APPENDIX - E4



MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

JUNE 2026

PDSB TENDER NO. RFTMA26-5334

HOSSACK
ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(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

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON, M3B 3P6

MGM CONSULTING INC
Consulting Engineering & Project Management
400 Bronte Street South
Suite 201
Milton, Ontario
L9T 0H7
Tel: (905) 567-8878
Fax: (905) 875-1339
Email: mgm@mgm.on.ca
www.mgm.on.ca

FRP Inc.
landscape.architects
1077 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

DISANO SPRINKLER DESIGN
80 Tiverton Ct, Suite No. 700
Markham, ON, L3R 0G4

MAYFIELD WEST #2 PUBLIC SCHOOL

ARCHITECTURAL, CIVIL, LANDSCAPE

SV TOPOGRAPHIC SURVEY (OLS)
SP1 SITE PLAN
SP2 SITE PLAN DETAILS

TP100 TREE INVENTORY & PRESERVATION PLAN
TP101 TREE INVENTORY & PRESERVATION NOTES & DETAILS
L100 LANDSCAPE PLAN
L101 LANDSCAPE PLAN NOTES
L102 SUBDRAINAGE PLAN
L110 LANDSCAPE ENLARGEMENTS PLAN
L120 SCHEMATIC IRRIGATION PLAN
L121 SCHEMATIC IRRIGATION DETAILS
L200 PLANTING PLAN
L201 SOIL VOLUME PLAN
L300 PLANTING DETAILS
L301 LANDSCAPE DETAILS
L302 LANDSCAPE DETAILS

CV-1 EROSION & SEDIMENT CONTROL PLAN
CV-2 GRADING PLAN
CV-3 SERVICING PLAN

A01 FIRE SEPARATIONS & OBC MATRIX
A02 GROUND FLOOR PLAN
A03 SECOND FLOOR PLAN
A04 ROOF PLAN
A05 GROUND FLOOR REFLECTED CEILING PLAN
A06 SECOND FLOOR REFLECTED CEILING PLAN
A07 EXTERIOR ELEVATIONS
A08 BUILDING SECTIONS 1
A09 BUILDING SECTIONS 2
A10 WALL SECTIONS AND DETAILS
A11 WALL SECTIONS AND DETAILS
A12 WALL SECTIONS AND DETAILS
A13 WALL SECTIONS AND DETAILS
A14 WALL SECTIONS AND DETAILS
A15 SECTION & PLAN DETAILS
A16 INTERIOR ELEVATIONS
A17 INTERIOR ELEVATIONS
A18 INTERIOR ELEVATIONS
A19 INTERIOR ELEVATIONS
A20 ENLARGED WASHROOM PLANS & INTERIOR ELEVATIONS
A21 GYMNASIUM LAYOUT AND DETAILS
A22 STAIR PLANS AND DETAILS
A23 STAIR PLANS AND DETAILS
A24 CURTAIN WALLS & WINDOWS SCHEDULE
A25 FLOOR PATTERN PLANS AND DETAILS

STRUCTURAL

S00 COVER PAGE
S0-01 DESIGN CRITERIA NOTES
S0-02 PLAN NOTES, MISC SCHEDULES AND DETAILS
S1-01 FOUNDATION PLAN
S1-02 SECOND FLR / LOW ROOF FRAMING PLAN
S1-03 ROOF FRAMING PLAN
S1-04 MECHANICAL PENTHOUSE ROOF FRAMING PLAN
S2-01 COLUMN SCHEDULE
S3-01 FOUNDATION SECTIONS
S3-02 ELEVATOR SECTIONS
S4-01 FLOOR SECTIONS
S4-02 FLOOR SECTIONS
S5-01 ROOF SECTIONS
S5-02 ROOF SECTIONS
S5-03 ROOF SECTIONS
S6-01 GENERAL NOTES AND TYPICAL DETAILS
S6-02 TYPICAL DETIALS
S6-03 TYPICAL DETAILS
S6-04 TYPICAL DETAILS
S6-05 TYPICAL DETAILS
S6-06 TYPICAL DETAILS

HVAC

M1 HVAC - GROUND FLOOR PLAN
M2 HVAC - SECOND FLOOR PLAN
M3 HVAC - MECHANICAL ROOM PLANS & SECTIONS
M4 HVAC - ROOF PLAN & DUST COLLECTION
M5 HVAC - FLOW DIAGRAM
M6 HVAC - SCHEDULES
M7 HVAC - DETAILS (1)
M8 HVAC - DETAILS (2)

PLUMBING

PD1 PLUMBING & DRAINAGE GROUND FLR PLAN
PD2 PLUMBING & DRAINAGE SECOND FLR PLAN
PD3 PLUMBING & DRAINAGE PART PLANS
PD4 PLUMBING & DRAINAGE DETAILS & LEGEND

SPRINKLER

SPK1 SPECIFICATIONS AND DETAILS
SPK2 SPRINKLER LAYOUT & DETAILS GROUND FLOOR
SPK3 SPRINKLER LAYOUT & DETAILS SECOND FLOOR

ELECTRICAL

E1 ELECTRICAL SITE PLAN AND DETAILS
E2 ELECTRICAL LEGEND OF SYMBOLS & DETAILS
E3 ELECTRICAL DETAILS
E4 ELECTRICAL NOTES AND DETAILS
E5 ELEC GROUND FLR LIGHTING LAYOUT
E6 ELEC GROUND FLR POWER LAYOUT
E7 ELEC SECOND FLR LIGHTING LAYOUT
E8 ELEC SECOND FLR POWER LAYOUT
E9 ELECTRICAL GROUND FLOOR FIRE ALARM & SECURITY LAYOUT AND DETAILS
E10 ELECTRICAL SECOND FLOOR FIRE ALARM & SECURITY LAYOUT
E11 ELECTRICAL ROOF PLAN
E12 ELEC. FIRE ALARM SYSTEM RISER DIAGRAM
E13 ELEC. SECURITY RISER AND LOCKDOWN DETAILS
E14 ELEC. AUDIO/ VIDEO SYSTEM RISER DIAGRAM
E15 ELECTRICAL POWER RISER DIAGRAM
E16 ELECTRICAL PANEL SCHEDULE
E17 ELECTRICAL DETAILS
E18 ELECTRICAL DETAILS

SET No.

PROJECT NUMBER

24112

PLAN OF SURVEY WITH TOPOGRAPHY OF

BLOCK 261
REGISTERED PLAN 43M–2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

SCALE 1 : 300

5 0 5 10 15 20 metres

TARASICK McMILLAN KUBICKI LIMITED
ONTARIO LAND SURVEYORS

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METRIC

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

EASEMENTS

SUBJECT TO EASEMENT IN GROSS IN FAVOUR OF HYDRO ONE NETWORKS INC. OVER PART 1, PLAN 43R–39901 AS IN PR3871361.

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.

QUALITY LEVEL B, CSA S250–11: UNDERGROUND GAS, HYDRO, BELL AND WATER LINES WERE LOCATED ON SITE BY SURFACE GEOPHYSICAL METHODS ON NOVEMBER 5, 2024.
SEWER INVERTS OF MANHOLES WITHIN THE SUBJECT PROPERTY WERE FIELD–VERIFIED AS NOTED.

QUALITY LEVEL D: SEWER AND INVERT INFORMATION WITHIN THE PUBLIC ROADS IS SHOWN AS PER SERVICE DRAWINGS OBTAINED FROM THE REGION OF PEEL.

ELEVATION NOTE

ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM–1928, (1978 RE–ADJUSTMENT) AND WERE DERIVED FROM BENCHMARK No. 00820140071, HAVING A PUBLISHED ELEVATION OF 260.272 metres.

BEARING NOTE

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTHEASTERLY LIMIT OF BLOCK 261 AS SHOWN ON REGISTERED PLAN 43M–2114, HAVING A BEARING OF N52°39'50"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
CUT	DENOTES	CURB CUT
CB	DENOTES	CATCH BASIN
CLS	DENOTES	CONCRETE LAMP STANDARD
DW	DENOTES	DRIVEWAY
FH	DENOTES	FIRE HYDRANT TOP
INV	DENOTES	INVERT
MH	DENOTES	MANHOLE
WUP	DENOTES	WOOD UTILITY POLE
WV	DENOTES	WATER VALVE
P1	DENOTES	REGISTERED PLAN 43M–2114
P2	DENOTES	SCHAEFFER DZALDOV BENNETT LTD., O.L.S. AUG. 17, 2022
WIT	DENOTES	WITNESS MONUMENT
· 0.20ØD	DENOTES	DECIDUOUS TREE WITH TRUNK DIAMETER
0.20ØC	DENOTES	CONIFEROUS TREE WITH TRUNK DIAMETER

TREE CANOPIES ARE DRAWN TO SCALE.

ALL FOUND SURVEY MONUMENTS WERE PLANTED BY R–PE SURVEYING LTD., O.L.S.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THE FIELD SURVEY REPRESENTED ON THIS PLAN WAS COMPLETED ON DECEMBER 11, 2024.

DECEMBER 18, 2024
DATE

Simeon Mitrev
SIMEON MITREV
ONTARIO LAND SURVEYOR

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V–94604

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: F.B. | FILE No. 10272–SRPR–T

SITE PLAN & BUILDING STATISTICS

ZONING :	I-639 Institutional Zone
LEGAL DESCRIPTION :	
PROPOSED OCCUPANCY:	Public School Kindergarten - Grade 8
LOT AREA	(31,270 m²) 3.127 HECTARES
LOT COVERAGE	
Building Coverage- SCHOOL	4,907m²
Building Coverage- SHEDS (5 @ 9.3 m2)	46.5m²
Building Coverage- TOTAL	4,953.5 m² (15.8%)

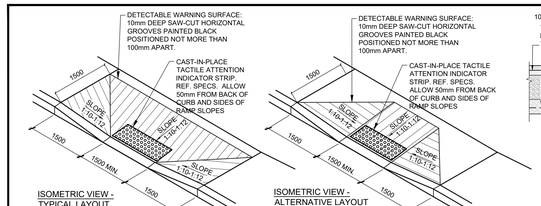
GROSS FLOOR AREA	
Ground Floor - school	4,276 m²
Ground Floor - childcare	631 m²
Second Floor	3,250 m²
Total GFA	8,166 m² (87,897 ft²)
Total GFA - school only 7,535 m²	(81,107 ft²)

LANDSCAPE AREA	13,618 m² (43.6%)	
PARKING & DRIVEWAY AREA	5,845 m² (18.7%)	
WALKWAYS & ASPHALT PLAY AREA	6,857 m² (21.9%)	
PARKING STATISTICS	REQ'D	PROVIDED
SCHOOL BUILDING (1 per 100m² of GFA)	76	103
FUTURE PORTABLES (12) (1 per portable)	12	12
CHILDCARE (1 per staff + 1/30s.m NFA.) (12 staff + 432 sq.m. /30 sq.m=14)	26	26
Total parking required =	114	141
BARRIER FREE SPACES (1 + 3% total spaces) PROVIDED PER O. Reg. 191/11; INTEGRATED ACCESSIBILITY STANDARDS	6	6
BICYCLE SPACES	N/A	91
FLOOR SPACE INDEX: N/A		

GENERAL NOTES

1. The Town of Caledon requires that all working drawings submitted to the Building Department as part of an application for the issuance of a Building Permit shall be certified by the Architect or Engineer as being in conformity with Site Development Plans as approved by the Town of Caledon.
2. All exterior lighting will be directed onto the site and will not infringe on adjacent properties.
3. Grades will be met with 33% maximum slope at the property lines and within.
4. Accesible parking spaces must be identified by appropriate signage, installed at the applicant's expense, in accordance with the designated specifications of Town Bylaws.
5. Continuous 15cm high barrier type poured concrete curbing will be provided between asphalt and landscaped areas throughout the site, except at asphalt walkways and at asphalt play areas.
6. There are no underground parking structures on this project.
7. The structural design of any retaining wall over 0.6 metre in height or any retaining wall located on a property line is to be shown on the Site Grading Plan for this project and is to be approved by a Structural Engineer.
8. Location of signs indicating fire routes shall be to the Town of Caledon Fire Department approval.
9. All roads and driveways which are to be designated as fire routes shall be so designated as per the Town's By-law, prior to occupancy of the building.
10. Parking spaces: 2.75m x 6.0m min. hard surface area.
11. Continuous concrete curbing typical throughout parking areas All curbs to be 150mm/8" high barrier type poured concrete
12. Fire route access shall be constructed of hard surface material, such as asphalt, concrete or lockstone, conforming to municipal standards and have a change of gradient not more than 1 in 12.5 over a minimum distance of 15 m.
13. All surface drainage shall be self contained and collected and discharged at a location to be approved prior to issuance of a building permit. Existing drainage pattern to be maintained.
14. At the entrances to the site, the municipal curb and sidewalk will be continuous through the driveway. The driveway grade will be compatible with the existing sidewalk and a curb depression will be provided for each entrance, as part of this contract.
15. The tops of any curbs bordering the driveways within the municipal boulevard will be flush with the municipal sidewalk and road curb.
16. The portions of the driveways within the municipal boulevard will be paved as part of this contract.
17. Sedimentation control measures as per city standards are to be implemented during construction.
18. All underground service materials and installations to be in accordance with the latest standards and codes.
19. Road occupancy permit must be obtained by Contractor 2 weeks prior to commencing any works within the municipal road allowance.
20. All catchbasins manholes to have a minimum 0.3 sump and top as per municipal standards.
21. All storm sewer materials and construction methods must correspond to current municipal standards and specifications.
22. If building construction is interrupted and/or inactivity exceeds 30 days, stripped/bare areas will be stabilized by seeding.
23. All excess excavated material will be removed from site.
24. Storm sewers (private sewers and/or within R.O.W.) and connections 200 diameter and larger to be concrete CL. ES or concrete CLIII with type 'B' bedding throughout except at risers, unless otherwise noted.
25. All above ground utilities are to be offset a minimum distance of 1500mm from all proposed driveways.
26. 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.
27. Refer to PMP Drawings for extent of pavement marking and signage at site and beyond the site, not shown on this drawing.

TYPICAL CURB RAMP



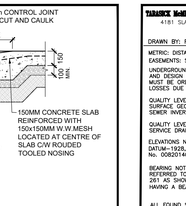
ISOMETRIC VIEW - TYPICAL LAYOUT

N.T.S.

ISOMETRIC VIEW - ALTERNATIVE LAYOUT

N.T.S.

NOTES:
1. ALL TRUNCATED DOME DETECTABLE WARNING PLATE DESIGNS ARE TO BE FINALIZED BY THE PLATE MANUFACTURER. (610mm x 610mm SQUARE OR RADIAL PLATES TO MATCH CURB RADIUS). NUMBER OF WARNING PLATES TO MATCH WIDTH OF PROJECTED SIDEWALK OR TRAIL (For example, 1.8m sidewalk to have 3 plates)
2. TRUNCATED DOME PLATES ARE TO BE PLACED 150mm OFFSET FROM BACK OF CURB (200mm MAXIMUM). MINIMUM 150mm CONCRETE REQUIRED FROM OUTER EDGE OF PLATE ASSEMBLY TO THE EDGE OF SIDEWALK.
3. RAMPS ARE TO BE SLOPED BETWEEN 2% AND 6% DESIRABLE (8.33% MAXIMUM).



SECTION

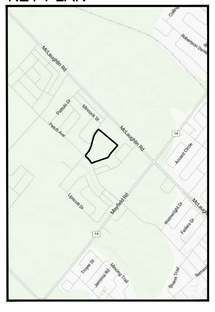
4. LANDING AREAS ARE 1.5m X 1.5m MINIMUM AND ARE SLOPED TO A MAXIMUM OF 2%.
5. CONCRETE FLARES ARE SLOPED TO A MAXIMUM OF 10%.
6. SLOPE TRANSITION AREA: MINIMUM LENGTH OF 1.5m AND 4% MAXIMUM SLOPE.
7. TRUNCATED DOMES ON TACTILE WALKING SURFACE INDICATOR TO MEET CURRENT OBC REQUIREMENTS, PER OBC 3.8.3.18, THEY SHALL MEET THE DOME HEIGHT AND SPACING REQUIRED BY ISO 23599 "Assistive Products for Blind and Vision-Impaired Persons – Tactile Walking Surface Indicators".

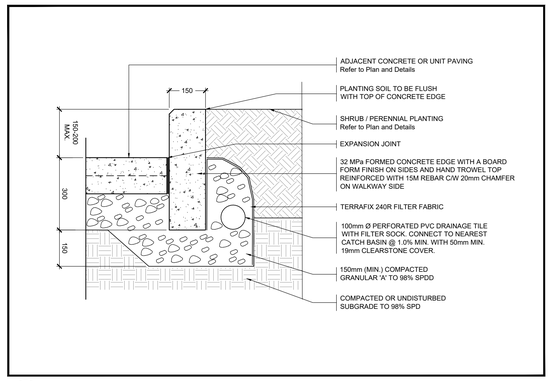
SURVEY REFERENCE NOTES

TARASICK McMILLAN KUBICKI LIMITED ONTARIO LAND SURVEYORS
4181 SLADEVIEW CRESCENT, UNIT 42, MISSISSAUGA, ONTARIO L5L 5R2
TEL: (905) 569-8849 FAX: (905) 569-3160
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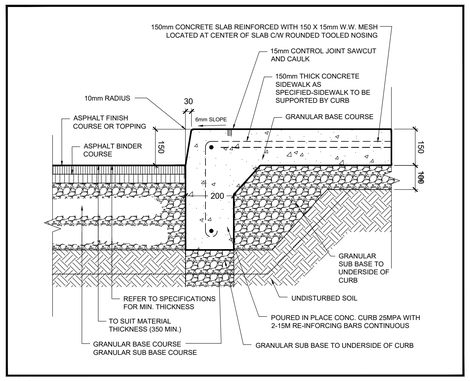
METRIC: DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.
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ALL FOUND SURVEY MONUMENTS WERE PLANTED BY R–PE SURVEYING LTD., O.L.S.

KEY PLAN

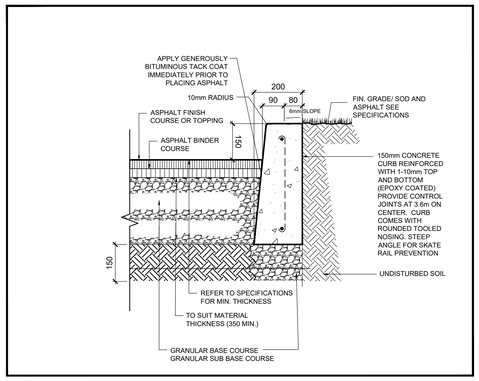

McLaughlin Rd
Dublin Dr
Mirrorstone Dr
Mirrorstone Dr
Peach Rd
Tower Hill Rd
Lisadell Dr
Mayfield Rd
Mayfield Rd
Hinterland Dr
Peach Rd
Tower Hill Rd
Lisadell Dr



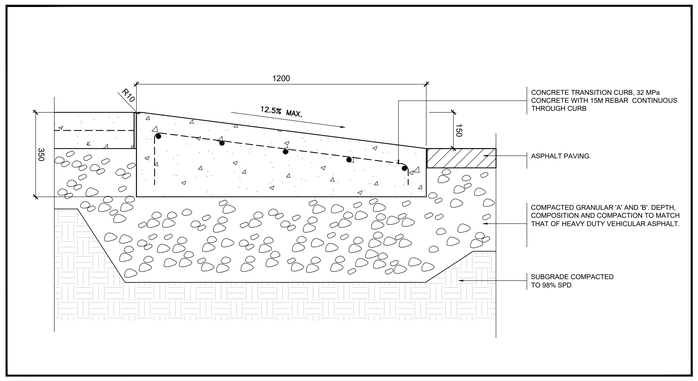
1 SP2 RAISED CONCRETE EDGE AT LANDSCAPING
SCALE 1:10



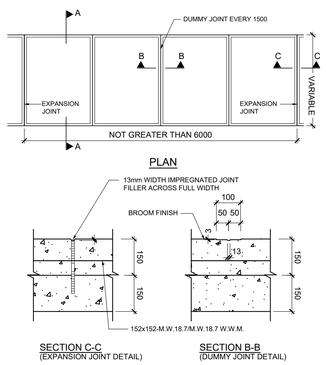
2 SP2 CONCRETE CURB AT SIDEWALK
SCALE 1:10

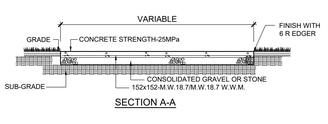


3 SP2 CONCRETE CURB AT SOD
SCALE 1:10



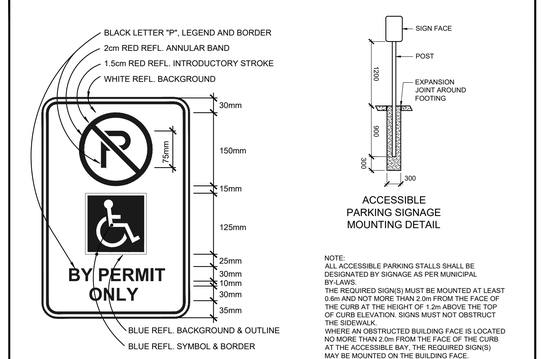
4 SP2 150mm HT. TRANSITION CURB
SCALE 1:10





NOTES:
1. CONCRETE TO HAVE AN SRI OF 29
2. ALL PEDESTRIAN SURFACES TO HAVE A MAXIMUM RUNNING SLOPE OF 4.9% AND CROSS SLOPE OF 2%
3. PROVIDE 200mm DEPTH CONCRETE PAVING ON MIN. 200mm DEPTH COMPACTED GRAVEL OR STONE TO 98% SPD WHERE DRAWINGS CALL FOR **VEHICULAR CONCRETE PAVING**
4. FORM VEHICULAR PAVING INDEPENDENTLY OF PEDESTRIAN PAVING AND PROVIDE CONTROL JOINT BETWEEN.

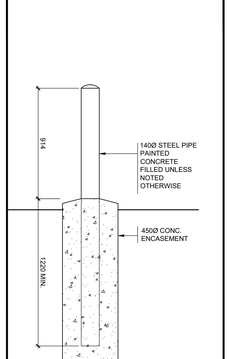
5 SP2 CONCRETE SIDEWALK (PEDESTRIAN & VEHICULAR PAVING)
SCALE 1:10



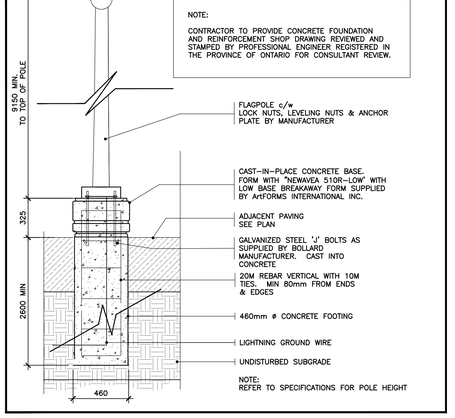
ACCESSIBLE
PARKING SIGNAGE
MOUNTING DETAIL

NOTE:
ALL ACCESSIBLE PARKING STALLS SHALL BE DESIGNATED BY SIGNAGE AS PER MUNICIPAL BY-LAWS.
THE REQUIRED SIGN(S) MUST BE MOUNTED AT LEAST 0.6m AND NOT MORE THAN 2.0m FROM THE FACE OF THE CURB AT THE HEIGHT OF 1.2m ABOVE THE TOP OF CURB ELEVATION. SIGNS MUST NOT OBSTRUCT THE SIDEWALK.
WHERE AN OBSTRUCTED BUILDING FACE IS LOCATED NO MORE THAN 2.0m FROM THE FACE OF THE CURB AT THE ACCESSIBLE BAY, THE REQUIRED SIGN(S) MAY BE MOUNTED ON THE BUILDING FACE.

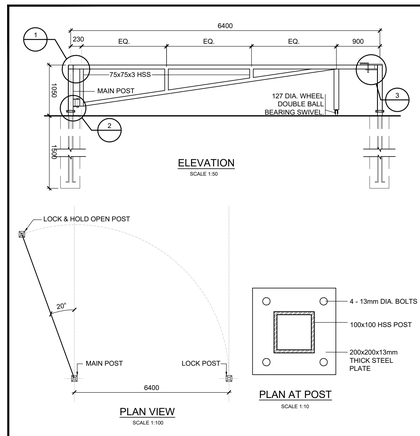
6 SP2 ACCESSIBLE PARKING SIGN MOUNTING DETAIL
SCALE VARIES

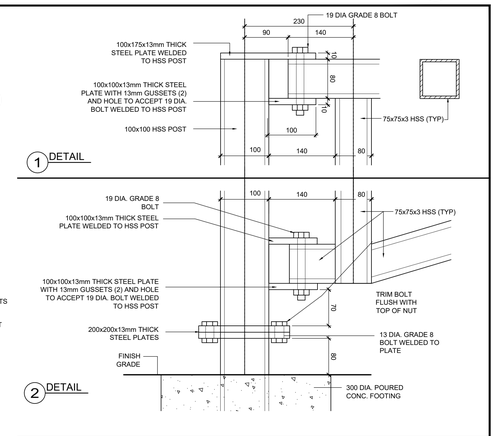


7 SP2 BOLLARD DETAIL
SCALE 1:20

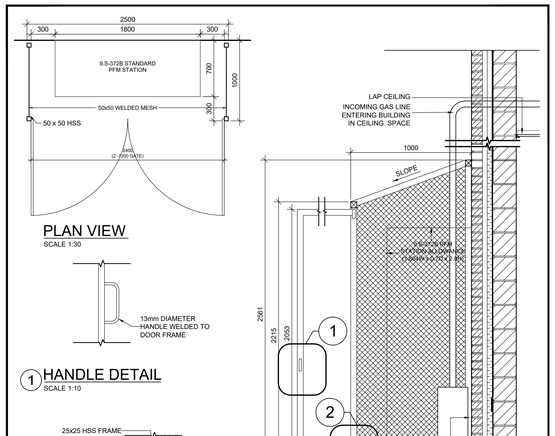


8 SP2 FLAG POLE BASE
SCALE 1:20

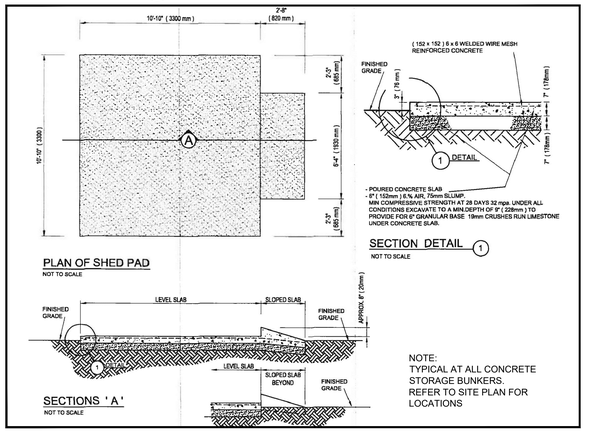




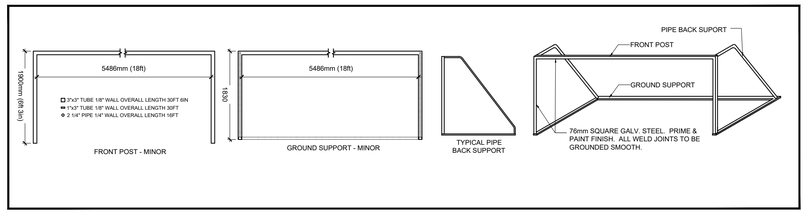
10 SP2 ACCESS GATE
SCALE VARIES



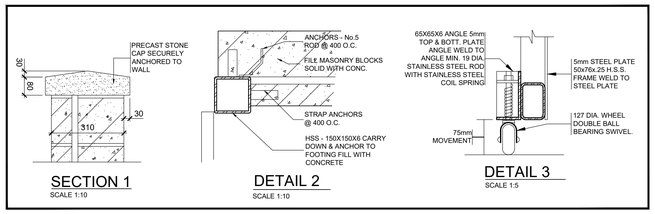
12 SP2 GAS METER CAGE
SCALE VARIES



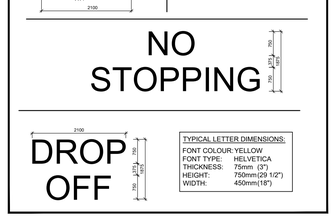
14 SP2 CONCRETE STORAGE UNIT CONCRETE PAD
SCALE NTS



11 SP2 MOVEABLE SOCCER GOAL POSTS
SCALE NTS

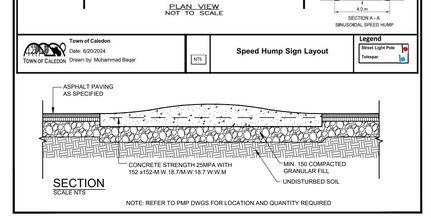


13 SP2 GARBAGE ENCLOSURE DETAILS
SCALE NTS



15 SP2 PAVEMENT MARKING MESSAGES
SCALE NTS

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



9 SP2 SPEED HUMP
SCALE NTS

LEGEND

B	BOLLARD AD 209
	DIRECTIONAL ARROW
	CONCRETE SHED. REFER TO SPECS. REFER TO DRAWING FOR TOTAL QUANTITY
CR	CURB RAMP. REF DETAIL THIS SHEET
FH	FIRE HYDRANT
MH	MANHOLE
CB	CATCH BASIN
	MAIN SCHOOL ENTRANCE
	SECONDARY SCHOOL ENTRANCE
LS	PROPOSED LIGHT STANDARD (REFER TO ELECTRICAL DRAWINGS FOR TYPE AND NUMBER OF HEADS)
EX.LS	EXIST. STREET LIGHT STANDARD
X X	EXISTING POST AND WIRE OR CHAIN LINK FENCE
	BLACK VINYL CHAINLINK FENCE (HEIGHT AS INDICATED)
	WEEPING TILE (NOT SHOWN. SEE GEN NOTES)
	HEAVY DUTY ASPHALT
	CONCRETE WALKWAY OR PAD
	LIMESTONE SCREENING PATHWAY. REF TO LANDSCAPE
	TWSI - TACTILE WARNING SURFACE INDICATOR. TYPICAL AT ALL CURB RAMPS AND ROLLOVER CURBS. REF SPECS.
	AREA OF SNOW STORAGE
	TRAFFIC SIGNAGE. TO BE COORDINATED AND READ WITH THE PAVEMENT MARKING PLANS PMP-101 AND PMP-102

NO	ISSUED	DATE
4	ISSUED FOR TENDER	26 06 19
3	ISSUED FOR SPA RESUBMISSION	26 02 05
2	ISSUED FOR BLDG PERMIT	25 10 15
1	ISSUED FOR SPA RESUBMISSION	25 08 25

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 FORBIDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE
5053
Certificate of Practice #4292

MAYFIELD WEST #2
PUBLIC SCHOOL

0 TWEEDHILL AVE
(CORNER OF PETCH AVE. & TWEEDHILL AVE.)
CALEDON, ONTARIO

LEGAL DESCRIPTION
BLOCK 261
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

SITE PLAN
DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
OAKVILLE ON L6H 5V8
(905) 815-9284 admin@hossackarch.com

SCALE	1:300
PROJECT	24112
DATE	25 01 06
DRAWN	CC
CHECKED	PL
DRAWING	SP2
PRINT DATE	26 06 17
REVIT FILE	T:\2024\24112\02

TREE INVENTORY LIST

#	Common Name	Botanical Name	DBH (cm)	Health	Site Potential for Preservation	Recommendation and Notes
1	Hackberry	Celtis occidentalis	7		Preserve	On City Property
2	Hackberry	Celtis occidentalis	7		Preserve	On City Property
3	Maidenhair Tree	Ginkgo biloba	7		Transplant	On City Property
4	Maidenhair Tree	Ginkgo biloba	7		Preserve	On City Property
5	Shademaster Honey Locust	Gleditsia triacanthos 'Shademaster'	7		Preserve	On City Property
6	Shademaster Honey Locust	Gleditsia triacanthos 'Shademaster'	5		Preserve	On City Property
7	Shademaster Honey Locust	Gleditsia triacanthos 'Shademaster'	5		Preserve	On City Property
8	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	5		Preserve	On City Property

*NOTE: TREES TO BE FIELD VERIFIED FOR SPECIES, SIZE AND CONDITION IN THE SPRING

LEGEND

- EX. DECIDUOUS TREE TO BE TRANSPLANTED Refer to Tree Inventory and Preservation Plan
- EX. DECIDUOUS TREE TO REMAIN Refer to Tree Inventory and Preservation Plan
- FUTURE TREES PER PLANS PREPARED BY STRYBOS BARRON KING
- TREE PRESERVATION HOARDING Refer to TP101 Details and Notes

TWEEDHILL AVENUE
(BY-LAW 2020-0197)
PIN 14252-1721

SPINLAND STREET

PETCH AVENUE
PIN 14252-1709

BLOCK 266
PIN 14252-1686

PROPOSED
SCHOOL BUILDING
FFE: 259.80

TREE PRESERVATION HOARDING AND NOTES (TYP.) — TP101/TP101

FUTURE BOULEVARD TREES PER L102 PLAN PREPARED BY STRYBOS BARRON KING – DATED JULY 2020 (TYP.)

FUTURE PARK TREES PER L207–L212 PARK PLANS PREPARED BY STRYBOS BARRON KING – DATED JULY 2020 (TYP.)

PROJECT NORTH / TRUE NORTH

KEY PLAN — SITE — MAYFIELD ROAD — HEIGHTS BLVD

NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

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TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

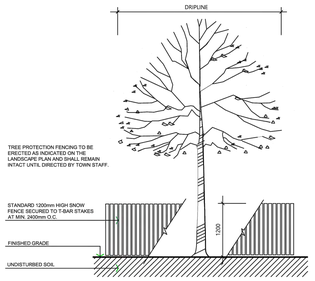
City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

TREE INVENTORY & PRESERVATION PLAN

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

SCALE	1:300
DATE	10. 2024
DRAWN	TT
CHECKED	KH
PRINT DATE	
CAD FILE	
PROJECT	241577
DRAWING	TP100



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

1. PRIOR TO ISSUANCE OF THE GRADING AND SERVICING OR BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (E TREE PRESERVATION FENCE) AS SHOWN ON THIS DRAWING OR AS REQUIRED THROUGH ADDITIONAL GOVERNING DOCUMENTS, TO THE SATISFACTION OF THE TOWN.
2. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH HOARDING ERECTED AT THE DRIPLINE.
3. TREE PRESERVATION FENCE IS TO BE INSPECTED BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT AND APPROVED BY THE TOWN PRIOR TO CONSTRUCTION COMMENCING.
4. SILTATION CONTROL FENCING MAY BE USED AS A TREE PRESERVATION FENCING SUBSTITUTE IF REQUIRED BY GOVERNING AUTHORITIES TO CONSTITUTE THE TOWN.
5. AREAS WITHIN PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES TO BE PRESERVED OCCUR. BUILDING MATERIALS NOT TO BE PILED AGAINST TREES TO BE PRESERVED.
6. PRUNE BRANCHES TO REMOVE DAMAGED LIMBS ONLY. DO NOT DAMAGE LEADERS. ALL CUTS OVER 25mm SHALL BE TREATED IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL PRACTICES AS APPROVED BY THE TOWN. NO MORE THAN 20% OF THE TREE SHALL BE PRUNED UNLESS DIRECTED BY THE TOWN.
7. NO GRADE CHANGES, DUMPING, AND STORAGE OF ANY MATERIALS AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
8. IF TREES ARE BEING ADVERSELY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SET UP TO THE SATISFACTION OF THE TOWN.
9. ANY TREES DESIGNATED TO BE PRESERVED THAT DIED OR HAVE BEEN DAMAGED BEYOND REPAIR PRIOR DURING OR POST CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN, AT THE SOLE COST OF THE DEVELOPER.

TOWN OF CALEDON						
TREE PRESERVATION	3	STANDARD 707 NOW 606		JAN 18	APR'D: C.C.	DATE: JUNE 08
	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	SCALE: NTS
	1	NOTE NO. 9 ADDED		MARCH 08	STANDARD No. 606	
	NO.	REVISION	APR'D	DATE		

TREE PRESERVATION HOARDING — NTS — 1
As Per Town of Caledon Standards

SPECIFICATIONS

A. General

The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.

B. Pre-Construction Phase

1. Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to T-bars (see Town of Caledon Tree Preservation Fencing, STD 606).
2. If applicable, attach a filter cloth 600mm high to the construction side of the hoarding to act as sediment control. Sediment control fencing shall meet or exceed OPSD-219.110, and be installed to the satisfaction of the Town of Caledon.
3. All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing should minimize damage to roots.
4. The TPZ fence is to be installed along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff may constitute a contravention.
5. The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree protection barriers are in place.
6. Where fill or excavated material must be temporarily located near a TPZ, a wooden barrier must be used to ensure no material enters the TPZ.
7. Remove any garbage and foreign debris from the tree protection zones, daily.
8. For the trees that were recommended for removal and/or crown pruning that are within the TPZ limits, these activities are to be performed by a qualified ISA certified arborist prior to the installation of the Tree Protection Zone barriers and prior to the commencement of any construction activities. Install the Tree Protection Zone barrier as per Tree Preservation Fencing, STD 606 at the limits shown on the tree inventory and protection plan after the tree removal, whichever is greater, and crown pruning activities are completed.
9. A **Tree Protection Zone** sign must be mounted on all sides of the tree protection barrier for the duration of site construction. The sign should be a minimum of 40cm x 60cm and made of white gator board or equivalent material.
10. The sign must be similar to the illustration shown below, or as directed by the Town of Caledon.

> **TREE PROTECTION ZONE**
> **No work is permitted in the Tree Protection Zone**
> This includes construction works, grading, storage of trash or materials.
> The tree protection barrier must not be removed without written authorization of the Town of Caledon.

11. All contractors and site visitors should be informed of the tree preservation and protection measures at a pre-construction meeting.

specifications continued on next panel...

TOWN OF CALEDON						
TREE PRESERVATION STANDARD NOTES - PART 1					APR'D: B.B.	DATE: AUGUST 17
					DRAWN: B.M.	SCALE: NTS
	NO.	REVISION	APR'D	DATE	STANDARD No. 710	

SPECIFICATIONS

continued from previous panel

C. During Construction Phase

1. All areas within the TPZ shall remain undisturbed for the duration of construction. There will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Protection Barrier must not be removed without the written authorization of the Town of Caledon.
2. Minor grading works will be permitted at the edge of the preservation zone as required to correct localized depressions, and blend to existing grades.This work to be undertaken under the direct supervision of an ISA certified arborist.
3. A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots.The use of low pressure hydrovac to expose roots is recommended, at no additional cost.
4. The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for fine grading or other works. All works are to be supervised by the Town of Caledon.
5. No cables, wire or ropes of any kind shall be wrapped around or installed in trees to be preserved.
6. No contaminants will be dumped or flushed in the TPZ areas or where feeder roots of trees exist (generally beyond the TPZ areas).
7. Irrigate tree protection zones during drought conditions, June to September to reduce drought stress.
8. Inspect the site daily to ensure hoarding is in place and in good condition. Inspect trees to monitor condition.

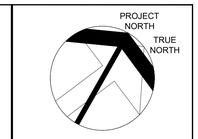
D. Post Construction Phase

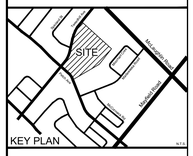
1. Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.
2. After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.

end of specifications

TOWN OF CALEDON						
TREE PRESERVATION STANDARD NOTES - PART 2					APR'D: B.B.	DATE: AUGUST 17
					DRAWN: B.M.	SCALE: NTS
	NO.	REVISION	APR'D	DATE	STANDARD No. 711	

TREE PRESERVATION STANDARD NOTES — NTS — 2
As Per Town of Caledon Standards





NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

LEGAL DESCRIPTION
BLOCK 261
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

TREE INVENTORY
& PRESERVATION
NOTES & DETAILS

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

SCALE	1:300
DATE	10. 2024
DRAWN	TT
CHECKED	KH
PROJECT	241577
DRAWING	TP101
PRINT DATE	
CAD FILE	

LEGEND

- EX. DECIDUOUS TREE TO BE TRANSPLANTED Refer to Tree Inventory and Preservation Plan
- EX. DECIDUOUS TREE TO REMAIN Refer to Tree Inventory and Preservation Plan
- NEW TRANSPLATED TREE LOCATION
- FUTURE TREES PER PLANS PREPARED BY STRYBOS BARRON KING
- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM DECIDUOUS SHRUB
- PLANTING BED Refer to Planting Plan
- SOD
- PEDESTRIAN CONCRETE PAVING (Refer to Site Plan)
- PEDESTRIAN UNIT PAVING
- VEHICULAR CONCRETE PAVING (Refer to Site Plan)
- BR BIKE RACK
- BOULDER SEATING
- 1.2 OR 1.5m HT. BLACK VINYL CHAIN LINK FENCE
- Existing Fence to Remain
- LS Light Standards Refer to Electrical Dwgs.

PROJECT NORTH / TRUE NORTH

KEY PLAN

TWEEDHILL AVENUE

PETCH AVENUE

SPINLAND STREET

FUTURE BOULEVARD TREES PER L102 PLAN PREPARED BY STRYBOS BARRON KING – DATED JULY 2020 (TYP.)

FUTURE PARK TREES PER L207–L212 PARK PLANS PREPARED BY STRYBOS BARRON KING – DATED JULY 2020 (TYP.)

ADJACENT FUTURE PARK

PROPOSED SCHOOL BUILDING FFE: 259.80

ENLARGEMENT 1 – L110 LANDSCAPE ENLARGEMENT PLAN

ENLARGEMENT 2 – L110 LANDSCAPE ENLARGEMENT PLAN

ENLARGEMENT 3 – L110 LANDSCAPE ENLARGEMENT PLAN

ENLARGEMENT 4 – L110 LANDSCAPE ENLARGEMENT PLAN

GENERAL LANDSCAPE NOTES
Per Town of Caledon Standard No. 700, Rev. 2, January 2018

NOTE 1
DEPICTED ON THIS PLAN ARE THE SPECIES AND THE APPROXIMATE LOCATION OF STREET TREE. ONCE DRIVEWAYS, UTILITIES AND LIGHT STANDARDS HAVE BEEN INSTALLED, THE EXACT LOCATION OF STREET TREES WILL BE DETERMINED ON SITE BY THE LANDSCAPE CONSULTANT AND APPROVED BY THE MUNICIPALITY PRIOR TO PLANTING.

NOTE 2
MINIMUM CLEARANCES FOR STREET TREES (WHEN TREES ARE PLANTED 1.5M FROM THE CURB):
- 2M FROM WATER HYDRANTS
- 2M FROM DRIVEWAYS
- 2M FROM NEIGHBOURHOOD MAILBOXES
- 3M FROM HYDRO TRANSFORMERS
- 5M FROM STREETLIGHTS
- 15M MINIMUM FROM STREET LINE (STREET INTERSECTION AS MEASURED FROM BACK OF CURB) AND BEHIND THE DAYLIGHT TRIANGLE AS PER THE GEOMETRIC DESIGN STANDARDS FOR ONTARIO HIGHWAYS
- 18M FROM FACE OF ALL WARNING AND REGULATORY SIGNS

NOTE 3
THE TREE PITS AND PLANTING BEDS FOR ALL TREES AND SHRUBS LOCATED WITHIN 1 METRE OF UNDERGROUND UTILITIES ARE TO BE HAND DUG.

NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
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3	ISSUED FOR SPA RESUBMISSION	25 08 25
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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — KELLY V. HUNTER — MEMBER

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE
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LEGAL DESCRIPTION
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TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File #: SPA 2025-0025

peel District School Board
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MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

LANDSCAPE PLAN

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

SCALE	1:300
PROJECT	241577
DATE	10. 2024
DRAWN	TT
DRAWING	L100
CHECKED	KH
PRINT DATE	
CAD FILE	

General

1. These specifications are to be read in conjunction with the general conditions of the contract as prepared by and available at the office of FRP Inc.
2. Prior to commencing work, the contractor shall:
   a. Familiarize themselves with the plans, details and specifications of this project;
   b. Visit the site to ascertain and take account of existing conditions and any deviations from the plans in work by other; and,
   c. Finalize all design alternatives in consultation with the Landscape Architect.
3. Prior to excavating the contractor shall verify the location of all underground utilities. In the event of a conflict between a proposed tree location and an underground service, the exact location of the tree shall be determined on site by the Landscape Architect. The contractor shall, at his/her own expense, repair any damage to existing utilities, structures, facilities, etc. done in the performance of their work.

Soft Landscaping Plant Materials

4. All plants shall be installed true to specified names, sizes, grades, etc. and shall conform to the standards of the Canadian Nursery Landscapes Association.
5. All plants shall be nursery grown in a hardiness zone appropriate to site conditions, as published by Agriculture Canada, entitled 'Map of Plant Hardiness Zones in Canada'.
6. In the event of a discrepancy in plant quantity between the landscape plan and the plant list, the landscape plan shall govern.
7. The contractor shall make plants available for inspection by the Landscape Architect prior to shipping to the site. This does not limit the right of the Landscape Architect and/or Town's representative to later reject plant material that is of poor quality, damaged during shipping or installation, performing poorly while the guarantee period is still in effect, or otherwise does not conform to the specifications.
8. Plant substitutions must be approved in writing by the owner, the Landscape Architect and the Town prior to delivery of the material on-site. The Landscape Architect may, upon completion of the work and notwithstanding prior approval at source, reject plant material not conforming to the specifications
9. The contractor shall use standard industry methods for planting trees. Trees shall be turned to give the best appearance. They shall also be guyed and staked immediately after planting and as detailed on the drawings.

Bed Preparation

10. Prior to backfilling, scarify the sides and bottom of the excavated tree pits and shrub beds.
11. Where heavy clay soil conditions prevail, backfill to the specified depths with:
    a. 2 parts "Triple Mix" delivered to the site well-mixed with 1 part local topsoil (topsoil that was removed from the site and stockpiled; if unavailable, a topsoil with clay content must be imported)
12. Tree pits must be constructed with saucers and mulch as detailed.

Maintenance

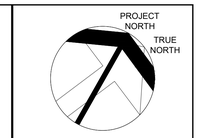
13. Maintenance of all landscape installations throughout to include:
14. Proper irrigation to ensure optimum growth and development of installed plant material.
15. Cultivation, weeding and fertilization of the tree pits and planting beds.
16. Insect and disease control using 'Integrated Pest Management' practices.
17. Pruning and maintenance to further promote visibility and vitality of its intended use, as directed by the Landscape Architect or the Town.

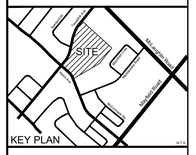
Guarantee

18. All plant materials shall be guaranteed for a minimum of 1 year from date of written Landscape Certification for Commencement of Plant Warranty as granted by the Town, and until final certification is granted by the Town. Plants which do not survive satisfactorily during the guarantee period shall be replaced at no extra cost to the owner. Plant material which is replaced due to unsatisfactory performance shall, in turn, be guaranteed for another minimum of 1 year, or until final certification is granted by the Town.
19. Similarly, all other landscape work performed under this contract shall be fully guaranteed for the above specified period.
20. All work shall be inspected at the end of the warranty period, at which time a final certificate will be issued by the Landscape Architect and submitted to the Town for their inspection, and approval of final certification, permitting release of site work securities.
21. At the end of the guarantee period, the contractor shall remove all tree stakes, rodent guards and bark wrap and all extra mulch where necessary.

Acceptance

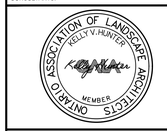
22. Work will be accepted by the owner or their representative upon completion and at the end of the specified maintenance period, provided that all plant material is alive and in healthy growing conditions.
23. Written preliminary and final certification must be submitted to the Town by the Landscape Architect. The Certifications shall be signed and stamped with the seal of the OALA.
24. Preliminary Certification of the project shall serve as the start of the guarantee period.
25. Final acceptance of the landscape works for this project is granted by the Town of Caledon upon conducting a satisfactory final site inspection Continued Responsibility of the Owner
26. The owner has a responsibility to maintain the approved landscape in a well cared for manner that promotes plant vitality and healthy appearance. Any declining or dead plants are to be replaced within the season to sustain a kept landscape. The owner is reminded that future site plan applications for this site will be reviewed with regard to the conformity of the existing landscaping to the approved Landscape Plan registered with the Town of Caledon.





NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

LEGAL DESCRIPTION
BLOCK 261
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

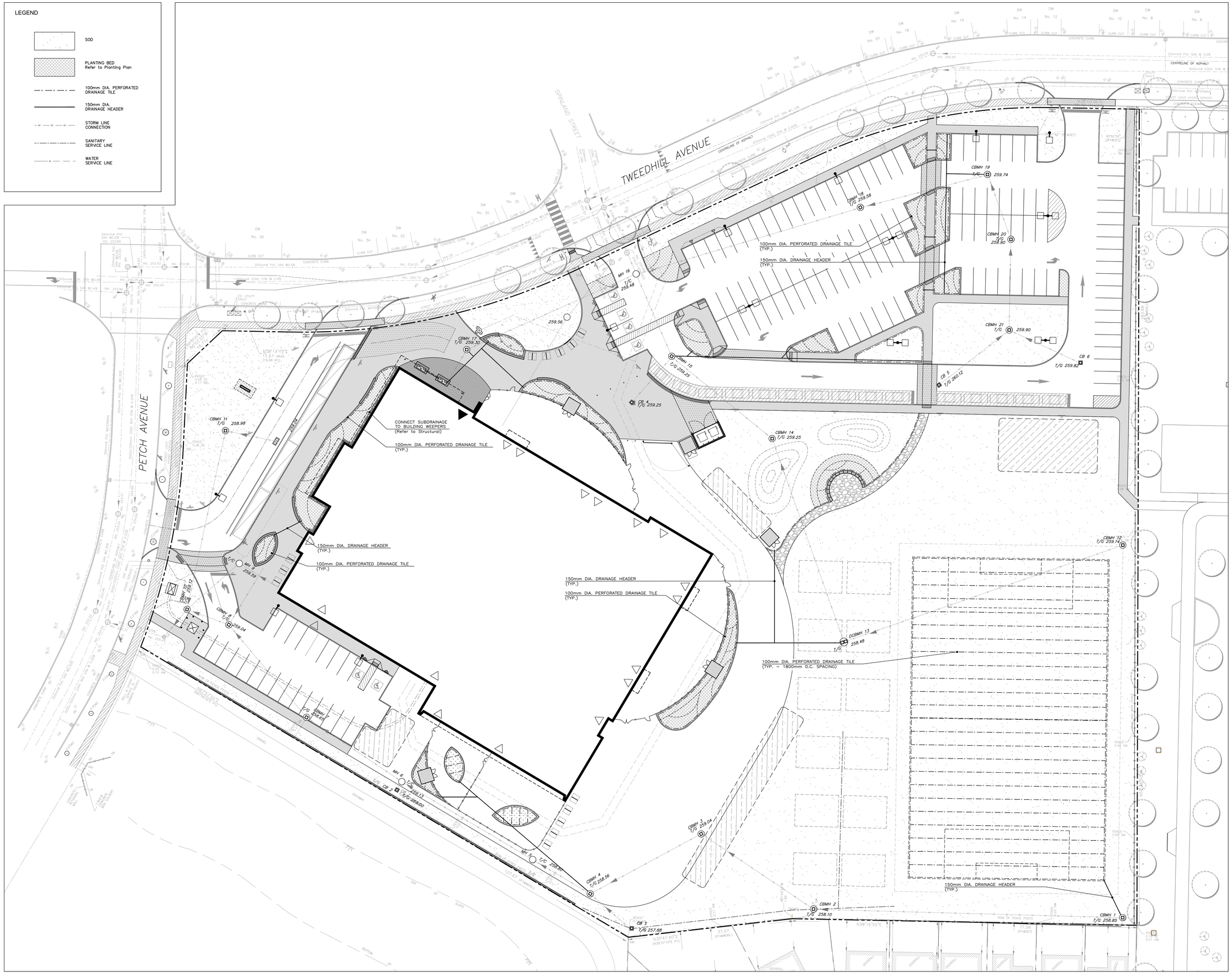
LANDSCAPE PLAN
NOTES

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

SCALE 1:300	PROJECT 241577
DATE 10. 2024	
DRAWN TT	DRAWING L101
CHECKED KH	
PRINT DATE	
CAD FILE	

LEGEND

- SOD
- PLANTING BED
  Refer to Planting Plan
- 100mm DIA. PERFORATED DRAINAGE TILE
- 150mm DIA. DRAINAGE HEADER
- STORM LINE CONNECTION
- SANITARY SERVICE LINE
- WATER SERVICE LINE



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ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
KELLY V. HUNTER
MEMBER

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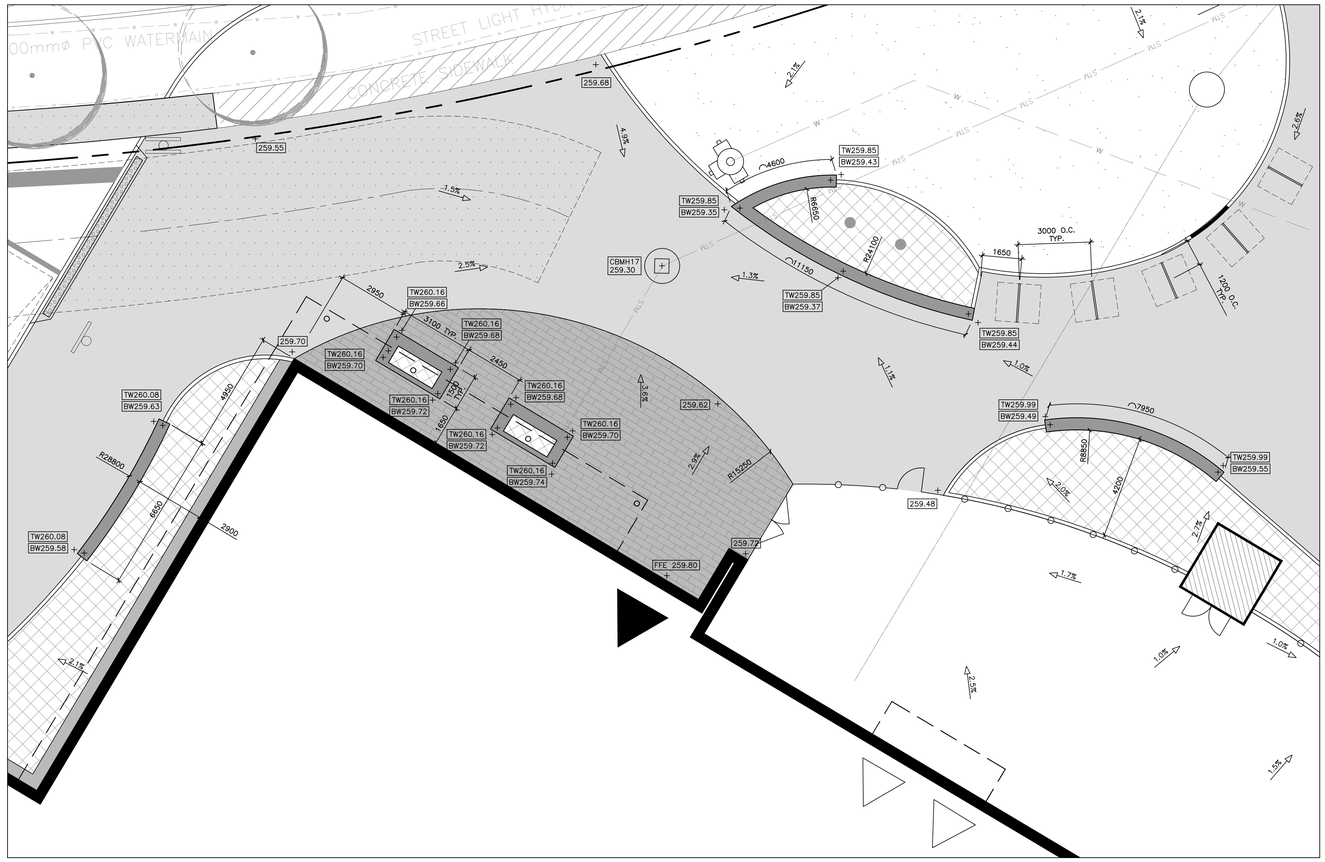
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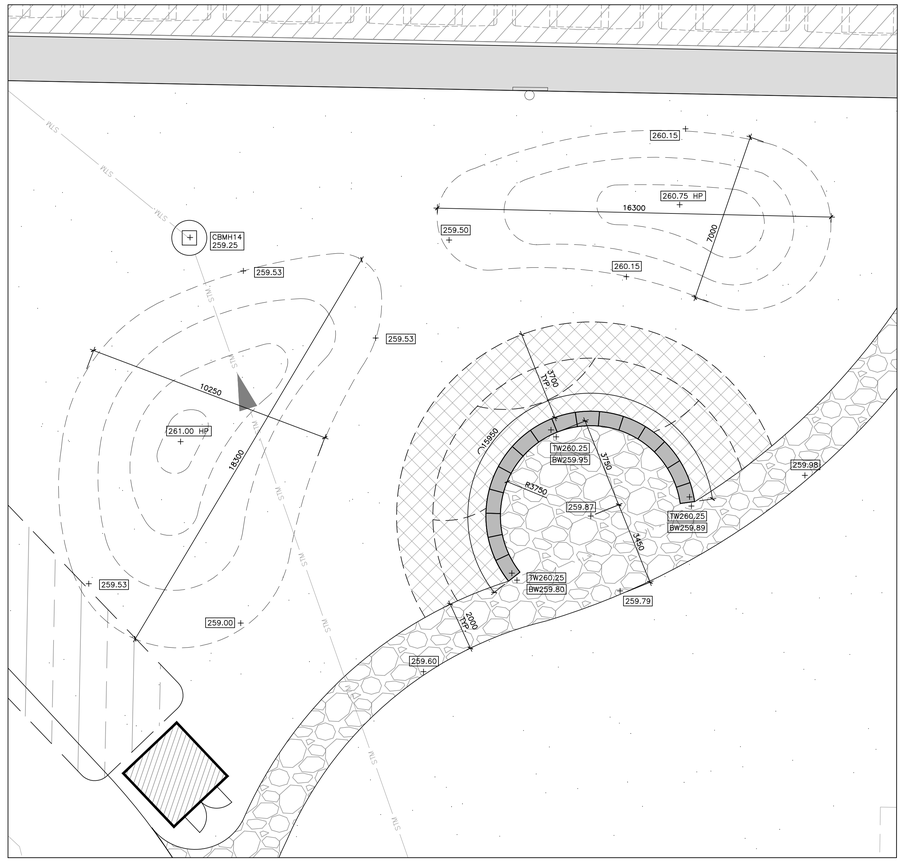
SUBDRAINAGE PLAN

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www.frpinc.ca

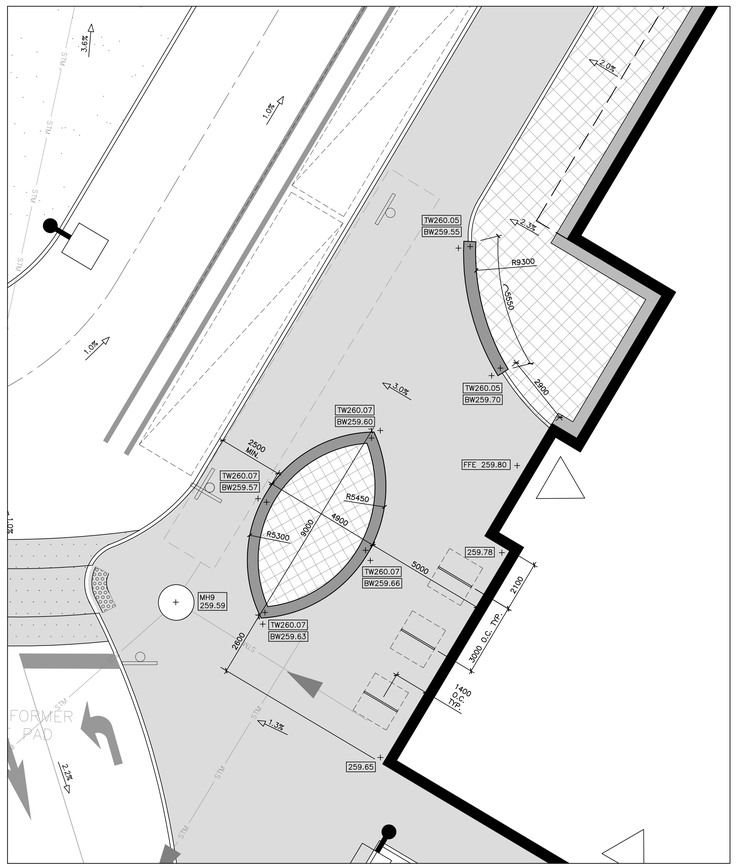
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CHECKED	KH
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PROJECT	241577
DRAWING	L102



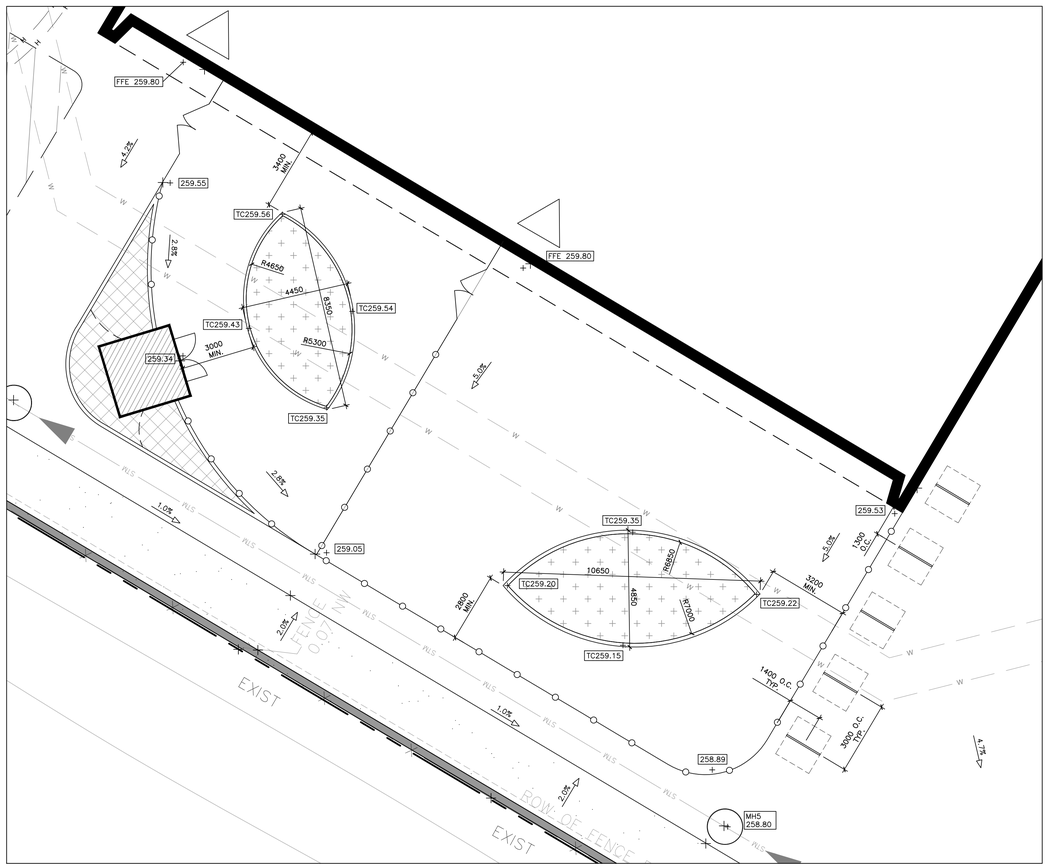
ENLARGEMENT 1 - MAIN ENTRANCE PLAZA - SCALE 1:100



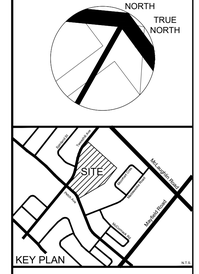
ENLARGEMENT 2 - OUTDOOR CLASSROOM - SCALE 1:100



ENLARGEMENT 3 - SOUTHWEST ENTRANCE PLAZA - SCALE 1:100



ENLARGEMENT 4 - CHILDCARE AREA - SCALE 1:100



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LANDSCAPE ENLARGEMENTS PLAN

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www.frpinc.ca

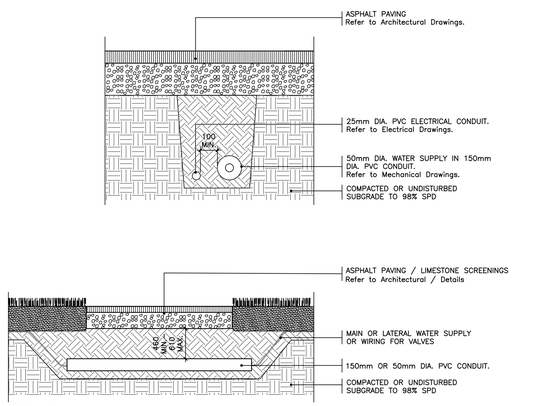
SCALE 1:300	PROJECT 241577
DATE 10. 2024	
DRAWN TT	DRAWING L110
CHECKED KH	
PRINT DATE	
CAD FILE	

LEGEND

- 8005 Series Pop-up Spray Head with #12 Nozzle
- MASTER VALVE BOX
- VALVE BOX
- IRRIGATION LINE
- PVC CONDUIT
- DRAINAGE TILE. Refer to Details for size and type.
- (W) WATER SUPPLY To be Confirmed with Mechanical
- (C) CONTROLLER
- (R) RAIN SENSOR
- (Q) QUICK CONNECT VALVE
- (P) POINT OF CONNECTION FOR IRRIGATION SUB-TRADE

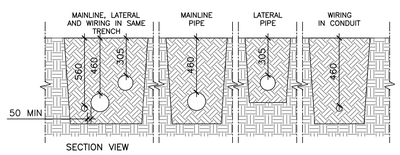
IRRIGATION NOTES:

1. THIS DRAWING SHOWS SCHEMATIC HEAD, LINE AND VALVE LOCATIONS. CONTRACTOR MAY MODIFY TO SUIT SITE CONDITIONS. CONTRACTOR TO SUPPLY SHOP DRAWING STAMPED BY CERTIFIED IRRIGATION DESIGNER FOR CONSULTANT APPROVAL PRIOR TO SYSTEM INSTALLATION.
2. DETERMINE AVAILABLE WATER PRESSURE AND GPM FLOW PRIOR TO CREATING SHOP DRAWING. MAKE CHANGES IN DESIGN AS NECESSARY TO SUIT.
3. MAKE GOOD ALL DAMAGE CAUSED TO EXISTING FEATURES BY INSTALLATION OF IRRIGATION SYSTEM.
4. ALL IRRIGATION LINES UNDER HARD SURFACE PAVING TO BE ENCASED IN PVC PIPE SLEEVE
5. ENSURE BACKFLOW PREVENTER IS INSTALLED PRIOR TO CONNECTION OF IRRIGATION SYSTEM.
6. ALL IRRIGATION WORK TO CONFORM TO ONTARIO PLUMBING CODE.
7. ALL VALVES TO BE INSTALLED IN LOCKING VALVE BOXES. NO VALVE BOXES TO BE INSTALLED WITHIN PLAY FIELD OR PLAY-OUT AREA. ALL VALVE BOXES TO BE TIED INTO TILE DRAIN SYSTEM.
8. RAIN SENSOR TO BE LOCATED ON ROOF.
9. NO MIXED HEADS OR NOZZLES ALLOWED ON ANY ONE STATION.
10. ALL IRRIGATION COMPONENTS AS MANUFACTURED BY RAINBIRD OR APPROVED EQUIVALENT.
11. THIS DRAWING TO BE READ IN CONJUNCTION WITH IRRIGATION SPECIFICATIONS.
12. KEEP AN ACCURATE RECORD OF INSTALLATION PROCESS AND SUPPLY AN ACCURATE "AS-BUILT" DRAWING IN AUTOCAD FORMAT AT COMPLETION OF CONSTRUCTION PROCESS.

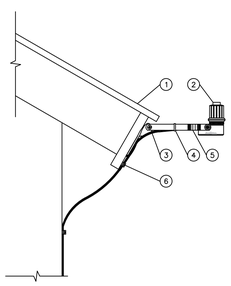


NOTES:
1. ALL PVC CONDUIT TO BE CLASS 160 PIPES.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.

SLEEVING BELOW HARDSCAPE 1:15 (1)

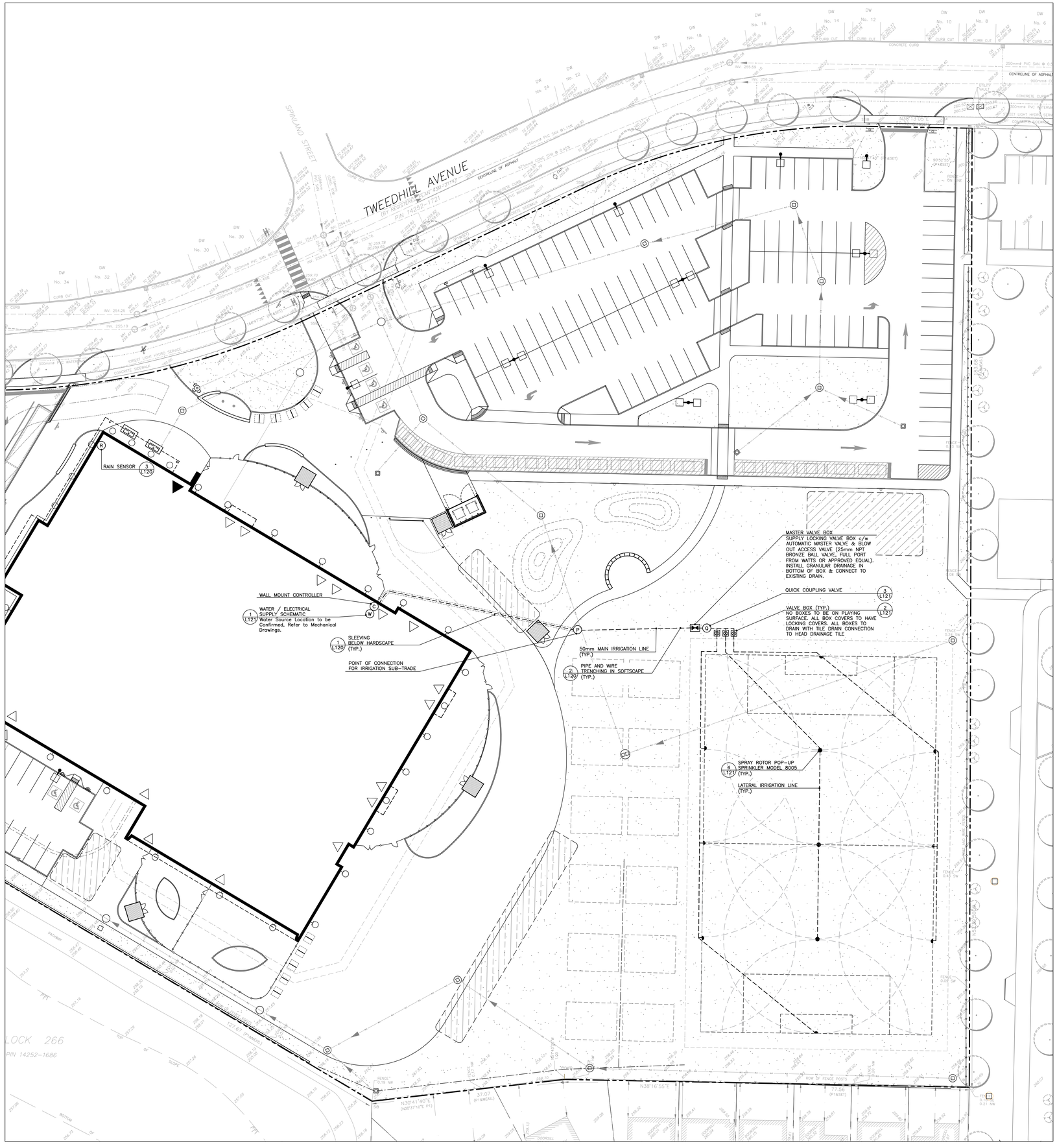


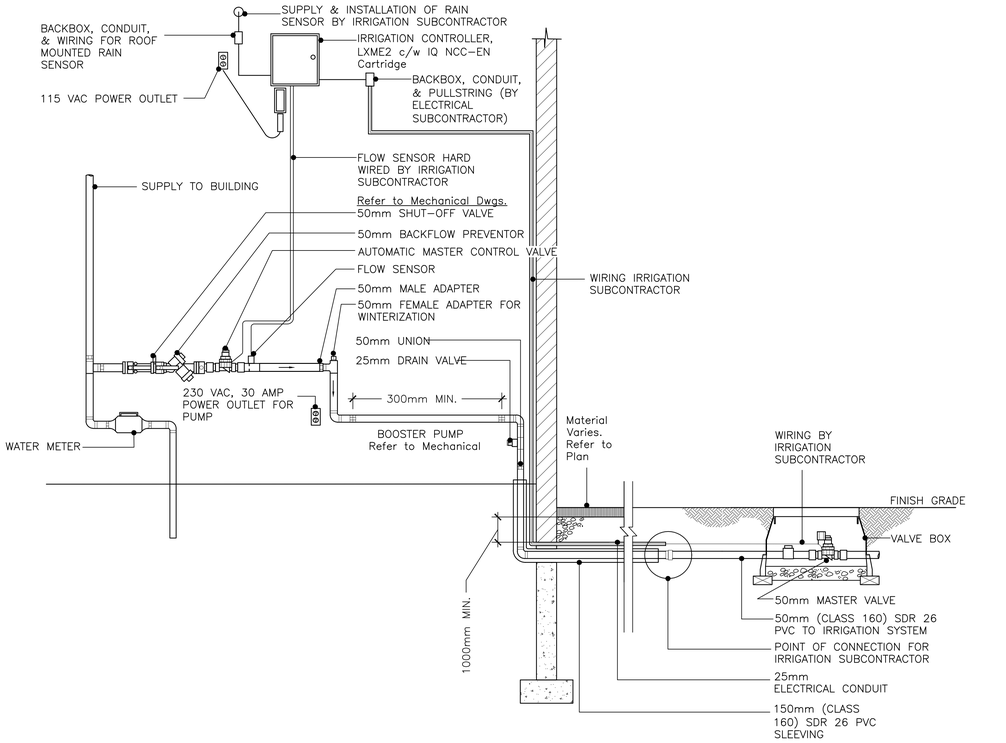
PIPE AND WIRE TRENCHING IN SOFTSCAPE N.T.S. (2)



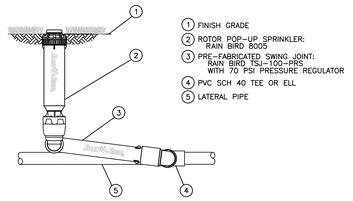
1. EAVE OF BUILDING
2. RAIN SENSOR: RAIN BIRD RSD-BEx
3. WIRE TO IRRIGATION CONTROLLER, REFER TO DETAIL.
4. PLASTIC TIE DOWN STRAP
5. MOUNTING BRACKET
6. SECURE WIRE WITH CABLE TIE BRACKET (1 OF 2)

RAIN SENSOR N.T.S. (3)

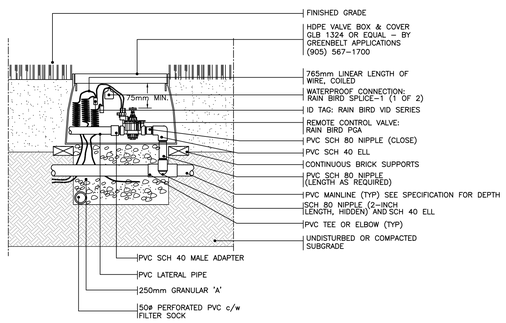

TWEEDHILL AVENUE
SPINLAND STREET
CENTRELINE OF ASPHALT
CONCRETE CURB
CURB CUT
250mm PVC SAN @ 0.5%
900mm PVC STORM
300mm PVC WATERMAIN
CENTRELINE OF ASPHALT
CONCRETE CURB
CURB CUT
SHEET LIGHT WOOD SERVICE
STREET LIGHT WOOD SERVICE
CONCRETE SIDEWALK
CURB CUT
250mm PVC SAN @ 1.0%
300mm PVC WATERMAIN
CONCRETE CURB
CURB CUT
CONCRETE SIDEWALK
CURB CUT



WATER / ELECTRICAL SUPPY SCHEMATIC N.T.S. 1

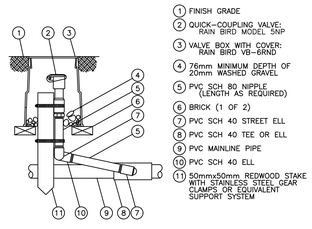


SPRAY ROTOR POP-UP SPRINKLER MODEL 8005 N.T.S. 4



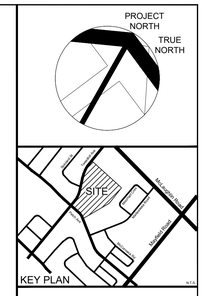
NOTES:
1. SEE PLAN, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

VALVE BOX N.T.S. 2



NOTE:
FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

QUICK-COUPLING VALVE N.T.S. 3



NO	ISSUED	DATE
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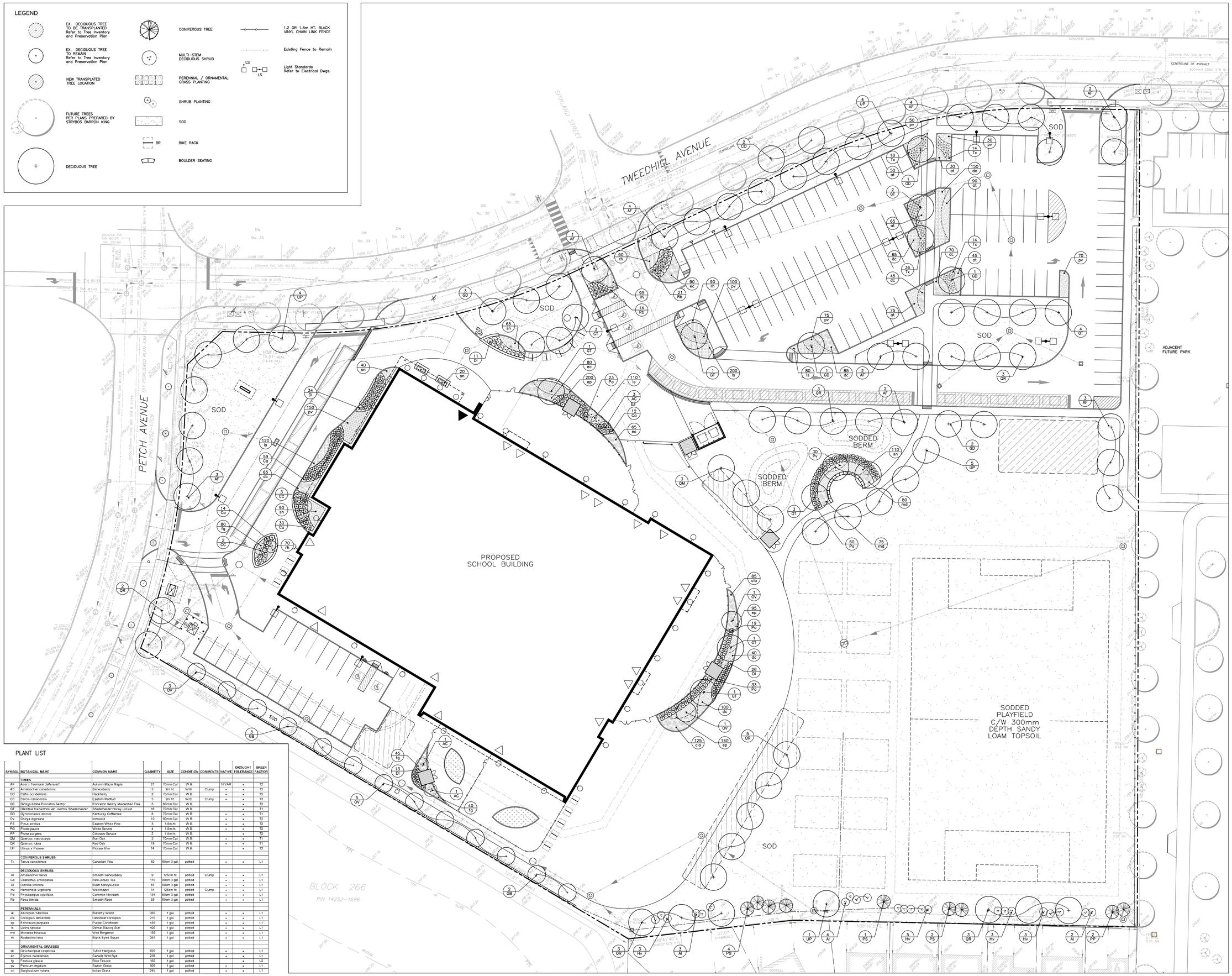
SCHEMATIC IRRIGATION DETAILS

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M4N 1B9
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SCALE AS SHOWN	PROJECT 241577
DATE 10. 2024	
DRAWN TT	DRAWING L121
CHECKED KH	
PRINT DATE	
CAD FILE	

LEGEND

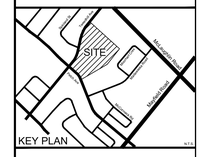
- EX. DECIDUOUS TREE TO BE TRANSPLANTED Refer to Tree Inventory and Preservation Plan
- EX. DECIDUOUS TREE TO REMAIN Refer to Tree Inventory and Preservation Plan
- NEW TRANSPLATED TREE LOCATION
- FUTURE TREES PER PLANS PREPARED BY STRYBOS BARRON KING
- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM DECIDUOUS SHRUB
- PERENNIAL / ORNAMENTAL GRASS PLANTING
- SHRUB PLANTING
- SOD
- BR BIKE RACK
- BOULDER SEATING
- 1,2 OR 1.8m HT. BLACK VINYL CHAIN LINK FENCE
- Existing Fence to Remain
- LS Light Standards Refer to Electrical Dwgs.



PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	CONDITION	COMMENTS	NATIVE	DROUGHT TOLERANCE	GREEN FACTOR
	TREES								
AF	Acer x Freemanii 'Jeffersred'	Autumn Blaze Maple	21	70mm Cal.	W.B.		N.VAR	•	T2
AC	Amelanchier canadensis	Serviceberry	5	2m ht	W.B.	Clump	•	•	T3
CO	Celtis occidentalis	Hackberry	2	70mm Cal.	W.B.		•	•	T2
CC	Cercis canadensis	Eastern Redbud	5	2m ht	W.B.	Clump	•	•	T3
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	5	60mm Cal.	W.B.			•	T2
GT	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honey Locust	16	70mm Cal.	W.B.			•	T1
GD	Gymnocladus dioicus	Kentucky Coffeetree	8	70mm Cal.	W.B.		•	•	T1
OV	Ostrya virginiana	Ironwood	10	60mm Cal.	W.B.		•	•	T2
PS	Pinus strobus	Eastern White Pine	3	1.8m ht.	W.B.		•	•	T2
PG	Picea glauca	White Spruce	4	1.8m ht.	W.B.		•	•	T2
PP	Picea purpurea	Colorado Spruce	2	1.8m ht.	W.B.			•	T2
QM	Quercus macrocarpa	Burr Oak	3	70mm Cal.	W.B.		•	•	T1
QR	Quercus rubra	Red Oak	19	70mm Cal.	W.B.		•	•	T1
UP	Ulmus x Pioneer	Pioneer Elm	14	70mm Cal.	W.B.			•	T2
	CONIFEROUS SHRUBS								
Tx	Taxus canadensis	Canadian Yew	62	60cm 3 gal.	potted		•	•	L1
	DECIDUOUS SHRUBS								
Al	Amelanchier lavea	Smooth Serviceberry	9	125cm ht.	potted	Clump	•	•	L1
Ca	Ceanothus americanus	New Jersey Tea	115	60cm 3 gal.	potted		•	•	L1
Dl	Diervilla lonicera	Bush honeysuckle	84	60cm 3 gal.	potted		•	•	L1
Hv	Hamamelis virginiana	Witchhazel	14	125cm ht.	potted	Clump	•	•	L1
Po	Physocarpus opulifolius	Common Ninebark	134	60cm 3 gal.	potted		•	•	L1
Rb	Rosa blanda	Smooth Rose	35	60cm 3 gal.	potted		•	•	L1
	PERENNIALS								
al	Asclepias tuberosa	Butterfly Weed	355	1 gal.	potted		•	•	L1
cla	Coreopsis lanceolata	Lanceleaf coreopsis	210	1 gal.	potted		•	•	L1
ep	Echinacea purpurea	Purple Coneflower	435	1 gal.	potted		•	•	L1
ls	Liatris spicata	Dense Blazing Star	400	1 gal.	potted		•	•	L1
md	Monarda fistulosa	Wild Bergamot	155	1 gal.	potted		•	•	L1
rh	Rudbeckia hirta	Black Eyed Susan	345	1 gal.	potted		•	•	L1
	ORNAMENTAL GRASSES								
dc	Deschampsia cespitosa	Tufted Hairgrass	620	1 gal.	potted		•	•	L1
ec	Elymus canadensis	Canada Wild Rye	235	1 gal.	potted		•	•	L1
fg	Festuca glauca	Blue Fescue	165	1 gal.	potted			•	L2
pv	Panicum virgatum	Switch Grass	505	1 gal.	potted		•	•	L1
sn	Sorghastrum nutans	Indian Grass	245	1 gal.	potted		•	•	L1

PROJECT NORTH
TRUE NORTH



NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

LEGAL DESCRIPTION
BLOCK 261
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLANTING PLAN

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

SCALE	1:300
DATE	10. 2024
PROJECT	241577
DRAWN	TT
CHECKED	KH
DRAWING	L200
PRINT DATE	
CAD FILE	

LEGEND

- EX. DECIDUOUS TREE TO BE TRANSPLANTED Refer to Tree Inventory and Preservation Plan
- EX. DECIDUOUS TREE TO REMAIN Refer to Tree Inventory and Preservation Plan
- NEW TRANSPLATED TREE LOCATION
- FUTURE TREES PER PLANS PREPARED BY STRYBOS BARRON KING
- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM DECIDUOUS SHRUB
- PLANTING BED 0.6m DEPTH PLANTING SOIL Refer to Planting Plan
- SOD; 0.3m DEPTH TOPSOIL
- TOTAL TREE SOIL VOLUME EXTENT
- CONTINUOUS SOIL TRENCH IN SOFTSCAPE 1.2m DEPTH
- BR BIKE RACK
- BOULDER SEATING
- 1.2 OR 1.8m HT. BLACK VINYL CHAIN LINK FENCE
- Existing Fence to Remain
- LS Light Standards Refer to Electrical Dwgs.

TWEEDHILL AVENUE (BY REGISTERED PLAN 43M-2114) PIN 14252-1727

PETCH AVENUE (BY REGISTERED PLAN 43M-2114) PIN 14252-1709

SPINLAND STREET

PROPOSED SCHOOL BUILDING FFE: 259.80

SOD

SODDED PLAYFIELD

ADJACENT FUTURE PARK

BLOCK 266 PIN 14252-1686

SOIL VOLUME CHART

Soil Group Number	Soil Area (m^2)	Soil Depth(m*)	Soil Volume (m^3)	Tree Quantity	Soil Volume per tree (m^3)	Minimum Required Soil Volume per Tree (m^3)	Shared Volume (Y/N)	Soil Cells (Yes/No)
1	295	1.2	354	7	50.6	20.0	Yes	No
2	293	1.2	351.6	6	58.6	20.0	Yes	No
3	77	1.2	92.4	4	23.1	20.0	Yes	No
4	48	1.2	57.6	1	57.6	30.0	No	No
5	331	1.2	397.2	8	49.7	20.0	Yes	No
6	43	1.2	51.6	1	51.6	30.0	No	No
7	33	1.2	39.6	1	39.6	30.0	No	No
8	85	1.2	102	2	51.0	20.0	Yes	No
9	45	1.2	54	2	27.0	20.0	Yes	No
10	27	1.2	32.4	1	32.4	30.0	No	No
11	412	1.2	494.4	7	70.6	20.0	Yes	No
12	30	1.2	36	1	36.0	30.0	No	No
13	164	1.2	196.8	4	49.2	20.0	Yes	No
14	70	1.2	84	2	42.0	20.0	Yes	No
15	254	1.2	304.8	7	43.5	20.0	Yes	No
16	153	1.2	183.6	5	36.7	20.0	Yes	No
17	78	1.2	93.6	3	31.2	20.0	Yes	No
18	129	1.2	154.8	4	38.7	20.0	Yes	No
19	519	1.2	622.8	18	34.6	20.0	Yes	No
20	237	1.2	284.4	14	20.31	20.0	Yes	No
21	73	1.2	87.6	1	87.6	30.0	No	No
22	102	1.2	122.4	5	24.5	20.0	Yes	No
23	55	1.2	66	3	22.0	20.0	Yes	No
24	56	1.2	67.2	3	22.4	20.0	Yes	No

PROJECT NORTH

TRUE NORTH

KEY PLAN

SITE

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

NO	ISSUED	DATE
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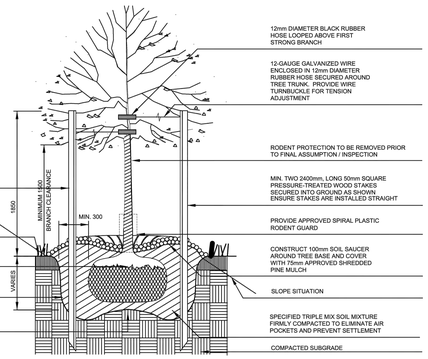
SOIL VOLUME PLAN

FRP Inc.
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Toronto, M6N 1B9
www.frpinc.ca

SCALE	1:300
DATE	10. 2024
DRAWN	TT
CHECKED	KH
PRINT DATE	
CAD FILE	
PROJECT	241577
DRAWING	L201

NOTES:

1. WILTPROOF IN NURSERY PRIOR TO DELIVERY.
2. PRUNING SHALL BE LIMITED TO DEAD, DISEASED OR BROKEN BRANCHES AFTER PLANTING. MAINTAIN ORIGINAL SHAPE OF THE TREE. DO NOT TRIM LEADER BRANCH.
3. SET TOP OF ROOT BALL 75-100mm HIGHER THAN ADJACENT FINISHED GRADE TO ALLOW FOR SETTLEMENT.



12mm DIAMETER BLACK RUBBER HOSE LOOPED ABOVE FIRST STRONG BRANCH

12-GAUGE GALVANIZED WIRE ENCLOSED IN 12mm DIAMETER RUBBER HOSE SECURED AROUND TREE TRUNK. PROVIDE WIRE TURNBUCKLE FOR TENSION ADJUSTMENT

RODENT PROTECTION TO BE REMOVED PRIOR TO FINAL ASSUMPTION / INSPECTION

SET TREE STAKES JUST INSIDE TREE PIT AS SHOWN

MIN. TWO 2400mm, LONG 50mm SQUARE PRESSURE-TREATED WOOD STAKES SECURED INTO GROUND AS SHOWN ENSURE STAKES ARE INSTALLED STRAIGHT

SLOPE SITUATION

FINISHED GRADE

PROVIDE APPROVED SPIRAL PLASTIC RODENT GUARD

CUT AND REMOVE TOP 1/3 OF BURLAP FROM ROOTBALL, INCLUDING ALL TIE ROPE AND WIRE

CONSTRUCT 100mm SOIL SAUCER AROUND TREE BASE AND COVER WITH 75mm APPROVED SHREDDED PINE MULCH

SCARIFY, LOOSEN, AND IRRIGATE THE INSIDE OF THE TREE PIT PRIOR TO PLANTING

SLOPE SITUATION

PROVIDE 75mm SOIL MOUND AT BASE OF PIT AS SHOWN

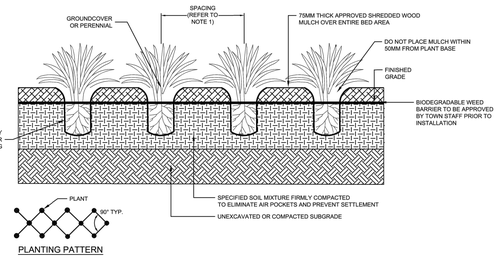
SPECIFIED TRIPLE MIX SOIL MIXTURE FIRMLY COMPACTED TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

COMPACTED SUBGRADE

NTS

TOWN OF CALEDON						
DECIDUOUS TREE PLANTING					APR'D: B.B.	DATE: JUNE 08
	2	STANDARD No. 700 NOW 800		JAN 18	DRAWN: abal	SCALE: NTS
	1	STANDARD No. 1100 NOW 700		JUNE 08	STANDARD No. 800	
	NO.	REVISION	APR'D	DATE		

DECIDUOUS TREE PLANTING
Per Town of Caledon Detail — NTS — 1



PLANTING PATTERN

NOTE:

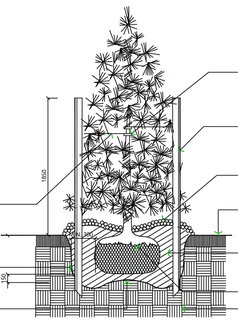
1. PLANT IN DIAGONAL PLANTING PATTERN. REFER TO PLANT LIST FOR SPACING REQUIREMENTS.
2. REFER TO PLANT LIST FOR GROUNDCOVER OR PERENNIAL TYPE.

TOWN OF CALEDON						
GROUNDCOVER AND PERENNIAL PLANTING DETAIL					APR'D: B.B.	DATE: AUGUST 17
					DRAWN: B.M.	SCALE: N.T.S.
	NO.	REVISION	APR'D	DATE	STANDARD No. 803	

PERENNIAL PLANTING
Per Town of Caledon Detail — NTS — 4

NOTES:

1. TREE SHALL BE MEASURED TO HEIGHT OF LAST YEAR'S GROWTH.
2. PRUNING SHALL BE LIMITED TO DEAD OR BROKEN BRANCHES AFTER PLANTING. MAINTAIN ORIGINAL SHAPE OF TREE. DO NOT TRIM LEADER BRANCH.
3. SET TREE 75-100mm HIGHER THAN ADJACENT FINISHED GRADE TO ALLOW FOR SETTLEMENT.



12MM DIAMETER BLACK RUBBER HOSE

TWO 2400MM LONG 50MM SQUARE PRESSURE-TREATED WOOD STAKES SECURED INTO GROUND AS SHOWN

12-GAUGE GALVANIZED WIRE ENCLOSED IN 12MM DIAMETER RUBBER HOSE SECURED AROUND THE TREE TRUNK. PROVIDE WIRE TURNBUCKLE FOR TENSION ADJUSTMENT

CONSTRUCT 100mm SOIL SAUCER AROUND TREE BASE AND COVER WITH 75mm APPROVED SHREDDED WOOD MULCH

FINISHED GRADE

SCARIFY, LOOSEN, IRRIGATE AND FERTILIZE THE INSIDE OF THE TREE PIT PRIOR TO PLANTING

SPECIFIED SOIL MIXTURE FIRMLY COMPACTED TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

CUT AND REMOVE TOP 1/3 OF BURLAP FROM ROOTBALL, INCLUDING ALL TIE ROPE AND WIRE

PROVIDE 75mm SOIL MOUND AT BASE OF PIT AS SHOWN

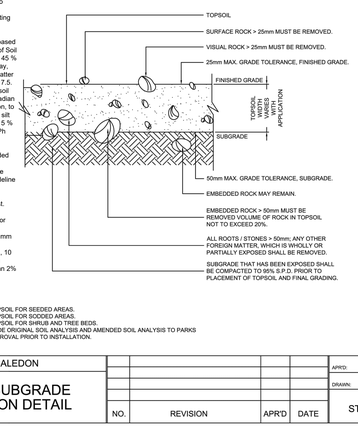
COMPACTED SUBGRADE

TOWN OF CALEDON						
CONIFEROUS TREE PLANTING					APR'D: C.C.	DATE: JUNE 08
	2	STANDARD No. 701 NOW 801		APR 19	DRAWN: ABAL	SCALE: NTS
	1	STANDARD No. 1105 NOW 701		JUNE 08	STANDARD No. 801	
	NO.	REVISION	APR'D	DATE		

CONIFEROUS TREE PLANTING
Per Town of Caledon Detail — NTS — 2

Topsoil: mixture of particulates, micro organisms and organic matter which provides suitable medium for supporting intended plant growth.

1. Imported Topsoil:
   - 1.1. General Use: Soil texture based on The Canadian System of Soil Classification, to consist of 45 % sand, 35% silt and 20 % clay, and contain 5 % organic matter by weight. Ph value: 6.5 to 7.5.
   - 1.2. Soccer Field: Sandy loam soil texture based on The Canadian System of Soil Classification, to consist of 65 % sand, 25% silt and 10% clay, and contain 5 % organic matter by weight. Ph value: 6.5 to 7.5.
2. Native topsoil:
   - 2.1. General Use: To be amended as per analysis report recommendations to ensure topsoil is within typical guideline range and is suitable for intended use.
3. Consistency: Friable when moist.
4. Topsoil must be free from:
   - 4.1. Contain no toxic elements or growth inhibiting materials.
   - 4.2. Debris and stones over 50 mm diameter.
   - 4.3. Course vegetative material, 10 mm diameter and 100 mm length, occupying more than 2% of soil volume.



NOTES:

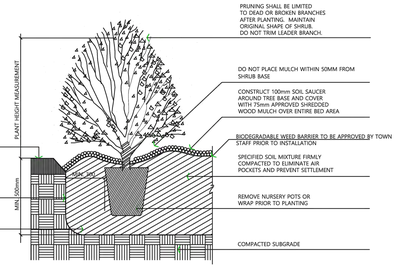
1. 300mm MIN. DEPTH TOPSOIL FOR SEEDED AREAS.
2. 300mm MIN. DEPTH TOPSOIL FOR SODDED AREAS.
3. 600mm MIN. DEPTH TOPSOIL FOR SHRUB AND TREE BEDS.
4. DEVELOPER TO PROVIDE ORIGINAL SOIL ANALYSIS AND AMENDED SOIL ANALYSIS TO PARKS DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION.

TOWN OF CALEDON						
TOPSOIL / SUBGRADE PREPARATION DETAIL					APR'D: B.B.	DATE: JULY 17
					DRAWN: B.M.	SCALE: N.T.S.
	NO.	REVISION	APR'D	DATE	STANDARD No. 805	

TOPSOIL PREPARATION
Per Town of Caledon Detail — NTS — 5

NOTES:

1. SHRUB HEIGHT SHALL BE MEASURED FROM FINISHED GRADE TO UPPER MAIN MASS OF SHRUB BRANCHES.
2. SHRUBS PLANTED IN GROUPS SHALL BE SET IN CONTINUOUS BEDS AS SHOWN ON PLAN.
3. SET SHRUBS 50mm HIGHER THAN ADJACENT FINISHED GRADE TO ALLOW FOR SETTLEMENT.
4. PLANTING METHOD ILLUSTRATED APPLIES EQUALLY TO BARE ROOT, POTTED, OR B&B NURSERY STOCK.



PRUNING SHALL BE LIMITED TO DEAD OR BROKEN BRANCHES AFTER PLANTING. MAINTAIN ORIGINAL SHAPE OF SHRUB. DO NOT TRIM LEADER BRANCH.

DO NOT PLACE MULCH WITHIN 50MM FROM SHRUB BASE

CONSTRUCT 100mm SOIL SAUCER AROUND TREE BASE AND COVER WITH 75mm APPROVED SHREDDED WOOD MULCH OVER ENTIRE BED AREA

FINISHED GRADE

BIODEGRADABLE WEED BARRIER TO BE APPROVED BY TOWN STAFF PRIOR TO INSTALLATION

SCARIFY, LOOSEN, IRRIGATE AND FERTILIZE THE INSIDE OF THE SHRUB BED PRIOR TO PLANTING

SPECIFIED SOIL MIXTURE FIRMLY COMPACTED TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT

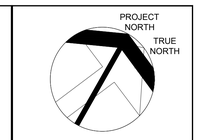
EXCAVATE AND PREPARE PLANTING BED TO MINIMUM 500mm DEPTH AS SPECIFIED

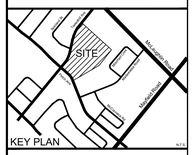
REMOVE NURSERY POTS OR WRAP PRIOR TO PLANTING

COMPACTED SUBGRADE

TOWN OF CALEDON						
SHRUB PLANTING					APR'D: C.C.	DATE: JUNE 08
	3	STANDARD No. 702 NOW 802		APR 19	DRAWN: abal	SCALE: NTS
	2	STANDARD No. 1110 NOW 702		JUNE 08	STANDARD No. 802	
	1	WEED BARRIER ADDED		MARCH 08		
	NO.	REVISION	APR'D	DATE		

SHRUB PLANTING
Per Town of Caledon Detail — NTS — 3





KEY PLAN N.T.S.

NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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KELLY V. V. HUNER
MEMBER

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TOWN OF CALEDON
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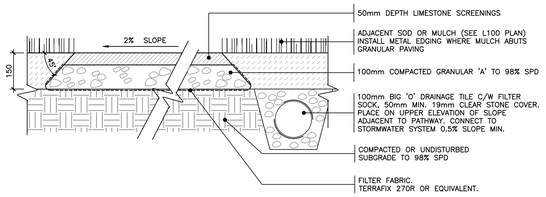
City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLANTING DETAILS

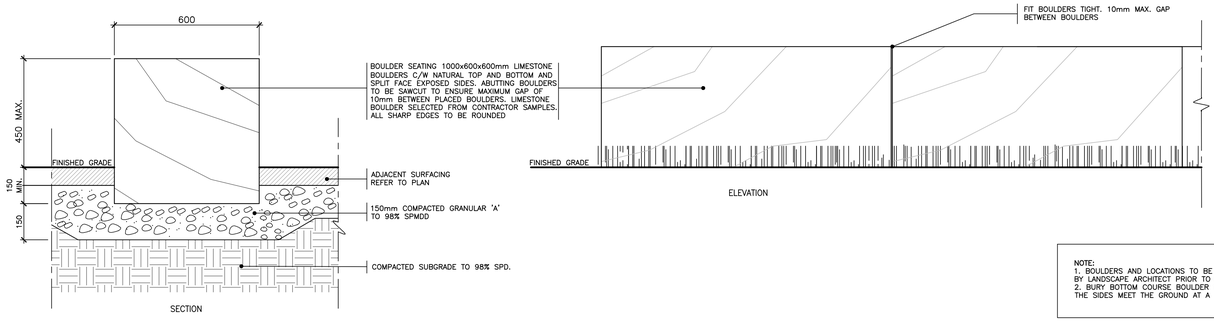
FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M4N 1B9
www.frpinc.ca

SCALE	PROJECT
AS SHOWN	241577
DATE: 10. 2024	
DRAWN: TT	DRAWING: L300
CHECKED: KH	
PRINT DATE	
CAD FILE	



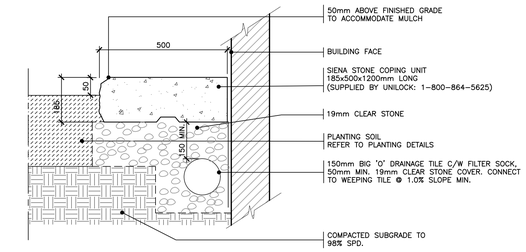
NOTES:
1. EXCAVATE TO REMOVE ALL TOPSOIL AND AS REQUIRED PROVIDE FINISHED GRADES INDICATED ON THE DRAWING. FILL LOW AREAS WITH COMPACTED APPROVED MATERIAL. 2% SIDE SLOPE OR CROWN WALKWAY TO ENSURE DRAINAGE. PROOF ROLL SUB-GRADE AND INSTALL TO 150mm COMPACTED THICKNESS.
2. LIMESTONE SCREENINGS TO BE PREMIXED WITH STABILIZER. BLENDED LIMESTONE SCREENING TO BE BLENDED BY AND INSTALLED UNDER THE SUPERVISION OF THE MANUFACTURER.
3. ALL PEDESTRIAN SURFACES TO HAVE A MAXIMUM RUNNING SLOPE OF 4.9% AND CROSS SLOPE OF 2%

LIMESTONE SCREENINGS 1:10 — 1

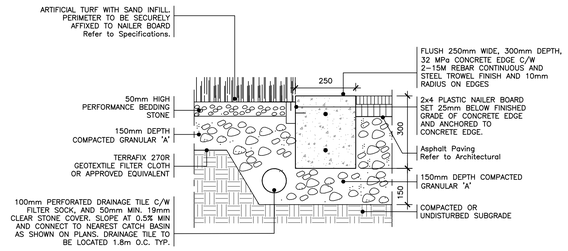


NOTE:
1. BOULDERS AND LOCATIONS TO BE APPROVED ON SITE BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. BURY BOTTOM COURSE BOULDER 150mm MIN. SO THAT THE SIDES MEET THE GROUND AT A 90° ANGLE OR MORE

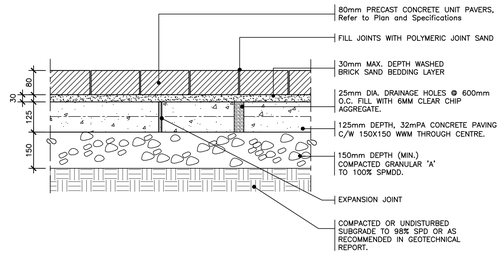
LIMESTONE BOULDER SEATING NTS — 4



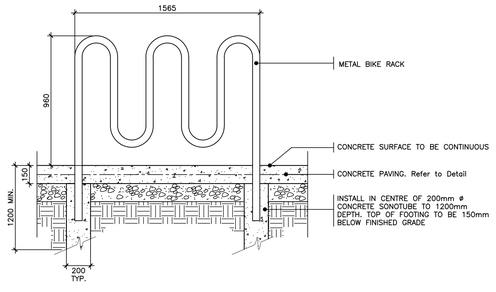
PRECAST MAINTENANCE EDGE 1:10 — 2



ARTIFICIAL TURF C/W FLUSH CONCRETE EDGE 1:10 — 5

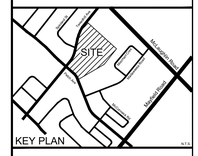


PEDESTRIAN UNIT PAVING 1:10 — 3



BICYCLE RACK NTS — 6





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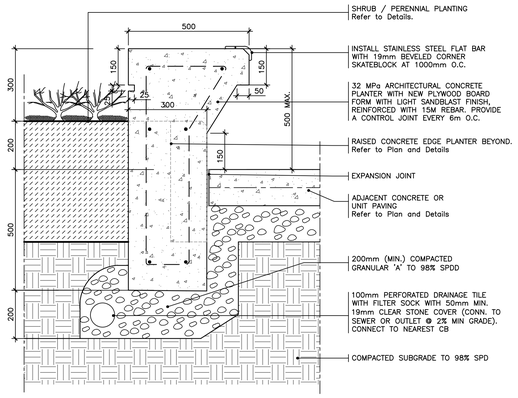
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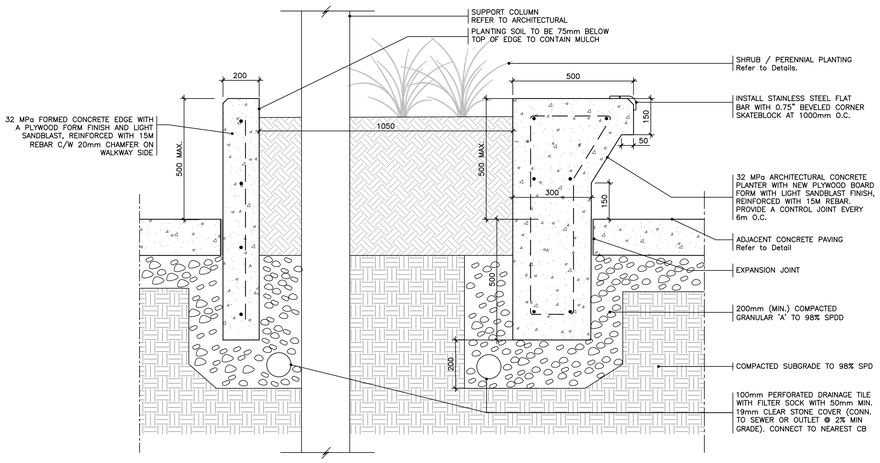
LANDSCAPE DETAILS

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Toronto, M6N 1B9
www.frpinc.ca

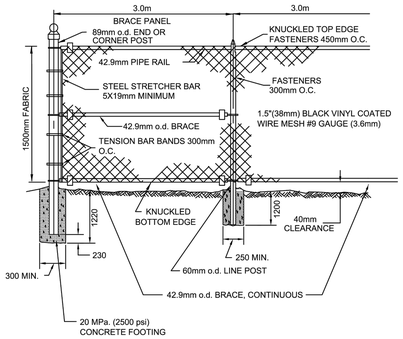
SCALE	AS SHOWN
DATE	10. 2024
DRAWN	TT
CHECKED	KH
PRINT DATE	
CAD FILE	
PROJECT	241577
DRAWING	L301



CONCRETE SEATWALL 1:10 (1)



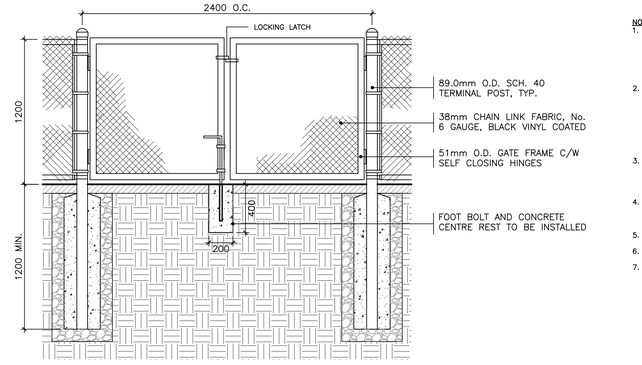
RAISED CONCRETE PLANTER 1:10 (2)



NOTES:
1. ALL POST AND RAILS SHALL BE GALVANIZED STEEL PIPE SCHEDULE 40 WEIGHT, WITH A BLACK POLYETHYLENE COATING.
2. ALL REQUIRED FITTINGS AND HARDWARE SHALL BE OF ALUMINUM ALLOY WITH ELECTROSTATIC POWDER-COATED POLYESTER AND A BLACK BAKED-ON FINISH.
3. LENGTH OF CORNER AND STRAINING POSTS 2.6m, LENGTH OF LINE POSTS 2.5m.
4. RUNS MORE THAN 150m ARE TO HAVE AN 89mm O.D. INTERMEDIATE STRAINING POST WITH A 42.9mm O.D. BRACES IN BOTH DIRECTIONS.
5. THE BARBED TOPS AND BOTTOM OF ALL FENCING TO BE KNUCKLED OVER SUCH THAT NO SHARP PROJECTIONS ARE VISIBLE OVER THE TOP AND BOTTOM PIPE RAIL.
6. FOR GATE DETAIL SEE TOWN STANDARD 601.
7. ALL POST AND MESH TO LIE ON PRIVATE PROPERTY;
8. NO ABOVE GROUND FENCE ELEMENTS SHALL INTRUDE ONTO PUBLIC PROPERTY, INCLUDING THE ROAD RESERVE.

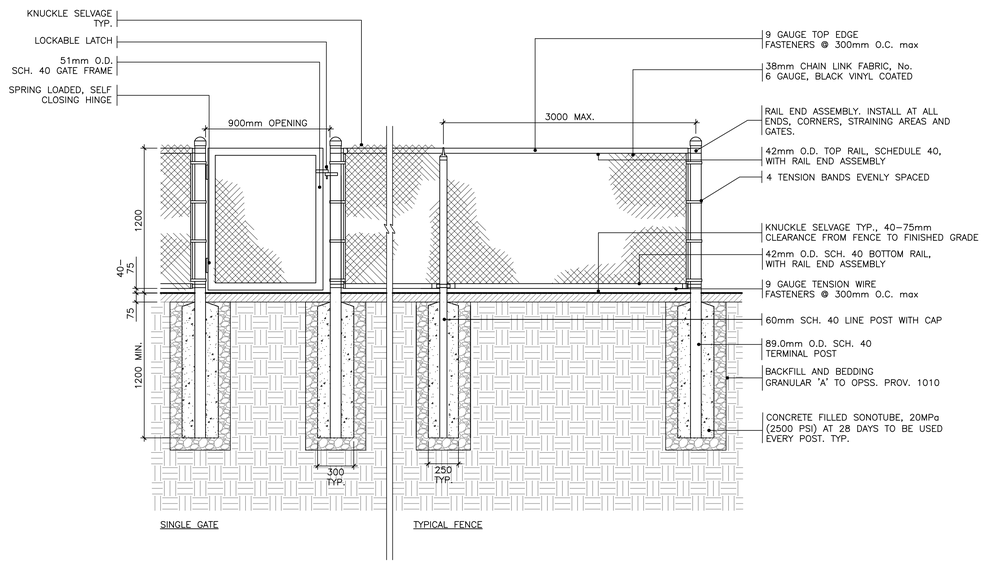
TOWN OF CALEDON						
CHAIN LINK FENCE	3	STANDARD No. 900 NOW 600		JUNE 08	APR'D: C.C.	DATE: JAN 00
	2	PIPE WEIGHT	CC	NOV. 06	DRAWN: BJM	SCALE: N.T.S.
	1	BOTTOM BRACE	CC	JULY 03	STANDARD No. 600	
	NO.	REVISION	APR'D	DATE		

1.5M HT. BLACK VINYL CHAIN LINK FENCE NTS (3)
Per Town of Caledon Detail



DOUBLE GATE

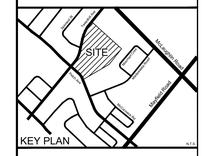
NOTES:
1. CHAIN LINK GATE HEIGHT TO BE AS SPECIFIED ON LANDSCAPE PLAN. BLACK VINYL WOVEN MESH TO BE 38 x 38mm, 6 GA (INCL. VINYL) GALVANIZED STEEL CORE; MESH/FABRIC TO BE FASTENED TO TERMINAL POSTS WITH STRETCHER BARS AND BAR BANDS, 300mm O.C.; SECURE TO RAILS WITH 3mm WIRE TIES KNUCKLED @ 300mm O.C.
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. MODIFY TO SUIT WHERE SINGLE AND / OR DOUBLE GATE IS SHOWN.
6. ALL WIRES TO BE TERMINATED AS TO BE SAFE FOR CHILDREN.
7. ALL DIMENSIONS ARE IN MILLIMETERS.



SINGLE GATE TYPICAL FENCE

1.2m BLACK VINYL CHAIN LINK FENCE AND SINGLE / DOUBLE GATES 1:25 (4)





NO	ISSUED	DATE
7	ISSUED FOR TENDER	26 06 17
6	ISSUED FOR SPA RESUBMISSION	26 02 05
5	ISSUED FOR SPA RESUBMISSION	25 11 03
4	ISSUED FOR PERMIT	25 10 14
3	ISSUED FOR SPA RESUBMISSION	25 08 25
2	ISSUED FOR 80% CDs	25 06 27
1	ISSUED FOR SPA	25 03 14

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.

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

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE
CALEDON, ONTARIO

LEGAL DESCRIPTION
BLOCK 261
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

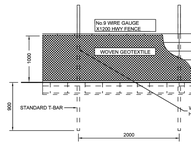
City File #: SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

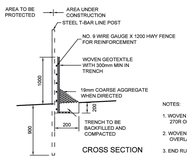
LANDSCAPE
DETAILS

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

SCALE	AS SHOWN
DATE	10. 2024
PROJECT	241577
DRAWN	TT
CHECKED	KH
DRAWING	L302
PRINT DATE	
CAD FILE	



ELEVATION



CROSS SECTION

NOTES:

1. WOVEN GEOTEXTILE TO HAVE A WEAVE DENSITY OF 270R OR EQUIVALENT
2. WOVEN GEOTEXTILE TO HAVE A HORIZONTAL OVERLAP OF 1000mm AT JOINTS.
3. END RUNS SHALL BE TURNED UPSTREAM AT 30°

NO.	REVISION	APR'D	DATE
2	NAME CHANGED, STANDARD No. 326.01 NOW 304		JUNE 08
1	SUPPORT FENCING CHANGED TO HWY FENCE		Oct-02

TOWN OF CALEDON

SEDIMENT CONTROL FENCE

APR'D: C.C. DATE: APRIL 2000

DRAWN: BJM SCALE: N.T.S.

STANDARD No. 304

PLAN

SECTION A-A

NOTES:

1. CATCH BASIN LIFT HOLES TO BE PARGED WITH CONCRETE.
2. WOVEN GEOTEXTILE TO HAVE A MINIMUM EQUIVALENT OPENING SIZE OF 0.15mm AND A MAXIMUM OPENING SIZE OF 0.25mm.

TOWN OF CALEDON

CATCH BASIN SEDIMENT BARRIER

APR'D: C.C. DATE: APRIL 00

DRAWN: BJM SCALE: NTS

NO.	REVISION	APR'D	DATE
1	STANDARD No. 320.02 NOW 303		JUNE 08

STANDARD No. 303

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.

1. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE MUNICIPALITY AND MGM CONSULTING INC.
2. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION.
3. CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE INFORMATION PRIOR CONSTRUCTION.
4. CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FROM ALL EXISTING SERVICES AND UTILITIES.
5. CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVICING.

EROSION AND SEDIMENT SEQUENCING

- Install construction entrance mud mat
- Install silt fence around the perimeter of the site and the perimeter of the proposed temporary topsoil stockpile and material stockpile. Single row silt fence detail as shown on the Sediment and Erosion Control Plan.
- Construct temporary sediment control pond
- Install diversion swales along the north and south ports of the site prior to topsoil stripping as shown on the Sediment and Erosion Control Plan.
- Install rock flow checks as shown on the Sediment and Erosion Control Plan.
- Strip and pregrade the site and ensure conveyance of overland flows through the diversion swales to the temporary sediment control pond.
- During the servicing construction, limit open trench lengths to minimize erosion potential.
- During work stoppages or inclement weather, plug ends of open sewers to prevent downstream sedimentation
- Provide catchbasin sediment protection on all catchbasin and catchbasin manholes for the duration of construction.
- Ensure silt laden water from truck wash areas are 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.
- Provide dust control during dry periods as directed by the site engineer or Conservation
- Clean all adjacent streets as directed by the engineer or Conservation.
- Following base course asphalt, catchbasins to be rewrapped with geotextile.
- Periodic street cleaning and catchbasin cleanout to be performed as required.

EROSION AND SEDIMENT CONTROL NOTES

- Adopt a multi-barrier approach to provide erosion and sediment control through erosion controls first.
- Retain existing vegetation and stabilize exposed soils with vegetation where possible,
- Limit the duration of soil exposure and phase construction where possible,
- Limit the size of disturbed areas by minimizing construction access routes and areas,
- Minimize slope length and gradient of disturbed areas,
- Maintain overland sheet flow and avoid concentrated flows,
- Store/stockpile soil away (e.g. greater than 15 meters) from watercourses, drainage features and top of steep slopes,
- Ensure contractors and all involved in the ESC practices are trained in ECS Plan, implementation, inspections, and maintenance and repairs,
- Adjust ECS to suit all construction site to adapt to site features, and
- Assess all ESC practices before and after all rainfall and significant snowmelt events.

CONSTRUCTION PHASING

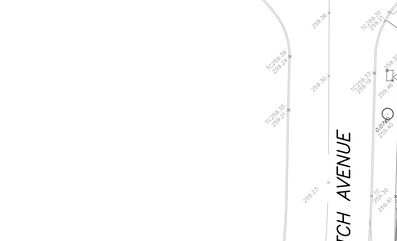
ACTIVITY	ESTIMATED TIMEFRAME
Topsoil Stripping	2 Weeks
Earthworks	4 Weeks

NOTES:

1. TO BE INSTALLED ON ALL CATCHBASINS AND MAINTAINED BETWEEN APRIL AND DECEMBER. REMOVE DURING WINTER MONTHS.
2. WOVEN GEOTEXTILE TO HAVE EQUIVALENT OPENING SIZE BETWEEN 0.15mm AND 0.25mm.
3. WOVEN GEOTEXTILE TO BE REPLACED PERIODICALLY WHEN ACCUMULATED SEDIMENTS INTERFERES WITH DRAINAGE.

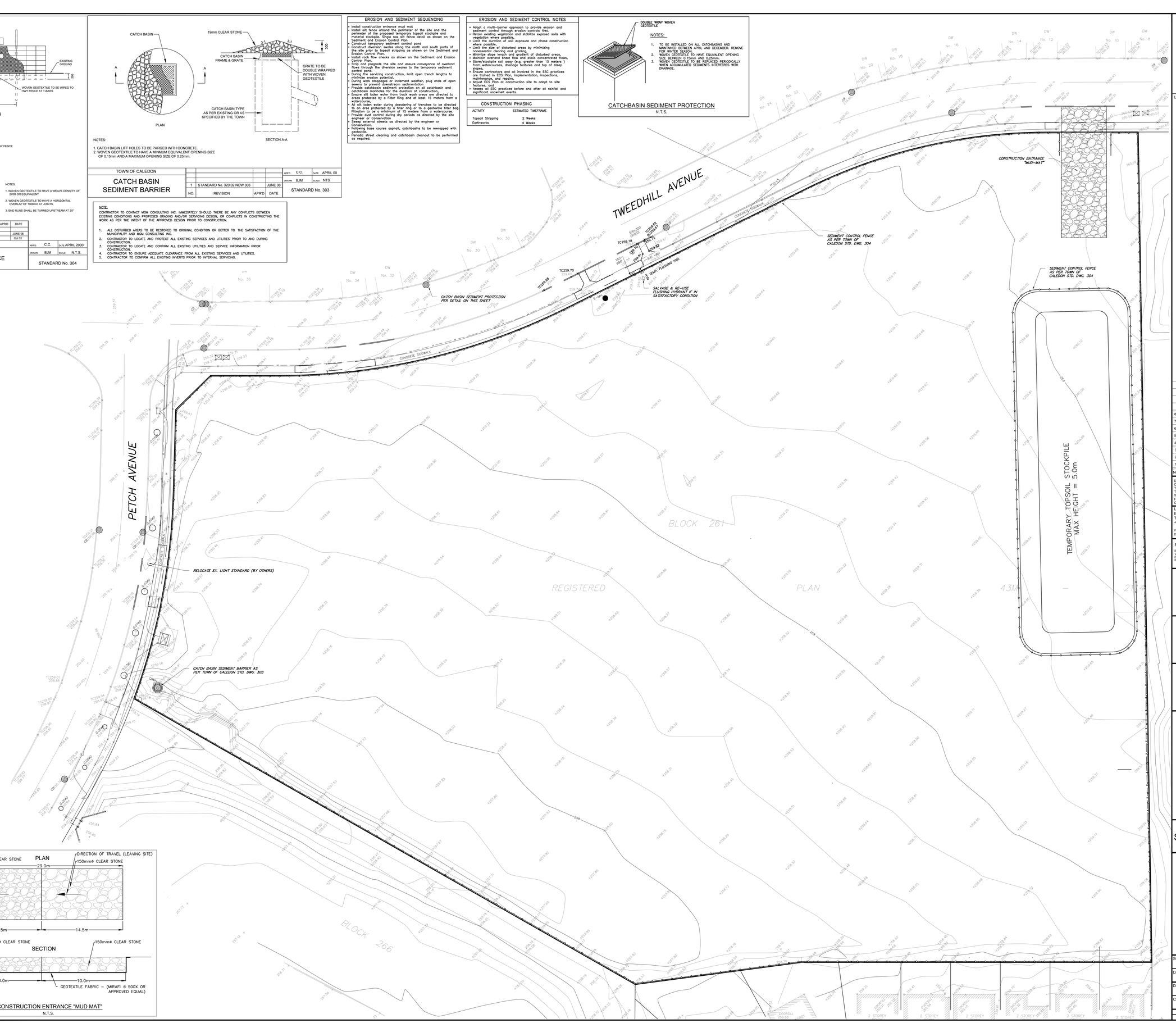
CATCHBASIN SEDIMENT PROTECTION

N.T.S.



CONSTRUCTION ENTRANCE "MUD MAT"

N.T.S.



PROJECT NORTH

TRUE NORTH

LEGEND

- 260.33 EX. ELEVATION
- 259 EX. CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CATCH BASIN SEDIMENT PROTECTION

NO	ISSUED	DATE
8	ISSUED FOR TENDER	JUNE 17, 2026
7	RE-ISSUED FOR SPA	FEB.05, 2026
6	ISSUED FOR SPA RESUBMISSION	NOV.3, 2025
5	ISSUED FOR PERMIT	OCT.14, 2025
4	ISSUED FOR SPA RESUBMISSION	AUG. 25, 2025
3	ISSUED FOR COORDINATION	AUG. 8, 2025
2	ISSUED FOR SPA	MAR.14, 2025
1	ISSUED FOR REVIEW	FEB.20, 2025

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LEGAL SURVEY, TOPOGRAPHICAL SURVEY AND EXISTING UTILITY INFORMATION PROVIDED BY TARASICK McMILLAN KUBICKI LTD., OLS
4181 SLADEVIEW CRESCENT, UNIT 42, MISSISSAUGA ONTATIO L5L 5R2

FILE No: 10272-SRPR-T
DATED DECEMBER 18, 2024

ELEVATION NOTE

ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928, (1978 RE-ADJUSTMENT) AND WERE DERIVED FROM BENCHMARK No. 0092/140071, HAVING A PUBLISHED ELEVATION OF 260.272 metres.

MAYFIELD WEST #2 PUBLIC SCHOOL
Connection No # C604227
Region File # SP-25-025C
City File #: SPA 2025-0025
0 TWEEDHILL AVENUE
CALEDON, ON

peel District School Board

LEGAL DESCRIPTION

PLAN OF SUBDIVISION OF
PART OF LOT 18,
CONCESSION 2
WEST OF HURONTARIO STREET
(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

KENNETH PROFESSIONAL ENGINEER
100517316
JUNE 17/2026
PROVINCE OF ONTARIO

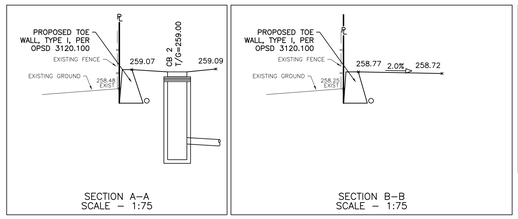
MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive, Suite 201, Milton, Ontario L9T 5E1
Tel: (905)567-6678
Fax: (905)875-1335
Email: mgm@mgm.on.ca
www.mgm.on.ca

EROSION & SEDIMENT CONTROL PLAN

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

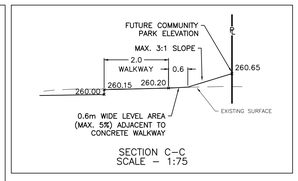
SCALE 1:300	PROJECT 2024-044
DATE JAN. 2025	
DRAWN BN	DRAWING CV-1
CHECKED AK	

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SECTION A–A
SCALE – 1:75

SECTION B–B
SCALE – 1:75



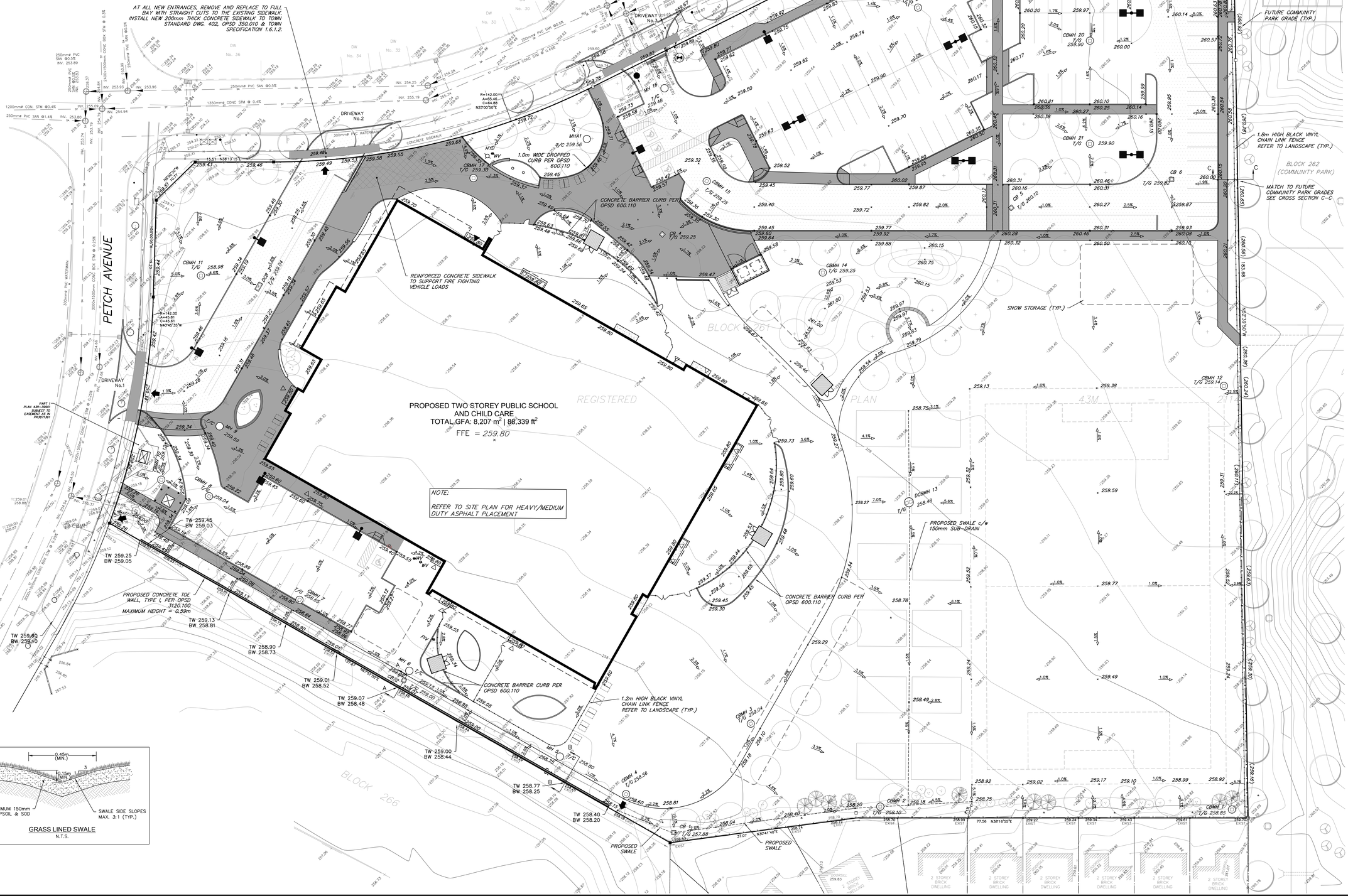
SECTION C–C
SCALE – 1:75

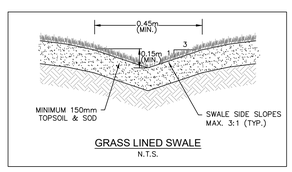
NOTE:
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NOTE:
1. ALL WORK TO CONFORM TO THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO 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.

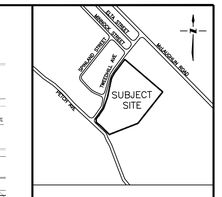
PAVEMENT COMPONENTS	HEAVY DUTY	MEDIUM DUTY
ASPHALTIC CONCRETE	40mm HL3 65mm HL8	40mm HL3 40mm HL8
19mm CRUSHED LIMESTONE	150mm	150mm
GRANULAR B SUB-BASE	300mm	200mm

Pavement design provided by Forward Engineering & Associates Inc. Geotechnical Report Ref.No. 7460, Dated August 6, 2025.





GRASS LINED SWALE
N.T.S.





LEGEND

- CBMH - PROPOSED CB MANHOLE
- MH - PROPOSED STORM MANHOLE
- CB - PROPOSED CATCH BASIN
- MHA1 - PROPOSED SANITARY MANHOLE
- 258.55 - PROPOSED GRADE ELEVATION
- (260.65) - FUTURE COMMUNITY PARK ELEVATION
- 260.55 EXIST - MATCH EXISTING GRADE
- 260.33 - EXISTING GRADE ELEVATION
- 2.0% - PROPOSED SLOPE
- PROPOSED MAJOR OVERLAND FLOW
- CONCRETE
- HD ASPHALT
- MD ASPHALT

NO	ISSUED	DATE
8	ISSUED FOR TENDER	JUNE 17, 2026
7	RE-ISSUED FOR SPA	FEB.05, 2026
6	ISSUED FOR SPA RESUBMISSION	NOV.3, 2025
5	ISSUED FOR PERMIT	OCT.14, 2025
4	ISSUED FOR SPA RESUBMISSION	AUG. 25, 2025
3	ISSUED FOR COORDINATION	AUG. 8, 2025
2	ISSUED FOR SPA	MAR. 14, 2025
1	ISSUED FOR REVIEW	FEB.20, 2025

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4181 SLADEVIEW CRESCENT, UNIT 42, MISSISSAUGA ONTATIO L5L 5R2

FILE No. 10272-SRPR-T
DATED DECEMBER 18, 2024

ELEVATION NOTE
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MAYFIELD WEST #2 PUBLIC SCHOOL
Connection No # C604227
Region File # SP-25-025C
City File #: SPA 2025-0025
0 TWEEDHILL AVENUE
CALEDON, ON

peel District School Board

LEGAL DESCRIPTION
PLAN OF SUBDIVISION OF
PART OF LOT 18,
CONCESSION 2
WEST OF HURONTARIO STREET
(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL



MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive
Suite 201
Milton, Ontario
L9T 5E1
Tel: (905) 567-6678
Fax: (905) 875-1339
Email: mgm@mgm.on.ca
www.mgm.on.ca

GRADING PLAN

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

SCALE	1:300
DATE	JAN. 2025
DRAWN	BN
CHECKED	AK
PROJECT	2024-044
DRAWING	CV-2

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STORM STRUCTURE TABLE

STRUCTURE	STRUCTURE SIZE	STRUCTURE OPSD	FRAME/GRATE OPSD	RIM	INVERT
CBMH 1	1200mm	701.010	400.010	258.85	W 257.25
CBMH 2	1200mm	701.010	400.010	258.10	E 256.83 NW 256.78
CBMH 3*	1200mm	701.010	400.010	259.04	SE 256.63 SW 256.58
CBMH 4*	1200mm	701.010	400.010	258.56	NE 256.44 SE 256.49 NW 256.39
MH 5	1200mm	701.010	401.010	258.80	SE 256.31 NW 256.29
MH 6	1200mm	701.010	401.010	259.13	SE 256.05 SW 255.65 NW 256.02
CBMH 7*	1200mm	701.010	400.010	258.65	SE 255.89 NW 255.85
CBMH 8*	1500mm	701.011	400.010	259.04	SE 255.72 NW 255.69
MH 9	1200mm	701.010	401.010	259.59	SW 257.77 SE 257.60 NE 257.20
CBMH 10*	1500mm	701.011	400.010	259.12 (DROP)	SE 255.65 N 256.15 NE 256.99 NE 255.65 SW 255.60
CBMH 11	1200mm	701.010	400.010	258.98	SE 257.45 SW 256.85
CBMH 12	1200mm	701.010	400.010	259.14	SW 257.35
DCBMH 13	1500mm	701.011	400.010	258.48	NE 257.02 NW 256.97
CBMH 14	1200mm	701.010	400.010	259.25	SE 256.53 NW 256.48
CBMH 15*	1500mm	701.011	400.010	259.25	SE 256.31 SW 256.86 NW 256.26
MH 16	1200mm	701.010	401.010	259.48	SE 256.16 SW 256.52 E 256.69 NW 256.14
CBMH 17*	1200mm	701.010	400.010	259.30	NE 257.15 SW 257.20
CBMH 18*	1200mm	701.010	400.010	259.58	SW 257.48 NE 257.50
CBMH 19*	1200mm	701.010	400.010	259.74	SW 257.79 SE 257.84
CBMH 20*	1200mm	701.010	400.010	259.90	NW 257.92 S 257.97
CBMH 21*	1200mm	701.010	400.010	259.90	N 258.07 SW 258.43 SE 258.12
CB 1	600x600mm	705.010	400.010	257.88	NW 256.55
CB 2	600x600mm	705.010	400.010	259.00	NE 256.76
DCB 3*	600x1450mm	705.020	400.010	259.04	W 257.57
CB 4*	600x600mm	705.010	400.010	259.25	NE 257.78
CB 5*	600x600mm	705.010	400.010	260.12	NE 258.62
CB 6*	600x600mm	705.010	400.010	259.82	NW 258.30

* CATCH BASINS AND CATCH BASIN MANHOLES LOCATED IN PAVED AREAS TO HAVE SUB-DRAINS PER SUB-DRAIN DETAIL ON THIS SHEET

SANITARY STRUCTURE TABLE

STRUCTURE	STRUCTURE SIZE	STRUCTURE OPSD	FRAME/GRATE OPSD	RIM	INVERT
MHA1	1200mm	701.010	401.010	259.56	SW 256.94 NE 256.04
EX.SAN MH	1200mm	701.010	401.010	259.56 (DROP)	SW 256.56 SW 254.88 NW 254.78

SEWER CROSSING TABLE

CROSSING #	INV. UPPER	OBV. LOWER	CLEARANCE
C1	257.70–WM	257.17–STM	0.53m
C2	257.06–SAN	256.56–WM	0.50m
C3	257.50–WM	256.81–STM	0.69m
C4	256.72–STM	256.06–SAN	0.66m
C5	257.80–WM	257.12–STM	0.68m
C6	257.70–HYD	256.20–STM	1.50m
C7	257.70–HYD	256.25–STM	1.45m

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.
7. CONTRACTOR TO CONFIRM THE PAVEMENT STRUCTURE THICKNESS' BASED ON THE GEOTECHNICAL REPORT.

Region Of Peel Notes

1 Public and private services, appurtenances, materials and construction methods must comply with the most current Region of Peel standards and specifications, the Local Municipality's requirements for the Ontario Building Code and Ontario Provincial Standards. All works shall adhere to all applicable legislation, including Regional by-laws.
2. Watermain and / or water service materials 100 mm (4") and larger must be PVC DR18 constructed as per AWWA C900-16. Size 50 mm (2") and smaller must be Type K Soft Copper constructed as per ASTM B88-49 or Polyethylene constructed as per AWWA C901 and CSA B.137.10 (Choose only one material).
3. Watermains and / or water services are to have a minimum cover of 1.7 m (5'6") with a minimum horizontal spacing of 1.2 m (4') from themselves and all other utilities.
4. Provisions for flushing water line prior to testing, etc. must be provided with at least a 50 mm (2") outlet on 100 mm (4") and larger lines. Copper lines are to have flushing points at the end, the same size as the line. They must also be hosed or piped to allow the water to drain onto a parking lot or down a drain. On fire lines, flushing outlet to be 100 mm (4") diameter minimum on a hydrant.
5. All curb stops to be 3.0 m (10') off the face of the building unless otherwise noted.
6. Hydrant and valve set to Region standard 1 - 6 - 1 Dimension A and B, 0.7 m (2') and 0.9 m (3') and to have pumper nozzle.
7. Watermains to be installed to grades as shown on approved site plan. Copy of grade sheet must be supplied to inspector prior to commencement of work, where requested by inspector.
8. Watermains must have a minimum vertical clearance of 0.3 m (12") over / 0.5 m (20") under sewers and all other utilities when crossing.
9. All proposed water piping must be isolated from existing lines in order to allow independent pressure testing and chlorinating from existing systems.
10. All live tapping and operation of Region water valves shall be arranged through the Regional Inspector assigned or by contacting the Operations and Maintenance Division.
11. Location of all existing utilities in the field to be established by the contractor.
12. The contractor(s) shall be solely responsible for locates, exposing, supporting and protecting of all underground and overhead utilities and structures existing at the time of construction in the area of their work. Whether shown on the plans or not and for all repairs and consequences resulting from damage to same.
13. The contractor(s) shall be solely responsible to give 72 hours written notice to the utilities prior to crossing such utilities, for the purpose of inspection by the concerned utility. This inspection will be for the duration of the construction, with the contractor responsible for all costs arising from such inspection.
14. All processed water piping must be isolated through a temporary connection that shall include an appropriate cross-connection control device, consistent with the degree of hazard, for backflow prevention of the active distribution system, conforming to Region of Peel standards 1-7-7 or 1-7-8.
15. All water meters must be installed in heated and accessible space.
16. Proposals to connect to an existing service lateral requires approval from the Region of Peel inspector at construction stage.
17. The Owner acknowledges and agrees that if the connection is not used within one calendar year from the preliminary acceptance of the watermain(s), the Region may require that any watermain(s) be cut and capped at the cost of the Owner. Re-commissioning of the watermain(s), as required by legislation, will be at the cost of the Owner.

BACKFLOW PREVENTION NOTES

- No connection is to be done without Region of Peel approval.
- Selection and installation of backflow preventers shall be in accordance with CSA B64.10-23 Standard.
- All fire service water mains are required to have an approved CSA B64.9 single check valve assembly installed (minimum requirement) as follows.

Single check valve for fire protection systems (SCVAF) – a backflow preventer that consists of one force-loaded, independently acting check valve, including resilient-seated shut-off valves located at each end of the SCVAF backflow preventer and fitted with resilient-seated test cocks. SCVAF backflow preventers are designed for use under continuous pressure.

- After installation, backflow preventers must be tested as per bylaw and CSA B64.10-23 Standard.
- All backflow assemblies are to be installed as per CSA B64 requirements and testing shall be done after installation with all reports submitted to the Region of Peel for review.
- Three test ports (3/4" is minimum size) are required to be installed alongwith meter bypass if fire hydrants are located on private side.
- All test valves are to have proper caps (as per CSA) installed to prevent problems with assembly.

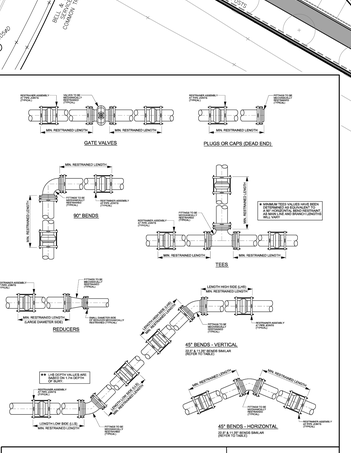
MINIMUM RESTRAINING LENGTH (m) TABLE

DESCRIPTION	PIPE DIAMETER (mm)					
	100 Ø	150 Ø	200 Ø	250 Ø	300 Ø	400 Ø
VALVES, DEAD ENDS, CAPS, PLUGS Either side of valves and before caps or plugs	7.5	10.5	13.5	16.0	19.0	24.5
TEES ★ Size on size or reducing tees	3.0	3.5	4.5	5.5	$12.5_{(A)}$	$12.5_{(B)}$
HORIZONTAL BENDS						
11.25° bends	0.5	0.5	1.0	1.0	1.0	1.0
22.5° bends	1.0	1.0	1.5	1.5	1.5	1.5
45° bends	1.5	1.5	2.0	2.5	3.0	3.5
90° bends	3.0	3.5	4.5	5.5	$12.5_{(A)}$	$12.5_{(B)}$
45° VERTICAL BENDS ★★						
Length High Side - LHS (Based on 1.7m cover)	3.5	4.5	6.0	7.0	8.0	10.5
Length Low Side - LLS (Depth greater than or equal to 1.7m)	1.5	1.5	2.0	2.5	3.0	3.5
22.5°, & 11.25° VERTICAL BENDS ★★						
Length High Side - LHS (Based on 1.7m cover)	1.5	2.5	3.0	3.5	4.0	5.0
Length Low Side - LLS (Depth greater than or equal to 1.7m)	1.0	1.0	1.5	1.5	1.5	2.0

REDUCERS	LARGE DIAMETER SIDE (mm)					
SMALL DIAMETER SIDE (mm)	100 Ø	150 Ø	200 Ø	250 Ø	300 Ø	400 Ø
100 Ø	n/a	5.5	10.0	13.0	16.5	23.0
150 Ø	n/a	n/a	6.0	10.0	14.0	21.0
200 Ø	n/a	n/a	n/a	5.5	10.5	18.0
250 Ø	n/a	n/a	n/a	n/a	6.0	15.0
300 Ø	n/a	n/a	n/a	n/a	n/a	10.5
400 Ø	n/a	n/a	n/a	n/a	n/a	n/a

TABLE VALUES BASED UPON EBAA 'CL (Granular)' SOIL TYPES
(Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays - backfilled with granular material)
★ SEE BELOW FOR TEE DIAMETER SPECIFIC VALUES FOR 90° BENDS AND TEES HAVE BEEN INCREASED TO 12.5m MINIMUM LENGTHS.

NOTE
1. BLOCKING IS NOT PERMITTED ON NEW INSTALLATIONS.
2. TABLE VALUES ARE BASED UPON PVC PIPE MANUFACTURER'S RECOMMENDED MINIMUM RESTRAINING LENGTHS FOR FITTINGS AND VALVES.
3. TABLE CALCULATION PARAMETERS ARE BASED UPON A SAFETY FACTOR OF 1.5 TO 1, WITH A TYPE 'S' TRENCH AND A TEST PRESSURE OF 1550kPa (150psi) LAY 1.7m DEPTH OF BURY. INSTALLATION DEPTH LESS THAN 1.7m REQUIRES A HIGHER SAFETY FACTOR THAN 1.5 TO 1 AND MAY REQUIRE ADDITIONAL RESTRAINT.
4. MINIMUM RESTRAINED PIPE LENGTHS LISTED ARE INTENDED TO ADDRESS PRESSURE PIPE INSTALLATIONS UNDER NORMAL CONDITIONS WITH GRANULAR 'D' (UNDISTURBED SCREENING, COLOUR TO BE BETWEEN LIGHT GREY TO WHITE) BEDDING MATERIAL WITH A MINIMUM 1.7m DEPTH OF COVER.
5. REFER TO PLAN AND PROFILE DESIGN DRAWINGS, WHICH INDICATE PROJECT SPECIFIC MINIMUM RESTRAINED PIPE LENGTHS. THE RESTRAINED LENGTHS INDICATED ON THE PLAN AND PROFILE DRAWING IN THE CASE WHERE THE RESTRAINED LENGTHS ARE GREATER THAN THE TABLE VALUES SHOWN.
6. SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING SOILS CONDITIONS:
   - DEPTH OF BURY LESS THAN 1.7m
   - CRITICAL INSTALLATIONS REQUIRING A HIGHER SAFETY FACTOR THAN 1.5 TO 1
   - SOILS WITH SPT 'N' < 10 OR Su < 75kPa (PER GEOTECHNICAL REPORT)
   - ROCK EXCAVATION
   - FILL, SOILS AT BASE OF TRENCH
   - ORGANIC SOILS BELOW INVERT
   - WHERE DEWATERING SYSTEM IS REQUIRED / ACTIVE DEWATERING
   - ANY OTHER SOILS OR PROJECT SPECIFIC CONDITIONS NOT COVERED IN TABLE.
7. SHOP DRAWINGS ARE REQUIRED FOR ALL INSTALLATIONS WITH PIPE DIAMETER EQUAL TO AND GREATER THAN 400mm (AWWA C900).
8. ALL PIPING, FITTINGS, VALVES, APPURTENANCES AND MECHANICAL RESTRAINTS TO BE c/w DENSO PASTE, DENSO MASTIC AND DENSO TAPE OR APPROVED EQUAL, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.



Region of Peel Working for you	PUBLIC WORKS STANDARD DRAWING	REV. DATE: APRIL 2014
	APPROVED BY: A.P.	DRAWN BY: ANLEY GROUP
TYPICAL MECHANICAL THRUST RESTRAINT FOR PVC PIPE	STD. DWG. NUMBER: 1-5-9	SCALE: N.T.S.

PROPOSED TWO STOREY PUBLIC SCHOOL
AND CHILD CARE
TOTAL GFA: 8,207 m² | 88,339 ft²
FFE = 259.80

AREA = 31269 sq.m. (3.127 ha)

SUBJECT SITE

LEGEND
- CBMH - PROPOSED CB MANHOLE
- MH - PROPOSED STORM MANHOLE
- CB - PROPOSED CATCH BASIN
- MHA1 - PROPOSED SANITARY MANHOLE
- ×321.78 - PROPOSED GRADE ELEVATION
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN

NO	ISSUED	DATE
11	ISSUED FOR TENDER	JUNE 17, 2026
10	BACKFLOW PREVENTION NOTES ADDED	MAR.23, 2026
9	RE-ISSUED FOR SPA	FEB.05, 2026
8	ISSUED TO REGION OF PEEL	JAN.6, 2026
7	MECHANICAL THRUST RESTRAINT TABLE ADDED	DEC.10, 2025
6	ISSUED FOR SPA RESUBMISSION	NOV.3, 2025
5	ISSUED FOR PERMIT	OCT.14, 2025
4	ISSUED FOR SPA RESUBMISSION	AUG. 25, 2025
3	ISSUED FOR COORDINATION	AUG. 8, 2025
2	ISSUED FOR SPA	MAR.14, 2025
1	ISSUED FOR REVIEW	FEB.20, 2025

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.

LEGAL SURVEY, TOPOGRAPHICAL SURVEY AND EXISTING UTILITY INFORMATION PROVIDED BY TARASICK McMILLAN KUBICKI LTD., OLS
4181 SLADEVIEW CRESCENT, UNIT 42, MISSISSAUGA ONTATIO L5L 5R2

FILE No. 10272-SRPR-T
DATED DECEMBER 18, 2024

ELEVATION NOTE
ELEVATIONS ARE REFERRED TO CANADIAN GEODETIC VERTICAL DATUM-1928, (1978 RE-ADJUSTMENT) AND WERE DERIVED FROM BENCHMARK No. 0080514007, HAVING A PUBLISHED ELEVATION OF 260.272 metres.

MAYFIELD WEST #2
PUBLIC SCHOOL
Connection No # C604227
Region File # SP-25-025C
City File #: SPA 2025-0025
0 TWEEDHILL AVENUE
CALEDON, ON

peel District School Board

LEGAL DESCRIPTION
PLAN OF SUBDIVISION OF
PART OF LOT 18,
CONCESSION 2
WEST OF HURONTARIO STREET
(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

PROFESSIONAL ENGINEER
J. KOZYN
100513141
JUNE 17/2026
PROVINCE OF ONTARIO

MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive — Tel: (905) 267-8676
Suite 201 — Fax: (905) 875-1339
Milton, Ontario — Email: mgm@mgm.on.ca
L9T 5E1 — www.mgm.on.ca

SERVICING PLAN

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

SCALE 1:300	PROJECT 2024-044
DATE JAN. 2025	
DRAWN BN	DRAWING CV-3
CHECKED AK	

J:\Projects\2024-044 Mayfield 2\Drawings\2024-044-02.dwg

FIRE SEPARATION NOTES

1. STRUCTURAL STEEL SUPPORTING 2ND FLOOR (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 SECTION (IE. FIRE-PROOFING, GYPSUM BOARD ETC.)

3. 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.

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, INTEROR CURTAIN WALL AND HOLLOW METAL SCREENS LOCATED AT FIRE SEPARATIONS REQUIREING 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 MECHCNIAL SPRINKLER DRAWINGS.

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:

11A. PRECAST SLABS OBTAIN FIRE RESISTANCE RATING PER OBC 2012 SB-2 - TABLE 2.2.1.A. SEE TABLE THIS PAGE.

11B. FOR PRECAST CONCRETE SLABS REQUIRED TO HAVE FRR, MAINTAIN MIN. CONC. COVER OVER REINFORCEMENT ACCORDING TO OBC- SUPPLEMENTARY STANDARDS SB-2 - FIRE RESISTANCE RATINGS, TABLE 2.2.1.B.

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

CEMENTITIOUS SPRAY FIRE-PROOFING - CONCEALED SPACES

12A. STEEL FLOOR STRUCTURE SUPPORT: BEAMS OR JOISTS SUPPORTING A **PRECAST FLOOR** (IN CONCEALED SPACES): BXUV7 UL J957

12B. STEEL FLOOR STRUCTURE SUPPORT: BEAMS OR JOISTS SUPPORTING A **COMPOSITE CONCRETE & METAL DECK FLOOR** (IN CONCEALED SPACES): BXUVC F906

12C. STEEL COLUMNS SUPPORTING A **PRECAST FLOOR OR COMPOSITE CONCRETE & METAL DECK FLOOR** SHALL BE FILLED WITH CONCRETE AS PER OBC- SUPPLEMENTARY STANDARDS SB-2 2.6.6. CONCRETE FILLED HOLLOW STEEL COLUMNS

12D. STEEL HANGERS SUPPORTING RATED 2ND FLOOR AT CORRIDOR 206 SHALL BE FIRE-PROTECTED WITH ATTACAHEMENT OF GYPSUM WALLBOARD AS DESCRIBED IN OBC: SUPPLEMENTARY STANDARDS SB-2 2.6.5. AND IN DRAWING DETAILS.

INTUMESCENT COATING - EXPOSED SPACES

12E. STEEL FLOOR STRUCTURE SUPPORT: BEAMS OR JOISTS SUPPORTING A **PRECAST FLOOR** (IN EXPOSED SPACES): BXUVC F906 WHERE INDICATED ON DRAWINGS

12F. STEEL FLOOR STRUCTURE SUPPORT: BEAMS OR JOISTS SUPPORTING A **COMPOSITE CONCRETE & METAL DECK FLOOR** (IN EXPOSED SPACES): BXUVC F906

12G. STEEL COLUMNS SUPPORTING A **PRECAST FLOOR OR COMPOSITE CONCRETE & METAL DECK FLOOR** (IN EXPOSED SPACES): UL Z610

13. THE ABOVE NOTES ARE TO BE READ IN CONJUNCTION WITH FIRE SEPARATION DRAWINGS, AD 725 "TOP OF WALL AT FIRE SEPARATION" AND APPLICABLE SPECIFICATION SECTIONS (IE. FIRE PROOFING, GYPSUM BOARD ETC.)

8. 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 453.

Occupant Load for Mayfield West #2 Public 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
GROUND	Kindergarten	8	26	1	208	8	216	
	Special Education	1	9	1	9	1	10	
	Classroom	2	26	1	52	2	54	
	Music Vocal	1	26	1	26	1	27	
	Music Instrumental	1	26	1	26	1	27	
	Gym (1st Floor)	0	0	0	0	0	0	(*)
	Resource Rooms (>400 ft² / 37.2m2)	0	12	1	0	0	0	
	Administration Areas:							
	Principal	1	0	1	0	1	1	
	Vice Principal	1	0	1	0	1	1	
	Receptionists	2	0	2	0	3	4	
	CYC / Sert / Clincian	3	0	1	0	3	3	
	Custodians	2	0	2	0	3	4	
	Librarian	1	0	1	0	1	1	
	Subtotal ground floor				321	25	**348**	
SECOND	Classroom	21	26	1	546	21	567	
	Science	1	26	1	26	1	27	
	Art	1	26	1	26	1	27	
	STAC	1	26	1	26	1	27	
	Resource Rooms (>400 ft² / 37.2m2)	1	12	1	12	1	13	
	Library	0	0	0	0	0	0	
	Subtotal second floor				636	25	**661**	
	Subtotal School				**957**	50	1009	
	Future Portables	12	26	1	312	12	**324**	

(*) Gym HVAC system (fresh air) designed to accommodate 1128 persons for a 1 hour assembly occupancy situation.

TOTAL OCCUPANT LOAD school			**1009**
TOTAL OCCUPANT LOAD school & portables	**1269**		**1333**
TOTAL STUDENT OCCUPANT LOAD (for the purpose of WR rqmnts) - including portables, excluding Child Care. (note kindergartens are not included as 1 washroom is provided for each classroom of 26 students)	**1061**		

CHILD							
	Infant	1	10	2	10	2	12
	Toddler	1	15	2	15	2	17
	Preschool	2	24	2	48	4	52
	Administration Areas:	6	0	1	0	6	6
	Subtotal Child Care				73	14	**87**

1061	student load divided by 2	=	530.5	boys & 530.5 girls.
530.5	divided by 30 boys	=	**17.7**	boys washrooms required (students)
530.5	divided by 26 girls	=	**20.4**	girls washrooms required (students)
50	staff load divided by 2	=	25	Men & 25 Women.
25	divided by 30 men	=	**0.8**	Male washroom required (staff)
25	divided by 26 women	=	**1.0**	Female washroom required (staff)

WATER CLOSET COUNT

OBC 3.7.4.3.(14)

WASHROOM TYPE	NO. OF WATER CLOSETS & URINALS
BOY'S WASHROOMS (4 WASHROOMS)	24
TOTAL WATER CLOSETS = 12	
TOTAL URINALS = 12	
GIRL'S WASHROOMS (4 WASHROOMS)	28
KINDERGARTEN WASHROOM	8
CHILD CARE WASHROOMS	8
CHILD CARE BARRIER-FREE WR (UNISEX STAFF)	1
STAFF WASHROOMS	5
UNIVERSAL WASHROOM	1
HEALTH WASHROOM	1

LAVATORY COUNT

OBC 3.7.4.2.(5)

WASHROOM TYPE	NO. OF WATER CLOSETS PROVIDED	NO. OF LAVATORIES
BOY'S WASHROOM (4 WASHROOMS)	24	3-SPRAY BRADLEY PER WR
GIRL'S WASHROOM (4 WASHROOMS)	28	4-SPRAY BRADLEY PER WR
KINDERGARTEN	8	8
CHILD CARE	8	8
CHILD CARE BF(UNISEX STAFF)	1	1
STAFF WASHROOMS	5	5
UNIVERSAL WASHROOM	1	1
HEALTH WASHROOM	1	1

OBC MATRIX

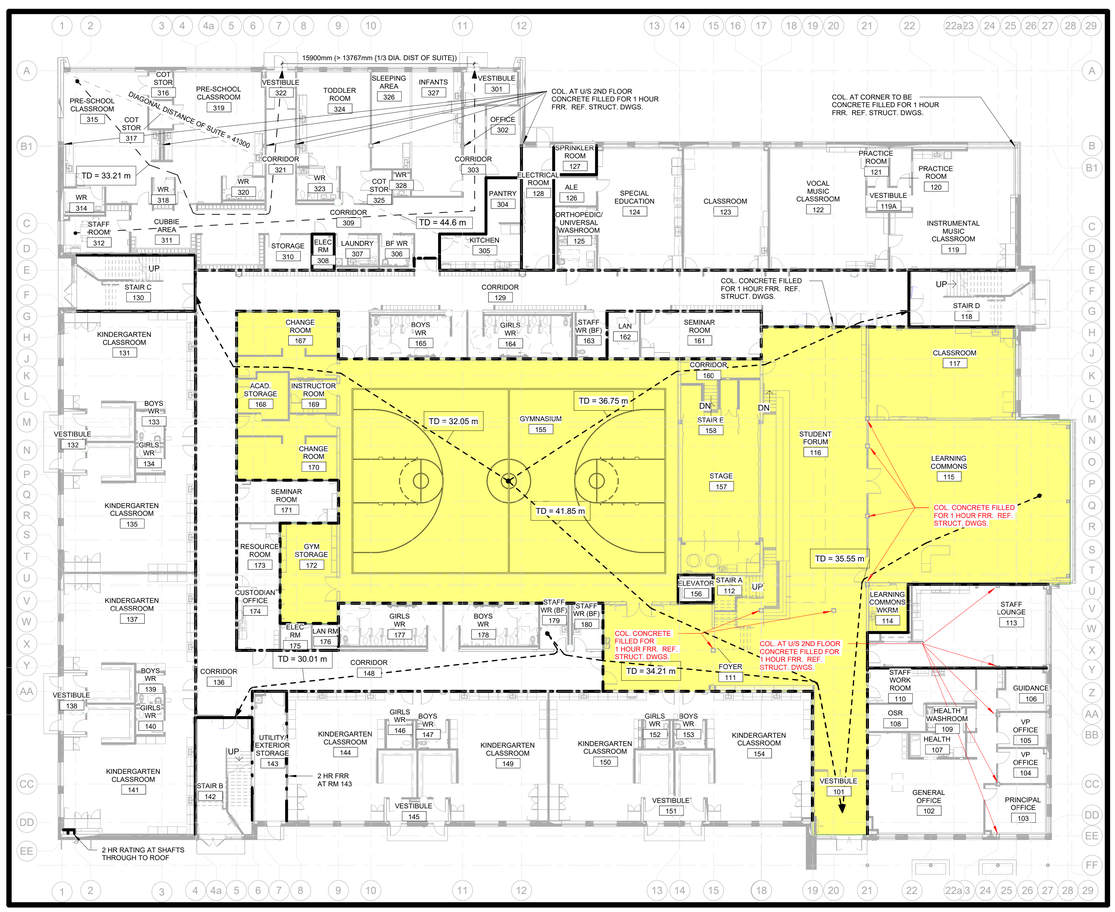
1	PROJECT DESCRIPTION:	2 STOREY PUBLIC SCHOOL	■ NEW / ☐ ADDITION / ☐ ALTERATION / ☐ CHANGE OF USE	■ PART 3 / ☐ PART 11
1a	PROJECT NAME & ADDRESS:	MALALA YOUSAFZAI PUBLIC SCHOOL, REMEMBRANCE RD & QUEEN MARY DR., BRAMPTON, ON		
2	MAJOR OCCUPANCY(S):	GROUP A DIVISION 2		
3	BUILDING AREA (SQ.M.):	EXIST. N/A NEW 4,276	TOTAL 4,276	
4	GROSS AREA (SQ.M.):	EXIST. N/A NEW school 7,535 NEW childcare 631	TOTAL 8,166	
5	NO. OF STOREYS ABOVE GRADE:	2	BELOW GRADE: 0	
6	NUMBER OF STREETS/ACCESS ROUTES:	2		
7	BUILDING CLASSIFICATION:	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		
	BASEMENT OCCUPANCY N/A LOAD N/A PERSONS			SEE ADJACENT CHARTS FOR DETAILED CALCS.
	1ST FLOOR OCCUPANCY A2 LOAD 348 PERSONS			
	2ND FLOOR OCCUPANCY A2 LOAD 661 PERSONS			
16	BARRIER-FREE DESIGN:	■ YES	☐ NO	
17	HAZARDOUS SUBSTANCES:	☐ YES	■ NO	

18 REQUIRED FIRE RESISTANCE RATING (FRR)

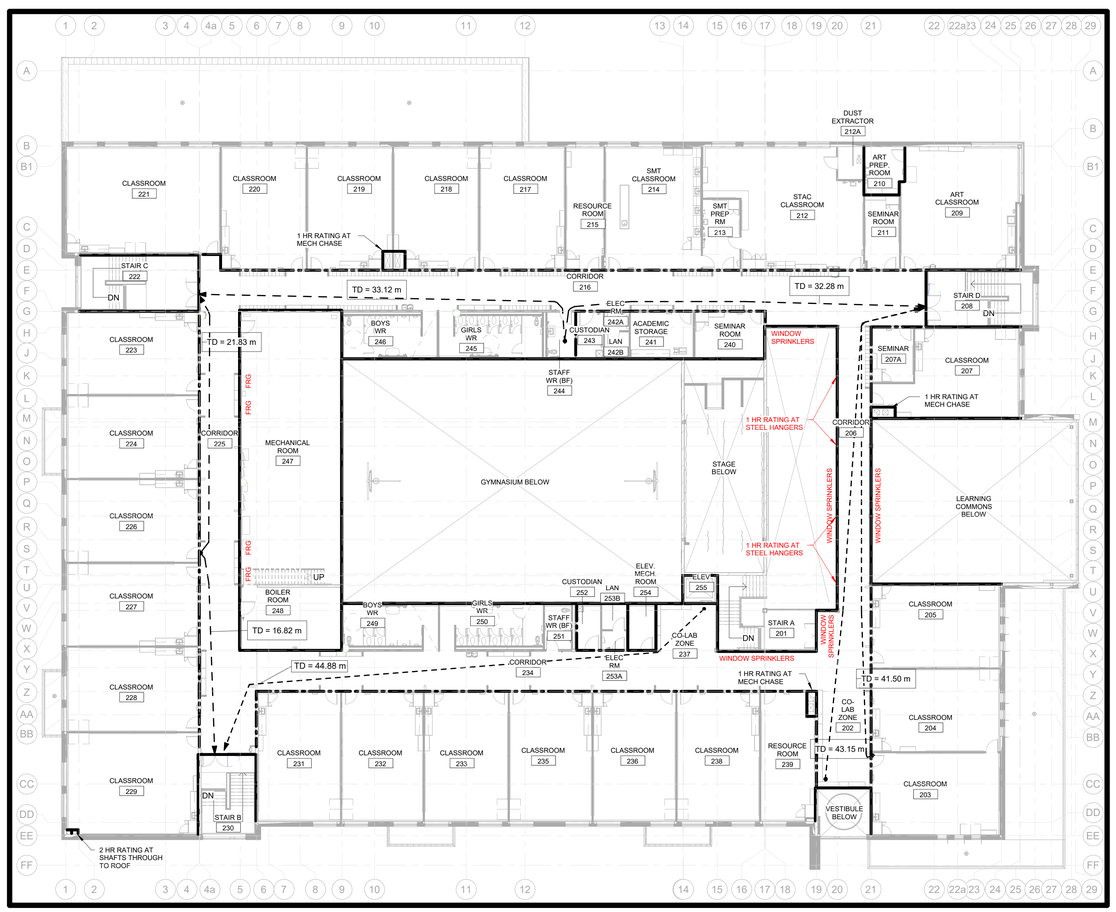
HORIZONTAL ASSEMBLIES FRR (HOURS)			LISTED DESIGN NO. OR DESCRIPTION (SG-2)
FLOOR(S)	1	HOURS	2ND FLOOR IS 250mm THICK PRECAST CONCRETE SLAB WITH 50mm OF CONCRETE TOPPING
ROOF	0	HOURS	OBC 3.2.2.17 SPRINKLERS IN LIEU OF ROOF RATING
MEZZANINE	N/A	HOURS	N/A
FRR OF SUPPORTING MEMBERS			**LISTED DESIGN NO. 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 or 190 non-combustible masonry block and have a fire-resistance rating of at least 1 hour.
ROOF	0	HOURS	N/A
MEZZANINE	N/A	HOURS	N/A

19 SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS (NON-COMBUSTIBLE)

WALL	AREA OF EBF (sq.m.)	L.D. (m)	L/H OR H/L	PERMITTED MAX. % OF OPENINGS	PROPOSED % OF OPENINGS
NORTH	N/A - this wall exceeds maximum limiting distance from the property line in a sprinklered building				
SOUTH	N/A - this wall exceeds maximum limiting distance from the property line in a sprinklered building				
EAST	N/A - this wall exceeds maximum limiting distance from the property line in a sprinklered building				
WEST	N/A - this wall exceeds maximum limiting distance from the property line in a sprinklered building				



4 / A01 *FIRE SEPARATIONS - GROUND FLOOR*
SCALE: 1 : 200



5 / A01 *FIRE SEPARATIONS - SECOND FLOOR*
SCALE: 1 : 200

TRUE NORTH
PROJECT NORTH

FIRE SEPARATION LEGEND

- 2 HOUR FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- 1/2 HOUR FIRE SEPARATION
- NON-RATED FIRE SEPARATION

REFER TO GENERAL FIRE SEPARATION NOTES THIS PAGE

TABLE B - FIRE RESISTANCE RATINGS FOR REINFORCED PRESTRESSED CONCRETE FLOORS AND ROOF SLABS (PER OBC 2024 SB-2 -TABLE 2.2.1.A)

ACTUAL EQUIVALENT THICKNESS (mm)	SLAB DEPTH	REQ. EQ.T (mm) TYPE 'N' CONC.	FIRE RESIST. RATING
136	250mm	87	1 HR

TABLE A - FIRE RESISTANCE RATINGS FOR CONCRETE BLOCK PARTITIONS (PER OBC 2024 SB-2 -TABLE 2.1.1)

ACTUAL EQUIVALENT THICKNESS (mm)	CONCRETE BLOCK OPTIONS	REQ. EQ.T (mm) LWC	NWC	FIRE RESIST. RATING
106	190mm HOLLOW NORM. WEIGHT	66	73	1 HR
81	140mm HOLLOW NORM. WEIGHT			
66	90mm HOLLOW LIGHT WEIGHT			
74	90mm 75% SOLID NORM. WEIGHT			

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	6/19/26
2	RE-ISSUED FOR BLDG PERMIT	3/6/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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ONTARIO ASSOCIATION OF ARCHITECTS — JUNE 22/26 — PRISCILLA LADOUCEUR LICENCE 8553

Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
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FIRE SEPARATION & OBC MATRIX

HOSSACK ARCHITECTURE
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(905) 815-8284 admin@hossackarch.com

SCALE	As indicated
PROJECT	24112
DATE	JUNE 2026
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ENSURE BFP IS MOUNTED TIGHT TO EDGE OF WALL AND COORDINATE POSITION OF FENCE AS SHOWN

INSTALL BFP ON ALUM FRAME

HEATER. TYP. REF. MECH DWGS.

FENCE LINE TYP. REF. SITE PLAN

PRE-SCHOOL CLASSROOM 315

PRE-SCHOOL CLASSROOM 319

TODDLER ROOM 324

INFANTS 327

SLEEPING AREA 326

U/C FRIDGE

CORRIDOR 321

CORRIDOR 303

OFFICE 302

SC1

SC2

SC3

SC4

ELECTRICAL ROOM 128

SPRINKLER ROOM 127

ALE 126

PANTRY 304

KITCHEN 305

ORTHOPEDIC/ UNIVERSAL WASHROOM / 125

STAFF ROOM 312

CUBBIE AREA 311

21 CUBBIES

31 CUBBIES

46 LKRS

21 LKRS

STORAGE 310

ELEC RM 308

LAUNDRY 307

STROLLER STORAGE 328

OPENING 2200 HIGH. LINTEL AND BLOCK WALL ABOVE. REF. STRUCT. DWGS.

16mm GYP BD ON 152 STUD CHASE WALL AT MILLWORK

HALF DOOR ON PARTIAL HALF WALL

HALF DOOR 400mm PARTIAL HALF WALL

75 CUBBIES TOTAL

18 CUBBIES

12 HALF LKRS

STAIR C 130

STAIR B 142

STAIR D 118

PROVIDE 1 - 1220 X 2440 16mm **FIRE-RATED** PLYWOOD SHEET FASTENED TO WALL FOR CHILD CARE PROVIDER IT RACK. FINAL LOCATION TO BE COORD.ON SITE.

CORRIDOR 129

CORRIDOR 166

CORRIDOR 148

CORRIDOR 136

CORRIDOR 309

CORRIDOR 314

CHANGE ROOM 167

CHANGE ROOM 170

BENCHES "MS" REF. AD 502

KINDERGARTEN CLASSROOM 131

KINDERGARTEN CLASSROOM 135

KINDERGARTEN CLASSROOM 137

KINDERGARTEN CLASSROOM 141

KINDERGARTEN CLASSROOM 144

KINDERGARTEN CLASSROOM 146

KINDERGARTEN CLASSROOM 149

KINDERGARTEN CLASSROOM 150

KINDERGARTEN CLASSROOM 154

1400mm HIGH BLOCK WALL. DOUBLE BULLNOSE TOP TYP. AT ALL KINDERGARTEN CLASSROOMS (AS SHOWN IN GREY TONE)

COORDINATE POSITION OF FENCE & BFP AS SHOWN

ACAD. STORAGE 168

INSTRUCTOR ROOM 169

SEMINAR ROOM 171

RESOURCE ROOM 173

GYM STORAGE 172

CUSTODIAN OFFICE 174

SANITARY PIPE. REFER TO MECH. DWGS.

GYMNASIUM 155

EP & M6 SURROUND

FOLDING PARTITION 991

STAGE 157

STAIR E 158

STOR 159

ELEVATOR 156

STAIR A 112

FOYER 111

SEMINAR ROOM 161

STAFF WR (BF) 163

LAN 1162

STAFF WORK ROOM 110

GUIDANCE 106

HEALTH 107

HEALTH WASHROOM 109

OSR 108

VP OFFICE 105

VP OFFICE 104

PRINCIPAL OFFICE 103

GENERAL OFFICE 102

STUDENT FORUM 116

LEARNING COMMONS 115

CLASSROOM 117

CLASSROOM 123

SPECIAL EDUCATION 124

VOCAL MUSIC CLASSROOM 122

INSTRUMENTAL MUSIC CLASSROOM 119

PRACTICE ROOM 121

PRACTICE ROOM 120

31 COAT RACK & HOOKS

WOOD FRAMED PLUMBING MILLWORK CHASE TO SUIT PIPING WITH 16mm MELAMINE AND PLAM FINISH

REF. MECH DWGS. FOR FITTING TO CONTINUE HEATER AROUND COLUMN AT CORNER WINDOW. TYP. BOTH FLOORS

CONVEX MIRROR. REF. SPECS

DISPLAY MILLWORK - AD648

DEFIBRILLATOR (AED) AND FLAG STYLE SIGN ABOVE. SUPPLIED BY OWNER AND INSTALLED SURFACE MOUNTED BY CONTRACTOR. GC TO PROVIDE ALL FASTENING FOR INSTALLATION OF THE DEFIBRILLATOR AND SIGN AS REQUIRED BY MANUFACTURER GUIDELINES.

DISHWASHER (SUPPLIED BY OWNER) TO BE INSTALLED BY GC UNDER THIS CONTRACT IN ENTIRETY INCLUDING M&E CONNECTIONS AND BOLTING DOWN TO FLOOR AND INSTALLATION OF MILLWORK FILLER PANELS. TYP. FOR ALL DISHWASHERS IN PROJECT.

PROVIDE GAP BETWEEN CABINETS UNDER COUNTERTOP TO ACCOMODATE ELEC ROUGH-INS AT FLOOR

REFER TO ELEC. DWGS FOR CANOPY LIGHTING TYP.

OPENING 2200 HIGH. LINTEL AND BLOCK WALL ABOVE. REF. STRUCT. DWGS.

DATE STONE & TIME CAPSULE VOID. REF. A0413A&B

FIRE DEPT CONNECTION. REF. MECH.

STEEL COLUMN. REF. STRUCT. DWGS FOR BURIED BASE PLATE AND FOUNDATION WITH CORROSION RING PAINT FINISH. PROVIDE ADDITIONAL COLUMN PROTECTION FROM GRADE TO 400mm ABOVE. REF. SPECS (TYP FOR ALL EXT. COLUMNS)

COORD. EXACT LOCATION OF CAB OPENING WITH ELEVATOR SHOP DRAWINGS

REF. SITE PLAN FOR EXTENT OF PLAY AREA FENCING

2 SEPARATE 2HR RATED GAS PIPE SHAFTS. 1 SHAFT @ 250X250 FROM GROUND TO ROOF FOR EMERG. GENERATOR AND 1 SHAFT @ 250X300 FOR NON-EMERGENCY. REFER TO MECH. DWGS.

GAS METER & CAGE. REFER TO SPECS AND AD255

240 BLK CHANGES TO 190 BLK. BULLNOSE AT TRANSITION

1400mm HIGH BLOCK WALL. DOUBLE BULLNOSE TOP TYP. AT ALL KINDERGARTEN CLASSROOMS (AS SHOWN IN GREY TONE)

140mm BLOCK WALL AT CORNER

TRUE NORTH

PROJECT NORTH

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
CR+S	COAT RACK AND SHELF
CS	CONVENIENCE SHELF
C/W	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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NOTE:
- ANY SOAP DISPENSER SHOWN ARE FOR REFERENCE PURPOSES ONLY. SOAP DISPENSER TO BE SUPPLIED AND INSTALLED BY OWNER. REFER TO SPECS.

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JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053

Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

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CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
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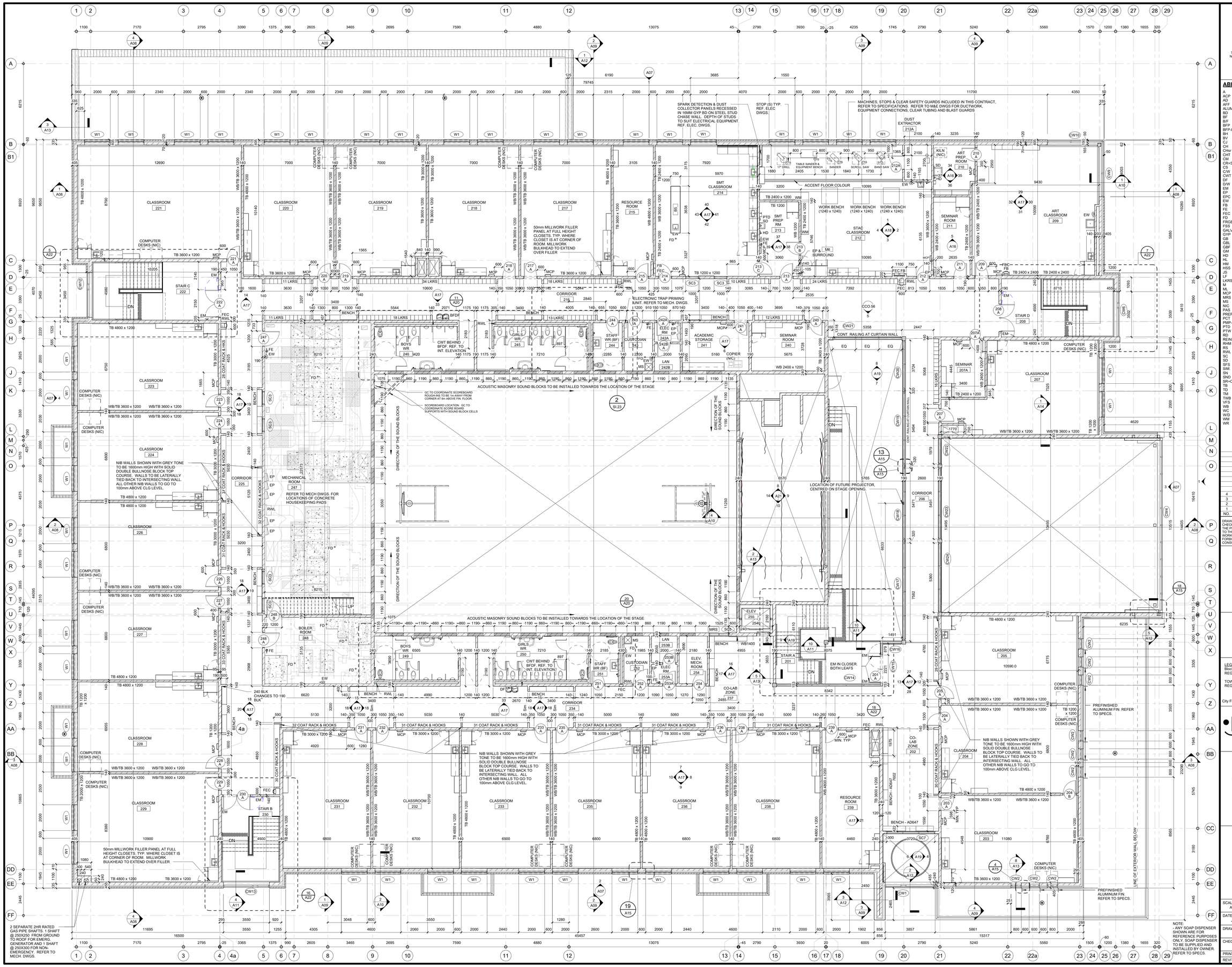
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peel District School Board
5650 HURONTARIO STREET
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GROUND FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3Y8
(905) 815-8284 admin@hossackarch.com

SCALE	As indicated
DATE	JUNE 2026
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TRUE NORTH

PROJECT NORTH

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BD	BOARD
BF	BOTTLE FILLER
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFP-L	BARRIER FREE PUSH BUTTON LOCK
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VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

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LEGAL DESCRIPTION
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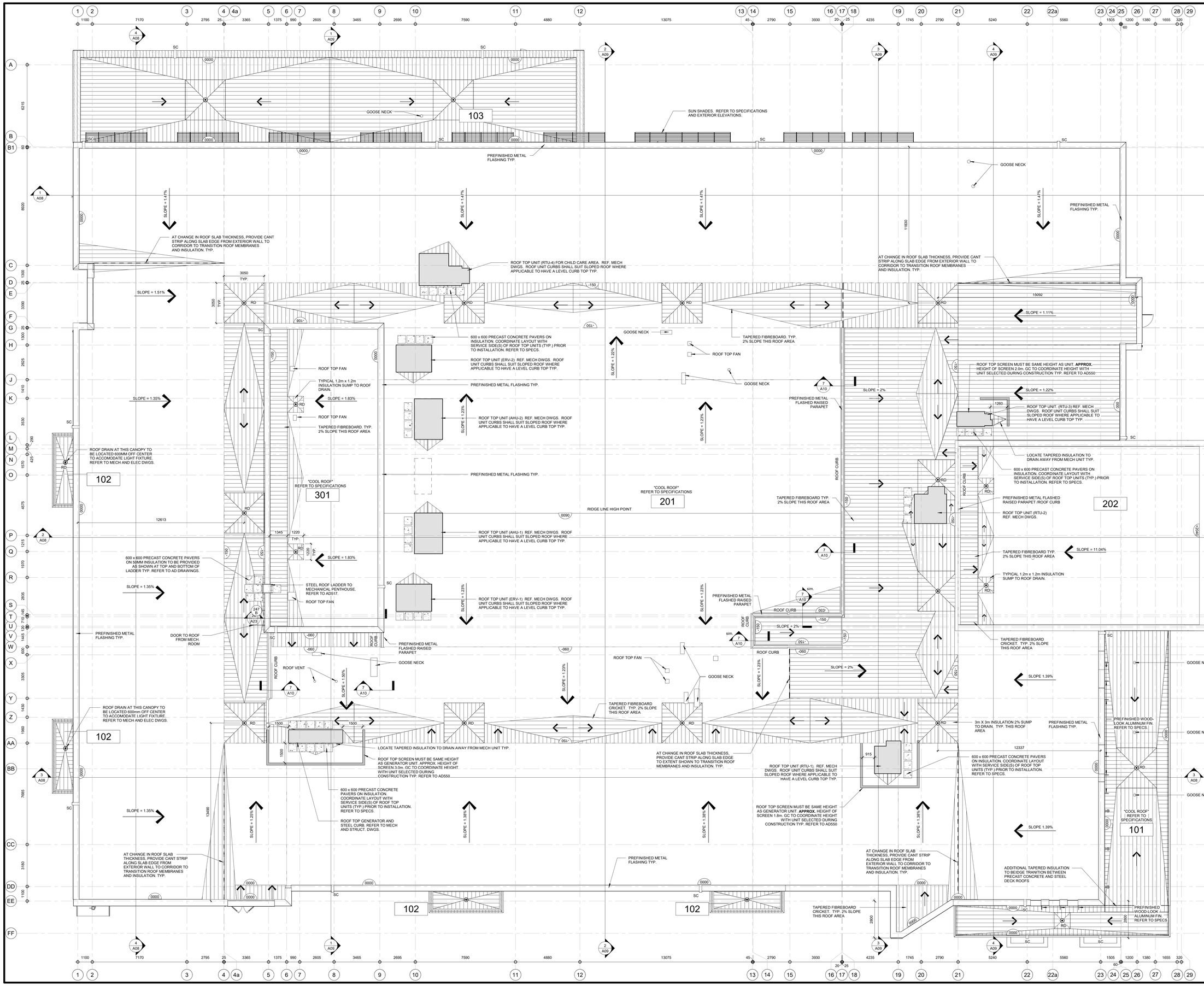
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SECOND FLOOR PLAN

HOSSACK ARCHITECTURE
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(905) 815-8284 admin@hossackarch.com

SCALE	As indicated
PROJECT	24112
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TRUE NORTH

PROJECT NORTH

ROOF PLAN LEGEND

- INSULATION SUMP TAPERED TO DRAIN. REFER TO SPECIFICATIONS FOR MATERIALS. REFER TO A03 ROOF PLAN FOR SIZE AND LOCATION
- TAPERED FIBRE BOARD CRICKET TO DRAIN
- ROOF DRAIN
- DIRECTION OF SLOPE
- 101 — ROOF # INDICATOR
- R2 — ROOF CONSTRUCTION TYPE INDICATOR. REFER TO SPECIFICATIONS FOR ASSEMBLY DETAILS AND MATERIALS
- SC — SCUPPER 220MM L X 100MM H REF. DETAIL 1/A13
- -150 — ROOF SLOPE INDICATOR

NOTES:

ROOF SLOPES TO BE TYPICAL 1% MINIMUM. REFER TO STRUCTURAL DRAWINGS

REFER TO MECHANICAL DRAWINGS FOR VENT LOCATIONS, TYPES AND SIZES

ENSURE SCUPPERS ARE NOT CONSTRUCTED DIRECTLY ABOVE WINDOWS TYP. REFER TO A07 ELEVATIONS

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ONTARIO ASSOCIATION OF ARCHITECTS — JUNE 22/26 — PRISCILLA LADOUCEUR — LICENCE 9263

Certificate of Practice # 4292

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Block. 261,
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TOWN OF CALEDON
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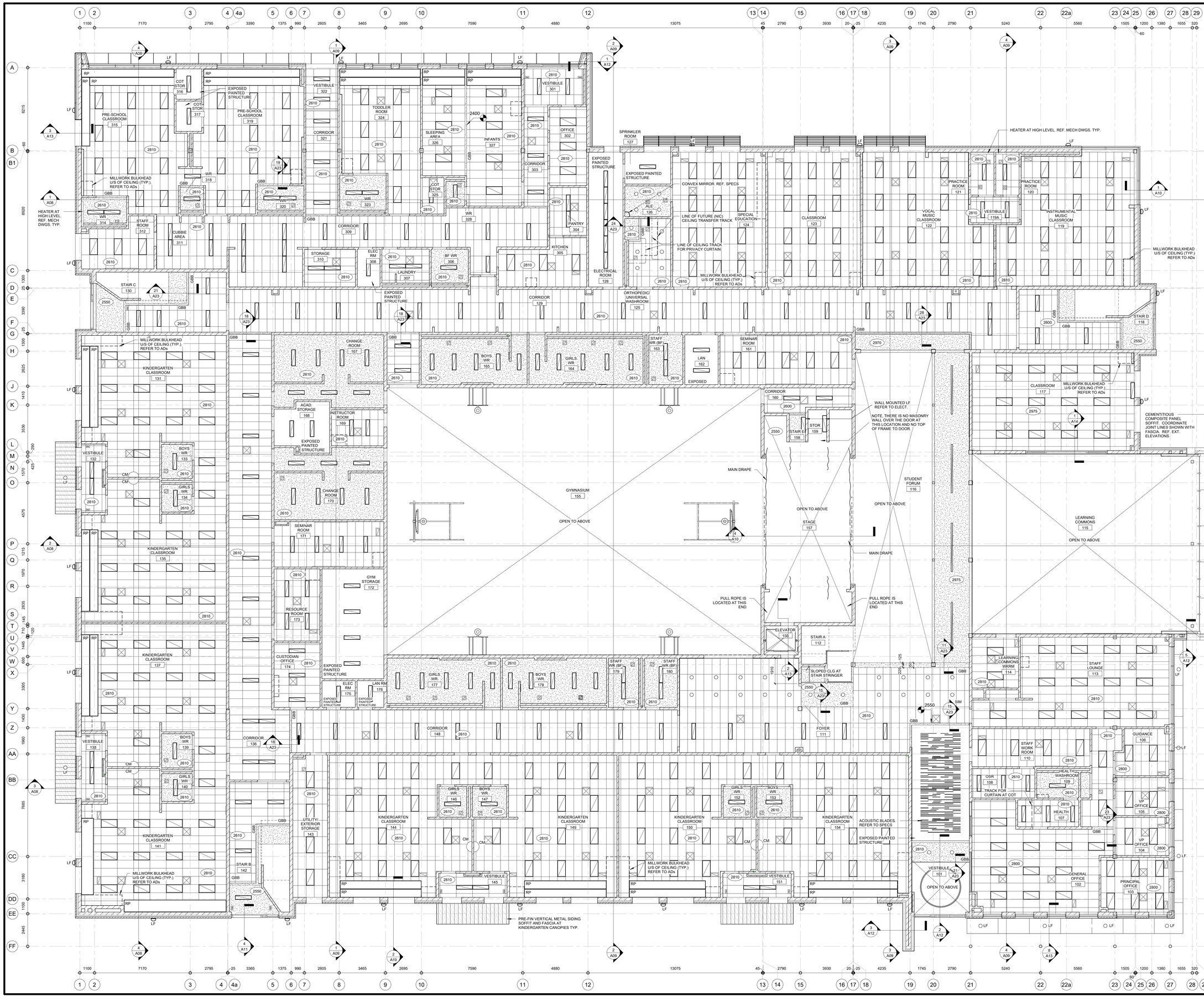
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ROOF PLAN

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

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DRAWN Author	
CHECKED Checker	
PRINT DATE	6/22/2026 12:28:30 PM
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TRUE NORTH

PROJECT NORTH

RCP LEGEND

- LIGHT FIXTURE REFER TO LIGHTING PLANS/LIGHTING SCHEDULES 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
- LIGHT FIXTURE. FOR TYPE AND MOUNTING SEE ELEC. DWGS
- LIGHT FIXTURE. FOR TYPE AND MOUNTING SEE ELEC. DWGS
- #### CEILING HEIGHT FROM FINISHED FLOOR
- BV BRICK VENT
- LF LIGHT FIXTURE
- GB GYPSUM BOARD

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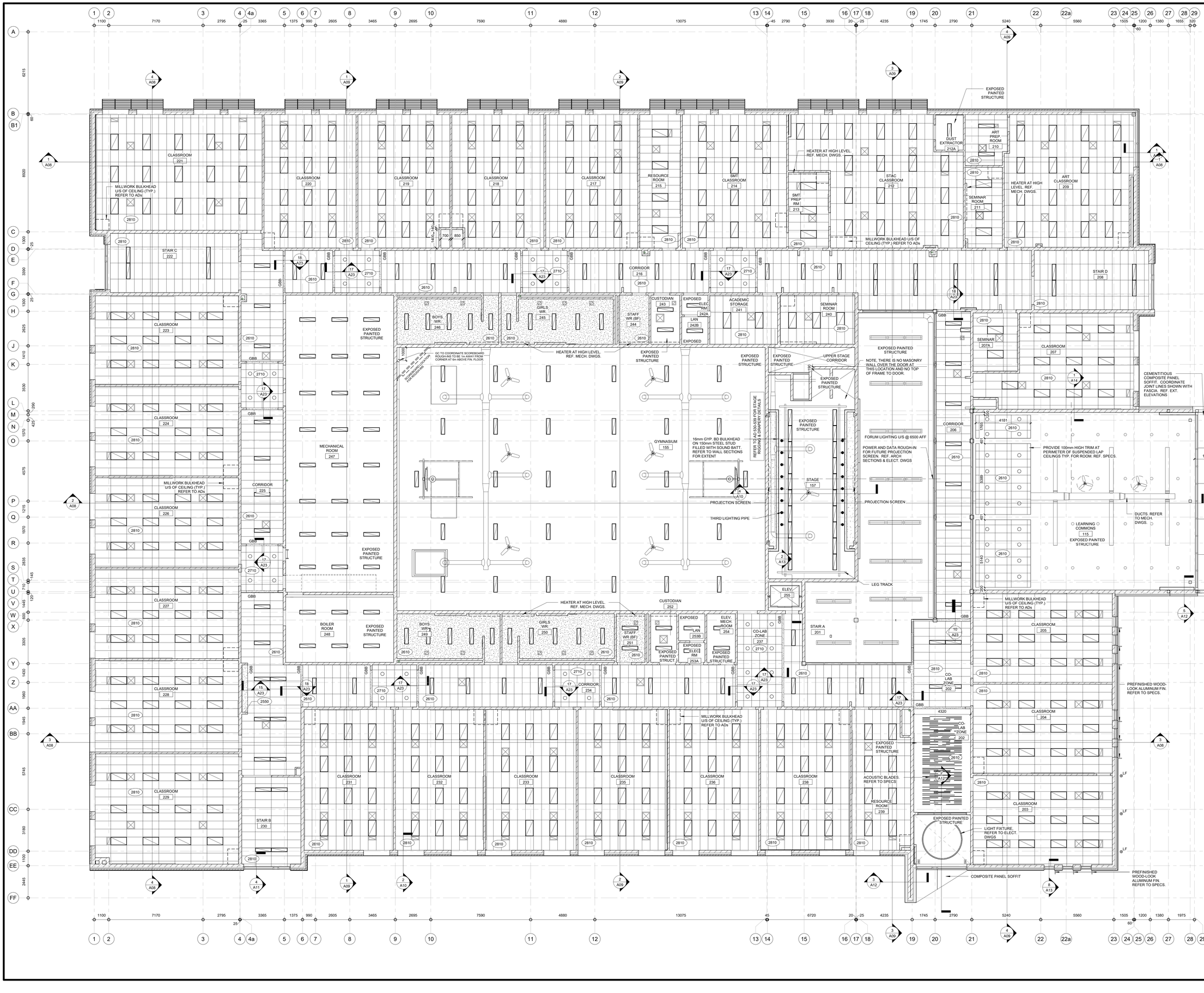
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105 - 1939 IRONOAK WAY
OAKVILLE, ON L6H 3V4
(905) 815-5280 admin@hossackarch.com

GROUND FLOOR REFLECTED CEILING PLAN

SCALE	1 : 100
PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
CHECKED	Checker
DRAWING	A05
PRINT DATE	6/22/2026 12:34:54 PM
REVIT FILE	T:\2019\19114\02\Revit.RVT



TRUE NORTH

PROJECT NORTH

RCP LEGEND

- LIGHT FIXTURE REFER TO LIGHTING PLANS/LIGHTING SCHEDULES 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
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELEC. DWGS
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELEC. DWGS
- #### CEILING HEIGHT FROM FINISHED FLOOR
- BV BRICK VENT
- LF LIGHT FIXTURE
- GB GYPSUM BOARD

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 8053

Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

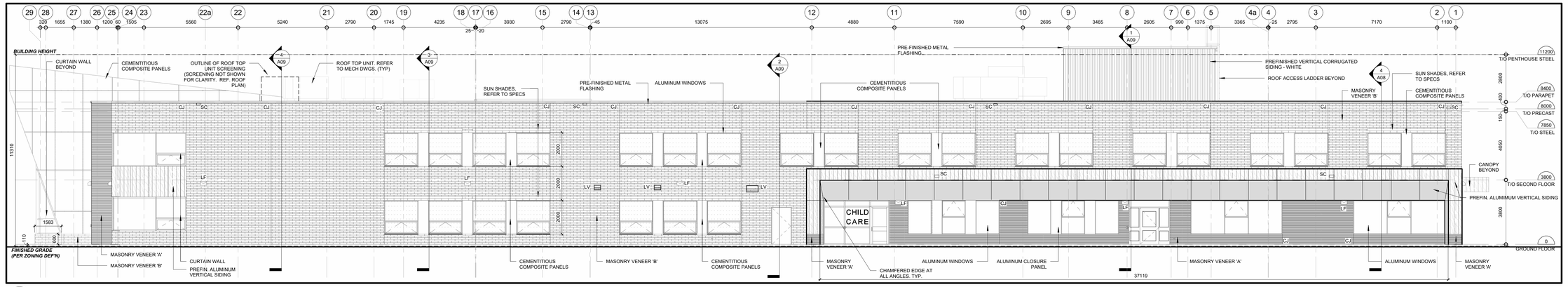
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

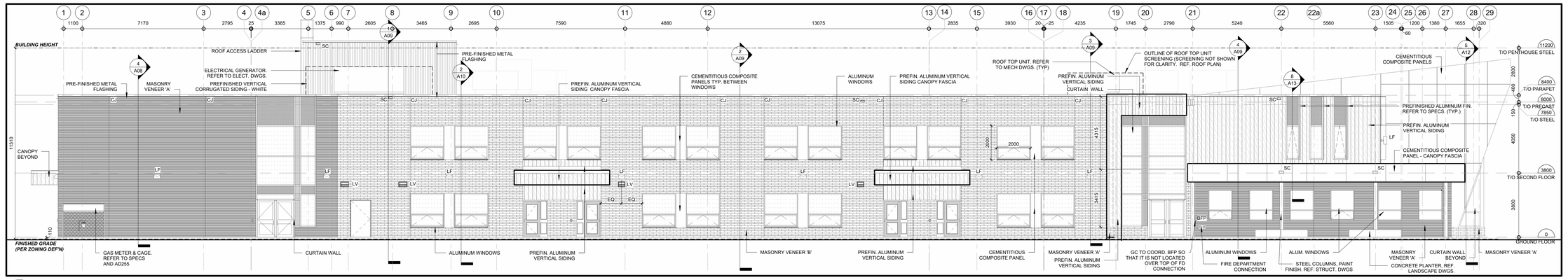
HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 819-6284 admin@hossackarch.com

SECOND FLOOR REFLECTED CEILING PLAN

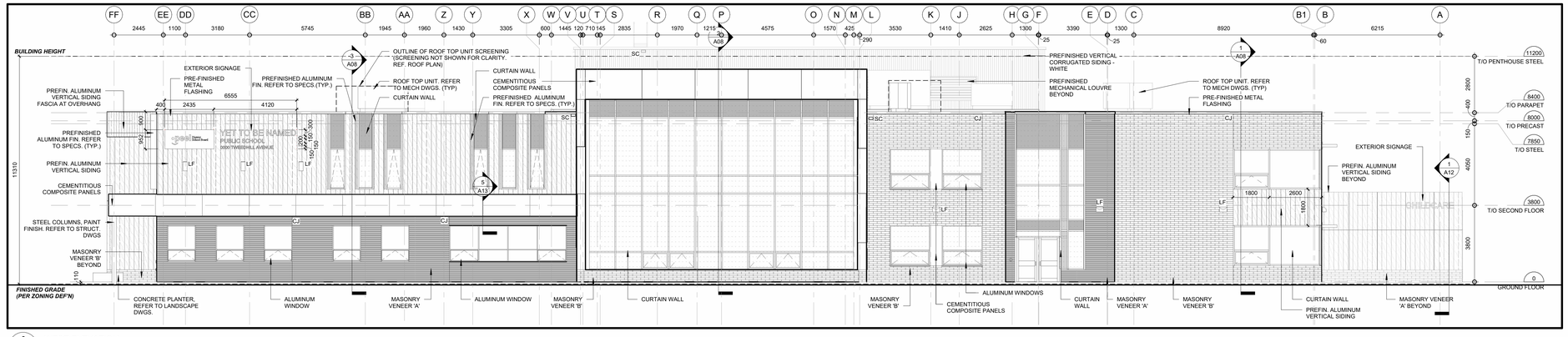
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PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
CHECKED	Checker
DRAWING	A06
PRINT DATE	6/22/2026 10:28:08 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT



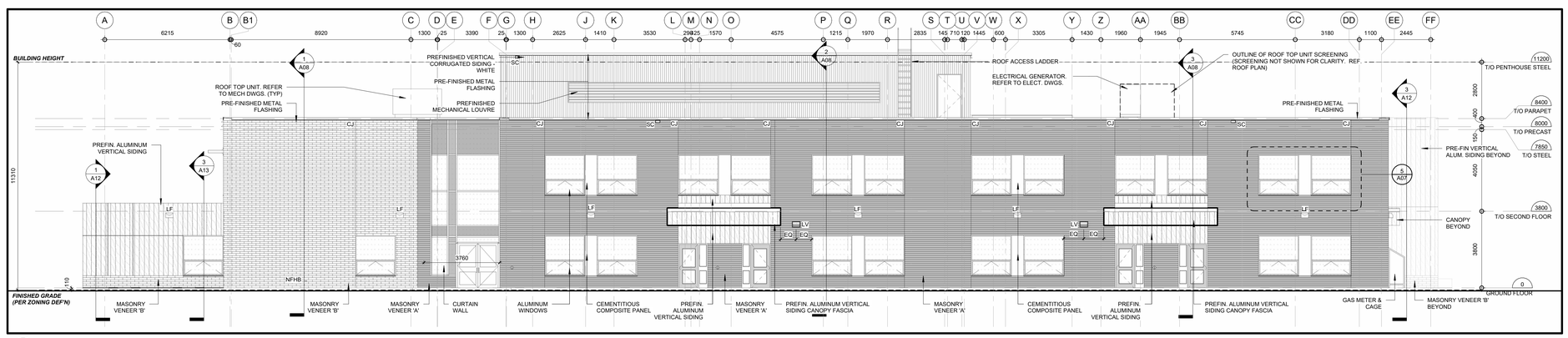
1 / A07 *SOUTH ELEVATION*
SCALE: 1 : 100



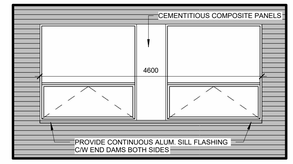
2 / A07 *NORTH ELEVATION*
SCALE: 1 : 100



3 / A07 *WEST ELEVATION*
SCALE: 1 : 100



4 / A07 *EAST ELEVATION*
SCALE: 1 : 100



5 / A07 *TYPICAL WINDOW ELEVATION*
SCALE: 1 : 50

MATERIAL LEGEND

- MASONRY VENEER 'A' - DARK GREY
- MASONRY VENEER 'B' - LIGHT GREY-WHITE
- PREFINISHED ALUMINUM SIDING - WOOD LOOK
- CEMENTITIOUS COMPOSITE PANEL - LIGHT GREY
- BIRD FRIENDLY GLAZING
- MULLIONS (CURTAIN WALL & WINDOWS) - CLEAR ANODIZED
- SPANDREL PANEL - COLOUR VARIES. REF. CURTAIN WALL SCHEDULE

ABBREVIATION LEGEND

BV - BRICK VENT **
CJ - CONTROL JOINT
CCP - CEMENTITIOUS COMPOSITE PANEL
FS - FIRE STOPPING
LF - LIGHT FIXTURE **
LV - MECHANICAL LOUVRE **
SC1, SC2 - THROUGH WALL SCUPPER **
SP - SPANDREL PANEL

NOTES:

*WHERE LIGHT FIXTURES ARE MOUNTED ON ALUMINUM CLOSURE PIECES BY WINDOW SUPPLIER, PROVIDE SOLID MOUNTING SURFACE FOR INSTALLATION OF EXTERIOR MOUNTED LIGHT FIXTURES. COORDINATE INSTALLATION WITH DIV. 16.

** REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE WITH DIVISIONS 15 & 16

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	6/19/26
3	ISSUED FOR BLDG PERMIT	10/15/25
2	ISSUED FOR SPA RESUBMISSION	8/25/25
1	ISSUED FOR SPA	3/17/25

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

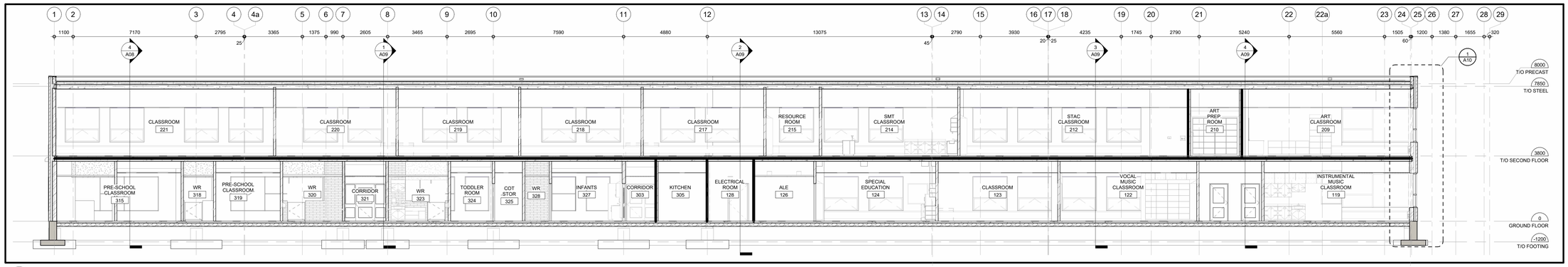
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

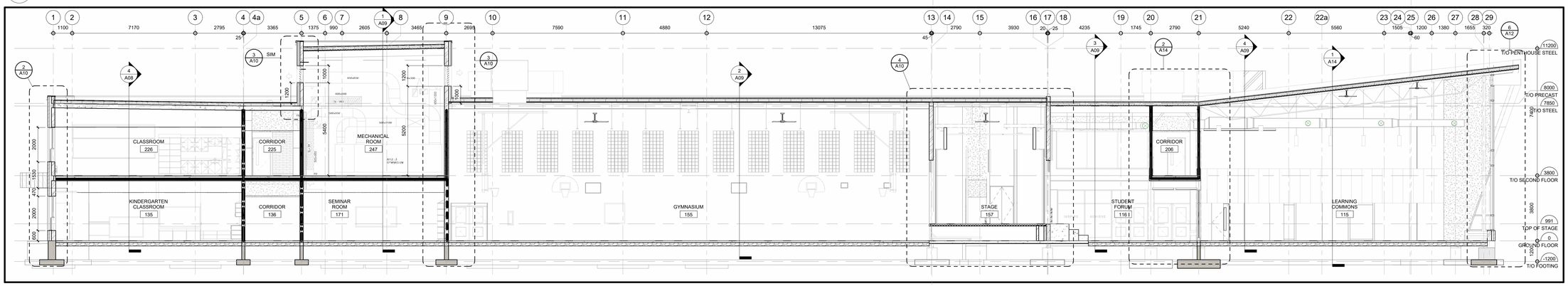
EXTERIOR ELEVATIONS

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

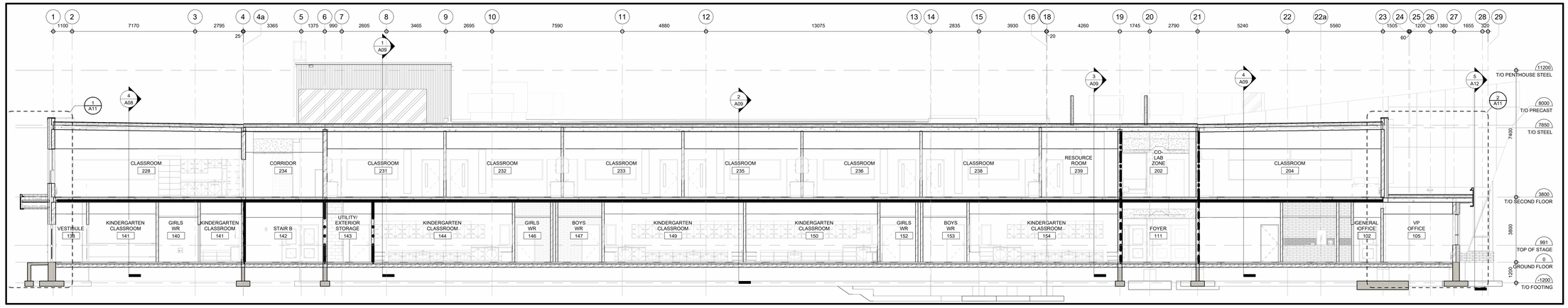
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DATE: JUNE 2026	
DRAWN: BM	DRAWING: A07
CHECKED: PL	
PRINT DATE	6/22/2026 10:28:20 AM
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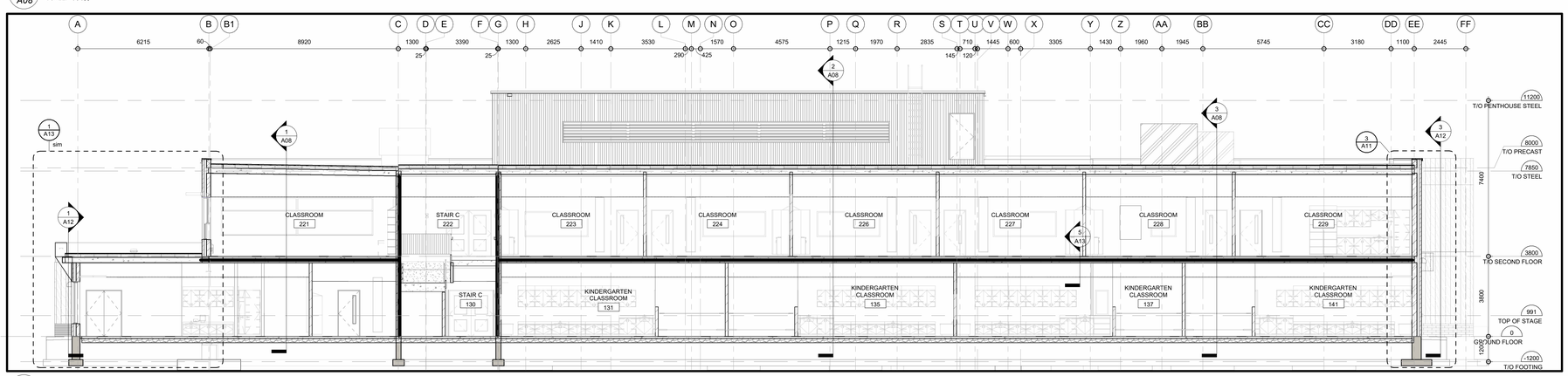
1 A08 *BUILDING SECTION 1*
SCALE: 1 : 100



2 A08 *BUILDING SECTION 2*
SCALE: 1 : 100



3 A08 *BUILDING SECTION 3*
SCALE: 1 : 100



4 A08 *BUILDING SECTION 4*
SCALE: 1 : 100

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Certificate of Practice # 4292

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CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

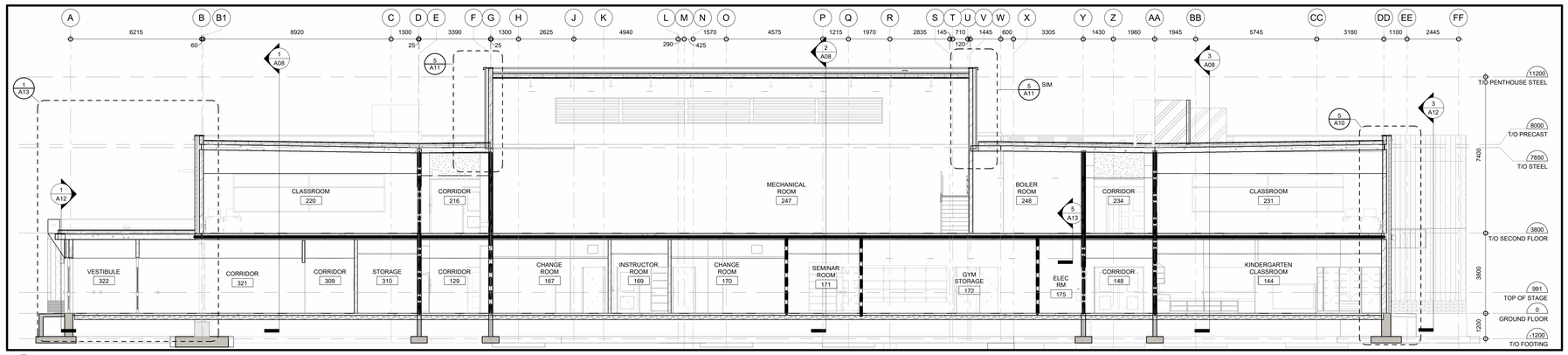
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

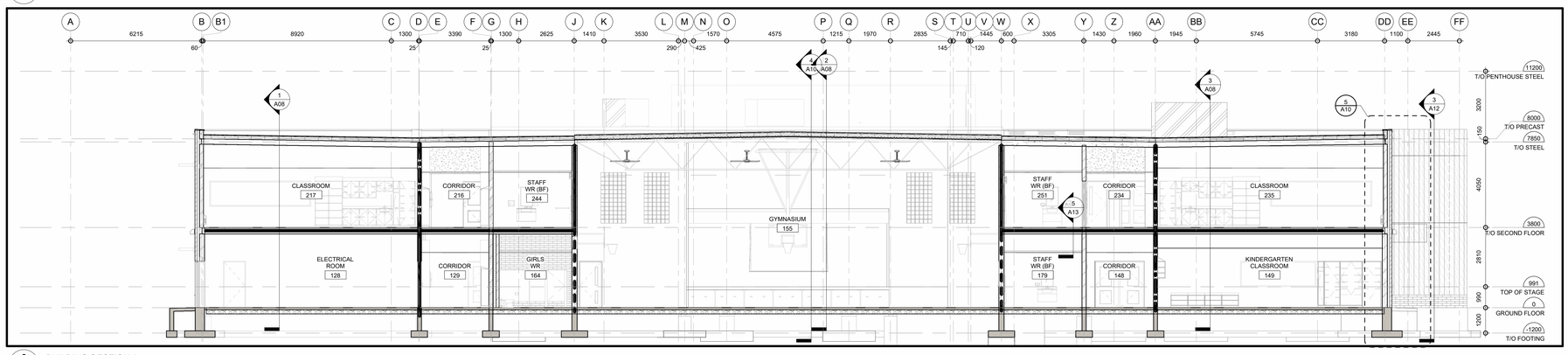
BUILDING SECTIONS 1

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

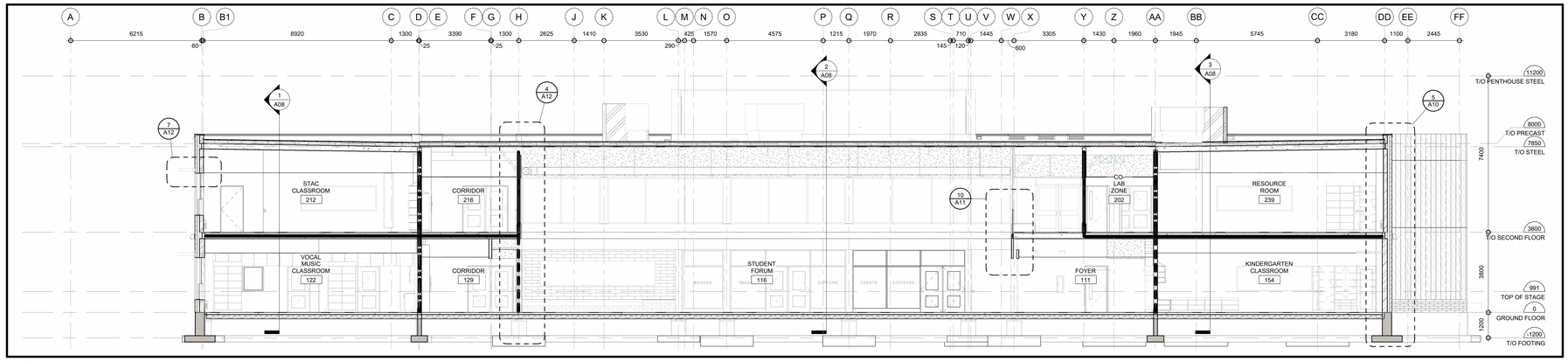
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DRAWN Author	DRAWING A08
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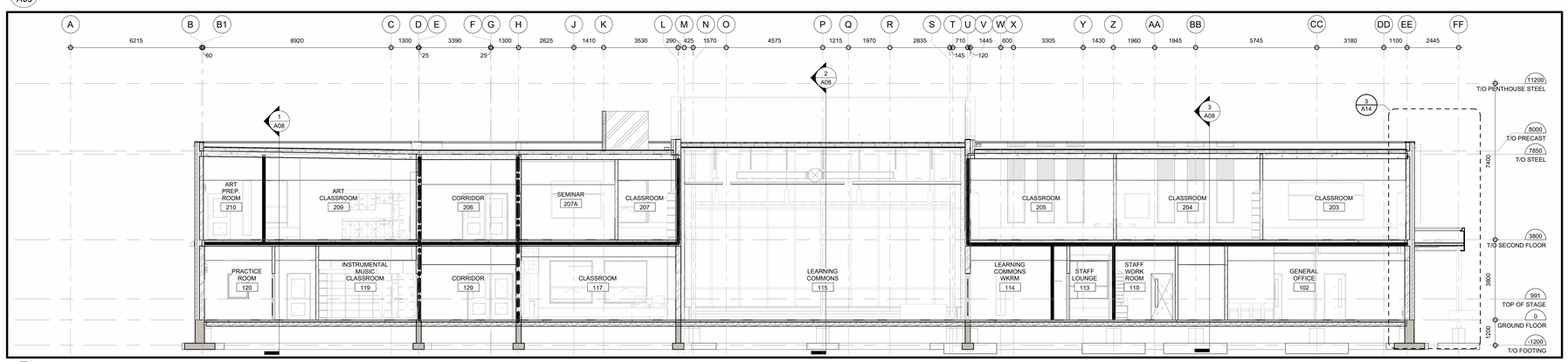
1 A09 *BUILDING SECTION 5*
SCALE: 1 : 100



2 A09 *BUILDING SECTION 6*
SCALE: 1 : 100



3 A09 *BUILDING SECTION 7*
SCALE: 1 : 100



4 A09 *BUILDING SECTION 8*
SCALE: 1 : 100

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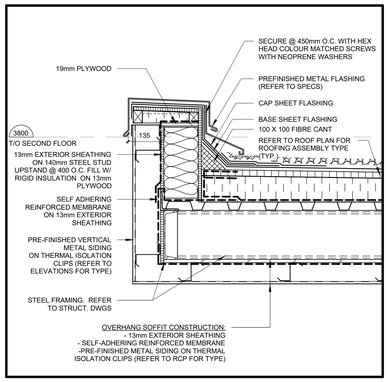
City File # SPA 2025-0025

peel District School Board
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MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

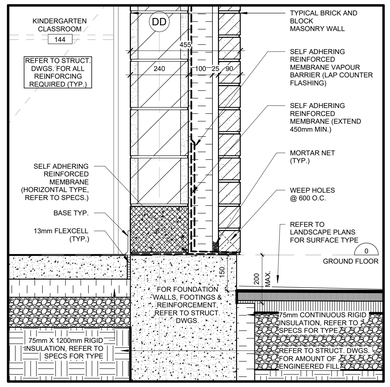
BUILDING SECTIONS 2

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 819-8284 admin@hossackarch.com

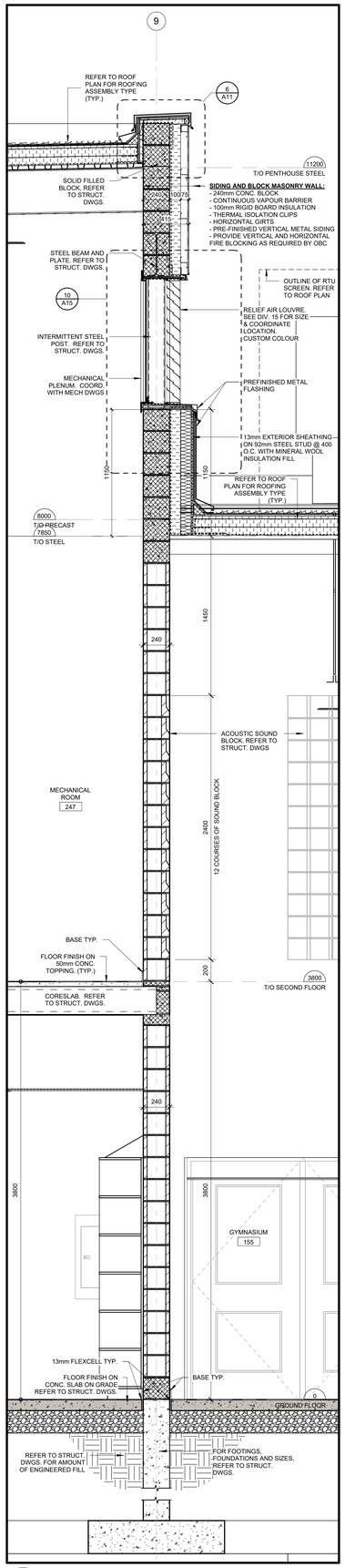
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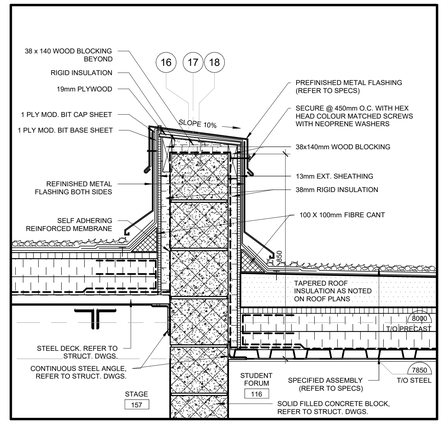
9 / A10 *PARAPET DETAIL AT KINDERGARTEN CANOPY*
SCALE: 1 : 10



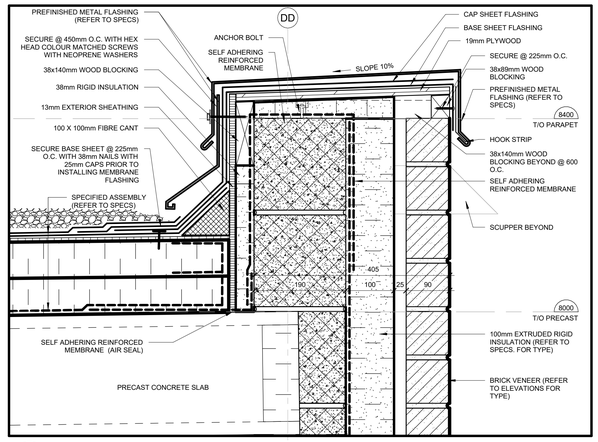
6 / A10 *SECTION DETAIL @ TYP. FOUNDATION*
SCALE: 1 : 10



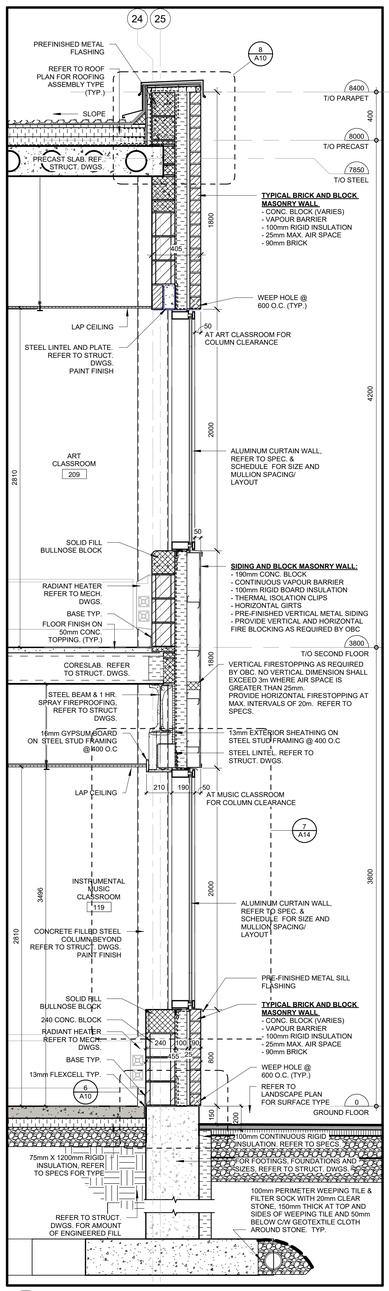
3 / A10 *WALL SECTION @ MECHANICAL LOUVRE*
SCALE: 1 : 20



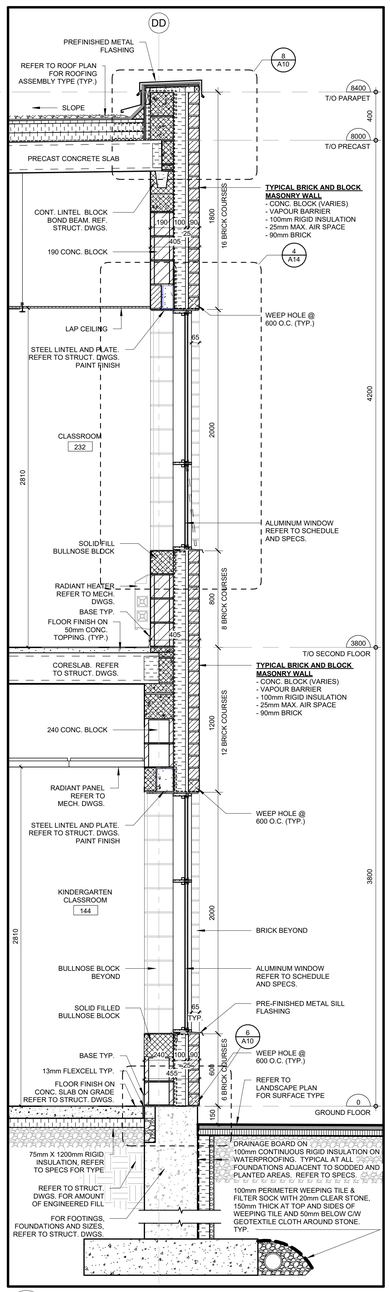
7 / A10 *PARAPET CURB SECTION DETAIL AT MASONRY WALL*
SCALE: 1 : 10



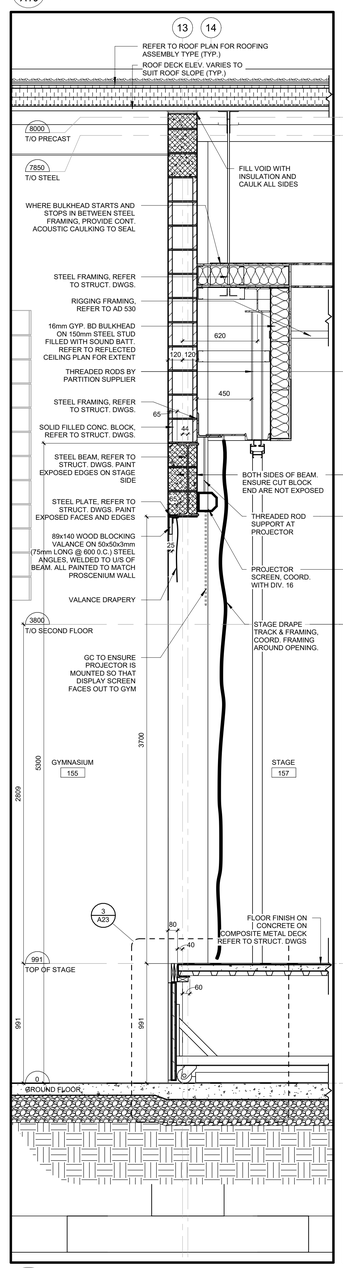
8 / A10 *SECTION DETAIL @ TYPICAL PARAPET*
SCALE: 1 : 5



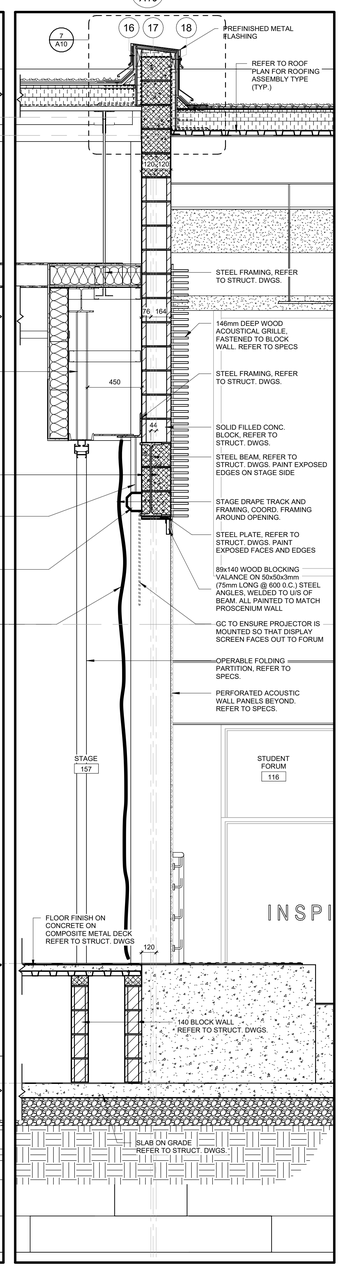
1 / A10 *WALL SECTION @ ART ROOM CURTAIN WALL*
SCALE: 1 : 20



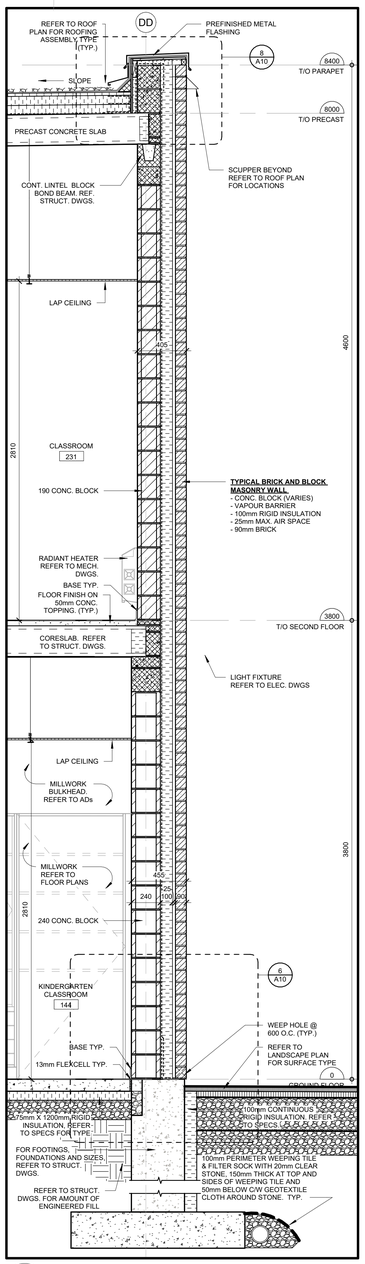
2 / A10 *WALL SECTION @ WINDOWS & SHADES*
SCALE: 1 : 20



4 / A10 *WALL SECTION THROUGH STAGE*
SCALE: 1 : 20



5 / A10 *WALL SECTION @ FULL HEIGHT BRICK*
SCALE: 1 : 20



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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE
6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

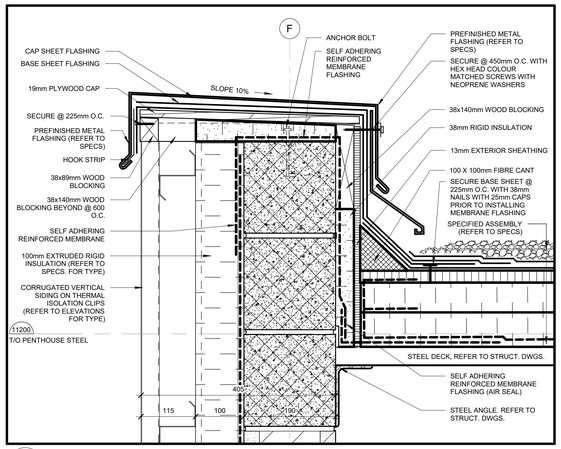
City File # SPA 2025-0025

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Tel (905) 890-1099 Fax (905) 890-9453

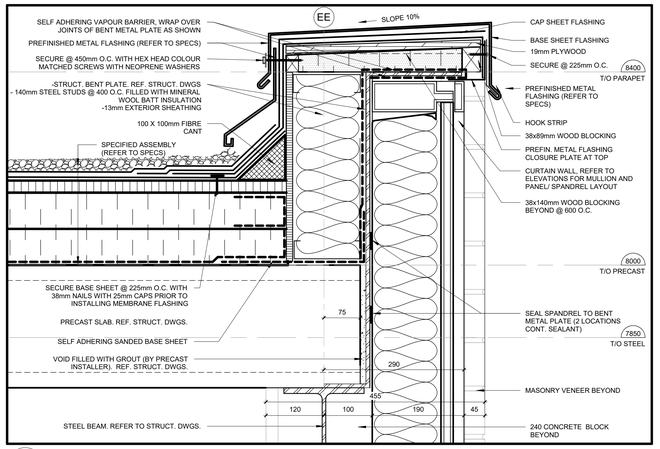
WALL SECTIONS AND DETAILS

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

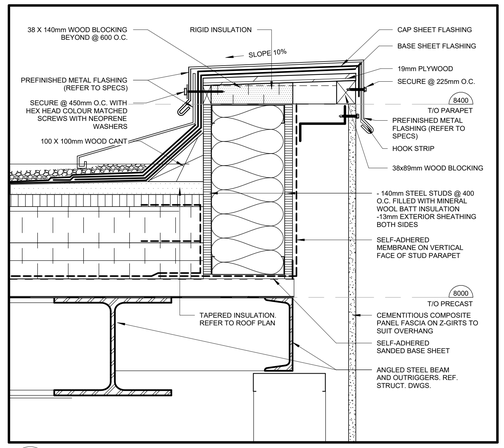
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PROJECT	24112
DATE	JUNE 2026
DRAWN	CC
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DRAWING	A10
PRINT DATE	6/22/2026 10:28:52 AM
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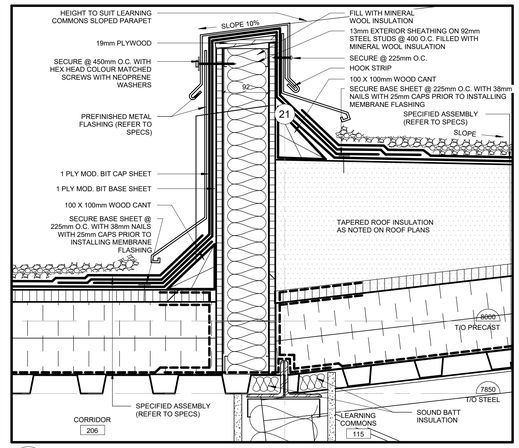
6 / A11 *SECTION PARAPET AT VERTICAL SIDING*
SCALE: 1 : 5



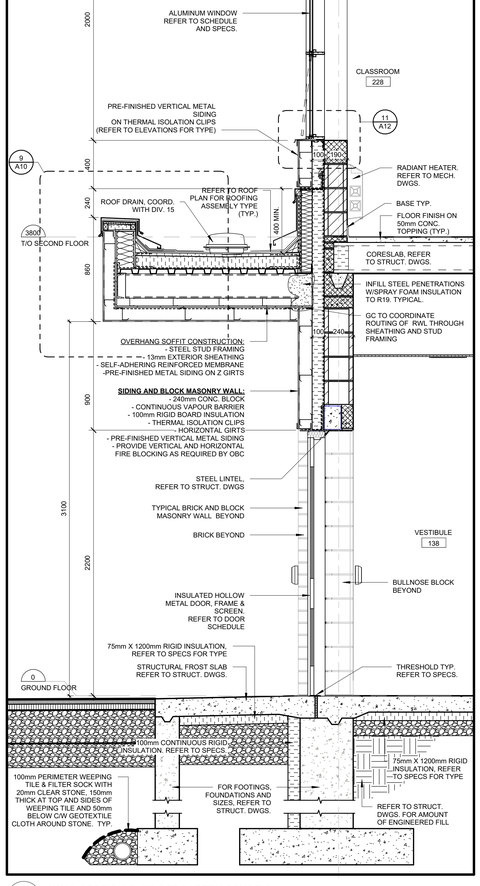
7 / A11 *SECTION PARAPET AT CURTAIN WALL - STUD & BENT PLATE BACKUP*
SCALE: 1 : 5



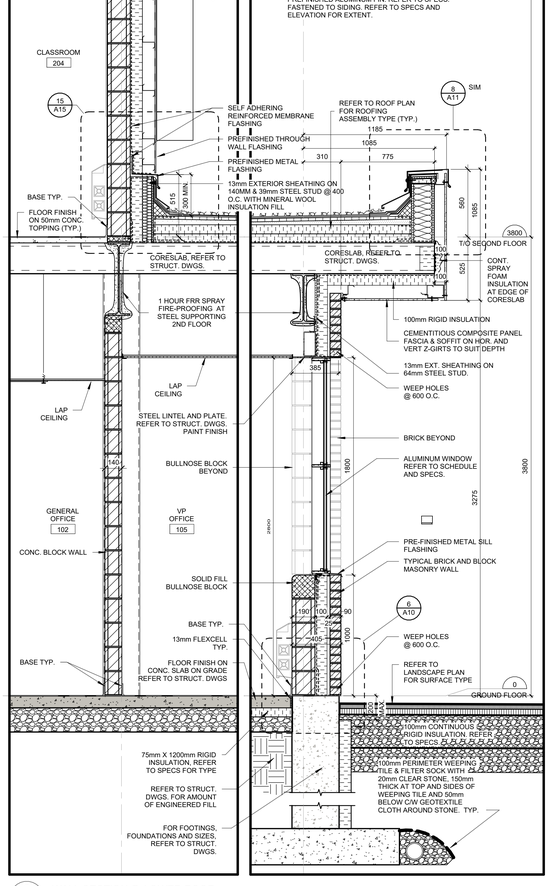
8 / A11 *PARAPET AT FRONT ENTRANCE OVERHANG*
SCALE: 1 : 5



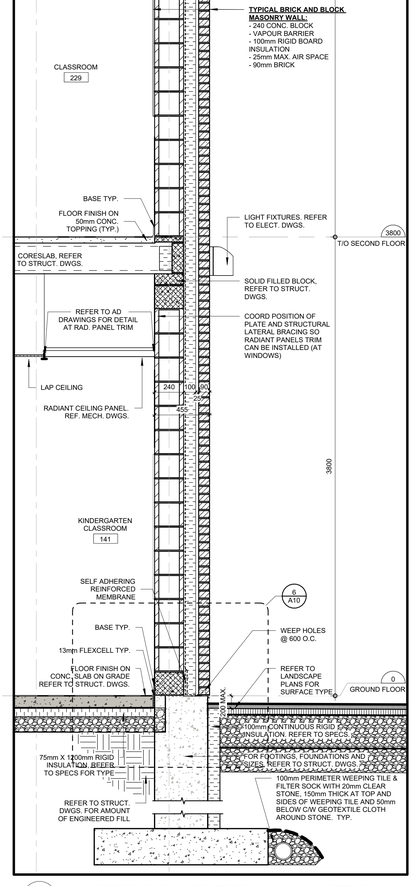
9 / A11 *ROOF CURB SECTION DETAIL AT LEARNING COMMONS*
SCALE: 1 : 5



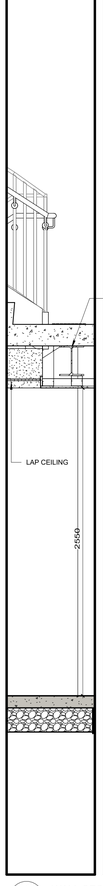
1 / A11 *WALL SECTION @ KINDERGARTEN CANOPY*
SCALE: 1 : 20



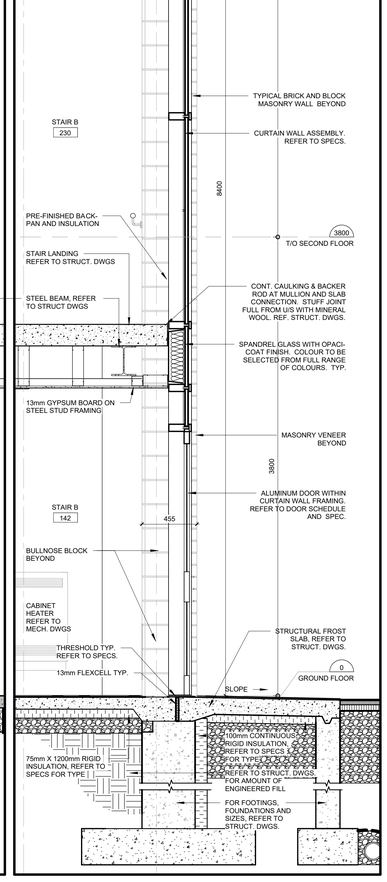
2 / A11 *WALL SECTION @ LOWER ROOF*
SCALE: 1 : 20

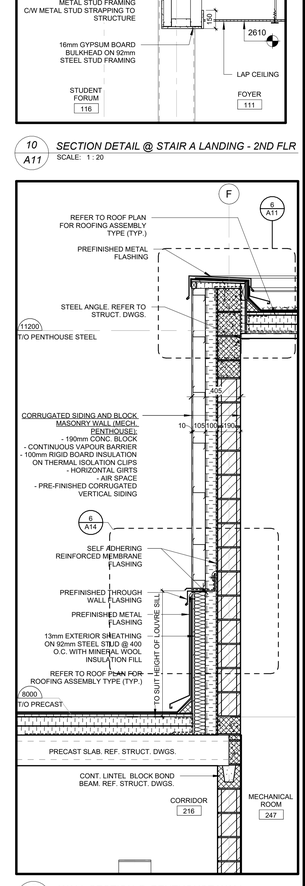


3 / A11 *WALL SECTION @ FULL HEIGHT BRICK ON 240 CONCRETE BLOCK*
SCALE: 1 : 20



4 / A11 *WALL SECTION @ CURTAIN WALL*
SCALE: 1 : 20





10 / A11 *SECTION DETAIL @ STAIR A LANDING - 2ND FLR*
SCALE: 1 : 20

5 / A11 *WALL SECTION @ PENTHOUSE WALL*
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL
29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

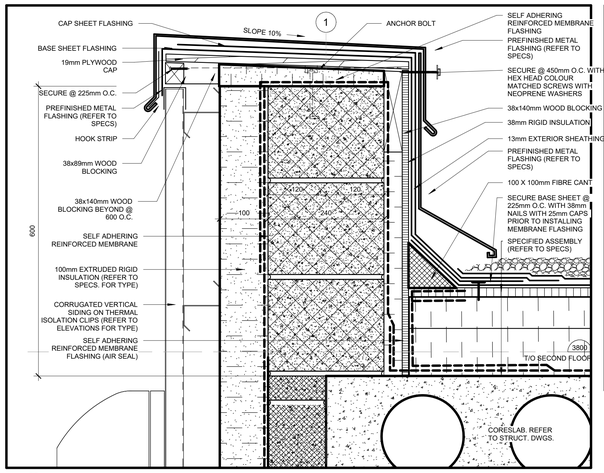
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

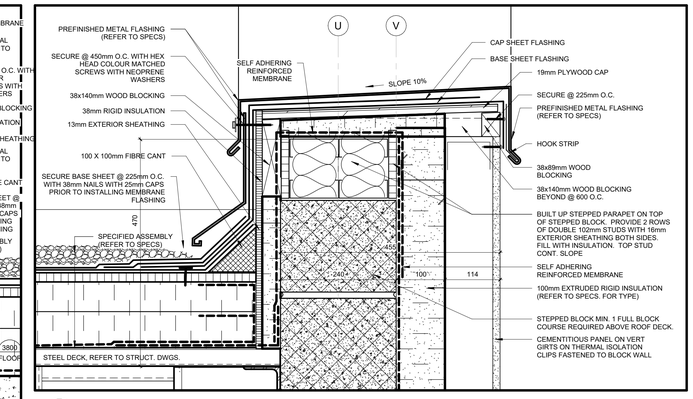
WALL SECTIONS AND DETAILS

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

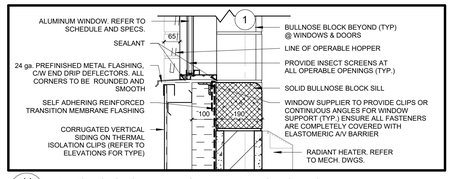
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PRINT DATE	6/22/2026 10:28:54 AM
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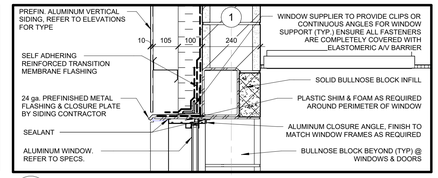
9 A12 *SECTION DETAIL @ CHILD CARE PARAPET*
SCALE: 1 : 5



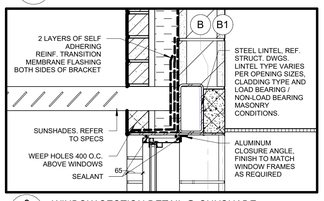
10 A12 *PARAPET DETAIL @ LEARNING COMMONS WALL*
SCALE: 1 : 5



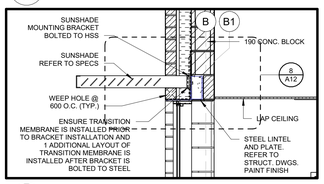
11 A12 *WINDOW SECTION DETAIL @ ALUM. VERTICAL SIDING*
SCALE: 1 : 10



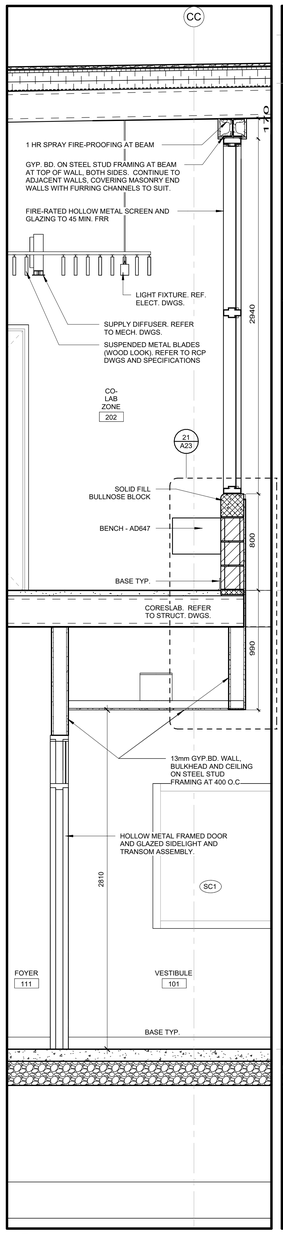
12 A12 *WINDOW SECTION DETAIL @ VERTICAL METAL SIDING*
SCALE: 1 : 10



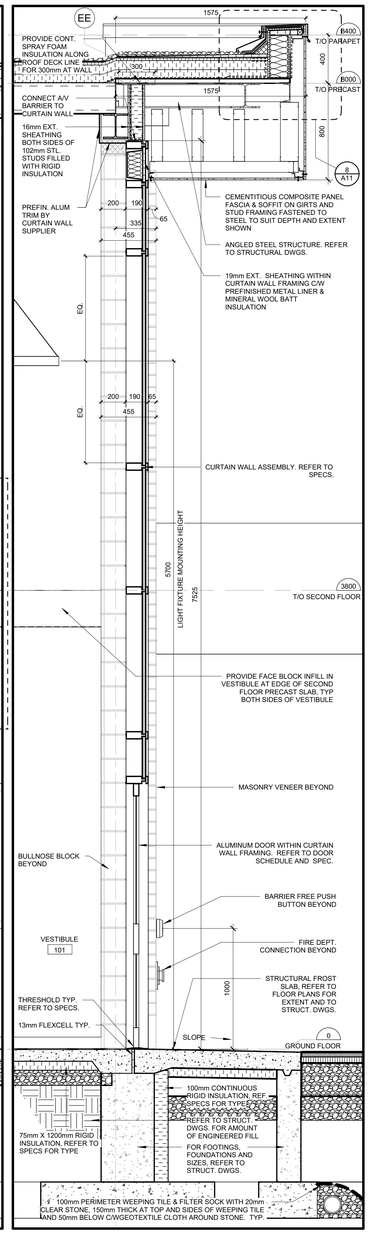
8 A12 *WINDOW SECTION DETAIL @ SUNSHADE*
SCALE: 1 : 10



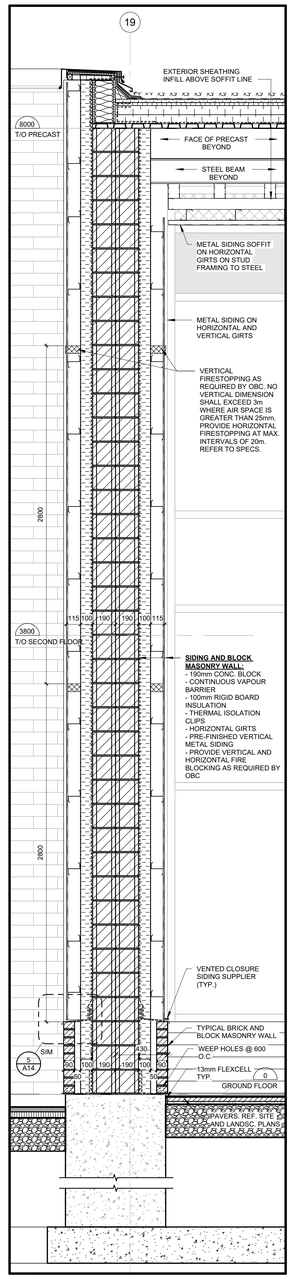
7 A12 *WALL SECTION @ SUNSHADE*
SCALE: 1 : 20



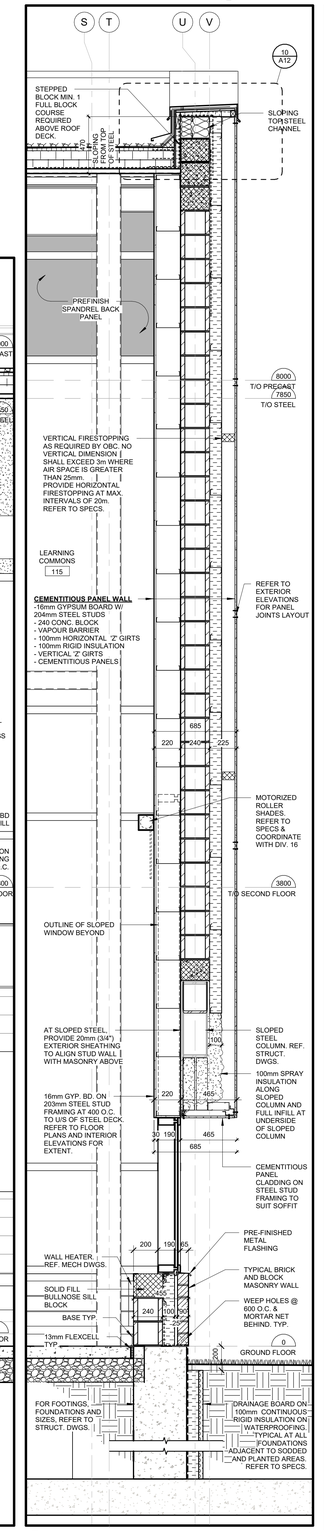
2 A12 *WALL SECTION @ MAIN ENTRANCE CANOPY*
SCALE: 1 : 20



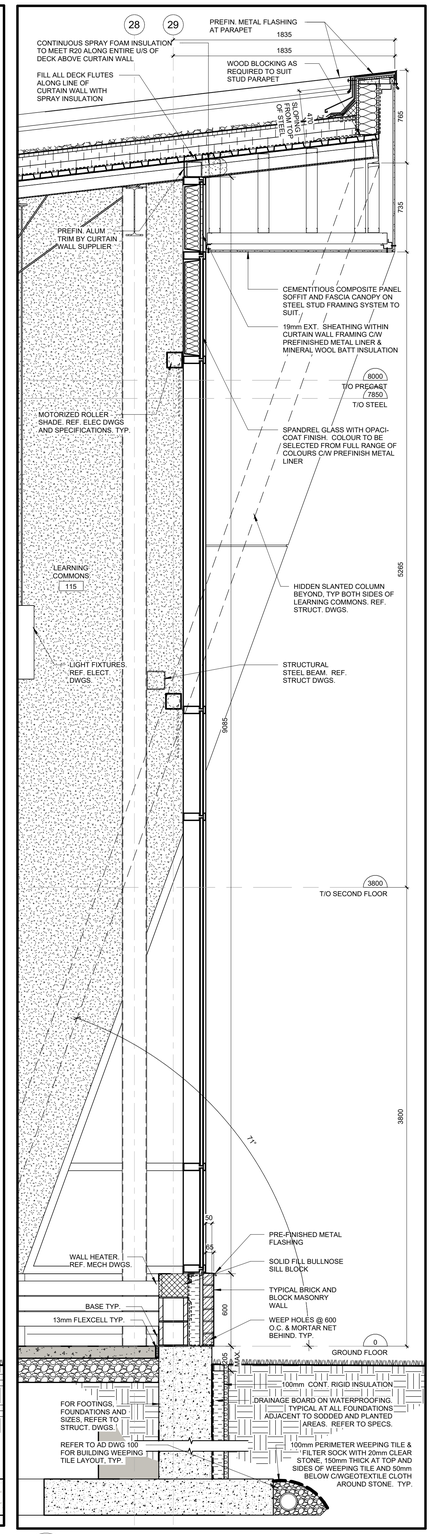
3 A12 *WALL SECTION @ MAIN ENTRANCE PIER*
SCALE: 1 : 20



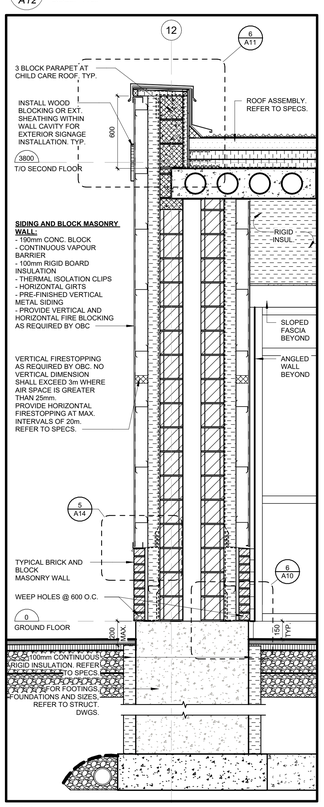
4 A12 *WALL SECTION @ STUDENT FORUM*
SCALE: 1 : 20



5 A12 *WALL SECTION @ LEARNING COMMONS SIDE WALL*
SCALE: 1 : 20



6 A12 *WALL SECTION @ LEARNING COMMONS CANOPY*
SCALE: 1 : 20



1 A12 *WALL SECTION @ CHILD CARE PIER*
SCALE: 1 : 20

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JUNE 22/26
PRISCILLA LADOUCEUR
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Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

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CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

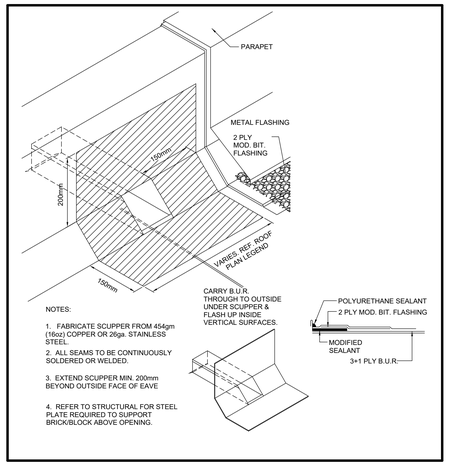
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C5
Tel (905) 890-1099 Fax (905) 890-9453

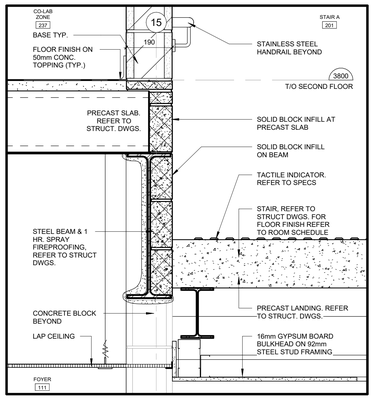
WALL SECTIONS AND DETAILS

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

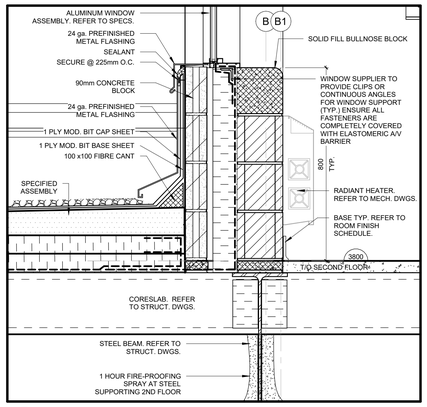
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PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
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PRINT DATE	6/22/2026 10:29:01 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT



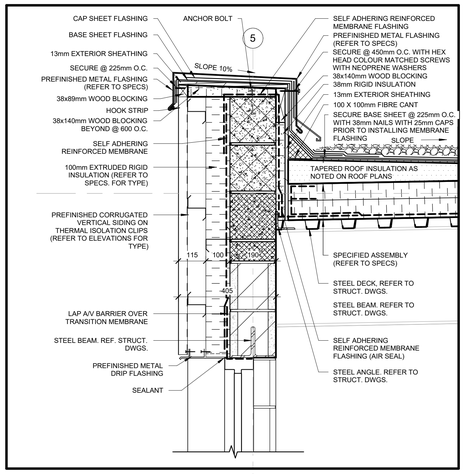
4 / A13 *OVERFLOW SCUPPER DETAIL*
SCALE: 1 : 7

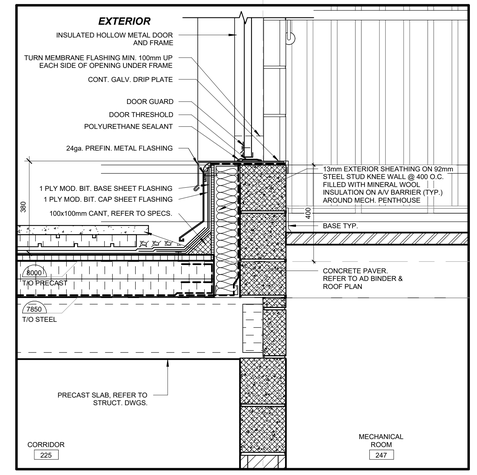


5 / A13 *SECTION DETAIL @ STAIR A LANDING*
SCALE: 1 : 10

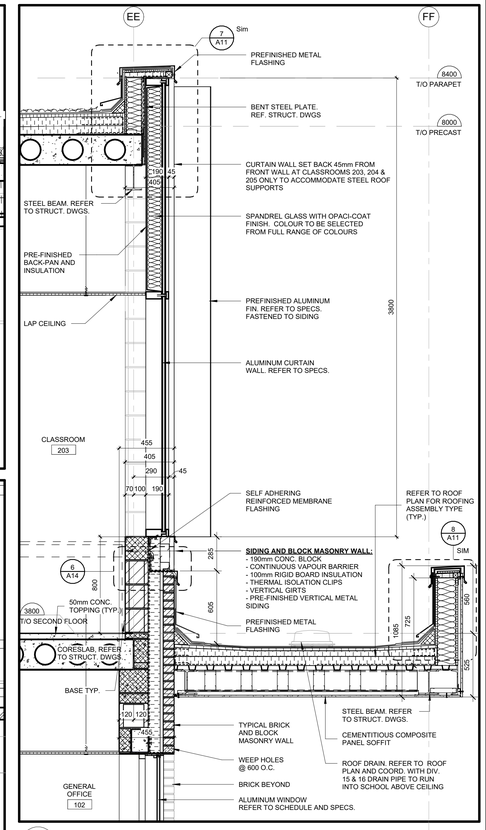


6 / A13 *WINDOW SILL @ LOW ROOF*
SCALE: 1 : 10

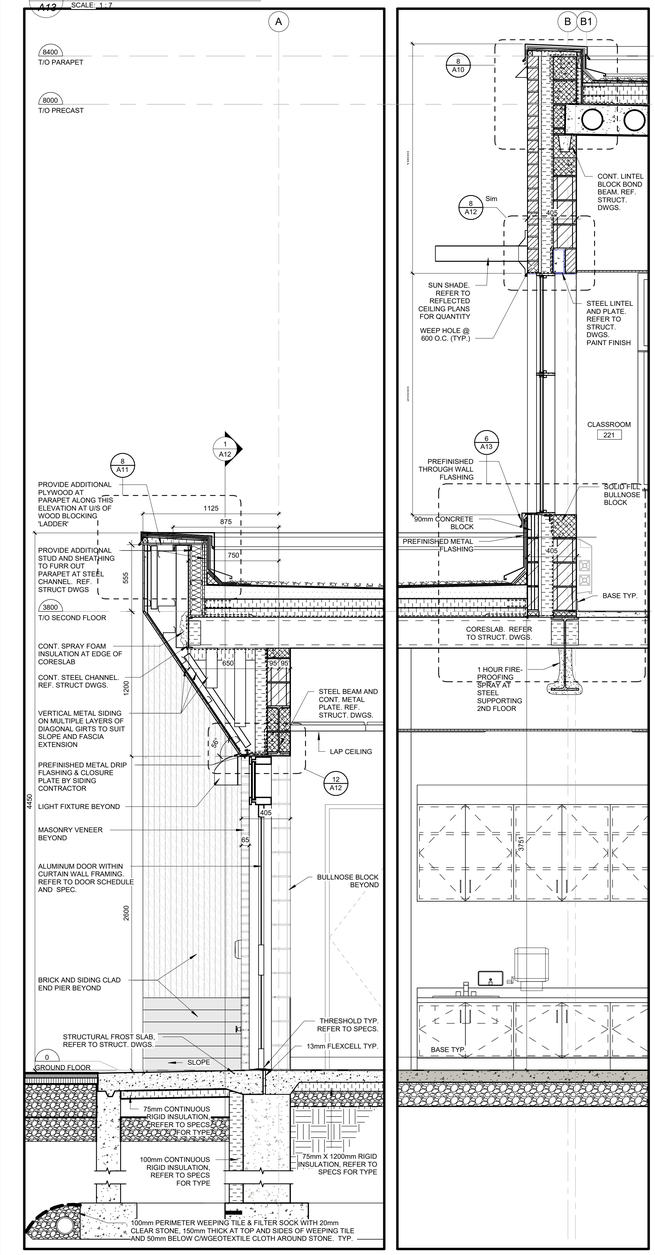




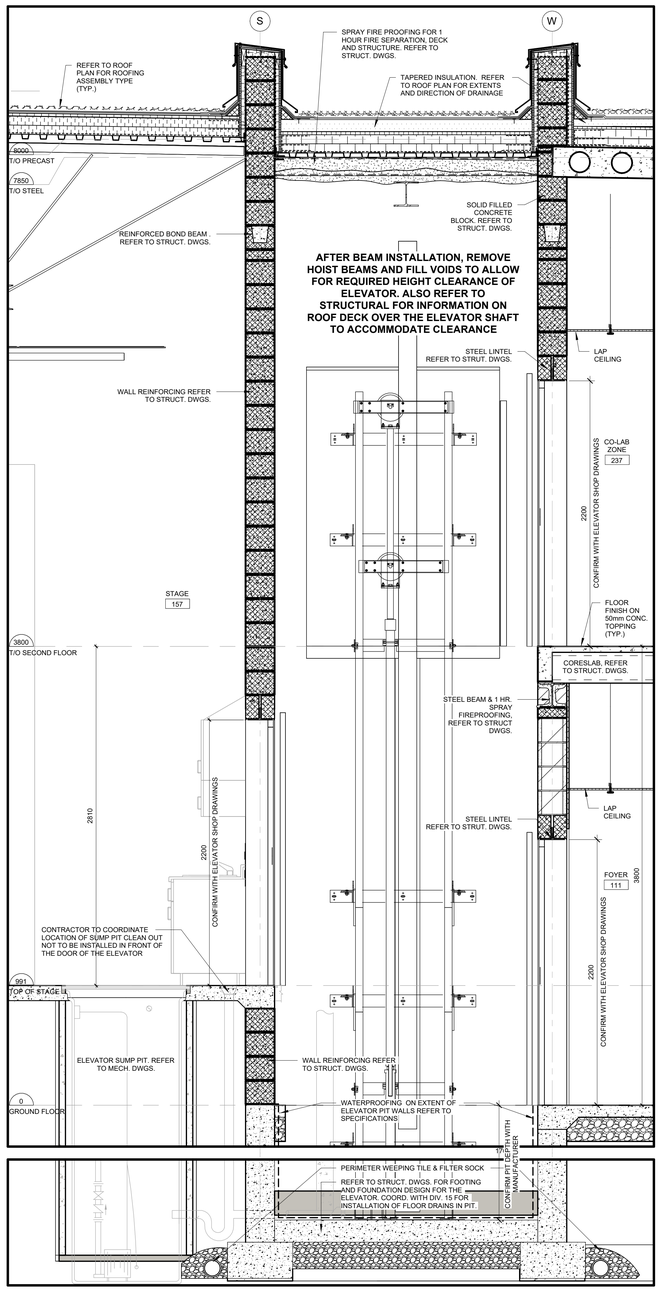
7 / A13 *WALL SECTION @ ROOF ACCESS DOOR FROM MECH ROOM*
SCALE: 1 : 10



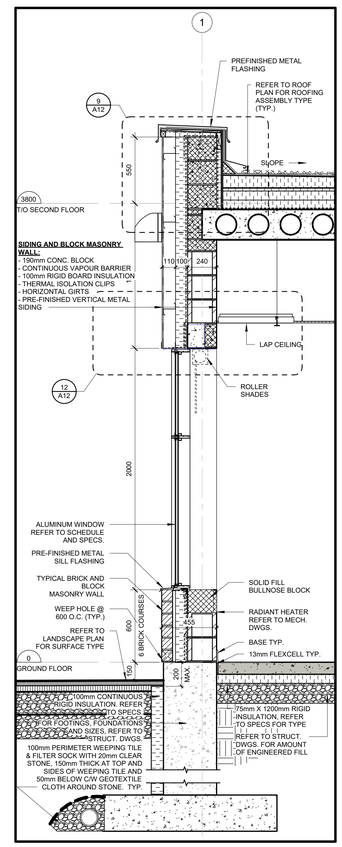
8 / A13 *WALL SECTION @ CURTAIN WALL IN CLASSROOMS 203, 204 & 205*
SCALE: 1 : 20



1 / A13 *WALL SECTION @ CHILD CARE CANOPY*
SCALE: 1 : 20



2 / A13 *WALL SECTION THROUGH ELEVATOR SHAFT*
SCALE: 1 : 20



3 / A13 *WALL SECTION @ WINDOW OF CHILD CARE*
SCALE: 1 : 20

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6653
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

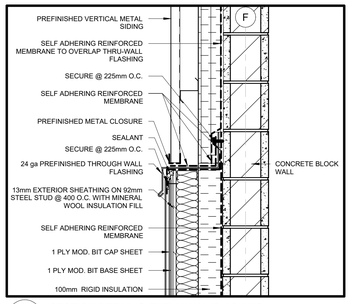
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

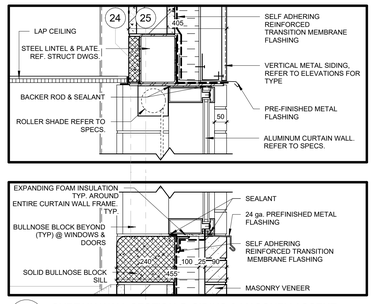
WALL SECTIONS AND DETAILS

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

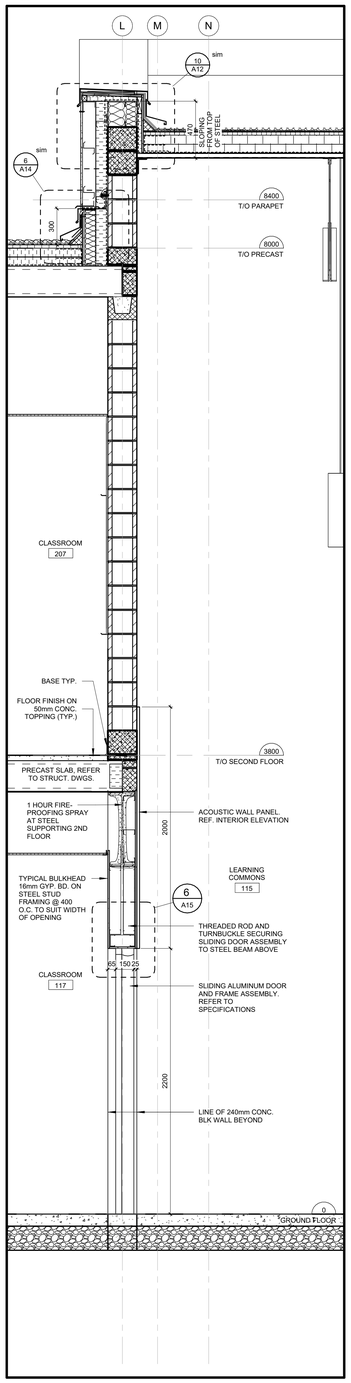
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PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
DRAWING	A13
CHECKED	Checker
PRINT DATE	6/22/2026 10:55:00 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT



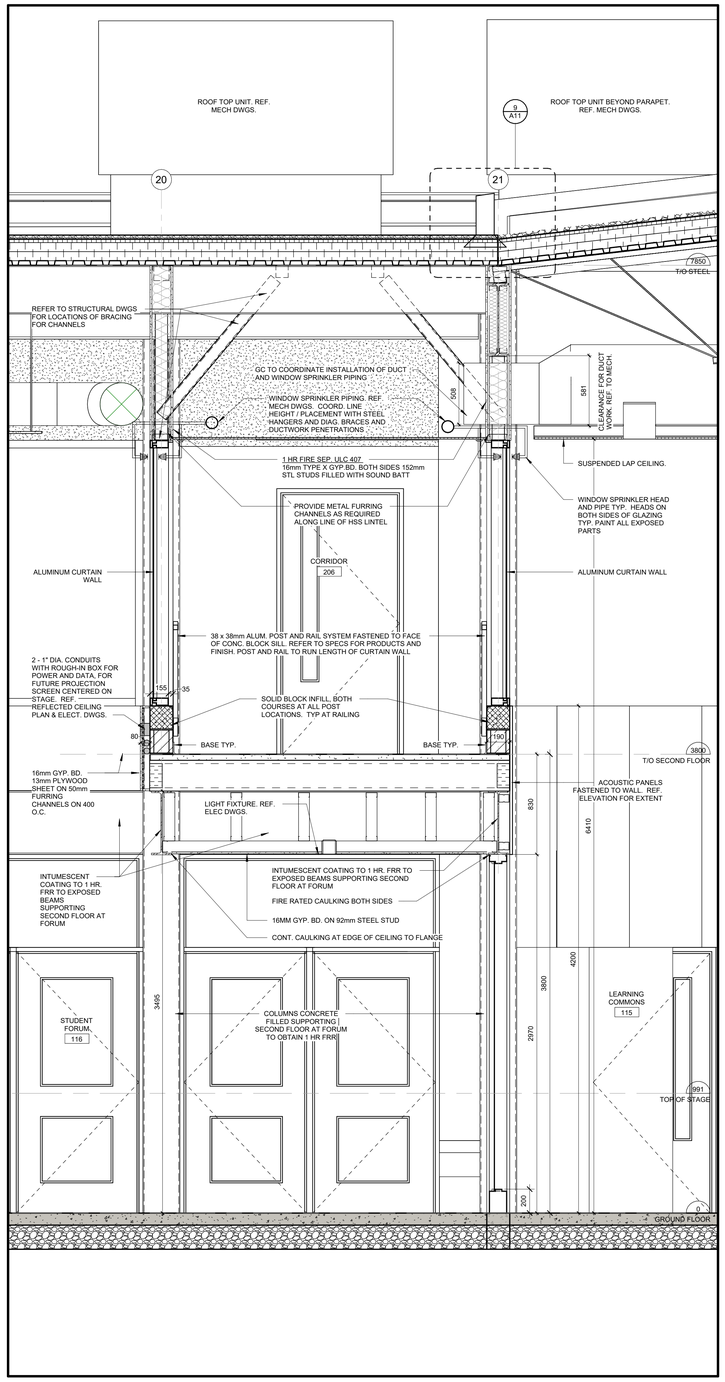
6 / A14 *SECTION DETAIL @ THRU WALL FLASHING*
SCALE: 1 : 10



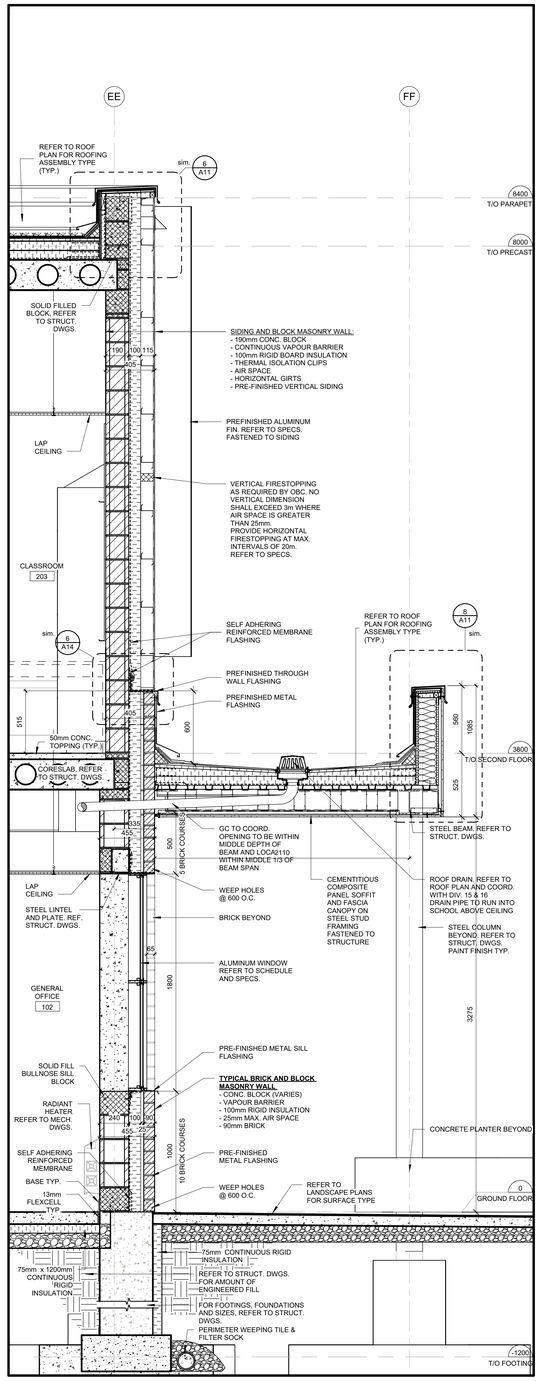
7 / A14 *CURTAIN WALL SECTION @ SIDING & MASONRY ACCENT*
SCALE: 1 : 10



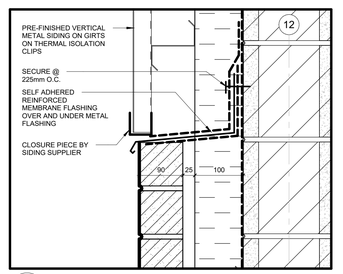
1 / A14 *WALL SECTION AT O/H DOOR*
SCALE: 1 : 20



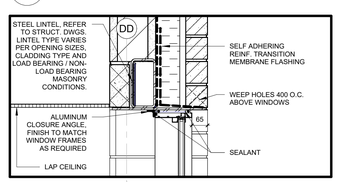
2 / A14 *WALL SECTION @ CORRIDOR 206*
SCALE: 1 : 20

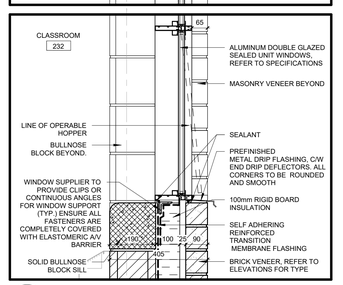


3 / A14 *WALL SECTION @ CANOPY OF MAIN ENTRANCE*
SCALE: 1 : 20



5 / A14 *WALL SECTION @ CHILD CARE PIER PANEL TO VERTICAL METAL SIDING*
SCALE: 1 : 5





4 / A14 *WINDOW SECTION DETAIL @ MASONRY*
SCALE: 1 : 10

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JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE
5053
Certificate of Practice # 4292

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
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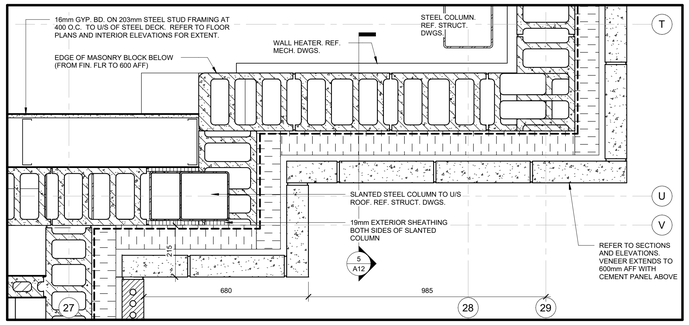
City File # SPA 2025-0025

peel District School Board
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MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

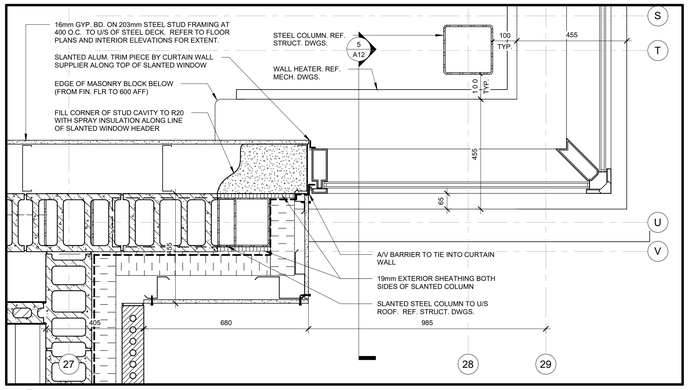
WALL SECTIONS AND DETAILS

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

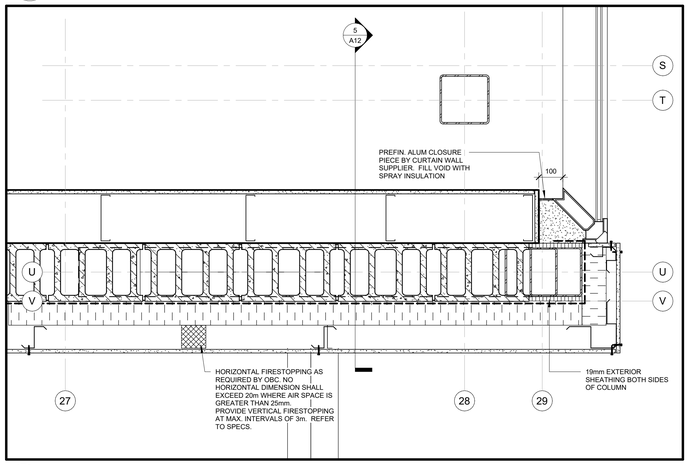
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PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
DRAWING	A14
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REVIT FILE	T:\2019\19114\02\Revit.RVT



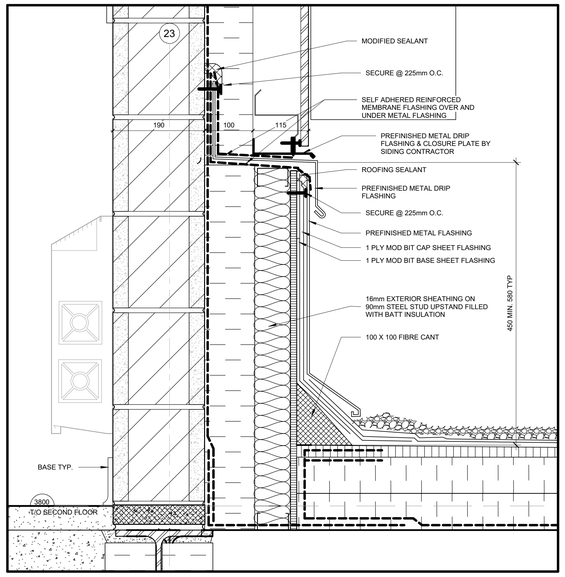
16 A15 *PLAN DETAIL AT LIBRARY CORNER LOW LEVEL THROUGH BRICK / BLOCK*
SCALE: 1 : 10



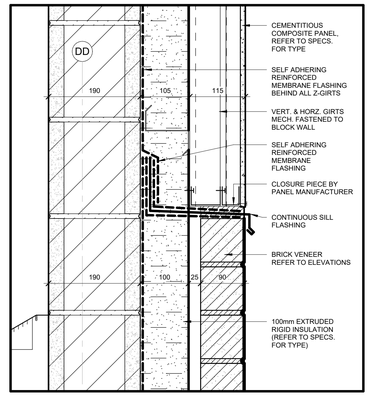
17 A15 *PLAN DETAIL AT LIBRARY CORNER LOW LEVEL ABOVE BRICK / BLOCK*
SCALE: 1 : 10



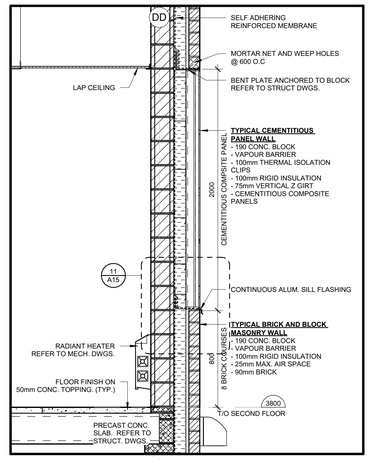
18 A15 *PLAN DETAIL AT LIBRARY CORNER HIGH LEVEL*
SCALE: 1 : 10



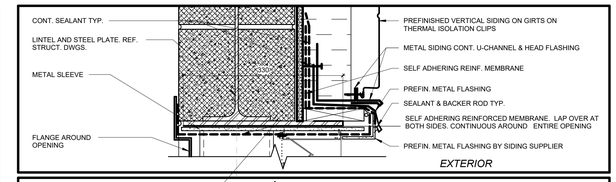
15 A15 *SECTION ROOF TO WALL AT SIDING ON BLOCK*
SCALE: 1 : 5

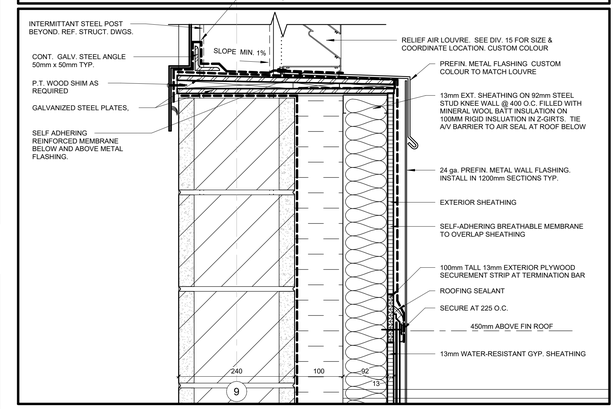


11 A15 *COMPOSITE PANEL TO BRICK TRANSITION DETAIL*
SCALE: 1 : 5

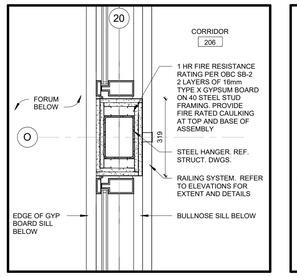


12 A15 *WALL SECTION - TYP. COMPOSITE PANEL @ WINDOWS*
SCALE: 1 : 20

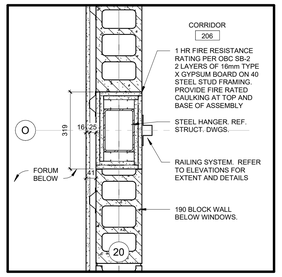




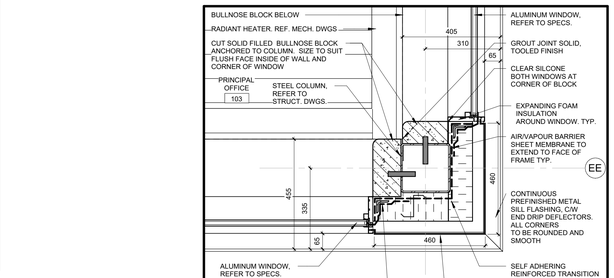
10 A15 *SECTION DETAIL @ MECH LOUVRE*
SCALE: 1 : 5



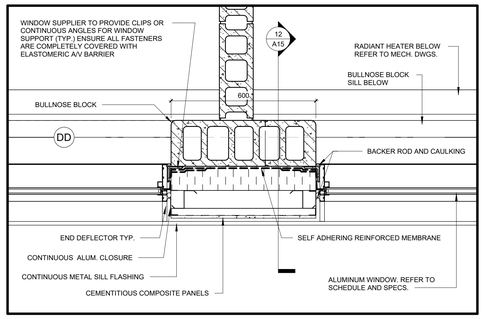
14 A15 *PLAN DETAIL - 2ND FLR HANGER @ CORR. 206 MID HEIGHT @ GLAZED ASSEMBLY*
SCALE: 1 : 10



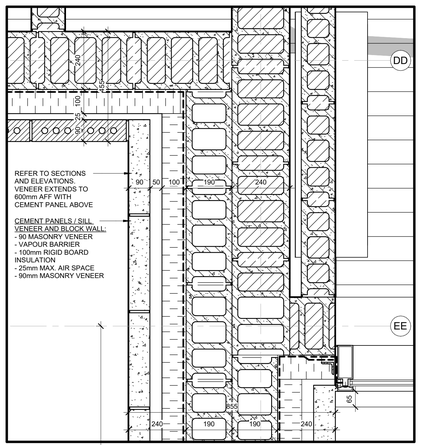
13 A15 *PLAN DETAIL - 2ND FLR HANGER @ CORR. 206 LOW HEIGHT @ BLOCK SILL*
SCALE: 1 : 10

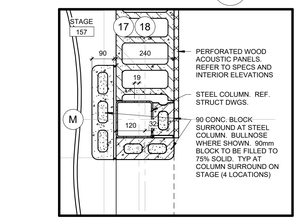


9 A15 *PLAN DETAIL AT CORNER COL @ WINDOW*
SCALE: 1 : 10

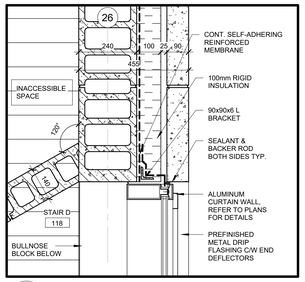


19 A15 *PLAN DETAIL @ PANEL BETWEEN WINDOWS*
SCALE: 1 : 10

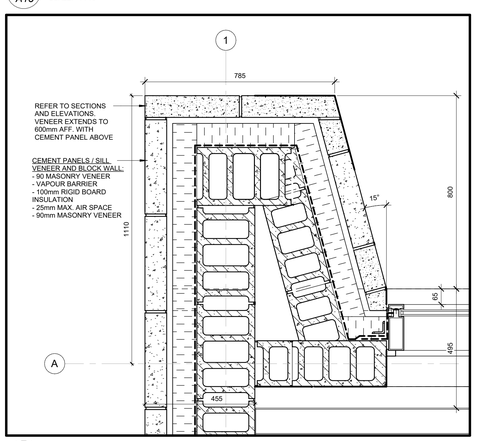




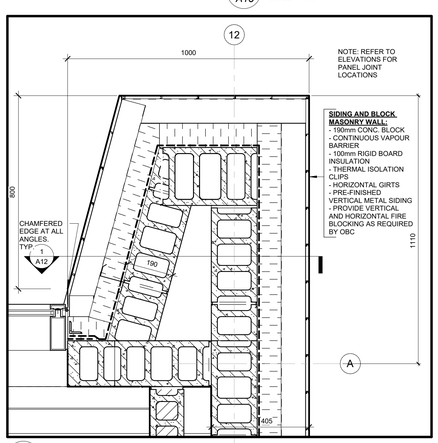
7 A15 *PLAN DETAIL @ STAGE COLUMN*
SCALE: 1 : 10



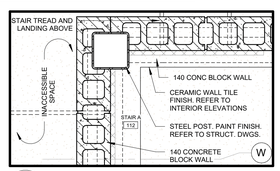
8 A15 *PLAN DETAIL @ CURTAIN WALL & MASONRY*
SCALE: 1 : 10



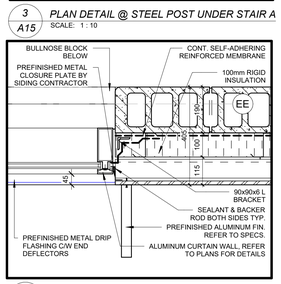
1 A15 *PLAN DETAIL AT CHILD CARE PIER LOW LEVEL*
SCALE: 1 : 10



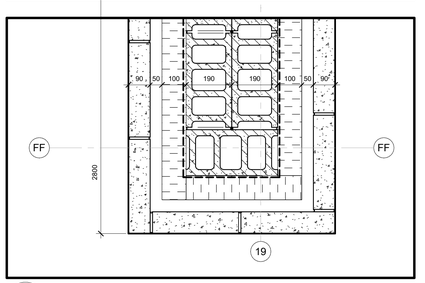
2 A15 *PLAN DETAIL AT CHILD CARE PIER HIGH LEVEL*
SCALE: 1 : 10



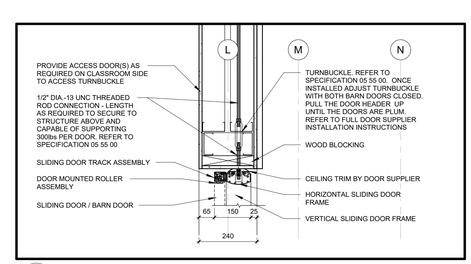
3 A15 *PLAN DETAIL @ STEEL POST UNDER STAIR A*
SCALE: 1 : 10



4 A15 *PLAN DETAIL@ VERT. SIDING*
SCALE: 1 : 10



5 A15 *PLAN DETAIL AT ENTRANCE PIER LOW LEVEL*
SCALE: 1 : 10



6 A15 *SECTION DETAIL AT SLIDING DOOR*
SCALE: 1 : 10

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

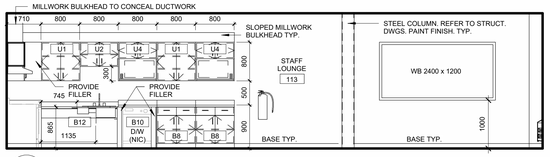
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

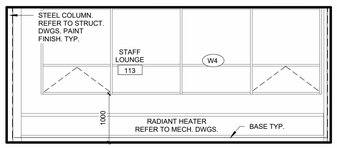
SECTION & PLAN DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3Y8
(905) 815-8284 admin@hossackarch.com

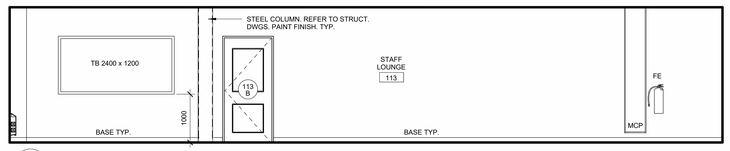
SCALE	As indicated
DATE	JUNE 2026
DRAWN	Author
CHECKED	Checker
PROJECT	24112
DRAWING	A15
PRINT DATE	6/22/2026 10:55:09 AM
REVIT FILE	T:\2019\19114022\Revit.RVT



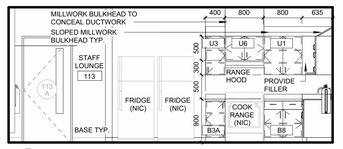
1 A16 *STAFF LOUNGE 113 - A*
SCALE: 1 : 50



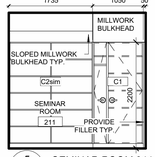
2 A16 *STAFF LOUNGE 113 - B*
SCALE: 1 : 50



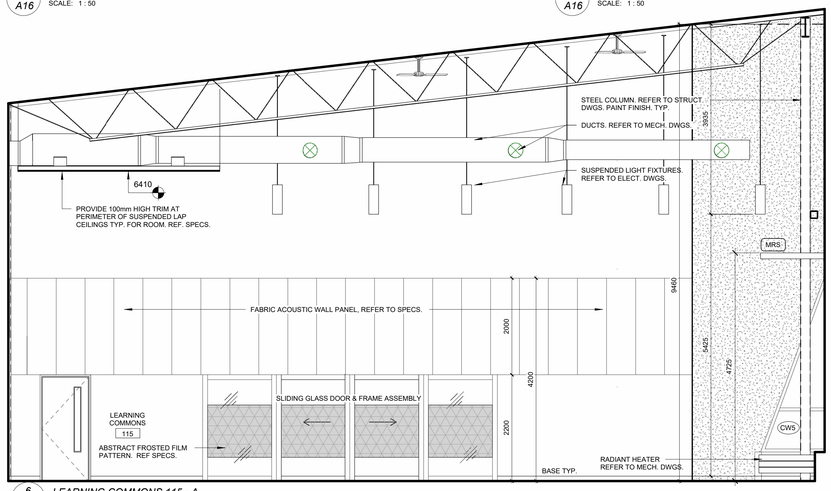
3 A16 *STAFF LOUNGE 113 - C*
SCALE: 1 : 50



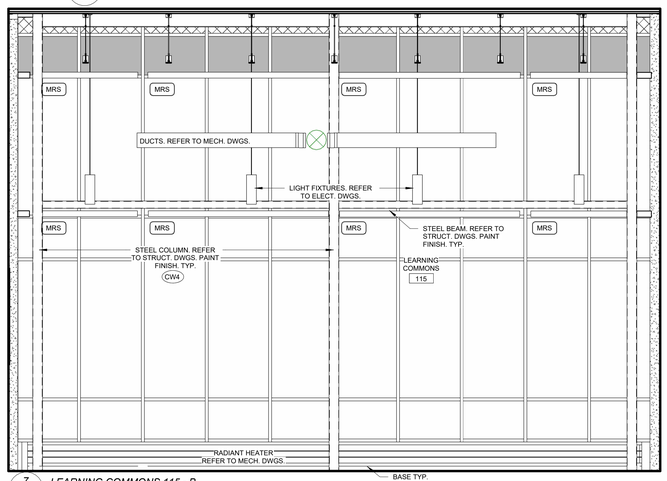
4 A16 *STAFF LOUNGE 113 - D*
SCALE: 1 : 50



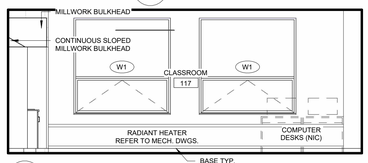
5 A16 *SEMINAR ROOM 211*
SCALE: 1 : 50



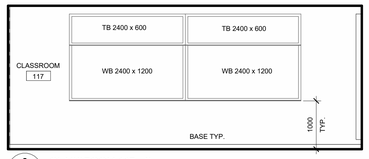
6 A16 *LEARNING COMMONS 115 - A*
SCALE: 1 : 50



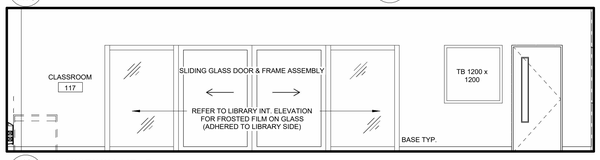
7 A16 *LEARNING COMMONS 115 - B*
SCALE: 1 : 50



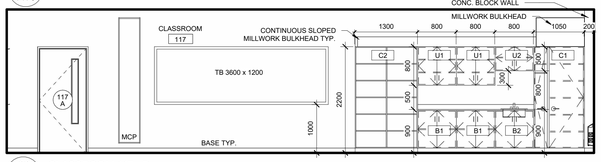
8 A16 *CLASSROOM 117 - A*
SCALE: 1 : 50



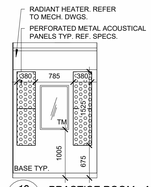
9 A16 *CLASSROOM 117 - C*
SCALE: 1 : 50



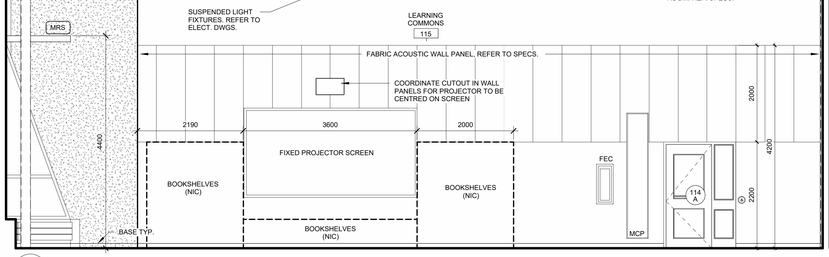
10 A16 *CLASSROOM 117 - B*
SCALE: 1 : 50



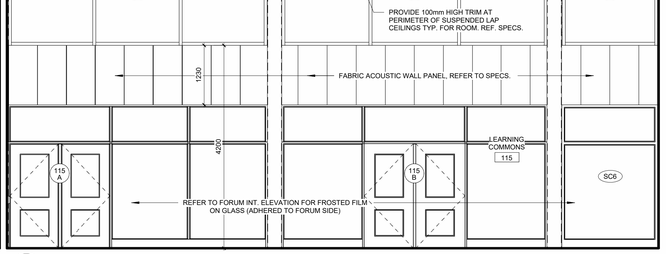
11 A16 *CLASSROOM 117 - D*
SCALE: 1 : 50



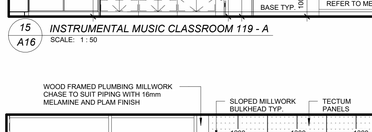
12 A16 *PRACTICE ROOM - A*
SCALE: 1 : 50



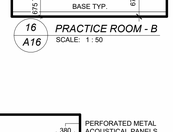
13 A16 *LEARNING COMMONS 115 - C*
SCALE: 1 : 50



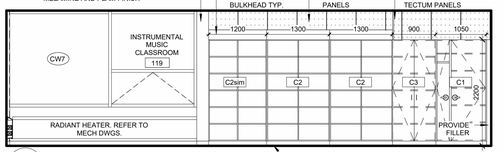
14 A16 *LEARNING COMMONS 115 - D*
SCALE: 1 : 50



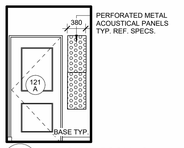
15 A16 *INSTRUMENTAL MUSIC CLASSROOM 119 - A*
SCALE: 1 : 50



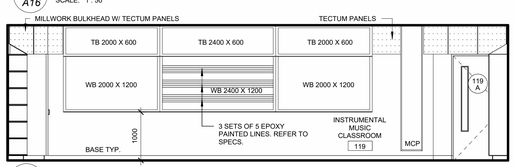
16 A16 *PRACTICE ROOM - B*
SCALE: 1 : 50



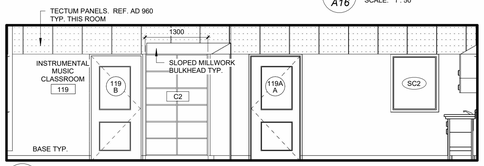
17 A16 *INSTRUMENTAL MUSIC CLASSROOM 119 - B*
SCALE: 1 : 50



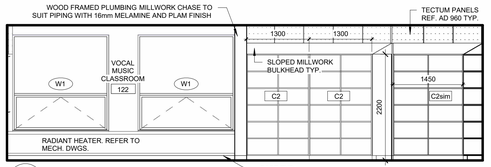
18 A16 *PRACTICE ROOM - C*
SCALE: 1 : 50



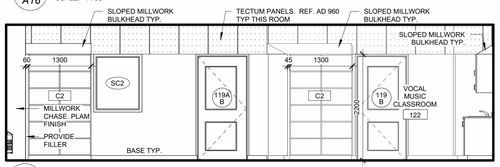
19 A16 *INSTRUMENTAL MUSIC CLASSROOM 119 - C*
SCALE: 1 : 50



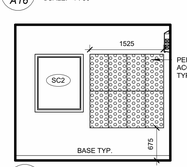
20 A16 *INSTRUMENTAL MUSIC CLASSROOM 119 - D*
SCALE: 1 : 50



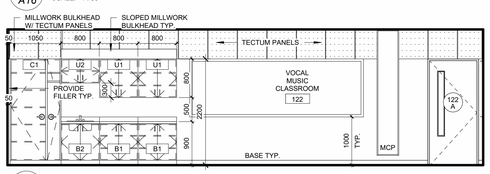
21 A16 *VOCAL MUSIC CLASSROOM 122 - A*
SCALE: 1 : 50



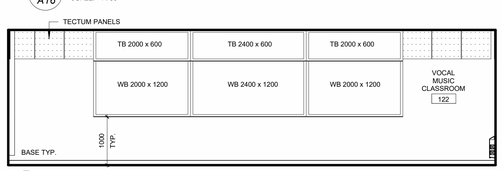
22 A16 *VOCAL MUSIC CLASSROOM 122 - B*
SCALE: 1 : 50



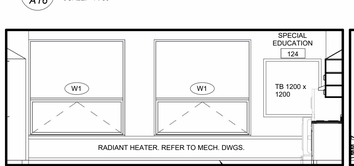
23 A16 *PRACTICE ROOM - D*
SCALE: 1 : 50



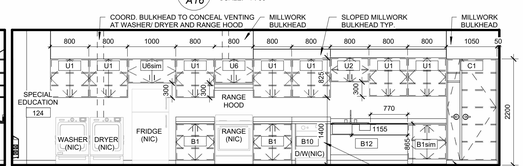
24 A16 *VOCAL MUSIC CLASSROOM 122 - C*
SCALE: 1 : 50



25 A16 *VOCAL MUSIC CLASSROOM 122 - D*
SCALE: 1 : 50

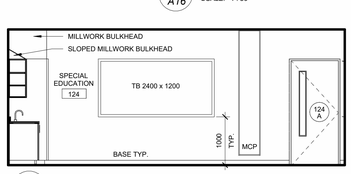


26 A16 *SPECIAL EDUCATION 124 - A*
SCALE: 1 : 50

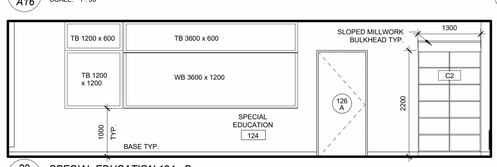


27 A16 *SPECIAL EDUCATION 124 - B*
SCALE: 1 : 50

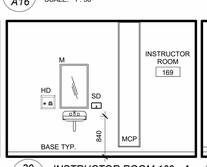
DISHWASHER (SUPPLIED BY OWNER) TO BE INSTALLED BY GC UNDER THIS CONTRACT IN ENTIRETY INCLUDING M&E CONNECTIONS AND BOLTING DOWN TO FLOOR AND INSTALLATION OF MILLWORK FILLER PANELS



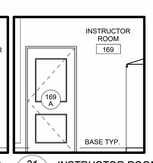
28 A16 *SPECIAL EDUCATION 124 - C*
SCALE: 1 : 50



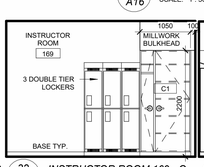
29 A16 *SPECIAL EDUCATION 124 - D*
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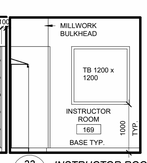
30 A16 *INSTRUCTOR ROOM 169 - A*
SCALE: 1 : 50



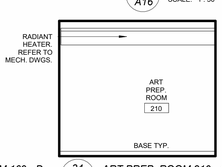
31 A16 *INSTRUCTOR ROOM 169 - B*
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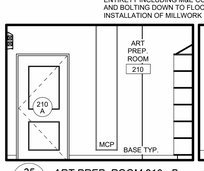
32 A16 *INSTRUCTOR ROOM 169 - C*
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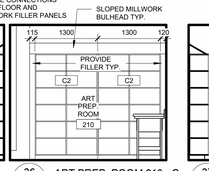
33 A16 *INSTRUCTOR ROOM 169 - D*
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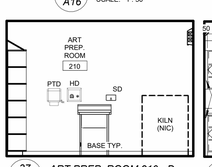
34 A16 *ART PREP. ROOM 210 - A*
SCALE: 1 : 50



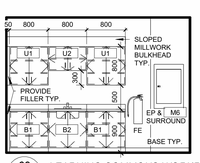
35 A16 *ART PREP. ROOM 210 - B*
SCALE: 1 : 50



36 A16 *ART PREP. ROOM 210 - C*
SCALE: 1 : 50



37 A16 *ART PREP. ROOM 210 - D*
SCALE: 1 : 50



38 A16 *LEARNING COMMONS WORKROOM 114*
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NOTE:
- ANY SOAP DISPENSER SHOWN ARE FOR REFERENCE PURPOSES ONLY. SOAP DISPENSER TO BE SUPPLIED AND INSTALLED BY OWNER. REFER TO SPECS.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

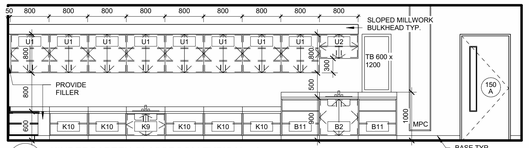
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

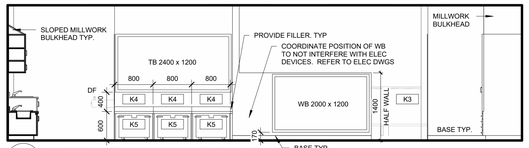
INTERIOR ELEVATIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V9
(905) 815-8284 admin@hossackarch.com

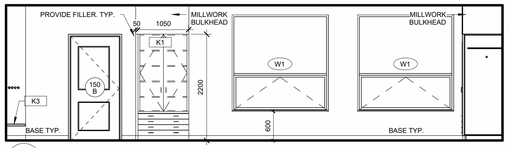
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DRAWN	Author
CHECKED	Checker
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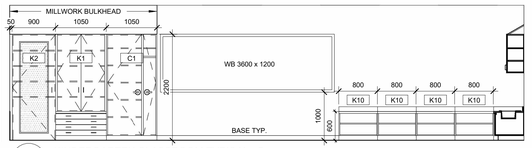
1 A17 KINDERGARTEN CLASSROOM TYPICAL - A
SCALE: 1 : 50



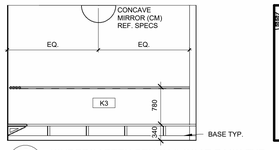
2 A17 KINDERGARTEN CLASSROOM TYPICAL - B
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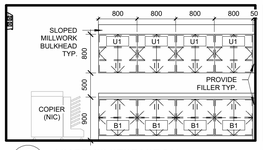
3 A17 KINDERGARTEN CLASSROOM TYPICAL - C
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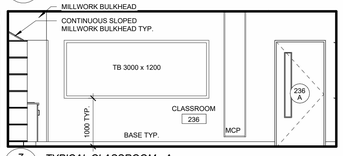
4 A17 KINDERGARTEN CLASSROOM TYPICAL - D
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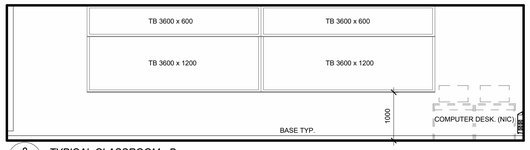
5 A17 KINDERGARTEN BENCH & COAT RACK TYP.
SCALE: 1 : 50



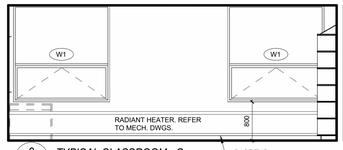
6 A17 ACADEMIC STORAGE 241
SCALE: 1 : 50



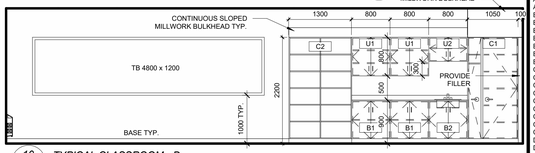
7 A17 TYPICAL CLASSROOM - A
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8 A17 TYPICAL CLASSROOM - B
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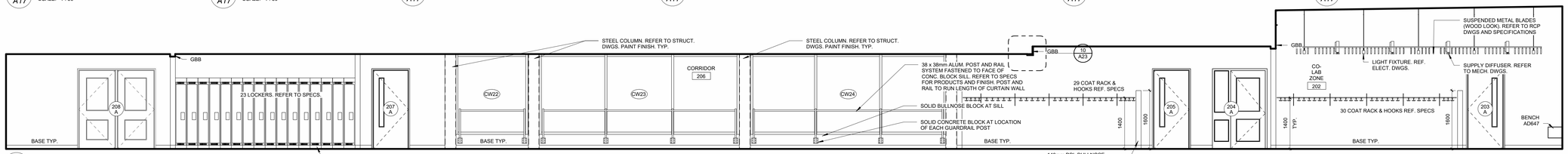


9 A17 TYPICAL CLASSROOM - C
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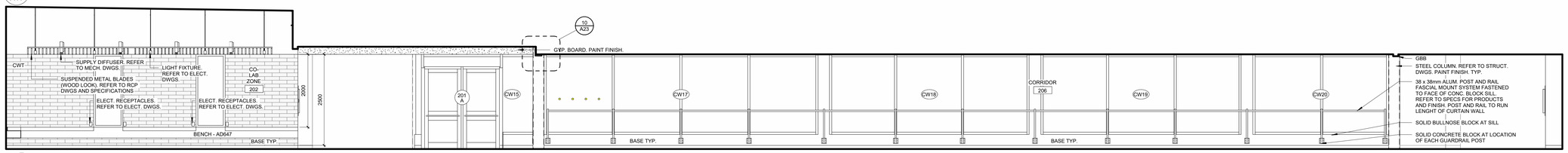
10 A17 TYPICAL CLASSROOM - D
SCALE: 1 : 50

11 A17 GENERAL OFFICE 102
SCALE: 1 : 50

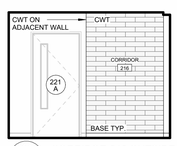


12 A17 CO- LAB ZONE 202 & CORRIDOR 206 - B
SCALE: 1 : 50

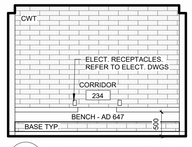
REFER TO CONC. LOCKER BASE DETAIL AD DWG. TYP FOR ALL LOCKERS



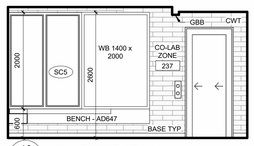
13 A17 CO- LAB ZONE 202 & CORRIDOR 206 - D
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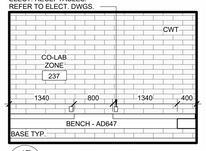
14 A17 CORRIDOR 216 OUTSIDE OF STAIR C
SCALE: 1 : 50



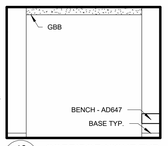
15 A17 CORRIDOR NICHE TYP. - C
SCALE: 1 : 50



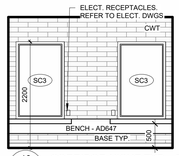
16 A17 CO-LAB ZONE 237 - A
SCALE: 1 : 50



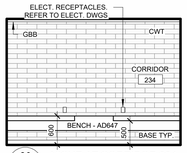
17 A17 CO-LAB ZONE 237 - B
SCALE: 1 : 50



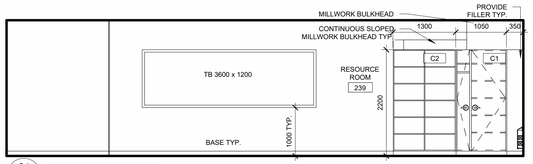
18 A17 CORRIDOR NICHE TYP. - A
SCALE: 1 : 50



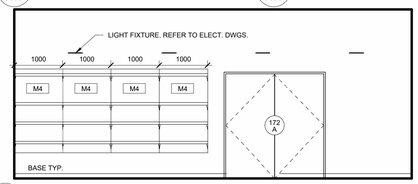
19 A17 CORRIDOR NICHE TYP. - B
SCALE: 1 : 50



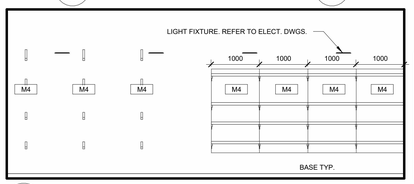
20 A17 NICHE AT CORRIDOR 234
SCALE: 1 : 50



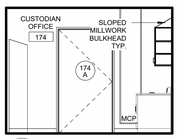
21 A17 RESOURCE ROOM 239
SCALE: 1 : 50



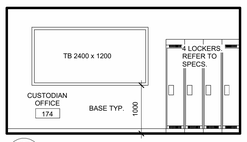
22 A17 GYM STORAGE 172 -A
SCALE: 1 : 50



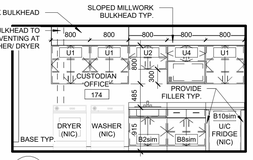
23 A17 GYM STORAGE 172 -B
SCALE: 1 : 50



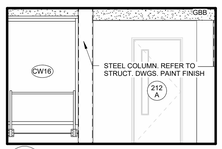
24 A17 CUSTODIAN OFFICE 174 - A
SCALE: 1 : 50



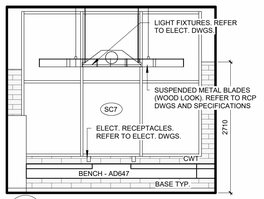
25 A17 CUSTODIAN OFFICE 174 - B
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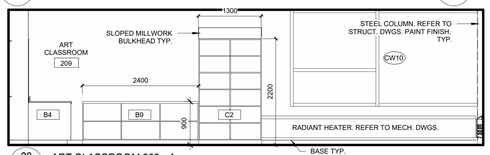
26 A17 CUSTODIAN OFFICE 174 - C
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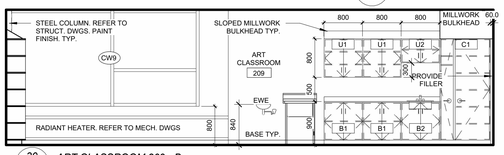
27 A17 CO- LAB ZONE 202 & CORRIDOR 206 - A
SCALE: 1 : 50



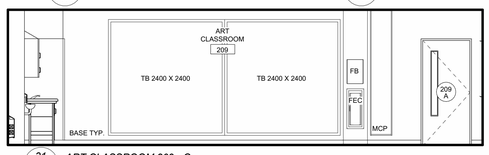
28 A17 CO- LAB ZONE 202 & CORRIDOR 206 - C
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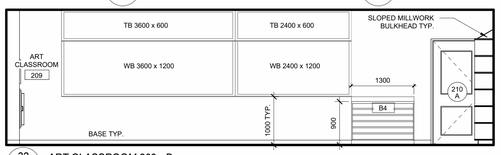
29 A17 ART CLASSROOM 209 - A
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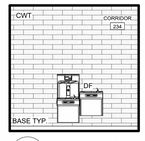
30 A17 ART CLASSROOM 209 - B
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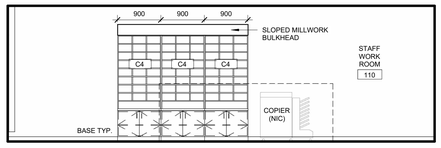
31 A17 ART CLASSROOM 209 - C
SCALE: 1 : 50



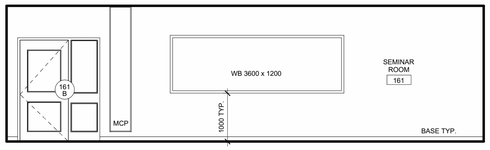
32 A17 ART CLASSROOM 209 - D
SCALE: 1 : 50
RADIANT HEATER. REFER TO MECH. DWGS.



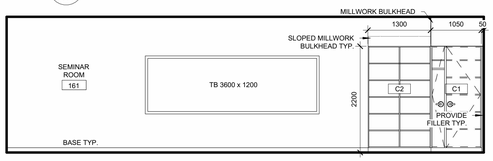
33 A17 DRINKING FOUNTAINS. TYP.
SCALE: 1 : 50



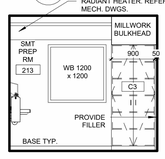
34 A17 STAFF WORK ROOM 110 - A
SCALE: 1 : 50



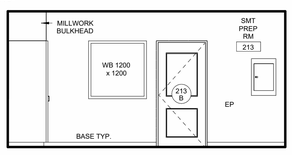
35 A17 SEMINAR ROOM 161 - A
SCALE: 1 : 50



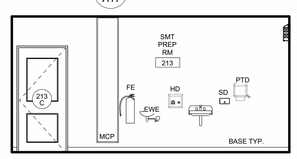
36 A17 SEMINAR ROOM 161 - B
SCALE: 1 : 50



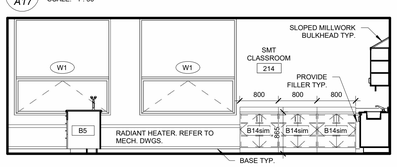
37 A17 SMT PREP ROOM 213 - A
SCALE: 1 : 50



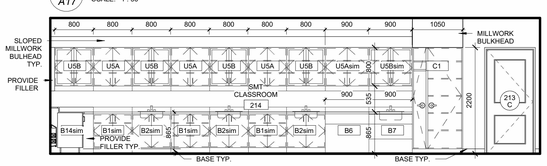
38 A17 SMT PREP ROOM 213 - B
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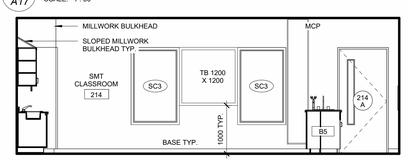
39 A17 SMT PREP ROOM 213 - C
SCALE: 1 : 50



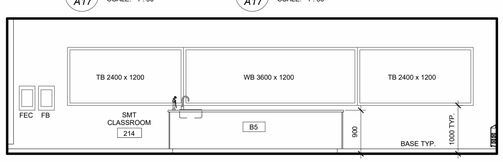
40 A17 SMT CLASSROOM 214 - A
SCALE: 1 : 50



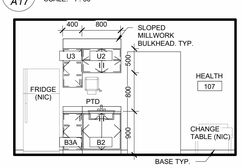
41 A17 SMT CLASSROOM 214 - B
SCALE: 1 : 50



42 A17 SMT CLASSROOM 214 - C
SCALE: 1 : 50



43 A17 SMT CLASSROOM 214 - D
SCALE: 1 : 50



44 A17 HEALTH 107
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NOTE:
- ANY SOAP DISPENSER SHOWN ARE FOR REFERENCE PURPOSES ONLY. SOAP DISPENSER TO BE SUPPLIED AND INSTALLED BY OWNER. REFER TO SPECS.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

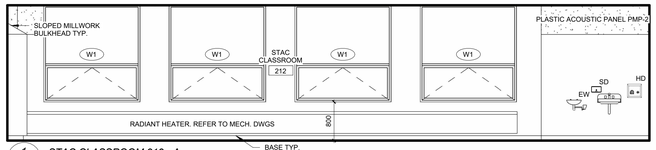
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

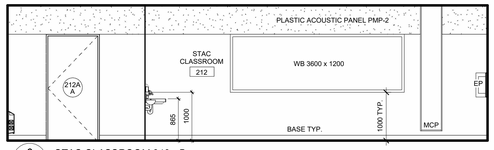
INTERIOR ELEVATIONS

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

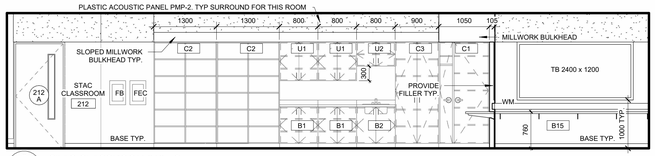
SCALE	As indicated
PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
DRAWING	A17
CHECKED	Checker
PRINT DATE	6/22/2026 10:55:53 AM
REVIT FILE	T:\2019\19114\22\Revit.RVT



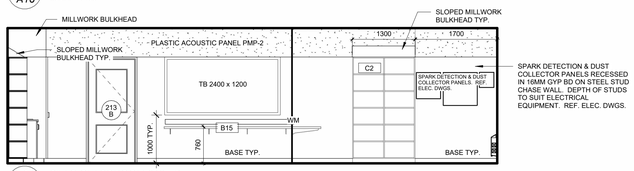
1 A18 *STAC CLASSROOM 212 - A*
SCALE: 1 : 50



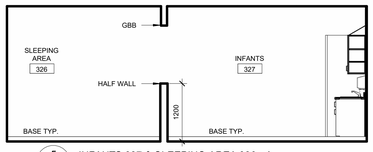
2 A18 *STAC CLASSROOM 212 - B*
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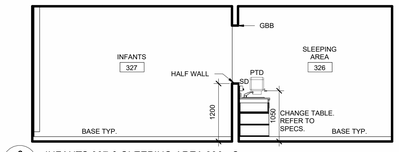
3 A18 *STAC CLASSROOM 212 - C*
SCALE: 1 : 50



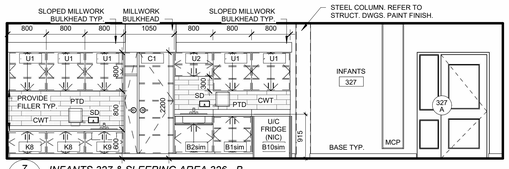
4 A18 *STAC CLASSROOM 212 - D*
SCALE: 1 : 50



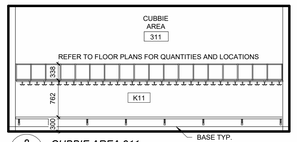
5 A18 *INFANTS 327 & SLEEPING AREA 326 - A*
SCALE: 1 : 50



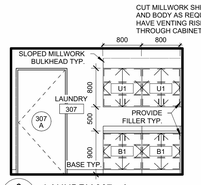
6 A18 *INFANTS 327 & SLEEPING AREA 326 - C*
SCALE: 1 : 50



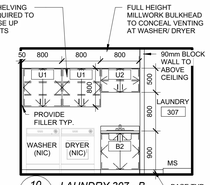
7 A18 *INFANTS 327 & SLEEPING AREA 326 - B*
SCALE: 1 : 50



8 A18 *CUBBIE AREA 311*
SCALE: 1 : 50

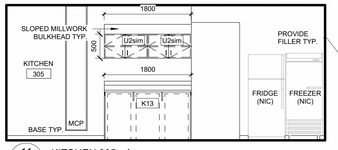


9 A18 *LAUNDRY 307 - A*
SCALE: 1 : 50

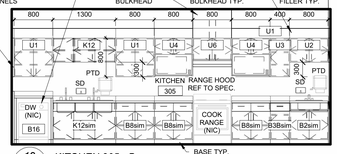


10 A18 *LAUNDRY 307 - B*
SCALE: 1 : 50

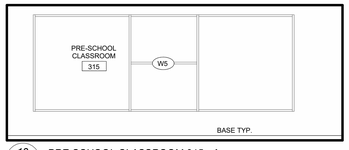
DISHWASHER (SUPPLIED BY OWNER) TO BE INSTALLED BY GC UNDER THIS CONTRACT IN ENTIRETY INCLUDING M&E CONNECTIONS AND BOLTING DOWN TO FLOOR AND INSTALLATION OF MILLWORK FILLER PANELS



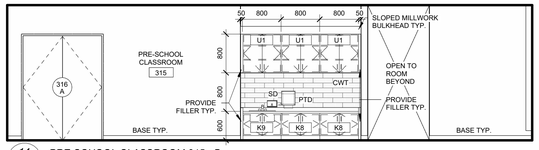
11 A18 *KITCHEN 305 - A*
SCALE: 1 : 50



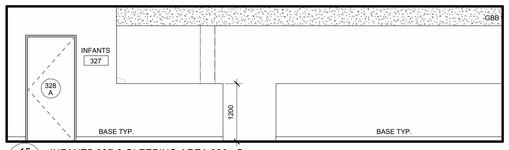
12 A18 *KITCHEN 305 - B*
SCALE: 1 : 50



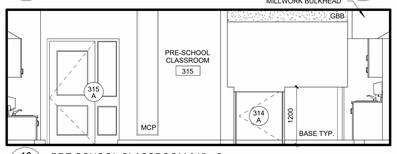
13 A18 *PRE-SCHOOL CLASSROOM 315 - A*
SCALE: 1 : 50



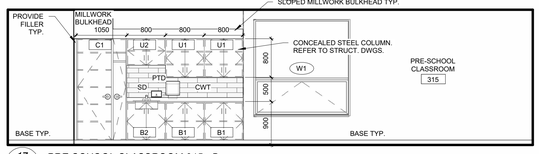
14 A18 *PRE-SCHOOL CLASSROOM 315 - B*
SCALE: 1 : 50



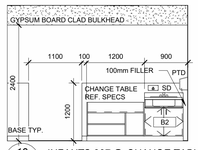
15 A18 *INFANTS 327 & SLEEPING AREA 326 - D*
SCALE: 1 : 50



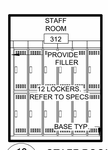
16 A18 *PRE-SCHOOL CLASSROOM 315 - C*
SCALE: 1 : 50



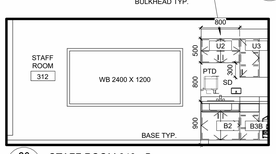
17 A18 *PRE-SCHOOL CLASSROOM 315 - D*
SCALE: 1 : 50



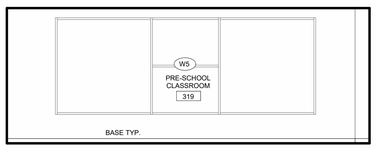
18 A18 *INFANTS 327 @ CHANGE TABLE*
SCALE: 1 : 50



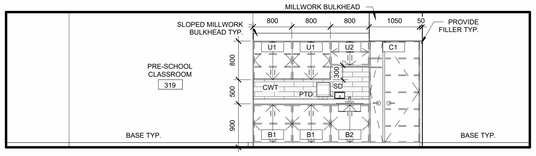
19 A18 *STAFF ROOM 312 - A*
SCALE: 1 : 50



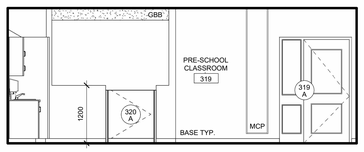
20 A18 *STAFF ROOM 312 - B*
SCALE: 1 : 50



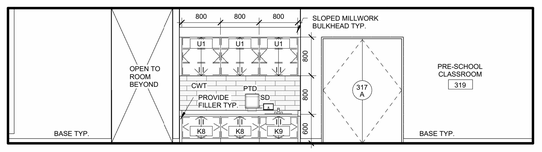
21 A18 *PRE-SCHOOL CLASSROOM 319 - A*
SCALE: 1 : 50



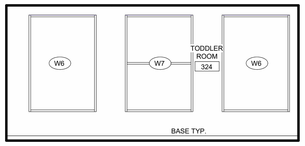
22 A18 *PRE-SCHOOL CLASSROOM 319 - B*
SCALE: 1 : 50



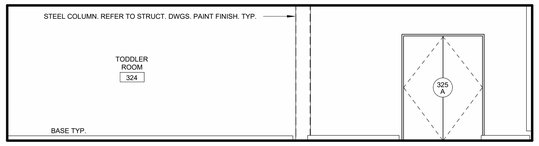
23 A18 *PRE-SCHOOL CLASSROOM 319 - C*
SCALE: 1 : 50



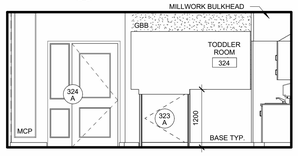
24 A18 *PRE-SCHOOL CLASSROOM 319 - D*
SCALE: 1 : 50



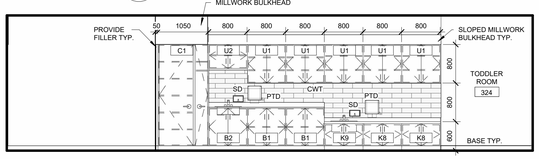
25 A18 *TODDLER ROOM 324 - A*
SCALE: 1 : 50



26 A18 *TODDLER ROOM 324 - B*
SCALE: 1 : 50



27 A18 *TODDLER ROOM 324 - C*
SCALE: 1 : 50



28 A18 *TODDLER ROOM 324 - D*
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
W/D	WASHER/ DRYER N/C
WM	WIREMOLD
WR	WASHROOM

NOTE:
- ANY SOAP DISPENSER SHOWN ARE FOR REFERENCE PURPOSES ONLY. SOAP DISPENSER TO BE SUPPLIED AND INSTALLED BY OWNER. REFER TO SPECS.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

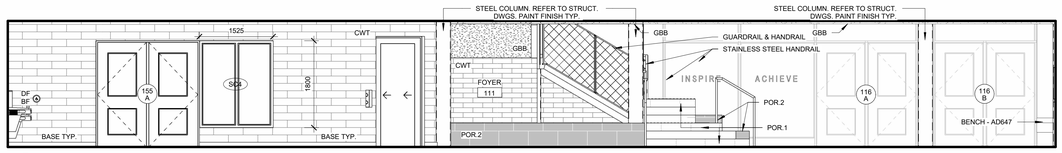
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

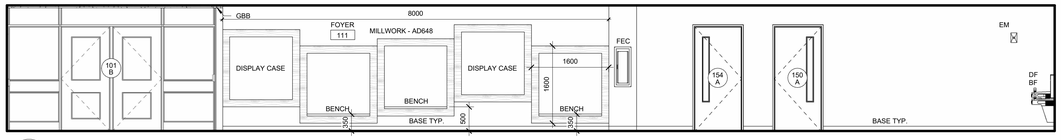
INTERIOR ELEVATIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE, ON., L6H 3V4
(905) 815-5284 admin@hossackarch.com

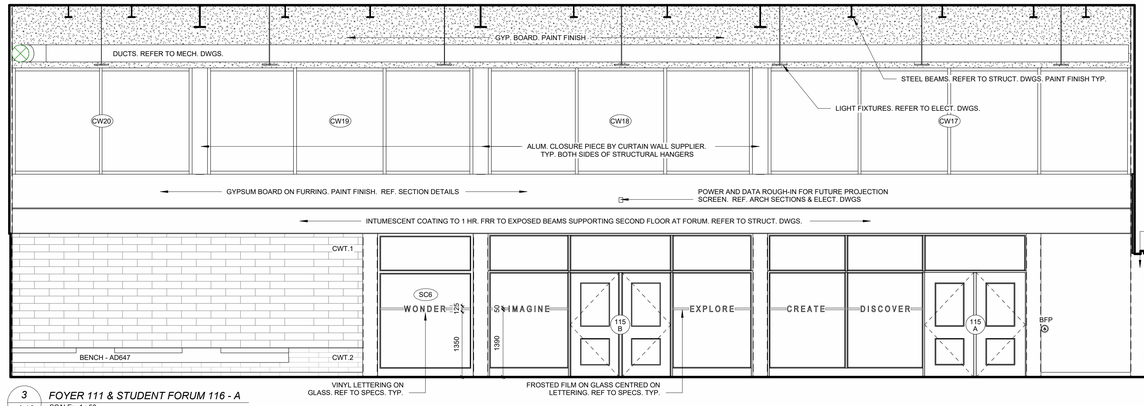
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DATE	JUNE 2026
DRAWN	Author
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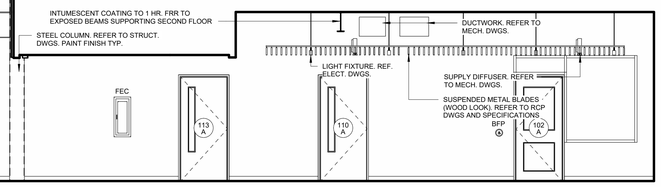
1 A19 *FOYER 111 - A*
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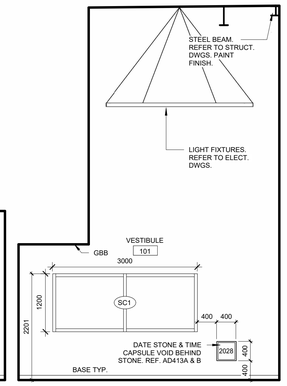


2 A19 *FOYER 111 - B*
SCALE: 1 : 50

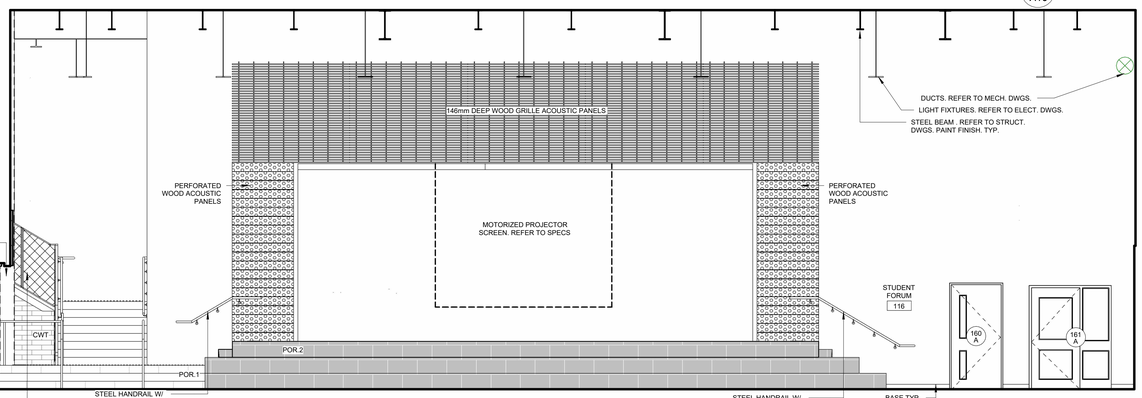


3 A19 *FOYER 111 & STUDENT FORUM 116 - A*
SCALE: 1 : 50

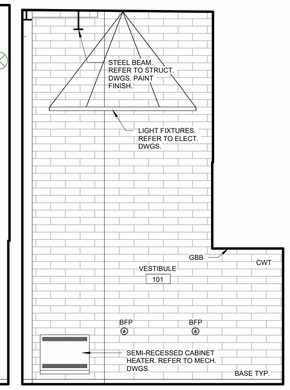




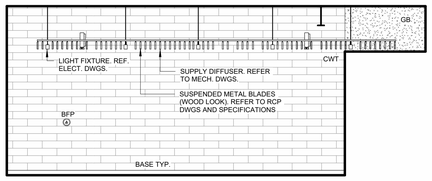
4 A19 *VESTIBULE 101 - A*
SCALE: 1 : 50



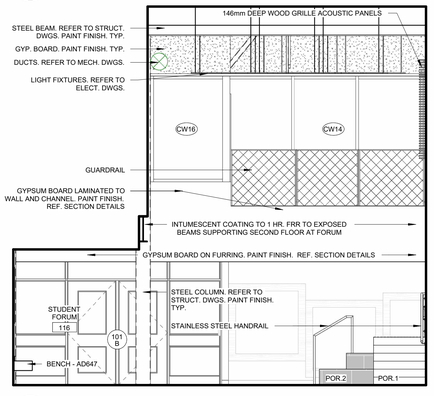
5 A19 *FOYER 111 & STUDENT FORUM 116 - B*
SCALE: 1 : 50



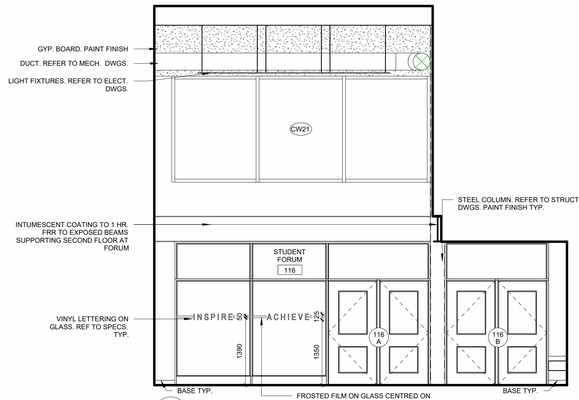
6 A19 *VESTIBULE 101 - B*
SCALE: 1 : 50



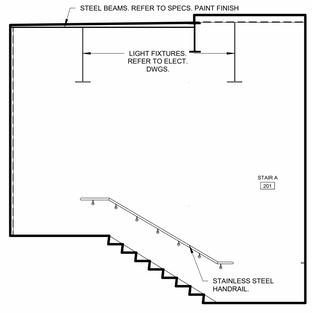
10 A19 *FOYER 111*
SCALE: 1 : 50



7 A19 *STUDENT FORUM 116 - B*
SCALE: 1 : 50



8 A19 *STUDENT FORUM 116 - A*
SCALE: 1 : 50



9 A19 *STAIR A ELEVATION*
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
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Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

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CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

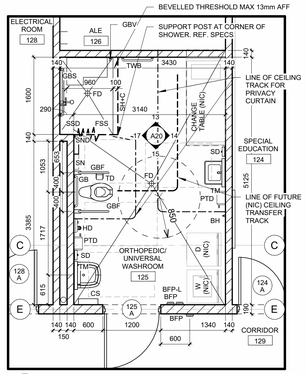
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

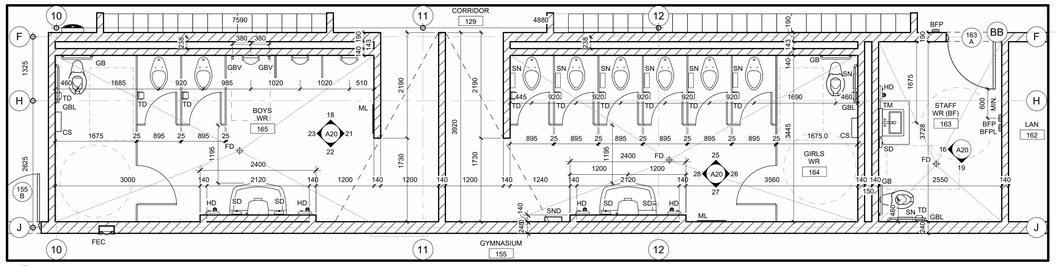
INTERIOR ELEVATIONS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 810-8284 admin@hossackarch.com

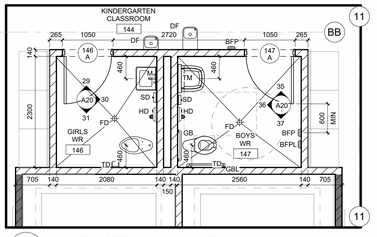
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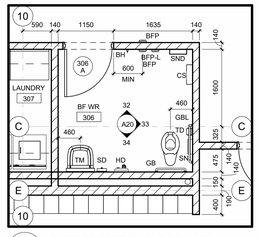
1 A20 *ORTHOPEDIC / UNIVERSAL WASHROOM*
SCALE: 1 : 50



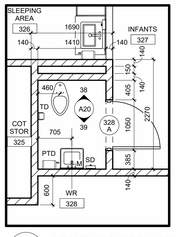
2 A20 *STUDENTS AND STAFF WASHROOMS 163, 164 & 165*
SCALE: 1 : 50



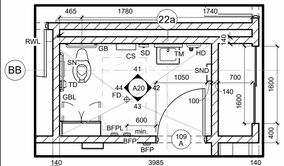
3 A20 *KINDERGARTEN WASHROOMS (TYPICAL)*
SCALE: 1 : 50



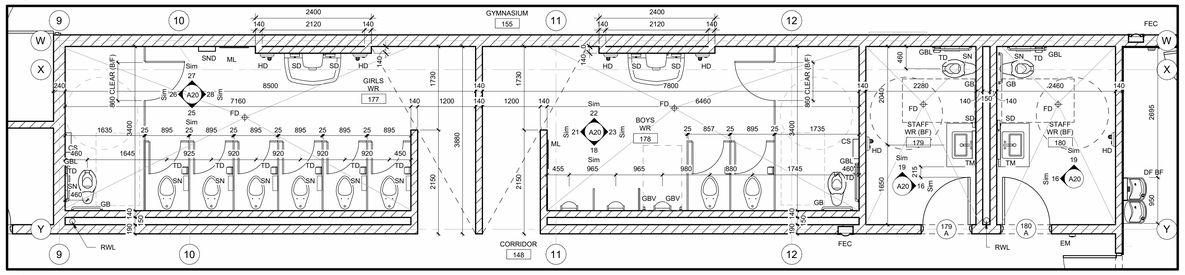
4 A20 *BARRIER FREE WASHROOM 306*
SCALE: 1 : 50



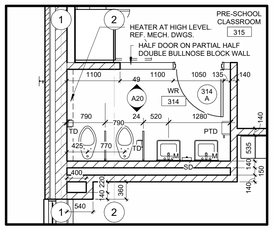
5 A20 *INFANT WASHROOM 328*
SCALE: 1 : 50



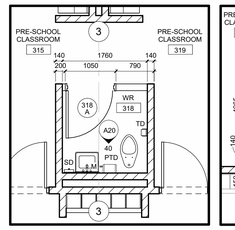
6 A20 *HEALTH WASHROOM*
SCALE: 1 : 50



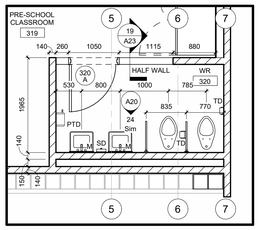
7 A20 *STUDENTS AND STAFF WASHROOMS 176, 177, 178, & 179*
SCALE: 1 : 50



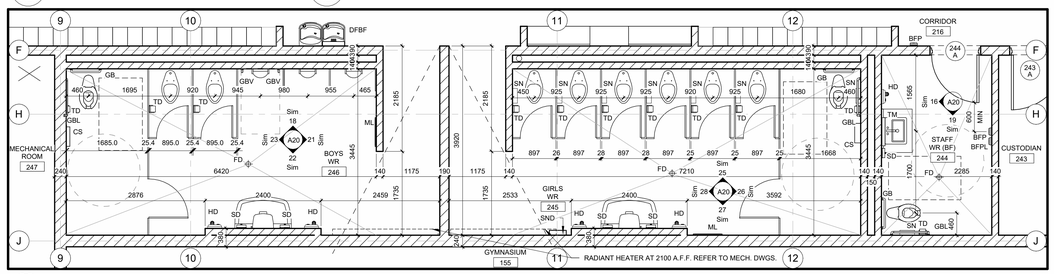
8 A20 *PRE-SCHOOL WASHROOM 314*
SCALE: 1 : 50



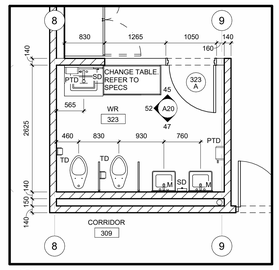
9 A20 *PRE-SCHOOL WASHROOM 318*
SCALE: 1 : 50



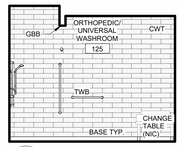
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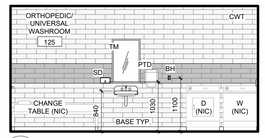
11 A20 *STUDENTS AND STAFF WASHROOMS 246, 245 & 244*
SCALE: 1 : 50



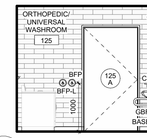
12 A20 *TODDLER WASHROOM 323*
SCALE: 1 : 50



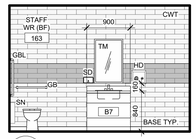
13 A20 *UNIVERSAL WASHROOM 125 - A*
SCALE: 1 : 50



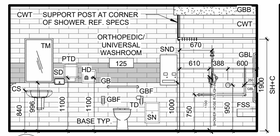
14 A20 *UNIVERSAL WASHROOM 125 - B*
SCALE: 1 : 50



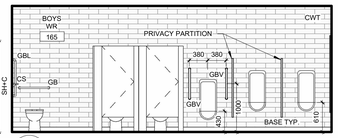
15 A20 *UNIVERSAL WASHROOM 125 - C*
SCALE: 1 : 50



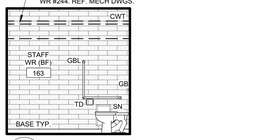
16 A20 *STAFF WASHROOM (TYPICAL) - A*
SCALE: 1 : 50



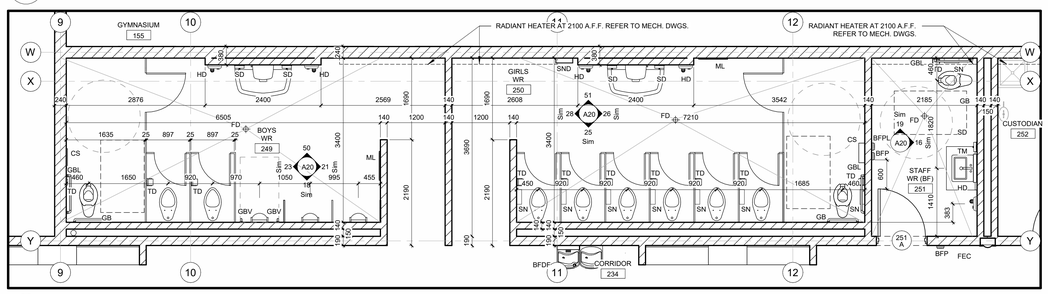
17 A20 *UNIVERSAL WASHROOM 125 - D*
SCALE: 1 : 50



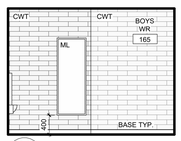
18 A20 *BOY'S WASHROOM (TYPICAL) - A*
SCALE: 1 : 50



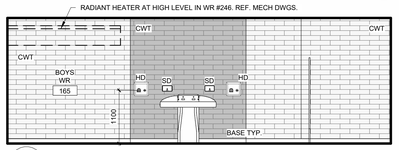
19 A20 *STAFF WASHROOM (TYPICAL) - B*
SCALE: 1 : 50



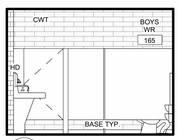
20 A20 *STUDENTS AND STAFF WASHROOMS 249, 250 & 251*
SCALE: 1 : 50



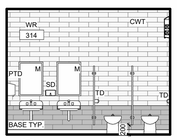
21 A20 *BOY'S WASHROOM (TYPICAL) - B*
SCALE: 1 : 50



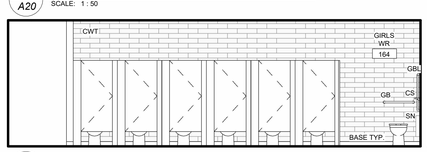
22 A20 *BOY'S WASHROOM (TYPICAL) - C*
SCALE: 1 : 50



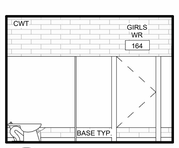
23 A20 *BOY'S WASHROOM (TYPICAL) - D*
SCALE: 1 : 50



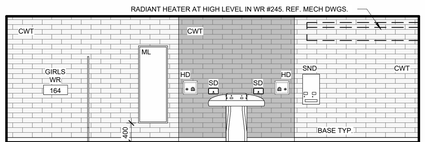
24 A20 *PRE-SCHOOL WR (TYPICAL)*
SCALE: 1 : 50



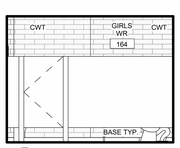
25 A20 *GIRL'S WASHROOM (TYPICAL) - A*
SCALE: 1 : 50



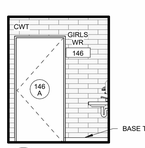
26 A20 *GIRL'S WASHROOM (TYPICAL) - B*
SCALE: 1 : 50



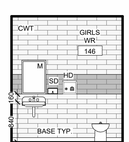
27 A20 *GIRL'S WASHROOM (TYPICAL) - C*
SCALE: 1 : 50



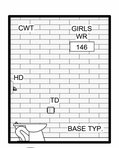
28 A20 *GIRL'S WASHROOM (TYPICAL) - D*
SCALE: 1 : 50



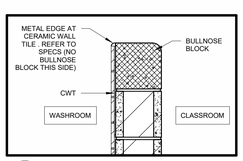
29 A20 *GIRLS WR 146 (TYPICAL) - A*
SCALE: 1 : 50



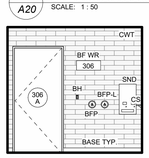
30 A20 *GIRLS WR 146 (TYPICAL) - B*
SCALE: 1 : 50



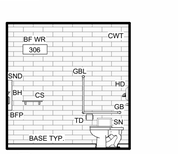
31 A20 *GIRLS WR 146 (TYPICAL) - C*
SCALE: 1 : 50



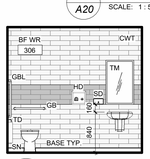
48 A20 *TYP. HALF WALL DETAIL @ TILED SPACES*
SCALE: 1 : 10



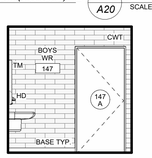
32 A20 *BARRIER FREE WR 306 - A*
SCALE: 1 : 50



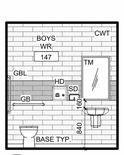
33 A20 *BARRIER FREE WR 306 - B*
SCALE: 1 : 50



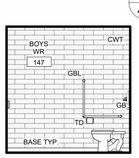
34 A20 *BARRIER FREE WR 306 - C*
SCALE: 1 : 50



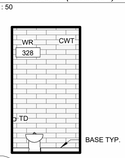
35 A20 *BOYS WR 147 (TYPICAL) - A*
SCALE: 1 : 50



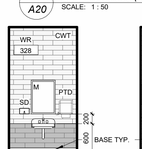
36 A20 *BOYS WR 147 (TYPICAL) - B*
SCALE: 1 : 50



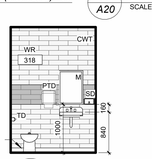
37 A20 *BOYS WR 147 (TYPICAL) - C*
SCALE: 1 : 50



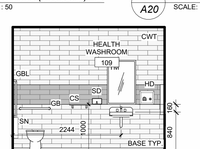
38 A20 *INFANT WR 328 - A*
SCALE: 1 : 50



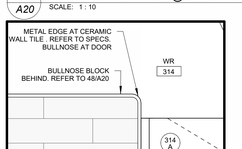
39 A20 *INFANT WR 328 - B*
SCALE: 1 : 50



40 A20 *PRE-SCHOOL WR 318*
SCALE: 1 : 50



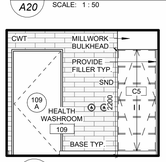
41 A20 *HEALTH WASHROOM 109 - A*
SCALE: 1 : 50



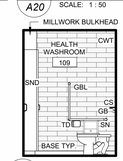
49 A20 *TYP. HALF WALL DETAIL @ TILED SPACES ELEVATION*
SCALE: 1 : 10



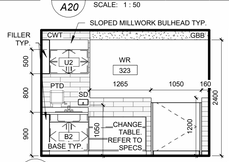
42 A20 *HEALTH WASHROOM 109 - B*
SCALE: 1 : 50



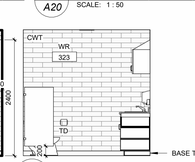
43 A20 *HEALTH WR 109 - C*
SCALE: 1 : 50



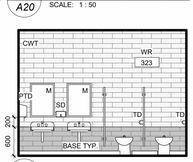
44 A20 *HEALTH WR 109 - D*
SCALE: 1 : 50



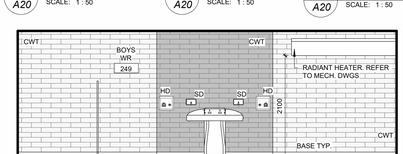
45 A20 *TODDLER WASHROOM 323 - A*
SCALE: 1 : 50



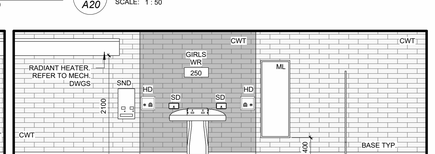
52 A20 *TODDLER WASHROOM 323 - B*
SCALE: 1 : 50



47 A20 *TODDLER WASHROOM 323 - C*
SCALE: 1 : 50



50 A20 *BOYS WASHROOM 249*
SCALE: 1 : 50



51 A20 *GIRLS WASHROOM 250*
SCALE: 1 : 50

REFER TO AD1000 FOR ALL WASHROOM MOUNTING HEIGHT

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NOTE:
- ANY SOAP DISPENSER SHOWN ARE FOR REFERENCE PURPOSES ONLY. SOAP DISPENSER TO BE SUPPLIED AND INSTALLED BY OWNER. REFER TO SPECS.

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

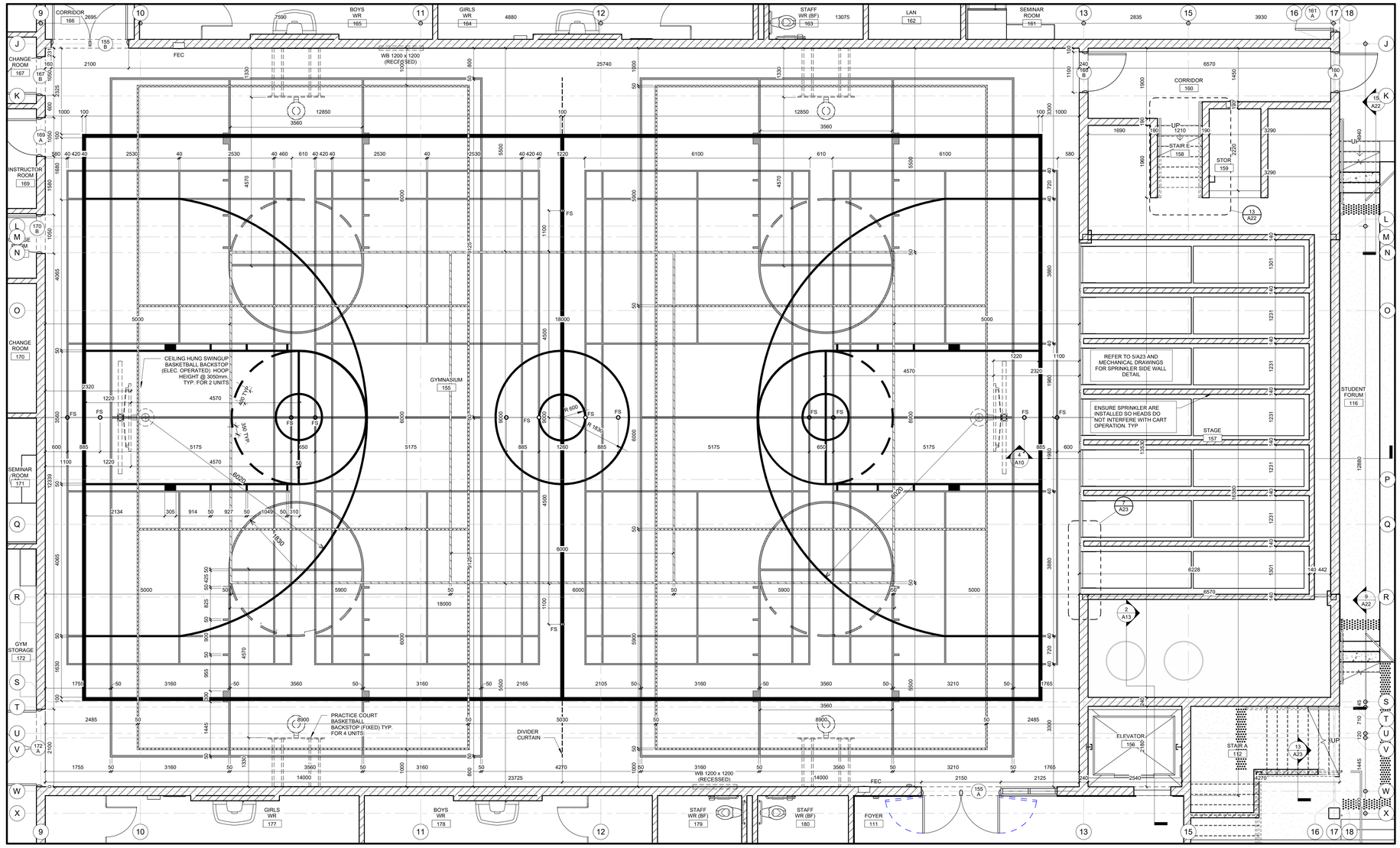
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ENLARGED WASHROOMS PLANS & INTERIOR ELEVATIONS

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

SCALE	As indicated
PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
CHECKED	Checker
DRAWING	A20
PRINT DATE	6/22/2026 10:56:57 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT

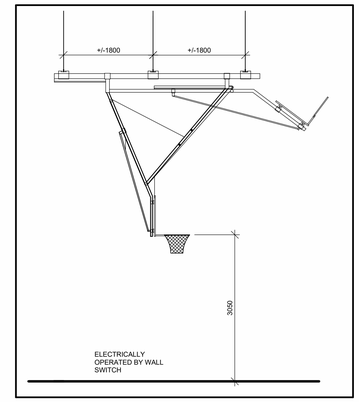


1 A21 *GYMNASIUM AND STAGE LAYOUT*
SCALE: 1 : 50

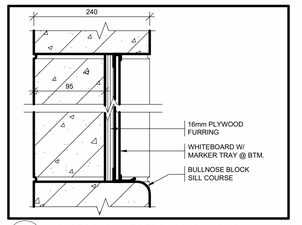
LEGEND		
LINE	COURT	COLOUR
	MAIN BASKETBALL (50mm,100mm border)	RED
	4 PRACT. BASKETBALL (50mm)	RED
	MAIN VOLLEYBALL (50mm)	GREEN
	2 PRACT. VOLLEYBALL (50mm)	GREEN
	4 BADMINTON (25mm)	BLACK
OFS	FLOOR SOCKET	

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

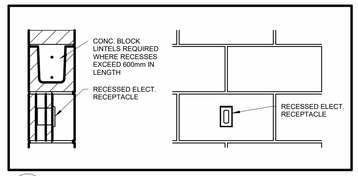
2 A21 *GYM GAMES LINE LEGEND AND NOTES*
SCALE: 1 : 100



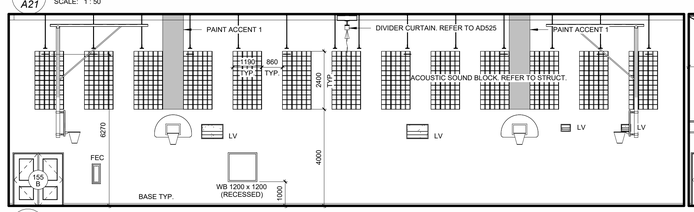
3 A21 *JOIST SUSPENDED SWING-UP BACK STOP*
SCALE: 1 : 50



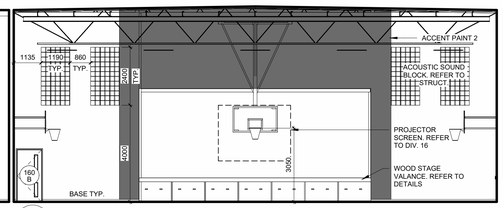
4 A21 *WHITEBOARD RECESS IN GYMNASIUM*
SCALE: 1 : 5



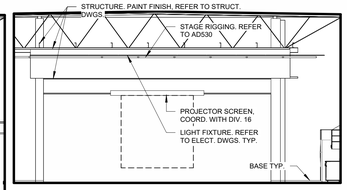
5 A21 *RECESS FOR ELECT. DEVICES IN GYMNASIUM*
SCALE: 1 : 10



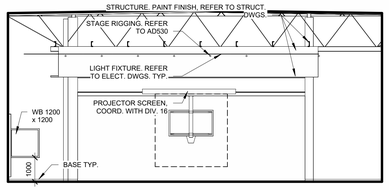
6 A21 *GYMNASIUM ELEVATION -A*
SCALE: 1 : 100



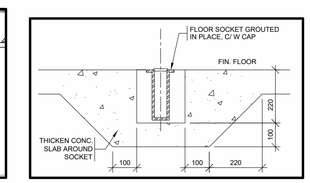
7 A21 *GYMNASIUM ELEVATION -B*
SCALE: 1 : 100



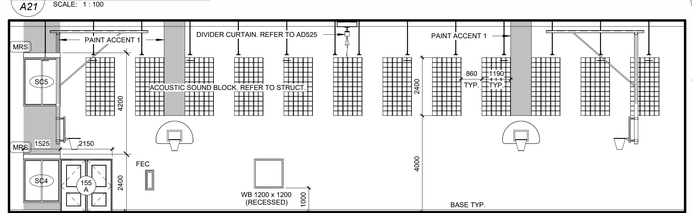
9 A21 *STAGE 157 - B*
SCALE: 1 : 100



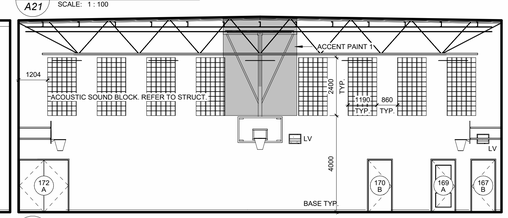
14 A21 *STAGE 157 - D*
SCALE: 1 : 100



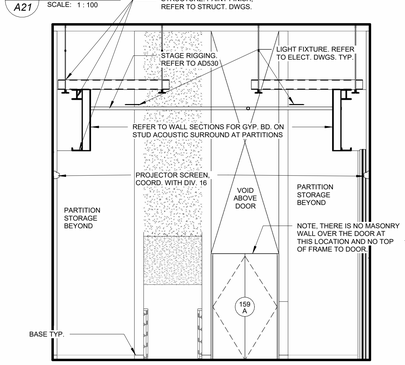
11 A21 *FLOOR SOCKET DETAIL*
SCALE: 1 : 5



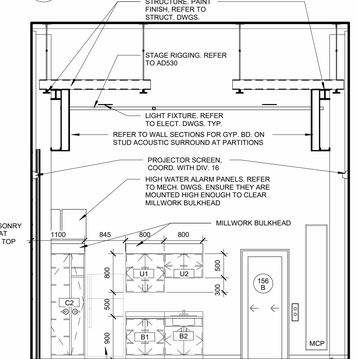
12 A21 *GYMNASIUM ELEVATION -C*
SCALE: 1 : 100



13 A21 *GYMNASIUM ELEVATION -D*
SCALE: 1 : 100



8 A21 *STAGE 157 - A*
SCALE: 1 : 50



10 A21 *STAGE 157 - C*
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
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 REFER TO SPEC
CM	CONVEX MIRROR
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
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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
RHM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE
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
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WC	WINDOW COVERINGS REFER TO SPECS
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

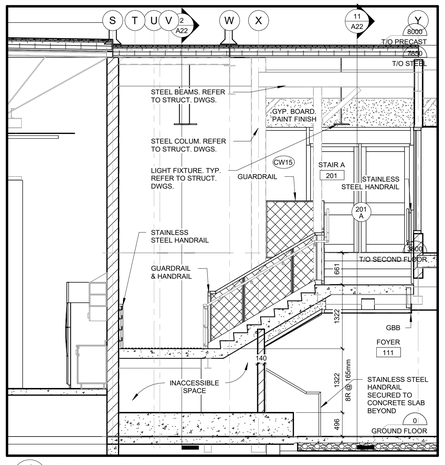
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

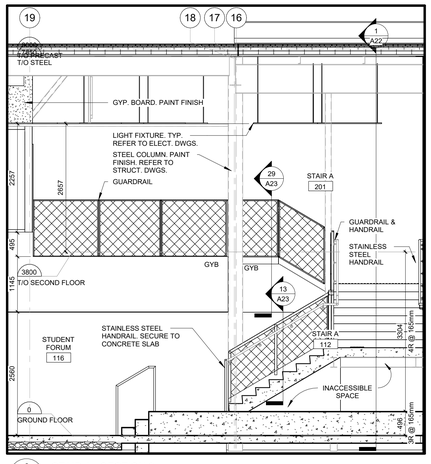
HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

GYMNASIUM LAYOUT AND DETAILS

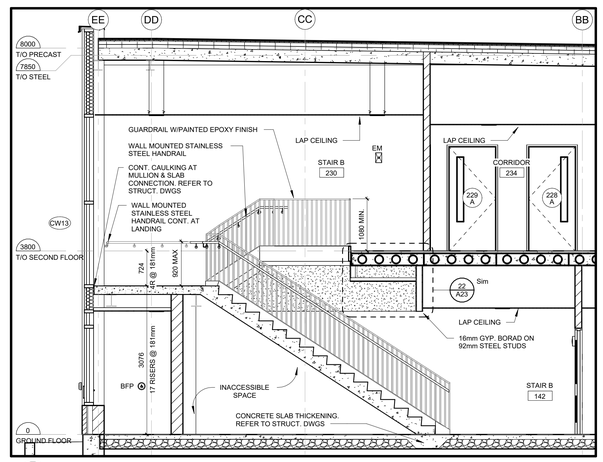
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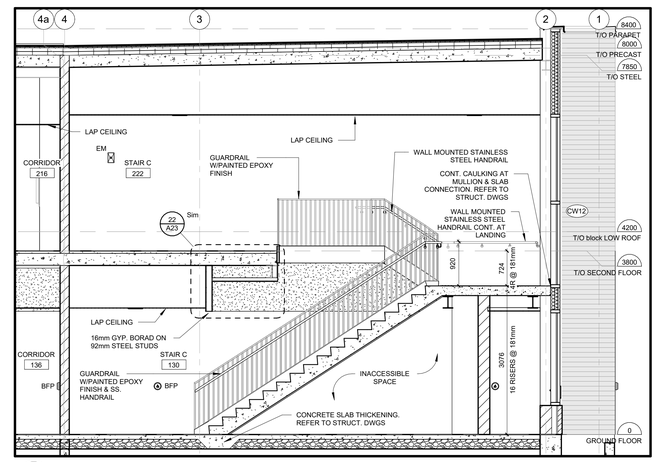
1 A22 *STAIR A - SECTION 1*
SCALE: 1 : 50



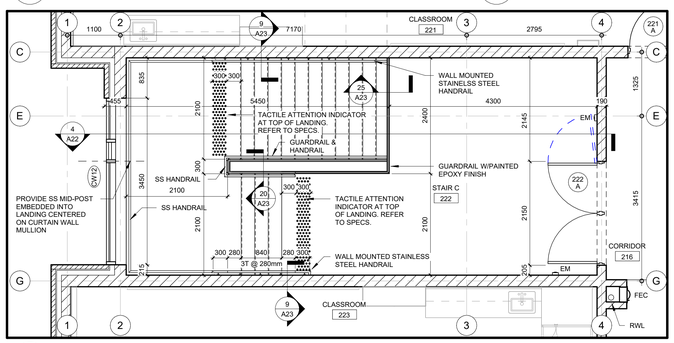
2 A22 *STAIR A - SECTION 2*
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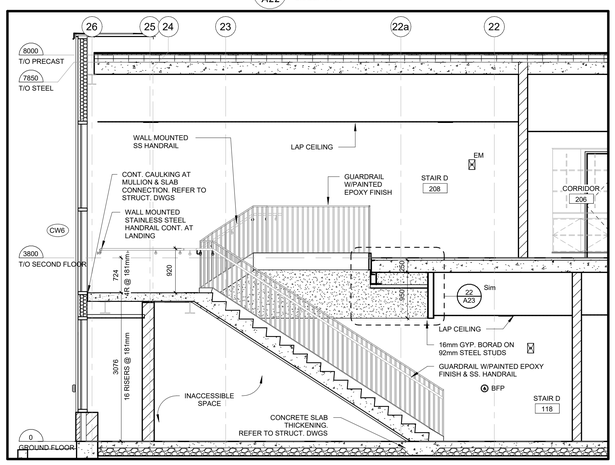
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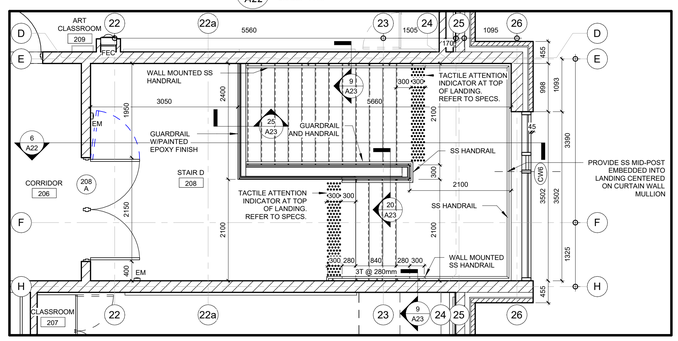
4 A22 *STAIR C - SECTION*
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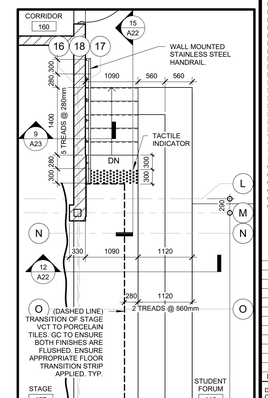
5 A22 *STAIR C - SECOND FLOOR PLAN*
SCALE: 1 : 50

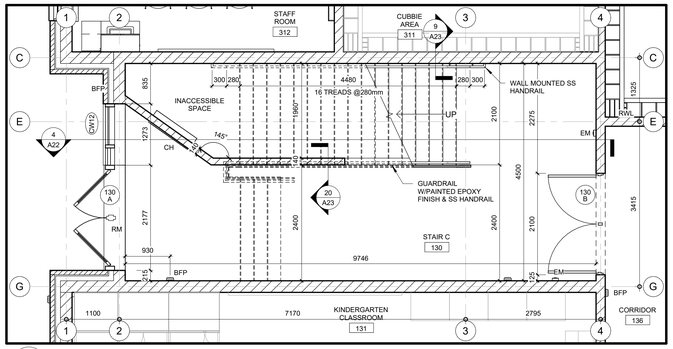


6 A22 *STAIR D - SECTION*
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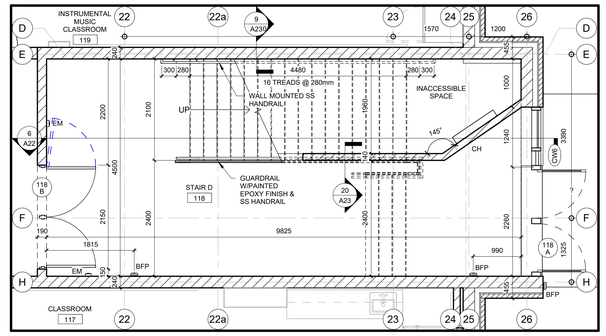


7 A22 *STAIR D - SECOND FLOOR PLAN*
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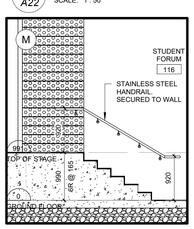




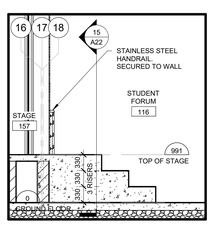
8 A22 *STAIR C - GROUND FLOOR PLAN*
SCALE: 1 : 50



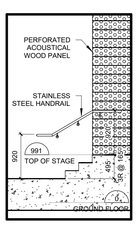
10 A22 *STAIR D - GROUND FLOOR PLAN*
SCALE: 1 : 50



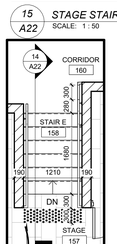
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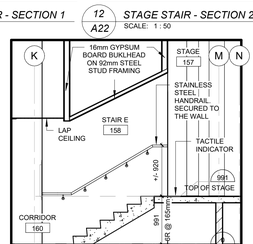
12 A22 *STAGE STAIR - SECTION 2*
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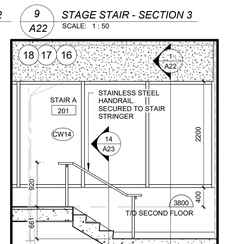
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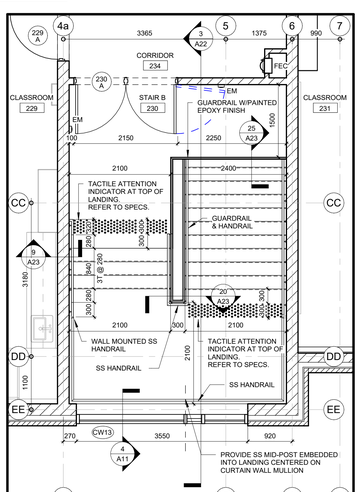
13 A22 *STAIR E AT STAGE*
SCALE: 1 : 50



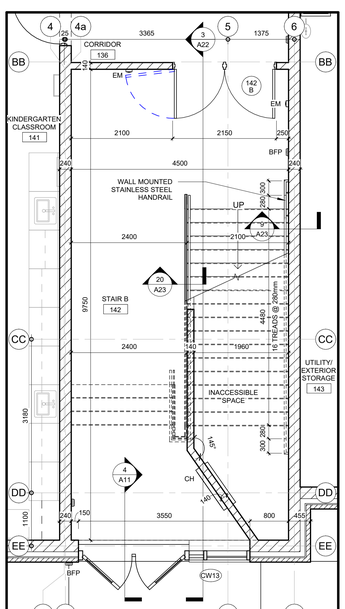
14 A22 *STAIR E - SECTION*
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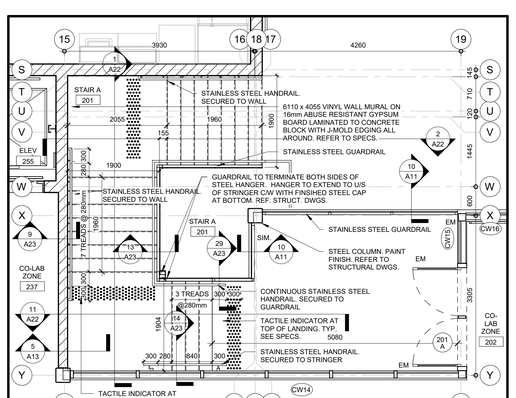
11 A22 *STAIR A - SECTION 3*
SCALE: 1 : 50



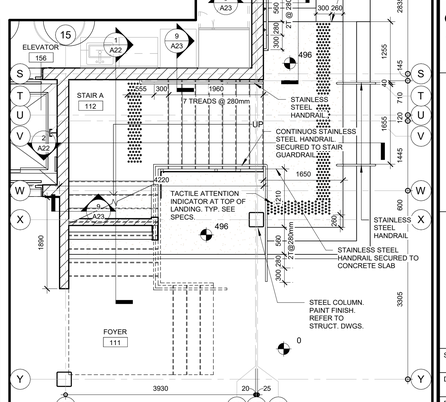
16 A22 *STAIR B - SECOND FLOOR PLAN*
SCALE: 1 : 50



17 A22 *STAIR B - GROUND FLOOR PLAN*
SCALE: 1 : 50



18 A22 *STAIR A - SECOND FLOOR PLAN*
SCALE: 1 : 50



19 A22 *STAIR A - GROUND FLOOR PLAN*
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
AD	ARCHITECTURAL DETAILS
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BD	BOARD
BF	BOTTLE FILLER
BF	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)
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CHT	CHANGE TABLE STATION REFER TO SPEC
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FEC	FIRE EXTINGUISHER CABINET
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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
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
LKRS	LOCKERS
M	MIRROR
ML	LONG MIRROR
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
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REINF	REINFORCING
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RWL	RAIN WATER LEADER
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TD	TOILET PAPER DISPENSER
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TWB	TOWEL BAR
VFS	VERTICAL FIRESTOP
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WC	WINDOW COVERINGS REFER TO SPECS
WD	WASHER/ DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

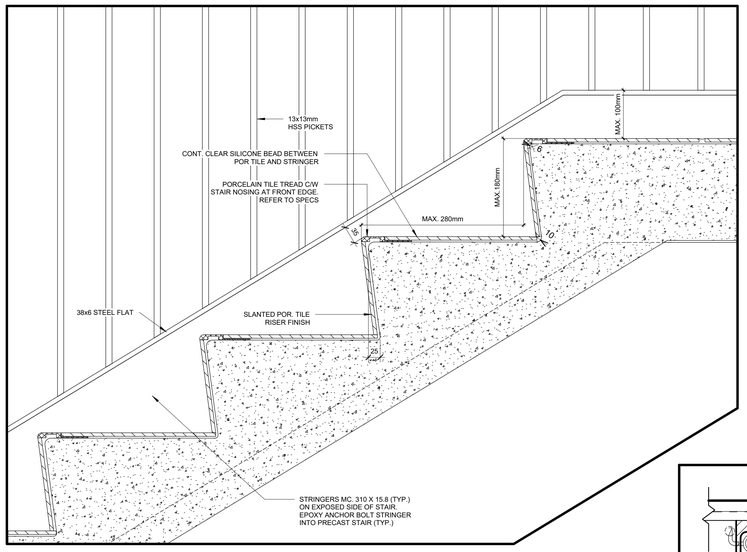
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

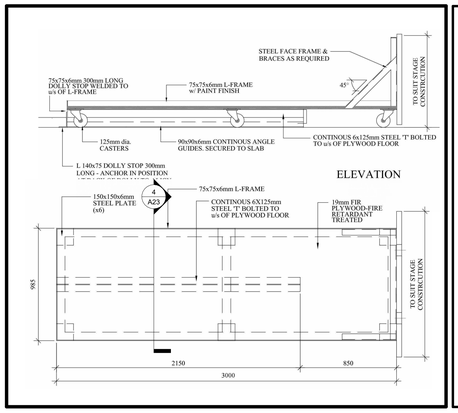
STAIR PLANS AND DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3Y8
(905) 815-8284 admin@hossacharch.com

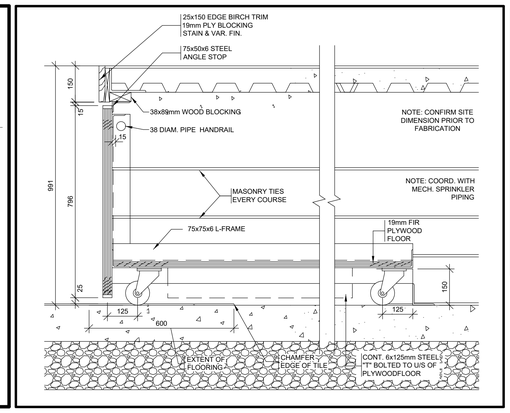
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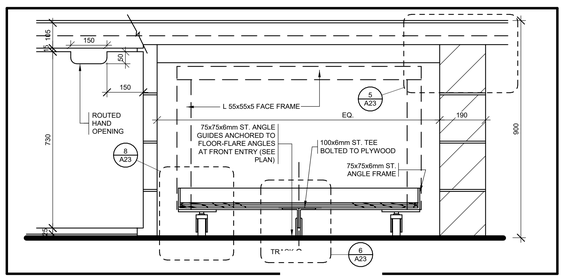
1 A23 STAIR DETAIL - STAIR TREAD AND RISER
SCALE: 1 : 5



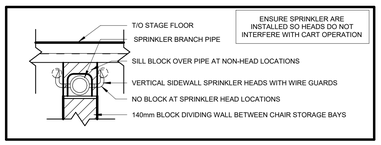
2 A23 CHAIR DOLLY CONSTRUCTION DETAILS
SCALE: 1 : 20



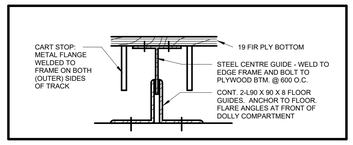
3 A23 STAGE SECTION DETAIL
SCALE: 1 : 10



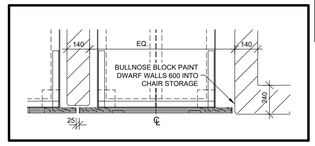
4 A23 STAGE STORAGE DOLLY SECTION DETAIL
SCALE: 1 : 10



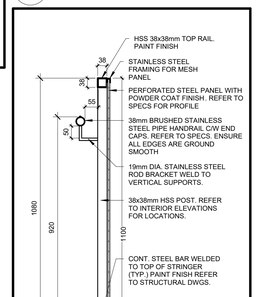
5 A23 SPRINKLER DETAIL AT CHAIR DOLLY STORAGE DIVIDING WALL
SCALE: 1 : 10



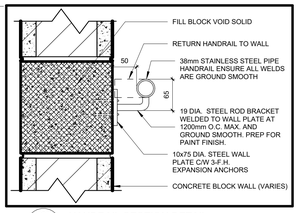
6 A23 CENTRE GUIDE DETAIL
SCALE: 1 : 5



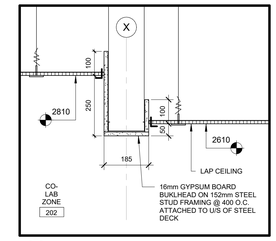
7 A23 ENLARGED CHAIR STORAGE PLAN DETAIL
SCALE: 1 : 20



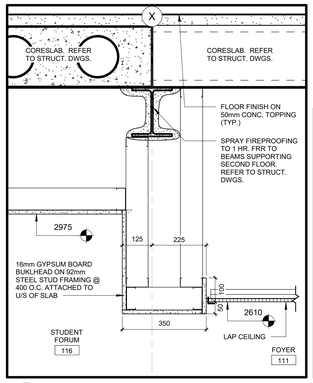
8 A23 CASTOR DETAIL
SCALE: 1 : 5



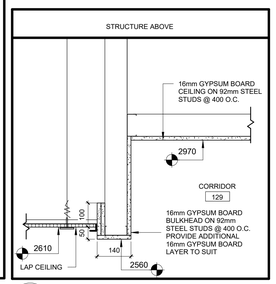
9 A23 HANDRAIL SECTION DETAIL
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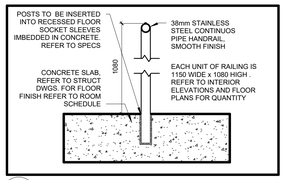
10 A23 TYP. GYP. BULKHEAD @ CO-LAB ZONE 202
SCALE: 1 : 10



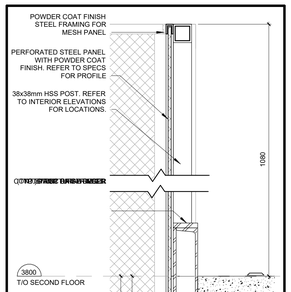
11 A23 GYP. BULKHEAD @ STUDENT FORUM AND FOYER
SCALE: 1 : 10



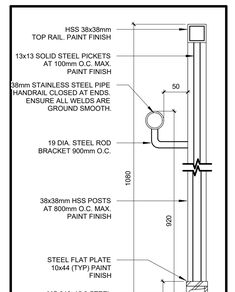
28 A23 GYP. BULKHEAD @ CORRIDOR 129
SCALE: 1 : 10



12 A23 STAGE REMOVABLE RAILING - SECTION
SCALE: 1 : 10

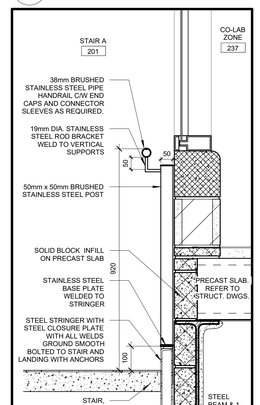


29 A23 GUARD @ FORUM STAIR TOP LANDING
SCALE: 1 : 5

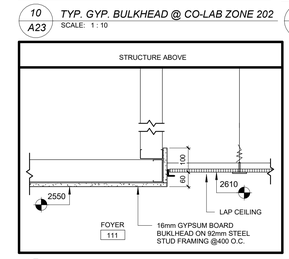


20 A23 GUARD & RAILING BULKHEAD DETAIL
SCALE: 1 : 5

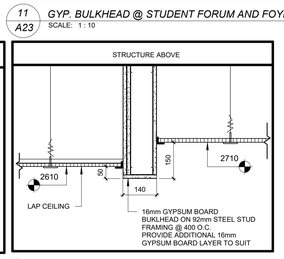
13 A23 RAILING DETAIL - STAIR A
SCALE: 1 : 10



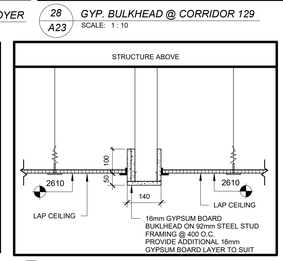
14 A23 HANDRAILING DETAIL - STAIR A
SCALE: 1 : 10



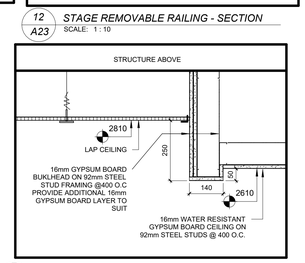
15 A23 TYP. GYP. BULKHEAD @ FOYER
SCALE: 1 : 10



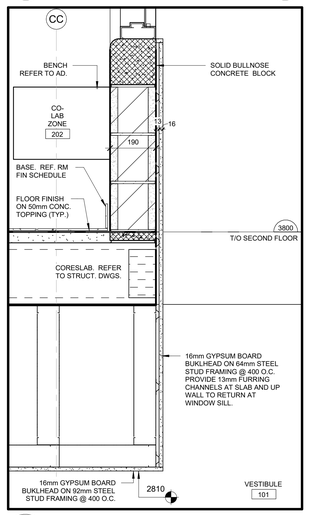
17 A23 TYP. GYP. BULKHEAD DETAIL @ CORR. NICHE
SCALE: 1 : 10



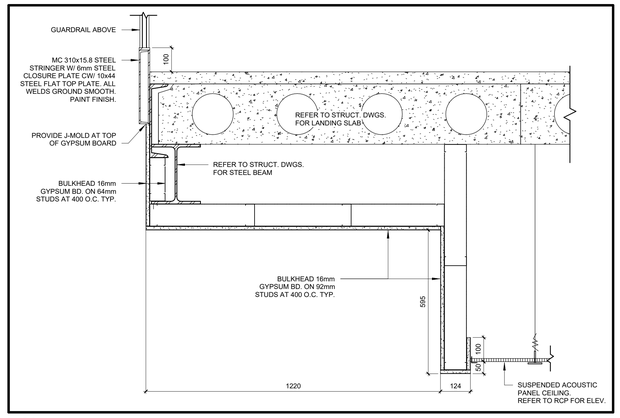
18 A23 TYP. GYP. BULKHEAD @ CORRIDORS
SCALE: 1 : 10



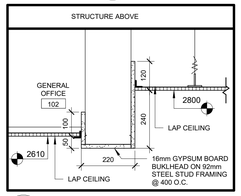
19 A23 TYP. GYP. BULKHEAD DETAIL @ CHILD CARE WR
SCALE: 1 : 10



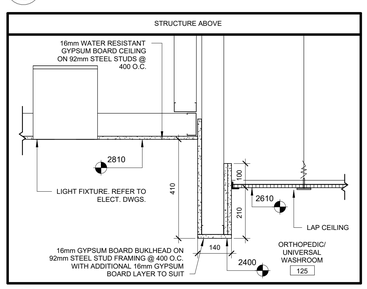
21 A23 GYP. BULKHEAD @ VESTIBULE 101
SCALE: 1 : 10



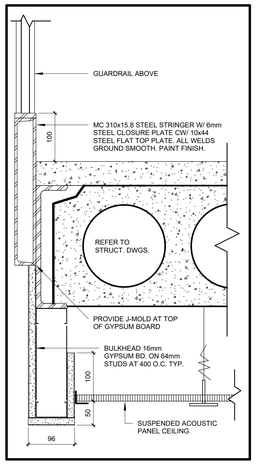
22 A23 TYPICAL GYP. BULKHEAD @ STAIRS
SCALE: 1 : 10



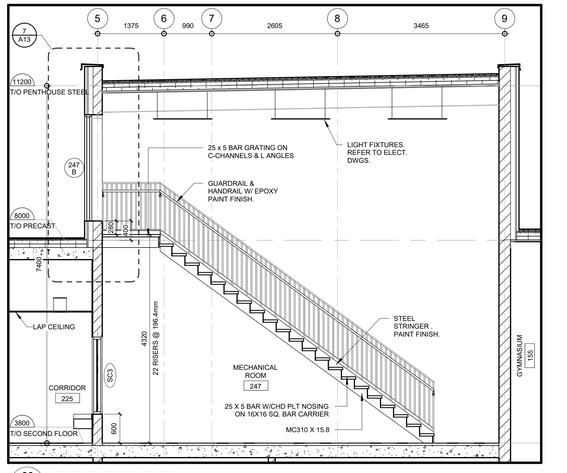
23 A23 GYP. BULKHEAD @ GENERAL OFFICE & CORRIDOR
SCALE: 1 : 10



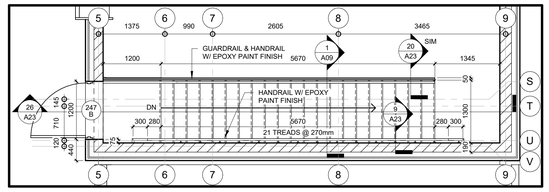
24 A23 SHOWER GYP. BULKHEAD DETAIL @ ORTHO/UNIV. WR
SCALE: 1 : 10



25 A23 GUARDRAIL & BULKHEAD @ PRECAST SLAB LANDING
SCALE: 1 : 5



26 A23 STAIR TO ROOF - SECTION
SCALE: 1 : 50



27 A23 MECHANICAL STAIRS TO ROOF - UPPER FLOOR
SCALE: 1 : 50

2	ISSUED FOR TENDER	6/19/26
1	ISSUED FOR BLDG PERMIT	10/15/25
NO.	DESCRIPTION	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.

ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

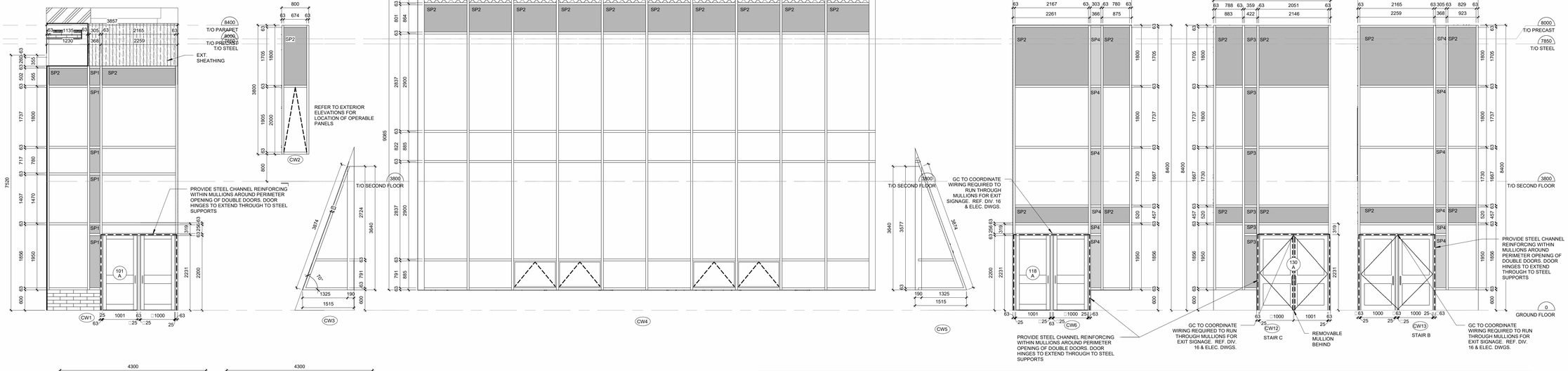
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

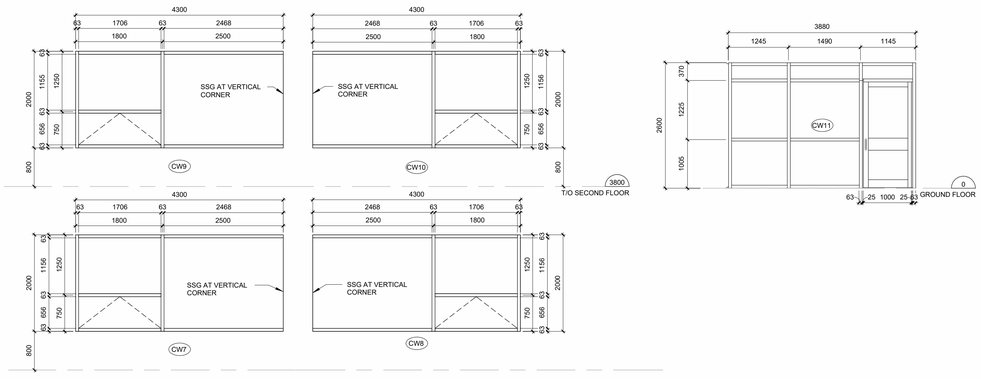
STAIR PLANS AND DETAILS

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

SCALE	PROJECT
As indicated	24112
DATE	
JUNE 2026	
DRAWN	DRAWING
Author	A23
CHECKED	
Checker	
PRINT DATE	6/22/2026 10:57:31 AM
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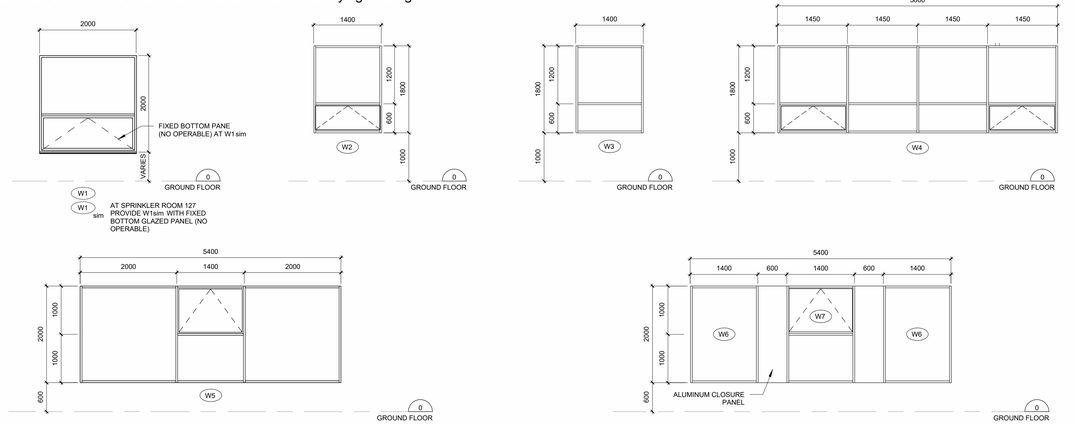
EXTERIOR CURTAIN WALLS



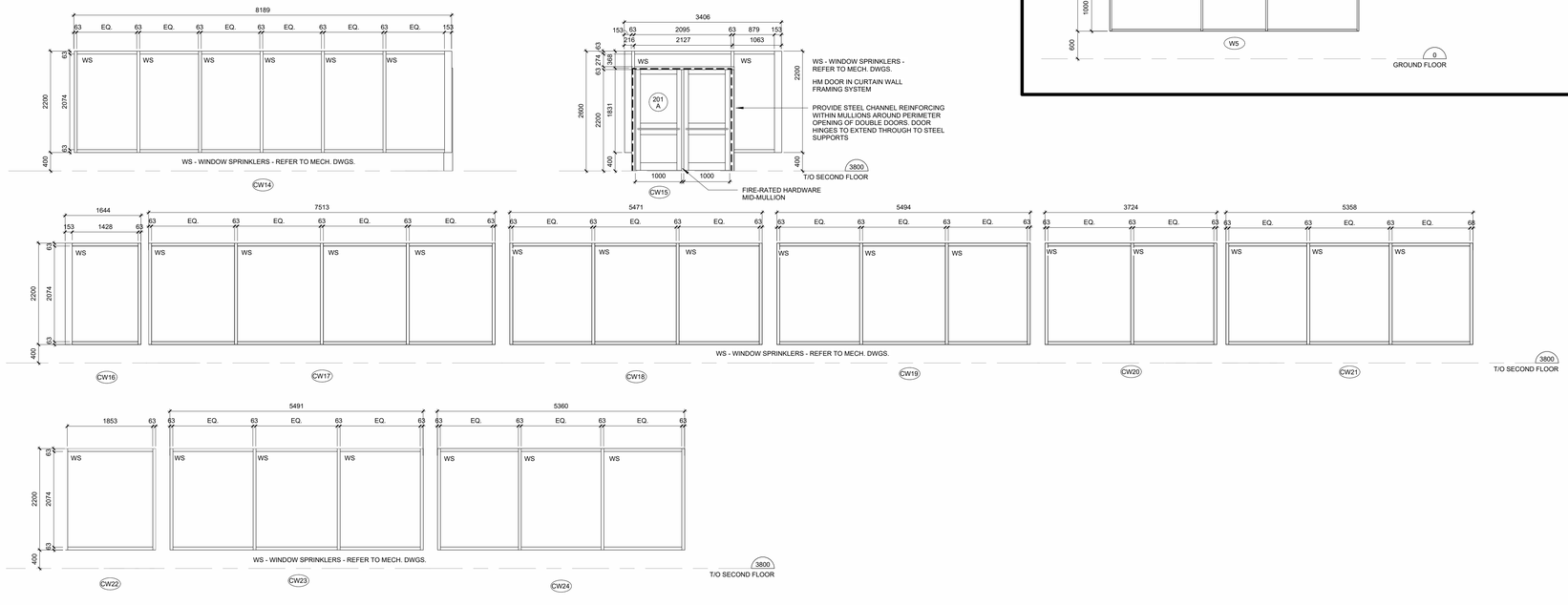


ALUMINUM WINDOWS

*Refer to Elevations and Wall Sections to coordinate varying sill heights



INTERIOR CURTAIN WALLS



NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDER	6/19/26

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice # 4292

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

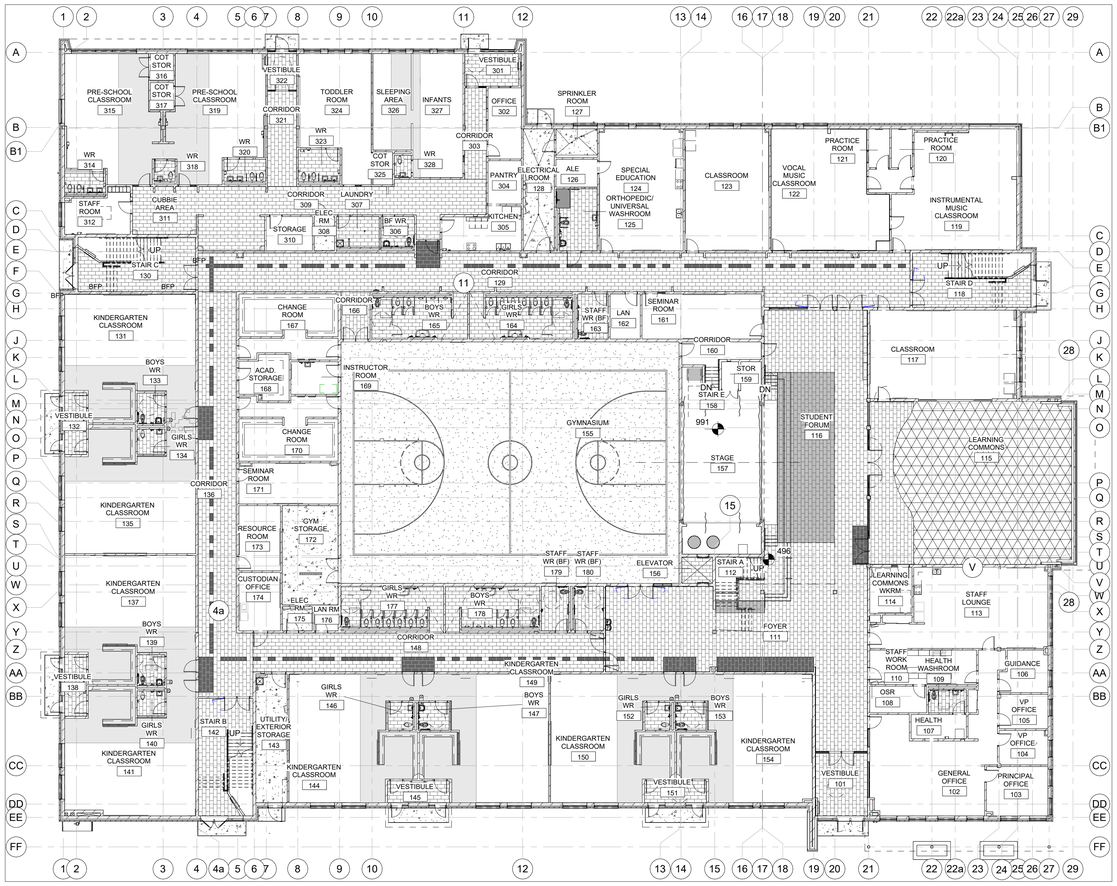
City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

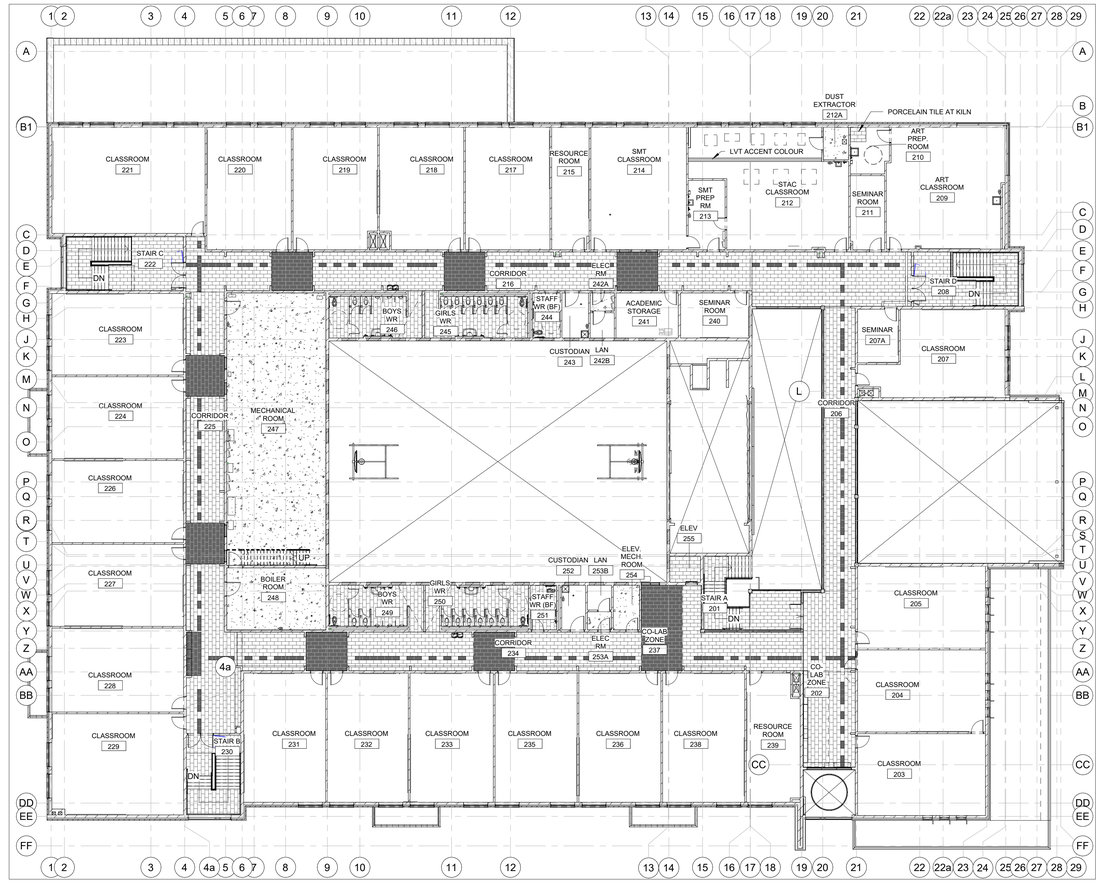
CURTAIN WALLS & WINDOWS SCHEDULE

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 819-6284 admin@hossackarch.com

SCALE	1 : 50
PROJECT	24112
DATE	JUNE 2026
DRAWN	Author
CHECKED	Checker
DRAWING	A24
PRINT DATE	6/22/2026 10:57:44 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT



1 A25 *GROUND FLOOR - FLOOR PATTERN*
SCALE: 1 : 200



2 A25 *SECOND FLOOR - FLOOR PATTERN*
SCALE: 1 : 200

FLOOR PATTERN LEGEND

- LVT 1
- LVT 2
- POR. 1
- POR. 2
- POR. 3
- CARPET TILE
- SHEET FLOORING
- CMT
- SEALED CONCRETE

REFER TO ROOM FINISH SCHEDULE FOR LOCATION OF MATERIALS

NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDER	6/19/26

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ONTARIO ASSOCIATION OF ARCHITECTS
JUNE 22/26
PRISCILLA LADOUCEUR
LICENCE
6053
Certificate of Practice # 4292

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

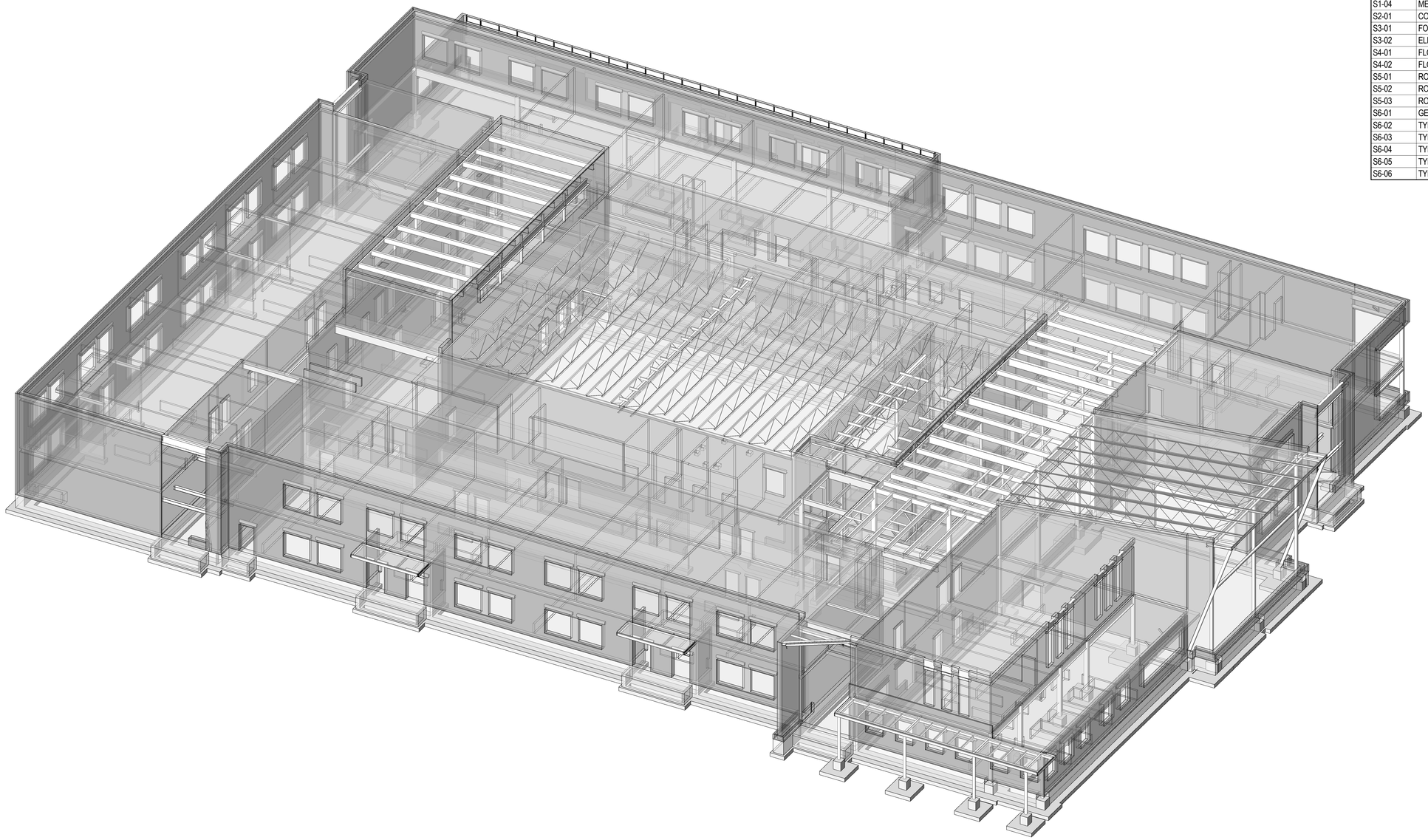
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

FLOOR PATTERN PLANS AND DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
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SCALE As indicated	PROJECT 24112
DATE JUNE 2026	
DRAWN Author	DRAWING A25
CHECKED Checker	
PRINT DATE	6/22/2026 10:57:52 AM
REVIT FILE	T:\2019\19114\02\Revit.RVT

DRAWING LIST	
Sheet Number	Sheet Name
S0-01	DESIGN CRITERIA NOTES
S0-02	PLAN NOTES, MISC SCHEDULES AND DETAILS
S1-01	FOUNDATION PLAN
S1-02	SECOND FLOOR / LOW ROOF FRAMING PLAN
S1-03	ROOF FRAMING PLAN
S1-04	MECHCANICAL PENTHOUSE ROOF FRAMING PLAN
S2-01	COLUMN SCHEDULE
S3-01	FOUNDATION SECTIONS
S3-02	ELEVATOR SECTIONS
S4-01	FLOOR SECTIONS
S4-02	FLOOR SECTIONS
S5-01	ROOF SECTIONS
S5-02	ROOF SECTIONS
S5-03	ROOF SECTIONS
S6-01	GENERAL NOTES AND TYPICAL DETAILS
S6-02	TYPICAL DETAILS
S6-03	TYPICAL DETAILS
S6-04	TYPICAL DETAILS
S6-05	TYPICAL DETAILS
S6-06	TYPICAL DETAILS



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5650 HURONTARIO STREET
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Tel (905) 890-1099 Fax (905) 890-9453

MAYFIELD WEST #2 PUBLIC SCHOOL

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
Stephenson Engineering, a company of Salas O'Brien

ENGINEERED FILL NOTES:

1. GENERAL

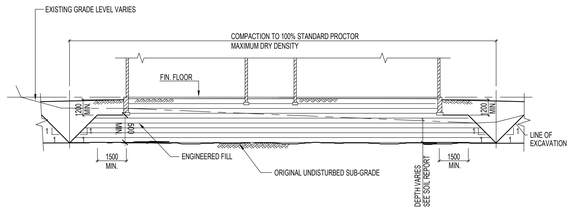
1.1. THE FOLLOWING ARE MINIMUM REQUIREMENTS FOR PLACING ENGINEERED FILL WITHIN THE BOUNDARIES OF THE BUILDING ENVELOPE AND EXTENDING BEYOND PERIMETER OF THE BUILDING FOUNDATIONS BY A MIN. OF **1500mm** AND SLOPING DOWNWARD TO THE SUB-GRADE, IN ALL DIRECTIONS, AT 45°.
1.2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL CONVENE A MEETING TO BE ATTENDED BY AT LEAST THE ARCHITECT, STEPHENSON ENGINEERING, THE SOIL CONSULTANT, THE GENERAL CONTRACTOR, AND THE EXCAVATION AND BACKFILLING CONTRACTOR. THE PURPOSE OF THIS MEETING IS TO ENSURE THAT ALL PARTIES UNDERSTAND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND TO DISCUSS PROCEDURES, TIMING, MATERIALS AND TESTING, ETC.
1.3. REFER ALSO TO THE SPECIFICATION, THE SOIL REPORT AND DIAGRAMMATIC SECTION.

2. MATERIALS

2.1. ALL MATERIAL TO BE USED AS FILL MUST BE IMPORTED GRANULAR 'B' MATERIAL AS APPROVED BY THE SOIL CONSULTANT.
2.2. THE LAYER IMMEDIATELY BELOW THE SLAB-ON-GRADE SHALL BE A MIN. OF **200mm, 19mm CLEAR CRUSHED STONE.**

3. EXECUTION

3.1. REMOVE AND DISPOSE OF ALL **EXISTING ORGANIC MATERIAL, FILL, AND CONTAMINATED MATERIAL** DOWN TO NATURAL UNDISTURBED, UN-CONTAMINATED SUB-GRADE. APPROXIMATE BASE OF NEW ENGINEERED FILL BASE WILL BE AS INDICATED IN THE BULK EXCAVATION PLAN (TO BE CONFIRMED ON SITE BY GEOTECHNICAL CONSULTANT).
3.2. THE SUB-GRADE SHALL BE PROOF ROLLED WITH HEAVY VIBRATORY EQUIPMENT TO MIN. **98%** STANDARD PROCTOR MAXIMUM DRY DENSITY.
3.3. ANY LOOSE OR SOFT SPOT SHALL BE SUB-EXCAVATED AND BACKFILLED WITH APPROVED COMPACTED MATERIAL.
3.4. FILL REQUIRED TO RAISE THE GRADES SHALL COMPRISE OF APPROVED IMPORTED GRANULAR 'A' OR GRANULAR 'B' MATERIAL PLACED IN SUCCESSIVE **200mm** LAYERS EACH COMPACTED TO AT LEAST **100%** STANDARD PROCTOR MAXIMUM DRY DENSITY.
3.5. THE LAYER IMMEDIATELY BELOW THE SLAB-ON-GRADE SHOULD BE A **200mm MIN. LAYER OF 19mm CLEAR STONE ROLLED AND COMPACT.**
3.6. ALL PROCEDURES, EQUIPMENT AND MATERIALS SHALL BE APPROVED BY THE SOIL CONSULTANT WHO SHALL BE ENGAGED "FULL TIME" TO SUPERVISE THIS WORK.
3.7. CONDITIONS AS OUTLINED IN THE CONTRACT DOCUMENTS ARE ASSUMED AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME THAT THE DOCUMENTS WERE PREPARED.
3.8. THE SOIL CONSULTANT SHALL ISSUE, VIA "E-MAIL", DAILY REPORTS OF THE WORK.
3.9. IF ANY ASPECT OF THE ACTUAL WORK IS NOT AS ASSUMED, THEN THE SOIL CONSULTANT SHALL ADVISE THE ARCHITECT IMMEDIATELY, BY TELEPHONE, BEFORE PROCEEDING.
3.10. NOTE THAT THE EXISTING ON-SITE MATERIAL IS NOT SUITABLE FOR BACKFILLING OF TRENCHES, ETC., OR AGAINST FOUNDATION WALLS.
3.11. FOR AREAS UNDER DRIVEWAYS AND PARKING ETC., OUTSIDE BUILDING ENVELOPE, REFER TO SPECIFICATION AND SOIL REPORT.



DIAGRAMMATIC SECTION THROUGH THE BUILDING SHOWING PROPOSED ENGINEERED FILL

N.T.S.

(REFER TO ENGINEERED FILL NOTES ON THIS DRAWING)

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, PRECAST AND STAIR 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).
1.3.4. DESIGN ALL STAIRS TO SUPPORT A MINIMUM LIVE LOAD OF 4.8kPa.
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.
2.1.1. HOLLOW CORE SLABS SHALL BE DESIGNED TO MEET THE FIRE RATING AS NOTED ON THE ARCHITECTURAL DRAWINGS.

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) = 0.44 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 = 368 kN (EAST-WEST DIRECTION)
WIND BASE SHEAR = 467 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 = X760 (REFER TO GEOTECHNICAL REPORT)
THE EARTHQUAKE SEISMIC CATEGORY AS PER OBC TABLE 4.1.8.5.-B = SC2 (I_ES(0.2) = 0.233)
Sa(0.2) = 0.179 Sa(5.0)= 0.00628
Sa(0.5) = 0.0973 Sa(10.0) = 0.00236
Sa(1.0) = 0.0529 PGA= 0.0563
Sa(2.0) = 0.0238
SFRS CONSISTS OF: MASONRY - CONVENTIONAL CONSTRUCTION: SHEAR WALLS AND CORRESPONDING DUCTILITY-RELATED MODIFICATION FACTORS ARE:
Rd = 1.5 Ro = 1.5
STRUCTURAL IRREGULARITIES CONSIDERED IN THE DESIGN PER OBC CLAUSE 4.1.8.6. CONSIST OF TYPES: NONE
METHOD OF LATERAL ANALYSIS: STATIC
3.2.2 BASE SHEARS
EARTHQUAKE BASE SHEAR = 2634 kN (EAST-WEST DIRECTION)
EARTHQUAKE BASE SHEAR = 2571 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: K = 0.45
Wt = 21.0 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 FLOOR/ROOF PLANS, NOTES, AND/OR LOADING SCHEDULES FOR DESIGN SUPERIMPOSED DEAD AND LIVE LOADING ASSUMPTIONS.

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 = 2.2 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.

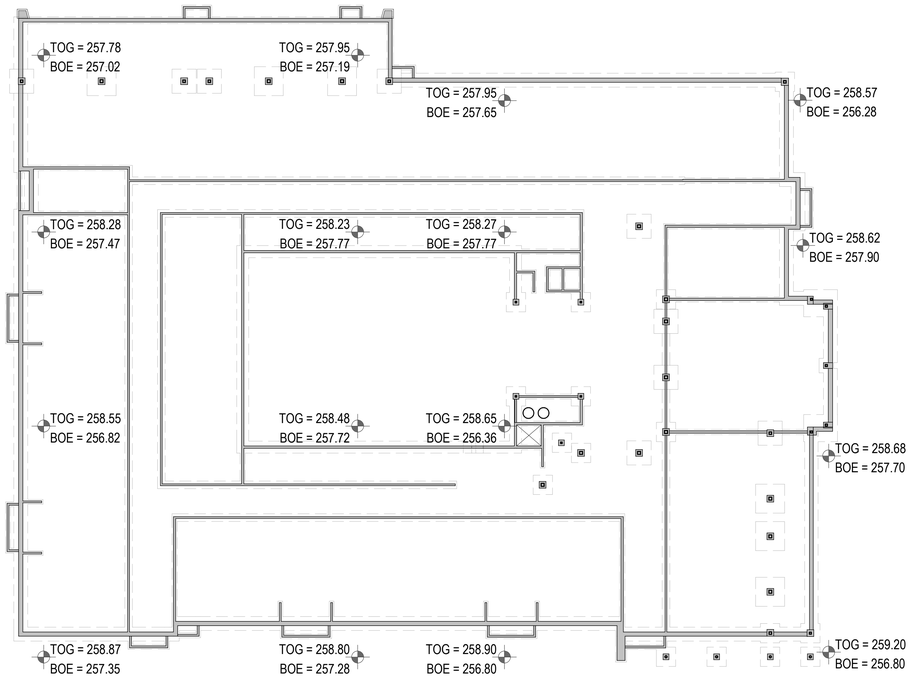
5.2 RAIN LOADING
5.2.2 THE BUILDING ROOF STRUCTURE HAS BEEN DESIGNED ON THE ASSUMPTION THAT FLOW CONTROL ROOF DRAINS SATISFY ALL REQUIREMENTS OF THE 2020 NATIONAL PLUMBING CODE OF CANADA.
5.2.2 THE TOTAL RAIN LOAD ASSOCIATED WITH THE ONE DAY (24 HR) RAINFALL IN ACCORDANCE WITH CLAUSE 4.1.6.4.(1) OF NBC 2020 AND COMMENTARY H IN USER'S GUIDE - NBC 2020 STRUCTURAL COMMENTARIES (PART 4 OF DIVISION B) IS: ONE DAY RAIN (1/50) = 119 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:

MEMBER TYPE	DEFLECTION COMPONENT	DEFLECTION LIMIT
REINFORCED CONCRETE MEMBERS		
FLAT ROOFS NOT SUPPORTING OR ATTACHED TO NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS	IMMEDIATE DEFLECTION DUE TO SPECIFIED LIVE LOAD OR SNOW LOAD	L/180
FLOORS NOT SUPPORTING OR ATTACHED TO NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS	IMMEDIATE DEFLECTION DUE TO SPECIFIED LIVE LOAD	L/360
ROOF OR FLOOR CONSTRUCTION SUPPORTING OR ATTACHED TO NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS	PORTION OF TOTAL DEFLECTION OCCURRING AFTER ATTACHMENT OF NON-STRUCTURAL ELEMENTS	L/480
ROOF OR FLOOR CONSTRUCTION NOT SUPPORTING OR ATTACHED TO NON-STRUCTURAL ELEMENTS LIKELY TO BE DAMAGED BY LARGE DEFLECTIONS	PORTION OF TOTAL DEFLECTION OCCURRING AFTER ATTACHMENT OF NON-STRUCTURAL ELEMENTS	L/240
STRUCTURAL STEEL MEMBERS		
FLOOR MEMBERS	LIVE	L/360
FLOOR MEMBERS	TOTAL = DEAD + LIVE (MINUS CAMBER)	L/300
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

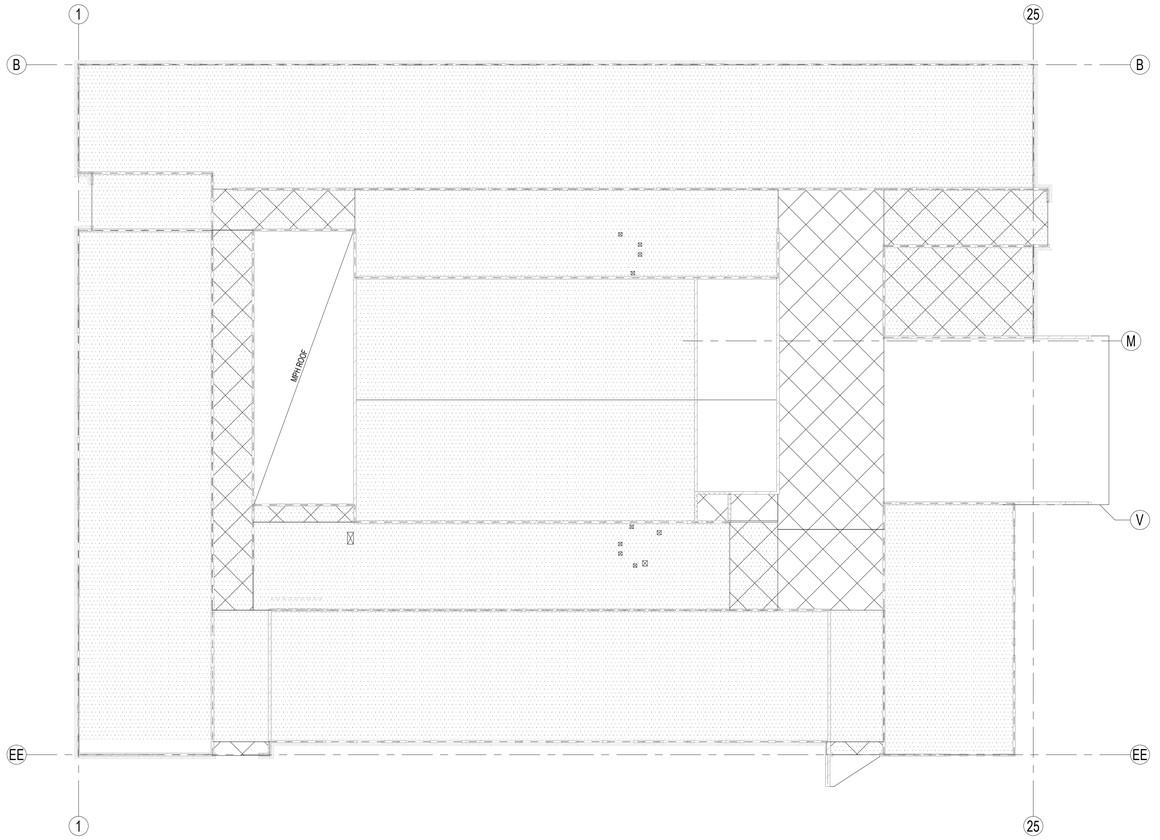
6.2 PERIMETER OR SPANDREL ELEMENTS SUPPORTING CLADDING HAVE BEEN DESIGNED FOR AN ALLOWABLE DEFLECTION OF 1/480, OR [ ] mm, WHICHEVER IS LESS.
6.3 THE BUILDING STRUCTURE HAS BEEN DESIGNED SUCH THAT THE TOTAL DRIFT PER STOREY UNDER SERVICE WIND AND GRAVITY LOADS DOES NOT EXCEED 1/500 OF THE STOREY HEIGHT.
645 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.



BULK EXCAVATION PLAN

NTS

TOG = TOP OF EXISTING GRADE
BOE = BOTTOM OF EXCAVATION



FUTURE LOADING PLAN

1 : 200

1. SEE DRAWING S0-02 FOR NOTES AND SCHEDULES.

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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
26-06-17
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
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LEGAL DESCRIPTION
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REGISTERED PLAN 43M-2114

TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
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DESIGN CRITERIA NOTES

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

SCALE	As indicated
DATE	JUNE 2026
DRAWN	AE
CHECKED	JG
PROJECT	20241729
DRAWING	S0-01
PRINT DATE	2026-06-11 11:10:02 AM
REVIT FILE	

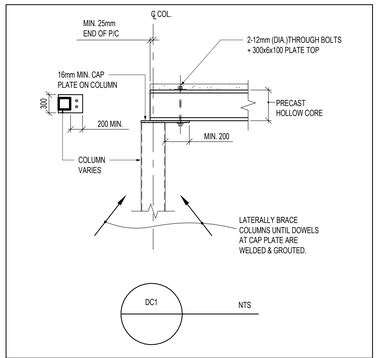
FOUNDATION PLAN NOTES

1. ALL FOOTINGS SHALL BE FOUNDED ON NEW ENGINEERED FILL CAPABLE OF SUSTAINING 150 kPa (SLS) AND 225 kPa (ULS).
2. REFER TO SOILS REPORT NO. 7460 DATED FEB. 28, 2025 PREPARED BY FOR FORWARD ENGINEERS & ASSOCIATES INC.
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, 259.80m EXCEPT AS CROSSED AND NOTED. TOS = TOP OF SLAB.
7. CENTRELINES OF COLUMNS, CAPS AND FOOTINGS ARE CONCIDENT 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 MIX SCHEDULE.
16. REFER TO ENGINEERED FILL NOTES ON DRAWING S0-01.

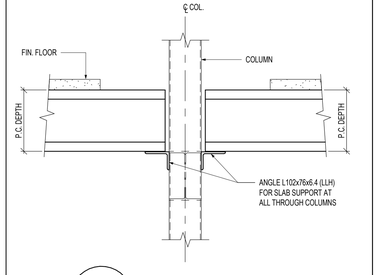
CONCRETE MIX SCHEDULE

EXPOSURE	ELEMENT	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS (MP[1])	EXPOSURE CLASSIFICATION	NOTES
GENERAL NON-EXPOSED CONCRETE (i.e., NOT EXPOSED TO CHLORIDES NOR FREEZE AND THAW)	FOOTINGS	25	N	
	COLUMNS		N	
	SLAB ON GRADE [2]	25	N	
	SLAB ON METAL DECK	25	N	
	LEAN MIX	5	N	
	FLOATING SLABS	25	N	
	HOUSEKEEPING PADS	25	N	
	TOPPINGS	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	
	SLAB ON GRADE [2] SIDEWALKS	32	C-2	
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



TYPICAL AT TOPS OF ALL EXTERIOR COLUMNS SUPPORTING PRECAST



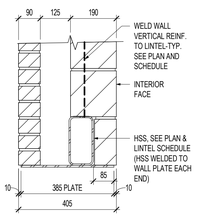
FOR PRECAST SLAB SUPPORT AT ALL "THROUGH COLUMNS"

PRCAST FLOOR / LOW ROOF PLAN NOTES

1. TOP OF PRECAST SLAB TO BE -50mm BELOW FINISHED FLOOR DATUM, ELEVATION 3800mm, EXCEPT AS CROSSED AND NOTED. T.O.S = TOP OF SLAB.
2. TOPS OF STEEL BEAMS TO BE AT UNDERSIDE OF PRECAST SLABS (-304mm), EXCEPT AS SHOWN THUS ON (A) PLAN.
3. REFER TO FLOOR LOADING SCHEDULES ON THIS DRAWING. HOLLOWCORE SLABS SHALL BE DESIGNED TO SUPPORT THE SPECIFIED DEAD AND LIVE LOADS AND IN ADDITION SHALL SUPPORT MASONRY PARTITION LOADS. (CO-ORDINATE WITH ARCHITECTURAL DRAWINGS AND LOADING SCHEDULE).
4. HOLLOWCORE SLABS SHALL HAVE A FIRE RATING OF 2 HOURS.
5. SUBMIT DETAILS FOR ALL OPENINGS, OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS, TO THE STRUCTURAL CONSULTANT FOR REVIEW.
6. LOCATIONS OF MECHANICAL EQUIPMENT AND MECHANICAL EQUIPMENT LOADS ARE TO BE CONFIRMED BY THE MECHANICAL CONTRACTOR BEFORE PROCEEDING.
7. AN INDEPENDENT INSPECTION AND TESTING COMPANY IS TO INSPECT STRUCTURAL STEEL IN THE SHOP AND IN THE FIELD FOR WELDING, CONNECTIONS, BOLT TORQUES, AND GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
8. NON - LOAD BEARING PARTITIONS SHALL BE A MINIMUM OF 25 mm CLEAR OF STRUCTURE.
9. WALL PLATES (WP) SHALL HAVE LAST DIMENSION PARALLEL TO BEAM OR JOIST WEB. SEE WALL PLATES SCHEDULE.
10. SEE LINTEL SCHEDULE ON THIS DRAWING.
11. THE PROJECT SUPERINTENDENT MUST CONTACT THIS OFFICE 24 HOURS PRIOR TO PLACING STRUCTURAL CONCRETE FOR A REVIEW OF PREPARATIONS.
12. SEE TYPICAL NOTES, TYPICAL DETAILS, COLUMN SCHEDULE AND ALL OTHER DRAWINGS.
13. PROVIDE A MAXIMUM 50mm BONDED, NON - COMPOSITE TOPPING SLAB ON PRECAST HOLLOWCORE SLABS, UNLESS OTHERWISE NOTED. TOP SURFACE IS TO BE FLAT (SEE SPECIFICATION FOR PREPARATION).
14. PARTITIONS ABOVE PRECAST HOLLOWCORE SLABS ARE TO BE CONSTRUCTED BEFORE TOPPING IS PLACED.
15. FOR CONCRETE BASE AT LOCKERS, SEE ARCHITECTURAL DRAWINGS.
16. PROVIDE 100 mm HOUSE KEEPING PADS IN MECHANICAL ROOM (SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION) REINF: 10M@300 EACH WAY.
17. PROVIDE MIN 100X100 CURBS AROUND ALL OPENINGS AND AT DOORS IN MECHANICAL ROOM FLOOR. REINF: 10M@300 DOWELS FROM BASE SLAB + 1-10M CONT. (REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS).
18. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING OF BEAMS AND COLUMNS.
19. REFER TO CONCRETE MIX SCHEDULE ON THIS DRAWING.
20. IF ANY ASPECT OF THE PRECAST HOLLOWCORE SLAB CONSTRUCTION, PROPOSED BY THE CONTRACTOR FOR USE ON THIS PROJECT, VARIES FROM THAT SHOWN ON THE TENDER DRAWINGS AND THE VARIATION REQUIRES THE RE-DESIGN OF THE BASE BUILDING ELEMENTS AND/OR THE REVISION TO OR ADDITION OF MATERIALS TO ACCOMMODATE SUCH VARIANCE AND THE OWNER, THE ARCHITECT AND THE STRUCTURAL CONSULTANT ARE IN AGREEMENT WITH THE PROPOSED VARIATION, THEN THE CONTRACTOR REQUESTING THE VARIATION SHALL PAY FOR ALL EXTRA COSTS, INCLUDING RE-DESIGN, ASSOCIATED WITH THE CHANGE.

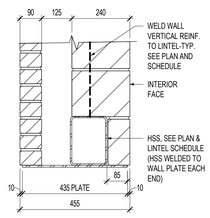
PRECAST ROOF PLAN NOTES

1. TOP OF CONCRETE SLABS AND STEEL DECK IS TO BE SLOPED TO DRAIN AS SHOWN ON ARCHITECTURAL DRAWINGS.
2. TOPS OF STEEL BEAMS TO BE AT UNDERSIDE OF PRECAST SLABS EXCEPT AS NOTED. (SLOPE AS REQUIRED.)
3. DEAD LOAD - SEE ROOF LOADING SCHEDULE.
4. SNOW LOAD IS AS INDICATED IN ROOF LOADING SCHEDULE IN ADDITION THE ROOF HAS BEEN DESIGNED FOR ACCUMULATED SNOW LOAD (ASL) AND LOADS DUE TO WATER RETENSION IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE.
5. PRECAST SLABS TO BE DESIGNED TO SUPPORT SPECIFIED DEAD AND SNOW LOADS.
6. PRECAST SLABS SHALL HAVE A FIRE RATING OF 2-HOURS.
7. LOCATION OF MECHANICAL EQUIPMENT AND MECHANICAL EQUIPMENT LOADS ARE TO BE CONFIRMED BY MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWINGS. MECHANICAL EQUIPMENT AND PIPING MUST BE HUNG FROM OWSJ PANEL POINTS AND HANGER SPACING SHALL NOT EXCEED 3.0 m.
8. SUBMIT DETAILS FOR ALL OPENINGS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS TO STRUCTURAL CONSULTANT FOR REVIEW.
9. 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 TORQUE'S AND GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
10. NON-LOAD BEARING PARTITIONS SHALL BE A MINIMUM OF 25 mm CLEAR OF STRUCTURE.
11. WALL PLATES (WP) SHALL HAVE LAST DIMENSION PARALLEL TO BEAM OR JOIST WEB, SEE SCHEDULE ON DRAWINGS.
12. SEE ROOF LINTEL SCHEDULE AND WALL PLATE SCHEDULE ON S0-02
13. SEE TYPICAL NOTES, TYPICAL DETAILS, COLUMN AND FOOTING SCHEDULE AND ALL OTHER DRAWINGS.
14. SEE SPECIFICATION FOR GRADE OF STRUCTURAL STEEL AND STEEL DECK.



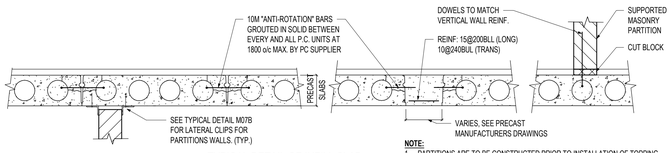
NOTE:
BOTTOM PLATES TO TERMINATE 10mm CLEAR OF SUPPORTING MASONRY-VERIFYWITH ARCH.

DL1 DETAIL
S0-02 1 : 10



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

DL2 DETAIL
S0-02 1 : 10



GENERAL CONTRACTOR TO COORDINATE ALL EXTENTS AND DIMENSIONS OF NON-LOAD BEARING MASONRY WALLS WITH THE ARCHITECTURAL DRAWINGS AND RESPECTIVE SUB-TRADES. STRUCTURAL DRAWINGS DO NOT SHOWILLUSTRATE THE FULL EXTENT OF NON-LOAD BEARING MASONRY WALLS.

TYPICAL DETAIL OF INFILL SLAB
SEE P.C. MANUFACTURER'S DRAWINGS FOR LOCATION AND QUANTITY (SEE ALSO SPECIFICATION) P.C. MANUFACTURER TO SUPPLY REINFORCING BARS AND CONCRETE

DAB1
S0-02
NTS

NOTE:
1. PARTITIONS ARE TO BE CONSTRUCTED PRIOR TO INSTALLATION OF TOPPING.
2. SEE ALSO FLOOR LOADING SCHEDULE.
3. IF BLOCK PARTITIONS ARE INSTALLED AFTER TOPPING IS POURED. GENERAL CONTRACTOR TO NOTE AND COORDINATE THE AFFECT OF POST PARTITION ERECTION ON THE CAMBER OF THE PRECAST SLABS. IN ADDITION, DOWELS MUST BE PROVIDED FROM PRECAST SLAB INTO WALL ABOVE MIN. 10M@1200 U.N.O. IN NOTES SCHEDULES, TYPICAL DETAILS ETC.

PRECAST FLOOR LOADING SCHEDULE

ROOF USE \ LOADING	SUPERIMPOSED DEAD LOAD (kPa)	LIVE LOAD (kPa)
CLASSROOM ★	1.54	2.4
CORRIDOR / STAIRS ★	1.8	4.8
MECHANICAL ROOM ★	3.6	6.0
STORAGE ROOMS / KITCHENETTE / ★	1.54	4.8
LOW ROOF AREA	1.06	2.55 +ASL

★ - **AS NOTED ON SCHEDULE**
HOLLOWCORE SLABS SHALL BE DESIGNED TO RESIST THE UNIFORM LOADING ABOVE AND IN ADDITION SHALL SUPPORT MASONRY PARTITION LOADS.
(CO-ORDINATE WITH ARCHITECTURAL DRAWINGS).
140 PARTITION, 6.0kN/m AND 190 PARTITIONS, 7.3kN/m

STEEL ROOF LOADING SCHEDULE

ROOF USE \ LOADING	SUPERIMPOSED DEAD LOAD (kPa)	SNOW LOAD (kPa)	FUTURE LIVE LOAD ALLOWANCE (kPa)
GENERAL/GYM ROOF	1.21	2.55 +ASL	1.20
CORRIDOR ROOF	1.26	2.55 +ASL	1.20
MECHANICAL ROOF	1.76	2.55 +ASL	

IN ADDITION TO UNIFORM LOADING SHOWN, REFER TO ROOF PLAN FOR ADDITIONAL LOADING FOR ACCUMULATED SNOW LOADS (ASL) AS SHOWN, 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 2kN AT ANY LOCATION.

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

= FUTURE LOADING (SEE DRAWING S0-01 PLAN FOR LOCATIONS)

PRECAST ROOF LOADING SCHEDULE

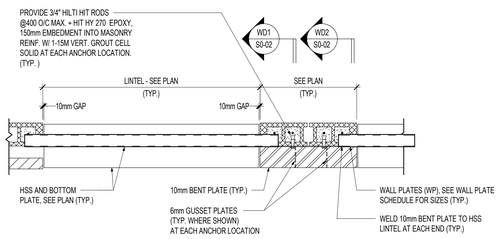
ROOF USE \ LOADING	SUPERIMPOSED DEAD LOAD (kPa)	SNOW LOAD (kPa)	LIVE LOAD (kPa)
GENERAL ROOF	1.10	2.55 + ASL	---
FUTURE LOADING ALLOWANCE ROOF	1.10	2.55 + ASL	1.20

IN ADDITION TO UNIFORM LOADING SHOWN, REFER TO ROOF PLAN FOR ADDITIONAL LOADING FOR ACCUMULATED SNOW LOADS (ASL) AS SHOWN, AND FOR POINT LOADS OF BRACING AND MECHANICAL EQUIPMENT.

NOTES:
1. ROOFING SINGLE PLY = 0.72 kPa HAS BEEN INCLUDED IN THE ABOVE TABLE
2. 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.
3. = FUTURE LOADING (SEE DRAWING S0-01 PLAN FOR LOCATIONS)

STEEL ROOF PLAN NOTES

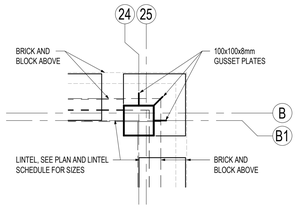
1. UNDERSIDE OF ROOF DECK AT PERIMETER AND HIGH POINTS TO BE 0.0mm BELOW ROOF DATUM ELEVATION +7850mm AT LOW POINTS, EXCEPT AS NOTED ON PLAN U.O.D. = UNDERSIDE OF DECK.
2. ROOF DECK TO SLOPE TO DRAINS AS SHOWN ON ARCHITECTURAL DRAWINGS.
3. TOP OF STEEL BEAMS SUPPORTING STEEL DECK ARE 0.0mm BELOW U.O.D. TOP OF STEEL BEAM SUPPORTING JOISTS ARE 150mm BELOW U.O.D EXCEPT AS SHOWN THUS (A) ON PLAN.
4. OWSJ SHOES TO BE 150mm DEEP UNLESS NOTED.
5. FOR LOADING SEE ROOF LOADING SCHEDULE ON THIS DRAWING.
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 2.0kN 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. "LJ" 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.



DP1 PLAN DETAIL
S0-02 1 : 20

WD1 SECTION
S0-02 1 : 20

WD2 SECTION
S0-02 1 : 20



DP2 PLAN DETAIL
S0-02 1 : 20

HANGER/BRACING SCHEDULE:
DB1 = C100x8 DIAG. BRACING
H1 = C100x8 HANGER
H2 = HSS 178x127x6.4 HANGER (IT = 40 kN)
NOTE:
SEE PLAN FOR LOCATIONS

MECHANICAL LINTEL SCHEDULE

LINTELS IN LOAD BEARING WALLS OVER MECHANICAL DUCTS ETC.

MARK	WALL THICKNESS	CLEAR SPAN	MATERIAL	TYPE	NOTES
ML1	190	200-550	175x8 PLATE	——	CAVITY WALLS EXTERIOR LINTELS TO BE GALVANIZED UNLESS NOTED
ML2	190	550-1220	2-L90x90x6		
ML3	240	200-550	225x8 PLATE	——	
ML4	240	550-1220	2-L100x100x8		
ML5	290	200-550	275x8 PLATE	——	
ML6	290	550-1220	3-L90x90x6		
ML7	190 + 90	200-550	175x8 PLATE + 80x8 PLATE	—— ——	
ML8	190 + 90	550-1220	2-L90x90x6 + 1-L90x90x6		
ML9	240 + 90	200-550	225x8 PLATE + 80x8 PLATE	—— ——	
ML10	240 + 90	550-1220	2-L100x100x8 + 1-L90x90x6		
ML11	290 + 90	200-550	275x8 PLATE + 80x8 PLATE	—— ——	
ML12	290 + 90	550-1220	3-L90x90x6 + 1-L90x90x6		

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

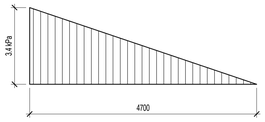
PROVIDE MECHANICAL LINTELS IN ACCORDANCE WITH TYPICAL DETAILS AND NOTES FOR ALL DUCTS AND PIPES PASSING THROUGH MASONRY WALLS

MASONRY CORE FILL SCHEDULE — M20

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.	
C5	t x 1200	6-15 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 CONTROL JOINTS U/N.
9. PROVIDE CORE FILL C4 AT ALL WALL CORNERS U/N OTHERWISE IN PLANS AND/OR SECTIONS.
10. PROVIDE TITEWALL BL-A CONTROL JOINT BY BLOK-LOK OR EQUIVALENT FOR ALL VERTICAL CONTROL JOINTS IN EXTERIOR MASONRY WALLS EXCEEDING 4m IN HEIGHT.
11. 190mm MASONRY WALL REINFORCING - 15M@800 O/C.
    240mm MASONRY WALL REINFORCING - 15M@600 O/C.
12. 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 ROOF TOP UNIT / SCREEN
ACCUMULATED SNOW LOAD DIAGRAM (ASL)

WALL PLATE SCHEDULE
(LAST DIMENSION PARALLEL TO WEB)

MARK	MATERIAL	REMARKS
WP1	180x15x180	(2)13Ø A.BOLTS x 150 LG.
WP2	180x15x250	(2)13Ø A.BOLTS x 150 LG.
WP3	180x25x350	(2)13Ø A.BOLTS x 1000 LG.
WP4	275x20x225	(2)13Ø A.BOLTS x 150 LG.
WP5	250x15x200	(2)13Ø A.BOLTS x 150 LG.

FLOOR LINTEL SCHEDULE

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

MARK	MATERIAL	TYPE	REMARKS
2L1	HSS 203x152x6.4 + 435x8mm BOTTOM PLATE		WP1 E.E.** SEE DL2/S1-01
2L2	HSS 203x102x6.4 + 385x8mm BOTTOM PLATE		WP1 E.E.** SEE DL1/S1-01
2L3	(2)-L127x89x7.9 (LLV)		
2L4	(2)-L102x102x7.9		
2L5	W200x27 + 170x8mm BOTTOM PLATE		WP1 E.E.** LINTEL CENTRED ON WALL
2L6	W200x27 + 220x8mm BOTTOM PLATE		WP5 E.E.** LINTEL CENTRED ON WALL
2L7	W410x39 + 220x8mm BOTTOM PLATE		WP4 E.E.** LINTEL CENTRED ON WALL
2L8	W410x67 + 385x8mm BOTTOM PLATE		WP2 E.E.**
2L9	W410x39 + 170x8mm BOTTOM PLATE		WP2 E.E.** LINTEL CENTRED ON WALL

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

** WELDED TO HSS EACH END.

LENGTHS MAY VARY

ROOF LINTEL SCHEDULE

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

MARK	MATERIAL	TYPE	REMARKS
RL1	HSS 203x102x6.4 + 385x8mm BOTTOM PLATE		WP1 E.E. ** SEE DL1/S1-01
RL2	(2)-L127x89x7.9 (LLV)		
RL3	(2)-L102x102x7.9		
RL4	W200x27 + 220x8mm BOTTOM PLATE		WP5 E.E.** LINTEL CENTRED ON WALL
RL5	HSS 127x127x6.4		
RL6	W410x39 + 280x8mm BOTTOM PLATE		BEAM CENTRED ON WALL
RL7	W410x39 + 330x8mm BOTTOM PLATE		BEAM CENTRED ON WALL

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

** WELDED TO HSS EACH END.

LENGTHS MAY VARY

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR

FOOTING SCHEDULE				
FOOTING NUMBER	FOOTING LENGTH	FOOTING WIDTH	FOOTING THICKNESS	FOOTING REINF. B.E.W. U/N
F1	2000	2000	300	5-15M HEE
F2	1500	1500	300	5-15M T&BEW HEE
F3	2500	2500	500	9-20M HEE
F4	3000	3000	500	8-25M HEE
F5	3500	2800	300	12-20M T&BEW HEE

FOOTING PROJECTION SCHEDULE	
FOOTINGS SHOWN THUS ON PLAN INDICATE 300mm FOOTING PROJECTION:- REINF. W/ 15@320B TRANS. & 3-15B LONG.	FOOTINGS SHOWN THUS ON PLAN INDICATE 500mm FOOTING PROJECTION:- REINF. W/ 15@200B TRANS. & 4-15B LONG.
NOTE: TRANS. REINF. HOOKED EACH END	

NOTE:
U/S OF FOOTINGS EL. 258.40m
TYPICAL U.N.O.

SLAB THICKENING UNDER BLOCK PARTITIONS ABOVE.
SEE ARCH. FOR LOCATIONS AND EXTENT. (TYP.)
-SEE TYPICAL DETAIL DWGS.
GENERAL CONTRACTOR TO COORDINATE ALL EXTENTS AND DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND RESPECTIVE SUB-TRADES. THE FOUNDATION PLAN DOES NOT SHOW / ILLUSTRATE THE FULL EXTENT OF NON-LOAD BEARING MASONRY WALLS.

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.

150 FROST SLABS (TYP.)
-SEE SECTION

INCOMING BURIED CONC. ELEC. DUCT BANK. SEE ELEC. DWGS (TYP.)

EL. 257.80

EL. 257.30

INCOMING STORM INVERT EL. 257.73

1ST STEP S.O.G. THICKENING. SEE TYPICAL DETAILS DWG. (TYP.)

HSS 203x203x6.4 SLANTED COLUMN

SEE SLAB-ON-GRADE TYPICAL DETAIL DRAWINGS FOR TYPICAL CONSTRUCTION JOINTS AND SAWCUT CONTROL JOINTS (TYPICAL)

HATCHING INDICATES 150mm S.O.G.

CONC. BUILD-UP STEPS REFER TO ARCH. DWGS FOR DETAILS (TYP.)

TOP OF 100mm SOG AT STAGE LEVEL

EL. 257.50

SEE SECTION F9/S3-01 FOR TOP OF CONCRETE WALL CONDITION AND REINF.

FIBREGLASS SUMP PITS -SEE MECH. DWGS FOR DETAILS

SUMP PITS -SEE MECH. DWGS FOR DETAILS

TOS -SEE SECTION

P1: NOTED ON PLAN:
HSS 152x152x6.4 +
(4)-AR2 ANCHORS RODS.
CONC. PIER 600x600
W/ 10-15M VERTS.
+ 10M@300 TIES.

INCOMING SAN. INVERT EL. 257.80

STORM INVERT EL. 258.00

150 FROST SLABS (TYP.)
-SEE SECTION

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

FOUNDATION PLAN
1 : 100

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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LICENSED PROFESSIONAL ENGINEER
26-06-17
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

FOUNDATION PLAN

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

SCALE	As indicated
PROJECT	20241729
DATE	JUNE 2026
DRAWN	AE
CHECKED	JG
DRAWING	S1-01
PRINT DATE	2026-06-11 11:10:04 AM
REVIT FILE	

NOTE:
ALL EXPOSED BLOCK INFILL TO MATCH BLOCK COURSING. REFER TO ARCHITECT DWGS.

AT 'ACOUSTIC BLOCK' LOCATIONS (SEE ARCHITECTURAL DRAWINGS) PROVIDE STANDARD MASONRY REINFORCING IN EVERY COURSE.

AT BASKETBALL BACKSTOPS CONNECTED TO WALLS (FOR LOCATIONS, REFER TO ARCH. DRAWINGS) PROVIDE 100% SOLID GROUTED BLOCKS AT EACH ANCHOR, MIN. 600 DEEP x 800 LONG PLUS 2-15M BARS AT EACH ANCHOR BOLT x 1000 LONG.

SUPPORTED NON-LOAD MASONRY PARTITION WALLS ABOVE. TYPICAL WHERE SHOWN ON PLAN. -SEE ARCH. DWGS FOR EXACT LOCATION AND EXTENTS. REFER TO DETAIL DAB1/S1-01 AND PLAN NOTES. (TYP.)

ANTI-ROTATION BARS TYPICAL THROUGHOUT THE WHOLE SLAB. REFER TO DETAIL DAB1/S1-01 AND PLAN NOTES. (TYP.)

PROVIDE SADDLE AS REQ'D AT OPENINGS THROUGH PRECAST SLABS. COORDINATE WITH MECH. AND ARCH. DWGS (TYP.) NOTE: MAX. OPENING WIDTH TO BE LIMITED TO PRECAST PANEL WIDTH.

PROVIDE (4) 125mm DIA. MAX. OPENINGS IN BEAM WEB. LOCATE OPENINGS MID-DEPTH AND WITHIN MIDDLE 1/3 SPAN. GC TO COORDINATE WITH MECH. DWGS.

PROVIDE 125mm DIA. MAX. OPENING IN BEAM WEB. LOCATE OPENING MID-DEPTH AND WITHIN MIDDLE 1/3 SPAN. GENERAL CONTRACTOR TO COORDINATE WITH MECH. DWGS

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

SECOND FLOOR FRAMING PLAN
1 : 100

= FLAT ROOF (SEE PLAN FOR LOCATIONS)

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

NO.	ISSUED / REVISION	DATE
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1	ISSUED FOR 85% CD	JUNE/24/25

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SECOND FLOOR / LOW ROOF FRAMING PLAN

Salas O'Brien
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Stephenson Engineering, a company of Salas O'Brien

SCALE	PROJECT
As indicated	20241729
DATE	
JUNE 2026	
DRAWN	DRAWING
AE	S1-02
CHECKED	
JG	
PRINT DATE	2026-06-11 11:10:06 AM
REVIT FILE	

NOTE:
SUPPORTING STRUCTURE FOR DIVIDER CURTAINS TO BE SUPPLIED AND INSTALLED BY CURTAIN/PARTITION SUPPLIER. CONFIRM AND CO-ORDINATE ALL QUANTITY, DETAILS, SPACING AND LOADING WITH OWSJ AND CURTAIN SUPPLIERS SHOP DWGS. (SEE ALSO SECTION)

NOTE:
TRIM STEEL DECK ROOF OPENINGS AS PER TYPICAL DETAIL SR01 U/N. SUPPORT FRAMING FOR CEILING FANS AND ROOF TOP UNITS 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.

ADD X-BRIDGING WHERE SHOWN THUS ⋛⋚ ON PLAN. (SEE TYPICAL DETAIL)

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

PROVIDE LATERAL SUPPORT AT TOP OF MASONRY PARTITION WALLS. REFER TO TYPICAL DETAIL DWGS FOR SIZE AND SPACING. (TYP.)
NOTE:
GENERAL CONTRACTOR TO COORDINATE LOCATIONS WITH ARCHITECTURAL DWGS.

SUPPORTED PARTITION WALLS BELOW. TYPICAL WHERE SHOWN ON PLAN. -SEE ARCH. DWGS FOR EXACT LOCATION AND EXTENTS. (TYP.)

ROOF SCREENS. REFER TO ARCH. DWGS FOR LOCATIONS AND EXTENTS (TYP.)

RTU Wt=1350kg

RTU Wt=1200kg

RTU Wt=1392kg

RTU Wt=1350kg

RTU Wt=1200kg

RTU Wt=675kg

RTU Wt=820kg

391kPa

5400 (ASL) AROUND MPH ROOF

FUTURE RTU

ACOUSTIC STEEL ROOF DECK 38mm DP.

PRECAST-254 NO TOPPING

PRECAST-254 NO TOPPING (FLAT)

SLOPE

1400/1550/1400 STEEL JOIST @2000 o/c MAX.

1000 STEEL JOIST @1950 o/c MAX.

CONT. L127x76x6.4 (LLV) + DRILLED 16mm DIA. HILTI HAS RODS @600 o/c. MAX. SIM. EPOXY WITH HILTI HIT HY 270. EMBED 150mm INTO MASONRY. (WELD DECK TO ANGLE TYP.)

CONT. L76x76x6.4 (WELD DECK TO ANGLE)

W200x46 HOIST BEAM

ELEVATOR WALLS GROUTED 100% SOLID FULL HEIGHT.

CONNECT HANGER FOR Tf = 102kN

T&B CHORD BRIDGING. SEE NOTES AND TYPICAL DETAILS. (TYP.)

1st PANEL POINT BOTTOM CHORD BRACING, SEE NOTES AND TYPICAL DETAILS. (TYP.)

STEEL ROOF DECK 38mm DP.

CONNECT W410 TO W610 BEAM

PROVIDE CONCRETE CURBS. SEE DETAIL CS17 , COORDINATE EXTENTS AND HEIGHTS WITH MECH. AND/OR UNIT SHOP DWGS.

W200x42 +8mm BENT PL.

W200x27 (WP1 EE) +8mm BENT PL. TO MATCH ROOF SLOPE.

W150x30 (Mf = 25kN.m)

W200x27 (Mf = 25kN.m)

HSS 203x203x6.4 SLANTED COLUMN

HSS 127x127x6.4 AT U/S ROOF DECK FOR CURTAIN WALL CONNECTION. CONNECTION BY SUPPLIER (TYP.)

W150x90 (Mf = 25kN.m)

CONT. C200x17

W150x22 FOR WINDOW SUPPORT

CONT. 75x6mm WELD PLATE + ANCHORS. REFER TO TYP. DETAILS

C150x12 @1200 o/c MAX. (Mf = 10kN.m TYP.)

PROVIDE DECK ANGLE L76x76x6.4 (WELD DECK TO ANGLE)

HSS 102x102x6.4 (TYP.)

NOTE: W-BEAMS CENTRED WITH H2 HANGERS (TYP.)

= FLAT ROOF (SEE PLAN FOR LOCATIONS)

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

ROOF FRAMING PLAN
1 : 100

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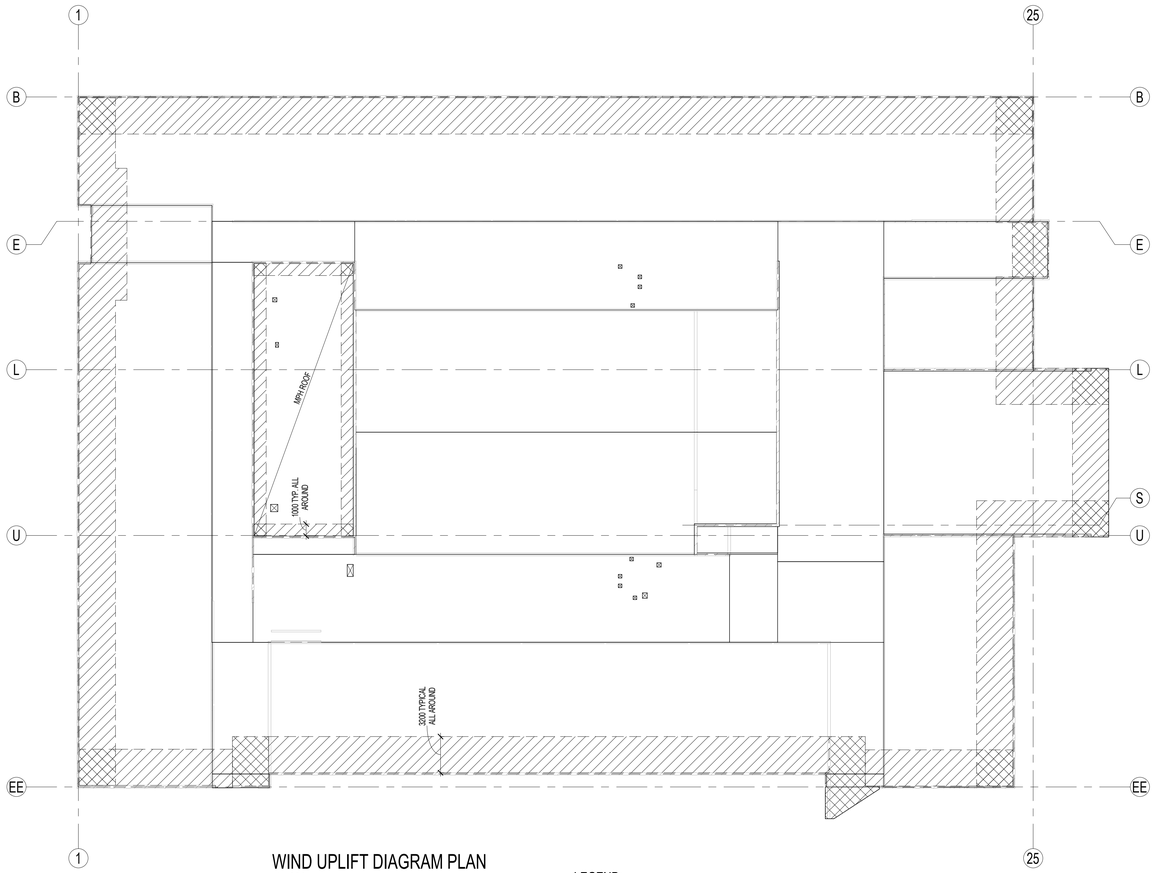
TOWN OF CALEDON,
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ROOF FRAMING PLAN

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Toronto, ON M2J 5B5
Stephenson Engineering, a company of Salas O'Brien

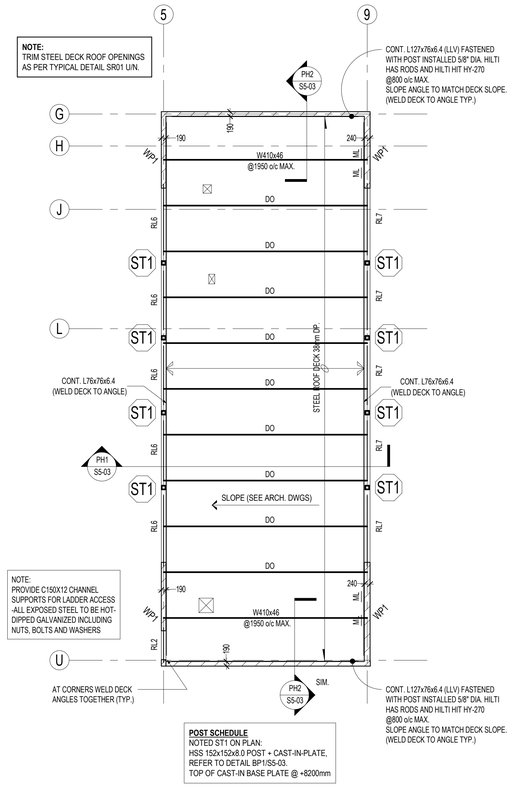
SCALE	As indicated
PROJECT	20241729
DATE	JUNE 2026
DRAWN	AE
CHECKED	JG
DRAWING	S1-03
PRINT DATE	2026-06-11 11:10:09 AM
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WIND UPLIFT DIAGRAM PLAN
1 : 200

LEGEND:
- 1.8 kPa
- 2.35 kPa
- 3.03 kPa

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.



POST SCHEDULE
NOTED ST1 ON PLAN:
HSS 152x152x8.0 POST + CAST-IN-PLATE,
REFER TO DETAIL BP1/S5-03.
TOP OF CAST-IN BASE PLATE @ +8200mm

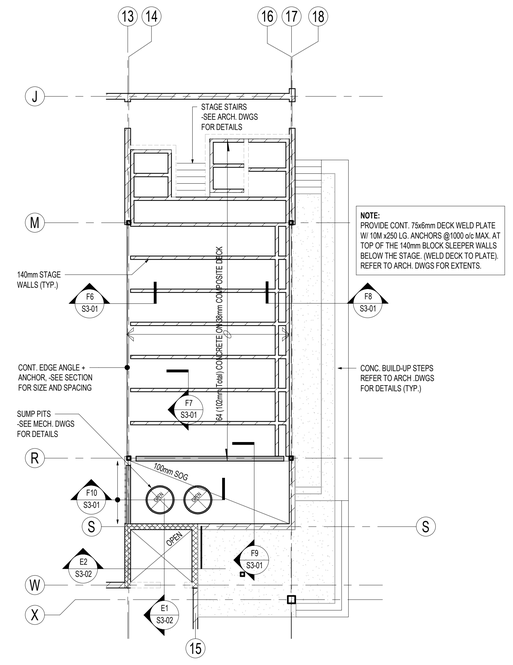
MPH ROOF FRAMING PLAN
1 : 100

MPH PLAN NOTES:

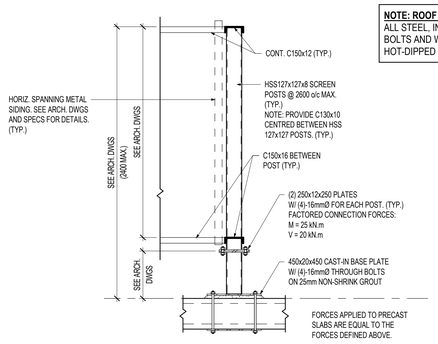
1. U/S OF STEEL ROOF DECK AT HIGH POINT TO BE 0.0 BELOW ROOF DATUM ELEVATION +11,200mm, EXCEPT AS NOTED. SLOPED AS SHOWN ON ARCHITECTURAL DRAWINGS.
2. TOP OF STEEL BEAMS TO BE 0.0mm BELOW U/S OF DECK, EXCEPT AS SHOWN THUS (-2X-) ON PLAN.
3. REFER ALSO TO ROOF FRAMING PLAN NOTES.
4. LOADING:
   LL = 1.66 kPa
   DL = 1.76 kPa
5. REFER TO DRAWING S0-02 FOR WALL PLATE SCHEDULE.

REFER TO DRAWING S1-01 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.

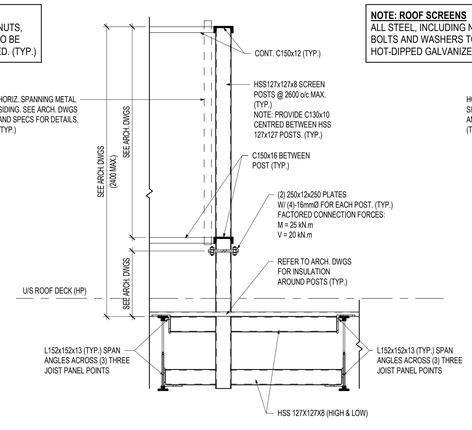


1 STAGE FRAMING PLAN
1 : 100

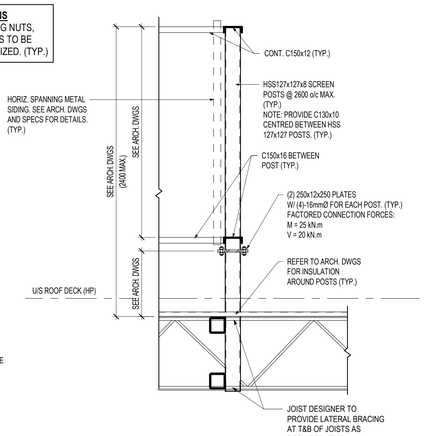


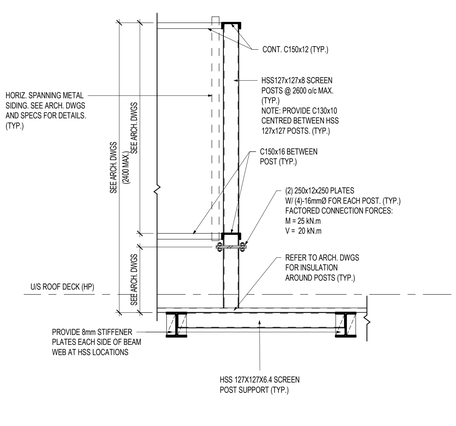
NOTE: ROOF SCREENS
ALL STEEL, INCLUDING NUTS, BOLTS AND WASHERS TO BE HOT-DIPPED GALVANIZED. (TYP.)

TYPICAL ROOF TOP UNIT SCREEN POST CONNECTION DETAIL



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





TYPICAL ROOF TOP UNIT SCREEN POST CONNECTION DETAILS

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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LICENSED PROFESSIONAL ENGINEER
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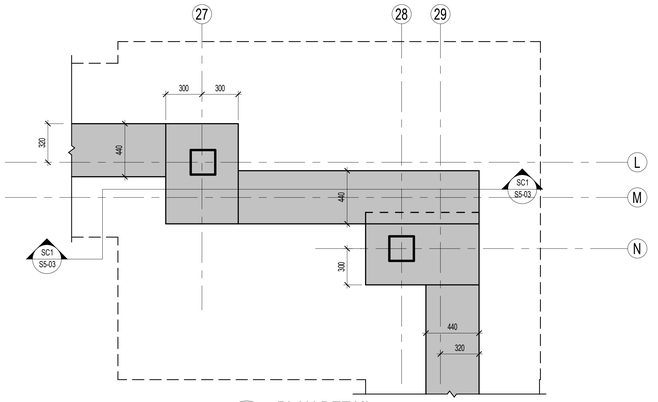
MECHCANICAL PENTHOUSE ROOF FRAMING PLAN

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SCALE: As indicated	PROJECT: 20241729
DATE: JUNE 2026	
DRAWN: AE	DRAWING: S1-04
CHECKED: JG	
PRINT DATE: 2026-06-11 11:10:09 AM	
REVIT FILE:	

STEEL COLUMN SCHEDULE

T/O HIGH BEAM LEARNING COMMONS																																					
U/S ROOF DECK (LP)																																					
T/O SECOND FLOOR								HSS254x254x6.4 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS203x203x6.4 SLANTED	HSS152x152x6.4	HSS152x152x6.4	HSS203x203x6.4	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS152x152x6.4	HSS152x152x6.4	HSS203x203x6.4	HSS305x305x9.5 CONCRETE FILLED	HSS203x203x6.4 SLANTED													
T/O GROUND FLOOR	HSS254x254x6.4 CONCRETE FILLED	HSS305x305x6.4 CONCRETE FILLED	HSS254x254x6.4 CONCRETE FILLED	HSS254x254x6.4 CONCRETE FILLED	HSS305x305x6.4 CONCRETE FILLED	HSS305x305x6.4 CONCRETE FILLED	HSS254x254x6.4 CONCRETE FILLED	HSS254x254x6.4 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS203x203x6.4 SLANTED	HSS152x152x6.4	HSS152x152x6.4	HSS203x203x6.4	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS152x152x6.4	HSS152x152x6.4	HSS203x203x6.4 SLANTED	HSS254x254x8.0 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS305x305x9.5 CONCRETE FILLED	HSS254x254x8.0 CONCRETE FILLED	HSS203x203x6.4	HSS219x9.5	HSS219x9.5	HSS219x9.5	HSS219x9.5	
U/S B.PL. -350 (U.N.O.)																																					
BASE PLATE ANCHOR RODS	450x25x450 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	450x25x450 (4)-AR1	450x25x450 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	350x25x350 (4)-AR1	350x25x350 (4)-AR1	400x40x400 (4)-AR2	500x25x500 (4)-AR1	400x40x400 (4)-AR2	500x25x500 (4)-AR1	350x25x350 (4)-AR1	350x25x350 (4)-AR1	400x40x400 (4)-AR2	500x25x500 (4)-AR1	500x25x500 (4)-AR1	450x25x450 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	500x25x500 (4)-AR1	450x25x450 (4)-AR1	400x40x400 (4)-AR1	400x40x400 (4)-AR1	400x40x400 (4)-AR1	400x40x400 (4)-AR1	400x40x400 (4)-AR1
PIER SIZE VERTICAL REINF. TIES	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 14-15V 10@300T	750x750 9-20V 10@300T	700x700 14-15V 10@300T	700x700 14-15V 10@300T	600x830 12-15V 10@300T	600x600 10-15V 10@300T	600x600 10-15V 10@300T	600x940 14-15V 10@300T	700x700 14-15V 10@300T	600x940 14-15V 10@300T	700x700 14-15V 10@300T	600x600 10-15V 10@300T	600x600 10-15V 10@300T	600x940 14-15V 10@300T	700x700 14-15V 10@300T	600x830 12-15V 10@300T	700x700 14-15V 10@300T	700x700 14-15V 10@300T	700x700 9-20V 10@300T	700x700 14-15V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 9-20V 10@300T	700x700 14-15V 10@300T	700x700 14-15V 10@300T	600x600 10-15V 10@300T	600x600 10-15V 10@300T	600x600 10-15V 10@300T	600x600 10-15V 10@300T
FACTORED LOADING (kN)	750	1500	1000	1000	1500	1500	750	425	900	425	200	200	200	325	725	325	725	200	200	375	425	200	600	600	900	425	1000	1200	1200	600	250	200	200	200	200	
Column Locations	B-1	B-3	B-7	B-8	B-10	B-11	B-12	B1-24	H-20	L-21	L-27	M-14	M-16	N-28 M	O-21	P-28 M	Q-21	R-14	R-16	T-28 M	U-21	U-27	V-23	X-17	X-20	Y-15	Z-23	BB-23	CC-23	EE-23	EE-27	FF-21	FF-22	FF-23	FF-27		

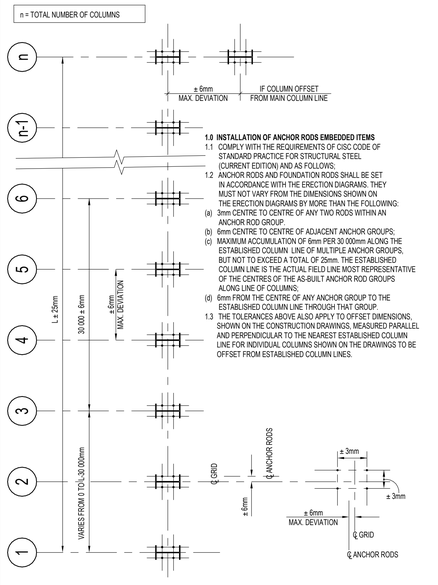


CP1 S2-01 PLAN DETAIL
1 : 20

STEEL 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.

TOLERANCES ON ANCHOR ROD PLACEMENT — SAB01



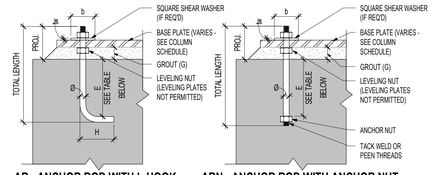
1.0 INSTALLATION OF ANCHOR RODS EMBEDDED ITEMS

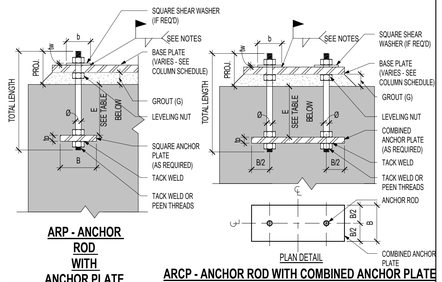
1.1 COMPLY WITH THE REQUIREMENTS OF CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL (CURRENT EDITION) AND AS FOLLOWS.

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



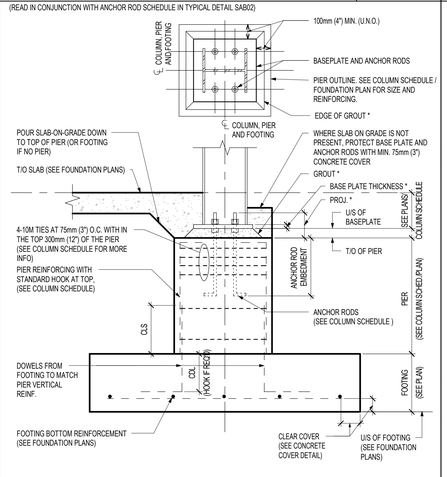


ANCHOR		ANCHOR ROD					GROUT	ANCHOR PLATE		PROJ.	SHEAR WASHER	
MARK	TYPE	DIA (D)	EMBED (E)	HOOK (H)	GRADE (KSI)	H# (kN)	THICKNESS (G)	WIDTH (B)	THICK (tp)	(MIN)	WIDTH (b)	THICK (tw)
AR1	AR	20	300	75	36	--	50	--	--	100	--	--
AR2	ARP	20	600	--	36	--	50	60	14	100	50	6.4

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

STEEL GRAVITY COLUMN BASE DETAIL — SC02

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

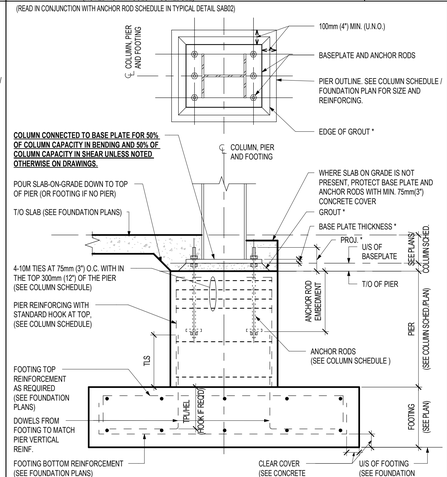


NOTES:
1. FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY AS NOTED ON THE DRAWINGS.
2. GROUT UNDER BASE PLATES SHALL BE AN APPROVED PROPRIETARY BRAND PRE-MIXED, NON-METALLIC, NON-SHRINK GROUT UNLESS OTHERWISE APPROVED.
3. LEVELING PLATES ARE NOT PERMITTED.
4. REFER TO COLUMN 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 AND C02B.
8. REFER TO SAB02 FOR ALL ITEMS MARKED WITH *

STEEL MOMENT COLUMN BASE DETAIL — SC04

NOTED AS M IN COLUMN SCHEDULE)

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

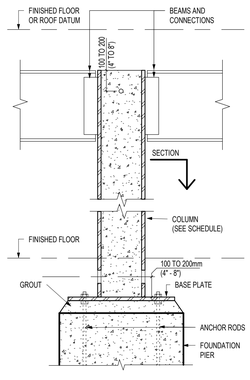


NOTES:
1. FOUNDATION DESIGN MOMENT M# NOTED IN COLUMN SCHEDULE.
2. GROUT UNDER BASE PLATES SHALL BE AN APPROVED PROPRIETARY BRAND PRE-MIXED, NON-METALLIC, NON-SHRINK GROUT UNLESS OTHERWISE APPROVED.
3. LEVELING PLATES ARE NOT PERMITTED.
4. REFER TO COLUMN SCHEDULE/FOUNDATION PLAN FOR BASE PLATES, ANCHOR ROD, PIER, FOOTING DIMENSIONS AND REINFORCEMENT.
5. REFER TO EA4, 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 AND C02B.
8. THIS DETAIL APPLIES FOR CONVENTIONAL CONSTRUCTION ONLY (Rd=1.5).
9. REFER TO SAB02 FOR ALL ITEMS MARKED WITH *.

CONCRETE-FILLED HOLLOW STEEL COLUMNS — SPS02

(READ IN CONJUNCTION WITH DETAILS CS02, CS02G, CS02B, SCO3A, SCO4)

NOTES:
1. VENT HOLES TO BE DRILLED IN PAIRS AT EACH END OF SINGLE LENGTH COLUMNS AT EVERY FLOOR LEVEL. AN INTERMEDIATE PAIR OF VENT HOLES SHALL BE DRILLED IF LENGTH EXCEEDS 5000mm (16'-0")
2. CONCRETE FILL COMPRESSIVE STRENGTH AS NOTED; MAX. COARSE AGGREGATE SIZE TO BE 10mm (3/8"); MINIMUM CEMENT CONTENT TO BE 360 kg/m³. A SUPER PLASTICISER ADDITIVE IS RECOMMENDED; SUBMIT MIX DESIGN FOR REVIEW.
3. BEAM CONNECTIONS AND DECKING SYSTEMS ARE TO BE DESIGNED AND ASSEMBLED IN A SEQUENCE WHICH ALLOWS ACCESS TO THE COLUMN FOR THE CONCRETE FILLING OPERATION.
4. FILLING OPERATION IF LENGTH DOES NOT EXCEED 3000mm (10'-0") THE SECTION CAN BE GRAVITY FILLED. FOR LONGER LENGTHS, CONCRETE SHALL BE PUMPED. THE CONCRETE SHALL BE VIBRATED.
5. UPON INSPECTION, ANY VOIDS DETECTED SHALL BE CORRECTED BY DRILLING HOLES AND INJECTING GROUT AND RE-SEALING THE HOLES.
6. REFER TO RELEVANT COLUMN BASE DETAIL (CS02, CS02G, CS02B, SCO3A, SCO4) FOR MORE INFORMATION RELATING TO ANCHOR RODS, PIER REINFORCEMENT, ETC.



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2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
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PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

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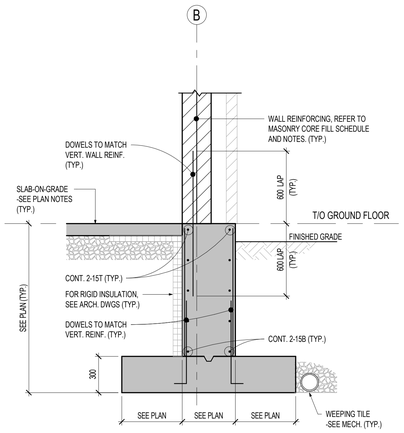
TOWN OF CALEDON,
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5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
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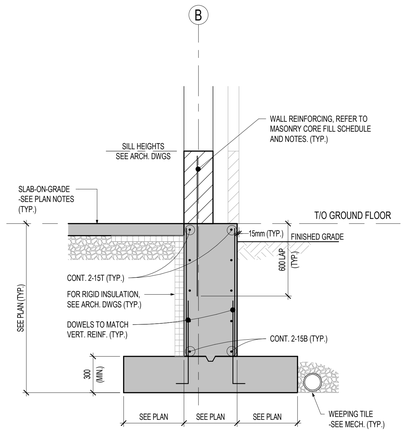
COLUMN SCHEDULE

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Stephenson Engineering, a company of Salas O'Brien

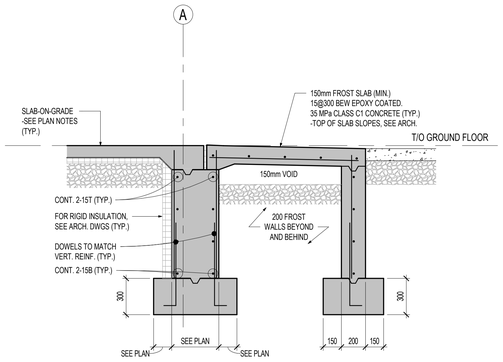
SCALE As indicated	PROJECT 20241729
DATE JUNE 2026	
DRAWN AE	DRAWING S2-01
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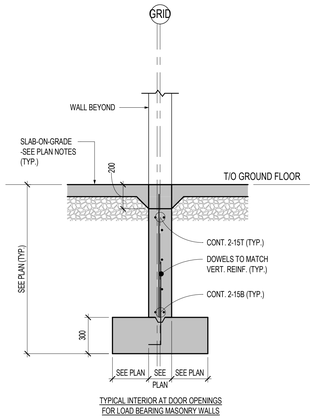
F1 SECTION S3-01 1 : 20



F2 SECTION S3-01 1 : 20

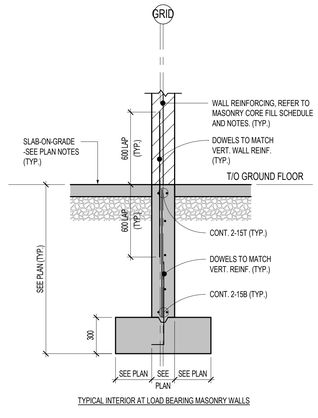


F3 SECTION S3-01 1 : 20



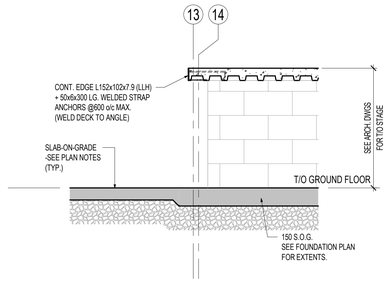
TYPICAL INTERIOR AT DOOR OPENINGS FOR LOAD BEARING MASONRY WALLS

F4 SECTION S3-01 1 : 20

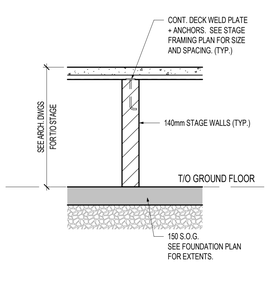


TYPICAL INTERIOR AT LOAD BEARING MASONRY WALLS

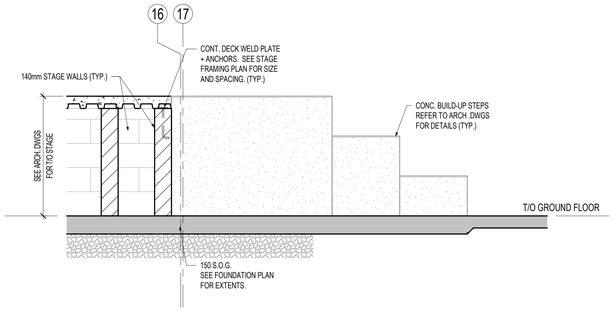
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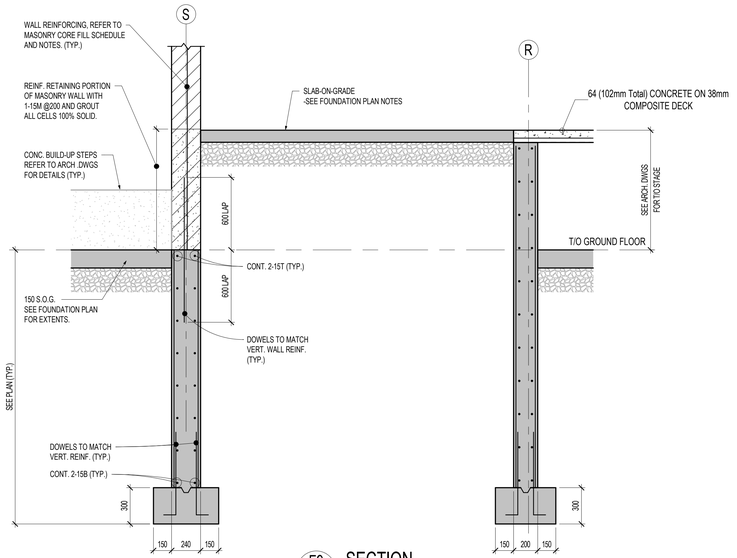
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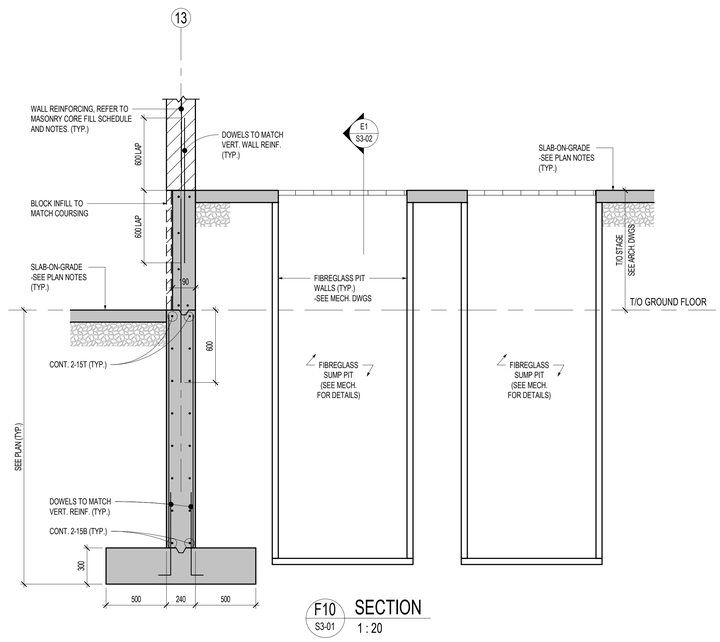
F7 SECTION S3-01 1 : 20



F8 SECTION S3-01 1 : 20



F9 SECTION S3-01 1 : 20



F10 SECTION S3-01 1 : 20

TABLE 1: FOUNDATION WALL REINFORCING (UNO)

WALL THICKNESS	NOMINAL WALL REINFORCEMENT	
(mm)	HORIZONTAL	VERTICAL
=< 190/200	10@320H (CENTERED)	10@440V (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	NOMINAL WALL REINFORCEMENT	
(mm)	HORIZONTAL	VERTICAL
=< 450	15@440 HEF	10@280 VEF
=< 500	15@400 HEF	15@460 VEF
=< 600	15@320 HEF	15@440 VEF

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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LICENSED PROFESSIONAL ENGINEER
26-06-17
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

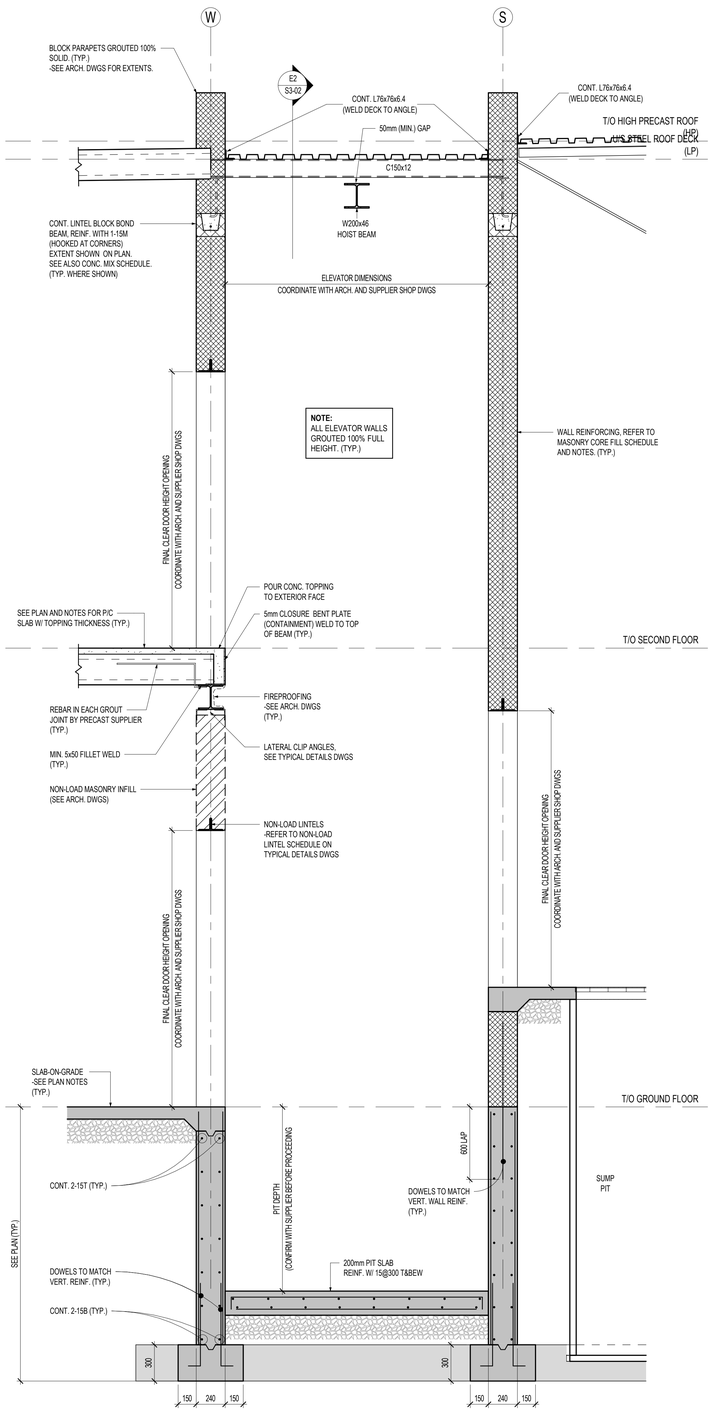
TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

FOUNDATION SECTIONS

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

SCALE	As indicated
DATE	JUNE 2026
DRAWN	AE
CHECKED	JG
PROJECT	20241729
DRAWING	S3-01
PRINT DATE	2026-06-11 11:10:11 AM
REVIT FILE	

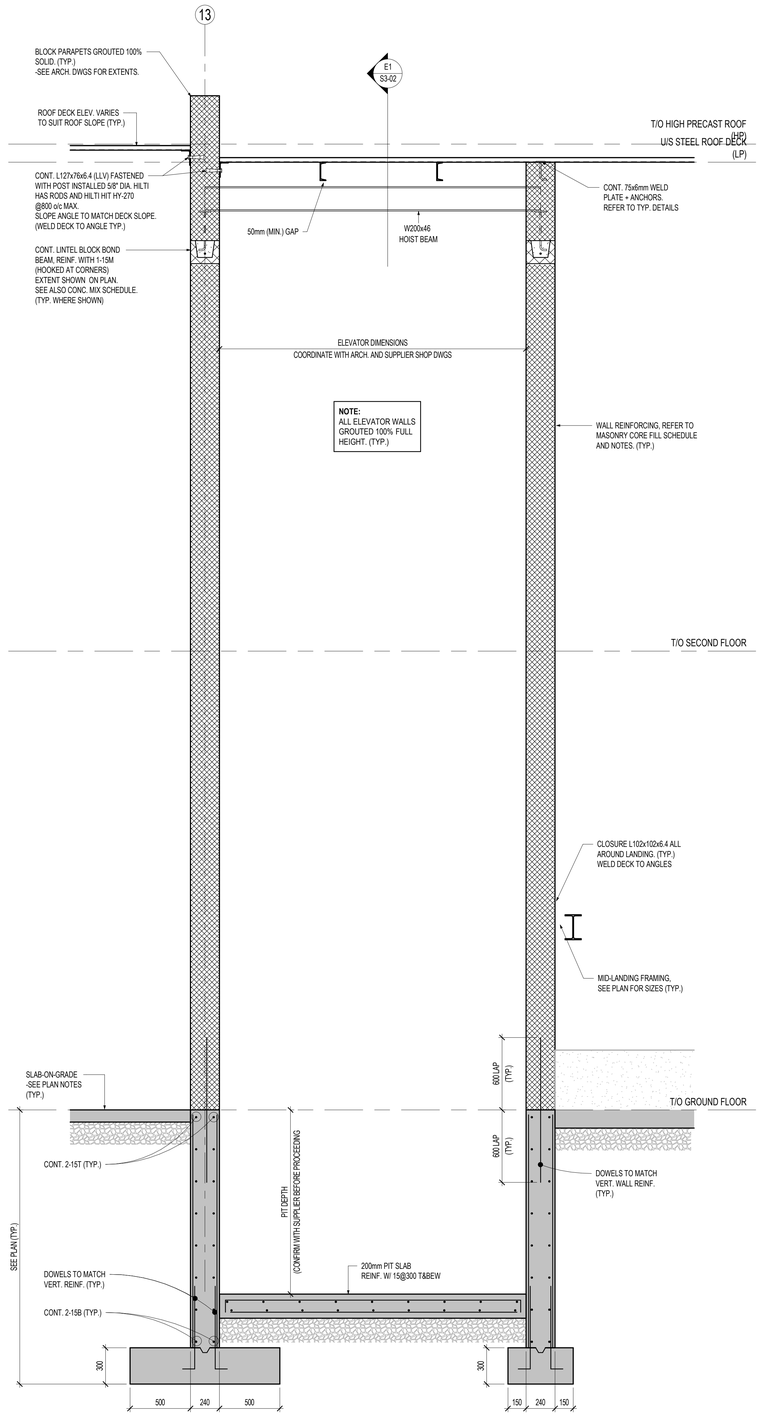


E1 S3-02 SECTION
1 : 20

TABLE 1: FOUNDATION WALL REINFORCING (UNO)

WALL THICKNESS (mm)	NOMINAL WALL REINFORCEMENT	
	HORIZONTAL	VERTICAL
=< 190/200	10@320H (CENTERED)	10@440V (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	10@280 VEF
=< 500	15@400 HEF	15@460 VEF
=< 600	15@320 HEF	15@440 VEF



E2 S3-02 SECTION
1 : 20

NO.	ISSUED / REVISION	DATE
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1	ISSUED FOR 85% CD	JUNE/24/25

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PUBLIC SCHOOL

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CALEDON, ONTARIO

LEGAL DESCRIPTION
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REGISTERED PLAN 43M-2114

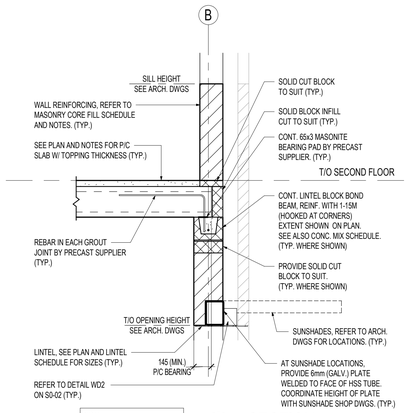
TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

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MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

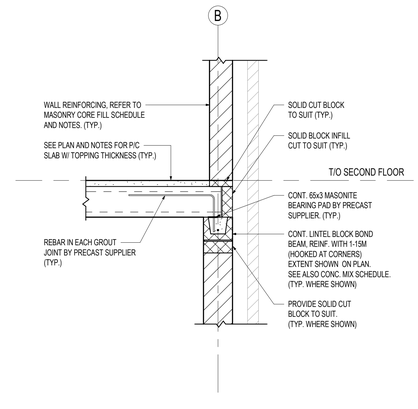
ELEVATOR SECTIONS

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

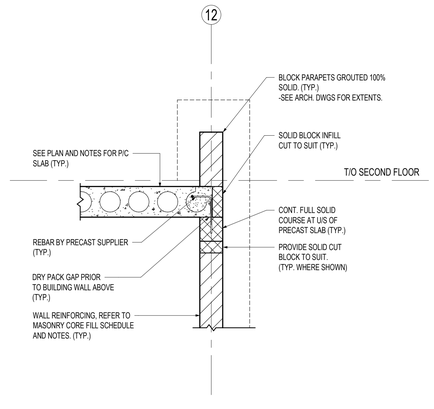
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DATE	JUNE 2026
DRAWN	AE
CHECKED	JG
PROJECT	20241729
DRAWING	S3-02
PRINT DATE	2026-06-11 11:10:12 AM
REVIT FILE	



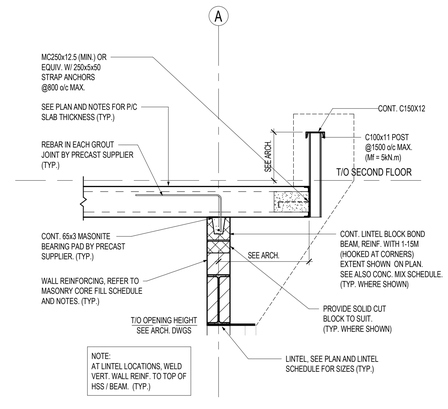
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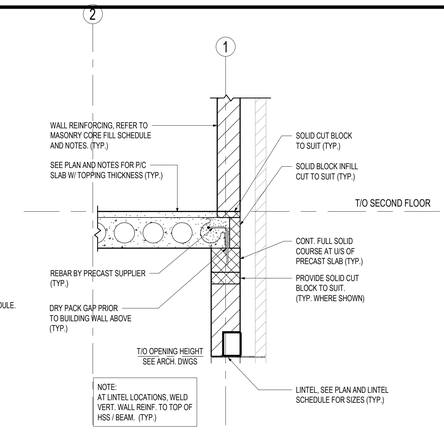
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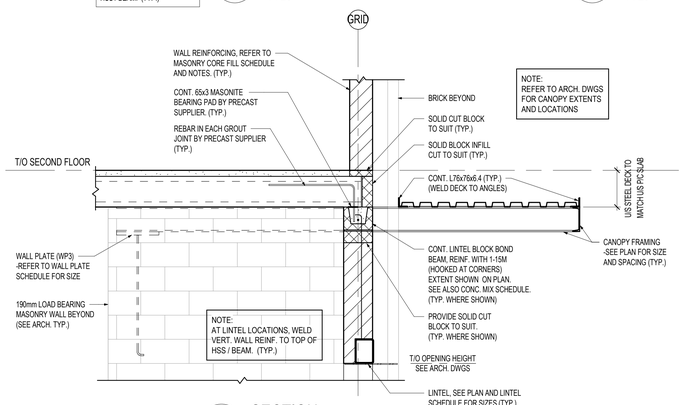
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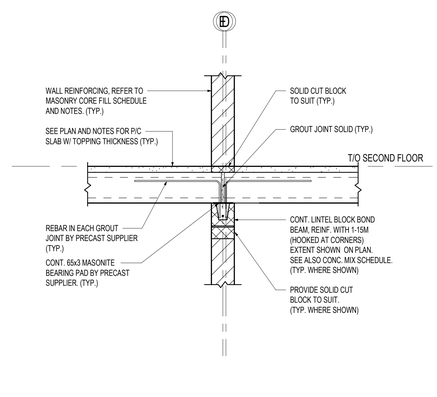
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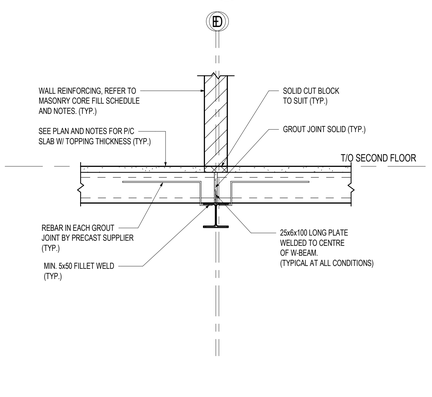
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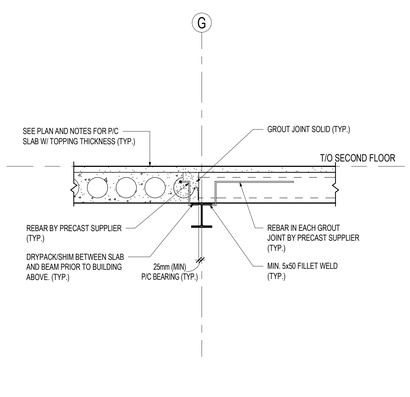
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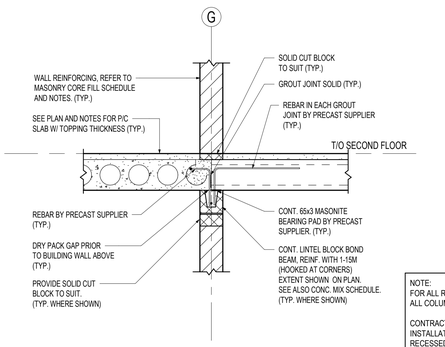
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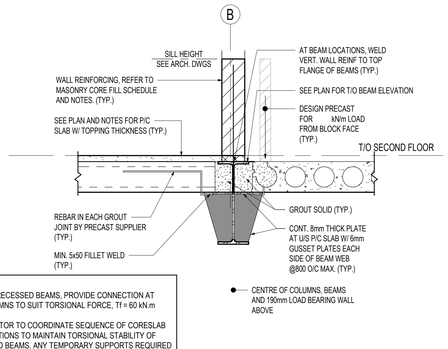
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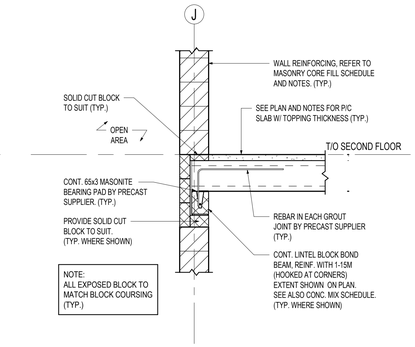
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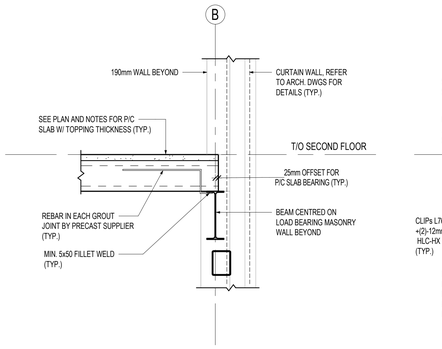
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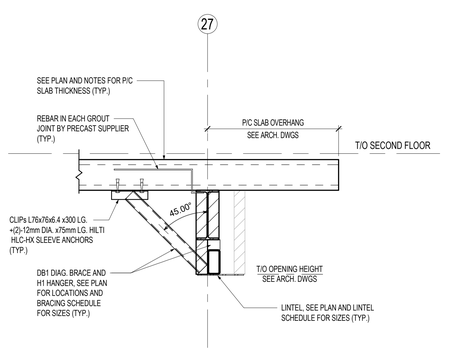
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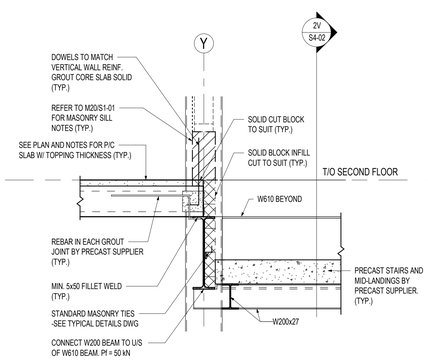
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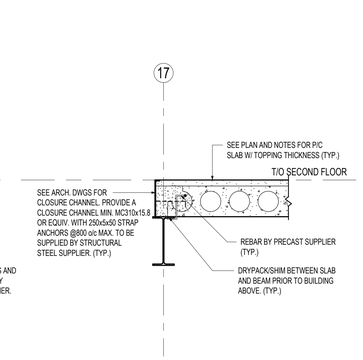
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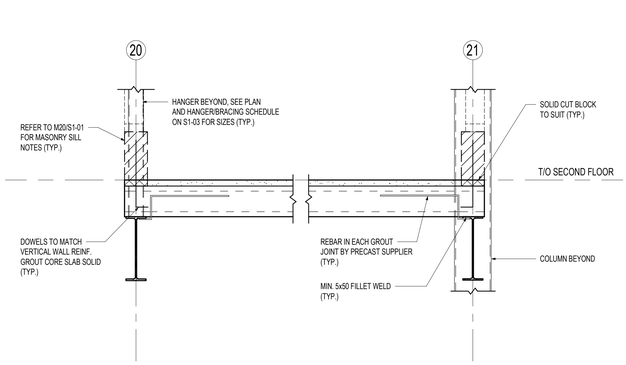
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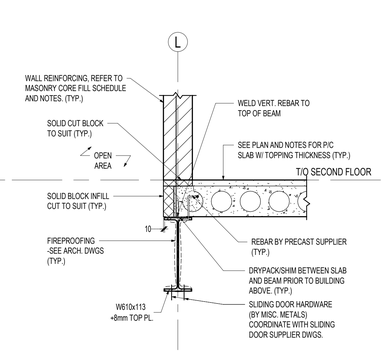
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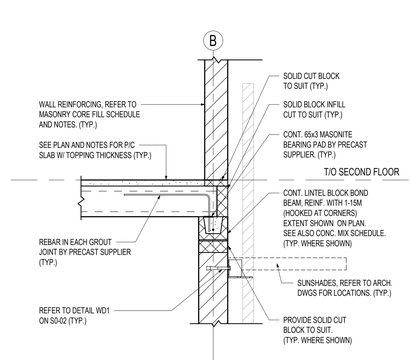
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2S SECTION S4-01 1 : 20



2T SECTION S4-01 1 : 20



2U SECTION S4-01 1 : 20

NO.	ISSUED / REVISION	DATE
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100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

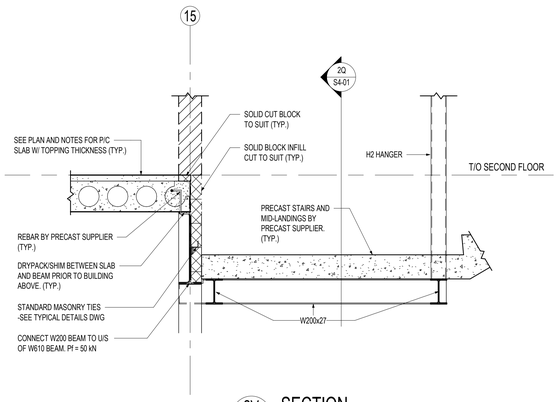
TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

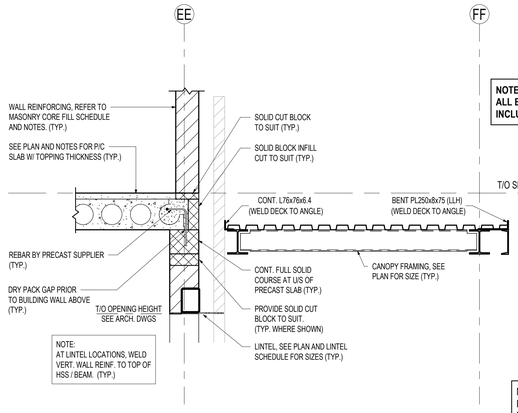
FLOOR SECTIONS

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

SCALE 1 : 20	PROJECT 20241729
DATE JUNE 2026	
DRAWN AE	DRAWING S4-01
CHECKED JG	
PRINT DATE	2026-06-11 11:10:13 AM
REVIT FILE	



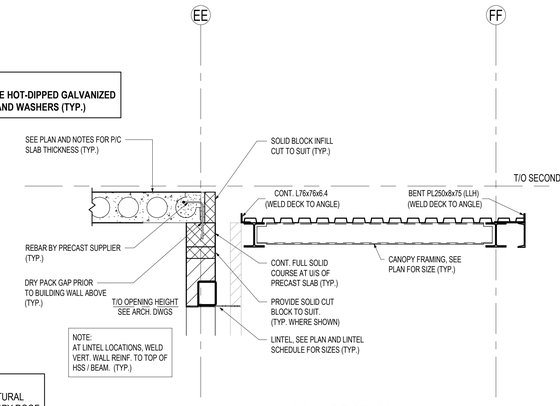
2V S4-02 SECTION 1 : 20



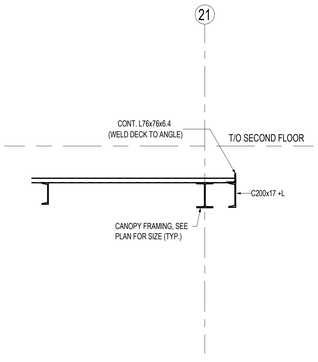
2W S4-02 SECTION 1 : 20

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

NOTE:
REFER TO ARCHITECTURAL DRAWINGS FOR CANOPY ROOF DECK ELEVATION

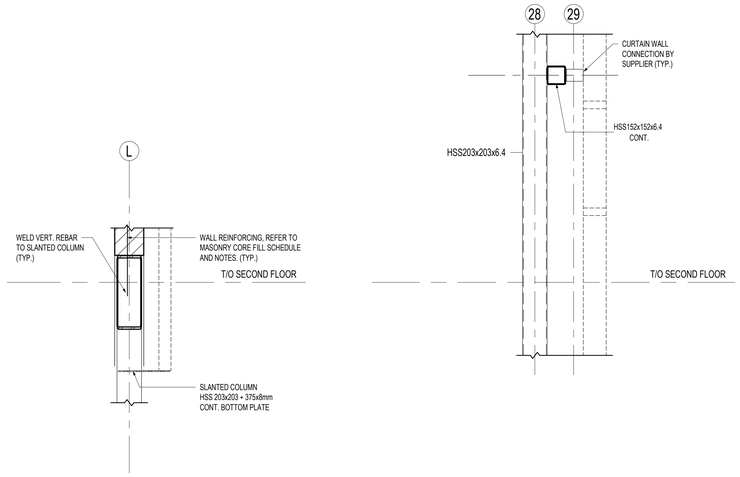


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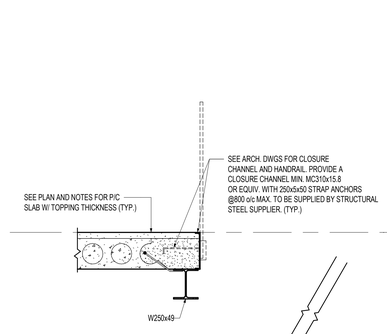
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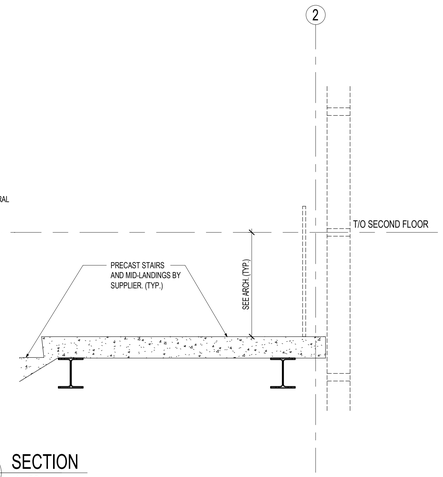
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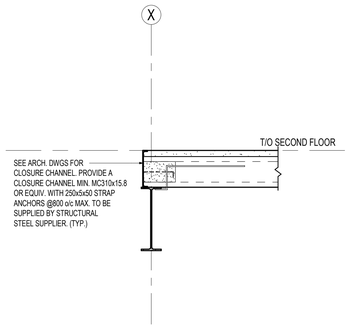
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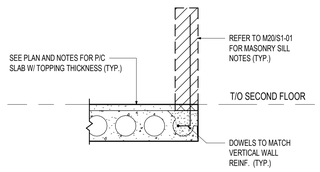




2CC S4-02 SECTION 1 : 20



2DD S4-02 SECTION 1 : 20



2EE S4-02 SECTION 1 : 20

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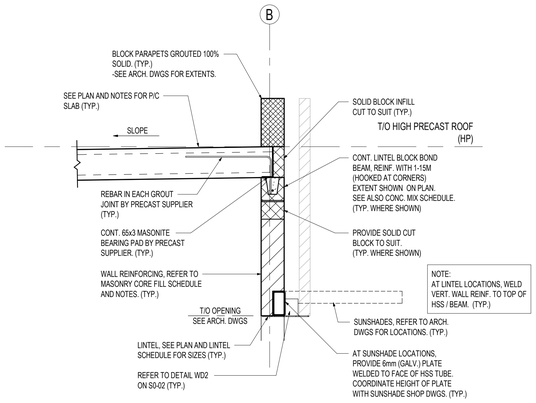
TOWN OF CALEDON,
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MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

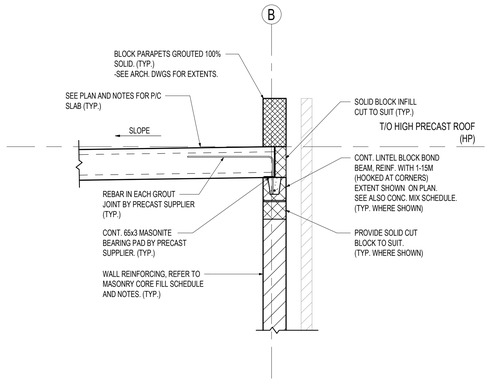
FLOOR SECTIONS

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

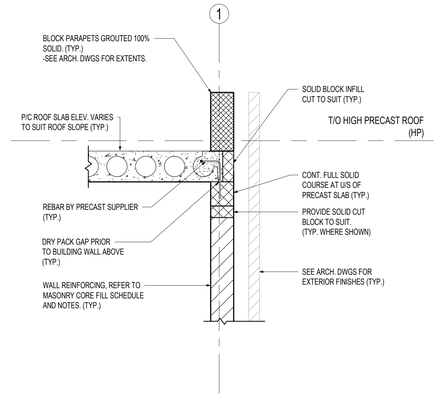
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DATE JUNE 2026	
DRAWN AE	DRAWING S4-02
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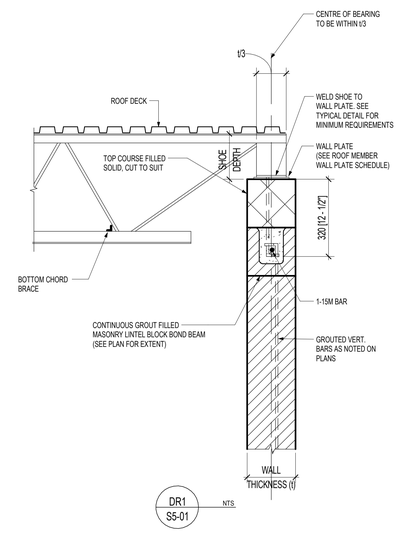


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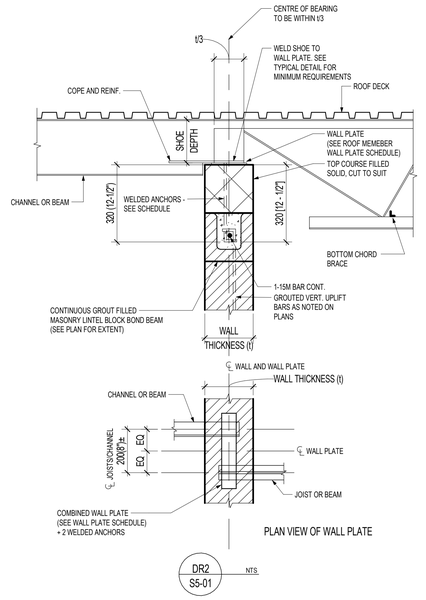
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STEEL JOIST 'UPLIFT' BEARING ON MASONRY WALL — M16

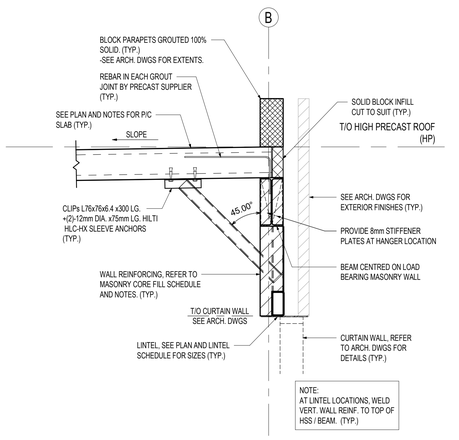


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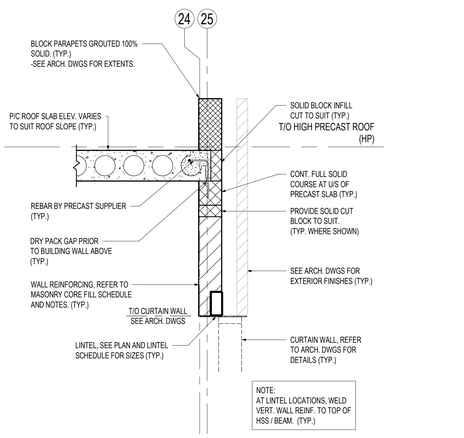
JOIST BEARING ON MASONRY WALL FROM BOTH SIDES WITH UPLIFT ANCHORAGE (ON COMBINED WALL PLATE) — M17



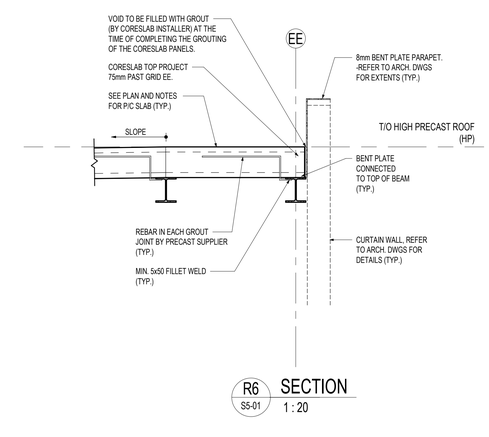
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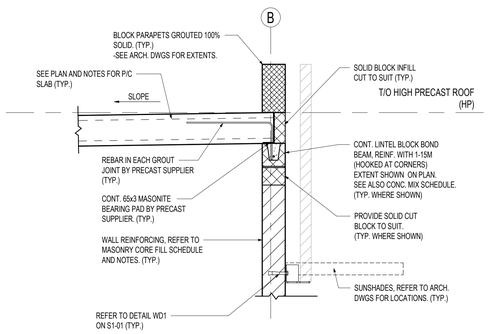
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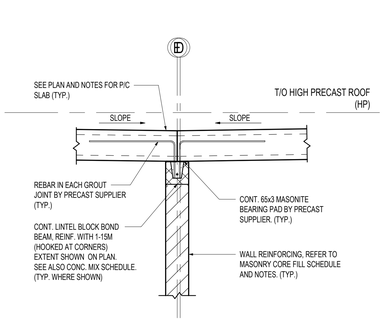
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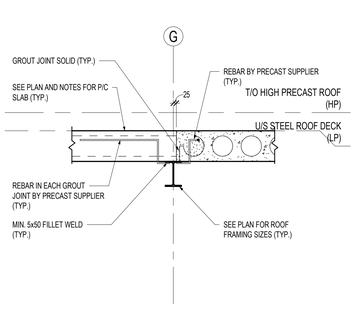
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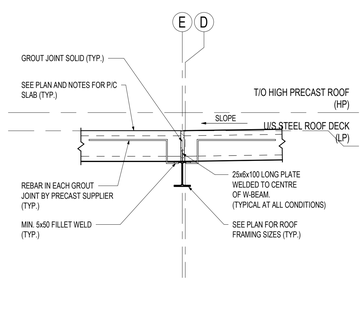
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R8 S5-01 SECTION 1 : 20



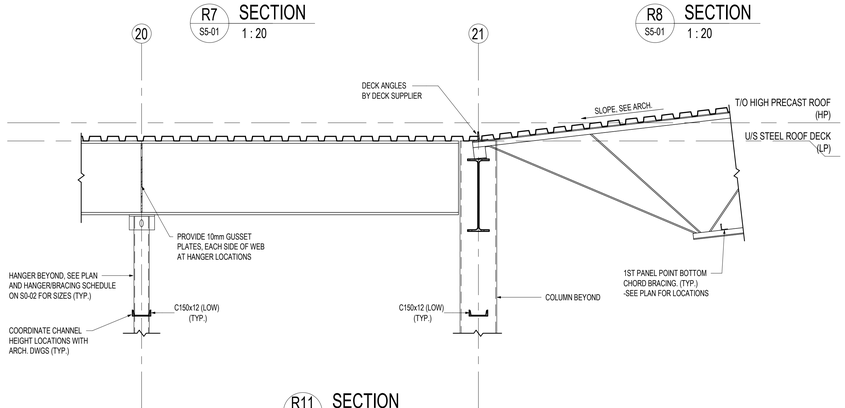
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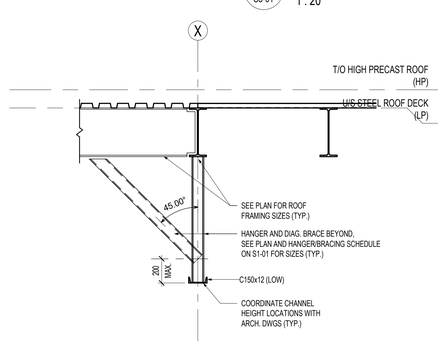
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TYPICAL ROOF MEMBER WALL PLATE SCHEDULE (UNLESS OTHERWISE SHOWN)

LOCATION	TYPE	DESCRIPTION	SIZE	REMARKS
CORRIDOR AND OTHER INTERIOR WALLS	SINGLE	OWSJ CHANNEL BEAM	150x8x300 + 2-12 DIA. x 320+50 HOOK	SEE DR1/S5-01
	COMBINED	OWSJ/CHANNEL OWSJ/OWSJ OWSJ/BEAM BEAM/CHANNEL	150x10x460 + 2-20 DIA. x 320+50 HOOK	SEE DR2/S5-01
EXTERIOR WALL	SINGLE	OWSJ CHANNEL BEAM	150x8x300 + 2-12 DIA. x 320+50 HOOK	SEE DR1/S5-01
GP ROOM WALL	SINGLE	BEAM LSSJ	150x8x300 + 2-20 DIA. x 320+50 HOOK	SEE DR1/S5-01
	COMBINED	LSSJ/CHANNEL OR BEAM	150x10x460 + 2-20 DIA. x 320+50 HOOK U/N	SEE DR2/S5-01



R11 S5-01 SECTION 1 : 20



R12 S5-01 SECTION 1 : 20

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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LICENSED PROFESSIONAL ENGINEER 26-06-17 J. C. GASDIA 100169574 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

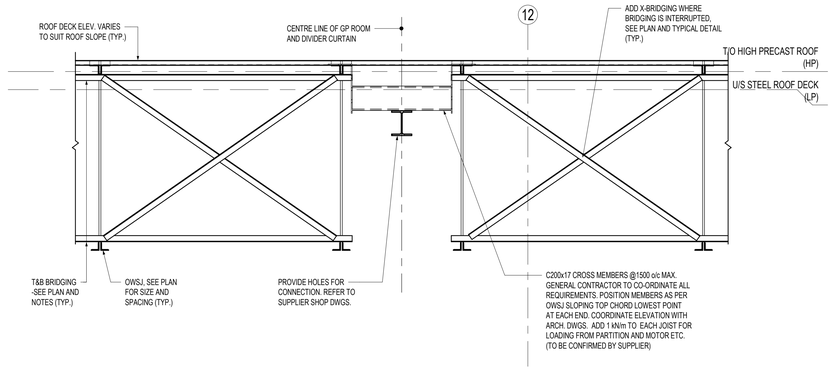
TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

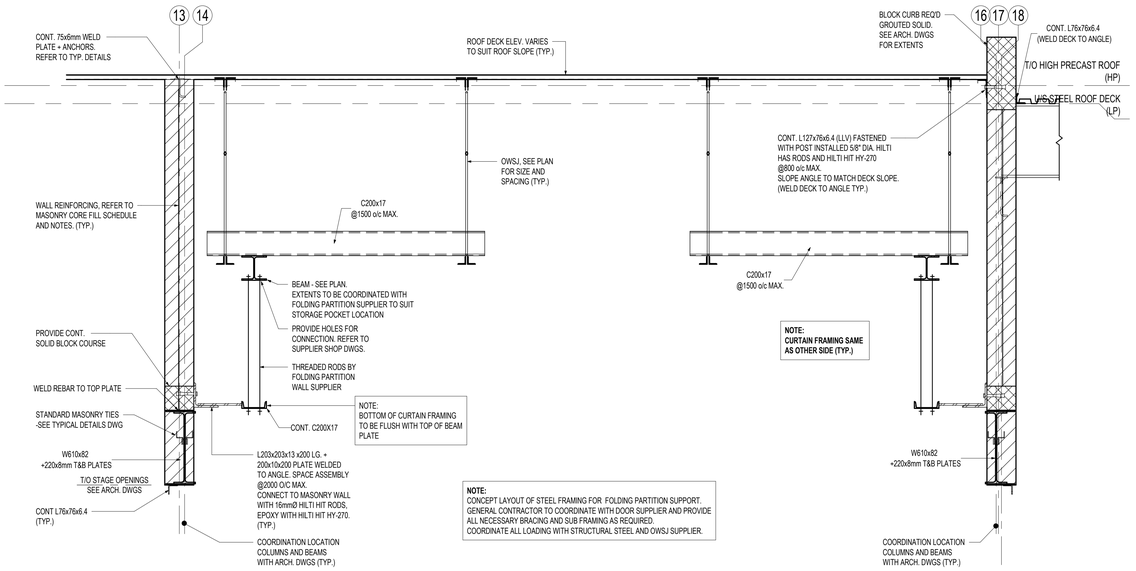
ROOF SECTIONS

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

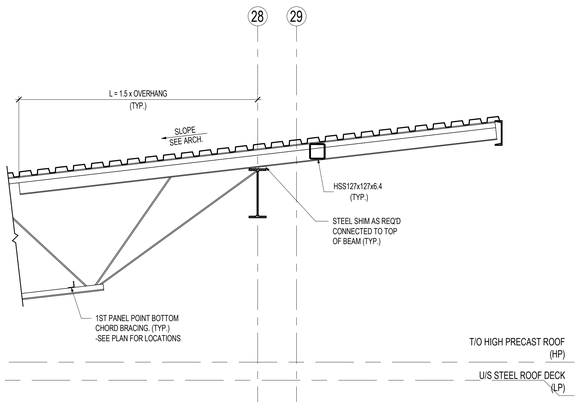
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PROJECT	20241729
DATE	JUNE 2026
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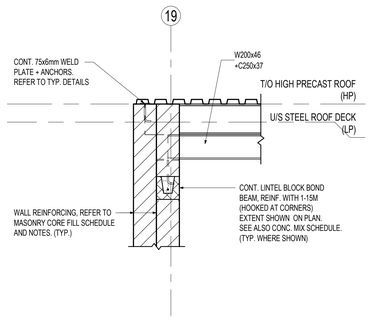
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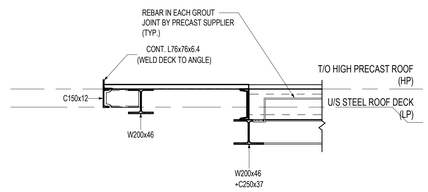
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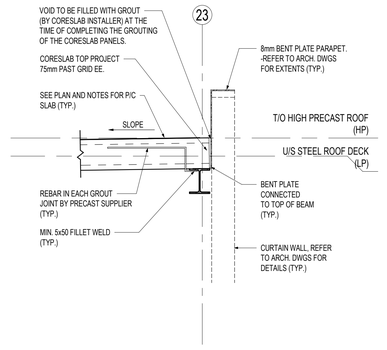
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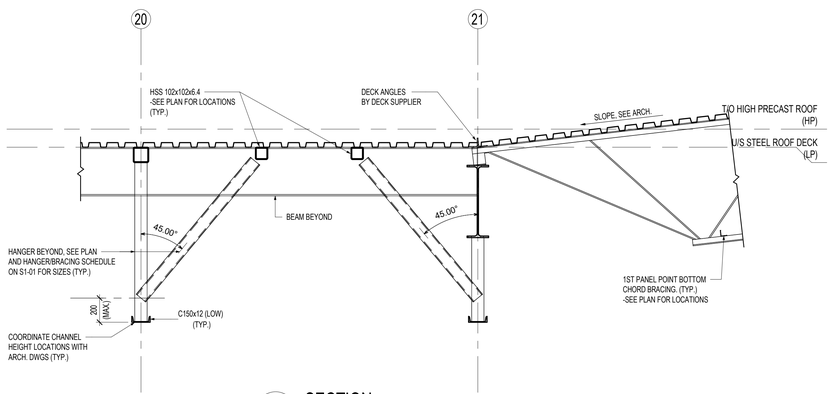
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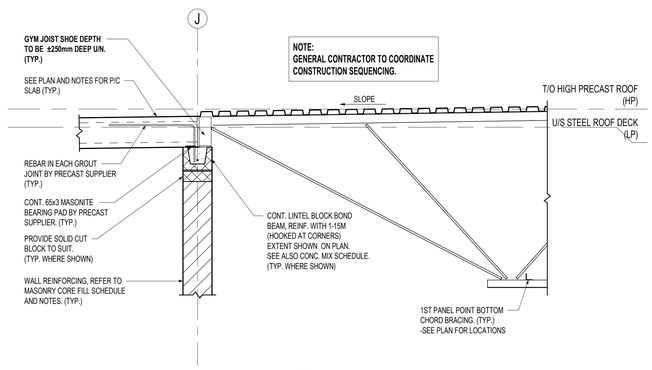
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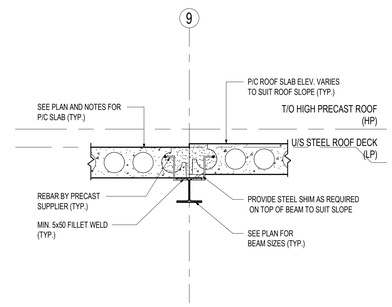
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R19 S5-02 SECTION 1 : 20



R20 S5-02 SECTION 1 : 20



R21 S5-02 SECTION 1 : 20

NO	ISSUED / REVISION	DATE
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26-06-17
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PROVINCE OF ONTARIO

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PUBLIC SCHOOL

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CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

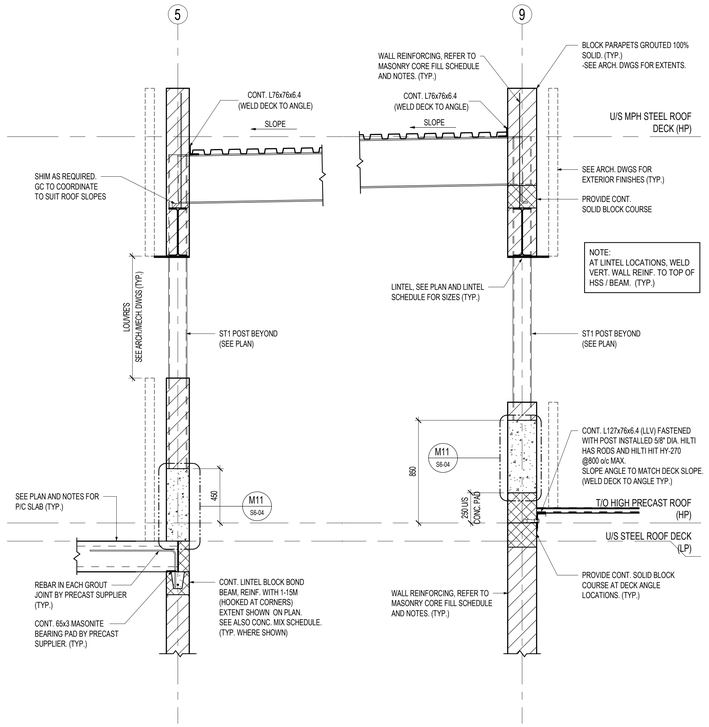
TOWN OF CALEDON,
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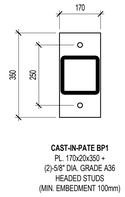
ROOF SECTIONS

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

SCALE 1 : 20	PROJECT 20241729
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CHECKED JG	
PRINT DATE	2026-06-11 11:10:15 AM
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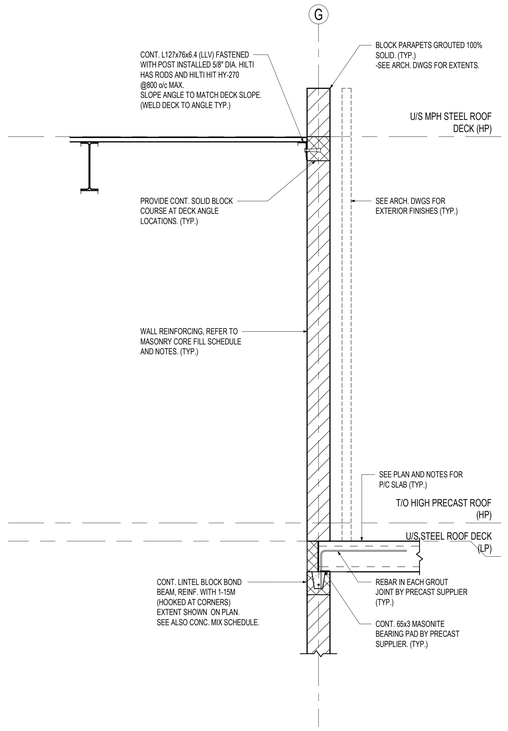


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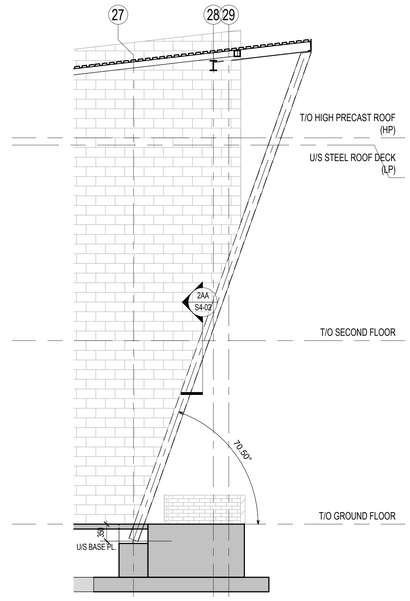


CAST-IN-PLATE BP1
PL. 170x20x350 +
(2)-5/8" DIA. GRADE A36
HEADED STUDS
(MIN. EMBEDMENT 100mm)

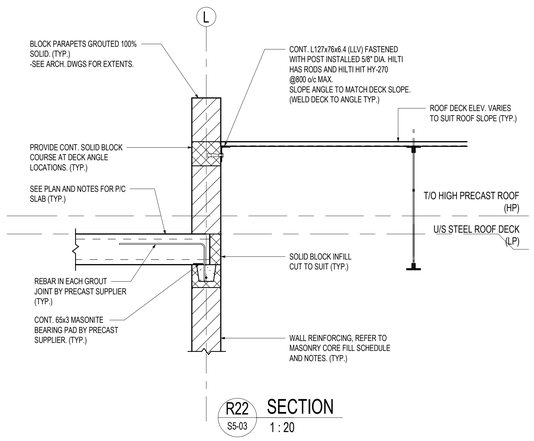
BP1 PLAN DETAIL
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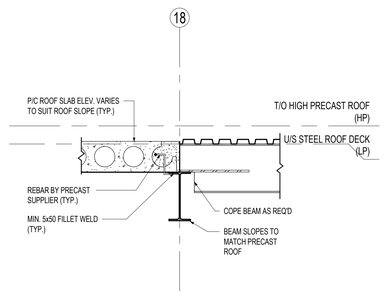
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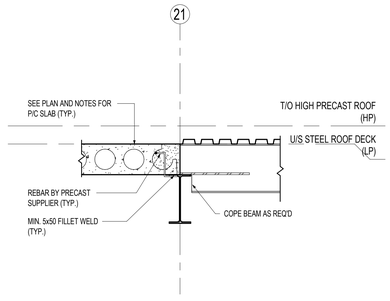
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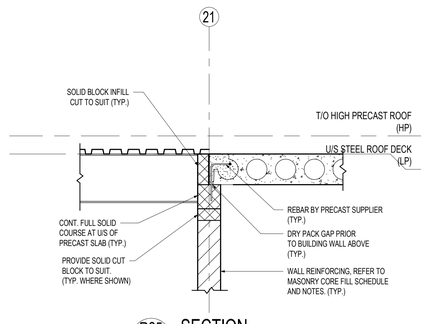
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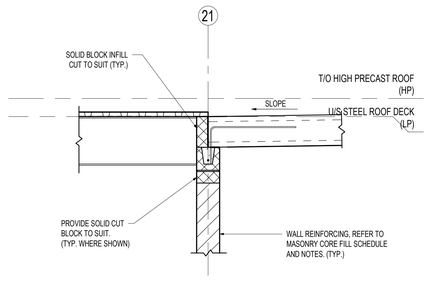
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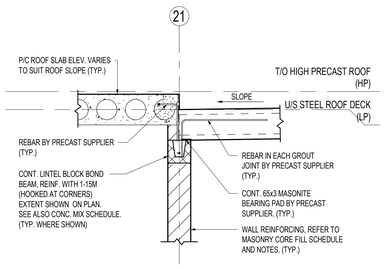
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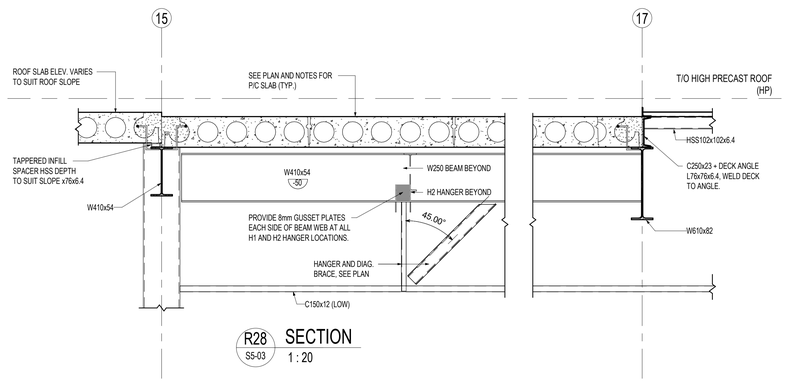
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S5-03 1 : 20



R26 SECTION
S5-03 1 : 20



R27 SECTION
S5-03 1 : 20



R28 SECTION
S5-03 1 : 20

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ROOF SECTIONS

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

SCALE: As indicated	PROJECT: 20241729
DATE: JUNE 2026	
DRAWN: AE	DRAWING: S5-03
CHECKED: JG	
PRINT DATE: 2026-06-11 11:10:16 AM	
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STANDARD ABBREVIATIONS — A01

@	-At	H (HOR)	-Horizontal
ADJ	-Adjustable	HEF	-Horizontal Each Face
AIFB	-Asphalt Impregnated Fibre Board	HIF	-Horizontal Inside Face
ALT	-Alternate	HOF	-Horizontal Outside Face
ARCH	-Architectural	HSC	-Horizontally Slotted Connection
A. RCD(A.R.)	-Anchor Rod	HSS	-Hollow Structural Section
ASL	-Accumulated Snow Loading		
		IF	-Inside Face
B (BOT)	-Bottom	INT	-Interior
BEW	-Bottom Each Way	INV	-Invert
BLDG	-Building		
BLL	-Bottom Lower Layer	JT	-Joint
BM	-Beam		
BML	-Bottom Middle Layer	kg	-Kilogram
BNT	-Base NominalThickness	kN.m	-Kilo Newton Metres
B.O.F.	-Bottom of Footing	kN/m²	-Kilo Newton per Square Metre
BP	-Baseplate	kN/m	-Kilo Newton per Metre
BSMT	-Basement	kPa	-Kilo Pascals
BUL	-Bottom Upper Layer		
		L	-Angle
C	-Standard Channel	LB.	-Pounds
CA	-Column Above	LG	-Long
CANT	-Cantilever	LL	-Live Load / Lower Layer
C/C (c/c)	-Centre to Centre	LLH	-Long Leg Horizontal
CJ	-Control Joint	LLV	-Long Leg Vertical
CL	-Centreline	LSSJ	-Long Span Steel Joists
COL	-Column	LVL	-Laminated Veneer Lumber
COMP	-Compressible		
CONC	-Concrete	m	-Metre
CONST	-Construction	MAX	-Maximum
CONST JT (CJT)	-Construction Joint	MECH	-Mechanical
CONT (CONTN)	-Continuous	MEZZ	-Mezzanine
C/W	-Complete With	MIN	-Minimum
		MISC	-Miscellaneous
D FIR	-Douglas Fir	ML	-Middle Layer
DET	-Detail	MLL	-Middle Lower Layer
DIAG	-Diagonal	mm	-Millimetre
Ø (DIA)	-Diameter	MOM. (M)	-Moment
DIM	-Dimension	MPa	-Mega Pascals
DJ	-Double Joist	MUL	-Middle Upper Layer
DL	-Dead Load		
DO	-Ditto	N	-Newton
DWG	-Drawing	N-S	-North-South
DWL	-Dowel	NF	-Near Face
DT	-Double Tee	NIC	-Not in Contract
		No.(#)	-Number
E-W	-East-West	NTS	-Not to Scale
EA	-Each		
EE	-Each End	OWSJ	-Open Web Steel Joist
EF	-Each Face		
ELECT	-Electrical	Pa	-Pascal
ELEV (EL)	-Elevation / Elevator	PC	-Precast
EQ	-Equal	PL	-Plate
ES	-Each Side	PLF	-Pounds per Lineal Foot
EW	-Each Way	PREL	-Preliminary
EXIST	-Existing	PROJ	-Projection
EXP. JT.	-Expansion Joint	PSF	-Pounds per Square Foot
EXT	-Exterior	PSI	-Pounds per Square Inch
		PSL	-Parallel Strand Lumber
FDN	-Foundation	PT	-Pressure Treated
FF	-Far Face		
FIN	-Finished	R	-Reaction
FL	-Floor	RAD	-Radius
FMC	-Full Moment Connection	REF	-Reference
FT	-Foot / Feet	REINF	-Reinforcing
FTG	-Footing	REQ'D	-Required
		REV	-Revision/Revised
GA	-Gauge	RF	-Factored Vertical Reaction
GALV	-Galvanized	R/W	-Reinforced With
GEN	-General		

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
TM	-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
US	-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 2012 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 RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY 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. 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 CANCSA-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 1 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 SPANS(S) AT INTERIOR BAYS, AND CANTILEVER LENGTH(S) 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 CANCSA -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 STUDRAILS® 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 60 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 10000mm (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. 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 (NOTED UNLESS 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,UN)
      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 CONNECTIONS 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 L'INXINX-6MIN 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

TYPICAL CONCRETE COVER TABLE — C01

VERTICAL ELEMENTS		PROJECT SPECIFIC COMMENTS	BAR SIZE	CONCRETE EXPOSURE						
				NO CHLORIDES WITH FREEZE THAW			NO CHLORIDES OR FREEZE THAW		
				COVER TO ALL FACES (mm)			COVER TO ALL FACES (mm)		
				FIRE RATING (7)			FIRE RATING (7)		
				≤ 2 HR	3 HR	4 HR	≤ 2 HR	3 HR	4 HR
WALLS	ANY WALLS EXPOSED TO FIRE ON ONE SIDE ONLY (FOUNDATION, ELEVATOR AND STAIRS, DEMISING WALLS, FIRE SEPARATION WALLS)		Ø ≤ 25M	40	40	40	25	25	25
	INTERIOR WALLS EXPOSED TO FIRE ON BOTH SIDES SIMULTANEOUSLY		Ø ≤ 25M	40	40	55	40	40	55

ELEMENTS EXPOSED TO EARTH	PROJECT SPECIFIC COMMENTS	BAR SIZE	COVER (mm)	
PERMANENTLY EXPOSED TO SOIL		ALL SIZES	GREATER OF 60mm OR 2.0D	GREATER OF 40mm OR 1.5D
CAST AGAINST AND PERMANENTLY EXPOSED TO SOIL		ALL SIZES	75	

TABLE NOTES
1. CONCRETE COVER SHALL BE MEASURED FROM THE DEEPEST POINT OF TEXTURED CONCRETE SURFACE TO THE NEAREST DEFORMATION OF REINFORCEMENT. REINFORCEMENT INCLUDES TIES, STIRRUPS AND MAIN BARS.
2. FOR FIRE RATING INFORMATION, REFER TO ARCHITECTURAL DRAWINGS.
3. ALL LOAD BEARING ELEMENTS (WALLS AND COLUMNS) IMMEDIATELY BELOW A FLOOR ASSEMBLY MUST HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THAT FOR THE SUPPORTED ASSEMBLY.

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)

f'c	UNCOATED BLACK BAR							
	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)

f'c	UNCOATED BLACK BAR							
	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. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCREASED:
   a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
   b. MULTIPLY BY 1.5 (WHEN COVER OR SPACING ARE LESS THAN ABOVE)
2. 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)
3. 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.
4. FOR 30M 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.

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)

f'c	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	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

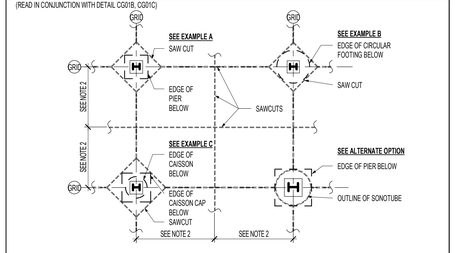
TDL: TENSION DEVELOPMENT LENGTH (mm) CLASS "A" LAP SPLICE

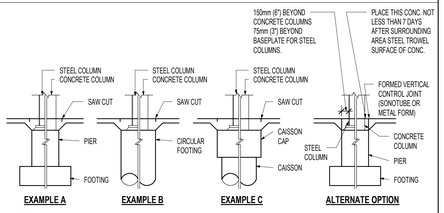
f'c	UNCOATED BLACK BAR											
	10M		15M		20M		25M		30M		35M	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
20MPa	420	330	630	490	840	650	1310	1010	1570	1210	1840	1410
25MPa	380	300	570	440	750	580	1170	900	1410	1080	1640	1260
30MPa	350	300	520	400	690	530	1070	830	1290	990	1500	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. FOR EPOXY COATED BARS THE VALUES IN THE TABLES MUST BE INCRESED:
   a. MULTIPLY BY 1.2 (WHEN CLEAR COVER GREATER THAN 3 X BAR DIAMETER AND CLEAR SPACING GREATER THAN 6 X BAR DIAMETER)
   b. MULTIPLY BY 1.5 (WHEN COVER OR SPACING ARE LESS THAN ABOVE)
2. 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)
3. 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)

SLAB ON GRADE DETAILS — CG01A

(READ IN CONJUNCTION WITH DETAIL CG01B, CG01C)

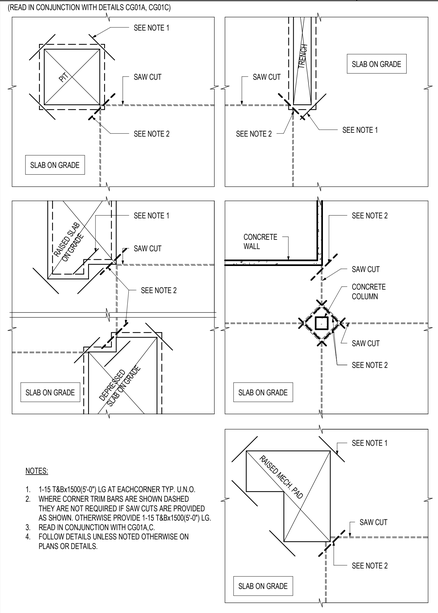




NOTES:
1. SAWCUTTING TO BE DONE AS SOON AS POSSIBLE AFTER SLAB IS PLACED. (MAX. 24 HOURS).
2. JOINTS TO BE AT MAX. 24x SLAB THICKNESS FOR MAXIMUM AGGREGATE SIZE SMALLER THAN 19mm(¾") AND 30 TIMES SLAB THICKNESS FOR AGGREGATE SIZE LARGER THAN 19mm (¾"),BUT NOT MORE THAN 4500mm (14'-9")
3. MAXIMUM RATIO 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.

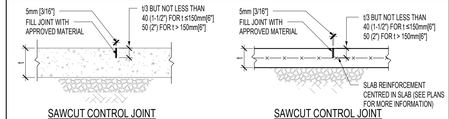
SLAB ON GRADE DETAILS — CG01B

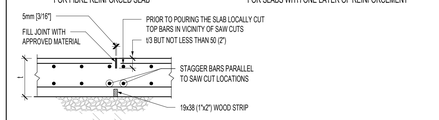
(READ IN CONJUNCTION WITH DETAILS CG01A, CG01C)

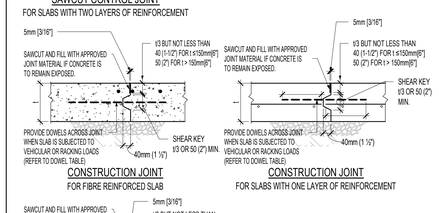


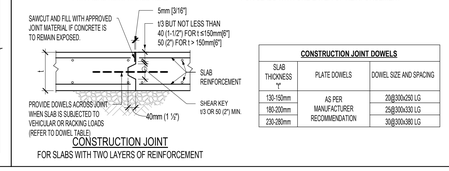
NOTES:
1. 1-15 T&Bx1500(5'-0") LG AT EACHCORNER TYP. U.N.O.
2. WHERE CORNER TRIM BARS ARE SHOWN DASHED THEY ARE NOT REQUIRED IF SAW CUTS ARE PROVIDED AS SHOWN. OTHERWISE PROVIDE 1-15 T&Bx1500(5'-0") LG.
3. READ IN CONJUNCTION WITH CG01A,C
4. FOLLOW DETAILS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

SLAB ON GRADE DETAILS — CG01C







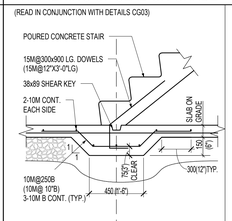


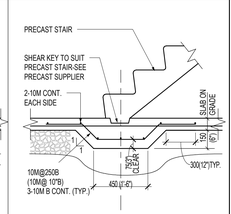
CONSTRUCTION JOINT DOWELS

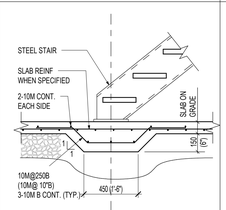
SLAB THICKNESS 'T'	PLATE DOWELS	DOWEL SIZE AND SPACING
130-150mm	AS PER MANUFACTURER RECOMMENDATION	20@300x250 LG
160-200mm		25@300x330 LG
230-280mm		30@300x380 LG

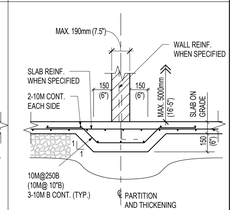
THICKENING OF SLAB ON GRADE — CG02

(READ IN CONJUNCTION WITH DETAILS CG03)



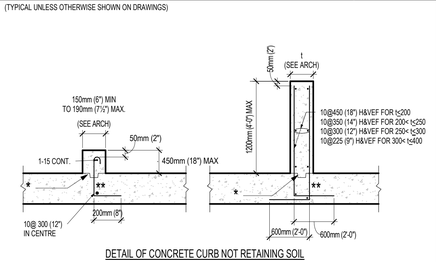






TYPICAL DETAIL OF CONCRETE CURBS ON SLABS — CS17

(TYPICAL UNLESS OTHERWISE SHOWN ON DRAWINGS)



DETAIL OF CONCRETE CURB NOT RETAINING SOIL

★ FOR CORE SLAB APPLICATION, ROUGHEN SLAB, CLEAN AND MOISTEN BEFORE POURING CURBS.

★★ FOR CORE SLAB APPLICATION, DRILL, DOWEL AND EPOXY (WITH SIEVE SLEEVES) REINFORCING INTO CORE SLAB.

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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 — 26-06-17 — J. C. GASDIA — 100169574 — PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
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TYPICAL DETAILS

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

SCALE 1 : 1	PROJECT 20241729
DATE JUNE 2026	
DRAWN AE	DRAWING S6-02
CHECKED JG	
PRINT DATE	2026-06-11 11:10:17 AM
REVIT FILE	

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)
550mm TO 1200mm (22" TO 4'-0")	1-L89x89x6.4 OR 2-L64x44x4.8	1-L127x89x6.4 (LLH) OR 2-L64x44x6.4	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 3080mm (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)
3080mm 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.

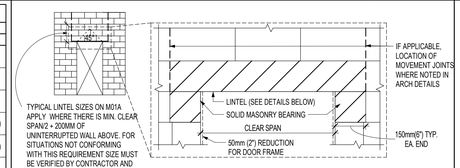
MASONRY BEAM LINTELS

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 3080mm (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	

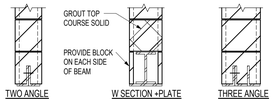
MASONRY BEAM LINTEL NOTES:
1. BEAM MUST BE FILLED WITH MASONRY GROUT (MORTAR IS NOT ACCEPTABLE). REFER TO M03 FOR DETAILS.
2. TEMPORARILY SHORE LINTEL UNTIL GROUT HAS REACHED FULL DESIGN STRENGTH.

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.

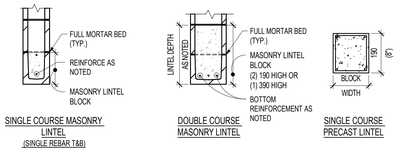
NON-LOAD BEARING BLOCK WALL LINTEL DETAILS — M01B



LINTEL DETAILS

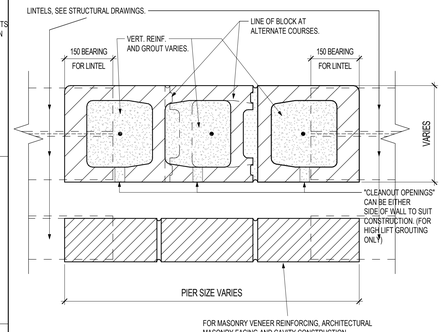


STRUCTURAL STEEL LINTEL DETAILS



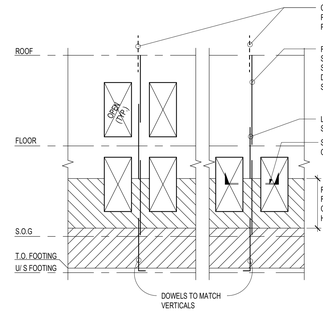
MASONRY AND PRECAST BEAM LINTEL DETAILS

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.

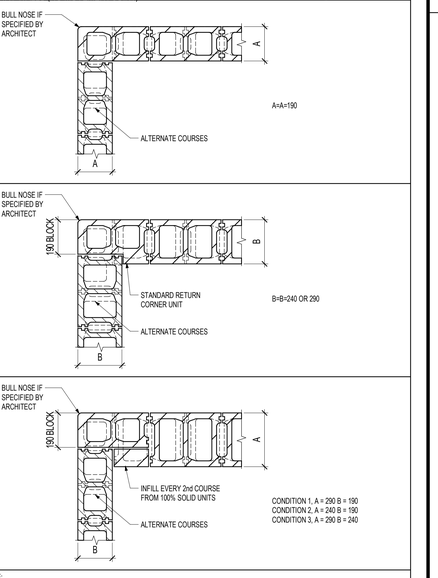
TYPICAL ELEVATION REINFORCED MASONRY WALLS AND PIERS — M04



NOTE:
- PROVIDE MINIMUM CLASS "B" TENSION LAP SPLICES FOR VERTICAL REINFORCING AND HORIZONTAL BOND BEAM REINFORCING :
  - 10M - 450mm (18")
  - 15M - 650mm (2'-2")
  - 20M - 850mm (2'-9")

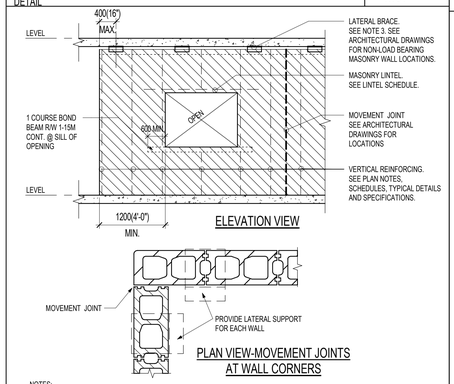
  NOTE: WHERE MORE THAN 1 BAR PER CELL INCREASE LAP LENGTH BY 33%
- LAP ALL HORIZONTAL LADDER TYPE REINFORCING 500mm.
  - ANY CROSSWIRES WITHIN LAP LENGTH SHALL BE REMOVED.
  - LAPS SHALL BE STAGGERED A MINIMUM OF 750mm FROM COURSE TO COURSE.

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.

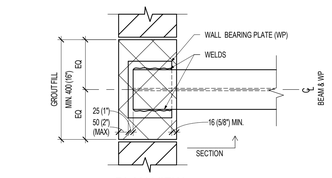
NON LOAD-BEARING MASONRY WALL REINFORCING SCHEDULE (FOR SC1 & SC2 SEISMIC SITE DESIGNATION) — M07A

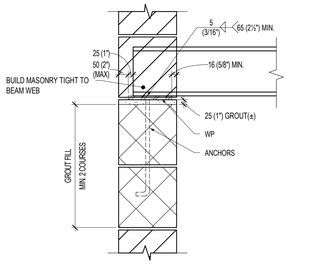
INTERIOR WALLS ABOVE GRADE

BLOCK	MAXIMUM HEIGHT	VERTICAL REINFORCING	HORIZONTAL REINFORCEMENT
140	3400 [11'-4"]	15 @ 1200 [4'-0"] o/c	9 GA @ 400mm (1'-4") o/c MAX. "LADDER" TYPE
190	5200 [17'-4"]		
240	6400 [21'-4"]	20 @ 1200 [4'-0"] o/c	

NOTES:
MINIMUM 600MM WIDE PIER BETWEEN ADJACENT OPENINGS, PIER MUST BE CONTINUOUS FROM BASE OF TO LATERAL SUPPORT POINT AT TOP OF .
- AVERAGE OPENING SIZE ON EITHER SIDE OF PIER LIMITED TO 1400mm FOR REINFORCED NON LOAD-BEARING WALL
-FOR UNREINFORCED NON LOAD-BEARING, MAX. OPENING WIDTH MUST NOT EXCEED PIER LENGTH.
-REINFORCING SCHEDULE APPLIES FOR NON LOAD-BEARING 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
ALLOWABLE PARTITION HEIGHTS ARE BASED ON 15MPa NORMAL DENSITY BLOCK w/ TYPE 'S' MORTAR.

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



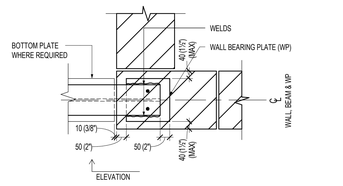


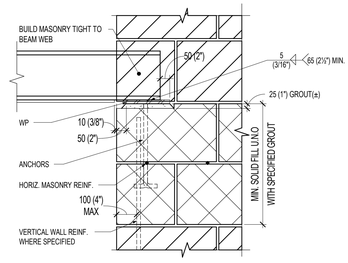
NOTE:

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



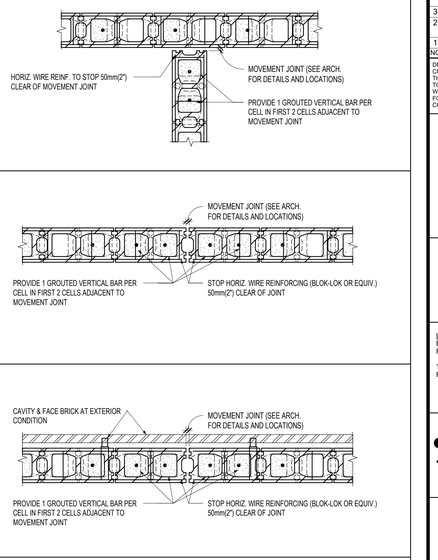


NOTE:

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

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3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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REGISTERED PLAN 43M-2114

TOWN OF CALEDON,
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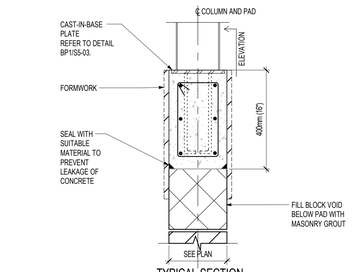
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
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TYPICAL DETAILS

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

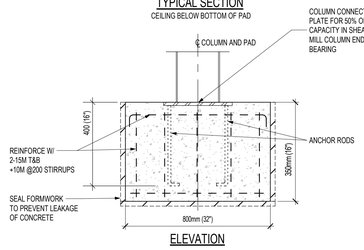
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DATE JUNE 2026	
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PRINT DATE	2026-06-11 11:10:18 AM
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TYPICAL CONCRETE PAD UNDER STEEL COLUMN BEARING ON MASONRY WALL — M11



TYPICAL SECTION

CEILING BELOW BOTTOM OF PAD

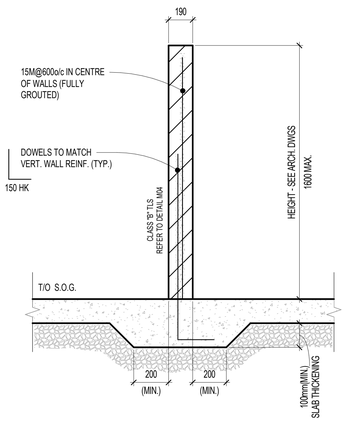


ELEVATION

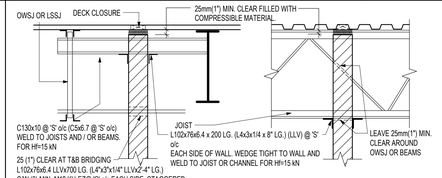
TYPICAL CONCRETE PAD AT COLUMN BEARING ON MASONRY WALL

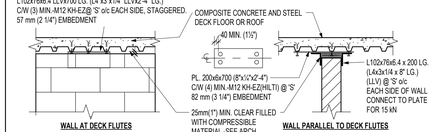
NOTE:
1. REFER TO PLANS FOR LOCATION OF PADS.
2. CONCRETE STRENGTH 25 MPa (CLASS N) UNLESS NOTED.

TYPICAL LOW BLOCK PARTITION WALL SUPPORT DETAIL — M12

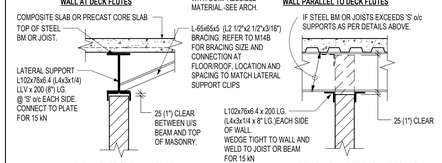


TYPICAL LATERAL SUPPORT AT NON-LOAD BEARING MASONRY WALLS — M14A_2024





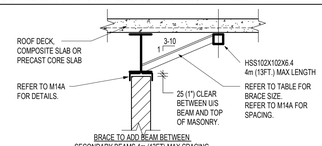
WALL AT DECK FLUTES — **WALL PARALLEL TO DECK FLUTES**



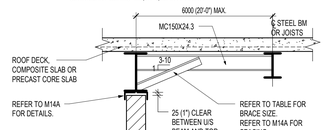
WALL PARALLEL TO OWSJ AND/ OR BEAM — **WALL PERPENDICULAR TO OWSJ AND/ OR BEAM**

NOTES:
1. PROVIDE 25mm MIN COMPRESSIBLE MATERIAL BETWEEN TOP OF NON-LOAD BEARING WALL AND UNDERSIDE OF STRUCTURE. TYPICAL UNLESS NOTED OTHERWISE
2. UNREINFORCED NON-LOAD BEARING MASONRY WALL.
   2.1 PROVIDE LATERAL SUPPORTS FOR ALL MASONRY WALLS WHEN SPACING BETWEEN RETURN WALLS EXCEEDS 20t FOR INTERIOR WALLS IN ACCORDANCE WITH THE SPACING NOTED ON M07.
   2.2 MINIMUM LENGTH OF RETURN WALL IS 10t. IF RETURN WALL IS SHORTER THAN 10t., PROVIDE LATERAL SUPPORT PER DETAILS SHOWN ABOVE. REFER TO M15 FOR SPACING 'S'
   2.3 MAXIMUM DISTANCE FROM END OF ANY WALL TO THE CENTERLINE OF THE FIRST LATERAL SUPPORT IS 600mm(2'-0")
3. 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

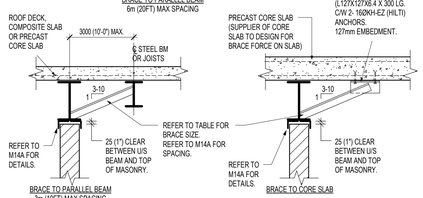
TYPICAL BRACE SUPPORTING NON-LOAD BEARING MASONRY WALLS — M14B



BRACE TO ADD BEAM BETWEEN SECONDARY BEAMS 4m (13FT) MAX SPACING



BRACE TO PARALLEL BEAM 6m (20FT) MAX SPACING



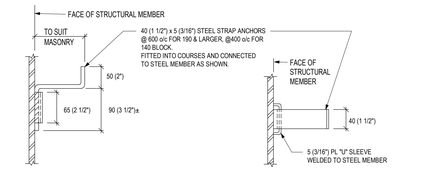
BRACE TO PARALLEL BEAM 3m (10FT) MAX SPACING — BRACE TO CORE SLAB

NOTES:
1. SELECT BRACE SIZES FROM TABLE BELOW ACCORDING TO BRACE LENGTH.

BRACING SECTION	MAXIMUM LENGTH	FORCE Cf. Tf (kN)
L44x44x4.8	1150 (3'-9")	15
L51x51x4.8	1600 (5'-3")	15
L64x64x4.8	2000 (6'-6")	15
L76x76x4.8	2700 (8'-10")	15
L76x76x4.8	3250 (10'-8")	15

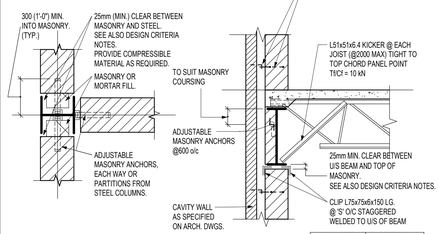
2. MAINTAIN BRACE SLOPE AS PER SKETCH.

ADJUSTABLE MASONRY ANCHORS TO STRUCTURAL STEEL — M15



ELEVATION — PLAN

MASONRY ANCHOR DETAILS



PLAN OF ANCHORS AT STEEL COLUMN

SECTION OF ANCHORS AT PERIMETER STEEL BEAM

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.

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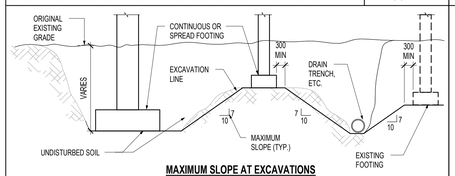
peel District School Board
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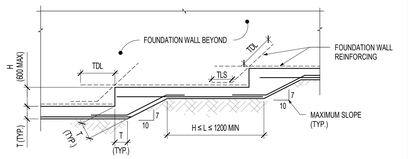
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STEPPED FOUNDATION AND CONSTRUCTION EXCAVATION F09



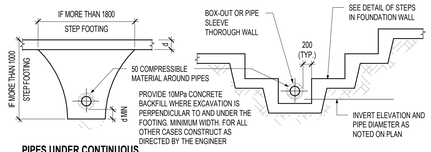
MAXIMUM SLOPE AT EXCAVATIONS

NOTES:
1. WHERE TRENCHING OR EXCAVATING AT ADJACENT FOOTING SATISFY THE MAXIMUM SLOPE REQUIREMENT SHOWN ABOVE.
2. IF EXCAVATION REQUIREMENTS VIOLATE SLOPE REQUIREMENTS PROVIDE PLANS FOR REMEDIAL MEASURES (BRACING OR UNDERPINNING) TO THE CONSULTANT PRIOR TO PROCEEDING



STEPS IN FOUNDATION WALL

NOTES:
1. STEPS IN FOUNDATION WALLS TO FOLLOW THE GEOMETRY SHOWN ABOVE UNLESS NOTED OTHERWISE ON PLANS



PIPES UNDER CONTINUOUS WALL FOOTINGS

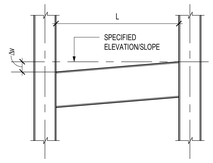
PIPES REQUIRING STEPPED FOOTINGS

ERECTION TOLERANCES FOR STEEL BEAMS SB02A

(READ IN CONJUNCTION WITH SB02B)

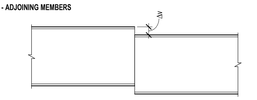
1. **VERTICAL DEVIATION FROM SPECIFIED ELEVATION/SLOPE.**

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



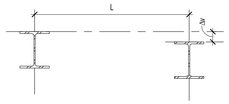
2. **VERTICAL DEVIATION FROM SPECIFIED ELEVATION - ADJOINING MEMBERS**

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



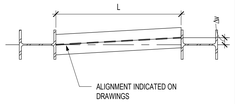
3. **VERTICAL DEVIATION FROM ADJACENT BEAMS**

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

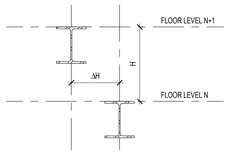
1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.

ERECTION TOLERANCES FOR STEEL BEAMS SB02B

(READ IN CONJUNCTION WITH SB02A)

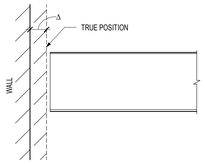
5. HORIZONTAL DEVIATION FROM ADJACENT BEAMS

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

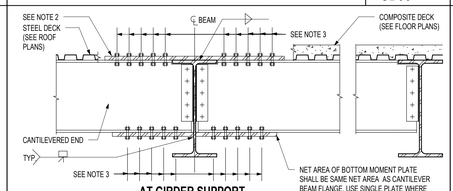
Δ = ±25mm (1")



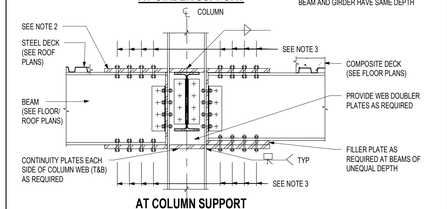
NOTES

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.

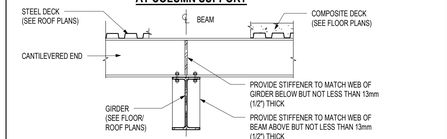
STEEL BEAM AND GIRDER MOMENT CONNECTIONS SB03



AT GIRDER SUPPORT



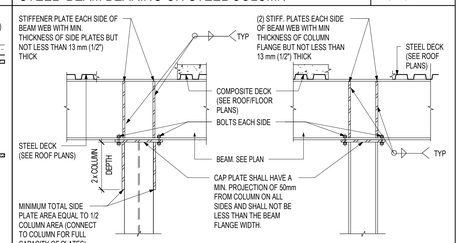
AT COLUMN SUPPORT



CANTILEVER OVER GIRDER SUPPORT

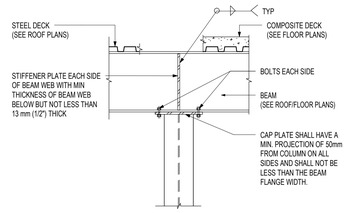
NOTE:
1. THE STRUCTURAL STEEL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE FINAL CONNECTION CONFIGURATION, DESIGN AND DETAILING OF THE CONNECTION DETAILED DESIGN CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WITH THE SUBMISSION OF THE SHOP DRAWINGS.
2. PROVIDE DECK SUPPORT IN AREA OF MOMENT CONNECTION AS REQUIRED
3. PRETENSIONED BOLTS IN SLIP CRITIAL CONNECTION TO DEVELOP FULL MOMENT CAPACITY OF BEAM, UNLESS NOTED OTHERWISE

STEEL BEAM BEARING ON STEEL COLUMN SB04



COLUMN WEB PERPENDICULAR TO BEAM WEB

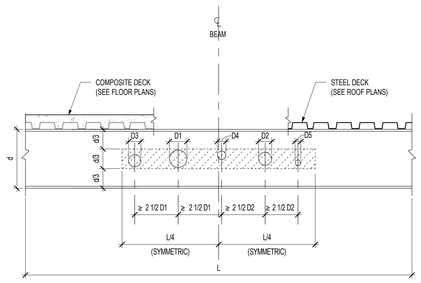
COLUMN WEB PARALLEL TO BEAM WEB



COLUMN WEB PERPENDICULAR TO BEAM WEB

NOTES:
1. THE DESIGN OF THE STRUCTURAL STEEL CONNECTIONS ARE THE RESPONSIBILITY OF THE STEEL CONTRACTOR. DESIGN CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS FOR REVIEW. ANY ALTERATIONS TO THE BASIC CONFIGURATIONS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL CONSULTANT.
2. PROVIDE SQUARED MILL END OF COLUMNS MEETING CODE REQUIREMENTS FOR TOLERANCE LIMIT.

UNREINFORCED OPENINGS IN STEEL BEAM WEBS SB06



NOTES:

1. UNREINFORCED CIRCULAR HOLES MAY BE PLACED WITHIN HATCHED ZONE WITHOUT AFFECTING THE STRENGTH OF THE BEAM FOR DESIGN PURPOSES PROVIDED.
   A. BEAM SUPPORTS UNIFORMLY DISTRIBUTED LOAD ONLY.
   B. BEAM SECTIONS HAS AN AXIS OF SYMMETRY IN PLANE OF BENDING.
   C. SPACING MUST BE ≥ 2 ½ TIMES THE DIAMETER OF THE LARGER OF ANY TWO ADJACENT OPENINGS, AS SHOWN IN DIAGRAM ABOVE. (D1, D2, D3, D4, D5)
   D. MUST BE CLASS 1 OR CLASS 2 W SECTION BEAMS
2. ALL OPENINGS TO BE SHOWN ON SHOP DRAWINGS SUBMITTED FOR REVIEW.

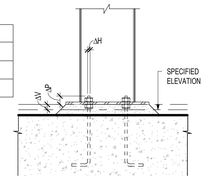
ERECTION TOLERANCES FOR STEEL COLUMNS SC01A

(READ IN CONJUNCTION WITH SC01B, SAB02)

1. VERTICAL DEVIATION FROM SPECIFIED ELEVATION.

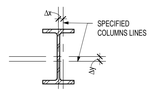
ANCHOR BOLTS:	ΔP = ± 30mm (1-3/16") = - 5mm (3/16")
	ΔH = 3mm (1/8")
BASE PLATE:	ΔV = ± 5mm (3/16") 'SIMPLE CONSTRUCTION
	= ± 3mm (1/8") 'CONTINUOUS CONSTRUCTION

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



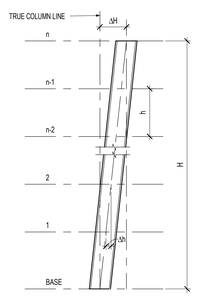
2. HORIZONTAL DEVIATION FROM SPECIFIED POSITION.

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

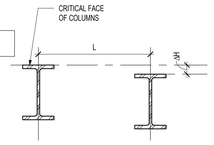
1. TOLERANCES PROVIDED IN THE DETAIL ABOVE SHALL NOT SUPERSEDE THE VALUES INDICATED IN CSA S16 AND REFERENCED DOCUMENTS.

ERECTION TOLERANCES FOR STEEL COLUMNS SC01B

(READ IN CONJUNCTION WITH SC01A)

3. HORIZONTAL DEVIATION FROM ADJACENT COLUMNS.

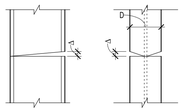
BASE LEVEL OR SPLICE LEVEL:	ΔH = 10mm (3/8") OR = L/1000



4. GAP BETWEEN BEARING SURFACES.

ΔMAX = 6mm (1/4)*

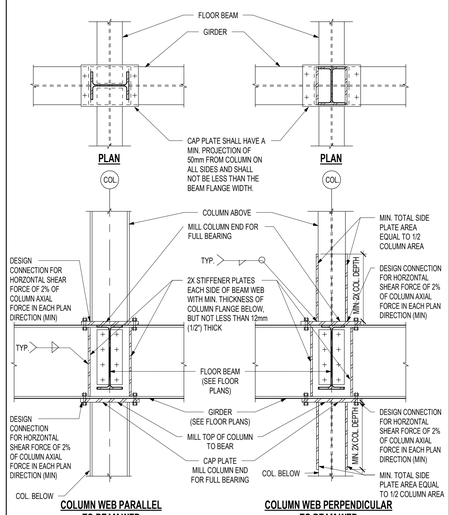
* PACK GAP WITH NON TAPERED STEEL SHIMS UNTIL AT LEAST 65% OF THE CROSS SECTIONAL AREA IS BEARING.



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 COLUMN BEARING THROUGH BEAM SC06

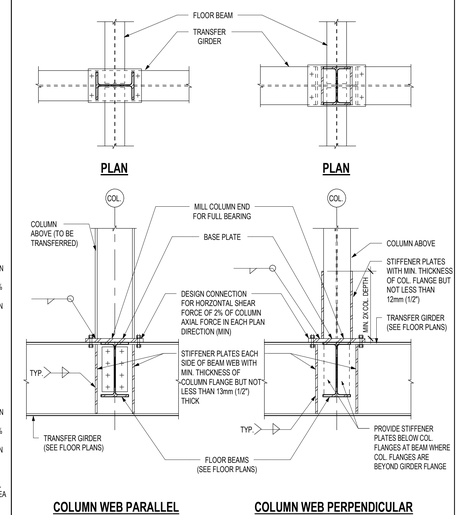


COLUMN WEB PARALLEL TO BEAM WEB

COLUMN WEB PERPENDICULAR TO BEAM WEB

NOTES:
1. DETAILS ARE REPRESENTATIVE ONLY. THE DESIGN OF THE STRUCTURAL STEEL CONNECTIONS ARE THE RESPONSIBILITY OF THE STEEL CONTRACTOR. DESIGN CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS FOR REVIEW. ANY ALTERATIONS TO THE BASIC CONFIGURATIONS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL CONSULTANT.

STEEL COLUMN BEARING ON STEEL BEAM SC07



COLUMN WEB PARALLEL TO BEAM WEB

COLUMN WEB PERPENDICULAR TO BEAM WEB

NOTES:
1. DETAILS ARE REPRESENTATIVE ONLY. THE DESIGN OF THE STRUCTURAL STEEL CONNECTIONS ARE THE RESPONSIBILITY OF THE STEEL CONTRACTOR. DESIGN CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS FOR REVIEW. ANY ALTERATIONS TO THE BASIC CONFIGURATIONS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL CONSULTANT.

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

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
26-06-17
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

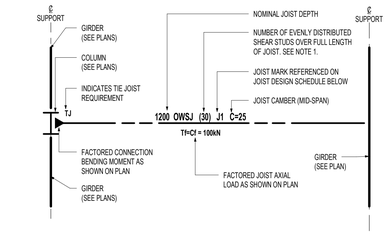
TYPICAL DETAILS

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

SCALE 1 : 1	PROJECT 20241729
DATE JUNE 2026	
DRAWN AE	DRAWING S6-05
CHECKED JG	
PRINT DATE	2026-06-11 11:10:19 AM
REVIT FILE	

OWSJ DESIGNATIONS AND DESIGN INFORMATION — SJ01A

(READ IN CONJUNCTION WITH SF AND SJ SERIES DETAILS)

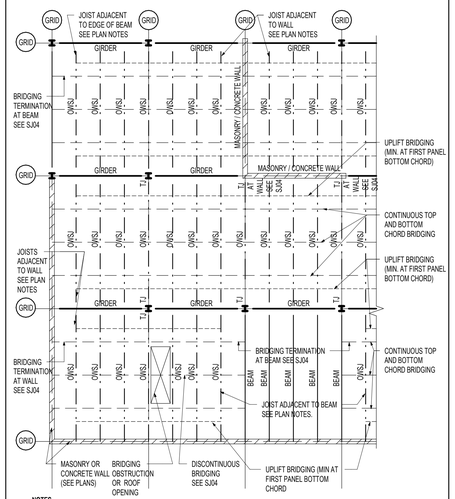


JOIST DESIGN SCHEDULE

MARK	ADDITIONAL JOIST LOADING REQUIREMENTS (READ IN CONJUCTION WITH ROOF LOADING SCHEDULE)			ADDITIONAL GEOMETRIC REQUIREMENTS		
	TYPE	LOCATION	INFORMATION	ADDITIONAL NOTES	STIFFNESS AND SEVICEABILITY	GEOMETRI C VARIATION S

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

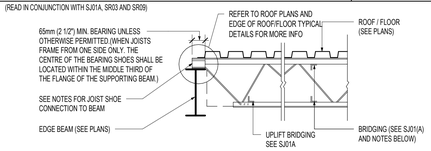
OWSJ ROOF FRAMING DETAILS — SJ01B



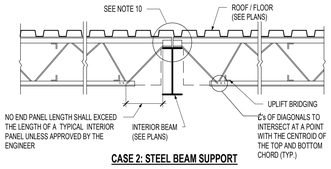
NOTES
1. THE REPRESENTATIVE BRIDGING SHOWN DOES NOT INCLUDE ERECTION OR CONSTRUCTION BRIDGING WHICH MAY BE REQUIRED BASED ON PROJECT SPECIFIC CONDITIONS.
2. EACH LINE OF BRIDGING SHALL BE ADEQUATELY ANCHORED AT EACH END TO BRACED WALLS OR TO MAIN COMPONENTS OF THE STRUCTURAL FRAME, IF PRACTICABLE. IF 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.

OWSJ SUPPORTING DECKING — SJ01C

(READ IN CONJUNCTION WITH SJ01A, SR03 AND SR09)



CASE 1: STEEL BEAM SUPPORT

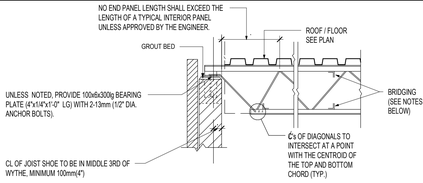


CASE 2: STEEL BEAM SUPPORT

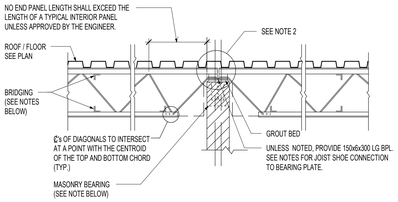
NOTES:
1. FABRICATION AND ERECTION OF O.W.S.J. SHALL CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE (LATEST EDITION)
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PLACING DECKING OVER O.W.S.J. TO AVOID LATERAL DEFLECTION AND TWISTING OF JOISTS. THIS APPLIES PARTICULARLY TO FREE 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

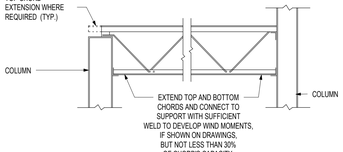


CASE 4: MASONRY WALL SUPPORT

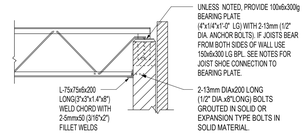
NOTES:
1. AS A MINIMUM AND UNLESS OTHERWISE NOTED, CENTERED UNDER EACH OWSJ BEARING PROVIDE ONE OF:-
   i) 3 COURSES OF BRICKS x 400mm (16") LONG MIN.
   ii) 1 COURSE OF SOLID BLOCK x 400mm (16") LONG MIN.
   iii) 1 COURSE OF GROUT FILLED BLOCK x 400mm (16") LONG MIN.
   iv) 1 COURSE OF GROUT FILLED 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

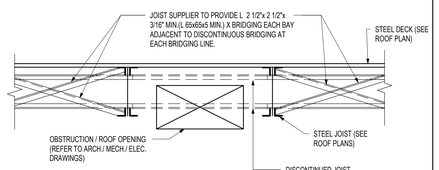


TIE JOISTS FOR STEEL STRUCTURES

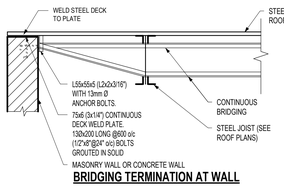


TIE JOISTS FOR MASONRY STRUCTURES

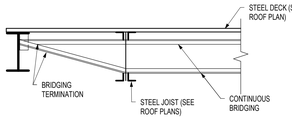
OWSJ BRIDGING DETAILS — SJ02



DISCONTINUOUS BRIDGING AT OBSTRUCTION / OPENINGS



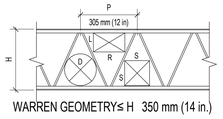
BRIDGING TERMINATION AT WALL



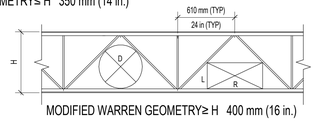
BRIDGING TERMINATION AT BEAM (NOT SUBJECT TO TORSION)

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



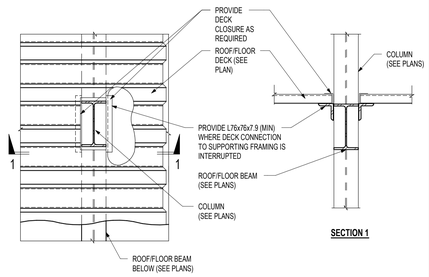
WARREN GEOMETRY≤ H 350 mm (14 in.)



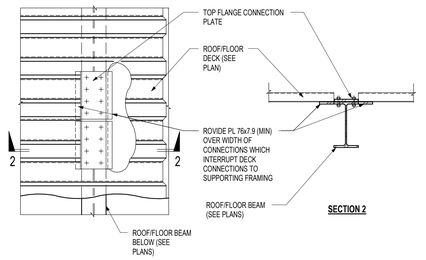
MODIFIED WARREN GEOMETRY≥ H 400 mm (16 in.)

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.

DECK SUPPORT PLATES/ANGLES — SM01

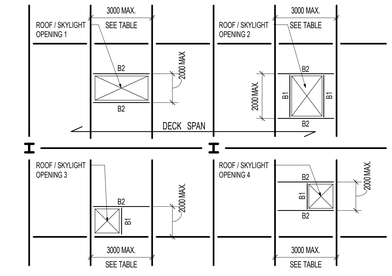


SECTION 1



SECTION 2

ROOF FRAMING AT OPENINGS IN ROOF DECK — SR01



TYPICAL ROOF OPENINGS IN DECK

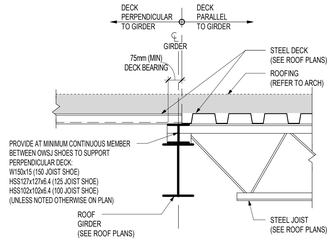
ROOF OPENING				
SPAN (mm)	BEAM 1 (B1)		BEAM 2 (B2)	
	SIZE	CONNECTION	SIZE	CONNECTION
0-1500	C100x8	5 kN	C100x8	10 kN
1500-3000	C100x8	10 kN	C150x12	20 kN

TYPICAL SKYLIGHT OPENINGS IN DECK

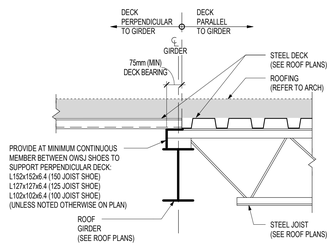
SKYLIGHT OPENING 2				
SPAN (mm)	BEAM 1 (B1)		BEAM 2 (B2)	
	SIZE	CONNECTION	SIZE	CONNECTION
0-1500	C100x8	10 kN	C150x12	15 kN
1500-3000	C100x8	10 kN	C200x17	20 kN

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=0.59kPa
   SDL=0.91kPa
   SNOW=1.66kPa
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)

NO	ISSUED / REVISION	DATE
5	ISSUED FOR TENDER	JUNE/17/26
4	ISSUED FOR FINAL COORDINATION	FEB/09/26
3	ISSUED FOR PERMIT	OCT/14/25
2	ISSUED FOR PROGRESS REVIEW	JULY/31/25
1	ISSUED FOR 85% CD	JUNE/24/25

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ALL DISCREPANCIES 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.

LICENSED PROFESSIONAL ENGINEER
26-06-17
J. C. GASDIA
100169574
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

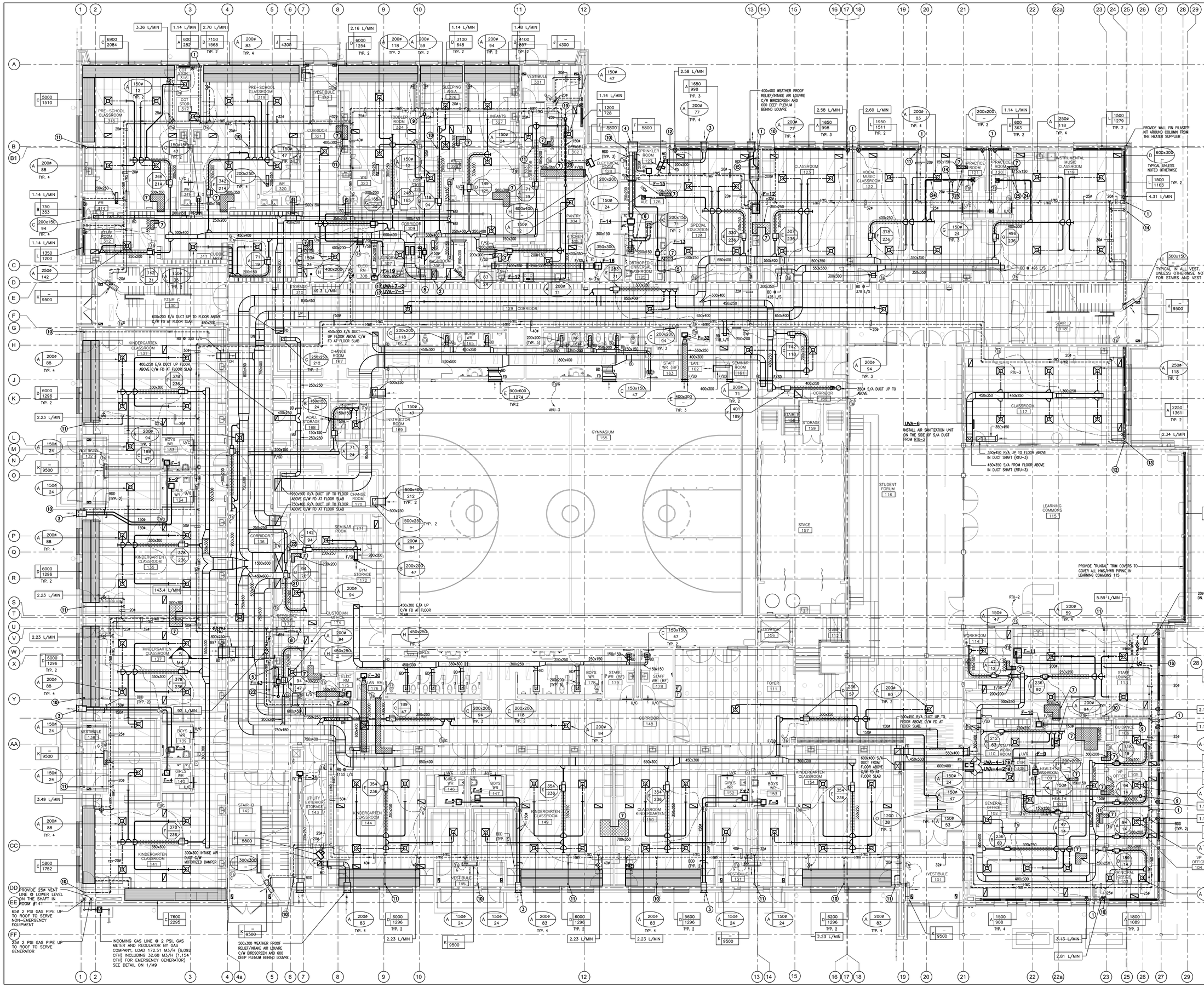
TOWN OF CALEDON,
REGIONAL MUNICIPALITY OF PEEL

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

TYPICAL DETAILS

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

SCALE 1 : 1	PROJECT 20241729
DATE JUNE 2026	
DRAWN AE	DRAWING S6-06
CHECKED JG	
PRINT DATE	2026-06-11 11:10:20 AM
REVIT FILE	



TRUE NORTH

PROJECT NORTH

GENERAL NOTES

1. UNLESS OTHERWISE NOTED HWS & HWR PIPING TO CABINET UNIT HEATERS, UNIT HEATERS, WALL FINS, RADIANT PANELS & REHEAT COILS IS 20#.
2. PROVIDE FIRE CAULKING FOR ALL PENETRATIONS THRU FIRE SEPARATIONS.

KEYED NOTES

1. 20# HWS/HWR DN. TO HEATERS
2. 800x400 S/A & 850x300 R/A DUCT FROM FLOOR ABOVE IN DUCT SHAFT
3. 400x300 WEATHER PROOF RELIEF/INTAKE AIR LOUVRE C/W BIRDSCREEN AND 600 DEEP PLENUM BEHIND LOUVRE
4. 700x400 WEATHER PROOF RELIEF AIR LOUVRE C/W BIRDSCREEN AND 600 DEEP PLENUM BEHIND LOUVRE
5. 100# ALUMINUM WATER SEALED DRYER EXHAUST DUCT FROM DRYER TO LINT TRAP. 150# FROM LINT TRAP TO FAN INLET AND RELIEF AIR PLENUM OR GOOSENECK. LINT TRAP IN VERTICAL BY DIV. 23. ALL DUCT TO BE ALUMINUM WATER SEALED
6. PROVIDE ALUMINUM WATER TIGHT DUCT FROM GRILLE TO PLENUM
7. ACOUSTICALLY LINED TRANSFER DUCT IN CEILING SPACE
8. 65# HWS/HWR PIPING FROM ABOVE
9. 150# E/A DUCT UP TO GOOSENECK ON ROOF C/W 800 UNDER ROOF DECK
10. 20# HWS PIPING FROM FLOOR ABOVE
11. 20# HWS PIPING UP TO FLOOR ABOVE
12. 20# HWS PIPING DN. AND UP TO HEATERS
13. 20# HWR PIPING DN. AND UP TO HEATERS
14. 20# HWS AND HWR PIPING UP TO FLOOR ABOVE
15. 100# ALUMINUM WATER SEALED DRYER EXHAUST DUCT FROM DRYER TO LINT TRAP. 150# FROM LINT TRAP TO RELIEF AIR PLENUM OR GOOSENECK. LINT TRAP IN VERTICAL BY DIV. 23. ALL DUCT TO BE ALUMINUM WATER SEALED
16. 200# E/A DUCT UP TO GOOSENECK ON ROOF C/W 800 UNDER ROOF DECK
17. INSTALL AIR SANITIZATION UNIT ON THE BOTTOM OF S/A DUCT FROM RTU-4
18. INSTALL AIR SANITIZATION UNIT ON THE SIDE & BOTTOM OF S/A DUCT FROM RTU-1
19. 150# E/A DUCT UP TO GOOSENECK ON ROOF C/W 800 UNDER ROOF DECK
20. 150# E/A DUCT C/W ULC LISTED 3Hr FIRE RATED DUCT WRAP FROM THE WALL OF KITCHEN #312 TO ROOF DECK. FIRE RESISTANCE RATING TO MATCH RATING OF ASSEMBLY BEING PENETRATED.
21. 750x500 R/A DUCT UP TO FLOOR ABOVE C/W FD AT FLOOR SLAB
22. 1500x800 S/A DUCT UP TO FLOOR ABOVE C/W FD AT FLOOR SLAB
23. 150# ALUMINUM DRYER EXHAUST DUCT UP TO ABOVE C/W FD AT FLOOR SLAB
24. PERFORATED ALUMINUM CORE FLEXIBLE ACOUSTIC DUCT FLEXMASTER T/A-4-T/L
25. DUCT THROUGH ACOUSTIC WALL, SEE DETAIL

3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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LICENSED PROFESSIONAL ENGINEER
S. WANG
100118018
JUNE 16/26
POR #2403
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

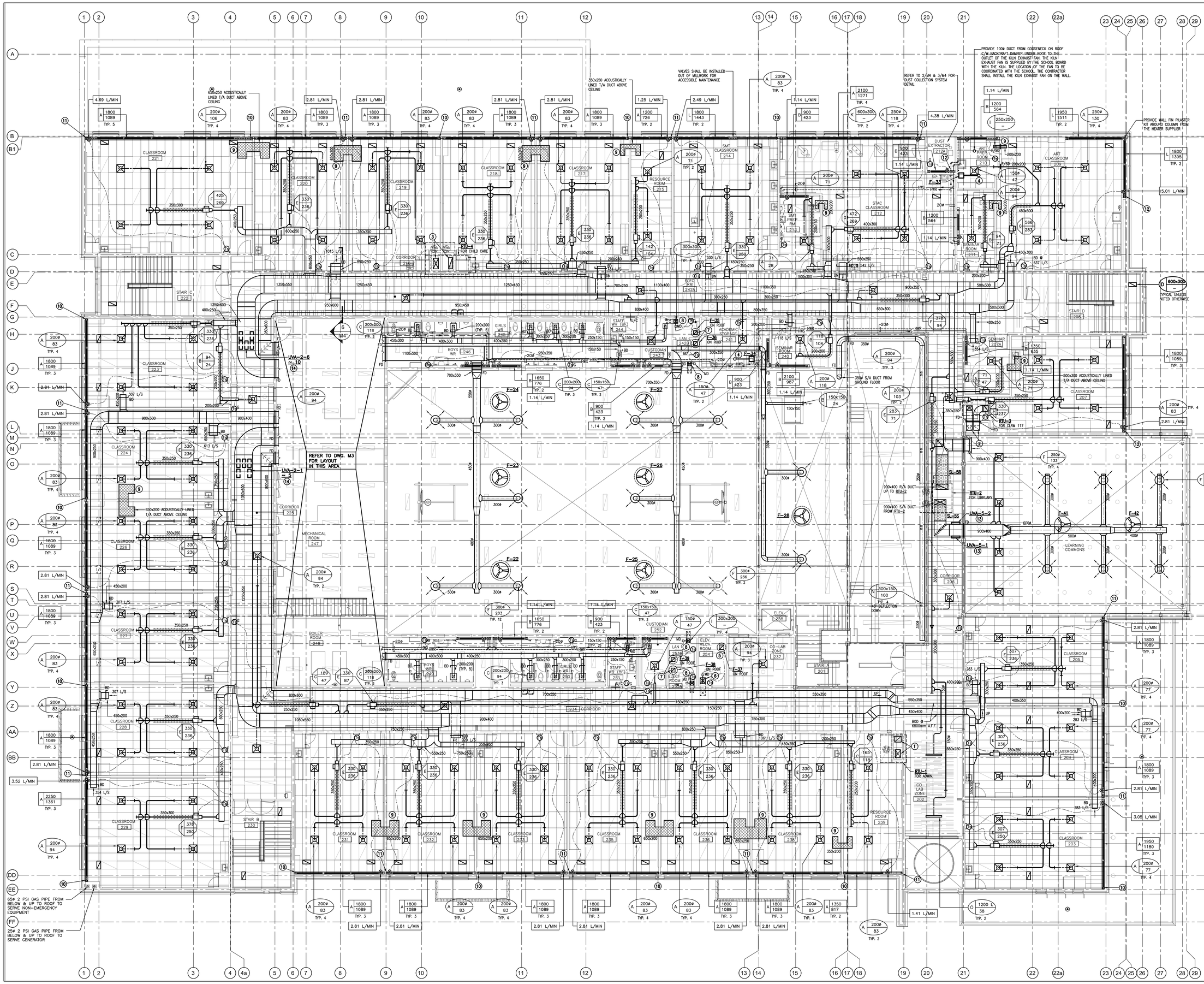
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - GROUND FLOOR PLAN

rybka Ellard Willson

SCALE 1:100	PROJECT 24112
DATE JUNE 2026	
DRAWN J.Y.	DRAWING M1
CHECKED SW	
PRINT DATE	2026-06-16
REVIT FILE	

24036



GENERAL NOTES

1. UNLESS OTHERWISE NOTED HWS & HWR PIPING TO CABINET UNIT HEATERS, UNIT HEATERS, WALL FINS, RADIANT PANELS & REHEAT COILS IS 20#
2. ALL DUCTWORK FROM RTU OPENINGS TO SILENCERS SHALL BE CONSTRUCTED WITH HTL DUCTWORK

KEYED NOTES

1. 600x400 S/A & 500x450 R/A DUCT FROM RTU-1 ON ROOF DN. TO BELOW C/W 15's AT FLOOR SLAB, SILENCERS SL-45 AND SL-48 IN VERTICAL
2. 450x350 S/A & R/A DUCT FROM RTU-3 ON ROOF, OFFSET IN CEILING SPACE AND DN. TO BELOW IN DUCT SHAFT, SILENCERS SL-65 AND SL-68 IN VERTICAL
3. 800x400 S/A & 850x300 R/A DUCT FROM RTU-4 ON ROOF AND DN. TO BELOW IN DUCT SHAFT, SILENCERS SL-75 AND SL-78 IN VERTICAL, THE R/A DUCT OFFSET INSIDE ROOF CURB & CONNECTED TO ROOFTOP UNIT.
4. 150# E/A DUCT UP TO GOOSENECK ON ROOF C/W BDD UNDER ROOF DECK
5. 350x300 E/A DUCT UP TO ROOF MTD. FAN FROM 3000mm AFF C/W WIRE MESH AT INLET
6. 450x400 INTAKE AIR DUCT FROM GOOSENECK ON ROOF DN. TO 3000mm AFF C/W MOTORIZED DAMPER AND WIRE MESH AT OUTLET
7. 300x300 E/A DUCT FROM CEILING GRILLE UP TO ROOF MTD. FAN
8. 300x300 INTAKE AIR DUCT FROM GOOSENECK ON ROOF DN. TO CEILING GRILLE C/W MOTORIZED DAMPER
9. ACOUSTICALLY LINED TRANSFER DUCT IN CEILING SPACE
10. 20# HWR PIPING DN. TO FLOOR BELOW
11. 20# HWS PIPING FROM FLOOR BELOW
12. 20# HWS AND HWR PIPING FROM FLOOR BELOW
13. INSTALL AIR SANITIZATION UNIT ON THE SIDE OF S/A DUCT FROM RTU-2
14. INSTALL FIVE (5) AIR SANITIZATION UNITS ON THE BOTTOM OF S/A DUCT FROM RTU-2

3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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LICENSED PROFESSIONAL ENGINEER S. WANG 100118018 JUNE 16/26 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block: 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

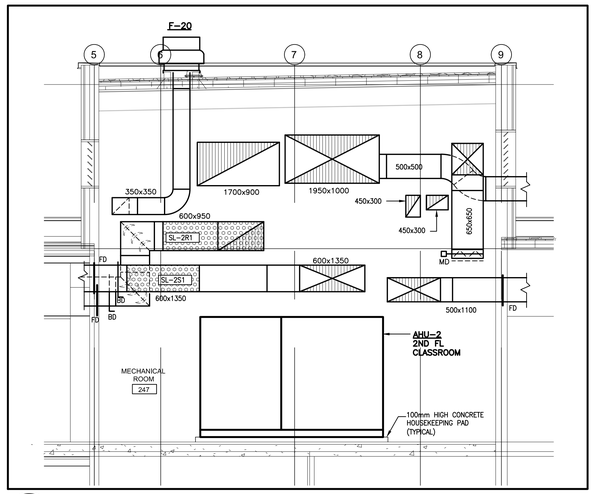
peel District School Board
5650 HURONTARIO STREET,
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - SECOND FLOOR PLAN

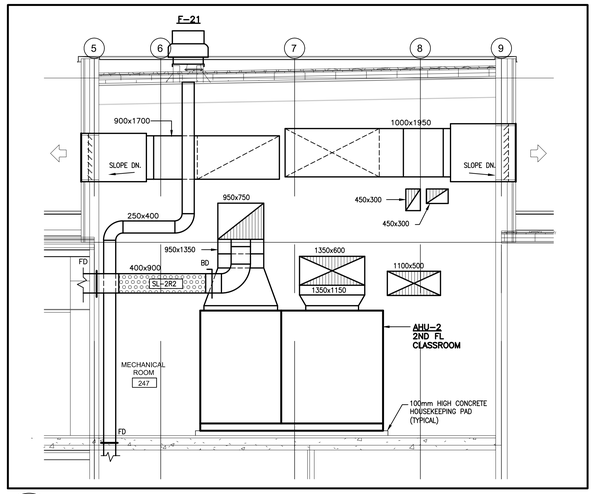
rybka Ellard Wilson

SCALE 1:100	PROJECT 24112
DATE JUNE 2026	
DRAWN J.Y.	DRAWING M2
CHECKED SW	
PRINT DATE	2026-06-16
REVIT FILE	

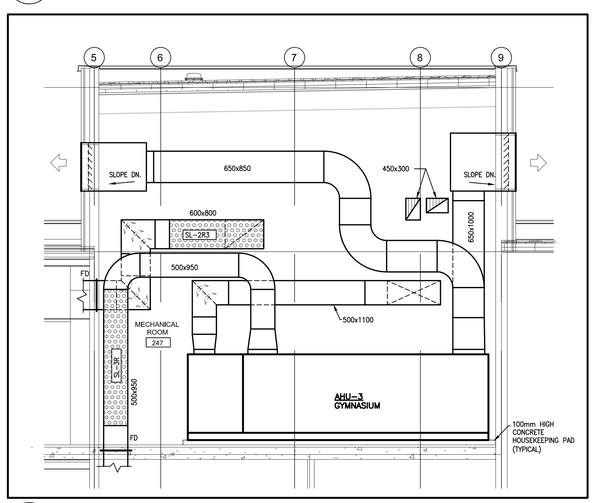
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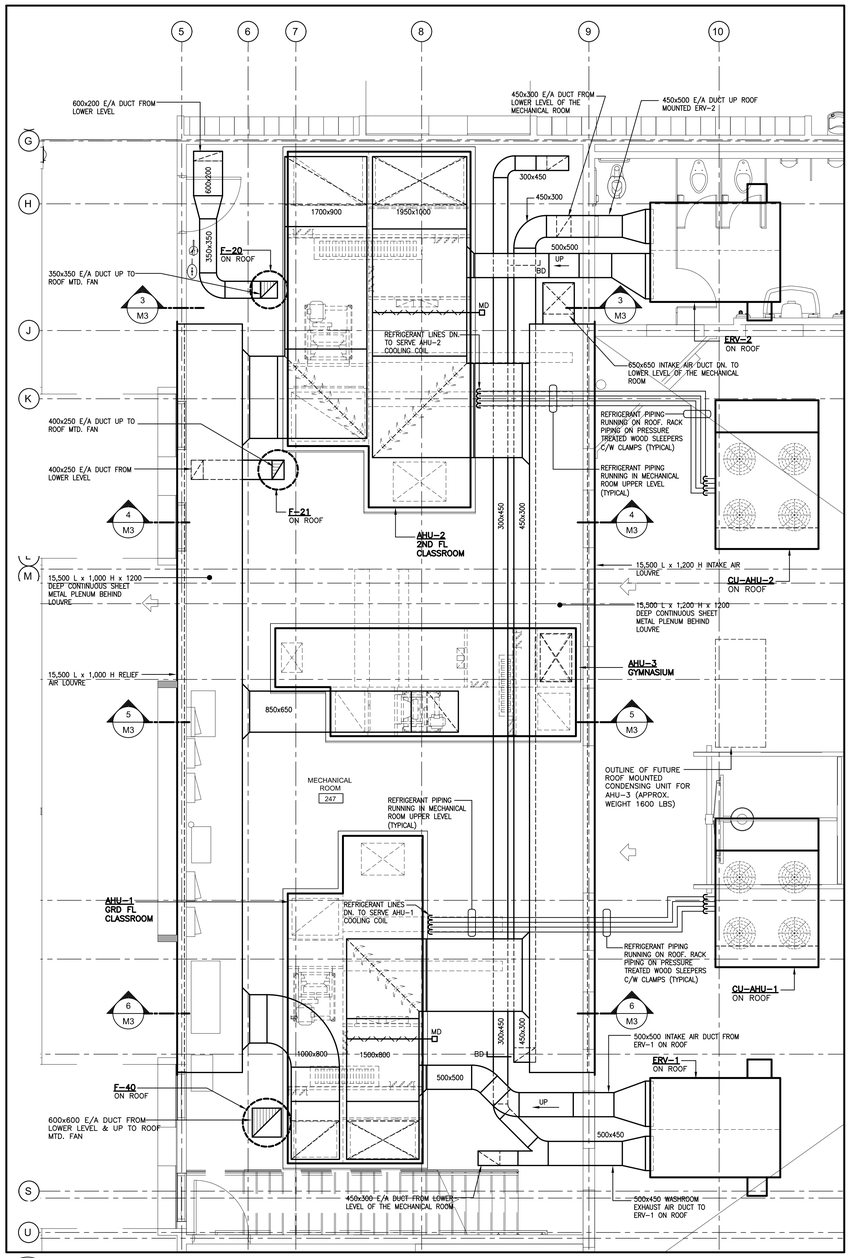
3 M3 SECTION
1:50



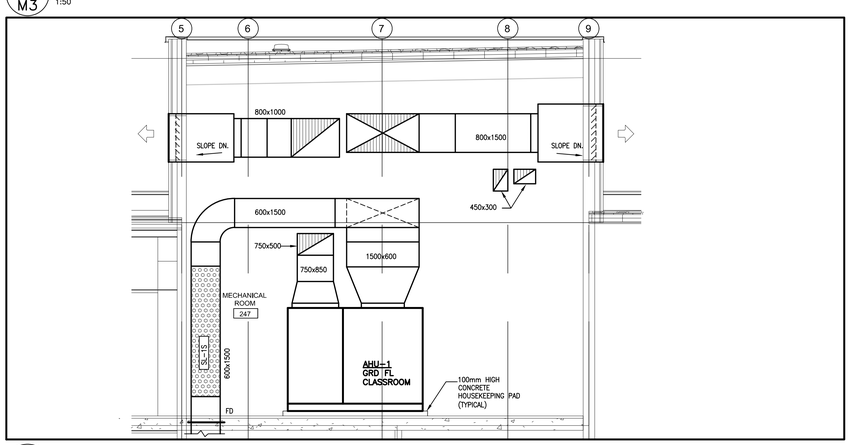
4 M3 SECTION
1:50



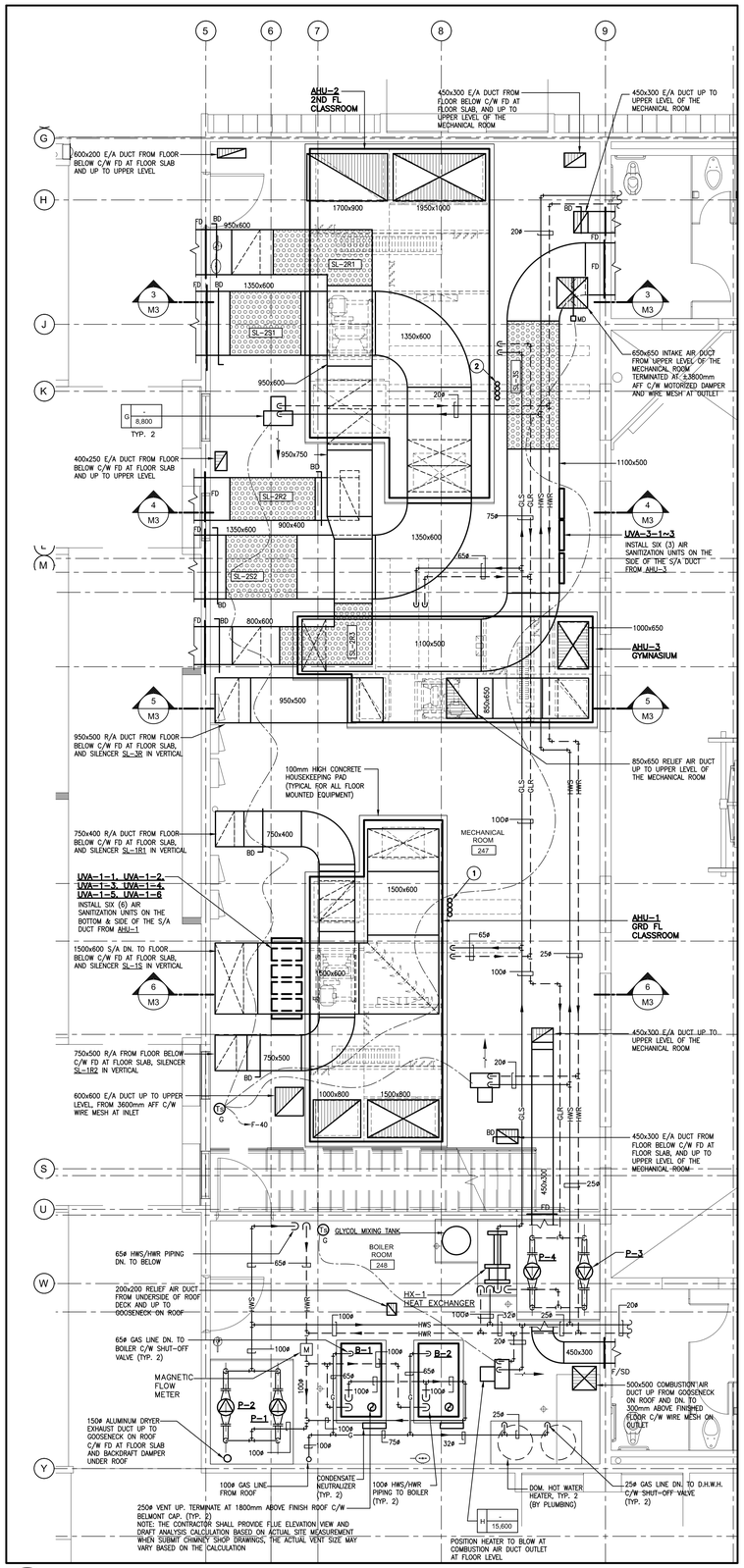
5 M3 SECTION
1:50



2 M3 MECHANICAL ROOM UPPER LEVEL FLOOR PLAN
1:50



6 M3 SECTION
1:50



1 M3 MECHANICAL ROOM LOWER LEVEL FLOOR PLAN
1:50

GENERAL NOTES:

1. PROVIDE HTL DUCTWORK FROM ALL SILENCERS IN THE MECHANICAL ROOM 247 TO 100mm OUTSIDE OF THE MECHANICAL ROOM.
2. INSTALL ALL AIR SANITIZATION PRODUCTS ON THE BOTTOM OF THE DUCT UNLESS OTHERWISE NOTED FOR CONVENIENCE OF MAINTENANCE IN MECH. ROOM.
3. ALL PLENUMS SHALL BE SLOPED TOWARD THE EXTERIOR TO PREVENT WATER ACCUMULATION

KEYED NOTES:

(1) REFRIGERANT LINES FROM UPPER LEVEL TO SERVE AHU-1 COOLING COL

(2) REFRIGERANT LINES FROM UPPER LEVEL TO SERVE AHU-2 COOLING COL

TRUE NORTH
PROJECT NORTH

3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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LICENSED PROFESSIONAL ENGINEER
S. WANG
100118018
JUNE 26/26
PROVINCE OF ONTARIO

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

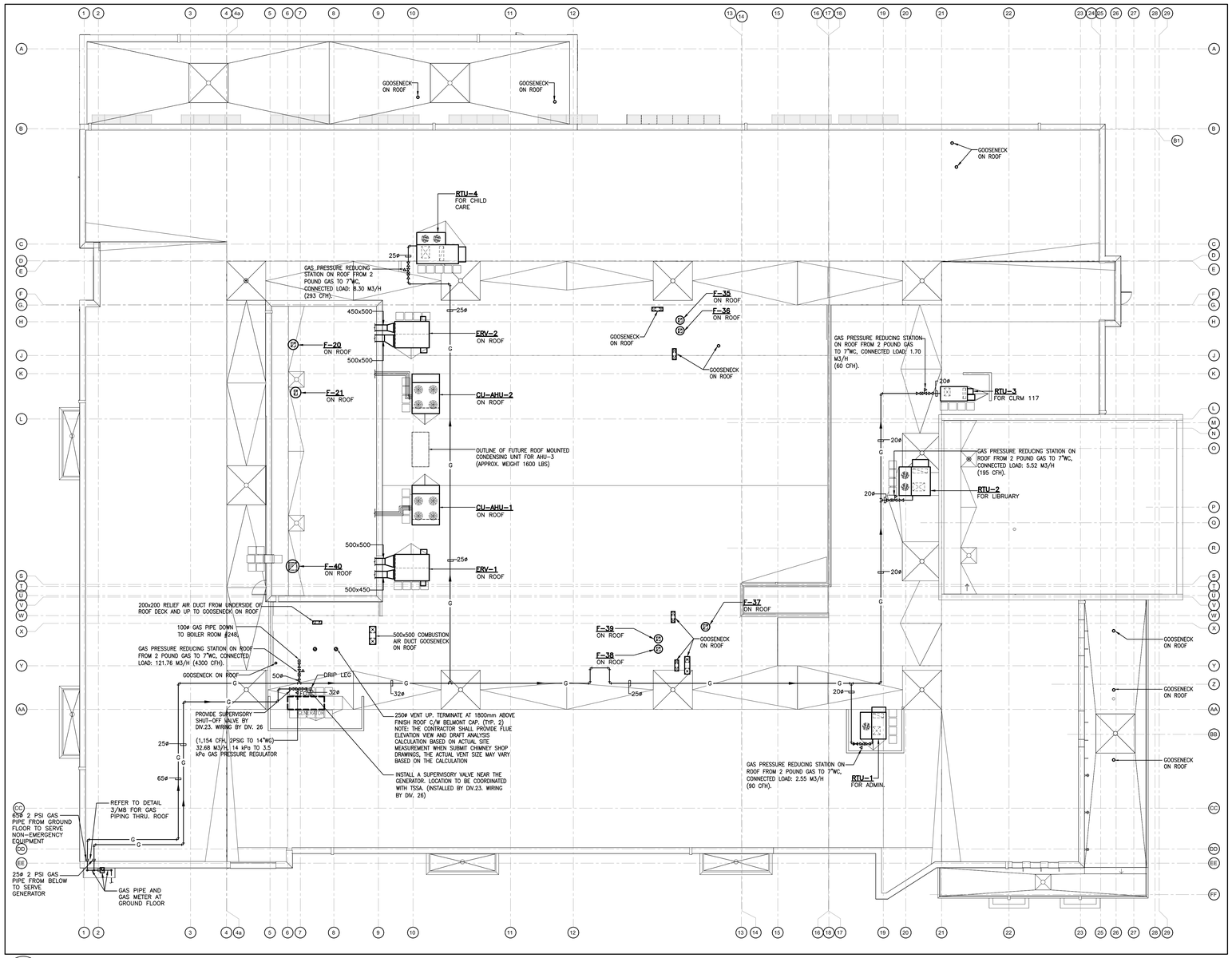
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - MECHANICAL RM PLANS AND SECTIONS

rybka Ellard Willson

SCALE	PROJECT
AS NOTED	24112
DATE	
JUNE 2026	DRAWING
DRAWN J.Y.	M3
CHECKED SW	
PRINT DATE	2026-06-16
REVIT FILE	

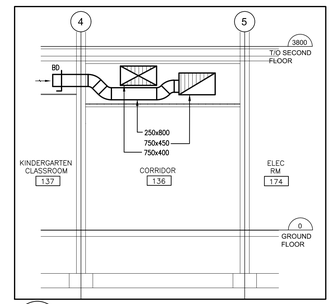
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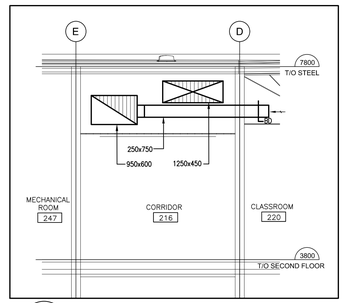
1 M4 ROOF PLAN
1:150

EQUIPMENT SCHEDULE			
EQPT. NAME	MODEL NUMBER	QUANTITY	REMARK
TABLE SANDER	1" BELT SANDER WITH 5" DISC SANDER BY KING CANADA, MODEL KC702C	1	①
BELT & DISC SANDER	6"X48" BELT SANDER WITH 9" DISC SANDER BY KING CANADA, MODEL KC-760L	1	①
SCROLL SAW	20" VARIABLE SPEED SCROLL SAW BY DEWALT, MODEL DW788BS	1	①
BAND SAW	14" WOOD BANDSAW WITH RESAW GUIDE BY KING CANADA, MODEL BB552	1	①
DRILL PRESS	17" DRILL PRESS BY KING CANADA, MODEL KC-118FC	1	①

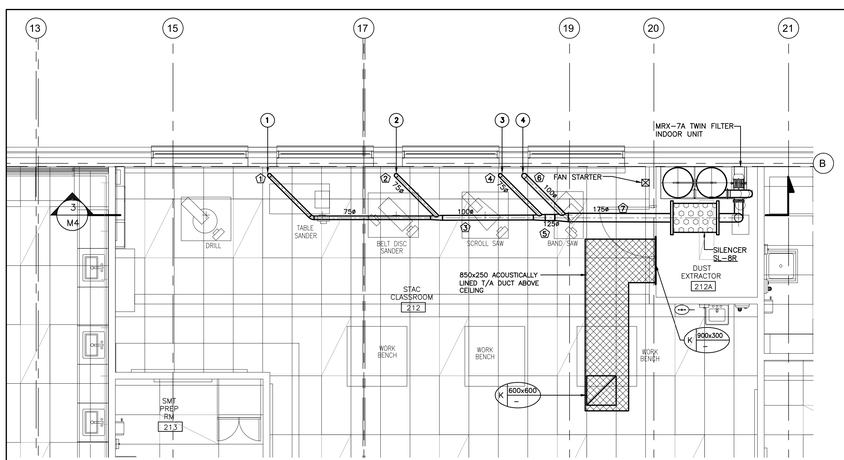
NOTE: ① THE SUPPLY AND INSTALLATION OF ALL THE EQUIPMENT SHALL BE BY THE MECHANICAL CONTRACTOR.



5 M4 SECTION
1:50



6 M4 SECTION
1:50



SECTION	AIR VOLUME	DUCT SIZE	VELOCITY		REMARKS
	L/S	mm	FPM	M/MIN	
①	94	75	4076	1242	
②	94	75	4076	1242	
③	189	100	4586	1398	
④	94	75	4076	1242	
⑤	283	125	4403	1342	
⑥	165	100	4013	1223	
⑦	448	175	3556	1084	

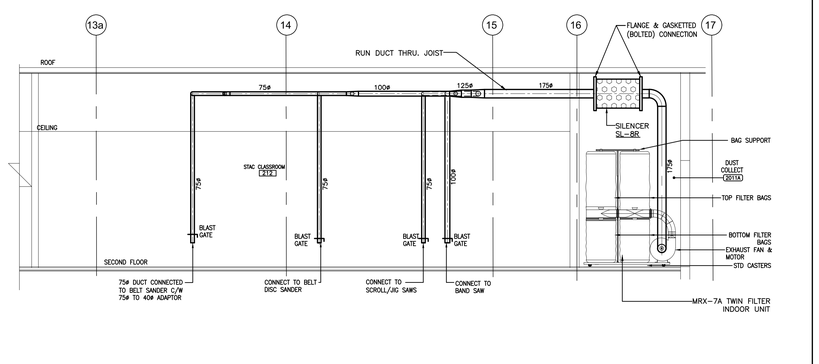
EQPT. NAME	QUANTITY (COLLECTION)	DUCT COLLECTION AIR VOL. (L/S)	DUCT COLLECTION CONNECTION SIZE (mm)	NOTE
TABLE SANDER	1	94	75	
BELT & DISC SANDER	1	94	75	COMPLETE WITH FULL COLLAR BLAST GATE CAST ALUMINUM DAMPER @ 1.2m AFF.
SCROLL SAW	1	94	75	
BAND SAW	1	165	100	
TOTAL	4	589		

NOTE: ① EQUIPMENT REQUIRED TO HAVE A DUST COLLECTING SYSTEM SHALL BE INTERLOCKED TO DUST COLLECTOR TO PREVENT IT FROM OPERATING IF THE DUST COLLECTOR SYSTEM IS NOT IN OPERATION.
② EVERY MACHINE SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 91, "STANDARD FOR EXHAUST SYSTEM FOR AIR CONVEYING OF VAPORS, GASES, MISTS, AND NONCOMBUSTIBLE PARTICULATE SOLIDS.

KEYED NOTES:

1. – 75ø DN. TO CONNECT TO TABLE SANDER @ 94 L/S. PROVIDE FULL COLLAR BLAST GATE CAST ALUMINUM DAMPER. PROVIDE A 40ø TO 75ø DUST CHUTE ADAPTORS FOR THE TABLE SANDER.
2. – 75ø DN. TO CONNECT TO BELT & DISC SANDER @ 94 L/S PROVIDE FULL COLLAR BLAST GATE CAST ALUMINUM DAMPER @ 1.2m AFF. PROVIDE A 65ø TO 75ø DUST CHUTE ADAPTOR FOR THE BELT & DISC SANDER.
3. – 75ø DN. TO CONNECT TO SCROLL SAW @ 94 L/S. PROVIDE FULL COLLAR BLAST GATE CAST ALUMINUM DAMPER @ ±1.2m AFF. PROVIDE A 75ø DUST HOOD AT SCROLL SAW.
4. – 100ø DN. TO CONNECT TO BAND SAW @ 165 L/S PROVIDE FULL COLLAR BLAST GATE CAST ALUMINUM DAMPER @ 1.2m AFF. PROVIDE A 50ø TO 100ø DUST CHUTE ADAPTOR FOR THE BAND SAW.

2 M4 S.T.A. CENTRE DUST COLLECTOR DUCTWORK LAYOUT (2ND FLOOR)
1:50



3 M4 DUST COLLECTOR SECTION
1:50

TRUE NORTH
PROJECT NORTH

3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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 S. WANG 100118018 JUNE 16/26 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

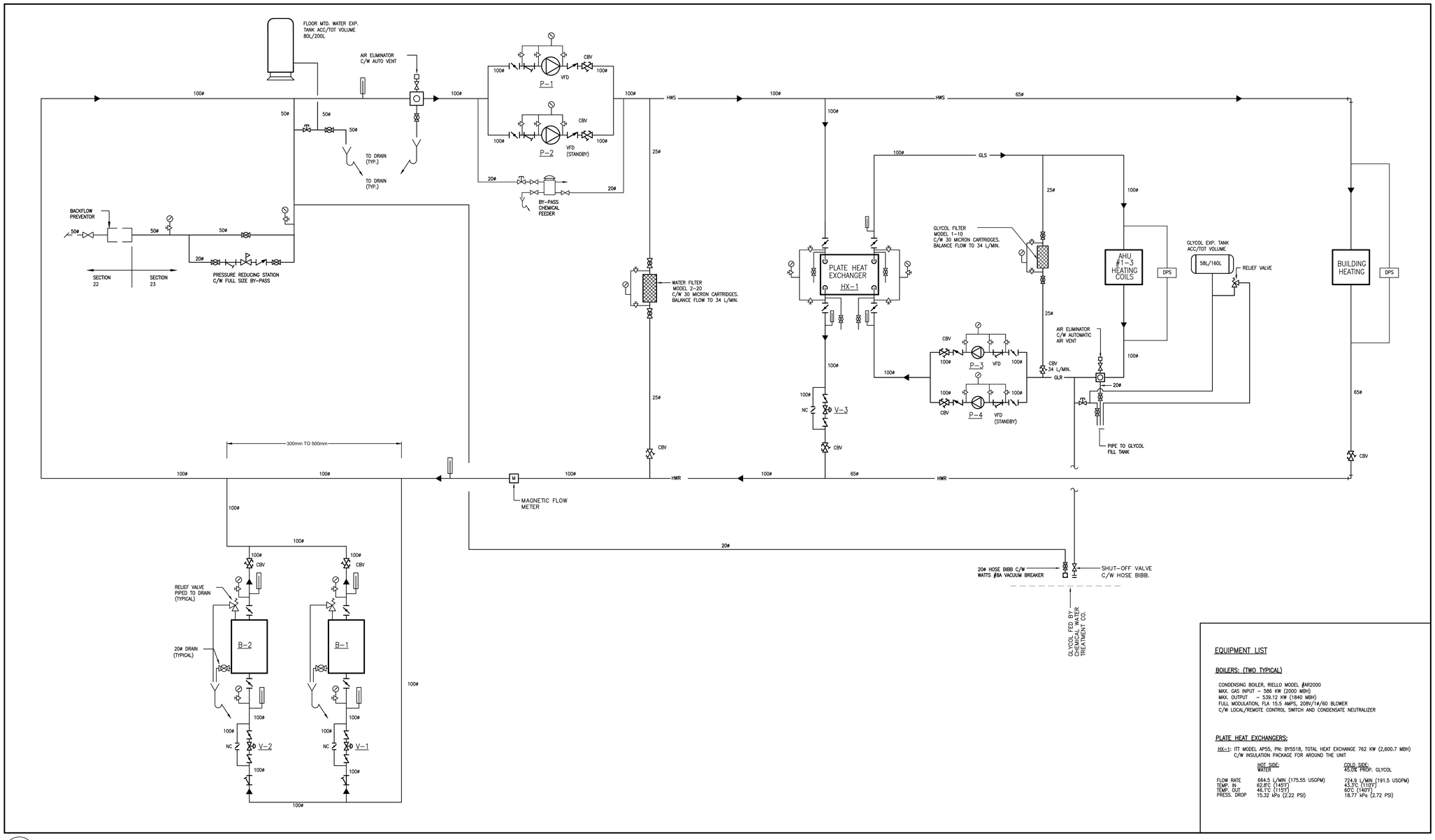
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - ROOF PLAN AND DUST COLLECTION

rybka Ellard Willson

SCALE	AS NOTED
DATE	JUNE 2026
DRAWN	J.Y.
CHECKED	SW
PROJECT	24112
DRAWING	M4
PRINT DATE	2026-06-16
REVIT FILE	

24036



1 / M5 SCHEMATIC FLOW DIAGRAM (BUILDING HEATING SYSTEM)
N.T.S.

EQUIPMENT LIST

BOILERS: (TWO TYPICAL)

CONDENSING BOILER, RIELLO MODEL #AR2000
MAX. GAS INPUT – 586 KW (2000 MBH)
MAX. OUTPUT – 539.12 KW (1840 MBH)
FULL MODULATION, FLA 15.5 AMPS, 208V/1ø/60 BLOWER
C/W LOCAL/REMOTE CONTROL SWITCH AND CONDENSATE NEUTRALIZER

PLATE HEAT EXCHANGERS:

HX-1: ITT MODEL AP55, PN: BY5518, TOTAL HEAT EXCHANGE 762 KW (2,600.7 MBH)
C/W INSULATION PACKAGE FOR AROUND THE UNIT

	HOT SIDE: WATER	COLD SIDE: 45.0% PROP. GLYCOL
FLOW RATE	664.5 L/MIN (175.55 USGPM)	724.9 L/MIN (191.5 USGPM)
TEMP. IN	62.8°C (145°F)	43.3°C (110°F)
TEMP. OUT	46.1°C (115°F)	60°C (140°F)
PRESS. DROP	15.32 kPa (2.22 PSI)	18.77 kPa (2.72 PSI)

TRUE NORTH
PROJECT NORTH

3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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
S. WANG
100118018
PROVINCE OF ONTARIO

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HVAC - FLOW DIAGRAM

rybka Ellard Willson

SCALE N.T.S.	PROJECT 24112
DATE JUNE 2026	
DRAWN J.Y.	DRAWING M5
CHECKED SW	
PRINT DATE	2026-06-16
REVIT FILE	

24036

AIR HANDLING UNIT SCHEDULE (BASED ON ENGINEERED AIR)

UNIT NO.	AREA SERVED FROM UNIT	UNIT MODEL	FILTER TYPE	SUPPLY FAN: FAN TYPE	AIR VOLUME L/S	EXT. ST. PRESS. Pa	FAN RPM	MOTOR BHP	MOTOR HP	STARTER –	POWER	SOUND POWER (MAX.) 63	125	250	RETURN FAN: FAN TYPE	AIR VOLUME L/S	EXT. ST. PRESS. Pa	FAN RPM	MOTOR BHP	MOTOR HP	STARTER –	POWER	DYNAMIC I.L. 63	125	250	COOLING COIL (DX COOLING) ②: COIL SIZE & TYPE	COIL AREA M²	FACE VELOCITY M/S	E.A.T. DB°C	E.A.T. WB°C	L.A.T. DB°C	L.A.T. WB°C	TOTAL COOLING KW	COIL ROWS/ FPI	TURBU-LATORS	AIR P.D. Pa	HEATING COIL (45% PROP. GLYCOL): COIL SIZE (mm)	E.A.T. °C	L.A.T. °C	E.W.T. °C	L.W.T. °C	TOTAL HEATING KW	FLUID FLOW L/MIN	FACE VELOCITY M/S	AIR P.D. Pa	WATER P.D. FT. KPa	UNIT WEIGHT LBS	REMARKS
AHU-1	GROUND FLOOR CLASSROOMS	LM13/HRW1200/C	MERV-13	222 BAE-DW	6,229	375	1837	12.61	15	REMOTE VFD	600/36/60	99	98	98	222 EPF	4,059	375	1888	7.66	10	REMOTE VFD	600/36/60	87	90	96	1683Hx1422L	2.39	2.60	26.4	19.7	12.5	11.9	165.99	4/12	–	118	1748x1422.5	-4.2	22.2	60	43.3	198.4	189.27	2.55	49	12.5 / 57.3	10,000	VARIABLE AIR VOLUME, MIN. OA, 3,775 L/S C/W HEAT RECLAIM WHEEL, SEE SCHEDULE
AHU-2	SECOND FLOOR CLASSROOMS	LM21/HRW2100/C	MERV-13	300 BAE-DW	10,193	375	1284	19.39	25	REMOTE VFD	600/36/60	98	98	97	330 EPF	8,447	375	1239	15.43	20	REMOTE VFD	600/36/60	88	97	101	2191Hx1829L	4.01	2.54	25.7	18.9	12.7	12.3	232.09	4/12	–	115	2128x1905	-5.6	22.2	60	43.3	341.8	327.44	2.57	56	5.6 / 16.7	13,500	VARIABLE AIR VOLUME, MIN. OA, 6,513 L/S C/W HEAT RECLAIM WHEEL, SEE SCHEDULE
AHU-3	GYMNASIUM & STAGE	LM8/900/C	MERV-13	165 BAE-DW	3,303	375	2604	7.63	10	REMOTE VFD	600/36/60	98	95	96	182 EPF	2,879	250	2281	4.95	7.5	REMOTE VFD	600/36/60	82	82	94	FUTURE											1368x965.25	-23.3	22.2	60	43.3	181.64	174.13	2.56	82	3.9 / 11.7	7,400	SEE NOTE ①

NOTE: ① CONSTANT VOLUME, C/W HEAT RECOVERY WHEEL, SEE HEAT RECOVERY WHEEL SCHEDULE. OUTDOOR AIR SET IS 3,304 L/S IN ASSEMBLY OCCUPANCY MODE AND 1,062 L/S IN CLASSROOM MODE, CO2 SENSOR TO CONTROL BOTH MODE SEE CONTROL SPEC.
② DX COOLING COIL SHALL BE SUPPLIED BY THE HEAT PUMP AIR COOLED CONDENSING UNIT MANUFACTURER AND INSTALLED IN THE UNIT BY THE CONTRACTOR. CAPACITY AND CONTROL TO MATCH THE HEAT PUMP AIR COOLED CONDENSING UNIT. COIL SIZE SHALL MATCH THE AHU COIL SECTION SPACE. CONTRACTOR SHALL PROVIDE GALVANIZED STEEL PANEL AROUND THE COOLING COIL IF REQUIRED AND SEAL IT WELL TO PREVENT BYPASS LEAKING AIR FROM THE COOLING COIL.

HEAT PUMP ROOFTOP UNIT SCHEDULE (BASED ON "MACON")

UNIT No.	AREA SERVED FROM UNIT	UNIT SIZE	FILTER TYPE	MCA (AMP)	MROPD (AMP)	POWER	UNIT WEIGHT (LBS)	CURB WEIGHT (LBS)	SUPPLY FAN: FAN	AIR VOLUME L/S	EXT. ST. PRESS. Pa	FAN RPM	MOTOR BHP	STARTER	SOUND POWER (MAX.) 125HZ	250HZ	500HZ	RETURN FAN: FAN SIZE	AIR VOLUME L/S	EXT. ST. PRESS. Pa	FAN RPM	MOTOR BHP	STARTER	SOUND POWER (MAX.) 125Hz	250Hz	500Hz	GAS HEATING: INPUT KW	OUTPUT KW	STAGE	DX COOLING COIL: COIL AREA M²	COIL VELOCITY M/S	COIL E.A.T. DB °C	COIL E.A.T. WB °C	COIL L.A.T. DB °C	COIL L.A.T. WB °C	TOTAL COOLING KW	COIL ROWS/ FPI	AIR P.D Pa	HEAT RECLAIM HEAT WHEEL PERFORMANCE: EXHAUST AIR CONDITION AIR VOLUME L/S	WINTER	SUMMER	ENT. FRESH AIR AIR VOLUME L/S	SUMMER	WINTER	DISCHARGE AIR WINTER	SUMMER	MINIMUM FRESH AIR L/S	REMARKS
RTU-1	ADMINISTRATION AREA	RNA-008-A-A-4	MERV-13	23	30	575/3ø/60	1,450		RNA185	1,274	250	1,855	2.28	PACKAGED VFD	84	87	85	RM12x9	1,180	125	941	1.06	PACKAGED VFD	81	73	71	26.37	21.36	MODULATING TURN DOWN 10:1	0.818	1.57	25.3	18.6	11.7	11.6	26.8	6/14	93	N/A									307	VARIABLE AIR VOLUME, SEE NOTE ① ②
RTU-2	LEARNING COMMONS	RNA-013-B-A-4	MERV-13	34	40	575/3ø/60	2,211		220D70	2,124	250	1,677	3.32	PACKAGED STARTER	89	96	88	RM12x9x22	2,124	125	1,027	1.87	PACKAGED STARTER	82	73	70	57.135	46.294	MODULATING TURN DOWN 10:1	1.384	1.53	25.5	18.7	11.4	11.4	47.6	6/14	93	N/A									566	CONSTANT AIR VOLUME, SEE NOTE ① ②
RTU-3	CLASSROOMS 117	RQA-005-A-A-4	MERV-13	17	20	575/3ø/60	653		RQ185	708	250	1,686	1.33	PACKAGED VFD	82	86	83	MW1602-40	708	125	1,483	0.36	PACKAGED VFD	72	73	73	17.58	14.24	MODULATING TURN DOWN 10:1	0.465	1.52	26.1	19.3	11.5	11.4	17.2	6/12	80	N/A									260	CONSTANT AIR VOLUME, SEE NOTE ① ②
RTU-4	DAYCARE AREA	RNA-013-B-A-4	MERV-13	33	40	575/3ø/60	2,687		220D70	1,793	313	1,825	3.84	PACKAGED VFD	90	96	90	RM185	1,321	188	1,166	0.94	PACKAGED VFD	80	79	74	85.85	69.41	MODULATING TURN DOWN 10:1	1.384	1.29	25.7	19.0	10.5	10.5	54.6	6/14	75	472	22.2°C DB 30% RH	23.9°C DB 50% RH	944	30°CDB/ 23°CWB	-23.3°CDB	-4.6°C DB -5.8°C WB	27.2°C DB 20.7°C WB	944	VARIABLE AIR VOLUME, SEE NOTE ① ②

NOTE: ① C/W 600mm HIGH PRE-FAB ROOF CURB, WEATHERPROOF NON-FUSED DISCONNECT SWITCH. ② ALL ROOFTOP UNITS ARE ECO SERIES AIR SOURCE HEAT PUMP MODEL.

VIBRATION ISOLATION SCHEDULE

EQUIPMENT SERVED	UNIT NO.	BASE THICKNESS (MM)	TYPE	MIN. ST. DEFLECTION (MM)	REMARKS
AIR HANDLING UNITS SUPPLY & RETURN FANS	AHU-1 TO AHU-3 RTU-1 TO RTU-4	–	–	–	FANS FACTORY INTERNALLY ISOLATED
SUSPENDED FANS	F-14	–	SHR	25	NEOPRENE-IN-SHEAR SINGLE DEFLECTION
OTHER SUSPENDED FANS	–	–	HD	–	
PUMPS	P-1 TO P-4	–	NSN	5	
DOMESTIC HOT WATER HEATERS	–	–	NSN	5	
BOILERS	B-1 TO B-2	–	NSN	5	

FAN SCHEDULE

UNIT REF.	FAN DUTY	MANUFACTURER	MODEL NO.	AIR VOLUME L/S	EXT. FAN ST. PRESS. Pa	FAN SPEED RPM	MOTOR POWER BHP	MOTOR POWER HP/WATTS/AMPS	POWER SUPPLY	STARTER	MOUNTING ARRANGEMENTS	REMARKS
F-1 TO F-8	KINDERGARTEN WRS 133, 134, 139, 140 146, 147, 152, 153 EXHAUST	COOK	GC-140	47	94	1500		64.6 WATTS	120V/1Ø/60	BY DIV. 16	CEILING MOUNTED	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-9	HEALTH WR 109 EXHAUST	COOK	GC-140	47	94	1500		64.6 WATTS	120V/1Ø/60	BY DIV. 16	CEILING MOUNTED	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-10	STAFF WORK ROOM 110 COPY EXHAUST	COOK	GC-140	47	94	1500		64.6 WATTS	120V/1Ø/60	SM, PL	CEILING MOUNTED	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-11, F-12	STAFF LOUNGE 113, SPEC. EDUCATION 124 RANGE HOOD EXHAUST	REVERSOMATIC	3000-475	94	125	1500		2.4 AMP	120V/1Ø/60	SOLID STATE SPEED CONTROL	ABOVE KITCHEN RANGE	760mm HOOD C/W SOLID SPEED CONTROL, LIGHT WITH SWITCH, GREASE FILTER, MOTOR OVERLOAD PROTECTION, STAINLESS STEEL FINISH
F-13	ORTHOPEDIC UNIVERSAL W/R 125 DRYER BOOSTER FAN	REVERSOMATIC	PWS-100	75	50	–		1/35 HP	120V/1Ø/60	INTERLOCK W/ DRYER CONTROL	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS, DRYER AMP SENSOR FAN CONTROL & LINT TRAP
F-14	ORTHOPEDIC UNIVERSAL W/R 125 EXHAUST	COOK	GN-520	142	94	1200		146 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS
F-15	SPRINKLER ROOM 127 VENTILATION	COOK	GC-180	94	94	1500		177 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-16	ELECTRICAL ROOM 128 VENTILATION	COOK	GC-842	472	100	976		1/3 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-17	KITCHEN 305 RANGE HOOD EXHAUST	REVERSOMATIC	3000-475	94	125	1500		2.4 AMP	120V/1Ø/60	SOLID STATE SPEED CONTROL	ABOVE KITCHEN RANGE	760mm HOOD C/W SOLID SPEED CONTROL, LIGHT WITH SWITCH, GREASE FILTER, MOTOR OVERLOAD PROTECTION, STAINLESS STEEL FINISH
F-18	LAUNDRY 307 DRYER BOOSTER FAN	REVERSOMATIC	PWS-100	75	50	–		1/35 HP	120V/1Ø/60	INTERLOCK W/ DRYER CONTROL	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS, DRYER AMP SENSOR FAN CONTROL & LINT TRAP
F-19	ELECT RM 308 VENTILATION	COOK	GC-640	236	94	1000		293 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-20	CHILD CARE WRS 314, 318, 320, 323, 328 & 306 EXHAUST	COOK	120 ACE-B	472	187	1401	0.228	1/4 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN, BACKDRAFT DAMPER
F-21	CHANGE ROOMS 167 & 170 EXHAUST	COOK	120 ACE-B	425	150	1256	0.166	1/4 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN, BACKDRAFT DAMPER
F-22, F-23, F-24 F-25, F-26, F-27	GYMNASIUM 155 CIRCULATING FANS	BANVIL	FP48-R DOWNBLOWING	10,146	FREE AIR	320		0.70 AMP	120V/1Ø/60	SOLID STATE SPEED CONTROL	SUSPENDED FROM STRUCTURE	C/W SAFETY CABLE & FULL ENCLOSURE GUARD FOR EACH FAN AND ONE 105 F (5.0 AMPS) SPEED CONTROLLER FOR THREE (3) OF FANS
F-28	STAGE 157 CIRCULATING FAN	BANVIL	FP48-R DOWNBLOWING	10,146	FREE AIR	320		0.70 AMP	120V/1Ø/60	SOLID STATE SPEED CONTROL	SUSPENDED FROM STRUCTURE	C/W ONE MODEL #100F (2.5 AMPS) SPEED CONTROLLER FOR (1) FANS AND FULL ENCLOSURE FAN GUARD & SAFETY CABLE FOR THE FAN
F-29, F-30	ELECT RM 175, LAN RM 176 VENTILATION	COOK	GC-640	236	94	1000		293 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-31	UTILITY EXTERIOR STORAGE 143 VENTILATION	COOK	GC-640	236	94	1000		293 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-32	LAN ROOM 161 VENTILATION	COOK	GC-640	236	94	1000		293 WATTS	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-33	ART PREP RM 210 VENTILATION	COOK	GC-140	47	94	1500		64.6 WATTS	120V/1Ø/60	SM, PL	CEILING MOUNTED	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-34	ACADEMIC STORAGE 241 COPY EXHAUST	COOK	GC-140	47	94	1500		64.6 WATTS	120V/1Ø/60	SM, PL	CEILING MOUNTED	C/W VIBRATION ISOLATORS AND INLET GRILLE
F-35, F-36	ELECT RM 242A, LAN RM 242B VENTILATION	COOK	100 ACE-B	283	100	1411	0.098	1/6 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN, BACKDRAFT DAMPER
F-37	ELEV. MECH ROOM 254 VENTILATION	COOK	120 ACE-B	472	100	1195	0.228	1/4 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN & BACKDRAFT DAMPER
F-38, F-39	ELECT RM 253A, LAN RM 253B VENTILATION	COOK	100 ACE-B	283	100	1411	0.098	1/6 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN & BACKDRAFT DAMPER
F-40	MECHANICAL ROOM 247 VENTILATION	COOK	210 ACE-B	1,416	125	700	0.479	1/2 HP	120V/1Ø/60	SMM, HOA, AU, PL, 24CT	ROOF MOUNTED	C/W 600mm HIGH PREF. ROOF CURB, DISCONNECT SWITCH, BIRDSCREEN & BACKDRAFT DAMPER
F-41, F-42	LEARNING COMMONS 115	BANVIL	FP48-R DOWNBLOWING	10,146	FREE AIR	320		0.70 AMP	120V/1Ø/60	SOLID STATE SPEED CONTROL	SUSPENDED FROM STRUCTURE	C/W ONE MODEL #100F (2.5 AMPS) SPEED CONTROLLER FOR (2) FANS AND SAFETY CABLE FOR THE FAN
F-43	CUSTODIAN OFFICE 175 DRYER BOOSTER FAN	REVERSOMATIC	PWS-100	75	50	–		1/35 HP	120V/1Ø/60	INTERLOCK W/ DRYER CONTROL	SUSPENDED FROM STRUCTURE	C/W VIBRATION ISOLATORS, DRYER AMP SENSOR FAN CONTROL & LINT TRAP

NOTES: 1. ALL ROOF CURBS SHALL BE 600 HIGH.

SILENCER SCHEDULE (VIBRO-ACOUSTICS)

SILENCER No.	SYSTEM	SILENCER MODEL	LENGTH (mm)	SILENCER SIZE mm x mm	AIR VOLUME L/S	PRESSURE DROP Pa	MIN. I.L. OCT BAND 63	125	250	DUCT SIZE mm x mm	CONSTRUCTN	REMARKS
SL-1S	AHU-1 SUPPLY AIR GROUND FLOOR	RMB-HV-AY33066	2700	1500x600	6229	62	7	14	26	1500x600	CLASS 1 ②	STRAIGHT SILENCER
SL-1R1	AHU-1 RETURN AIR GROUND FLOOR	RMB-HV-AY33066	2100	750x400	1746	43	6	14	22	750x400	CLASS 1 ②	STRAIGHT SILENCER
SL-1R2	AHU-1 RETURN AIR GROUND FLOOR	RMB-HV-AY33066	2100	750x500	2312	48	6	14	22	750x500	CLASS 1 ②	STRAIGHT SILENCER
SL-2S1	AHU-2 SUPPLY AIR SECOND FLOOR	RMB-HV-AY33066	3000	1350x600	5026	50	6	16	28	1350x600	CLASS 1 ②	STRAIGHT SILENCER
SL-2S2	AHU-2 SUPPLY AIR SECOND FLOOR	RMB-HV-AY33066	3000	1350x600	5286	55	6	16	28	1350x600	CLASS 1 ②	STRAIGHT SILENCER
SL-2R1	AHU-2 RETURN AIR SECOND FLOOR	REMB-HV-AY33066	2400	950x600	3728	59	9	16	21	950x600	CLASS 2 ②	ELBOW SILENCER
SL-2R2	AHU-2 RETURN AIR SECOND FLOOR	RMB-HV-AY33066	2400	900x400	1888	53	7	16	25	900x400	CLASS 1 ②	STRAIGHT SILENCER
SL-2R3	AHU-2 RETURN AIR SECOND FLOOR	REMB-HV-AY33066	2400	800x600	2832	55	9	15	21	800x600	CLASS 2 ②	ELBOW SILENCER
SL-3S	AHU-3 SUPPLY AIR GYMNASIUM	RMB-MHV-AY33066	2100	1100x500	3303	47	8	14	23	1100x500	CLASS 1 ②	STRAIGHT SILENCER
SL-3R	AHU-3 RETURN AIR GYMNASIUM	RMB-MHV-AY33066	2700	950x500	2879	71	10	19	33	950x500	CLASS 1 ②	STRAIGHT SILENCER
SL-4S	RTU-1 SUPPLY AIR ADMINISTRATION	RMB-HV-AY33066	2100	600x400	1274	61	6	9	20	600x400	CLASS 1 ②	STRAIGHT SILENCER
SL-4R	RTU-1 RETURN AIR ADMINISTRATION	RMB-MHV-AY33066	2700	500x450	1180	67	10	19	33	500x450	CLASS 1 ②	STRAIGHT SILENCER
SL-5S	RTU-2 SUPPLY AIR LEARNING COMMONS	REMB-MHV-AY33066	2700	900x400	2124	84	10	19	27	900x400	CASING TO BE 12ga ②	ELBOW SILENCER
SL-5R	RTU-2 RETURN AIR LEARNING COMMONS	RMB-HV-AY33066	3000	900x400	2124	77	11	19	26	900x400	CASING TO BE 12ga ②	ELBOW SILENCER
SL-6S	RTU-3 SUPPLY AIR CLASSROOM #117	RMB-MLV-AY33066	1800	450x350	708	55	8	13	24	450x350	CLASS 1 ②	STRAIGHT SILENCER
SL-6R	RTU-3 RETURN AIR CLASSROOM #117	RMB-MV-AY33066	2700	450x350	708	50	10	19	33	450x350	CLASS 1 ②	STRAIGHT SILENCER
SL-7S	RTU-4 SUPPLY AIR DAYCARE	RMB-HV-AY33066	2700	800x400	1793	64	7	15	26	800x400	CLASS 1 ②	STRAIGHT SILENCER
SL-7R	RTU-4 RETURN AIR DAYCARE	RMB-HV-AY33066	2700	850x300	1321	52	8	17	28	850x300	CLASS 1 ②	STRAIGHT SILENCER
SL-8R	DUST COLLECTOR RETURN AIR	CFL-UHV-AY33066	1500	175ø	448	18	6	9	15	175ø	VIBAR FILM LINER WITH STANDARD MEDIA	STRAIGHT SILENCER

NOTE
① PROVIDE FOR APPROVAL, ACOUSTICAL CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT DUCTBORNE FAN SOUND LEVEL, INCLUDING AIRBORNE AND BREAKOUT NOISE, IN THE OCCUPIED SPACES MEET NC REQUIREMENTS. CASING/PERF CONSTRUCTION: CLASS 1 (22ga/26ga), CLASS 2 (18ga/22ga), HTL (12ga/22ga)
② MEDIA SHALL BE VIBRO-ACOUSTICS® MOLDBLOCK MEDIA™ CONTAINING 100% NATURAL COTTON FIBERS TREATED WITH AN EPA REGISTERED, NON-TOXIC BORATE SOLUTION, "FLASH DRIED" TO PROVIDE RESISTANCE TO MOLD, MILDEW AND FUNGI. MEDIA SHALL COMPLY WITH UL181 AND NFPA 90A. MOULDBLOCK MEDIA™ SHALL BE PACKED WITH A MINIMUM OF 15% COMPRESSION DURING SILENCER ASSEMBLY. MEDIA SHALL NOT CAUSE OR ACCELERATE CORROSION OF ALUMINUM OR STEEL. GLASS FIBER AND ROCKWOOL ARE NOT ACCEPTABLE ALTERNATES.

DIFFUSER, GRILLE AND REGISTER SCHEDULE (BASED ON "NAILOR" OTHERWISE NOTED)

TYPE — SIZE (MM) / AIR VOLUME (L/S)

TYPE	MODEL NO.	DESCRIPTION OR APPLICATION	BORDER OR FRAME	VOLUME CONTROL DAMPER	REMARKS*
A	RNSA2L-600x600	SQUARE SUPPLY DIFFUSER	LAY-IN TILE MOUNTED	–	FOR NECK SIZE REFER TO FLOOR PLANS ①
B	610H	SUPPLY REGISTER DOUBLE DEFLECTION/HORIZONTAL	SURFACE MOUNTED/DUCT MOUNTED	YES	FOR SIZE REFER TO FLOOR PLAN ①
C	6145H	EXHAUST REGISTER	LAY-IN TILE/DRYWALL MOUNTED	YES	FOR SIZE REFER TO FLOOR PLANS ①
D	51ECC	EGGCRATE RETURN GRILLE	LAY-IN TILE MOUNTED	–	FOR SIZE REFER TO FLOOR PLANS ①
E	6145H-HD	HEAVY DUTY RETURN/ TRANSFER GRILLE	SURFACE MOUNTED	–	FOR SIZE REFER TO FLOOR PLANS (ALL BLADES IN HORIZONTAL POSITION) ①
F	6300R	ROUND SUPPLY DIFFUSER	DUCT COLLAR MOUNTED	YES	FOR NECK SIZE REFER TO FLOOR PLANS, C/W SAFETY CHAIN ①②
G	RNSA2-300x300	SQUARE SUPPLY DIFFUSER	LAY-IN TILE MOUNTED	–	FOR NECK SIZE REFER TO FLOOR PLANS ①
H	6145H	TRANSFER GRILLE	SURFACE MOUNTED	–	FOR SIZE REFER TO FLOOR PLANS (ALL BLADES IN HORIZONTAL POSITION) ①
I	51ECS	EGGCRATE TRANSFER GRILLE	LAY-IN TILE/SURFACE MOUNTED	–	FOR SIZE REFER TO FLOOR PLANS ①
J	49-240	LINEAR BAR GRILLES	C/W TYPE B 10mm BORDER, REF. TO ARCH. DETAIL	–	①
K	61FE	RETURN GRILLE WITH FILTER	LAY-IN TILE MOUNTED/SURFACE MOUNTED	–	FOR SIZE REFER TO FLOOR PLANS ①
L	RNSA2L-300x300	SQUARE SUPPLY DIFFUSER	DRYWALL MOUNTED	–	FOR NECK SIZE REFER TO FLOOR PLANS ①
M	49-240	LINEAR BAR GRILLE	C/W TYPE E 13mm BORDER, REFER TO ARCH. DETAIL	–	①
N	45DLC	DRUM LOUVRE	DUCT MOUNTED	YES	FOR SIZE REFER TO FLOOR PLANS ①
O	5075	LINEAR SLOT DIFFUSER, 19mm SLOT WIDTH 2-SLOT, MITERED END CAP	C/W TYPE C FLANGE FRAME, CONCEALED MOUNTING	–	C/W 5375 HEMMED LEG PLENUM, FOR LINEAR LENGTH IN mm REFER TO FLOOR PLANS ①

① FINISH AS SELECTED BY ARCHITECT.
② IN OPEN STRUCTURE AREAS PROVIDE SAFETY CABLE AND SECURE DIFFUSERS TO DUCTWORK AND CHAIN CONE ASSEMBLY TO DIFFUSER BODY.

LOW PRESSURE BY PASS BOX SCHEDULE

UNIT REF. — MAX AIR (L/S) / MIN. AIR (L/S)

UNIT REF.	MODEL NO.	SIZE	INLET SIZE mm	OUTLET SIZE mm	MAX. AIR QTY. L/S	CONTROLS	REMARKS
A	NAILOR 3400	6	150ø	254x318	189	REFER TO SPEC.	
B	NAILOR 3400	8	200ø	305x318	330	REFER TO SPEC.	
C	NAILOR 3400	10	250ø	356x318	519	REFER TO SPEC.	
D	NAILOR 3400	14	610x318 OVAL	356x318	519	REFER TO SPEC.	

HOT WATER HEATER SCHEDULE

UNIT REF. — LENGTH (mm) / OUTPUT (W)

UNIT REF.	MANUFACTURER & MODEL No.	HEATER TYPE	HEATING CAPACITY W	E.W.T. °C	L.W.T. °C	WATER FLOW L/MIN.	E.A.T. °C	MOTOR HP	POWER	REMARKS
A	ENG. AIR WF-1A	FINNED TUBE RADIATION SINGLE ROW 100mm A.F.F.	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	450mm HIGH SLOPE TOP ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ①
B	ENG. AIR WF-1B	FINNED TUBE RADIATION SINGLE ROW (MTD AT HIGH LEVEL)	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	350mm HIGH SLOPE TOP & BOTTOM ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ①
C	AIRTEX HEF-2	LINEAR RADIANT CEILING PANELS	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	900mm WIDE-1 CIRCUIT C/W ALL REQUIRED ACCESSORIES. PERFORMANCE BASED ON 21°C AIR TEMP. & 19.4°C AVERAGE UNHEATED SURFACE TEMP. ①
D	AIRTEX HEF-2	LINEAR RADIANT CEILING PANELS	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	600mm WIDE-1 CIRCUIT C/W ALL REQUIRED ACCESSORIES. PERFORMANCE BASED ON 21°C AIR TEMP. & 19.4°C AVERAGE UNHEATED SURFACE TEMP. ①
E	AIRTEX HEF-2	LINEAR RADIANT CEILING PANELS	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	900mm WIDE-2 CIRCUIT C/W ALL REQUIRED ACCESSORIES. PERFORMANCE BASED ON 21°C AIR TEMP. & 19.4°C AVERAGE UNHEATED SURFACE TEMP. ①
F	ENG. AIR H2	HORIZONTAL UNIT HEATER	5,400	62.78	46.11	4.66	15.6	1/20	120V/1Ø/60	293 L/S AIR FLOW
G	ENG. AIR H5	HORIZONTAL UNIT HEATER	8,800	62.78	46.11	7.65	15.6	1/6	120V/1Ø/60	585 L/S AIR FLOW
H	ENG. AIR H7	HORIZONTAL UNIT HEATER	17,000	62.78	46.11	14.76	15.6	1/6	120V/1Ø/60	831 L/S AIR FLOW
I	RUNTAL RF-5	PANEL RADIATOR SAME END SERIES	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	C/W ALL REQUIRED CENTER AND END TRIMS FOR CONTINUOUS APPERANCE FINISH AS SPECIFIED BY ARCHITECT
J	ENG. AIR CUH-4	CABINET UNIT HEATER	4,500	62.78	46.11	3.9	15.6	1/20	120V/1Ø/60	175 L/S AIR FLOW, FULLY RECESSED, ARRANGEMENT 16
K	ENG. AIR CUH-9	CABINET UNIT HEATER	9,900	62.78	46.11	8.59	15.6	1/10	120V/1Ø/60	448 L/S AIR FLOW, FULLY RECESSED, ARRANGEMENT 16
L	ENG. AIR WF-1A	FINNED TUBE RADIATION TWO ROWS 100mm A.F.F.	SEE PLANS	62.78	46.11	SEE PLANS	18.3	–	–	450mm HIGH SLOPE TOP ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ①

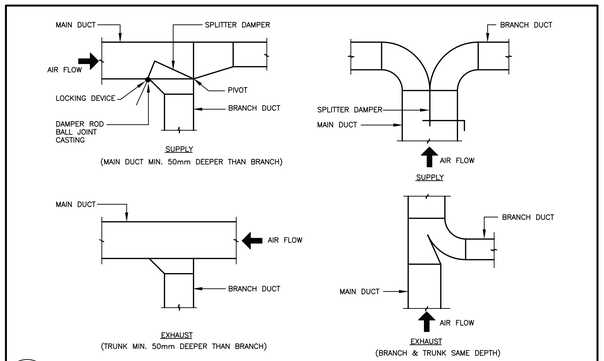
① UNLESS NOTED OTHERWISE HWS & HWR PIPING SIZE IS 20ø (3/4"ø)

PUMP SCHEDULE (BASED ON ITT)

PUMP NO.	PUMP DUTY	MODEL NO.	CAPACITY L/min / GPM	HEAD M of H2O / FT.	MOTOR HP	POWER	RPM	STARTER	REMARKS
P-1 & P-2	HOT WATER HEATING	E-80SC 3x3x9.5C	976.6 / 258	18.3 / 60	7.5	600/3/60	1750	VFD	ONE WORKING ONE STABDBY
P-3 & P-4	HEATING GLYCOL	E-80SC 2.5x2.5x9.5C	724.9 / 191.5	18.3 / 60	7.5	600/3/60	1750	VFD	45% PROPYLENE GLYCOL ONE WORKING ONE STANDBY MIN. FLOW 361.5 L/MIN

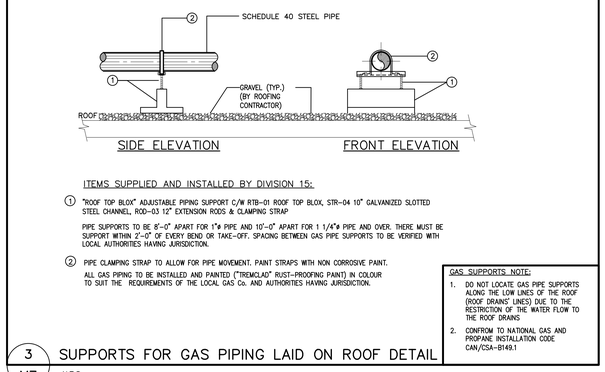
HEAT RECLAIM WHEEL PERFORMANCE SCHEDULE (BASED ON ENGINEERED AIR)

UNIT NO.	WHEEL: MODEL	POWER	VOLTAGE	EXHAUST AIR CONDITION: AIR VOLUME (L/S)	WINTER	SUMMER	FRESH AIR CONDITION: AIR VOLUME (L/S)	WINTER	SUMMER	* SUPPLY AIR TEMPERATURE: WINTER	SUMMER	FROST POINT	REMARKS



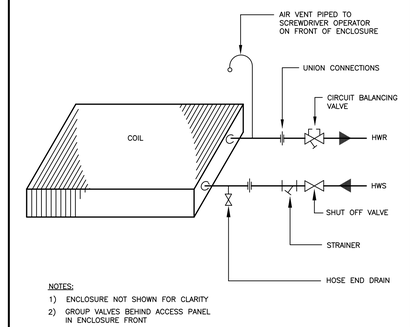
4 M7 TYPICAL DUCT FITTING DETAILS

N.T.S.



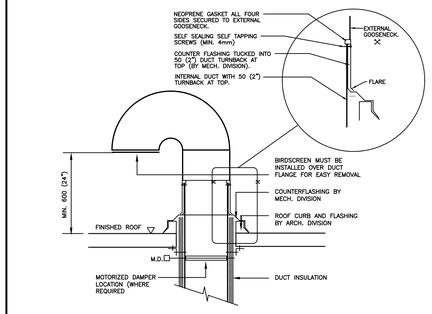
3 M7 SUPPORTS FOR GAS PIPING LAID ON ROOF DETAIL

N.T.S.



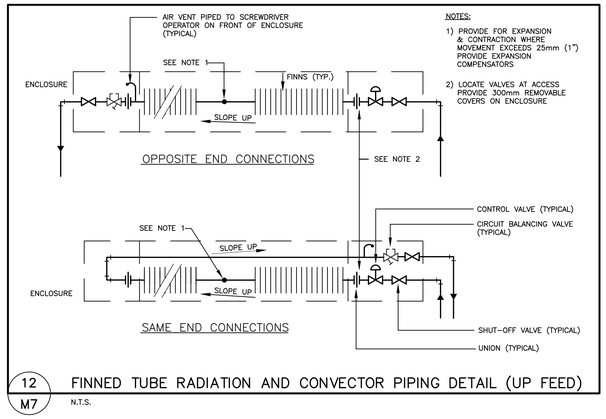
2 M7 CABINET HEATER PIPING DETAIL

N.T.S.



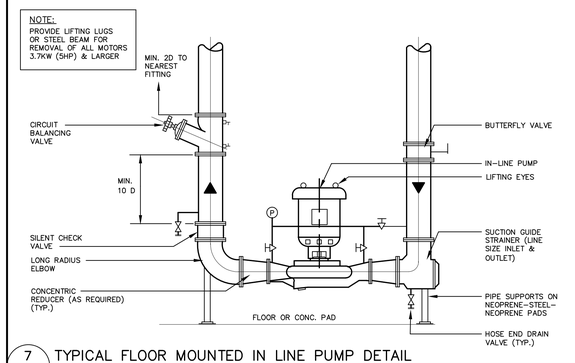
1 M7 GOOSENECK DETAIL

N.T.S.



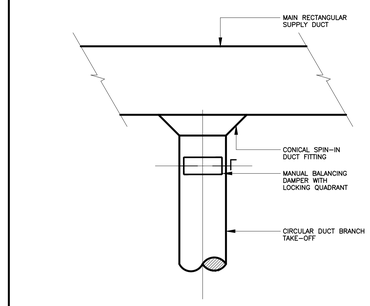
8 M7 AIR ELIMINATOR DETAIL

N.T.S.



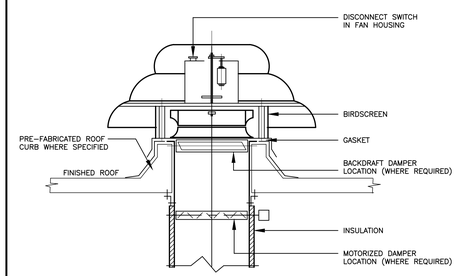
7 M7 TYPICAL FLOOR MOUNTED IN LINE PUMP DETAIL

N.T.S.



6 M7 TYPICAL ROUND DUCT TAKE-OFF DETAIL

N.T.S.

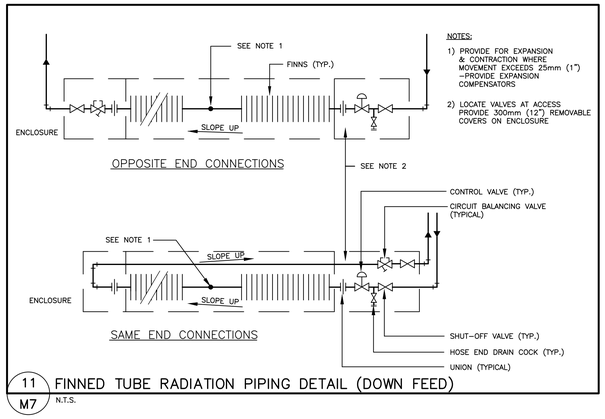


5 M7 DETAIL OF ROOF MOUNTED EXHAUST FAN

N.T.S.

12 M7 FINNED TUBE RADIATION AND CONVECTOR PIPING DETAIL (UP FEED)

N.T.S.

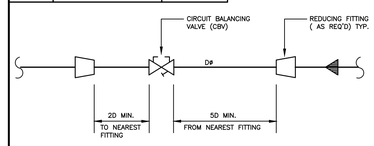


11 M7 FINNED TUBE RADIATION PIPING DETAIL (DOWN FEED)

N.T.S.

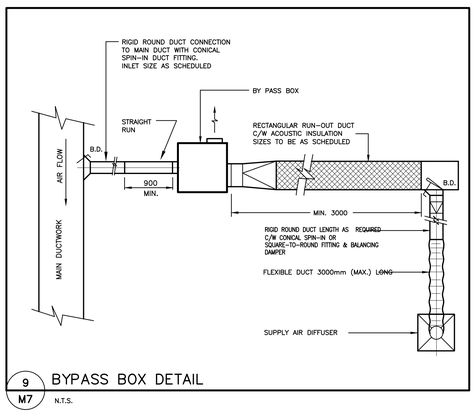
VALVE SELECTION GUIDE
(BASED ON "TOUR & ANDERSSON")

NOM. SIZE (mm)	NOM. FLOW (L/MIN.).	MAX. FLOW (L/MIN.).
15	UP TO 10.6	17.1
20	7.6 – 22.7	37.9
25	14.8 – 37.9	56.8
32	18.9 – 56.8	94.7
40	25.0 – 75.8	128.8
50	47.7 – 136.4	227.4
65	77.6 – 344.5	606.4
75	121.1 – 503.5	833.8
100	257.0 – 758.0	1212.8
125	341.0 – 1212.8	1970.8
150	689.0 – 1705.5	2653.0
200	1389.0 – 3032.0	4927.0



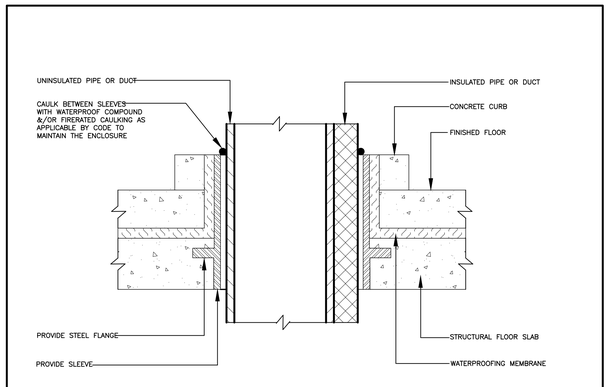
10 M7 TYPICAL CIRCUIT BALANCING VALVE DETAIL

N.T.S.



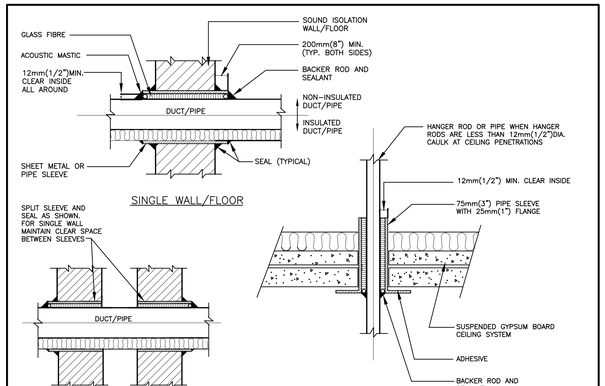
9 M7 BYPASS BOX DETAIL

N.T.S.



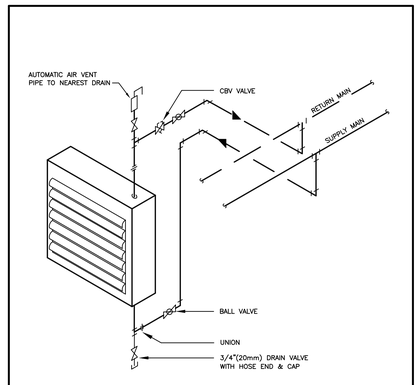
16 M7 PIPE OR DUCT FLOOR PENETRATION DETAIL

N.T.S.



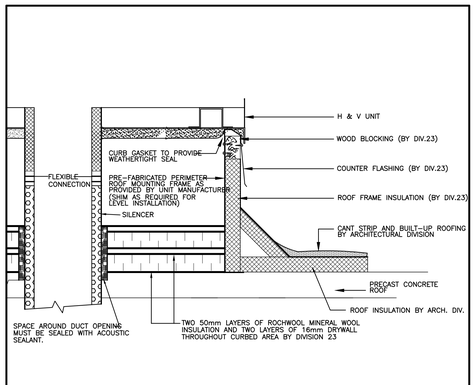
15 M7 PENETRATIONS THRU SOUND ISOLATION WALLS/FLOORS

N.T.S.



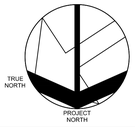
14 M7 HOT WATER HORIZONTAL UNIT HEATER

N.T.S.



13 M7 RTU ROOF CURB DETAIL

N.T.S.



3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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.

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

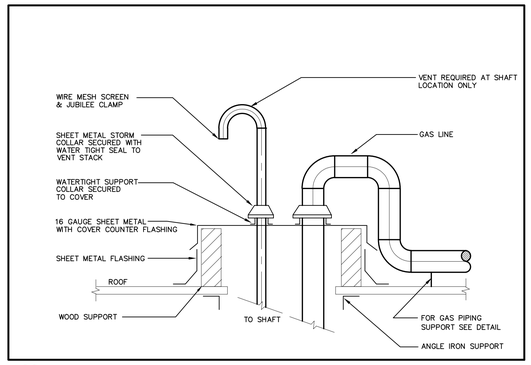
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC -
DETAILS (1)

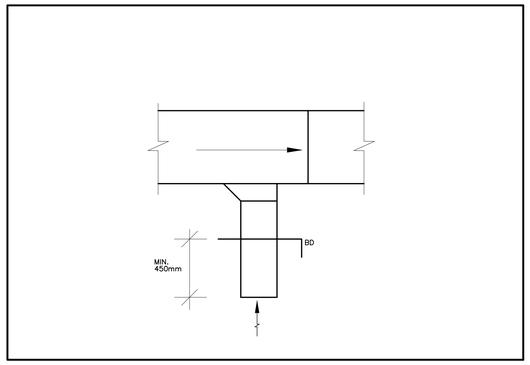
rybka Ellard Willson

SCALE AS NOTED	PROJECT 24112
DATE JUNE 2026	
DRAWN J.Y.	DRAWING M7
CHECKED SW	
PRINT DATE	2026-06-16
REVIT FILE	

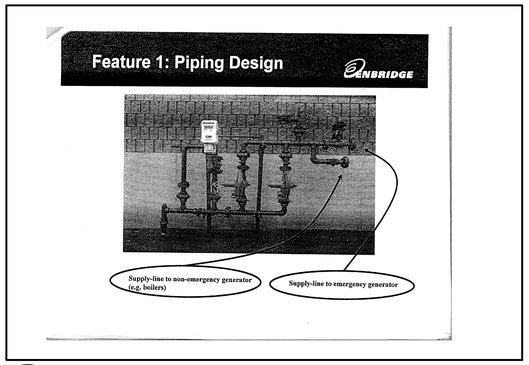
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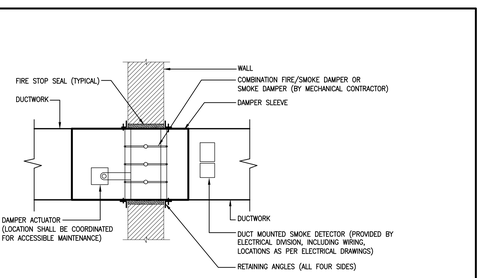
3 M8 GAS PIPING THROUGH ROOF DETAIL N.T.S.



2 M8 TYPICAL DAMPER LOCATION AT OPEN-END DUCT N.T.S.



1 M8 INCOMING GAS LINE DETAIL N.T.S.

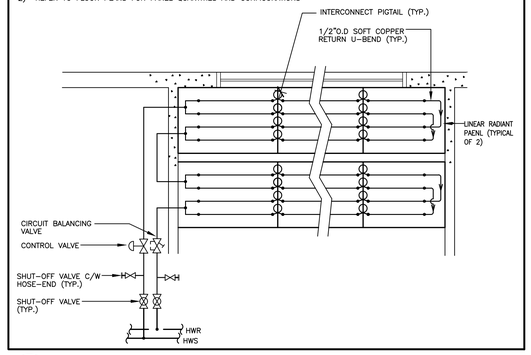


NOTES:

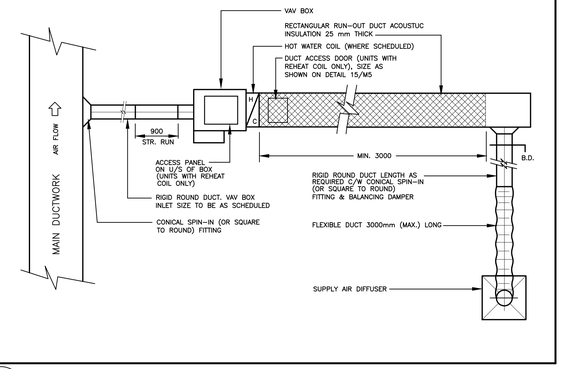
1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCAL CODE REQUIREMENTS FOR DAMPERS
2. SLEEVE LENGTH OF COMBINATION FIRE/SMOKE DAMPER OR SMOKE DAMPER SHALL BE DEPENDENT ON WALL THICKNESS. WALL THICKNESS SHALL BE FIELD VERIFIED BY CONTRACTOR
3. CONTRACTOR SHALL COORDINATE WITH DAMPER MANUFACTURER FOR DAMPER ACTUATOR LOCATIONS FOR ACCESSIBLE MAINTENANCE PRIOR TO RELEASE OF PRODUCTION.
4. CONTRACTOR SHALL PROVIDE DAMPER SCHEDULE FOR ALL SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS FOR EACH LOCATION INCLUDING DAMPER SIZES AND SLEEVE LENGTH.
5. GENERAL CONTRACTOR SHALL PROVIDE ACCESS DOOR FOR DAMPER ACTUATOR WHERE THE DAMPER IS INSTALLED IN ENCLOSED SPACE.

10 M8 SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER INSTALLATION DETAIL N.T.S.

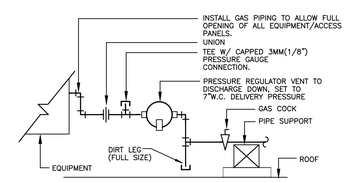
NOTES:
1) PIPING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS
2) REFER TO FLOOR PLANS FOR PANEL QUANTITIES AND CONFIGURATIONS



6 M8 TYPICAL 4-TUBE MULTIPLE LINEAR PANEL PIPING CONNECTIONS-2 CIRCUITS (TWO PANELS IN SERIES) N.T.S.

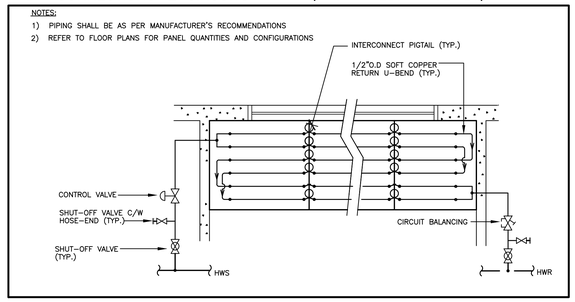


5 M8 VAV BOX DETAIL N.T.S.



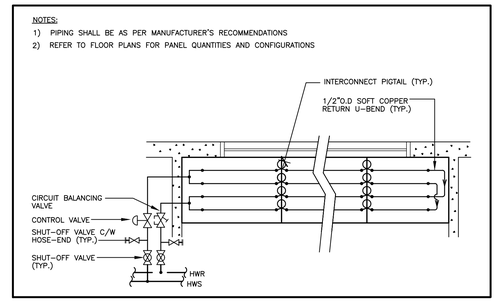
4 M8 RTU GAS CONNECTION DETAIL N.T.S.

NOTES:
1) PIPING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS
2) REFER TO FLOOR PLANS FOR PANEL QUANTITIES AND CONFIGURATIONS



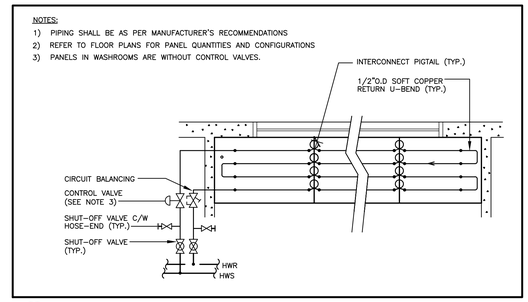
9 M8 TYPICAL 6-TUBE MULTIPLE LINEAR PANEL PIPING CONNECTIONS-2 CIRCUITS N.T.S.

NOTES:
1) PIPING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS
2) REFER TO FLOOR PLANS FOR PANEL QUANTITIES AND CONFIGURATIONS

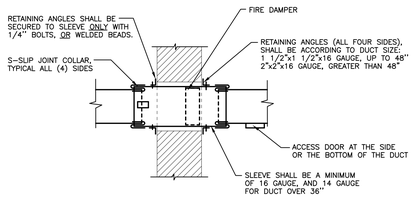


8 M8 TYPICAL 4-TUBE MULTIPLE LINEAR PIPING CONNECTIONS-2 CIRCUITS N.T.S.

NOTES:
1) PIPING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS
2) REFER TO FLOOR PLANS FOR PANEL QUANTITIES AND CONFIGURATIONS
3) PANELS IN WASHROOMS ARE WITHOUT CONTROL VALVES.



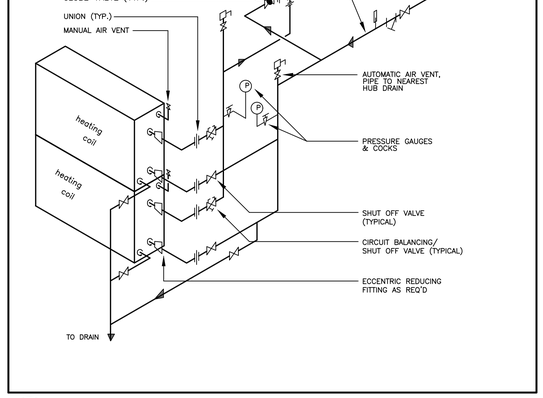
7 M8 TYPICAL 4-TUBE AND 6-TUBE MULTIPLE LINEAR PANEL PIPING CONNECTIONS-1 CIRCUIT N.T.S.



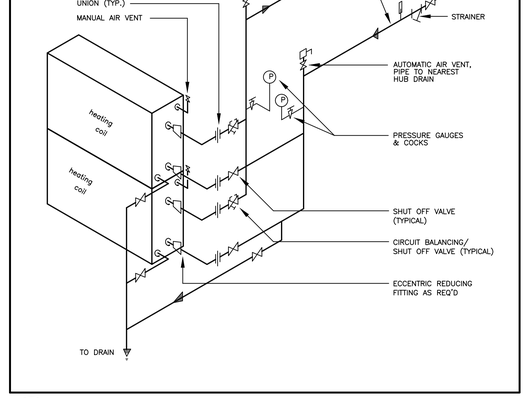
NOTES:

1. INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATION.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF FIRE-RATING WALLS, AND VERIFYING LOCAL CODE REQUIREMENTS FOR DAMPERS.

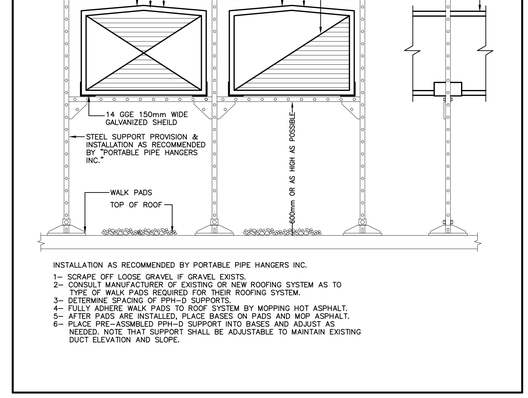
14 M8 FIRE DAMPER INSTALLATION DETAIL N.T.S.



13 M8 AHU-2 HEATING COIL 3-WAY CONTROL VALVE PIPING HOOK-UP N.T.S.



12 M8 AHU-1 AND AHU-3 HEATING COIL 2-WAY CONTROL VALVE PIPING HOOK-UP N.T.S.



INSTALLATION AS RECOMMENDED BY PORTABLE PIPE HANGERS INC.

1- SCRAPE OFF LOOSE GRAVEL IF GRAVEL EXISTS.
2- CONSULT MANUFACTURER OF EXISTING OR NEW ROOFING SYSTEM AS TO TYPE OF WALK PADS REQUIRED FOR THEIR ROOFING SYSTEM.
3- DETERMINE SPACING OF PPH-D SUPPORTS.
4- FULLY ADHERE WALK PADS TO ROOF SYSTEM BY MOPPING HOT ASPHALT.
5- AFTER PADS ARE INSTALLED, PLACE BASES ON PADS AND MOP ASPHALT.
6- PLACE PRE-ASSMBLED PPH-D SUPPORT INTO BASES AND ADJUST AS NEEDED. NOTE THAT SUPPORT SHALL BE ADJUSTABLE TO MAINTAIN EXISTING DUCT ELEVATION AND SLOPE.

11 M8 DETAIL - ROOFTOP DUCT INSTALLATION N.T.S.

TRUE NORTH
PROJECT NORTH

1	RE-ISSUED BUILDING PERMIT	12/16/25
3	ISSUED FOR TENDER	06/17/26
2	ISSUED BUILDING PERMIT	10/14/25
1	ISSUED FOR 80%	06/27/25

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 FORBIDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

LICENSED PROFESSIONAL ENGINEER S. WANG 100118018 JUNE 16/26 FOR #24036 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA 2025-0025

peel District School Board
5650 HURONTARIO STREET,
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - DETAILS (2)

rybka Ellard Wilson

SCALE	AS NOTED
DATE	JUNE 2026
DRAWN	J.Y.
CHECKED	SW
PROJECT	24112
DRAWING	M8
PRINT DATE	2026-06-16
REVIT FILE	

24036

GENERAL NOTES:

1. 20ø VALVED CW LINE DN TO SERVE NFHB #1 MTD. @ 700mm A.F.G.
2. 12ø TEMPERED & 20ø COLD VALVED WATER LINES & 50ø VENT LINE DOWN TO SERVE 2-W.C.'s, 2-LAV.'s & 2-F.D.'s.
3. 12ø VALVED TEMPERED WATER LINE AND 32ø VENT LINE DOWN TO SERVE 1-SINK (LAV.)
4. 12ø VALVED TEMPERED WATER LINE UP
5. 12ø VALVED HOT & COLD WATER LINES UP
6. 50ø-COLD, 50ø-41°C HOT (TEMPERED), 50ø-60°C HOT, 25ø-41°C RECIRC. & 25ø-60°C RECIRC. WATER LINES UP
7. 12ø VALVED CW LINE AND 32ø VENT LINE DN TO SERVE 1-DF.
8. 12ø VALVED HOT & COLD WATER LINES AND 32ø VENT LINE DOWN TO SERVE 1-SINK (LAV.)
9. 25ø VALVED TEMPERED WATER AND 40ø VENT LINES DOWN TO SERVE 1-WASHFOUNTAIN.
10. 50ø VALVED COLD WATER LINE DOWN TO SERVE 2-W.C.'s & 3-UR.'s (BOYS WM-165/178)
11. 75ø VENT LINE DOWN TO SERVE 3-W.C.'s, 3-UR.'s & 1-F.D.'s. AND 75ø VENT LINE UP
12. 20ø VALVED COLD WATER LINE DOWN TO SERVE 1-ELECTRONIC TRAP PRIMING UNIT MTD. AT HIGH LEVEL.
13. 12ø VALVED TEMPERED & COLD WATER LINES AND 40ø VENT LINE DOWN TO SERVE 1-W.C., 1-LAV., & 1-F.D.
14. 65ø VALVED COLD WATER LINE DOWN TO SERVE 7-W.C.'s. (GIRLS WM-164/177)
15. 75ø VENT LINE DOWN TO SERVE 7-W.C.'s, 1-F.D.'s AND 75ø VENT LINE UP
16. 12ø VALVED COLD WATER LINE AND 32ø VENT LINE DOWN TO SERVE 2-D.F.'s.
17. 12ø VALVED HOT & 40ø VALVED COLD WATER LINES & 50ø VENT LINE DOWN TO SERVE 2-W.C.'s, 2-LAV.'s & 2-F.D.'s.
18. 100ø SAN. DRAIN F/A AND DN.
19. 50ø VENT LINE UP
20. 12ø VALVED HOT AND COLD WATER LINES DOWN, 50ø STANDPIPE DRAIN LINE DN. (TRAPPED BELOW FLOOR) AND 40ø VENT LINE DOWN TO SERVE 1-CLOTH WASHER & 1-F.D.
21. 12ø VALVED HOT & 32ø COLD WATER LINES AND 40ø VENT LINE DOWN TO SERVE 1-W.C., 1-LAV. & 1-F.D.
22. 12ø VALVED COLD WATER LINE c/w APPROVED BACKFLOW PREVENTOR DOWN TO SERVE REFRIGERATOR VALVE BOX. EQUAL TO SMS #MM-500-M/MB CONTROL VALVE METAL BOX WITH BALL VALVE, WATER HAMMER ARRESTOR & ¾" (10mm) COMPRESSION FITTING. PROVIDE REMOVEABLE BRASS COVER.
23. 12ø VALVED HOT AND COLD WATER LINES AND 40ø VENT LINE DOWN TO SERVE 1-SINK
24. 12ø VALVED H&CW LINES AND 40ø VENT LINE DN TO SERVE 1-SINK & 1-DISHWASHER. NOTE: PROVIDE ½"ø HW C/W VALVE BELOW COUNTER TO DISHWASHER. DISHWASHER DISCHARGE LINE CONNECT TO SINK DRAIN LINE UNDER COUNTER. LOCATE ON SITE.
25. 50ø VENT LINE DOWN TO SERVE 1-STANDING WASTE & 2-F.D.'s.
26. 150ø STANDING WASTE AT 450mm A.F.F. (TRAPPED, PRIMED & VENTED)
27. 12ø VALVED HOT & 25ø VALVED COLD WATER LINES & 40ø VENT LINE DOWN TO SERVE 1-W.C., 1-LAV. & 1-F.D.
28. 20ø VALVED H&CW LINES & 40ø VENT LINE DOWN TO SERVE 1-SINK, 1-JAN. SINK, 1-CLOTH WASHER & 1-F.D.
29. 100ø WEEPING TILE CONNECTION @ INV. 250.24m±
30. 75ø ELEVATOR SHAFT DRAIN "ZURN" Z-629 C/W B.M.V. (PRIME & VENT TO CODE)
31. 1067ømm#3048mm DEEP FIBERGLASS SAN. SUMP PIT C/W PUMP. 100ø OUTLET PIPE @ INV. 251.50m. REFER TO DETAIL 4/PD4. LABEL TOP COVER WITH "SANITARY".
32. 1067ømm#3048mm DEEP FIBERGLASS ELEVATOR WEEPING TILE SUMP PIT C/W PUMP. REFER TO DETAIL 3/PD4. (EXACT LOCATION BY ARCHITECT) (NOTE: SUMP PIT 600mm BELOW ELEVATOR PIT, CONFIRM ELEV. PIT DEPTH WITH ARCH.) LABEL TOP COVER WITH "STORM".
33. 50ø VENT LINE DOWN TO SERVE SANITARY SUMP PIT & SIDEWALL DRAIN AT ELEV. PIT
34. 12ø VALVED COLD WATER LINE AND 40ø VENT LINE DOWN TO SERVE 1-W.C. & 1-F.D.
35. 12ø TEMPERED & 20ø COLD VALVED WATER LINES & 50ø VENT LINE DOWN TO SERVE 2-W.C.'s, 2-LAV.'s & 1-F.D.
36. 20ø VALVED H&CW LINES AND 50ø VENT LINE DN TO SERVE 1-KITCHEN SINK, 1-DISHWASHER & 1-GREASE INTERCEPTOR. NOTE: PROVIDE ½"ø HW C/W VALVE BELOW COUNTER TO DISHWASHER. DISHWASHER DISCHARGE LINE CONNECT TO SINK DRAIN LINE UNDER COUNTER. LOCATE ON SITE.
37. 100ø VENT UP THROUGH ROOF
38. 20ø VALVED TEMPERED WATER LINE DN & 32ø VENT LINE UP TO SERVE 2-SINK.'s.
39. 12ø VALVED COLD WATER LINE UP AND 40ø DRAIN FROM ABOVE TO SERVE STUDENT SINK ABOVE
40. GREASE INTERCEPTOR (DAYCARE KITCHEN #312): GREASE INTERCEPTOR MOUNTED ON FLOOR BELOW COUNTER, SHALL BE EQUAL Z-1171-500, DURA-COATED INTERIOR AND EXTERIOR FABRICATED STEEL, LOW TYPE GREASE INTERCEPTOR WITH ALUMINUM COVER, FLOW RATING OF 20 GPM (76 LPM) AND 40 lbs (18 Kg) OF GREASE CAPACITY. NOTE: INSTALLATION MUST PROVIDE CLEAR ACCESS FOR CLEANING.
41. 20ø HOT & 32ø COLD VALVED WATER LINES UP TO TEACHERS BENCH SINK AND 32ø COLD & 12ø HOT WATER LINES FROM ABOVE TO SERVE STUDENT BENCH & PREP ROOM SINKS – REFER TO DETAIL 3/PD4
42. NOTE: SAN. SUMP PIT AND STM. SUMP PIT HIGH WATER ALARM PANEL LOCATED 2500mm± AFT. COORDINATE ON SITE. PROVIDE LAMACOID LABEL ON EACH PANEL WITH "HIGH WATER ALARM STORM" OR "HIGH WATER ALARM SANITARY", CONNECT TO SECURITY PANEL. SEE ELECTRICAL DRAWINGS.
43. 12ø VALVED HOT & COLD WATER LINES AND 40ø VENT LINE DN TO SERVE 1-JANITOR SINK, 1-EYEWASH/MIXING VALVE & 1-F.D. LOCATE MIXING VALVE BELOW EYEWASH PROVIDE 12ø BLENDED WATER TO EYEWASH.
44. PIPE TRACING OUTLET. SEE ELECTRICAL DWGS.
45. 40ø DRAIN FROM SINK ABOVE (TRAPPED IN CEILING SPACE)
46. 40ø DRAIN LINE FROM ABOVE
47. 40ø DRAIN LINE FROM ABOVE AND DN. THRU FLOOR.
48. 12ø VALVED H&CW LINES DN. TO 1-SHOWER.
49. 50ø STANDPIPE TERMINATED IN WASHER BOX, TRAPPED BELOW FLOOR
50. 65ø COLD WATER LINE DN. TO SERVICE 3-WC's & 3-UR's.

NOTE:
PROVIDE FIRE CAULKING FOR ALL PENETRATIONS THRU FIRE SEPARATIONS

100ø CONTROL FLOW ROOF DRAIN ABOVE #1 (1-WEIR) 10.45 G.P.M.–MAX. FLOW 2.09" WATER DEPTH 1.70 HRS. DRAIN DOWN TIME

100ø CONTROL FLOW ROOF DRAIN ABOVE #1 (1-WEIR) 10.45 G.P.M.–MAX. FLOW 2.09" WATER DEPTH 1.70 HRS. DRAIN DOWN TIME

FIN. FLOOR ELEV. 259.80m

TRUE NORTH
PROJECT NORTH

4	ISSUED FOR TENDER	06/17/25
3	ISSUED FOR BUILDING PERMIT	10/14/25
2	ISSUED FOR 80%	6/27/25
1	ISSUED FOR SPA	3/17/25

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LICENSED PROFESSIONAL ENGINEER S. WANG 100118018 JUNE 16/26 POR #2403 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLUMBING & DRAINAGE - GROUND FLOOR PLAN

rybka Eliard Willson

SCALE	PROJECT 24112
DATE OCT. 2025	
DRAWN G.G.	DRAWING PD1
CHECKED S.G.	
PRINT DATE	
REVIT FILE	

24036

NOTE:
PROVIDE FIRE CAULKING FOR ALL PENETRATIONS THRU FIRE SEPARATIONS

GENERAL NOTES:

1. 12ø VALVED TEMPERED WATER LINE FROM BELOW AND 32ø VENT LINE DOWN TO SERVE 2-SINK's.
2. 12ø VALVED TEMPERED WATER LINE FROM BELOW AND 32ø VENT LINE DOWN TO SERVE 1-SINK (LAV.)
3. 65ø COLD, 50ø-41°C HOT (TEMPERED), 40ø-60°C HOT, 25ø-41°C RECIRC. & 20ø-60°C RECIRC. WATER LINES UP & DN
4. 75ø VENT LINE UP AND 100ø VENT UP THROUGH ROOF
5. 12ø VALVED COLD WATER LINE FROM BELOW AND 32ø VENT LINE DOWN TO SERVE 1-D.F.
6. 12ø VALVED HOT & COLD WATER LINES FROM BELOW AND 40ø VENT LINE DOWN TO SERVE 1-JANITOR SINK, 1-F.D. & 1-EYEWASH/MIXING VALVE. 12ø BLENDED WATER LINE TO EYEWASH.
7. 20ø VALVED COLD WATER LINE FROM BELOW TO SERVE 1-ELECTRONIC TRAP PRIMING UNIT.
8. 20ø VALVED COLD WATER LINE TO SERVE 1-ELECTRONIC TRAP PRIMING UNIT.
9. 40ø VENT LINE UP AND 100ø VENT UP THROUGH ROOF
10. 65ø VALVED COLD WATER LINE FROM BELOW AND 75ø VENT LINE DOWN TO SERVE 3-W.C.'s, 3-UR.'s & 1-F.D.
11. 25ø VALVED TEMPERED WATER LINE FROM BELOW AND 40ø VENT LINE DOWN TO SERVE 1-WASHFOUNTAIN.
12. 65ø VALVED COLD WATER LINE FROM BELOW AND 75ø VENT LINE DOWN TO SERVE 7-W.C.'s. & 1-F.D.
13. 75ø VENT LINE UP FROM BELOW
14. 12ø VALVED HOT & COLD WATER LINES FROM BELOW AND 32ø VENT LINE DOWN TO SERVE 1-SINK (LAV.)
15. 25ø VALVED COLD WATER LINE AND 12ø VALVED TEMPERED WATER FROM BELOW AND 40ø VENT LINE DOWN TO SERVE 1-W.C., 1-LAV. & 1-F.D.
16. 12ø VALVED HOT & 20ø COLD WATER LINES FROM BELOW AND 40ø VENT LINE DOWN TO SERVE 1-SINK & 1-EYEWASH/MIXING VALVE. 12ø BLENDED WATER LINE TO EYEWASH. LOCATE EYEWASH MIXING VALVE BELOW EYEWASH.
17. 12ø VALVED HOT & COLD WATER LINES FROM BELOW AND 32ø SAN. LINE DOWN AND 32ø VENT LINE UP TO SERVE 1-EYEWASH. 12ø BLENDED WATER LINE FROM MIXING VALVE TO EYEWASH.
18. 12ø VALVED HOT & COLD WATER LINES FROM BELOW TO SERVE 1-EYEWASH/MIXING VALVE. 12ø BLENDED WATER LINE TO EYEWASH.
19. 20ø HOT & 32ø COLD WATER LINES FROM BELOW, 40ø SAN. LINE DN TO TEACHERS BENCH AND 20ø HOT & 32ø COLD WATER LINE DOWN TO SERVE STUDENT BENCH & PREP ROOM SINKS REFER TO DETAIL 3/PD4 (SINK TRAP BELOW FLOOR)
20. 12ø VALVED COLD WATER LINE FROM BELOW TO SERVE 1-STUDENT SINK
21. 40ø VENT LINE DOWN TO BELOW FLOOR TO SERVE TEACHERS BENCH SINK & 2-F.D.'s
22. 40ø VENT LINE DOWN TO SERVE 1-F.D.
23. 50ø VENT LINE DOWN TO BELOW FLOOR TO SERVE 6-F.D.'s
24. 50ø VENT LINE UP FROM BELOW
25. 32ø VENT LINE UP FROM BELOW
26. 40ø DRAIN LINE DN. AND 32ø VENT LINE UP TO SERVE EYEWASH AND SINK.
27. 12ø VALVED COLD WWATER LINE FROM BELOW TO SERVE 1-STUDENT SINK.
28. 12ø VALVED H&CW LINES DN., 32ø DRAIN LINE DN. AND 32ø VENT LINE TO EYEWASH. INSTALL MIXING VALVE BELOW EYEWASH AND 12ø BLENDED WATER LINE FROM MIXING VALVE TO EYEWASH.
29. 40ø SAN. DRAIN DN AND 32ø VENT LINE UP TO SERVE 1-SINK.
30. 40ø SAN. DRAIN DN AND 32ø VENT LINE UP TO SERVE 1-SINK AND 1-EYEWASH.
31. 12ø VALVED TEMPERED WATER LINE FROM BELOW TO SINK. RUN 40ø SAN. DRAIN LINE TIGHT TO WALL AND DN IN SHAFT, 32ø VENT LINE UP TO SERVE 1-SINK.

TRUE NORTH
PROJECT NORTH

4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR BUILDING PERMIT	10/14/25
2	ISSUED FOR 80%	6/27/25
1	ISSUED FOR SPA	3/17/25

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LICENSED PROFESSIONAL ENGINEER
S. WANG
100118018
JUNE 16/26
FOR #24036
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.,
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

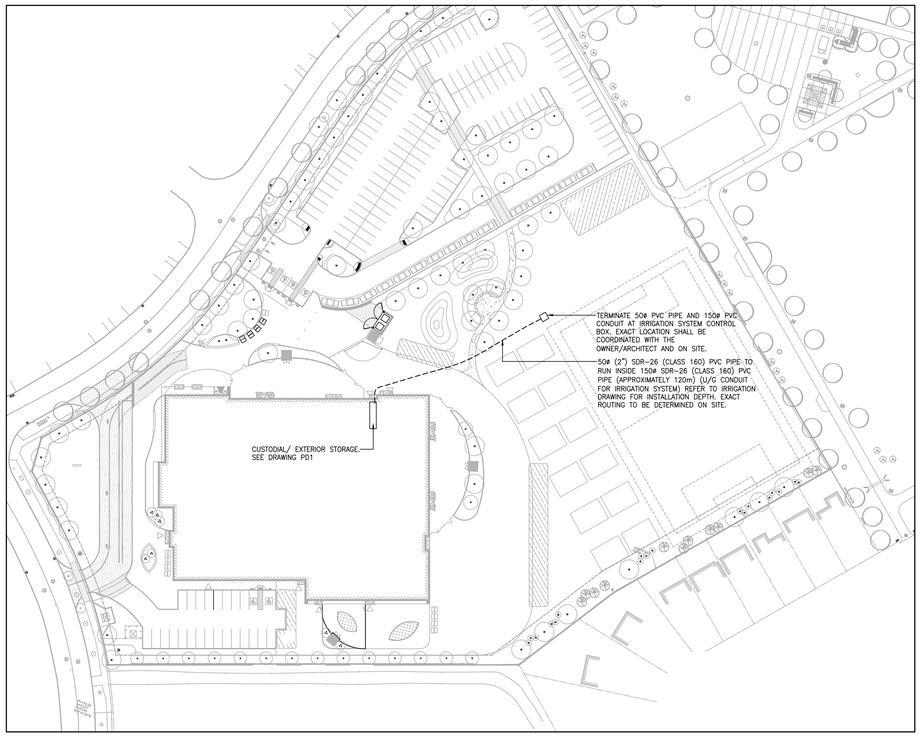
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLUMBING & DRAINAGE - SECOND FLOOR PLAN

rybka Ellard Willson

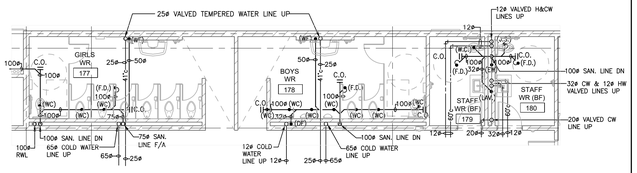
SCALE	PROJECT 24112
DATE OCT. 2025	
DRAWN G.G.	DRAWING PD2
CHECKED S.G.	
PRINT DATE	
REVIT FILE	

24036



3 PD3 PART SITE PLAN - IRRIGATION SYSTEM WATER CONNECTION

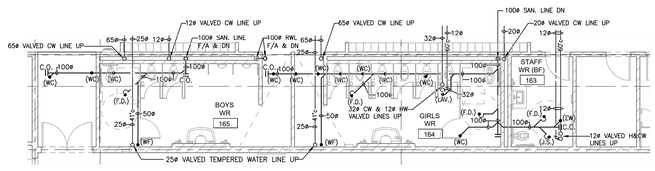
SCALE: 1:750



2 PD3 PART GROUND FLOOR (WASHROOM)

1:100

(NOTE: SANITARY DRAIN LINES AND HOT & COLD WATER LINES OF SECOND FLOOR WASHROOMS IN CEILING SPACE OF GROUND FLOOR WASHROOMS. FOR CONTINUATION SEE FLOOR PLAN PD1)



1 PD3 PART GROUND FLOOR (WASHROOM)

1:100

(NOTE: SANITARY DRAIN LINES AND HOT & COLD WATER LINES OF SECOND FLOOR WASHROOMS IN CEILING SPACE OF GROUND FLOOR WASHROOMS. FOR CONTINUATION SEE FLOOR PLAN PD1)

TRUE NORTH

PROJECT NORTH

4	ISSUED FOR TENDER	06/17/25
3	ISSUED FOR BUILDING PERMIT	10/14/25
2	ISSUED FOR 80%	6/27/25
1	ISSUED FOR SPA	3/17/25

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LICENSED PROFESSIONAL ENGINEER
S. WANG
100118018
JUNE 16/25
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLUMBING & DRAINAGE - PART PLANS

rybka Ellard Willson

SCALE	PROJECT 24112
DATE OCT. 2025	
DRAWN G.G.	DRAWING PD3
CHECKED S.G.	
PRINT DATE	
REVIT FILE	

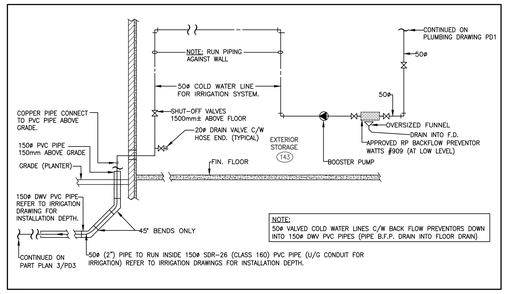
24036

PLUMBING FIXTURE LEGEND

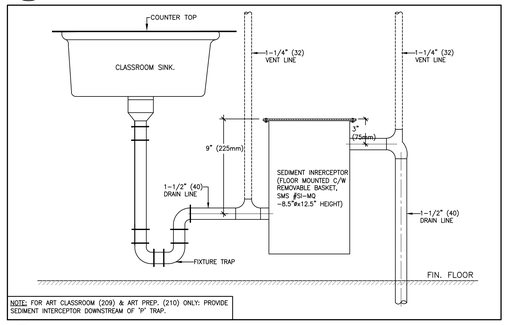
FIX. REF.	FIXTURE	HOT WATER (60°C)	HOT WATER (41°C)	COLD WATER	DIR. DRAIN	VENT	REMARKS
A	WATER CLOSET F.M. (F.V.)	--	--	25ø	100ø	40ø	PUBLIC
A1	WATER CLOSET F.M. (F.V.)	--	--	25ø	100ø	40ø	BARRIER FREE PUBLIC
A2	WATER CLOSET F.M. (F.T.)	--	--	12ø	75ø	40ø	KINDERGARTEN/DAYCARE
A3	WATER CLOSET F.M. (F.T.)	--	--	12ø	75ø	40ø	DAYCARE-BABY BOWL
B	URINAL (AUTOMATIC FLUSH)	--	--	20ø	50ø	40ø	PUBLIC
C	LAVATORY (WALL HUNG)	12ø	--	12ø	32ø	32ø	ELECTRONIC (STAFF)
C1	LAVATORY (WALL HUNG)	12ø	--	12ø	32ø	32ø	BARRIER FREE-ELECTRONIC (STAFF)
C2	LAVATORY (WALL HUNG)	--	12ø	--	32ø	32ø	KINDERGARTEN/DAYCARE-BF
C3	LAVATORY (WALL HUNG)	--	12ø	--	32ø	32ø	KINDERGARTEN/DAYCARE
C4	LAVATORY (WALL HUNG)	12ø	--	12ø	32ø	32ø	STAFF
D	COUNTER SINK	--	12ø	--	40ø	32ø	CLASS ROOM SINGLE COMPARTMENT
D1	COUNTER SINK	12ø	--	12ø	40ø	32ø	SINGLE COMPARTMENT KITCHEN
D2	COUNTER SINK	12ø	--	12ø	40ø	32ø	DOUBLE COMPARTMENT/BF
D3	COUNTER SINK	12ø	--	12ø	40ø	32ø	SINGLE BOWL INSTALL MIXING VALVE ON THE HW SUPPLY
D4	S.S. SINK	12ø	--	12ø	40ø	32ø	MIXING VALVE ON HW SUPPLY. MUSIC ROOM/SCIENCE & TECH. ROOM
D5	COUNTER SINK	--	12ø	--	40ø	32ø	ART ROOM SINK WITH SEDIMENT TRAP
D6	COUNTER SINK (316 SS)	12ø	--	12ø	40ø	32ø	SCIENCE ROOM TEACHER/PREP. ROOM
D7	COUNTER SINK (316 SS)	--	--	12ø	40ø	32ø	SCIENCE ROOM STUDENT
D8	COUNTER SINK (316 SS)	--	--	12ø	40ø	32ø	SCIENCE ROOM STUDENT - BARRIER FREE
D9	ART ROOM SINK	12ø	--	12ø	40ø	32ø	c/w SEDIMENT TRAP AND MIXING VALVE
D10	COUNTER SINK	12ø	--	12ø	40ø	32ø	HEALTH-SINGLE
D11	COUNTER SINK	12ø	--	12ø	40ø	32ø	SINGLE - BARRIER FREE
D12	COUNTER SINK	12ø	--	12ø	40ø	32ø	3-COMP. DAYCARE
D13	COUNTER SINK	--	12ø	12ø	40ø	32ø	SINGLE - DAYCARE
D14	COUNTER SINK	12ø	--	12ø	40ø	32ø	DAYCARE WASHROOM (BESIDE CHANGE TABLE)
D15	COUNTER SINK	12ø	--	12ø	40ø	32ø	DAYCARE (LAUNDRY)
E	JANITORS SINK	12ø	--	12ø	75ø	40ø	
F	WASHFOUNTAIN	--	25ø	--	50ø	40ø	3-STATION BARRIER FREE
F1	WASHFOUNTAIN	--	25ø	--	50ø	40ø	4-STATION BARRIER FREE
G	DRINKING FOUNTAIN	--	--	12ø	32ø	32ø	KINDERGARTEN
G1	DRINKING FOUNTAIN	--	--	12ø	32ø	32ø	HI-LO BARRIER FREE
G2	DRINKING FOUNTAIN	--	--	12ø	32ø	32ø	HI-LO BARRIER FREE WITH BOTTLE FILLER
G3	DRINKING FOUNTAIN	--	--	12ø	32ø	32ø	KINDERGARTEN BARRIER FREE
G4	BOTTLE FILLER	--	--	12ø	32ø	32ø	
H	DISHWASHER	12ø	--	--	40ø	32ø	
J	SHOWER	12ø	--	12ø	75 F.D.	40ø	BARRIER FREE
K	EYE WASH	12ø	--	12ø	32ø	32ø	WALL MOUNTED WITH MIXING VALVE
K1	EYE WASH	12ø	--	12ø	--	--	WALL MOUNTED, HAND HELD WITH MIXING VALVE
K2	EYE WASH	12ø	--	12ø	--	--	COUNTER MOUNTED, HAND HELD WITH MIXING VALVE
L	AUTOMATIC WASHER	12ø	--	12ø	50ø	40ø	
M	FRIDGE BOX	--	--	12ø	--	--	C/W B.F.P. ON COLD WATER SUPPLY

PLUMBING PIPING LEGEND

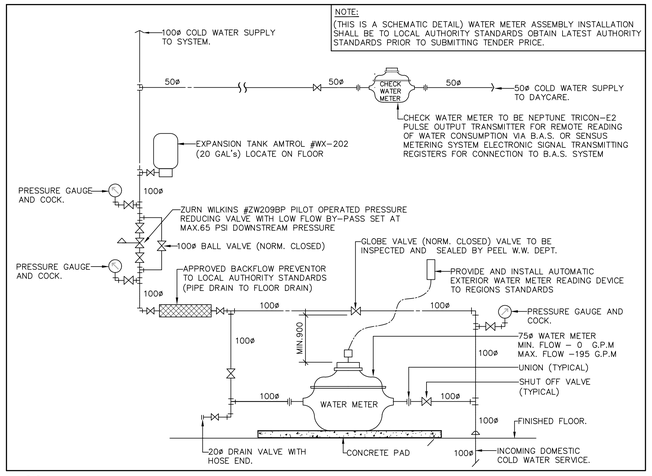
	SANITARY DRAIN LINE ABOVE FINISHED GRADE / FINISHED FLOOR
	SANITARY DRAIN LINE BELOW FINISHED GRADE /FINISHED FLOOR
ST	STORM DRAIN LINE ABOVE FINISHED GRADE / FINISHED FLOOR
ST	STORM DRAIN LINE BELOW FINISHED GRADE / FINISHED FLOOR
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	HOT WATER RECIRCULATION LINE
	SANITARY VENT LINE
	ELECTRICALLY TRACED LINE
HCO CO	CLEANOUT
F.EX.	FIRE EXTINGUISHER
F.EX.ø2 & CAB.	FIRE EXTINGUISHER IN CABINET



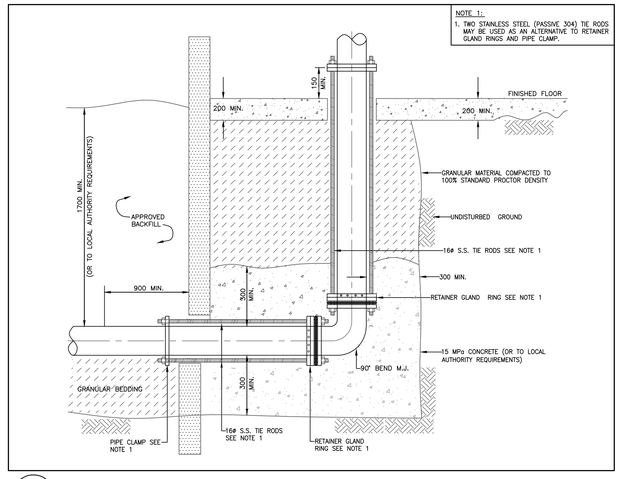
10 PD4 SCHEMATIC DETAIL OF IRRIGATION SYSTEM CONNECTION
N.T.S.



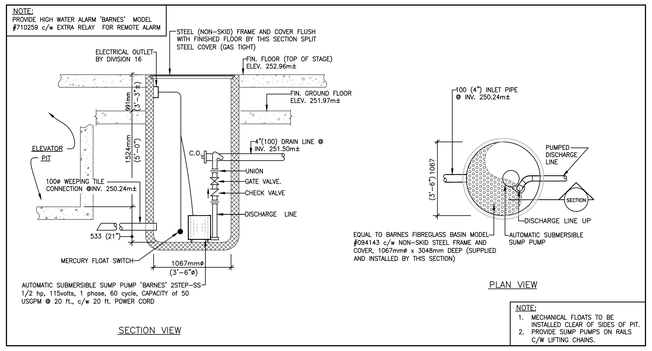
11 PD4 DETAIL OF CLASSROOM SINK WITH SEDIMENT INTERCEPTOR
N.T.S.



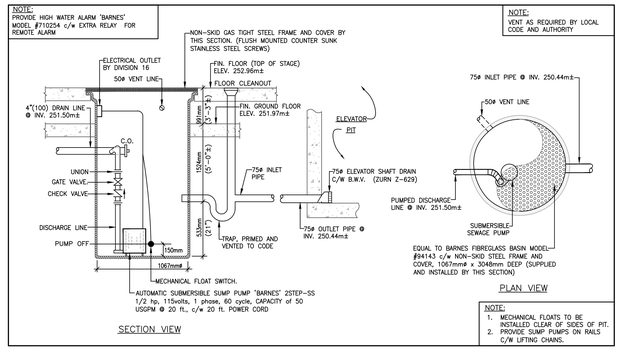
1 PD4 SCHEMATIC DETAIL OF DOMESTIC WATER METER ASSEMBLY
N.T.S.



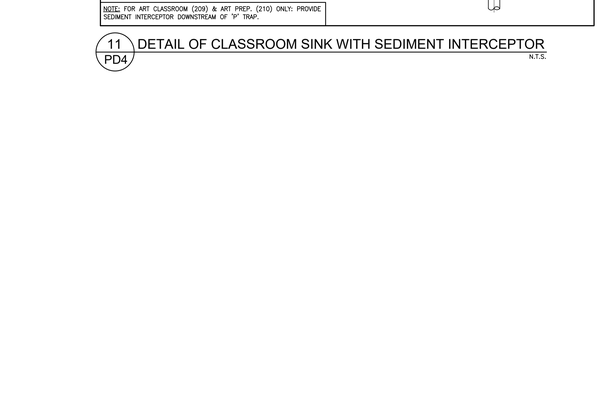
2 PD4 BUILDING RISER DETAIL (DOMESTIC WATER LINE AND FIRE LINE)
N.T.S.



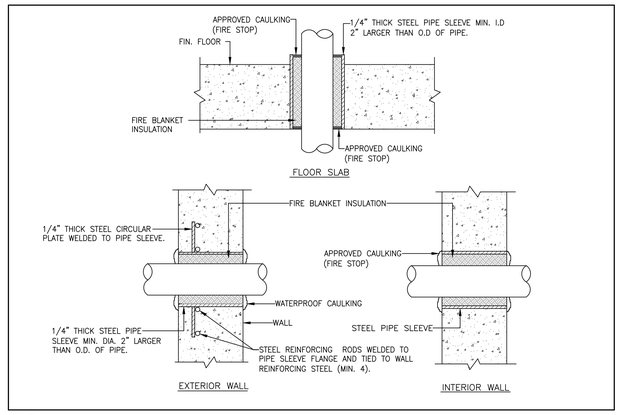
3 PD4 SCHEMATIC DETAIL OF ELEVATOR WEEPING TILE SUMP PIT AND PUMP
N.T.S.



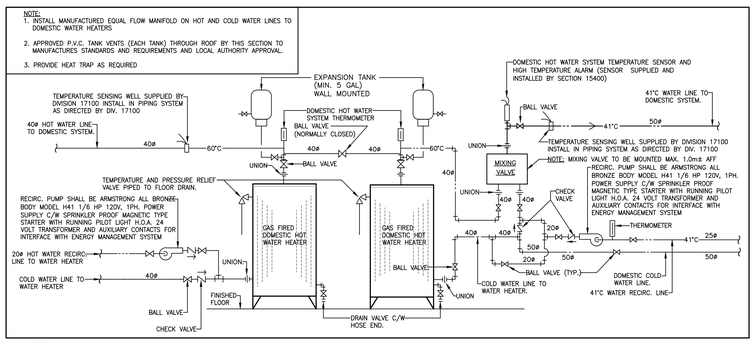
4 PD4 SCHEMATIC DETAIL OF ELEVATOR SUMP PIT AND PUMP
N.T.S.



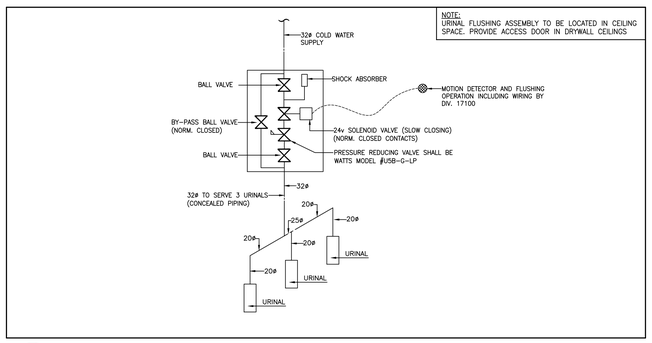
5 PD4 DETAIL OF SCIENCE CLASSROOM SHUT-OFF VALVES AT INSTRUCTOR'S DESK
N.T.S.



6 PD4 DETAIL OF PIPE SLEEVE THROUGH FLOOR SLAB INTERIOR AND EXTERIOR WALLS
N.T.S.



7 PD4 SCHEMATIC DETAIL OF DOMESTIC GAS FIRED HOT WATER HEATERs MOUNTED ON FLOOR (60°C HOT WATER AND 41°C TEMPERED WATER)
N.T.S.



8 PD4 SCHEMATIC DETAIL OF SOLENOID OPERATED URINAL FLUSHING ASSEMBLY
N.T.S.

TRUE NORTH
PROJECT NORTH

4	ISSUED FOR TENDER	06/17/25
3	ISSUED FOR BUILDING PERMIT	10/14/25
2	ISSUED FOR 80%	6/27/25
1	ISSUED FOR SPA	3/17/25

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 S. WANG 100118018 JUNE 16/24 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE., CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261
REGISTERED PLAN 43M-2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLUMBING & DRAINAGE - DETAILS AND LEGEND

rybka Ellard Willson

SCALE	
DATE	OCT. 2025
DRAWN	G.G.
CHECKED	S.G.
PROJECT	24112
DRAWING	PD4
PRINT DATE	
REVIT FILE	

24036

GENERAL SPECIFICATIONS

1.0 THESE DRAWINGS ARE FOR PERMIT, AND FOR PRICING, AND MUST BE ADHERED TO FOR INSTALLATION. IF CONTRACTOR WISHES TO ALTER DRAWINGS, THEN HE IS RESPONSIBLE FOR OBTAINING RE-APPROVALS.

2.0 CONTRACTOR TO SUPPLY AND INSTALL A COMPLETE AND FULLY OPERATIONAL AUTOMATIC SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THE SPECIFICATIONS AND CONFORMING TO N.F.P.A. REQUIREMENTS, O.B.C. REQUIREMENTS AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES.

3.0 UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL TEST THE SYSTEM AND SUBMIT TO THE ENGINEER COMPLETED CONTRACTORS TEST CERTIFICATES STATING THAT THE SYSTEMS HAVE BEEN INSTALLED, TESTED AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION IN ACCORDANCE WITH N.F.P.A.#13, LATEST OR APPLICABLE EDITION.

4.0 ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL CODES, STANDARDS BY-LAWS AND AUTHORITIES HAVING JURISDICTION.

5.0 SYSTEMS TO BE INSTALLED AS PER N.F.P.A. STANDARDS, AND LOCAL AUTHORITIES

6.0 SPRINKLER CONTRACTOR TO CO-ORDINATE INSTALLATION WITH EXISTING SITE CONDITIONS AND ACCEPT RESPONSIBILITY FOR AND COST OF MAKING ADJUSTMENTS TO PIPING TO AVOID INTERFERENCE WITH MECHANICAL, ELECTRICAL AND OTHER BUILDING COMPONENTS.

7.0 SPRINKLER CONTRACTOR TO INCLUDE FOR OFFSETS IN SPRINKLER PIPING AND MUST SUPPLY AND INSTALL TRAPEZE HANGERS WHERE REQUIRED. HANGERS FOR MAINS TO BE INSTALLED AT PANEL POINTS OF JOISTS.

✱ 8.0 ALL SPRINKLER VALVES TO BE SUPERVISED, AND U.L.C. LISTED.

✱ 9.0 SPRINKLER CONTRACTOR TO ALLOW FOR ADDITIONAL PRESSURE SWITCHES WHERE REQUIRED FOR ALARM SYSTEM.

10.0 CONTRACTOR TO ALLOW IN PRICE FOR SUFFICIENT PIPE AND FITTINGS TO INSTALL PENDENT SPRINKLERS WITHIN A 5 FT. RADIUS OF THE LOCATION SHOWN ON DRAWINGS.

11.0 ALL MATERIALS USED IN THE INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE CANADIAN MADE, UNLESS SPECIFICALLY APPROVED IN WRITING PRIOR TO INSTALLATION BY THE ARCHITECTS AND/OR ENGINEERS RESPONSIBLE FOR THE SYSTEM DESIGN.

12.0 ALL SPRINKLER EQUIPMENT SHALL BE OF ONE MANUFACTURER FROM THE FOLLOWING: GRINNELL, VIKING, CENTRAL, RELIABLE OR APPROVED EQUAL. ALL SHALL BE U.L.C. LISTED FOR THEIR SPECIFIC APPLICATION.

13.0 DRAWINGS ARE NOT TO BE SCALED.

14.0 THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEERS AND SHALL NOT BE ALTERED WITHOUT APPROVAL. DRAWINGS SHALL BE RETURNED UPON REQUEST.

15.0 SPRINKLER HEADS SHALL BE U.L.C. LISTED AND SHALL BE THE TYPE AND TEMPERATURE RATING SPECIFIED ON THE DRAWINGS.

16.0 PROVIDE SPARE SPRINKLER HEADS AND WRENCH IN A METAL CABINET, MOUNTED ON THE WALL NEAR THE MAIN SPRINKLER VALVE HEADER. AMOUNT AS PER N.F.P.A. STANDARD # 13 LATEST OR APPLICABLE EDITION.

17.0 SPRINKLERS OF SUITABLE TEMPERATURE RATING SHALL BE INSTALLED NEAR HEATING EQUIPMENT AS SPECIFIED IN N.F.P.A. STANDARD # 13 LATEST OR APPLICABLE EDITION.

18.0 PROVIDE ALL NECESSARY TRIM REQUIRED FOR ALARM CHECK VALVES TO COMPLY WITH APPLICABLE CODES AND REQUIREMENTS.

19.0 PENDENT SPRINKLERS INSTALLED WHERE SUSPENDED CEILING TILES OR DRYWALL OCCUR ARE TO BE EQUIPPED WITH TWO PIECE ESCUTCHEONS. (WHERE APPLICABLE)

20.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS AND FOR CO-ORDINATION WITH ALL SITE CONDITIONS. BEFORE COMMENCING WORK, EXAMINE THE SITE AND THE EXISTING CONDITIONS AND REPORT IMMEDIATELY TO THE ENGINEER ANY DEFECT OR INTERFERENCE AFFECTING THE COMPLETION OF THE WORK OR THE GUARANTEE OF THIS CONTRACTOR.

21.0 CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

✱ 22.0 PROVIDE FLOW ALARM DEVICES, SUPERVISORY SWITCHES AND PRESSURE SWITCHES WHERE SHOWN ON DRAWINGS. WIRING TO ANNUNCIATOR SHALL BE BY ELECTRICAL CONTRACTOR. PROVIDE NECESSARY SIGNS WHERE REQUIRED BY THE LOCAL FIRE AUTHORITIES.

23.0 EXACT LOCATION AND ELEVATION OF MAINS TO BE DETERMINED BY CONTRACTOR TO SUIT SITE CONDITIONS.

✱ DENOTES " IF APPLICABLE "

24.0 PROVIDE SHOP DRAWINGS FOR THE FOLLOWING:
- A) – SPRINKLER HEADS
- ✱ B) – ALARM VALVE AND TRIM
- ✱ C) – SUPERVISORY DEVICES
- D) – HANGERS
- ✱ E) – FLOW SWITCHES

25.0 A COPY OF N.F.P.A. STANDARD # 25 IS TO BE PROVIDED AND LEFT IN A VISIBLE LOCATION IN THE SPRINKLER ROOM.

26.0 DIMENSIONS AND/OR MEASUREMENTS INDICATED ON THE DRAWINGS ARE TO BE VERIFIED AT SITE AND ANY MAJOR DISCREPANCIES TO BE REPORTED PRIOR TO FABRICATION AND INSTALLATION. (IF APPLICABLE)

27.0 CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRAY PATTERN OF SPRINKLERS.

28.0 CONTRACTOR TO PROVIDE NECESSARY HANGERS AND ASSEMBLY TO COMPLY WITH THE FOLLOWING:
- A) UNSUPPORTED LENGTH BETWEEN END SPRINKLER AND LAST HANGER SHALL NOT EXCEED 36 INCHES FOR 1" DIA. PIPE, 48" FOR 1¼" DIA PIPE AND 60" FOR 1½" DIA. PIPE OR LARGER. NOTE: WHEN PRESSURE EXCEEDS 100 PSI, REFER TO NFPA STANDARD # 13
- B) THE LENGTH OF AN UNSUPPORTED ARM-OVER TO A SPRINKLER SHALL NOT EXCEED 24". NOTE: WHEN PRESSURE EXCEEDS 100 PSI, REFER TO NFPA STANDARD # 13

29.0 MINIMUM WALL THICKNESS OF SPRINKLER PIPING TO BE EQUIVALENT TO SCHEDULE 10S.

30.0 CONTRACTOR TO INCLUDE FOR AN ADDITIONAL 25 SPRINKLERS FOR BELOW OBSTRUCTIONS, TO SUIT SITE CONDITIONS AND MINOR REVISIONS ETC.

31.0 SPRINKLERS IN LIGHT HAZARD OCCUPANCIES (ie OFFICES, SCHOOLS ETC.) TO BE QUICK RESPONSE TYPE.

32.0 SPRINKLER SYSTEM TO BE SEISMICALLY RESTRAINED TO ONTARIO BUILDING CODE AND NFPA #13 REQUIREMENTS.

✱ 33.0 CONTRACTOR TO PROVIDE ADEQUATE DRAINS AS REQUIRED BY N.F.P.A.13 AND DISCHARGE TO A LOCATION TO SUIT SITE CONDITIONS.

OWNER (OR OTHERS) TO PROVIDE ADEQUATE HEAT IN ALL AREAS OF BUILDING SUBJECT TO FREEZING THAT ARE PROTECTED BY A WET TYPE SPRINKLER SYSTEM.

ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE.

ANY FIRE STOPPING, ACOUSTIC SEALANT AND MATERIALS USED IN THIS PROJECT WHICH COME IN CONTACT WITH CPVC SPRINKLER PIPING IS TO BE COMPATIBLE WITH CPVC PIPING.

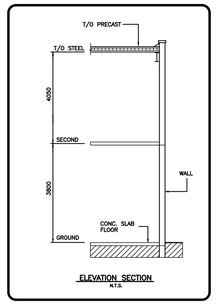
NOTE:

1. CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING

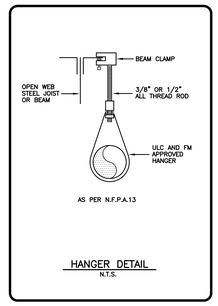
NEW SPRINKLER LINE
NEW SPRINKLER MAIN

N.C. DENOTES NEW CONNECTION
S.R. DENOTES STANDARD RESPOSE
Q.R. DENOTES QUICK RESPONSE
N.I.C DENOTES NOT IN CONTRACT
H.T. DENOTES HIGH TEMPERATURE

(XXX) (XX) HYDRAULIC IDS POINT

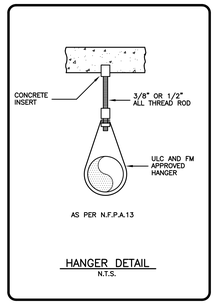


ELEVATION SECTION
N.T.S.



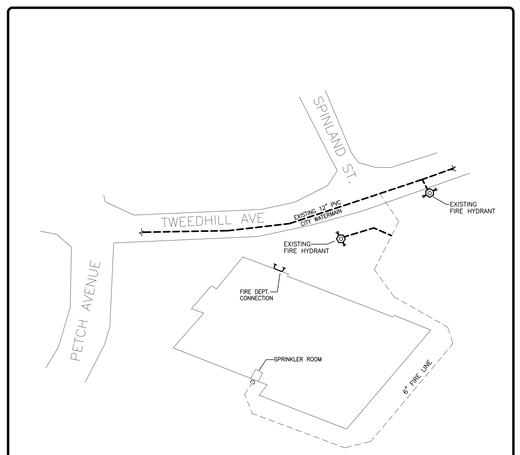
AS PER N.F.P.A.13

HANGER DETAIL
N.T.S.



AS PER N.F.P.A.13

HANGER DETAIL
N.T.S.



SITE PLAN FOR REFERENCE ONLY
SCALE 1:850

WINDOW SPRINKLER ASSEMBLY

TYCO MODEL WS SPECIFIC APPLICATION WINDOW SPRINKLERS HORIZONTAL AND PENDENT VERTICAL SIDEWALL

DESIGN CRITERIA:

THE MODEL WS WINDOW SPRINKLERS ARE LISTED BY UL AND C-UL, AND NYC APPROVED (MEA 335-01-E) FOR USE AS A "SPECIFIC APPLICATION WINDOW SPRINKLER" AND AS OPEN SPRINKLERS FOR "OUTSIDE" USE. THESE SPRINKLERS ARE ALSO RECOGNIZED BY THE INTERNATIONAL CODE COUNCIL EVALUATION SERVICE, UNDERWRITERS LABORATORIES OF CANADA (ULC), AND THE BUILDING MATERIALS EVALUATION COMMISSION (BMEC) FOR USE IN THE PROVINCE OF ONTARIO, CANADA AS PROVIDING A TWO-HOUR EQUIVALENCY FOR A FIRE SEPARATION ASSEMBLY, WHEN INSTALLED IN ACCORDANCE WITH THE NES REPORT (NER 516), ULC/ORD-C263.1 APPENDIX A, AND BMEC REPORT (01-11-263).

NOTE

NER 516 CAN BE OBTAINED AT WWW.ICC-ES.ORG. ULC/ORD-C263.1 APPENDIX A AND BMEC 01-11-263 MAY BE OBTAINED BY CONTACTING TECHNICAL SERVICES.

AREA OF USE:

WHEN ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AND UNLESS MODIFIED BY ONE OF THE REPORTS MENTIONED ABOVE, THE MODEL WS SPECIFIC APPLICATION WINDOW SPRINKLERS MAY BE USED IN EITHER A SPRINKLERED OR UNSPRINKLERED BUILDING TO PROTECT NONOPERABLE WINDOW OPENINGS THAT ARE PART OF A FIRE SEPARATION PROVIDED:

A) IN AN INTERIOR FIRE SEPARATION, THE WINDOW SPRINKLERS ARE INSTALLED ON BOTH SIDES OF THE WINDOW IN THE FIRE SEPARATION

B) IN JURISDICTIONS WHERE EXTERIOR SPATIAL SEPARATION (I.E., SEPARATION FROM ADJACENT SPACE) IS DEFINED AS PROTECTING AN ADJACENT BUILDING FROM A FIRE IN YOUR BUILDING, WINDOW SPRINKLERS ARE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING

C) IN JURISDICTIONS WHERE EXTERIOR SPATIAL SEPARATION IS DEFINED AS PROTECTING YOUR BUILDING FROM A FIRE IN AN ADJACENT BUILDING (I.E., EXPOSURE PROTECTION), OPEN WINDOW SPRINKLERS ARE INSTALLED ON THE EXTERIOR SIDE OF THE BUILDING

SYSTEM TYPE:

INTERIOR - PROTECTION – WET SYSTEMS.
OUTSIDE EXPOSURE PROTECTION – DELUGE.

GLASS TYPE:

NON-OPERERABLE, HEAT-STRENGTHENED, TEMPERED, SINGLE-GLAZED (SINGLE PANE); NON-OPERERABLE, HEAT-STRENGTHENED, TEMPERED, DOUBLE-GLAZED (DOUBLE PANE OR INSULATED); OR, NON-OPERERABLE, STRONGER GLASS WINDOW ASSEMBLIES. IN ALL THREE CASES, EACH INDIVIDUAL PANE OF THE WINDOW ASSEMBLY IS TO BE A MINIMUM 6 MM (1/4") THICK.

TYPE OF WINDOW FRAME/MULLION:

NONCOMBUSTIBLE FRAME WITH A STANDARD EPDM RUBBER GASKET SEAL. VERTICAL JOINTS OF GLASS PANES MUST BE CONNECTED BY BUTT-JOINTS SEALED WITH A SILICONE SEALANT BETWEEN THE INDIVIDUAL PANES OR BY NONCOMBUSTIBLE MULLIONS.

MAXIMUM LENGTH OF WINDOW ASSEMLY:

UNLIMITED.

MAXIMUM HEIGHT OF WINDOW ASSEMLY:

13'-0" (3,96 M)

MAXIMUM DISTANCE BETWEEN WINDOW SPRINKLERS:

8'-0" (2,44 M)

MINIMUM DISTANCE BETWEEN WINDOW SPRINKLERS:

6'-0" (1,83 M) UNLESS SEPARATED BY A BAFFLE OR MULLION OF SUFFICIENT DEPTH TO ACT AS A BAFFLE. (A MULLION WILL ACT AS A BAFFLE, WHEN IN THE CASE OF THE PENDENT VERTICAL SIDEWALL, THE MULLION EXTENDS TO THE BACK OF THE SPRINKLER DEFLECTOR, AND IN THE CASE OF THE HORIZONTAL SIDEWALL, THE MULLION EXTENDS TO THE SPRINKLER WRENCH FLAT.)

MINIMUM DISTANCE FROM STANDARD SPRINKLERS:

6'-0" (1,83 M) UNLESS SEPARATED BY A BAFFLE.

SPRINKLER LOCATION:

MULLIONED GLAZING ASSEMBLIES – LOCATE WINDOW SPRINKLERS WITHIN EACH MULLIONED GLAZING SEGMENT.
BUTT JOINTED GLAZING ASSEMBLIES – LOCATE WINDOW SPRINKLERS ON MAXIMUM 8'-0" (2,44 M) CENTRES.

MAXIMUM DISTANCE FROM VERTICAL MULLION:

4'-0" (1,22 M)

MINIMUM DISTANCE FROM VERTICAL MULLIONS:

0'-4" (101,6 MM)

INTERMEDIATE HORIZONTAL MULLIONS:

INTERMEDIATE HORIZONTAL MULLIONS WERE NOT TESTED WITH THE WINDOW SPRINKLER. THEIR USE IS OUTSIDE THE SCOPE OF THE "SPECIFIC APPLICATION" LISTING FOR THE WINDOW SPRINKLERS

DEFLECTOR LOCATION:

SPRINKLER DEFLECTORS MUST BE LOCATED AS DESCRIBED BELOW IN ORDER TO ENSURE THAT THE ENTIRE SURFACE OF THE GLASS WINDOW IS COVERED. SPRINKLER DEFLECTORS ARE POSITIONED WITH RESPECT TO THE WINDOW FRAME, NOT THE CEILING.

HORIZONTAL SIDEWALL – LOCATE WITHIN THE OUTSIDE EDGE OF THE WINDOW FRAME FROM 1/2" TO 4" (12,7 MM TO 101,6 MM) AWAY FROM THE GLASS AND 2" ± 1" (50,8 MM ± 25,4 MM) DOWN FROM THE TOP OF EXPOSED GLASS.

PENDENT VERTICAL SIDEWALL – LOCATE 4" TO 12" (101,6 MM TO 304,8 MM) FROM THE FACE OF THE GLASS AND 3" ± 1" (76,2 MM +_25,4 MM) DOWN FROM THE TOP OF THE EXPOSED GLASS.

MINIMUM CLEARANCE FROM FACE OF GLASS TO COMBUSTIBLE MATERIALS:

ALL COMBUSTIBLE MATERIALS SHALL BE KEPT 2" (50,8 MM) FROM THE FRONT FACE OF THE GLASS. THIS CAN BE ACCOMPLISHED BY A MINIMUM 36" (914,4 MM) PONY WALL OR OTHER METHOD ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

ESCUTCHEON ASSEMBLIES:

THE WINDOW SPRINKLERS CAN BE USED WITH ANY METALLIC FLUSH OR EXTENDED ESCUTCHEON, PROVIDED THE DIMENSIONS FROM THE SPRINKLER DEFLECTOR TO THE WINDOW FRAME AND GLASS SURFACE AS SPECIFIED IN THIS DATA SHEET ARE MAINTAINED. THESE SPRINKLERS ARE NOT LISTED FOR RECESSED APPLICATIONS.
(1/4") THICK.

RECOMMENDED HYDRAULIC REQUIREMENTS:

THE AUTHORITY HAVING JURISDICTION SHOULD BE CONSULTED TO DETER-MINE THE HYDRAULIC REQUIREMENTS FOR EACH INSTALLATION.
INTERIOR PROTECTION SPRINKLERED BUILDING – IDENTIFY WHICH COMPART-MENTED AREA HAS THE MOST HYDRAULIC DEMANDING WINDOW SPRINKLERS. CALCULATE ALL OF THE SPRINKLERS WITHIN A COMPARTMENTED AREA OR THE NUMBER OF WINDOW SPRINKLERS REQUIRED TO COVER A COMBINED LINEAR LENGTH OF GLASS EQUAL TO 1.2 X THE SQUARE ROOT OF THE SYSTEM AREA OF OPERATION, WHICHEVER IS GREATER. FOR EXAMPLE IF THE BUILDING DESIGN AREA IS 1500 FT2 THEN 1.2 X (1500 FT2) 1/2" LINEAR METERS OF GLASS; ADD THE WINDOW SPRINKLER DEMAND TO YOUR MOST DEMANDING HYDRAULIC DESIGN AREA.

INTERIOR PROTECTION NON-SPRINKLERED – CALCULATE ALL THE SPRINKLERS ON THE MOST DEMANDING SIDE OF THE GLAZING ASSEMBLY WITHIN THE ENCLOSURE.

EXTERIOR EXPOSURE PROTECTION – CALCULATE ALL SPRINKLERS CONTROLLED BY THE DELUGE VALVE USING THE DESIGN REQUIREMENTS OF NFPA

DURATION OF WATER SUPPLY:

THE DURATION OF THE WATER SUPPLY MUST COMPLY WITH THE REQUIRE-MENTS OF NFPA. IN THE EVENT THE WINDOW SPRINKLERS ARE BEING USED TO PROVIDE THE EQUIVALENCY OF A FIRE RATING, THE WATER SUPPLY MUST BE CAPABLE OF SUPPLYING WATER FOR THE REQUIRED RATING PERIOD.

MINIMUM FLOW PER SPRINKLER:

20 GPM (75,7 LPM) FOR SPRINKLER SPACING 6 TO 8 FT. (1,83 TO 2,44 M) OR 15 GPM (56,8 MLPM) FOR SPRINKLER SPACING LESS THAN 6FT, (1,83 M).

MAXIMUM PRESSURE PER SPRINKLER:

HORIZONTAL SIDEWALL = 70* PSI (4,83 BAR)
VERTICAL SIDEWALL = 175 PSI (12,07 BAR).
6FT, (1,83 M).

* THE 70 PSI IS ONLY FOR COLD SOLDER PURPOSES. IF THERE IS A BAFFLE OR MULLION OF SUFFICIENT DEPTH TO ACT AS A BAFFLE, SEPARATING THE SPRINKLERS, THE MAXIMUM PRESSURE IS 175 PSI.

SPECIFIC REQUIREMENTS

SEPARATE FLOW SWITCHES OR ALARM CHECK VALVES AND SUPERVISED CONTROL VALVES AND EACH FIRE COMPARTMENT ON EACH SYSTEM SHALL BE ELECTRICALLY SUPERVISED AND INDICATED SEPARATELY AT THE FIRE/SPRINKLER ALARM ANNUNCIATOR PANEL.

WHERE THE WATER SUPPLY IS FROM A STANDPIPE SYSTEM CONFORMING TO THE CODE, THE SIAMESE CONNECTION SHALL BE LABELLED AS PER THE STANDARD EXCEPT FOR THIS DUAL PURPOSE WHICH SHALL READ " STANDPIPE AND WINDOW SPRINKLERS ".

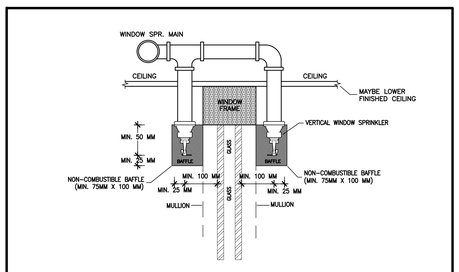
A NONCOMBUSTIBLE SIGN LEGIBLY PRINTED IN NOT LESS THAN 12.7 mm (1/2 IN.) BLOCK LETTERS WITH CONTRASTING WHITE BACKGROUND AND RED LETTERS SHALL BE PERMANENTLY MOUNTED AND MAINTAINED BESIDE THE MAIN WATER SUPPLY SOURCE TO THIS WINDOW SPRINKLER ASSEMBLY SYSTEM TO INDICATE:

MECHANICAL AND ELECTRICAL REQUIREMENTS

THE WINDOW SPRINKLER SYSTEM MUST BE SERVED BY A SIAMESE CONNECTION. IF A COMMON RISER SERVING THE WINDOW SPRINKLERS AND THE FLOOR SPRINKLERS IS UTILIZED, THE SIAMESE CONNECTION FEEDING THE RISER MAY ALSO SERVE THE WINDOW SPRINKLER SYSTEM, PROVIDED THE CONNECTION IS LABELLED " WINDOW AND FLOOR SPRINKLERS "

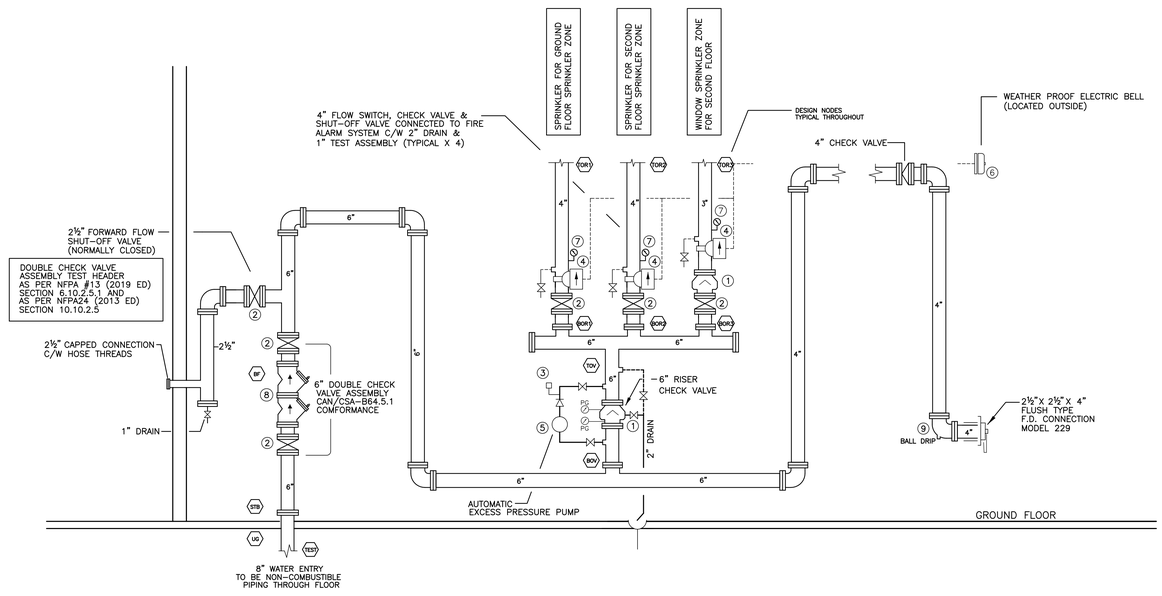
IF A FIRE PUMP IS EMPLOYED, THE PUMP AND ASSOCIATED CONTROL VALVES ARE TO BE ELECTRICALLY SUPERVISED.

EMERGENCY POWER SUPPLY IS REQUIRED TO BE PROVIDED TO THE FIRE PUMP SERVING THE WINDOW SPRINKLER SYSTEM TO MAINTAIN, AUTOMATICALLY. OPERATION OF THE FIRE PUMP FOR AT LEAST 2 HOURS. THE EMERGENCY GENERATOR IS REQUIRED TO BE SUPERVISED.



CROSS SECTION
WINDOW SPRINKLER

1. RISER CHECK VALVE
2. SHUT-OFF VALVE. CONNECTED TO FIRE ALARM SYSTEM
3. LOW PRESSURE MONITOR SWITCH CONNECTED TO
4. FLOW SWITCH CONNECTED TO FIRE ALARM SYSTEM
5. EXCESS PRESSURE PUMP AUTOMATIC TYPE.
6. ELECTRIC BELL
7. WATER GAUGE
8. 6" DOUBLE CHECK VALVE ASSEMBLY
9. BALL DRIP



SPRINKLER HEADER SCHEMATIC
N.T.S.

OWNER (OR OTHERS) TO PROVIDE ADEQUATE HEAT IN ALL AREAS OF BUILDING SUBJECT TO FREEZING THAT ARE PROTECTED BY A WET TYPE SPRINKLER SYSTEM.

ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE.

DESIGN CRITERIA

REFER TO SP3

REVISIONS	
ISSUED FOR PERMIT	10/9/25
ISSUED FOR TENDER	06/17/26

NOTES

- THE DRAWING ASSOCIATED CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK IF REQUEST.
- DIMENSIONS TAKE PRECEDENCE OVER SCALE.
- THE SPRINKLER SYSTEM IS TO BE INSTALLED AS PER N.F.P.A. STANDARD #13 (2019 ED) AND O.B.C. STANDARDS. (IF APPLICABLE)
- CONTRACTOR TO INCLUDE FOR OFFSETS IN BRANCH LINES AND MAINS TO SUIT SITE CONDITIONS.
- ALL MATERIALS TO BE U.L.C. LISTED AND APPROVED BY LOCAL AUTHORITIES.
- ALL SPRINKLERS WATERMARK TO BE INSTALLED ACCORDING TO LOCAL AUTHORITIES AND INSURANCE CO. STANDARDS.
- INSTALL HIGH TEMPERATURE HEADS WHERE REQUIRED AS PER N.F.P.A. STANDARDS.
- ALL P.I.D. STANDARD BRANCH LINE MEASUREMENTS ARE GIVEN AS CENTER LINE TO CENTER LINE DIMENSIONS.
- ALL OTHER BRANCH LINE MEASUREMENTS ARE GIVEN AS CENTER LINE TO CENTER LINE DIGN AS PER C.F.S. STANDARDS UNLESS NOTED AS FACE TO CENTER LINE DIMENSIONS. (THIN WALL PIPE)
- ⊙ DENOTES DISTANCE AS INCHES FROM CENTER LINE OF PIPE TO UNDERSIDE OF CEILING.
- RN DENOTES RISER NIPPLE.
- ⊙ DENOTES DOWN.
- ALL SUPERVISED VALVES(FLOW, PRESSURE) SWITCHES AND LOW AIR/WATER PRESSURE SWITCHES TO BE CONNECTED TO FIRE ALARM SYSTEM (IF N.A.P. IS INSTALLED)
- CONTRACTOR TO VISIT SITE TO DETERMINE EXACT LOCATION AND ELEVATION OF MAINS TO SUIT SITE CONDITIONS. ANY DISCREPANCIES AND MAJOR DISCONNECTS TO BE REPORTED TO THE DESIGNER PRIOR TO FABRICATION AND INSTALLATION.

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2026 JUN 17
K.M.NITSCH
PROVINCE OF ONTARIO

PROJECT

MAYFIELD WEST #2
PUBLIC SCHOOL
29 TWEEDHILL AVENUE
CALEDON, ONTARIO

DWG TITLE

SPECIFICATIONS AND DETAILS

DATE: JUNE, 2026	PROJECT NO.: 25-15162
SCALE: SCALE 1:100	
DWN BY: FC	DWG NO.: SPK-1
ISSUED FOR REVISION NO.	OF 3

NOTE:
PROVIDE FIRE CAULKING
FOR ALL PENETRATIONS
THRU FIRE SEPARATIONS

SPRINKLER ALARM VALVE ASSEMBELY REFER TO SP1

3" UP TO GYMNASIUM

3" ON TO SIDEWALL SPRINKLER HEADS IN CHAIR STORAGE BELOW STAGE

VERTICAL SIDEWALL SPRINKLER HEADS COMPLETE WITH WIRE GUARDS IN CHAIR STORAGE BELOW STAGE (TYPICAL) SEE SP1

NOTE:
SPRINKLER HEAD LAYOUT FOR GYMNSIUM & STAGE REFER TO SP3

3" UP TO WINDOW SPRINKLERS

3" UP TO PART GROUND FLOOR

1½" UP TO SECOND FLOOR

3" UP TO LIBRARY

NOTE:
SPRINKLER HEAD LAYOUT FOR LEANING COMMONS REFER TO SP3

SPRINKLER BRANCH LINE DN. TO SIDEWALL SPRINKLER HEAD c/w GUARD IN PIT
RUN SPRINKLER BRANCH LINE DN IN WALL AND RUN BELOW STAIRWELL

25ø VALVED INSPECTION TEST CONNECTION DOWN TO DISCHARGE OVER MOP SINK. MOUNT SHUT-OFF VALVE (3'-0") A.F.F.

1½" UP TO SECOND FLOOR

4" CHECK VALVE

SPRINKLER LINE DOWN, TO AUTOMATIC BALL DRIP AT BASE OF ELBOW PIPED TO THE OUTSIDE. (PROVIDE ACCESS DOOR FOR AUTO BALL DRIP)

REFER TO DRAWING SP1 FOR SPRINKLER LAYOUT.

FIRE DEPARTMENT CONNECTION TO BE WITHIN 45 M OF FIRE HYDRANT

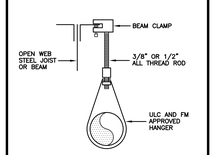
GROUND FLOOR SPRINKLER LAYOUT
SCALE 1:100

NOTE:
1. CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING

NEW SPRINKLER LINE
NEW SPRINKLER MAIN

N.C. DENOTES NEW CONNECTION
S.R. DENOTES STANDARD RESPOSE
Q.R. DENOTES QUICK RESPONSE
N.I.C DENOTES NOT IN CONTRACT
H.T. DENOTES HIGH TEMPERATURE

XXX XX HYDRAULIC IDS POINT



AS PER N.F.P.A.13

HANGER DETAIL
N.T.S.

NOTE A:
IF NEW INTERIOR WALLS ARE NOT FULL HEIGHT THEN SPRINKLER HEADS MUST BE PROVIDED ABOVE NEW CEILINGS IN THESE AREAS (TYPICAL THROUGHOUT)

NOTE B:
SPRINKLER CONTRACTOR TO PROVIDE SPRINKLER HEADS BELOW ALL FIXED OBSTRUCTIONS, (DUCTWORK), GREATER THAN 48 INCHES IN WIDTH AS PER NFPA 13, 2019 EDITION SECTION 9.5.5.3.1 (TYPICAL THROUGHOUT)

CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRAY PATTERN OF SPRINKLERS.

CONTRACTOR TO CO-ORDINATE LOCATION AND ELEVATION OF PIPING AND SPRINKLERS WITH ARCHITECT AND OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION

CONTRACTOR TO CO-ORDINATE COLOUR AND TYPE OF SPRINKLER HEADS WITH ARCHITECT.

REVISIONS

	ISSUED FOR PERMIT	10/9/25
	ISSUED FOR TENDER	06/17/26

NOTES

OWNER (OR OTHERS) TO PROVIDE ADEQUATE HEAT IN ALL AREAS OF BUILDING SUBJECT TO FREEZING THAT ARE PROTECTED BY A WET TYPE SPRINKLER SYSTEM.

ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE.

DESIGN CRITERIA

REFER TO SP3

○	1/2" 155°F Q.R. STANDARD COVERAGE UPRIGHT (K=5.6)
●	1/2" 155°F Q.R. STANDARD COVERAGE SEMI-RECESSED PENDENT (K=5.6)
◑	1/2" 155°F Q.R. STANDARD COVERAGE CONCEALED DRY PENDENT (K=5.6)
⊙	1/2" 155°F Q.R. STANDARD COVERAGE CONCEALED PENDENT (K=5.6)
H.T. ○	1/2" 286°F Q.R. STANDARD COVERAGE UPRIGHT (K=5.6)
◁	1/2" 155°F Q.R. STANDARD COVERAGE SIDEWALL (K=5.6)
D.P. ◁	1/2" 155°F Q.R. STANDARD COVERAGE HORIZONTAL SIDEWALL (K=5.6)
◧	WINDOW SPRINKLERS (K=5.6)
◌	SPRINKLER HEAD GUARD

HOSSACK ARCHITECTURE

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STAMP

REGISTERED PROFESSIONAL ENGINEER
2026 JUN 17
K.M.NITSCH
PROVINCE OF ONTARIO

PROJECT

MAYFIELD WEST #2
PUBLIC SCHOOL
29 TWEEDHILL AVENUE
CALEDON, ONTARIO

DWG TITLE

SPRINKLER LAYOUT & DETAILS

DATE: FEBRUARY, 2026	PROJECT NO.: 25-15162
SCALE: SCALE 1:100	
DWN BY: FC	DWG NO.: SPK-2
ISSUED FOR REVISION NO.	OF 3

NOTE B:
SPRINKLER CONTRACTOR TO PROVIDE SPRINKLER HEADS BELOW ALL FIXED OBSTRUCTIONS, (DUCTWORK), GREATER THAN 48 INCHES IN WIDTH AS PER NFPA 13, 2019 EDITION SECTION 9.5.5.3.1 (TYPICAL THROUGHOUT)

NOTE:
SPRINKLER CONTRACTOR TO PROVIDE FIRE CAULKING FOR ALL PENETRATIONS THRU FIRE SEPARATIONS

4" DN TO SPRINKLER ROOM

3" SPRINKLER MAIN DN. C/W DRAIN

DESIGN AREA #2
18 A.S.

3" DN TO GROUND FL. C/W DRAIN

3" DN TO C/W DRAIN

3" DN TO GRND FL. (PART GROUND FLOOR ZONE) C/W DRAIN

NOTE:
RUN SPRINKLER PIPING AS HIGH AS POSSIBLE IN JOIST SPACE ABOVE DUCTWORK CO-ORDINATE WITH LIGHTS & DUCTWORK AND ADJUST AS REQUIRED. CO-ORDINATE INSTALLATION WITH CONSULTANT ON SITE.

DESIGN AREA #1
12 A.S.

DESIGN NODES TYPICAL THROUGHOUT

DESIGN AREA #3
18 A.S.+7 W.S.

DESIGN AREA #4
8 A.S.

CONTRACTOR TO PROVIDE BRANCH LINE EXTENSIONS IF REQUIRED (TYPICAL)

254 VALVED INSPECTION TEST CONNECTION DOWN TO DISCHARGE OVER MOP SINK. (SECOND FLOOR ZONE). MOUNT SHUT-OFF VALVE 7'-0" A.F.F.

BRASS UPRIGHT SPRINKLER HEAD c/w WIRE GUARD AT TOP OF ELEVATOR SHAFT

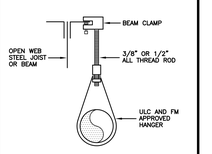
1½" DN TO GRND FLR. C/W DRAIN

NOTE:
1. CONTRACTOR TO COORDINATE WITH HVAC AND LIGHTING

NEW SPRINKLER LINE
NEW SPRINKLER MAIN

N.C. DENOTES NEW CONNECTION
S.R. DENOTES STANDARD RESPOSE
Q.R. DENOTES QUICK RESPONSE
N.I.C DENOTES NOT IN CONTRACT
H.T. DENOTES HIGH TEMPERATURE

(XXX) XX HYDRAULIC IDS POINT



AS PER N.F.P.A.13

HANGER DETAIL
N.T.S.

NOTE A:
IF NEW INTERIOR WALLS ARE NOT FULL HEIGHT THEN SPRINKLER HEADS MUST BE PROVIDED ABOVE NEW CEILINGS IN THESE AREAS (TYPICAL THROUGHOUT)

NOTE B:
SPRINKLER CONTRACTOR TO PROVIDE SPRINKLER HEADS BELOW ALL FIXED OBSTRUCTIONS, (DUCTWORK), GREATER THAN 48 INCHES IN WIDTH AS PER NFPA 13, 2019 EDITION SECTION 9.5.5.3.1 (TYPICAL THROUGHOUT)

CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRAY PATTERN OF SPRINKLERS.

CONTRACTOR TO CO-ORDINATE LOCATION AND ELEVATION OF PIPING AND SPRINKLERS WITH ARCHITECT AND OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION.

CONTRACTOR TO CO-ORDINATE COLOUR AND TYPE OF SPRINKLER HEADS WITH ARCHITECT.

REVISIONS

ISSUED FOR PERMIT	10/9/25
ISSUED FOR TENDER	06/17/26

NOTES

— THIS DRAWING ASSOCIATED CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF THE DESIGNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK OR UPON REQUEST.
— SPRINKLER SYSTEM DESIGN TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 AND INSTALLED AS PER N.F.P.A. STANDARDS & 13 AND O.B.C. STANDARDS.
— ALL PIPE TO BE U.L.C. LISTED AND APPROVED BY LOCAL AUTHORITIES.
— CONTRACTOR TO INCLUDE FOR OFFSETS IN BRANCH LINES AND MAINS WHERE REQUIRED.
— ALL PIPE AND FITTINGS TO BE U.L.C. LISTED AND APPROVED BY LOCAL AUTHORITIES.
— UNDERGROUND WATERMAIN TO BE INSTALLED ACCORDING TO MUNICIPAL REQUIREMENTS AND INDUSTRIAL CO. STANDARDS. (IF APPLICABLE)
— INSTALL HIGH TEMPERATURE HEADS WHERE REQUIRED AS PER N.F.P.A. STANDARDS & 13.
— ALL INTERIOR GRID BRANCH LINE MEASUREMENTS ARE GIVEN CENTER LINE TO CENTER LINE DIMENSIONS. (NON WALL PIPE)

DENOTES DISTANCE IN INCHES FROM CENTER LINE OF PIPE TO UNDERSIDE OF CEILING.

— RN DENOTES RISER NIPPLE.
— SP DENOTES SPRIG.
— ALL SUPERVISED VALVE(FLOW (PRESSURE) SWITCHES AND LOW PRESSURE MONITORING SWITCHES TO BE CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
— CONTRACTOR TO VISIT SITE TO DETERMINE EXACT LOCATION AND ELEVATION OF MAINS (TO BE INSTALLED AS INDICATED ON DRAWINGS) AND SPRINKLER HEADS PRIOR TO FABRICATION OF THE DESIGNED PRIOR TO FABRICATION AND INSTALLATION.

OWNER (OR OTHERS) TO PROVIDE ADEQUATE HEAT IN ALL AREAS OF BUILDING SUBJECT TO FREEZING THAT ARE PROTECTED BY A WET TYPE SPRINKLER SYSTEM.

ALL GLASS BULB TYPE SPRINKLERS TO BE OF RECENT ISSUE.

DESIGN CRITERIA

#1. GYMNASIUM:
SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZARD GROUP 1
0.15 GPM PER SQ.FT.OVER 1500 SQ.FT.
PLUS 250 GPM FOR HOSES.
AS PER NFPA 13.

#2. MECHANICAL ROOM:
SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZARD GROUP 2.
0.15 GPM PER SQ.FT.OVER 1500 SQ.FT.
PLUS 250 GPM FOR HOSES.
AS PER NFPA 13.

#3. LIBRARY PLUS WINDOW SPRINKLER DESIGN:
SPRINKLER SYSTEM DESIGNED FOR ORDINARY HAZARD GROUP 1 + 7 W.S.
0.15 GPM PER SQ.FT.OVER 1500 SQ.FT.
PLUS 30% FOR SLOPED CEILING = 1950 SQ.FT.
PLUS 250 GPM FOR HOSES.
AS PER NFPA 13.

#4. CLASSROOM:
SPRINKLER SYSTEM DESIGNED FOR LIGHT OCCUPANCY, 0.10 GPM PER SQ.FT. OVER 1500 SQ.FT. (MINUS 40% FOR QUICK RESPONSE HEADS = 900 SQ.FT.) PLUS 100 GPM FOR HOSES AS PER NFPA 13 (2019 ED.). FIGURE 19.3.3.2.3.1

○	1/2" 155°F Q.R. STANDARD COVERAGE UPRIGHT (K=5.6) 5/8	
●	1/2" 155°F Q.R. STANDARD COVERAGE SEMI-RECESSED PENDENT (K=5.6)	
◑	1/2" 155°F Q.R. STANDARD COVERAGE CONCEALED DRY PENDENT (K=5.6)	
⊙	1/2" 155°F Q.R. STANDARD COVERAGE CONCEALED PENDENT (K=5.6)	
H.T. ○	1/2" 286°F Q.R STANDARD COVERAGE UPRIGHT SPRINKLER (K=5.6)	
◁	1/2" 155°F Q.R. STANDARD COVERAGE HORIZONTAL SIDEWALL (K=5.6)	
D.P. ◁	1/2" 155°F Q.R. STANDARD COVERAGE DRY HORIZONTAL SIDEWALL (K=5.6)	
◀	WINDOW SPRINKLERS (K=5.6)	
◯	SPRINKLER HEAD GUARD	

HOSSACK ARCHITECTURE

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NORTH

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REGISTERED PROFESSIONAL ENGINEER
2026 JAN 13
K.M.NITSCH
PROVINCE OF ONTARIO

PROJECT

MAYFIELD WEST #2
PUBLIC SCHOOL
29 TWEEDHILL AVENUE
CALEDON, ONTARIO

DWG TITLE

SPRINKLER LAYOUT & DETAILS

DATE: FEBRUARY, 2026	PROJECT NO.: 25-15162
SCALE: SCALE 1:100	
DWN BY: FC	DWG NO.: SPK-3
ISSUED FOR REVISION NO.	OF 3

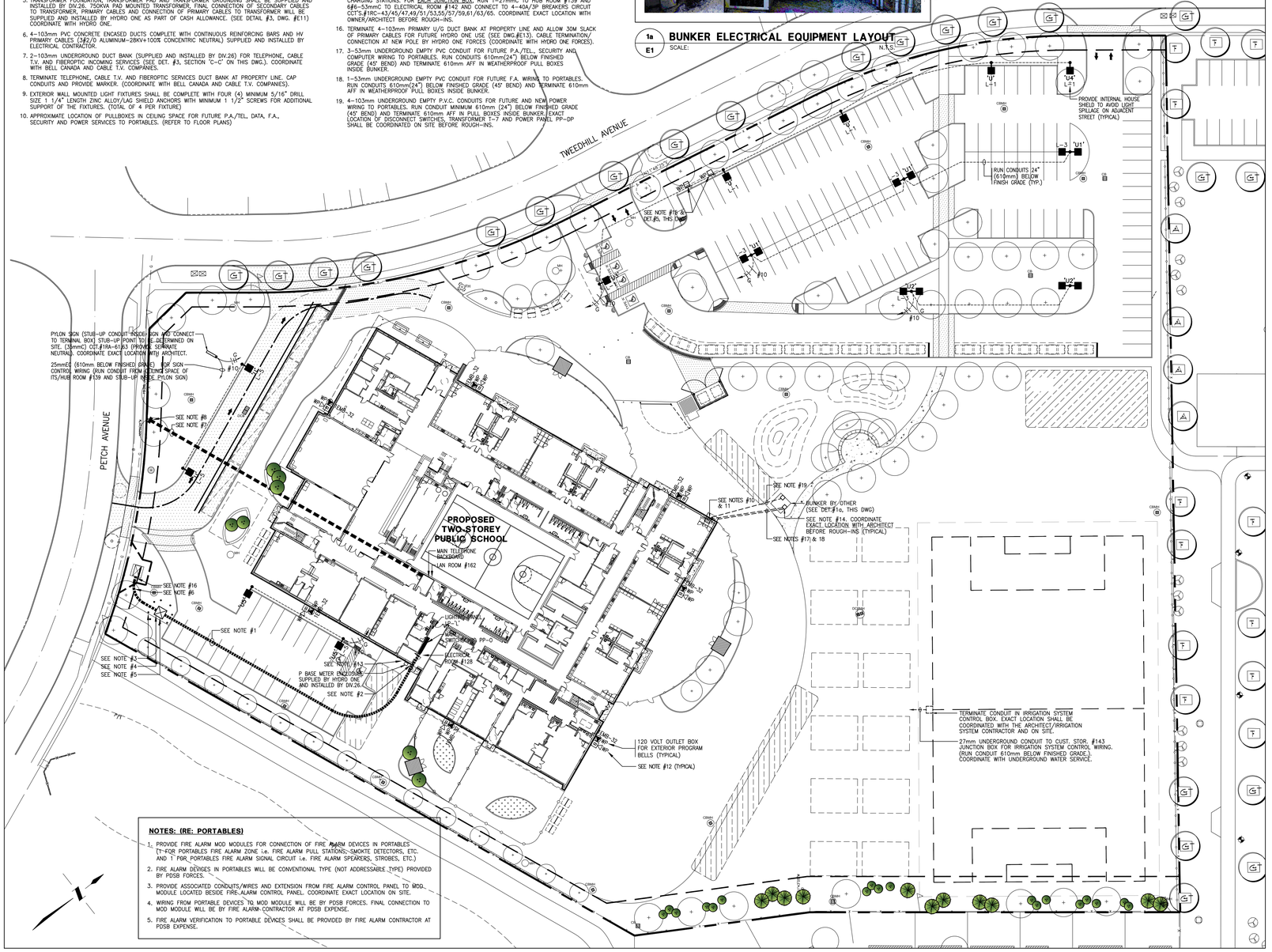
NOTES:

1. 4 RUNS OF 4#250MCM SECONDARY CABLES IN 4–103mm UNDERGROUND SECONDARY DUCT BANK SUPPLIED AND INSTALLED BY DIV.26. (SEE DETAIL #3 SECTION "B–B" ON THIS DWG.) ALSO, DIV.26 SHALL LEAVE 6m OF SLACK OF SECONDARY CABLES AT TRANSFORMER AND SUPPLY SECONDARY CABLES COMPRESSION CONNECTORS FOR HYDRO ONE USE. COORDINATE WITH HYDRO ONE.
2. PROVIDE DRAINAGE AND SOAK AWAY PIT FOR DUCT BANK DRAINAGE. CONNECTION OF DUCT BANK SOAK AWAY PIT TO THE BUILDING WEEPING TILE SYSTEM (FOR DUCT BANK DRAINAGE) SHALL BE BY SITE SERVICES CONTRACTOR. COORDINATE WITH THE ARCHITECT AND SITE SERVICE CONSULTANT/ CONTRACTOR.
3. BOLLARDS SHALL BE BONDED TO SUIT HYDRO CODE. BONDING CONDUCTORS SHALL BE #2/0 COPPER (TYPICAL).
4. SITE SERVICING CONTRACTOR SHALL PROVIDE WEEPING TILE AROUND THE TRANSFORMER PAD FOUNDATION AND CONNECT TO NEAREST CATCH BASIN. COORDINATE WITH THE ARCHITECT AND SITE SERVICE CONSULTANT/CONTRACTOR.
5. TRANSFORMER FOUNDATION, TRANSFORMER PAD AND TRANSFORMER GROUNDING SHALL BE SUPPLIED AND INSTALLED BY DIV.26. 750kVA PAD MOUNTED TRANSFORMER, FINAL CONNECTION OF SECONDARY CABLES TO TRANSFORMER, PRIMARY CABLES AND CONNECTION OF PRIMARY CABLES TO TRANSFORMER WILL BE SUPPLIED AND INSTALLED BY HYDRO ONE AS PART OF CASH ALLOWANCE. (SEE DETAIL #3, DWG. #E11) COORDINATE WITH HYDRO ONE.
6. 4–103mm PVC CONCRETE ENCASED DUCTS COMPLETE WITH CONTINUOUS REINFORCING BARS AND HV PRIMARY CABLES (3#2/0 ALUMINUM–25KV+100% CONCENTRIC NEUTRAL) SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
7. 2–103mm UNDERGROUND DUCT BANK (SUPPLIED AND INSTALLED BY DIV.26) FOR TELEPHONE, CABLE T.V. AND FIBEROPTIC INCOMING SERVICES (SEE DET. #3, SECTION "C–C" ON THIS DWG.). COORDINATE WITH BELL CANADA AND CABLE T.V. COMPANIES.
8. TERMINATE TELEPHONE, CABLE T.V. AND FIBEROPTIC SERVICES DUCT BANK AT PROPERTY LINE. CAP CONDUITS AND PROVIDE MARKER. (COORDINATE WITH BELL CANADA AND CABLE T.V. COMPANIES).
9. EXTERIOR WALL MOUNTED LIGHT FIXTURES SHALL BE COMPLETE WITH FOUR (4) MINIMUM 5/16" DRILL SIZE 1 1/4" LENGTH ZINC ALLOY/LAG SHIELD ANCHORS WITH MINIMUM 1 1/2" SCREWS FOR ADDITIONAL SUPPORT OF THE FIXTURES. (TOTAL OF 4 PER FIXTURE)
10. APPROXIMATE LOCATION OF PULLBOXES IN CEILING SPACE FOR FUTURE P.A./TEL, DATA, F.A., SECURITY AND POWER SERVICES TO PORTABLES. (REFER TO FLOOR PLANS)
11. CHANGE PVC CONDUITS TO E.M.T. CONDUITS (45° BEND) AND TERMINATE IN ASSOCIATED PULL BOXES.
12. EXTERIOR RECESS MOUNTED WEATHER PROOF P.A. EXTERNAL PROGRAMM BELLS COMPLETE WITH 21mmC TERMINATED IN CEILING SPACE (CAT.#EDWARDS #340–10NS COMPLETE WITH YARD HOOD CAT.#EDWARDS #1995). BELL MUST BE MOUNTED NO HIGHER THAN 10FT. OFF THE GROUND. EXACT LOCATION TO BE DETERMINED BY ARCHITECT. (TYPICAL)
13. APPROXIMATE LOCATION OF UNDERGROUND 150mm⌀ DOMESTIC AND 200mm⌀ FIRELINE. COORDINATE EXACT LOCATION WITH ARCHITECT, SITE SERVICES CONSULTANT AND SERVICE CONTRACTOR ON SITE.
14. PULL BOXES MOUNTED 610mm AFF FOR LOW VOLTAGE CABLES FOR FUTURE SERVICES TO PORTABLES (P.A./TEL., F.A., SECURITY, COMPUTER). PULL BOX SHALL ACCOMODATE NUMBER OF CONDUITS AS SHOWN ON DRAWING
15. 2–EXTERIOR WEATHERPROOF JUNCTION BOXES COMPLETE WITH COVER FOR FUTURE VEHICLE CHARGING STATIONS. FOR EACH JUNCTION BOX, RUN 1–27mmC TO HUB ROOM #139 AND 6#6–53mmC TO ELECTRICAL ROOM #142 AND CONNECT TO 4–40A/3P BREAKERS CIRCUIT CCT'S:#1RC–43/45/47/49/51/53,55/57/59,61/63/65. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT BEFORE ROUGH–INS.
16. TERMINATE 4–103mm PRIMARY U/G DUCT BANK AT PROPERTY LINE AND ALLOW 30M SLACK OF PRIMARY CABLES FOR FUTURE HYDRO ONE USE (SEE DWG.#E13). CABLE TERMINATION/ CONNECTION AT NEW POLE BY HYDRO ONE FORCES (COORDINATE WITH HYDRO ONE FORCES).
17. 3–53mm UNDERGROUND EMPTY PVC CONDUIT FOR FUTURE P.A./TEL., SECURITY AND COMPUTER WIRING TO PORTABLES. RUN CONDUITS 610mm(24") BELOW FINISHED GRADE (45° BEND) AND TERMINATE 610mm AFF IN WEATHERPROOF PULL BOXES INSIDE BUNKER.
18. 1–53mm UNDERGROUND EMPTY PVC CONDUIT FOR FUTURE F.A. WIRING TO PORTABLES. RUN CONDUITS 610mm(24") BELOW FINISHED GRADE (45° BEND) AND TERMINATE 610mm AFF IN WEATHERPROOF PULL BOXES INSIDE BUNKER.
19. 4–103mm UNDERGROUND EMPTY P.V.C. CONDUITS FOR FUTURE AND NEW POWER WIRING TO PORTABLES. RUN CONDUIT MINIMUM 610mm (24") BELOW FINISHED GRADE (45° BEND) AND TERMINATE 610mm AFF IN PULL BOXES INSIDE BUNKER. EXACT LOCATION OF DISCONNECT SWITCHES, TRANSFORMER T–7 AND POWER PANEL PP–DP SHALL BE COORDINATED ON SITE BEFORE ROUGH–INS.



1a / E1 BUNKER ELECTRICAL EQUIPMENT LAYOUT

SCALE:

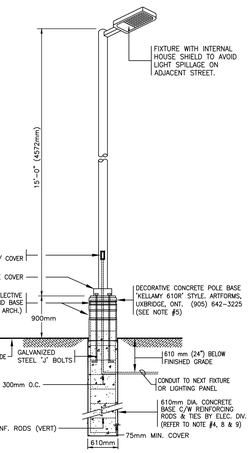


NOTES: (RE: PORTABLES)

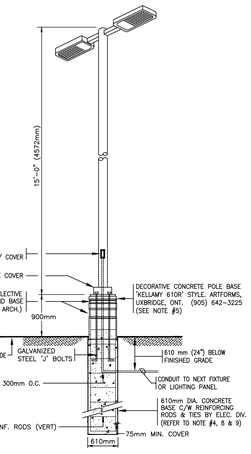
1. PROVIDE FIRE ALARM MOD MODULES FOR CONNECTION OF FIRE ALARM DEVICES IN PORTABLES (1–FOR PORTABLES FIRE ALARM ZONE i.e. FIRE ALARM PULL STATIONS, SMOKTE DETECTORS, ETC. AND 1 FOR PORTABLES FIRE ALARM SIGNAL CIRCUIT i.e. FIRE ALARM SPEAKERS, STROBES, ETC.)
2. FIRE ALARM DEVICES IN PORTABLES WILL BE CONVENTIONAL TYPE (NOT ADDRESSABLE TYPE) PROVIDED BY PDSB FORCES.
3. PROVIDE ASSOCIATED CONDUITS/WIRES AND EXTENSION FROM FIRE ALARM CONTROL PANEL TO MOD. MODULE LOCATED BESIDE FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION ON SITE.
4. WIRING FROM PORTABLE DEVICES TO MOD MODULE WILL BE BY PDSB FORCES. FINAL CONNECTION TO MOD MODULE WILL BE BY FIRE ALARM CONTRACTOR AT PDSB EXPENSE.
5. FIRE ALARM VERIFICATION TO PORTABLE DEVICES SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR AT PDSB EXPENSE.

1 / E1 SITE PLAN

SCALE: 1:400



TYPE 'U','U3','U4','U5'



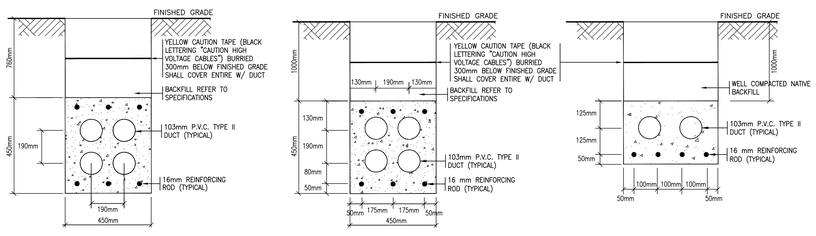
TYPE 'U1','U2'

NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES
2. ALL CONCRETE IN BASE SHALL BE VIBRATED.
3. TOP OF FOUNDATION SHALL BE TRULY LEVEL.
4. CLASS OF CONCRETE SHALL BE 32 mPa CLASS "C2". COORDINATE WITH STRUCTURAL ENGINEER.
5. MINIMUM OF 2 SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION UNLESS OTHERWISE SHOWN.
6. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
7. SUBJECT TO SOIL CONDITIONS.
8. CONCRETE BASES C/W RODS & TIES FOR LIGHTING STANDARDS SHALL BE PROVIDED BY DIV.26. QUANTITY AND TYPE OF REINFORCING RODS AND TIES SHALL BE BY STRUCTURAL ENGINEER.
9. DIVISION 26 SHALL INCLUDE IN CONTRACT COST FOR HIRING OF STRUCTURAL ENGINEER WHO SHALL DESIGN, REVIEW AND STAMP CONCRETE BASES FOR PARKING LOT LIGHTING STANDARDS PRIOR TO THEIR INSTALLATION. (WRITTEN CONFIRMATION AND POLE BASE DESIGN FROM STRUCTURAL ENGINEER IS REQUIRED)

2 / E1 TYPE 'U' SERIES PARKING LOT LIGHTING STANDARD

SCALE: N.T.S.

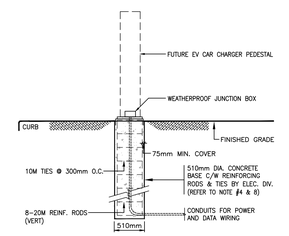


NOTES:

1. DUCTBANKS SHALL HAVE A MINIMUM COVER OF 760mm FOR SECONDARY DUCTS AND 1000mm FOR PRIMARY DUCTS THROUGHOUT EXCEPT FOR ROAD CROSSING OF PRIMARY DUCTS WHICH SHALL HAVE MINIMUM COVER OF 1200mm.
2. THE DUCT LENGTHS SHALL BE JOINED TOGETHER WITH AN APPROVED COUPLING TO PROVIDE A SOUND AND WATERTIGHT JOINT. THE JOINTS IN ADJACENT DUCTS SHALL BE STAGGERED BY AT LEAST 200mm.
3. THE DUCTS SHALL BE LAID WITH A SPACING OF 190mm CENTRE TO CENTRE, BOTH HORIZONTALLY AND VERTICALLY. SPACERS SHALL BE PLASTIC OR MASONRY. WOODEN SPACERS SHALL NOT BE USED. TWO SPACERS PER 3 METRES OF CONDUIT SHALL BE USED.
4. THE DUCTS SHALL HAVE AN EVEN SLOPE IN ONE DIRECTION OF NOT LESS THAN 76mm IN 30 METRES TO PROVIDE DRAINAGE. ALSO, A SOAK–AWAY PIT IS TO BE INCORPORATED AT THE END OF THE SLOPE OF THE DUCTS.
5. THE DUCTS SHALL BE APPROVED C.S.A., 100 mm, TYPE 2 RIGID P.V.C. THESE DUCTS SHALL BE STEEL REINFORCED AND ENCASED WITH 2500 POUND GRADE CONCRETE WITH A MINIMUM COVER OF 75mm ON ALL SIDES. THE CONCRETE SHALL BE WORKED BELOW AND BETWEEN DUCTS TO PROVIDE A HOMOGENOUS MASS.
6. REINFORCING STEEL BARS (16mm) IN DIAMETER SHALL BE LAID LONGITUDINALLY ALONG THE TRENCH WITH 100mm LATERAL SPACING AND 50mm ABOVE THE BASE OF THE CONCRETE. AN OVERLAP OF 600mm ON THE REINFORCING BARS SHALL BE PROVIDED WHERE NECESSARY.
7. ELECTRICAL CONTRACTOR SHALL CONTACT HYDRO ONE TWO (2) WORKING DAYS IN ADVANCE PRIOR TO DIGGING THE TRENCH. THE CONTRACTOR WILL THEN SCHEDULE CONSTRUCTION AND POURING INSPECTIONS WITH HYDRO ONE.
8. WHEN COMPLETE, THE DUCTS SHALL BE CLEAN, WATERPROOF AND FREE FROM OBSTRUCTIONS; BELL ENDS TO BE INSTALLED ON THE ENDS OF ALL DUCTS AND PLUGGED WITH PLASTIC DUCT PLUGS TO PREVENT THE INGRESS OF MOISTURE AND DIRT. THE DUCTS SHALL BE TESTED FOR CLEARANCE IN THE PRESENCE OF A HYDRO ONE INSPECTOR WITH A MANDREL WHICH IS 6.3 mm LESS THAN THE NOMINAL DIAMETER OF THE DUCTS. A 10 mm POLYPROPYLENE PULL ROPE MUST BE INSTALLED IN EACH DUCT.
9. WHERE IT IS REQUIRED, THAT THE CUSTOMER'S DUCTS SHALL JOIN DIRECTLY WITH THE COMMISSION'S DUCTS, THE CUSTOMER'S DUCTS SHALL BE LEFT PROJECTING (MINIMUM 0.3 m) FROM THEIR CONCRETE ENVELOPE IN A STAGGERED PATTERN. THEY SHALL BE EQUIPPED WITH SUITABLE COUPLINGS AND PLUGGED UNTIL THE JOINTS ARE MADE. THE FACE OF THE CONCRETE ENVELOPE SHALL BE LEFT ROUGH TO KEY WITH THE EXTENSION ENVELOPE AND 16 mm DIAMETER STEEL REINFORCING BARS 1.8 m IN LENGTH SHALL BE ENCASED LONGITUDINALLY IN THE ENVELOPE 50mm INSIDE THE PERIMETER OF THE BANK AT 100mm CENTRES ALONG SIDES AND BOTTOM OF THE BANK. THE RODS SHALL PROJECT 1 METRE FROM THE CONCRETE TO ANCHOR FIRMLY INTO THE CONCRETE OF THE EXTENSION WHEN LATTER IS POURED.
10. COORDINATE ALL DETAILS WITH HYDRO ONE.

3 / E1 CONCRETE ENCASED DUCT BANK

SCALE: N.T.S.



NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES
2. ALL CONCRETE IN BASE SHALL BE VIBRATED.
3. TOP OF FOUNDATION SHALL BE TRULY LEVEL.
4. CLASS OF CONCRETE TO BE SPECIFIED BY STRUCTURAL ENGINEER
5. EV CAR CHARGER CONCRETE BASES SUPPLIED & INSTALLED BY ELECT. DIV.
6. MINIMUM OF 2 SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION UNLESS OTHERWISE SHOWN.
7. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
8. SUBJECT TO SOIL CONDITIONS.
9. ELECTRICAL CONTRACTOR SHALL INCLUDE IN CONTRACT COST FOR HIRING OF STRUCTURAL ENGINEER WHO SHALL REVIEW AND APPROVE SIZE OF CONCRETE BASE FOR FUTURE EV CAR CHARGER PEDESTAL PRIOR TO THEIR INSTALLATION. (WRITTEN CONFIRMATION AND POLE BASE DESIGN FROM STRUCTURAL ENGINEER IS REQUIRED)

5 / E1 EV CAR CHARGER CONCRETE BASE

SCALE: N.T.S.

TRUE NORTH

PROJECT NORTH

NO.	DESCRIPTION	DATE
6	ISSUED FOR TENDER	06/17/26
5	ISSUED FOR PERMIT	10/14/25
4	ISSUED FOR SPA RESUBMISSION	08/25/25
3	ISSUED FOR 80% REVIEW	06/27/25
2	ISSUED FOR 50% REVIEW	05/16/25
1	ISSUED FOR SITE PLAN APPROVAL	03/14/25

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
I. MOZAFFAR
100035724
June 17, 2026
Project# 24036
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON. L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL SITE PLAN AND DETAILS

PDSB TENDER # XXXXXXX-XXXX

rybka Eldard Wilson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE	PROJECT
AS SHOWN	24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E1
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

LEGEND OF SYMBOLS

	RECESSED OR SURFACE MOUNTED FLUORESCENT FIXTURE
	SAME AS ABOVE EXCEPT ON EMERGENCY LIGHT CIRCUIT
	LED STRIP LIGHT SURFACED MOUNTED.
	SAME AS ABOVE EXCEPT ON EMERGENCY LIGHT CIRCUIT
	LED WALL OR CEILING MOUNTED
	SAME AS ABOVE EXCEPT ON EMERGENCY LIGHT CIRCUIT
	EMERGENCY BATTERY UNIT C/W ASSOCIATED RECEPTACLE & HEAD(S) AS SHOWN
	EXIT SIGN WALL OR CEILING MOUNTED WITH RUNNING MAN PICTOGRAM – ARROW DENOTES DIRECTION OF TRAVEL
WP 3	120 VOLT LIGHTING TOGGLE SWITCH – 3 DENOTES THREE WAY. WP DENOTES WEATHER PROOF. (SWITCHES SHALL BE GANGED TOGETHER)
P	120 VOLT MOTOR RATED SWITCH – P DENOTES C/W PILOT LIGHT
4 3 K	20A, 120 VOLT LIGHTING TOGGLE SWITCH – 3 DENOTES THREE WAY, 4 DENOTES FOUR WAY, K DENOTES KEY SWITCH (SWITCHES SHALL BE GANGED TOGETHER)
	20A, 120 VOLT LIGHTING TOGGLE SWITCH MOUNTED ON CONTROL PANEL
D	120V DIMMER (SIZED TO SUIT LIGHTING LOAD)
MW U IL W H	15A, 120V DUPLEX RECEPTACLE. (W–WASHER, MW–FOR SHELF MOUNTED MICROWAVE, H–FOR TAMPER–RESISTANT, U–USB HUBBELL #USB15ACSWR)
GFI	15A, 120V GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE (HUBBEL #GF5262)
C	15A, 120V DUPLEX RECEPTACLE MOUNTED IN CEILING SPACE FOR PROJECTOR.
IG	15A, 120V ISOLATED GROUND DUPLEX RECEPTACLE C/W SEPARATE NEUTRAL AND SEPERATE GROUND WIRE
IG	SAME AS ABOVE BUT MOUNTED ABOVE COUNTER (150mm ABOVE BACK SPLASH).
20A	20A, 120V RECEPTACLE
H	15A, 120V QUAD RECEPTACLE (H – FOR TAMPER–RESISTANT)
IG	15A, 120V ISOLATED GROUND QUAD RECEPTACLE C/W SEPARATE NEUTRAL AND SEPERATE GROUND WIRE
GFI	15A, 120V GROUND FAULT INTERRUPTER QUAD RECEPTACLE
WP	15A, 120V WEATHERPROOF GFI TYPE DUPLEX RECEPTACLE COMPLETE WITH "IN USE" COVER (LOCK TYPE) SIMILAR TO HUBBELL CAT# WX3200
H GFI	15A, 120V GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE (HUBBEL #GF5262) 150mm ABOVE BACK SPLASH. MOUNTED ABOVE COUNTER (150mm ABOVE BACK SPLASH), H–FOR TAMPER–RESISTANT.
C H	15A, 120V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER (H–FOR TAMPER–RESISTANT, C–CEILING SPACE)
H	15A, 120V SPLIT WIRED DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER (2 CIRCUITS C/W 3#12 FEEDER). H–FOR TAMPER–RESISTANT.
	15A, 120V DUPLEX RECEPTACLE C/W USB CHARGER (HUBBELL #USB15X2).
H	15/20A, 120V, 1ø COMBINATION DUPLEX RECEPTACLE ("NEMA" 5–20R 125V, 2POLE, 3 WIRE, GROUNDED), H–FOR TAMPER–RESISTANT.
GFI	15/20A, 120V, 1ø GROUND FAULT INTERRUPTER COMBINATION DUPLEX RECEPTACLE ("NEMA" 5–20R 125V, 2POLE, 3 WIRE, GROUNDED)
H	15A, 120V DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR THROUGH RECEPTACLE RATED SWITCHPACK/ROOM CONTROLLER. REFER TO DETAIL #1/DWG.E17. HUBBELL CAT.#BR15C2GRY. H–FOR TAMPER–RESISTANT.
D	30A, 250V, 1PH SINGLE RECEPTACLE (FEEDER 3 # 8–21mmC) D–DENOTES FOR DRYER
	50A, 250V, 3W RANGE RECEPTACLE (FEEDER 3 # 6–27mmC)
	120V OUTLET FOR HOOD (CONNECT TO UNIT)
DW	OUTLET FOR DISHWASHER (CONNECT TO UNIT)
	JUNCTION BOX COMPLETE WITH 15A, 120V CIRCUIT MOUNTED IN CEILING SPACE
15A	15A, 120V TWIST LOCK RECEPTACLE (15A–DENOTES 15A TWISTLOCK)
20A	20A, 120V TWIST LOCK RECEPTACLE (20A–DENOTES 20A TWISTLOCK)
50A	50A, 120V TWIST LOCK RECEPTACLE (50A–DENOTES 50A TWISTLOCK)
WP EXP	SPECIAL OUTLET (SIZE AND EQUIPMENT AS NOTED, CONNNECT TO EQUIPMENT). WP DENOTES WEATHERPROOF. EXP DENOTES EXPLOSION PROOF (CONNECT TO UNIT)
VAV	15A, 120V OUTLET FOR VAV – VAV BOX CONTROLS (CONNECT TO EQUIPMENT)
B	15A, 120V OUTLET FOR B – BRADLY UNIT (CONNECT TO UNIT)
C MD	15A, 120V OUTLET FOR C – CONTROLS; MD – MOTORIZED DAMPER (CONNECT TO EQUIPMENT)
F	15A, 120V OUTLET FOR F – ELECTRONIC FAUCET (CONNECT TO UNIT)
WP PT EXP	OUTLET FOR PIPE TRACING. CONNECT TO TERMINAL BLOCK. (WP DENOTES WEATHERPROOF. EXP DENOTES EXPLOSION PROOF)
FSD	15A, 120V OUTLET FOR FSD – FIRE/SMOKE DAMPER (CONNECT TO EQUIPMENT)
S	15A, 120V POWER FOR WATER OR GAS SOLENOID VALVE (CONNECT TO UNIT) (NORMALLY CLOSED WHEN ENERGIZED WILL BE OPEN)
HD	HAND DRYER C/W 2#10 FEEDER (CONNECT TO UNIT)
	RETRACTABLE DROP CORD RECEPTACLE (C/W 2–120V DUPLEX RECEPTACLES). HUBBELL MODEL #HBL45123R20
S	WALL MOUNTED P.A./TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE ADMINISTRATION (MASTER) HANDSET. PROVIDE BLANK COVER PLATE.
P S FAX	WALL MOUNTED TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE BASIC MULTI–LINE HANDSET. (S–DENOTES HANDSET BY OTHERS; P–DENOTES PUBLIC PHONE BY OTHERS; FAX – DENOTES FAX MACHINE BY OTHERS). PROVIDE BLANK COVER PLATE.
E/S	WALL MOUNTED TELEPHONE OUTLET BOX C/W TWO 21mm EC (ONE TERMINATED AT CABLE TRAY AND ONE TERMINATED IN ELEVATOR SHAFT) FOR AUXILIARY TELEPHONE SET IN ELEVATOR CAB. (TELEPHONE SET BY OTHERS). PROVIDE BLANK COVER PLATE.
EM	WALL MOUNTED EMERGENCY TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE EMERGENCY HANDSET. PROVIDE BLANK COVER PLATE.
RINGER	OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR WHEELOCK WRATI LOUD RINGER BY OTHERS
S CP	TELEPHONE OUTLET BOX AND P.A. SPEAKER BACK BOX INSTALLED IN CLASSROOM CONTROL PANEL C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE. (P.A. SPEAKER, BASIC MULTI–LINE HANDSET, WIRINGS, ETC. BY OTHERS). PROVIDE BLANK COVER PLATE.
S M	WALL/CEILING MOUNTED SOUND SYSTEM OUTLET BOX, 21mmC, WIRING, SELECTOR SWITCH, SPEAKER, MICROPHONE, JACK, COVER PLATE. FOR MORE INFORMATION, REFER TO SPECIFICATION. (M – DENOTES FOR MICROPHONE, S – DENOTES FOR SPEAKER)
	FLUSH WALL MOUNTED OUTLET BOX FOR PLUG–IN OR REMOTE DIMMING CONSOLE (RUN 21mmEC TO ASSOCIATED JUNCTION BOX ABOVE OPTO SPLITTER)
TV	WALL MOUNTED T.V. OUTLET BOX COMPLETE WITH 21mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
	WALL MOUNTED COMPUTER OUTLET BOX FOR FUTURE SINGLE JACK COVER PLATE AND 21mmEC UP TO ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
(2)	WALL MOUNTED COMPUTER OUTLET BOX FOR FUTURE DOUBLE JACKS COVER PLATE AND 21mmEC UP TO ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
SC PC	TWO CELL RACEWAY (ONE CELL FOR POWER AND ONE CELL FOR DATA) C/W RECEPTACLES, DATA OUTLET BOX AND ASSOCIATED CONDUITS/WIRES TERMINATED IN ACCESSIBLE CEILING SPACE. (PROVIDE BLANK COVER PLATE FOR COMPUTER OUTLET BOX). FOR LOCATION AND QUANTITY REFER TO FLOOR PLANS.
(2) SC PC	TWO CELL RACEWAY (ONE CELL FOR POWER AND ONE CELL FOR DATA) C/W RECEPTACLES, DATA OUTLET BOX FOR FUTURE DOUBLE JACKS AND ASSOCIATED CONDUITS/WIRES TERMINATED IN ACCESSIBLE CEILING SPACE. (PROVIDE BLANK COVER PLATE FOR COMPUTER OUTLET BOX). FOR LOCATION AND QUANTITY REFER TO FLOOR PLANS.
PC	FLUSH MOUNTED A/V / COMPUTER OUTLET BOX LOCATED IN CLASSROOM CONTROL PANEL COMPLETE WITH 27mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
P	FLUSH MOUNTED A/V / COMPUTER OUTLET BOX COMPLETE WITH 27mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
PW	CONDUIT AND WIRING TERMINATED WITH FLOOR MONUMENT FOR RECEPTACLES MOUNTED IN OR ON UNDERSIDE OF DESK, EXTEND BX CABLES TO RECEPTACLES AS SHOWN ON FLOOR PLANS.
CW	COMPUTER CONDUIT TERMINATED IN SERVICE FITTING ON UNDERSIDE OF DESK EXTEND CONDUIT TO COMPUTER OUTLET BOX MOUNTED IN DESK.
TW	TELEPHONE CONDUIT TERMINATED IN SERVICE FITTING ON UNDERSIDE OF DESK. EXTEND CONDUIT TO TELEPHONE OUTLET BOX MOUNTED IN MILLWORK.
M	FLUSH FLOOR MOUNTED MICROPHONE OUTLET BOX. (NEPCO #800SP SERIES BOX COMPLETE WITH RUBBER SHEATH AND BRASS RING, CONDUIT NIPPLE AND 4" SQUARE BOX WITH REMOVABLE COVER.
	ELECTRIC BASEBOARD HEATER
T	UNIT HEATER C/W BUILT–IN THERMOSTAT
	ELECTRIC MOTOR (WIRING & EQUIPMENT AS NOTED)
	EMERGENCY PUSHBUTTON (RED MUSHROOM TYPE WITH LARGE BUTTON)
VFD	VARIABLE FREQUENCY DRIVE (VFD) COMPLETE WITH ASSOCIATED REMOTE INPUT & OUTPUT REACTORS (SUPPLIED BY MECHANICAL CONTRACTOR AND WIRED & INSTALLED BY ELECTRICAL CONTRACTOR)
LR	LOAD REACTORS (SUPPLIED BY MECHANICAL CONTRACTOR AND WIRED & INSTALLED BY ELECTRICAL CONTRACTOR)

EXP RT WP	DISCONNECT SWITCH (WP DENOTES WEATHERPROOF, RT DENOTES RAINTIGHT, EXP DENOTES EXPLOSION PROOF)
T	TEN MINUTE TIMER (SUPPLIED AND INSTALLED BY DIV. 26.)
P	MANUAL MOTOR STARTER (P – DENOTES PILOT LIGHT, SUPPLIED BY MECHANICAL DIV., INSTALLED BY ELECTRICAL DIV.). PROVIDE DISCONNECT SWITCH AHEAD OF MANUAL MOTOR STARTER.
SC	SPEED CONTROLLER FOR CEILING FAN (SUPPLIED BY DIV.23, INSTALLED BY DIV.26)
P	MAGNETIC MOTOR STARTER (P – DENOTES PILOT LIGHT, SUPPLIED BY MECHANICAL DIV., INSTALLED BY ELECTRICAL DIV.). PROVIDE DISCONNECT SWITCH AHEAD OF MANUAL MOTOR STARTER.
F	FUSED COMBINATION MAGNETIC MOTOR STARTER (SUPPLIED BY DIV.23, INSTALLED BY DIV.26)
TS	TIMESWITCH
C	H.O.A. CONTACTOR C/W PILOT LIGHT
T	LINE VOLTAGE THERMOSTAT C/W 13mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE (SUPPLIED BY DIV. 23 AND INSTALLED BY DIV. 26)
TH	OUTLET BOX C/W 13mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE FOR TEMPERATURE SENSOR. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL DRAWINGS. (TEMPERATURE SENSOR AND WIRING BY MECHANICAL DIV.)
P	OUTLET FOR HANDICAPPED PUSH BUTTON
	SURFACE OR FLUSH MOUNTED ELECTRICAL PANELS
	DISTRIBUTION PANEL OR SPLITTER TROUGH
	CONDUIT RUN CONCEALED IN WALL & CEILING ETC.
	CONDUIT RUN IN OR UNDER FLOOR SLAB OR GRADE
F WP	FIRE ALARM MANUAL PULL STATION – WP DENOTES WEATHERPROOF
S F WG	FLUSH MOUNTED FIRE ALARM CONE SPEAKER. (WG DENOTES C/W WIREGUARD, S DENOTES C/W STROBE LIGHT)
S (W)	FIRE ALARM SMOKE DETECTOR (W DENOTES C/W WIREGUARD)
H (W)	FIRE ALARM HEAT DETECTOR (W DENOTES C/W WIREGUARD)
S/A WP	FIRE ALARM SMOKE DETECTOR MOUNTED IN SUPPLY DUCT C/W PILOT LIGHT (WP–DENOTES COMPLETE WITH HEATER AND WEATHER PROOF ENCLOSURE)
DSD	FIRE ALARM DUCT SMOKE DETECTOR (C/W PILOT LIGHT) MOUNTED IN DUCT
	FIRE ALARM SUPERVISORY VALVE
	FIRE ALARM SPRINKLER FLOW SWITCH
S	FLUSH CEILING MOUNTED P.A. SPEAKER BACK BOX COMPLETE WITH EMPTY CONDUITS (WIRINGS, SPEAKER, ETC. BY OTHERS)
	WALL MOUNTED P.A. SPEAKER BACK BOX C/W 21mmEC TERMINATED IN ACCESSIBLE CEILING SPACE (WIRINGS, SPEAKER, ETC. BY OTHERS)
E	H/C WASHROOM EMERGENCY CALL STATION PULL CORD TYPE
	WALL MOUNTED OUTLET BOX FOR H/C EMERGENCY CALL SWITCH C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
B WP	WEATHERPROOF OUTLET BOX FOR P.A. EXTERIOR BELLS C/W 21mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
	WALL MOUNTED OUTLET BOXES FOR FUTURE HORN AND STROBE FOR LOCKDOWN PROCEDURE (SUPPLIED AND INSTALLED BY OTHERS) AND 16mmEC UP TO ACCESSIBLE CEILING SPACE. SEE DET.#2/DWG.E13 & SPECIFICATION
	WALL MOUNTED OUTLET BOX FOR P.A. DOOR BELL PUSH BUTTON C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
EM	LOCKDOWN PUSH BUTTON
DH	OUTLET FOR DOOR HOLD OPEN DEVICE
DC	SECURITY DOOR CONTACT
KP	REMOTE SECURITY KEY PAD
K	REMOTE SECURITY KEY SWITCH
MD	DUAL SENSING SECURITY SYSTEM MOTION DETECTORS
MC	MOMENTARY CONTACT
	WALL MOUNTED OUTLET BOX FOR FUTURE ANALOG CLOCK (SUPPLIED AND INSTALLED BY OTHERS) AND 16mmEC UP TO ACCESSIBLE CEILING SPACE. SEE SPECIFICATION
S	REMOTE SECURITY ALARM HORN
CP	CONTROL PANEL (REFER TO DETAIL #3, THIS DRAWING)
JB	JUNCTION OR PULL BOX
OS	OCCUPANCY SENSOR

GENERAL NOTES :

1. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCH. DRAWINGS
2. FOR EXACT LOCATION OF ALL A/C UNITS, PUMPS, MOTORS, HEATERS, ETC.., SEE MECHANICAL DRAWINGS
3. ALL RECEPTACLES LOCATED FURTHER THAN 100FT FROM THE CORRESPONDING LIGHTING PANELS SHALL BE WIRED WITH #10 AWG AND ALL RECEPTACLES LOCATED FURTHER THAN 200FT FROM THE CORRESPONDING LIGHTING PANELS SHALL BE WIRED WITH #8 AWG
4. ALL EMERGENCY LIGHTING CIRCUITS LOCATED FURTHER THAN 200FT FROM THE CORRESPONDING LIGHTING PANELS (i.e. LP–1EL & LP–2EL) SHALL BE WIRED WITH #10 AWG AND ALL RECEPTACLES LOCATED FURTHER THAN 200FT FROM THE CORRESPONDING LIGHTING PANELS SHALL BE WIRED WITH #8 AWG
5. EXACT LOCATION FOR ALL RECEPTACLES SHALL BE DETERMINED BY THE ARCHITECT PRIOR TO ROUGHING–IN
6. CO–ORDINATE ALL WORK WITH MECHANICAL CONTRACTOR
7. STARTERS FOR FANS SHALL BE LOCATED ADJACENT TO CORRESPONDING LIGHTING PANELS UNLESS OTHERWISE SHOWN
8. ELECTRICAL CONTRACTOR SHALL CO–ORDINATE THEIR WORK TO SUIT THE PROJECT PHASE SCHEDULE
9. ALL ELECTRICAL EQUIPMENT IN GYM, SHALL BE FLUSH MOUNTED IN RECESSED SPACE AND C/W WIRE GUARD
10. OPENING IN LAB FURNITURE FOR ELECTRICAL EQUIPMENT SHALL BE BY FURNITURE SUPPLIER
11. ALL DUPLEX RECEPTACLES, F.A. PULL STATIONS AND SWITCHES SHALL BE FLUSH MOUNTED EXCEPT IN MECHANICAL ROOMS
12. FIXTURES LOCATED IN STORAGE ROOMS, ELECTRICAL AND MECHANICAL ROOMS SHALL BE C/W WIRE GUARD
13. FIRE ALARM PULL STATIONS SHALL BE COMPLETE WITH LEXAN COVERS.
14. FIRE ALARM SPEAKERS AND SPEAKERS/STROBE COMBINATION IN CORRIDORS SHALL BE COMPLETE WITH WIRE GUARDS.
15. LIGHT SWITCHES AND RECEPTACLES ON EMERGENCY POWER SHALL BE RED.
16. PROVIDE BLANK COVER PLATE (STAINLESS STEEL) FOR ALL UNUSED OUTLET BOX.
17. THE IDENTIFIED CONDUCTOR SHALL BE INSTALLED AT EACH LOCATION OF A MANUAL OR AUTOMATIC CONTROL DEVICE FOR THE CONTROL OF PERMANENTLY INSTALLED LUMINAIRES AT A BRANCH CIRCUIT OUTLET.
18. ALL SLEEVES SHALL BE FILLED WITH FIRE STOP CAULKING AFTER ALL WIRES HAVE BEEN PULLED. COORDINATE WITH ALL TRADES AND ON SITE.
19. ALL LOW VOLTAGE CABLES SHALL BE FT6 RATED.

ELECTRICAL EQUIPMENT MOUNTING HEIGHTS (HANDICAP ACCESSIBLE AREAS)

1. ELECTRICAL OUTLETS AND TELEPHONE OUTLET BOX: 400mm A.F.F. TO BOTTOM OF OUTLET (IN CORRIDORS, OFFICES, CLASSROOMS, ETC... EXCLUDING SERVICE SPACES ONLY)
2. LIGHT SWITCHES: 1100mm A.F.F. TO TOP OF SWITCHES
3. TEMPERATURE "SENSING" DEVICES: 1200mm A.F.F. TO THE TOP OF OUTLET BOX
   NOTE: IF FUNCTIONING THERMOSTAT CONTROL: 1200mm A.F.F. TO MIDDLE OF BOX
4. WALL MOUNTED TELEPHONE OUTLET BOX: 1100mm A.F.F. TO TOP OF OUTLET (PAY PHONES)
5. FIRE ALARM PULL STATIONS: 1200mm A.F.F. TO MIDDLE OF OUTLET
6. WALL MOUNTED P/A SPEAKER BOXES (OTHER THAN IN CONTROL PANEL): 2200mm A.F.F. TO BOTTOM OF BOX
7. ELECTRICAL PANELS: 1980mm A.F.F. TO TOP OF PANEL
8. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT/OWNER PRIOR TO ANY ROUGH–IN.

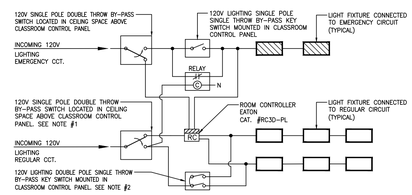
NOTES: (RE.: COMPUTER SYSTEM)

1. PROVIDE EMPTY CONDUITS, OUTLET BOXES, BLANK COVER PLATES, SLEEVES AND CABLE TRAYS AS INDICATED ON FLOOR PLANS (SEE SPECIFICATION).
2. ALL CONDUITS SHALL BE 21mm UNLESS OTHERWISE NOTED.
3. ALL CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUITS IN EXPOSED OR DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
4. COORDINATE WORK WITH ARCHITECT AND COMPUTER SYSTEM CONTRACTOR.
5. EXACT LOCATION OF ALL PROVISIONS FOR COMPUTER SYSTEM DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH IN.
6. FOR EXACT LOCATION AND QUANTITY OF PROVISIONS FOR COMPUTER SYSTEM DEVICES. REFER TO FLOOR PLANS.
7. FOR MORE INFORMATION REFER TO SPECIFICATION.

NOTES: (RE.: P.A. AND TELEPHONE SYSTEM)

1. PROVIDE EMPTY CONDUITS, OUTLET BOXES, BLANK COVER PLATES, SLEEVES AND CABLE TRAYS, SPEAKER BACK BOXES FOR P.A. AND TELEPHONE SYSTEM AS INDICATED ON FLOOR PLANS.
2. ALL CONDUITS SHALL BE 21mm UNLESS OTHERWISE NOTED.
3. ALL CONDUITS FOR P.A. AND TELEPHONE SYSTEM SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUITS IN EXPOSED OR DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
4. COORDINATE WORK WITH ARCHITECT AND P.A. & TELEPHONE SYSTEM CONTRACTOR.
5. EXACT LOCATION OF ALL PROVISIONS FOR P.A. & TELEPHONE SYSTEM DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH IN.
6. FOR EXACT LOCATION AND QUANTITY OF PROVISIONS FOR P.A. & TELEPHONE SYSTEM DEVICES. REFER TO FLOOR PLANS.
7. FOR MORE INFORMATION, REFER TO SPECIFICATIONS.

RC	ROOM CONTROLLER EATON CAT. #RC3D–PL



NOTES:

1. THIS SCHEMATIC DIAGRAM IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS TO ACHIEVE INTENT OF WORK AS SHOWN FOR THE REQUIRED AREAS/SPACES.
2. NUMBER OF DOUBLE POLE SINGLE THROW BY PASS KEY SWITCHES MOUNTED ON CLASSROOM CONTROL PANEL/WALL SHALL BE PROVIDED TO SUIT NUMBER OF SWITCHING ZONE(S) OF EACH ROOM CONTROLLER IN RESPECTIVE ROOM/SPACE/AREA.
3. NUMBER OF SINGLE POLE DOUBLE THROW BY PASS SWITCHES LOCATED IN CEILING SPACE SHALL BE PROVIDED TO SUIT NUMBER OF LIGHTING CIRCUITS OF EACH ROOM CONTROLLER IN RESPECTIVE ROOM/SPACE/AREA.

1 / E2 TYPICAL 120V NORMAL & EMERGENCY LIGHTING CIRCUITS WIRING SCHEMATIC WITH ROOM CONTROLLER (RC)
SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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.



MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

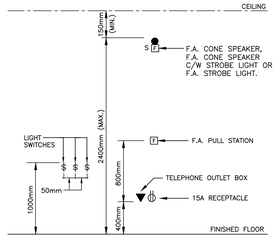
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL LEGEND OF SYMBOLS AND DETAILS

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E2
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

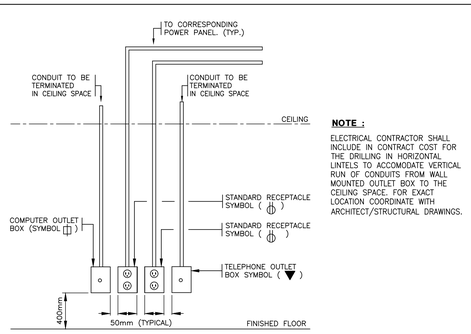


NOTES :

1. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 2000mm AND NOT MORE THAN 2400mm AFF.
2. IF THERE ARE MORE THAN ONE WIRING DEVICE AT THE SAME LOCATION, THEY SHALL BE MOUNTED VERTICALLY AS SHOWN.

1 E3 TYPICAL INSTALLATION OF ELECTRICAL DEVICES

SCALE: N.T.S.

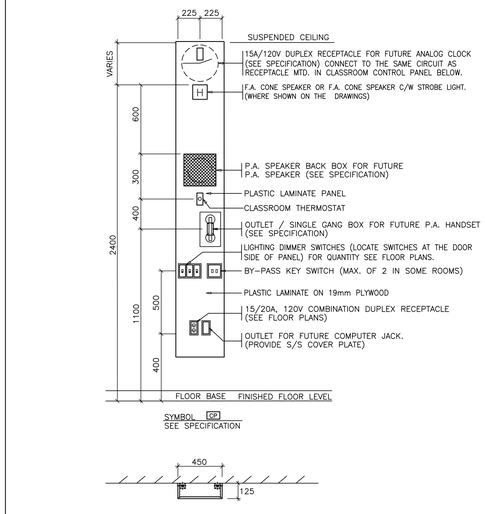


NOTE :

ELECTRICAL CONTRACTOR SHALL INCLUDE IN CONTRACT COST FOR THE DRILLING IN HORIZONTAL LINTELS TO ACCOMODATE VERTICAL RUN OF CONDUITS FROM WALL MOUNTED OUTLET BOX TO THE CEILING SPACE. FOR EXACT LOCATION COORDINATE WITH ARCHITECT/STRUCTURAL DRAWINGS.

2 E3 TYPICAL INSTALLATION OF RECEPTACLES AND OUTLETS

SCALE: N.T.S.

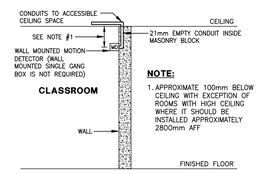


NOTES :

1. CONTROL PANEL SHALL BE PROVIDED AND INSTALLED BY ARCHITECTURAL DIVISION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. PA SPEAKER BACK BOXES, OUTLET FOR CLOCK, RECEPTACLE, OUTLET FOR PA HANDSET AND LIGHT SWITCHES SHALL BE BY DIVISION 26. (SEE SPECIFICATION)
3. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS ARE NOT LESS THAN 2200mm AND NOT MORE THAN 2400mm AFF.
4. PA HANDSET CORDS SHALL BE ALIGNED TO THE KEY SWITCHES AND NOT DIMMER SWITCHES.

3 E3 WALL MOUNTED MODULAR CLASSROOM CONTROL PANEL

SCALE: N.T.S.

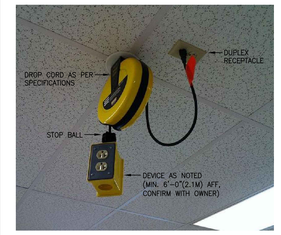


NOTE:

1. APPROXIMATE 100mm BELOW CEILING WITH EXCEPTION OF ROOMS WITH HIGH CEILING WHERE IT SHOULD BE INSTALLED APPROXIMATELY 2800mm AFF

8 E3 TYPICAL INSTALLATION OF WALL MOUNTED MOTION DETECTOR

SCALE: N.T.S.

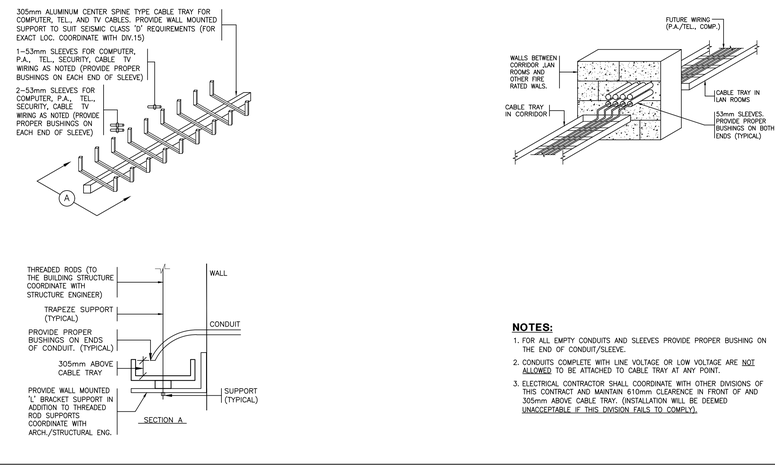


NOTES :

1. DROP CORD ARE TO BE PROVIDED WITH THE FOLLOWING FEATURES:
   - STEEL FRAME AND YELLOW POWDER COAT FINISH
   - HEAVY DUTY WELDED MOUNTING FRAME
   - MULTI-POSITION GUIDE ARM
   - MULTI DIRECTIONAL NYLON ROLLERS ON GUIDE ARM.
   - 12 AWG 3 CONDUCTOR SJEO CORD
   - POSITIVE LATCH MECHANISM
   - AUTOMATIC SPRING RETRACTION
   - PLUG IN POWER CORD
   - COMPLETE WITH FS TYPE BOX, SPECIFICATION GRADE DUPLEX RECEPTACLE AND WEATHERPROOF COVER.
   - MUST CONFORM TO UL 355/CSA C22.2 NO.21-M90
   - CABLE REEL ASSEMBLY TO BE SECURELY FASTENED TO CEILING COMPLETE WITH STOP BALL, "KELLEMS" STRAIN RELIEF CONNECTOR.
   - SUSPENDED 2.1M A.F.F.
   - ACCEPTABLE MATERIAL: HUBBELL CAT.#HBL 45123R2O

12 E3 TYPICAL INSTALLATION OF DROP CORD RECEPTACLE

SCALE: N.T.S.

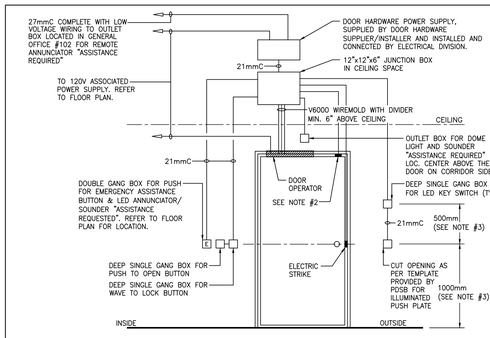


NOTES:

1. FOR ALL EMPTY CONDUITS AND SLEEVES PROVIDE PROPER BUSHING ON THE END OF CONDUIT/SLEEVE.
2. CONDUITS COMPLETE WITH LINE VOLTAGE OR LOW VOLTAGE ARE NOT ALLOWED TO BE ATTACHED TO CABLE TRAY AT ANY POINT.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER DIVISIONS OF THIS CONTRACT AND MAINTAIN 610mm CLEARENCE IN FRONT OF AND 305mm ABOVE CABLE TRAY. (INSTALLATION WILL BE DEEMED UNACCEPTABLE IF THIS DIVISION FAILS TO COMPLY).

9 E3 TYP. TERMINATION OF EMPTY CONDUITS AT CABLE TRAY

SCALE: N.T.S.



NOTES :

1. ALL CONDUITS ARE 21mm (3/4") UNLESS OTHERWISE NOTED.
2. LOCAL DOOR CONTACT FOR DOOR OPERATOR INTERLOCK OPERATION (THIS DOOR CONTACT IS NOT REQUIRED TO BE CONNECTED TO THE SECURITY SYSTEM)
3. COORDINATE EXACT LOCATION/MOUNTING HEIGHT OF OUTLETS WITH ARCHITECT/PDSB STANDARDS
4. ALL LOW VOLTAGE WIRING SHALL BE MINIMUM 10#18AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.
5. LOW VOLTAGE WIRING FROM B.F. WASHROOM EMERGENCY ASSISTANCE TO ANNUNCIATOR BOX LOCATED IN GENERAL OFFICE SHALL BE MINIMUM 2#14AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.

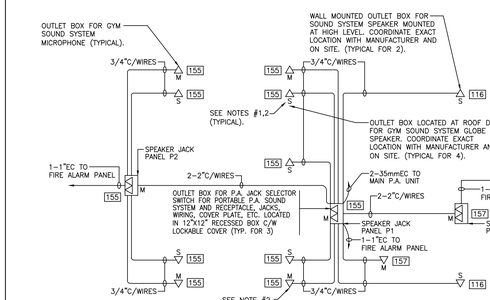
5 E3 UNIVERSAL WASHROOMS BARRIER FREE DOOR OPERATOR SCHEMATIC (TYPICAL)

SCALE: N.T.S.

NOTES :

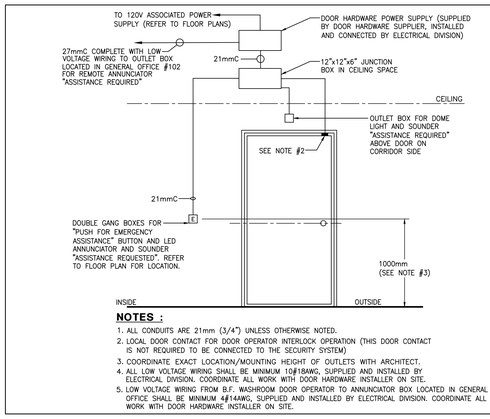
1. OUTLET BOX/SOUND SYSTEM SPEAKER SHALL BE MOUNTED ON STRUCTURAL JOIST BEAM (BETWEEN THE FIRST AND SECOND JOIST FROM THE WALL). COORDINATE EXACT LOCATION WITH THE ARCHITECT/SOUND SYSTEM CONTRACTOR AND ON SITE. REFER TO SPECIFICATIONS.
2. ALL THE SPEAKER AND MICROPHONE CABLES WILL BE SUPPLIED BY ELECTRICAL CONTRACTOR. REFER TO SPECIFICATIONS.
3. ALL CONDUITS ARE 19mm (3/4") UNLESS OTHERWISE NOTED.

FOR MORE INFORMATION REFER TO ELECTRICAL SPECIFICATION



4 E3 SOUND SYSTEM IN STAGE 157 AND GYMNASIUM 155 SCHEMATIC

SCALE: N.T.S.

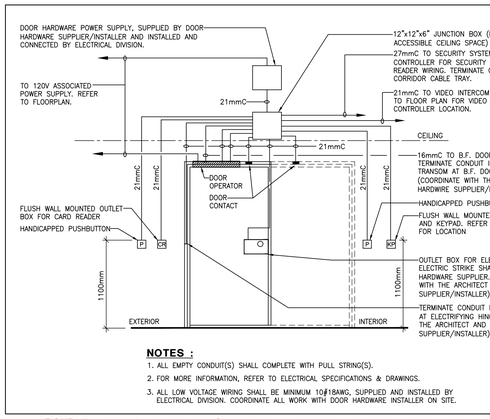


NOTES :

1. ALL CONDUITS ARE 21mm (3/4") UNLESS OTHERWISE NOTED.
2. LOCAL DOOR CONTACT FOR DOOR OPERATOR INTERLOCK OPERATION (THIS DOOR CONTACT IS NOT REQUIRED TO BE CONNECTED TO THE SECURITY SYSTEM)
3. COORDINATE EXACT LOCATION/MOUNTING HEIGHT OF OUTLETS WITH ARCHITECT.
4. ALL LOW VOLTAGE WIRING SHALL BE MINIMUM 10#18AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.
5. LOW VOLTAGE WIRING FROM B.F. WASHROOM DOOR OPERATOR TO ANNUNCIATOR BOX LOCATED IN GENERAL OFFICE SHALL BE MINIMUM 4#14AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.

6 E3 UNIVERSAL WASHROOMS EMERGENCY ASSISTANCE SYSTEM SCHEMATIC (TYP.)

SCALE: N.T.S.

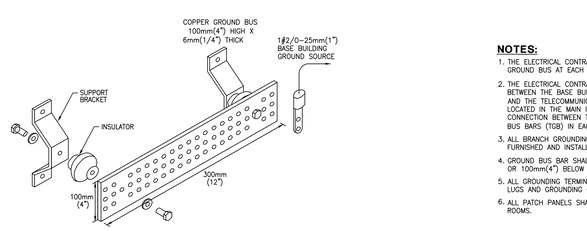


NOTES :

1. ALL EMPTY CONDUIT(S) SHALL COMPLETE WITH PULL STRING(S).
2. FOR MORE INFORMATION, REFER TO ELECTRICAL SPECIFICATIONS & DRAWINGS.
3. ALL LOW VOLTAGE WIRING SHALL BE MINIMUM 10#18AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.

7 E3 DOUBLE DOOR CARD READER/ELECTRICAL STRIKE AND DOOR OPERATOR SCHEMATIC DIAGRAM (TYPICAL INSTALLATION OF CONDUITS AND DEVICES)

SCALE: N.T.S.



NOTES:

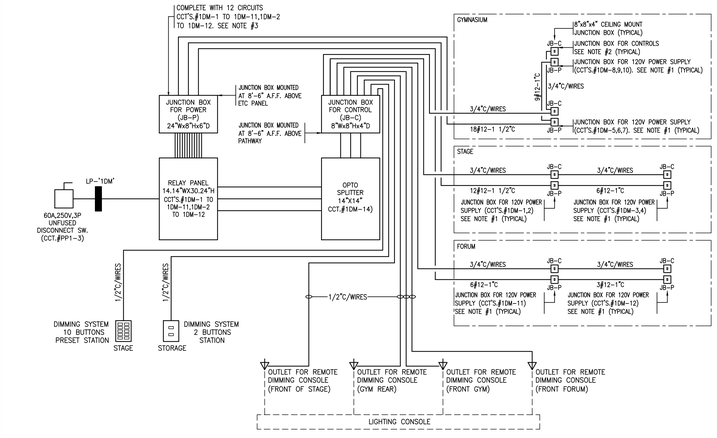
1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONE MOUNTED GROUND BUS AT EACH ITS RELAY ROOM AND ELECTRICAL ROOM.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND CONNECTION BETWEEN THE BASE BUILDING SERVICE ENTRANCE GROUNDING ELECTRODE AND THE TELECOMMUNICATION MAIN GROUNDING BUS BARS (TMGB) LOCATED IN THE MAIN ITS RELAY ROOM. ALSO PROVIDE A GROUND CONNECTION BETWEEN THE TMGB AND TELECOMMUNICATIONS GROUNDING BUS BARS (TGB) IN EACH ITS RELAY ROOM.
3. ALL BRANCH GROUNDING WITHIN THE ITS RELAY ROOMS SHALL BE FURNISHED AND INSTALLED BY THE COMMUNICATIONS CONTRACTOR.
4. GROUND BUS BAR SHALL BE INSTALLED AT THE TOP OF THE BACKBOARD OR 100mm(4") BELOW THE CEILING NEAR THE RACK.
5. ALL GROUNDING TERMINATIONS SHALL BE DONE WITH U.L. LISTED HYPRESS LUGS AND GROUNDING CLAMPS.
6. ALL PATCH PANELS SHALL BE CONNECTED TO GROUND BUS AT EACH ITS/HUB ROOMS.

10 E3 TELECOMMUNICATIONS GROUND BUS BAR DETAIL

SCALE: N.T.S.

2-27mm EC

TO PA JACK SELECTOR SWITCHES LOCATED IN GYMNASIUM #186 FOR FUTURE SOUND MUTING



NOTES:

1. RUN 2-1" FLEXIBLE CONDUITS COMPLETE WITH ASSOCIATED CIRCUITS FROM ASSOCIATED ROOF DECK MOUNTED JUNCTION BOX FOR 120V POWER SUPPLY AND CONNECT TO THE PIPE MOUNTED CIRCUIT BOX. COORDINATE WITH DIMMING SYSTEM SUPPLIER.
2. RUN 2-1/2" FLEXIBLE CONDUITS FROM ASSOCIATED ROOF DECK MOUNTED JUNCTION BOX FOR DMX CABLES AND CONNECT TO THE PIPE MOUNTED BOX. COORDINATE WITH DIMMING SYSTEM SUPPLIER.
3. PROVIDE SEPARATE NEUTRAL FOR ALL CIRCUITS.
4. PROVIDE DIMMING LIGHTING SYSTEM CONTROL STATION, DIMMING LIGHTING DMX DISTRIBUTION, RELAYS/CONTROLS, WIRING, PIPE MOUNTING SUPPORT, L.E.D. DIMMABLE LIGHT FIXTURES, CAGES, ETC., AND PROVIDE COMPLETE DIMMING LIGHTING SYSTEM FOR GYMNASIUM/STAGE/FORUM. INSTALLATION OF SYSTEM SHALL COMPLY WITH MANUFACTURER RECOMMENDATIONS.
5. PROVIDE COMPLETE DIMMING LIGHTING (i.e. FIXTURES, TRACK SUPPORTS, TWISTLOCK RECEPTACLES, RELAY PANEL, OPTO SPLITTER, LIGHTING CONSOLE, DMX-IN/OUT, CONDUITS, WIRES, DMX, PROGRAMMING, ETC.) AS SHOWN ON ATTACHED DRAWINGS/SPECIFICATIONS.
6. LED TYPE DIMMING LIGHTING FIXTURE SHALL BE C/W WIREGUARD. TYPICAL FOR GYMNASIUM.
7. EXACT LOCATION OF DIMMING PIPES, LIGHTS, ETC. SHALL BE COORDINATED WITH DIMMING SYSTEM MANUFACTURER AND ON SITE BEFORE ROUGH-INS.
8. EXACT QUANTITY OF DIMMING SYSTEM COMPONENTS SHALL BE COORDINATED WITH MANUFACTURER AND ELECTRICAL SPECIFICATIONS.
9. EXACT LED LIGHTING LAYOUT/CONFIGURATION SHALL BE COORDINATED WITH OWNER BEFORE ROUGH-INS.
10. ALL CONDUITS ARE 19mm (3/4") UNLESS OTHERWISE NOTED.
11. COORDINATE EXACT LOCATION WITH DIMMING MANUFACTURER, OWNER, ARCHITECT BEFORE ROUGH-INS.

11 E3 DIMMING SYSTEM IN STAGE 157 AND GYMNASIUM 155 SCHEMATIC DIAGRAM

SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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 — MOZAFFAR — 100035724 — June 17, 2026 — Ksjescir 24036 — PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE. CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 267
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-0453

ELECTRICAL DETAILS

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE	AS SHOWN
DATE	JUN.17, 2026
DRAWN	R.R.
CHECKED	R.R.
PROJECT	24112
DRAWING	E3
PRINT DATE	JUN.17, 2026
REVIT FILE	24036

NOTES: (REFER TO DRAWING E5 ELECTRICAL GROUND FLOOR LIGHTING LAYOUT)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE NORMALLY CLOSED RELAYS AND ALL ASSOCIATED COMPONENTS TO TURN ON EMERGENCY LIGHTING LOCATED IN ITS ROOM, SMALL WASHROOM, PRACTICE ROOM, CUSTODIAN ROOM, STORAGES, TEACHING SPACES, WASHROOMS, CORRIDORS, ETC. IN CASE OF REGULAR POWER FAILURE REGARDLESS OF STATUS OF LIGHT SWITCH, OCCUPANCY SENSOR, EMS, ETC. PROVIDE ONE 120V RELAY PER EACH ROOM WHERE EMERGENCY LIGHT FIXTURE(S) IS(ARE) CONTROLLED BY LIGHT SWITCH, OCCUPANCY SENSOR, H.O.A. CONTACTOR, ETC. INSTALL RELAY IN CEILING SPACE ABOVE LIGHT SWITCH (PROVIDE PROPER LABEL MOUNTED ON T-BAR BELOW) OR OTHER DEVICE CONTROLLING ASSOCIATED LIGHT FIXTURE(S). ADJUST ALL COMPONENTS TO SUIT.

2. PROVIDE THREE (3) 3-WAY KEY OPERATED SWITCHES AS FOLLOWS:
   - ONE TO CONTROL CORRIDOR #129 LIGHTS ON CCT.#1LA-1
   - ONE TO CONTROL CORRIDOR #129 LIGHTS ON CCT.#1LA-3
   - ONE TO CONTROL CORRIDOR #129 LIGHTS ON CCT.#1EL-7

   KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL CORRIDOR LIGHTING.
3. PROVIDE TWO (2) KEY OPERATED SWITCHES TO CONTROL STAIRS LIGHTING. KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL STAIR LIGHTING.
4. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 4 TYPE 'E' EXIT SIGNS COMPLETE WITH 15000mm OF CONDUIT AND WIRING TO THE NEAREST 120 VOLT EXIT SIGN.
5. FOR EXACT LOCATION OF ALL WALL MOUNTED ELECTRICAL DEVICES IN GYM COORDINATE WITH ARCHITECT/ARCH. ELEVATION DRAWINGS.
6. PROVIDE H.O.A. CONTACTORS AND ALL NECESSARY COMPONENTS (i.e. AUXILIARY RELAYS) TO CONTROL CORRIDOR, STAIR & VESTIBULE LIGHT FIXTURES ON (i.e., CCT'S.#1LA-1,3,5; 1LB-1,3,5,7; 1DC-1,3; 1EL-3,7,9,11,13 BY E.M.S. AND SECURITY SYSTEM. EACH CIRCUIT SHALL BE CONTROLLED SEPARATELY. RELAYS SHALL BE INSTALLED IN RELAY PANEL (UNLESS SHOWN OTHERWISE). FOR MORE INFORMATION, REFER TO ELECTRICAL SPECIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH (WALL MOUNTED IN CEILING SPACE ABOVE CLASSROOM CONTROL PANEL/ROOM LIGHT SWITCHES) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH. ADJUST ALL COMPONENTS TO SUIT.
8. PROVIDE OCCUPANCY SENSOR, EATON, CAT. ONW-D-1001-MV, WALL SWITCH VACANCY SENSOR (AUTO-ON/AUTOMATIC-OFF CONTROL) WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN SPACE IS NOT OCCUPIED. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT.
9. WALL OUTLET BOX FOR FUTURE VOLUME CONTROL WIRING OF P.A. SPEAKER. (COORDINATE WITH P.A./TEL. SYSTEM INSTALLER.). PROVIDE BLANK COVER PLATE.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE CERTIFICATE FOR EMERGENCY LIGHTING AND REPORT OF EMERGENCY LIGHTING LEVELS MEASUREMENTS.
11. PROVIDE OCCUPANCY SENSOR EATON, CAT. OAC-DT-1000-R, WHICH SHALL TURN-OFF CORRESPONDING LIGHT FIXTURES WHEN LIGHT SWITCHE(S) IS (ARE) IN "ON" POSITION AND SPACE IS NOT OCCUPIED. AND TURN THEM BACK 'ON' WHEN SPACE IS OCCUPIED, EXACT LOCATION OF OCCUPANCY SENSOR SHALL BE COORDINATED ON SITE AND SHALL COMPLY WITH MANUFACTURER RECOMMENDATION. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT. PROVIDE NUMBER OF POWER PACK(S) TO SUIT NUMBER OF CIRCUIT(S) IN ROOM.
12. PROVIDE FOUR (4) 3-WAY KEY OPERATED SWITCHES AS FOLLOWS:
   - ONE TO CONTROL FOYER #111, CORRIDOR #148 & 136 LIGHTS ON CCT.#1LB-1
   - ONE TO CONTROL FOYER #111, CORRIDOR #148 & 136 LIGHTS ON CCT.#1LB-3
   - ONE TO CONTROL FOYER #111, CORRIDOR #148 & 136 LIGHTS ON CCT.#1EL-9
   - ONE TO CONTROL FOYER #111, CORRIDOR #148 & 136 LIGHTS ON CCT.#1EL-11

   KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL CORRIDOR LIGHTING.
13. INSTALL WALL MOUNTED LOW VOLTAGE, 0-10V, DIMMER SWITCH LUTRON DIVA CAT.#DVWCL-153PH.
14. ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER PRICE FOR INSTALLATION, TESTING, TIME ADJUSTMENT AND COMMISSIONING OF OCCUPANCY SENSORS, ROOM CONTROLLERS, DAYLIGHT SENSORS, AND PROGRAMMING OF AUTO-ON SEQUENCE OF ROOM CONTROLLER FOR LIGHT FIXTURES ON A ROOM BY ROOM BASIS IN ENTIRE BUILDING, BY MANUFACTURER. SUBMIT VERIFICATION/COMMISSIONING REPORT AFTER COMPLETION OF WORK. REFER TO ELECTRICAL SPECIFICATION FOR DETAILS.
15. EXACT LOCATION OF LIGHT FIXTURES SHALL BE DETERMINED AFTER MECHANICAL EQUIPMENT'S (i.e DUCTS, PIPES, ETC.) HAVE BEEN INSTALLED. (COORDINATE WITH ELECTRICAL CONSULTANT AND MECHANICAL CONTRACTOR)
16. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH FOR WASHROOM/CHANGE ROOM SENSOR (WALL MOUNTED IN CORRIDOR CEILING SPACE ABOVE ENTRANCE TO WASHROOM/CHANGE ROOM) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH. ADJUST ALL COMPONENTS TO SUIT.
17. FOR EACH ROOM CONTROLLER, PROVIDE SINGLE POLE DOUBLE THROW LIGHT SWITCH (WALL MOUNTED IN ACCESSIBLE CEILING SPACE ABOVE WALLSTATIONS/CLASSROOM CONTROL PANEL) AND DOUBLE POLE SINGLE THROW KEY SWITCH(ES) RECESS MOUNTED ON THE WALL/CLASSROOM CONTROL PANEL (WHERE APPLICABLE). THESE SWITCHES SHALL OVERRIDE RESPECTIVE ROOM CONTROLLER USED FOR 120V LIGHTING IN THE RESPECTIVE ROOM(S)/SPACE(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH LOCATED ABOVE WALL STATIONS/CLASSROOM CONTROL PANEL **"BY PASS SWITCH"** AND ON CEILING GRID BELOW SWITCH **"BY-PASS SWITCH ABOVE"**, AS WELL AS THE BY-PASS SWITCH MOUNTED ON CLASSROOM CONTROL PANEL OR ON WALL **"BY-PASS SWITCH"**. PROVIDE ADDITIONAL SINGLE POLE DOUBLE THROW LIGHT SWITCH AND SINGLE POLE KEY SWITCH, AS DESCRIBED ABOVE, FOR EACH ROOM CONTROLLER THAT HAVE EMERGENCY LIGHT CIRCUIT IN ADDITION TO NORMAL CIRCUIT. ADJUST ALL COMPONENTS TO SUIT. REFER TO DETAIL #2 ON DRAWING E5 FOR WIRING SCHEMATIC DIAGRAM.
18. FOR EXACT LOCATION OF ALL LIGHT FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
19. COORDINATE LOCATION OF LIGHTING FIXTURES WITH MECHANICAL CONTRACTOR.
20. CONNECT BOTH 120V WIRING & 0-10V LOW VOLTAGE DIMMING WIRING TO LIGHT FIXTURES TYPE 'G' ABOVE AND RJ45 QUICK CONNECT CABLE TO OCCUPANCY SENSORS IN GYM. REFER TO DETAIL #1C ON DWG.#E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM. ROOM CONTROLLERS SHALL BE INSTALLED IN CEILING HEIGHT LEVEL IN THIS ROOM.
21. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH (WALL MOUNTED IN CEILING SPACE HIGH ABOVE ASSOCIATED LIGHT SWITCHES IN RESPECTIVE ROOM) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH.
22. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 5 OCCUPANCY SENSORS EATON CAT. #OAWC-DT-122W-R, 5 OCCUPANCY SENSORS EATON CAT. #OAC-DT-1000-R, 5 OCCUPANCY SENSORS EATON CAT. #ONW-D-1001-MV COMPLETE WITH ALL ASSOCIATED COMPONENTS i.e. COUPLER, ETC. AND 15 METERS OF WIRING (EACH) POWER PACKS, SLAVE PACKS AND CONNECTION TO THE ASSOCIATED LIGHTING CIRCUIT (FOR FUTURE USE).
23. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 5 ROOM CONTROLLER EATON CAT. #RC3D-PL 10 ROOM RECEPTACLE SWITCHPACK EATON CAT. #SPRC-D-20-120, 10 ROOM CONTROLLER WALL STATION DIMMER EATON CAT.#RC-3TLB-W, 3 DAYLIGHT SENSOR EATON CAT.#SSRC-FMQR AND ALL ASSOCIATED COMPONENTS AND 15 METERS OF WIRING (EACH) POWER PACKS, SLAVE PACKS AND CONNECTION TO THE ASSOCIATED LIGHTING CIRCUIT (FOR FUTURE USE).
24. CONNECT BOTH 120V WIRING & 0-10V LOW VOLTAGE DIMMING WIRING TO LIGHT FIXTURES TYPE 'K1' ABOVE AND RJ45 QUICK CONNECT CABLE TO OCCUPANCY SENSORS IN THIS ROOM. REFER TO DETAIL #1D ON DWG.#E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM.
25. IN GYMNASIUM #155, OCCUPANCY SENSORS SHALL BE MOUNTED AT 10'-0" AFF. ALL RJ45 QUICK CONNECT CABLES FROM OCCUPANCY SENSORS, DIMMING SWITCH(ES) TO RESPECTIVE CONTROLLER(S) SHALL BE INSTALLED IN CONDUIT. FREE AIR INSTALLATION OF RJ45 QUICK CONNECT CABLES IN GYMNASIUM #155 WILL NOT BE ACCEPTABLE.
26. ALL WALL MOUNTED LV DIMMING SWITCH(ES) SHALL BE COMPLETE WITH OUTLET BOX(ES) AND CONDUIT(S) TERMINATED IN ACCESSIBLE CEILING SPACE.
27. PROVIDE OCCUPANCY SENSOR, EATON, CAT.# VSW-P-010, WALL SWITCH VACANCY SENSOR (AUTO-ON/AUTOMATIC-OFF CONTROL) WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN SPACE IS NOT OCCUPIED. VACANCY SENSOR SHALL BE PRESET TO 30% LIGHTING LEVEL WHEN MANUALLY ACTIVATED TO TURN ON THE ASSOCIATED LIGHT FIXTURES IN THE RESPECTIVE SPACE. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT.
28. PROVIDE THREE (3) 3-WAY KEY OPERATED SWITCHES AS FOLLOWS:
   - ONE TO CONTROL CORRIDOR LIGHTS ON CCT.#1DC-1
   - ONE TO CONTROL CORRIDOR LIGHTS ON CCT.#1DC-3
   - ONE TO CONTROL CORRIDOR LIGHTS ON CCT.#1EL-3

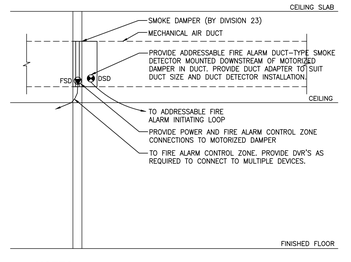
   KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL CORRIDOR LIGHTING.
29. TIME OFF DELAY (TOD) FOR ALL OCCUPANCY SENSORS SHALL BE SET TO 20 MINUTES FOR ALL AREAS TO SUIT ASHRAE REQUIREMENTS.
30. ALL RJ45 QUICK CONNECT CABLES FROM OCCUPANCY SENSOR(S) AND DIMMING SWITCH(ES) TO RESPECTIVE CONTROLLER(S) SHALL BE INSTALLED IN CONDUIT. FREE AIR INSTALLATION OF RJ45 QUICK CONNECT CABLES IN THIS AREA WILL NOT BE ACCEPTABLE.
31. ALL 0-10V LOW VOLTAGE DIMMING WIRING FROM ROOM CONTROLLERS TO RESPECTIVE LIGHT FIXTURES SHALL BE INSTALLED IN CONDUIT. FREE AIR INSTALLATION OF 0-10V LOW VOLTAGE DIMMING WIRING IN THIS AREA WILL NOT BE ACCEPTABLE.
32. DIMMING SWITCHES, SINGLE POLE SINGLE THROW BY-PASS KEY SWITCHES AND DOUBLE POLE SINGLE THROW BY-PASS KEY SWITCHES AT THIS LOCATION SHALL BE MOUNTED IN A 18"X18"X6" RECESSED LOCKABLE BOX.
33. CONNECT BOTH 120V WIRING & 0-10V LOW VOLTAGE DIMMING WIRING TO LIGHT FIXTURES TYPE 'LA' IN STUDENT FORUM #116 AND RJ45 QUICK CONNECT CABLE TO OCCUPANCY SENSORS IN STUDENT FORUM #116. REFER TO DETAIL #1D ON DWG.#E17 AND DETAIL #1A ON DWG.#E18 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM. ROOM CONTROLLERS SHALL BE INSTALLED ABOVE CEILING SPACE IN LEARNING COMMONS WORKROOM #114.
34. TO ASSOCIATED ROOM CONTROLLERS (FOR STUDENT FORUM #116) LOCATED IN THE CEILING SPACE OF LEARNING COMMONS WORKROOM #114.
35. ROOM CONTROLLERS, SINGLE POLE DOUBLE THROW BY-PASS SWITCHES SHALL BE INSTALLED ABOVE CEILING IN THIS ROOM. SEE NOTE #30.
36. FOR DRYWALL CEILING, JUNCTION BOX/CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE. TERMINATION OF JUNCTION BOX/CONDUITS IN DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
37. SUSPENDED LINEAR LIGHT FIXTURES ARE TO BE SUSPENDED SUCH THAT THE BOTTOM OF THE LENS IS FLUSH WITH THE BOTTOM OF THE ADJACENT WOOD SLAT CEILING. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH-INS.

NOTES: (REFER TO DRAWING E7 ELECTRICAL SECOND FLOOR LIGHTING LAYOUT)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE NORMALLY CLOSED RELAYS AND ALL ASSOCIATED COMPONENTS TO TURN ON EMERGENCY LIGHTING LOCATED IN ITS ROOM, SMALL WASHROOM, PRACTICE ROOM, CUSTODIAN ROOM, STORAGES, TEACHING SPACES, WASHROOMS, CORRIDORS, ETC. IN CASE OF REGULAR POWER FAILURE REGARDLESS OF STATUS OF LIGHT SWITCH, OCCUPANCY SENSOR, EMS, ETC. PROVIDE ONE 120V RELAY PER EACH ROOM WHERE EMERGENCY LIGHT FIXTURE(S) IS(ARE) CONTROLLED BY LIGHT SWITCH, OCCUPANCY SENSOR, H.O.A. CONTACTOR, ETC. INSTALL RELAY IN CEILING SPACE ABOVE LIGHT SWITCH (PROVIDE PROPER LABEL MOUNTED ON T-BAR BELOW) OR OTHER DEVICE CONTROLLING ASSOCIATED LIGHT FIXTURE(S). ADJUST ALL COMPONENTS TO SUIT.
2. EXACT LOCATION OF LIGHT FIXTURES SHALL BE DETERMINED AFTER DUCTS, PIPES AND ALL MECH. EQUIPMENT HAVE BEEN INSTALLED. COORDINATE WITH ELECTRICAL CONSULTANT AND MECHANICAL CONTRACTOR (TYPICAL FOR ALL CEILINGS IN MECH. RM.)
3. PROVIDE THREE (3) 3-WAY KEY OPERATED SWITCHES AS FOLLOWS:
   - ONE TO CONTROL CO-LAB ZONE #237, CORRIDOR #234 & #225 LIGHTS ON CCT.# 2LA-1
   - ONE TO CONTROL CO-LAB ZONE #237, CORRIDOR #234 & #225 LIGHTS ON CCT.# 2LA-3
   - ONE TO CONTROL CO-LAB ZONE #237, CORRIDOR #234 & #225 LIGHTS ON CCT.# 2EL-5

   KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL CORRIDOR LIGHTING.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE/INCLUDE IN CONTRACT ALL ASSOCIATED COMPONENTS (i.e. UNISTRAT, HANGERS, BRACKETS, ETC..) FOR PROPER INSTALLATION OF LIGHT FIXTURES TYPE 'S'/'X1' LOCATED IN STAGE/GYMNASIUM.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE CERTIFICATE FOR EMERGENCY LIGHTING AND REPORT OF EMERGENCY LIGHTING LEVELS MEASUREMENT.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH FOR WASHROOM SENSOR (WALL MOUNTED IN CORRIDOR CEILING SPACE ABOVE ENTRANCE TO WASHROOM) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOID PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH. ADJUST ALL COMPONENTS TO SUIT.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH (WALL MOUNTED IN CEILING SPACE ABOVE CLASSROOM CONTROL PANEL/ROOM LIGHT SWITCHES) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH. ADJUST ALL COMPONENTS TO SUIT. REFER TO DETAIL #2 ON DRAWING E5.
8. PROVIDE OCCUPANCY SENSOR, EATON, CAT. ONW-D-1001-MV, WALL SWITCH VACANCY SENSOR (AUTO-ON/AUTOMATIC-OFF CONTROL) WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN SPACE IS NOT OCCUPIED. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT.
9. PROVIDE OCCUPANCY SENSOR EATON, CAT. OAC-DT-1000-R, WHICH SHALL TURN-OFF CORRESPONDING LIGHT FIXTURES WHEN LIGHT SWITCHE(S) IS (ARE) IN "ON" POSITION AND SPACE IS NOT OCCUPIED AND TURN THEM BACK 'ON' WHEN SPACE OCCUPIED. EXACT LOCATION OF OCCUPANCY SENSOR SHALL BE COORDINATED ON SITE AND SHALL COMPLY WITH MANUFACTURER RECOMMENDATION. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT. PROVIDE NUMBER OF POWER PACK(S) TO SUIT NUMBER OF CIRCUIT(S) IN ROOM.
10. EXACT LOCATION OF LIGHT FIXTURES SHALL BE DETERMINED AFTER MECHANICAL EQUIPMENT'S (i.e DUCTS, PIPES, ETC.) HAVE BEEN INSTALLED. (COORDINATE WITH ELECTRICAL CONSULTANT AND MECHANICAL CONTRACTOR)
11. ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER PRICE FOR INSTALLATION, TESTING, TIME ADJUSTMENT AND COMMISSIONING OF OCCUPANCY SENSORS, ROOM CONTROLLERS, DAYLIGHT SENSORS, AND PROGRAMMING OF AUTO-ON SEQUENCE OF ROOM CONTROLLER FOR LIGHT FIXTURES ON A ROOM BY ROOM BASIS IN ENTIRE BUILDING, BY MANUFACTURER. SUBMIT VERIFICATION/COMMISSIONING REPORT AFTER COMPLETION OF WORK
12. PROVIDE H.O.A. CONTACTORS AND ALL NECESSARY COMPONENTS (i.e., AUXILIARY RELAYS) TO CONTROL CORRIDOR LIGHT FIXTURES ON CCT.# 2LA-1,3;2LB-1,3,2EL-1,3 BY E.M.S. AND SECURITY SYSTEM. EACH CIRCUIT SHALL BE CONTROLLED SEPARATELY. RELAYS SHALL BE INSTALLED IN RELAY PANEL (UNLESS SHOWN OTHERWISE). FOR MORE INFORMATION, REFER TO ELECTRICAL SPECIFICATIONS.
13. FOR EACH ROOM CONTROLLER, PROVIDE SINGLE POLE DOUBLE THROW LIGHT SWITCH (WALL MOUNTED IN ACCESSIBLE CEILING SPACE ABOVE WALLSTATIONS/CLASSROOM CONTROL PANEL) AND DOUBLE POLE SINGLE THROW KEY SWITCH(ES) RECESS MOUNTED ON THE WALL/CLASSROOM CONTROL PANEL (WHERE APPLICABLE). THESE SWITCHES SHALL OVERRIDE RESPECTIVE ROOM CONTROLLER USED FOR 120V LIGHTING IN THE RESPECTIVE ROOM(S)/SPACE(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH LOCATED ABOVE WALL STATIONS/CLASSROOM CONTROL PANEL **"BY PASS SWITCH"** AND ON CEILING GRID BELOW SWITCH **"BY-PASS SWITCH ABOVE"**, AS WELL AS THE BY-PASS SWITCH MOUNTED ON CLASSROOM CONTROL PANEL OR ON WALL **"BY-PASS SWITCH"**. PROVIDE ADDITIONAL SINGLE POLE DOUBLE THROW LIGHT SWITCH AND SINGLE POLE KEY SWITCH, AS DESCRIBED ABOVE, FOR EACH ROOM CONTROLLER THAT HAVE EMERGENCY LIGHT CIRCUIT IN ADDITION TO NORMAL CIRCUIT. ADJUST ALL COMPONENTS TO SUIT. REFER TO DETAIL #2 ON DRAWING E5 FOR WIRING SCHEMATIC DIAGRAM.
14. PROVIDE THREE (3) 3-WAY KEY OPERATED SWITCHES AS FOLLOWS:
   - ONE TO CONTROL CO-LAB ZONE #202, CORRIDOR #206 & #216 LIGHTS ON CCT.# 2LB-1
   - ONE TO CONTROL CO-LAB ZONE #202, CORRIDOR #206 & #216 LIGHTS ON CCT.# 2LB-3
   - ONE TO CONTROL CO-LAB ZONE #202, CORRIDOR #206 & #216 LIGHTS ON CCT.# 2EL-3

   KEY SWITCHES SHALL REMAIN 'ON' POSITION AT ALL TIME TO ALLOW B.M.S. & SECURITY CONTROL FOR ALL CORRIDOR LIGHTING.
15. FOR CLASSROOM CONTROLLER, PROVIDE SINGLE POLE DOUBLE THROW LIGHT SWITCH (WALL MOUNTED IN ACCESSIBLE CEILING SPACE ABOVE WALLSTATIONS/CLASSROOM CONTROL PANEL) AND DOUBLE POLE SINGLE THROW KEY SWITCH(ES) RECESS MOUNTED ON THE WALL/CLASSROOM CONTROL PANEL (WHERE APPLICABLE). THESE SWITCHES SHALL OVERRIDE RESPECTIVE ROOM CONTROLLER USED FOR 120V LIGHTING IN THE RESPECTIVE ROOM(S)/SPACE(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH LOCATED ABOVE WALL STATIONS/CLASSROOM CONTROL PANEL **"BY PASS SWITCH"** AND ON CEILING GRID BELOW SWITCH **"BY-PASS SWITCH ABOVE"**, AS WELL AS THE BY-PASS SWITCH MOUNTED ON CLASSROOM CONTROL PANEL OR ON WALL **"BY-PASS SWITCH"**. PROVIDE ADDITIONAL SINGLE POLE DOUBLE THROW LIGHT SWITCH AND SINGLE POLE KEY SWITCH, AS DESCRIBED ABOVE, FOR EACH ROOM CONTROLLER THAT HAVE EMERGENCY LIGHT CIRCUIT IN ADDITION TO NORMAL CIRCUIT. ADJUST ALL COMPONENTS TO SUIT. REFER TO DETAIL #2 ON DRAWING E5 FOR WIRING SCHEMATIC DIAGRAM.
16. FOR EXACT LOCATION OF ALL LIGHT FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
17. COORDINATE LOCATION OF LIGHTING FIXTURES WITH MECHANICAL CONTRACTOR.
18. ALL WALL MOUNTED LV DIMMING SWITCH(ES) SHALL BE COMPLETE WITH OUTLET BOX(ES) AND CONDUIT(S) TERMINATED IN ACCESSIBLE CEILING SPACE.
19. PROVIDE DIGITAL WALL TIMER SWITCH, EATON, CAT.# TSW-MV, WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN PRESET TIME (ON INTERVAL [2HRS]) ELAPSES. SWITCH FEATURES COUNT-DOWN TIME AND PERCENT TIME REMAINING BAR GRAPH DISPLAY, FLICKER OF LIGHTS AND/OR BEEP WARNING 2 MINUTES BEFORE COUNT-DOWN TIME EXPIRES. HOLDING IN THE PUSHBUTTON FOR 1 TO 2 SECONDS WHILE THE LIGHTS ARE ON WILL RESET THE TIMER TO ITS ORIGINAL PRESET INTERVAL.
20. TIME OFF DELAY (TOD) FOR ALL OCCUPANCY SENSORS SHALL BE SET TO 20 MINUTES FOR ALL AREAS TO SUIT ASHRAE REQUIREMENTS.
21. TO ROOM CONTROLLER OF THIS ROOM FOR POWER PACKS ON CCTS.#1LB-11,13 LIGHT SENSOR TO CONTROL BOTH PRIMARY SIDE LIGHTING & SECONDARY SIDE LIGHTING ZONE(S)/AREA(S).
22. PROVIDE OCCUPANCY SENSOR EATON, CAT.# OXC-P-2MHO-R, FOR THIS ROOM.
23. CONNECT TO POWER PACK ON CCT.#1LB-11, CONTROLLED BY ROOM CONTROLLER ON CCT.#1LB-11, LOCATED IN LEARNING COMMONS WORKROOM #114 CEILING SPACE.
24. CONNECT TO POWER PACK ON CCT.#1LB-10, CONTROLLED BY ROOM CONTROLLER ON CCT.#1LB-11, LOCATED IN LEARNING COMMONS WORKROOM #114 CEILING SPACE.
25. CONNECT TO ASSOCIATED ROOM CONTROLLER ON CCT.#1LB-9, 1EL-10 LOCATED IN LEARNING COMMONS WORKROOM #114 CEILING SPACE.
26. ALL RJ45 QUICK CONNECT CABLES FROM OCCUPANCY SENSOR(S) AND DIMMING SWITCH(ES) TO RESPECTIVE CONTROLLER(S) SHALL BE INSTALLED IN CONDUIT. FREE AIR INSTALLATION OF RJ45 QUICK CONNECT CABLES IN THIS AREA WILL NOT BE ACCEPTABLE.
27. ALL 0-10V LOW VOLTAGE DIMMING WIRING FROM ROOM CONTROLLERS TO RESPECTIVE LIGHT FIXTURES SHALL BE INSTALLED IN CONDUIT. FREE AIR INSTALLATION OF 0-10V LOW VOLTAGE DIMMING WIRING IN THIS AREA WILL NOT BE ACCEPTABLE.
28. CONNECT TO POWER PACK ON CCT.#1LB-13, CONTROLLED BY ROOM CONTROLLER ON CCT.#1LB-11, LOCATED IN LEARNING COMMONS WORKROOM #114 CEILING SPACE.
29. CONNECT TO ASSOCIATED ROOM CONTROLLER ON CCT.#1LB-9, 1EL-10 LOCATED IN LEARNING COMMONS WORKROOM #114 CEILING SPACE.
30. TYPE 'LA' LIGHT FIXTURE MOUNTING HEIGHT IS 6500mm A.F.F. TO THE BOTTOM OF THE FIXTURE ABOVE SECOND FLOOR CORRIDOR WINDOWS AND FLUSH WITH BOTTOM OF HVAC DUCTS IN STUDENT FORUM.
31. FOR DRYWALL CEILING, JUNCTION BOX/CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE. TERMINATION OF JUNCTION BOX/CONDUITS IN DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
32. SUSPENDED LINEAR LIGHT FIXTURES ARE TO BE SUSPENDED SUCH THAT THE BOTTOM OF THE LENS IS FLUSH WITH THE BOTTOM OF THE ADJACENT WOOD SLAT CEILING. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH-INS.



NOTES:

1. SMOKE DETECTOR TO BE MOUNTED AT MAXIMUM 1500mm AWAY FROM THE DAMPER.
2. UPON INITIATION OF DETECTOR OR ANY FIRE ALARM, ALL SMOKE DAMPERS SHALL CLOSE AND SHUT DOWN ALL AIR HANDLING UNITS AND ASSOCIATED EXHAUST FANS.
3. REFER TO FIRE ALARM RISER DIAGRAM AND PLANS FOR ZONING.
4. PROVIDE ALL POWER AND FIRE ALARM WIRING TO DEVICES.

3 E4 **TYP. INSTALLATION OF SMOKE DAMPER CONNECTION**
SCALE: N.T.S.

NOTES: (REFER TO DRAWING E6 ELECTRICAL GROUND FLOOR POWER LAYOUT)

1. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
2. FOR EXACT LOCATION OF ALL AHU UNITS, PUMPS, FANS, MOTORS, HEATERS ETC. SEE MECHANICAL DRAWINGS.
3. ALL RECEPTACLES IF LOCATED FARTHER THAN 30000mm FROM THE RESPECTIVE ELECTRICAL PANEL'S SHALL BE WIRED WITH #10 AWG AND FARTHER THAN 60000mm SHALL BE WIRED WITH #8 AWG.
4. EXACT LOCATION FOR ALL RECEPTACLES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
5. CONDUITS FOR P.A. /TELEPHONE AND DATA WIRING SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE.
6. PROVIDE WALL MOUNTED DOUBLE GANG OUTLET BOX (LOCATED NEXT TO DRYER OUTLET) FOR AMP SENSOR. THE AMP SENSOR SHALL BE SUPPLIED BY MECHANICAL DIVISION AND INSTALLED/WIRED BY ELECTRICAL DIVISION. THE AMP SENSOR SHALL TURN ON DRYER BOOSTER FAN WHEN DRYER IS WORKING AND TURN FAN OFF WHEN DRYER IS NOT WORKING.
7. EMERGENCY PUSH BUTTON (RED MUSHROOM TYPE) FOR SHUT-OFF OF ELECTRICAL PANEL SHALL BE CONNECTED TO CORRESPONDING PANEL WHERE SHOWN.
8. CLOCKS IN GYM SHALL BE MOUNTED AT 3200mm A.F.F. COORDINATE WITH ARCHITECTURAL ELEVATION DRAWINGS.
9. FLUSH WALL MOUTED OUTLET BOX FOR P.A. EQUIPMENT 41mmEC TO CORRIDOR CABLE TRAY (FOR P.A. WIRING). EXACT LOCATION SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
10. FOR GROUNDING OF DUST COLLECTOR ELECTRICAL CONTRACTOR SHALL PROVIDE #6 GREEN INSULATED COPPER GROUND WIRE IN 27mmC. CONNECT ONE END TO BUILDING GROUND SYSTEM IN GROUND FLOOR MAIN ELECTRICAL ROOM AND ONE END TO DUST COLLECTOR FILTER SECTION. (ALL DUST COLLECTOR PARTS ARE ALREADY BONDED TO DUST COLLECTOR FILTER SECTION). INSTALLATION OF COMPONENTS FOR DUST COLLECTOR (i.e. CONDUITS, WIRING, FITTINGS, ETC.) SHALL SUIT OESC CLASSIFICATION (DUST COLLECTOR ROOM CLASSIFICATION II/DIVISION 2 AND DUST COLLECTOR SYSTEM CLASS II/DIVISION 1). PROVIDE ALL ASSOCIATED COMPONENTS AND ADJUST TO SUIT.
11. OUTLET BOXES FOR HORN & STROBE FOR LOCK DOWN PROCEDURE (SUPPLIED AND INSTALLED BY OTHERS) COMPLETE WITH ASSOCIATED 16mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. SEE DET. #2 ON DWG. E13.
12. PROVIDE ASSISTIVE LISTENING SYSTEM EQUIPMENT INCLUD

REFER TO DRAWING E4 FOR NOTES

TRUE NORTH

PROJECT NORTH

TO ROOM CONTROLLER OF THIS ROOM

WALL MOUNTED LOW VOLTAGE, 0-10V, DIMMER SWITCH W/ACTUATORS CONTROLS SENSOR SWITCH ON LIGHTSBOARD WH.

PA SPEAKER BACKBOX CAT.#TEL-H-20 C/W RAILS CAT.#TEL-CC-1

SEE DETAIL #1D ON DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. TYPICAL FOR ALL ROOM(S) WITH ONE (1) ROOM CONTROLLER. **ONE (1) NORMAL CIRCUIT & ONE (1) EMERGENCY CIRCUIT.**

EXTERIOR WALL MOUNTED LIGHT FIXTURES SHALL BE COMPLETE WITH MINIMUM 5/16" DRILL SIZE 1 1/4" LENGTH ZINC ALLOY/LAC SHIELD ANCHORS WITH MINIMUM 1 1/2" SCREWS FOR ADDITIONAL SUPPORT OF THE FIXTURES (TOTAL OF 4 PER FIXTURE). TYPICAL

SEE DETAIL #1A ON DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. TYPICAL FOR ALL ROOM(S) WITH ONE (1) ROOM CONTROLLER & ONE (1) CIRCUIT.

SEE DETAIL #1C ON DWG. E18 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS.

SEE DETAIL #1C ON DRAWING E17 FOR GYMNASIUM ROOM CONTROLLER(S) SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS

FOR STUDENT FORUM #116 LIGHT FIXTURES CONTROL SEE DETAIL #1E ON DWG. E17 AND DETAIL #1A ON DWG. E18 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. TYPICAL FOR ALL ROOM(S) WITH TWO (2) ROOM CONTROLLERS. **TWO (2) NORMAL CIRCUITS & TWO (2) EMERGENCY CIRCUIT AND IN RESPONSE TO BUILDING MANAGEMENT INPUT SIGNAL.**

SEE DETAIL #1B ON DWG. E17 AND DETAIL #1B ON DWG. E18 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. TYPICAL FOR ALL ROOM(S) WITH TWO (2) ROOM CONTROLLERS. **ONE (1) NORMAL CIRCUIT & ONE (1) EMERGENCY CIRCUIT**

1 / E5 **GROUND FLOOR LIGHTING LAYOUT**
SCALE: 1:100

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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
T. MOZAFFAR
100035724
LIMITED
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 263
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL GROUND FLOOR LIGHTING LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E5
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

REFER TO DRAWING E4 FOR NOTES

JUNCTION/PULL BOXES LOCATED IN CEILING SPACE (TYPICAL FOR 6)

RUN 4–103mm PVC EMPTY CONDUITS (FOR POWER) FROM JUNCTION BOXES IN CEILING SPACE DOWN THROUGH THE CHASE, THEN RUN UNDERGROUND 45° AND TERMINATE IN PULL BOXES INSIDE BUNKER FOR PORTABLES AND FUTURE USE.

RUN 4–53mm PVC EMPTY CONDUITS (FOR F.A., SECURITY, P.A./TEL. & COMPUTER) FROM JUNCTION BOXES IN CEILING SPACE DOWN THROUGH THE CHASE, THEN RUN UNDERGROUND 45° AND TERMINATE IN PULL BOXES INSIDE BUNKER FOR FUTURE PORTABLES.

RUN 4–103mm EMPTY CONDUITS (FOR POWER) IN CEILING SPACE AND TERMINATE IN POWER PANEL. PP–O LOCATED IN ELECTRICAL ROOM #128 JUNCTION BOXES FOR PORTABLES/FUTURE USE.

RUN 4–53mm EMPTY CONDUITS IN CEILING SPACE (SEE NOTE #1, THIS DWG.)

NOTES:

1. PROVIDE EMPTY CONDUITS IN CEILING SPACE AS FOLLOWS:
   - 1–53mm TO MAIN SECURITY PANEL FOR FUTURE SECURITY WIRING TO PORTABLES
   - 1–53mm TO CABLE TRAY FOR FUTURE P.A./TEL. WIRING TO PORTABLES
   - 1–53mm TO MAIN LAN ROOM #162 FOR FUTURE COMPUTER WIRING TO PORTABLES
   - 1–53mm TO MAIN F.A. CONTROL PANEL FOR FUTURE F.A. WIRING TO PORTABLES

PROVIDE LAMACOID LABELS ON BOTH ENDS OF EMPTY CONDUITS "FOR FUTURE PORTABLES" FOR ALL EMPTY CONDUITS IN CEILING SPACE AND T–BAR GRID BELOW.

SEE NOTE #15 CCT.#1EMA–3
SEE NOTE #27 (TYPICAL)
SEE NOTE #40
SEE NOTE #26 (TYPICAL)
SEE NOTE #28 CCT.#1EMA–3
"PUSH TO LOCK" BUTTON
SEE NOTE #42 & DETAIL #5 ON DWG. E3
SEE DETAIL #5 ON DRAWING E3 FOR OUTLET BOX(ES), CONDUIT(S) ROUGH–IN AND WIRING (TYPICAL).

4 E6 PART OF SEMINAR ROOM no.171

SCALE: N.T.S.

1 1/4"C C/W FISH WIRE FROM METER ENCLOSURE TO PP–O UTILITY COMPARTMENT

3/4" E.C. FROM METER ENCLOSURE TO MAIN TELEPHONE BACKBOARD IN LAN ROOM 162.

2 E6 BF WR no.306

SCALE: 1:100

1 E6 ELECTRICAL RM no.128

SCALE: 1:100

3 E6 UNIVERSAL W/R no.125

SCALE: 1:100

1 E6 GROUND FLOOR POWER LAYOUT

SCALE: 1:100

SEE DWG. E16 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. (TYPICAL)

TRUE NORTH
PROJECT NORTH

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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LICENSED PROFESSIONAL ENGINEER — J. MOZAFARI — 100035724 — June 17, 2026 — PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
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ELECTRICAL GROUND FLOOR POWER LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Wilson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN. 17, 2026	
DRAWN: R.R.	DRAWING: E6
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

REFER TO DRAWING E4 FOR NOTES

TRUE NORTH

PROJECT NORTH

SEE DETAIL #1B ON DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS, TYPICAL FOR ALL ROOM(S) WITH TWO (2) ROOM CONTROLLERS, **ONE (1) NORMAL CIRCUIT & ONE (1) EMERGENCY CIRCUIT.**

SEE DETAIL #1D ON DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS, TYPICAL FOR ALL ROOM(S) WITH ONE (1) ROOM CONTROLLER, **ONE (1) NORMAL CIRCUIT & ONE (1) EMERGENCY CIRCUIT.**

FOR STAIR A LIGHT FIXTURES CONTROL SEE DETAIL #1D ON DWG. E17 AND DETAIL #1A ON DWG. E16 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS, TYPICAL FOR ALL ROOM(S) WITH ONE (1) ROOM CONTROLLER, **ONE (1) NORMAL CIRCUIT & ONE (1) EMERGENCY CIRCUIT AND IN RESPONSE TO BUILDING MANAGEMENT INPUT SIGNAL.**

SEE DETAIL #1A ON DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS, TYPICAL FOR ALL ROOM(S) WITH ONE (1) ROOM CONTROLLER & ONE (1) CIRCUIT.

1 / E7 **SECOND FLOOR LIGHTING LAYOUT**
SCALE: 1:100

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
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2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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LICENSED PROFESSIONAL ENGINEER T. MOZAFFAR 100035724 June 17, 2026 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

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TOWN OF CALEDON
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ELECTRICAL SECOND FLOOR LIGHTING LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Wilson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE	AS SHOWN
DATE	JUN.17, 2026
DRAWN	R.R.
CHECKED	R.R.
PROJECT	24112
DRAWING	E7
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

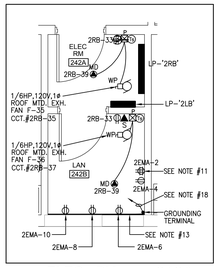
EQUIP. SCHEDULE FOR STAC CLASSROOM £212

ITEM NO.	DESCRIPTION	POWER REQ.	CCT. NO.	WIRING
(1)	DRILL PRESS	12.5A,120V,1ø	2ST-3	2#12-21mmC
(2)	TABLE SANDER	2.5A,120V,1ø	2ST-5	2#12-21mmC
(3)	DISC/BELT SANDER	10.0A,120V,1ø	2ST-7	2#12-21mmC
(4)	SCROLL SAW	1.3A,120V,1ø	2ST-9	2#12-21mmC
(5)	BAND SAW	7.5A,120V,1ø	2ST-11	2#12-21mmC
(6)	SCROLL SAW LIGHT	15A,120V,1ø	2ST-13	2#12-21mmC

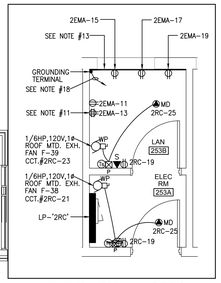
NOTES:
- EXACT LOCATION OF EQUIPMENT WITHIN THE ROOM SHALL BE DETERMINED AT LATER DATE.
- PROVIDE LAMICOIDE LABEL ABOVE RECEPTACLES COVER PLATE.
- INCLUDE IN CONTRACT REMOVAL OF STAC MACHINE PLUGS AND INSTALLATION/CONNECTION/TESTING OF NEW MALE TWIST LOCK TYPE PLUG TO SUIT WALL MOUNTED FEMALE TWIST LOCK RECEPTACLES.
- CONNECTION TO EQUIPMENTS/START-STOP SHALL BE BY DIV.26, COORDINATE PROJECT PHASE SCHEDULE.

REFER TO DRAWING E4 FOR NOTES

SEE DWG. E17 FOR ROOM CONTROLLER SCHEMATIC WIRING DIAGRAM COMPLETE WITH ALL ASSOCIATED COMPONENTS. (TYPICAL)



2 ELEC. RM. no. 242A AND LAN no.242B
E8 SCALE: 1:50



3 ELEC. RM. no.253A AND LAN no.253B
E8 SCALE: 1:50

TRUE NORTH
PROJECT NORTH

BOILER ROOM NO.248 EQUIPMENT SCHEDULE

ITEM NO.	DESCRIPTION	POWER REQUIREMENTS	CCT. NO.	WIRING
(1)	HOT WATER HEATING PUMP P-1	7.5HP,600V,3ø	LPEM-1/3/5	3#12-16mmC
(2)	HOT WATER HEATING PUMP P-2	7.5HP,600V,3ø	LPEM-7/9/11	3#12-16mmC
(3)	HEATING GLYCOL PUMP P-3	7.5HP,600V,3ø	LPEM-13/15/17	3#12-16mmC
(4)	HEATING GLYCOL PUMP P-4	7.5HP,600V,3ø	LPEM-19/21/23	3#12-16mmC
(5)	HEATING BOILER B-1	15.5A,208V,1ø	2EMA-24/26	2#12-16mmC
(6)	HEATING BOILER B-2	15.5A,208V,1ø	2EMA-28/30	2#12-16mmC
(7)	HOT WATER TANK	15A,120V,1ø	2M-9	2#12-16mmC
(8)	HOT WATER TANK	15A,120V,1ø	2M-11	2#12-16mmC
(9)	OUTLET FOR HOT WATER TEMPERATURE ALARM SYSTEM	15A,120V,1ø	2EMA-14	2#12-16mmC
(10)	FLOW METER	15A, 120V, 1ø	2EMA-16	2#12-16mmC
(11)	RECIRCULATING PUMP	1/6HP,120V,1ø	2M-13	2#12-16mmC
(12)	RECIRCULATING PUMP	1/6HP,120V,1ø	2M-15	2#12-16mmC
(13)	GLYCOL MIXING TANK	15A,120V,1ø	2EMA-20	2#12-16mmC
(14)	OUTLET FOR EMS CONTROL PANEL	15A,120V,1ø	2EMA-18	2#12-16mmC
(15)	HORIZONTAL UNIT HEATER	1/6HP,120V,1ø	2EMA-22	2#12-16mmC
(16)	ELECTRONIC MIXING VALVE	15A, 120V, 1ø	2M-36	2#12-16mmC

MECHANICAL ROOM NO.247 EQUIPMENT SCHEDULE

ITEM NO.	DESCRIPTION	POWER REQUIREMENTS	CCT. NO.	WIRING
(1)	AIR HANDLING UNIT AHU-1 SUPPLY FAN	15HP,600V,3ø	PPM-2	3#10-21mmC
(2)	AIR HANDLING UNIT AHU-1 RETURN FAN	10HP,600V,3ø	PPM-3	3#10-21mmC
(3)	HEAT RECLAIM WHEEL (AHU-1)	1/2HP,600V,3ø	PPM-4	3#12-16mmC
(4)	AHU-1 LIGHTS	15A,120V,1ø	2M-6	2#12-16mmC
(5)	AIR HANDLING UNIT AHU-2 SUPPLY FAN	25HP,600V,3ø	PPM-5	3#6-27mmC
(6)	AIR HANDLING UNIT AHU-2 RETURN FAN	20HP,600V,3ø	PPM-6	3#6-27mmC
(7)	HEAT RECLAIM WHEEL (AHU-2)	1/2HP,600V,3ø	PPM-7	3#12-16mmC
(8)	AHU-2 LIGHTS	15A,120V,1ø	2M-6	2#12-16mmC
(9)	AIR HANDLING UNIT AHU-3 SUPPLY FAN	10HP,600V,3ø	LPEM-2/4/6	3#10-21mmC
(10)	AIR HANDLING UNIT AHU-3 RETURN FAN	7.5HP,600V,3ø	LPEM-8/10/12	3#12-21mmC
(11)	HEAT RECLAIM WHEEL (AHU-3)	1/4HP,600V,3ø	2EMA-38/40/42	3#12-16mmC
(12)	AHU-3 LIGHTS	15A,120V,1ø	2M-6	2#12-16mmC
(13)	EXHAUST FAN F-20 (ROOF MOUNTED)	1/4HP,120V,1ø	2M-8	2#12-16mmC
(14)	EXHAUST FAN F-21 (ROOF MOUNTED)	1/4HP,120V,1ø	2M-10	2#12-16mmC
(15)	EXHAUST FAN F-40 (ROOF MOUNTED)	1/2HP,120V,1ø	2M-12	2#10-21mmC
(16)	AIR SANITIZATION UNIT UVA-1-1 TO UVA-1-6 (S/A DUCT AHU-1)	6-300W,120V,1ø	2M-24,26	6-2#12-16mmC
(17)	AIR SANITIZATION UNIT UVA-3-1, UVA-3-3 (S/A DUCT AHU-3)	3-300W,120V,1ø	2EMA-25	3-2#12-16mmC

1 E8 **SECOND FLOOR POWER LAYOUT**
SCALE: 1:100

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
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LICENSED PROFESSIONAL ENGINEER — T. MOZAFFAR — 100035724 — JUNE 17, 2026 — Project# 24036 — PROVINCE OF ONTARIO

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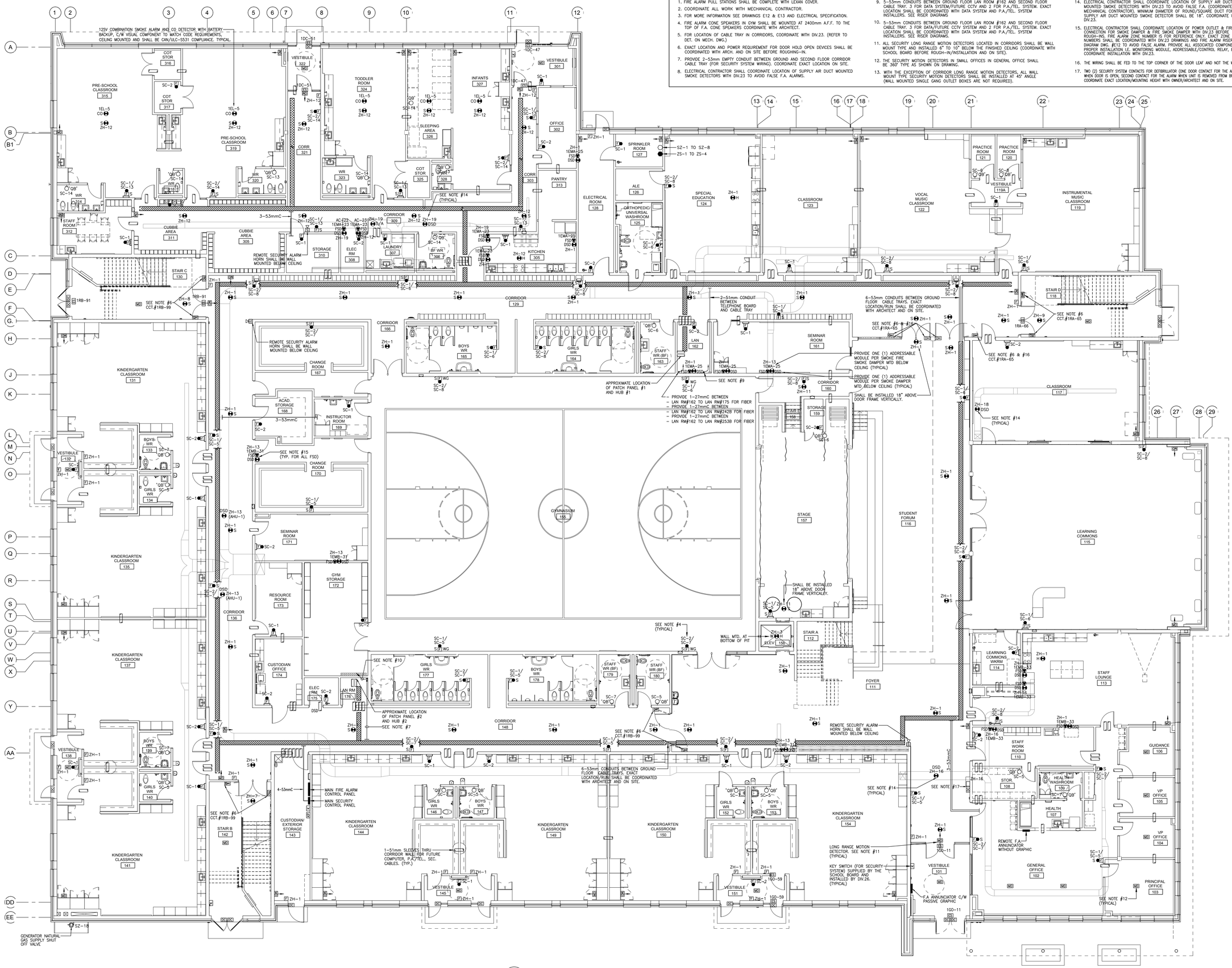
ELECTRICAL
SECOND FLOOR
POWER LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE	AS SHOWN
DATE	JUN.17, 2026
DRAWN	R.R.
CHECKED	R.R.
PROJECT	24112
DRAWING	E8
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036



NOTES :

1. FIRE ALARM PULL STATIONS SHALL BE COMPLETE WITH LEXAN COVER.
2. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
3. FOR MORE INFORMATION SEE DRAWINGS E12 & E13 AND ELECTRICAL SPECIFICATION.
4. FIRE ALARM CONE SPEAKERS IN GYM SHALL BE MOUNTED AT 2400mm A.F.F. TO THE TOP OF F.A. CONE SPEAKERS COORDINATE WITH ARCHITECT.
5. FOR LOCATION OF CABLE TRAY IN CORRIDORS, COORDINATE WITH DIV.23. (REFER TO DET. ON MECH. DWG.)
6. EXACT LOCATION AND POWER REQUIREMENT FOR DOOR HOLD OPEN DEVICES SHALL BE COORDINATED WITH ARCH. AND ON SITE BEFORE ROUGHING-IN.
7. PROVIDE 2-53mm EMPTY CONDUIT BETWEEN GROUND AND SECOND FLOOR CORRIDOR CABLE TRAY (FOR SECURITY SYSTEM WIRING). COORDINATE EXACT LOCATION ON SITE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DIV.23 TO AVOID FALSE F.A. ALARMS.
9. 5-53mm CONDUITS BETWEEN GROUND FLOOR LAN ROOM #162 AND SECOND FLOOR CABLE TRAY. 3 FOR DATA SYSTEM/FUTURE CCTV AND 2 FOR P.A./TEL. SYSTEM. EXACT LOCATION SHALL BE COORDINATED WITH DATA SYSTEM AND P.A./TEL. SYSTEM INSTALLERS. SEE RISER DIAGRAMS.
10. 5-53mm CONDUITS BETWEEN GROUND FLOOR LAN ROOM #162 AND SECOND FLOOR CABLE TRAY. 3 FOR DATA/FUTURE CCTV SYSTEM AND 2 FOR P.A./TEL. SYSTEM. EXACT LOCATION SHALL BE COORDINATED WITH DATA SYSTEM AND P.A./TEL. SYSTEM INSTALLERS. SEE RISER DIAGRAMS.
11. ALL SECURITY LONG RANGE MOTION DETECTORS LOCATED IN CORRIDORS SHALL BE WALL MOUNT TYPE AND INSTALLED 6" TO 10" BELOW THE FINISHED CEILING (COORDINATE WITH SCHOOL BOARD BEFORE ROUGH-IN/INSTALLATION AND ON SITE).
12. THE SECURITY MOTION DETECTORS IN SMALL OFFICES IN GENERAL OFFICE SHALL BE 360° TYPE AS SHOWN ON DRAWING.
13. WITH THE EXCEPTION OF CORRIDOR LONG RANGE MOTION DETECTORS, ALL WALL MOUNT TYPE SECURITY MOTION DETECTORS SHALL BE INSTALLED AT 45° ANGLE (WALL MOUNTED SINGLE GANG OUTLET BOXES ARE NOT REQUIRED).
14. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DIV.23 TO AVOID FALSE F.A. (COORDINATE WITH MECHANICAL CONTRACTOR). MINIMUM DIAMETER OF ROUND/SQUARE DUCT FOR SUPPLY AIR DUCT MOUNTED SMOKE DETECTOR SHALL BE 18". COORDINATE WITH DIV.23.
15. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF POWER OUTLET & FIRE ALARM CONNECTION FOR SMOKE DAMPER & FIRE SMOKE DAMPER WITH DIV.23 BEFORE ROUGH-INS. FIRE ALARM ZONE NUMBER IS FOR REFERENCE ONLY. EXACT ZONE NUMBERS SHALL BE COORDINATED WITH DIV.23 DRAWINGS AND FIRE ALARM RISER DIAGRAM DWG. #E12 TO AVOID FALSE ALARM. PROVIDE ALL ASSOCIATED COMPONENTS FOR PROPER INSTALLATION I.E. MONITORING MODULE, ADDRESSABLE/CONTROL RELAY, ETC. COORDINATE INSTALLATION WITH DIV.23.
16. THE WIRING SHALL BE FED TO THE TOP CORNER OF THE DOOR LEAF AND NOT THE WALL.
17. TWO (2) SECURITY SYSTEM CONTACTS FOR DEFIBRILLATOR (ONE DOOR CONTACT FOR THE ALARM WHEN DOOR IS OPEN, SECOND CONTACT FOR THE ALARM WHEN UNIT IS REMOVED FROM BRACKETS). COORDINATE EXACT LOCATION/MOUNTING HEIGHT WITH OWNER/ARCHITECT AND ON SITE.

1 / E9 GROUND FLOOR FIRE ALARM AND SECURITY LAYOUT
SCALE: 1:100

TRUE NORTH
PROJECT NORTH

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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LICENSED PROFESSIONAL ENGINEER
T. MOZAFFAR
100035724
June 17, 2026
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL GROUND FLOOR FIRE ALARM & SEC. LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E9
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

NOTES :

1. FIRE ALARM PULL STATIONS SHALL BE COMPLETE WITH LEXAN COVER.
2. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
3. FOR MORE INFORMATION SEE DRAWINGS E12 & E13 AND ELECTRICAL SPECIFICATION.
4. EXACT LOCATION AND POWER REQUIREMENT FOR DOOR HOLD OPEN DEVICES SHALL BE COORDINATED WITH ARCH. AND ON SITE BEFORE ROUGHING-IN.
5. FOR LOCATION OF CABLE TRAY IN CORRIDORS, COORDINATE WITH DIV.23. (REFER TO DET. ON MECH. DWG.)
6. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DIV.23 TO AVOID FALSE F.A. ALARMS.
7. 6-53mm CONDUITS BETWEEN GROUND FLOOR CABLE TRAY AND SECOND FLOOR LAN ROOM #2438. 4 FOR DATA/FUTURE CCTV SYSTEM AND 2 FOR P.A./TEL. SYSTEM. EXACT LOCATION SHALL BE COORDINATED WITH DATA SYSTEM AND P.A./TEL. SYSTEM INSTALLERS. SEE RISER DIAGRAMS
8. 6-53mm CONDUITS BETWEEN GROUND FLOOR CABLE TRAY AND SECOND FLOOR LAN ROOM #2538. 4 FOR DATA/FUTURE CCTV SYSTEM AND 2 FOR P.A./TEL. SYSTEM EXACT LOCATION SHALL BE COORDINATED WITH DATA SYSTEM AND P.A./TEL. SYSTEM INSTALLERS. SEE RISER DIAGRAMS
9. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DIV.23 TO AVOID FALSE F.A. (COORDINATE WITH MECHANICAL CONTRACTOR). MINIMUM DIAMETER OF ROUND/SQUARE DUCT FOR SUPPLY AIR DUCT MOUNTED SMOKE DETECTOR SHALL BE 18". COORDINATE WITH DIV.23.
10. ALL SECURITY LONG RANGE MOTION DETECTORS LOCATED IN CORRIDORS SHALL BE WALL MOUNT TYPE AND INSTALLED 6" TO 10" BELOW THE FINISHED CEILING (COORDINATE WITH THE SCHOOL BOARD BEFORE ROUGH-INS/INSTALLATION AND ON SITE).
11. WITH THE EXCEPTION OF CORRIDOR LONG RANGE MOTION DETECTORS, ALL WALL MOUNT TYPE SECURITY MOTION DETECTORS SHALL BE INSTALLED AT 45° ANGLE (WALL MOUNTED SINGLE GANG OUTLET BOXES ARE NOT REQUIRED).
12. CONNECT SPARK DETECTION CONTROL PANEL TO FIRE ALARM SYSTEM SUPERVISORY TROUBLE ZONE SZ-9 & SZ-10 SUCH THAT ACTIVATION OF SPARK DETECTION CONTROL PANEL SHALL PROVIDE A TROUBLE SIGNAL TO FIRE ALARM PANEL (ALARM AND TROUBLE SIGNALS).
13. THE WIRING SHALL BE FED TO THE TOP CORNER OF THE DOOR LEAF AND NOT THE WALL.
14. PROVIDE 2-53mm EMPTY CONDUIT BETWEEN GROUND AND SECOND FLOOR CORRIDOR CABLE TRAY (FOR SECURITY SYSTEM WIRING). COORDINATE EXACT LOCATION ON SITE.
15. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF POWER OUTLET & FIRE ALARM CONNECTION FOR SMOKE DAMPER WITH DIV.23 BEFORE ROUGH-INS. FIRE ALARM ZONE NUMBER IS FOR REFERENCE ONLY. EXACT ZONE NUMBERS SHALL BE COORDINATED WITH DIV.23 DRAWINGS AND FIRE ALARM RISER DIAGRAM DWG. #E12 TO AVOID FALSE ALARM. PROVIDE ALL ASSOCIATED COMPONENTS FOR PROPER INSTALLATION I.E. MONITORING MODULE, ADDRESSABLE/CONTROL RELAY, ETC. COORDINATE INSTALLATION WITH DIV.23.

1 / E10 **SECOND FLOOR FIRE ALARM AND SECURITY LAYOUT**
SCALE: 1:100

TRUE NORTH
PROJECT NORTH

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LICENSED PROFESSIONAL ENGINEER — R. MOZAFFARI — 100035724 — June 17, 2026 — PROVINCE OF ONTARIO

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ELECTRICAL
SECOND FLOOR
FIRE ALARM &
SEC. LAYOUT

PDSB TENDER # XXXXXXX-XXXX

rybka Eilard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE	AS SHOWN
PROJECT	24112
DATE	JUN. 17, 2026
DRAWN	R.R.
DRAWING	E10
CHECKED	R.R.
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036

NOTES: (RE-POWER)

1. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
2. FOR EXACT LOCATION OF ALL MECH. UNITS, PUMPS, FANS, MOTORS, HEATERS ETC. SEE MECHANICAL DRAWINGS.
3. ALL RECEPTACLES IF LOCATED FARTHER THAN 30000mm FROM THE RESPECTIVE ELECTRICAL PANEL'S SHALL BE WIRED WITH #10 AWG AND FARTHER THAN 60000mm SHALL BE WIRED WITH #8 AWG.
4. 15/20A, 120V COMBINATION WEATHERPROOF GFI DUPLEX RECEPTACLE MOUNTED NEAR THE UNIT COMPLETE WITH "IN USE" COVER AND LABEL "EXTRA DUTY" FOR MECHANICAL UNITS USE. SIMILAR TO HUBBELL CAT#MX3200. COORDINATE EXACT LOCATION ON SITE.
5. PROVIDE FREE STANDING (BOLTED TO THE FLOOR) UNISTRUT5/MOUNTING BRACKETS FOR INSTALLATION OF WEATHERPROOF DISCONNECT SWITCHES AND WEATHERPROOF GFI SERVICE DUPLEX RECEPTACLE. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR/CONSULTANT AND ON SITE.
6. DURING COMMISSIONING PROCESS OF AUTOMATIC TRANSFER SWITCHES AND GENERATOR, WEEKLY ENGINE EXERCISER FOR BOTH AUTOMATIC TRANSFER SWITCHES SHALL BE DISABLED. SCHOOL CUSTODIAN IS TO MANUALLY TEST THE GENERATOR ON A WEEKLY BASIS.
7. 15/20A, 120V COMBINATION WEATHERPROOF GFI DUPLEX RECEPTACLE COMPLETE WITH "IN USE" COVER AND LABEL "EXTRA DUTY". SIMILAR TO HUBBELL CAT#MX3200. COORDINATE EXACT LOCATION ON SITE.

NOTES: (RE-F.A.)

1. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
2. FOR MORE INFORMATION SEE DRAWING E12 AND ELECTRICAL SPECIFICATION.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DV.23 TO AVOID FALSE F.A. (COORDINATE WITH MECHANICAL CONTRACTOR). MINIMUM DIAMETER OF DUCT FOR SUPPLY AIR DUCT MOUNTED SMOKE DETECTOR SHALL BE 18". COORDINATE WITH DV.23.

SEE NOTE #4 (RE-POWER) CCT.#1DC-52
GFI WP WP
SEE NOTE #5 (RE-POWER)
33MCA,600V,3# ROOF TOP UNIT RTU-4 CCT.#DC-1/3/5 (3#8-27mmC)

SEE NOTE #4 (RE-POWER) CCT.#2M-4
SEE NOTE #5 (RE-POWER)
3.0HP, 600V, 3# ROOF MOUNTED ENERGY RECOVERY VENTILATOR UNIT ERV-2 CCT.#PPM-11 (3#12-16mmC)

SEE NOTE #4 (RE-POWER) CCT.#2M-4
SEE NOTE #5 (RE-POWER)
95MCA, 600V, 3# ROOF MOUNTED CONDENSING UNIT CU-AHU-2 CCT.#PPM-9 (3#1-35mmC)

SEE NOTE #4 (RE-POWER) CCT.#2RB-71
SEE NOTE #5 (RE-POWER)
17MCA,600V,3# ROOF TOP UNIT RTU-3 CCT.#PPM-14 (3#10-21mmC)

SEE NOTE #4 (RE-POWER) CCT.#2RC-54
SEE NOTE #5 (RE-POWER)
34MCA,600V,3# ROOF TOP UNIT RTU-2 CCT.#PPM-13 (3#8-27mmC)

59MCA, 600V, 3# ROOF MOUNTED CONDENSING UNIT CU-AHU-1 CCT.#PPM-8 (3#4-27mmC)
SEE NOTE #4 (RE-POWER) CCT.#2M-4
SEE NOTE #5 (RE-POWER)

SEE NOTE #7
2M-2 (GFI)
'HA' 2LA-10

3.0HP, 600V, 3# ROOF MOUNTED ENERGY RECOVERY VENTILATOR UNIT ERV-1 CCT.#PPM-10 (3#12-16mmC)
SEE NOTE #4 (RE-POWER) CCT.#2M-4
SEE NOTE #5 (RE-POWER)

SEE NOTE #4 (RE-POWER) CCT.#2RC-54
SEE NOTE #5 (RE-POWER)
23MCA,600V,3# ROOF TOP UNIT RTU-1 CCT.#PPM-12 (3#10-21mmC)

ALL FEEDERS AND CONDUITS/WIRING FROM GENERATOR SHALL BE RUN IN CORRIDOR CEILING SPACE. (BELOW GENERATOR) AND TERMINATED IN ASSOCIATED TRANSFER SWITCH, PANELS AND TROUBLE UNIT.

PROVIDE FRAME/BIRD SCREEN TO COVER ALL OPENINGS BETWEEN ROOF DECK AND EMERGENCY GENERATOR TO AVOID RODENTS, BIRDS, ETC. FROM ENTERING INTO EMERGENCY GENERATOR. COORDINATE SIZE OF THE FRAME/BIRD SCREEN WITH CONSULTANT, ARCH. AND ON SITE. PROVIDE ALL ASSOCIATED COMPONENTS FOR PROPER GENERATOR INSTALLATION. COORDINATE WITH MANUFACTURER.

GENERATOR HOT AIR EXHAUST GRILLE

SEE NOTE #6 (RE-POWER)

LOCATION OF 80kW, 600/347V, 3ø, 4W NATURAL GAS FIRED EMERGENCY GENERATOR

GENERATOR CONTROL PANEL (BUILT IN).

PROVIDE DRIP TRAY FOR OIL CONTAINMENT

APPROXIMATE LOCATION OF ROOF MOUNTED GENERATOR (SZ-12,13,14,15,19)

RUN 19mmEC AND TERMINATE IN CORRIDOR CABLE TRAY (FOR FUTURE CONNECTION OF GENERATOR CONTROL PANEL TO SCHOOL BOARD NETWORK)

60A, 208V, 1ø OUTLET BOX FOR CONNECTION OF GENERATOR LOAD CENTRE CCT.#2M-14/16 (3#6-27mmC). LOAD CENTRE SHALL BE PREWIRED BY MANUFACTURER TO FEED BUT NOT LIMITED TO THE FOLLOWING:
- OIL PAN (150W,120V,1ø)
- BATTERY CHARGER (10A,120V,1ø)
- BLOCK HEATER (1500W,120V,1ø)
- SPACE HEATER (2000W,208V,1ø)
- EMERGENCY LIGHTING PACK

1 / E11 **ROOF PLAN**
SCALE: 1:100

TRUE NORTH
PROJECT NORTH

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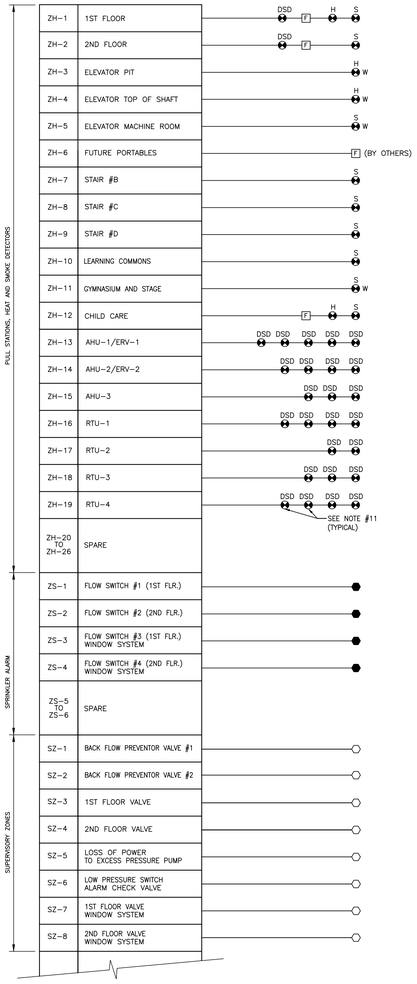
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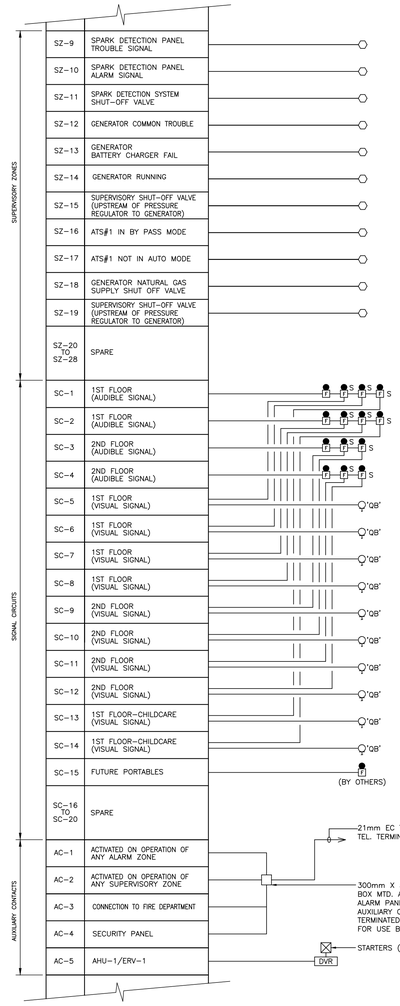
ELECTRICAL ROOF PLAN

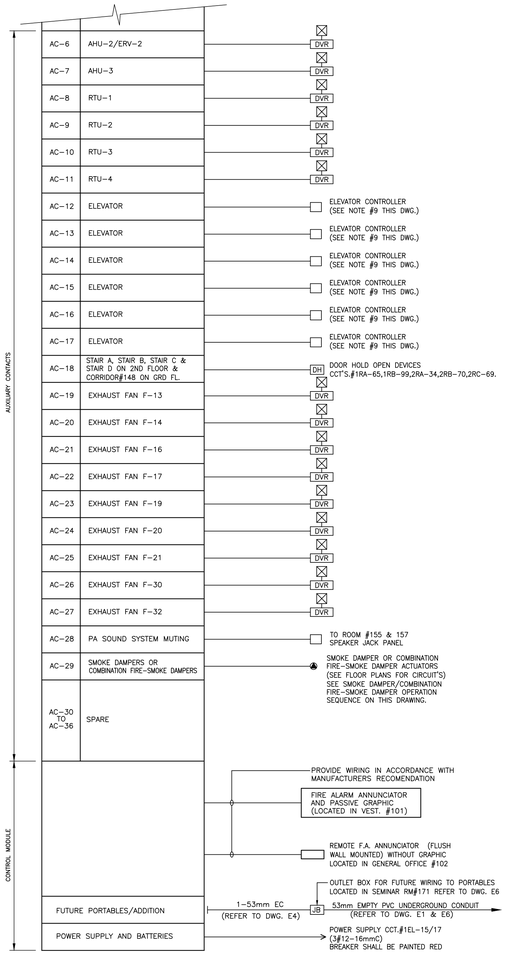
PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

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NOTES:

1. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND FIRE ALARM VERIFICATION OF ADDITIONAL 4 FIRE ALARM CONE SPEAKERS C/W 15,000mm OF CONDUIT/WIRING AND CONNECTION TO NEAREST FIRE ALARM CONE SPEAKER.
2. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND FIRE ALARM VERIFICATION OF ADDITIONAL 4 FIRE ALARM PULL STATIONS C/W 15,000mm OF CONDUIT/WIRING AND CONNECTION TO NEAREST FIRE ALARM PULL STATION/FIRE ALARM DETECTOR.
3. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND FIRE ALARM VERIFICATION OF ADDITIONAL 4 FIRE ALARM CONE SPEAKER/STROBE LIGHT COMBINATION C/W 15,000mm OF CONDUIT/ WIRING AND CONNECTION TO NEAREST FIRE ALARM CONE SPEAKER/STROBE LIGHT COMBINATION.
4. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL 6 FIRE ALARM SMOKE DETECTORS C/W 15,000mm OF CONDUIT/WIRING AND CONNECTION TO NEAREST FIRE ALARM SMOKE DETECTOR.
5. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND F.A. VERIFICATION OF ADDITIONAL 4 FIRE ALARM SMOKE DETECTORS MOUNTED IN SUPPLY DUCT, PILOT LIGHT, 15,000mm OF CONDUIT/ WIRING AND CONNECTION TO NEAREST FIRE ALARM SMOKE DETECTOR MOUNTED IN SUPPLY DUCT.
6. IN ACTUATION OF ANY FIRE ALARM ZONE, AUXILIARY CONTACTS AC-5 TO AC-11 SHALL BE ENERGIZED AND SHALL SHUT DOWN CORRESPONDING AIR HANDLING AND ROOF TOP UNITS.
7. IN ACTUATION OF ANY FIRE ALARM ZONE, AC-18 SHALL RELEASE DOOR HOLDERS AND CAUSE THE DOORS TO SHUT.
8. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND F.A. VERIFICATION OF ADDITIONAL 10 FIRE ALARM SMOKE DAMPERS/FIRE SMOKE DAMPERS & 10 POWER CONNECTIONS FOR SMOKE DAMPER/FIRE SMOKE DAMPER (MOUNTED IN ASSOCIATED DUCT) COMPLETE WITH 15,000MM OF CONDUIT/WIRING AND CONNECTION TO NEAREST ASSOCIATED FIRE ALARM ZONE/LIGHTING PANEL.
9. SMOKE/HEAT DETECTORS SHALL BE INSTALLED TO PROVIDE OUTPUTS FROM THE FIRE ALARM SYSTEM TO THE ELEVATOR CONTROLLER TO AUTOMATICALLY INITIATE PHASE 1 EMERGENCY RECALL OPERATION AND SHALL BE LOCATED IN:
   A) AT EACH FLOOR SERVED BY THE ELEVATOR.
   B) IN THE ELEVATOR TOP OF SHAFT
   C) IN ELEVATOR MACHINE ROOM
   D) IN ELEVATOR PIT
   THE INSTALLATION OF THESE DETECTORS SHALL BE IN CONFORMANCE WITH OBC AND ELEVATOR CODE B44-07 SECTION 2.27.3.2.2. PROVIDE FIVE (5) SEPARATE SIGNALS TO ELEVATOR CONTROLLER. ONE FROM THE MAIN RECALL LEVEL (AS DETERMINED BY ARCHITECT AND OWNER), ONE SIGNAL FROM ANY OTHER FLOOR LEVEL SERVED BY THE ELEVATOR, ONE FROM THE ELEVATOR PIT AND ONE FROM ELEVATOR SHAFT.
10. DVR RELAYS FOR AC-5 TO AC-11 SHALL BE C/W THE TIME DELAY PROVISIONS. (ROOF TOP UNITS AND AIR HANDLING UNITS CAN NOT START SIMULTANEOUSLY) COORDINATE WITH MECHANICAL CONTRACTOR. MEANWHILE, HVAC MACHINE AND EXHAUST FANS SHALL ALLOW FIRE/SMOKE DAMPERS FULLY OPEN BEFORE STARTING.)
11. CONNECT SMOKE DETECTOR/ACTUATOR FOR SMOKE DAMPER/FIRE SMOKE DAMPER TO THE FOLLOWING FIRE ALARM ZONE/POWER CIRCUIT AS SHOWN BELOW.
    A) AHU-1/ERV-1 CONNECT TO ZONE ZH-13/CCT'S.#2EMA-29;1EMB-33,35;1EMA-23.
    B) AHU-2/ERV-2 CONNECT TO ZONE ZH-14/CCT'S.#2EMA-31,33,35,37.
    C) AHU-3 CONNECT TO ZONE ZH-15/CCT'S.#2EMA-39;1EMA-29.
    D) RTU-1 CONNECT TO ZONE ZH-16/CCT'S.#1EMB-39.
    E) RTU-2 CONNECT TO ZONE ZH-17/CCT'S.#2EMA-41.
    F) RTU-3 CONNECT TO ZONE ZH-18/CCT'S.#2EMA-41.
    G) RTU-4 CONNECT TO ZONE ZH-19/CCT'S.#1EMA-31.
    H) GRD FL. CONNECT TO ZONE ZH-1/CCT'S.#1EMB-37;1EMA-25;27.
    J) 2ND FL. CONNECT TO ZONE ZH-2/CCT'S.#2EMA-37.

    INCLUDE IN CONTRACT ALL ASSOCIATED COMPONENTS FOR BUILT-IN SMOKE DETECTOR. PROVIDE ONE (1) ADDRESSABLE MODULE PER SMOKE DAMPER/FIRE SMOKE DAMPER, BASE, RELAY, ETC. FOR PROPER CONNECTION/MONITORING TO FIRE ALARM PANEL. COORDINATE ALL REQUIREMENTS/INSTALLATION WITH MANUFACTURER.
12. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF SUPPLY AIR DUCT MOUNTED SMOKE DETECTORS WITH DIV.23 TO AVOID FALSE F.A. ALARMS.
13. OBTAIN APPROVED FINAL ROOM NAMES AND NUMBERS AND ARCHITECTURAL DRAWINGS BEFORE ANY PROGRAMMING OF FIRE ALARM CONTROL PANEL OR ORDERING PASSIVE GRAPHICS AND MODIFY FIRE ALARM ANNUNCIATOR TO SUIT.
14. IN ACTUATION OF ANY FIRE ALARM ZONE/SMOKE DAMPER/FIRE SMOKE DAMPER BUILT-IN SMOKE DETECTOR, AUXILIARY CONTACTS AC-19 TO AC-27 SHALL BE ENERGIZED AND SHALL SHUT DOWN CORRESPONDING EXHAUST FANS AND CLOSE CORRESPONDING SMOKE/FIRE SMOKE DAMPER. PROVIDE ALL ASSOCIATED COMPONENTS TO SUIT I.E. CONTACTOR, RELAY, ETC. COORDINATE WITH MANUFACTURER/SUPPLIER.
15. ALL WIRING TO BE RUN IN CONDUITS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
16. FOR EXACT QUANTITY OF FIRE ALARM DEVICES, REFER TO FLOOR PLANS.
17. PROVIDE FIRE ALARM GRAPHIC DIGITAL COPY OF PDF/CAD FILE.
18. FOR MORE INFORMATION REFER TO THE ELECTRICAL SPECIFICATION.

FIRE ALARM SYSTEM OPERATION SEQUENCE:

1. ALARM CONDITION: ACTIVATION OF ANY ALARM INITIATING DEVICE SHALL CAUSE THE FOLLOWING TO OCCUR:
   - ALL AUDIBLE AND VISUAL ALARM DEVICES SHALL OPERATE THROUGHOUT THE ENTIRE SCHOOL FOR THE MANDATORY ALARM PERIOD BEFORE THEY MAY BE MANUALLY SILENCED AT THE MAIN FIRE ALARM CONTROL PANEL.
   - THE TYPE AND LOCATION OF THE INITIATING DEVICE SHALL BE DISPLAYED ON THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR AT THE MAIN ENTRANCE.
   - AN ALARM SIGNAL SHALL BE AUTOMATICALLY TRANSMITTED TO THE ULC-LISTED FIRE ALARM MONITORING STATION, WITH INDICATION PROVIDED ON THE ANNUNCIATOR.
   - OPERATION OF AUXILIARY CONTACTS SHALL OCCUR FOR CONTROL OF ASSOCIATED ANCILLARY FUNCTIONS.
   - ELEVATOR RECALL.
   - RELEASE OF MAGNETIC DOOR HOLDERS.
   - SHUTDOWN OF AIR-HANDLING UNITS.
   - CLOSURE OF SMOKE DAMPERS OR COMBINATION FIRE-SMOKE DAMPERS.
2. SUPERVISORY CONDITION: ACTIVATION OF ANY SUPERVISORY DEVICE SHALL CAUSE THE FOLLOWING TO OCCUR:
   - A DISTINCT SUPERVISORY AUDIBLE SIGNAL AND VISUAL INDICATOR SHALL ACTIVATE ON BOTH THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR.
   - THE TYPE AND LOC. OF THE SUPERVISORY CONDITION SHALL BE DISPLAYED ON THE CONTROL PANEL & ANNUNCIATOR.
3. TROUBLE CONDITION: ANY SYSTEM MALFUNCTION, INCLUDING OPEN CIRCUIT, GROUND FAULT, LOSS OF POWER, OR DEVICE FAILURE, ETC. SHALL CAUSE THE FOLLOWING TO OCCUR:
   - A DISTINCT TROUBLE AUDIBLE SIGNAL AND VISUAL INDICATOR SHALL ACTIVATE ON BOTH THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR.
   - THE AUDIBLE TROUBLE SIGNAL SHALL AUTOMATICALLY SILENCE UPON CORRECTION OF THE FAULT OR WHEN THE ACKNOWLEDGE FUNCTION IS OPERATED, IN ACCORDANCE WITH CAN/ULC-S524.

1 E12 **FIRE ALARM SYSTEM RISER DIAGRAM**
(F.A. CONTROL PANEL LOCATED IN CUSTODIAN/EXTERIOR STORAGE #143)

1ST FLOOR

2ND FLOOR

ROOF

2 E12 **KEY PLAN**
SCALE N.T.S.

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T. MOZAFFAR
100035724
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Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL
F.A. SYSTEM
RISER DIAGRAM

PDSB TENDER # XXXXXXX-XXXX

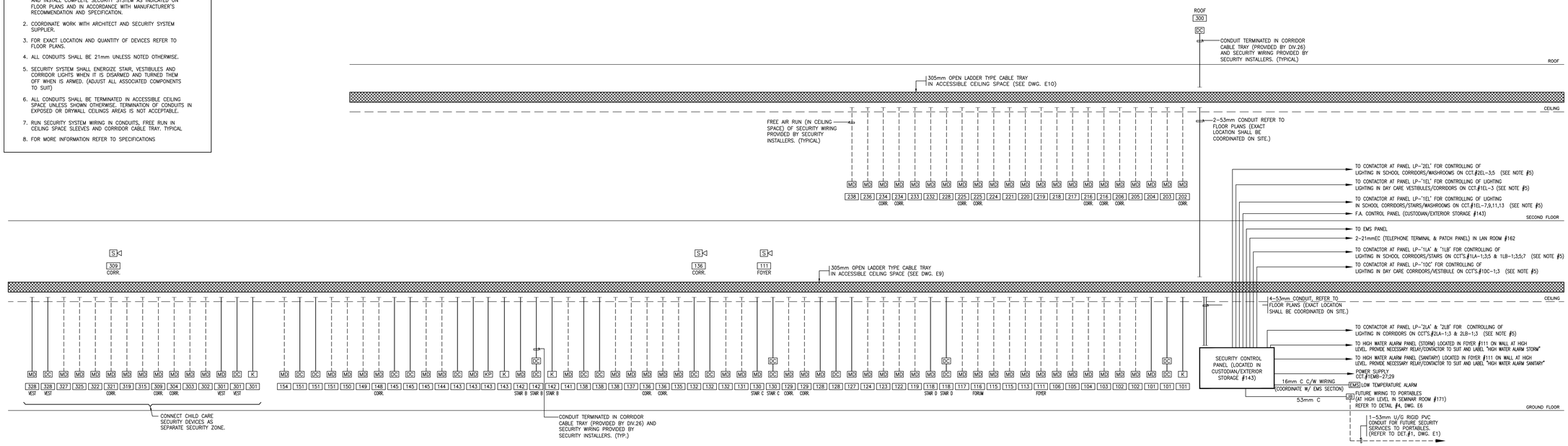
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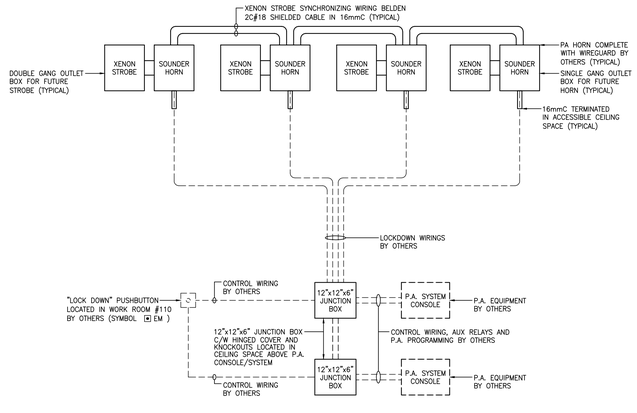
24036

NOTES :

1. PROVIDE CONDUIT, JUNCTION BOXES, OUTLET BOXES, CONDUITS, MOTION DETECTORS, DOOR CONTACTS, WIRING, MAIN PANEL, ETC. AND INSTALL COMPLETE SECURITY SYSTEM AS INDICATED ON FLOOR PLANS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SPECIFICATION.
2. COORDINATE WORK WITH ARCHITECT AND SECURITY SYSTEM SUPPLIER.
3. FOR EXACT LOCATION AND QUANTITY OF DEVICES REFER TO FLOOR PLANS.
4. ALL CONDUITS SHALL BE 21mm UNLESS NOTED OTHERWISE.
5. SECURITY SYSTEM SHALL ENERGIZE STAIR, VESTIBULES AND CORRIDOR LIGHTS WHEN IT IS DISARMED AND TURNED THEM OFF WHEN IS ARMED. (ADJUST ALL ASSOCIATED COMPONENTS TO SUIT)
6. ALL CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE UNLESS SHOWN OTHERWISE. TERMINATION OF CONDUITS IN EXPOSED OR DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
7. RUN SECURITY SYSTEM WIRING IN CONDUITS, FREE RUN IN CEILING SPACE SLEEVES AND CORRIDOR CABLE TRAY. TYPICAL
8. FOR MORE INFORMATION REFER TO SPECIFICATIONS



1 **SECURITY RISER DIAGRAM**
E13 SCALE N.T.S.



GYMNASIUM LOCKDOWN DETAIL

FOR LOCKDOWN PROCEDURE, DIV.26 SHALL DO THE FOLLOWING:

1. PROVIDE 12"x12"x6" JUNCTION BOX COMPLETE WITH HINGED COVER AND KNOCKOUTS LOCATED IN CEILING SPACE ABOVE P.A. CONSOLE AND SURFACE MOUNTED WIREMOLD FROM EXISTING P.A. CONSOLE TO 12"x12"x6" JUNCTION BOX.
2. PROVIDE WALL MOUNTED OUTLET BOXES FOR FUTURE LOCKDOWN HORN/STROBES IN GYMNASIUM #155, INSTRUMENTAL MUSIC CLASSROOM #119, VOCAL MUSIC CLASSROOM #122 & S.T.A.C. CLASSROOM #212 COMPLETE WITH ASSOCIATED 16mmEC TERMINATED IN ACCESSIBLE CEILING SPACE. LOCKDOWN HORN/STROBES, WIREGUARDS, ASSOCIATED WIRINGS, ETC. SHALL BE PROVIDED BY OTHERS.
3. OUTLET BOXES FOR LOCKDOWN HORNS/STROBES SHALL BE MOUNTED AT APPROXIMATELY 3600mm (6" APART) ABOVE FINISH FLOOR IN GYMNASIUM OR AS HIGH AS POSSIBLE IN ROOMS #119, 122 & #212 (FOR EXACT LOC. COORDINATE ON SITE).
4. TO BE SYNCHRONIZED, HORNS/STROBES SHALL BE INTERCONNECTED AND WIRED TOGETHER BY OTHERS. ALL STROBES IN GYMNASIUM SHALL BE CONNECTED WITH SYNCHRONIZATION WIRING USING 2 PAIR OF 2 CONDUCTOR #18 SHIELDED BELDEN CABLE TO EACH STROBE (2 IN-2 OUT) AS SHOWN.
5. EXACT LOCATION SHALL BE COORDINATED WITH THE OWNER/ARCHITECT AND ON SITE.
6. PROVIDE ALL COMPONENTS TO SUIT.

2 **EQUIPMENT FOR LOCK DOWN PROCEDURE**
E13 SCALE N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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 ENGINEERS
T. MOZAFFAR
100035724
June 17, 20262
Project# 24036
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 267,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

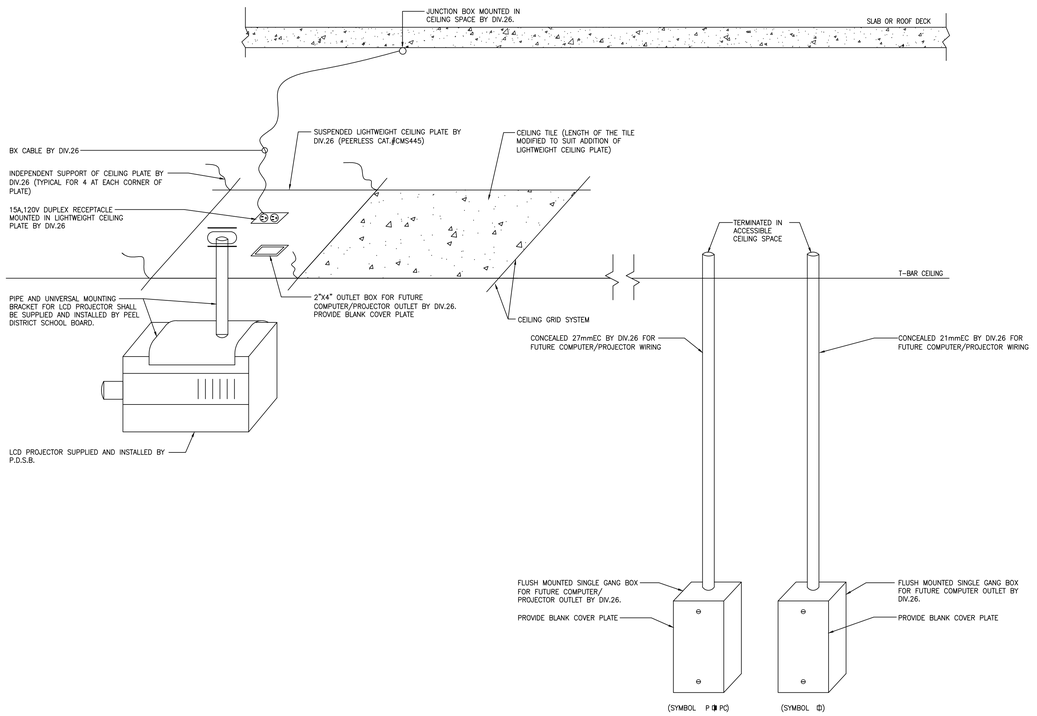
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL SECURITY RISER AND LOCKDOWN DETAILS

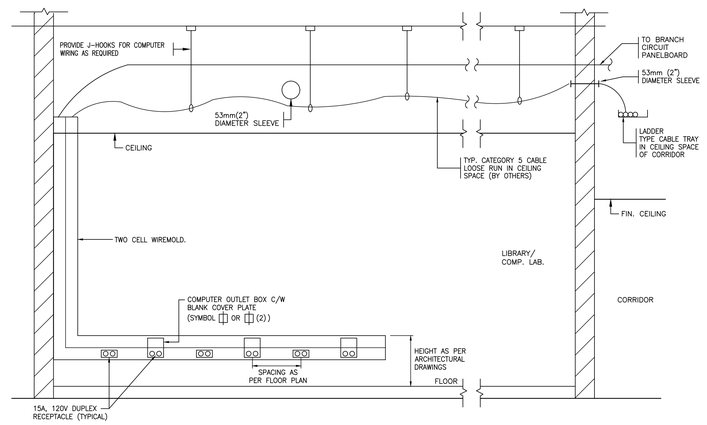
PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

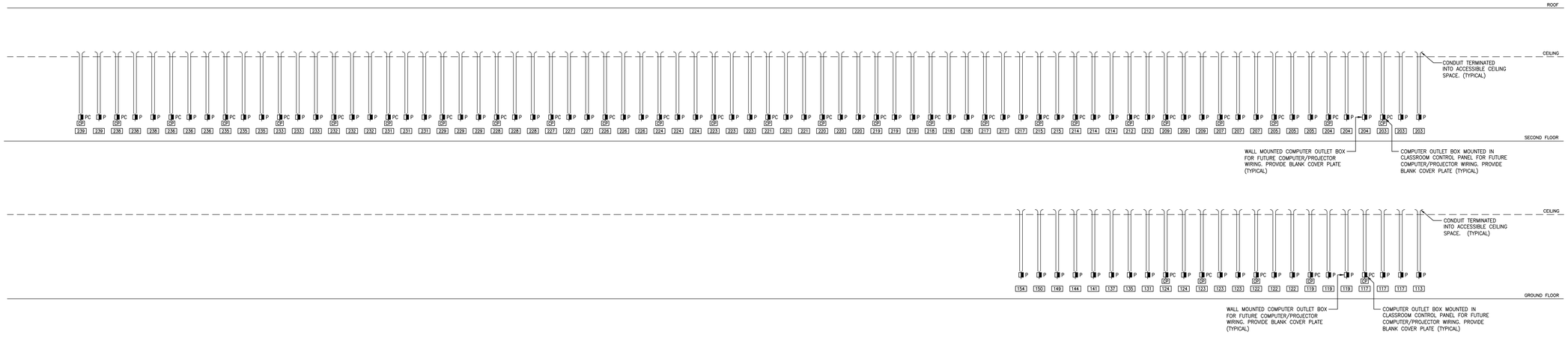
SCALE AS SHOWN	PROJECT 24112
DATE JUN.17, 2026	
DRAWN R.R.	DRAWING E13
CHECKED R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	



2 E14 **TYPICAL INSTALLATION OF AUDIO VIDEO DEVICES FOR ROOMS DESIGNATED WITH PROJECTORS**
SCALE: N.T.S.



3 E14 **TYPICAL LIBRARY/COMPUTER LAB COMPUTER PROVISION**
SCALE: N.T.S.



NOTES:

1. PROVIDE CONDUITS, OUTLET BOXES, BLANK COVER PLATES, RECEPTACLES AND PEERLESS CAT.#CMS445 CEILING PLATES AS SHOWN ON DETAIL #2.
2. ALL CONDUITS SHALL BE 27mm UNLESS OTHERWISE NOTED.
3. ALL CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUITS IN EXPOSED OR DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
4. EXACT LOCATION OF THE PROJECTORS SHALL BE COORDINATED WITH THE SCHOOL REPRESENTATIVE PRIOR TO THE INSTALLATION.
5. COORDINATE WORK WITH ARCHITECT AND COMPUTER SYSTEM CONTRACTOR.
6. EXACT LOCATION OF ALL PROVISIONS FOR A/V / COMPUTER SYSTEM DEVICES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH IN.
7. FOR EXACT LOCATION AND QUANTITY OF PROVISIONS FOR A/V / COMPUTER SYSTEM DEVICES, REFER TO FLOOR PLANS.
8. FOR MORE INFORMATION REFER TO SPECIFICATION.

1 E14 **AUDIO/VIDEO SYSTEM RISER DIAGRAM**
SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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.

LICENCE PROFESSIONAL ENGINEER T. MOZAFFAR 100035724 JUNE 17, 2026 PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 267,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

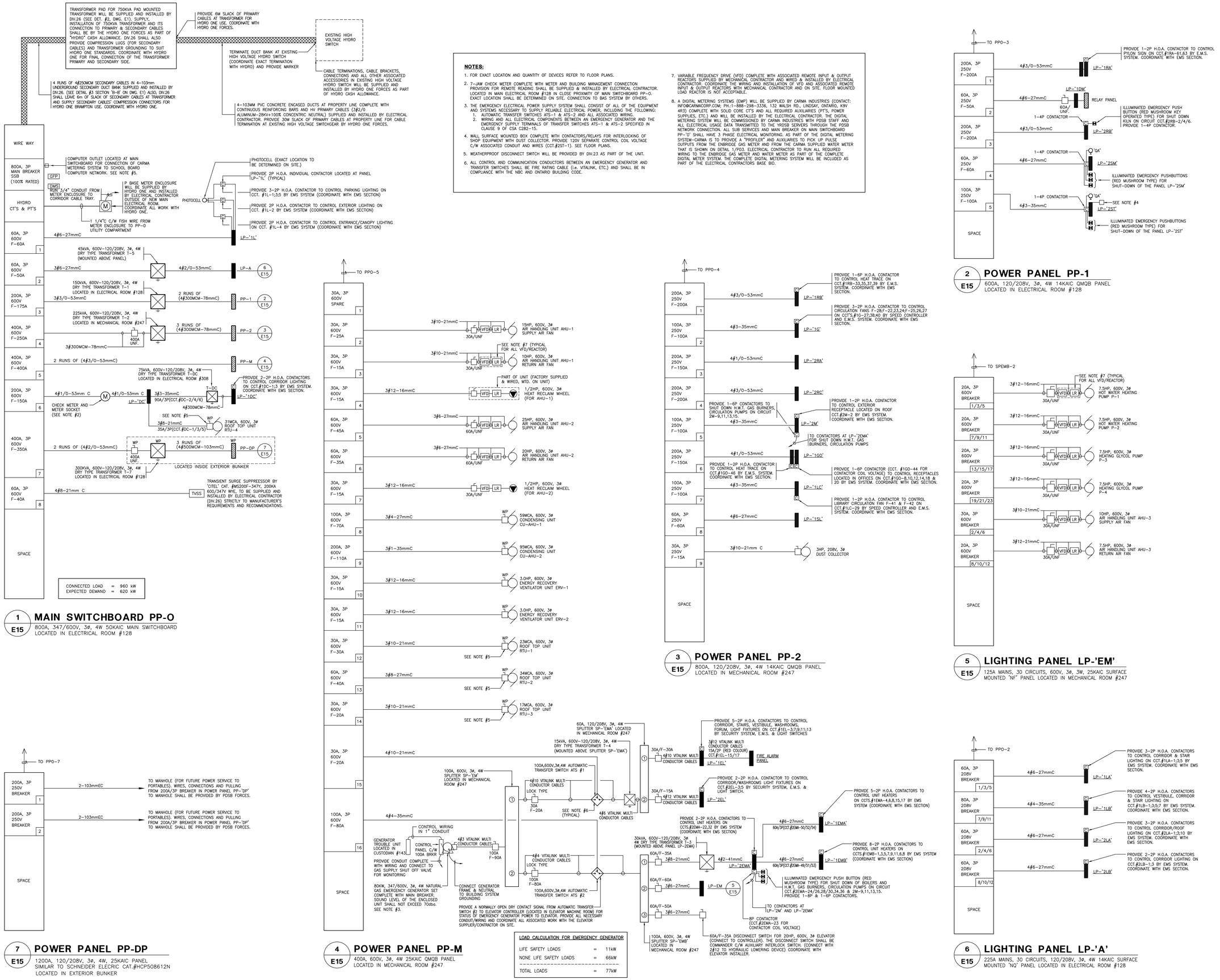
ELECTRICAL AUDIO/VIDEO SYSTEM RISER DIAGRAM

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E14
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036



NOTES:

1. FOR EXACT LOCATION AND QUANTITY OF DEVICES REFER TO FLOOR PLANS.
2. 7-JAW CHECK METER COMPLETE WITH METER AND BUILDING MANAGEMENT CONNECTION PROVISION FOR REMOTE READING SHALL BE SUPPLIED & INSTALLED BY ELECTRICAL CONTRACTOR. LOCATED IN MAIN ELECTRICAL ROOM #128 IN CLOSE PROXIMITY OF MAIN SWITCHBOARD PP-O. EXACT LOCATION SHALL BE DETERMINED ON SITE. CONNECTION TO BAS SYSTEM BY OTHERS.
3. THE EMERGENCY ELECTRICAL POWER SUPPLY SYSTEM SHALL CONSIST OF ALL OF THE EQUIPMENT AND SYSTEMS NECESSARY TO SUPPLY RELIABLE ELECTRICAL POWER, INCLUDING THE FOLLOWING:
   1. AUTOMATIC TRANSFER SWITCHES ATS-1 & ATS-2 AND ALL ASSOCIATED WIRING.
   2. WIRING AND ALL ELECTRICAL COMPONENTS BETWEEN AN EMERGENCY GENERATOR AND THE EMERGENCY SUPPLY TERMINALS OF TRANSFER SWITCHES ATS-1 & ATS-2 SPECIFIED IN CLAUSE 9 OF CSA C282-15.
4. WALL SURFACE MOUNTED BOX COMPLETE WITH CONTACTORS/RELAYS FOR INTERLOCKING OF SHOP EQUIPMENT WITH DUST COLLECTOR. PROVIDE 120V SEPARATE CONTROL COIL VOLTAGE C/W ASSOCIATED CONDUIT AND WIRES (CCT.#2ST-1). SEE FLOOR PLANS.
5. WEATHERPROOF DISCONNECT SWITCH WILL BE PROVIDED BY DIV.23 AS PART OF THE UNIT.
6. ALL CONTROL AND COMMUNICATION CONDUCTORS BETWEEN AN EMERGENCY GENERATOR AND TRANSFER SWITCHES SHALL BE FIRE RATING CABLE (i.e. VITALINK, ETC.) AND SHALL BE IN COMPLIANCE WITH THE NBC AND ONTARIO BUILDING CODE.
7. VARIABLE FREQUENCY DRIVE (VFD) COMPLETE WITH ASSOCIATED REMOTE INPUT & OUTPUT REACTORS SUPPLIED BY MECHANICAL CONTRACTOR AND WIRED & INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE THE WIRING AND INSTALLATION OF VFD AND ASSOCIATED REMOTE INPUT & OUTPUT REACTORS WITH MECHANICAL CONTRACTOR AND ON SITE. FLOOR MOUNTED LOAD REACTOR IS NOT ACCEPTABLE.
8. A DIGITAL METERING SYSTEMS (EMP) WILL BE SUPPLIED BY CARMA INDUSTRIES (CONTACT: INFO@CARMACORP.COM; PH.:1-888-298-3336, 132 WALSH RD., LINDSAY, ONTARIO, K9V 4R3) COMPLETE WITH SOLID CORE CT'S AND ALL REQUIRED AUXILIARIES (PT'S, POWER SUPPLIES, ETC.) AND WILL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. THE DIGITAL METERING SYSTEM WILL BE COMMISSIONED BY CARMA INDUSTRIES WITH PDSB STAFF AND ALL ELECTRICAL USAGE DATA TRANSMITTED TO THE YRDSB SERVERS THROUGH THE PDSB NETWORK CONNECTION. ALL SUB SERVICES AND MAIN BREAKER ON MAIN SWITCHBOARD PP-'O' SHALL HAVE 3 PHASE ELECTRICAL MONITORING. AS PART OF THE DIGITAL METERING SYSTEM-CARMA IS TO PROVIDE A "PROFILER" AND AUXILIARIES TO PICK UP PULSE OUTPUTS FROM THE ENBRIDGE GAS METER AND FROM THE CARMA SUPPLIED WATER METER THAT IS SHOWN ON DETAIL 1/PD3. ELECTRICAL CONTRACTOR TO RUN ALL REQUIRED WIRING TO THE ENBRIDGE GAS METER AND WATER METER AS PART OF THE COMPLETE DIGITAL METER SYSTEM. THE COMPLETE DIGITAL METERING SYSTEM WILL BE INCLUDED AS PART OF THE ELECTRICAL CONTRACTORS BASE BID.

1 E15 MAIN SWITCHBOARD PP-O

800A, 347/600V, 3ø, 4W 50KAIC MAIN SWITCHBOARD LOCATED IN ELECTRICAL ROOM #128

2 E15 POWER PANEL PP-1

600A, 120/208V, 3ø, 4W 14KAIC QMQB PANEL LOCATED IN ELECTRICAL ROOM #128

3 E15 POWER PANEL PP-2

800A, 120/208V, 3ø, 4W 14KAIC QMQB PANEL LOCATED IN MECHANICAL ROOM #247

4 E15 POWER PANEL PP-M

400A, 600V, 3ø, 4W 25KAIC QMQB PANEL LOCATED IN MECHANICAL ROOM #247

5 E15 LIGHTING PANEL LP-'EM'

125A MAINS, 30 CIRCUITS, 600V, 3ø, 3W, 25KAIC SURFACE MOUNTED 'NF' PANEL LOCATED IN MECHANICAL ROOM #247

6 E15 LIGHTING PANEL LP-'A'

225A MAINS, 30 CIRCUITS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL LOCATED IN ELECTRICAL ROOM #128

7 E15 POWER PANEL PP-DP

1200A, 120/208V, 3ø, 4W, 25KAIC PANEL SIMILAR TO SCHNEIDER ELECRIC CAT.#HCP508612N LOCATED IN EXTERIOR BUNKER

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
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LICENSED PROFESSIONAL ENGINEER
T. MOZAFFAR
100035724
June 17, 2026
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON, L5R 1C6
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ELECTRICAL POWER RISER DIAGRAM

PDSB TENDER # XXXXXXX-XXXX

rybka Eldard Wilson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

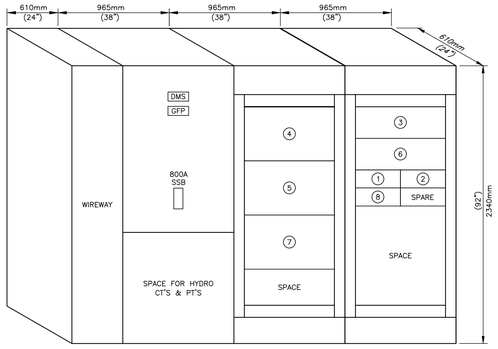
SCALE	AS SHOWN
DATE	JUN.17, 2026
DRAWN	R.R.
CHECKED	R.R.
PROJECT	24112
DRAWING	E15
PRINT DATE	JUN.17, 2026
REVIT FILE	

LIGHTING PANEL SCHEDULE

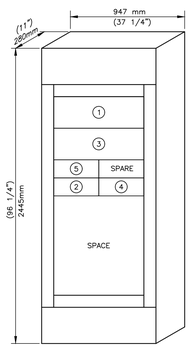
LIGHTING PANEL	LOCATION	No. 15A–1P BREAKERS AND THEIR CIRCUITS	No. 20A–1P BREAKERS AND THEIR CIRCUITS	No. OTHER BREAKERS & THEIR CIRCUITS	No. 15A–1P SPARE BRKS. & THEIR CKTS.	No. 20A–1P SPARE BRKS. & THEIR CKTS.	REMARKS
LP-1L	GROUND FLOOR ELECTRICAL ROOM #128	———	4 (CCTS.# 1;3;2;4)	———	———	2 (CCTS.# 5;6)	125A MAINS, 18 CCTS, 347/600V, 3ø, 4W, 25KAIC SURFACE MOUNTED 'NF' PANEL
LP-DC	GROUND FLOOR ELECTRICAL ROOM #308	———	———	1–40A/3P BRK. (CCTS.#1/3/5) 1–90A/3P BRK. (CCTS.#2/4/6)	3 (CCTS.# 7;9;11)	———	250A MAINS, 30 CCTS, 347/600V, 3ø, 4W, 25KAIC SURFACE MOUNTED 'NF' PANEL
LP-A	GROUND FLOOR ELECTRICAL ROOM #128	———	———	3–60A/3P BRK. (CCTS.#1/3/5; 2/4/6;8/10/12) 1–80A/3P BRK. (CCTS.#7/9/11)	———	———	225A MAINS, 30 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1LA	GROUND FLOOR ELECTRICAL ROOM #128	———	8 (CCTS.# 1 TO 5;2 TO 10)	———	———	3 (CCTS.# 7;9;11)	100A MAINS, 24 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1LB	GROUND FLOOR ELECTRICAL ROOM #174	———	20 (CCTS.# 1 TO 23;2 TO 16)	———	———	3 (CCTS.# 25;27;29)	100A MAINS, 30 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-2LA	SECOND FLOOR BOILER ROOM #248	———	11 (CCTS.# 1 TO 11; 2 TO 10)	———	———	3 (CCTS.# 13;15;17)	100A MAINS, 24 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-2LB	SECOND FLOOR ELECTRICAL ROOM #242A	———	11 (CCTS.# 1 TO 9; 2 TO 12)	———	———	3 (CCTS.# 11;13;15)	100A MAINS, 24 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1DC	GROUND FLOOR ELECTRICAL ROOM #308	34 (CCTS.# 9;11;17 TO 35;41;47 TO 53; 6 TO 16; 20 TO 30; 44 TO 50;54)	9 (CCTS.# 1;3;5;7;13;15;2;4;52)	1–15A/1P GFI. BRK. (CCTS.#18) 2–15A/2P GFI. BRK. (CCTS.#32/34;36/38) 1–30A/2P BRK. (CCTS.#37/39) 1–40A/2P BRK. (CCTS.#40/42) 1–50A/2P BRK. (CCTS.#43/45)	5 (CCTS.# 55;57;59;61;63)	4 (CCTS.# 65;67;69;71)	400A MAINS, 2–42 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-1DM	GROUND FLOOR STORAGE ROOM #159	1 (CCTS.#14)	12 (CCTS.# 1 TO 11;2 TO 12)	———	2 (CCTS.# 13;15)	———	100A MAINS, 18 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1G	GROUND FLOOR GYM STORAGE #172	34 (CCTS.# 3; 7 TO 19; 25;27; 33 TO 43;49;2 TO 30; 38 TO 40)	6 (CCTS.# 1;5;29;31;45;42)	1–15A/1P GFI. BRK. (CCTS.#47) 1–15A/2P GFI. BRK. (CCTS.#21/23) 1–15A/3P BRK. (CCTS.#32/34/36)	5 (CCTS.# 51;53;55;57;59)	2 (CCTS.# 44;46)	225A MAINS, 60 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1GO	GROUND FLOOR STAFF WORK ROOM #110	50 (CCTS.# 5 TO 13;17;23 TO 41;45 TO 61; 67 TO 71;2 TO 28;32 TO 44;48)	6 (CCTS.# 1;3;15;19;21;43)	4–15A/1P GFI. BRK. (CCTS.# 30;63;65;46)	6 (CCTS.# 73;75;77;79;81;83)	4 (CCTS.# 50;52;54;56)	225A MAINS, 2–42 CCTS, 120/208V, 3ø, 4W, 14KAIC FLUSH MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-1LC	GROUND FLOOR LEARNING COMMONS WORKROOM #114	25 (CCTS.# 1 TO 5; 13 TO 29; 2 TO 10; 16 TO 30)	5 (CCTS.# 7 TO 11; 12;14)	———	3 (CCTS.# 31;33;35)	3 (CCTS.# 37;39;41)	225A MAINS, 42 CCTS, 120/208V, 3ø, 4W, 14KAIC FLUSH MOUNTED 'NQ' PANEL
LP-1SL	GROUND FLOOR STAFF LOUNGE #113	10 (CCTS.# 3 TO 21)	1 (CCTS.# 1)	2–15A/2P GFI. BRK. (CCTS.#2/4;#6/8) 1–50A/2P BRK. (CCTS.#10/12)	2 (CCTS.# 23;25)	2 (CCTS.# 27;29)	100A MAINS, 30 CCTS, 120/208V, 3ø, 4W, 14KAIC FLUSH MOUNTED 'NQ' PANEL
LP-1RA	GROUND FLOOR ELECTRICAL ROOM #128	57 (CCTS.# 1 TO 13; 21 TO 47; 51 TO 55;61 TO 65;4 TO 14;20;22;28; 34 TO 48;52;64;70)	5 (CCTS.# 49;57;59;2;62)	6–15A/1P GFI. BRK. (CCTS.#19;50;54 TO 60) 1–15A/2P GFI. BRK. (CCTS.#16/18) 2–30A/2P BRK. (CCTS.#15/17;#30/32) 1–50A/2P BRK. (CCTS.#24/26) 1–40A/2P BRK. (CCTS.#66/68)	6 (CCTS.# 67;69;71;73;75;77)	3 (CCTS.# 79;81;83)	225A MAINS, 2–42 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-1RB	GROUND FLOOR ELECTRICAL ROOM #174	62 (CCTS.# 1 TO 5; 9 TO 23; 29;31;41; 4;6;12 TO 22; 34 TO 46; 55 TO 59; 63 TO 75; 81;83; 91 TO 101; 56 TO 60; 64 TO 76; 82;84;100;102)	9 (CCTS.#7;2;32;61;85;87;89;62;98)	16–15A/1P GFI. BRK. (CCTS.#25;27; 33 TO 39;77;79;78;80;86 TO 96) 1–15A/2P GFI. BRK. (CCTS.#28/30) 2–30A/2P BRK. (CCTS.#8/10;#24/26)	6 (CCTS.# 43;45;47;49;51;53)	3 (CCTS.# 103;105;107)	225A MAINS, 2–54 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-2RA	SECOND FLOOR MECHANICAL ROOM #247	34 (CCTS.# 5;7;9;13 TO 19;23 TO 31;35 TO 47; 4 TO 16;20 TO 34)	7 (CCTS.#1;3;11;21;33;2;18)	———	6 (CCTS.# 49;51;53;36;38;40)	———	225A MAINS, 54 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-2RB	SECOND FLOOR ELECTRICAL ROOM #242A	63 (CCTS.# 5 TO 15; 29 TO 39;43;45;49;51;53; 57 TO 67;75;77;79;83 TO 97;10;12;22 TO 30; 34;36;40 TO 52;56 TO 80)	13 (CCTS.#1;3;27;41;47;8;32;38;54;55;71; 73;81)	6–15A/1P GFI. BRK. (CCTS.#17 TO 25;69) 2–15A/2P GFI. BRK. (CCTS.#14/16;18/20) 1–50A/3P BRK. (CCTS.#2/4/6)	5 (CCTS.# 99;101;103;105;107)	6 (CCTS.# 82;84;86;88;90;92)	225A MAINS, 2–54 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-2RC	SECOND FLOOR ELECTRICAL ROOM #253A	49 (CCTS.# 5 TO 29;33;35;39;41;43 TO 51; 55 TO 69;14 TO 20;24 TO 36;40 TO 52;56)	9 (CCTS.#1;3;31;37;12;22;38;53;54)	5–15A/1P GFI. BRK. (CCTS.#2 TO 10)	7 (CCTS.# 71;73;75;77;79;81;83)	———	225A MAINS, 2–42 CCTS, 120/208V, 3ø, 4W 14KAIC SURFACE MOUNTED 'NQ' PANEL (COMPLETE WITH FEED THRU LUGS)
LP-2SM	SECOND FLOOR SMT PREP ROOM #213	8 (CCTS.# 1 TO 7;13 TO 17;2)	2 (CCTS.#9;11)	1–15A/1P GFI. BRK. (CCTS.#4)	3 (CCTS.# 6;8;10)	———	100A MAINS, 30 CCTS, 120/208V, 3ø, 4W, 14KAIC FLUSH MOUNTED 'NQ' PANEL (SEE NOTES #2 & #4)
LP-2ST	SECOND FLOOR STAC CLASSROOM #212	14 (CCTS.# 1;5 TO 13; 2 TO 10;14 TO 18)	1 (CCTS.#3)	1–15A/1P GFI. BRK. (CCTS.#12)	3 (CCTS.# 15;17;19)	———	100A MAINS, 30 CCTS, 120/208V, 3ø, 4W, 14KAIC FLUSH MOUNTED 'NQ' PANEL (SEE NOTES #2 & #4)
LP-2M	SECOND FLOOR MECHANICAL ROOM #247	21 (CCTS.# 1 TO 15; 6;8;10;18 TO 36)	2 (CCTS.#2;4)	1–25A/1P BRK. (CCTS.#12) 1–60A/2P BRK. (CCTS.#14/16) 2–25A/2P SPARE BRK. (CCTS.#17/19;21/23)	4 (CCTS.# 25;27;29;31)	———	225A MAINS, 42 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1EMA	GROUND FLOOR ELECTRICAL ROOM #128	28 (CCTS.# 1 TO 23; 2 TO 26)	———	———	5 (CCTS.# 31;33;35;37;39)	———	225A MAINS, 42 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1EMB	GROUND FLOOR ELECTRICAL ROOM #174	35 (CCTS.# 1 TO 33; 2 TO 22; 28 TO 32)	2 (CCTS.# 24;26)	———	5 (CCTS.# 34;36;38;49;42)	———	225A MAINS, 42 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-2EMA	SECOND FLOOR MECHANICAL ROOM #247	37 (CCTS.# 1 TO 25;27;29, 2 TO 10; 14 TO 22; 32 TO 36)	———	1–15A/1P GFI. BRK. (CCTS.#12) 2–20A/2P BRK. (CCTS.#24/26;28/30) 1–15A/3P BRK. (CCTS.#38/40/42) 2–60A/3P BRK. (CCTS.#37/39/41;38/40/42)	6 (CCTS.# 56;58;60;44;46;48)	———	225A MAINS, 60 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-1EL	GROUND FLOOR ELECTRICAL ROOM #174	3 (CCTS.# 1;19;2)	11 (CCTS.# 3 TO 13;4 TO 12)	1–15A/2P BRK. (CCTS.#15/17)	2 (CCTS.# 21;23)	———	100A MAINS, 24 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-2EL	SECOND FLOOR MECHANICAL ROOM #247	2 (CCTS.# 1;2)	4 (CCTS.# 3;5;4;6)	———	———	2 (CCTS.# 7;9)	100A MAINS, 18 CCTS, 120/208V, 3ø, 4W, 14KAIC SURFACE MOUNTED 'NQ' PANEL
LP-EM	SECOND FLOOR MECHANICAL ROOM #247	———	———	1–15A/3P BRK. (CCTS.#14/16/18) 6–20A/3P BRK. (CCTS.#1/3/5;7/9/11; 8/10/12;20/22/24;13/15/17;19/21/23) 1–30A/3P BRK. (CCTS.#2/4/6)	2 (CCTS.# 25;27)	2 (CCTS.# 20;22)	125A MAINS, 30 CCTS, 600V, 3ø, 4W, 25KAIC SURFACE MOUNTED 'NF' PANEL

NOTES :

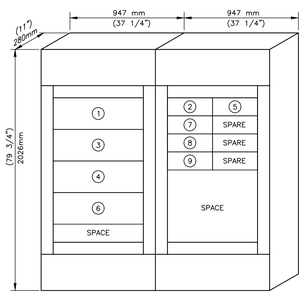
1. PROVIDE 2–27mm EC UP TO CEILING SPACE FROM ALL PANELS LOCATED ON GROUND FLOOR. PROVIDE 2–27mm EC UP TO CEILING SPACE AND 2–27mm EC DOWN TO CEILING SPACE FROM ALL PANELS LOCATED ON 2ND FLOOR.
2. PANEL SHALL BE COMPLETE WITH BUILT–IN EMERGENCY PUSH BUTTON, BUILT–IN KEY OPERATED SWITCH, BUILT IN PILOT LIGHT, REMOTE ELECTRICALLY HELD CONTACTOR (LOCATED IN CEILING SPACE ABOVE PANEL) AND REMOTE PILOT LIGHT MOUNTED NEAR CLASSROOM DOOR IN CORRIDOR.
3. PANEL SHALL BE COMPLETE WITH BUILT–IN KEY OPERATED SWITCH, BUILT IN PILOT LIGHT, REMOTE ELECTRICALLY HELD CONTACTOR (LOCATED IN CEILING SPACE ABOVE PANEL) AND REMOTE PILOT LIGHT MOUNTED NEAR CLASSROOM DOOR IN CORRIDOR.
4. FOR PANELS EQUIPPED WITH BUILT–IN KEY OPERATED SWITCH (KEY OPERATED SWITCH HAS TO BE 3 POSITION "OFF"–"0"–"ON" AND BE EQUIPPED WITH RETURN SPRING FOR POSITION "0"–"ON"–"0") KEY SHALL TURN PANEL ON WHEN IT IS IN "ON" POSITION AND TURN PANEL OFF WHEN IT IS IN "OFF" POSITION. ALSO KEY SHALL BE REMOVABLE FROM LOCK IN "OFF" AND "0" POSITION. AFTER ANY POWER SHUT DOWN (EMERGENCY OR OTHER) PANELS SHALL BE RESET ONLY BY TURNING THE KEY OPERATED SWITCH TO 'ON' POSITION.
5. ALL PANEL DIRECTORIES SHALL REFER TO ARCHITECTURAL ROOM NUMBERS AND NEW SCHOOL ROOM NUMBERS IN BRACKETS (COORDINATE WITH THE SCHOOL BOARD).
6. FLUSH MOUNTED PANELS SHALL BE FULLY GASKETED AND WITHOUT DRIP SHIELD.



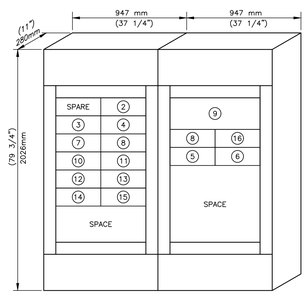
PP–O



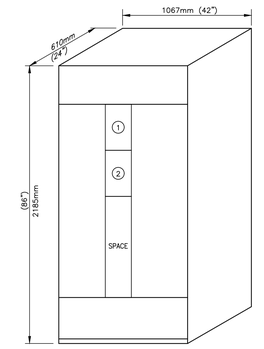
PP–1



PP–2



PP–M



PP–DP

ALL PANELS MUST BE COMPLETE WITH LOCKABLE DOORS AND GASKET. PANELS WITHOUT LOCKABLE DOORS ARE NOT ACCEPTABLE.

1 / E16 **SWITCHBOARD ELEVATION**

SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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
T. MOZAFFAR
100035724
June 17, 2026
PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL PANEL SCHEDULE

PDSB TENDER # XXXXXXX-XXXX

rybka Eldard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

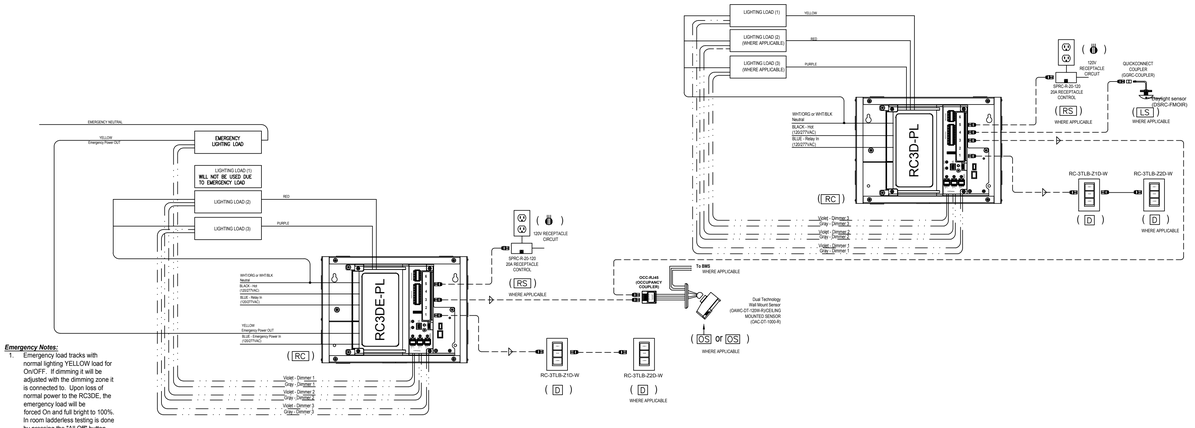
SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E16
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

NOTES:

1. RJ45 QUICK CONNECT CABLE LENGTHS SHALL BE PROVIDED AS PER SITE MEASUREMENTS. REFER TO FLOOR PLAN(S).
2. AUTO-ON SEQUENCE FOR DIGITAL DIMMING CONTROL OF LIGHT FIXTURE(S) & RECEPTACLE(S):
   - A. FOR DIGITAL LIGHTING CONTROL WITH ROOM CONTROLLER(S) IN TYPICAL CLASSROOM(S)/SPACE(S)/AREA(S); THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE FOR LIGHT FIXTURE(S) & RECEPTACLE(S) IN RESPECTIVE CLASSROOM(S)/ROOM(S)/AREA(S):
     - .1 WHEN ROOM/SPACE IS OCCUPIED; THE OCCUPANCY SENSOR(S) OF THE RESPECTIVE ROOM/SPACE THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHT FIXTURE(S) TO 50% OUTPUT LEVEL & ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE).
     - .2 DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
     - .3 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN THE RESPECTIVE ROOM/SPACE SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING ON/OFF PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
     - .4 DAYLIGHT SENSOR (WHERE APPLICABLE) SHALL BE PROGRAMMED/SET SUCH THAT LIGHTING FIXTURE(S) MOUNTED IN BOTH PRIMARY SIDE LIGHTING AND SECONDARY SIDE LIGHTING (WHERE APPLICABLE) AREA(S) SHALL BE AUTOMATICALLY DIM/RISE TO MAINTAIN 45FC LIGHTING OUTPUT LEVEL AT ALL TIME IN BOTH SIDE LIGHTING AREA(S).
     - .5 IF THE SPACE/ROOM IS NOT OCCUPIED FOR 20 MINUTES; OCCUPANCY SENSOR(S) SHALL TURN 'OFF' ALL LIGHT FIXTURE(S) IN THE RESPECTIVE ROOM/SPACE & DE-ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE). STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF ALL LIGHT FIXTURES AS DESCRIBED ABOVE).
   - B. FOR DIGITAL LIGHTING CONTROL IN GYMNASIUM; THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE OF LIGHT FIXTURE(S) IN RESPECTIVE EACH HALF OF GYMNASIUM:
     - .1 LIGHTING FIXTURE(S) ON CCT. #1LB-15, 1LB-17, 1LB-19, 1LB-21, 1EL-12 IN EACH HALF OF GYM SHALL BE CONTROLLED THROUGH THE RESPECTIVE ROOM CONTROLLER(S) CONNECTED TO THE RESPECTIVE LIGHTING CIRCUIT(S). ROOM CONTROLLER(S) SHALL CONTROL GYM LIGHT FIXTURES IN EACH HALF OF GYM WITH ASSOCIATED TWO(2) OCCUPANCY SENSORS, SIX (6) 3-WAY WALL STATIONS (TWO PER LIGHTING CIRCUIT).
     - .2 WHEN ANY HALF OF GYM IS OCCUPIED; THE OCCUPANCY SENSOR(S) THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHTING FIXTURE(S) TO 50% OUTPUT LEVEL OF RESPECTIVE HALF OF GYM AREA.
     - .3 DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
     - .4 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN RESPECTIVE EACH HALF OF GYM SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING ON/OFF PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
     - .5 IF ANY HALF OF GYM IS NOT OCCUPIED FOR 20 MINUTES; OCCUPANCY SENSOR(S) SHALL TURN 'OFF' ALL LIGHT FIXTURE(S) IN THE RESPECTIVE HALF OF GYM. STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF THE LIGHTING FIXTURE(S) AS DESCRIBED ABOVE).
3. ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER PRICE FOR INSTALLATION, TESTING, TIME ADJUSTMENT, FUNCTIONAL TESTING AND COMMISSIONING OF OCCUPANCY SENSORS, ROOM CONTROLLERS, DAYLIGHT SENSORS, AND PROGRAMMING OF AUTO-ON SEQUENCE OF ALL LIGHTING CONTROL DEVICES FOR LIGHT FIXTURES ON A ROOM BY ROOM BASIS IN ENTIRE BUILDING, BY MANUFACTURER. SUBMIT VERIFICATION/COMMISSIONING REPORT AFTER COMPLETION OF WORK.

LEGEND:

———	120V CIRCUIT
- - - -	RJ45 QUICK CONNECT CABLE
— · · —	0–10V LOW VOLTAGE DIMMING CABLE
D	ROOM CONTROLLER WALLSTATION (LIGHT SWITCH/DIMMER – MOUNTED ON CLASSROOM CONTROL PANEL/WALL). EATON, CAT. #RC–3TLB–W. ALL WALL MOUNTED LV DIMMING SWITH(ES) SHALL BE COMPLETE WITH OUTLET BOX(ES) AND CONDUIT(S) TERMINATED IN ACCESSIBLE CEILING SPACE. BUTTONS SHALL BE COMPLETE WITH ENGRAVE 'ON/OFF OR ZONE'; 'RAISE'; 'LOWER' DESIGNATION.
RC	ROOM CONTROLLER EATON, CAT. #RC30–PL
OS	DUAL TECH WALL MOUNTED OCCUPANCY SENSOR EATON, CAT. #OAWC–DT–120W–R C/W OCCUPANCY SENSOR COUPLER. EATON, #OCC–RJ45
OS	DUAL TECH CEILING MOUNTED OCCUPANCY SENSOR EATON, CAT. #OAC–DT–1000–R C/W OCCUPANCY SENSOR COUPLER EATON, #OCC–RJ45
LS	DAYLIGHT SENSOR (WHERE APPLICABLE) EATON, CAT. #DSRC–FMOIR C/W QUICK CONNECT COUPLER EATON, CAT. #GGRC–COUPLER (IN GYM, DAYLIGHT SENSOR SHALL BE C/W GGRC–SPLITTER)
RS	RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE) EATON, CAT. #SPRC–R–20–120
	RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR THROUGH RECEPTACLE RATED SWITCHPACK/ROOM CONTROLLER REFER TO ELECTRICAL FLOOR PLAN(S) FOR POWER LAYOUT(S) FOR EXACT LOCATION(S) AND CIRCUIT NUMBER(S) IN EACH RESPECTIVE ROOM(S)/AREA(S).

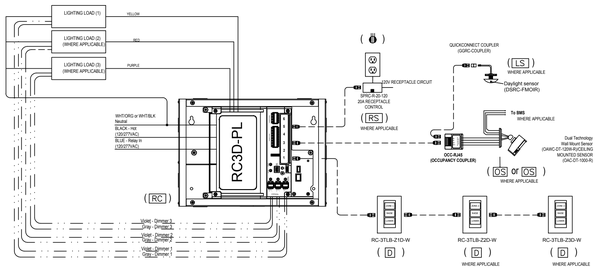


Emergency Notes:

1. Emergency load tracks with normal lighting YELLOW load for On/OFF. If dimming it will be adjusted with the dimming zone it is connected to. Upon loss of normal power to the RC3DE, the emergency load will be forced On and full bright to 100%. In room ladderless testing is done by pressing the "All Off" button four times, within 3 seconds. The RC3DE is UL924 listed.
2. *"0-10V Dimming Zone Note:* The 0-10V dimming zones within the Room Controller can be wired and controlled independent of the connected loads. This allows a each load to have a dedicated 0-10V dimming zone or a single load to have up to three 0-10V dimming zones.

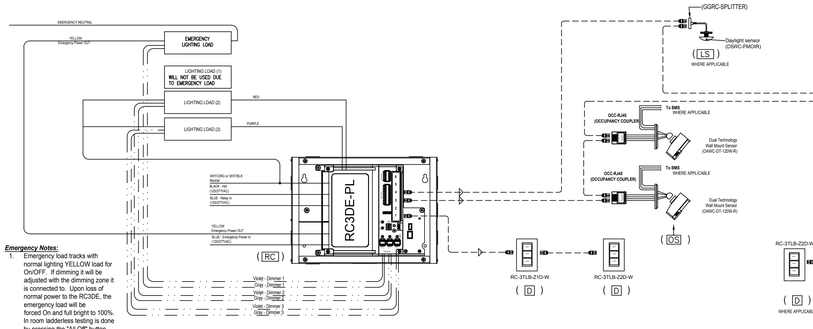
1B / E17 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH TWO (2) NORMAL CIRCUITS, ONE (1) EMERGENCY CIRCUIT & TWO (2) ROOM CONTROLLERS

SCALE: N.T.S.



1A / E17 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH ONE(1) ROOM CONTROLLER & ONE (1) CIRCUIT

SCALE: N.T.S.

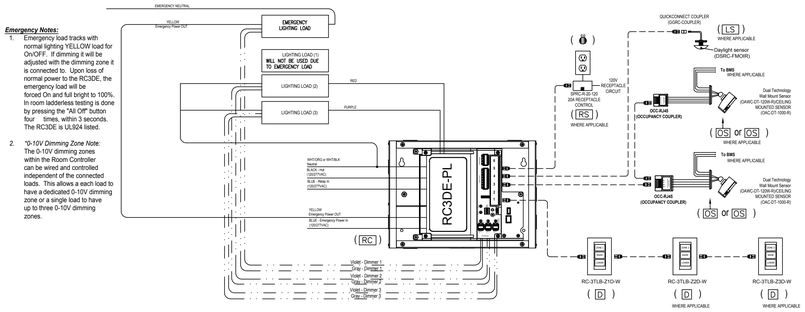


Emergency Notes:

1. Emergency load tracks with normal lighting YELLOW load for On/OFF. If dimming it will be adjusted with the dimming zone it is connected to. Upon loss of normal power to the RC3DE, the emergency load will be forced On and full bright to 100%. In room ladderless testing is done by pressing the "All Off" button four times, within 3 seconds. The RC3DE is UL924 listed.
2. *"0-10V Dimming Zone Note:* The 0-10V dimming zones within the Room Controller can be wired and controlled independent of the connected loads. This allows a each load to have a dedicated 0-10V dimming zone or a single load to have up to three 0-10V dimming zones.

1C / E17 TYPICAL SCHEMATIC WIRING DIAGRAM FOR GYMNASIUM WITH TWO (2) ROOM CONTROLLER(S) & THREE(3) CIRCUIT(S) FOR EACH HALF OF GYMNASIUM

SCALE: N.T.S.

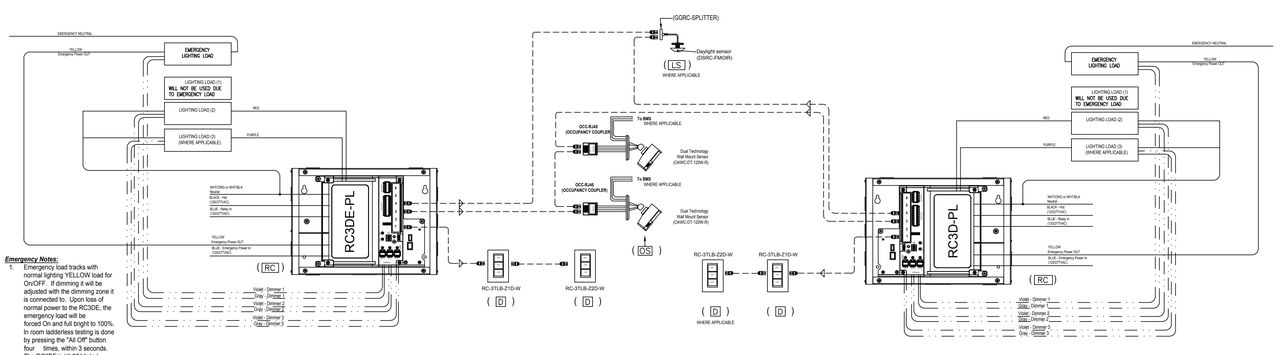


Emergency Notes:

1. Emergency load tracks with normal lighting YELLOW load for On/OFF. If dimming it will be adjusted with the dimming zone it is connected to. Upon loss of normal power to the RC3DE, the emergency load will be forced On and full bright to 100%. In room ladderless testing is done by pressing the "All Off" button four times, within 3 seconds. The RC3DE is UL924 listed.
2. *"0-10V Dimming Zone Note:* The 0-10V dimming zones within the Room Controller can be wired and controlled independent of the connected loads. This allows a each load to have a dedicated 0-10V dimming zone or a single load to have up to three 0-10V dimming zones.

1D / E17 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH ONE (1) NORMAL CIRCUIT, ONE (1) EMERGENCY CIRCUIT & ONE (1) ROOM CONTROLLER

SCALE: N.T.S.



Emergency Notes:

1. Emergency load tracks with normal lighting YELLOW load for On/OFF. If dimming it will be adjusted with the dimming zone it is connected to. Upon loss of normal power to the RC3DE, the emergency load will be forced On and full bright to 100%. In room ladderless testing is done by pressing the "All Off" button four times, within 3 seconds. The RC3DE is UL924 listed.
2. *"0-10V Dimming Zone Note:* The 0-10V dimming zones within the Room Controller can be wired and controlled independent of the connected loads. This allows a each load to have a dedicated 0-10V dimming zone or a single load to have up to three 0-10V dimming zones.

1E / E17 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH TWO (2) NORMAL CIRCUITS, ONE (2) EMERGENCY CIRCUITS & TWO (2) ROOM CONTROLLERS

SCALE: N.T.S.

1 / E17 TYPICAL DIGITAL DIMMING CONTROL SCHEMATIC WIRING DIAGRAM(S) WITH ROOM CONTROLLER(S)

SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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 — T. MOZAFFAR — 100035724 — June 17, 2026 — PROVINCE OF ONTARIO

MAYFIELD WEST #2 PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 261,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
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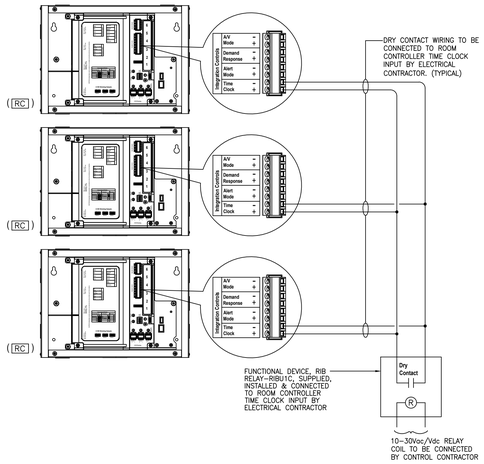
ELECTRICAL DETAILS

PDSB TENDER # XXXXXXX-XXXX

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E17
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	

24036



TIME CLOCK CONTROL SEQUENCE:

ROOM CONTROLLER TIME CLOCK INPUT SHALL BE PROGRAMMED AS FOLLOWS:

1. WHEN BUILDING IS 'OCCUPIED', THE RELAY RIBU1C DRY CONTACT WILL BE 'CLOSED' BY BUILDING MANAGEMENT SYSTEM (BMS) AND THE RESPECTIVE ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHT FIXTURES TO 30% OUTPUT LEVEL.

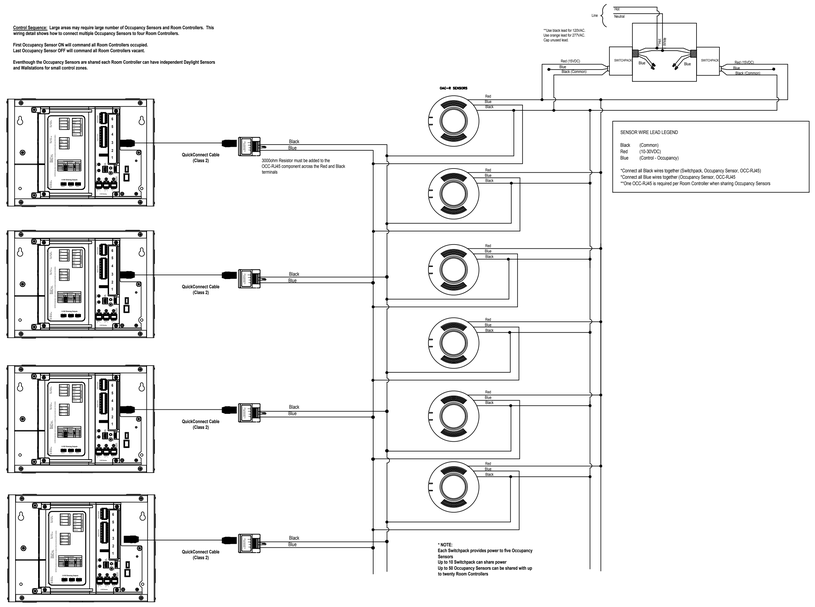
   WHEN RESPECTIVE SPACE IS OCCUPIED ALL LIGHT FIXTURES SHALL BE RAISED TO 100% OUTPUT LEVEL AND WHEN SPACE IS NOT OCCUPIED ALL LIGHT FIXTURES SHALL BE MAINTAINED AT 30% OUTPUT LEVEL.
2. WHEN BUILDING IS 'VACANT' (NOT OCCUPIED), THE RELAY RIBU1C DRY CONTACT WILL BE 'OPEN' BY BUILDING MANAGEMENT SYSTEM (BMS) AND THE RESPECTIVE ROOM CONTROLLER(S) SHALL TURN 'OFF' ALL LIGHT FIXTURES.

NOTE:

TO ACHIEVE ABOVE SEQUENCE, CONTRACTOR SHALL ENSURE THAT DIP SWITCHES 3 & 4 ARE PLACED IN 'ON' POSITION AND SCENE 5 & 6 ARE PROGRAMMED TO 30% AND 100% RESPECTIVELY. COORDINATE ALL WORK WITH MANUFACTURER ON SITE.

1A / E18 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM CONTROLLER(S) CONTROLLING LIGHT FIXTURES IN RESPONSE TO BUILDING MANAGEMENT INPUT SIGNAL (TYPICAL FOR STUDENT FORUM AREA)

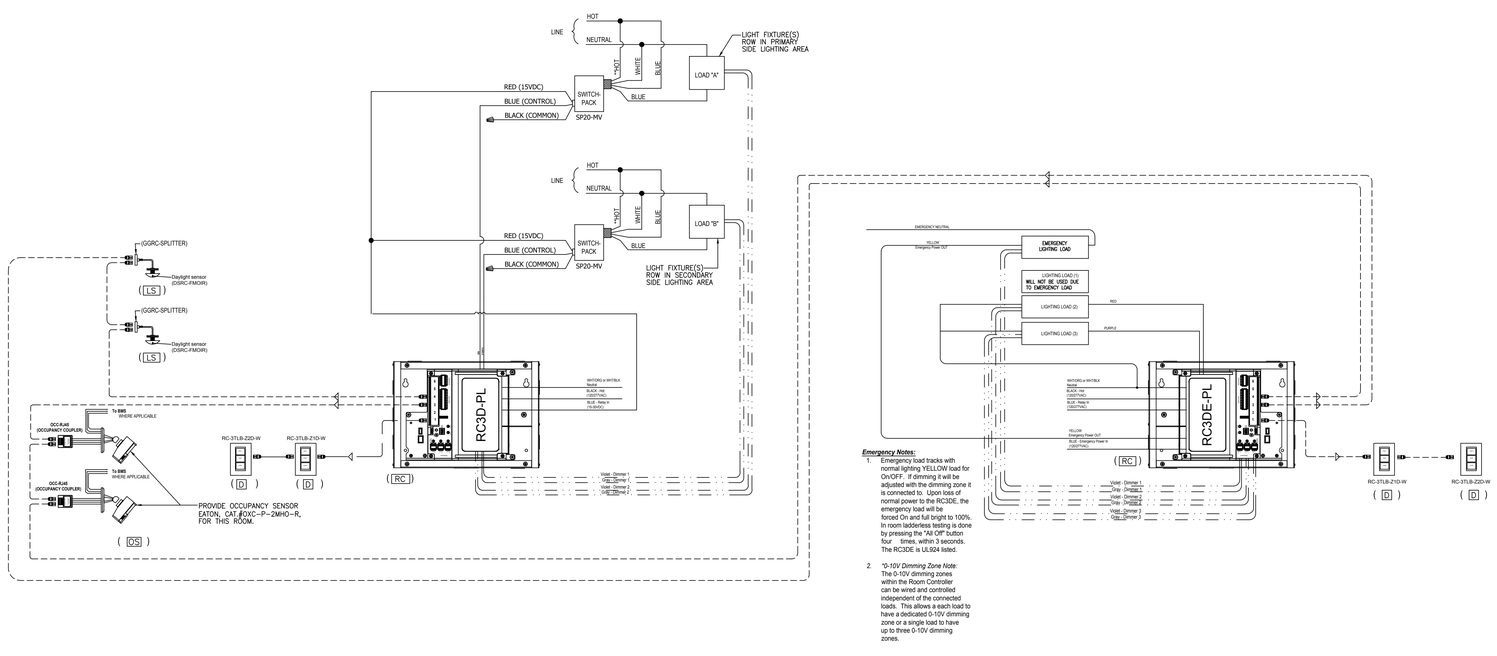
SCALE: N.T.S.



PROVIDE ADDITIONAL DEVICES WIRING/POWER PACK(S)/COMPONENTS FOR COMPLETE SYSTEM OPERATION, AS SHOWN ON FLOOR PLANS.

1B / E18 TYPICAL SCHEMATIC WIRING DIAGRAM FOR AREAS WITH MORE THEN TWO (2) OCCUPANCY SENSORS

SCALE: N.T.S.



1C / E18 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S) WITH THREE (3) NORMAL CIRCUITS, ONE (1) EMERGENCY CIRCUIT & TWO (2) ROOM CONTROLLERS (LEARNING COMMONS £115)

SCALE: N.T.S.

1 / E18 TYPICAL DIGITAL DIMMING CONTROL SCHEMATIC WIRING DIAGRAM(S) WITH ROOM CONTROLLER(S)

SCALE: N.T.S.

NO.	DESCRIPTION	DATE
4	ISSUED FOR TENDER	06/17/26
3	ISSUED FOR PERMIT	10/14/25
2	ISSUED FOR 80% REVIEW	06/27/25
1	ISSUED FOR 50% REVIEW	05/16/25

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 — T. MOZAFFAR — 100035724 — June 17, 2026 — project# 24036 — PROVINCE OF ONTARIO

MAYFIELD WEST #2
PUBLIC SCHOOL

29 TWEEDHILL AVE.
CALEDON, ONTARIO

LEGAL DESCRIPTION
Block 267,
REGISTERED PLAN 43 M2114

TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

City File # SPA-XXXX-XXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

ELECTRICAL
DETAILS

PDSB TENDER # XXXXXXX-XXXX

rybka Eldard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

SCALE: AS SHOWN	PROJECT: 24112
DATE: JUN.17, 2026	
DRAWN: R.R.	DRAWING: E18
CHECKED: R.R.	
PRINT DATE	JUN.17, 2026
REVIT FILE	