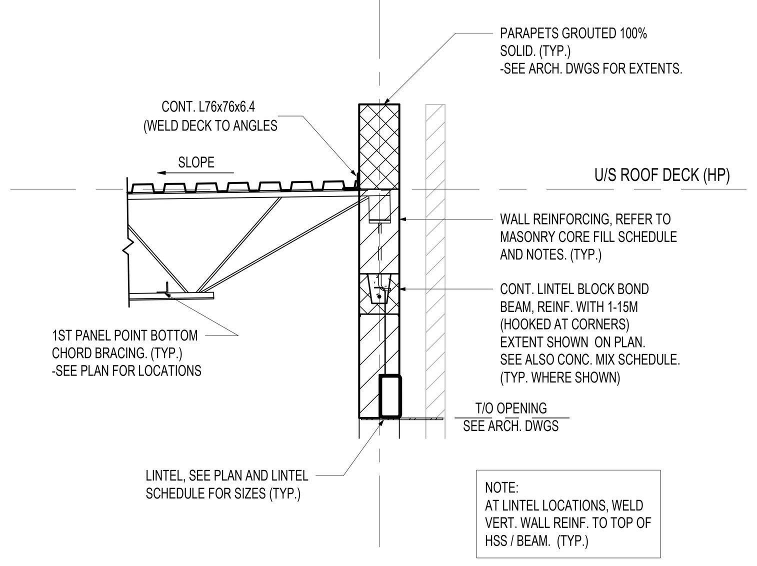

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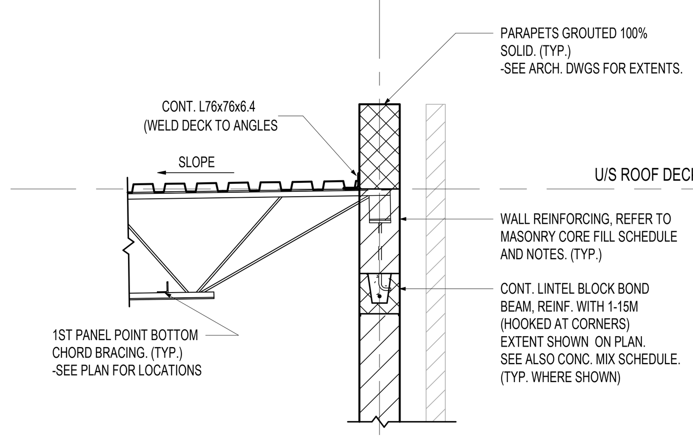
1 : 20



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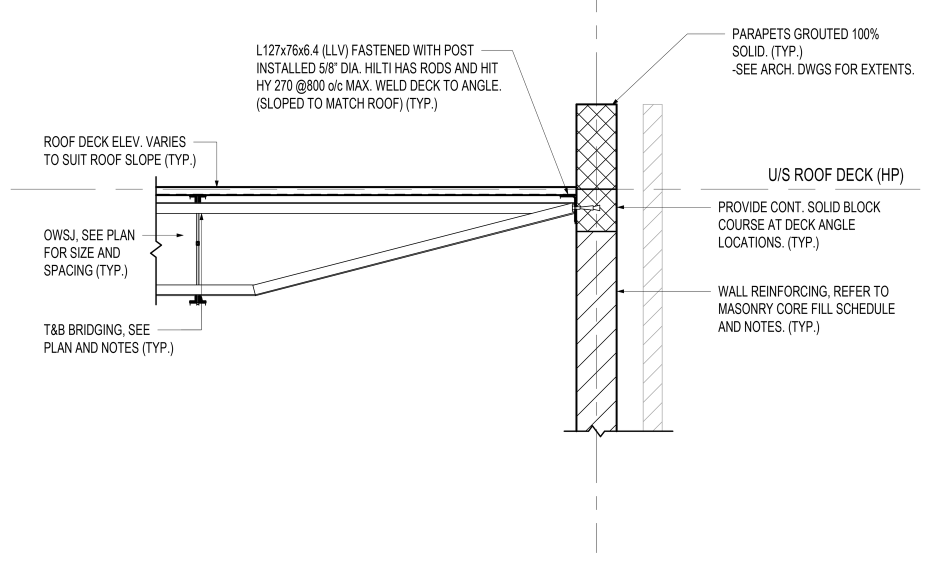

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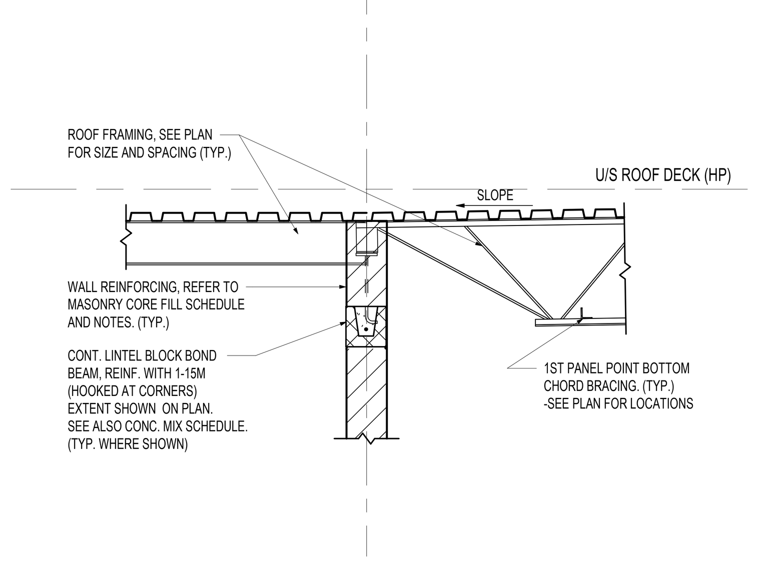

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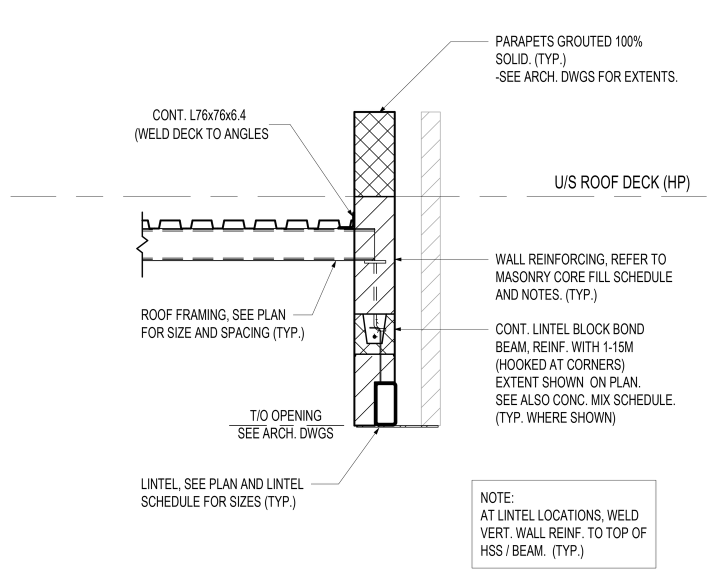

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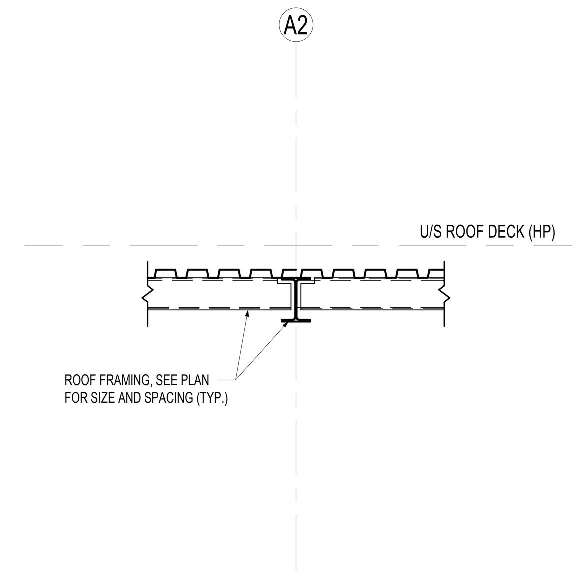

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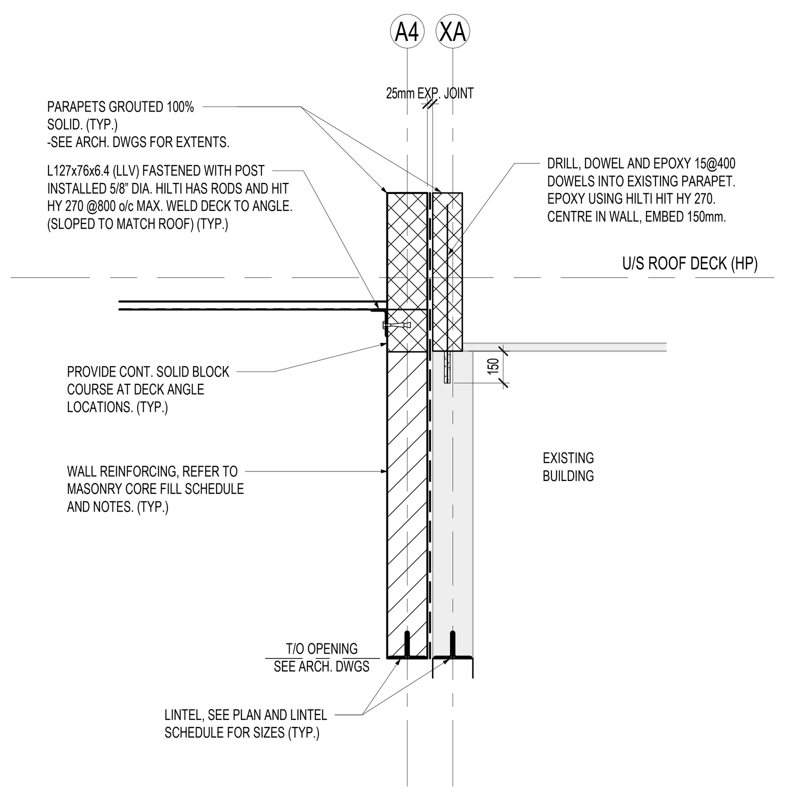

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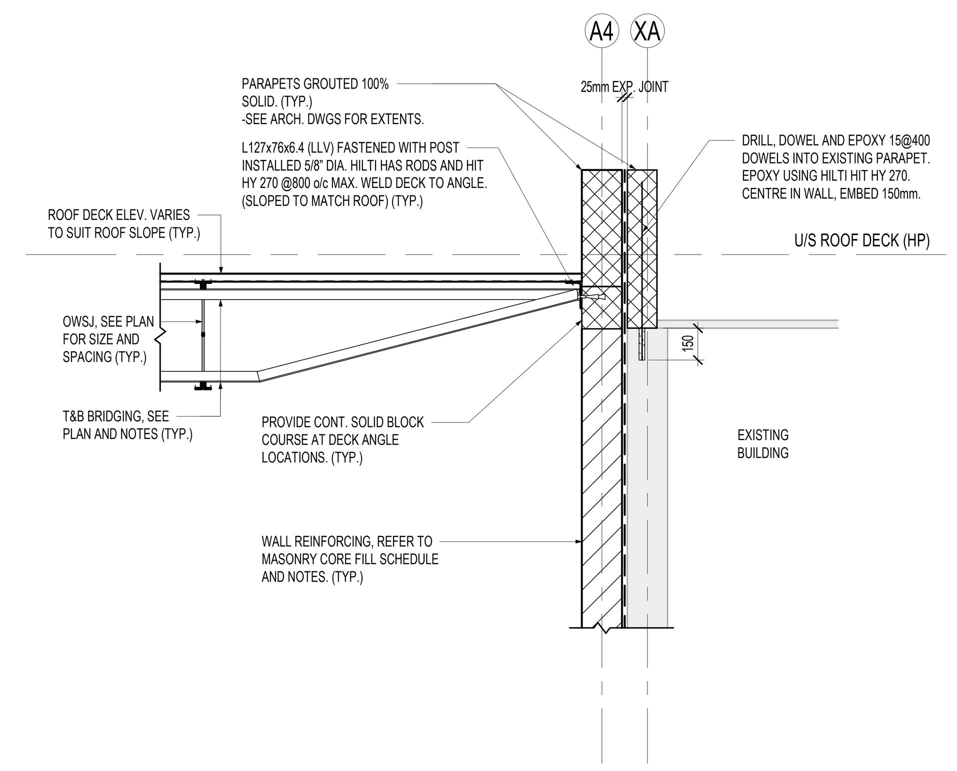

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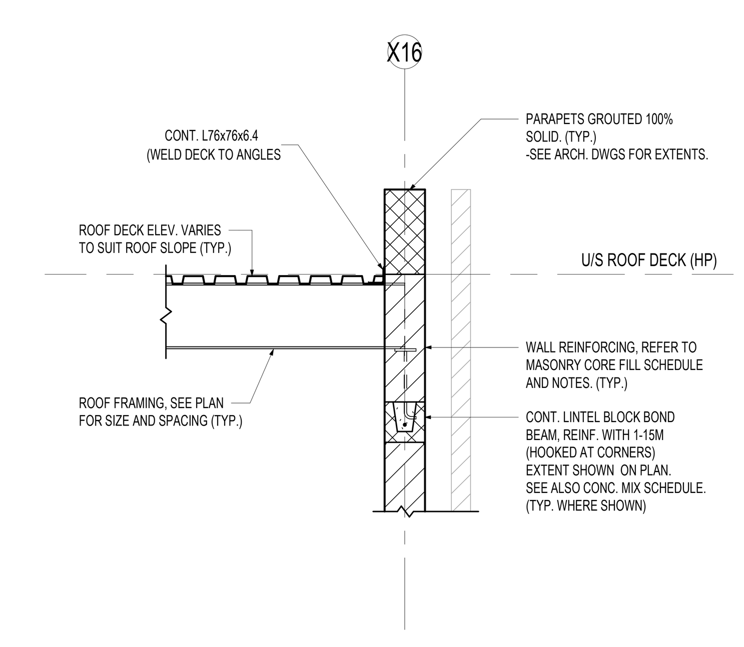

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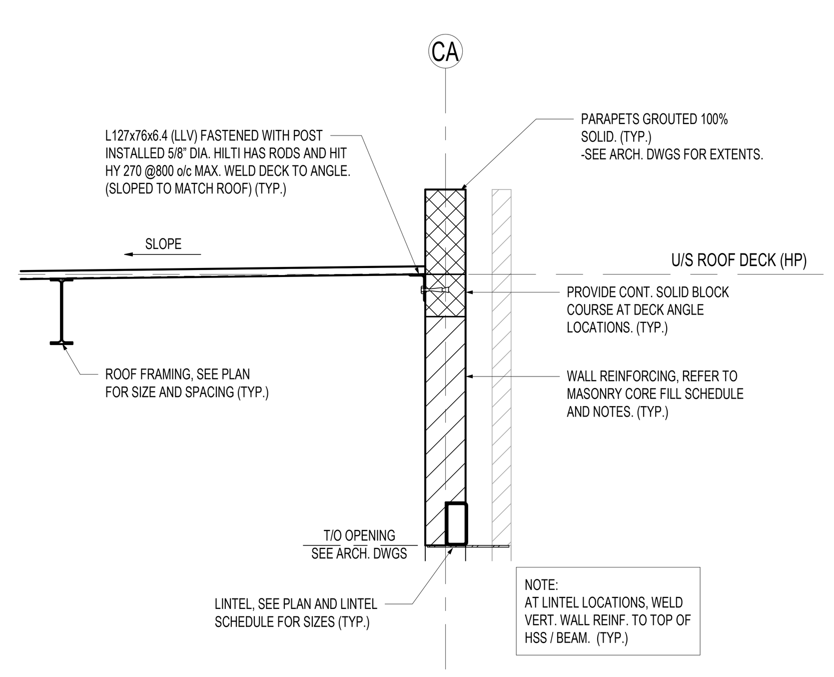

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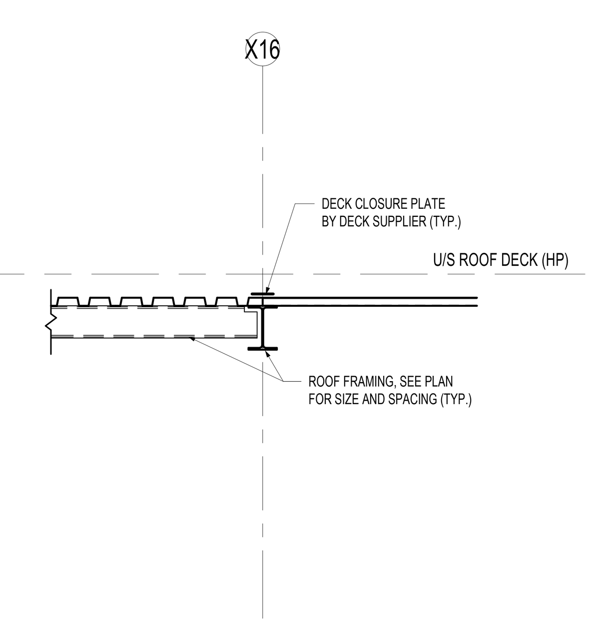

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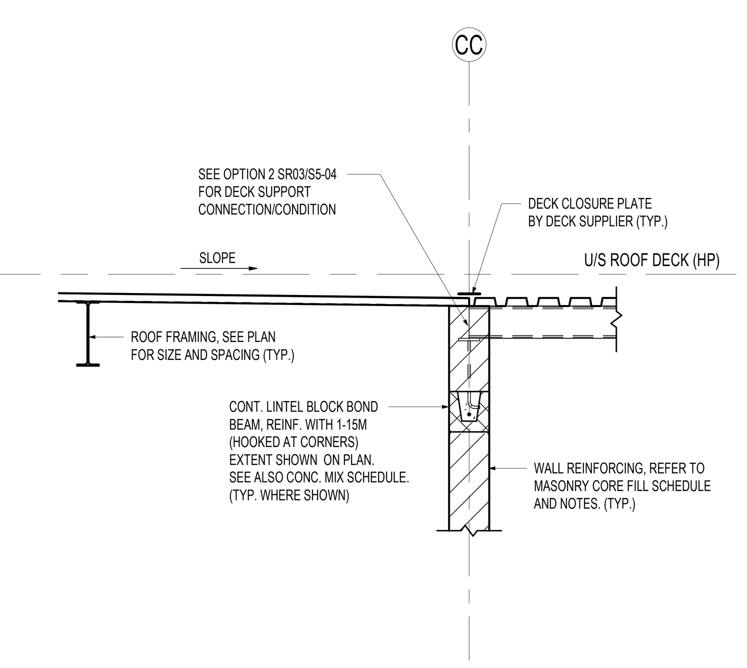

R12 S4-01 SECTION
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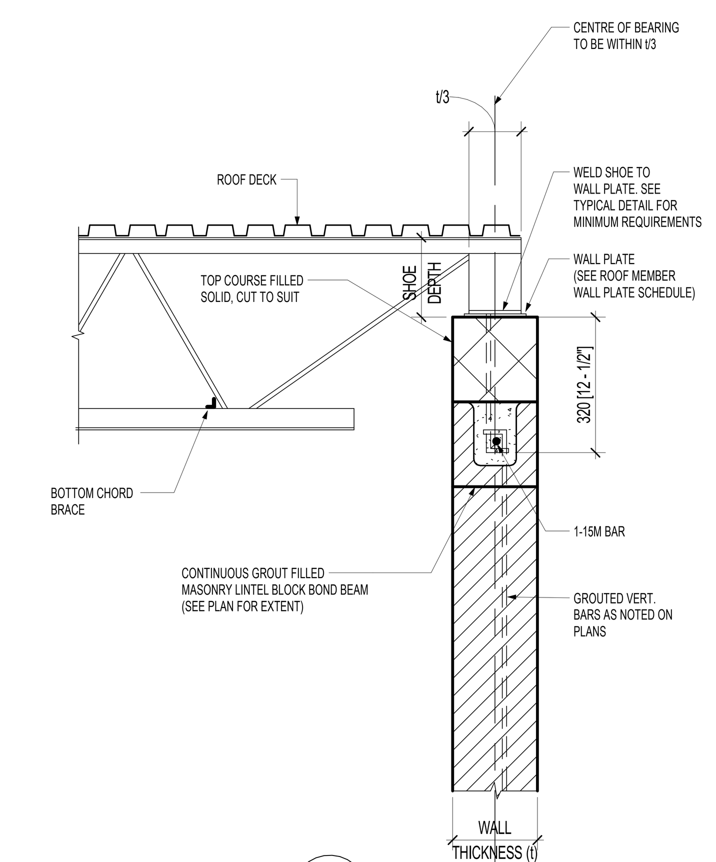
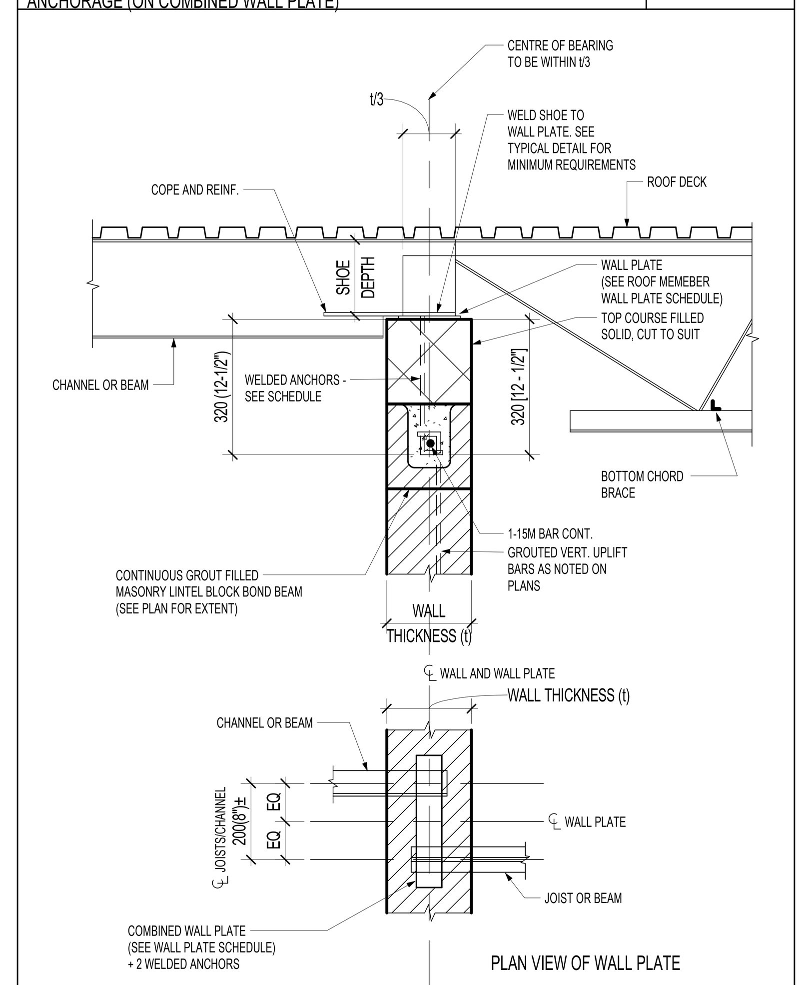
STEEL JOIST 'UPLIFT' BEARING ON MASONRY WALL — M16



DR1 NTS

JOIST BEARING ON MASONRY WALL FROM BOTH SIDES WITH UPLIFT ANCHORAGE (ON COMBINED WALL PLATE) — M17



DR2 NTS

TYPICAL ROOF MEMBER WALL PLATE SCHEDULE — M18

TYPICAL ROOF MEMBER WALL PLATE SCHEDULE
(UNLESS OTHERWISE SHOWN)

LOCATION	TYPE	DESCRIPTION	SIZE	REMARKS
CORRIDOR AND OTHER INTERIOR WALLS	SINGLE	OWSJ CHANNEL BEAM	150x8x300 + 2-12 DIA. x 320+50 HOOK	SEE DR1/S4-01
	COMBINED	OWSJ/CHANNEL OWSJ/OWSJ OWSJ/BEAM BEAM/CHANNEL	150x10x460 + 2-20 DIA. x 320+50 HOOK	SEE DR2/S4-01
EXTERIOR WALL	SINGLE	OWSJ CHANNEL BEAM	150x8x300 + 2-12 DIA. x 320+50 HOOK	SEE DR1/S4-01
GP ROOM WALL	SINGLE	BEAM LSSJ	150x8x300 + 2-20 DIA. x 320+50 HOOK	SEE DR1/S4-01
	COMBINED	LSSJ/CHANNEL OR BEAM	150x10x460 + 2-20 DIA. x 320+50 HOOK U/N	SEE DR2/S4-01

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26-05-01
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ADDITION &
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ROOF SECTIONS

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Suite No. 1100
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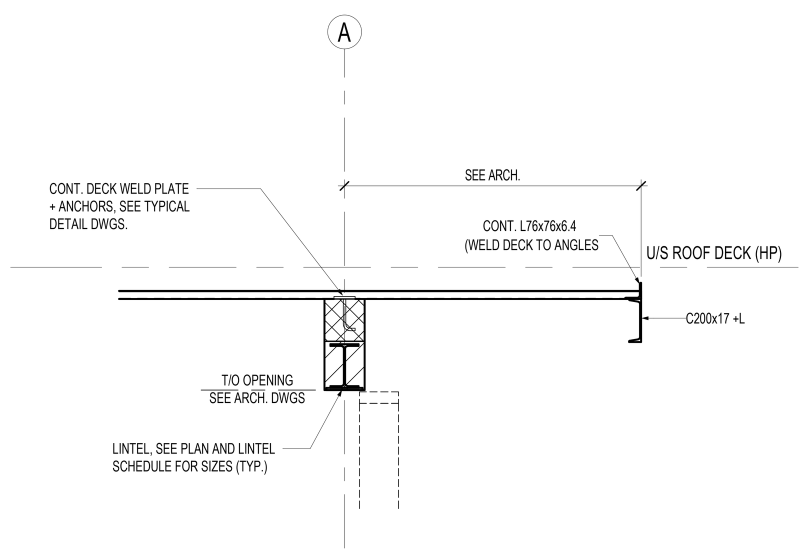

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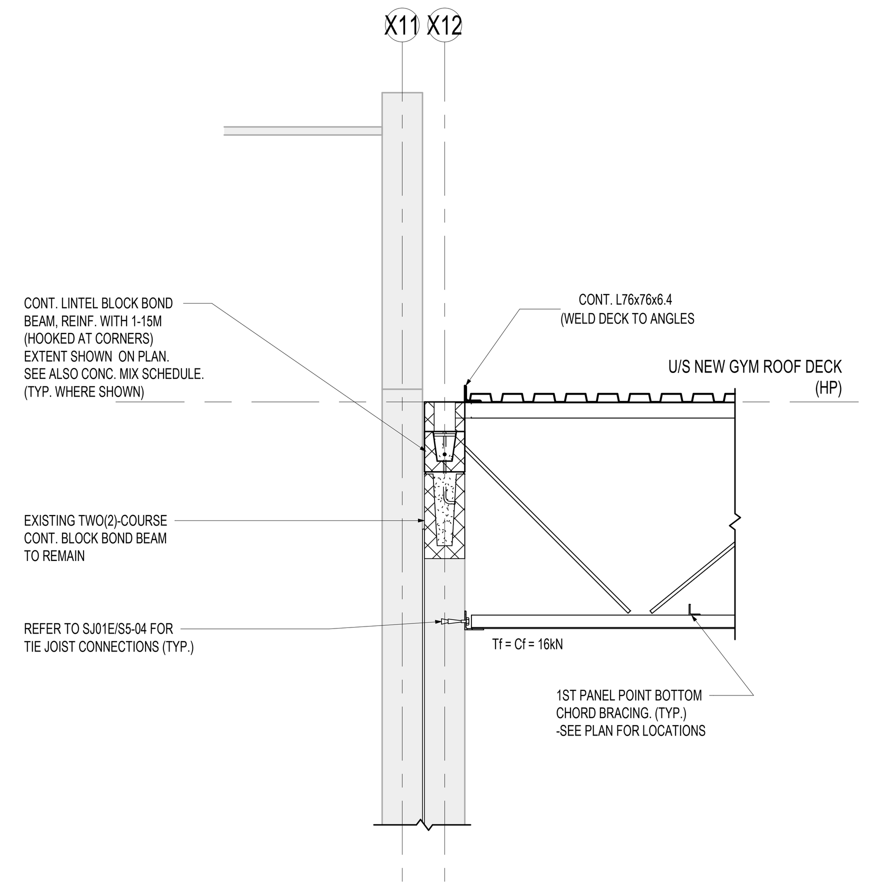

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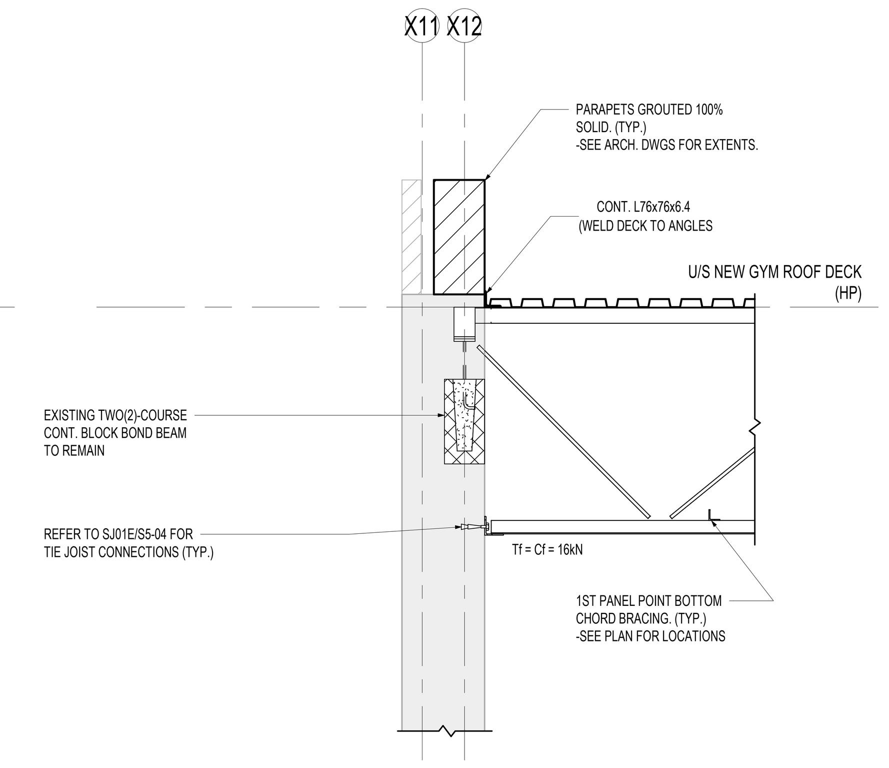

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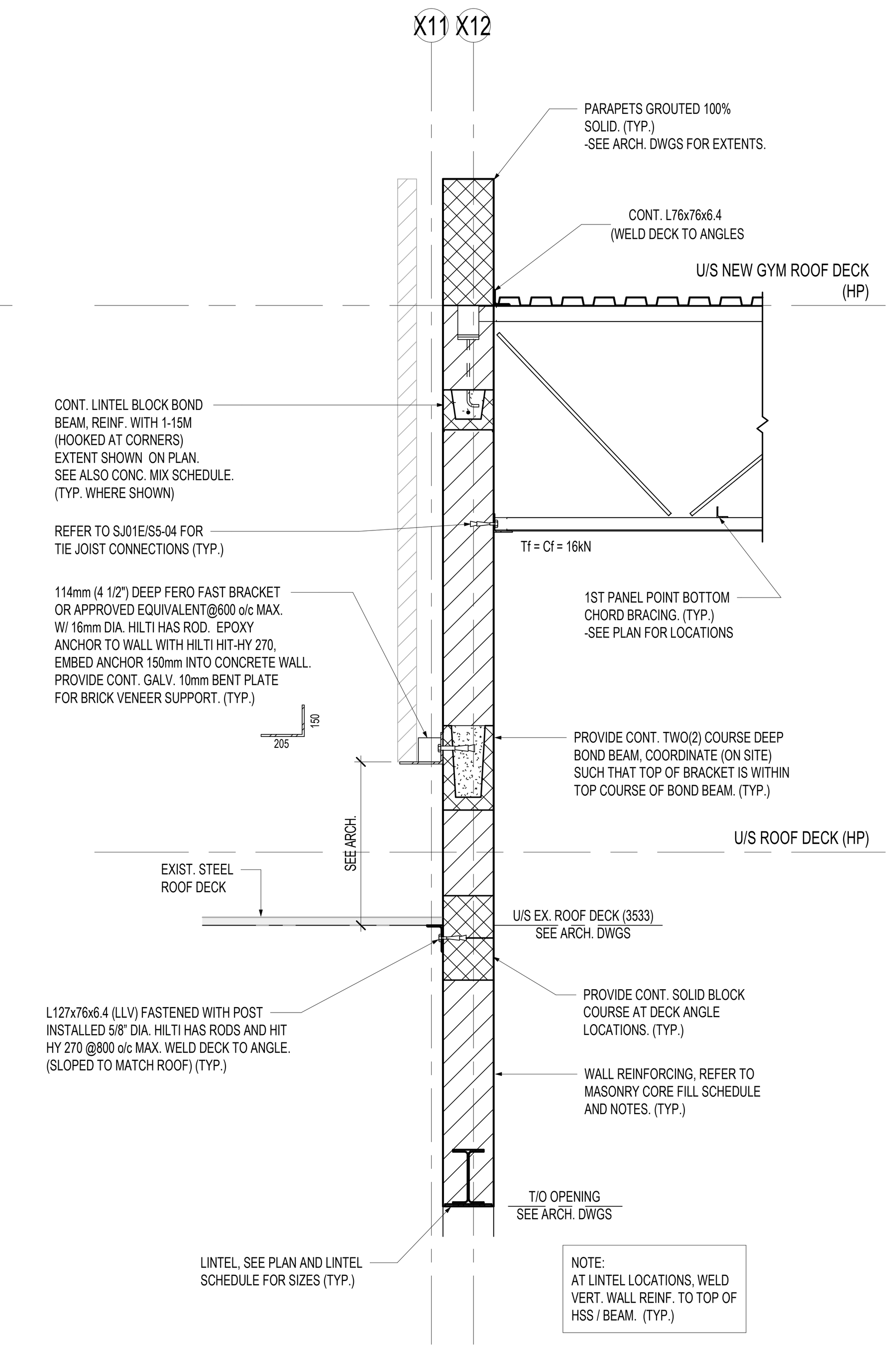

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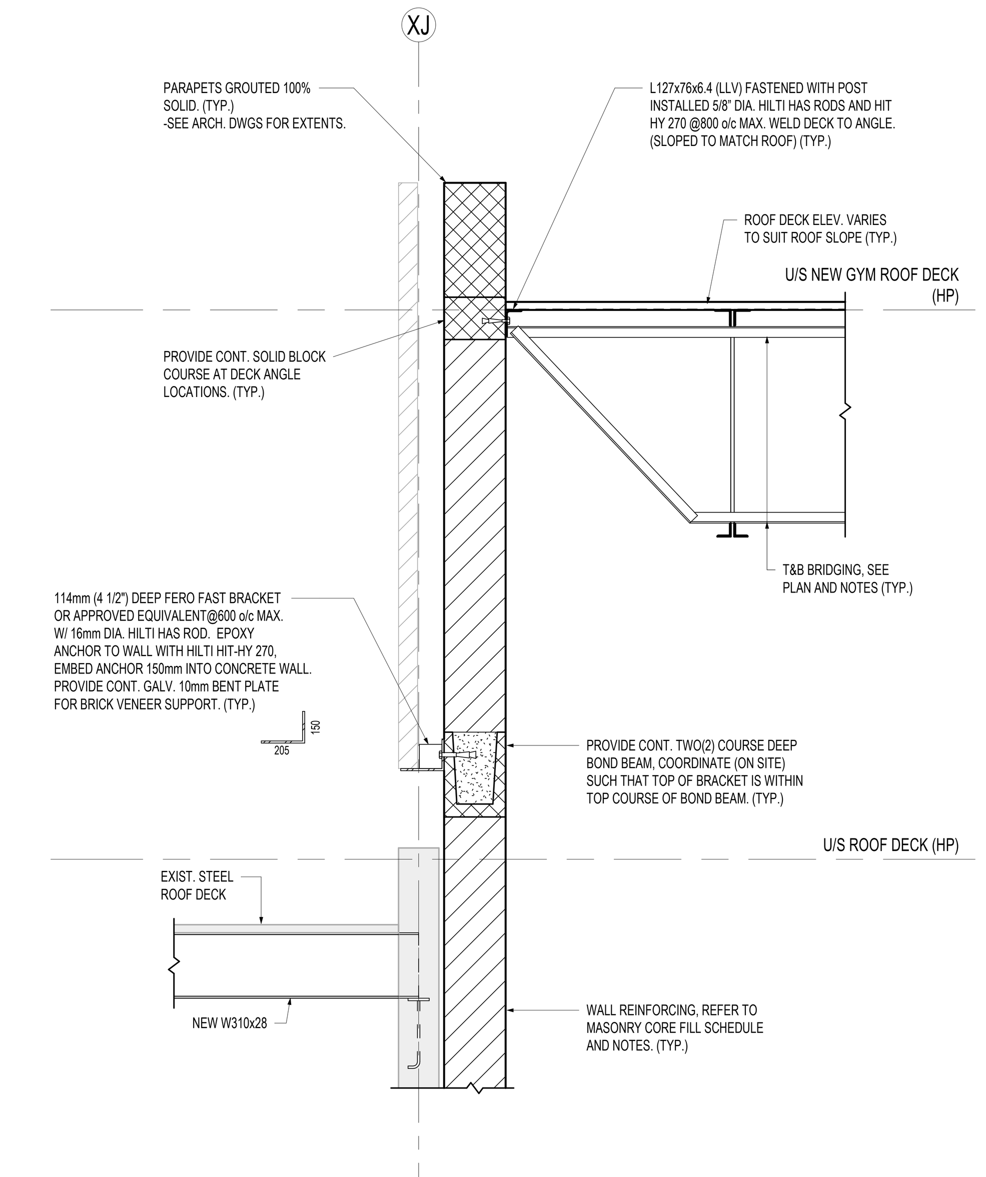

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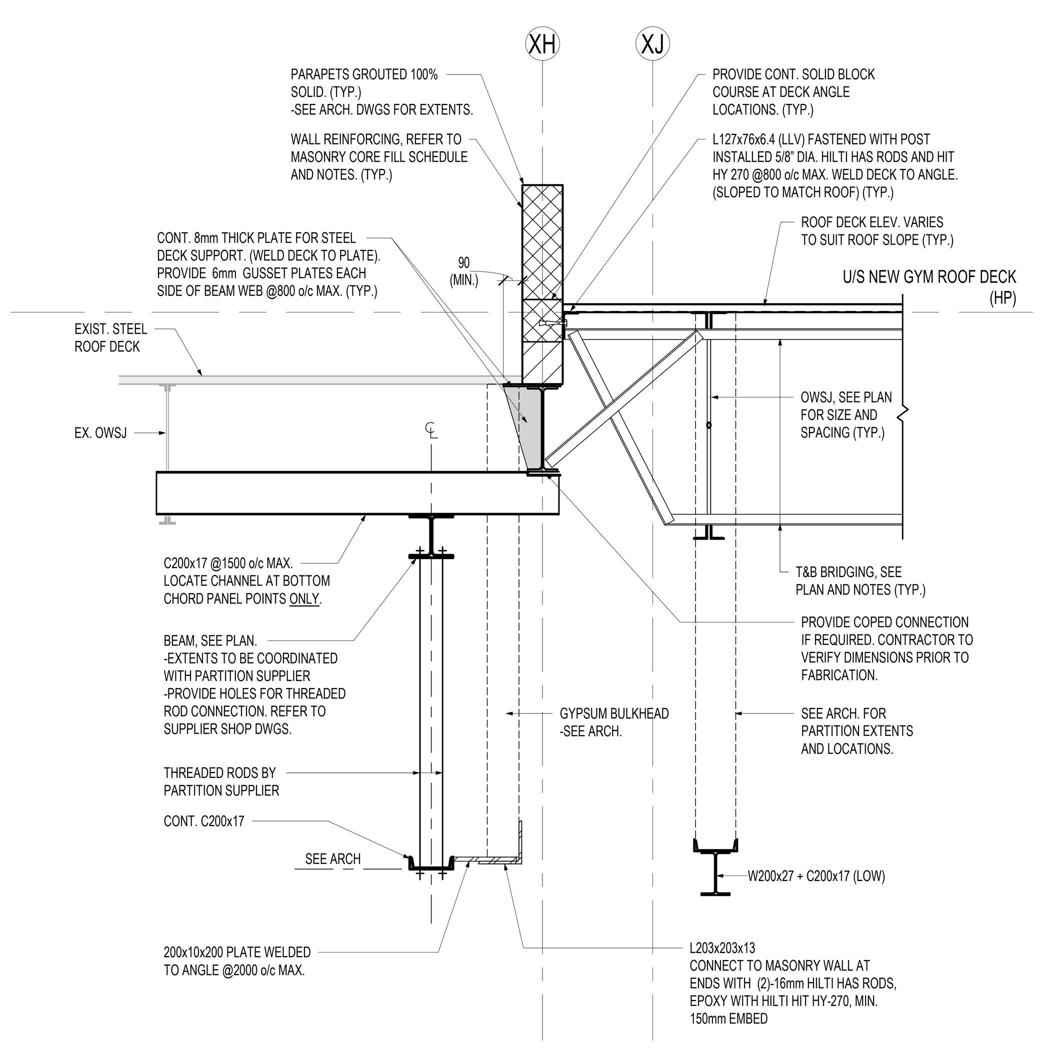

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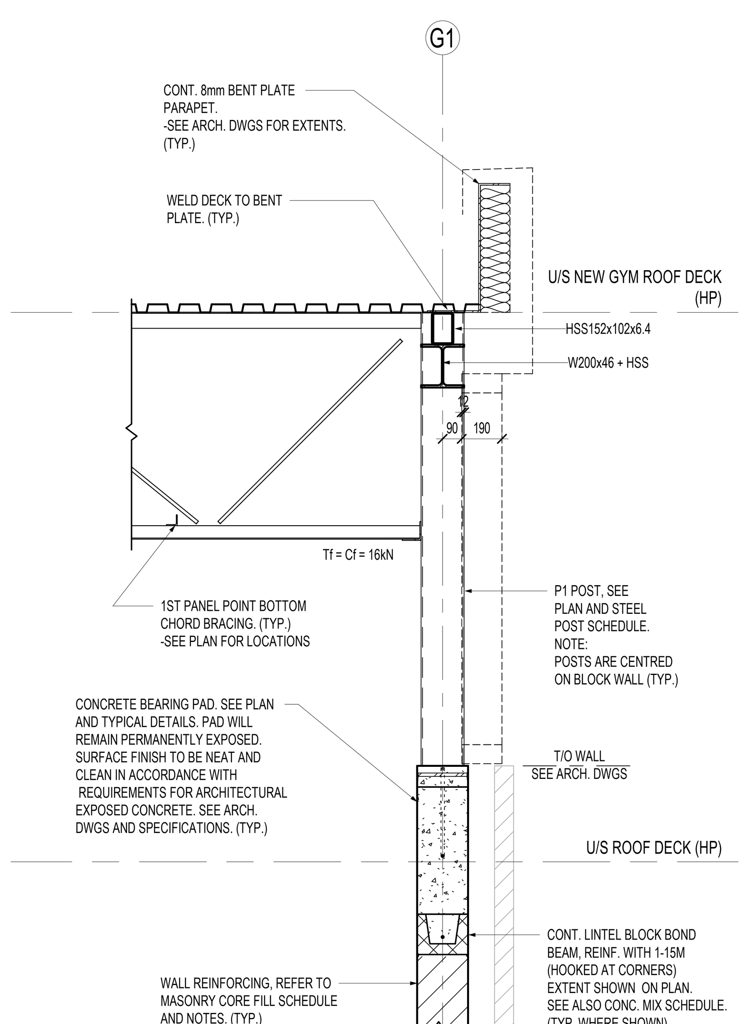

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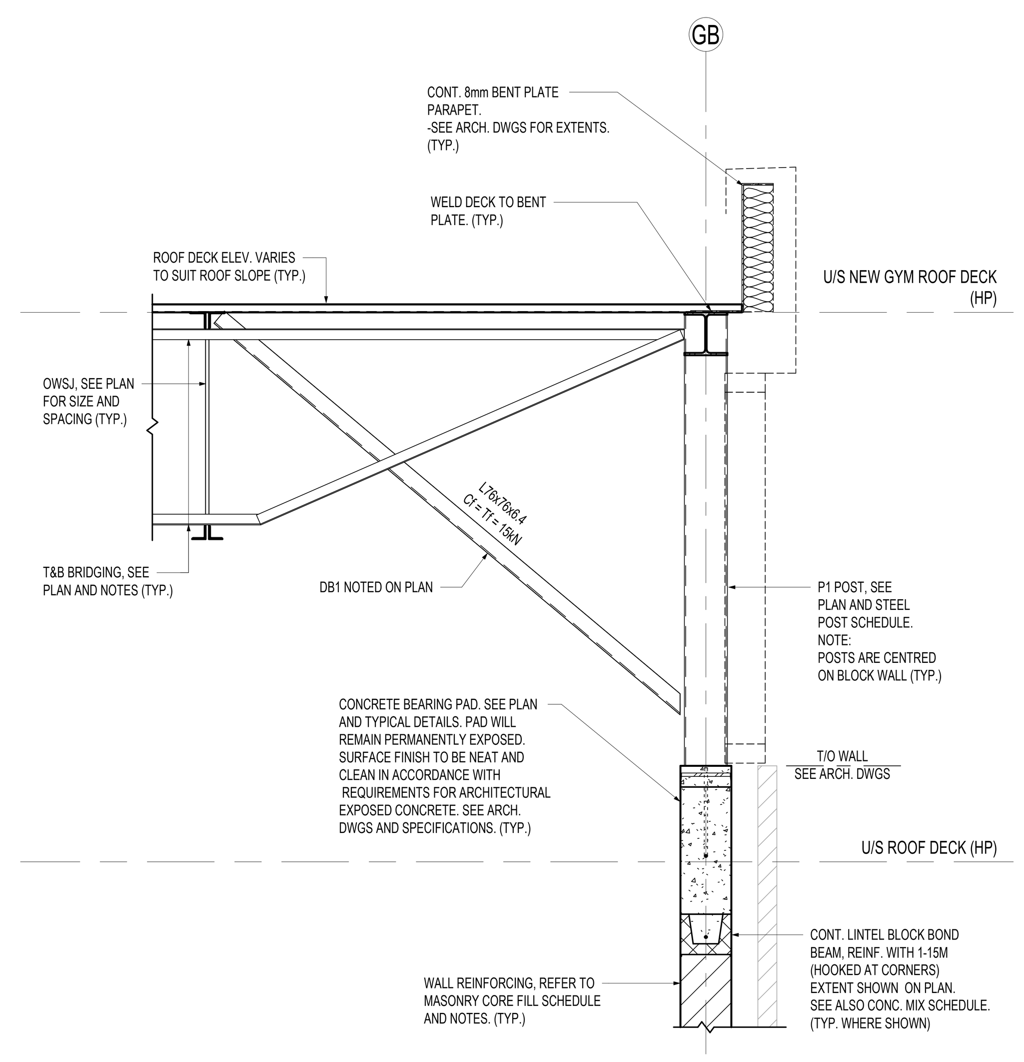

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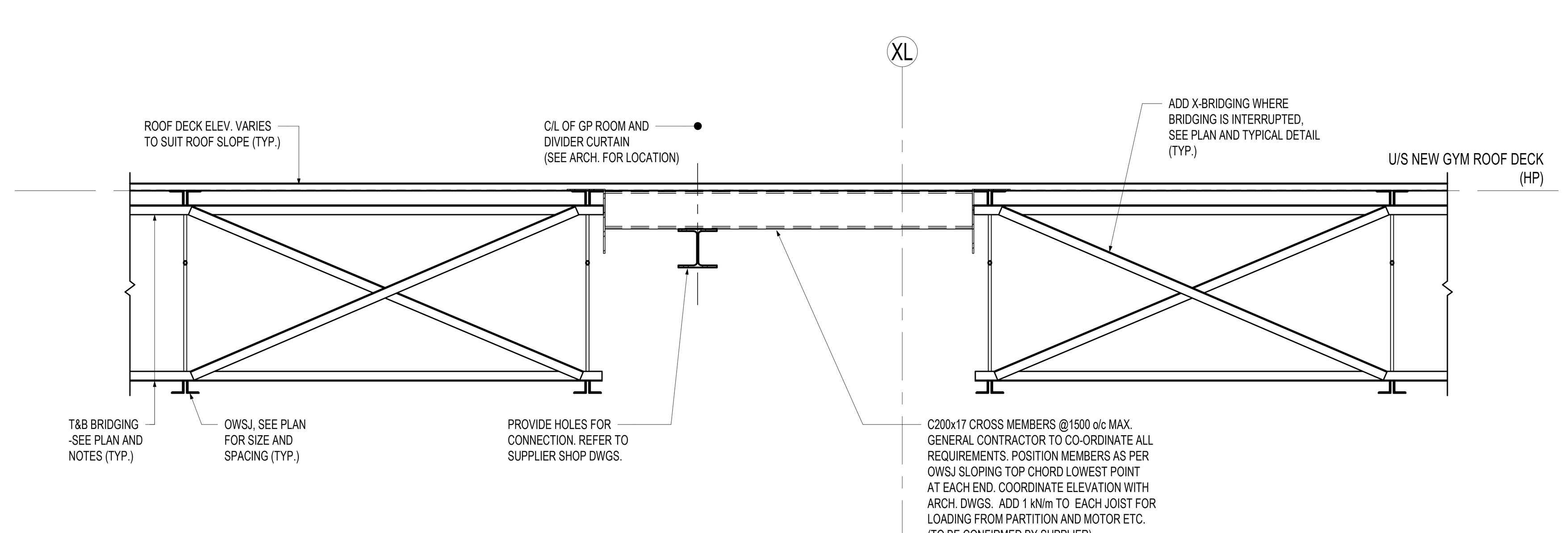

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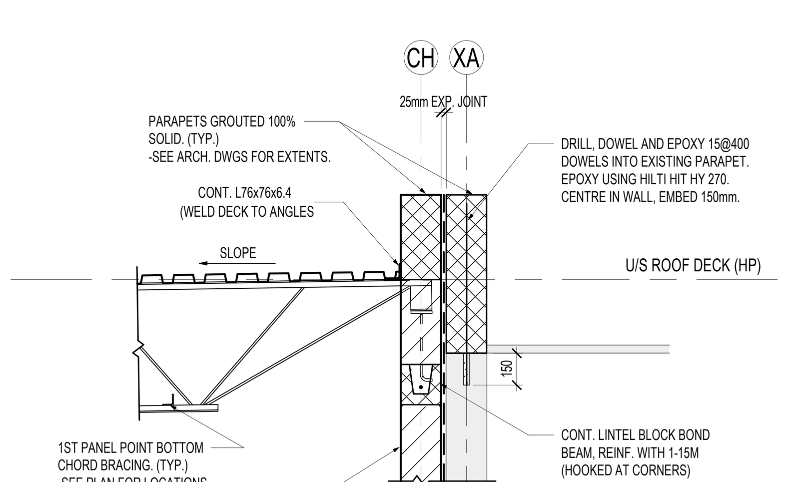

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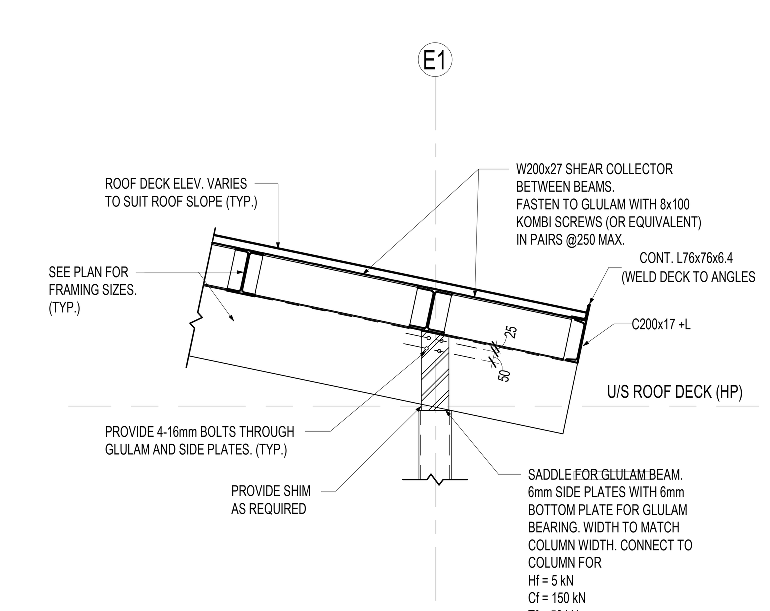

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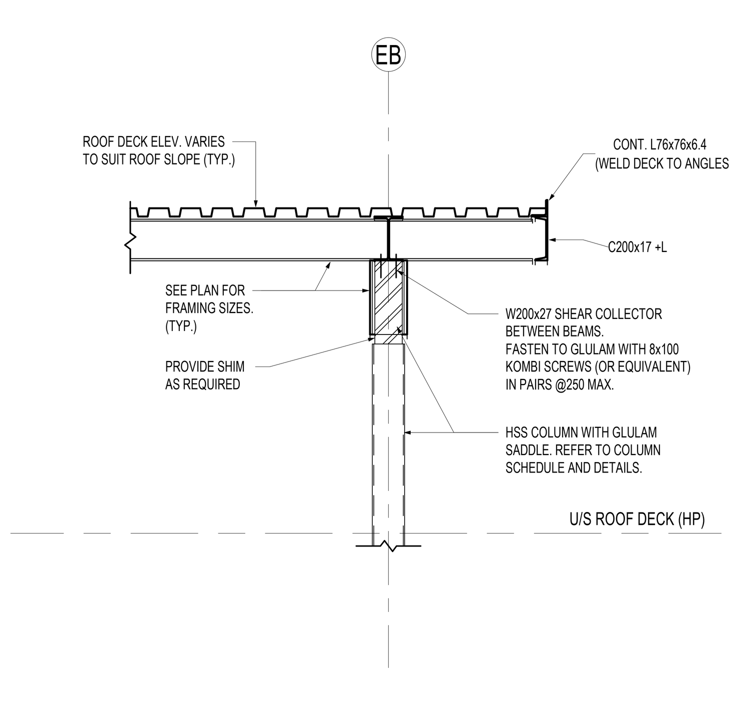

CP2 S4-02 SECTION 1 : 20

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STANDARD ABBREVIATIONS — A01

@ -At
ADJ -Adjustable
AIFB -Asphalt Impregnated Fibre Board
ALT -Alternate
ARCH -Architectural
A. ROD(A.R.) -Anchor Rod
ASL -Accumulated Snow Loading

B (BOT) -Bottom
BEW -Bottom Each Way
BLDG -Building
BLL -Bottom Lower Layer
BM -Beam
BML -Bottom Middle Layer
BNT -Base Nominal Thickness
B.O.F. -Bottom of Footing
BP -Baseplate
BSMT -Basement
BUL -Bottom Upper Layer

C -Standard Channel
CA -Column Above
CANT -Cantilever
C/C (o/c) -Centre to Centre
CJ -Control Joint
CL -Centreline
COL -Column
COMP -Compressible
CONC -Concrete
CONST -Construction
CONST JT (CJT) -Construction Joint
CONT (CONTIN) -Continuous
C/W -Complete With

D.FIR -Douglas Fir
DET -Detail
DIAG -Diagonal
Ø (DIA) -Diameter
DIM -Dimension
DJ -Double Joist
DL -Dead Load
DO -Ditto
DWG -Drawing
DWL -Dowel
DT -Double Tee

E-W -East-West
EA -Each
EE -Each End
EF -Each Face
ELECT -Electrical
ELEV (EL)-Elevation / Elevator
EQ -Equal
ES -Each Side
EW -Each Way
EXIST -Existing
EXP. JT. -Expansion Joint
EXT -Exterior

FDN -Foundation
FF -Far Face
FIN -Finished
FL -Floor
FMC -Full Moment Connection
FT -Foot / Feet
FTG -Footing

GA -Gauge
GALV -Galvanized
GEN -General

H (HOR) -Horizontal
HEF -Horizontal Each Face
HIF -Horizontal Inside Face
HOF -Horizontal Outside Face
HSC -Horizontally Slotted Connection
HSS -Hollow Structural Section

IF -Inside Face
INT -Interior
INV -Invert

JT -Joint

kg -Kilogram
kN.m -Kilo Newton Metres
kN/m² -Kilo Newton per Square Metre
kN/m -Kilo Newton per Metre
kPa -Kilo Pascals

L -Angle
LB. -Pounds
LG -Long
LL -Live Load / Lower Layer
LLH -Long Leg Horizontal
LLV -Long Leg Vertical
LSSJ -Long Span Steel Joists
LVL -Laminated Veneer Lumber

m -Metre
MAX -Maximum
MECH -Mechanical
MEZZ -Mezzanine
MIN -Minimum
MISC -Miscellaneous
ML -Middle Layer
MLL -Middle Lower Layer
mm -Millimetre
MOM, (M)-Moment
MPa -Mega Pascals
MUL -Middle Upper Layer

N -Newton
N-S -North-South
NF -Near Face
NIC -Not in Contract
No.(#) -Number
NTS -Not to Scale

OWSJ -Open Web Steel Joist

Pa -Pascal
PC -Precast
PL -Plate
PLF -Pounds per Lineal Foot
PREL -Preliminary
PROJ -Projection
PSF -Pounds per Square Foot
PSI -Pounds per Square Inch
PSL -Parallel Strand Lumber
PT -Pressure Treated

R -Reaction
RAD -Radius
REF -Reference
REINF -Reinforcing
REQ'D -Required
REV -Revision/Revised
Rf -Factored Vertical Reaction
R/W -Reinforced With

S -Standard Beam
SDF -Step Down Footing
SDL -Superimposed Dead Load
SECT -Section
SL -Slab
SQ -Square
SOG -Slab on Grade
S.P.F. -Spruce/Pine/Fir
SPEC -Specifications
ST -Steel
STD -Standard
STR -Straight
STRUCT -Structural

T -Top
TEMP -Temperature
Tf -Factored Tension Force
TJ -Tie Joist
TLL -Top Lower Layer
TMf -Factored Torsional Moment
TML -Top Middle Layer
TOD, T/D-Top of Deck
T.O.F. -Top of Footing
TOS, T/S-Top of Slab
TOST -Top of Steel
TSF -Tons per Square Foot
TUL -Top Upper Layer
TYP -Typical

UL -Upper Layer
U/N -Unless Noted
U.N.O. -Unless Noted Otherwise
U/S -Underside
USD -Underside of Deck

V (VERT)-Vertical
VBF -Vertically Braced Framing
VEF -Vertical Each Face
VIF -Vertical Inside Face
VOF -Vertical Outside Face
VSC -Vertically Slotted Connection

W -Wide Flange Beam
WP -Wall Plate
WWF -Welded WideFlange Beam
WWF (WWM) -Welded Wire Fabric/ Mesh

STANDARD LAP ABBREVIATIONS
CLS -Compression Lap Splice
CDL -Compression Development Length
HEL -Hook Embedment Length
TLS -Tension Lap Splice
TDL -Tension Development Length

GENERAL NOTES — A02

1. **GENERAL**
 1.1. DESIGN AND CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS OF THE 2024 ONTARIO BUILDING CODE, AND ANY APPLICABLE REQUIREMENTS OR BY-LAW OF THE AUTHORITY HAVING JURISDICTION. REFER ALSO TO TYPICAL DETAILS, NOTES UNDER PLANS AND SCHEDULES ON THE STRUCTURAL DRAWINGS, AND TO THE SPECIFICATION. ALL CODES, MANUALS, STANDARDS AND SPECIFICATIONS REFERRED TO SHALL BE THE SPECIFIC EDITION REFERENCED IN APPLICABLE BUILDING CODE INCLUDING ALL REVISIONS AND ADDENDA.
 ALL DIMENSIONS, OTHER THAN PURELY STRUCTURAL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CHECKED AGAINST THE ARCHITECTURAL DRAWINGS AND ANY INCONSISTENCIES REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. STRUCTURAL DRAWINGS MUST NOT BE SCALED.
 1.2. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS, TRENCHES, PITS, SUMPS, EQUIPMENT, SLEEVES, DEPRESSIONS, GROOVES AND CHAMFERS NOT INDICATED ON THE STRUCTURAL DRAWINGS. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ABOVE ITEMS WHERE SHOWN ON THE STRUCTURAL DRAWINGS ARE INDICATED ONLY APPROXIMATELY AS TO SIZE AND LOCATION.
 1.3. UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY BRACING AND SHORING REQUIRED FOR STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILTY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBLITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACING, SHORING, SHEET PILING OR OTHER TEMPORARY SUPPORTS OF SAFEGUARD ALL EXISTING OR ADJACENT STRUCTURES AFFECTED BY THIS WORK. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR CONSULTANTS REVIEW.
2. **SHOP DRAWINGS, PLACING DRAWINGS AND BAR LISTS**
 2.1. FOR ALL STRUCTURAL COMPONENTS SHOWN ON THE STRUCTURAL DRAWINGS, SUBMIT COPIES OF SHOP DRAWINGS AS DIRECTED FOR REVIEW BY THE STRUCTURAL CONSULTANT. SHOP DRAWINGS TO SHOW COMPLETE INFORMATION FOR THE FABRICATION AND ERECTION OF THE STRUCTURAL COMPONENTS.
 2.2. REVIEW OF SHOP DRAWINGS BY THE STRUCTURAL CONSULTANT IS ONLY TO ASSESS THAT THE SUBMITTED SHOP DRAWINGS REFLECT THE INTENT OF THE STRUCTURAL DESIGN.
 2.3. REVIEW BY THE STRUCTURAL CONSULTANT SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR SEEING THAT THE WORK IS COMPLETE, ACCURATE AND IN CONFORMITY WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
3. **INSPECTION AND TESTING**
 3.1. A SOILS CONSULTANT AND AN INDEPENDENT INSPECTION AND TESTING COMPANY ARE TO BE ENGAGED TO CARRY OUT THE FOLLOWING SERVICES
  3.1.1. BEARING SOIL - REFER TO NOTES ON STRUCTURAL DRAWINGS AND ALSO TO THE SOIL REPORT.
  3.1.2. FILL UNDER SLAB-ON-GRADE - CONFORM THAT FILL MATERIAL USED IS SATISFACTORY AND THAT THE REQUIRED DEGREE OF COMPACTION HAS BEEN ATTAINED.
  3.1.3. CAST-IN-PLACE AND PRECAST CONCRETE - ROUTINE INSPECTION OF MATERIALS, INCLUDING SLUMP, CYLINDER AND AIR ENTRAINMENT TESTS AND REINFORCING ROD TESTS WHEN REQUIRED OR DIRECTED IN ACCORDANCE WITH CSA STANDARD A23.2.
  3.1.4. THE PROJECT SUPERINTENDENT IS TO ADVISE THE STRUCTURAL CONSULTANT A MINIMUM OF 24 HOURS IN ADVANCE OF A CONCRETE POUR FOR A REVIEW OF PREPARATIONS.
  3.1.5. STRUCTURAL STEEL AND OWSJ - ROUTINE SHOP AND FIELD INSPECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS CSA S16.
  3.1.6. STEEL DECK - SEE STEEL DECK NOTES.
  3.1.7. MASONRY - WHEN REQUIRED OR DIRECTED, CONCRETE BLOCKS SHALL BE TESTED IN ACCORDANCE WITH ASTM C140 BRICKS IN ACCORDANCE WITH CAN/CSA A82; AND MORTAR AND/OR GROUT IN ACCORDANCE WITH CSA A179.
 3.2. ALL INSPECTION AND TESTING SERVICES ARE TO BE PERFORMED BY COMPANIES CERTIFIED BY THE CANADIAN STANDARDS ASSOCIATION AND FOR WELDING, INSPECTORS ARE TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU.
4. **FOUNDATIONS**
 4.1. REFER TO NOTES UNDER FOUNDATION PLANS. ALL EXTERIOR FOOTINGS OR OTHER FOOTINGS EXPOSED TO FREEZING IN THE FINISHED BUILDING SHALL BE FOUNDED AT A MINIMUM OF 1200mm (4'-0") BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. FOOTINGS EXPOSED TO FROST ACTION DURING CONSTRUCTION SHALL BE PROTECTED BY A MINIMUM OF 1200mm (4'-0") OF EARTH OR ITS EQUIVALENT SUFFICIENT TO PREVENT FREEZING.
 4.2. THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10, MAXIMUM STEP APPROX. 600mm (2'-0").
 4.3. PIER DEPTHS AND FOOTING ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THE STRUCTURAL DRAWINGS.
 4.4. IF ACTUAL JOB SITE OR SOIL CONDITIONS VARY FROM THOSE ASSUMED, THEN WRITTEN DIRECTIONS MUST BE OBTAINED FROM THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.
 4.5. KEEP EXCAVATIONS CONTINUOUSLY DRY BEFORE CONCRETE IS PLACED. IF THE SOIL IS SOFTENED BY WATER, THE EXCAVATION SHALL BE EXTENDED BELOW THE SOFTENED MATERIAL AND THE BOTTOM OF THE FOOTINGS LOWERED TO SUIT.
5. **BACKFILLING AND COMPACTION**
 5.1. SLABS-ON-GRADE AND ALL STRUCTURAL ELEMENTS FRAMING INTO WALLS WHICH RETAIN EARTH MUST BE IN PLACE BEFORE BACKFILLING.
 5.2. AT FOUNDATION WALLS WITH GRADE BOTH SIDES, UNLESS ADEQUATELY SHORED, BACKFILL AND COMPACT EACH SIDE OF WALL SIMULTANEOUSLY.
 5.3. UNDER SLAB-ON-GRADE, REMOVE SOFT SPOTS, ORGANIC AND FOREIGN MATTER IN THE SUB-GRADE. (WHERE SUB-GRADE CONSISTS OF COMPACTED FILL, REFER TO SPECIFIC NOTES ON THE DRAWINGS).
 5.4. BACKFILL UNDER SLAB-ON-GRADE, IN FOOTING EXCAVATIONS AND IN TRENCHES ONLY WITH APPROVED MATERIAL. UNLESS SPECIFICALLY NOTED OTHERWISE, BACKFILLING SHALL BE CARRIED OUT IN MAXIMUM OF 200mm (8")THICK LIFTS OF LOOSE FILL EACH COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
 5.5. UNLESS OTHERWISE NOTED IN GEOTECHNICAL REPORT, PROVIDE IMMEDIATELY UNDER SLABS-ON-GRADE A MINIMUM OF 200mm (8") OF COMPACTED (MTC) GRANULAR 'B' MATERIAL. COMPACTION TO ACHIEVE A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY.

CAST-IN-PLACE CONCRETE NOTES — A03.1

1. **GENERAL**
 1.1. PROVIDE ALL LABOUR, MATERIALS, TOOLS AND EQUIPMENT REQUIRED TO CARRY OUT THE WORK.
 1.2. REFER ALSO TO GENERAL NOTES, NOTES UNDER PLANS AND SCHEDULES, TYPICAL DETAILS AND SPECIFICATION.
2. **PRODUCTS**
 2.1. PORTLAND CEMENT, WATER AND AGGREGATES SHALL CONFORM TO CSA STANDARD A23.1.
 2.2. PROVIDE AN APPROVED WATER REDUCING ADDITIVE IN ALL CONCRETE. PROVIDE AN APPROVED AIR ENTRAINING ADDITIVE IN ALL CONCRETE WHICH WILL BE EXPOSED TO A FREEZE/THAW CYCLE AND/OR THE ACTION OF DE-ICING SALT. ADMIXTURES SHALL CONFORM TO CSA STANDARD A23.1.
 2.3. FORMWORK SHALL CONFORM TO CSA STANDARD A23.1 AND CSA STANDARD S269.1 AND FALSEWORK SHALL CONFORM TO CSA S269.1.
 2.4. IF SO INSTRUCTED, THE DESIGNS FOR THE FORMWORK SHALL BE SUBMITTED FOR REVIEW BEFORE CONSTRUCTION. FORMWORK DRAWINGS AND DESIGN SHALL BEAR THE STAMP OF A LICENSED PROFESSIONAL ENGINEER.
 2.5. PROVIDE SLAB AND BEAM FORMS WITH AN UPWARD CAMBER AS INDICATED ON PLANS THUS ⊕ __mm. WHERE CAMBERS ARE NOT NOTED ON PLANS, CAMBER SLABS AND BEAMS FOR SPAN/500 AT INTERIOR BAYS, AND CANTILEVER LENGTH/250 AT CANTILEVER. CAMBER BOTH THE UNDERSIDE AND TOP OF CONCRETE IN A PARABOLIC PROFILE, WHILE MAINTAINING THE INDICATED STRUCTURAL THICKNESS OF MEMBERS.
 2.6. PROVIDE STANDARD ADJUSTABLE MASONRY ANCHOR SLOTS FOR ALL MASONRY FACING OR ABUTTING CONCRETE FACES.
 2.7. PROVIDE AND/OR INSTALL STANDARD ADJUSTABLE INSERTS AND ALL OTHER CAST-IN INSERTS AS REQUIRED BY THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATION.
 2.8. REINFORCING STEEL UNLESS SPECIFICALLY NOTED, SHALL BE DEFORMED BARS CONFORMING TO CAN/CSA -G30.18-M GRADE 400 (58000 PSI).
 2.9. WELDED WIRE FABRIC TO BE SUPPLIED IN FLAT SHEETS ONLY, UNLESS APPROVED OTHERWISE.
 2.10. REINFORCING SHALL BE DETAILED, BENT, PLACED AND SUPPORTED TO CONFORM TO ACI DETAILING MANUAL AND THE MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF CANADA.
 2.11. DRY-PACK GROUT TO BE 1 PART PORTLAND CEMENT TO 1 1/2 PARTS SAND TO 2 PARTS OF 8 mm PEA GRAVEL WITH ONLY SUFFICIENT WATER TO DAMPEN MIXTURE. COMPRESSIVE STRENGTH 50MPa AT 28 DAYS.
 2.12. NON-SHRINK GROUT TO BE AN APPROVED PRE-MIXED PROPRIETARY PRODUCT.
 2.13. PROVIDE APPROVED EXTRUDED PVC WATERSTOPS OF SIZE AND STYLE INDICATED, WITH PRE-WELDED CORNERS AND INTERSECTIONS. SEE ALSO TYPICAL DETAILS.
 2.14. CURING AND SEALING COMPOUNDS WHERE APPROVED FOR USE TO CONFORM TO ASTM STANDARD C309. GENERALLY ALL CONCRETE SURFACES ARE TO BE SEALED UNLESS NOTED OTHERWISE. COMPOUNDS ARE TO BE COMPATIBLE WITH APPLIED FINISHES.
 2.15. SHEAR REINFORCEMENT AT SLAB CONNECTION AS SHOWN ON DRAWINGS AND DETAILS, SHALL BE STUDRAILS® AS MANUFACTURED BY DECON®. THE COMPLETE AND FINISHED STUDRAIL® SHALL BE ICC ES EVALUATED AND WELDING SHALL TAKE PLACE IN A ICC ES APPROVED AND AUDITED FACILITY. STUDRAILS® SHALL CONFORM TO THE LATEST UPDATE OF ASTM A1044.
3. **EXECUTION**
 3.1. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE @ 28 DAYS SHALL BE AS NOTED ON THE DRAWINGS (20MPa MINIMUM).
 3.2. SLUMP AT THE POINT OF DISCHARGE SHALL BE CONSISTENT AT 80 mm ±30mm (3" ±1 1/8") UNLESS NOTED OTHERWISE. GREATER SLUMPS ARE NOT ACCEPTABLE.
 3.3. CONCRETE MIXING, TRANSPORTATION, HANDLING AND PLACING SHALL CONFORM TO CSA STANDARD A23.1.
 3.4. CONSTRUCTION JOINTS FOR WALLS ARE BASED UPON VERTICAL JOINTS AT A MAXIMUM SPACING OF 9000mm (30'-0"). UNLESS CONTROL JOINTS ARE PROVIDED AS PER DETAIL CFW02. TOTAL LENGTH OF POUR TO BE DISCUSSED WITH ENGINEER PRIOR TO PROCEEDING.
 3.5. CONSTRUCTION JOINTS FOR WALLS, SLABS, AND BEAMS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL CONSULTANT BEFORE CONSTRUCTION. GENERALLY JOINTS IN SLABS SHALL BE AT RIGHT ANGLES TO THE SPANS, AT MID-SPAN IF POSSIBLE AND CLEAR OF SUPPORTS AND POINT LOADS.
 3.6. INSERTS, FRAME-OUTS, SLEEVES, BRACKETS, CONDUITS AND FASTENING DEVICES, SHALL BE INSTALLED AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS IN A MANNER THAT SHALL NOT IMPAIR THE STRUCTURAL STRENGTH OF THE SYSTEM, BE SO INSTALLED THAT THEY SHALL NOT REQUIRE THE CUTTING, BENDING, OR DISPLACEMENT OF THE REINFORCING OTHER THAN AS SHOWN ON THE TYPICAL DETAILS.
 3.7. ELECTRICAL CONDUIT SHALL NOT PASS THROUGH A COLUMN, SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/3 SLAB THICKNESS OR WALL OR BEAM IN WHICH IT IS EMBEDDED, SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTRE UNLESS APPROVED AND HAVE A MINIMUM CONCRETE COVER OF 25 mm (1") AND UNLESS SPECIFICALLY PERMITTED OTHERWISE, SHALL NOT RUN HORIZONTALLY IN A CONCRETE WALL.
 3.8. OPENINGS AND DRIVEN FASTENERS REQUIRED IN THE CONCRETE AFTER THE CONCRETE IS PLACED SHALL BE APPROVED BY THE STRUCTURAL CONSULTANT BEFORE PROCEEDING.
 3.9. FINISHING, REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FINISH TO EXPOSED CONCRETE. ALL HONEYCOMBING SHALL BE CUT OUT AND FILLED. FLOOR FINISHES SHALL BE AS REQUIRED BY THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND SHALL CONFORM TO CSA STANDARD A23.1.
 3.10. TOLERANCES FOR PLACING STRUCTURAL CONCRETE, REINFORCING STEEL, CAST-IN HARDWARE AND FOR FLOOR AND ROOF FINISHES SHALL BE AS SPECIFIED IN CSA STANDARD A23.1.
 3.11. MINIMUM REINFORCING FOR ANY CONCRETE WALL TO BE AS SHOWN ON TYPICAL DETAIL FOR CONCRETE WALLS.
 3.12. MINIMUM REINFORCING FOR ANY SUSPENDED SLAB SHALL BE TEMPERATURE BARS BOTTOM EACH WAY PLUS 10M @ 400 (16") DOWELS 600x600 (2'-0" x 2'-0") TOP AROUND PERIMETER. REFER TO TYPICAL DETAIL OF ONE WAY SLABS.
 3.13. PERFORM SURVEYS OF SLABS AS INDICATED IN SPECIFICATIONS.

CAST-IN-PLACE CONCRETE NOTES — A03.2

3.14. MASS CONCRETE
 (A) UNLESS EXPLICITLY CONFIRMED OTHERWISE BY THE CONSULTANT IN WRITING, THE CONTRACTOR SHALL PREPARE A PLAN TO MONITOR AND CONTROL THE HEAT OF HYDRATION FOR ALL MASS CONCRETE POURS IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1 ARTICLES 7.5.3, 8.5.5 AND TABLES 14 AND 20. REFER ALSO TO SPECIFICATION SECTIONS 03 30 00 AND 01 45 23.07. EACH PLAN SHALL ADDRESS AT A MINIMUM THE FOLLOWING:
 (B) ENSURE MAXIMUM HEAT OF HYDRATION DOES NOT EXCEED 70°C.
 (C) ENSURE MAXIMUM THERMAL GRADIENT WITHIN THE POUR DOES NOT EXCEED THE REQUIREMENTS OF TABLE 20, OR 20°C, WHICHEVER IS LESS.
 (D) DEVELOP A TEMPERATURE MONITORING PLAN IN ACCORDANCE WITH SPECIFICATION SECTION 01 45 23.07 TO TRACK HEAT OF HYDRATION WITHIN THE MASS CONCRETE POUR TO PROVE COMPLIANCE WITH THE FOREGOING.
 (E) IDENTIFY MODIFICATIONS TO STANDARD MIX DESIGNS SUITABLE TO REDUCE AND/OR LIMIT ANTICIPATED HEAT OF HYDRATION OF CONCRETE, INCLUDING MAXIMUM DELIVERY TEMPERATURE OUTLINED IN A23.1 TABLE 14.
 (F) THE CONCRETE SUPPLIER SHALL PROVIDE ANTICIPATED HEAT OF HYDRATION CURVES FOR EACH PROPOSED MIX DEMONSTRATING COMPLIANCE WITH THE ABOVE.
 (G) IF NO HEAT OF HYDRATION CURVES ARE AVAILABLE, A TEST CUBE SHALL BE CAST TO COLLECT SAMPLE DATA OF SUFFICIENT QUALITY TO PREDICT MAXIMUM ANTICIPATED HEAT OF HYDRATION.
 (H) IF REQUIRED BY THE PLAN OUTLINED ABOVE, DEVELOP A SUPPLEMENTARY COOLING SYSTEM CAPBALE OF REJECTING HEAT FROM THE CENTRE OF THE MASS CONCRETE POUR. SPECIFICS OF THE HEAT REJECTION SYSTEM TO BE ESTABLISHED BY A LICENSED PROFESSIONAL ENGINEER BASED UPON ANTICIPATED HEAT OF HYDRATION VALUES PROVIDED BY THE CONCRETE SUPPLIER OR TEST DATA. ALL COSTS OF SUCH A SYSTEM, INCLUDING DESIGN PROFESSIONALS, SHALL BE CARRIED BY THE SUBTRADE.

3.15. GENERAL REQUIREMENTS FOR CUTTING AND DRILLING INTO CONCRETE
 (A) DO NOT DRILL INTO, CORE THROUGH, SAW-CUT OR CHIP THE CONCRETE STRUCTURE WITHOUT WRITTEN AUTHORIZATION BY THE STRUCTURAL CONSULTANT.
 (B) UNLESS NOTED OTHERWISE, PRIOR TO CUTTING, CORING OR DRILLING INTO THE CONCRETE STRUCTURE, LOCATE EXISTING CONCRETE REINFORCEMENT AND EMBEDDED SERVICES AT THAT LOCATION USING SUITABLE SCANNING DEVICE (I.E. X-RAYS, GROUND PENETRATION RADAR (GPR), LOCAL CHIPPING OF SLAB - ONLY WHERE APPROVED BY THE STRUCTURAL CONSULTANT, ETC), AS AUTHORIZED BY PROPERTY MANAGER IF APPLICABLE
 (C) GPR SCANNING MUST BE DONE BY TRAINED TECHNICIANS WITH AT LEAST 5 YEARS OF EXPERIENCE AS SUCH.
 (D) GPR SCANNING DEVICES MUST BE CAPABLE OF ACCURATELY LOCATING REBAR IN A CONCRETE SLAB TO A MINIMUM DEPTH OF 300 mm, THIN A HORIZONTAL TOLERANCE OF +- 25 mm AND A VERTICAL (DEPTH) TOLERANCE OF THE LARGER OF +-25 mm OR +- 15% OF THE REBAR DEPTH.
 (E) AFTER ALL THE EXISTING REINFORCEMENT AND SERVICES HAVE BEEN LOCATED, NOTIFY THE STRUCTURAL CONSULTANT, WHO WILL REVIEW AND APPROVE THE PROPOSED LOCATION OF OPENINGS, CORES OR DRILLED HOLES. MAKE ANY NECESSARY ADJUSTMENTS TO THE HOLE LOCATIONS AS DIRECTED BY THE STRUCTURAL CONSULTANT.
 (F) THE REVIEW BY THE STRUCTURAL CONSULTANT IS LIMITED ONLY TO THE LOCATION OF THE PROPOSED CORES OR DRILLED HOLES THROUGH THE EXISTING STRUCTURE AND IT IS BASED ON THE ASSUMPTION THAT THE X-RAY OR SCAN RESULTS LOCATING SLAB REINFORCEMENT AND EMBEDDED SERVICES ARE COMPLETE AND ACCURATE. STEPHENSON ENGINEERING LTD. TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE X-RAY OR SCAN RESULTS.
 (G) CORE DRILL NEW HOLES FOR PIPES TO A DIAMETER NOT LARGER THAN THE OUTSIDE PIPE DIAMETER PLUS 25MM. DO NOT CUT EXISTING REINFORCEMENT OR SERVICES WITHOUT PRIOR APPROVAL OF THE CONSULTANT.
 (H) WHERE RECTANGULAR OPENINGS ARE TO BE CUT, PRE-DRILL THE CORNERS USING A 100 MM DIAMETER CORE DRILL OR DRILL A SERIES OF HOLES TO PREVENT OVER CUTTING OF THE CORNERS.

4. **QUALITY CONTROL**
 4.1 FOR INSPECTION AND TESTING, SEE GENERAL NOTES AND/OR SPECIFICATION.

STRUCTURAL STEEL AND STEEL JOIST NOTES — A04

1. GENERAL
 1.1. STRUCTURAL STEEL AND JOIST DESIGN DETAILS AND CONNECTIONS SHALL CONFORM TO CSA STANDARD S16 AND SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER EXPERIENCED IN THIS TYPE OF WORK.
 1.2. REFER ALSO TO GENERAL NOTES, NOTES UNDER PLANS AND TO THE SPECIFICATION.
 1.3. WELDING SHALL CONFORM TO CSA STANDARD W59 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA W47.1.
 1.4. BEAM CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF FACTORED VERTICAL SHEAR FORCE OF 50% OF THE BEAM SHEAR CAPACITY. UNLESS OTHERWISE NOTED, AND IN NO CASE BE LESS THAN THE LOADS SHOWN ON OR IMPLIED BY THE DRAWINGS. WHERE BOLTED CONNECTIONS ARE UTILIZED, A MINIMUM OF TWO BOLTS PER CONNECTION SHALL BE USED.
 1.5. MEMBER CONNECTIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER FOR FORCES AND MOMENTS INDICATED. SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
2. PRODUCTS
 2.1. STRUCTURAL STEEL SECTIONS SHALL CONFORM TO CSA-G40.20/G40.21 (UNLESS NOTED OTHERWISE ON PLANS OR SECTIONS).
  2.1.1. S SHAPES, PLATES AND RODS: - GRADE 300 W
  2.1.2. HSS SECTIONS: - GRADE 350W (CLASS C U/N)
  2.1.3. WWF SHAPES, W SHAPES, WT SHAPES, CHANNELS, ANGLES: - GRADE 350W
 2.2. JOIST CHORDS AND WEBS SHALL CONFORM TO CSA - S16.
 2.3. BOLTS FOR CONNECTIONS TO CONFORM TO ASTM F3125/3125M, GRADE A325 UNLESS NOTED.
 2.4. ANCHOR RODS FOR BASE PLATES, BEARING PLATES AND WELD PLATES TO CONFORM TO ASTM F1554, GRADE 36, UNLESS NOTED.
 2.5. NUTS AND WASHERS TO CONFORM TO ASTM A563 AND ASTM F436.
 2.6. SHEAR STUDS WHERE REQUIRED TO CONFORM TO ASTM A108, WELDING TO CONFORM TO CSA W59.
 2.7. WELDING MATERIALS TO CONFORM TO CSA W48.
 2.8. SURFACE PREPARATION AND PRIMER PAINT FOR STRUCTURAL STEEL MEMBERS AND JOISTS INSIDE VAPOUR BARRIER TO CONFORM TO CISC/CPMA 1.73a OR CISC/CPMA 2.75 (IF EXPOSED TO VIEW), UNLESS NOTED ON DRAWINGS OR SPECIFICATIONS.
 2.9. HOT DIP GALVANIZING SHALL PROVIDE A MINIMUM ZINC COATING OF 600g/sq.m UNLESS OTHERWISE SPECIFIED.
 2.11. BRIDGING AND BRACING FOR JOISTS BY JOIST DESIGNER: - SEE DRAWINGS AND TYPICAL DETAILS FOR MINIMUM REQUIREMENTS.
3. EXECUTION
 3.1. FABRICATION, HANDLING AND ERECTION SHALL CONFORM TO CAN/ CSA - S16.
 3.2. TOLERANCES: VARIATION FROM PLUMB AND LEVELNESS OF STRUCTURAL FRAMING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND TYPICAL DETAILS.
 3.5. FIELD " TOUCH-UP " BOLTS, WELDS, BURNED OR SCRAPED SURFACES AFTER ERECTION.
 3.6. NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL CONSULTANT.
 3.7. CO-ORDINATE WITH MECHANICAL AND ELECTRICAL CONSULTANTS AND SUB-TRADES WHOSE WORK MAY EFFECT DETAILING, FABRICATION AND ERECTION OF THE STEEL STRUCTURE.
 3.8. WHEREVER ITEMS ARE TO BE HUNG FROM JOISTS, CONNECT TO THE TOP CHORDS AT PANEL POINTS, UNLESS OTHERWISE PERMITTED.
 3.9. PROVIDE L76X76X6.4(MIN) ANGLE SEATS FOR ALL STEEL DECK AT LOCATIONS WHERE THE CONNECTION TO SUPPORTING FRAMING IS INTERRUPTED. (EG. AT COLUMNS)
 3.10. PROVIDE ALL NECESSARY TEMPORARY BRACING TO KEEP STRUCTURE SAFE AND PLUMB. BRACING SHOWN ON STRUCTURAL DRAWINGS IS PERMANENT FOR FINISHED BUILDING ONLY.
 3.11. PROVIDE A MINIMUM OF 2-12 mm (1/2") DIAMETER BY 250 (10") LONG WALL ANCHORS FOR ALL BEAM AND JOIST BEARING PLATES ON MASONRY, OR AN APPROVED EQUAL, UNLESS OTHERWISE NOTED. BEAMS AND JOIST SHOES TO BE WELDED TO BEARING PLATES.
 3.12. PROVIDE ADJUSTABLE ANCHORS TO ALL STEEL TO BE BUILT INTO, ABUTTED BY, OR FACED WITH MASONRY (REFER ALSO TO TYPICAL DETAILS
  FOR VERTICAL SPACING .... 600 (24") MAX. CENTRES.
  FOR HORIZONTAL SPACING .... 10 TIMES WALL THICKNESS* (MAX. 2000 (6'-8") CENTRES)
  (* NOTE, USE BACK-UP WYTHE THICKNESS ONLY, FOR CAVITY WALLS.)
 3.13. WHERE STEEL PROVIDES LATERAL BRACING ONLY TO MASONRY (I.E. DOES NOT SUPPORT MASONRY) ANCHORS SHALL PERMIT DIFFERENTIAL VERTICAL MOVEMENT BETWEEN STRUCTURAL MEMBERS AND MASONRY.
4. QUALITY CONTROL
 4.1. AN INDEPENDENT INSPECTION AND TESTING COMPANY IS TO INSPECT STRUCTURAL STEEL AND STEEL DECK IN THE SHOP AND IN THE FIELD FOR WELDING, CONNECTIONS, BOLT TORQUES, AND GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
 4.2 SEE SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS.

STEEL DECK NOTES — A05

1. GENERAL
 1.1. DESIGN, FABRICATION, HANDLING AND ERECTION SHALL CONFORM TO THE FOLLOWING STANDARDS:
  1.1.a. CSA-S136
  1.1.b. CSSBI 10M .... STANDARD FOR STEEL ROOF DECK.
  1.1.c. CSSBI 12M .... STANDARD FOR COMPOSITE STEEL DECK.
  1.1.d. ASTM A653 .... SPECIFICATIONS FOR STEEL SHEET, ZINC COATED (GALVANIZED) OR ZINC-IRON ALLOY COATED (GALVANNEALED) BY THE HOT DIP PROCESS.
  1.1.e. WELDING SHALL CONFORM TO CSA STANDARD W59 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA STANDARD W47.1.
 1.2. THE STEEL DECK SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
 1.3. NO HANGERS OR BRACKETS SHALL BE HUNG DIRECTLY FROM THE FLOOR OR ROOF DECK. ALL POINT LOADS MUST BE APPLIED DIRECTLY TO STRUCTURAL STEEL FRAMING UNLESS OTHERWISE SHOWN OR APPROVED BY THE STRUCTURAL CONSULTANT.
 1.4 WHEREVER STRUCTURAL FRAMING PERMITS, STEEL DECK SHALL BE DESIGNED AND FABRICATED TO SPAN CONTINUOUSLY OVER AT LEAST 4 SUPPORTS (3 SPANS). PROVIDE AN ADEQUATE INCREASE IN THICKNESS OF METAL TO COMPENSATE FOR CONTINUITY WHEREVER FEWER SUPPORTS MAY OCCUR. END LAPS TO BE 50mm (2") MIN. AND BE LOCATED OVER SUPPORTS.
 1.5. ROOF DECK SHALL BE FORMED WITH INTEGRAL RIBS IN ORDER TO SAFELY SUPPORT THE LOADS GIVEN ON THE DRAWINGS OVER THE SPANS REQUIRED. DECK THICKNESS GIVEN ON DRAWINGS IS MINIMUM ASSUMED ALLOWABLE THICKNESS AND MUST BE DESIGNED BY THE DECK SUPPLIER.
  1.5.a. DEFLECTION OF ROOF DECK UNDER LIVE OR SNOW LOAD ONLY SHALL NOT EXCEED 1/300TH OF SPAN.
 1.6. FLOOR DECK SHALL BE FORMED WITH INTEGRAL RIBS AND EMBOSSMENTS FOR COMPOSITE ACTION WITH CONCRETE SLAB IN ORDER TO SAFELY SUPPORT THE LOADS GIVEN ON THE DRAWINGS OVER THE SPANS REQUIRED. IN ADDITION, THE DECK SHALL SAFELY SUPPORT ALL CONSTRUCTION LOADS WITH NO SHORING UNTIL CONCRETE IS SET. DECK THICKNESS GIVEN ON DRAWINGS IS MINIMUM ALLOWED.
  1.6.a. DEFLECTION OF COMPOSITE FLOOR UNDER LIVE LOAD ONLY SHALL NOT EXCEED 1/360TH OF SPAN.
 1.7. DESIGN AND DETAIL ON SHOP DRAWINGS ALL CONNECTIONS TO SUPPORTING MEMBERS FOR ALL COMBINATIONS OF DIAPHRAGM SHEAR AND UPLIFT FORCES ACTING ON THE ROOF DECK.
2. PRODUCTS
 2.1. UNLESS OTHERWISE NOTED ROOF DECK AND / OR COMPOSITE DECK SHALL BE FORMED OF METALLIC COATED SHEET STEEL CONFORMING TO ASTM A653/ A653M, STRUCTURAL QUALITY GRADE ' 275' WITH A ZF75 ZINC COATING, (GALVANNEAL).
 2.2. UNLESS OTHERWISE NOTED DECK SHALL BE SINGLE FLUTED ELEMENT WITH INTEGRAL RIBS OF DEPTH AND MIN. BASE NOMINAL THICKNESS (BNT) AS NOTED ON THE DRAWINGS. DECK SHALL HAVE INTERLOCKING SIDE JOINTS BETWEEN PANELS. (MIN.. BNT. 0.76mm (0.30")).
 2.3. COVER PLATES, CELL CLOSURES, FLASHINGS AND REINFORCING STIFFENERS FOR UNSUPPORTED EDGES TO BE SUPPLIED OF SIMILAR MATERIAL AND ZINC COATING TO THAT FOR DECK, UNLESS NOTED.
 2.4. PRIMER PAINT TO BE ZINC RICH, READY MIX TO CAN/ CGSB-1.181 FOR FIELD "TOUCH-UP" OF WELD BURNS AFTER DECK IS INSTALLED.
 2.5. UNLESS OTHERWISE SHOWN FOR OPENINGS THROUGH ROOF DECK FROM 150mm TO 450mm (6" TO 18") ACROSS THE FLUTES THE DECK SUPPLIER SHALL PROVIDE NOT LESS THAN A 51x51X6.4 ANGLE (2"x2"x 1/4 L). REINFORCEMENT TO FRAME ACROSS EACH SIDE OF THE OPENING PERPENDICULAR TO THE FLUTES, WELDED TO AT LEAST TWO FLUTES EACH SIDE OF THE OPENING.
 2.6. FOR ROOF OPENINGS OVER 450mm (18") ACROSS THE FLUTES AND FOR AREAS OF CONCENTRATED LOAD, REINFORCE IN ACCORDANCE WITH STRUCTURAL FRAMING DETAILS SHOWN ON PLANS OR TYPICAL DETAILS.
3. EXECUTION
 3.1. SUPPLY AND PLACE STEEL PACKING AS REQUIRED TO PRODUCE AN EVEN BEARING PRESSURE AT SUPPORTS.
 3.2. FOR STEEL ROOF DECK, UNLESS OTHERWISE DETERMINED DURING THE DIAPHRAGM AND UPLIFT CONNECTION DESIGN OR SPECIFIED OTHERWISE IN THE SPECIFICATIONS OR ENGINEERING DRAWINGS, THE MINIMUM ATTACHMENT OF THE DECK TO THE BEARING SURFACES AND THE MINIMUM SIDE LAP CONNECTIONS BETWEEN DECK UNITS SHALL BE:
  3.2.A. FOR 38mm DEEP DECK PROFILES, CONNECT THE FIRST, THIRD, FIFTH AND SEVENTH LOW CORRUGATIONS (36/4 CONFIGURATION), AND EACH SUPPORT PARALLEL TO FLUTE DIRECTION AT 300mm [12"] MAXIMUM CENTERS. CONNECTIONS SHALL BE MADE USING EITHER AN ARC SPOT WELD WITH 20mm [3/4"] NOMINAL TOP DIAMETER, OR MECHANICALLY FASTENED USING HILTI POWDER ACTUATED FASTENERS (X-HSN24, HILTI X-ENP19, OR EQUIVALENT).
  3.2.B. FOR 76mm DEEP DECK PROFILES, CONNECT THE FIRST, THIRD AND FIFTH LOW CORRUGATIONS (24/3 CONFIGURATION), AND EACH SUPPORT PARALLEL TO FLUTE DIRECTION AT 300mm [12"] MAXIMUM CENTERS. CONNECTIONS SHALL BE MADE USING EITHER AN ARC SPOT WELD WITH 20mm [3/4"] NOMINAL TOP DIAMETER, OR MECHANICALLY FASTENED USING HILTI POWDER ACTUATED FASTENERS (X-HSN24, HILTI X-ENP19, OR EQUIVALENT).
  3.2.C. FOR ROOF DECKS, SIDE LAPS OF ADJACENT NESTABLE UNITS SHALL BE CRIMPED TOGETHER AT 900mm [36"] CENTRES, OR FASTENED WITH HILTI M HWH SCREWS (SLC01, SLC02, OR EQUIVALENT).
 3.3. FOR STEEL FLOOR DECK, UNLESS OTHERWISE DETERMINED DURING THE DIAPHRAGM CONNECTION DESIGN OR SPECIFIED OTHERWISE IN THE SPECIFICATIONS OR ENGINEERING DRAWINGS, THE MINIMUM ATTACHMENT OF THE DECK TO THE BEARING SURFACES AND THE MINIMUM SIDE LAP CONNECTIONS BETWEEN DECK UNITS SHALL BE:
  3.3.A. SIDE LAPS OF ADJACENT FLOOR UNITS SHALL BE CRIMPED TOGETHER AT 600mm [24"] MAXIMUM ON CENTRE, BUT NOT EXCEEDING THE SPACING REQUIRED FOR THE APPLICABLE ULC FIRE RATED ASSEMBLY.
  3.3.B. DECK SUPPORTS PARALLEL AND PERPENDICULAR TO FLUTES SHALL BE WELDED WITH 20mm [3/4"] WELDS AT 300mm [12"] MAXIMUM SPACING, BUT NOT EXCEEDING THE SPACING REQUIRED FOR THE APPLICABLE ULC FIRE RATED ASSEMBLY.
  3.3.C. THE REQUIRED PUDDLE WELDS AT SUPPORTS MAY BE SUBSTITUTED WITH POWDER ACTUATED FASTENERS THAT PROVIDE EQUIVALENT DIAPHRAGM SHEAR CAPACITY PER METRE.
 3.4. INSTALL ALL POWDER ACTUATED AND SCREW FASTENERS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
 3.5. WELD STUD SHEAR CONNECTORS THROUGH DECK WHERE REQUIRED BY DRAWINGS.
 3.6. "TOUCH-UP" GALVANIZED OR GALVANNEALED SURFACES WITH SPECIFIED PRIMER AT WELDS AND SCRAPES, ETC., BOTH UPPER AND LOWER SURFACES.
 3.7. DO NOT SUSPEND CEILING OR MECHANICAL/ELECTRICAL SERVICES FROM U/S OF STEEL DECK.
4. QUALITY CONTROL
 4.1. AN INDEPENDENT INSPECTION AND TESTING COMPANY IS TO BE ENGAGED TO CARRY OUT AND REPORT ON THE FOLLOWING INSPECTION SERVICES:
  4.1.a. SECTION PROFILE, GAUGE AND STEEL GRADE.
  4.1.b. ZINC COATING.
  4.1.c. WELDED JOINTS.
  4.1.d. BEARINGS.
  4.1.e. SIDE LAP CONNECTIONS.
  4.1.f. TOUCH-UP PRIMER.
  4.1.g. FIELD CUTTING AND/OR ALTERATIONS.
 4.2. REFER ALSO TO THE GENERAL NOTES, SPECIFICATIONS, AND TERMS OF REFERENCE FOR ADDITIONAL INFORMATION.

LOAD BEARING MASONRY NOTES — A06

1. **GENERAL**
 1.1. UNLESS OTHERWISE NOTED OR SHOWN ON THE DRAWINGS, THE FOLLOWING INDICATES THE MINIMUM REQUIREMENTS APPLICABLE TO STRUCTURAL LOAD BEARING MASONRY.
 1.2. REFER ALSO TO ARCHITECTURAL DRAWINGS AND / OR THE SPECIFICATION FOR REQUIREMENTS OTHER THAN STRUCTURAL, AND FOR NON-LOAD BEARING WALLS AND PARTITIONS.
 1.3. MASONRY CONSTRUCTION TO CONFORM TO CSA STANDARD A371 AND S304.
2. **PRODUCTS**
 2.1. CONCRETE BLOCKS TO BE MODULAR UNITS AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND /OR SPECIFICATION, AND UNLESS ` OTHERWISE NOTED SHALL BE:
  2.1.1. FOR BELOW GRADE AND EXTERIOR EXPOSED WALLS USE NORMAL WEIGHT LOAD BEARING UNITS:
   STANDARD HOLLOW: ....TYPE H / 15 / A / M.
   75% SOLID: ....TYPE S / 15 / A / M.
   100% SOLID: ....TYPE S / 15 / A / M.
  2.1.2. FOR INTERIOR ABOVE GRADE WALLS USE EITHER:
   2.1.2.1. LIGHTWEIGHT LOAD BEARING BLOCKS:
    STANDARD HOLLOW: ......TYPE H / 15 / C / M.
    75% AND 100% SOLID: ......TYPE S / 15 / C / M.
   2.1.2.2. ULTRA LIGHT (OR EQUIVELANT) BLOCKS:
    STANDARD HOLLOW: ....TYPE H / 15 / D / M.
    (REFER TO ARCHITECTURAL DRAWINGS AND SCHEDULES FOR LOCATIONS AND TYPES).
  2.1.3. F'm SHALL BE AS DEFINED ABOVE AND SHALL CONFORM TO CSA S304 TABLE 4. Ft SHALL CONFORM TO CSA S304 TABLE 5
 2.2. CLAY BRICKS:
  TO CONFORM TO OCSA STANDARD A82 SEE ARCHITECTURAL DRAWINGS AND / OR SPECIFICATIONS FOR TYPES AND STYLES OF BRICKS REQUIRED. UNLESS OTHERWISE NOTED, THE MINIMUM COMPRESSIVE STRENGTH (BRICK FLATWISE) GROSS AREA SHALL BE 20 MPa.
 2.3. MORTAR:
  TO CONFORM TO CSA A179
  FOR LAYING ALL LOAD BEARING CONCRETE BLOCKS ....USE TYPE "S" MORTAR UNLESS NOTED. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 8.5 MPa.
  FOR LAYING ALL CLAY BRICKS ....USE TYPE "N" MORTAR UNLESS NOTED. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 3.5 MPa.
 2.4. MASONRY GROUT:
  TO CONFORM TO CSA A179. THE SLUMP SHALL CONFORM TO THE NOTES ON TABLE 7 OF THE STANDARD AND THE MINIMUM 28 DAY COMPRESSIVE STRENGTH FOR "FINE" GROUT SHALL BE 10MPa.
 2.5. MASONRY CONNECTORS (ANCHORS, FASTENERS AND TIES):
  SHALL CONFORM TO CSA A370, AND BE INSTALLED TO COMPLY WITH CSA A371.
  SPACING, STRENGTH AND GALVANIZING OF STRIP TIES, DOVETAIL ANCHORS, BAR ANCHORS, ROD ANCHORS, STRAP ANCHORS, WALL AND PARTITION ANCHORS SHALL COMPLY WITH CSA A370.
 2.6. HORIZONTAL JOINT REINFORCEMENT FOR ALL MASONRY WALLS:
  THE FOLLOWING ARE MINIMUM REQUIREMENTS:
  2.6.1. CONFORM TO CSA STANDARDS A370 AND A371.
  2.6.2. REINFORCEMENT SHALL BE AN APPROVED CONTINUOUS "LADDER" TYPE, PREFABRICATED WITH 3.66mm DIAMETER (9 GAUGE) LONGITUDINAL AND CROSS WIRES.
  2.6.3. SPACING:- PROVIDE REINFORCING IN THE TOP COURSE IMMEDIATELY BELOW FLOOR AND ROOF BEARING LEVELS AND THE FIRST TWO COURSES ABOVE AND BELOW EVERY WALL OPENING.THE REINFORCING SHALL EXTEND 600mm (24") BEYOND SUCH OPENINGS. FOR THE REMAINDER OF WALLS, THE VERTICAL SPACING SHALL NOT EXCEED 400mm (16").
  2.6.4. OVERLAP SPLICES:
   SHALL BE A MIN. OF 150mm (6") FOR KNURLED WIRE AND 300mm (12") FOR PLAIN WIRE.
   LAPS SHALL BE STAGGERED A MINIMUM OF 750mm (30") FROM COURSE TO COURSE.
   REINFORCING SHALL NOT PASS THROUGH A VERTICAL CONTROL JOINT UNLESS OTHERWISE SHOWN.
  2.6.5. CORROSION RESISTANCE:
   JOINT REINFORCING FOR ALL WALLS IN CONTACT WITH SOIL, EXTERIOR WALLS AND WALLS IN A MOIST ENVIRONMENT SHALL HAVE AT LEAST LEVEL 2 CORROSION PROTECTION AS DEFINED IN CSA STANDARD A370.
  2.6.6. COMPOSITE AND CAVITY WALLS:
   WHERE COURSING OF WYTHES DO NOT ALIGN OF WHERE IT IS DESIRABLE AND PERMITTED TO BUILD ONE WYTHE BEFORE THE OTHER, REINFORCING SHALL BE AN APPROVED ADJUSTABLE TYPE WITH A BOX OR EYE SECTION WHICH EXTENDS INTO THE COLLAR JOINT OR CAVITY AND RESTRAINS THE TRANSVERSE MOVEMENT OF THE TWO WYTHES. FOR CAVITY WALLS WITH RIGID INSULATION, EXTENSION SHALL BE DESIGNED TO HOLD THE INSULATION IN PLACE BY USE OF PLASTIC WEDGES OR APPROVED EQUAL. GALVANIZED HOOK STYLE "BOX TIES" OR "PIN-TIES" SHALL EXTEND INTO THE FACE WYTHE TO COMPLETE THE ASSEMBLY.
  2.6.7. PROVIDE ALL PREFABRICATED CORNER AND TEE SECTIONS.

LOAD BEARING MASONRY NOTES — A06

 2.7. COMPOSITE WALLS:- SHALL HAVE THE VERTICAL COLLAR JOINTS BETWEEN WYTHES COMPLETELY FILLED WITH MORTAR OR GROUT.
 2.8. BOND BEAMS:- MADE FROM LINTEL BLOCKS, OR HALF WEB BLOCKS, WHERE SHOWN ON STRUCTURAL DRAWING SHALL CONFORM TO CSA A371.
 2.9. GROUTING:- BY FILLING VOIDS OF HOLLOW UNITS AND REINFORCED HOLLOW UNITS SHALL CONFORM TO CSA A179 (MORTAR IS NOT ACCEPTABLE).
 2.10.MOVEMENT JOINTS:
  SHALL BE PROVIDED. SEE ARCHITECTURAL DRAWINGS AND/ OR SPECIFICATION FOR DETAILS.
3. **EXECUTION**
 3.1. BEARING ON MASONRY:
  3.1.1. MINIMUM BEARING ON MASONRY UNLESS OTHERWISE NOTED:-
   BEAMS (STEEL, CONC., WOOD)........................ 200mm (8") NOMINAL
   LINTELS (STEEL, CONC., WOOD) .... 150mm (6") NOMINAL
   JOISTS (STEEL, WOOD) .... 100mm (4") NOMINAL
   SLABS (CAST-IN-PLACE, PRECAST) .... 100mm (4") NOMINAL
   STEEL DECKING (ON WELD PLATE) .... 100mm (4") NOMINAL
  3.1.2. MASONRY BEARINGS SHALL BE OF SOLID BLOCKS (OR GROUTED SOLID) OR BRICKS LAID IN MORTAR. ALL JOINTS ARE TO BE FULLY FILLED WITH TYPE 'S' MORTAR.
  3.1.3. MIN. SIZE OF SOLID BEARINGS AT BEAMS AND LINTELS UNLESS NOTED SHALL BE EQUAL TO TWICE THE BEARING / WALL PLATE (WP) LENGTH AND FOR A DEPTH EQUAL TO THE BEARING / WALL PLATE (WP) LENGTH, AND IN NO CASE LESS THAN 400 LONG x 200 DEEP (16" x 8"), SYMMETRICAL UNDER BEARING POINT.
  3.1.4. PROVIDE A MINIMUM OF ONE CONTINUOUS COURSE 200mm (8") OF SOLID OR GROUTED VOID BLOCKS OR BRICKS LAID IN MORTAR AT THE TOP COURSE IMMEDIATELY BELOW ALL FLOOR AND ROOF BEARING LEVELS.
 3.2. TOLERANCES:
  UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS AND / OR SPECIFICATION, SHALL CONFORM TO CSA A371.
 3.3. HOT AND COLD WEATHER CONSTRUCTION:- REQUIREMENTS AND PROTECTION SHALL CONFORM TO CSA A371 AND UNDER NO CIRCUMSTANCES SHALL MASONRY CONSTRUCTION BE PERMITTED WHEN THE AIR TEMPERATURE FALLS BELOW -12°C.
 3.4 RAKED JOINTS AND TOOTH JOINTS SHALL NOT BE USED. CONCAVE TOOLING OF MORTAR JOINTS SHALL NOT EXCEED 3MM.
 3.5 FIFTY PERCENT RUNNING BOND TO BE USED UNO.
4. **QUALITY CONTROL**
 4.1. WHEN REQUESTED SAMPLING AND TESTING SHALL CONFORM TO CSA STANDARD S304 AND ASTM C140. REFER ALSO TO GENERAL NOTES.

LINTEL NOTES — A07

UNLESS OTHERWISE SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS, PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS, AS FOLLOWS:
1. FOR OPENINGS UP TO 1200 mm (4'-0") CLEAR;
 1.1. ONE ANGLE 90 x 90 x 6 (3 1/2" x 3 1/2" x 1/4") FOR EACH 100mm (4") OF WALL THICKNESS OR PORTION THEREOF.
 OR
 1.2. 200mm (8") DEEP MASONRY LINTEL BLOCK REINFORCED WITH 1-10M BOTTOM FOR EACH 100mm (4") OF WALL THICKNESS OR PORTION THEREOF.
2. FOR OPENINGS FROM 1200mm (4'-0") CLEAR TO 1800mm (6'-0") CLEAR;
 2.1. ONE ANGLE 125 x 90 x 8 LONG LEG VERTICAL (5"x 3 1/2" x 5/16") FOR EACH 100mm (4") OF WALL THICKNESS OR PORTION THEREOF.
 OR
 2.2. 200mm (8") DEEP MASONRY LINTEL BLOCK REINFORCED WITH 1-15M BOTTOM FOR EACH 100mm (4") OF WALL THICKNESS OR PORTION THEREOF.
3. ALL LINTELS TO BEAR 150mm (6") MINIMUM AT EACH END ON SOLID MASONRY, UNLESS SHOWN OTHERWISE.
4. PAIRS OF LINTEL ANGLES ARE TO BE BOLTED OR WELDED TOGETHER, PRIOR TO SHIPMENT, AT MAXIMUM 450mm (18") CENTRES.
5. MASONRY LINTEL BLOCKS MAY ONLY BE USED IN LOAD-BEARING WALLS WITH PERMISSION AND MUST BE FILLED WITH 20 MPa CONCRETE. MORTAR IS NOT ACCEPTABLE AND WILL BE REJECTED.
6. STEEL LINTELS ARE TO BE SUPPLIED BY STEEL CONTRACTOR BUT PLACED BY GENERAL CONTRACTOR OR MASONRY SUB- CONTRACTOR.
7. STEEL CONTRACTOR TO SUPPLY ALL NECESSARY DIRECTIONS REQUIRED FOR PLACING STEEL LINTELS.
8. WHILE EVERY EFFORT HAS BEEN MADE TO SHOW ON THE STRUCTURAL DRAWINGS EACH AND EVERY LINTEL OVER DOORS, MECHANICAL AND ELECTRICAL SERVICES, RECESSES AND POCKETS ETC., THROUGH LOAD-BEARING MASONRY WALLS, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO CO-ORDINATE AND SUPPLY ALL LINTELS REQUIRED THROUGH ALL WALLS (INCLUDING NON-LOAD BEARING WALLS) THROUGHOUT THE PROJECT. UNLESS OTHERWISE DIRECTED, LINTELS SHALL CONFORM TO THE ABOVE REQUIREMENTS.
9. REFER ALSO TO TYPICAL DETAILS.

ALTERATIONS AND / OR CONNECTIONS TO EXISTING STRUCTURE — A15

ALTERATIONS AND/OR CONNECTIONS TO EXISTING STRUCTURE
1. COORDINATE PROPOSED SCHEDULE OF WORK WITH ALL THE SUBTRADES, CONSULTANTS AND OWNER.
2. SUBMIT PROPOSED SEQUENCE OF WORK TO CONSULTANT FOR REVIEW PRIOR TO START OF WORK.
3. INSPECT THE EXISTING BUILDING AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS.
 NOTE: DETAILS SHOWN ARE BASED ON INFORMATION FROM EXISTING BUILDING DRAWINGS ONLY.
4. CHECK ALL DRAWINGS AGAINST ACTUAL SITE CONDITIONS PRIOR TO FABRICATING ANY STRUCTURAL STEEL. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
5. PRIOR TO FABRICATION OF STRUCTURAL STEEL, OPEN UP ALL AREAS TO ALLOW THE INSTALLATION OF THE NEW STRUCTURAL WORK, AS WELL AS THE CONNECTION OF NEW WORK TO THE EXISTING WORK. TAKE ANY AND ALL NECESSARY FIELD MEASUREMENTS. MODIFY INSTALLATION METHODS AND METHODS OF CONNECTING TO SUIT SITE CONDITIONS FOUND AND TO THE APPROVAL OF THE CONSULTANT. CARRY OUT LOCAL REPAIRS TO THE EXISTING WORK AS NECESSARY AND AS DIRECTED BY THE CONSULTANT.
6. SHORE EXISTING WORK AS REQUIRED UNTIL ALL NEW WORK HAD BEEN COMPLETED AND REVIEWED BY THE CONSULTANT.
7. SHORE FLOORS AS REQUIRED TO SUPPORT CRANES, HOISTS AND OTHER CONSTRUCTION EQUIPMENT.
8. CONFORM TO ALL THE APPLICABLE CODES AND BYLAWS CONCERNING SAFETY, NOISE AND VIBRATIONS.
9. DO NOT CUT CONCRETE REINFORCEMENT UNLESS REVIEWED AND APPROVED BY THE CONSULTANT.
10. PERFORM CONCRETE SCANS (SEE NOTE #13 BELOW) AND MODIFY THE LAYOUT OF NEW THROUGH BOLTS, DRILLED ANCHORS AND OTHER ANCHORING DEVICES AS REQUIRED TO AVOID DAMAGING EXISTING CONCRETE REINFORCEMENT.
11. UNLESS NOTED OTHERWISE, ALL DOWELS ARE TO BE EPOXIED INTO THE EXISTING STRUCTURE USING HILTI HIT RE-500 SYSTEM ADHESIVE SYSTEM, OR APPROVED ALTERNATIVE.
12. CUTTING OPENINGS AND HOLES IN EXISTING STRUCTURES:
 (A) PRIOR TO CUTTING AND CORING ANY OPENINGS IN THE EXISTING BUILDING, PROVIDE THE CONSULTANT WITH A SLEEVING DRAWINGS INDICATING THE SIZE AND LOCATION OF THE PROPOSED NEW OPENINGS RELATIVE TO THE EXISTING GRID LINES. EXISTING OPENINGS IN THE VICINITY OF THE NEW OPENING MUST ALSO BE SHOWN.
 (B) UNLESS SPECIFICALLY NOTED OTHERWISE, LOCATE EXISTING REINFORCEMENT AND ANY EMBEDDED SERVICES BY AN APPROPRIATE CONCRETE SCANNING METHOD (SEE NOTE #13)
 (C) AFTER ALL THE EXISTING REINFORCEMENT AND SERVICES HAVE BEEN LOCATED, NOTIFY THE CONSULTANT WHO WILL REVIEW AND APPROVE THE PROPOSED OPENING/HOLE LOCATIONS PRIOR TO CUTTING/DRILLING. MAKE ANY NECESSARY ADJUSTMENTS TO THE HOLE LOCATIONS AS DIRECTED BY THE CONSULTANT.
 (D) CORE DRILL NEW HOLES FOR PIPES TO A DIAMETER NOT LARGER THAN THE OUTSIDE PIPE DIAMETER PLUS 25MM. DO NOT CUT EXISTING REINFORCEMENT OR SERVICES WITHOUT PRIOR APPROVAL OF THE CONSULTANT.
 (E) WHERE RECTANGULAR OPENINGS ARE TO BE CUT, PRE-DRILL THE CORNERS USING A 100 MM DIAMETER CORE DRILL OR DRILL A SERIES OF HOLES TO PREVENT OVER CUTTING OF THE CORNERS.
 (F) IN ANY AREAS WHERE THE CONSULTANT PERMITS THE CUTTING OF EXISTING REINFORCEMENT, THE CONTRACTOR SHALL EXAMINE THE CORE/OPENING AFTER DRILLING/CUTTING TO THE DETERMINE THE SIZE, COVER AND ORIENTATION OF ANY REINFORCEMENT THAT WAS CUT. THE CONTRACTOR IS TO MARK THIS INFORMATION ON THE SLEEVING DRAWING AND FORWARD A COPY OF IT TO THE CONSULTANT FOR HIS RECORDS.
13. **CONCRETE SCANS**
 (A) LOCATE EXISTING CONCRETE REINFORCEMENT USING SUITABLE SCANNING DEVICE AS AUTHORIZED BY PROPERTY MANAGER (I.E. X-RAYS, GROUND PENETRATION RADAR (GPR), LOCAL CHIPPING OF SLAB - ONLY WHERE APPROVED BY THE STRUCTURAL CONSULTANT, ETC)
 (B) GPR SCANNING MUST BE DONE BY TRAINED TECHNICIANS WITH AT LEAST 5 YEARS OF EXPERIENCE AS SUCH.
 (C) GPR SCANNING DEVICES MUST BE CAPABLE OF ACCURATELY LOCATING REBAR IN A CONCRETE SLAB TO A MINIMUM DEPTH OF 300 mm, WITHIN A HORIZONTAL TOLERANCE OF +- 25 mm AND A VERTICAL (DEPTH) TOLERANCE OF THE LARGER OF +-25 mm OR +- 15% OF THE REBAR DEPTH.
 (D) THE REVIEW OF REBAR SCANS OR X-RAYS BY THE STRUCTURAL CONSULTANT IS LIMITED TO THE LOCATION OF THE PROPOSED CORES OR DRILLED HOLES THROUGH THE EXISTING STRUCTURE ONLY, BASED ON THE ASSUMPTION THAT THE X-RAY OR SCAN RESULTS ARE ACCURATE. STEPHENSON ENGINEERING LTD. TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE X-RAY OR SCAN RESULTS.

POST-INSTALLED ANCHORS — A16

1. **GENERAL**
 1.1 PROVIDE ALL LABOUR, MATERIALS AND EQUIPMENT TO COMPLETE THE FASTENING INTO CAST-IN-PLACE CONCRETE INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
2. **QUALITY ASSURANCE**
 2.1 FOR POST-INSTALLED CONCRETE OR MASONRY ANCHORS, PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S FIELD REPRESENTATIVE TO PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED. ONLY TRAINED INSTALLERS SHALL PERFORM POST-INSTALLED ANCHOR INSTALLATIONS. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE TO THE STRUCTURAL CONSULTANT OR INDEPENDENT INSPECTION AND TESTING COMPANY REPRESENTATIVE AS REQUESTED. TRAINING TO CONSIST OF A REVIEW OF THE COMPLETE INSTALLATION PROCESS FOR THE SPECIFIC POST-INSTALLED ANCHORS, AND MUST INCLUDE BUT NOT BE LIMITED TO:
  (A) HOLE DRILLING PROCEDURE.
  (B) HOLE PREPARATION AND CLEANING TECHNIQUE.
  (C) ADHESIVE INJECTION TECHNIQUE AND DISPENSER TRAINING/MAINTENANCE.
  (D) REBAR DOWEL PREPARATION AND INSTALLATION.
  (E) PROOF LOADING/TORQUING.
 2.2 ADHESIVE ANCHORS SUPPORTING SUSTAINED TENSION LOADS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED BY ACI/CRSI. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE STRUCTURAL CONSULTANT PRIOR TO COMMENCEMENT OF INSTALLATION.
3. **PRODUCTS**
 3.1 POST-INSTALLED CONCRETE ANCHORS
  3.1.1 MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE, AND SEISMIC APPLICATIONS, UNLESS NOTED OTHERWISE.
  3.1.2 ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE, AND SEISMIC APPLICATIONS, UNLESS NOTED OTHERWISE.
 3.2 POST-INSTALLED MASONRY ANCHORS
  3.2.1 MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106.
  3.2.2 ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58.
 3.3 POWER DRIVEN FASTENERS
  3.3.1 POWER DRIVEN FASTENERS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC70.
4. **EXECUTION**
 4.1 POST INSTALLED ANCHORS SHALL BE USED ONLY WHERE SPECIFIED ON STRUCTURAL DRAWINGS.
 4.2 THE INSTALLATION OF POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST IN-PLACE ANCHORS IS NOT ALLOWED UNLESS APPROVED BY THE STRUCTURAL CONSULTANT.
 4.3 ANCHOR CAPACITY USED IN THE DESIGN HAS BEEN BASED ON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE ANCHORS MUST BE APPROVED IN WRITING BY THE STRUCTURAL CONSULTANT PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS STAMPED BY LICENSED PROFESSIONAL ENGINEER DEMONSTRATING THAT THE ALTERNATIVE ANCHOR IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED FOR COMPLIANCE WITH THE RELEVANT BUILDING CODE AND CSA A23.3 STANDARD. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
 4.4 THE EXISTING REINFORCEMENT IN THE CONCRETE STRUCTURE OR EMBEDDED CONDUITS MAY CONFLICT WITH THE SPECIFIED ANCHOR LOCATIONS. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE SHALL NOT BE CUT UNLESS APPROVED BY THE STRUCTURAL CONSULTANT. THE CONTRACTOR SHALL LOCATE THE EXISTING REINFORCEMENT AND CONDUITS AT THE PROPOSED LOCATIONS OF THE ANCHORS
 BY AN APPROVED NON-DESTRUCTIVE METHODS SUCH AS GROUND PENETRATING RADAR (GPR) OR X-RAYS. MODIFY THE STRUCTURAL ANCHOR DETAILS AS REQUIRED TO AVOID CUTTING REBAR OR CONDUITS, AND SUBMIT THE REVISED DETAILS FOR REVIEW BY STRUCTURAL CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
 4.5 ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) IN CONJUNCTION WITH EDGE DISTANCE, SPACING AND EMBEDMENT DEPTH AS INDICATED ON THE DRAWINGS.
 4.6 ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

TYPICAL CONCRETE COVER TABLE — C01

ELEMENTS EXPOSED TO EARTH	PROJECT SPECIFIC COMMENTS	BAR SIZE	CONCRETE EXPOSURE (1,2,3): CHLORIDES WITH OR WITHOUT FREEZE / THAW — PROTECTED AREA	CHLORIDES WITH OR WITHOUT FREEZE / THAW — UNPROTECTED AREA	NO CHLORIDES WITH FREEZE / THAW — EXTERIOR EXPOSED CONCRETE	NO CHLORIDES OR FREEZE / THAW — GENERAL NON-EXPOSED CONCRETE
			COVER (mm)			
PERMANENTLY EXPOSED TO SOIL		ALL SIZES	GREATER OF 60mm OR 2.0Ø	GREATER OF 40mm OR 1.5Ø		
CAST AGAINST AND PERMANENTLY EXPOSED TO SOIL (U/S OF FOOTINGS)		ALL SIZES	75			

TABLE NOTES
1. REFER TO CONCRETE MIX DESIGN TABLE FOR EXPOSURE CLASSIFICATION OF STRUCTURAL ELEMENTS.
2. CONCRETE COVER VALUES NOTED IN THE TABLE ARE BASED ON THE GREATER OF CONCRETE EXPOSURE (CSA A23.1-19, CSA S413-21) AND FIRE RATING (NBCC 2020) REQUIREMENTS.
3. CONCRETE COVER SHALL BE MEASURED FOR THE DEEPEST POINT OF TEXTURED CONCRETE SURFACE TO THE NEAREST DEFORMATION OF REINFORCEMENT. REINFORCEMENT INCLUDES TIES, STIRRUPS AND MAIN BARS.
4. THE REQUIRED CONCRETE COVER FOR FIRE RATING OF MAIN BAR IS ACHIEVED BY PROVIDING THE COVER VALUE NOTED FROM THE DEEPEST POINT OF TEXTURED CONCRETE SURFACE TO THE NEAREST DEFORMATION OF 10mm TIE OR STIRRUP REINFORCEMENT.
5. FOR FIRE RATING REFER TO ARCHITECTURAL DRAWINGS. FIRE RATING FOR STRUCTURAL ELEMENTS SHALL BE ASSUMED TO BE 2 HOURS UNLESS NOTED OTHERWISE. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY IN FIRE RATING BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS.
6. FOR COLUMNS THAT ARE FIRE RATED MORE THAN 3HRS AND WITH CONCRETE COVER EXCEEDING 63mm TO VERTICALS, PROVIDE WIRE MESH REINFORCEMENT WITH MINIMUM 1.57mm DIAMETER WIRE WITH 100mm OPENINGS AT MIDWAY IN THE CONCRETE COVER TO RETAIN THE CONCRETE IN POSITION.

TENSION DEVELOPMENT AND LAP SPLICE LENGTHS Fy = 400 MPa — C02B

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOW
 TLS - TENSION LAP SPLICE
 TDL - TENSION DEVELOPMENT LENGTH

TENSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 400 MPa)

TLS: TENSION LAP SPLICE LENGTH (CLASS B) (mm)

UNCOATED BLACK BAR

fc'	10M Top	10M Bottom	15M Top	15M Bottom	20M Top	20M Bottom	25M Top	25M Bottom	30M Top	30M Bottom	35M Top	35M Bottom
20MPa	550	420	820	630	1090	840	1710	1310	2050	1570	2390	1840
25MPa	490	380	740	570	980	750	1530	1170	1830	1410	2130	1640
30MPa	450	350	670	520	890	690	1390	1070	1670	1290	1950	1500
35MPa	420	320	620	480	830	640	1290	990	1550	1190	1800	1390
40MPa	390	300	580	450	770	600	1210	930	1450	1110	1690	1300
45MPa	370	300	550	420	730	560	1140	880	1370	1050	1590	1230
50MPa	350	300	520	400	690	530	1080	830	1300	1000	1510	1160
55MPa	330	300	500	380	660	510	1030	790	1240	950	1440	1110
60MPa	320	300	480	370	630	490	990	760	1180	910	1380	1060
64MPa	310	300	460	360	610	470	960	740	1150	880	1340	1030

TDL: TENSION DEVELOPMENT LENGTH (mm) CLASS "A" LAP SPLICE

UNCOATED BLACK BAR

fc'	10M Top	10M Bottom	15M Top	15M Bottom	20M Top	20M Bottom	25M Top	25M Bottom	30M Top	30M Bottom	35M Top	35M Bottom
20MPa	420	330	630	490	840	650	1310	1010	1570	1210	1840	1410
25MPa	380	300	570	440	750	580	1170	900	1410	1080	1640	1260
30MPa	350	300	520	400	690	530	1070	830	1290	990	1500	1160
35MPa	320	300	480	370	640	490	990	770	1190	920	1390	1070
40MPa	300	300	450	350	600	460	930	720	1110	860	1300	1000
45MPa	300	300	420	330	560	430	880	680	1050	810	1230	940
50MPa	300	300	400	310	530	410	830	640	1000	770	1160	900
55MPa	300	300	380	300	510	390	790	610	950	730	1110	850
60MPa	300	300	370	300	490	380	760	590	910	700	1060	820
64MPa	300	300	360	300	470	360	740	570	880	680	1030	790

NOTES:
1. VALUES PROVIDED ARE BASED ON NORMAL WEIGHT CONCRETE AND MUST BE INCREASED FOR LIGHTWEIGHT CONCRETES:
 a. MULTIPLY BY 1.2 (FOR SEMI-LOW DENSITY CONCRETE)
 b. MULTIPLY BY 1.3 (FOR LOW-DENSITY CONCRETE)
2. IF BUNDLED BARS ARE USED THE VAULES IN THE TABLES MUST BE INCREASED:
 a. MULTIPLY BY 1.1 (TWO BAR BUNDLES)
 b. MULTIPLY BY 1.2 (THREE BAR BUNDLES)
 c. MULTIPLY BY 1.33 (FOUR BAR BUNDLES)

COMPRESSION-TENSION DEVELOPMENT AND LAP LENGTHS Fy = 400 MPa — C02A

NOTES
1. STANDARD ABBREVIATIONS ON PLANS AND SCHEDULES SHOULD BE AS FOLLOWS
 CLS - COMPRESSION LAP SPLICE
 CDL - COMPRESSION DEVELOPMENT LENGTH
 HEL - HOOK EMBEDMENT LENGTH

COMPRESSION LAP SPLICE AND DEVELOPMENT LENGTHS (Fy = 400 MPa)

CLS: COMPRESSION LAP SPLICE LENGTH (mm)

UNCOATED BLACK BAR

10M	15M	20M	25M	30M	35M	45M	55M
300	440	590	730	880	1030	NOT PERMITTED	

CDL: COMPRESSION DEVELOPMENT LENGTH (mm)

UNCOATED BLACK BAR

fc'	10M	15M	20M	25M	30M	35M	45M	55M
20MPa	250	340	420	540	640	770	940	1210
25MPa	220	310	370	600	570	690	840	1080
30MPa	200	280	340	440	530	630	770	990
35MPa	200	280	340	440	530	630	770	990
40MPa	200	280	340	440	530	630	770	990
> 40 MPa	SEE MINIMUM VALUES FOR f'c = 40 MPa							

NOTES:
1. IF BUNDLED BARS ARE USED THE VALUES IN THE TABLES MUST BE INCREASED:
 a. MULTIPLY BY 1.1 (TWO BAR BUNDLES) b. MULTIPLY BY 1.2 (THREE BAR BUNDLES) c. MULTIPLY BY 1.33 (FOUR BAR BUNDLES)
2. FOR EMBEDMENTS ENCLOSED IN SPIRALS, MULTIPLY BY 0.75, BUT NOT LESS THAN 200mm.

HEL: MINIMUM TENSION EMBEDMENT LENGTH WITH STANDARD HOOK (mm)

UNCOATED BLACK BAR

fc'	10M	15M	20M	25M	30M	35M	45M	55M
20MPa	220	340	450	560	670	780	1010	1230
25MPa	200	300	400	500	600	700	900	1100
30MPa	180	270	370	460	550	640	830	1010
35MPa	170	250	340	420	510	590	770	930
40MPa	160	240	320	400	470	550	720	870
45MPa	150	220	300	370	450	520	680	820
50MPa	150	210	280	350	420	490	640	780
55MPa	150	200	270	340	400	470	610	750

NOTES:
1. VALUES PROVIDED ARE BASED ON NORMAL WEIGHT CONCRETE AND MUST BE INCREASED FOR LIGHTWEIGHT CONCRETES:
 a. MULTIPLY BY 1.2 (FOR SEMI-LOW DENSITY CONCRETE)
 b. MULTIPLY BY 1.3 (FOR LOW-DENSITY CONCRETE)
2. FOR 35M AND SMALLER BARS MULTIPLY THE VALUES IN THE TABLE BY 0.7 (BUT NOT LESS THAN 150mm) WHERE THE SIDE COVER (NORMAL TO THE PLANE OF THE HOOK) IS AT LEAST 60mm, AND FOR 90° HOOKS WHERE COVER ON THE BAR EXTENSION BEYOND THE HOOK IS AT LEAST 50mm.
3. FOR 35M AND SMALLER BARS MULTIPLY THE VALUES IN THE TABLE BY 0.8 (BUT NOT LESS THAN 150mm) WHERE THE HOOK IS ENCLOSED WITHIN AT LEAST THREE(3) TIES OR STIRRUPS SPACED ALONG A LENGTH EQUAL TO THE INSIDE DIAMETER OF THE HOOK AT A SPACING NOT MORE THAN 3 TIMES THE BAR DIAMETER.

TYPICAL DETAIL LIST

DETAIL NAME	SHEET NUMBER
A07-LINTEL NOTES	S5-01
A06-LOAD BEARING MASONRY NOTES	S5-01
A03.1-CAST-IN-PLACE CONCRETE NOTES	S5-01
A01-STANDARD ABBREVIATIONS	S5-01
A15-ALTERATIONS AND/OR CONNECTIONS TO EXISTING STRUCTURE	S5-01
A04-STRUCTURAL STEEL AND OWSJ / LSSJ NOTES	S5-01
A05-STEEL DECK NOTES	S5-01
A16-POST-INSTALLED ANCHORS	S5-01
A03.2-CAST-IN-PLACE CONCRETE NOTES	S5-01
A02-GENERAL NOTES 2024	S5-01
C02A COMPRESSION-TENSION LAP LENGTHS PART 1 OF 2	S5-01
C02B TENSION LAP LENGTHS PART 2 OF 2	S5-01
C01 TYPICAL CONCRETE COVER TABLE	S5-01
CG02 THICKENING OF SLAB ON GRADE	S5-02
CG01A SLAB ON GRADE DETAILS	S5-02
CG01B SLAB ON GRADE DETAILS	S5-02
CG01C SLAB ON GRADE DETAILS	S5-02
CW02 TYPICAL DETAIL OF OPENINGS IN CONCRETE WALL	S5-02
CW01 TYPICAL JOINTS IN CONCRETE SHEAR WALLS	S5-02
F09 TYPICAL STEPPED FOOTING DETAILS	S5-02
M04-TYPICAL ELEVATION REINFORCED MASONRY WALLS AND PIERS	S5-02
M03-TYPICAL PLAN DETAIL REINFORCED EXTERIOR MASONRY WALLS AND PIERS PLAN DETAIL	S5-02
M06-TYPICAL DETAIL OF CONSTRUCTED CORNERS IN SINGLE WYTHE MASONRY WALLS (NO CONTROL JOINT)	S5-03
M01A-NON-LOAD BEARING BLOCK WALL LINTELS	S5-02
M02-TYPICAL "DOUBLE COURSE" DEPTH REINFORCED MASONRY LINTEL BEAM	S5-02
M07-TYPICAL MASONRY WALL REINFORCING SCHEDULE NOTES	S5-03
M08-TYPICAL STEEL BEAM BEARING ON MASONRY WALL (PERPENDICULAR)	S5-03
M09-TYPICAL STEEL BEAM BEARING ON END OR CORNER OF MASONRY WALL (MINIMUM REQUIREMENTS)	S5-03
M10-TYPICAL DETAIL AT CONTROL JOINT IN REINFORCED MASONRY WALL	S5-03
M01B-TYPICAL LINTEL DETAILS	S5-02
M15-TYPICAL ADJUSTABLE ANCHORS STEEL / MASONRY	S5-03
M14A-TYPICAL LATERAL SUPPORT AT PARTITIONS_2024	S5-03
SB01-STEEL BEAM AND GIRDER DESIGNATIONS	S5-03
SB02A-ERECTION TOLERANCES FOR STRUCTURAL STEEL BEAMS	S5-03
SB02B-ERECTION TOLERANCES FOR STRUCTURAL STEEL BEAMS	S5-03
SJ02-OWSJ BRIDGING DETAILS	S5-04
SJ03-FREE OPENINGS IN STEEL JOISTS	S5-04
SJ01B-OWSJ ROOF FRAMING DETAILS	S5-03
SJ01C-OWSJ SUPPORTING DECKING	S5-04
SJ01D-OWSJ SUPPORTING DECKING	S5-04
SJ01E-TIE JOISTS	S5-04
SJ01A-OWSJ SUPPORTING DECKING	S5-03
SR01-ROOF / SKYLIGHT OPENING FRAMING DETAILS	S5-04
SR03-CHANGE OF DECK DIRECTION	S5-04
M11-TYPICAL CONCRETE PAD UNDER STEEL COLUMN BEARING ON MASONRY WALL	S5-04
M07A.2 NON LOAD-BEARING MASONRY PARTITION REINFORCING SCHEDULE_2024	S5-03
T-R01/R01A-SLAB ON GRADE REMEDIAL WORK DETAILS	S5-04

KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR, 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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.

LICENSED PROFESSIONAL ENGINEER
26-05-01
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION
390 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

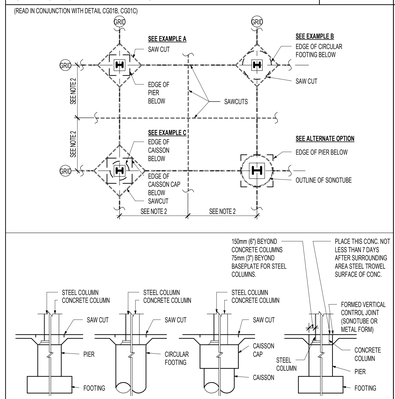
GENERAL NOTES

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE	1 : 1	PROJECT	2549-01310
DATE	MAY 2026		
DRAWN	AE	DRAWING	S5-01
CHECKED	CG / JG		
PRINT DATE	2026-04-28 8:48:11 AM		
REVIT FILE			

SLAB ON GRADE DETAILS — CG01A

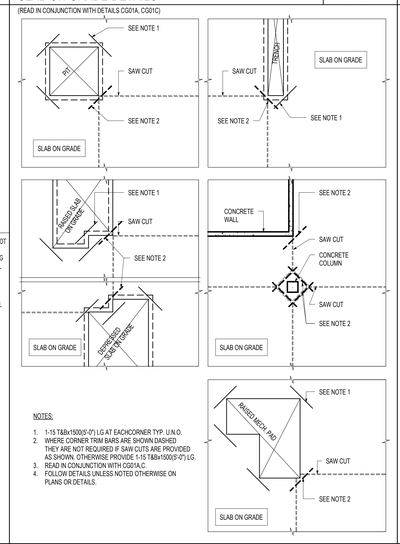
(READ IN CONJUNCTION WITH DETAIL CG01B, CG01C)



NOTES:
1. SAWCUTTING TO BE DONE AS SOON AS POSSIBLE AFTER SLAB IS PLACED. (MAX. 24 HOURS).
2. JOINTS TO BE AT MAX. 3m SLAB THICKNESS FOR MAXIMUM AGGREGATE SIZE SMALLER THAN 19mm(¾") AND 30 TIMES SLAB THICKNESS FOR AGGREGATE SIZE LARGER THAN 19mm (¾"),BUT NOT MORE THAN 4000mm (14'-0")
3. MAXIMUM RATIO BETWEEN LENGTH AND WIDTH OF ANY PANEL (CREATED BY SAWCUT) SHOULD NOT EXCEED 1.5
4. COORDINATE EXACT LOCATIONS OF SAWCUTS IN SLAB ON GRADE WITH ARCHITECTURAL REQUIREMENTS.
5. SAWCUT SLAB ON GRADE AT LOCATIONS SHOWN ON PLAN OR AS NOTED BELOW. ALTERNATE LOCATIONS SHALL BE SUBMITTED TO CONSULTANT FOR REVIEW, WELL IN ADVANCE OF POURING SLAB ON GRADE.
6. AFTER THE SLAB IS A MINIMUM 60 DAYS OLD, REMOVE ALL DEBRIS FROM THE SAW CUTS AND FILL WITH MORTAR CONTAINING CEMENT, SAND AND LATEX BONDING AGENT, OR AS NOTED IN SPECIFICATIONS.
7. PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT ROUT ALL CRACKS IN THE SLAB ON GRADE AND FILL WITH MORTAR CONTAINING CEMENT, SAND AND LATEX BONDING AGENT OR AS NOTED IN SPECIFICATIONS.
8. REFER TO TYPICAL DETAIL CG01B, CG01C FOR SAW CUT DETAILS.

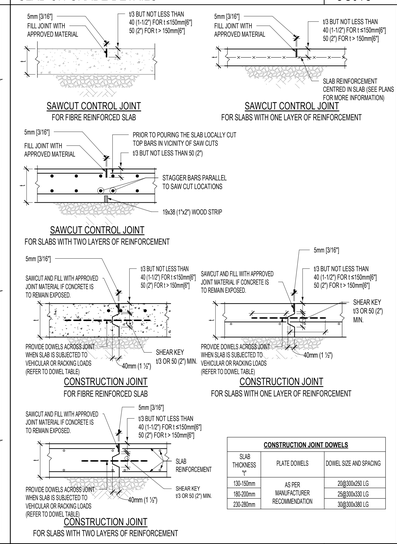
SLAB ON GRADE DETAILS — CG01B

(READ IN CONJUNCTION WITH DETAILS CG01A, CG01C)



NOTES:
1. 1-15 T&Bx1500(5'-0") LG AT EACHCORNER TYP. U.N.O.
2. WHERE CORNER TRIM BARS ARE SHOWN DASHED THEY ARE NOT REQUIRED IF SAW CUTS ARE PROVIDED AS SHOWN. OTHERWISE PROVIDE 1-15 T&Bx1500(5'-0") LG.
3. READ IN CONJUNCTION WITH CG01A,C.
4. FOLLOW DETAILS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

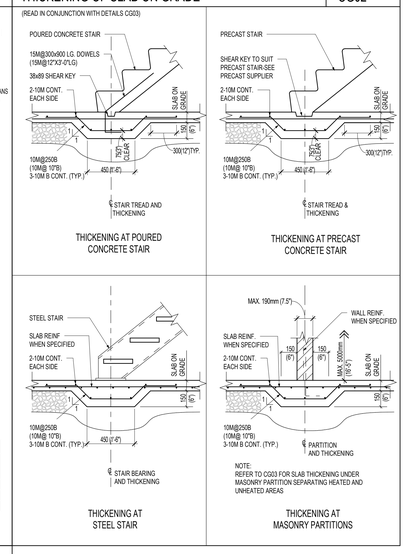
SLAB ON GRADE DETAILS — CG01C



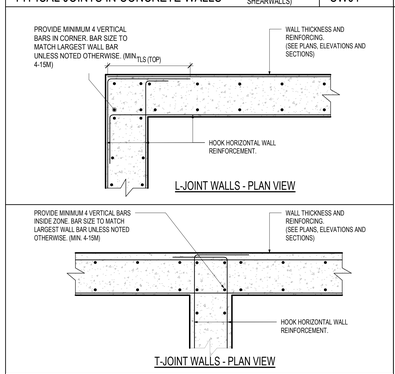
CONSTRUCTION JOINT DOWELS		
SLAB THICKNESS "T"	PLATE DOWELS	DOWEL SIZE AND SPACING
130-150mm	AS PER MANUFACTURER RECOMMENDATION	25@300x250 LG
180-200mm		25@300x300 LG
230-280mm		30@300x300 LG

THICKENING OF SLAB ON GRADE — CG02

(READ IN CONJUNCTION WITH DETAILS CG03)

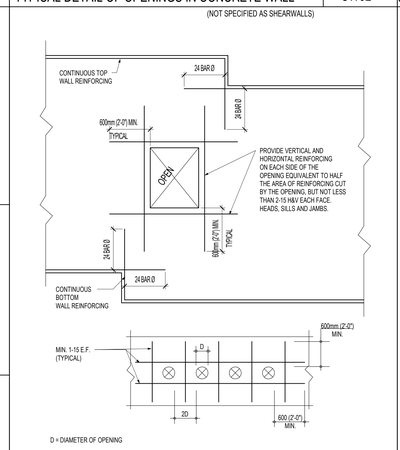


TYPICAL JOINTS IN CONCRETE WALLS (NOT SPECIFIED AS SHEARWALLS) — CW01



TYPICAL DETAIL OF OPENINGS IN CONCRETE WALL — CW02

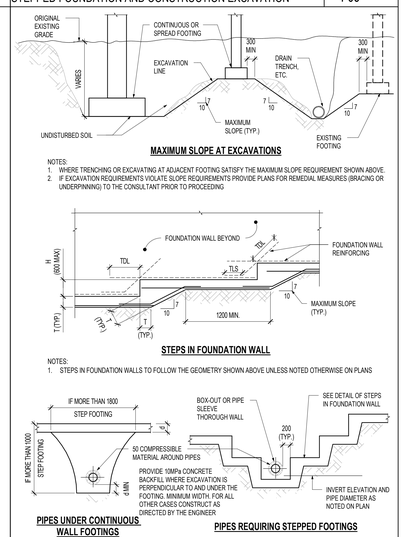
(NOT SPECIFIED AS SHEARWALLS)



TYPICAL DETAIL OF ADDITIONAL REINFORCEMENT AT WALL OPENINGS

(TYPICAL UNLESS OTHERWISE SHOWN ON DRAWINGS)

STEPPED FOUNDATION AND CONSTRUCTION EXCAVATION — F09



NON-LOAD BEARING BLOCK WALL LINTELS — M01A

STRUCTURAL STEEL LINTELS

WALL OPENING CLEAR SPAN	MASONRY BLOCK THICKNESS: 90 (4")	140 (6")	190 (8")	240 (10")	290 (12")
300mm TO 500mm (12" TO 22")	75mm X 8mm PL (3"x5/16" PL)	125mm X 8mm PL (5"x5/16" PL)	175mm X 8mm PL (7"x5/16" PL)	225mm X 8mm PL (9"x5/16" PL)	275mm X 8mm PL (11"x5/16" PL)
500mm TO 1200mm (22" TO 4'-0")	1-L89x89x6.4 OR 2-L44x44x4.8	1-L127x89x6.4 (LLH) OR 2-L64x44x4.8	2-L89x89x6.4	L102x89x6.4 (LLH) + L127x89x6.4 (LLH)	3-L89x89x6.4
1200mm TO 1830mm (4'-0" TO 6'-0")	1-L127x89x7.9 (LLV) OR 2-L51x38x6.4(LLV)	1-L127x127x7.9 OR 2-L89x64x6.4 (LLV)	2-L89x89x6.4	L102x89x6.4 (LLH) + L127x89x6.4 (LLH)	3-L89x89x6.4
1830mm TO 2440mm (6'-0" TO 8'-0")	1-L127x89x7.9 (LLV)	1-L127x127x7.9 OR 2-L89x64x7.9 (LLV)	2-L127x89x6.4 (LLV)	L102x102x7.9 + L127x102x7.9 (LLH)	3-L127x89x6.4 (LLV)
2440mm TO 3089mm (8'-0" TO 10'-0")	1-L127x89x9.5 (LLV)	1-L127x127x7.9	2-L127x89x7.9 (LLV)	L152x102x7.9 (LLV) + L127x127x7.9	3-L127x89x7.9 (LLV)
3089mm TO 3660mm (10'-0" TO 12'-0")	N/A	N/A	W200x27 + 175x6.4 PL, BOTTOM	W200x27 + 225x6.4 PL, BOTTOM	N/A

STRUCTURAL STEEL LINTEL NOTES:
1. WHEN PROVIDING MULTIPLE ANGLES SEE DIAGRAMS FOR ORIENTATION. BOLT DOUBLE ANGLES BACK TO BACK USING 16mmØ BOLTS OR PROVIDE 6mmX50mm (1/4"x2") LONG WELDS @450mm (18") O/C STARTING AT 100mm (4") MAX FROM THE EACH END OF THE LINTEL.
2. SAWCUT WEBS OF BLOCK IN COURSE OF BLOCK OVER OPENING AS NECESSARY TO INSTALL ANGLES.
3. ALTERNATIVES PROVIDED FOR CASES WHERE EXPOSED FACE OF SINGLE ANGLE IS NOT ACCEPTABLE.

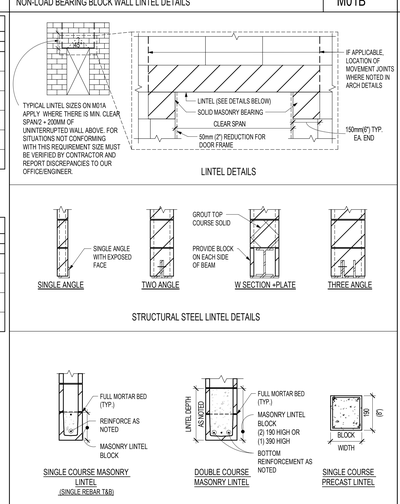
MASONRY BEAM LINTELS

WALL OPENING CLEAR SPAN	MASONRY BLOCK THICKNESS: 140 (6")	190 (8")	240 (10")	290 (12")
0mm TO 1200mm (0" TO 4'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	190 (8") DEEP 1-10M B	190 (8") DEEP 1-10M B
1200mm TO 1830mm (4'-0" TO 6'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B
1830mm TO 2440mm (6'-0" TO 8'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B
2440mm TO 3089mm (8'-0" TO 10'-0")	390 (16") DEEP 1-10M B	390 (16") DEEP 1-15M B	390 (16") DEEP 1-15M B	390 (16") DEEP 3-10M B

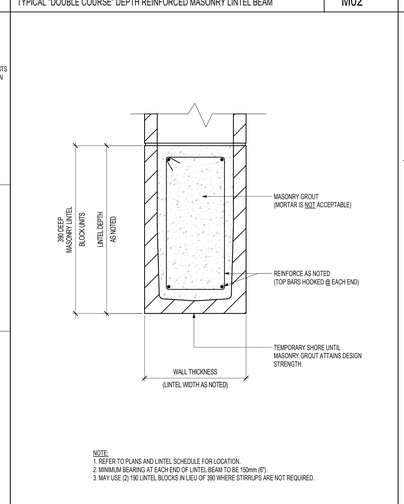
MASONRY BEAM LINTEL NOTES:
1. BEAM MUST BE FILLED WITH MASONRY GROUT (MORTAR IS NOT ACCEPTABLE). REFER TO M03 FOR DETAILS.
2. TEMPORARILY SHORE LINTEL UNTIL GROUT HAS REACHED FULL DESIGN STRENGTH.

GENERAL LINTEL NOTES:
1. REFER TO PLANS AND LINTEL SCHEDULE FOR LOCATION.
2. MINIMUM BEARING AT EACH END OF LINTEL TO BE 150mm (6").
3. REFER TO DETAIL M01B.

NON-LOAD BEARING BLOCK WALL LINTEL DETAILS — M01B

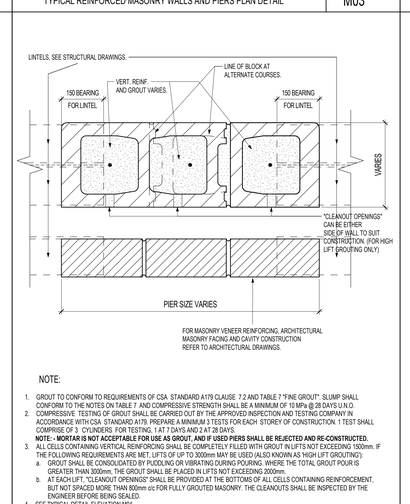


TYPICAL "DOUBLE COURSE" DEPTH REINFORCED MASONRY LINTEL BEAM — M02



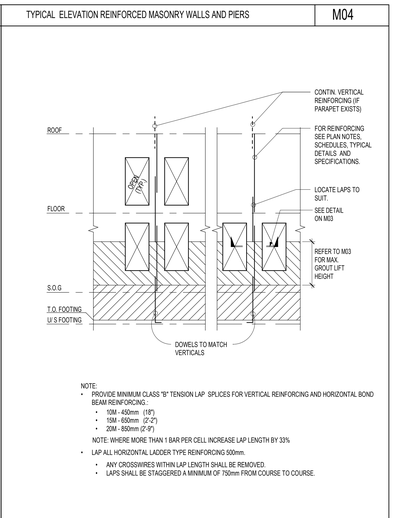
NOTE:
1. REFER TO PLANS AND LINTEL SCHEDULE FOR LOCATION.
2. MINIMUM BEARING AT EACH END OF LINTEL BEAM TO BE 150mm (6").
3. MAY USE (2) 190 LINTEL BLOCKS IN LIEU OF 390 WHERE STIRRUPS ARE NOT REQUIRED.

TYPICAL REINFORCED MASONRY WALLS AND PIERS PLAN DETAIL — M03



NOTE:
1. GROUT TO CONFORM TO REQUIREMENTS OF CSA STANDARD A179 CLAUSE 7.2 AND TABLE 7 "FINE GROUT". SLUMP SHALL CONFORM TO THE NOTES ON TABLE 7 AND COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 10 MPa @ 28 DAYS U.N.O.
2. COMPRESSIVE TESTING OF GROUT SHALL BE CARRIED OUT BY THE APPROVED INSPECTION AND TESTING COMPANY IN ACCORDANCE WITH CSA STANDARD A179. PREPARE A MINIMUM 3 TESTS FOR EACH STOREY OF CONSTRUCTION. 1 TEST SHALL COMPRISE OF 3 CYLINDERS FOR TESTING, 1 AT 7 DAYS AND 2 AT 28 DAYS.
   NOTE:- MORTAR IS NOT ACCEPTABLE FOR USE AS GROUT, AND IF USED PIERS SHALL BE REJECTED AND RE-CONSTRUCTED.
3. ALL CELLS CONTAINING VERTICAL REINFORCING SHALL BE COMPLETELY FILLED WITH GROUT IN LIFTS NOT EXCEEDING 1500mm. IF THE FOLLOWING REQUIREMENTS ARE MET, LIFTS OF UP TO 3000mm MAY BE USED (ALSO KNOWN AS "HIGH LIFT GROUTING"):
   a. GROUT SHALL BE CONSOLIDATED BY PUDDLING OR VIBRATING DURING POURING. WHERE THE TOTAL GROUT POUR IS GREATER THAN 3000mm, THE GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 2000mm.
   b. AT EACH LIFT, "CLEANOUT OPENINGS" SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS CONTAINING REINFORCEMENT, BUT NOT SPACED MORE THAN 800mm c/c FOR FULLY GROUTED MASONRY. THE CLEANOUTS SHALL BE INSPECTED BY THE ENGINEER BEFORE BEING SEALED.
4. SEE TYPICAL DETAIL ELEVATION M04.

TYPICAL ELEVATION REINFORCED MASONRY WALLS AND PIERS — M04



KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR. 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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. REUSE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

LICENSED PROFESSIONAL ENGINEER 26-05-01 J. C. GASDIA 100169574 PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

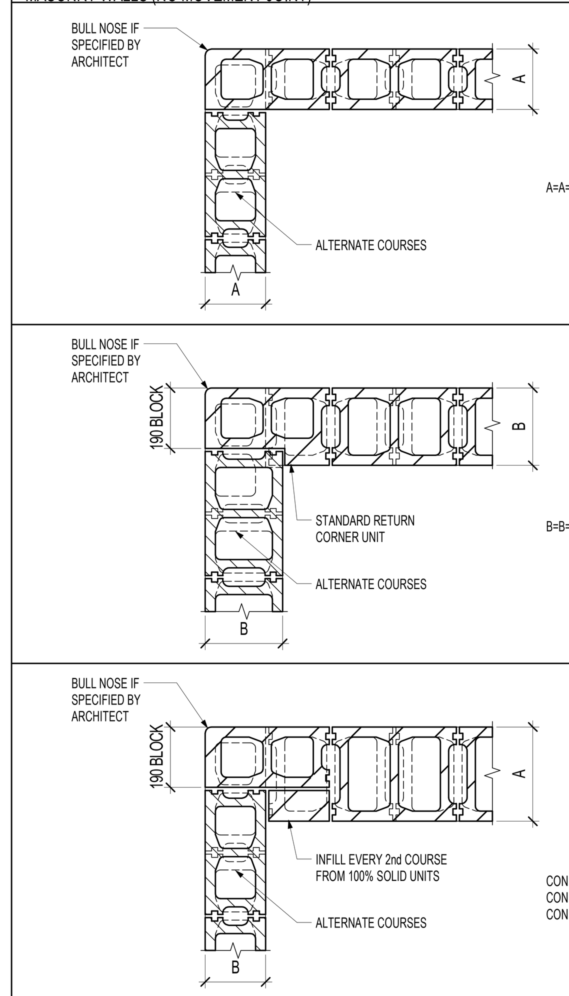
HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

TYPICAL DETAILS

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

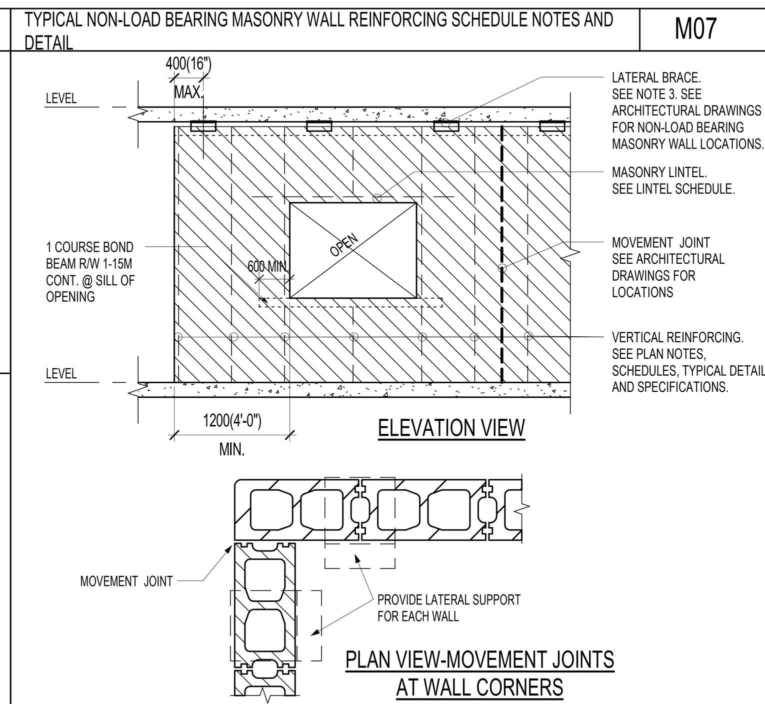
SCALE 1 : 1	PROJECT 2549-01310
DATE MAY 2026	
DRAWN AE	DRAWING S5-02
CHECKED CG / JG	
PRINT DATE 2026-04-28 8:48:13 AM	
REVIT FILE	

TYPICAL DETAIL OF CONSTRUCTED CORNERS IN SINGLE WYTHE MASONRY WALLS (NO MOVEMENT JOINT) — M06



NOTE:
1. PROVIDE PREFABRICATED CORNERS FOR HORIZONTAL JOINT REINFORCING (TYPICAL).
2. REFER TO TYPICAL LOAD BEARING MASONRY NOTES AND TO THE SPECIFICATION FOR MASONRY MATERIALS AND FOR HORIZONTAL JOINT REINFORCING

TYPICAL NON-LOAD BEARING MASONRY WALL REINFORCING SCHEDULE NOTES AND DETAIL — M07



NOTES:

1. ADD 390 DEEP HORIZONTAL BOND BEAM R/W 1-15 T&B AT THE TOP TWO COURSES OF EACH NON-LOAD BEARING WALL. PROVIDE CLASS 'B' LAP SPLICES AS REQUIRED. REFER TO M04 FOR REQUIRED LAP LENGTHS.
2. PROVIDE VERTICAL REINFORCEMENT AS NOTED ABOVE. VERTICAL REINFORCEMENT SHALL BE FULL HEIGHT OF WALL AND ALL CELLS WITH VERTICAL REINFORCEMENT TO BE FILLED SOLID WITH GROUT.
3. LATERAL SUPPORT CLIPS SHALL BE SPACED AT 10t U.N.O. CONNECTORS SHALL CONFORM TO CSA A370.
4. REFER TO M14 FOR TYPICAL LATERAL SUPPORT DETAIL AT NON-LOAD BEARING WALLS FOR STEEL STRUCTURES AND M07B FOR TYPICAL LATERAL SUPPORT DETAIL AT NON-LOAD BEARING WALLS FOR CONCRETE STRUCTURES.
5. REFER TO TYPICAL DETAIL M07B FOR CONNECTION OF MASONRY WALL ABUTTING CONCRETE OR MASONRY WALL FACING CONCRETE.
6. PROVIDE DOWELS. SIZE AND SPACING TO MATCH VERTICAL WALL REINFORCEMENT. REFER TO M04 FOR REQUIRED LAP LENGTHS.
7. COMPLETELY FILL REINFORCED CELLS WITH GROUT.

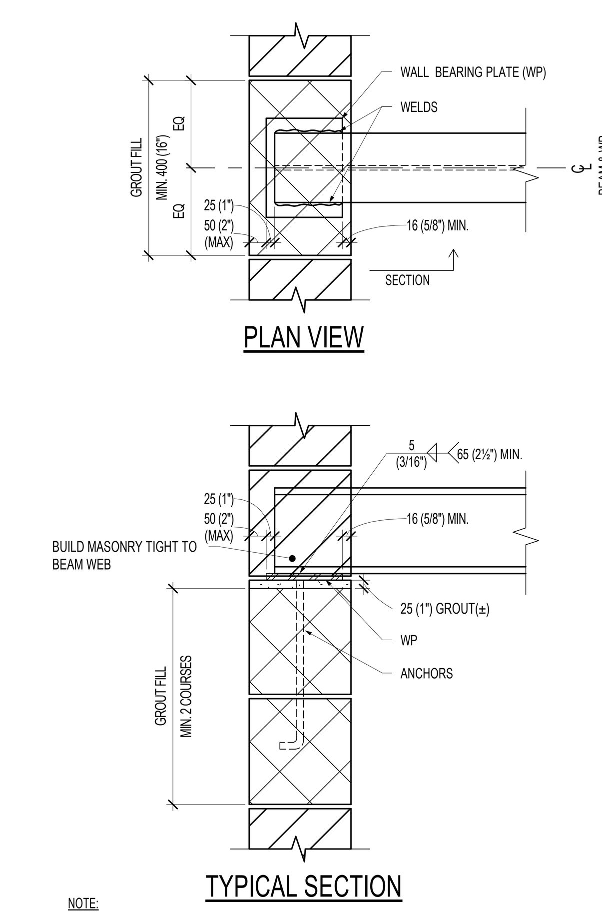
NON LOAD-BEARING MASONRY WALL REINFORCING SCHEDULE (FOR SC3 SEISMIC SITE DESIGNATION) — M07A.2

INTERIOR WALLS

BLOCK	HEIGHT	VERTICAL REINFORCING	HORIZONTAL REINFORCEMENT
140	4200 [13'-9"]	15 @ 800 [2'-8"] o/c	9 GA @ 400mm (1'-4") o/c MAX. "LADDER" TYPE
190	4800 [15'-9"]	15 @ 1000 [3'-3"] o/c	
240	5400 [17'-8"]	20 @ 1000 [3'-3"] o/c	

NOTES:
- ALLOWABLE NON LOAD-BEARING HEIGHTS ARE BASED ON 15MPa NORMAL DENSITY BLOCK w/ TYPE 'S' MORTAR.
- MINIMUM 600MM WIDE PIER BETWEEN ADJACENT OPENINGS, PIER MUST BE CONTINUOUS FROM BASE TO LATERAL SUPPORT POINT AT TOP.
- MAXIMUM AVERAGE OPENING SIZE ON EITHER SIDE OF PIER LIMITED TO 1400mm.
- REINFORCING SCHEDULE APPLIES FOR PARTITIONS WALLS UP TO 100m ABOVE GRADE
- NON LOAD-BEARING WALL REINFORCING DOES NOT APPLY FOR SHAFTS WHERE PRESSURES EXCEED NOTED DIFFERENTIAL PRESSURES NOTED ABOVE.
- IF ANY OF THESE CONDITIONS ARE NOT MET, CONTRACTOR TO PROVIDE ENGINEER STAMPED SHOP DRAWINGS OF REINFORCING FOR CONSULTANT REVIEW
- REFER TO TD M07B FOR LATERAL SUPPORT DETAILS FOR CONCRETE CONSTRUCTION, M14 FOR STEEL CONSTRUCTION. LATERAL SUPPORTS TO BE SPACED AT 10t UNLESS NOTED OTHERWISE

TYPICAL STEEL BEAM BEARING ON MASONRY WALL (PERPENDICULAR) — M08

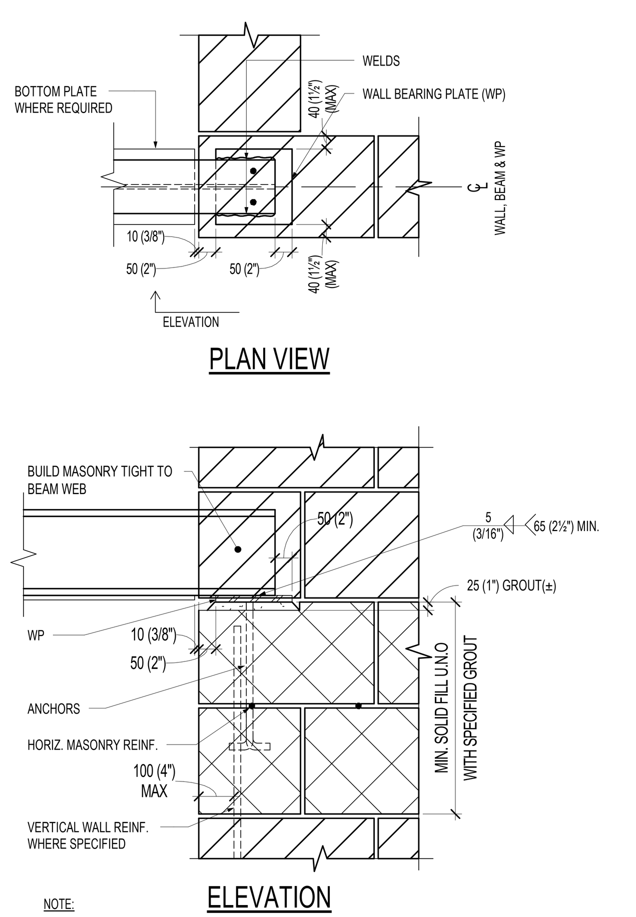


NOTE:

REFER TO TYPICAL DETAILS, TYPICAL NOTES, SPECIFICATION PLANS AND SCHEDULES FOR:

- WP SIZE AND SIZE/NUMBER OF ANCHORS
- VERTICAL WALL REINFORCING
- GROUT MIX AND EXTENT OF GROUT

TYPICAL STEEL BEAM BEARING ON END OR CORNER OF MASONRY WALL (MINIMUM REQUIREMENTS) — M09

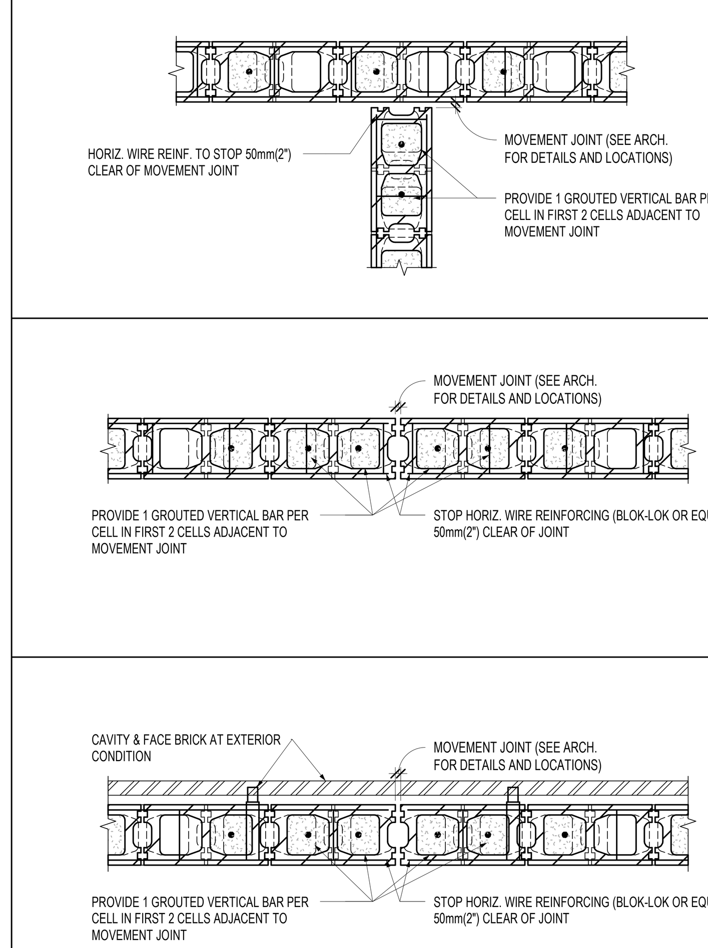


NOTE:

REFER TO TYPICAL DETAILS, TYPICAL NOTES, SPECIFICATION PLANS AND SCHEDULES FOR:

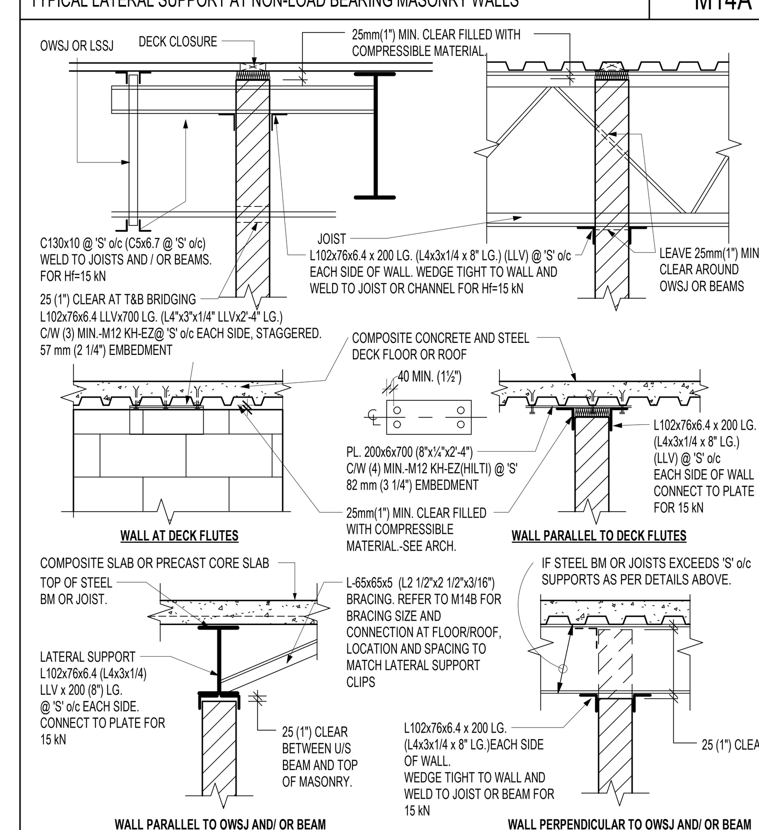
- WP SIZE AND SIZE/NUMBER OF ANCHORS
- VERTICAL WALL REINFORCING
- GROUT MIX AND EXTENT OF GROUT

TYPICAL DETAIL AT MOVEMENT JOINT IN REINFORCED MASONRY WALL — M10



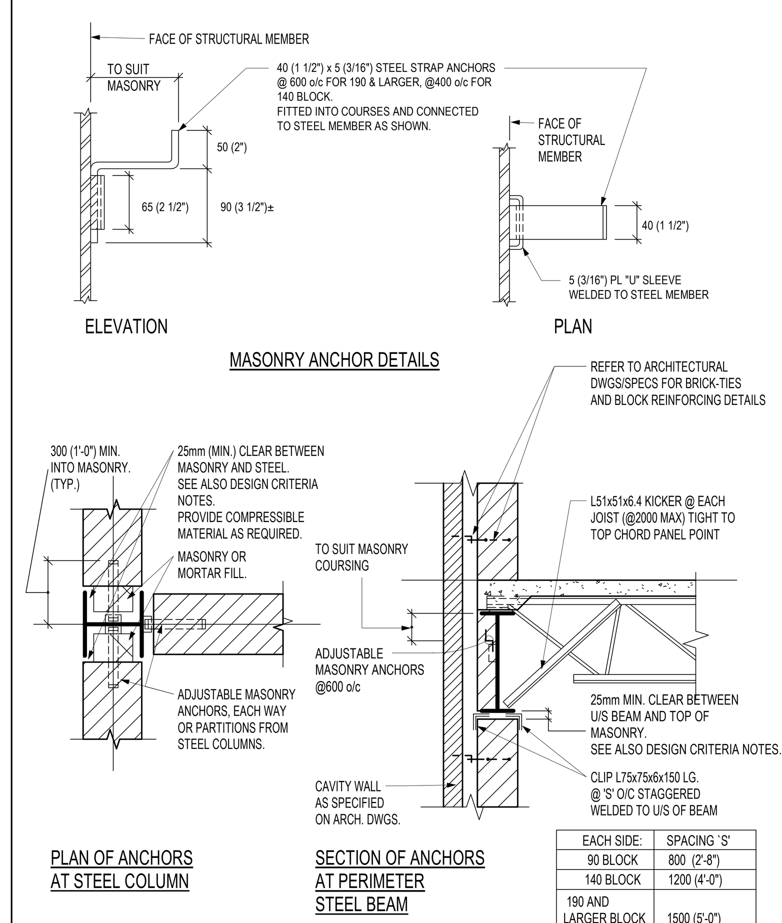
NOTE:
1. AT MASONRY LINTEL BOND BEAM STOP HORIZ. BARS 50mm (2") CLEAR OF MOVEMENT JOINT. UNLESS OTHERWISE NOTED.
2. SEE PLANS AND TYPICAL NOTES FOR VERTICAL REINFORCING AND GROUT

TYPICAL LATERAL SUPPORT AT NON-LOAD BEARING MASONRY WALLS — M14A



NOTES:
1. PROVIDE 25mm MIN COMPRESSIBLE MATERIAL BETWEEN TOP OF NON-LOAD BEARING WALL AND UNDERSIDE OF STRUCTURE. TYPICAL UNLESS NOTED OTHERWISE
2. REINFORCED NON-LOAD BEARING MASONRY WALL
   - 3.1 PROVIDE LATERAL SUPPORT FOR ALL MASONRY WALLS.
   - 3.2 SPACING OF LATERAL SUPPORTS AS NOTED ON DETAIL M07

ADJUSTABLE MASONRY ANCHORS TO STRUCTURAL STEEL — M15

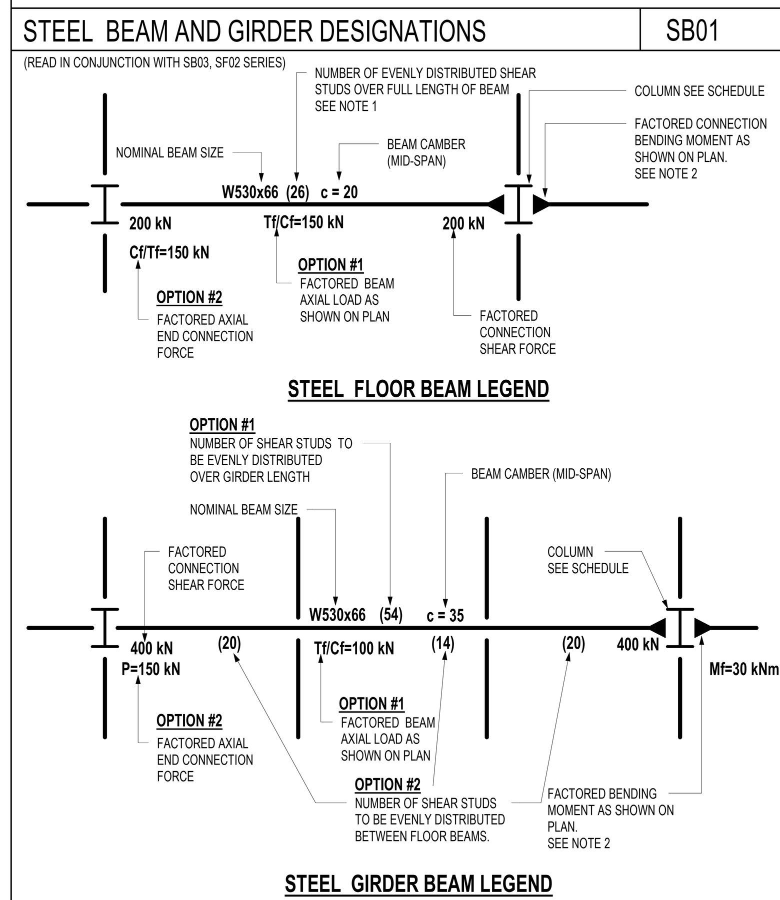


EACH SIDE:	SPACING `S'
90 BLOCK	800 (2'-8")
140 BLOCK	1200 (4'-0")
190 AND LARGER BLOCK	1500 (5'-0")

NOTE:
ALTERNATIVE SUITABLE PROPRIETARY BRANDS OF ADJUSTABLE MASONRY ANCHORAGE MECHANISMS MAY BE APPROVED FOR USE, SUCH AS: BLOCK-LOK COLUMN-LOK, BLOCK-LOK TYPE C WITH BL304 TIES, OR BLOCK-LOK TYPE 'B' ANCHORS WITH BLT1 TIES. SUBMIT DETAILS FOR APPROVAL BEFORE PROCEEDING.

STEEL BEAM AND GIRDER DESIGNATIONS — SB01

(READ IN CONJUNCTION WITH SB03, SF02 SERIES)



NOTE:
1. REFER TO DETAIL SF02 FOR PLACEMENT OF STUD SHEAR CONNECTORS ON BEAM/GIRDER TOP FLANGES.
2. REFER TO DETAIL SB01 FOR MOMENT CONNECTION REQUIREMENTS.
3. OPTION #2 FOR AXIAL LOAD USED WHERE REACTIONS AT EACH END OF BEAM ARE NOT EQUAL, OPTION #1 USED WHERE AXIAL LOADS ARE EQUAL AT EACH END.

ERECTION TOLERANCES FOR STEEL BEAMS — SB02A

(READ IN CONJUNCTION WITH SB02B)

1. VERTICAL DEVIATION FROM SPECIFIED ELEVATION/SLOPE.

FLOOR BEAMS:	Δv = ± 10mm (3/8") OR = L/500
MEMBERS WITH ADJUSTABLE CONNECTIONS:	Δv =± 6mm (1/4") OR = L/1000

2. VERTICAL DEVIATION FROM SPECIFIED ELEVATION - ADJOINING MEMBERS

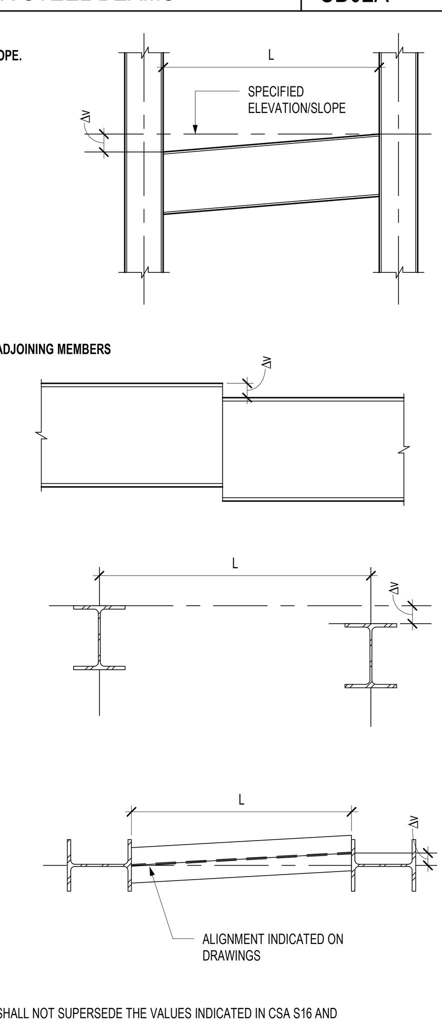
FLOOR BEAMS:	Δv = ±6mm (1/4")
MEMBERS WITH ADJUSTABLE CONNECTIONS:	Δv = ±2mm (3/32")

3. VERTICAL DEVIATION FROM ADJACENT BEAMS

FLOOR BEAMS:	Δv = L/1000

4. HORIZONTAL DEVIATION FROM INDICATED POSITION

FLOOR BEAMS:	ΔH = ±12mm (1/2") OR L/500
SPANDREL BEAMS:	ΔH = ±6mm (1/4") OR L/1000



NOTES
1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.

ERECTION TOLERANCES FOR STEEL BEAMS — SB02B

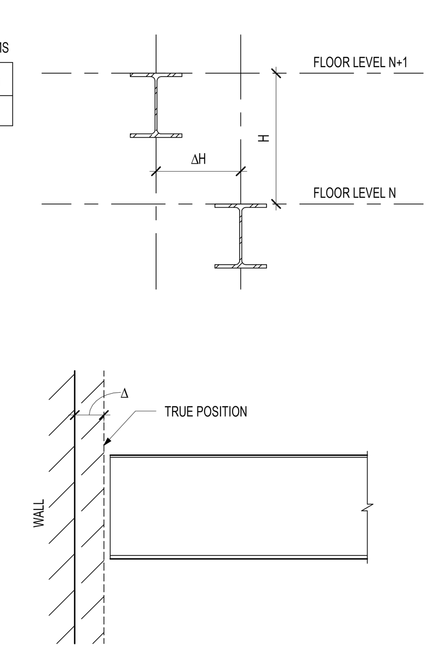
(READ IN CONJUNCTION WITH SBB02A)

5. HORIZONTAL DEVIATION FROM ADJACENT BEAMS

FOR H < 3000mm (10'-0"):	ΔH = ±5mm (3/16")
FOR H > 3000mm (10'-0"):	ΔH = H/600

6. HORIZONTAL DEVIATION FROM SUPPORT POINT AT VERTICAL WALL

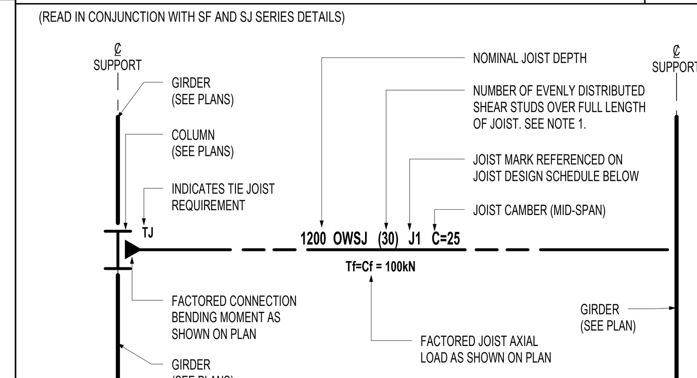
Δ = ±25mm (1")



NOTES
1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.
2. FOR ERECTION TOLERANCES OF SPECIAL MEMBERS SUCH AS CRANE GIRDERS, CRANE RAILS AND MONORAIL BEAMS, SEE THE APPROPRIATE CODE RECOMMENDATIONS.
3. DEVIATIONS SHOWN FOR W-SHAPES ALSO APPLY TO BUILT-UP SECTIONS, HOLLOW STRUCTURAL SECTIONS, CHANNEL AND ANGLE SHAPES.
4. ERECTION TOLERANCES ARE TO BE MEASURED IN CALM WEATHER. RECORD AMBIENT TEMPERATURE AT TIME TOLERANCES ARE VERIFIED.

OWSJ DESIGNATIONS AND DESIGN INFORMATION — SJ01A

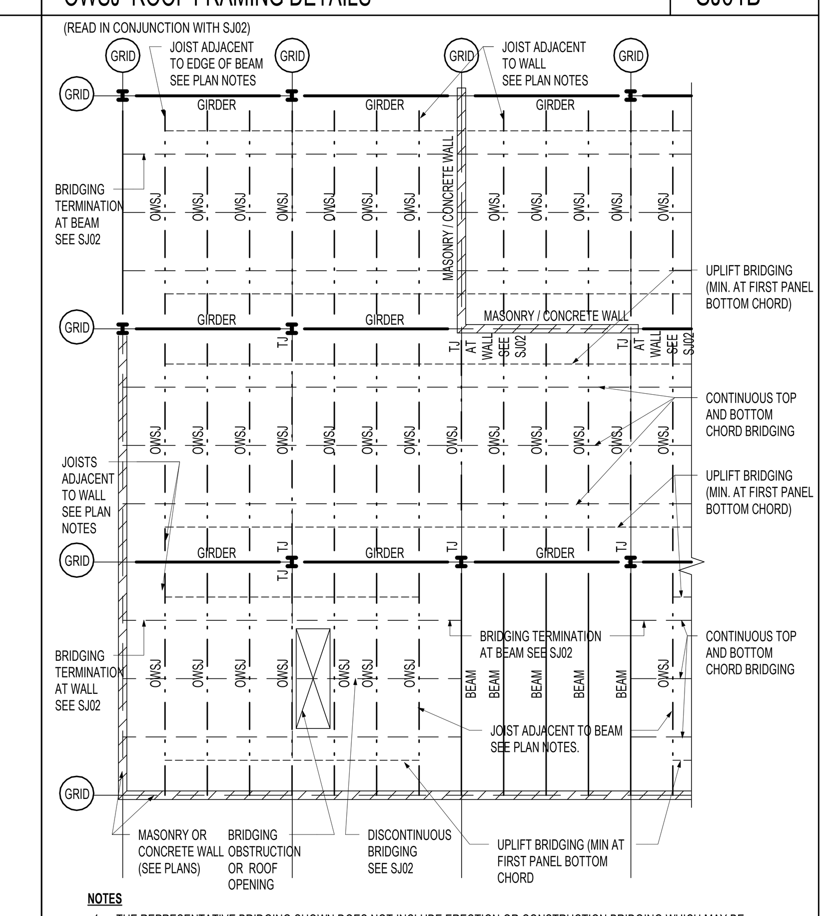
(READ IN CONJUNCTION WITH SF AND SJ SERIES DETAILS)



NOTES:
1. REFER TO SF SERIES DETAILS FOR PLACEMENT OF STUD SHEAR COLLECTORS ON JOIST TOP CHORDS.

OWSJ ROOF FRAMING DETAILS — SJ01B

(READ IN CONJUNCTION WITH SJ02)



NOTES
1. THE REPRESENTATIVE BRIDGING SHOWN DOES NOT INCLUDE ERECTION OR CONSTRUCTION BRIDGING WHICH MAY BE REQUIRED BASED ON PROJECT SPECIFIC CONDITIONS.
2. EACH LINE OF BRIDGING SHALL BE ADEQUATELY ANCHORED AT EACH END TO BRACED WALLS OR TO MAIN COMPONENTS OF THE STRUCTURAL FRAME, IF PRACTICABLE. IF NOT PRACTICABLE, DIAGONAL AND HORIZONTAL BRIDGING SHALL BE PROVIDED IN COMBINATION BETWEEN ADJACENT JOISTS NEAR THE ENDS OF BRIDGING LINES.
3. SIZE AND SPACING OF BRIDGING SHALL BE AS REQUIRED BY THE ONTARIO BUILDING CODE (LATEST EDITION), BRIDGING INDICATED ON THE STRUCTURAL DRAWINGS TO BE CONSIDERED AS A REPRESENTATIVE MINIMUM ONLY.
4. BRIDGING SHALL BE COMPLETELY INSTALLED BEFORE ANY CONSTRUCTION LOADS ARE PLACED ON THE JOINTS.
5. ALL BRIDGING SHALL BE ADEQUATELY CONNECTED TO THE JOIST CHORDS BY WELD OR BY APPROVED MECHANICAL MEANS, CAPABLE OF RESISTING AN AXIAL FORCE OF AT LEAST 500 lbs. (2.22 kN), OR AS NOTED IN SECTIONS OR TYPICAL DETAILS.

KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR. 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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LICENSED PROFESSIONAL ENGINEER 26-05-01 J. C. GASDIA 100169574 PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

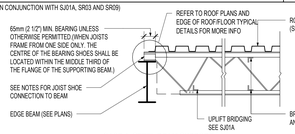
TYPICAL DETAILS

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

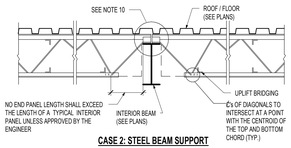
SCALE 1 : 1	PROJECT 2549-01310
DATE MAY 2026	
DRAWN AE	DRAWING S5-03
CHECKED CG / JG	
PRINT DATE	2026-04-28 8:48:14 AM
REVIT FILE	

OWSJ SUPPORTING DECKING — SJ01C

(READ IN CONJUNCTION WITH SJ01A, SR03 AND SR09)



CASE 1: STEEL BEAM SUPPORT

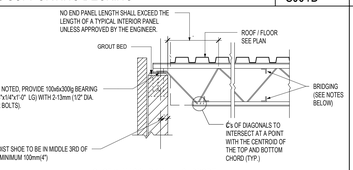


CASE 2: STEEL BEAM SUPPORT

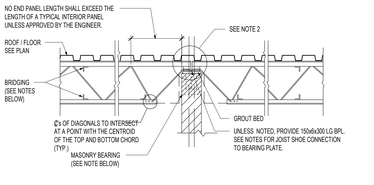
NOTES:
1. FABRICATION AND ERECTION OF O.W.S.J. SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE (LATEST EDITION)
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PLACING DECKING OVER O.W.S.J. TO AVOID LATERAL DEFLECTION AND TWISTING OF JOISTS. THIS APPLIES PARTICULARLY TO FREE ENDS OF JOINT RUNS.
3. METAL DECK SHALL BE INSTALLED DIRECTLY ON TOP OF JOISTS WITH FLAT TOP CHORDS ONLY.
4. EACH LINE OF BRIDGING SHALL BE ADEQUATELY ANCHORED AT EACH END TO STURDY WALLS OR TO MAIN COMPONENTS OF THE STRUCTURAL FRAME. IF PRACTICABLE, IF NOT PRACTICABLE, DIAGONAL AND HORIZONTAL BRIDGING SHALL BE PROVIDED IN COMBINATION BETWEEN ADJACENT JOISTS NEAR THE ENDS OF BRIDGING LINES.
5. SIZE AND SPACING OF BRIDGING SHALL BE AS REQUIRED BY THE ONTARIO BUILDING CODE (LATEST EDITION), BRIDGING INDICATED ON THE STRUCTURAL DRAWINGS TO BE CONSIDERED AS A REPRESENTATIVE MINIMUM ONLY.
6. BRIDGING SHALL BE COMPLETELY INSTALLED BEFORE ANY CONSTRUCTION LOADS ARE PLACED ON THE JOINTS.
7. ALL BRIDGING SHALL BE ADEQUATELY CONNECTED TO THE JOIST CHORDS BY WELD OR BY APPROVED MECHANICAL MEANS, CAPABLE OF RESISTING AN AXIAL FORCE OF AT LEAST 500 lbs. (2.22 kN). OR AS NOTED IN SECTIONS OR TYPICAL DETAILS.
8. WHEN BRIDGING IS INTERRUPTED BY OPENINGS THROUGH DECKING OR BY DUCTWORK, PROVIDE A COMBINATION OF HORIZONTAL AND DIAGONAL BRIDGING (AS NOTE No.5) IN FIRST BAYS BETWEEN JOINTS EACH SIDE OF INTERRUPTION.
9. ALTERNATIVE DETAILS ARE TO BE SUBMITTED FOR COMMENT BEFORE PROCEEDING.
10. IN CASE OF UNBALANCED JOIST REACTIONS ON SUPPORTING STRUCTURE (BEAMS, TRUSSES, WALLS) THE JOISTS ARE TO BE DESIGNED AND/OR STAGGERED SO THAT THEIR RESULTANT REACTIONS ARE LOCATED AT THE CENTRELINE OF SUPPORTING STRUCTURE.
11. REFER TO PLANS AND SR09 FOR SHEAR CONNECTION DETAILS WHERE APPLICABLE. ALSO SEE PLANS AND SR03 FOR CHANGE OF DECK DIRECTIONS DETAILS.
12. JOIST SHOES TO BE CONNECTED TO SUPPORTING BEAMS WITH THE FOLLOWING FILLET WELDS:

SUPPORTED AREA	FILLET WELDS
A < 10m² (100ft²)	2-3mm x 25
A > 10m² (100ft²)	2-5mm x 40

OWSJ SUPPORTING DECKING — SJ01D



CASE 3: MASONRY WALL SUPPORT

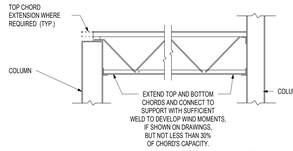


CASE 4: MASONRY WALL SUPPORT

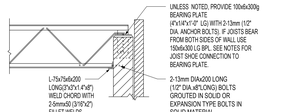
NOTES:
1. AS A MINIMUM AND UNLESS OTHERWISE NOTED, CENTERED UNDER EACH OWSJ BEARING PROVIDE ONE OF:-
   i) 3 COURSES OF BRICKS x 400mm (16") LONG MIN.
   ii) 1 COURSE OF SOLID BLOCK x 400mm (16") LONG MIN.
   iii) 1 COURSE OF GROUT FILLED BLOCK x 400mm (16") LONG MIN.
   iv) 1 COURSE OF GROUT FILLED MASONRY LINTEL BLOCK x 400mm (16") LONG MIN.
   GROUT TO HAVE MIN. 28 DAY COMPRESSIVE STRENGTH OF 20MPa
2. IN CASE OF UNBALANCED JOIST REACTIONS ON SUPPORTING STRUCTURE (BEAMS, TRUSSES, WALLS) THE JOISTS ARE TO BE DESIGNED AND/OR STAGGERED SO THAT THEIR RESULTANT REACTIONS ARE LOCATED AT THE CENTRELINE OF SUPPORTING STRUCTURE.
3. JOIST SHOES TO BE CONNECTED TO SUPPORTING BEAMS WITH THE FOLLOWING FILLET WELDS:

SUPPORTED AREA	FILLET WELDS
A < 10m² (100ft²)	2-3mm x 25
A > 10m² (100ft²)	2-5mm x 40

TIE JOISTS — SJ01E

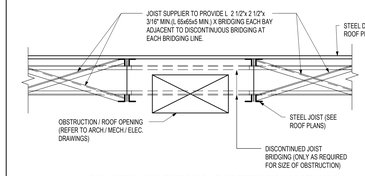


TIE JOISTS FOR STEEL STRUCTURES

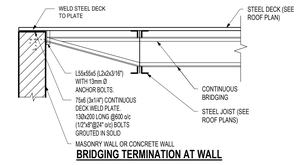


TIE JOISTS FOR MASONRY STRUCTURES

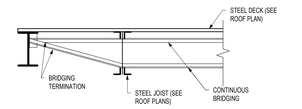
OWSJ BRIDGING DETAILS — SJ02



DISCONTINUOUS BRIDGING AT OBSTRUCTION / OPENINGS



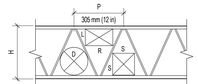
BRIDGING TERMINATION AT WALL



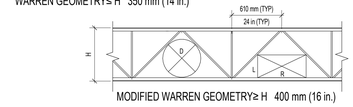
BRIDGING TERMINATION AT BEAM (NOT SUBJECT TO TORSION)

FREE OPENINGS IN STEEL JOISTS (SEE NOTE 1) — SJ03

CONFIGURATION (mm)		OPENING (mm)			
H	P	D	S	L	R
JOIST					
WARREN GEOMETRY					
200	250	110	95	70	150
250	250	150	120	90	182
300	305	190	150	110	232
350	305	220	175	120	258
MODIFIED WARREN GEOMETRY					
400	610	240	220	140	410
450	610	320	265	200	420
500	610	360	290	220	454
550	610	390	315	240	484
600	610	420	340	250	512
650	610	440	350	260	526
700	610	460	375	270	550
750	610	490	395	280	572
800	610	510	410	290	592
900	610	550	440	310	622
1,000	610	580	465	320	646
1,100	650	630	505	340	694
1,200	700	690	555	380	762
1,300	800	750	605	410	838
1,500	900	880	705	480	972
JOIST GIRDER					
750	600	430	345	240	500
900	600	500	400	280	564
1,050	600	560	450	300	616
1,200	600	610	490	330	658
1,350	600	650	530	340	694
1,500	600	680	560	360	726



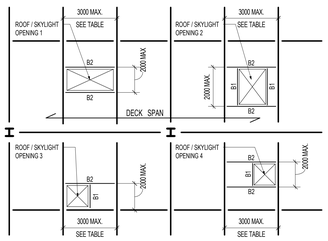
WARREN GEOMETRY≤ H 350 mm (14 in.)



MODIFIED WARREN GEOMETRY≥ H 400 mm (16 in.)

NOTES:
1. THE TABLES ABOVE IS PROVIDED AS **PRELIMINARY** GUIDANCE FOR CONSULTANTS RUNNING SERVICES THROUGH TRUSSES. IF SERVICES ARE TO BE LOCATED WITHIN THE DEPTH OF THE JOISTS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEERING DURING THE DESIGN PHASE AND THE JOIST SUPPLIER DURING SHOP DRAWING REVIEW.

ROOF FRAMING AT OPENINGS IN ROOF DECK — SR01



TYPICAL ROOF OPENINGS IN DECK

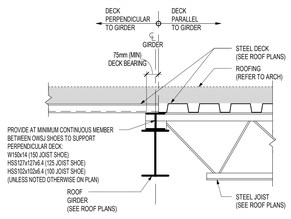
ROOF OPENING				
SPAN (mm)	BEAM 1 (B1)		BEAM 2 (B2)	
	SIZE	SHEAR CONNECTION	SIZE	SHEAR CONNECTION
0-3000	C150x12	10 kN	C150x12	20 kN

TYPICAL SKYLIGHT OPENINGS IN DECK

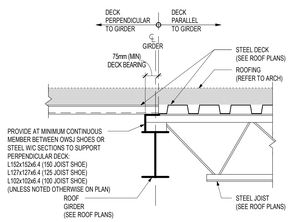
SKYLIGHT OPENING 2				
SPAN (mm)	BEAM 1 (B1)		BEAM 2 (B2)	
	SIZE	SHEAR CONNECTION	SIZE	SHEAR CONNECTION
0-1500	C150x12	10 kN	C150x12	15 kN
1500-3000	C150x12	10 kN	C200x17	20 kN

NOTES:
1. TOP OF ALL TRIMMING STEEL AT UNDERSIDE OF STEEL DECK UNLESS OTHERWISE NOTED.
2. OPENINGS FRAMES ARE DESIGNED FOR THE FOLLOWING LOADS (MAX.)
   DL=0.50kPa
   SDL=0.50kPa
   SNOW=1.75kPa
3. LOCATION OF ALL MECHANICAL UNITS AND OPENINGS THROUGH ROOF IS BASED ON INFORMATION SHOWN ON MECHANICAL DRAWINGS. THE STRUCTURAL STEEL SUB-CONTRACTOR MUST CONFIRM ALL THESE DIMENSIONS AND SIZES WITH THE MECHANICAL CONTRACTOR.
4. O.W.S.J MUST BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS.
5. IF ACTUAL LOCATIONS OR DETAILS VARY FROM THOSE SHOWN, THE STRUCTURAL CONSULTANT MUST BE INFORMED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING WITH THE WORK.
6. THE STRUCTURAL STEEL SUB-CONTRACTOR IS TO SUBMIT ERECTION DRAWINGS TO THE MECHANICAL ENGINEER AND OR CONTRACTOR FOR APPROVAL OF SIZE AND LOCATION OF OPENINGS FOR MECHANICAL UNITS.

CHANGE OF DECK DIRECTION DETAILS — SR03



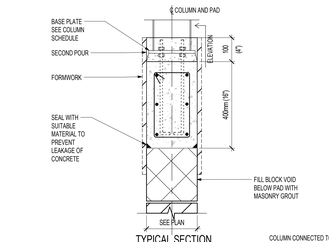
OPTION 1



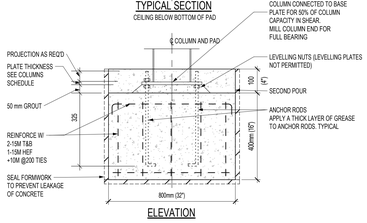
OPTION 2

(NOT TO BE USED WHERE DETAIL SR09 APPLIES OR WHERE SHEAR COLLECTORS ARE SHOWN ON PLAN)

TYPICAL CONCRETE PAD UNDER STEEL COLUMN BEARING ON MASONRY WALL — M11



TYPICAL SECTION
CEILING BELOW BOTTOM OF PAD

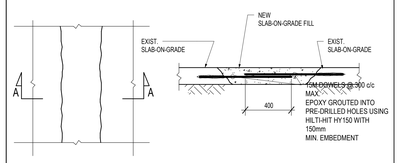


ELEVATION

TYPICAL CONCRETE PAD AT COLUMN BEARING ON MASONRY WALL

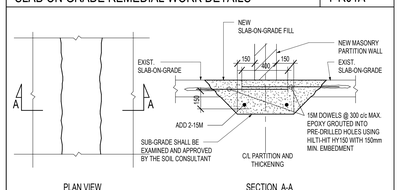
NOTE:
1. REFER TO PLANS FOR LOCATION OF PADS.
2. CONCRETE STRENGTH 25 MPa (CLASS N) UNLESS NOTED.

SLAB ON GRADE REMEDIAL WORK DETAILS — T-R01



PLAN VIEW — SECTION A-A

SLAB ON GRADE REMEDIAL WORK DETAILS — T-R01A



PLAN VIEW — SECTION A-A

KEY PLAN

NO	ISSUED / REVISION	DATE
6	ISSUED FOR TENDER	MAY 01, 2026
5	ISSUED FOR PERMIT	MAR. 27, 2026
4	ISSUED FOR TENDER REVIEW	MAR. 20, 2026
3	ISSUED FOR CLASS A COSTING	MAR. 04, 2026
2	ISSUED FOR 80% CD	FEB. 12, 2026
1	ISSUED FOR 50% CD	JAN. 21, 2026

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.

LICENSED PROFESSIONAL ENGINEER
25-05-01
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

390 GORDON KRANTZ AVE
MILTON, ON

LEGAL DESCRIPTION:

HALTON CATHOLIC DISTRICT SCHOOL BOARD

TYPICAL DETAILS

Salas O'Brien
2235 Sheppard Ave. E.
Suite No. 1100
Toronto, ON M2J 5B5

SCALE 1 : 1	PROJECT 2549-01310
DATE MAY 2026	
DRAWN AE	DRAWING S5-04
CHECKED CG / JG	
PRINT DATE	2026-04-28 8:48:15 AM
REVIT FILE	

SEMI CUSTOM AIR HANDLER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Supply Air Data			% OA	Return Air Data			Cooling Coil Data									Heating Coil Data			ENERGY RECOVERY																	Electrical Data			Acceptable Manufacturer & Model	Weight (lbs)	Remarks
		Capacity (cfm)	ESP (in wc)	Size (hp)		Capacity (cfm)	ESP (in wc)	Size (bhp)	Medium	Coil Type	Sensible Capacity (MBH)	Total Cap. (MBH)	Rows (fins/in.)	EAT db/wb (°F)	LAT db/wb (°F)	Face Velocity (fpm)	Pressure Drop (in.)	Medium	Input (MBH)	Temp. Rise (°F)	Air P.D. (in)	Summer Recovered MBH	Summer Effectiveness (Total)	Winter Recovered MBH	Winter Effectiveness (Total)	Return Air Data Summer DB	Return Air Data Summer WB	Return Air Data Winter DB	Return Air Data Winter WD	Outside Air Data Summer DB	Outside Air Data Summer WB	Outside Air Data Winter DB	Outside Air Data Winter WD	Off Wheel Data Summer DB	Off Wheel Data Summer WB	Off Wheel Data Winter DB	Off Wheel Data Winter WD	Voltage	MCA	MOCP			
RTU-1	OUTDOOR AIR HANDLING UNIT	15,000	2.0	4x 7.6	40%	15,000	1.0	2x 5.7	R32	DX	394.7	554.7	6 14	79.4 / 67.2	55.3 / 55.3	566	1.35	GAS	1125	57	0.32	145	63.4%	436	70.3%	75	62.5	72	51	86	73.5	-10	-11	78.4	67.1	48	37.3	575 / 3 / 60	111	125	DAIKIN DPSA050	11,614	C/W MOTORS RATED FOR VFD, MERV 13 FILTERS, 24" CURB. MIN 10 kAIC RATING. REFER TO DRAWING M902 FOR SECTIONS.
RTU-2	OUTDOOR AIR HANDLING UNIT	8,250	1.5	7.5	40%	8,250	0.5	4.6	R32	DX	208.1	293.6	4 15	79.4 / 67.2	55.3 / 55.3	388	0.31	GAS	600	60	THROUGH ERV-1																	575 / 3 / 60	54	70	DAIKIN DPSC25B	4,250	C/W MOTORS RATED FOR VFD, MERV 13 FILTERS, 24" CURB. MIN 10 kAIC RATING. REFER TO DRAWING M902 FOR SECTIONS.

PACKAGED HVAC UNIT SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Nominal Capacity				ESP (in wc)	Motor (hp)	Electrical Data			Acceptable Manufacturer & Model	Remarks
		tons	cfm	Heat (MBH)	Cool (MBH)			Voltage	MCA	MOCP		
HVAC-101-EX	EXISTING HVAC UNIT	10.0	4000	250	120			208/3/60	49.0	60	CARRIER 48 HCTD11	EXISTING HVAC UNIT TO BE RE-INSTALLED ON NEW ROOF C/W NEW 24" ROOF CURB & NEW VIBRATION ISOLATION RAIL. REFURBISH UNIT AS SPECIFIED.
HVAC-102	PACKAGED ROOFTOP HVAC UNIT	4.0	1600	110	52	1.2	1.2	575/3/60	12.0	15	CARRIER 48GERM05 LENNOX KGB048 TRANE YHC048	MED HEAT, DOWN DISCHARGE & RETURN. PROVIDE W/ REFRIGERANT LEAK DETECTION SYSTEM. 24" HIGH ROOF CURB & VIBRATION ISOLATION RAIL.

GENERAL PACKAGED HVAC UNIT SCHEDULE NOTES:

1. ACCEPTABLE MANUFACTURERS: CARRIER, LENNOX, TRANE.
2. UNITS HAVE 2 STAGE NATURAL GAS HEAT, 2 STAGE DX COOLING PLUS ECONOMIZER (1 STAGE ON SMALLER UNITS), BELT DRIVE FANS, VFD FAN MOTOR CONTROL.
3. PROVIDE STANDARD INSULATED 24" HIGH ROOF CURB, ADDITIONAL ISOLATION/VIBRATION RAIL/CURB, STAINLESS STEEL GAS HEAT EXCHANGER, CONDENSER COIL GUARD, STAINLESS STEEL FLUE GAS EXTENSION, POWER EXHAUST, ECONOMIZER, AND ALL HOODS & INLET SCREENS, DEHUMIDIFICATION PACKAGE WHERE INDICATED, AND 2 SETS MERV 13 DISPOSABLE FILTERS AND REFRIGERATION LEAK DETECTION SYSTEM.
4. CONTROLS: SYSTEM CONTROLS BY BAS CONTRACTOR, PROVIDE INTEGRAL CONTROLLER MATCHED TO BAS MANUFACTURER.

SPLIT AIR CONDITIONING UNIT SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES ANDADDITIONAL INFORMATION.

Item	Type	Capacity		Cooling Capacity (MBH)	REFRIGERANT	ELECTRICAL			Acceptable Manufacturer & Model	Remarks
		tons	cfm			Voltage	MCA	MOCP		
AC-1	INDOOR WALL MTD AC UNIT (ELECTRICAL ROOM)	2.0	500	22	R32	208/1/60	1	15	LG KNSAP241A	CONNECT TO CU-1. SUITABLE FOR PROVIDING COOLING IN LOW AMBIENT CONDITIONS. MAXIMUM SYSTEM CHARGE OF 5lbs.
CU-1	CONDENSING UNIT	2.0	-	22	R32	208/1/60	19	30	LG KUSAP241A	PROVIDE POWER FOR AC UNIT THROUGH CU. PROVIDE BAS CONTROL MODULE, FACTORY INSTALLED LOW AMBIENT OPTION AND THERMOSTAT.

FAN POWERED MIXING BOX SCHEDULE

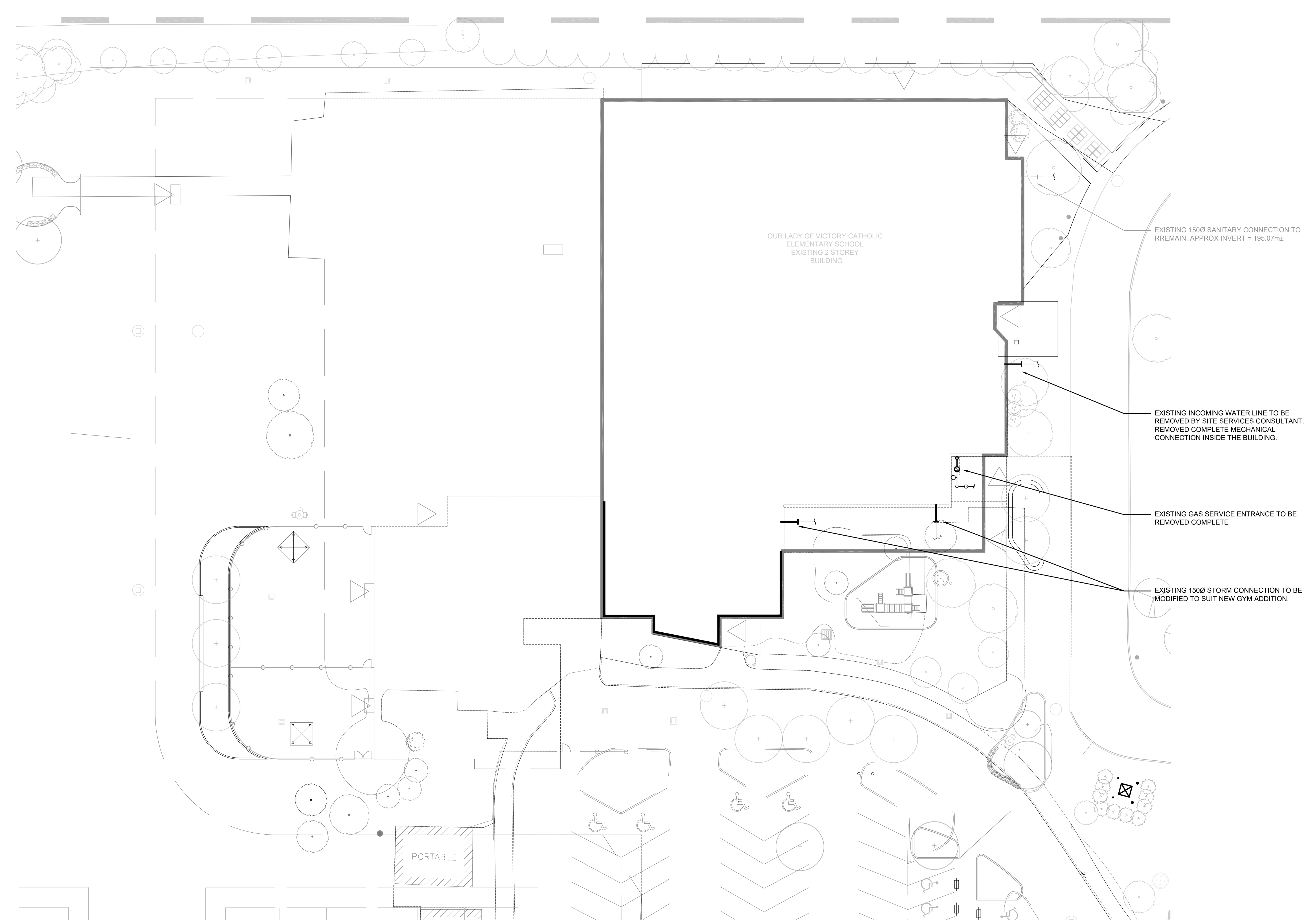
CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Design (cfm)	Electrical			Size		Heating Data						Acceptable Manufacturer & Model	Remarks
			Voltage	MCA	MOCP	Neck (in)	Unit Size	Water Temp. T in (°F)	Water Temp. T out (°F)	Air Temp. T in (°F)	Air Temp. T out (°F)	Capacity (MBH)	Flow (Usgpm)		
FPMB-1.1	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.2	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.3	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.4	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.5	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.6	SINGLE TERMINAL CONTROL BOX	1500	120/1/60	16.4	25	12	6	150	130	75	95	32.4	3.24	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.7	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.8	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.9	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.10	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.
FPMB-1.11	SINGLE TERMINAL CONTROL BOX	1200	120/1/60	16.4	25	12	6	150	130	75	95	25.9	2.59	KRUGER: KQFP EH PRICE: FDC	C/W 60" ATTENUATOR, 2 ROW COIL, MERV 8 FILTER, & 2 ACCESS DOORS C/W CAM LATCHES.

VAV CONTROL DAMPER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Airflow Capacity						Size		Heating Data				Acceptable Manufacturer & Model	Remarks
		Design (cfm)	Min. Vent (cfm)	Heating Min. (cfm)	Heating Max. (cfm)	Cooling Min. (cfm)	Cooling Max. (cfm)	Neck (in)	Box (in)	Water Temp. T in (°F)	Water Temp. T out (°F)	Capacity (MBH)	Flow (Usgpm)		
VAV-1.1	SINGLE TERMINAL CONTROL BOX	150	60	90	120	45	195	6	6	150	130	4.9	0.49	KRUGER: LMHS-LC EH PRICE: SDV	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.2	SINGLE TERMINAL CONTROL BOX	100	40	60	80	30	130	6	6	150	130	3.2	0.32	KRUGER: LMHS-LC EH PRICE: SDV	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.3	SINGLE TERMINAL CONTROL BOX	500	200	300	400	150	650	8	8	150	130	16.2	1.62	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.1	SINGLE TERMINAL CONTROL BOX	1400	560	840	1120	420	1820	12	12	150	130	45.4	4.54	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.2	SINGLE TERMINAL CONTROL BOX	1400	560	840	1120	420	1820	12	12	150	130	45.4	4.54	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.3	SINGLE TERMINAL CONTROL BOX	1100	440	660	880	330	1430	12	12	150	130	35.6	3.56	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.4	SINGLE TERMINAL CONTROL BOX	1050	420	630	840	315	1365	12	12	150	130	34.0	3.40	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.5	SINGLE TERMINAL CONTROL BOX	200	80	120	160	60	260	6	6	150	130	6.5	0.65	KRUGER: LMHS-LC EH PRICE: SDV	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.6	SINGLE TERMINAL CONTROL BOX	250	100	150	200	75	325	6	6	150	130	8.1	0.81	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.7	SINGLE TERMINAL CONTROL BOX	900	360	540	720	270	1170	10	10	150	130	29.2	2.92	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.8	SINGLE TERMINAL CONTROL BOX	500	200	300	400	150	650	8	8	150	130	16.2	1.62	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.9	SINGLE TERMINAL CONTROL BOX	400	160	240	320	120	520	8	8	150	130	13.0	1.30	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.10	SINGLE TERMINAL CONTROL BOX	300	180	180	240	90	390	8	8	150	130	9.7	0.97	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.11	SINGLE TERMINAL CONTROL BOX	750	300	450	600	225	975	10	10	150	130	24.3	2.43	KRUGER: LMHS-LC EH PRICE: SDV-0S	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.



SITE PLAN – DEMOLITION
SCALE: 1:300

GENERAL NOTES

A. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.

B. THIS CONTRACTOR SHALL TRACK REVISIONS ON SITE AND SUBMIT AS-BUILTS TO CONSULTANT TO DIGITIZE. REFER TO SPECIFICATIONS 21 02 51, 22 02 51 & 23 02 51.

C. ALL PIPING, DUCTWORK, AND EQUIPMENT IS TO BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. SUPPLY AND INSTALL ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATION.

D. SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14'-0" FROM ANY AIR INLET (25'-0" FOR LONG TERM CARE/HOSPITALS). INSTALL VENT PIPING HIGH IN JOIST SPACE.

E. WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.

F. CO-ORDINATE WITH THE GENERAL CONTRACTOR ANY OWSJ BRIDGING/CROSS BRACING RELOCATION OR REMOVAL/REPLACEMENT REQUIRED FOR INSTALLATION OF DUCTWORK.

G. CONTRACTOR TO LOCATE ISOLATION VALVES / FREEZE PIPING / OR OTHERWISE DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED.

H. REFER TO SPECIFICATIONS FOR CONFORMANCE REQUIREMENTS.

MECHANICAL LEGEND

Item	Description	Item	Description
	ITEM TO BE REMOVED		BUTTERFLY VALVE
	CUT EXISTING & CONNECT NEW PIPING		MOTORIZED VALVE ACTUATOR
	FLOW DIRECTION		SOLENOID VALVE
	POTABLE COLD WATER		VALVE ON RISER
	POTABLE HOT WATER	BV	BALANCING VALVE
	POTABLE HOT WATER RECIRC.		INLINE PUMP
SAN-EX	EXISTING SAN ABOVE FLOOR	TCV	2-WAY TEMPERATURE CONTROL VALVE
SAN-EX	EXISTING SAN BELOW FLOOR	FEC	RECESSED CABINET MOUNTED FIRE EXTINGUISHER
SAN	SANITARY ABOVE FLOOR	FE	WALL MOUNTED FIRE EXTINGUISHER
SAN	SANITARY BELOW FLOOR	FB	FIRE BLANKET IN CABINET MOUNTED ON WALL
STM-EX	EXISTING STM ABOVE FLOOR		WATER METER
STM-EX	EXISTING STM BELOW FLOOR	CO	FLOOR CLEANOUT
STM	STORM ABOVE FLOOR	CO	LINE CLEANOUT
STM	STORM BELOW FLOOR	PRV	PRESSURE REDUCING VALVE
CD	CONDENSATE DRAIN	G	THERMOSTAT (WITH GUARD WHERE INDICATED)
V	VENT	RA	REVERSE ACTING THERMOSTAT
SP	SPRINKLER		TURNING VANES
HWS	HEATING WATER SUPPLY		SUPPLY AIR DUCT
HWR	HEATING WATER RETURN		RETURN/EXHAUST AIR DUCT
HPS	HEAT PUMP SUPPLY		ACOUSTIC DUCT LINING
HPR	HEAT PUMP RETURN		THERMAL INSULATION
G	NATURAL GAS		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
HPG	HIGH PRESSURE NATURAL GAS	BD	BALANCING DAMPER
RL	REFRIGERANT LIQUID	OBD	OPPOSED BLADE DAMPER
RS	REFRIGERANT SUCTION	M	MOTORIZED DAMPER
FD	FLOOR DRAIN	FD	FIRE DAMPER
P	TRAP PRIMER	FSD	FIRE/SMOKE DAMPER
	TEE CONNECTION	SD	SMOKE DAMPER
	PIPE DOWN		RECTANGULAR DUCTWORK
	PIPE UP		RIGID ROUND DUCT
	FLEXIBLE CONNECTION		FLEXIBLE ROUND DUCT
	REDUCER/INCREASER	Type Size Capacity	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
	CHECK VALVE	Type Size Size / cfm Capacity	HYDRONIC HEATING SIZE, TYPE & CAPACITY
	SPRING CHECK VALVE ON PIPE RISER	AD	ACCESS DOOR
	REDUCED PRESSURE BACKFLOW PREVENTOR	EXP	EXPANSION JOINT
	UNION	RIC	RETURN IN CABINET
	STRAINER	EX	EXISTING DUCT (SIZE AS INDICATED)
	SCREWED OR WELDED PIPE CAP		TRANSFER DUCT (SIZE AS INDICATED)
	PLUG VALVE	Tag Capacity	HEAT PUMP TAG
	BALL VALVE		

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.
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Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD
HCDSB

SITE PLAN DEMOLITION, LEGEND & SCHEDULES

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE As indicated	PROJECT 25106
DATE MAY 2026	
DRAWN DF	DRAWING M101
CHECKED MW	
PRINT DATE	5/5/2026 11:38 AM
REVIT FILE	

GRILLE SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	YES	NONE	EH PRICE SCDA	MULTICONE, FULLY ADJUSTABLE, 24x24, STEEL CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY-IN T-BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
D2	DIRECTIONAL CEILING DIFFUSER (3 WAY)	YES	NONE	EH PRICE SMDA	LOUVRED FACE, STEEL, FULLY ADJUSTABLE, CEILING DIFFUSER W/SQUARE NECK. SUITABLE FOR SURFACE MOUNTING. NECK SIZE AS INDICATED. 4-WAY CORE STYLE.
D3	ROUND DIFFUSER (EXPOSED)	YES	NONE	EH PRICE RCDA	MULTICONE, FULLY ADJUSTABLE, STEEL DIFFUSER W/ROUND NECK. SUITABLE FOR EXPOSED, HUNG INSTALLATION. PROVIDE CONCEALED SAFETY CHAIN FROM DIFFUSER UP INTO DUCTWORK.
D4	ROUND DIFFUSER (EXPOSED)	YES	NONE	EH PRICE RCDA	MULTICONE, FULLY ADJUSTABLE, STEEL DIFFUSER W/ROUND NECK. SUITABLE FOR EXPOSED, HUNG INSTALLATION.
R1	CEILING RETURN GRILLE (NON-DUCTED)	NO	NONE	EH PRICE 80-CH	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W CHANNEL BORDER FOR LAY-IN T-BAR CEILING.
R2	HEAVY DUTY SIDEWALL RETURN GRILLE	NO	NONE	EH PRICE 98-SA	HEAVY DUTY, FIXED STEEL BLADES AT 45°, 1/2" SPACING, PARALLEL TO SHORT DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
R3	SIDEWALL RETURN GRILLE	NO	NONE	EH PRICE 535-FLA	FIXED BLADE AT 45°, 1/2" SPACING, STEEL BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
E1	EXHAUST GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
E2	HINGED FILTER EXHAUST GRILLE	NO	NONE	EH PRICE RGCC-FF	1/2x1/2x1/2 INCH ALUMINUM EGG CRATE CORE, C/W 1/4 " FLAT BORDER AND SCREWED FASTENING FOR SURFACE MOUNTING. UNIT SHALL HAVE A HINGED FACE AND INTEGRAL FRAME DESIGNED TO ACCEPT A 1" THICK FILTER. SUPPLY TWO FILTERS.

GENERAL GRILLE SCHEDULE NOTES:

1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIRE, 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).

EXPANSION TANK SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Acceptable Volume (gal.)	Diameter (in.)	Height (in.)	System Connection (in.)	Acceptable Manufacturer & Model	Remarks
ET-2601	VERTICAL EXPANSION TANK	150	200	6.4	1.3	12	14	3/4	AMTROL EXTROL ST-12C	SUITABLE FOR POTABLE WATER.

HYDRONIC HEATING COMPONENT SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Acceptable Manufacturer	Description
H-1	CABINET FORCE FLOW HEATER (SEMI - RECESSED)	ENG-A CUH SERIES	16ga STEEL CABINET WITH ROUNDED CORNERS, REMOVABLE PANELS. AND ALUMINUM FIN COIL, 3-SPEED DIRECT DRIVE DOUBLE WIDTH CENTRIFUGAL FANS, AND WASHABLE FILTER. STAMPED GRILLES ON FRONT TOP INLET & FRONT BOTTOM OUTLET. SEMI RECESSED IN WALL WITH TRIM COLLAR. ARRANGEMENT 19.
H-2	CABINET FORCE FLOW HEATER (CEILING)	ENG-A CUH SERIES	16ga STEEL CABINET WITH ROUNDED CORNERS, REMOVABLE PANELS. AND ALUMINUM FIN COIL, 3-SPEED DIRECT DRIVE DOUBLE WIDTH CENTRIFUGAL FANS, AND WASHABLE FILTER. RECESSED ABOVE CEILING. ARRANGEMENT 24.
H-3	RADIATION	ENG-A WF-1A	WALL HUNG, 16ga STEEL CABINET WITH ALL MOUNTING HARDWARE, CORNERS, LAP PIECES, END CAPS, ETC. ELEMENT TO BE 4x4 ALUMINUM FINS ON 1-1/4"Ø COPPER TUBE WITH 50 FINS/FT. PROVIDE STAMPED GRILLE ON SLOPED TOP, OPEN BOTTOM, 18" HIGH CABINET WITH 2 ELEM ROWS.
H-4	CONVECTOR	ENG-A C-3W	16ga STEEL CABINET WITH ALL MOUNTING HARDWARE. ELEMENT TO BE 4x4 ALUMINUM FINS ON 1/2Ø COPPER TUBE WITH 50 FINS/FT. PROVIDE STAMPED GRILLES ON FRONT INLET & OUTLET. SURFACE MOUNTED ON WALL WITH TOP OF UNIT AT 42" AFF.
H-5	RADIATION (HIGH ON WALL)	ENG-A WF-1B	WALL HUNG, 16ga STEEL CABINET WITH ALL MOUNTING HARDWARE, CORNERS, LAP PIECES, END CAPS ETC. ELEMENT TO BE 4x4 ALUMINUM FINS ON 1 1/4± COPPER TUBE WITH 50 FINS/FT. PROVIDE STAMPED GRILLES ON SLOPED TOP & BOTTOM, 18" HIGH CABINET WITH 2 ELEM ROWS. MOUNT HIGH ON WALL.
H-6	RADIANT CEILING PANEL	ENG AIR AIRTEX HEF-2	4 TUBE PASS, EXTRUDED ALUMINUM PANEL WITH EXPOSED TEXTURED FACE AND CONTINUOUS ALUMINUM ADDLES ON BACK TO HOLD 1/2"Ø COPPER TUBING BONDED TO SADDLE. PANEL FINISH COMPLETED IN FACTORY (NO FIELD APPLIED PAINT). PANEL SUITABLE FOR T-BAR INSTALLATION. C/W 2" THICK INSULATION ABOVE.

GENERAL HYDRONIC HEATING COMPONENT SCHEDULE NOTES:

1. ACCEPTABLE MANUFACTURERS: ENGINEERED AIR, SIGMA, RITLING, SLANT-FIN, ROSEMEX, DUNHAM-BUSH.
2. TEMPERATURE RATINGS: EWT-150F, LWT-130F, EAT-65F.
3. SIZES & HEAT CAPACITIES ARE NOTED ON THE FLOOR PLANS.
4. RAD, CONVECTOR, & CABINET HEATER CABINET FINISHES ARE TO HAVE FACTORY APPLIED POWDER COAT FINISH SELECTED FROM STANDARD MANUFACTURER'S COLOURS UNLESS OTHERWISE NOTED.
5. UNIT HEATERS FINISH ARE FACTORY APPLIED BAKED ON PAINT. SELECTED FROM STANDARD MANUFACTURER'S COLOURS.

HEAT PUMP SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Nominal Capacity			ESP (in wc)	Capacity		Electrical Data			Acceptable Manufacturer & Model	Remarks
		tons	Outdoor Air (cfm)	Supply Air (cfm)		Clg MBH EAT 80.6 / 66.2 EWT 90F	Htg MBH EAT 68F EWT 60F	Voltage	MCA	MOCP		
HP-26	HEAT PUMP	3	500	1200	0.35	35.1	38.8	208/3/60	18	25	DAIKIN WCCW 5036	

GENERAL PACKAGED HEAT PUMP HVAC UNIT SCHEDULE NOTES:

1. HEAT PUMPS TO BE COMPLETE WITH ECM MOTORS

FAN SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Capacity (cfm)	ESP (in wc)	Fan Speed (rpm)	Motor hp	Motor Voltage	Acceptable Manufacturer	Remarks
EF-2601	CEILING EXHAUST FAN (UTR A104)	150	0.2	710	FHP	120/1/60	BROAN L150MG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER.
EF-2602	INLINE DUCT MOUNTED DRYER BOOSTER FAN (COMMUNITY LIVING CLASSROOM)	150	0.25	2500	FHP	120/1/60	ORTECH SDF200	IN-LINE FAN, LOW PROFILE SELF CLEANING BACKWARD INCLINED IMPELLER AND HIGH EFFICIENCY MOTOR. C/W DRYER AMP SENSOR AND FAN CONTROL (ORTECH A50), LINT TRAP UPSTREAM OF BOOSTER FAN.
EF-2603	CEILING EXHAUST FAN (CUST / MECH ROOM)	250	0.2	805	FHP	120/1/60	BROAN L250MG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 2.9 SONES. DVR BY BAS CONTRACTOR
EF-2604	ROOF EXHAUST FAN (SCIENCE CLASS)	1200	0.5	1660	1/4	120/1/60	GREENHECK CUBE100	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPBLAST, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER
EF-2605	CEILING EXHAUST FAN (BOILER ROOM)	250	0.2	805	FHP	120/1/60	BROAN L250MG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 2.9 SONES. DVR BY BAS CONTRACTOR
EF-2606	INLINE DUCT MOUNTED DRYER BOOSTER FAN (LAUNDRY C116)	150	0.25	2500	FHP	120/1/60	ORTECH SDF200	IN-LINE FAN, LOW PROFILE SELF CLEANING BACKWARD INCLINED IMPELLER AND HIGH EFFICIENCY MOTOR. C/W DRYER AMP SENSOR AND FAN CONTROL (ORTECH A50), LINT TRAP UPSTREAM OF BOOSTER FAN.
EF-2607	CEILING EXHAUST FAN (FDK C119)	100	0.2	640	FHP	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER.
EF-2608	CEILING EXHAUST FAN (W/R R103)	100	0.2	640	FHP	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER.
EF-2609	CEILING EXHAUST FAN (W/R R104)	100	0.2	640	FHP	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER.
EF-2610	CEILING EXHAUST FAN (ELECTRICAL ROOM)	100	0.2	640	FHP	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER. DVR BY BAS CONTRACTOR.
EF-2611	ROOF EXHAUST FAN (WASHROOMS)	1000	0.35	1450	1/4	120/1/60	GREENHECK GB100	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, DOWN DISCHARGE, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER. DVR BY BAS CONTRACTOR
EF-2612	CEILING EXHAUST FAN (KITCHEN)	100	0.2	640	FHP	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES. C/W FACTORY MOUNTED SPEED CONTROLLER. DVR BY BAS CONTRACTOR.

GENERAL FAN SCHEDULE NOTES:

1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, CARNES, ACME, TWIN CITY, JENCO, BUFFALO. (CEILING FANS: BROAN, GREENHECK, ZONEX)
2. PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

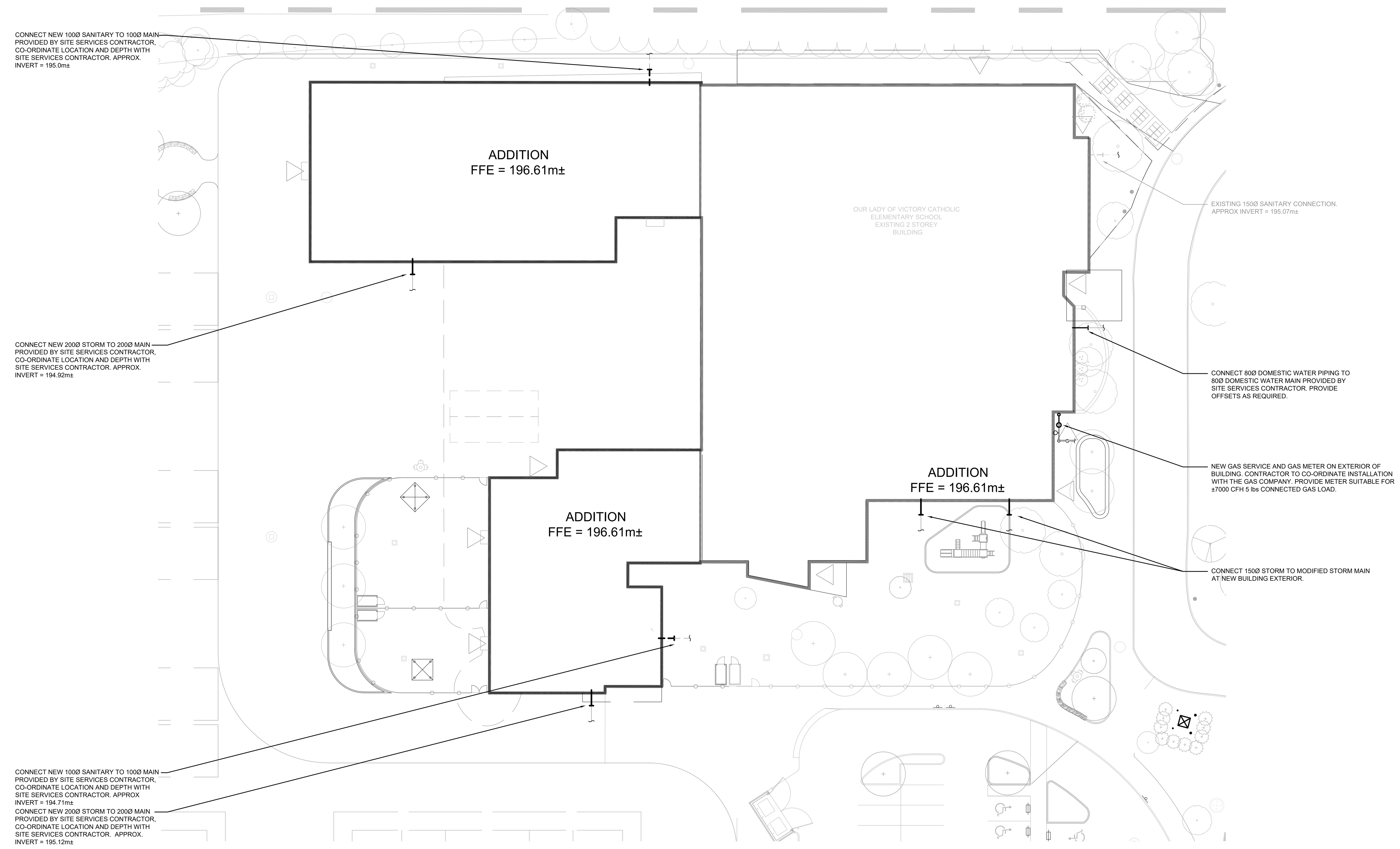
GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL)

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Flow Rate (gpm/lpm)	Grease Capacity (lbs/kg)	Dimensions HxWxL (in.)	Acceptable Manufacturer	Remarks
GI-1	RECESSED GREASE INTERCEPTOR	35 (132)	138.5 (63)	17.5 x 23.5 x 31	CANPLAS ENDURA 3935	RECESSED IN FLOOR INSTALLATION. PROVIDE RISER EXTENSION TO SUIT INSTALLED DEPTH.
GI-2	RECESSED GREASE INTERCEPTOR	10 (38)	38 (17)	16.3 x 14.5 x 17.5	CANPLAS ENDURA 3915	RECESSED IN FLOOR INSTALLATION. PROVIDE RISER EXTENSION TO SUIT INSTALLED DEPTH.

GENERAL GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL) NOTES:

1. ACCEPTABLE MANUFACTURERS: CAN-AQUA, JRC PLASTIC INTERUPTERS AND PIT BOXES, JONESPEC, CONTOUR, ENDURA
2. HYDROMECHANICAL TYPE INTERCEPTOR, TESTED AND RATED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACT (EPA), COMPLETE WITH FIRE RESISTANT POLYPROPYLENE CONSTRUCTION FOR MOUNTING FLUSH WITH FLOOR WITH ALUMINUM NON-SKID COVERS ON FLOOR COMPLETE WITH FLOW CONTROL FITTING SUITABLY VENTED, AND EXTENSION.
3. THE UNIT SHALL BE ABLE TO TREAT EFFLUENT TO LESS THAN 100 MG/LITRE OF GREASE.



SITE PLAN – RENOVATION
SCALE: 1:300

BOILER SCHEDULE

Item	Type	Input (MBH)	Output (MBH)	Flue Vent Dia. (in.)	Voltage	Acceptable Manufacturer & Model	Remarks
B-1	HEATING WATER BOILER	1250	1203	8	120/1/60	LOCHINVAR CREST FB-1251	C/W CONDENSATE NEUTRALIZER KIT, COMBUSTION AIR KIT, FLOW SWITCH, LOW WATER CUT-OFF, AND PRESSURE RELIEF VALVE.
B-2	HEATING WATER BOILER	1250	1203	8	120/1/60	LOCHINVAR CREST FB-1251	C/W CONDENSATE NEUTRALIZER KIT, COMBUSTION AIR KIT, FLOW SWITCH, LOW WATER CUT-OFF, AND PRESSURE RELIEF VALVE.

ENERGY RECOVERY UNIT SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Capacity		ESP (in wc)	Fan Speed		Electrical Data			Acceptable Manufacturer	Remarks
		Supply (cfm)	Exhaust (cfm)		Supply (rpm)	Exhaust (rpm)	Voltage	MCA	MOCP		
ERV-1	ENERGY RECOVERY VENTILATION	3300	3300	1	975	975	575/3/60	7.7	10	ALDES CH5000E	POLYPROPYLENE CORE, FORWARD CURVED BLOWERS. INTEGRAL EXHAUST DEFROST CONTROL.

DOMESTIC WATER HEATER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Input		Water Side		Acceptable Manufacturer & Model	Remarks
		Capacity	Medium	Storage gal	Recovery gal/h		
WH-2	DOMESTIC WATER HEATER	18 kW	ELECTRIC	50	74	AO SMITH DRE-52-18	575/3/60

SILENCER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	System Serving	Type	Face Dimensions		Length (mm)	Flow (cfm)	Face Velocity (fpm)	Silencer Pressure Drop (in wg)	Free Field Noise Reduction (dB)								Acceptable Manufacturer & Model	Remarks
			Width (mm)	Height (mm)					63	125	250	500	1000	2000	4000	8000		
SL-1	RTU-1	STRAIGHT	1000	550	1800	7,200	1180	0.33	11	13	19	26	19	16	14	10	KINETICS 1000 KCRS-F/3.5	
SL-2	RTU-1	STRAIGHT	1000	500	2100	7,800	1370	0.2	8	13	17	30	16	14	14	10	KINETICS 1000 KCRS-F/4.5	
SL-3	RTU-1	STRAIGHT	1000	600	600	8,400	1370	0.03	3	5	7	14	10	7	6	4	KINETICS 1000 KCRS-F/5.5	
SL-4	RTU-1	STRAIGHT	1000	450	450	6,600	1370	0.03	3	5	7	14	10	7	6	4	KINETICS 1000 KCRS-F/5.5	

PUMP SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Capacity (Usgpm)	Head (ft)	Size (hp)	Speed (rpm)	Acceptable Manufacturer	Remarks
C-1	HEATING CIRCULATION PUMP	120	25	1.5	1800	BELL & GOSSETT e-90 2AB	208/3/60
C-2	HEATING CIRCULATION PUMP	120	25	1.5	1800	BELL & GOSSETT e-90 2AB	208/3/60
C-3	VERTICAL INLINE PUMP, HEATING WATER	240	60	7.5	1800	BELL & GOSSETT e-80SC 3x3x9.5C	C/W MOTOR SUITABLE FOR REMOTE VFD 575/3/60
C-4	VERTICAL INLINE PUMP, HEATING WATER	240	60	7.5	1800	BELL & GOSSETT e-80SC 3x3x9.5C	C/W MOTOR SUITABLE FOR REMOTE VFD 575/3/60
RP-2	IN-LINE DOMESTIC RECIRC PUMP	5	15	FHP	3600	BELL & GOSSETT ECOCIRC	SUITABLE FOR POTABLE WATER 120/1/60 DVR BY BAS CONTRACTOR

KEY PLAN
SCALE: NTS

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.
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

SITE PLAN RENOVATION AND SCHEDULES

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M102
CHECKED: MW	
PRINT DATE	5/5/2026 11:38 AM
REVIT FILE	

PLUMBING FIXTURE SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Connection Sizes					Fixture		Trim		Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
WC-1	WATER CLOSET FLUSH VALVE, HAND FREE		1		3	1.5	AMERICAN STANDARD MADERA 2234.001 KOHLER WELLCOMME K-4350 ZURN ECO VANTAGE Z5655-BWL	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 81T201-5 ZURN Z6000AV-WS1 SLOAN 111-1.6	BARRIER FREE, EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH.	SEAT: BEMIS 2155SSCT CENTOCO AM500STSCCSS	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-2	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH		1		3	1.5	AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 ZURN 5665-BWL	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" OR 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	DELTA 81T201-5 ZURN Z6000AV-WS1 SLOAN 111-1.6	BARRIER FREE, EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH. **SPECIAL ORDER LEFT/RIGHT HANDED SO THAT HANDLE IS ON TRANSFER SIDE OF FIXTURE.**	SEAT: BEMIS 7850TDG CENTOCO AM820STS	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-3	WATER CLOSET FLUSH TANK		1/2		3	1.5	AMERICAN STANDARD CADET PRO 215DA.054 KOHLER WELLWORTH K-3977 ZURN Z5540	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASS'Y, SIPHONE JET, ROUND RIM, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.			SEAT: BEMIS 7750TDG CENTOCO AM460STS-001	SEAT: WHITE, ROUND, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-4	WATER CLOSET FLUSH TANK ROUND FRONT FOR DAYCARE		1/2		3	1.5	AMERICAN STANDARD BABY DEVORO 2315.228 CRANE BABY BOWL 3811 ZURN Z5590	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASS'Y, SIPHON JET, ROUND RIM, 260mm (10 1/4") HIGH, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 4.8 litres (1.07 gal) PER FLUSH.			SEAT: BEMIS BB955CT CENTOCO AM2300STSCC	SEAT: WHITE, ROUND, OPEN FRONT LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-5	WATER CLOSET FLUSH TANK		1/2		3	1.5	AMERICAN STANDARD CADET 2462 016,3481 016 KOHLER WELLWORTH K-3505 MANSFIELD QUANTUM 147-123 ZURN Z5530-IN	VITREOUS CHINA, TANK WITH LINER & PRESSURE ASSISTED, SIPHON JET, ELONGATED RIM, METAL CHROME TRIP LEVER, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.			SEAT: BEMIS 2155SSCT CENTOCO AM500STSCCSS	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
L-1	COUNTER MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1.25	1.25	AMERICAN STANDARD MURRO KOHLER ZURN	VITREOUS CHINA, LOW SHELF, WITH INTEGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, FRONT OVERFLOW, SOAP DEPRESSIONS, SUPPLY OPENING ON 102mm (4") CENTRES, CONCEALED SUPPORTS.	DELTA 591T0230 MOEN COMMERCIAL 8301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME 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 HARDWIRED CONNECTION.	TRAP: DELTA 33T311 ZURN, MCGUIRE CARRIER: ZURN, WATTS	WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL. PROVDE FLOOR MOUNTED WALL CARRIER.
L-2	B.F. COUNTER MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1.25	1.25	AMERICAN STANDARD MURRO KOHLER ZURN	VITREOUS CHINA, LOW SHELF, WITH INTEGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, FRONT OVERFLOW, SOAP DEPRESSIONS, SUPPLY OPENING ON 102mm (4") CENTRES, CONCEALED SUPPORTS.	DELTA 591T0230 MOEN COMMERCIAL 8301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME 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 HARDWIRED CONNECTION.	TRAP: DELTA 33T311 ZURN, MCGUIRE CARRIER: ZURN, WATTS INSULATION: TRUEBRO LAV GUARD MCGUIRE PROWRAP PWV8902	WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL. PROVDE FLOOR MOUNTED WALL CARRIER. INSULATION: INSULATE WASTE AND SUPPLIED WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET
L-3	WALL MOUNTED LAV ELECTRONIC FAUCET MTD AT 600AFF (COORDINATE INSTALL HEIGHT WITH ARCH DWG ELEVATION)	1/2	1/2		1.25	1.25	AMERICAN STANDARD PENLYN 0373.05 KOHLER CHESAPEAKE K-1728 ZURN Z5354	WALL-HUNG SINK, VITREOUS CHINA, LOW SHELF, WITH INTEGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, OVERFLOW, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, CONCEALED SUPPORTS. SIZE: 686 MM X 500 MM (27" X 20").	DELTA 591T0220 MOEN COMMERCIAL CA8301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME 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 HARDWIRED CONNECTION.	TRAP: DELTA 33T311 ZURN, MCGUIRE CARRIER: ZURN, WATTS INSULATION: TRUEBRO LAV GUARD MCGUIRE PROWRAP PWV8902	WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL. PROVDE FLOOR MOUNTED WALL CARRIER. INSULATION: INSULATE WASTE AND SUPPLIED WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET
MS-1	MOP SINK	1/2	1/2		3	1.5	FIAT MSB 2424 ZURN 1996-24 STERN WILLIAMS MTB-2424	SINK: MOLDED HIGH DENSITY COMPOSITE BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER AND GASKETED OUTLET CONNECTION. OVERALL SIZE: 600 mm X 600 mm X 250 mm HIGH (24" X 24" X 10").	FIAT 830-AA ZURN Z842M1-5H DELTA 28T9	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESET LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 KPA (60 psi).	FIAT ZURN STERN WILLIAMS DELTA	HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBBER HOSE MOP HANGER WALL GUARD: STAINLESS STEEL 600 mm (24") HIGH CONTINUOUS ON ADJACENT WALLS.
S-1	STAINLESS STEEL CLASSROOM SINGLE SINK (CW ONLY)		1/2		1.5	1.25	KINDRED LBS6808-1/3 NOVANNI 1017I	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 (20½" X 20" X 8").	CHICAGO FAUCET 350-E3V-XKABCP DELTA ZURN MOEN COMMERCIAL	FAUCET: CHROME PLATED BRASS, WITH GOOSENECK SWING SPOUT, AERATOR, 5-14" REACH LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi). 120° MAXIUM SPOUT SWIVEL.		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
S-2	STAINLESS STEEL SINGLE SINK	1/2	1/2		1.5	1.25	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 (20½" X 20" X 8").	DELTA 100-DST ZURN Z82300-CP8 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 TO LIMIT HOT WATER TO 120F. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
S-3	STAINLESS STEEL SINGLE SINK (COORDINATE ELEVATION & ORIENTATION WITH ARCHITECTURAL / GC)	1/2	1/2		1.5	1.25	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 (20½" X 20" X 8").	DELTA 100-DST ZURN Z82300-CP8 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 TO LIMIT HOT WATER TO 120F. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
S-4	SINGLE COMPARTMENT STAINLESS STEEL SCIENCE SINK (CW ONLY)		1/2		1.5	1.25	KINDRED LBS4607/316 NOVANNI	SINK: FROM1.0mm (18 GUAGE) THICK TYPE 316 STAINLESS STEEL, SELF-RIMMING, UNDERCOATING, CLAMPS. OVERALL SIZES: 480 mm X 460 mm X 180 mm (18-13/16" X 18-1/8" X 7").	DELTA W660-9-C	FAUCET: CHROME PLATED BRASS, WITH GOOSENECK SPOUT, VACUUM BREAKER, AERATOR, LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi). 120° MAXIUM SPOUT SWIVEL.		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
DS-1	STAINLESS STEEL DOUBLE SINK	1/2	1/2		1.5	1.25	KINDRED LBD6408-1/3 NOVANNI 2007I	SINK: DOUBLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 790 mm X 520 mm X 200 mm (31½" X 20 3/4" X 8").	DELTA 100 ZURN Z82300-CP8 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 TO LIMIT HOT WATER TO 120F. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
WF-1	WALL MOUNTED BF WASH FOUNTAIN (3 USER)	1/2	1/2		1.5	1.25	BRADLEY MG-3 (NO ALTERNATES)	WALL MOUNTED TERREON BOWL GROUP LAVATORY SYSTEM, COMPLETE WITH STAINLESS STEEL PANEL, SUITABLE FOR THREE (3) USERS. COLOUR BY ARCHITECT. ALLOW FOR TWO (2) PREMIUM COLOURS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.		ADAPTIVE INFRA-RED CONTROLLED, MOLDED SPRAYHEAD, STOP VALVES, TRANSFORMER, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET TO 40°C. PROVDE CONTROL TO LIMIT FLOR TO 2L / MIN. SUITABLE FOR 120/1/60		
WF-2	WALL MOUNTED WASH FOUNTAIN (KINDERGARTEN)	1/2	1/2		1.5	1.25	BRADLEY TRI FOUNT MF2939	WALL MOUNTED BOWL, STAINLESS STEEL PANEL SUITABLE FOR THREE (3) USERS. COLOUR BY ARCHITECT. ALLOW FOR TWO (2) PREMIUM COLOURS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.		ADAPTIVE INFRA-RED CONTROLLED, MOLDED SPRAYHEAD, STOP VALVES, TRANSFORMER, HORIZONTAL SWING CHECK VALVES, THERMOSTATIC MIXING VALVE PRESET TO 40°C. PROVDE CONTROL TO LIMIT FLOR TO 2L / MIN. SUITABLE FOR 120/1/60		
DF-1	DRINK FOUNTAIN C/W BOTTLE FILLER		1/2		1 1/4	1 1/4	ELKAY EZSDWSVRSK	WALL HUNG UNIT SHALL PROVIDE 1-1.5 GPM FLOW RATE W/ LAMINAR FLOW TO MINIMIZE SPLASHING, INCLUDE ANTIMICROBIAL PROTECTED PLASTIC COMPONENTS TO PREVENT MOLD AND MILDEW, PUSHBAR-ACTIVATION AND WATER-EFFICIENT BUBBLER. BOTTLE FILLING UNIT SHALL MEET ADA GUIDELINES FOR PARALLEL APPROACH, ADA GUIDELINES FOR FRONTAL OR PARALLEL APPROACH. UNIT SHALL BE LEAD-FREE DESIGN WHICH MEETS SAFE DRINKING WATER ACT AND IS CERTIFIED TO NSF/ANSI 61 AND CALIFORNIA AB1953, TO UL399 AND CAN/CSA 22.2 NO 120 WITH WALL PLATE, AND WALL HANGER. UNIT COMPLETE WITH ELECTRONIC BOTTLE SENSOR (SUITABLE FOR 120/1/60) WITH ELECTRONIC FRONT ADN SIDE BUBBLER PUSH BUTTON ACTIVATION, AND STAINLESS STEEL FINISH.		VANDAL RESISTANT, ANGLE STREAM, ANTI-SQUIRT BUBBLER WITH AUTOMATIC STREAM REGULATOR, SELF-CLOSING PUSH BUTTON VALVE, SCREWDRIVER STOP, WASTE TAILPIECE, TRAP, AND ACCESS COVER.		PROVIDE FLOOR MOUNTED WALL CARRIER
WS-1	WASHER SUPPLY VALVE	1/2	1/2				WATTS DWB ZURN WM2961 DELTA	ENCASED WASHING MACHINE VALVE COMPLETE WITH SINGLE LEVER HANDLE VALVE, HEAVY-DUTY MOUNTING STRAPS, KNOCKOUTS FOR A RIGHT OR LEFT MOUNTING, AND A TAILPIECE THAT ADAPTS EASILY TO EITHER ABS OR PVC STANDPIPE.				
EW-1	EYE WASH	1/2	1/2		1.25	1.25	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.			HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1
NFHB-1	NON-FREEZE WALL HYDRANT		3/4				ZURN Z-1300 MIFAB MHY-20 ANCON HY-725	RECESSED, ENCASED, ALL BRONZE CONSTRUCTION, ANTI-SYPHON, NON FREEZE WALL HYDRANT WITH NON-TURNING OPERATING ROD, FREE FLOATING COMPRESSION VALVE, INTEGRAL VACUUM BREAKER, SELF DRAINING, REPLACEABLE SEAT AND SEAT WASHER. NICKEL BRONZE BOX AND HINGED COVER WITH OPERATING KEY LOCK. NPS 20 MM (¾") HOSE OUTLET.				
HB-1	WALL HYDRANT		3/4				WATTS BD SERIES DELTA WALTEC WILKINS EMCO	20 MM (3/4") DIAMETER BRASS CONSTRUCTION, 200 PSI, 180°F PRESSURE AND TEMPERATURE LIMITS, COMPLETE WITH HOSE CONNECTION, AND WHEEL HANDLE STRAIGHT/ANGLE PATTERN TO SUIT. PROVIDE VACUUM BREAKER COMPLETE WITH HOSE CONNECTION.				
FD-1	FLOOR DRAIN				NOTED	1.5	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				
FFD-1	FUNNEL FLOOR DRAIN				NOTED	1.5	ZURN ZN-415-BF MIFAB F1100-C-EG CONTOUR C2000-R5HNB WATTS FD-100-C-EG-1	COMBINATION FUNNEL FLOOR DRAIN CAST IRON BODY WITH INTEGRAL SEEPAGE PAN, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD STRAINER WITH INTEGRAL FUNNEL. C/W TRAP PRIMER.				
HD-1	HUB DRAIN				NOTED	1.5	ZURN Z415 C/W Z-400-S MIFAB F1100-C-DD CONTOUR C2000-F WATTS FD-100-C-DD	GENERAL DUTY HUB DRAIN CAST IRON BODY, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD HUB. C/W TRAP PRIMER.				
RD-1	ROOF DRAIN (FLOW CONTROL)				NOTED		ZURN ZACF121-CR MIFAB R1200-FBU CONTOUR C1000DMPX WATTS RD-100-ABDK SMITH 1016-C-R-AD	CONTROLLED FLOW; CAST IRON BODY, UNDER DECK CLAMP AND SUMP RECEIVER TO SUIT ROOF CONSTRUCTION, FLASHING CLAMP RING WITH INTEGRAL GRAVEL STOP, BEARING PAN, FLOW CONTROL WEIR ASSEMBLY, ALUMINUM DOME.				

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Phone: 519-725-3555
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Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION

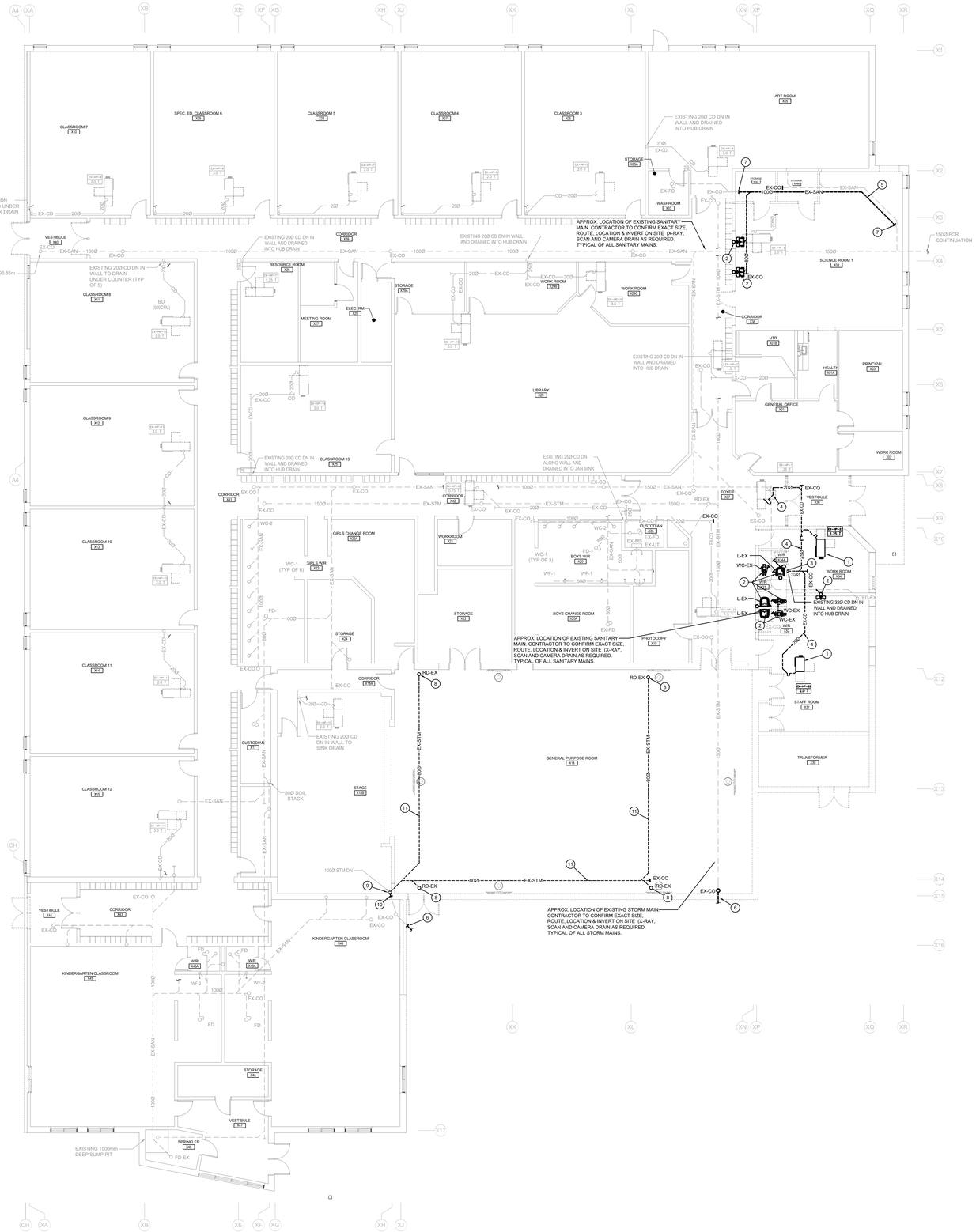
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

SCHEDULES

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE As indicated	PROJECT 25106
DATE MAY 2026	
DRAWN DF	DRAWING M103
CHECKED MW	
PRINT DATE	5/5/2026 11:38 AM
REVIT FILE	



GROUND FLOOR PLAN - DRAINAGE DEMOLITION

SCALE: 1:100

GENERAL DEMOLITION NOTES

A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.

B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.

C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.

D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.

E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.

F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.

G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.

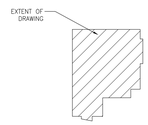
H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

1. EXISTING HEAT PUMP TO BE UNINSTALLED. RETAIN HEAT PUMP FOR RE-INSTALLATION IN NEW LOCATION, REFER TO RENOVATION DRAWINGS.
2. EXISTING PLUMBING FIXTURE AND ASSOCIATED DRAINAGE PIPING TO BE REMOVED COMPLETE. CAP AT MAIN.
3. EXISTING CONDENSATE PIPING DN WALL AND ASSOCIATED DRAIN TO BE REMOVED COMPLETE.
4. EXISTING CONDENSATE PIPING IN CEILING TO BE REMOVED COMPLETE.
5. EXISTING ACID DRAINAGE PIPING TO BE REMOVED COMPLETE. PATCH AND MAKE GOOD THE FLOOR.
6. EXISTING STORM CONNECTION TO SITE SERVICES TO BE REMOVED COMPLETE. COORDINATE EXTENT OF DEMOLITION WITH SITE SERVICES CONTRACTOR. PREPARE FOR NEW CONNECTION.
7. CUT EXISTING SANITARY PIPING AND PREPARE FOR NEW CONNECTION.
8. EXISTING ROOF DRAIN AND ASSOCIATE DRAIN PIPING TO BE REMOVED COMPLETE.
9. REMOVE COMPLETE EXISTING STORM PIPING IN PIPE CHASE. PREPARE FOR NEW CONNECTION.
10. CUT EXISTING STORM PIPING AND ABANDON BURIED PIPING IN EXISTING KINDERGARTEN ROOM.
11. EXISTING STORM PIPING TO BE REMOVED COMPLETE.

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



KEY PLAN

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The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

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Do not scale this drawing.

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DEI Consulting Engineers
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55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519 772 3555
Website: deiassociates.ca
Project Number: 25631

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
15 May 26
M.B. WHITE
100150100
PROVINCE OF ONTARIO

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540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION GROUND FLOOR PLAN DRAINAGE

HOSSACK & ASSOCIATES ARCHITECTS
4-2155 DUNDAS DRIVE
MISSISSAUGA, ONTARIO L5J 3A6
Tel (905) 607-5294 Fax (905) 607-6280

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M201
CHECKED: MW	
PRINT DATE:	5/5/2026 11:38 AM
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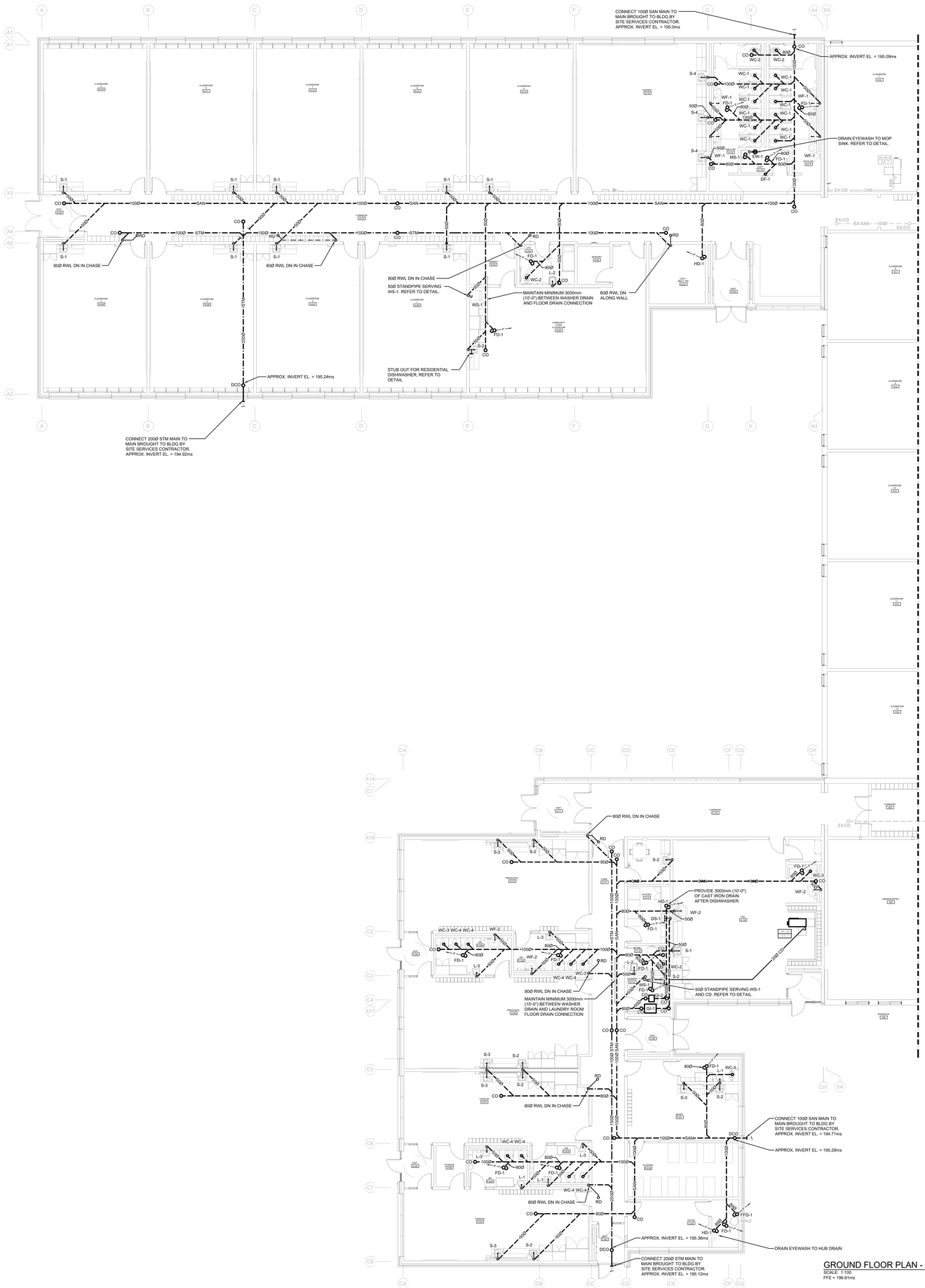
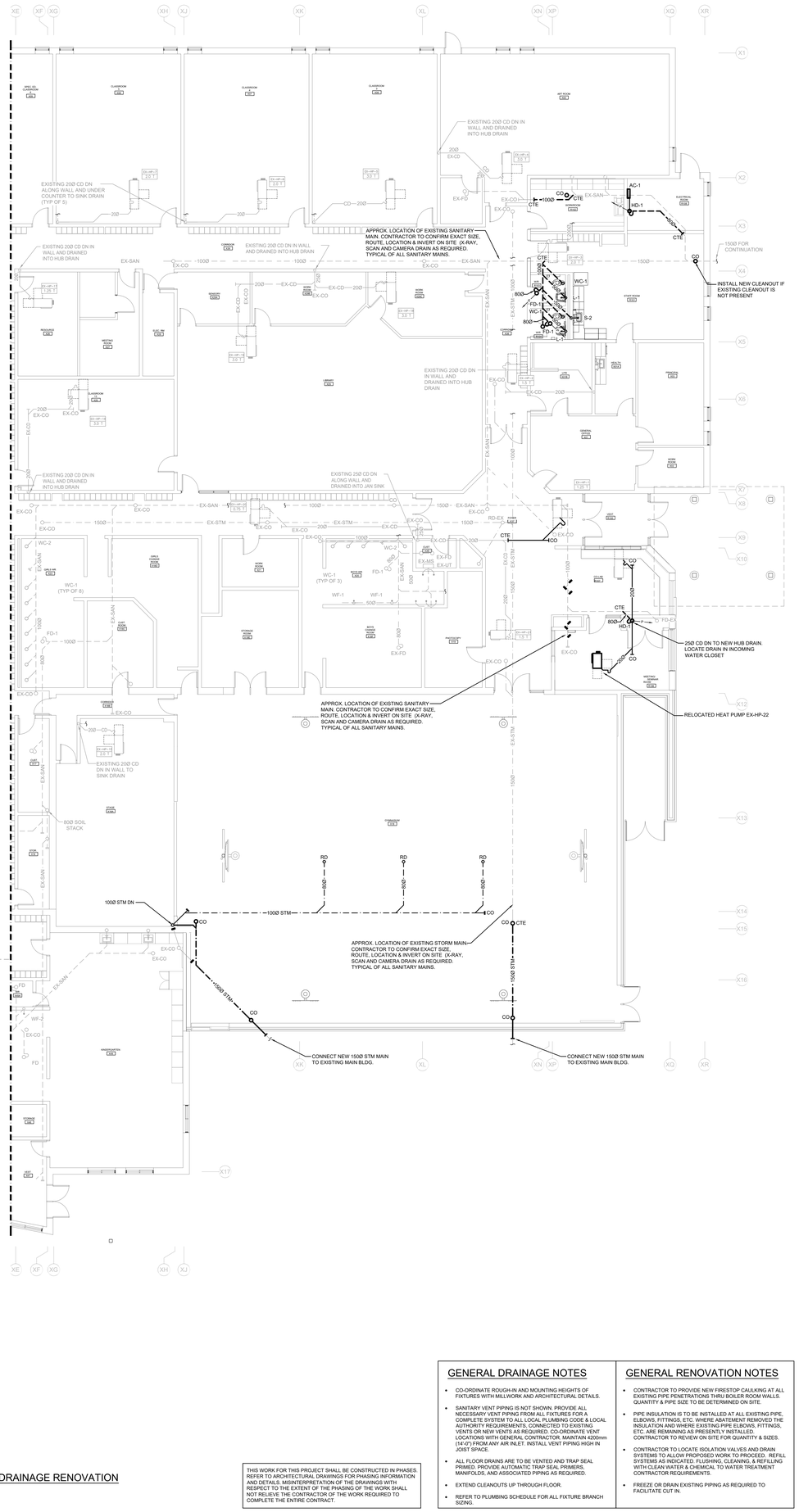




GROUND FLOOR PLAN - DRAINAGE RENOVATION

SCALE: 1:100
FFE = 196.61m±

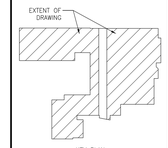
THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.

GENERAL DRAINAGE NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- 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 4200mm (14'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- ALL FLOOR DRAINS ARE TO BE VENTED AND TRAP SEAL PRIMED. PROVIDE AUTOMATIC TRAP SEAL PRIMERS, MANIFOLDS, AND ASSOCIATED PIPING AS REQUIRED.
- EXTEND CLEANOUTS UP THROUGH FLOOR.
- REFER TO PLUMBING SCHEDULE FOR ALL FIXTURE BRANCH SIZING.

GENERAL RENOVATION NOTES

- CONTRACTOR TO PROVIDE NEW FIRESTOP CAULKING AT ALL EXISTING PIPE PENETRATIONS THRU BOILER ROOM WALLS. QUANTITY & PIPE SIZE TO BE DETERMINED ON SITE.
- PIPE INSULATION IS TO BE INSTALLED AT ALL EXISTING PIPE, ELBOWS, FITTINGS, ETC. WHERE ABATEMENT REMOVED THE INSULATION AND WHERE EXISTING PIPE ELBOWS, FITTINGS, ETC. ARE REMAINING AS PRESENTLY INSTALLED. CONTRACTOR TO REVIEW ON SITE FOR QUANTITY & SIZES.
- CONTRACTOR TO LOCATE ISOLATION VALVES AND DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED. FLUSHING, CLEANING, & REFILLING WITH CLEAN WATER & CHEMICAL TO WATER TREATMENT CONTRACTOR REQUIREMENTS.
- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.



KEY PLAN

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519 772 3555
Website: deiassociates.ca
Project Number: 25619

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
'26 May 26'
M. B. WHITE
100100901
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540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION GROUND FLOOR PLAN DRAINAGE

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 3A8
Tel (905) 607-6264 Fax (905) 607-8290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M202
CHECKED: MW	
PRINT DATE: 5/5/2026 11:38 AM	
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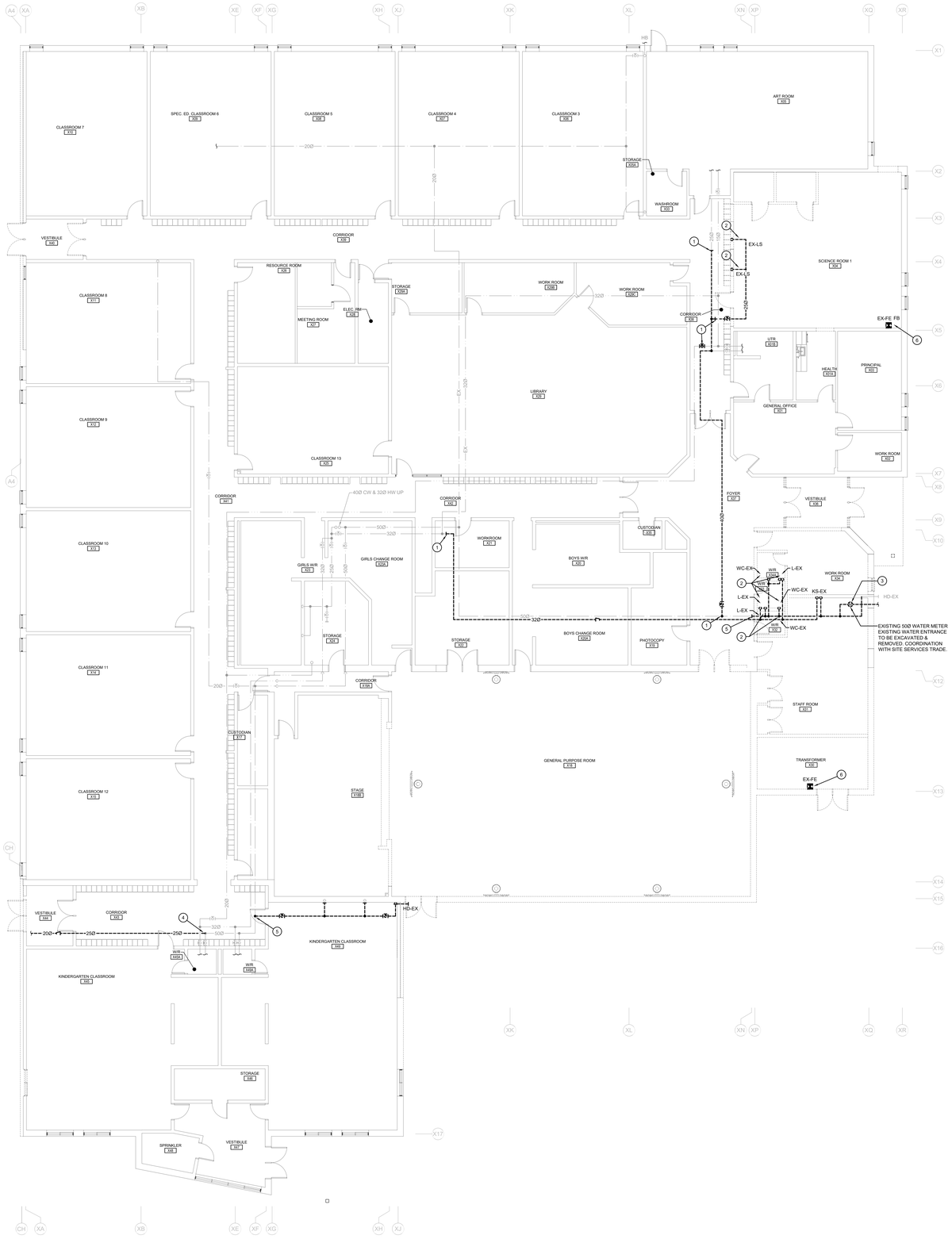


GROUND FLOOR PLAN - PLUMBING DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.

B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.

C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.

D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.

E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.

F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.

G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.

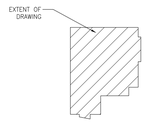
H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

1. CUT EXISTING CW/HW PIPING AND REMOVE BEYOND COMPLETE.
2. EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING TO BE REMOVED COMPLETE.
3. REMOVE EXISTING 50Ø WATER METER AND BACKFLOW PREVENTOR AND PREPARE FOR NEW 100Ø CONNECTION.
4. CUT EXISTING WATER PIPING AND PREPARE FOR NEW CONNECTION.
5. REMOVE EXTENT OF PIPING REQUIRED FOR INSTALLATION OF NEW STRUCTURAL REINFORCEMENT. PREPARE FOR NEW CONNECTION.
6. REMOVE EXISTING FIRE EXTINGUISHER COMPLETE.

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



KEY PLAN

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
'15 May 26'
M.B. WHITE
100 49018
PROVINCE OF ONTARIO

OUR LADY OF VICTORY
ADDITION &
RENOVATION

540 COMMERCIAL ST, MILTON, ON.
L9T 3R3

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION
GROUND
FLOOR PLAN
PLUMBING

HOSSACK
& ASSOCIATES
ARCHITECTS
4-2132 DUNWIN DRIVE,
MISSISSAUGA, ONTARIO, L5L 3E8
Tel (905) 607-8284 Fax (905) 607-8250

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M301
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PRINT DATE: 5/5/2026 11:38 AM	
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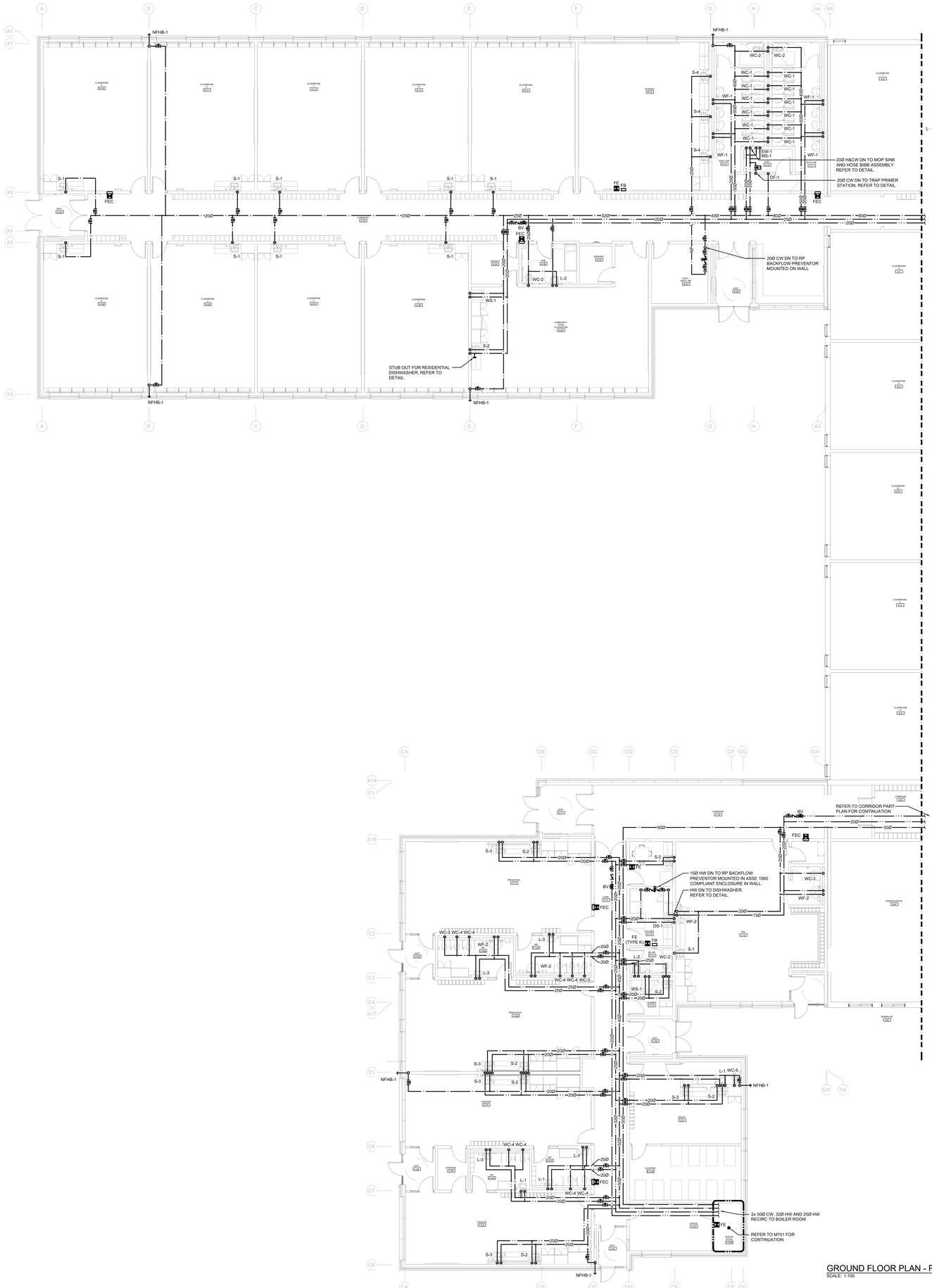
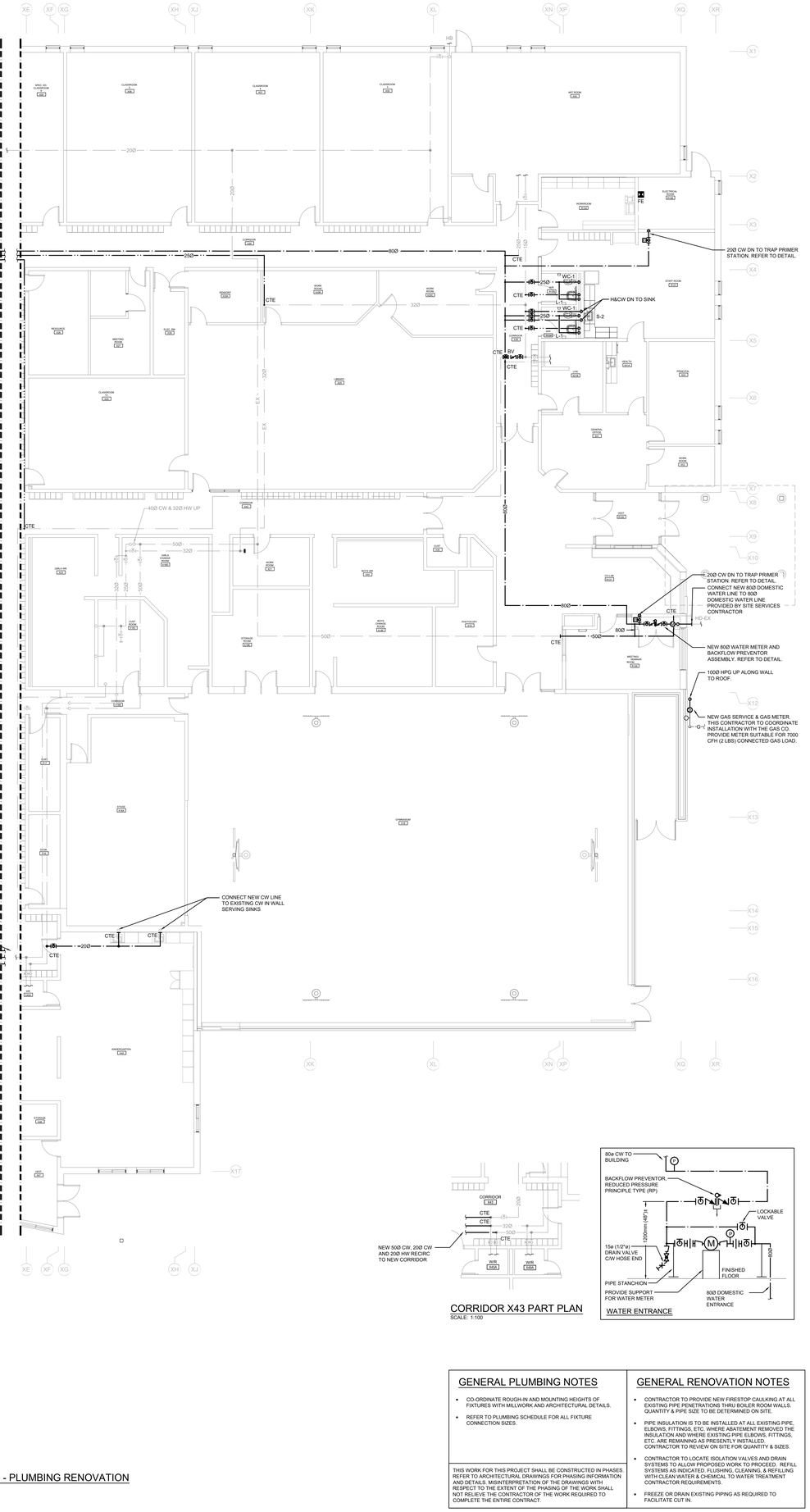
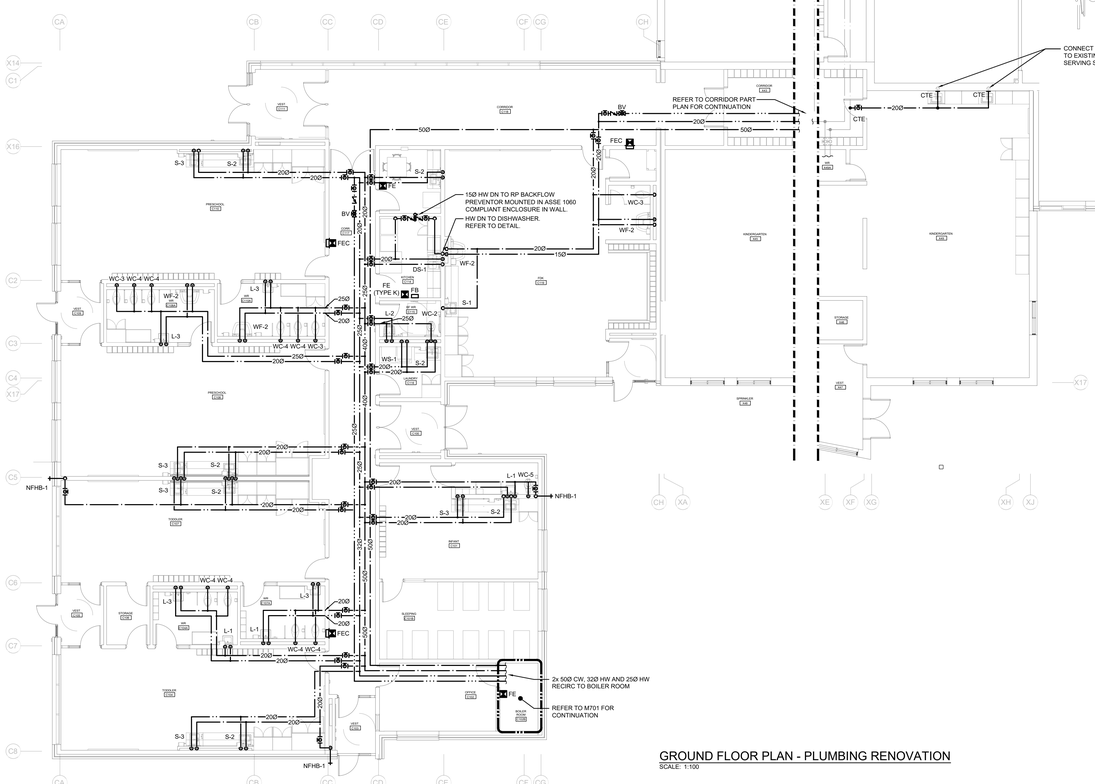


GROUND FLOOR PLAN - PLUMBING RENOVATION
SCALE: 1:100





CORRIDOR X43 PART PLAN
SCALE: 1:100

WATER ENTRANCE

GENERAL PLUMBING NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- REFER TO PLUMBING SCHEDULE FOR ALL FIXTURE CONNECTION SIZES.

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GENERAL RENOVATION NOTES

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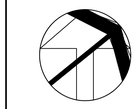
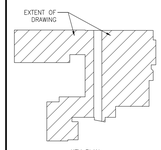
- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.





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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519 725 3555
Website: deiassociates.ca
Project Number: 25639

NO	ISSUED	DATE
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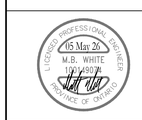

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION GROUND FLOOR PLAN PLUMBING

HOSSACK & ASSOCIATES ARCHITECTS
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Tel (905) 607-6264 Fax (905) 607-8290

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DATE MAY 2026	
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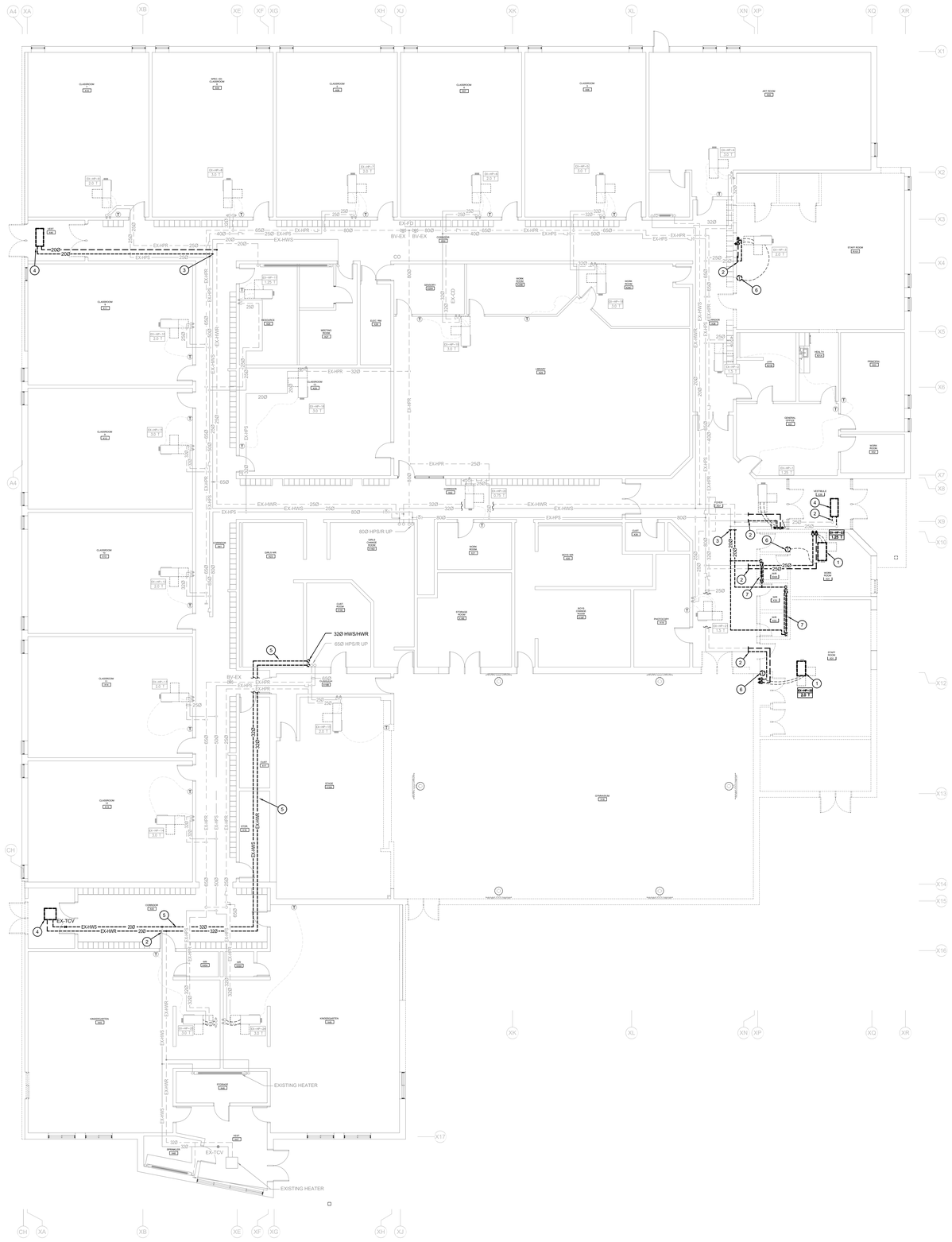

GROUND FLOOR PLAN - HYDRONIC DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.

B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.

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E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.

F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.

G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.

H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

1. EXISTING HEAT PUMP TO BE UNINSTALLED. KEEP HEAT PUMP FOR RE-INSTALLATION IN NEW LOCATION, REFER TO RENOVATION DRAWINGS.
2. CUT EXISTING HWS/R OR HPS/R PIPING AND PREPARE FOR NEW CONNECTION.
3. CUT AND CAP EXISTING HWS/R PIPING AT MAIN. REMOVE BEYOND COMPLETE.
4. EXISTING HEATER AND ASSPCIATED CONTROLS, PIPING, AND DUCTWORK TO BE REMOVED COMPLETE.
5. REMOVE EXISTING HWS/R PIPING BACK TO MAIN. LEAVE HANGERS IN PLACE FOR INSTALLATION OF NEW PIPING.
6. EXISTING THERMOSTAT TO BE UNINSTALLED. KEEP THERMOSTAT FOR RE-INSTALLATION IN NEW LOCATION, REFER TO RENOVATION DRAWINGS.
7. EXISTING HEATER AND ALL ASSOCIATED VALVES, FITTINGS, AND THERMOSTAT TO BE REMOVED COMPLETE.

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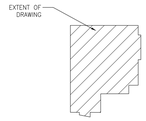
THIS CONTRACTORWILL TAKE ALL NECESSARY STEPS TO HAVE EQUIPMENT THAT WAS REMOVEDREPLACED AS PART OF ANY WORK DISPOSED OF OR DECOMMISSIONED IN ACCORDANCE WITH APPROPRIATE DISPOSAL OR DECOMMISSIONING PROCESSES, APPLICABLE LAWS, AND IN ACCORDANCE WITH COMMERCIALLY REASONABLE ENVIRONMENTAL PRACTICES. THE CONTRACTOR MUST SUBMIT WRITTEN RPOOF, EVIDENCE OR ACKNOWLEDGMENT THAT THE DISPOSAL OF ALL MATERIAL WAS DONE SO IN ACCORDANCE WITH ALL CURRENT DISPOSAL REQUIREMENTS. CONTRACTOR TO SUBMIT ALL REQUIRED PAPERWORK.



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DEI Consulting Engineers
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55 Northland Road, Waterloo, ON N2J 3T8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100 49808
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION GROUND FLOOR PLAN HYDRONIC

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5J 1M8
Tel (905) 607-6284 Fax (905) 607-6290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M401
CHECKED: MW	
PRINT DATE	5/5/2026 11:38 AM
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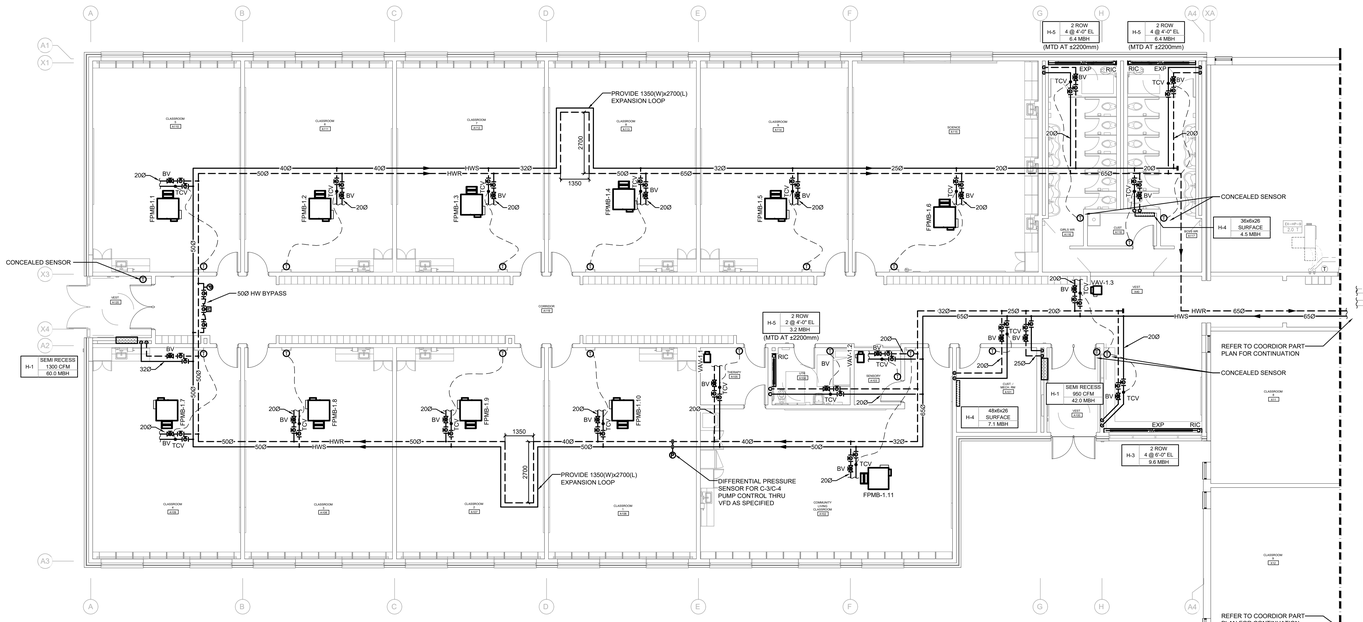
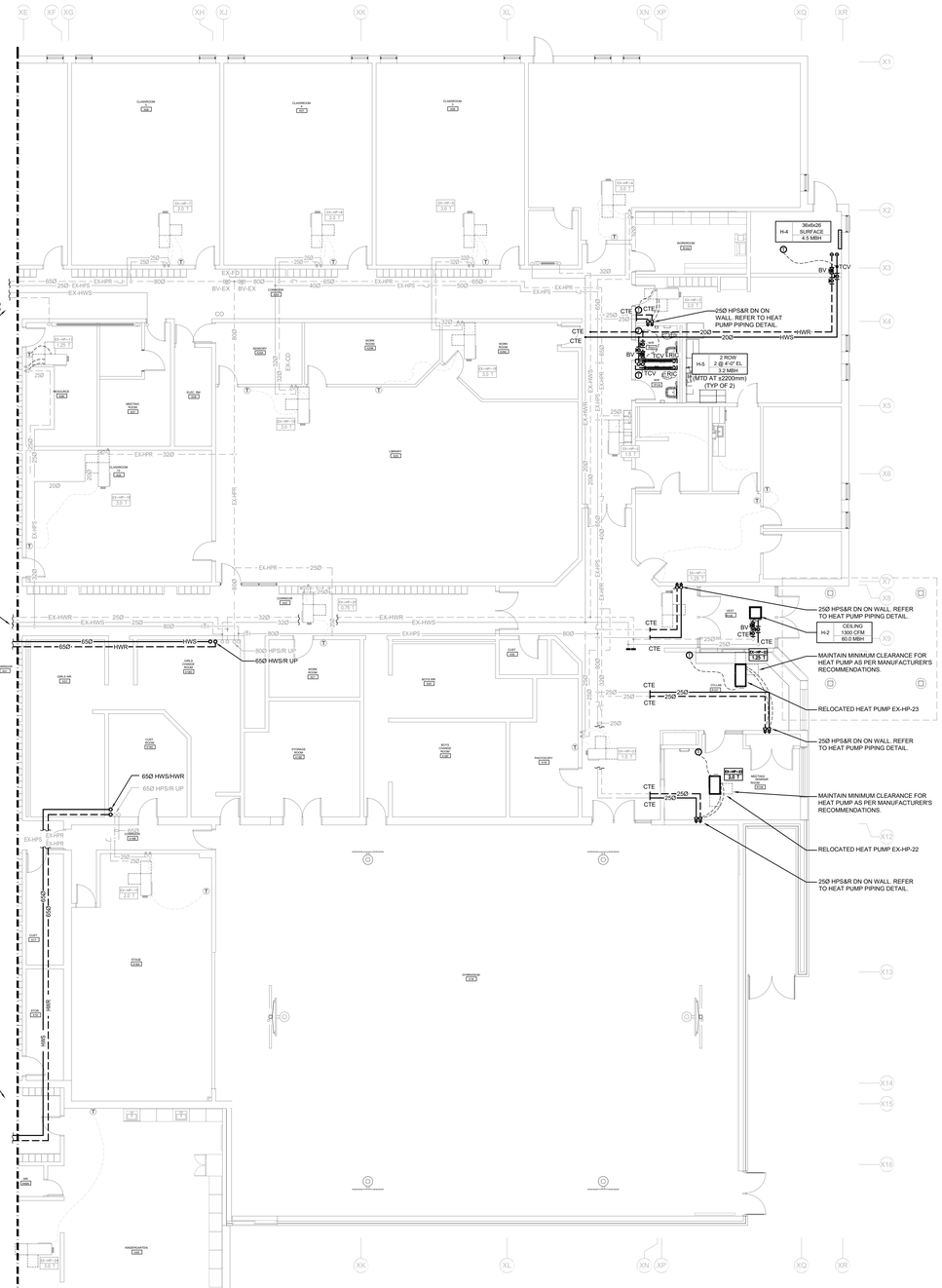
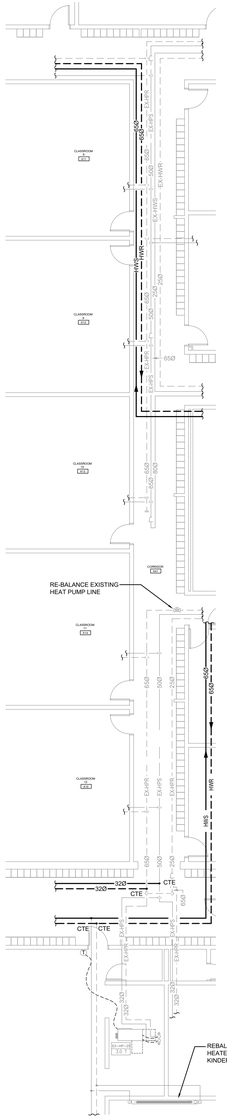
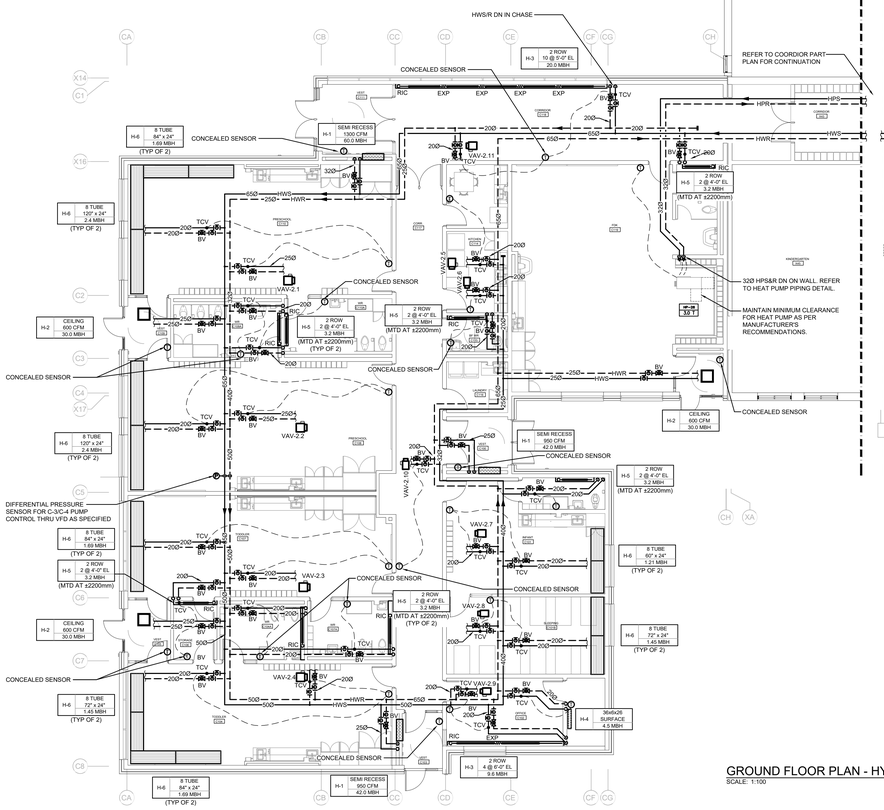






CORRIDOR X41 - HYDRONIC RENOVATION PART PLAN
SCALE: 1:100

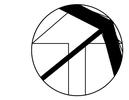


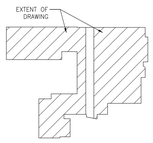
GROUND FLOOR PLAN - HYDRONIC RENOVATION
SCALE: 1:100

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.

GENERAL RENOVATION NOTES

- CONTRACTOR TO PROVIDE NEW FIRESTOP CAULKING AT ALL EXISTING PIPE PENETRATIONS THRU BOILER ROOM WALLS. QUANTITY & PIPE SIZE TO BE DETERMINED ON SITE.
- PIPE INSULATION IS TO BE INSTALLED AT ALL EXISTING PIPE, ELBOWS, FITTINGS, ETC. WHERE ABATEMENT REMOVED THE INSULATION AND WHERE EXISTING PIPE ELBOWS, FITTINGS, ETC. ARE REMAINING AS PRESENTLY INSTALLED. CONTRACTOR TO REVIEW ON SITE FOR QUANTITY & SIZES.
- CONTRACTOR TO LOCATE ISOLATION VALVES AND DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED. FLUSHING, CLEANING, & REFILLING WITH CLEAN WATER & CHEMICAL TO WATER TREATMENT CONTRACTOR REQUIREMENTS.
- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.





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HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION GROUND FLOOR PLAN HYDRONIC

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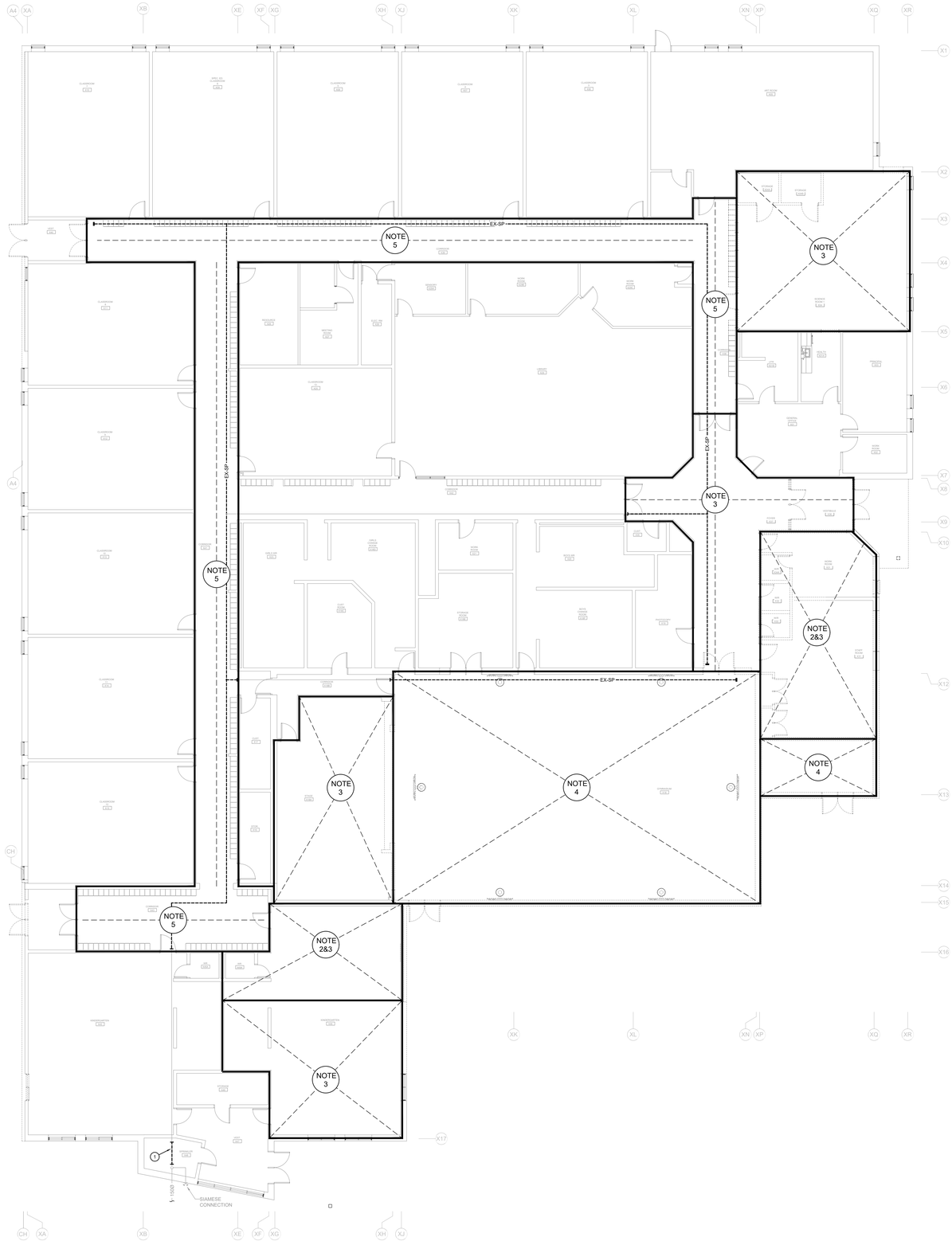

GROUND FLOOR PLAN - FIRE PROTECTION DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.

B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.

C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.

D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.

E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.

F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.

G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.

H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

1. CUT EXISTING SPRINKLER PIPING AND PREPARE FOR INSTALLATION OF NEW SPRINKLER TREE.
2. REMOVE EXTENT OF SPRINKLER PIPING IN THIS AREA REQUIRED FOR INSTALLATION OF NEW STRUCTURAL REINFORCEMENT. PREPARE FOR NEW CONNECTION.
3. REMOVE COMPLETE ALL SPRINKLER HEADS INSTALLED IN CEILING BEING DEMOLISHED. PREPARE FOR NEW CONNECTION.
4. REMOVE COMPLETE ALL EXISTING SPRINKLER PIPING AND SPRINKLER HEADS. PREPARE FOR NEW CONNECTION.
5. REMOVE EXTENT OF SPRINKLER PIPING AND SPRINKERS REQUIRED FOR THE INSTALLATION OF NEW PIPING IN CEILING. PREPARE FOR NEW CONNECTION.

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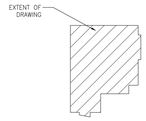

KEY PLAN

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Project Number: 25431

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LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100119074
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HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

DEMOLITION GROUND FLOOR PLAN FIRE PROTECTION

HOSSACK & ASSOCIATES ARCHITECTS
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DATE: MAY 2026	
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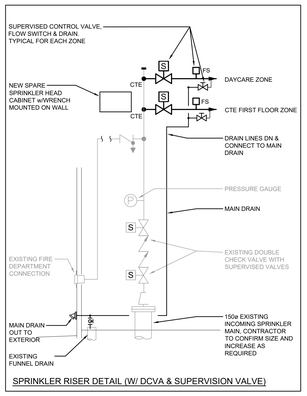
GROUND FLOOR PLAN - FIRE PROTECTION RENOVATION
SCALE: 1:100

SPRINKLER PIPE HANGER DETAIL

SPRINKLER HEAD PLACEMENTS IN ACOUSTIC TILE



SPRINKLER RISER DETAIL (W/ DCVA & SUPERVISION VALVE)

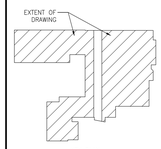
SPRINKLER ROOM PART PLAN
SCALE: 1:50

SPRINKLER SCHEDULE

Type	Sprinkler Head	Colour	Remarks
1	RECESSED PENDENT	WHITE	PROVIDE IN SUPERVISED AREAS (OFFICES, CLASSROOMS, SEMINAR ROOMS, etc.)
2	CONCEALED PENDENT	WHITE	PROVIDE IN UNSUPERVISED AREAS (CORRIDORS, WASHROOMS)
3	UPRIGHT	BRASS	CW GUARDS, PROVIDE IN AREAS WITHOUT A SUSPENDED CEILING

GENERAL SPRINKLER NOTES

1. SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
2. ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'-0" SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
3. SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
5. PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
   - 5.1. PROVIDE UPRIGHT HEADS WITHIN 12" OF EXPOSED DECK THROUGHOUT EXPOSED STRUCTURE AREAS. PROVIDE HEAD GUARDS IN GYM, AREAS WHERE HEADS ARE BELOW 8'-0" & STORAGE ROOMS.
   - 5.2. PROVIDE CONCEALED PENDENT HEADS IN CEILINGS OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
   - 5.3. PROVIDE SEMI-RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, etc.). HEAD & ESCUTCHEON FINISH SELECTED BY CONSULTANT.
6. SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
7. FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
8. SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION
9. COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
10. SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
11. EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.
12. PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
13. COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM.
    - 13.1. SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
    - 13.2. CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL, OPERATION OF ALL PUMPS &/OR COMPRESSORS.
    - 13.3. PERFORM ALL WORK IN ACCORDANCE WITH NFPA 13.
    - 13.4. RETURN SPRINKLER/STANDPIPE SYSTEM TO NORMAL OPERATION ON COMPLETION OF TESTING



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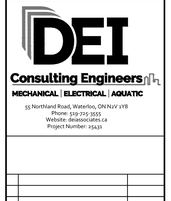

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION
GROUND FLOOR PLAN
FIRE PROTECTION

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4-2765 DUNWIN DRIVE
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Tel (905) 607-6284 Fax (905) 607-6280

SCALE: As indicated	PROJECT: 25106
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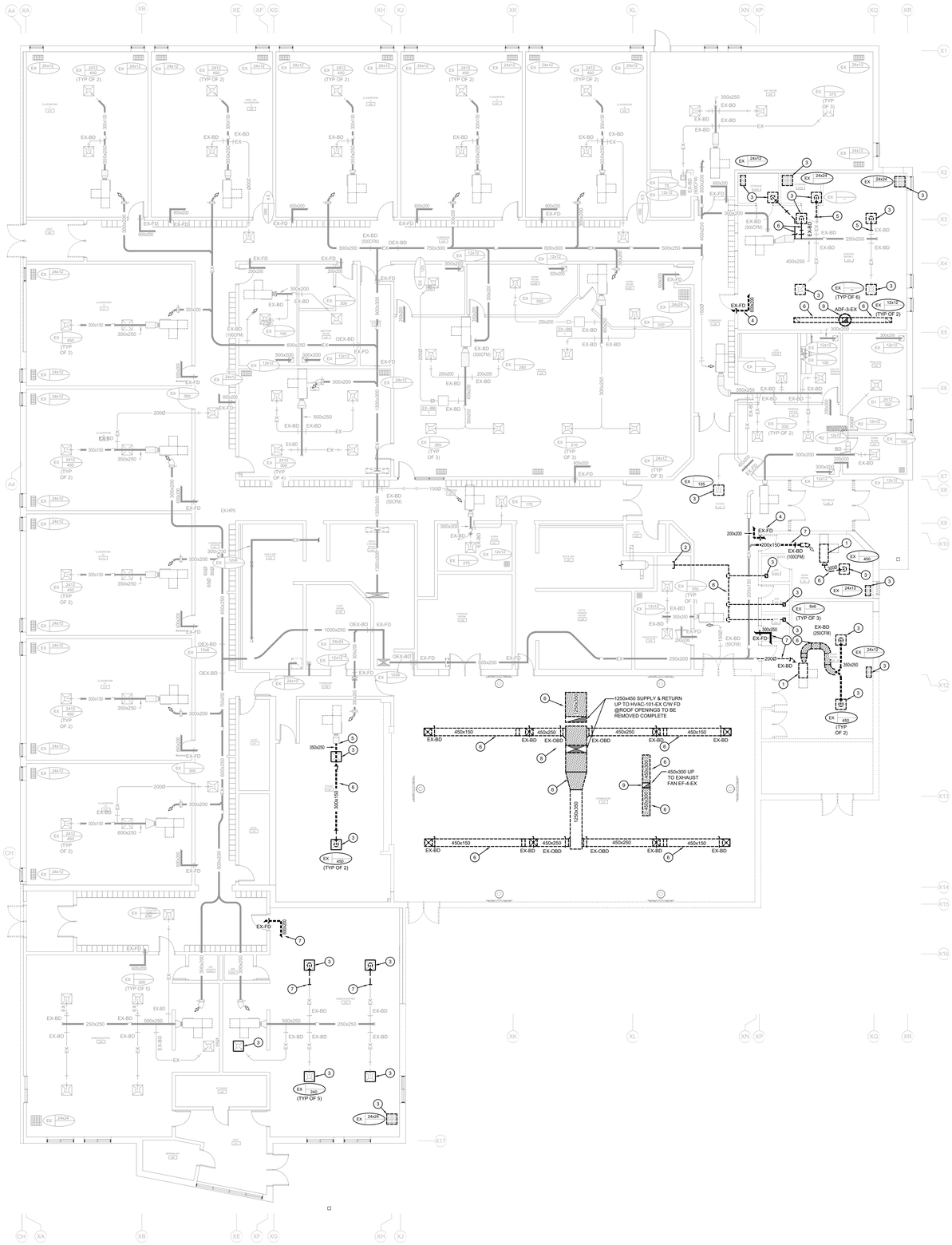

GROUND FLOOR PLAN - VENTILATION DEMOLITION
SCALE: 1:100

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SPECIFIC DEMOLITION NOTES

1. EXISTING HEAT PUMP TO BE UNINSTALLED. KEEP HEAT PUMP FOR RE-INSTALLATION IN NEW LOCATION, REFER TO RENOVATION DRAWINGS.
2. CUT AND CAP EXISTING DUCTWORK AND REMOVE BEYOND COMPLETE.
3. EXISTING GRILLE/DIFFUSER TO BE REMOVED COMPLETE.
4. EXISTING TRANSFER DUCT TO BE REMOVED COMPLETE. PATCH AND MAKE GOOD HOLE IN WALL.
5. CUT EXISTING DUCTWORK AND PREPARE FOR NEW CONNECTION. REMOVE BEYOND COMPLETE.
6. REMOVE EXISTING DUCTWORK COMPLETE.
7. REMOVE EXTENT OF DUCTWORK REQUIRED FOR INSTALLATION OF NEW STRUCTURAL REINFORCEMENT. PREPARE FOR NEW CONNECTION.
8. REMOVE COMPLETE ALL DUCTWORK AND ACCESSORIES FROM EXISTING HVAC UNIT ON ROOF, INCLUDING THERMOSTAT, DUCTWORK, ETC.
9. EXISTING ROOFTOP EXHAUST FAN AND ASSOCIATED DUCTWORK, FITTINGS, AND CONTROL WIRING TO BE REMOVED COMPLETE.

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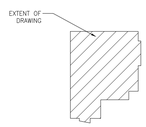

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15 May 26
M.B. WHITE
100155710
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HALTON CATHOLIC DISTRICT SCHOOL BOARD

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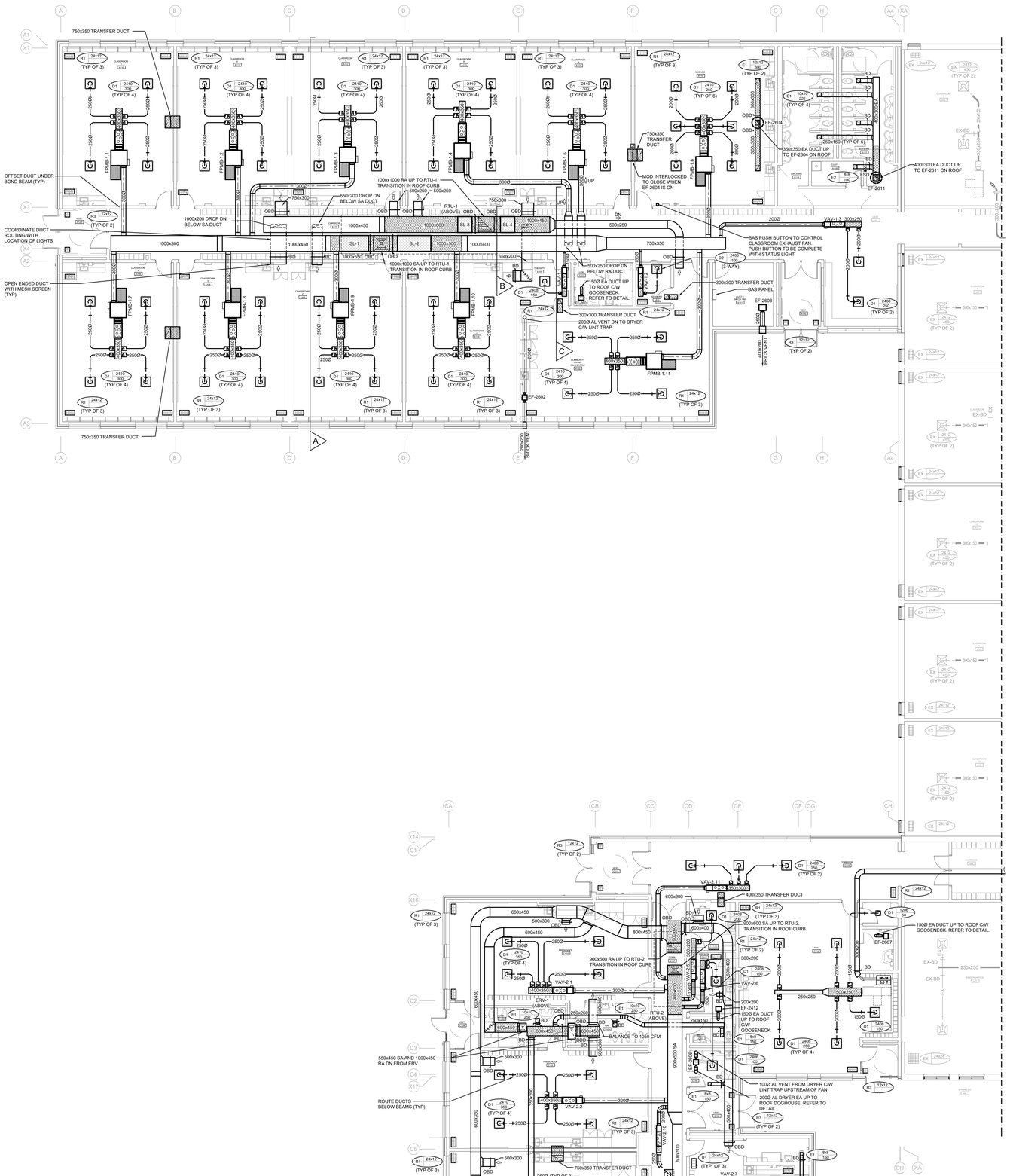
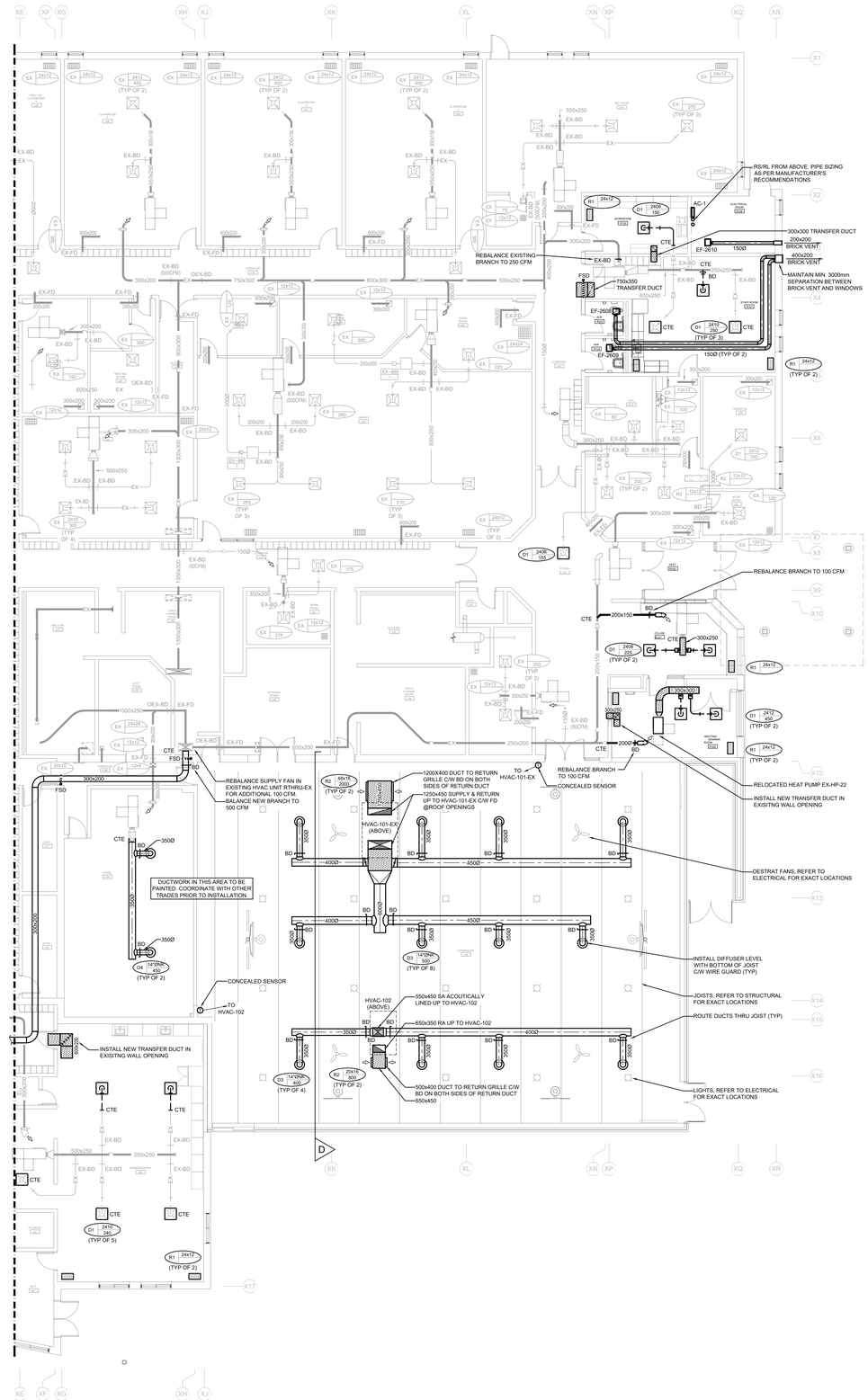
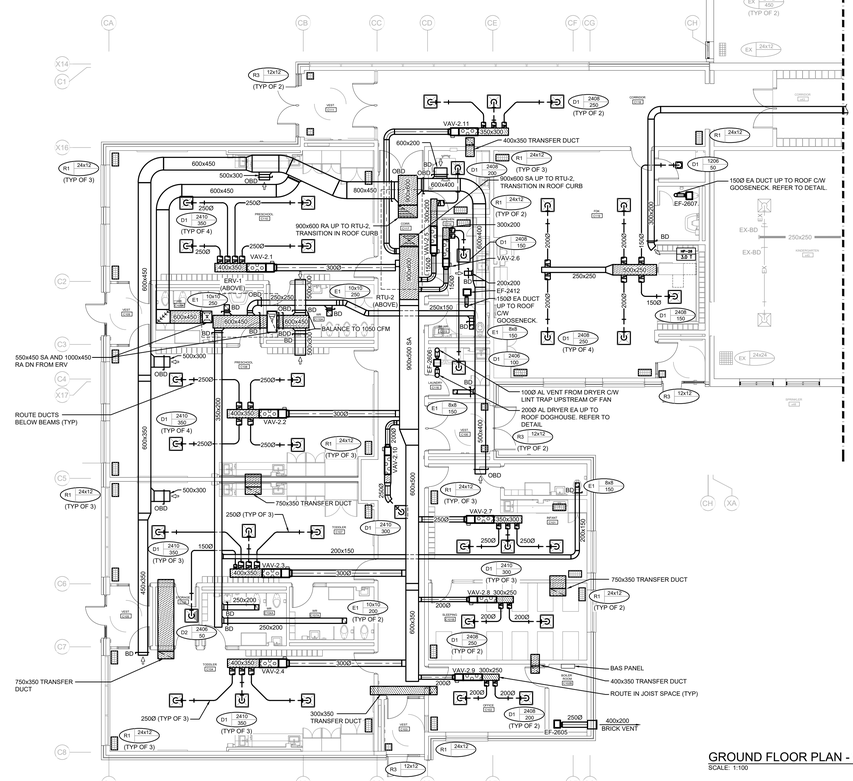






GROUND FLOOR PLAN - VENTILATION RENOVATION

SCALE: 1:100

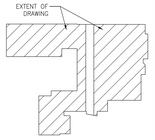
GENERAL VENTILATION NOTES

- REFER TO 400 SERIES DRAWINGS FOR THERMOSTAT / SENSORS NOT INDICATED ON THIS DRAWING.
- REFER TO ARCHITECTURAL CEILING PLANS FOR EXACT GRILLE / DIFFUSER LOCATIONS. COORDINATE FINAL LOCATION ON SITE.
- WHERE DUCTWORK PENTETRATES CORRIDOR WALL, CENTER DUCTS BETWEEN OWSJ.
- PROVIDE MINIMUM 3 DUCT DIAMETERS OF STRAIGHT DUCT TO VAV BOXES.

GENERAL RENOVATION NOTES

- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTION ± 10'-0" IN EACH DIRECTION.

THIS WORK FOR THIS PROJECT SHALL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.



KEY PLAN

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519 772 3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION GROUND FLOOR PLAN VENTILATION

HOSSACK & ASSOCIATES ARCHITECTS
4-2755 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-6266 Fax (905) 607-6280

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M602
CHECKED: MW	
PRINT DATE: 5/5/2026 11:38 AM	
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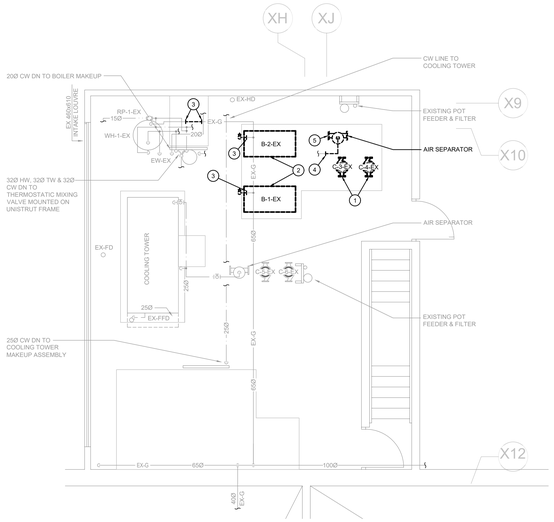
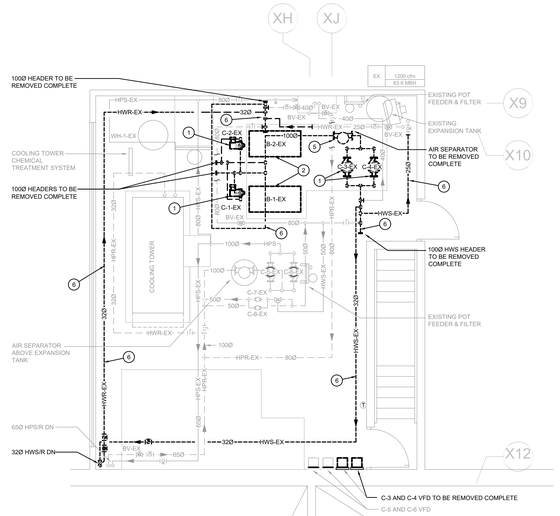


MECH PENTHOUSE DEMO PLAN - PLUMBING & DRAINAGE
SCALE: 1:50



MECH PENTHOUSE DEMO PLAN - HYDRONICS
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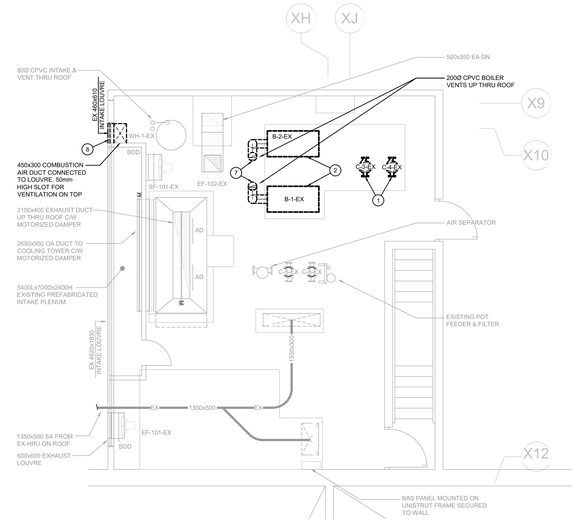
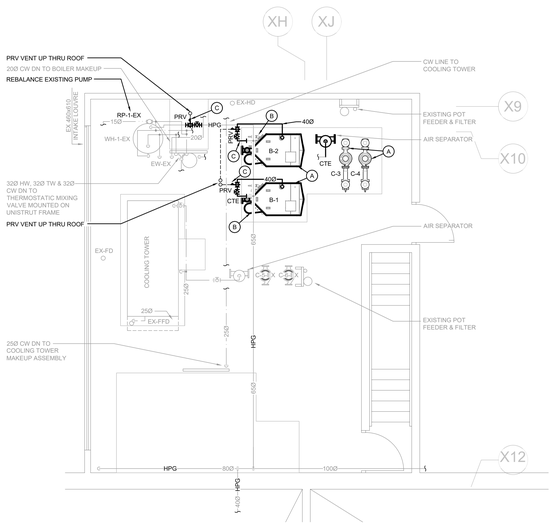


MECH PENTHOUSE DEMO PLAN - VENTILATION
SCALE: 1:50



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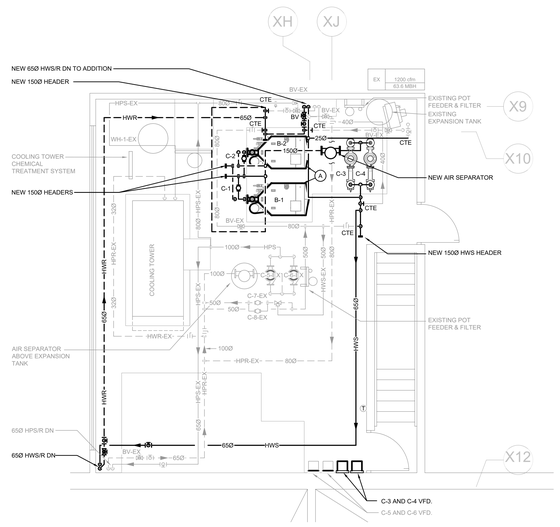

MECH PENTHOUSE RENO PLAN - HYDRONICS
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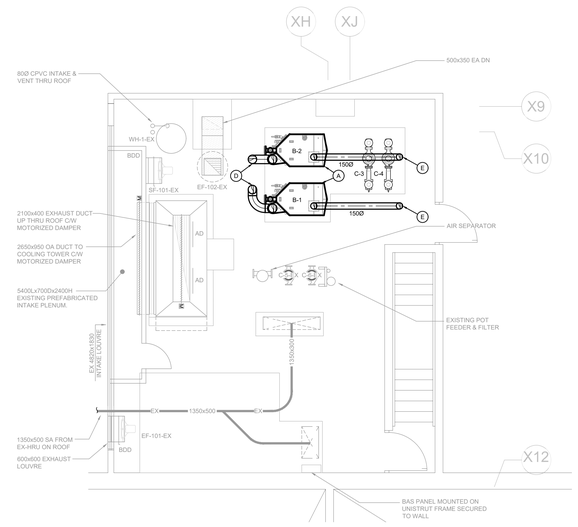

MECH PENTHOUSE RENO PLAN - VENTILATION
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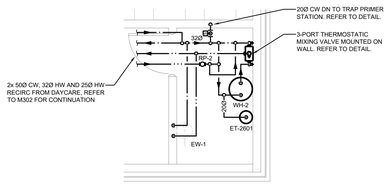

BOILER ROOM PART PLAN - PLUMBING
SCALE: 1:50

GENERAL DEMOLITION NOTES

A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.

B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.

C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.

D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.

E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.

F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.

G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.

H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

1. EXISTING PUMPS TO BE REMOVED COMPLETE.
2. EXISTING BOILERS TO BE REMOVED COMPLETE.
3. CUT EXISTING GAS PIPING AND REMOVE BEYOND COMPLETE. PREPARE FOR NEW CONNECTION.
4. CUT EXISTING CW PIPING AND REMOVE BEYOND COMPLETE. PREPARE FOR NEW CONNECTION.
5. EXISTING AIR SEPARATOR TO BE REMOVED COMPLETE.
6. REMOVE COMPLETE EXISTING HWS/R PIPING.
7. REMOVE COMPLETE EXISTING BOILER EXHAUST FLUE. MODIFY ROOF OPENING AS REQUIRED FOR RE-USE.
8. REMOVE COMPLETE EXISTING COMBUSTION AIR INTAKE LOUVRE AND DUCTWORK. PATCH AND MAKE GOOD THE ROOF.

THIS WORK FOR THIS PROJECT SHAL BE CONSTRUCTED IN PHASES. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING INFORMATION AND DETAILS. MISINTERPRETATION OF THE DRAWINGS WITH RESPECT TO THE EXTENT OF THE PHASING OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE WORK REQUIRED TO COMPLETE THE ENTIRE CONTRACT.

GENERAL BOILER INSTALLATION NOTES

1. BOILER DRAIN: PROVIDE HOSE CONNECTION.
2. PRESSURE RELIEFS ARE TO BE PIPED TO EDGE OF LOCAL FUNNEL DRAIN 1/2 IN / 1/2 OUT AT FUNNEL RIM.
3. ALL PIPING RUN ALONG THE FLOOR (CONDENSATE, DRAINS, ETC) IS TO BE CRADLED WITH CONTINUOUS UNISTRUT.
4. SHUT-OFF SWITCH (E-STOP) FOR BOILERS IS LOCATED AT BOILER ROOM ENTRANCE. COORDINATE WITH ELECTRICIAN TO TIE IN ALL BOILERS. PROVIDE LAMACOID LABEL.
5. ALL BOILERS ARE TO BE PROVIDED WITH LWCO AUTORESET SO BOILER(S) WILL RESTART ON ITS OWN AFTER A POWER OUTAGE.
6. ALL REDUNDANT OR ABANDONED COMPRESSED AIR CONTROL TUBING IS TO BE REMOVED COMPLETE.
7. HYDRONIC PIPE INSULATION: DO NOT INSULATE UNIONS, VALVES, END OF WYE STRAINER, AND OTHER DEVICES REQUIRING SERVICE.
8. BOILER & FLOOR MOUNTED PUMP SERVICE VALVES ARE TO BE LOCATED WITHIN 6 FT OF FLOOR.
9. ALL SERVICEABLE DEVICES MOUNTED IN PIPING AT CEILING LEVEL ARE TO BE LOCATED WHERE SERVICEABLE WITH A LADDER.
10. TEMPORARY FILTERS ARE TO BE INSTALLED IN STRAINERS DURING CONSTRUCTION PERIOD AND FLUSHING AND CLEANING. FINAL STRAINER FILTERS TO BE INSTALLED AT PROJECT TURNOVER TO OWNER.
11. BOILERS ARE TO BE PROVIDED WITH LOCAL SWITCH (MANUAL / BAS) INSIDE ITS COVER TO BYPASS BAS OPERATION AND HAVE THE BOILER OPERATE IN MANUAL MODE.

SPECIFIC RENOVATION NOTES

A. NEW BOILER / PUMP TO BE INSTALLED ON EXISTING HOUSEKEEPING PAD.

B. ROUTE BOILER CD THROUGH CONDENSATE NEUTRALIZER TO NEAREST FFD-EX.

C. INSTALL NEW PRV AND ISOLATION VALVE ON GAS LINE. VENT THROUGH ROOF AND TERMINATE. MAINTAIN MINIMUM 10'-0" OF DISTANCE BETWEEN EQUIPMENT CONNECTION AND PRV.

D. 200Ø FLUE VENT UP TO ROOF THROUGH EXISTING ROOF OPENINGS. TERMINATE AS PER MANUFACTURER'S RECOMMENDATIONS. FLUE VENT TO BE DOUBLE WALL, PREINSULATED ULC LISTED.

E. 150Ø COMBUSTION AIR INTAKE FROM ROOF, TERMINATE AS PER MANUFACTUER'S RECOMMENDATIONS.

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DEI Consulting Engineers
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Phone: 519 772 3555
Website: deiassociates.ca
Project Number: 25633

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100100901
PROVINCE OF ONTARIO

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540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

MECHANICAL ROOM DEMOLITION AND RENOVATION

HOSSACK & ASSOCIATES ARCHITECTS
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Tel (905) 607-6264 Fax (905) 607-6290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M701
CHECKED: MW	
PRINT DATE:	5/5/2026 11:38 AM
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GENERAL DEMOLITION NOTES

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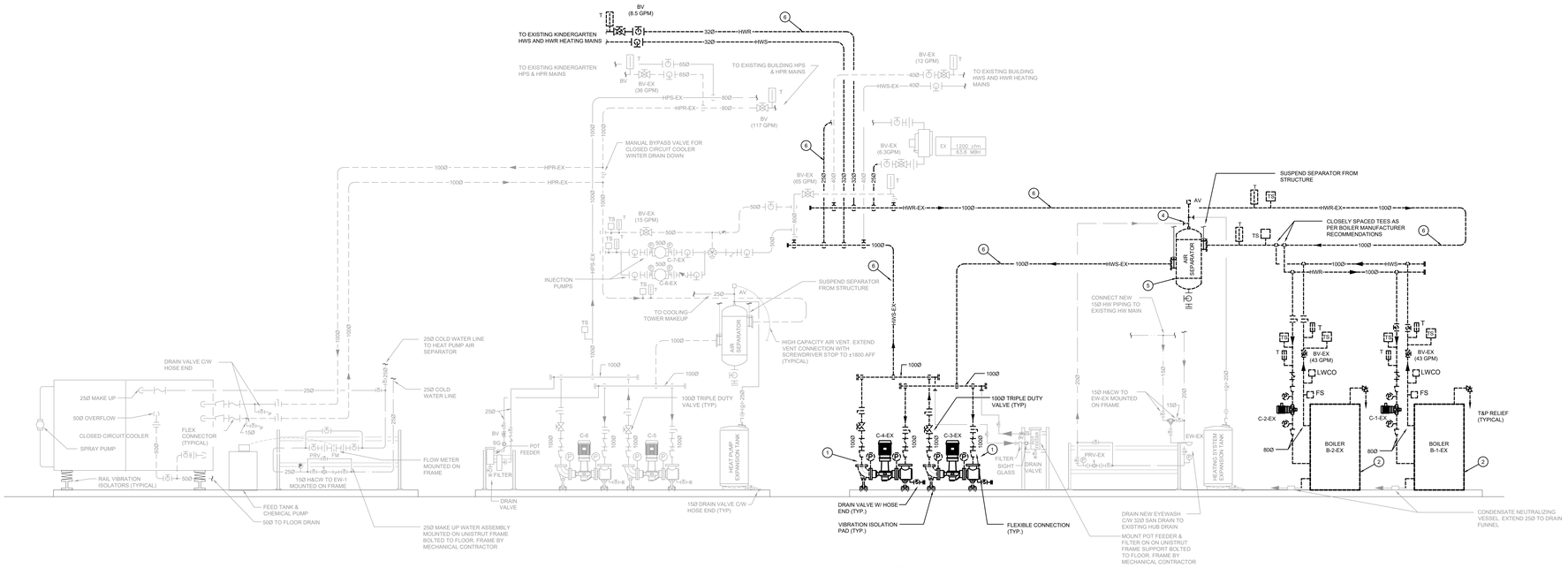
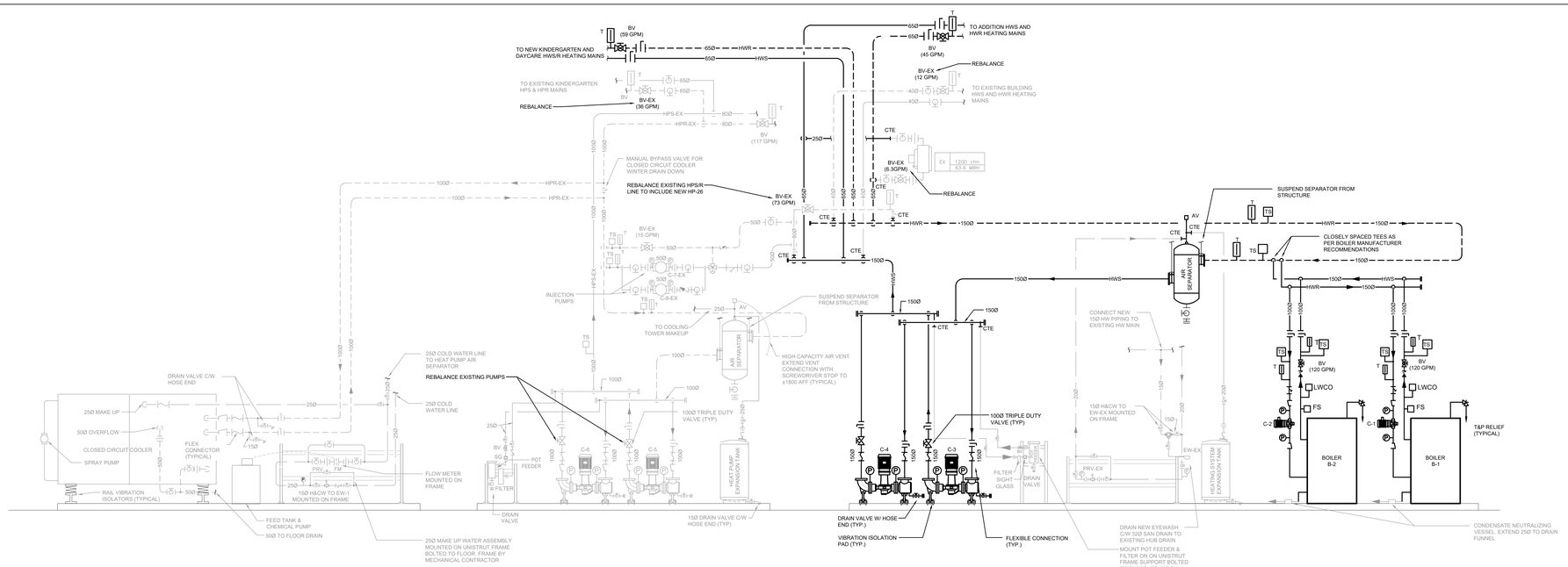
I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

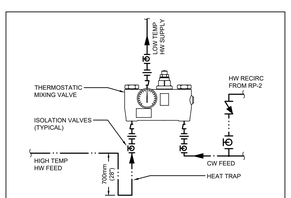
1. EXISTING PUMPS TO BE REMOVED COMPLETE.
2. EXISTING BOILERS TO BE REMOVED COMPLETE.
3. NOT USED.
4. CUT EXISTING CW PIPING AND REMOVE BEYOND COMPLETE. PREPARE FOR NEW CONNECTION.
5. EXISTING AIR SEPARATOR TO BE REMOVED COMPLETE.
6. REMOVE COMPLETE EXISTING HWS/R PIPING.



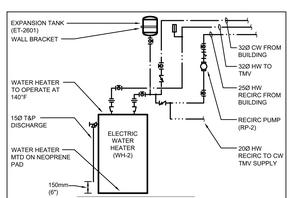
MECHANICAL ROOM PIPING SCHEMATIC DEMOLITION
SCALE: NTS



MECHANICAL ROOM PIPING SCHEMATIC RENOVATION
SCALE: NTS



THERMOSTATIC MIXING VALVE INSTALLATION



ELECTRIC WATER HEATER

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Phone: 519-215-3555
Website: deiassociates.ca
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NO	ISSUED	DATE
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LICENSED PROFESSIONAL ENGINEER
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HALTON CATHOLIC DISTRICT SCHOOL BOARD

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HOSSACK & ASSOCIATES ARCHITECTS
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SCALE: As indicated	PROJECT: 25106
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PRINT DATE	5/5/2026 11:38 AM
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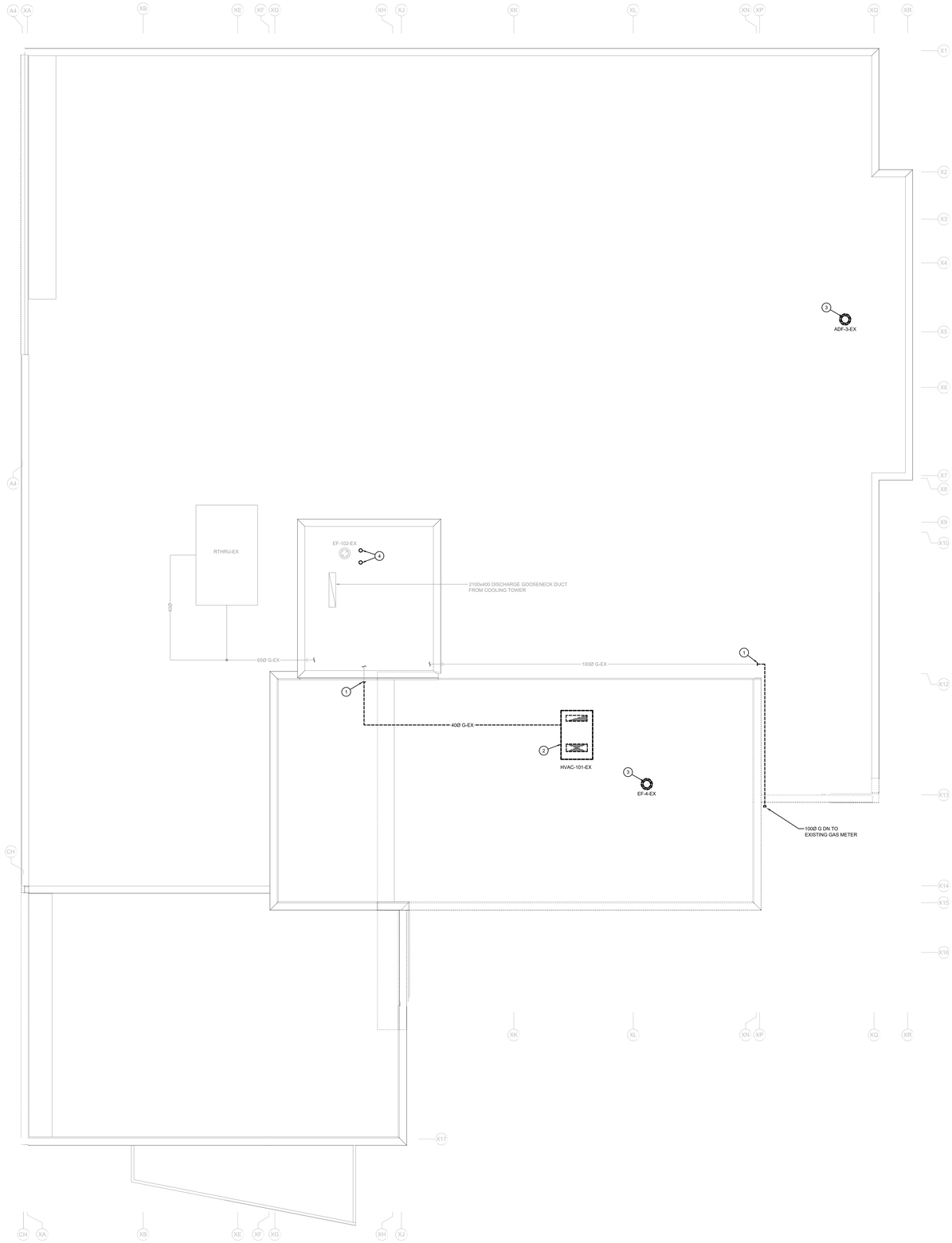

ROOF PLAN - DEMOLITION
SCALE: 1:100

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SPECIFIC DEMOLITION NOTES

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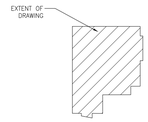
2. REMOVE EXISTING ROOFTOP UNIT AND STORE SAFELY FOR RE-INSTALLATION ON NEW ROOF.
3. REMOVE COMPLETE EXISTING EXHAUST FAN. PATCH AND MAKE GOOD THE ROOF.
4. REMOVE COMPLETE EXISTING BOILER VENTS. MODIFY ROOF OPENING AS REQUIRED FOR RE-USE



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HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

DEMOLITION ROOF PLAN MECHANICAL

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SCALE: As indicated	PROJECT: 25106
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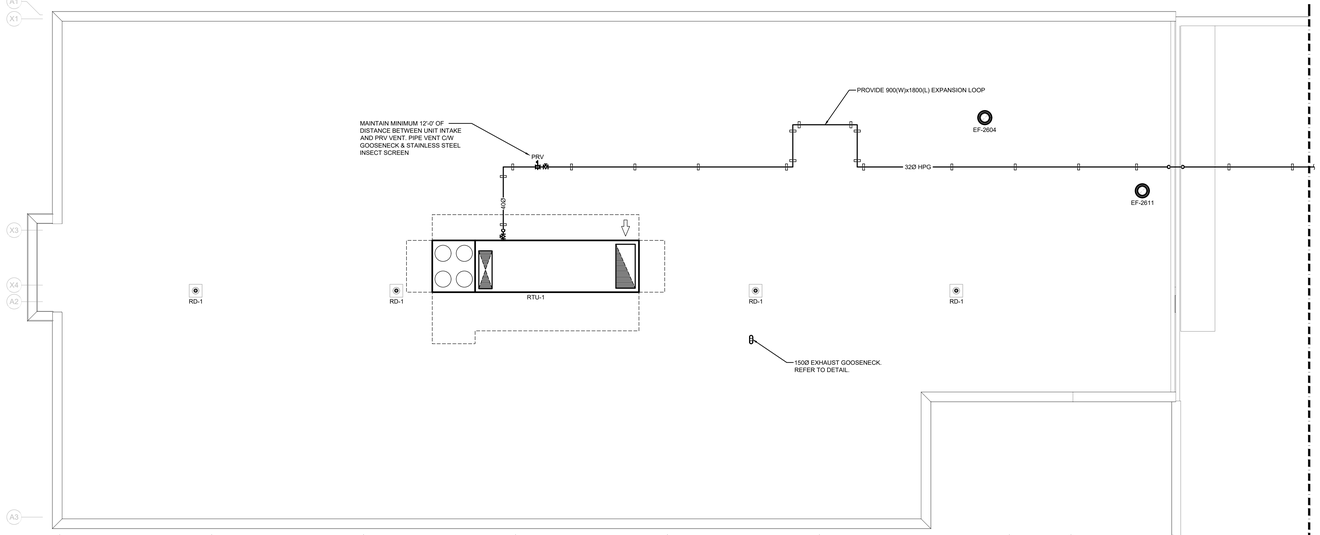

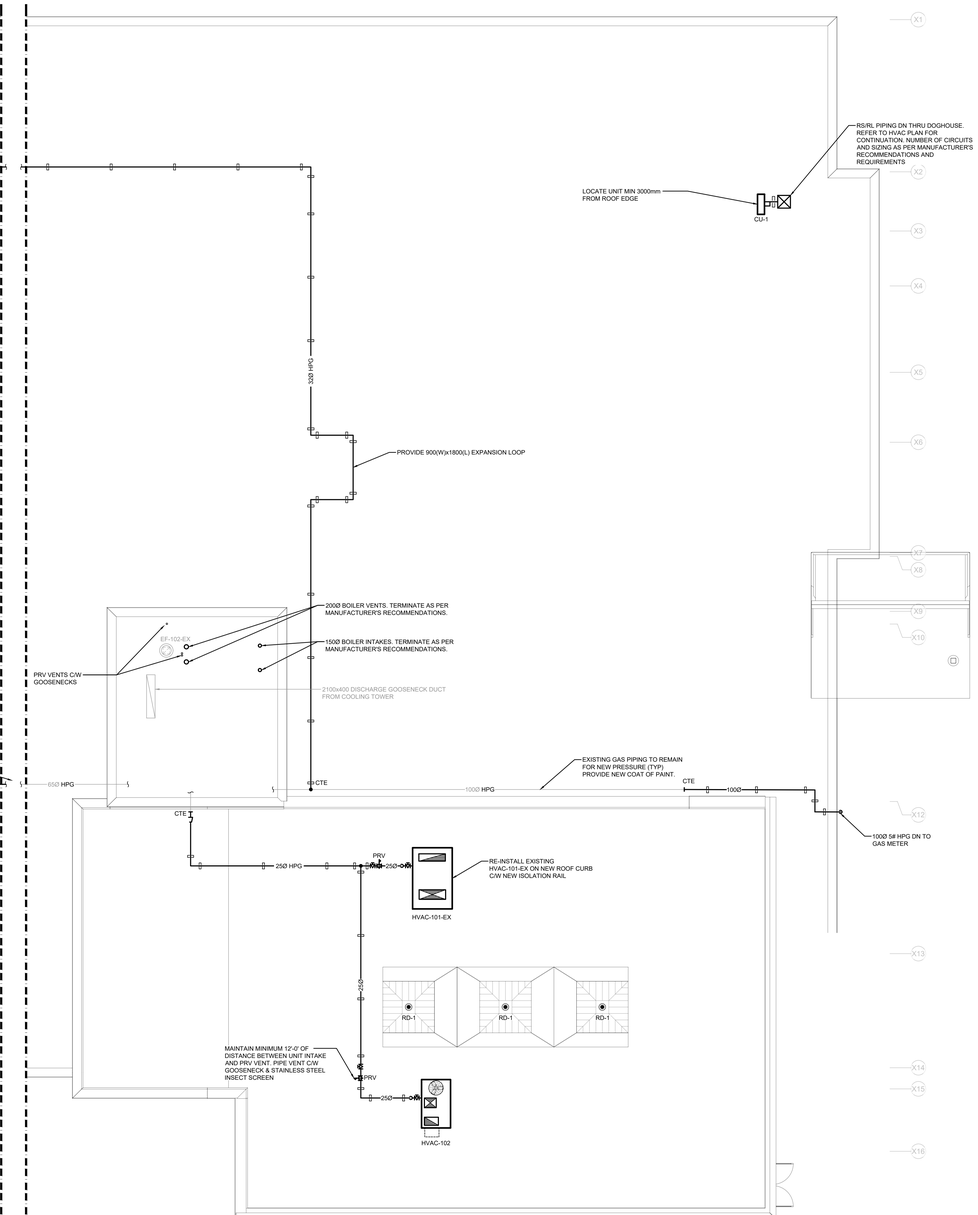

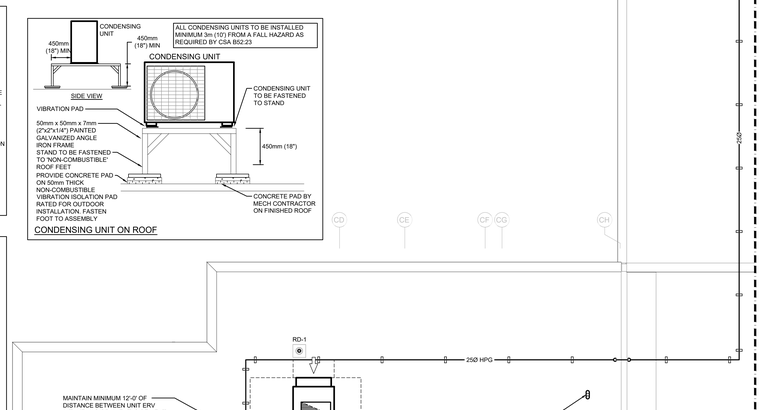

ROOF PLAN - RENOVATION
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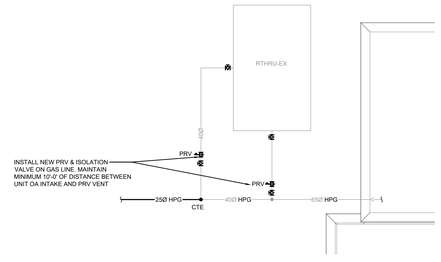

ROOF PART PLAN - RENOVATION
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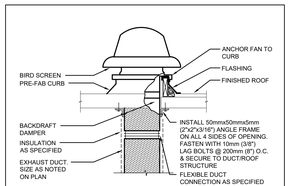
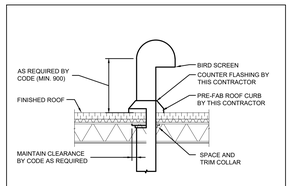
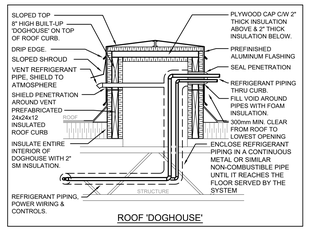


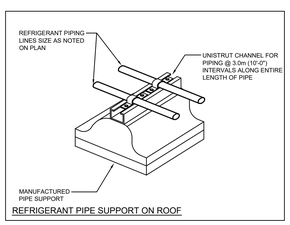
EXHAUST FAN ON ROOF



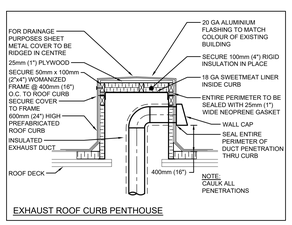
EXHAUST GOOSENECK DETAIL



ROOF 'DOGHOUSE'

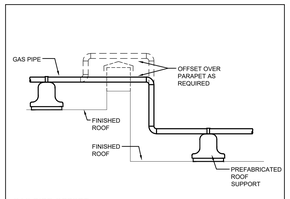


REFRIGERANT PIPE SUPPORT ON ROOF

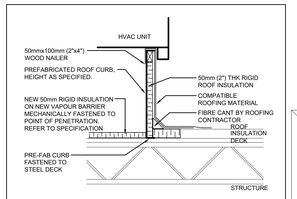


EXHAUST ROOF CURB PENTHOUSE

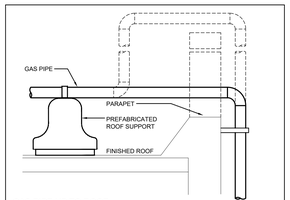
CONDENSING UNIT ON ROOF



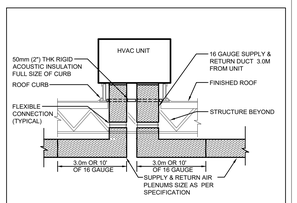
GAS PIPE OFFSET



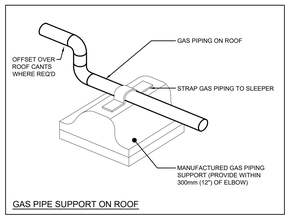
HVAC UNIT ROOF CURB (RUT-1 & RTU-2)



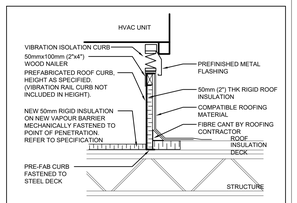
GAS PIPE UP TO ROOF



DUCTWORK GAUGE FROM HVAC UNIT



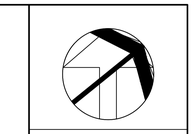
GAS PIPE SUPPORT ON ROOF

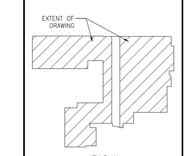


MECHANICAL UNIT ROOF CURB W/ISOLATION CURB

GENERAL ROOF NOTES

- MAINTAIN MINIMUM 4200mm (14'-0") LATERAL DISTANCE BETWEEN SANITARY AND / OR PRV VENTS AND ALL AIR INTAKE OPENINGS.
- REFER TO STRUCTURAL FOR EXACT RTU LOCATIONS.





KEY PLAN

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.
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 3T8
Phone: 519 725 3555
Website: deiassociates.ca
Project Number: 25639

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M. B. WHITE
100100031
PROVINCE OF ONTARIO

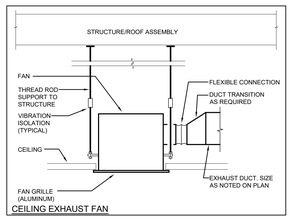
OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

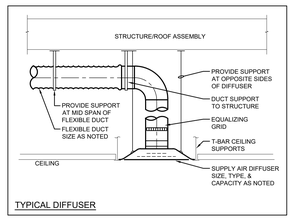
RENOVATION
ROOF PLAN
MECHANICAL

HOSSACK & ASSOCIATES ARCHITECTS
4-2163 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 3W6
Tel (905) 607-6264 Fax (905) 607-6290

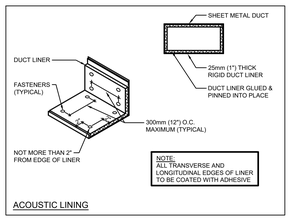
SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: DF	DRAWING: M802
CHECKED: MW	
PRINT DATE: 5/5/2026 11:38 AM	
REVIT FILE	



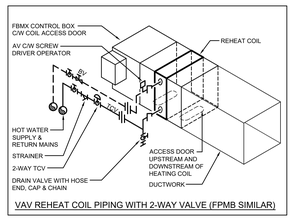
CEILING EXHAUST FAN



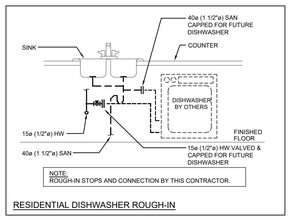
TYPICAL DIFFUSER



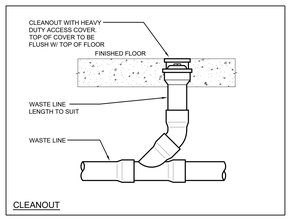
ACOUSTIC LINING



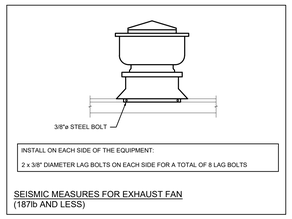
VAV REHEAT COIL PIPING WITH 2-WAY VALVE (FPMB SIMILAR)



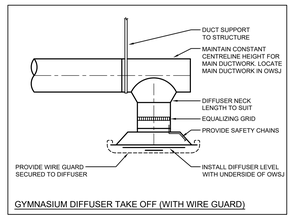
RESIDENTIAL DISHWASHER ROUGH-IN



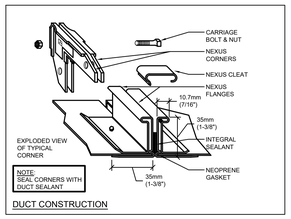
CLEANOUT



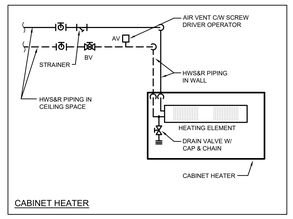
SEISMIC MEASURES FOR EXHAUST FAN (187lb AND LESS)



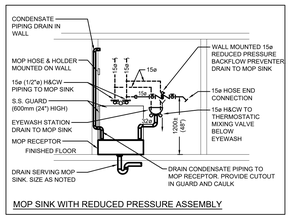
GYMNASIUM DIFFUSER TAKE OFF (WITH WIRE GUARD)



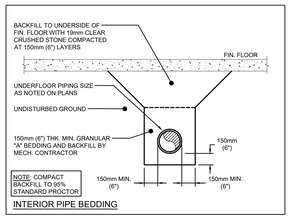
DUCT CONSTRUCTION



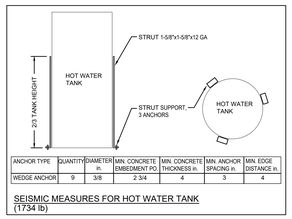
CABINET HEATER



MOP SINK WITH REDUCED PRESSURE ASSEMBLY

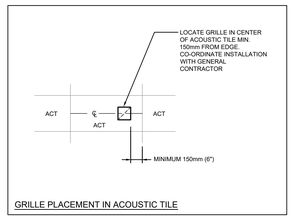


INTERIOR PIPE BEDDING

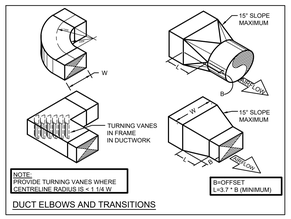


ANCHOR TYPE	QUANTITY	DIAMETER in.	MIN. CONCRETE EMBEDMENT PO	MIN. CONCRETE THICKNESS in.	MIN. ANCHOR SPACING in.	MIN. EDGE DISTANCE in.
WEDGE ANCHOR	9	3/8	2 3/4	4	3	4

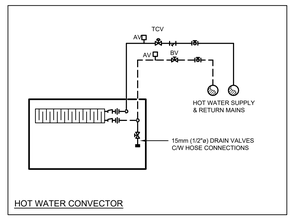
SEISMIC MEASURES FOR HOT WATER TANK (1734 lb)



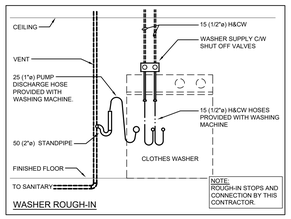
GRILLE PLACEMENT IN ACOUSTIC TILE



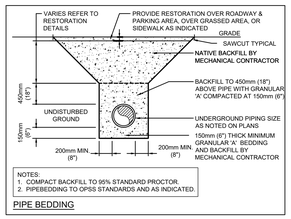
DUCT ELBOWS AND TRANSITIONS



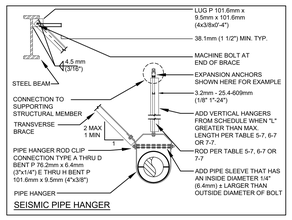
HOT WATER CONVECTOR



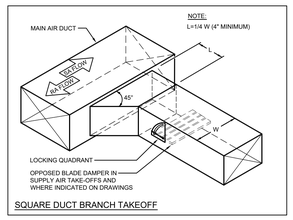
WASHER ROUGH-IN



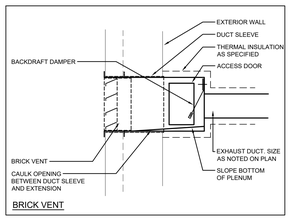
PIPE BEDDING



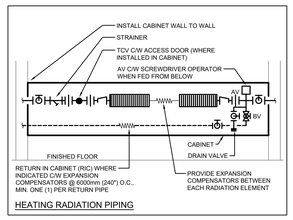
SEISMIC PIPE HANGER



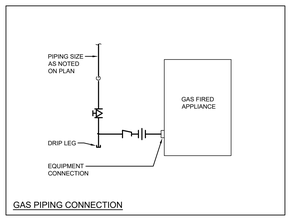
SQUARE DUCT BRANCH TAKEOFF



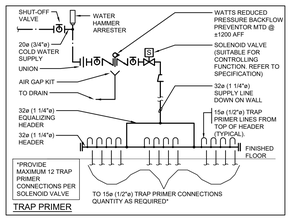
BRICK VENT



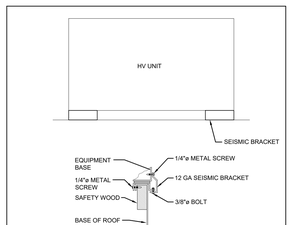
HEATING RADIATION PIPING



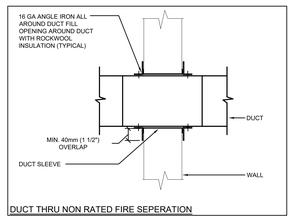
GAS PIPING CONNECTION



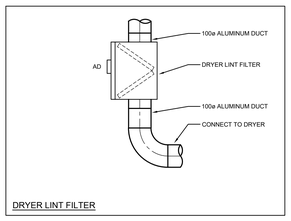
TRAP PRIMER



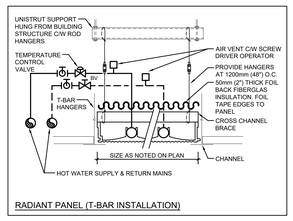
HV UNIT SEISMIC BRACKETS



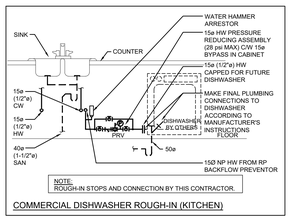
DUCT THRU NON RATED FIRE SEPERATION



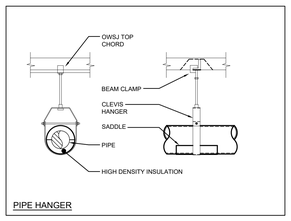
DRYER LINT FILTER



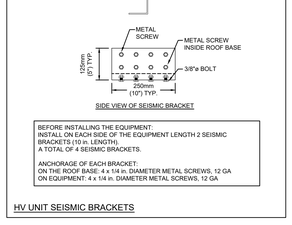
RADIANT PANEL (T-BAR INSTALLATION)



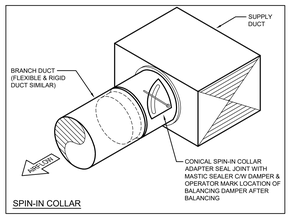
COMMERCIAL DISHWASHER ROUGH-IN (KITCHEN)



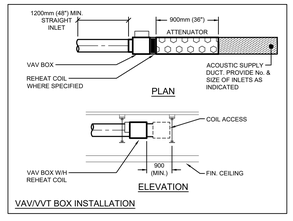
PIPE HANGER



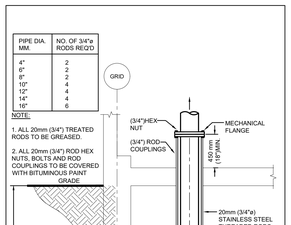
FIRE DAMPER INSTALLATION (TYPE 'B')



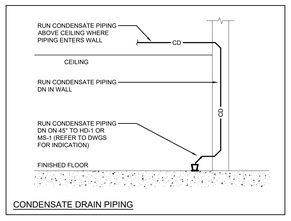
SPIN-IN COLLAR



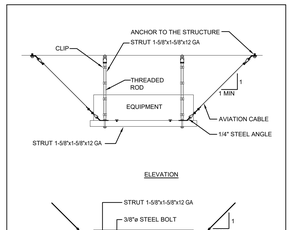
VAV/VVT BOX INSTALLATION



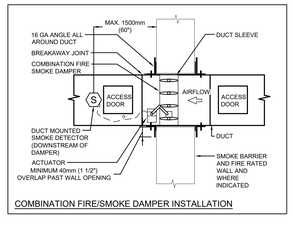
UNDERGROUND CONNECTIONS TO WATERMAIN



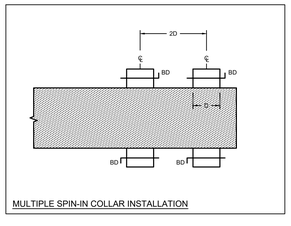
CONDENSATE DRAIN PIPING



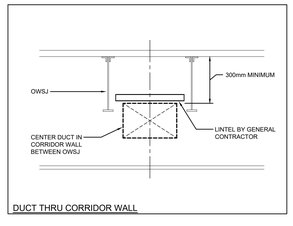
BRACING METHODS FOR SUSPENDED FANS



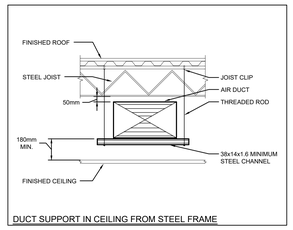
COMBINATION FIRE/SMOKE DAMPER INSTALLATION



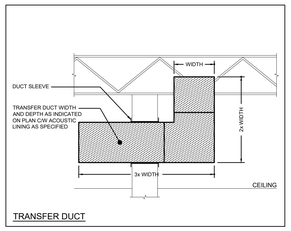
MULTIPLE SPIN-IN COLLAR INSTALLATION



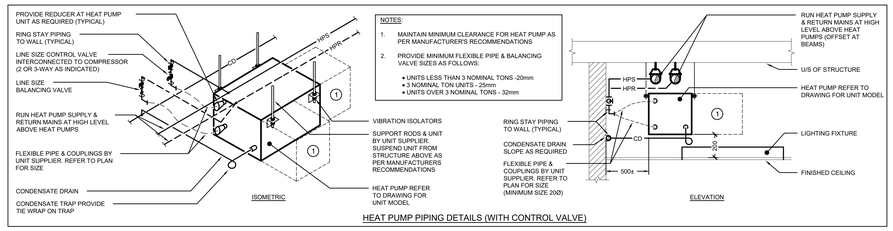
DUCT THRU CORRIDOR WALL



DUCT SUPPORT IN CEILING FROM STEEL FRAME



TRANSFER DUCT



HEAT PUMP PIPING DETAILS (WITH CONTROL VALVE)

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DEI Consulting Engineers
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Phone: 519-745-3555
Website: deiassociates.ca
Project Number: 25433

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

LICENSED PROFESSIONAL ENGINEER
05 May 26
M.B. WHITE
100100218
PROVINCE OF ONTARIO

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON, L9T 3R3

HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

DETAILS

HOSSACK & ASSOCIATES ARCHITECTS
4-2132 DUNKIN DRIVE
MISSISSAUGA, ONTARIO, L5L 1E8
Tel (905) 607-6284 Fax (905) 607-6250

SCALE As indicated	PROJECT 25106
DATE MAY 2026	
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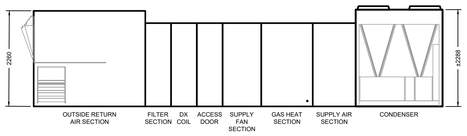

RTU-1 SIDE VIEW
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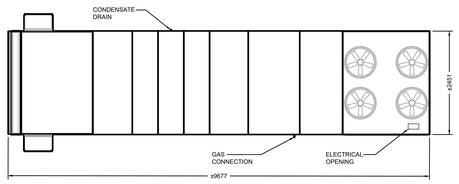

RTU-1 TOP VIEW
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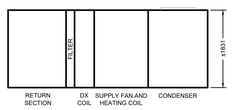

RTU-2 SIDE VIEW
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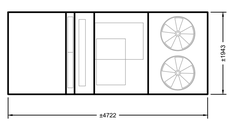

RTU-2 TOP VIEW
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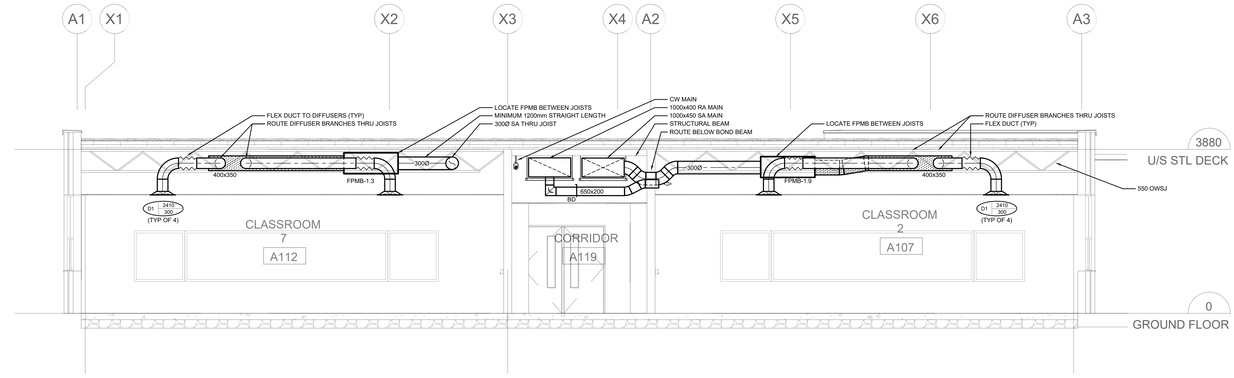
UNIT DETAILS



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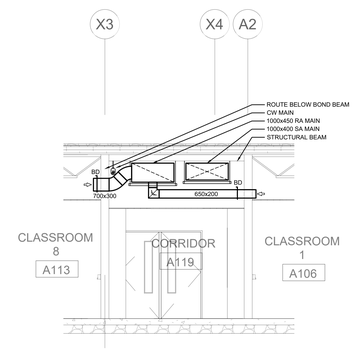

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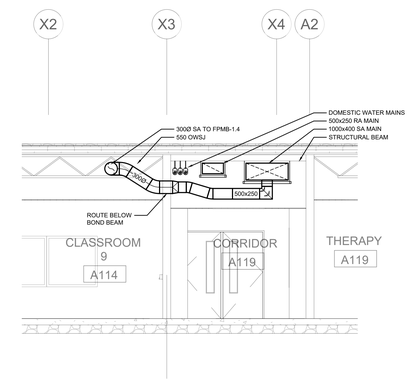

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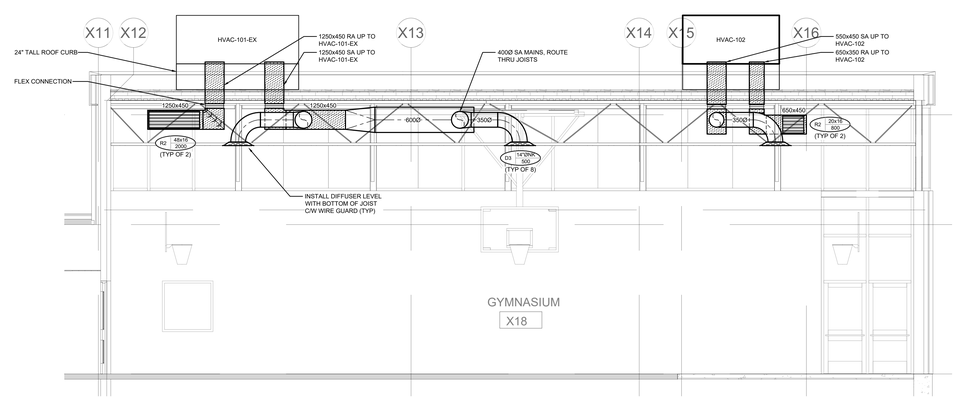

SECTION D
SCALE: 1:50

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Project Number: 25639

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HALTON CATHOLIC DISTRICT SCHOOL BOARD
CDSB

MECHANICAL SECTIONS

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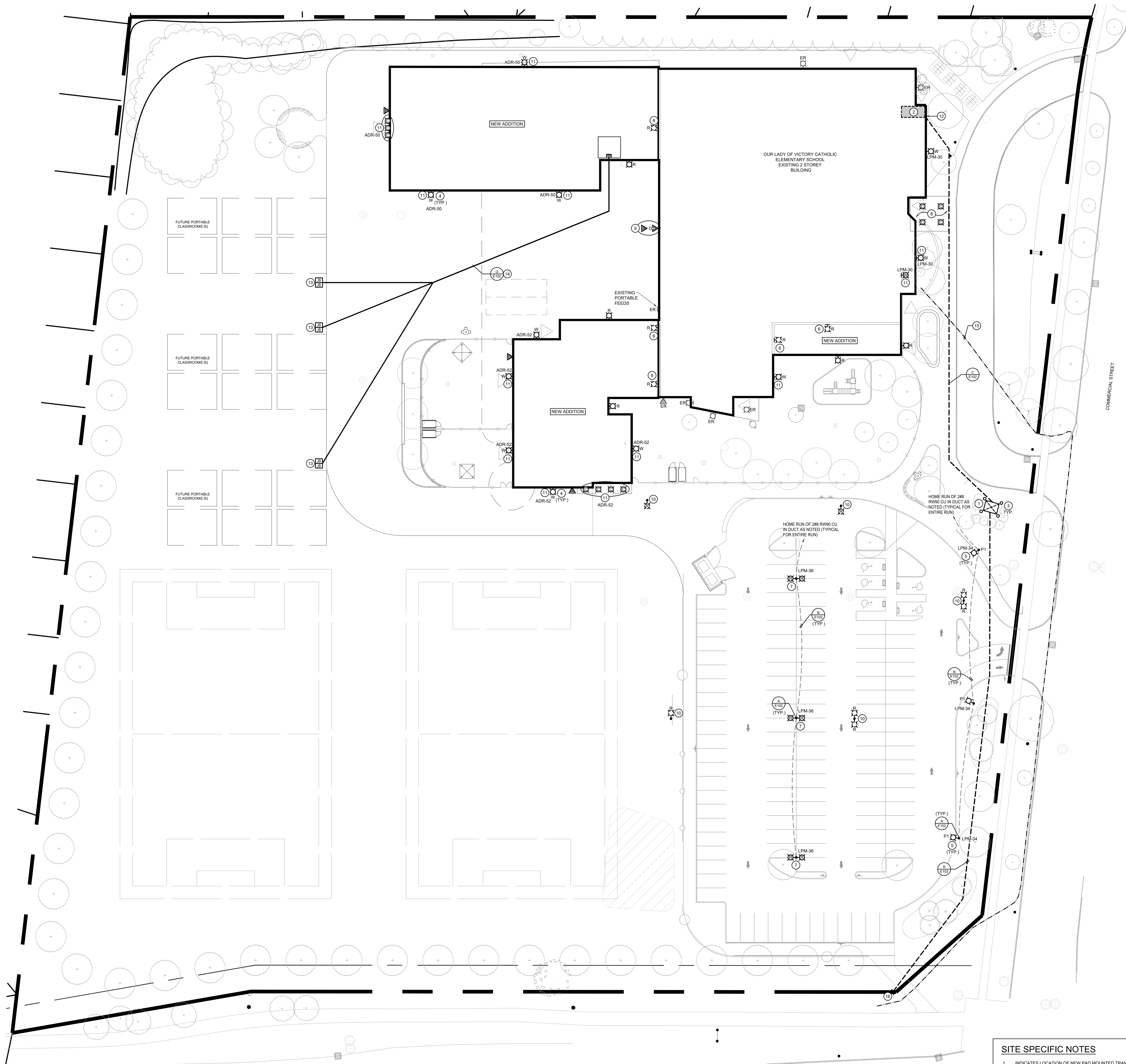

OVERALL SITE PLAN

SCALE: 1:300

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

LIGHTING

Symbol	Description
X	LIGHT FIXTURE TYPE AS INDICATED
X	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)
EM-X DC-X X-X	COMBINATION EMERGENCY/EXIT TYPE AS INDICATED (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED
	POLE MOUNTED LIGHT FIXTURE
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE
	TWIN EMERGENCY LIGHTING FIXTURE
	RECESSED REMOTE EMERGENCY FIXTURES
BU	CEILING RECESSED BATTERY UNIT C/W INTEGRAL EMERGENCY FIXTURES
EM-X DC-X X-X BU	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)
$	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
$ DM/OS	OCCUPANCY SENSOR C/W DIMMING AND NETWORKING
OSD/OSR $	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY
OS	CEILING MOUNTED MOTION SENSOR
WOS	WALL MOUNTED MOTION SENSOR
DR	DIGITAL ROOM CONTROLLER
PC	PHOTOCELL
XB	DIGITAL WALL STATION, 'X' DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG.
NB	LIGHTING NETWORK BRIDGE
EM	EMERGENCY LIGHTING RELAY
IO	LIGHTING INPUT/OUTPUT RELAY
PK	ANALOG POWER PACK

SAFE WELCOME DEVICES

Symbol	Description
M	MONITOR
PS	POWER SUPPLY
CSS	CALL SWITCH STATION

ACCESS CONTROL

Symbol	Description
ML	MAG LOCK
ES	ELECTRIC STRIKE. CONFIRM ROUGHIN WITH DOOR HARDWARE.
PTL	"PUSH-TO-LOCK" BUTTON
EM	EMERGENCY PUSH BUTTON STATION
DL	"ASSISTANCE REQUIRED" DOME LIGHT WITH SOUNDER
A	"ASSISTANCE REQUIRED" INDICATOR LIGHT WITH SOUNDER
CR	CARD/FOB READER ROUGH-IN AS A SINGLE GANG BOX AT 1100mm AFF C/W 13mmC TO ELECTRIC STRIKE IN ADJACENT DOOR FRAME. CONFIRM ROUGH-IN WITH DOOR HARDWARE.

GENERAL

Symbol	Description
ER	INDICATED EXISTING ITEM TO REMAIN
D	INDICATES EXISTING ITEM TO BE DELETED
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
WG	WIREGUARD
GF	GROUND FAULT
WP	WEATHERPROOF
IG	ISOLATED GROUND
SR	SURGE PROTECTED
TR	TAMPER RESISTANT
CLG	CEILING MOUNTED
X	NOTE INDICATOR
X	MECHANICAL ITEM NO.
A	OWNERS EQUIPMENT ITEM NO.
X	LIGHTING SEQUENCE

POWER

Symbol	Description
	WALL MOUNTED RECEPTACLE (15A-120V)
	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
	T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
S	RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V)
ST	STOVE RECEPTACLE
DR	DRYER RECEPTACLE
	SPECIAL RECEPTACLE
	QUAD RECEPTACLE
	WALL MOUNTED DUPLEX RECEPTACLE C/W TOP HALF SWITCHED (15A-120 VOLT)
	DIRECT CONNECTION
FB	FLOOR BOX C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)
JB	JUNCTION BOX
PB	PULLBOX
	PANEL AS INDICATED
	FUSED DISCONNECT
	UNFUSED DISCONNECT
L.S.I.G A.R.M.S.	CIRCUIT BREAKER OF SIZE AND FEATURES AS NOTED (L = LONG TIME, S = SHORT TIME, I = INSTANTANEOUS, G = GROUND FAULT) (A.R.M.S. = ARCFLASH REDUCTION MAINTENANCE SYSTEM)
VFD	VARIABLE FREQUENCY DRIVE
SPD	SURGE PROTECTION DEVICE. REFER TO SPECIFICATIONS.
DVR	DUAL VOLTAGE RELAY
	TIME CLOCK
	0-15 MINUTE INTERVAL TIMER
S	SPEED CONTROLLER
	MANUAL STARTER
	MAGNETIC STARTER
	COMBINATION MAGNETIC STARTER
	DESTRATIFICATION FAN
	SURFACE RACEWAY C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)
HD	HAND DRYER
	PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
C	CONTACTOR
	MOTOR CONNECTION
PP	POWER POLE
T RA	THERMOSTAT (RA=REVERSE ACTING)
	SOLENOID VALVE
CS	CURRENT SENSOR
	TRANSFORMER

SECURITY

Symbol	Description
	SECURITY DETECTOR (SURFACE MOUNTED)
S	SECURITY SIREN (INSTALL 2400mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
KP	SECURITY KEYPAD (INSTALL 1100mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
DC	DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL)
TSEN	LOW TEMPERATURE SENSOR. ROUGHIN AS A SINGLE GANG BOX MOUNTED HORIZONTALLY AT 150mm BELOW FINISHED CEILING LEVEL.
SJB	SECURITY JUNCTION BOX 150mm (6") SQUARE C/W COVER
C	CEILING MOUNTED CAMERA
CPS	CAMERA POWER SUPPLY
MSCP	MAIN SECURITY CONTROL PANEL
ZEP	ZONE EXPANSION PANEL. REFER TO INSTALLATION DETAIL.
HO	HOLD-UP/PANIC PUSHBUTTON C/W 13mmC TO NEAREST SECURITY JUNCTION BOX.

FIRE ALARM

Symbol	Description
	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
	HEAT DETECTOR (135 DEGREE FIXED TEMPERATURE)
	HEAT DETECTOR (194 DEGREE FIXED TEMPERATURE)
	HEAT DETECTOR (195 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
S	DUCT TYPE SMOKE DETECTOR
S	SMOKE DETECTOR (RL=RELAY BASE)
SA CO	SMOKE ALARM C/W BATTERY BACK UP AND INTEGRAL STROBE LIGHT (CO INDICATES 3 IN 1 CARBON MONOXIDE/STROBE/SMOKE ALARM)
CO	CARBON MONOXIDE DETECTOR C/W BATTERY BACK UP
	PULLSTATION
AV	ALARM VALVE
PS	PRESSURE SWITCH
SV	SUPERVISED VALVE
FS	FLOW SWITCH
	ALARM BELL
	ALARM HORN
	ALARM STROBE
	COMBINATION HORN/STROBE
EOL	END-OF-LINE RESISTOR
DH	DOOR HOLD OPEN DEVICE
FSD	FIRE SMOKE DAMPER
H	FIREFIGHTER'S HANDSET

FIRE ALARM RISER

Symbol	Description
SV	SUPERVISED VALVE
FS	FLOW SWITCH
MM	MONITORING MODULE
RM	RELAY MODULE
CM	CONTROL MODULE

COMMUNICATIONS

Symbol	Description
#	SINGLE WALL MOUNTED TELEPHONE OUTLET C/W ½" (13mm) C TO CABLE MANAGEMENT SYSTEM.
	SINGLE COMPUTER OUTLET C/W ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM.
## VOICE DATA	COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM. # INDICATES THE QUANTITY OF ACTIVE PARTS. LEFT VALUE ALWAYS INDICATES VOICE.
WAP	WIRELESS ACCESS POINT. PROVIDE ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM
	CLOCK AS PER SPECIFICATIONS
TV	TELEVISION OUTLET C/W 1"C (27mm) TO CABLE MANAGEMENT SYSTEM.
C	HANGER SYSTEM (REFER TO DETAILS)
	ADMINISTRATIVE CONTROL CONSOLE
	HANDSET (ND = NON-DIAL STYLE)
$ cs	P.A. CALL SWITCH
	WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)
	WALL MOUNTED SPEAKER C/W CALL-IN SWITCH
S	CEILING MOUNTED SPEAKER
P	PROGRAM BELL
	HORN SPEAKER
M	MICROPHONE OUTLET
	DOOR BELL
A	AUXILIARY ROUGH-IN FOR USE AS NOTED.
RE	REQUEST TO EXIT

ELECTRIC HEAT

Symbol	Description
X	BASEBOARD ELECTRIC HEATER (TYPE AS INDICATED)
X	FAN FORCED ELECTRIC HEATER (TYPE AS INDICATED)
X	UNIT HEATER (TYPE AS INDICATED)

STANDARD CIRCUIT LABELING

A-1-1
POWER PANEL LABEL
CIRCUIT INDICATION
SWITCH LEG (IF APPLICABLE)

SITE SPECIFIC NOTES

1 INDICATES LOCATION OF NEW PAD MOUNTED TRANSFORMER ON NEW CONCRETE BASE. REFER TO DETAILS E/E102.

2 INDICATES THE APPROXIMATE LOCATION OF NEW GROUND FLOOR MAIN ELECTRICAL ROOM. REFER TO FLOOR PLANS FOR EXACT LOCATION.

3 INDICATES REQUIRED PROTECTIVE BOLLARDS PER DETAIL F/E102.

4 INDICATED FIXTURE IS TO BE MOUNTED ON WALL. MOUNT AT 3353mm A.F.F. COORDINATE WITH ARCHITECTURAL ELEVATIONS.

5 INDICATES PARKING LOT FIXTURE MOUNTED ON CONCRETE POLE BASE AND SET BACK MIN. 1000MM FROM CURB OR SIDEWALK (WHERE APPLICABLE). REFER TO DETAIL A/E102.

6 INDICATES APPROXIMATE LOCATION(S) OF EXISTING LIGHTING FIXTURE(S) TO BE RELOCATED AS PER RENOVATION PLANS.

7 INDICATES RELOCATED EXISTING POLE FIXTURES TO BE MOUNTED ON NEW POLES AND NEW CONCRETE BASES AS PER DETAIL.

8 CONNECT TO LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REFER TO INTERIOR DEMOLITION PLANS FOR ADDITIONAL INFORMATION.

9 REPLACE EXISTING WALL SPEAKER WITH NEW. THIS WORK IS TO BE DONE BY THE HCDSB P.A. VENDER.

10 INDICATES APPROXIMATE LOCATION OF EXISTING EXTERIOR POLE LIGHTING FIXTURES. REWORK AND EXTEND EXISTING CIRCUITS TO SUIT NEW POLE LIGHTING LOCATIONS.

11 INDICATED FIXTURE(S) TO BE CONTROLLED WITH EXISTING EXTERIOR FIXTURES VIA CONTACTOR. PROVIDE NEW CONTACTOR AND CONNECT TO EXISTING INPUT IF EXISTING CONTACTOR IS FULL.

12 CONTRACTOR IS TO SAWCUT NEW SWITCHBOARD ROOM FLOOR TO ALLOW FOR INSTALLATION OF SECONDARY DUCTBANK. SCANNING/X-RAYS OF EXISTING FLOOR ARE TO BE COMPLETED PRIOR TO INSTALLATION. COORDINATE PENETRATIONS THROUGH FOUNDATION, HAND DIG AT EXTERIOR OF BUILDING. INCLUDE FOR DISPOSAL OF ALL REMOVED CONCERETE AND NEW CONCRETE AS REQUIRED.

13 PROVIDE UNDERGROUND PRECAST JUNCTION BOX FOR TERMINATION OF DUCTS AS SHOWN EQUAL TO ACTON PRECAST CAT. #B4834 C/W 2-PIECE GALVANIZED COVER AND FRAME. INSTALL MANHOLE ON 150mm GRANULAR 'B' BASE AND TERMINATE DUCTS AS NOTED C/W BELL ENDS. ENSURE COVER OF JUNCTION BOX IS INSTALLED FLUSH WITH SURFACE. CONFIRM EXACT LOCATION WITH OWNER'S REP/CONSULTANT PRIOR TO ROUGH-IN. REFER TO DETAIL W/E102 FOR FURTHER DETAILS.

14 INDICATES PROPOSED ROUTING OF PORTABLE DUCT BANK FROM MAIN ELECTRICAL ROOM TO PRECAST JUNCTION BOX INSTALLED BELOW GRADE FOR SERVICING OF FUTURE PORTABLES.

15 INDICATES APPROXIMATE LOCATION OF EXISTING PRIMARY DUCTBANK TO BE DISCONNECTED AND ABANDONED. REFER TO DISTRIBUTION RISER FOR ADDITIONAL INFORMATION.

16 INDICATES PRIMARY DUCTBANK TO PROPERTY LINE IN 4-DUCT CONFIGURATION PER UTILITY STANDARD.

ELECTRICAL SERVICE SCOPE OF WORK - UTILITY

MILTON HYDRO (UTILITY) WILL PROVIDE THE FOLLOWING WORK. COST WILL BE PART OF THE ALLOWANCE FOR UTILITY WORK AS LISTED IN THE SPECIFICATIONS:

H1 SUPPLY AND INSTALLATION OF PRIMARY FUSING AND PRIMARY CONDUCTORS.
H2 SUPPLY AND INSTALLATION OF PAD MOUNT TRANSFORMER.
H3 CONNECTION OF PRIMARY AND SECONDARY CONDUCTORS AT PAD MOUNT TRANSFORMER.
H4 SUPPLY AND INSTALLATION OF METERING INSTRUMENTATION.
H5 CONNECTION OF PRIMARY CONDUCTORS AT POINT OF SUPPLY.
H6 SUPPLY OF REMOTE METERING ANTENNA C/W MOUNTING BRACKET.
H7 SUPPLY AND TERMINATION OF COAX CABLE FOR CONNECTION FROM METER CABINET TO REMOTE METERING ANTENNA.

ELECTRICAL SERVICE SCOPE OF WORK - CONTRACTOR

THE ELECTRICAL CONTRACTOR FOR THE BUILDING OWNER (CUSTOMER) SHALL BE RESPONSIBLE FOR THE FOLLOWING:

C1 SUPPLY AND INSTALLATION OF PRIMARY DUCTBANK FROM TRANSFORMER TO PROPERTY LINE
C2 SUPPLY AND INSTALLATION OF SECONDARY DUCTBANK FROM TRANSFORMER TO MAIN SWITCHBOARD.
C3 SUPPLY AND INSTALLATION OF PAD MOUNT TRANSFORMER CONCRETE BASE AND GROUNDING.
C4 SUPPLY AND INSTALLATION OF SECONDARY CABLES AT MAIN SWITCHBOARD AND TRANSFORMER LUGS. PROVIDE 10'-0" (3000MM) SLACK CONDUCTORS AT TRANSFORMER BASE WITH BELL ENDS.
C5 SUPPLY AND INSTALLATION OF METER CABINET + VOICE LINE AND OUTLET PER PLANS AND TO SUIT UTILITY REQUIREMENTS.
C6 INSTALLATION OF SERVICE GROUND AT SWITCHBOARD PER ELECTRICAL CODE AND AS SHOWN. PROVIDE COORDINATION STUDY PER SPECIFICATIONS.
C7 ALL WORK SHALL MEET UTILITY REQUIREMENTS & INSPECTION. ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH UTILITY PRIOR TO PROCEEDING.
C8 SUPPLY AND INSTALLATION OF PROTECTIVE BOLLARDS AND GROUNDING AS PER DETAILS.
C9 ALL UNDERGROUND WORK WITHIN RIGHT OF WAY TO BE COMPLETED BY MILTON HYDRO APPROVED CONTRACTOR AT THIS CONTRACTORS EXPENSE. THIS CONTRACTOR TO COORDINATE WITH MILTON HYDRO PRIOR TO EXCAVATION, MILTON HYDRO APPROVED CONTRACTORS ARE AS FOLLOWS:
- AECON UTILITIES - BRAIN RIVERS - 416-423-4157
- AVERTEX - JASON KOTTELENBERG - 519-942-3030
- BETHLEHEM TRENCHING - ROB HOFSINK - 905-319-3003
- CON-ELCO - FRANK ROTINO - 416-798-7150
- KILE UTILITY CONTRACTORS - MIRE RADMAN - 905-726-9404
- ROBERT B. SOMERVILLE - STEVE FIFIELD - 905-833-3100
- TRANS POWER - KARL KARU - 905-660-9575
- TRENCH-CON LTD - MICHAEL PIETRANTONI - 905-961-0330
- NETWORK UNDERGROUND UTILITIES INC. - BLAIR BRADLEY - 519-220-8460

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Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario
05-05-2026

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD
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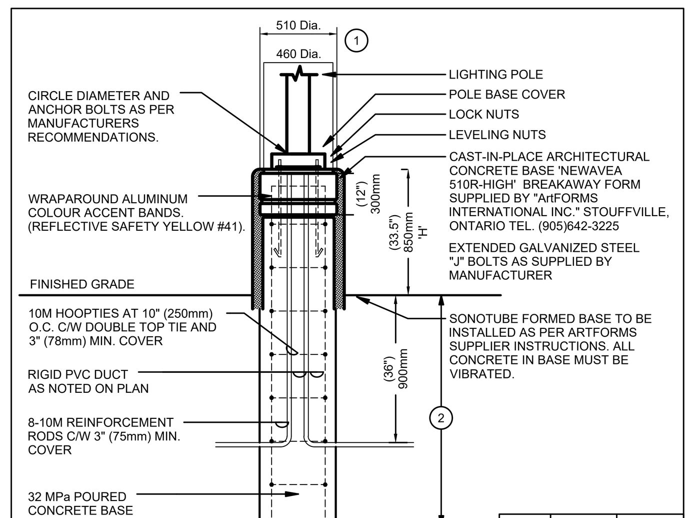
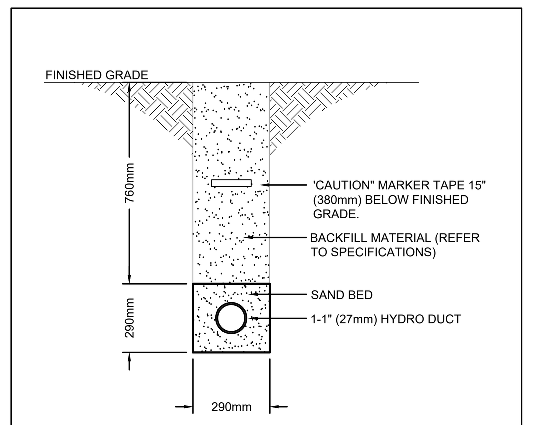
CHECKED: DM	
PRINT DATE: 5/5/2026 11:38 AM	
REVIT FILE	



NOTES:
1. BASE DIAMETER MUST BE A MINIMUM OF 1.5 TIMES THE SIZE OF THE MANUFACTURER'S RECOMMENDED BOLT CIRCLE DIAMETER. BOLT COVER MUST NOT OVERHANG BASE. CONTRACTOR IS TO CONFIRM BASE DIAMETER ON FIXTURE SHOP DRAWINGS.
2. REFER TO CHART INDICATING BASE BURIAL DEPTH.

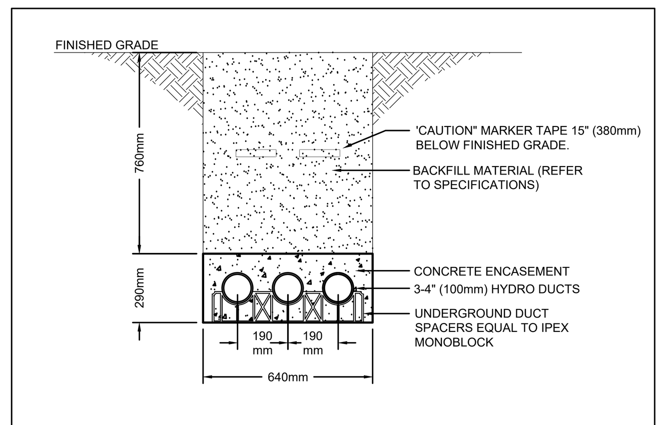
POLE LENGTH (M)	BASE BURIAL DEPTH (M)	REINF. ROD LENGTH (M)
3.0	1.50	H+1.35
5.6	2.15	H+2.00
7.0	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.0	2.45	H+2.30
10.5	2.60	H+2.45
12.0	2.75	H+2.60
13.6	2.90	H+2.75
15.1	3.05	H+2.90

A - LIGHT STANDARD DETAIL
SCALE: NTS



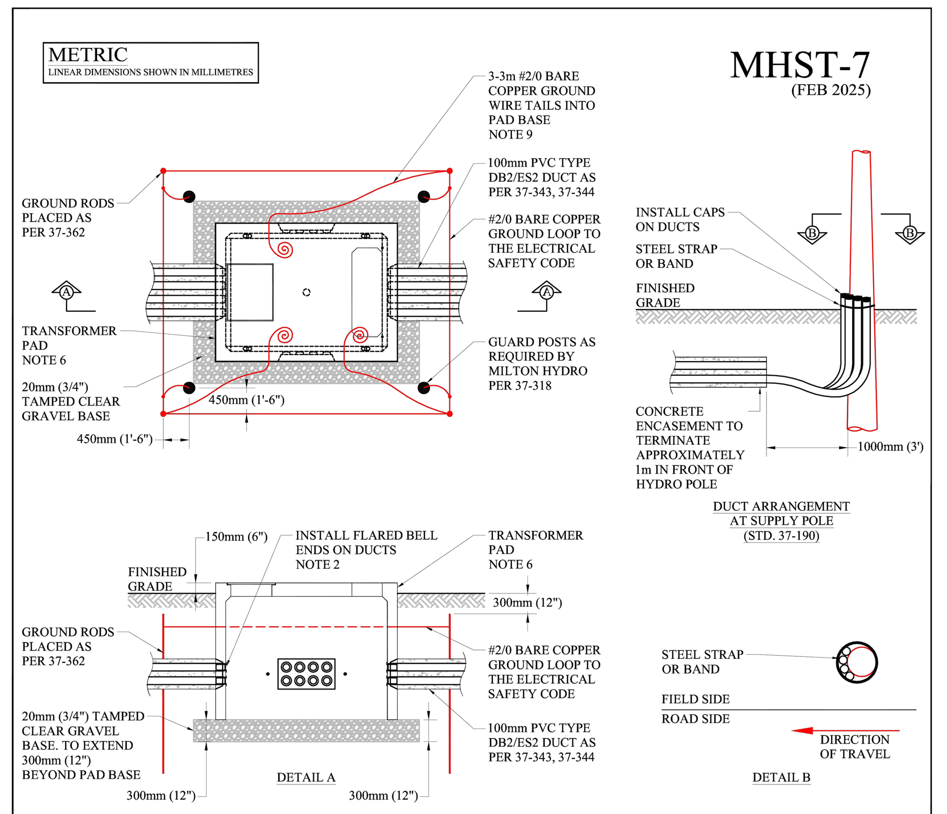
1. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
2. DUCTS SHALL BE CSA APPROVED RIGID PVC TYPE.
3. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

B - LIGHTING DUCTBANK DETAIL
SCALE: NTS



1. ENCASE DUCTS IN 20 MPa CONCRETE ON 1/2" (13mm) PEA GRAVEL.
2. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
3. CONCRETE ENCASED DUCTS SHALL BE CSA APPROVED PVC TYPE II.
4. DUCTS NOT ENCASED IN CONCRETE SHALL BE CSA APPROVED RIGID PVC TYPE.
5. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH CONCRETE ENCASED OR DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

C - SECONDARY DUCTBANK DETAIL
SCALE: NTS

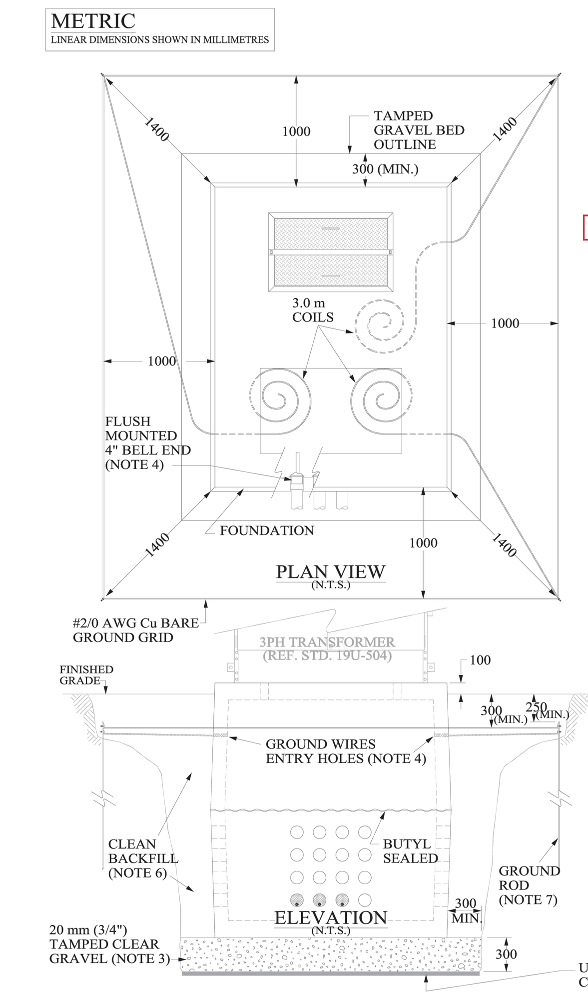


NOTES:
1. ALL INSTALLATIONS TO BE INSPECTED BY MILTON HYDRO PRIOR TO BACK FILLING & CONCRETE ENCASEMENT. INSPECTION APPOINTMENTS MUST BE BOOKED 48 HOURS IN ADVANCE OF THE REQUIRED TIME. BACK FILL WITH NATIVE FILL CLEAR OF LARGE STONE & DEBRIS. MILTON HYDRO (905-876-4611)
2. CONTRACTOR TO INSTALL FLARED BELL ENDS ON DUCTS & FLUSHED WITH CONCRETE FOUNDATION.
3. CONTRACTOR TO STUB DUCTS AT POLE. USE LONG SWEEP 90-DEGREE BENDS (MIN. 60" RADIUS)
4. PRIMARY & SECONDARY CABLE ENTER/EXIT ANY SIDE OF BASE.
5. PAD TO BE INSTALLED WITHIN 5m OF DRIVEWAY.
6. TRANSFORMER PAD TO ONLY BE ACTON PRECAST TYPE LPC108-NO BASE.
7. THE TRANSFORMER PAD SHALL BE SUITABLE TO SUPPORT A MAXIMUM WEIGHT OF 7000kg.
8. CONCRETE PAD TO BE INSTALLED SUCH THAT TRANSFORMER OPENING IS OPPOSITE OF TRAFFIC.
9. CONNECT GROUND TAILS TO TRANSFORMER NEUTRAL BAR & ENTRY HATCH PER STD. 19U-504

REV#	DESCRIPTION	DATE	APPD
3	UPDATED VAULT	FEB 2025	CH
2	CLARIFIED GROUNDING	MAY 2018	CR
1	REMOVED 50mm DUCT	NOV 2014	CR

MILTON HYDRO
TITLE: TRANSFORMER PAD INSTALLATION COMMERCIAL
DRAWN BY: JB
CHECKED BY: CH
APPROVED BY: CH
APPROVAL DATE:
DWG NO. MHST-7
SCALE: NTS
SHEET 1 of 1
REV.

D - TRANSFORMER PAD MOUNT INSTALLATION
SCALE: NTS



37-362
R1 (MAR 2005)

10'

BILL OF MATERIALS

Part No.	Qty	Description
240-12085	4	ROD, GROUND, 8' x 3/4"
N/A	++	SEALANT, FOAM, DUCT
N/A	1/DUCT	BELL, END, PVC, 4"
N/A		FOUNDATION, CONCRETE, BASE, 64"x100"x69"D, FOR 75kVA TO 500kVA Tx (REF. STD. 37-324)
N/A	1	FOUNDATION, CONCRETE, BASE, 85"x109"x90"D, FOR 75kVA TO 1000kVA Tx (REF. STD. 37-3...)
N/A		FOUNDATION, CONCRETE, BASE, 85"x131"x90"D, FOR 75kVA TO 3000kVA Tx (REF. STD. 37-324D)
711-11140	++	WIRE, #2/0 AWG Cu
800-15295	7	CONNECTOR, I-BOLT CLAMP
N/A	++	GRAVEL, CLEAR, 3/4"
N/A	++	SEALANT, BUTYL

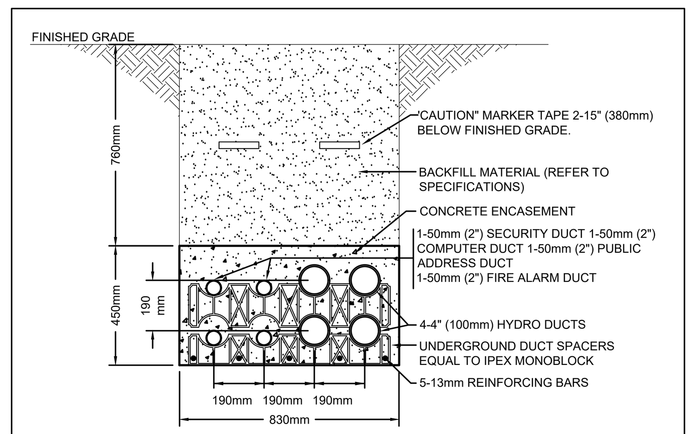
++ - LENGTH/QUANTITY TO SUIT

NOTES:
1. THE FOUNDATION SHALL BE OF A TYPE APPROVED BY THE DISTRIBUTOR.
2. THE FOUNDATION SHALL BE ORIENTED AS PER CONSTRUCTION DRAWING WITH TOP SURFACE HAVING A MAXIMUM 1% SLOPE.
3. GRAVEL BEDDING, FOUNDATION AND GROUND GRID INSTALLATION ARE ALL SUBJECT TO DISTRIBUTOR INSPECTION.
4. DUCTS AND GROUND WIRE ENTRY HOLES SEALED WITH FOAM.
5 UNUSED HOLES SHALL BE LEFT ALONE WITH PLASTIC SEAL INTACT.
6. PLACE BACKFILL IN THOROUGHLY COMPACTED LAYERS.
7. REFER TO STD. 41U-110, DETAIL 4 FOR GROUND ROD INSTALLATION.

~~TYPICAL INSTALLATION OF TWO PIECE~~
~~PRE-CAST CONCRETE FOUNDATION AND~~ GROUND GRID
FOR THREE PHASE PAD-MOUNTED TRANSFORMER
2.4/4.16 kV TO 16/27.6 kV

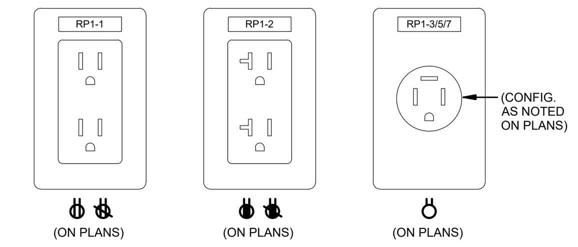
Milton Hydro Distribution Inc.

E - TRANSFORMER FOUNDATION AND GROUNDING GRID
SCALE: NTS



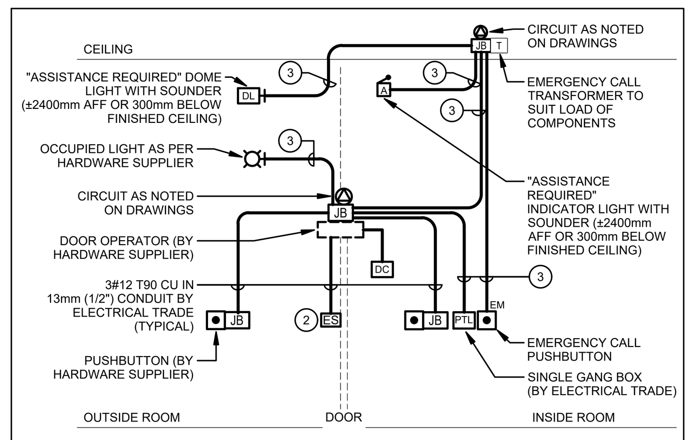
1. ENCASE DUCTS IN 20 MPa CONCRETE ON 1/2" (13mm) PEA GRAVEL.
2. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
3. CONCRETE ENCASED DUCTS SHALL BE CSA APPROVED PVC TYPE II.
4. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH CONCRETE ENCASED OR DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

G-PORTABLE DUCTBANK DETAIL
SCALE: NTS



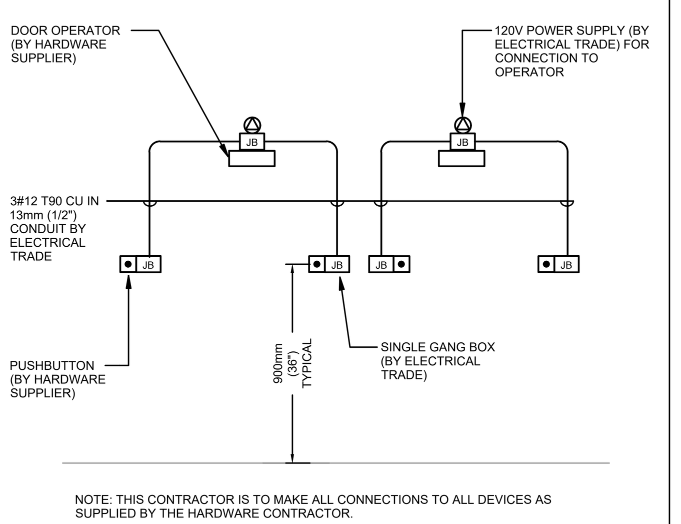
NOTES:
1 RECEPTACLES ARE TO BE C/W P-TOUCH LABEL.
2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF RECEPTACLE AS SHOWN.
3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL AND CIRCUIT INDICATION.

H - RECEPTACLE LABELLING DETAIL
SCALE: NTS



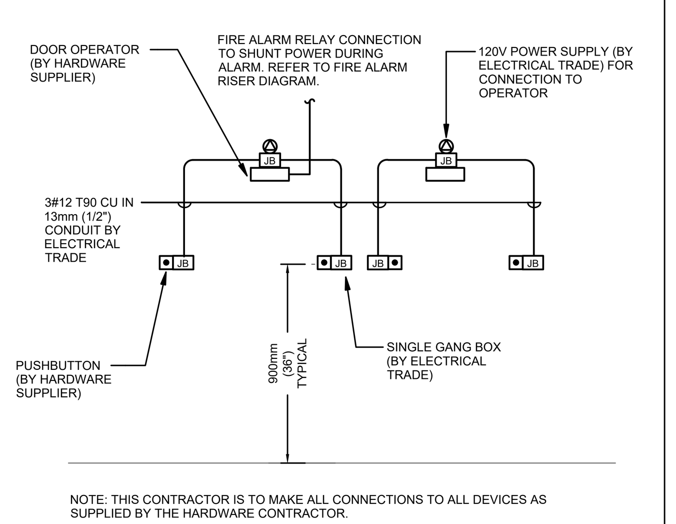
NOTES:
1. THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR. ALL OTHER DEVICES BY HARDWARE CONTRACTOR.
2. WHEN EMERGENCY CALL STATION IS ENGAGED, ELECTRIC STRIKE IS TO DISENGAGE TO ALLOW FOR ACCESS TO ROOM. CO-ORDINATE REQUIRED CONNECTIONS WITH THE HARDWARE SUPPLIER. REFER TO NOTE 3.
3. PROVIDE LOW VOLTAGE INTERCONNECT WIRING TO SUIT SUPPLIER. FOR PRICING PURPOSES ALLOW 4c#18 IN 13mmC.

J - UNIVERSAL WASHROOM DEVICE INSTALLATION
SCALE: NTS



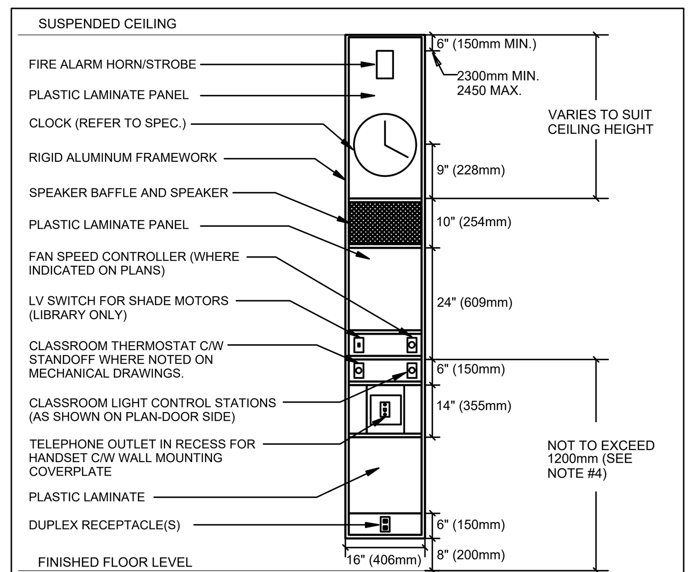
NOTE: THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR.

K - DOOR OPERATOR DETAIL
SCALE: NTS



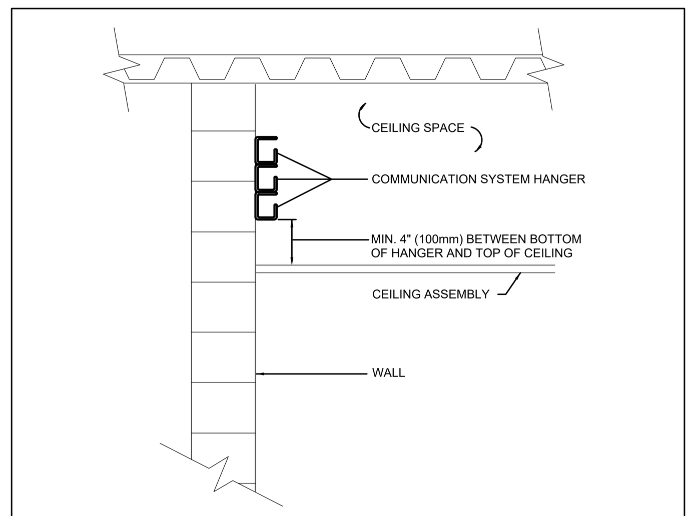
NOTE: THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR.

L - FIRE RATED DOOR OPERATOR DETAIL
SCALE: NTS



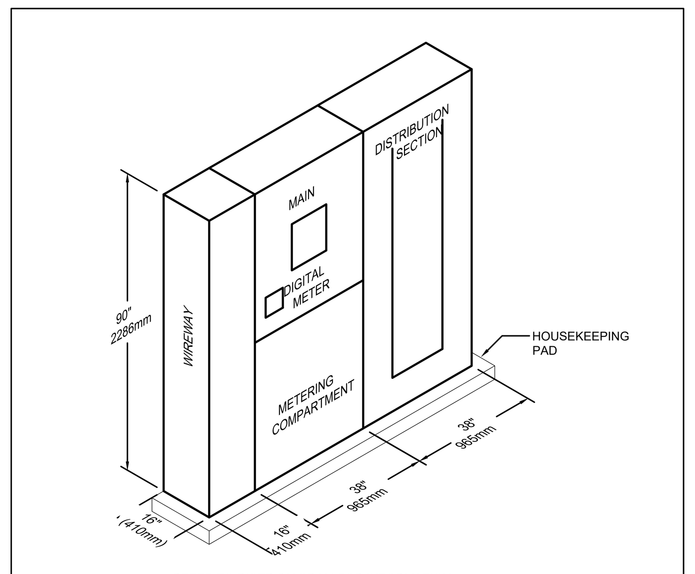
1. ALL DIMENSIONS TO BE CONFIRMED ON SITE WITH ARCHITECT AND CONSULTANT.
2. PROVIDE SHOP DRAWING INDICATING DEVICES ON A ROOM BY ROOM BASIS.
3. CONSOLE PROVIDED BY ELECTRICAL CONTRACTOR. REFER TO SPECIFICATION.
4. MOUNTING HEIGHT OF CONTROL SWITCHES AND T-STAT IS NOT TO EXCEED 1200mm AS PER OBC 3.8.1.5. ADJUST LAMINATE PANEL SIZE TO SUIT.
5. INDICATES ADDITIONAL DEVICE MOUNTING SPACE FOR SPECIFIC SPACES. REFER TO PLANS.

M - CONSOLE DETAIL
SCALE: NTS



1. INSTALLATION OF HANGERS IS TO BE COORDINATED WITH MECHANICAL AND ALL OTHER ASSOCIATED TRADES.
2. HANGERS ARE TO BE INSTALLED IN LINE ALONG LENGTH OF CORRIDOR AT MAXIMUM 4'-0" (1200mm) INTERVALS.

N-WALL MOUNTED CABLE HANGER DETAIL
SCALE: NTS

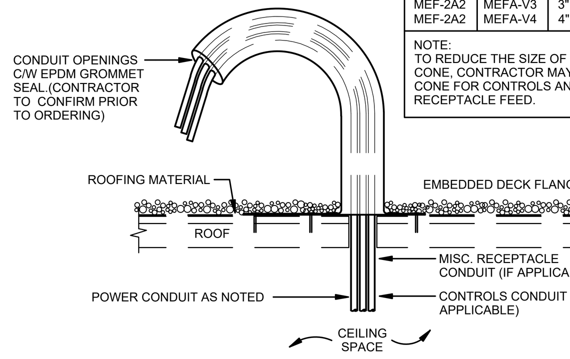


REFER TO RISER DIAGRAM FOR INFORMATION.

P-SECONDARY SWITCHBOARD ELEVATION
SCALE: NTS

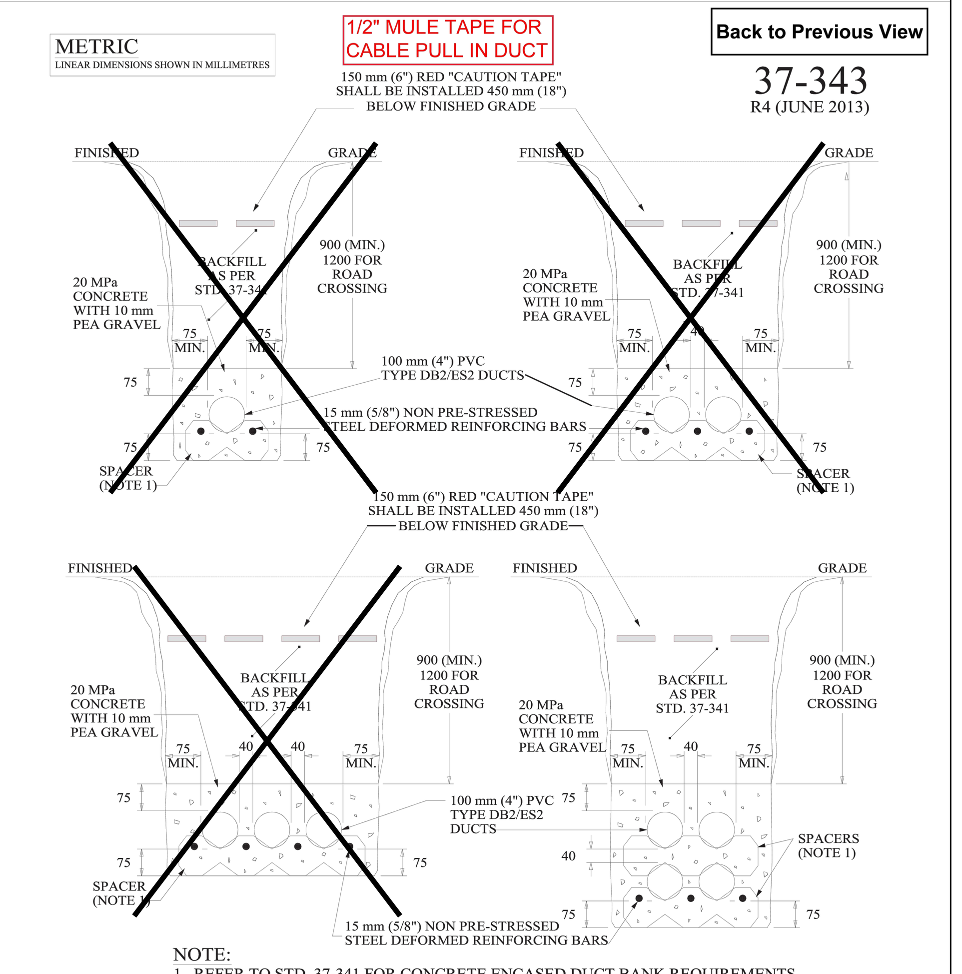
THALER CAT.#	ALTRA CAT.#	FLEXIBLE CONDUIT SIZE
MEF-2A1	MEFA-V2	2" FOR ≤ 100A
MEF-2A2	MEFA-V3	3" FOR ≤ 150A
MEF-2A2	MEFA-V4	4" FOR ≤ 200A

NOTE:
TO REDUCE THE SIZE OF THE POWER CONE, CONTRACTOR MAY USE 2ND CONE FOR CONTROLS AND RECEPTACLE FEED.



NOTES:
1. COORDINATE EXACT CONE LOCATION WITH MECHANICAL TRADE. ROOF CONE SHALL BE ALUMINUM PRE-INSULATED FLASHING FOR MULTIPLE FLEXIBLE CONDUIT AS NOTED. ACCEPTABLE MANUFACTURERS ARE THALER METAL INDUSTRIES OR ALTRA METAL SPECIALTIES INC.
2. CONDUIT OPENING THROUGH ROOF DECK / MATERIAL IS TO BE PROVIDED BY THE GENERAL TRADE.
3. TURN OVER CONE TO ROOFER FOR INSTALLATION.
4. SUBMIT SHOP DRAWING AS PER THE SPECIFICATION.

Q-ROOF PENETRATION DETAIL
SCALE: NTS

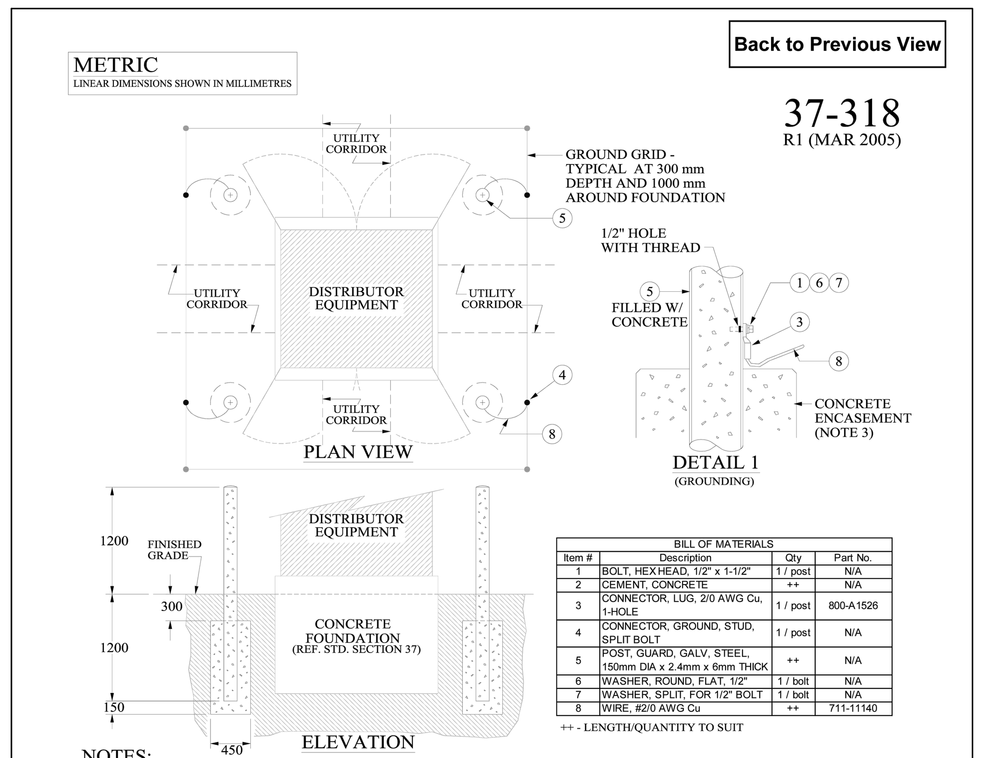


NOTE:
1. REFER TO STD. 37-341 FOR CONCRETE ENCASED DUCT BANK REQUIREMENTS.

REV#	DESCRIPTION	DATE	APPD
4	ADDED CAUTION TAPE	June 2013	CR
3	ORIGINAL DRAWING	June 2005	

MILTON HYDRO
TYPICAL ARRANGEMENT FOR DUCTS ENCASED IN CONCRETE FOR 1, 2, 3, 4 DUCTS
DRAWN BY:
CHECKED BY:
APPROVED BY: AESI, WK
APPROVAL DATE: June 27, 2005
DWG NO. 37-343
SCALE: NTS
SHEET 1 of 1
REV. 4

R - PRIMARY DUCTBANK
SCALE: NTS



BILL OF MATERIALS

Item #	Description	Qty	Part No.
1	BOLT, HEXHEAD, 1/2" x 1-1/2"	1 / post	N/A
2	CEMENT, CONCRETE	++	N/A
3	CONNECTOR, LUG, 2/0 AWG Cu, 1-HOLE	1 / post	800-A1526
4	CONNECTOR, GROUND, STUD, SPLIT BOLT	1 / post	N/A
5	POST, GUARD, GALV, STEEL, 150mm DIA x 2.4mm x 6mm THICK	++	N/A
6	WASHER, ROUND, FLAT, 1/2"	1 / bolt	N/A
7	WASHER, SPLIT, FOR 1/2" BOLT	1 / bolt	N/A
8	WIRE, #2/0 AWG Cu	++	711-11140

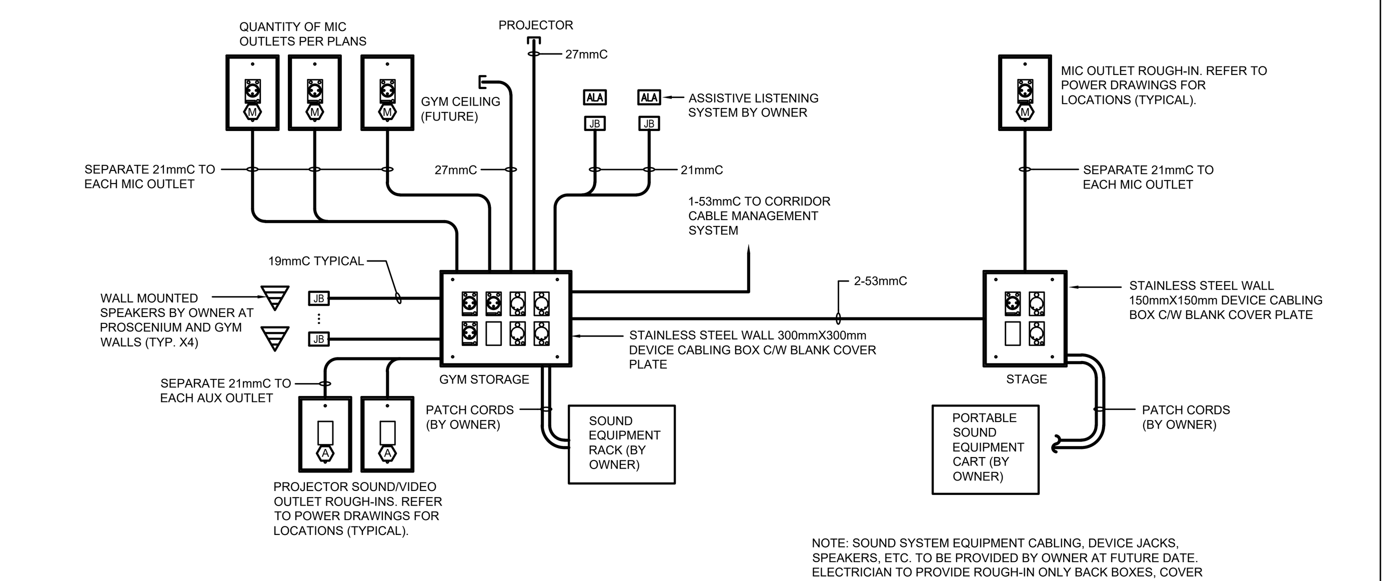
++ - LENGTH/QUANTITY TO SUIT

NOTES:
1. GUARD POSTS SHALL BE 150 mm DIA. x 2.4 m LONG x 6 mm THICK GALVANIZED STEEL PIPE FILLED WITH CONCRETE.
2. LOCATION AND NUMBER OF GUARD POSTS SHALL BE DETERMINED AND FINALIZED BY DISTRIBUTOR'S FIELD INSPECTOR WITH THE FOLLOWING CRITERIA:
 2.1. SHALL ALLOW EQUIPMENT DOORS (INCLUDING SUB-COMPARTMENT'S DOORS) TO BE OPENED THROUGH THEIR FULL RANGE.
 2.2. SHALL ALLOW DISTRIBUTOR PERSONNEL UNIMPEDED ACCESS TO THE EQUIPMENT AND PERMIT COMPLETE AND SAFE OPERATION OF THE EQUIPMENT.
 2.3. 500 mm MINIMUM CLEARANCE BETWEEN THE GUARD POST'S CONCRETE ENCASEMENT AND THE UTILITY CORRIDOR.
 2.4. 100 mm MINIMUM CLEARANCE BETWEEN THE GUARD POST'S CONCRETE ENCASEMENT AND THE GROUND GRID.
3. THE GUARD POSTS SHALL BE CONCRETE ENCASED IN 20 MPa CONCRETE WITH 10 mm PEA GRAVEL AGGREGATE.
4. WHERE GUARD POSTS ARE INSTALLED IN BACKFILL OR DISTURBED EARTH, ENSURE BACKFILL MATERIAL IS THOROUGHLY COMPACTED.
5. GUARD POSTS SHALL BE PAINTED WITH "SAFETY-YELLOW" (CITY'S STANDARD). FOR PROPER ADHESION OF PAINT, GUARD POSTS MUST BE CLEANED (FREE FROM DIRT, GREASE/OIL AND EXHAUST FUMES) AND PRIMED PRIOR TO PAINTING. PRETREATMENT PRIMER MUST BE COMPATIBLE WITH GALVANIZED COATING, SUCH AS MODIFIED ACRYLIC WATER-BORNE PRIMERS.
 FOR HIGH ADHESION OF PAINT, BRUSH OR SWEEP BLAST THE GALVANIZED POSTS IMMEDIATELY PRIOR TO PAINTING. INCORRECT TECHNIQUE OF BLASTING MAY RESULT IN DAMAGES TO THE GALVANIZED COATING. THEREFORE IT IS HIGHLY RECOMMENDED THAT A PERSON WITH EXPERTISE AND ABILITY TO FOLLOW STRICT PRETREATMENT REQUIREMENTS AND PROCEDURES BE USED.

TYPICAL GUARD POST INSTALLATION

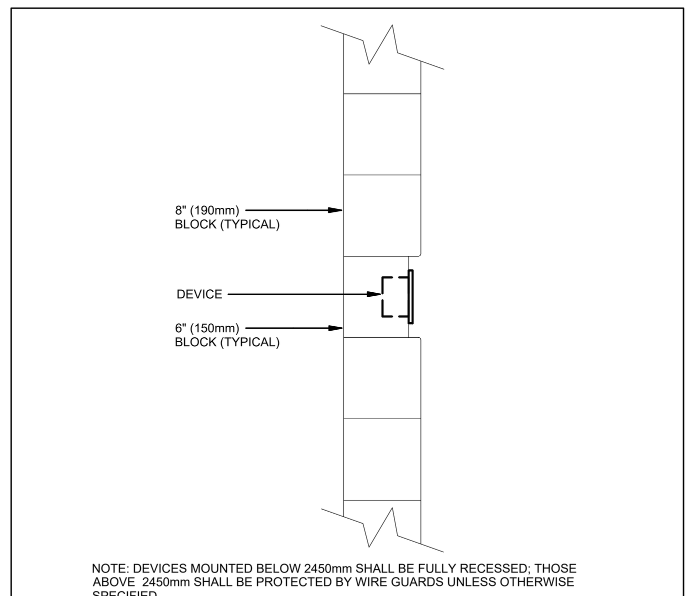
Milton Hydro Distribution Inc.

F - GUARD POST INSTALLATION
SCALE: NTS



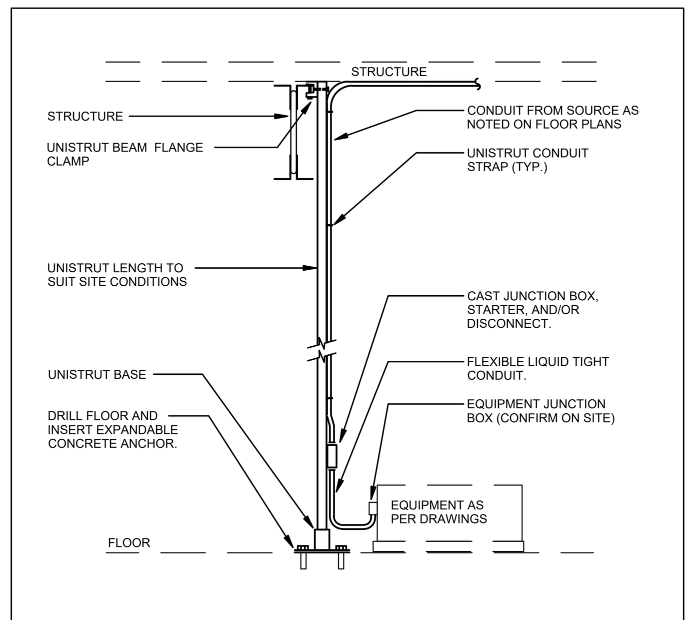
NOTE: SOUND SYSTEM EQUIPMENT CABLING, DEVICE JACKS, SPEAKERS, ETC. TO BE PROVIDED BY OWNER AT FUTURE DATE. ELECTRICIAN TO PROVIDE ROUGH-IN ONLY BACK BOXES, COVER PLATES AND CONDUITS AS INDICATED.

S-GYM/STAGE SOUND SYSTEM RISER DIAGRAM
SCALE: NTS

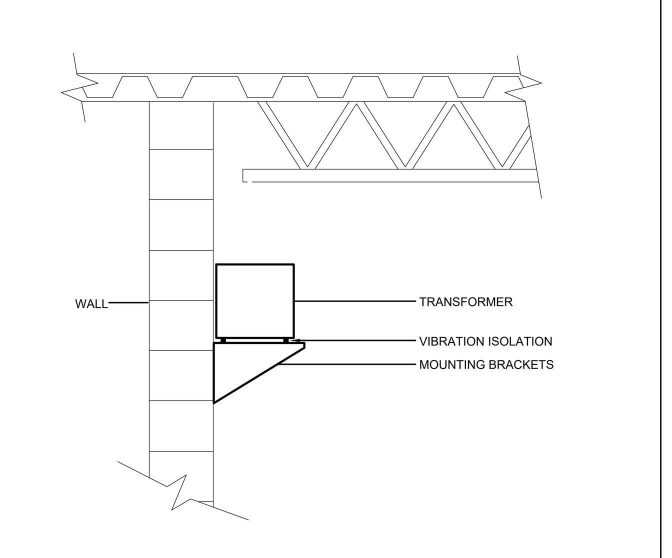


NOTE: DEVICES MOUNTED BELOW 2450mm SHALL BE FULLY RECESSED; THOSE ABOVE 2450mm SHALL BE PROTECTED BY WIRE GUARDS UNLESS OTHERWISE SPECIFIED.

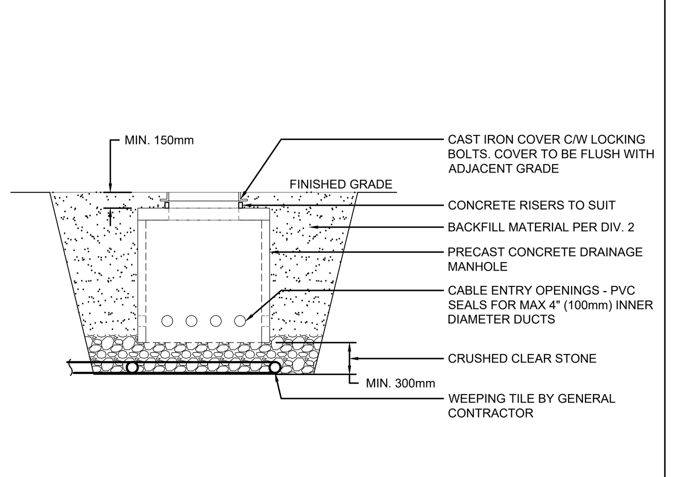
T-GYM DEVICE MOUNTING DETAIL
SCALE: NTS



U-TYPICAL EQUIPMENT CONNECTION DETAIL
SCALE: NTS



V-TRANSFORMER MOUNTING DETAIL
SCALE: NTS



SUITABLE CONCRETE DRAINAGE MANHOLE EQUAL TO BROOKLIN CONCRETE BCP300P C/W CAST IRON COVER

W-DRAINAGE MANHOLE/PULLBOX DETAIL
SCALE: NTS

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.
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
05-05-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD

DETAILS

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE: As indicated
PROJECT: 25106
DATE: MAY 2026
DRAWN: CT
CHECKED: DM
DRAWING: E102
PRINT DATE: 5/5/2026 11:38 AM
REVIT FILE

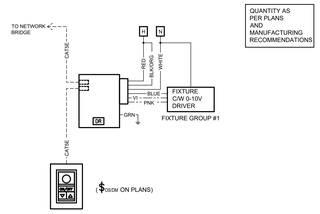
LIGHTING CONTROL WIRING LEGEND	
————	SOLID LINE INDICATES LINE VOLTAGE CONNECTION
- - - - - -	DASHED LINE INDICATES LOW VOLTAGE WIRING
—— · · ——	0-10V DIMMING

GENERAL NOTES:

1) ALL LIGHTING CONTROL SYSTEM PARTS/EQUIPMENT AND COMMISSIONING ARE PART OF CASH ALLOWANCE.
2) ALL LIGHTIGN CONTROL SYSTEM CONDUIT/WIRING, FULL SYSTEM INSTALLATION AND COORDINATION WITH SELECTED LIGHTING CONTROL VENDOR WILL BE PART OF BASE BID.
3) REFER TO SPECIFICATION SECTION 26 27 26 FOR LINE VOLTAGE CONTROLS (SENSORSWITCH DEVICES).
4) WALL STATION BUTTONS TO BE ENGRAVED WITH LABELS ACCORDING TO LIGHTING CONTROL DETAILS.
5) ALL CONTROL WIRING SHALL BE PLENUM RATED (FT6), PART OF BASE BID.
6) ALL SENSORS SHALL BE MOUNTED TO OCTAGON BOX AND MOUNTED A MINIMUM OF 24" FROM DIFFUSERS. PART OF BASE BID.

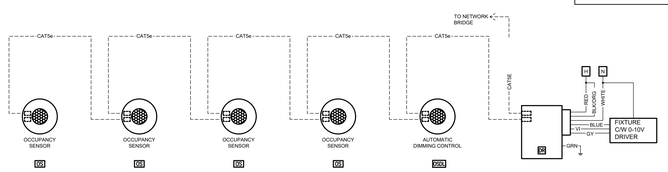
LIGHTING CONTROL SEQUENCE NOTES & LEGEND
SCALE: NTS

QUANTITY AS PER PLANS AND MANUFACTURING RECOMMENDATIONS



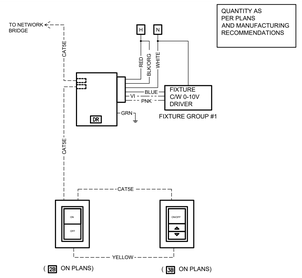
A-LIGHTING CONTROL SEQUENCE #1 (1)
SCALE: NTS

QUANTITY AS PER PLANS AND MANUFACTURING RECOMMENDATIONS



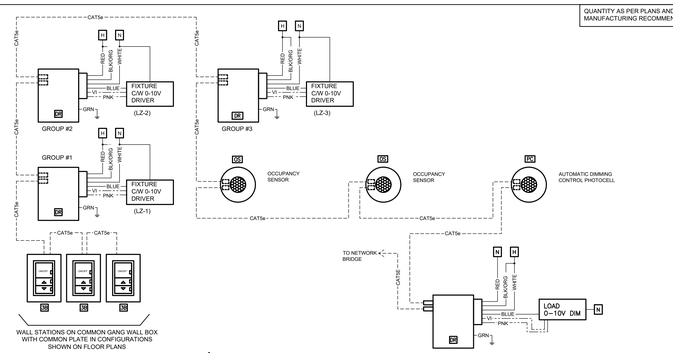
B-LIGHTING CONTROL SEQUENCE #2 (2)
SCALE: N.T.S

QUANTITY AS PER PLANS AND MANUFACTURING RECOMMENDATIONS



D-LIGHTING CONTROL SEQUENCE #4 (4)
SCALE: NTS

QUANTITY AS PER PLANS AND MANUFACTURING RECOMMENDATIONS



C-LIGHTING CONTROL SEQUENCE #3 (3)
SCALE: N.T.S

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION

Space Type	Room Names	Control Sequence / Control Device(s):	Control System
Public Corridors/Vestibules	TYPICAL FOR SCHOOL CORRIDORS AND VESTIBULES	Sequence: AUTO ON: ECLYPSE system controller signal corridor zones after school opening to allow occupancy sensors to adjust fixture brightness. ON FULL: Lights turned to 100% output via occupancy in each corridor zone. NORMAL HOURS AUTO ADJUST: 20 minutes after corridor zone is vacated, lights dim to 40% output. AUTO OFF: ECLYPSE system controller signal corridor zones after school closing to restrict occupancy sensors to switch lights off only. AUTO ADJUST: Lights in daylight zones automatically turn off via daylight sensor if sufficient daylight is detected. (Where applicable). AFTER HOURS AUTO OFF: 20 minutes after corridor zone is vacated, lights turn off. FIRE ALARM: Upon signal from fire alarm system, bypass all timing inputs, scenes, and other programming such that lights are at 100% output.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER
Enclosed Offices, Admin Area, Workrooms, Resource Rooms	TYPICAL	Sequence: ON: Lights turned on manually via wall station(s) (vacancy mode). ADJUST: The occupant manually adjusts lighting within the room to desired level via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. AUTO PLUGS: 50% of receptacles within room automatically shutoff after hours via time signal through ECYLPSE system controller.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER AND PLUG LOAD CONTROL
Public Washrooms/Change Rooms	TYPICAL	Sequence: ON: Lights turned on automatically via occupancy sensor (where applicable). OFF: 5 minutes after the room has been vacated, the lights will automatically turn off.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER
Storage/Private Washrooms	TYPICAL	Sequence: ON: Lights turned on manually via wall sensor switch (vacancy mode). OFF: 5 minutes after the room has been vacated, the lights will automatically turn off.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER
Classrooms	TYPICAL	Sequence: ON: Lights turned on manually via wall station(s) (vacancy mode). ADJUST: The occupant manually adjusts lighting groups within the room to desired level or preset via wall dimmer(s). OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: User manually adjusts fixture zone lighting levels or on/off and that state shall remain without reverting to previous state unless sensors do not detect occupancy for extended period, whereby normal sensor operation is to resume. AUTO PLUGS: 50% of receptacles within room automatically shutoff after hours via time signal through ECLYPSE system controller.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER AND PLUG LOAD CONTROL
Gymnasium	GYM	Sequence: ON: Lights turned on automatically to low setting via occupancy sensor. ADJUST: The occupant manually adjusts lighting groups within the room to desired level or preset via wall dimmer stations. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: User manually adjusts fixture group lighting levels on on/off and that state shall remain without reverting to previous state unless sensors do not detect occupancy for extended period, whereby normal sensor operation is to resume.	DIGITAL LIGHTING RELAY C/W NLIGHT ECYLPSE SYSTEM CONTROLLER
Exterior	POLE FIXTURES WALL PACKS CANOPY FIXTURES	Sequence: ON:PM: Lights turn on automatically at sunset via photocell (BAS) OFF:PM: Lights off automatically via time clock (BAS). ON:AM: Lights turn on automatically 1 hour before opening via time clock (BAS). OFF:AM: Lights automatically off after owner preferred time after sunrise via photocell (BAS) + time clock (BAS). AUTO ON ALARM: Lights automatically turn on upon activation of alarm signal from security, fire alarm through BAS. Note: Lights are NOT to automatically toggle state for security arm/disarm.	CONTACTOR C/W BAS INPUT

SYSTEM DESCRIPTIONS:

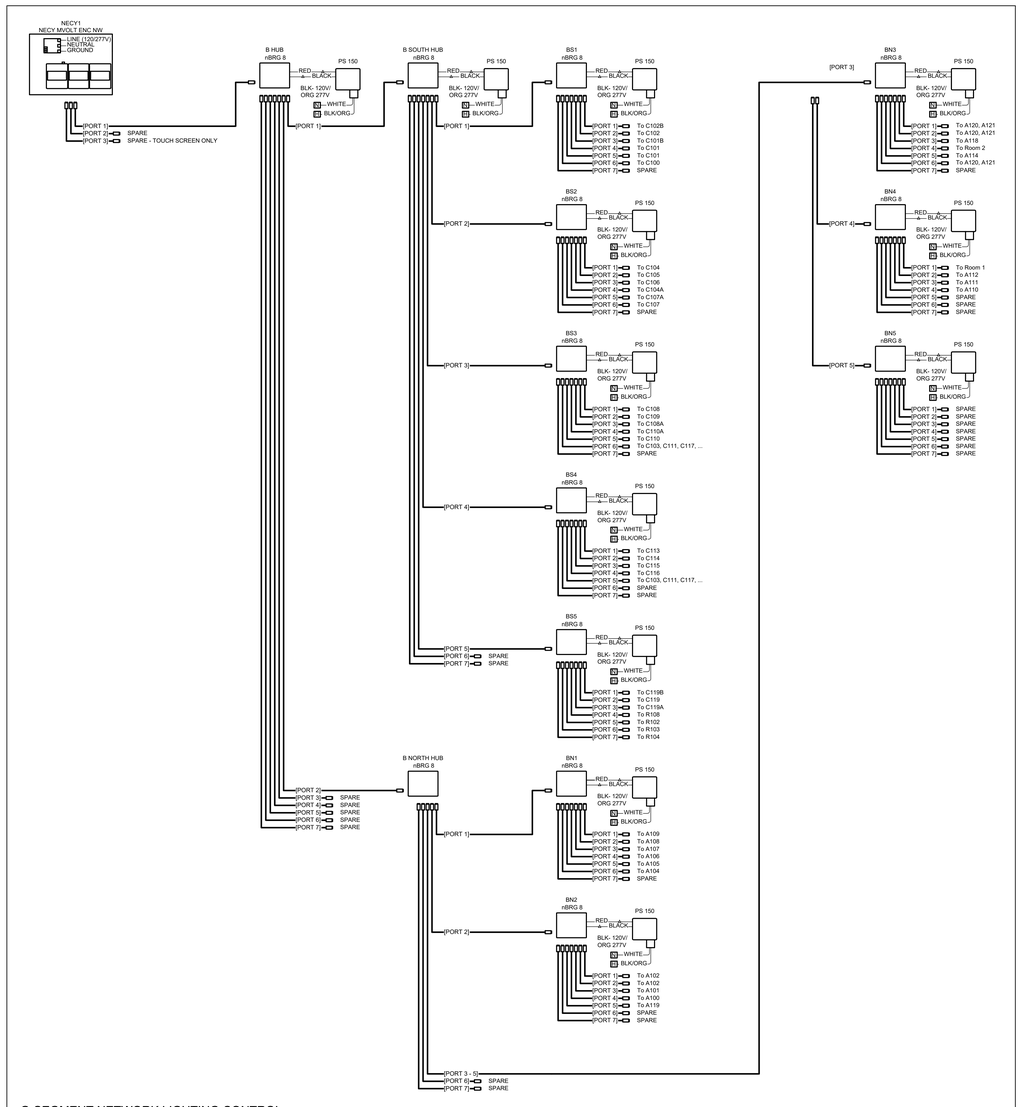
DIGITAL LIGHTING RELAY C/W NLIGHT ECLYPSE SYSTEM CONTROLLER, GRAPHIC TOUCH SCREEN AND PLUG LOAD CONTROL	

NOTES:

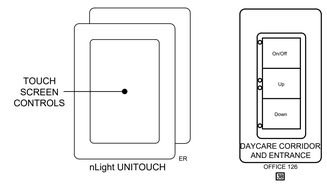
1. ALL INDICATED TIMES, INCLUDING 'SCHOOL OPENING' AND 'SCHOOL CLOSING', SHALL BE COORDINATED WITH SCHOOL BOARD REPRESENTATIVE AND SHALL ACTIVATE VIA BAS POINT FOR SCHOOL SECURITY SYSTEM 'ARMED' AND DISARMED'. ALL NETWORKED LIGHTING SYSTEMS SHALL GO TO FULL BRIGHTNESS UPON RECEIVING BAS SIGNAL FOR SECURITY SYSTEM 'ALARM'. REPORT ANY DISCREPANCIES BETWEEN SEQUENCE AND CONTROL DEVICES TO ENGINEER PRIOR TO PROGRAMMING. COORDINATE PROGRAMMING OF ANY SPACES NOT LISTED WITH BOARD REPRESENTATIVE.
2. ALL DIGITAL LIGHTING RELAY SHALL BE INTERCONNECTED VIA NETWORK BRIDGES AND NLIGHT ECLYPSE SYSTEM CONTROLLER W/ GRAPHIC TOUCH SCREEN, HOWEVER ALL ROOMS ARE TO BE PROGRAMMED TO FUNCTION INDEPENDENTLY.
3. ALL PLUG LOAD ROOM CONTROL SYSTEMS SHALL BE INTERCONNECTED VIA NETWORK BRIDGES AND NLIGHT ECLYPSE SYSTEM CONTROLLER W/ GRAPHIC TOUCH SCREEN.

ALL LIGHTING CONTROL SYSTEM PARTS/EQUIPMENT AND COMMISSIONING IS PART OF CASH ALLOWANCE.

ALL LIGHTING CONTROL SYSTEM CONDUIT/WIRING, FULL SYSTEM INSTALLATION AND COORDINATION WITH SELECTED LIGHTING CONTROL VENDOR WILL BE PART OF BASE BID.



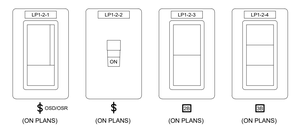
G-SEGMENT NETWORK LIGHTING CONTROL
SCALE: NTS



NOTES

1. REFER TO MASTER CONTROL NETWORK ZONE FOR CIRCUIT GROUPINGS OF EACH CONTROL GROUP.
2. PROVIDE BUTTON ENGRAVING WORKSHEET WITH SHOP DRAWING SUBMISSION FOR REVIEW. WORKSHEETS TO BE COMPLETED FOR EACH CONTROL STATION GROUP. REVISE ENGRAVING LABELS TO SUIT MANUFACTURER ALLOWABLE CHARACTERS. USE SINGLE MULTI-GANG FACEPLATE WITH P-TOUCH LABEL AS NOTED, FINISH PER SPECIFICATIONS.

E-MASTER CONTROL STATIONS
SCALE: NTS



NOTES:

1 LIGHT SWITCHES ARE TO BE C/W P-TOUCH LABEL.
2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF SWITCH AS SHOWN.
3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL, CIRCUIT INDICATION, AND SWITCH LEG.

F - LIGHT SWITCH LABELLING DETAIL
SCALE: NTS

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.
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519 725 3555
Website: deiassociates.ca
Project Number: r5431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
05-05-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100239476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

LIGHTING CONTROL DETAILS AND SCHEDULES

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905)607-8290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: CT	DRAWING: E103
CHECKED: DM	
PRINT DATE: 5/5/2026 11:38 AM	
REVIT FILE	

LIGHT FIXTURE SCHEDULE (INTERIOR)

Item	Manufacturer/Catalog Number	Voltage	Lamp: Type	Lamp: Lumens	Lamp: Colour Temperature	Lamp: Wattage	Lamp: CRI	Mounting	Listings	Description
A1	COOPER CAT. #24CZ2-LD5-40-UNV-L840-CD-1 LITHONIA CAT. #2BLT4 40L ADSM MVOLT GZ1 LP840 SIGNIFY CAT. #2EVG38L840-4-DS-UNV-DIM	120V	LED	4257	4000K	30.4W	80	RECESSED	N/A	2'X4' (610mmX1220mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, AND WHITE FINISH.
B	LITHONIA CAT.#JHBL 18000LM GL WD MVOLT GZ10 40K 80CRI WGX DWHXD DL COOPER CAT. #SSLED-LD1-18-M-UNV-L840-CD1-X C/W SSLED-WG17-U	120V	LED	18000	4000K	134W	80	SUSPENDED	N/A	LED HIGHBAY FIXTURE C/W WIDE DISTRIBUTION OPTICS, SEMI-DIFFUSE ACRYLIC LENS, WIRE GUARD, AND ELECTRONIC 0-10V DRIVER. NOTE FIXTURE TO BE FASTENED TO UNISTRUT CHANNELS SPANNING ACROSS THE TOP OF THE BOTTOM CHORD OF THE JOISTS. SUSPEND FIXTURE EVEN WITH THE BOTTOM OF JOISTS. FINISH TO BE CHOSEN BY ARCHITECT. NOTE: FIXTURE DOCUMENTATION MUST LIST IMPACT-RESISTANT LENS AND GYM APPLICATION.
L1	COOPER CAT. #14CZ2-LD5-44-UNV-L840-CD-1 LITHONIA CAT. #BLT4 48L ADSM MVOLT GZ1 LP840 SIGNIFY CAT. #1EVG48L840-4-DS-UNV-DIM	120V	LED	4608	4000K	34.6W	80	RECESSED	N/A	1'X4' (305mmX1220mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, AND WHITE FINISH.
L2	COOPER CAT. #14CZ2-LD5-44-UNV-L840-CD-1-DF-14W LITHONIA CAT. #BLT4 48L ADSM MVOLT GZ1 LP840/DGA14 SIGNIFY CAT. #1EVG48L840-4-DS-UNV-DIM FMA14	120V	LED	4608	4000K	34.6W	80	RECESSED (DRYWALL)	N/A	1'X4' (305mmX1220mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, WHITE FINISH, AND DRYWALL TRIM KIT.
L3	COOPER CAT. #4SNX LW UNV CC83 CD1 C/W WG-SNX03N-#FT-B LITHONIA CAT. #CSS L48 ALO3 UVOLT SWX3 80CRI C/W WGCSS SIGNIFY CAT. #SDS42448L8CST-UN3-DIM C/W FXR-126-& SDS4WG (SET TO 4000K AND 4850LM)	120V	LED	4100	4000K	33W	80	SUSPENDED	N/A	4' (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD. NOTE: SUSPEND TO MAINTAIN MAXIMUM HEADROOM.
L4	EUREKA CAT. #ATOLL-3850-60-LED-40-90-120V-DV-RDP-XX C/W 3981GC	120V	LED	4759	4000K	47.7W	80	CEILING	N/A	5' (1527mm) CIRCLE LED LUMINAIRE C/W FROSTED ACRYLIC LENS, AND FINISH TO SUIT ARCHITECT.
EXIT LIGHTS	AIMLITE CAT. #RPALWUMWHTUNVDC STANPRO CAT. #RMXL0WH-UDC LUMACELL CAT. #LA3WUX	12V/120 V	LED	-	-	2.5 WATT (MAX AC 2 WATT (MAX DC	N/A	SURFACE	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. LIGHTS	AIMLITE CAT. #RMSM212V4WLJWHT STANPRO CAT. #NZ-06-12V4WLJWH LUMACELL CAT. #MQM2LD7	12V	LED	-	-	2-4W PAR18	N/A	SURFACE	N/A	TWIN HEAD LED REMOTE MR16 FIXTURE C/W COMPACT DESIGN, THERMOPLASTIC CONSTRUCTION, WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION.
COMBO UNIT	AIMLITE CAT. #CARPW SERIES EM-1 #CARPW12030K25SM4WLJATD EM-2 #CARPW12072K25SM4WLJATD STANPRO CAT. #RPMXL SERIES EM-1 #RPMXL10361-2N4LJ-AT EM-2 #RPMXL10721-2N4LJ-AT LUMACELL CAT. #LAC SERIES EM-1 #LACXW12502LD7ATN EM-2 #LACXW12722LD7ATN	12V/120 V	LED	-		2-4W PAR18	N/A	SURFACE	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 2.5" (63mm) THICKNESS, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER AND AUTOTEST FEATURE INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. BATT.	AIMLITE #EBST12 SERIES EM-3 #EBST12100-25M4WLRWHT-ATD EM-4 #EBST12200-25M4WLRWHT-ATD EM-5 #EBST12300-25M4WLRWHT-ATD STANPRO CAT. #SLX12 SERIES EM-3 #SLA12100-2N4LJ/AT EM-4 #SLA12200-2N4LJ/AT EM-5 #SLA12300-2N4LJ/AT LUMACELL CAT. #RG5 SERIES EM-3 #RG1251002LD7ATN EM-4 #RG1252002LD7ATN EM-5 #RG1253002LD7ATN	12V/120 V	LED	-	-	2-4W MR16	N/A	SURFACE	N/A	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE.

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. TENDER PRICE TO INCLUDE ONLY APPROVED MANUFACTURERS LISTED ON SCHEDULE. EQUAL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPEIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED FIXTURE TYPES. FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE.
3. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S AVAILABLE STANDARD FINISHES.
4. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND OR VOLTAGE, OUTPUT, OR MOUNTING, PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT THE TIME OF SHOP DRAWING REVIEW. FOR THE PURPOSES OF BIDDING, INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.

LIGHT FIXTURE SCHEDULE (EXTERIOR)

Item	Manufacturer/Catalog Number	Voltage	Lamp: Type	Lamp: Lumens	Lamp: Colour Temperature	Lamp: Wattage	Lamp: CRI	Mounting	Listings	Description
C	COOPER CAT. #LD6C20D010TR-EU6C10208030-6LBMN1H-LGSKT6IP66	120V	LED	2000	3000K	21.2W	80	RECESSED	IP66	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT. C/W SELF-FLANGED 50 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, IP66 GASKET KIT, AND 5% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.
P1	McGRAW-EDISON CAT. #GALN-SA2B-730-U-T4FT-XX POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL LITHONIA CAT. #DSX0 EQUAL SIGNIFY CAT. #P15 EQUAL	120V	LED	11347	3000K	82W	80	POLE	IDA/BUG	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE "T4FT" DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 17" (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES:POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
W	COOPER CAT. #ISC-SA1D-740-U-SL3-XX LITHONIA EQUAL	120V	LED	9865	4000K	45.2W	80	WALL	IP66, IDA/BUG	COMPLETE CUT OFF HALF CYLINDER LED WALLPACK FIXTURE C/W TYPE '3' DISTRIBUTION, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.

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. TENDER PRICE TO INCLUDE ONLY APPROVED MANUFACTURERS LISTED ON SCHEDULE. EQUAL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPEIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED FIXTURE TYPES. FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE. THEY MUST THEN PROVIDE PHOTOMETRIC ANALYSIS FOR THE EXTERIOR FIXTURE LAYOUT INDICATED USING THEIR PROPOSED FIXTURE.
3. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S AVAILABLE STANDARD FINISHES.
4. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND OR VOLTAGE, OUTPUT, OR MOUNTING, PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT THE TIME OF SHOP DRAWING REVIEW. FOR THE PURPOSES OF BIDDING, INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.
5. EXTERIOR FIXTURES WHERE NOTED ARE TO BE C/W FIELD ADJUSTABLE LUMENS/WATTAGE FEATURE. FIXTURES TO BE SET TO FULL OUTPUT AT TIME OF STARTUP AND COMMISSIONING.

EQUIPMENT WIRING SCHEDULE

E = ELECTRICAL
M = MECHANICAL
O = OTHERS

Description: Mechanical Item	Description: Description	Provided By	Electrical Data: Voltage	Electrical Data: Size hp/kW/amps	Electrical Data: Phase	Electrical Data: MOCP	Starter: Magnetic	Starter: Manual	Starter: Combination	Starter: Contactor	Starter: VFD	Starter: ECM	Ctrl Device: Hand/Off/Auto	Ctrl Device: On/Off Selector	Ctrl Device: Start/Stop PB	Ctrl Device: High/Low/Off	Isolating Device: Pilot Light	Isolating Device: Motor Rated Switch c/w Pilot Light	Isolating Device: Disconnect	Isolating Device: WP Disconnect	Remote Items: Breaker/Fuse	Remote Items: Starter/Device Wired by	Remote Items: Thermostat	Remote Items: RA Thermostat	Remote Items: Programmable Time Clock	Remote Items: Variable Speed Control	Remote Items: Current Sensor	Remote Items: Occ Sensor	Remote Items: Dual Voltage Relay	Remote Items: Interval Timer	Remote Items: VRF System Control Panel	Remote Items: Smoke Control System Panel	Remote Items: Control Panel	Other: Wired by	Other: Bldg Auto System	Other: Wired By	Other: Miscellaneous 1	Other: Miscellaneous 2	Interlock: Interlock to	Interlock: Interlock by	Remarks
RTU-1	ROOFTOP AHU/HVAC (CLASS ADDITION)	M	575	111 MCA	3	125														E	E	E	M											M	M	M					
RTU-2	ROOFTOP AHU/HVAC (CHILDCARE ADDITION)	M	575	54 MCA	3	70														E	E	E	M											M	M	M					
HVAC-102	ROOFTOP AHU/HVAC	M	575	12 MCA	3	15														E	E	E	M											M	M	M					
EF-2601	CEILING WASHROOM EXHAUST FAN	M	120	FHP	1														E		E	E							M					M/E	M	M					ON WITH LIGHTS
EF-2602	DRYER BOOSTER FAN (UTR A104)	M	120	FHP	1														E		E	E					M							E							
EF-2603	CEILING EXHAUST FAN (CUST/MECH RM)	M	120	FHP	1														E		E	E		M					M					M/E	M	M					
EF-2604	GENERAL EXHAUST FAN (SCIENCE RM)	M	120	1/4 HP	1										M					E	E	E							M					M/E	M	M					
EF-2605	CEILING EXHAUST FAN (BOILER RM)	M	120	FHP	1														E		E	E							M					M/E	M	M					
EF-2606	DRYER BOOSTER FAN	M	120	FHP	1														E		E	E					M							E							
EF-2607	CEILING WASHROOM EXHAUST FAN (FDK C119)	M	120	FHP	1														E		E	E							M					M/E	M	M					ON WITH LIGHTS
EF-2608	CEILING WASHROOM EXHAUST FAN (WR R103)	M	120	FHP	1														E		E	E							M					M/E	M	M					ON WITH LIGHTS
EF-2609	CEILING WASHROOM EXHAUST FAN (WR R104)	M	120	FHP	1														E		E	E							M					M/E	M	M					ON WITH LIGHTS
EF-2610	CEILING EXHAUST FAN (ELEC RM)	M	120	FHP	1														E		E	E		M					M					M/E	M	M					
EF-2611	ROOF TOP WASHROOM EXHAUST FAN	M	120	1/4 HP	1															E	E	E							M					M/E	M	M					
EF-2612	CEILING EXHAUST FAN (KITCHEN)	M	120	FHP	1														E		E	E							M					M/E	M	M					
ERV-1	OUTDOOR ERV	M	575	6.9 FLA	3	15														E	E	E													M	M					
HP-26	HEAT PUMP/AC UNIT	M	208	18 MCA	3	25													E		E	E	M											M	M	M					
B-1	HYDRONIC BOILER	M	120	FHP	1			E									E	E	E		E	E													M	M					WIRE THRU LWC AND FLOW SWITCH
B-2	HYDRONIC BOILER	M	120	FHP	1			E									E	E	E		E	E													M	M					WIRE THRU LWC AND FLOW SWITCH
C-1	BOILER PUMP	M	208	1.5 HP	3				E				E				E		E		E	E													M	M					
C-2	BOILER PUMP	M	208	1.5 HP	3				E				E				E		E		E	E													M	M					
C-3	HYDRONIC PUMP	M	575	7.5 HP	3						M								E		E	E													M	M					
C-4	HYDRONIC PUMP	M	575	7.5 HP	3						M								E		E	E													M	M					
AC-1	ELECTRICAL ROOM AC UNIT	M	208	1 MCA	1	15													E		E	E	M											M/E	M	M			CU-1	E	FEED AC UNIT FROM CU
CU-1	ELECTRICAL ROOM CU UNIT	M	208	19 MCA	1	30														E	E	E	M											E	M	M			AC-1	E	
FBMB-1.1	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.2	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.3	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.4	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.5	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.6	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.7	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.8	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.9	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.10	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
FBMB-1.11	FAN POWERED BOX	M	120	16.4 MCA	1														E		E	E	M											M	M	M					
H-1	CABINET HEATER	M	120	FHP	1														E		E	E	M											M	M	M					
H-2	CABINET HEATER	M	120	FHP	1														E		E	E	M											M	M	M					
L-1	SINK W/ ELECTRIC FAUCET	M	120	FHP	1																E	E																			PROVIDE GF BREAKER
L-2	SINK W/ ELECTRIC FAUCET	M	120	FHP	1																E	E																			PROVIDE GF BREAKER
L-3	SINK W/ ELECTRIC FAUCET	M	120	FHP	1																E	E																			PROVIDE GF BREAKER
WF-1	WATER FOUNTAINS W/ ELECTRIC FAUCET	M	120	FHP	1																E	E																			
WF-2	WATER FOUNTAINS W/ ELECTRIC FAUCET	M	120	FHP	1																E	E																			
TRAP	TRAP PRIMER	M	120	FHP	1																E	E																			
WH-2	ELECTRIC WATER HEATER/BOILER	M	575	18 KW	3														E		E	E													M	M					
RP-2	RECIRC. PUMP	M	120	FHP	1														E		E	E							M					M/E	M	M					
BAS	BAS PANEL	M	120	FHP	1																E	E																			PROVIDE DATA DROP

Notes:

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Project Number: 25439

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
05-05-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

OUR LADY OF VICTORY ADDITION & RENOVATION
540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD
CDSB

EQUIPMENT WIRING SCHEDULE AND LIGHTING SCHEDULES

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MISSISSAUGA, ONTARIO L5L 3W8
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SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: CT	DRAWING: E104
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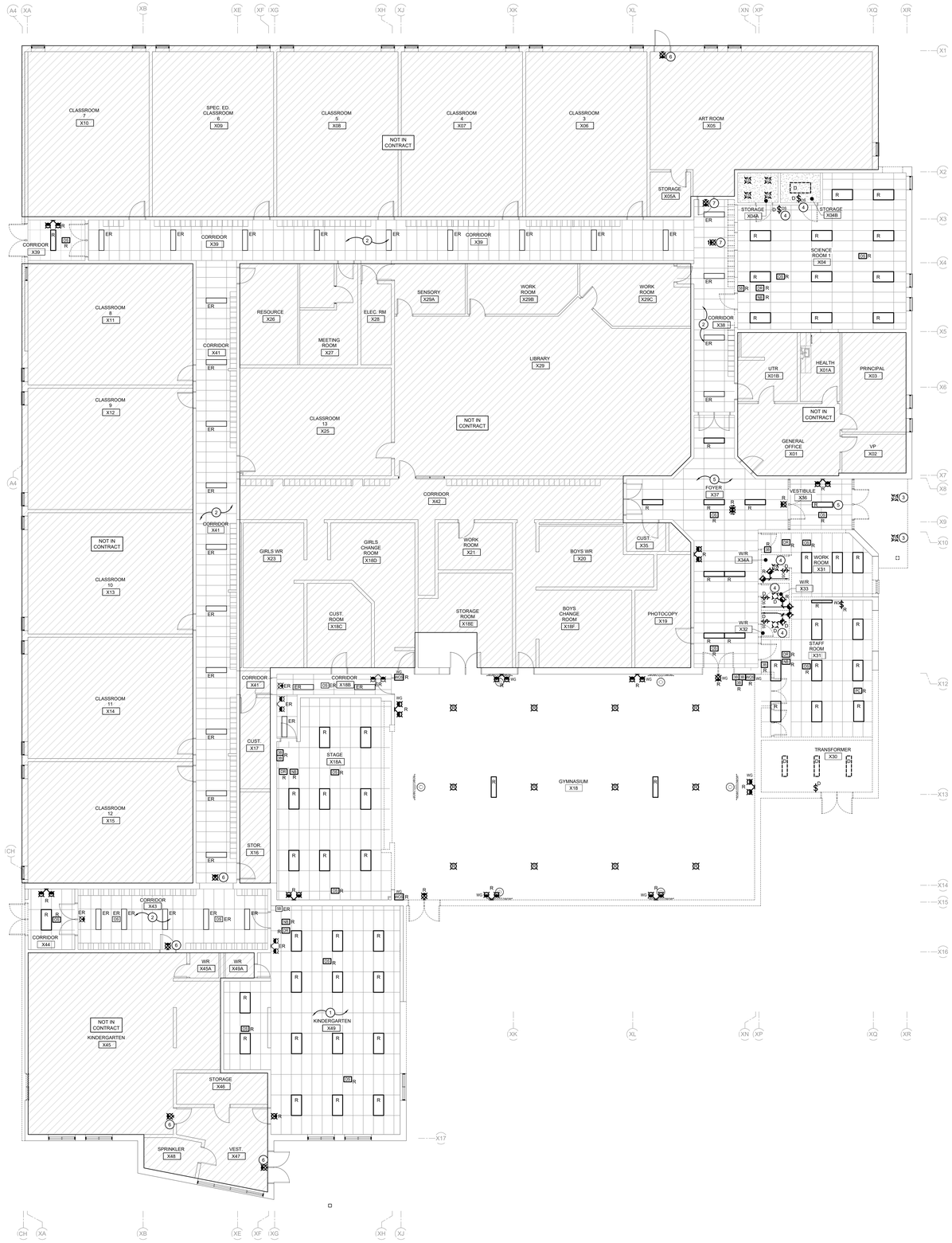

GROUND FLOOR PLAN - LIGHTING DEMOLITION

SCALE: 1:100

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 DEMOLISHED. 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. INDICATED AREA IS TO HAVE CEILING REPLACED. CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL ALL CEILING DEVICES WITHIN THIS AREA, EXTEND WIRING, CONDUIT, AND MOUNTING HARDWARE TO SUIT INSTALLATION OF NEW CEILINGS.
2. THIS CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL CEILING TILE AND CEILING DEVICES TO SUIT REQUIRED INSTALLATION. ANY DAMAGED OR FINGERPRINTED TILE MUST BE REPLACED.
3. LIGHTING DEVICES WITHIN EXTERIOR CANOPY ARE TO BE DISCONNECTED AND REMOVED COMPLETE. EXISTING CANOPY IS BEING REPLACED WITH NEW. MAINTAIN EXISTING CIRCUITS FOR RECONNECTION TO NEW FIXTURES. CONTRACTOR TO EXTEND EXISTING WIRING AND CONDUIT TO SUIT RENOVATION. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
4. INDICATED AREA TO HAVE ALL EXISTING LIGHTING CONTROLS DISCONNECTED AND REMOVED COMPLETE. CONTRACTOR TO TURN OVER ALL EXISTING LIGHTING CONTROLS TO SCHOOL BOARD.
5. MAINTAIN EXISTING CIRCUITS WITHIN THIS AREA FOR RECONNECTION TO FIXTURES AS PER RENOVATION PLANS.
6. INDICATES TEMPORARY EXIT SIGNS AND EMERGENCY FIXTURE TO BE USED DURING CONSTRUCTION. ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR IS TO REMOVE AND RETURN TO SCHOOL BOARD. CONNECT TO EXISTING EXIT SIGN CIRCUIT AND UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.

EXTENT OF DRAWING

KEY PLAN

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NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
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Association of Professional Engineers of Ontario
05-05-2026

OUR LADY OF VICTORY ADDITION & RENOVATION
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HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION GROUND FLOOR PLAN LIGHTING

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SCALE As indicated	PROJECT 25106
DATE MAY 2026	
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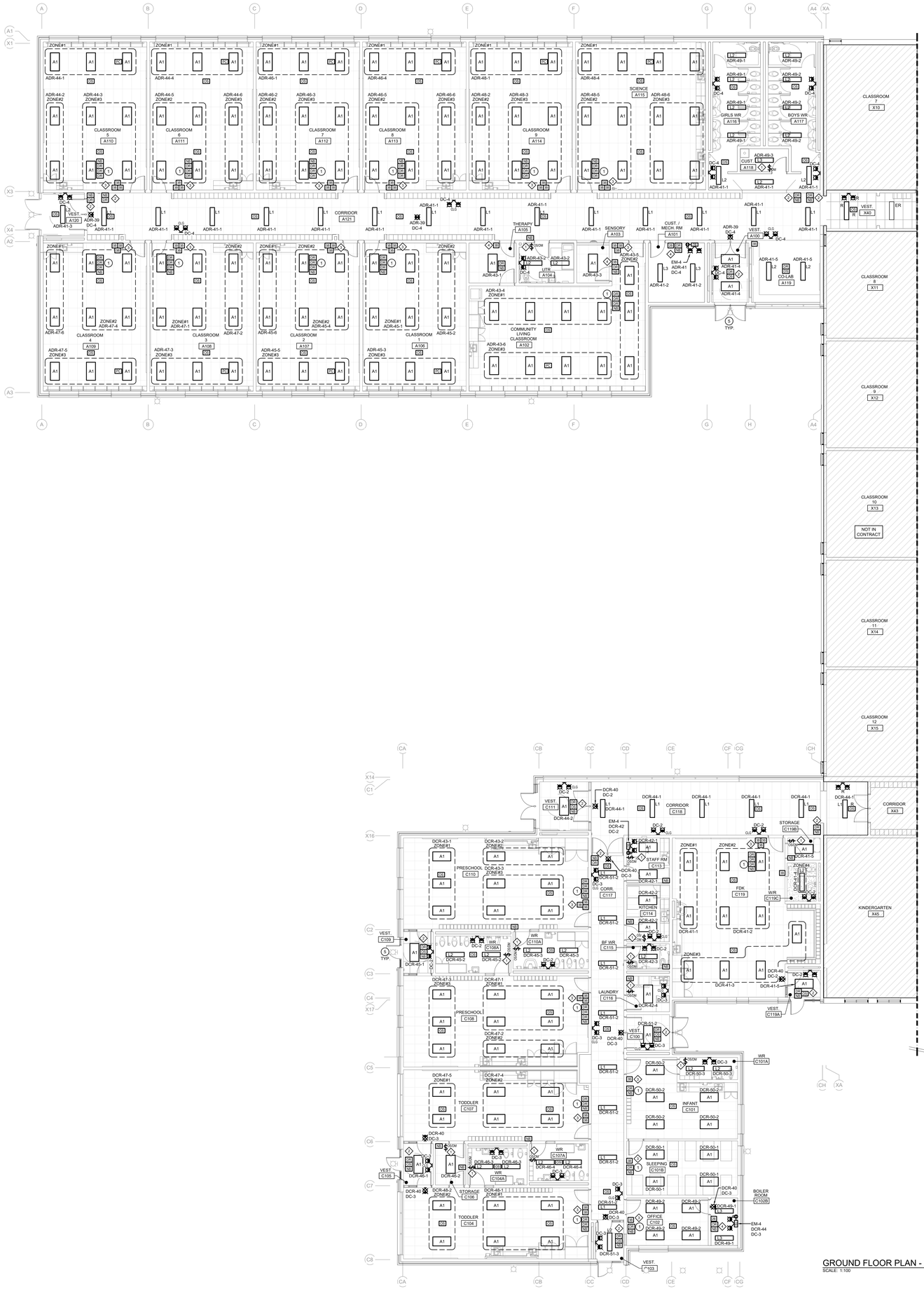
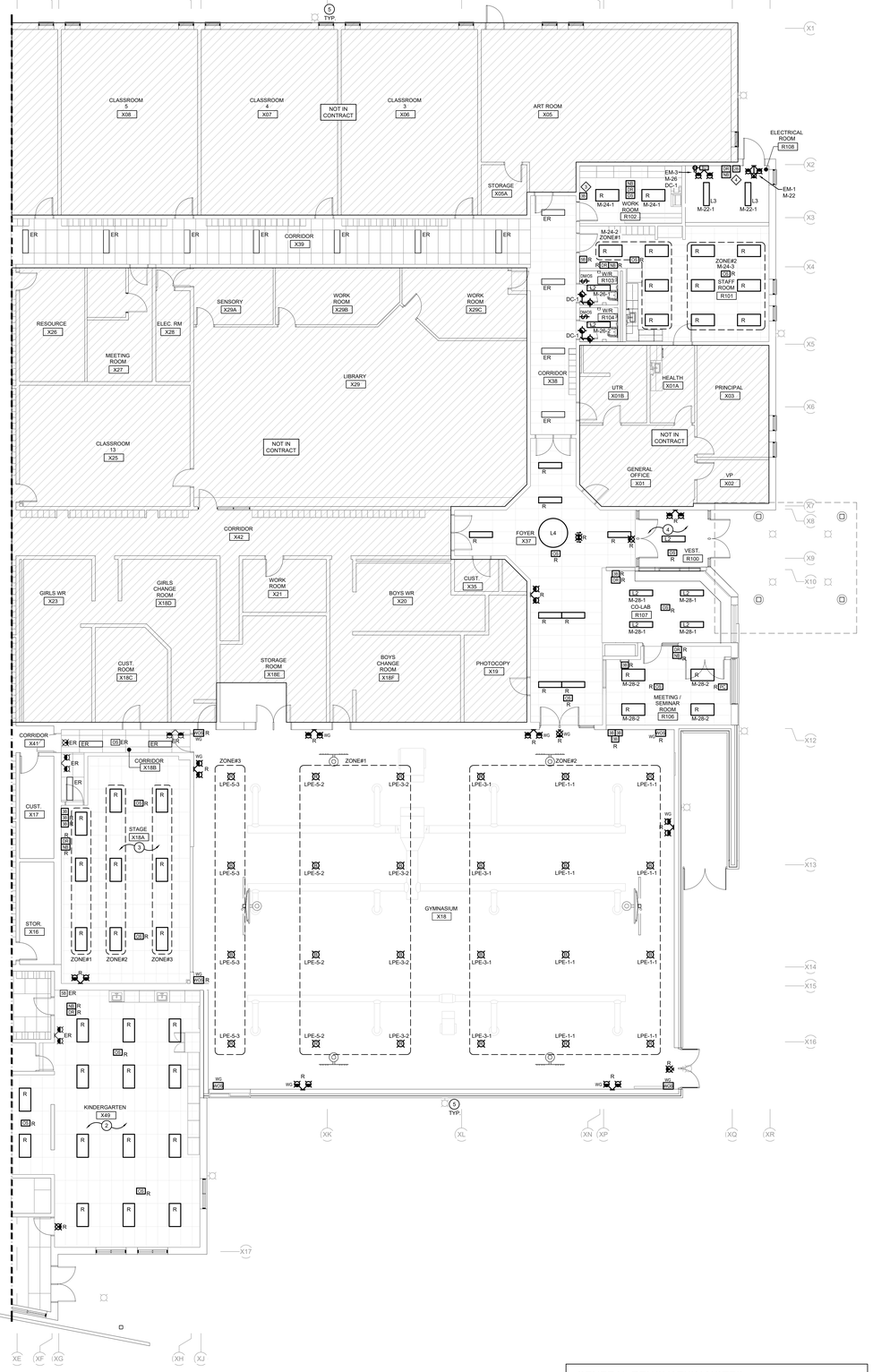


GROUND FLOOR PLAN - LIGHTING RENOVATION
SCALE: 1:100

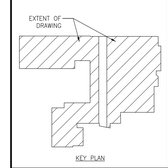


GENERAL RENOVATION NOTES

- '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. INDICATES DIGITAL RELAYS AND ASSOCIATED NETWORK BRIDGE CONNECTION INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED MOTION SENSOR(S). REFER TO LIGHTING CONTROL DETAIL.
2. ZONES WITHIN THIS ROOM ARE TO REMAIN AS CURRENTLY PROGRAMMED.
3. PROVIDE ADDITIONAL WALL SWITCH AND DIGITAL RELAYS FOR NEW ZONING WITHIN THIS ROOM AS SHOWN.
4. CONNECT INDICATED FIXTURES TO EXISTING LOCAL LIGHTING CIRCUITS AND EXISTING CONTROLS.
5. EXTERIOR LIGHTING FIXTURE LOCATIONS SHOWN FOR REFERENCE ON RENOVATION PLAN FOR COORDINATION WITH BUILDING STRUCTURE DUE TO DETAIL LEVEL. REFER TO SITE PLAN TYPES, QUANTITIES, AND LOCATIONS.
6. POWER SUPPLY AT EACH NETWORK BRIDGE IS TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. REFER TO LIGHTING CONTROL NETWORK DIAGRAM.



KEY PLAN

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Phone: 519 772 3555
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NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
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Association of Professional Engineers of Ontario
05-05-2026

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HALTON CATHOLIC DISTRICT SCHOOL BOARD

RENOVATION GROUND FLOOR PLAN LIGHTING

HOSSACK & ASSOCIATES ARCHITECTS
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SCALE	As indicated
DATE	MAY 2026
DRAWN	CT
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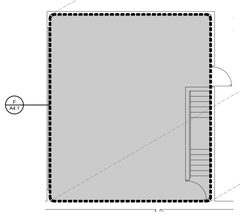
PROJECT	25106
DRAWING	E202



PENTHOUSE MECHANICAL ROOM

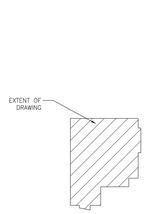
GROUND FLOOR PLAN - POWER AND SYSTEMS DEMOLITION
SCALE: 1:100

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 DEMOLISHED. 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 HIGH VOLTAGE ENCLOSURE WITH EXISTING TRANSFORMERS TO HAVE ALL EXISTING DEVICES DEMOLISHED. CONTRACTOR TO COORDINATE ENTRANCE INTO THIS AREA WITH UTILITY.
2. CEILING DEVICES IN THIS AREA TO BE REMOVED AND RE-INSTALLED TO SUIT ABOVE CEILING WORK. EXTEND EXISTING CONDUIT AND WIRING TO SUIT RENOVATION.
3. INDICATED PANEL IS TO BE REMOVED COMPLETE. REMOVE EXISTING TO REMAIN WIRING AND CONDUITS UP TO CEILING TERMINAL STRIPS TO THEN BE RECONNECTED TO NEW PANEL AT NEW LOCATION AS SHOWN ON RENOVATION DRAWINGS.
4. INDICATED AREA IS TO HAVE CEILING REPLACED. CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL ALL CEILING DEVICES WITHIN THIS AREA. EXTEND WIRING, CONDUIT, AND MOUNTING HARDWARE TO SUIT INSTALLATION OF NEW CEILINGS.
5. INDICATES EXISTING MECHANICAL DEVICE TO BE DISCONNECTED AND REMOVED COMPLETE. WIRING AND CONDUIT TO BE BROUGHT BACK TO SOURCE AND LABEL SOURCE BREAKER AS SPARE. PROVIDE UPDATED TYPEWRITTEN PANEL DIRECTORY.
6. INDICATES EXISTING MECHANICAL DEVICE TO BE REMOVED AND RELOCATED. WIRING AND CONDUIT TO BE RELOCATED/EXTENDED TO SUIT RENOVATION. REFER TO RENOVATION PLANS FOR ADDITIONAL INFORMATION.
7. INDICATES EXISTING SAFE WELCOME SYSTEM TO BE REMOVED AND RE-INSTALLED AS REQUIRED FOR RENOVATION.



KEY PLAN

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Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario
05-05-2026

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HALTON CATHOLIC DISTRICT SCHOOL BOARD

DEMOLITION GROUND FLOOR PLAN POWER AND SYSTEMS

HOSSACK & ASSOCIATES ARCHITECTS
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Tel (905) 607-8234 Fax (905) 607-8250

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: CT	DRAWING: E301
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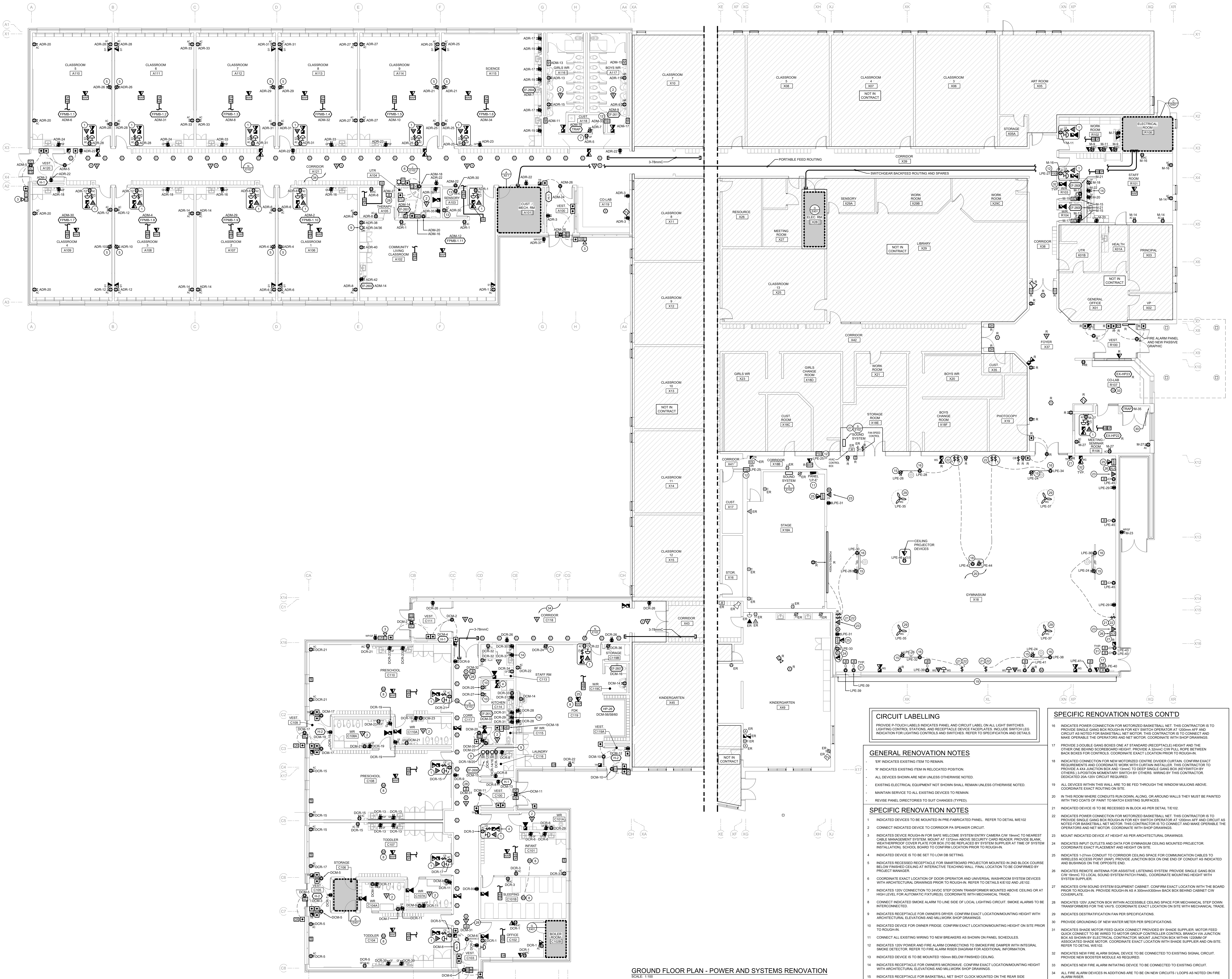

GROUND FLOOR PLAN - POWER AND SYSTEMS RENOVATION

SCALE: 1:100

CIRCUIT LABELLING

PROVIDE P-TOUCH LABELS INDICATES PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCHES. LIGHTING CONTROL STATIONS, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES. REFER TO SPECIFICATION AND DETAILS.

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
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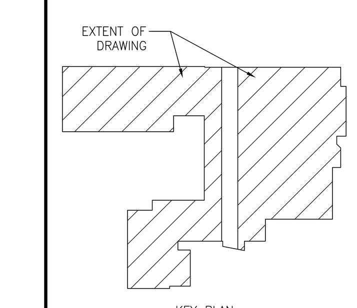
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

1. INDICATED DEVICES TO BE MOUNTED IN PRE-FABRICATED PANEL. REFER TO DETAIL M/E102
2. CONNECT INDICATED DEVICE TO CORRIDOR PA SPEAKER CIRCUIT.
3. INDICATES DEVICE ROUGH-IN FOR SAFE WELCOME SYSTEM ENTRY CAMERA C/W 19mmC TO NEAREST CABLE MANAGEMENT SYSTEM. MOUNT AT 1372mm ABOVE SECURITY CARD READER. PROVIDE BLANK, WEATHERPROOF COVER PLATE FOR BOX (TO BE REPLACED BY SYSTEM SUPPLIER AT TIME OF SYSTEM INSTALLATION). SCHOOL BOARD TO CONFIRM LOCATION PRIOR TO ROUGH-IN.
4. INDICATED DEVICE IS TO BE SET TO LOW DB SETTING.
5. INDICATES RECESSED RECEPTACLE FOR SMARTBOARD PROJECTOR MOUNTED IN 2ND BLOCK COURSE BELOW FINISHED CEILING AT INTERACTIVE TEACHING WALL. FINAL LOCATION TO BE CONFIRMED BY PROJECT MANAGER.
6. COORDINATE EXACT LOCATION OF DOOR OPERATOR AND UNIVERSAL WASHROOM SYSTEM DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. REFER TO DETAILS K/E102 AND J/E102.
7. INDICATES 120V CONNECTION TO 24VDC STEP DOWN TRANSFORMER MOUNTED ABOVE CEILING OR AT HIGH LEVEL FOR AUTOMATIC FIXTURE(S). COORDINATE WITH MECHANICAL TRADE.
8. CONNECT INDICATED SMOKE ALARM TO LINE SIDE OF LOCAL LIGHTING CIRCUIT. SMOKE ALARMS TO BE INTERCONNECTED.
9. INDICATES RECEPTACLE FOR OWNER'S DRYER. CONFIRM EXACT LOCATION/MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND MILLWORK SHOP DRAWINGS.
10. INDICATED DEVICE FOR OWNER FRIDGE. CONFIRM EXACT LOCATION/MOUNTING HEIGHT ON SITE PRIOR TO ROUGH-IN.
11. CONNECT ALL EXISTING WIRING TO NEW BREAKERS AS SHOWN ON PANEL SCHEDULES.
12. INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
13. INDICATED DEVICE IS TO BE MOUNTED 150mm BELOW FINISHED CEILING.
14. INDICATES RECEPTACLE FOR OWNER'S MICROWAVE. CONFIRM EXACT LOCATION/MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND MILLWORK SHOP DRAWINGS.
15. INDICATES RECEPTACLE FOR BASKETBALL NET SHOT CLOCK MOUNTED ON THE REAR SIDE OF EACH SINGLE POST AT A HEIGHT OF 1800mm ABOVE THE TOP OF EACH BACKBOARD. CONFIRM EXACT LOCATION AND REQUIREMENTS ON SITE WITH SHOT CLOCK SUPPLIER/INSTALLER.

SPECIFIC RENOVATION NOTES CONT'D

16. INDICATES POWER CONNECTION FOR MOTORIZED BASKETBALL NET. THIS CONTRACTOR IS TO PROVIDE SINGLE GANG BOX ROUGH-IN FOR KEY SWITCH OPERATOR AT 1200mm AFF AND CIRCUIT AS NOTED FOR BASKETBALL NET MOTOR. THIS CONTRACTOR IS TO CONNECT AND MAKE OPERABLE THE OPERATORS AND NET MOTOR. COORDINATE WITH SHOP DRAWINGS.
17. PROVIDE 2-DOUBLE GANG BOXES ONE AT STANDARD (RECEPTACLE) HEIGHT AND THE OTHER ONE BEHIND SCOREBOARD HEIGHT. PROVIDE A 32mmC C/W PULL ROPE BETWEEN BACK BOXES FOR CONTROLS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
18. INDICATED CONNECTION FOR NEW MOTORIZED CENTRE DIVIDER CURTAIN. CONFIRM EXACT REQUIREMENTS AND COORDINATE WORK WITH CURTAIN INSTALLER. THIS CONTRACTOR TO PROVIDE A 4X4 JUNCTION BOX AND 13mmC TO DEEP SINGLE GANG BOX (KEYSWITCH BY OTHERS.) 3-POSITION MOMENTARY SWITCH BY OTHERS. WIRING BY THIS CONTRACTOR. DEDICATED 20A-120V CIRCUIT REQUIRED.
19. ALL DEVICES WITHIN THIS WALL ARE TO BE FED THROUGH THE WINDOW MULIONS ABOVE. COORDINATE EXACT ROUTING ON SITE.
20. IN THIS ROOM WHERE CONDUITS RUN DOWN, ALONG, OR AROUND WALLS THEY MUST BE PAINTED WITH TWO COATS OF PAINT TO MATCH EXISTING SURFACES.
21. INDICATED DEVICE IS TO BE RECESSED IN BLOCK AS PER DETAIL T/E102.
22. INDICATES POWER CONNECTION FOR MOTORIZED BASKETBALL NET. THIS CONTRACTOR IS TO PROVIDE SINGLE GANG BOX ROUGH-IN FOR KEY SWITCH OPERATOR AT 1200mm AFF AND CIRCUIT AS NOTED FOR BASKETBALL NET MOTOR. THIS CONTRACTOR IS TO CONNECT AND MAKE OPERABLE THE OPERATORS AND NET MOTOR. COORDINATE WITH SHOP DRAWINGS.
23. MOUNT INDICATED DEVICE AT HEIGHT AS PER ARCHITECTURAL DRAWINGS.
24. INDICATES INPUT OUTLETS AND DATA FOR GYMNASIUM CEILING MOUNTED PROJECTOR. COORDINATE EXACT PLACEMENT AND HEIGHT ON SITE.
25. INDICATES 1-27mm CONDUIT TO CORRIDOR CEILING SPACE FOR COMMUNICATION CABLES TO WIRELESS ACCESS POINT (WAP). PROVIDE JUNCTION BOX ON ONE END OF CONDUIT AS INDICATED AND BUSHINGS ON THE OPPOSITE END.
26. INDICATES REMOTE ANTENNA FOR ASSISTIVE LISTENING SYSTEM. PROVIDE SINGLE GANG BOX C/W 19mmC TO LOCAL SOUND SYSTEM PATCH PANEL. COORDINATE MOUNTING HEIGHT WITH SYSTEM SUPPLIER.
27. INDICATES GYM SOUND SYSTEM EQUIPMENT CABINET. CONFIRM EXACT LOCATION WITH THE BOARD PRIOR TO ROUGH-IN. PROVIDE ROUGH-IN AS A 300mmX300mm BACK BOX BEHIND CABINET C/W COVERPLATE.
28. INDICATES 120V JUNCTION BOX WITHIN ACCESSIBLE CEILING SPACE FOR MECHANICAL STEP DOWN TRANSFORMERS FOR THE VAV'S. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL TRADE.
29. INDICATES DESTRATIFICATION FAN PER SPECIFICATIONS.
30. PROVIDE GROUNDING OF NEW WATER METER PER SPECIFICATIONS.
31. INDICATES SHADE MOTOR FEED QUICK CONNECT PROVIDED BY SHADE SUPPLIER. MOTOR FEED QUICK CONNECT TO BE WIRED TO MOTOR GROUP CONTROLLER CONTROL BRANCH VIA JUNCTION BOX AS SHOWN BY ELECTRICAL CONTRACTOR. MOUNT JUNCTION BOX WITHIN 1220MM OF ASSOCIATED SHADE MOTOR. COORDINATE EXACT LOCATION WITH SHADE SUPPLIER AND ON-SITE. REFER TO DETAIL W/E102.
32. INDICATES NEW FIRE ALARM SIGNAL DEVICE TO BE CONNECTED TO EXISTING SIGNAL CIRCUIT. PROVIDE NEW BOOSTER MODULE AS REQUIRED.
33. INDICATES NEW FIRE ALARM INITIATING DEVICE TO BE CONNECTED TO EXISTING CIRCUIT.
34. ALL FIRE ALARM DEVICES IN ADDITIONS ARE TO BE ON NEW CIRCUITS / LOOPS AS NOTED ON FIRE ALARM RISER.



KEY PLAN

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 25431

NO	ISSUED	DATE
3	ISSUED FOR TENDER	2026-05-05
2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario 05-05-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

OUR LADY OF VICTORY ADDITION & RENOVATION

540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD HCDSB

RENOVATION GROUND FLOOR PLAN POWER AND SYSTEMS

HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: CT	DRAWING: E302
CHECKED: DM	
PRINT DATE: 5/5/2026 11:38 AM	
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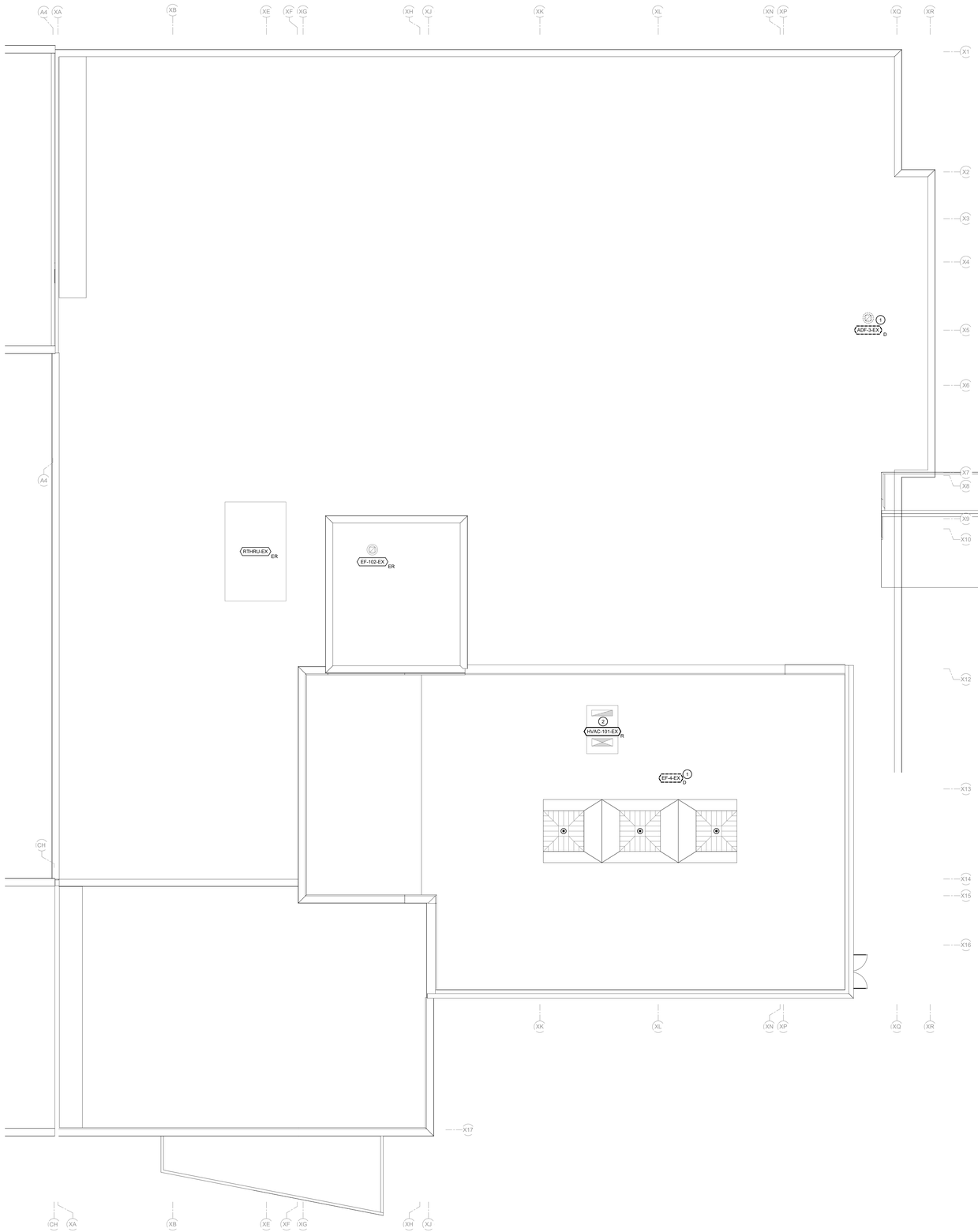


ROOF PLAN - DEMOLITION
SCALE: 1:100

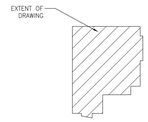
GENERAL DEMOLITION NOTES

- '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 DEMOLISHED. 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 MECHANICAL DEVICE TO BE DISCONNECTED AND REMOVED COMPLETE. WIRING AND CONDUIT TO BE BROUGHT BACK TO SOURCE AND LABEL SOURCE BREAKER AS SPARE. PROVIDE UPDATED TYPEWRITTEN PANEL DIRECTORY.

2 INDICATES MECHANICAL EQUIPMENT BEING REPLACED WITH NEW BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND RE-CONNECT EXISTING FEEDER TO NEW DEVICE. REFER TO RENOVATION PLANS FOR CONTINUATION.



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540 COMMERCIAL ST, MILTON, ON L9T 3R2

HALTON CATHOLIC DISTRICT SCHOOL BOARD CDSB

ROOFTOP DEMOLITION PLANS

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4-2155 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-6264 Fax (905) 607-6260

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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 PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL.

2 FEED INDICATED DEVICE FROM DOGHOUSE (PROVIDED BY MECHANICAL) ALONG MECHANICAL PIPING. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

EXTENT OF DRAWING

KEY PLAN

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HALTON CATHOLIC DISTRICT SCHOOL BOARD

ROOFTOP RENOVATION PLANS

HOSSACK & ASSOCIATES ARCHITECTS
4-2750 DUNWIN DRIVE
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SCALE As indicated	PROJECT 25106
DATE MAY 2026	
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CHECKED DM	
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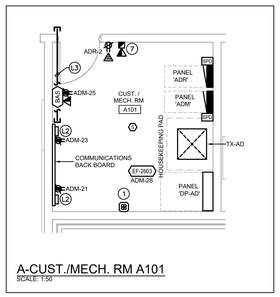

A-CUST./MECH. RM A101
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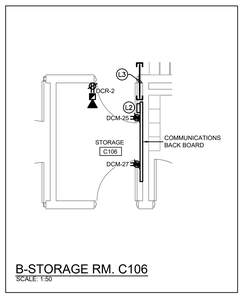

B-STORAGE RM. C106
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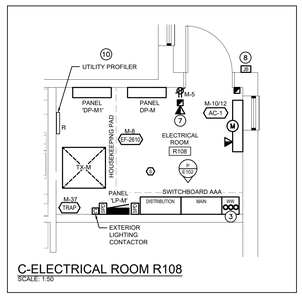
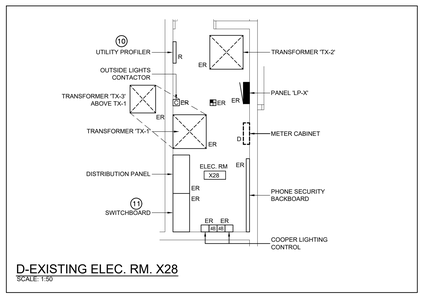


C-ELECTRICAL ROOM R108
SCALE: 1:50



D-EXISTING ELEC. RM. X28
SCALE: 1:50

GENERAL NOTES

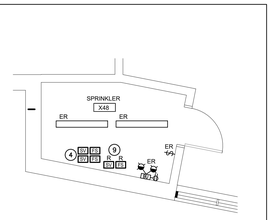
1. INDICATES APPROXIMATE LOCATION TO TERMINATE DUCTS FOR FUTURE PORTABLES AND SITE LIGHTING. REFER TO SITE PLAN FURTHER DETAILS. POWER FEED TO COME FROM NEW ELECTRICAL ROOM AND BE ROUTED THROUGH EXISTING CEILING SPACE.
2. PROVIDE 2438.4mm H X 19mm D X LENGTH AS SHOWN FIRE RATED PLYWOOD BACKBOARD FOR COMMUNICATION AND SECURITY CONTRACTOR'S USE. PAINT BACKBOARD WITH FIRE RETARDANT PAINT. MATCH TO COLOR AS DIRECTED ON SITE BY PROJECT MANAGER. FIRE RATED STAMP MUST BE ON ALL PIECES PROVIDED AND VISIBLE WHEN INSTALLED.
3. INDICATES APPROXIMATE LOCATION FOR 208V SECONDARY SERVICE DUCTS INTO SWITCHBOARD WIREWAY. REFER TO SITE PLAN FOR FURTHER INFORMATION. DUCT PENETRATIONS AT FOUNDATION WALLS TO BE SEALED INSIDE AND OUT.
4. INDICATES MECHANICAL DEVICES TO BE CONNECTED TO FIRE ALARM SYSTEM. ELECTRICAL CONTRACTOR MUST COORDINATE ALL SPRINKLER CONNECTION LOCATIONS AND QUANTITIES WITH AWARDED SPRINKLER CONTRACTOR. THESE DRAWINGS DO NOT INDICATE THE EXACT LOCATION OR QUANTITY OF CONNECTIONS REQUIRED. REFER TO FIRE ALARM RISER FOR FURTHER INFORMATION.
5. INDICATES UNISTRUT UPSTAND SECURED TO FLOOR AND STRUCTURE. FEED SERVICES TO LOCAL EQUIPMENT DOWN THIS UPSTAND. REFER TO DETAIL U/E102 AND CO-ORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
6. INDICATED BOILER SHUT OFF SWITCHES TO BE MOUNTED AT 1800mm A.F.F. PROVIDE LAMICOID LABEL NOTING DEVICE CONTROLLED.
7. INDICATED DEVICE IS TO BE SET TO LOW DB SETTING.
8. INDICATES PROPOSED LOCATION OF ROUGH-IN FOR UTILITY REMOTE METERING ANTENNA AT BUILDING EXTERIOR PER ELECTRICAL SERVICE SCOPE OF WORK. CONFIRM FINAL LOCATION WITH UTILITY METERING DEPARTMENT.
9. INDICATES EXISTING SPRINKLER ZONES ARE TO BE DISCONNECTED AND RECONNECTED AS REQUIRED FOR SPRINKLER WORK. REFER TO FIRE ALARM RISER AND SCHEDULE FOR QUANTITIES.
10. INDICATES EXISTING CARMA METERING TO BE RELCOATED TO NEW SWITCHBOARD ROOM. INCLUDE FOR CONNECTION TO NEW SWITCHBOARD.
11. INDICATES ELECTRICAL CONTRACTOR TO INCLUDE ROUTING THROUGH EXISTING WALL INTO SWITCHBOARD AS REQUIRED FOR BACKFEED TO EXISTING SWITCHBOARD. COORDINATEFEED INSTALLATION WITHIN CHASE. ALL SHUTDOWNS AND REWORK OF EXISTING SWITCHBOARD ENCLOSURE IS TO BE INCLUDED IN TENDER PRICE.

LAN ROOM NOTES

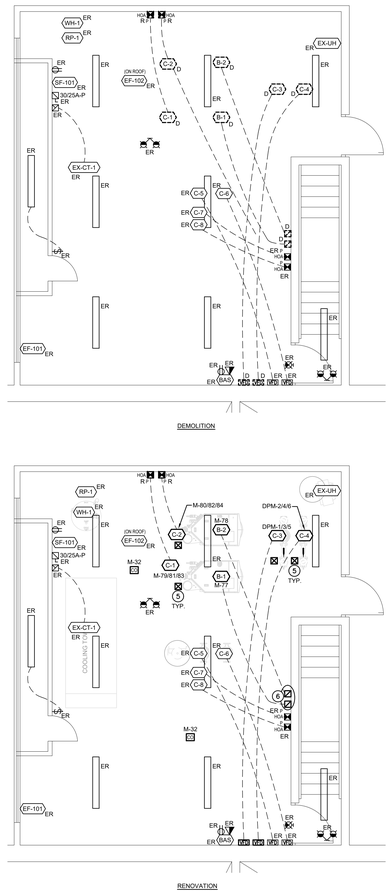
L1 EQUIPMENT PLACEMENT SHOWN FOR RELATIVE EQUIPMENT POSITIONING ONLY. COORDINATE WITH SCHOOL BOARD I.T. REPRESENTATIVE PRIOR TO ROUGH-INS.

L2 INDICATES 127mm X 50mm X 6mm (5" X 2" X 1/4") CU GROUND BUS MOUNTED AT TOP OF PLYWOOD BACKBOARD C/W #6 CU. (MIN.) INSULATED GROUND WIRE TO MAIN BUILDING GROUND.

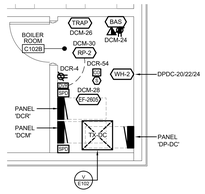
L3 INDICATES APPROXIMATE LOCATION OF 2-78mmC TO CORRIDOR CABLE MANAGEMENT SYSTEM. COORDINATE EXACT LOCATION ON SITE PRIOR TO ROUGH-IN.



E-SPRINKLER ROOM X48
SCALE: 1:50



F-MECH. PENTHOUSE PLANS
SCALE: 1:50



G-BOILER ROOM C102B
SCALE: 1:50

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HALTON CATHOLIC DISTRICT SCHOOL BOARD

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HOSSACK & ASSOCIATES ARCHITECTS
4-2700 SLAWKA DRIVE
MISSISSAUGA, ONTARIO L5L 5M6
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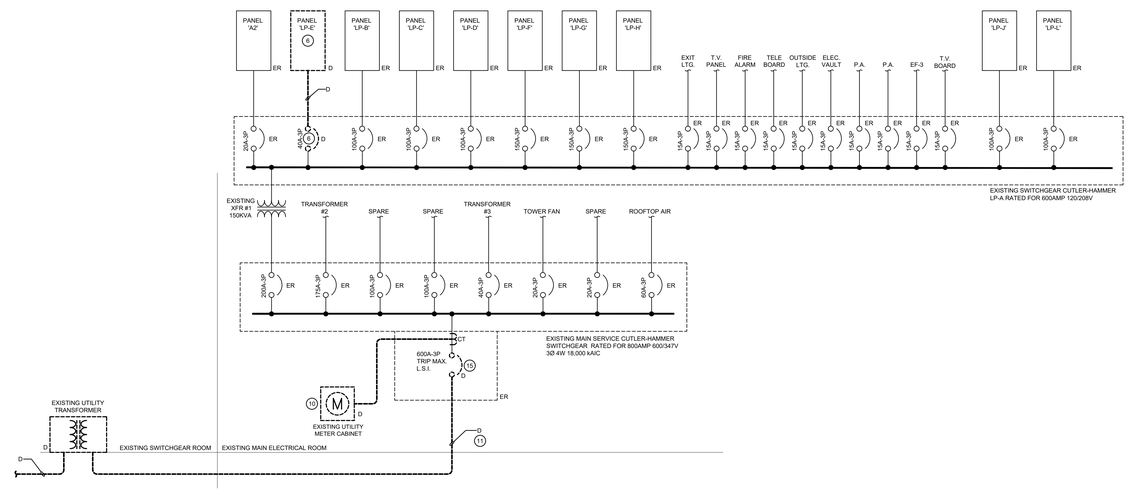
DRAWING	E401



A - DISTRIBUTION RISER DIAGRAM - DEMOLITION

SCALE: NTS

REPLACEMENT SERVICE RISER NOTES

A. 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 12-3000 AND BULLETIN 12-25-*.

B. ALL CONDUCTOR SPLICING SHALL BE MADE AS DETAILED IN RULE 12-112.

C. UNDERGROUND RACEWAYS ENTERING A BUILDING AND FORMING PART OF AN UNDERGROUND SERVICES SHALL BE SEALED AND SHALL:

a. ENTER THE BUILDING ABOVE GROUND WHERE PRACTICABLE; OR

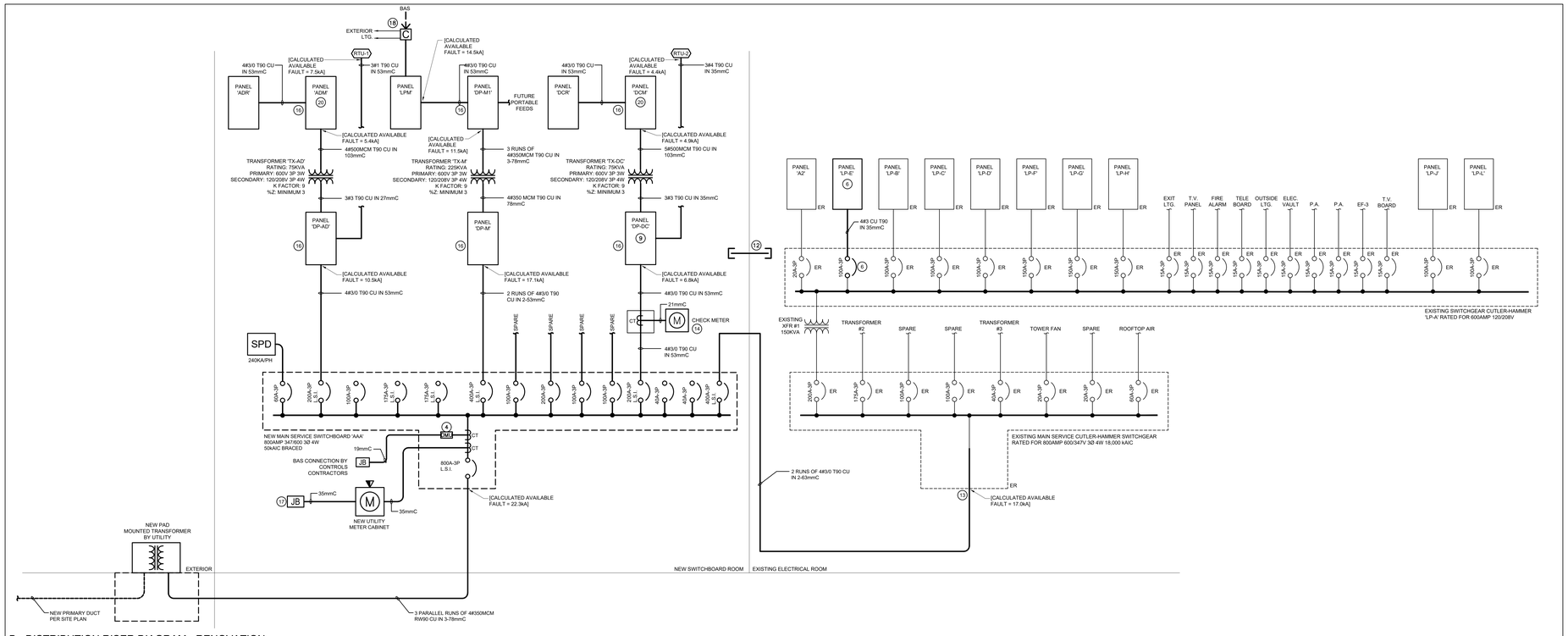
b. BE SUITABLY DRAINED; OR

c. BE INSTALLED IN SUCH A WAY THAT MOISTURE AND GAS WILL NOT ENTER THE BUILDING. RULE 6-300 3).

D. 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.

DISTRIBUTION RISER NOTES

1. REFER TO SPECIFICATION FOR INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
2. ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2).
3. PROVIDE ELECTRICAL SERVICE GROUND PER SPECIFICATIONS.
4. INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
5. ALL LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
6. EXISTING 40A-3P BREAKER WITHIN EXISTING WESTINGHOUSE 120V/208V 600A SWITCHGEAR IS TO BE DISCONNECTED AND REMOVED COMPLETE. PROVIDE NEW 100A-3P BREAKER AT THIS SAME LOCATION AND FEED NEW PANEL LP-E FROM NEW 100A BREAKER.
7. INCLUDE IN BID FOR ALL NOTED FEEDERS TO BE INSTALLED IN OVERHEAD RUNS OF CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ALL FLOOR MOUNTED EQUIPMENT SHALL BE PROVIDED WITH CONCRETE HOUSEKEEPING PADS PER SPECIFICATIONS.
9. INDICATED PANEL TO BE C/W MAIN BREAKER PER PANEL SCHEDULE.
10. REMOVE EXISTING METERING CABINET COMPLETE ONCE NEW UTILITY METERING CABINET IS INSTALLED.
11. EXISTING SECONDARY TO BE REMOVED. COORDINATE WITH UTILITY FOR SHUT DOWNS.
12. ELECTRICAL CONTRACTOR IS TO SUPPLY AND INSTALL SPARE 2-53MMC FROM EXISTING MAIN ELECTRICAL ROOM TO NEW SWITCHBOARD ROOM.
13. INDICATES ELECTRICAL CONTRACTOR TO INCLUDE ROUTING THROUGH EXISTING WALL INTO SWITCHBOARD AS REQUIRED FOR BACKFEED TO EXISTING SWITCHBOARD. COORDINATEFEED INSTALLATION WITHIN CHASE. ALL SHUTDOWNS AND REWORK OF EXISTING SWITCHBOARD ENCLOSURE IS TO BE INCLUDED IN TENDER PRICE.
14. INDICATES NEW 600V 3Ø CHECK METER FOR NEW DAYCARE FEED. METER TO BE C/W MODBUS & PULSE OUTPUTS FOR BAS MONITORING. OUTPUTS SHALL BE ENABLED AND CAPABLE OF COMMUNICATING WITH BAS AT TIME OF INSTALL. COORDINATE WITH BAS CONTRACTOR. METER SHALL BE EQUAL TO ACCUENERGY ACUREV 1310. SUPPLY AND INSTALL CTs WITHIN JUNCTION BOX ON LINE CONDUCTORS. CHECK METER IS TO BE INSTALLED WITHIN DIN RAIL ENCLOSURE ON WALL.
15. EXISTING MAIN BREAKER IS TO BE REMOVED ONCE NEW MAIN SWITCHBOARD IS IN SERVICE.
16. NEW DISTRIBUTION PANEL IS TO BE FULL SECTION TUB, NO PARTIAL SECTION PANELS WILL BE ACCEPTED.
17. INDICATES CONDUIT AND EXTERIOR WP JUNCTION BOX PROVIDED BY UTILITY AND INSTALLED BY ELECTRICAL CONTRACTOR FOR UTILITY REMOTE METERING ANTENNA. COORDINATE EXTERIOR PLACEMENT WITH BUILDING ELEVATIONS AND UTILITY.
18. INDICATES LIGHTING DUTY CONTACTOR FOR EXTERIOR PARKING AND BUILDING LIGHTING. CONTACTOR TO BE 120V/20A MULTI-POLE C/W INTEGRAL TRANSFORMER, 24V COIL, HAND-OFF-AUTO SELECTOR SWITCH AND RED PILOT LIGHT. PROVIDE CONDUIT CONNECTION TO NEAREST BAS PANEL FOR CONTACTOR CONTROL. REFER TO LIGHTING CONTROL SEQUENCE.
19. PROVIDE DIGITAL POWER METERING UNIT FOR MAIN BREAKER C/W SET OF OUTPUT CONTACTS CONFIGURED FOR BACNET/IP COMMUNICATIONS AND INERFACING OF MONITORED PARAMETERS TO BAS SYSTEM. REFER TO SPECIFICATION FOR FURTHER DETAILS AND REQUIREMENTS.
20. CONFIGURE THE NOTED 120/208V PANELBOARD TO INCLUDE THE MANUFACTURER'S APPROVED SUBFEED/MOUNTING HARDWARE FOR A 200A BREAKER WITHIN THE EXISTING PANELBOARD BUS RATING, WITHOUT INCREASING TO THE NEXT PANEL SIZE. PANEL IS TO BE FACTORY-CONFIGURED TO ACCOMMODATE THE 200A BREAKER USING THE APPROPRIATE SUBFEED KIT AND ACCESSORIES, AVOIDING THE NEED FOR A LARGER ENCLOSURE.



B - DISTRIBUTION RISER DIAGRAM - RENOVATION

SCALE: NTS

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HALTON CATHOLIC DISTRICT SCHOOL BOARD

DISTRIBUTION RISER

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PANEL 'DP-AD'

VOLTAGE: 347/600 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

SPACE		1	2		SPACE
SPACE		3	4		SPACE
SPACE		5	6		SPACE
SPACE		7	8		SPACE
SPACE		9	10		SPACE
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPACE		19	20		SPACE
SPACE		21	22		SPACE
SPACE		23	24		SPACE
TRANSFORMER TX-DC	90A	25	26	125A	ROOFTOP RTU-1 (RTU-1)
	L.S.I.	27	28		
	3P	29	30	3P	

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 14000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

PANEL 'DP-DC'

VOLTAGE: 347/600 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING:SURFACE
NOTES: C/W SPRINKLER HOOD

200A-3P MAIN BREAKER

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

SPACE		1	2	15A	OUTDOOR ERV UNIT
SPACE		3	4		
SPACE		5	6	3P	
SPACE		7	8		SPACE
SPACE		9	10		SPACE
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPACE		19	20	20A	BOILER ROOM WATER HEATER (WH-2)
SPACE		21	22		
SPACE		23	24	3P	
TRANSFORMER TX-DC	90A	25	26	70A	ROOFTOP RTU-2 (RTU-1)
	L.S.I.	27	28		
	3P	29	30	3P	

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

PANEL 'LP-M'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD
SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

ROOFTOP CONDENSING UNIT CU-1	30A	1	2		SPACE
(AC-1) (CU-1)	2P	3	4		SPACE
ELECTRICAL ROOM GEN. REC.	15A	5	6	20A	GYM ROOFTOP REC.
WORK RM. R102 COPIER REC.	20A	7	8	15A	ELEC ROOM R108 FAN (EF-2616)
WORK RM. R102 CONTROLLED RECS.	15A	9	10	15A	SPARE
WORK RM. R102 CONTROLLED RECS.	15A	11	12	15A	SPARE
W/R R103/R104 ELEC FAUCETS	15A*	13	14	15A	STAFF RM. R101 CONTROLLED RECS.
W/R R103/R104 GF RECEPTACLES	20A	15	16	15A	STAFF RM. R101 CONTROLLED RECS.
W/R R103/R104 HAND DRYER	20A*	17	18	15A	STAFF RM. R101 FRIDGE REC.
W/R R103/R104 HAND DRYER	20A*	19	20	20A	STAFF RM. R101 COUNTER REC.
(EF-2603) (EF-2602) W/R R103/R104 FANS	15A	21	22	15A	ELECTRICAL ROOM LIGHTING
EXTERIOR GARBAGE REC.	20A	23	24	20A	WORK RM R102/STAFF R101 LTG.
ROOFTOP GYM T-SLOT RECS.	20A	25	26	15A	WR R103 / WR R104 LTG.
SEMINAR RM. R106 CONTROLLED RECS.	15A	27	28	20A	COLAB R107/SEMINAR RM R106 LTG.
EXTERNAL SURGE PROTECTION	30A	29	30	20A	SITE LIGHTING
		31	32	15A	CO DETECTOR
	3P	33	34	20A	EXTERIOR POLE LIGHTING
(TRAP) MEETING R106 TRAP PRIMER	15A*	35	36	20A	EXTERIOR POLE LIGHTING
(TRAP) ELEC. ROOM R108 TRAP PRIMER	15A*	37	38		
		39	40		
		41	42		
		43	44		
		45	46		
		47	48		
		49	50		
		51	52		
		53	54		
		55	56		
		57	58		
		59	60		
SPARE	15A	61	62	15A	SPARE
SPARE	15A	63	64	15A	SPARE
SPARE	15A	65	66	15A	SPARE
SPARE	15A	67	68	15A	SPARE
SPARE	15A	69	70	15A	SPARE
SPARE	20A	71	72	20A	SPARE
SPARE	20A	73	74	20A	SPARE
SPARE	20A	75	76	20A	SPARE
(B-1) HYDRONIC PUMP	15A	77	78	15A	HYDRONIC PUMP (B-2)
(C-1) BOILER PUMP C-1	15A	79	80	15A	BOILER PUMP C-2 (C-2)
		81	82		
	3P	83	84	3P	

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 18000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

PANEL 'DP-M'

VOLTAGE: 347/600 VOLTS
PHASE: 3P, 4W
MAINS: 400A
NEUTRAL BUS: FULL
MOUNTING:SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

(C-3) HYDRONIC PUMP C-3	20A	1	2	20A	HYDRONIC PUMP C-4 (C-4)
		3	4		
	3P	5	6	3P	
SPACE		7	8		SPACE
SPACE		9	10		SPACE
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPACE		19	20		SPACE
SPACE		21	22		SPACE
SPACE		23	24		SPACE
TRANSFORMER TX-M	300A	25	26	15A	ROOFTOP HVAC-102 (HVAC-102)
	L.S.I.	27	28		
	3P	29	30	3P	

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 22000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

NEW PANEL 'LP-E'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 100A
NEUTRAL BUS: FULL
MOUNTING: RECESSED
NOTES:

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

GYM LIGHTING	20A	1	2	15A	STAFF FRIDGE RECEPTACLE
GYM LIGHTING	20A	3	4	15A	STAFF ROOM RECEPTACLES
GYM LIGHTING	20A	5	6	15A	GYM LIGHTING
WALL OUTLETS	15A	7	8	15A	STAFF ROOM MICROWAVE
SPARE	15A	9	10	2P	
STAGE LIGHTING	15A	11	12	15A	WATER STATION
HALL LIGHTING	15A	13	14	15A	LIBRARY
STAGE HALL RECEPTACLES	15A	15	16	15A	DISHWASHER
SPACE	15A	17	18	15A	HALL/ MACH. REC. AND LTG.
GYM NIGHT LIGHTS	15A	19	20	15A	STAFF ROOM SPLIT PLUG, EAST WALL
GYM NORTH WALL RECEPTACLES	15A	21	22	2P	FRIDGE, WATER COOLER
SOUTH/EAST REC. AND SCREEN RECS	15A	23	24	15A	GYMNASIUM SHOT CLOCK
FIRE SMOKE DAMPER	15A	25	26	15A	GYMNASIUM SHOT CLOCK
FIRE SMOKE DAMPER	15A	27	28	15A	GYMNASIUM BASKETBALL NET
GYMNASIUM OUTLETS	20A	29	30	15A	GYMNASIUM BASKETBALL NET
GYMNASIUM OUTLETS	20A	31	32	15A	GYMNASIUM BASKETBALL NET
PROJECTOR CONNECTION REC.	20A	33	34	15A	GYMNASIUM BASKETBALL NET
GYM FANS	15A	35	36	15A	GYMNASIUM BASKETBALL NET
GYM FANS	15A	37	38	15A	GYMNASIUM BASKETBALL NET
GYM MOTORIZED BLINDS	15A	39	40	15A	GYMNASIUM SCOREBOARD
GYM MOTORIZED BLINDS	15A	41	42	15A	GYMNASIUM DIVIDER
GYM MOTORIZED BLINDS	15A	43	44	15A	GYMNASIUM DIVIDER
GYM MOTORIZED BLINDS	15A	45	46	15A	GYMNASIUM PROJECTOR
SPARE	20A	47	48	15A	SPARE
SPARE	15A	49	50	15A	SPARE
SPARE	15A	51	52	15A	SPARE
SPARE	15A	53	54		SPACE
SPARE	15A	55	56		SPACE
SPACE		57	58		SPACE
SPACE		59	60		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.

PANEL 'ADM'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 400A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

ROOFTOP T-SLOT REC.	20A	1	2	25A	C.R. 1 FAN POWERED BOX
VEST. A120 HEATER	15A	3	4	25A	C.R. 3 FAN POWERED BOX
VEST. A120 DOOR OPERATORS	15A	5	6	25A	C.R. 5 FAN POWERED BOX
(EF-2604) SCIENCE EXHAUST FAN	15A	7	8	25A	C.R. 7 FAN POWERED BOX
(EF-2612) WASHROOM EXHAUST FAN	15A	9	10	25A	C.R. 9 FAN POWERED BOX
GIRLS WR A116 HAND DRYER	20A*	11	12	15A	LIVING C.R. FAN POWERED BOX
GIRLS WR A116 HAND DRYER	20A*	13	14	15A	LIVING C.R. AND UTR A104 EXHAUST
GIRLS WR A117 HAND DRYER	20A*	15	16	20A*	UTR HAND DRYERS
GIRLS WR A117 HAND DRYER	20A*	17	18	15A	UTR WASHROOM DOOR DEVICES
TRAP PRIMER	15A*	19	20	15A*	UTR SINK CONNECTIONS
CUST/MECH RM. A101 COMM. BB REC.	20A	21	22	20A*	BOTTLE FILLER CONNECTION
CUST/MECH RM. A101 COMM. BB REC.	20A	23	24	15A	VEST. A100 HEATER
BAS RECEPTACLE	20A	25	26	15A	VEST. A100 DOOR OPERATORS
VAV JUNCTION BOXES	15A	27	28	15A	CUST/MECH RM EF-2603 (EF-2603)
C.R. 2 FAN POWERED BOX	25A	29	30	25A	C.R. 4 FAN POWERED BOX
C.R. 6 FAN POWERED BOX	25A	31	32	25A	C.R. 8 FAN POWERED BOX
CUST. A118 FIRE SMOKE DAMPER	15A	33	34	25A	C.R. SCIENCE FAN POWERED BOX
SPACE		35	36		SPACE
SPACE		37	38		SPACE
SPACE		39	40		SPACE
SPACE		41	42		SPACE
SPARE	15A	43	44		SPACE
SPARE	15A	45	46		SPACE
SPARE	15A	47	48	15A	SPARE
SPARE	15A	49	50	15A	SPARE
SPARE	20A	51	52	15A	SPARE
SPARE	20A	53	54	15A	SPARE
EXTERNAL SURGE PROTECTION	30A	55	56	200A	PANEL ADR
		57	58		REFER TO NOTE 20 ON E501 FOR ADDITIONAL INFORMATION
	3P	59	60	3P	

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.

PANEL 'DCM'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 400A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

ROOFTOP T-SLOT REC.	20A	1	2	15A	VEST. C111 DOOR OPERATORS
VEST. C105 HEATER	15A	3	4	15A	VEST. C111 HEATER
VEST. C105 DOOR OPERATORS	15A	5	6	15A	VEST. C103 DOOR OPERATORS
W.R. C104A POWERED SINK	15A*	7	8	15A	VEST. C101 HEATER
W.R. C107A POWERED SINK	15A*	9	10	15A	VEST. C119A DOOR OPERATORS
VEST. C105 DOOR OPERATORS	15A	11	12	15A	VEST. C119A HEATER
VEST. C100 HEATER	15A	13	14	15A	FSK SINK RECEPTACLES
(EF-2606) DRYER BOOSTER FAN	15A	15	16	15A	WR C119C EXHAUST FAN
VEST. C109 DOOR OPERATORS	15A	17	18	20A*	B.F. WR C115 HAND DRYER
VEST. C109 HEATER	15A	19	20	15A	B.F. WR C115 DOOR DEVICES
W.R. C108A/C110A ELECTRONIC SINKS	15A*	21	22	15A	B.F. WR C115 SINK FAUCETS
W.R. C108A/C110A SINK RECEPTACLE	15A	23	24	20A	BAS RECEPTACLE
STORAGE C106 COMM. BB REC.	20A	25	26	15A*	TRAP PRIMER (TRAP)
STORAGE C106 COMM. BB REC.	20A	27	28	15A	BOILER ROOM EF-2614 (EF-2605)
WR C101A ELEC FAUCET	15A*	29	30	15A	BOILER RECIRC PUMP (RP-2)
VAV JUNCTION BOXES	15A	31	32	15A	VAV JUNCTION BOXES
(EF-2612) KITCHEN EXHAUST FAN	15A	33	34		SPACE
SPACE		35	36		SPACE
SPACE		37	38		SPACE
SPARE	15A	39	40		SPACE
SPARE	15A	41	42		SPACE
SPARE	20A	43	44		SPACE
SPARE	20A	45	46	15A	SPARE
SPARE	20A	47	48	15A	SPARE
SPARE	20A	49	50	25A	HEAT PUMP/AC UNIT (HP-26)
SPARE	20A	51	52		
SPARE	20A	53	54	3P	
EXTERNAL SURGE PROTECTION	30A	55	56	200A	PANEL DCR
		57	58		REFER TO NOTE 20 ON E501 FOR ADDITIONAL INFORMATION
	3P	59	60	3P	

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

PANEL 'DP-M1'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 1000A
NEUTRAL BUS: FULL
MOUNTING:SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

SPACE		1	2		SPACE
SPACE		3	4		SPACE
SPACE		5	6		SPACE
SPACE		7	8		SPACE
SPACE		9	10		SPACE
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
PANEL LPM	200A	19	20	250A	FUTURE PORTABLE SPARE
		21	22	L.S.I.	
	3P	23	24	3P	
FUTURE PORTABLE SPARE	250A	25	26	250A	FUTURE PORTABLE SPARE
	L.S.I.	27	28	L.S.I.	
	3P	29	30	3P	

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 14000A PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

PANEL 'ADR'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD
SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

COMM. LIVING C.R. A102 AC REC'S	15A	1	2	15A	CUST./MECH. RM. C101 GEN. REC.
VEST. A100/ CO-LAB A119 T-SLOT RECS.	20A	3	4	15A	CR A106/A107 PROJECTOR RECS.
WASHROOM A116/A117 XFORMER	15A*	5	6	15A	CR A106/A107 CONTROLLED RECS.
CUST. A118 GEN REC.	15A	7	8	15A	CR A106/A105 CONTROLLED RECS.
BOYS WR A117 SINK GF REC.	15A	9	10	15A	CR A108/A109 PROJECTOR RECS.
BOYS WR A117 SINK GF REC.	15A	11	12	15A	CR A108/A109 CONTROLLED RECS.
GIRLS WR A116 SINK GF REC.	15A	13	14	15A	CR A107/A108 CONTROLLED RECS.
GIRLS WR A116 SINK GF REC.	15A	15	16	20A	CR A106/A107 COUNTER T-SLOT RECS.
SCIENCE A115 COUNTER T-SLOT RECS.	20A	17	18	20A	CR A108/A109 COUNTER T-SLOT RECS.
SCIENCE A115 COUNTER T-SLOT RECS.	20A	19	20	15A	CR A109/A110 CONTROLLED RECS.
SCI. A115/CR A114 PROJECTOR RECS	15A	21	22	20A	VEST. A120/ CORR. A121 T-SLOT RECS.
SCI. A115/CR A114 GF COUNTER RECS	20A	23	24	20A	CR A110/A111 COUNTER T-SLOT RECS.
SCI. A115/CR A114 CONTROLLED RECS	15A	25	26	15A	CR A110/A111 PROJECTOR RECS.
CR A113/CR A114 CONTROLLED RECS	15A	27	28	15A	CR A110/A111 CONTROLLED RECS.
CR A112/CR A113 PROJECTOR RECS	15A	29	30	15A	SENSORY A103 RECS.
CR A112/CR A113 CONTROLLED RECS	15A	31	32	20A	THERAPY A105 COUNTER RECS.
CR A111/CR A112 CONTROLLED RECS	15A	33	34	30A	CLC A102 DRYER
UTR A104 SINK COUNTER REC.	20A	35	36	2P	
EXTERIOR T-SLOT REC.	20A	37	38	15A	CLC A102 WASHER
ADDITION WING EXIT LIGHTING	20A	39	40	15A	CLC A102 FRIDGE REC.
CORR A121/MECH A101 LTG.	20A	41	42	20A	CLC A102 COUNTER T-SLOT REC.
CLC A102/A105/A104/ SENSORY A103 LTG.	20A	43	44	20A	CR A110/A111 LIGHTING
CR A106/A107 LIGHTING	20A	45	46	20A	CR A112/A113 LIGHTING
CR A108/A109 LIGHTING	20A	47	48	20A	CR A114/A115 LIGHTING
ADDITION AREA WASHROOM LTG	20A	49	50	20A	EXTERIOR LIGHTING
SPACE		51	52		SPACE
SPACE		53	54		SPACE
SPACE		55	56		SPACE
SPACE		57	58		SPACE
SPACE		59	60		SPACE
SPACE		61	62		SPACE
SPARE	15A	63	64		SPACE
SPARE	15A	65	66		SPACE
SPARE	15A	67	68		SPACE
SPARE	15A	69	70	15A	SPARE
SPARE	15A	71	72	15A	SPARE
SPARE	20A	73	74	15A	SPARE
SPARE	20A	75	76	15A	SPARE
SPARE	20A	77	78	15A	SPARE
EXTERNAL SURGE PROTECTION	30A	79	80	20A	SPARE
		81	82	20A	SPARE
	3P	83	84	20A	SPARE

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

PANEL 'DCR'

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 200A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD
SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

OFFICE C102 CONTROLLED RECS.	15A	1	2	15A	STORAGE RM. C106 GEN. REC.
C101/C101B CONTROLLED RECS	15A	3	4	15A	BOILER RM. C102B GEN. REC.
TODDLER C104 CONTROLLED RECS.	15A	5	6	20A	INFANT C101/WR C101A GF REC.
VEST. C105/C100/VEST. T-SLOT RECS.	20A	7	8	20A	VEST. C100/LAUNDRY T-SLOT REC.
CORR. C117 T-SLOT RECS.	20A	9	10	15A	LAUNDRY C116 WASHER
C104A/C107A WR T-SLOT RECS.	20A	11	12	15A	LAUNDRY C116 WASHER
C107A/C108 SINK T-SLOT RECS.	20A	13	14	30A	LAUNDRY C116 DRYER
C107A/C108 CONTROLLED RECS.	15A	15	16	2P	
C107A/C108 CONTROLLED RECS.	15A	17	18	30A	LAUNDRY C116 DRYER
WR C108A/C110A/VEST C109 T-SLOT RECS	20A	19	20	2P	
PRESCHOOL CONTROLLED RECS.	15A	21	22	15A	FDK C119 CONTROLLED RECS.
PRESCHOOL SINK GF RECEPTACLES	20A	23	24	15A	FDK C119 SMART BOARD RECS.
KITCHEN C114 FRIDGE RECEPTACLE	15A	25	26	20A	CORR. C118 T-SLOT RECS.
KITCHEN C114 FRIDGE RECEPTACLE	15A	27	28	20A	FDK C119 SINK GF RECEPTACLES
KITCHEN C114 MICROWAVE	20A	29	30	20A	STAFF RM C113 COUNTER REC.
KITCHEN C114 COUNTER T-SLOTS	20A	31	32	15A	STAFF RM C113 GEN RECEPTACLES
KITCHEN C114 DISHWASHER	15A*	33	34	15A	STAFF RM C113 FRIDGE RECS.
BF WR C115 T-SLOT SINK REC.	20A	35	36	15A	STOR. C119B GEN. REC.
STAFF RM C113 MICROWAVE	20A	37	38	20A	UTR A104 FUTURE LIFT REC.
TODDLER RM C104 SINK RECS.	20A	39	40	20A	DAYCARE AREA EXIT LIGHTING
FDK C119 LIGHTING	20A	41	42	20A	STAFF RM C113 LIGHTING
PRESCHOOL C110 LIGHTING	20A	43	44	20A	CORR. C118 LIGHTING
VEST C109/ WR C108A/ WR C110A LTG.	20A	45	46	20A	VEST C105/C106/ C104A/C107A LTG.
PRESCHOOL C108/ TODDLER C107 LTG.	20A	47	48	20A	TODDLER C104 LIGHTING
OFFICE C103/ BOILER CM. C102B	20A	49	50	20A	SLEEPING C101B/ INFANT C101 LTG.
CORRIDOR C117 LTG.	20A	51	52	20A	EXTERIOR LIGHTING
SPACE		53	54	15A	CO DETECTOR
SPACE		55	56		SPACE
SPACE		57	58		SPACE
SPACE		59	60		SPACE
SPACE		61	62		SPACE
SPARE	15A	63	64		SPACE
SPARE	15A	65	66		SPACE
SPARE	15A	67	68		SPACE
SPARE	15A	69	70	15A	SPARE
SPARE	15A	71	72	15A	SPARE
SPARE	20A	73	74	15A	SPARE
SPARE	20A	75	76	15A	SPARE
SPARE	20A	77	78	15A	SPARE
EXTERNAL SURGE PROTECTION	30A	79	80	20A	SPARE
		81	82	20A	SPARE
	3P	83	84	20A	SPARE

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

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NO	ISSUED	DATE
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2	ISSUED FOR PERMIT	2026-03-27
1	ISSUED FOR CLASS A COSTING	2026-03-04

Professional Engineers Ontario
05-05-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100239476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

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PANEL SCHEDULES

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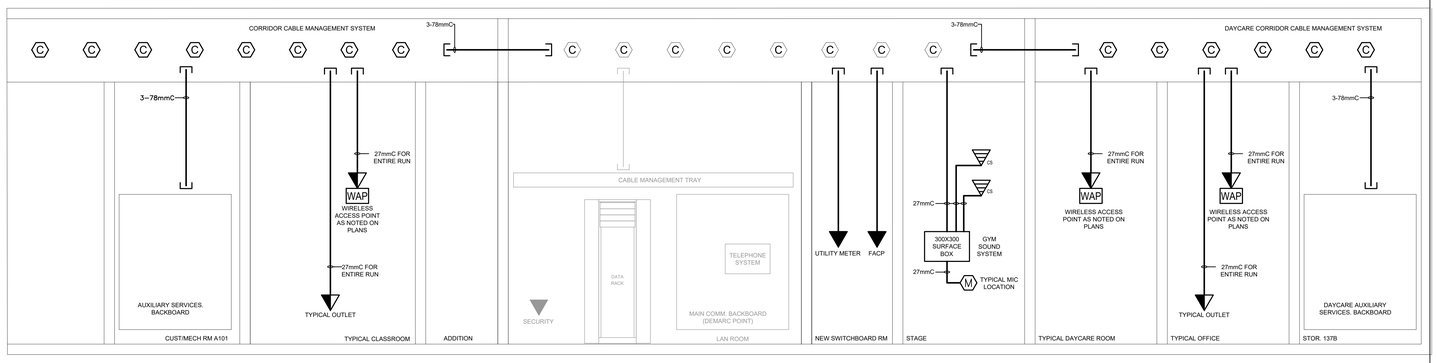
SCALE: As indicated	PROJECT: 25106
DATE: MAY 2026	
DRAWN: CT	DRAWING: E502
CHECKED: DM	
PRINT DATE:	5/5/2026 11:38 AM
REVIT FILE:	

GENERAL NOTES

1. REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES. REFER TO ENLARGED PLANS FOR LAYOUTS OF LAN/EQUIPMENT ROOMS.
2. ALL WIRING SHOWN MUST BE PER SPECIFICATION AND INSTALLED IN CABLE MANAGEMENT SYSTEM IN THE CORRIDOR. THE ELECTRICAL CONTRACTOR IS TO PROVIDE CONDUIT FROM ROUGHED-IN DEVICES TO CABLE TRAY IN THE CORRIDOR.
3. TELECOM OUTLETS TO SUIT LAYOUT INDICATED ON FLOOR PLANS TO BE PROVIDED BY SCHOOLBOARD VOICE/DATA VENDOR AS PART OF SEPARATE TENDER. COMBINATION VOICE/DATA DROPS SHALL HAVE CONDUIT AND BACKBOX SHARED BETWEEN DATA AND PA/PHONE SYSTEM VENDOR.
4. REFER TO PUBLIC ADDRESS RISERS ALONG WITH FLOOR PLANS FOR QUANTITY AND ROUTING OF SHARED RISER CONDUITS AND SLEEVES, AS WELL AS OUTLETS FOR PUBLIC ADDRESS SYSTEM.

STAGE NOTES

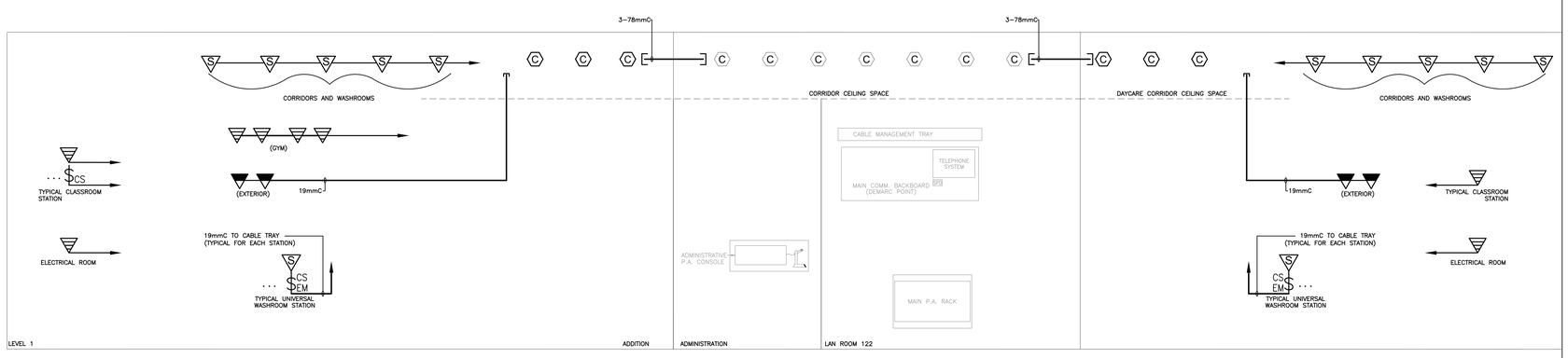
1. REFER TO FLOOR PLANS FOR QUANTITIES AND LOCATION OF SOUND SYSTEM INPUT OUTLETS(MICS) AND COLUMN SPEAKERS.
2. PROVIDE CONDUIT AS NOTED TO SINGLE GANG BACKBOXES AT EACH DEVICE.
3. COORDINATE ALL REQUIREMENTS WITH SCHOOL BOARD REPRESENTATIVE.



A–TELECOM SYSTEM RISER DIAGRAM
SCALE: NTS

GENERAL NOTES

1. REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES. ALL DEVICES, EQUIPMENT AND CABLING IS TO BE SUPPLIED AND INSTALLED BY SCHOOLBOARD PUBLIC ADDRESS VENDOR AS PART OF A SEPARATE TENDER.
2. CONFIRM ALL REQUIREMENTS WITH PUBLIC ADDRESS VENDOR PRIOR TO ROUGH-IN OF EQUIPMENT.
3. INDICATES TELECOM RISER CONDUITS PER TELECOM RISER AND FLOOR PLANS.
4. ALL WIRING SHOWN MUST BE PER SPECIFICATION AND INSTALLED IN CABLE MANAGEMENT HANGERS IN THE CORRIDOR. THE ELECTRICAL CONTRACTOR IS TO PROVIDE CONDUIT FROM ROUGHED-IN DEVICES TO CABLE MANAGEMENT HANGERS IN THE CORRIDOR.



A–PUBLIC ADDRESS, PHONE & SOUND SYSTEM RISER DIAGRAM
SCALE: NTS

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FIRE ALARM SEQUENCE OF OPERATIONS

BASIS OF EXISTING FIRE ALARM SEQUENCE OF OPERATION – SINGLE STAGE. FIRE ALARM CONTRACTOR IS TO VERIFY EXISTING PROGRAMMING TO CONFIRM. IT IS NOT THE INTENT TO UPDATE SEQUENCES FOR EXISTING DEVICES AND AUXILIARY FUNCTIONS ALREADY PROGRAMMED AND OPERATING:

THE FIRE ALARM SYSTEM SHALL BE A SINGLE STAGE SYSTEM CONSISTING OF CONTROL PANEL(S), REMOTE ANNUNCIATOR(S), NOTIFICATION DEVICES, ALARM INITIATING DEVICES, SUPERVISORY INITIATING DEVICES, AND ANCILLARY CONNECTIONS AS INDICATED ON ELECTRICAL DESIGN DRAWINGS AND SPECIFICATIONS.

ALARM ACTIVATION

1 UPON ACTIVATION OF ANY ALARM INITIATING DEVICE (MANUAL STATION, HEAT DETECTOR, SMOKE DETECTOR, DUCT DETECTOR SPRINKLER WATER FLOW DEVICE, SUPPRESSION SYSTEM, ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM ALARM ACTIONS:
   - A. ACTIVATE THE RESPECTIVE RED ALARM LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
   - B. CAUSE ZONE OF ALARM INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
   - C. CAUSE AUXILIARY CONTACTS TO ACTIVATE AND INITIATE ELEVATOR RECALL PER CSA-B44 (EXCLUDING ALARM INITIATED BY MANUAL PULL STATIONS).
   - D. CAUSE AUXILIARY CONTACTS TO ACTIVATE AIR-HANDLING UNIT SHUT DOWN (EXCLUDING MUA FOR CORRIDORS SERVING SUITES OF RESIDENTIAL OCCUPANCY WHICH SHALL NOT AUTOMATICALLY SHUT DOWN)
   - E. CAUSE AUXILIARY CONTACTS TO ACTIVATE AND ELECTRO-MAGNETICALLY HELD OPEN DOORS TO CLOSE AUTOMATICALLY.
   - F. CAUSE AUXILIARY CONTACTS TO SIGNAL HVLS FANS TO SHUTDOWN (ON INITIATION SIGNAL FROM SPRINKLER WATER FLOW DEVICE WITHIN FLOOR AREA HVLS FAN SERVES)
   - G. ACTIVATE THE COMMON ALARM POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE ALARM CONDITION.
   - H. CAUSE THE ALARM AUDIBLE NOTIFICATION DEVICES TO SOUND A TEMPORAL 3 PATTERN THROUGHOUT THE BUILDING UNTIL SILENCED.
   - I. CAUSE THE VISUAL NOTIFICATION DEVICES TO ACTIVATE THROUGHOUT THE BUILDING UNTIL AUDIBLE ALARM IS SILENCED OR SYSTEM RESET.
   - J. LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

SUPERVISORY ACTIVATION

1 OPERATION OF ANY SUPERVISORY INITIATING DEVICE (SPRINKLER SHUT-OFF VALVE OR LOW-PRESSURE SWITCH, DUCT DETECTOR HEATER LOSS OF AC POWER, GENERATOR RUNNING OR TROUBLE CONTACT, FIRE PUMP RUNNING, HEAT TRACING OF SPRINKLER/STANDPIPE, SNOW MELT FOR EXIT PATH, ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM SUPERVISORY ACTIONS:
   - A. CAUSE A SUPERVISORY ALARM TO LATCH INTO THE SYSTEM.
   - B. ACTIVATE THE RESPECTIVE YELLOW SUPERVISORY LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S)
   - C. CAUSE ZONE OF SUPERVISORY INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
   - D. ACTIVATE THE COMMON SUPERVISORY POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE SUPERVISORY CONDITION.
   - E. SOUND THE AUDIBLE CONTROL PANEL BUZZER.
   - F. LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

TROUBLE ACTIVATION

1 OPERATION OF ANY SYSTEM OR DEVICE TROUBLE SIGNAL SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM TROUBLE ACTIONS:
   - A. CAUSE AN AUDIBLE AND VISUAL TROUBLE SIGNAL AT THE CONTROL PANEL(S) AND REMOTE TROUBLE INDICATOR(S).
   - B. ACTIVATE THE COMMON TROUBLE POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE TROUBLE CONDITION.
   - C. LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.
   - D. DESCRIBE THE NATURE OF THE TROUBLE ON THE CONTROL PANEL(S) LCD DISPLAY AND REMOTE ANNUNCIATOR PANEL(S). THE FOLLOWING SYSTEM AND DEVICE TROUBLE CONDITIONS SHALL BE MONITORED:
      - a. OPEN CIRCUIT FAULT IN THE FIELD WIRING OF AN ADDRESSABLE LOOP, ADDRESSABLE DETECTION, SIGNAL MODULE, OR A SHORT CIRCUIT ON AN ADDRESSABLE LOOP, CONVENTIONAL DETECTION OR SIGNAL CIRCUIT.
      - b. DISCONNECTION OR FAILURE OF THE STANDBY BATTERIES.
      - c. A GROUND FAULT CONDITION ON A LOOP OR SIGNAL CIRCUIT FIELD WIRE.
      - d. FAILURE OF THE MAIN 120VAC POWER SUPPLIED TO THE PANEL.
      - e. REMOVAL OR MALFUNCTION OF ANY ADDRESSABLE FIELD DEVICE OR ANY SUPERVISED PANEL MODULE OR COMPONENT.
      - f. FIRE/SMOKE DAMPER MONITOR MODULE SIGNAL FOR LOSS OF AC POWER TO DAMPER ASSEMBLY

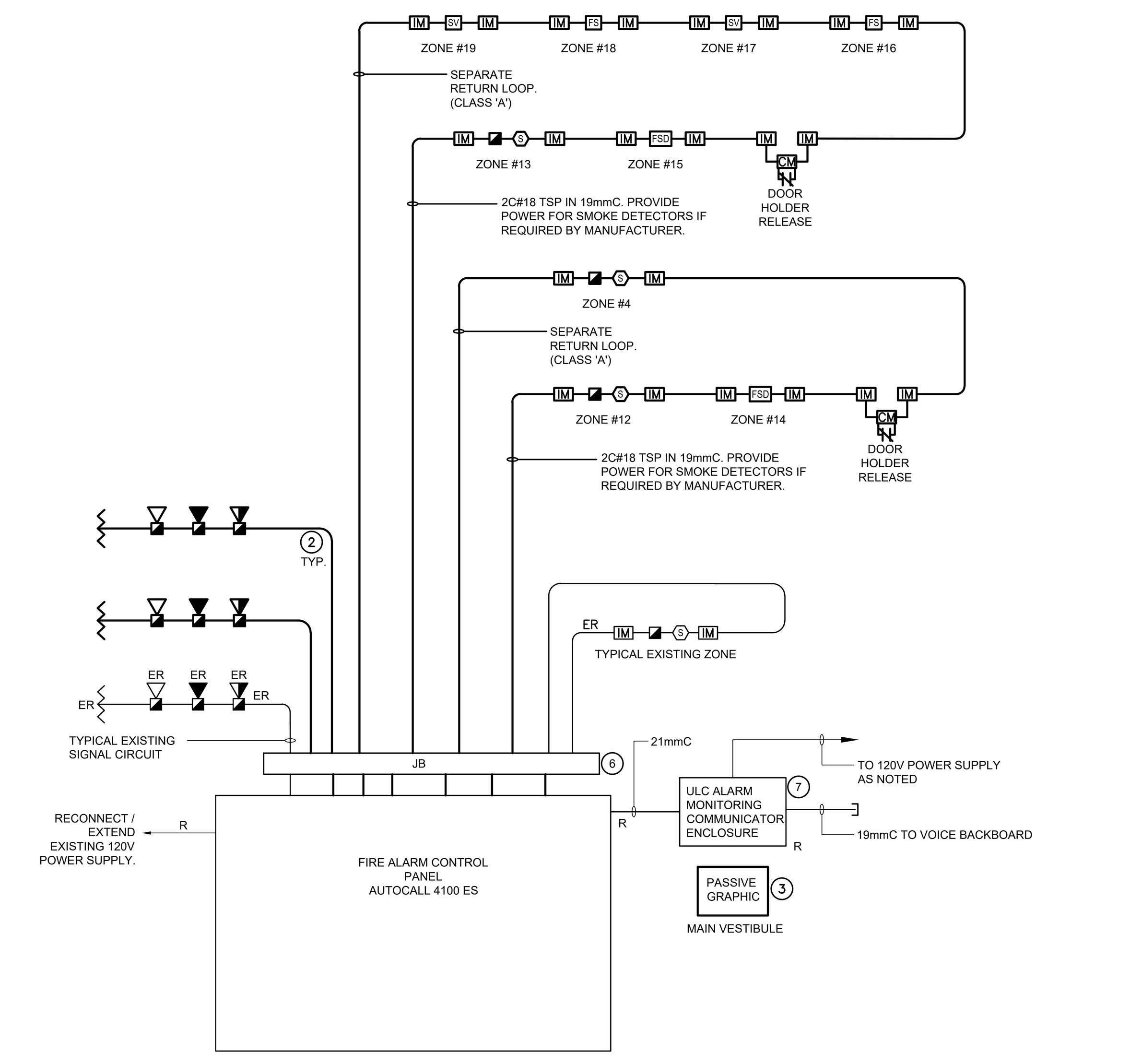
SYSTEM SILENCE

1 THE AUDIBLE NOTIFICATION DEVICES SHALL CONTINUE TO SOUND DURING ALARM CONDITIONS UNTIL MANUALLY OR AUTOMATICALLY SILENCED. AUTOMATIC SILENCING SHALL NOT BE POSSIBLE DURING THE FIRST 5 MIN OF ALARM OPERATION.

2 THE CONTROL PANELS AND REMOTE BUZZERS SHALL BE SILENCED BY OPERATION OF THE PANELS ACKNOWLEDGE SWITCH.

SYSTEM RESET

1 THE ALARM, SUPERVISORY AND TROUBLE CONDITIONS SHALL BE CLEARED ONLY UPON ACTIVATION OF THE FIRE ALARM CONTROL PANEL RESET SWITCH, AFTER THE DEVICE THAT INITIATED THE ALARM HAS BEEN CLEARED OR RESTORED.



GROUND FLOOR

A-FIRE ALARM RISER DIAGRAM AND SCHEDULE
SCALE: NTS

FIRE ALARM RISER NOTES

1 INDICATES DUCT DETECTOR FOR MECHANICAL EQUIPMENT AS NOTED. PROVIDE SEPARATE ZONE WIRING HOMERUN TO CONTROL PANEL. REFER TO ENLARGED PLAN AND SPECIFICATIONS FOR FURTHER DETAILS.

2 INDICATES NEW SIGNAL DEVICES TO BE FED FROM NEW SIGNAL CIRCUITS FROM THE FIRE ALARM CONTROL PANEL.

3 EXISTING FIRE ALARM ANNUNCIATOR AND GRAPHIC ARE TO BE UPDATED/REPLACED TO SUIT RENOVATION.

4 INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. ADD ONE TROUBLE SIGNAL TO FIRE ALARM PANEL FOR THE SUPERVISION OF 120V POWER CONNECTION. ALARM SIGNAL TO INTEGRAL SMOKE DETECTOR SHALL BE CONNECTED TO LOCAL SIGNALING ZONE. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE TWO MONITORING MODULES PER SMOKE/FIRE DAMPER ONE TO SUPERVISE 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND ONE FOR INTEGRAL SMOKE DETECTOR ALARM SIGNAL. ADD FIRE SMOKE/DAMPERS TO EXISTING LOCAL ALARM ZONE.

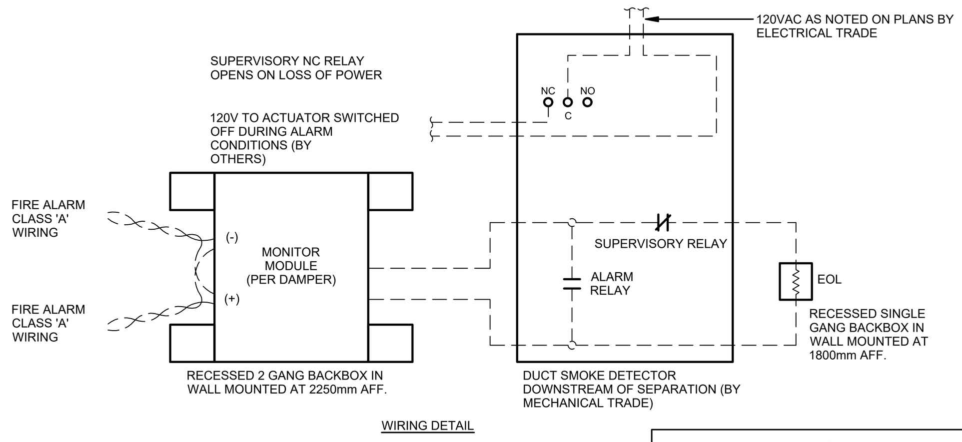
5 EXISTING TRANSFORMER VAULT IS TO HAVE EXISTING FIRE ALARM DEVICES DEMOLISHED. ZONE IS TO BE REVISED FOR NEW SWITCHBOARD ROOM.

6 INDICATES NEW JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION OF SIGNAL AND INITIATING CIRCUIT WIRING IN ACCESSIBLE LOCATION ABOVE PREVIOUS FIRE ALARM CONTROL PANEL LOCATION.

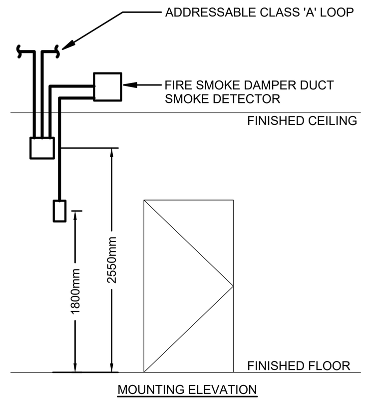
7 CONTRACTOR IS TO EXTEND CONDUITS AND CIRCUIT FOR THE EXISTING SECURITY AND VOICE (ULC MONITORING) FROM THE EXISTING LOCATION TO NEW.

EXISTING FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory	New	Existing
1	MAIN FLR & LIBRARY	●			●
2	MECH. PENTHOUSE	●			●
3	GYM	●			●
(5) 4	NEW SWITCHBOARD ROOM	●		●	
5	PORTABLES	●			●
6	PENTHOUSE DUCT SMOKE	●			●
7	SPARE	●			●
8	MAIN FLR. HALLWAYS	●			●
9	SPRINKLER FLOW	●			●
10	SPRINKLER SV SHUT OFF VALVE		●		●
11	SPRINKLER LOW PRESSURE		●		●
12	NORTH ADDITION	●		●	
13	DAYCARE ADDITION	●		●	
14	NORTH ADDITION FIRE SMOKE DAMPERS	●		●	
15	DAYCARE ADDITION FIRE SMOKE DAMPERS	●		●	
16	NORTH ADDITION FLOW SWITCH	●		●	
17	NORTH ADDITION SUPERVISED VALVE		●	●	
18	DAYCARE ADDITION FLOW SWITCH	●		●	
19	DAYCARE ADDITION SUPERVISED VALVE		●	●	
20					
21					
22					
23					
24					



WIRING DETAIL



MOUNTING ELEVATION

NOTES:
1. MONITOR MODULE AND END OF LINE RESISTOR DEVICE MOUNTING HEIGHTS SHALL BE PER CAN/ULC S524 (LATEST EDITION). EACH DAMPER SHALL BE PROVIDED WITH AN INDIVIDUAL MONITOR MODULE.
2. MOUNT DEVICES WITHIN ACCESSIBLE LOCATIONS IN SERVICE ROOMS, WHERE POSSIBLE, IN THE VICINITY OF RESPECTIVE FIRE SMOKE DAMPER. DEVICES IN FINISHED SPACES TO BE C/W FLUSH MOUNT DEVICE BOXES AND COVERS. DEVICE COVERS TO BE LABELLED PER CAN/ULC S524 (LATEST EDITION).

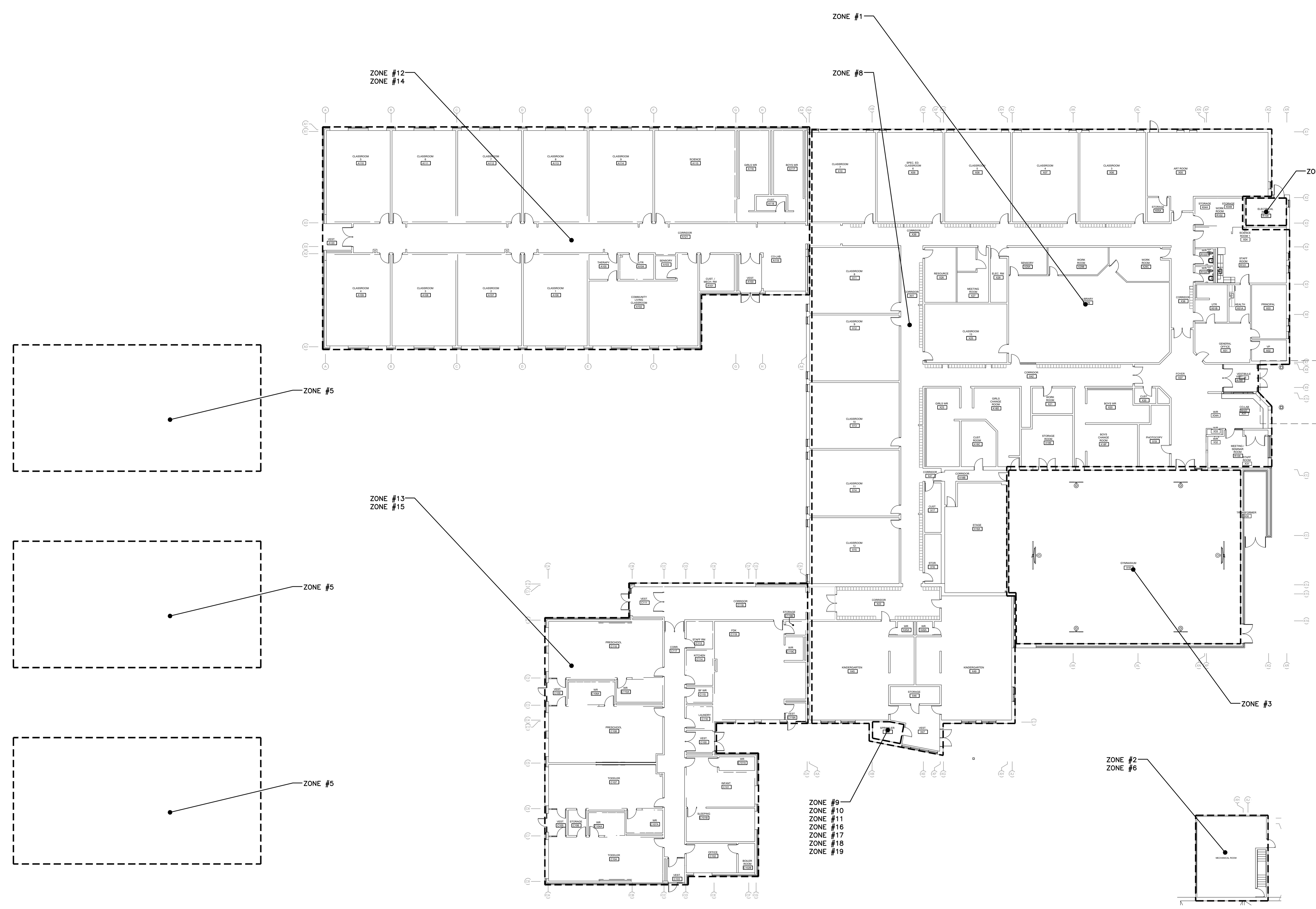
SEQUENCE OF OPERATIONS

NORMAL CONDITION:
ALARM CONTACT OPEN, AUXILIARY CONTACT CLOSED, AC POWER IS PROVIDED TO DAMPER ACTUATOR, DAMPER IS OPEN.

ALARM CONDITION:
ALARM CONTACT CLOSES, BUILDING FIRE ALARM IS ACTIVATED, AUXILIARY CONTACT OPENS, AC POWER IS REMOVED FROM DAMPER ACTUATOR.

SUPERVISION:
LOSS OF AC POWER, COVER LEFT OFF, WIRING ISSUE WILL CAUSE TROUBLE CONDITION. SUPERVISORY CONTACT OPENS, MAIN FIRE ALARM CONTROL PANEL WILL INDICATE TROUBLE, ADDRESSABLE MODULE WILL INDICATE DAMPER LOCATION. DAMPER POSITION IS NOT MONITORED BY FIRE ALARM CONTROL PANEL.

C-FIRE/SMOKE DAMPER INSTALLATION DETAIL
SCALE: NTS



B-FIRE ALARM PASSIVE GRAPHIC
SCALE: NTS

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