HWDSB

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

November 2025

HOSSACK ARCHITECTURE
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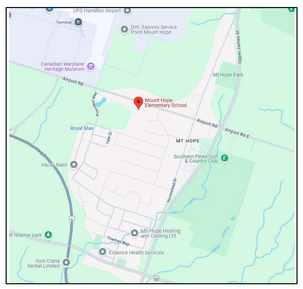
KEY PLAN



MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

DRAWING LIST

ARCHITECTURAL

SV1	TOPOGRAPHICAL SITE SURVEY
SD1	DEMOLITION SITE PLAN
SP1	SITE PLAN
CV-1	EROSION AND SEDIMENT CONTROL PLAN
CV-2	SITE SERVICING PLAN
CV-3	SITE GRADING PLAN
TP100	TREE INVENTORY AND PRESERVATION PLAN
L100	LANDSCAPE CONTEXT PLAN
L101	NORTH LANDSCAPE PLAN
L102	SOUTH LANDSCAPE PLAN
L200	PLANTING PLAN
L300	LANDSCAPE DETAILS
L301	LANDSCAPE DETAILS
A01	FIRE SEPARATION & OBC MATIX
A02	DEMOLITION GROUND FLOOR PLAN & RCP - ADDITION
A03	PROPOSED GROUND & SECOND FLOOR PLAN - ADDITION
A04	PROPOSED GROUND & SECOND FLOOR RCP - ADDITION
A05	DEMOLITION ROOF & SECOND FLOOR PLAN AND PROPOSED ROOF PLAN - ADDITION
A06	DEMO. & PROP. FLOOR PLANS AND RCP IN AREA OF RENOVATIONS
A07	DEMOLITION & PROPOSED CANOPY AT MAIN ENTRANCE
A08	PARTIAL DEMO. & PROP. GROUND FLOOR RCP
A09	EXTERIOR ELEVATIONS & BLDG SECTIONS
A10	WALL SECTIONS
A11	WALL SECTIONS
A12	WALL SECTIONS
A13	WALL SECTIONS
A14	PLAN DETAILS
A15	SECTION DETAILS
A16	SECTION DETAILS
A17	STAIR PLANS AND SECTIONS
A18	INTERIOR ELEVATIONS & ENLARGED WASHROOM PLANS - ADDITION
A19	CURTAIN WALLS, ALUMINUM SCREENS & WINDOWS SCHEDULE
A20	FLOOR PATTERN PLANS

STRUCTURAL

S0.0	COVER PAGE
S0.1	EXISTING RENOVATION PLAN
S1.0	FOUNDATION PLAN
S2.0	TYPICAL FOUNDATION DETAILS
S2.1	FOUNDATION SECTIONS
S3.0	SECOND FLOOR FRAMING PLAN
S3.1	ROOF FRAMING PLAN
S4.0	TYPICAL FRAMING DETAILS
S4.1	CROSS SECTIONS

MECHANICAL

M101	LEGEND, SCHEDULES & KEY PLANS
M102	PLUMBING SCHEDULE
M201	EXISTING SCHOOL GROUND FLOOR - DEMOLITION PART PLANS
M202	EXISTING SCHOOL GROUND FLOOR - RENOVATION PART PLANS
M203	MECHANICAL ROOM PART PLANS & SCHEMATIC - DEMO
M204	MECHANICAL ROOM PART PLANS & SCHEMATIC - RENO
M301	GROUND FLOOR ADDITION PLANS - DRAINAGE
M302	SECOND FLOOR ADDITION PLANS - DRAINAGE
M303	GROUND & SECOND FLOOR ADDITION PLANS - PLUMBING
M304	GROUND & SECOND FLOOR DEMOLITION & ADDITION PLANS - FIRE PROTECTION
M401	GROUND & SECOND FLOOR ADDITION PLANS - HEATING
M501	GROUND & SECOND FLOOR ADDITION PLANS - VENTILATION
M502	ROOF PLAN - ADDITION
M901	MECHANICAL DETAILS (1 OF 2)
M902	MECHANICAL DETAILS (2 OF 2)

ELECTRICAL

E01	LEGEND & ELECTRICAL DEMOLITION SITE PLAN
E02	ELECTRICAL RENOVATION SITE PLAN & SITE DETAILS
E03	DETAILS & SCHEDULES
E04	LIGHTING CONTROL DETAILS & SEQUENCE
E05	OVERALL KEY PLAN AND GROUND FLOOR PART PLANS - DEMOLITION AND RENOVATION
E06	GROUND & SECOND FLOOR PART PLAN - LIGHTING
E07	GROUND & SECOND FLOOR PART PLAN - POWER & SYSTEMS
E08	ROOF PART PLAN - POWER & SYSTEMS
E09	SINGLE LINE DIAGRAM & PANEL SCHEDULES
E10	FIRE ALARM RISER DIAGRAM & PASSIVE GRAPHIC
E11	AUXILIARY SYSTEMS RISERS DIAGRAMS

SET No.

PROJECT NUMBER

24114

PLAN OF SURVEY
OF PART OF
LOT 5
CONCESSION 5
GEOGRAPHIC
TOWNSHIP OF GLANFORD
IN THE
CITY OF HAMILTON
SCALE 1:400 METRIC

8 4 0 8 16 24 metres

R.A. McLAREN, O.L.S. – 2025

BENCHMARK:
STATION: 0011975U160

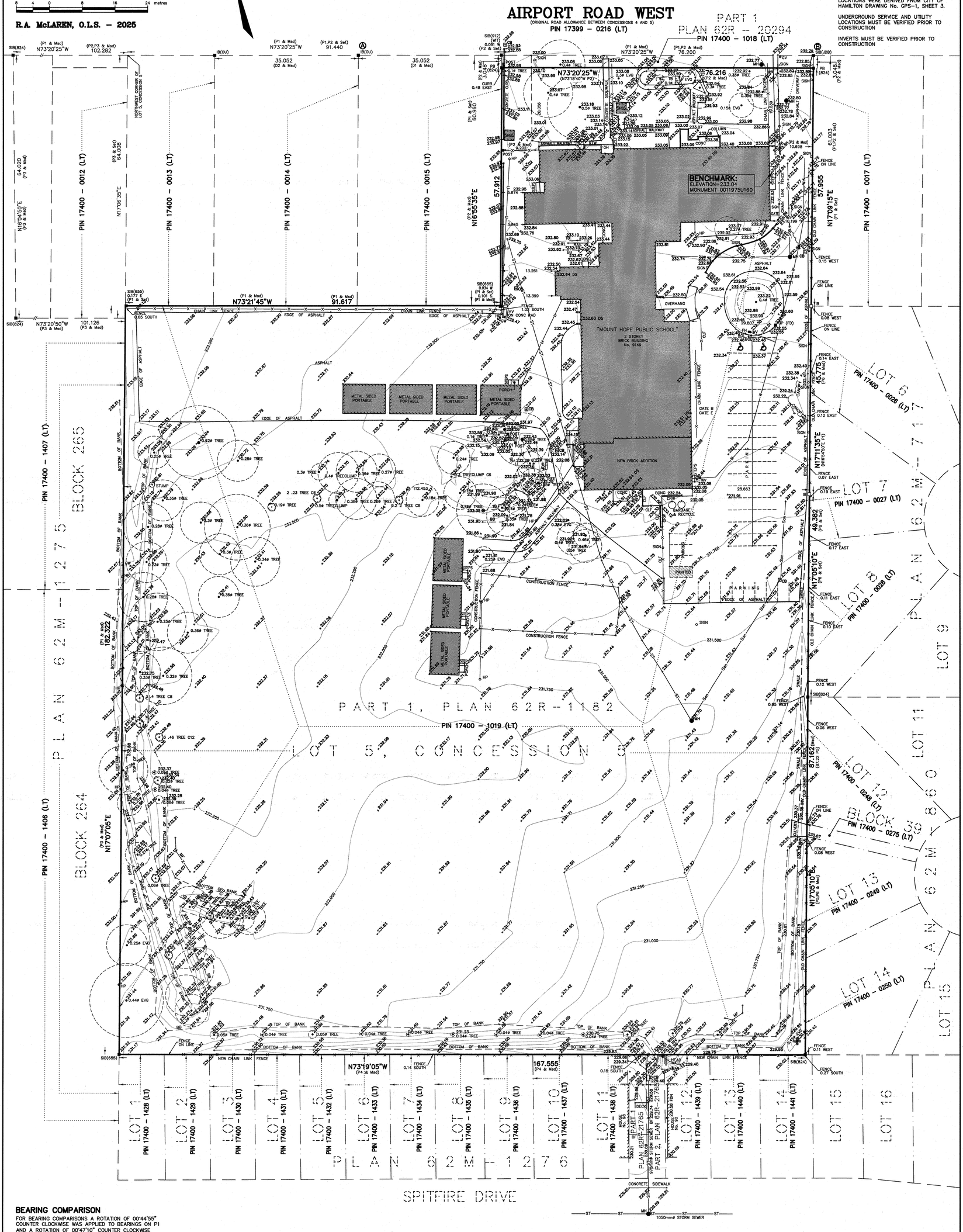
MOUNT HOPE SCHOOL, ALONG AIRPORT ROAD, 0.6 KM WEST OF INTERSECTION WITH HIGHWAY NO. 6, TABLET IN EAST CONCRETE FOUNDATION, 57 CM NORTH OF CONCRETE STEPS FOR SIDE DOOR, 36 CM BELOW BRICKWORK.

ELEVATION: 233.039 CGVD28:78

NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS WERE DERIVED FROM CITY OF HAMILTON DRAWING No. GPS-1, SHEET 3.

UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION



BEARING COMPARISON

FOR BEARING COMPARISONS A ROTATION OF 00°44'55" COUNTER CLOCKWISE WAS APPLIED TO BEARINGS ON P1 AND A ROTATION OF 00°47'10" COUNTER CLOCKWISE WAS APPLIED TO BEARINGS ON P5 AND P6 TO CONVERT TO GRID BEARINGS

BEARING NOTE:

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0)

NOTE:

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99965816

INTEGRATION DATA

OBSERVED REFERENCE POINTS (ORP's). UTM ZONE 17, NAD83 (CSRS) (2010.0). COORDINATES TO URBAN ACCURACY PER SEC. 14(2) OF O.REG. 216/10

POINT ID	NORTHING	EASTING
ORP A	4778898.050	587734.957
ORP B	4778865.140	587841.554

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

LEGEND:

■	DENOTES	MONUMENT SET
	"	MONUMENT FOUND
CC	"	CUT CROSS
CP	"	CONCRETE PIN
IB	"	IRON BAR
RM	"	ROUND IRON BAR
PB	"	PLASTIC BAR
SIB	"	STANDARD IRON BAR
SSIB	"	SHORT STANDARD IRON BAR
655	"	J.T. PETERS, O.L.S.
824	"	A.T. McLAREN, O.L.S.
912	"	A.J. CLARKE, O.L.S.
JDB	"	J.D. BARNES LIMITED, O.L.S.
OU	"	ORIGIN UNKNOWN
Med	"	MEASURED
WIT	"	WITNESS
P1	"	PLAN 62R-11282
P2	"	PLAN 62R-20294
P3	"	PLAN 62M-1275
P4	"	PLAN 62M-1276
P5	"	PLAN 62M-860
P6	"	PLAN 62M-717
D1	"	INSTRUMENT No. CD290805
D2	"	INSTRUMENT No. CD288960
BB	"	BOTTOM OF BANK
BF	"	BOARD FENCE
CB	"	CATCH BASIN
CONC	"	CONCRETE
CRW	"	CONCRETE RETAINING WALL
DICB	"	DITCH INLET CATCH BASIN
DS	"	DOOR SILL
EVG	"	EVERGREEN TREE
FDN	"	FOUNDATION
FH	"	FIRE HYDRANT
GF	"	GARAGE FLOOR
GM	"	GAS METER
GW	"	GUY WIRE
GV	"	GAS VALVE
HP	"	HYDRO POLE
HV	"	HYDRO VAULT
MF	"	METAL FENCE
MH	"	MANHOLE
MON	"	MONUMENT
OH	"	OVERHANG
RTW	"	RETAINING WALL
SAP	"	SAPLING
TB	"	TOP OF BANK
WV	"	WATER VALVE

METRIC NOTE:

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

SURVEYOR'S CERTIFICATE:

I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM
2. THE SURVEY WAS COMPLETED ON THE 7th DAY OF OCTOBER, 2024

OCTOBER 8, 2024
DATE

ROB A. McLAREN, O.L.S.

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER 85852

No.	DESCRIPTION	DATE	BY
01	ADDITIONAL TOPO	JAN. 29, 2025	MN
	ORIGINAL	OCT. 8, 2024	MN

REVISIONS

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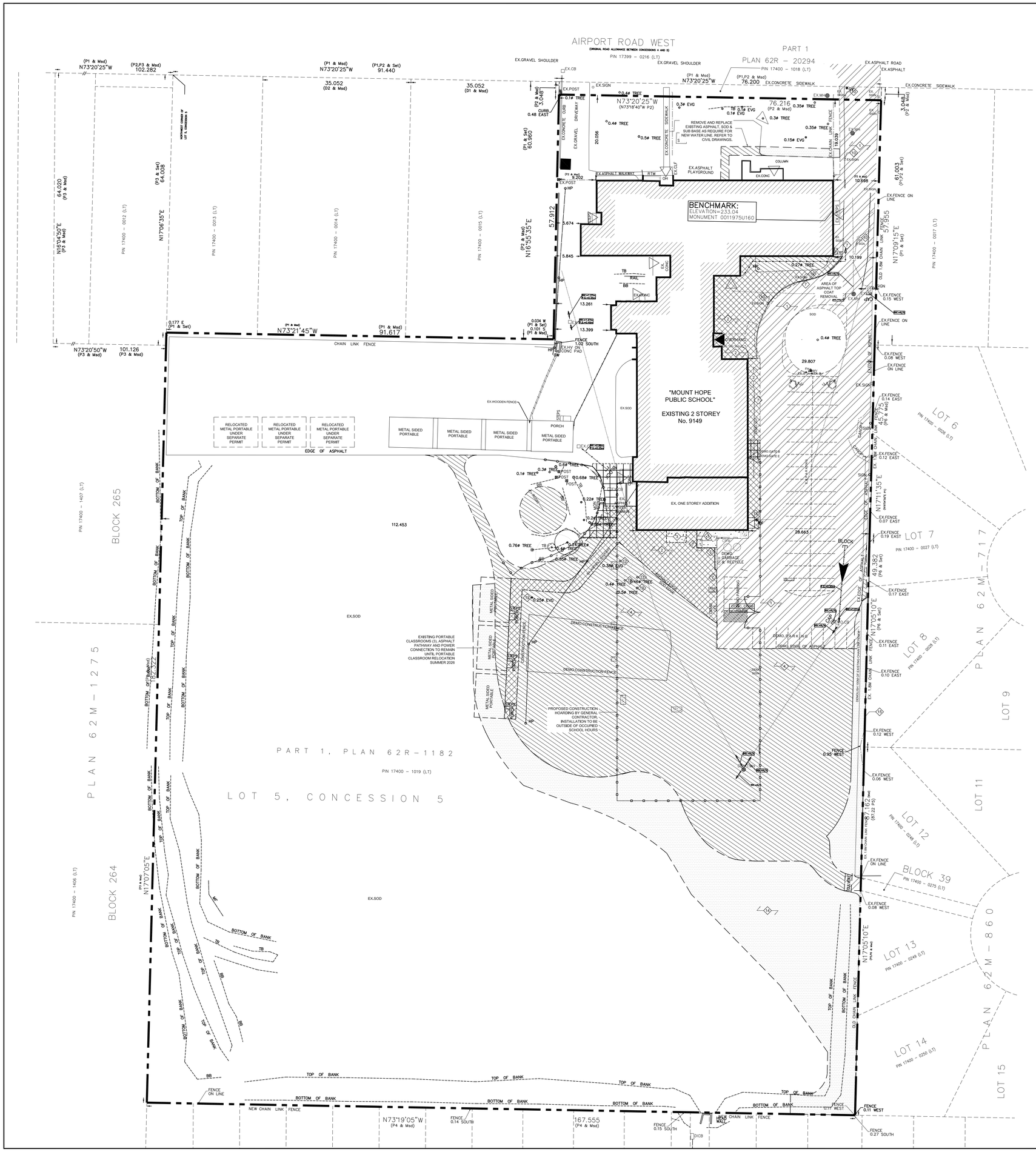
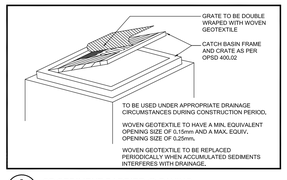
A.T. McLaren Limited
LEGAL AND ENGINEERING SURVEYS
69 JOHN STREET SOUTH, SUITE 230
HAMILTON, ONTARIO, L8N 2B9
PHONE (905) 527-8559 FAX (905) 527-0032

Drawn	Checked	Crew Chief	Scale	Dwg.No.
MN	RBM	DW	1:400	37884-LIP





2 SD1 CB SEDIMENT BARRIER @ PAVING
SCALE: NTS

GENERAL NOTES

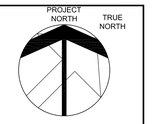
NOTES:
1. All work involved in the construction, relocation, repair of municipal services for the project shall be to the satisfaction of the Director of Planning, Planning and Economic Development Department.
2. Fire Route Signs and 3-Way Fire Hydrants shall be established to the satisfaction of the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

SITE DEMOLITION NOTES:

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

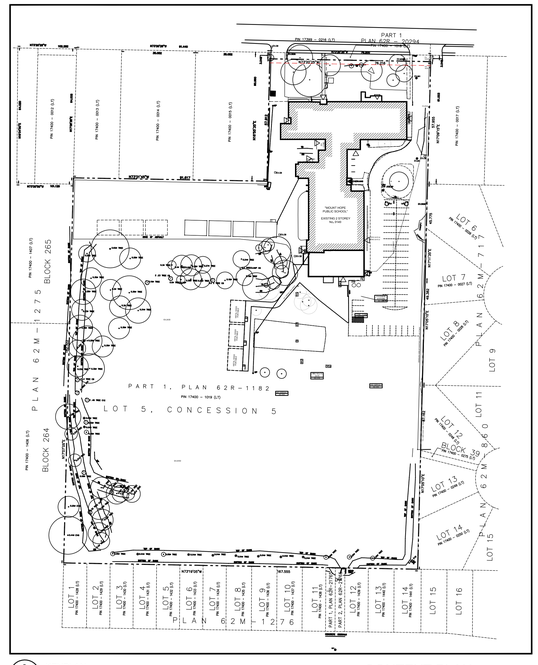
LEGEND

- PROPOSED SIGNAGE
- FH FIRE HYDRANT
- MH MANHOLE
- CB CATCH BASIN
- DC DEPRESSED CURB
- MAIN SCHOOL ENTRANCE
- SECONDARY SCHOOL ENTRANCE
- LS PROPOSED LIGHT STANDARD (REFER TO ELECTRICAL DRAWINGS)
- EX.LS EXISTING STREET LIGHT STANDARD
- WP PROPOSED WALL PACK (REFER TO ELECTRICAL DRAWINGS)
- EXISTING FENCE TO BE REMOVED
- NEW BLACK VINYL CHAINLINK FENCE (HEIGHT AS INDICATED).
- WEEPING TILE (NOT SHOWN. SEE GEN NOTE #9)
- GAS LINE
- UNDERGROUND HYDRO
- STORM SEWER
- SANITARY SEWER
- FENCELINE
- EDGE OF BUSH
- TOP OF BANK (TB)
- BOTTOM OF BANK (BB)
- BOLLARD AD 210
- BOREHOLE
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- DIRECTIONAL ARROW
- UP UTILITY POLE
- GUY GUY WIRE/POLE



LEGEND

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



3 SD1 KEYPLAN
SCALE 1:1000

CONTEXT PLAN

METRIC NOTE:
DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

SURVEYOR'S CERTIFICATE:
I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM
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8 OCT 2024
DATE
ROB A. McLAREN, O.L.S.

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A.T. McLaren Limited
LEGAL AND ENGINEERING SURVEYS
69 JOHN STREET SOUTH, SUITE 230
HAMILTON, ONTARIO, L8N 2B9
PHONE (905) 527-8559 FAX (905) 527-0032

Drawn	Checked	Crew Chief	Scale	
MN	RBM	CW	1:400	Dwg.No. 37884

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER 85852

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25 11 20
4	RE-ISSUED FOR SPA	25 10 08
3	ISSUED FOR BUILDING PERMIT	25 07 23
2	RE-ISSUED FOR SPA	25 04 04
1	ISSUED FOR SPA	24 11 21

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
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 6053
Certificate of Practice #4292

MOUNT HOPE ELEMENTARY SCHOOL

Tender No.
9149 Airport Rd W,
Mount Hope , ON L0R 1W0

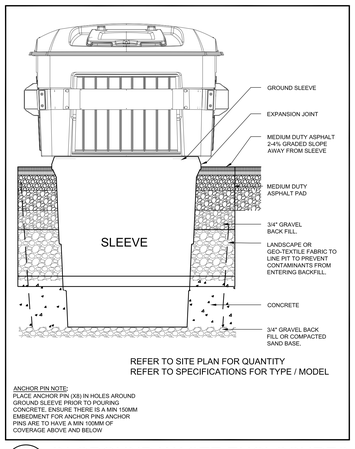
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L3
905-527-5092

DEMOLITION SITE PLAN

HOSSACK ARCHITECTURE
105 - 1938 IRONOAK WAY
BURLINGTON, ON L7P 0K8
(905) 639-8840 admin@hossack.ca

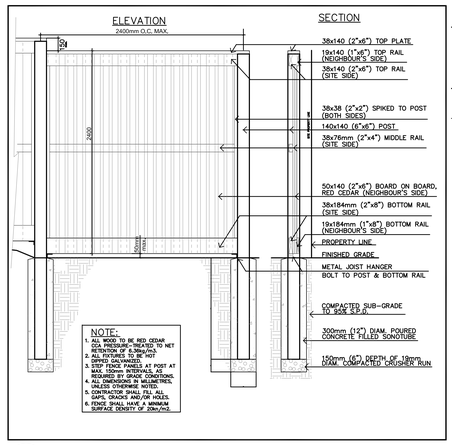
SCALE 1:300	PROJECT 24114
DATE November 2025	
DRAWN TC / JK	DRAWING SD1
CHECKED PL	
PRINT DATE	25 11 18
CAD FILE	TI-20242411402



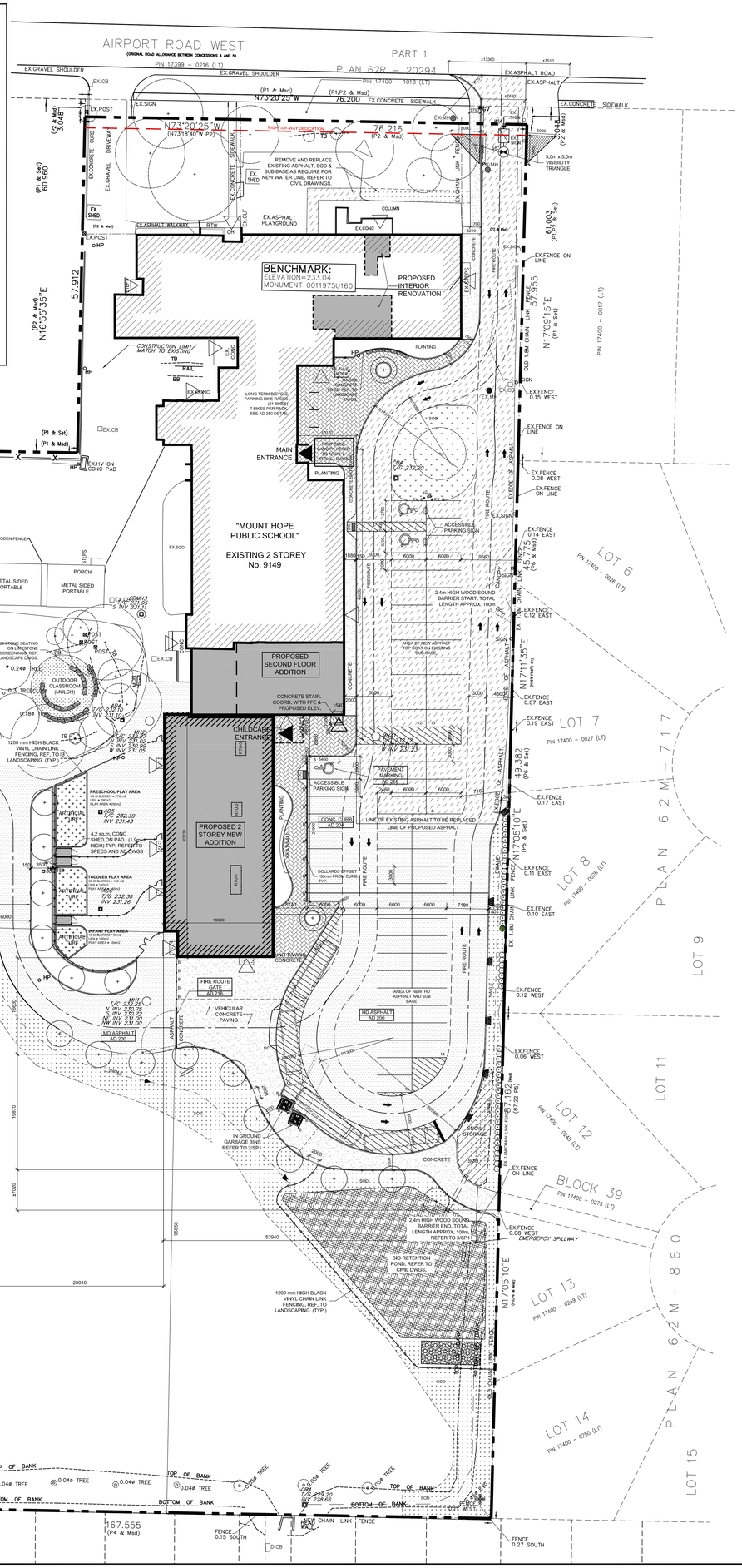
REFER TO SITE PLAN FOR QUANTITY
REFER TO SPECIFICATIONS FOR TYPE / MODEL

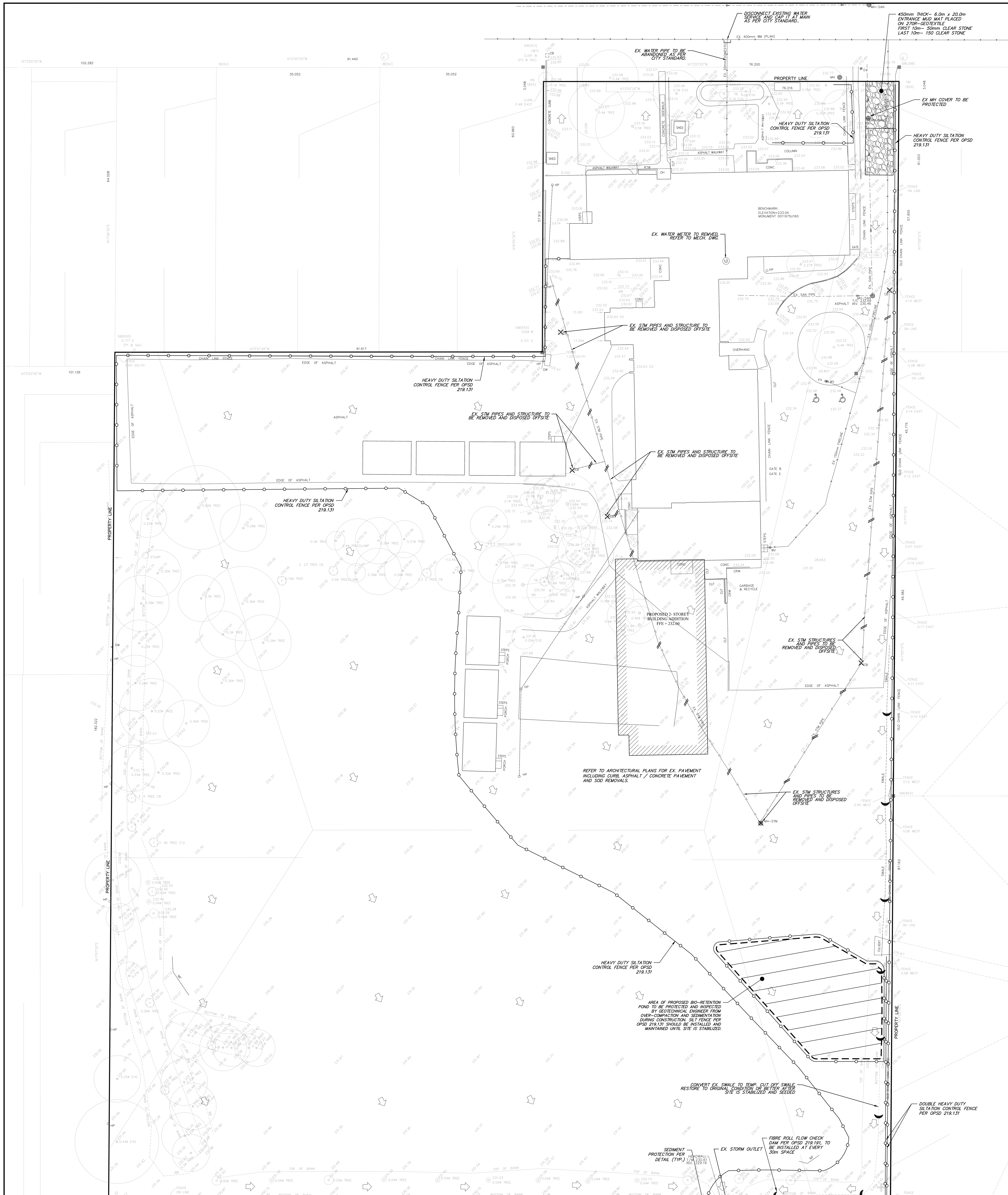
ANCHOR PIN NOTE:
PLACE ANCHOR PIN (X8) IN HOLES AROUND GROUND SLEEVE PRIOR TO POURING CONCRETE. ENSURE THERE IS A MIN 150MM EMBEDMENT FOR ANCHOR PINS ANCHOR PINS ARE TO HAVE A MIN 100MM OF COVERAGE ABOVE AND BELOW

2 IN GROUND WASTE ENCLOSURES
SP1 SCALE NTS



3 2.4m HIGH NOISE BARRIER
SP1 SCALE NTS


AIRPORT ROAD WEST
(ORIGINAL ROAD ALLOWANCE BETWEEN CONCESSIONS 4 AND 5)
PART 1
PLAN 62R – 20294
"MOUNT HOPE PUBLIC SCHOOL"
EXISTING 2 STOREY No. 9149
PROPOSED SECOND FLOOR ADDITION
PROPOSED 2 STOREY NEW ADDITION
PROPOSED INTERIOR RENOVATION
BENCHMARK:
ELEVATION=233.04
MONUMENT 00119750160
MAIN ENTRANCE
CHILDCARE ENTRANCE
BLOCK 265
BLOCK 264
PART 1, PLAN 62R–1182
LOT 5, CONCESSION 5
PLAN 62M–1275
PLAN 62M–860
PLAN 62M–717
LOT 6
LOT 7
LOT 8
LOT 9
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
BLOCK 39
PIN 17400 – 1019 (LT)
PIN 17400 – 1406 (LT)
PIN 17400 – 1407 (LT)
PIN 17400 – 0017 (LT)
PIN 17400 – 0026 (LT)
PIN 17400 – 0027 (LT)
PIN 17400 – 0028 (LT)
PIN 17400 – 0249 (LT)
PIN 17400 – 0255 (LT)
PIN 17400 – 0276 (LT)
PIN 17400 – 0278 (LT)
PIN 17400 – 0279 (LT)
PIN 17400 – 1018 (LT)
PIN 17399 – 0216 (LT)
PROPERTY LINE
CHAIN LINK FENCE
EDGE OF ASPHALT
BOTTOM OF BANK
TOP OF BANK
EX.SOD
PORTABLE ACCESS ROUTE
LINE OF CONSTRUCTION LIMIT & NEW SWALE, GRADES TO TIE INTO ADJACENT GRADES. REFER TO CIVIL DRAWINGS FOR DEPTH.
RAISED CONCRETE EDGE, REF. TO LANDSCAPE DWGS.
FIRE ROUTE
EMERGENCY SPILLWAY
BIO-RETENTION POND, REFER TO CIVIL DWGS.
1200 mm HIGH BLACK VINYL CHAIN LINK FENCING, REF. TO LANDSCAPING (TYP.)
2.4m HIGH WOOD SOUND BARRIER END, TOTAL LENGTH APPROX. 100m, REFER TO 3/SP1
IN GROUND GARBAGE BINS REFER TO 2/SP1
PRESCHOOL PLAY AREA
TODDLER PLAY AREA
INFANT PLAY AREA
OUTDOOR CLASSROOM (MULCH)
ARMOUR-BRIDGE SEATING ON LIMESTONE SCREENINGS, REF. LANDSCAPE DWGS.
4.2 sq.m. CONC SHED,ON PAD. (1.9m HIGH) TYP. REFER TO SPECS AND ADD DWGS
PAVEMENT MARKING
ACCESSIBLE PARKING SIGN
BOLLARDS OFFSET 150mm FROM CURB TYP.
CONC. CURB AD 208
MD ASPHALT AD 200
HD ASPHALT AD 200
FIRE ROUTE GATE AD 218
VEHICULAR CONCRETE PAVING
UNIT PAVERS CONCRETE
CONCRETE STAIR, COORD. WITH FFE & PROPOSED ELEV.
LINE OF EXISTING ASPHALT TO BE REPLACED
LINE OF PROPOSED ASPHALT
AREA OF NEW HD ASPHALT AND SUB BASE
AREA OF NEW ASPHALT TOP COAT ON EXISTING SUB-BASE
REMOVE AND REPLACE EXISTING ASPHALT, SOD & SUB BASE AS REQUIRE FOR NEW WATER LINE, REFER TO CIVIL DRAWINGS.
5.0m x 5.0m VISIBILITY TRIANGLE
LONG TERM BICYCLE PARKING BIKE RACKS (21 BIKES) 7 BIKES PER RACK, SEE AD 250 DETAIL
SHED
PORCH
METAL SIDED PORTABLE
RELOCATED METAL PORTABLE UNDER SEPERATE PERMIT
EX.FENCE 0.65 SOUTH
EX.FENCE 0.15 SOUTH
EX.FENCE 0.27 SOUTH
EX.FENCE 0.08 WEST
EX.FENCE 0.12 WEST
EX.FENCE 0.14 EAST
EX.FENCE 0.07 EAST
EX.FENCE 0.19 EAST
EX.FENCE 0.17 EAST
EX.FENCE 0.11 EAST
EX.FENCE 0.10 EAST
EX.FENCE 0.12 WEST
EX.FENCE 0.06 WEST
EX.FENCE 0.08 WEST
EX.FENCE ON LINE
N73°20'50"W (P3 & Mad)
101.126 (P3 & Mad)
N73°21'45"W (P1 & Mad)
91.617 (P1 & Mad)
N73°18'40"W (P2)
N73°20'25"W (P1 & Mad)
76.200 (P1,P2 & Mad)
76.216 (P2 & Mad)
N16°55'35"E (P1 & Mad)
57.912
N17°09'15"E (P1 & Set)
57.955
N17°11'35"E (P6 & Mad)
45.775
N17°05'10"E (P6 & Set)
49.382 (P6 & Set)
N17°07'05"E (P3 & Mad)
N73°19'05"W (P4 & Mad)
167.555 (P4 & Mad)
N17°05'10"E (P2 & Set)
97.212 (P2 & Mad)
61.003 (P1,P2 & Set)
57.912 (P1 & Mad)
60.960 (P1 & Set)
3.048 (P2 & Mad)
32.043 (P2 & Mad)
28910
53940
95650
108530
19090
42100
8100
8100
8



EROSION AND SEDIMENT CONTROL NOTES

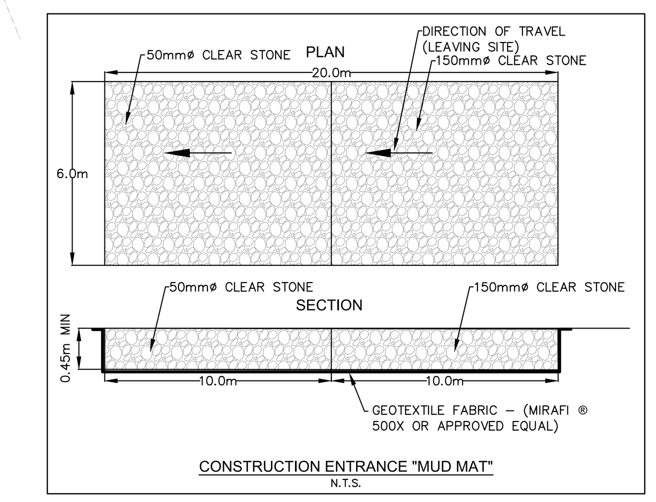
1. DURING THE SERVICING CONSTRUCTION, LIMIT OPEN TRENCH LENGTHS TO MINIMIZE EROSION POTENTIAL.
2. DURING WORK STOPPAGES OR INCLEMENT WEATHER, PLUG ENDS OF OPEN SEWERS TO PREVENT DOWNSTREAM SEDIMENTATION.
3. PROVIDE CATCHBASIN SEDIMENT PROTECTION ON ALL CATCHBASIN AND CATCHBASIN MANHOLES FOR THE DURATION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

GENERAL NOTES:

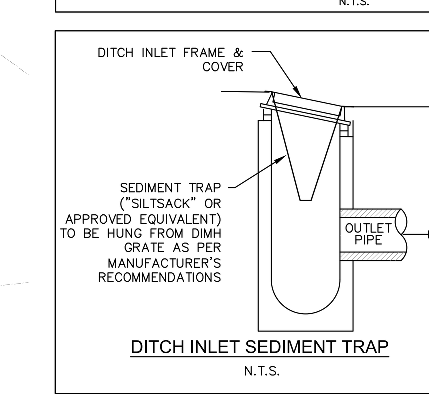
- PRIOR TO COMMENCEMENT OF ANY WORKS ON SITE, SNOW FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE MANAGER, DEVELOPMENT ENGINEERING, AND THAT THE SNOW FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE MANAGER, DEVELOPMENT ENGINEERING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

CITY NOTES:

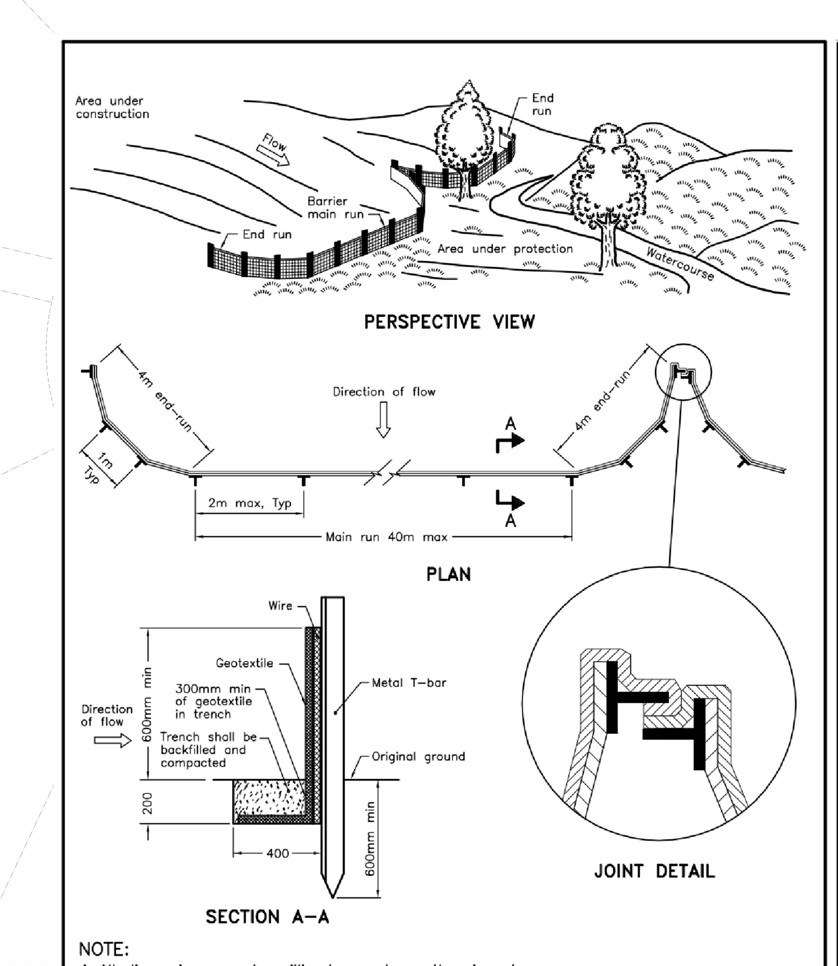
- ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
- ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE CITY OF HAMILTON.



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



DITCH INLET SEDIMENT TRAP
N.T.S.

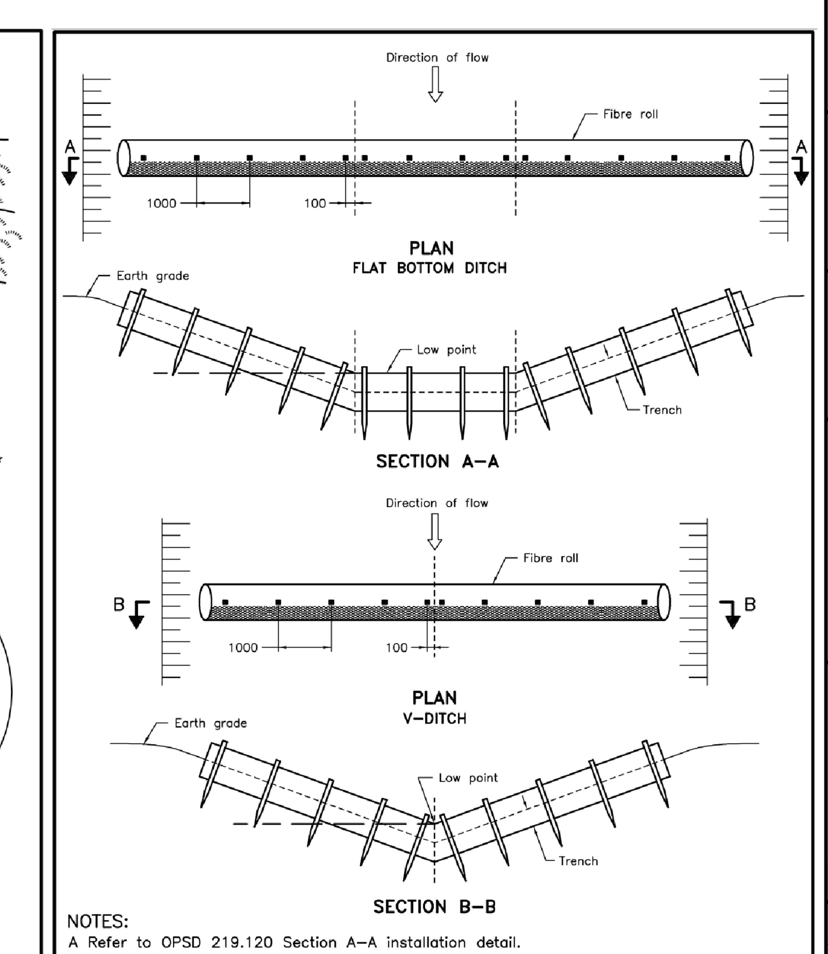


NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2015 | Rev 0

HEAVY–DUTY WIRE–BACKED SILT FENCE BARRIER

OPSD 219.131

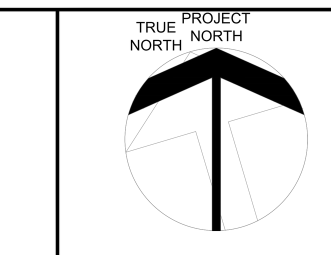


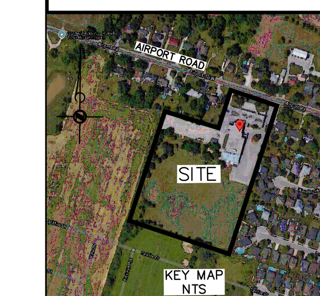
NOTES:
A Refer to OPSD 219.120 Section A–A installation detail.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2015 | Rev 0

FIBRE ROLL FLOW CHECK DAMS

OPSD 219.191





LEGEND

⟵	DENOTES ANCHOR WIRE
BOB	DENOTES BOTTOM OF BANK
CB	DENOTES CATCH BASIN
C.I.	DENOTES CONCRETE ISLAND
CCG	DENOTES CONCRETE CURB & GUTTER
CCUT	DENOTES CURB CUT
CLF	DENOTES CHAIN LINK FENCE
CONC.	DENOTES CONCRETE
CSW	DENOTES CONCRETE SIDEWALK
FH	DENOTES FIRE HYDRANT
GV	DENOTES GAS VALVE
GM	DENOTES GAS METER
LS	DENOTES LIGHT STANDARD
MH	DENOTES MANHOLE
PWF	DENOTES POST & WIRE FENCE
	DENOTES STREET SIGN
UP	DENOTES UTILITY POLE
WV	DENOTES WATER VALVE
WVC	DENOTES WATER VALVE CHAMBER
	DENOTES DECIDUOUS TREE
	DENOTES CONIFEROUS TREE
	DENOTES TOP OF BANK
	DENOTES FENCE LINE
	DENOTES OVERHEAD WIRE
BUSH	DENOTES EDGE OF BUSH
202.63	–EXISTING ELEVATIONS
	–PROPOSED SILT FENCE
	–EXISTING OVERLAND FLOW
	–PROPOSED SEDIMENT PROTECTION
	–FIBRE ROLL FLOW CHECK DAM
	–PROPOSED MUD MAT
// X	– PROPOSED REMOVALS

NOTE:
TOPOGRAPHIC DATA SHOWN ON THIS PLAN HAS BEEN DERIVED FROM A.T. MCLAREN LTD., DATED JAN 29, 2025. FILE NO: 37884–UP.

EXISTING SERVICING INFORMATION IS TAKEN FROM CITY OF HAMILTON RECORD DRAWINGS, DWG. 88–S–16_11AB.

BENCH MARK:
STATION: 0011975U160
MOUNT HOPE SCHOOL, ALONG AIRPORT ROAD, 0.6 KM WEST OF INTERSECTION WITH HIGHWAY NO.6, TABLET IN EAST CONCRETE FOUNDATION, 57 CM NORTH OF CONCRETE STEPS FOR SIDE DOOR, 36 CM BELOW BRICKWORK.
ELEVATION: 233.039 CGVD28: 78

NO.	DESCRIPTION	DATE (mm-dd-yy)
4.	ISSUED FOR TENDER	11-20-2025
3.	ISSUED FOR SPA	09-23-2025
2.	ISSUED FOR SPA	04-03-2025
1.	ISSUED FOR PCA COMMENTS	11-19-2024

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

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

MOUNT HOPE ELEMENTARY SCHOOL PROPOSED ADDITION
9149 Airport Rd, Mount Hope , ON L0R 1W0
CITY FILE#: SPA-25-041

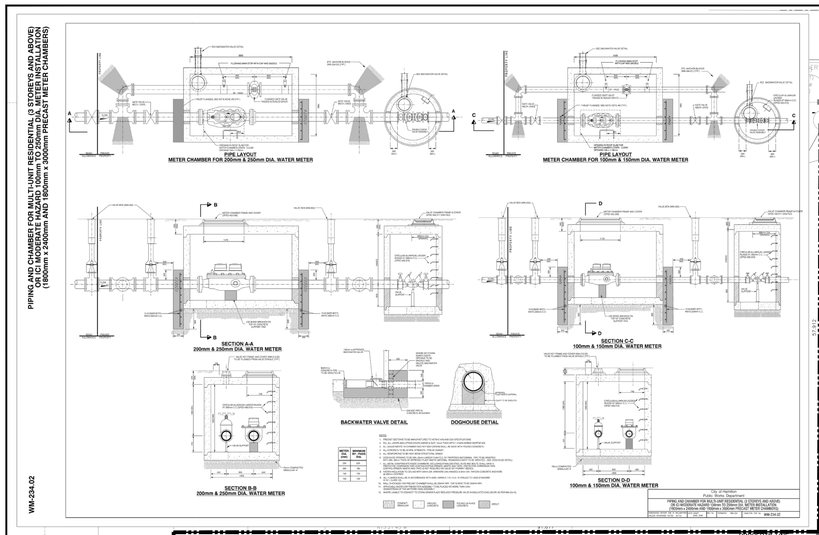
LEGAL DESCRIPTION
PART OF LOT 5 CONCESSION 5, GEOGRAPHIC TOWNSHIP OF GLANFORD IN THE CITY OF HAMILTON

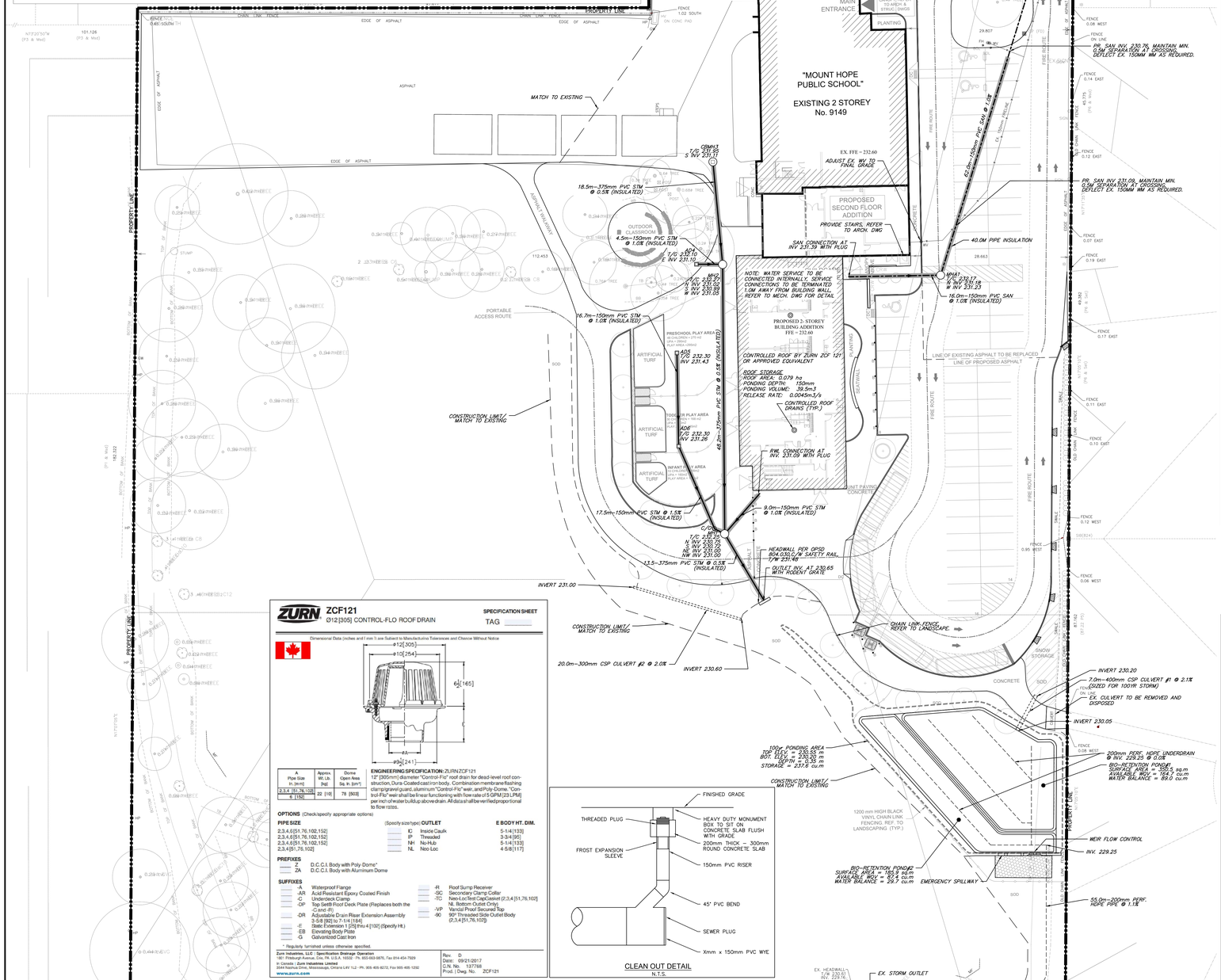
LICENSED PROFESSIONAL ENGINEER C. SHI 100559939 NOV.20, 2025 PROVINCE OF ONTARIO

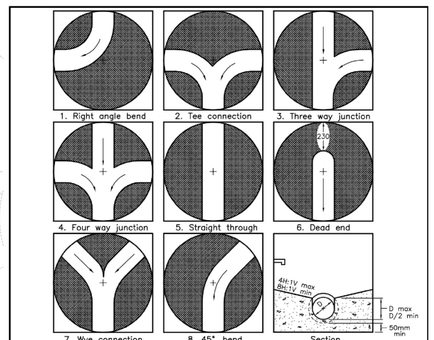
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

CLIENT:
HOSSACK & ASSOCIATES ARCHITECTS
105 - 1939 IRONOAK WAY OAKVILLE, ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

SCALE 1:300	PROJECT 2024-026
DATE NOV. 2024	
DRAWN AB	DRAWING EROSION AND SEDIMENT CONTROL PLAN
CHECKED CS	CV-1
PRINT DATE	
CAD FILE	







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

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

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2014 | Rev 4

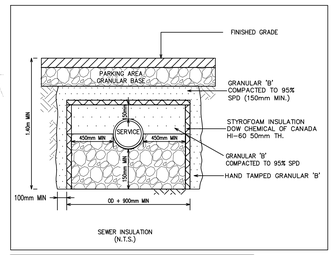
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES

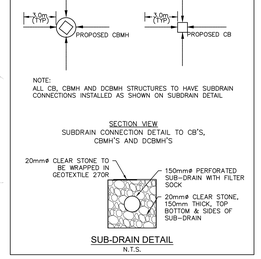
OPSD 701.021

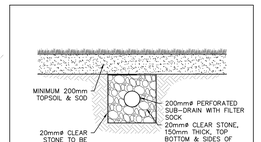
NOTE:
CONTRACTOR TO CONTACT MGM CONSULTING INC. IMMEDIATELY SHOULD THERE BE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED GRADING AND/OR SERVICING DESIGN, OR CONFLICTS IN CONSTRUCTING THE WORK AS PER THE INTENT OF THE APPROVED DESIGN PRIOR TO CONSTRUCTION.

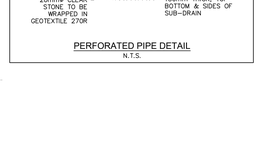
NOTE:
1. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE CITY AND MGM CONSULTING INC.
2. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION.
3. CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE 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.
6. NO CONSTRUCTION SHALL TAKE PLACE ON ADJACENT PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE RESPECTIVE LAND OWNER.
7. PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE SITE, SILT FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE DIRECTOR, DEVELOPMENT ENGINEERING, AND THE SILT FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE DIRECTOR DEVELOPMENT ENGINEERING.
8. PARKING STALL DELINEATION SHALL BE WITH 100mm WIDE WHITE OR YELLOW MARKINGS.
9. THE EXISTING BOULEVARD IS TO BE RESTORED IMMEDIATELY FOLLOWING CONSTRUCTION TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF HAMILTON.
10.CONTRACTOR SHALL INFORM THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORKS ON MUNICIPAL STREET.
11.CONCRETE CURB WITHIN THE SITE TO BE INSTALLED AS PER OPSD 600.110.

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









CITY OF HAMILTON STANDARD NOTES:

1) ALL SERVICES TO BE INSTALLED AS PER CITY OF HAMILTON CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL (LATEST EDITION) AND MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).

2) MINIMUM HORIZONTAL SEPARATION BETWEEN WATER SERVICES/MAINS AND SEWER DRAINS AND MUNICIPAL SEWER MAINS SHALL BE 2.5M MEASURED FROM THE CLOSEST PIPE EDGE TO CLOSEST PIPE EDGE. VERTICAL SEPARATION WHERE WATER SERVICE/MAIN PASSES OVER A SEWER DRAIN OR MUNICIPAL SEWER MAIN MUST BE A MINIMUM OF 0.25M UNLESS GREATER SEPARATION IS REQUIRED TO PROVIDE FOR PROPER BEDDING AND STRUCTURAL SUPPORT. WATER SERVICES/MAINS PASSING UNDER SEWER DRAINS OR MUNICIPAL SEWER MAINS MUST HAVE A SEPARATION OF 0.5M BETWEEN THE INVERT OF THE SEWER MAIN/DRAIN AND THE CROWN OF THE WATER SERVICE / MAIN. ALL WATER SERVICES TO BE INSTALLED WITH A MINIMUM OF 1.6M COVER. SEWER DRAINS TO BE INSTALLED WITH A MINIMUM COVER OF 2.20M AT THE PROPERTY LINE BELOW THE FINAL ROAD GRADE OR AT SUCH HIGHER ELEVATION ONLY AS MAY BE NECESSITATED BY THE LEVEL OF THE MAIN SEWER. ON PRIVATE PROPERTY THE MINIMUM COVER FOR SEWER DRAINS IS TO BE NO LESS THAN 1.2M.

3) APPROVAL OF THIS DRAWING IS FOR MATERIAL ACCEPTABILITY AND COMPLIANCE WITH MUNICIPAL AND PROVINCIAL SPECIFICATIONS AND STANDARDS ONLY. APPROVAL AND INSPECTION BY THE CITY OF THE WORKS DOES NOT CERTIFY THE LINE AND GRADE OF THE WORKS AND IT IS THE OWNER'SRESPONSIBILITY TO HAVE THEIR ENGINEER CERTIFY THIS ACCORDINGLY.

4) ALL BACKFLOW PREVENTION DEVICES MUST BE SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE CITY OF HAMILTON'S BACKFLOW PREVENTION BY-LAW # 10-103, INCLUDING THE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION ETC., AND GUIDELINES SET OUT IN THE MOST RECENT VERSIONS OF THE AWWA CANADIAN CROSS CONNECTION CONTROL MANUAL AND THE CSA. B64.10 / 07 / B64. 10.1–07 STANDARDS. IN SELECTING A BACKFLOW DEVICE FOR A PROPERTY, CONSIDERATION MUST BE GIVEN TO FUTURE POSSIBLE USES OF THE SITE WHICH COULD RESULT IN A HIGHER RISK TO THE MUNICIPAL DRINKING WATER SYSTEM, THUS MAKING THE DEVICE INITIALLY CHOSEN INADEQUATE FOR THE NEW PURPOSE AND REQUIRING FUTURE CHANGE OUT AT THE OWNER'S EXPENSE.
SHOULD THERE BE ANY QUESTIONS OR CLARIFICATION REQUIRED PLEASE CONTACT THE GROWTH MANAGEMENT DIVISION, DEVELOPMENT ENGINEERING APPROVALS SECTION AT (905) 546–2424 X4426 OR X4147 AND YOU WILL BE DIRECTED TO THE APPROPRIATE STAFF MEMBER TO ANSWER YOUR INQUIRY.

WATER SERVICING NOTES:

(A) WATER SERVICES ARE TO BE INSTALLED PERPENDICULAR TO THE EXISTING WATERMAIN AND STRAIGHT INTO THE BUILDING.

(B) WATER SERVICES TO BE INSTALLED WITH A MINIMUM COVER OF 1.6 M.

(C) WATER SERVICE LOWERINGS, 100 TO 300 MM PIPE, TO BE AS PER WM–204.13, SERVICE DEFLECTIONS, WHERE FEASIBLE, SHOULD BE LESS THAN OR EQUAL TO 50 % OF THE VALUES RECOMMENDED BY THE MANUFACTURER, AS PER CITY FORM 400.

(D) WATERMAIN BEDDING AND COVER MATERIAL TO BE INSTALLED AS PER WM–200.01 (CONCRETE AND PVC WATERMAINS AND SERVICES) AND WM–200.02 (DUCTILE IRON WATERMAINS AND SERVICES) WITH GRANULAR "A" FOR BOTH BEDDING AND COVER. BEDDING AND COVER FOR SMALL DIAMETER SERVICES (I.E. 50 MM AND UNDER TO BE AS PER WM– 200.01 WITH GRANULAR "B" FOR BOTH BEDDING AND COVER. WATER SERVICES TO BE INSTALLED WITH A MINIMUM COVER OF 1.6 M.

(E) PROPOSED SYSTEM MATERIAL:

FOR SERVICES GREATER THAN 50 MM, THE PROPOSED WATER SERVICE PIPE WITHIN THE ROAD ALLOWANCE AND ON PRIVATE PROPERTY MAY EITHER BE DUCTILE IRON (CLASS 52), COPPER, OR PVC RATED AT MINIMUM WORKING PRESSURE OF 150 PSI (DR18). SERVICES 50 MM AND LESS MUST BE COPPER WITHIN THE ROAD ALLOWANCE, HOWEVER, PVC OR AN ALTERNATE MATERIAL APPROVED FOR USE UNDER THE ONTARIO BUILDING CODE MAY BE USED ON PRIVATE PROPERTY, AS LONG AS IT IS RATED AT A MINIMUM 150 PSI. NOTE: SERVICE SIZES OF 75 MM ARE NOT PERMITTED FOR CONNECTION TO MUNICIPAL WATERMAINS.

NOTE: PVC WATER MAIN/SERVICE MATERIAL, CATHODIC PROTECTION, TRACER WIRE ETC. MUST BE AS PER FORM 400.

(F) IN ACCORDANCE WITH THE CITY OF HAMILTON BACKFLOW PREVENTION BY–LAW #10–103, A BACKFLOW PREVENTION DEVICE MUST BE INSTALLED AND MAINTAINED ON ALL EXISTING AND/OR PROPOSED WATER SERVICES TO INDUSTRIAL, COMMERCIAL, INSTITUTIONAL PROPERTIES AND ALSO MULTI–RESIDENTIAL BUILDINGS OVER THE HEIGHT OF 3 STORIES.

WHERE A FIRE PROTECTION SYSTEM EXISTS OR IS PROPOSED WITHIN A BUILDING, THE SERVICE MUST ALSO BE PROTECTED AGAINST BACKFLOW IN ACCORDANCE WITH THE CSA STANDARDS, AND THE BACKFLOW DEVICE MUST BE EITHER A DOUBLE CHECK DETECTOR ASSEMBLY OR A REDUCED PRESSURE DETECTOR ASSEMBLY WITH A DETECTOR METER WHICH IS CAPABLE OF MEASUREMENTS IN CUBIC METERS.

(G) CURB STOPS (VALVES) LESS THAN 300 MM TO BE INSTALLED WITH A BOX AS PER WM–202.

(H) IF A FIRE SERVICE IS PROPOSED TO A BUILDING, THE SERVICE MUST BE PROTECTED AGAINST BACKFLOW IN ACCORDANCE WITH THE CSA AND ONTARIO BUILDING CODE. THE BACKFLOW DEVICE MUST BE INSTALLED AT THE SERVICE POINT OF ENTRY AND SHALL BE EITHER A DOUBLE CHECK DETECTOR ASSEMBLY OR A REDUCED PRESSURE DETECTOR ASSEMBLY WITH A DETECTOR METER WHICH IS CAPABLE OF MEASUREMENTS IN CUBIC METERS. MAY BE REQUIRED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.

(I) DESIGN STANDARDS FOR STANDARD SYSTEM COMPONENTS (I.E. HYDRANTS, METER CHAMBERS, THRUST BLOCKS, VALVES, PIPING ARRANGEMENTS ETC.)

NOTE: ALL SYSTEM COMPONENTS ARE TO BE AS PER CITY OF HAMILTON STANDARDS (RD, SEW, FORMS AND WM) OR ONTARIO PROVINCIAL STANDARD DRAWING (OPSD). WHERE A CITY STANDARD EXISTS IT SHALL TAKE PRECEDENCE.

THE FOLLOWING REPRESENTS A PARTIAL LIST OF THE MORE COMMONLY USED OR MAJOR SYSTEM COMPONENTS, AND ITEMS SPECIFIC TO CITY REQUIREMENTS. FOR A COMPLETE LIST, PLEASE REFER TO THE ABOVE NOTED DOCUMENTS.

– ALL HYDRANTS ARE TO BE INSTALLED AS PER WM–203.01 AND/OR WM–203.02, AS APPLICABLE, AND ARE TO BE COMPLETE WITH A SECONDARY VALVE. SECONDARY VALVES ARE TO BE CLOSE COUPLED TO THE HYDRANT IN ALL CASES, AND ARE TO OPEN RIGHT IN THE ORIGINAL CITY OF HAMILTON (PRIOR TO AMALGAMATION), AND LEFT IN THE OTHER FIVE MUNICIPALITIES COMPRISING THE NEW CITY OF HAMILTON. THE MAIN HYDRANT VALVE IS TO BE OPEN LEFT, WITH CLEAR MARKINGS CAST IN THE BONNET SHOWING AN OPEN LEFT DIRECTIONAL INDICATOR ARROW. A BLACK LETTER "L" MUST ALSO BE STENCILED ON THE UPPER BONNET INDICATING THAT THE VALVE OPENS LEFT. HYDRANTS ARE TO BE EQUIPPED WITH 100 MM (4 INCH) "STORM" PUMPER NOZZLES, BLACK IN COLOUR.

– INTERNAL WATER METER INSTALLATION TO BE AS PER WM–210. IT SHOULD BE NOTED THAT THE METER BY–PASS, AS SHOWN ON THE STANDARD DRAWING IS REQUIRED IN ALL INSTALLATIONS, INCLUDING WATER FILLING STATIONS.

– WATER METERS TO BE INSTALLED IN A CHAMBER ARE TO BE AS PER WM–209 (16 MM TO 50 MM METER) AND WM–234 (100 MM TO 250 MM METER). IT SHOULD BE NOTED THAT THE METER BY–PASS, AS SHOWN ON THE STANDARD DRAWING IS REQUIRED IN ALL INSTALLATIONS, INCLUDING WATER FILLING STATIONS.

– VALVE BOX INSTALLATION FOR 100 MM TO 300 MM WATERMAINS AS PER WM–202.

– TAPPING VALVE CHAMBERS TO BE AS PER WM–201.02 (PRECAST FOR 300 MM WATERMAINS AND SMALLER), OR WM–235 (PRECAST FOR 100 MM TO 300 MM TAPPING OFF 400 MM TO 600 MM).

– PIPING ARRANGEMENT FOR 100 MM TO 300 MM WATER SERVICE CUTTING IN WITH TEE AND SLEEVE TO BE AS PER WM–207.04; PIPING ARRANGEMENT FOR 100 MM TO 300 MM WATER SERVICE CONNECTION CUTTING IN WITH TAPPING VALVE AND SLEEVE TO BE AS PER WM–207.05; PIPING ARRANGEMENT FOR 100 MM TO 300 MM DIAMETER DUCTILE IRON SERVICES OFF 400 MM TO 600 MM DIAMETER MUNICIPAL WATERMAINS, TO BE AS PER WM–235, CHAMBER OMITTED.

(J) ALL UNUSED WATER SERVICES ARE TO BE PROPERLY ABANDONED. FOR SERVICES 50 MM AND LESS THE FOLLOWING NOTES SHOULD BE INCLUDED ON THE PLAN.

"WATER SERVICE ABANDONMENT"

(I) REMOVE CURB STOP.
(II) CUT AND CRIMP WATER SERVICE AT THE MAIN.
(III) CLOSE MAINSTOP

FOR SERVICES GREATER THAN 50 MM, USING A TEE AND SLEEVE, THE TEE SHOULD BE REMOVED AND REPLACED WITH A SECTION OF PIPE AND SLEEVE. WHERE A TAPPING VALVE WAS USED THE APPLICANT SHOULD CONTACT THE CITY FOR FURTHER DIRECTION.

ALL EXISTING WATER METERS ON SYSTEMS TO BE ABANDONED MUST BE REMOVED AND SALVAGED BY THE CITY OF HAMILTON. THE SERVICING CONTRACTOR SHOULD CONTACT THE WATER AND WASTEWATER SECTION, PUBLIC WORKS DEPARTMENT AT 905 546–2424 X4426 TO ARRANGE FOR THE WORK, AND A NOTE TO THIS EFFECT SHOULD BE INCLUDED ON THE PLAN.

(K) ANCHOR OR THRUST BLOCKS ARE TO BE INSTALLED AT ALL WATER SERVICE ELBOWS, TEES, PLUGS ETC. FOR 300 MM DIAMETER WATER SERVICES AND SMALLER, ANCHOR BLOCKS ARE TO BE AS PER WM–204.01. FOR WATER SERVICES GREATER THAN 300 MM, ANCHOR BLOCKS ARE TO BE AS PER WM–204.02 TO WM–204.13 AS APPLICABLE.

(L) INSPECTION AND TESTING OF WATER SERVICES AND WATERMAINS TO BE TO THE SATISFACTION OF THE CITY OF HAMILTON AND IN ACCORDANCE WITH FORM 400 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL (LATEST EDITION) AND MOE GUIDELINES

SEWER SERVICING:

(A) ALL PROPOSED SEWERS, THROUGHOUT THEIR LENGTH FROM THE MAIN SEWER TO THE BUILDING OR PLACE TO BE DRAINED IS TO BE LAID, AS NEARLY AS PRACTICAL, IN STRAIGHT LINE IN A TRENCH AT A RIGHT ANGLE TO THE MAIN SEWER.

(B) SEWERS TO BE INSTALLED WITH A MINIMUM COVER OF 2.20M AT THE PROPERTY LINE BELOW THE FINAL ROAD GRADE OR AT SUCH HIGHER ELEVATION ONLY AS MAY BE NECESSITATED BY THE ELEVATION OF THE MAIN SEWER. ON PRIVATE PROPERTY THE MINIMUM COVER IS TO BE NO LESS THAN 1.2M.

(C) STORM AND SANITARY FLOWS MUST BE SEPARATED WHEREVER POSSIBLE, AND THE INSTALLATION OF NEW COMBINED STORM AND SANITARY SEWERS IS NOT PERMITTED. REFER TO ITEM (M) BELOW FOR DETAILS RESPECTING THE CONNECTION OF SEPARATE STORM AND SANITARY SEWER FOR A DEVELOPMENT TO A COMBINED MUNICIPAL SEWER.

(D) MINIMUM HORIZONTAL SEPARATION BETWEEN SEWERS AND WATERMAINS SHALL BE 2.5M. VERTICAL CLEARANCE BETWEEN SEWERS AND WATERMAINS WHICH CROSS TO BE 500MM, BETWEEN THE OUTSIDE OF THE WATERMAIN, AND OUTSIDE OF THE SEWER. THE LENGTH OF WATER PIPE SHOULD BE CENTERED AT THE POINT OF CROSSING SUCH THAT JOINTS IN THE WATERMAINS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, CROSSING PERPENDICULAR IF POSSIBLE.

(E) PROPOSED SEWER INVERTS MUST BE PROVIDED INCLUDING THE SLOPE OF THE PIPE.

(F) PROPOSED SANITARY AND STORM SEWERS SHALL BE EITHER; (A) PVC SDR 28 FOR 150MM DIAMETER AND SDR 35 FOR OTHER SIZES; (B) CLASS 3 CONCRETE (CSA A257.1–M92).

RIBBED OR PROFILE PIPE IS NO LONGER PERMITTED FOR SANITARY OR STORM USE, INCLUDING PRIVATE DRAINS AND CATCH BASIN LEADS.

IT IS RECOMMENDED THAT PVC PIPE NOT BE USED WHERE IT WILL BE EXPOSED TO CONTAMINATED SOILS AND IN INDUSTRIAL/HEAVY COMMERCIAL AREAS WHERE IT MAY COME INTO CONTACT WITH MATERIALS DETERMINED TO THE PVC MATERIALS.

(G) SEWER BEDDING, COVER AND BACKFILL FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010 WITH GRANULAR "A" FOR BOTH FOR BEDDING AND COVER. REFERENCE HOWEVER SHOULD BE MADE TO THE OPSD STANDARDS FOR ALTERNATE BEDDING AND BACKFILL SPECIFICATIONS AS DETERMINED BY THE PROPOSED PIPE MATERIALS AND EXCAVATION CONDITIONS.

(H) MINIMUM SIZE OF SANITARY DRAINS LOCATED WITHIN THE ROAD ALLOWANCE TO BE 150MM IN THE ORIGINAL CITY OF HAMILTON AND 125MM IN THE OTHER AREA MUNICIPALITIES NOW COMPRISING THE NEW CITY.

ALL EXISTING UNUSED SEWER TO PROPERTY BEING REDEVELOPED, IN WHOLE OR PART, MUST BE REMOVED FROM MUNICIPAL PROPERTY I.E. ROAD ALLOWANCE ETC., WITH AN APPRECIATE REPAIR TO THE MUNICIPAL SEWER TO WHICH IT CONNECTED, AND EITHER REMOVED FROM PRIVATE PROPERTY OR ABANDONED IN ACCORDANCE WITH CITY MINIMUM REQUIREMENTS I.E. PLUGGED AT EITHER END WITH A MINIMUM 300MM CONCRETE. APPROPRIATE NOTES SHOULD BE INCLUDED ON THE PLAN SUBMITTED FOR PERMIT.

(I) MAINTENANCE HOLES ARE REQUIRED AT ALL CHANGES IN PIPE SIZE, CHANGES IN PIP DIRECTION, ENDS OF PIPE RUNES AND AS CLEANOUTS. MAXIMUM SPACING FOR MAINTENANCE HOLES IS 120M FOR PIPES 200MM TO 1050MM AND 150M FOR PIPES 1200MM AND LARGER.

MAINTENANCE HOLES ARE TO BE AS PER OPSD STANDARDS AND ARE TO BE SUMPLESS. A PARTIAL LIST IS NOTED IN \\JTEM (O) BELOW.

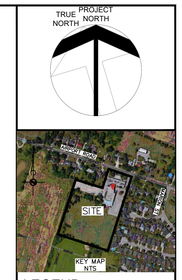
(K) A DROP STRUCTURE IS REQUIRED AT ALL MANHOLES WHERE THERE IS A DROP OF GREATER THAN 600MM BETWEEN THE INVERT OF THE UPSTREAM PIPE AND THE INVERT OF THE DOWNSTREAM PIPE AND IS TO BE AS PER OPSD 1003.010. GENERALLY THE SIZE OF THE DROP PIPE SHALL BE ONE SIZE SMALLER THAN THE CONNECTING SEWERS, MINIMUM SIZE 200MM.

(L) CATCH BASINS WITHIN THE CITY OF HAMILTON, EXCLUDING THOSE WITHIN SINGLE FAMILY RESIDENTIAL SODDED YARDS, MUST BE AS PER OPSD 705.010 (SINGLE) OR OPSD 705.020 (DOUBLE) AND MUST BE MODIFIED WITH A GOSS TRAP AS PER SEW–304. ALL PRIVATE PROPERTY CATCH BASINS ARE TO HAVE A MINIMUM LEAD OF 200MM FOR A SINGLE AND 250MM FOR A DOUBLE CATCH BASIN. CATCH BASINS ARE TO INCLUDE A MINIMUM 600MM SUMP.

STORM STRUCTURE INFORMATION			
STRUCTURE	STRUCTURE SIZE	STRUCTURE OPSD	FRAME/GRATE OPSD
MH1	1200	701.010	401.010
MH2	1200	701.010	401.010
CBMH3	1200	701.010	400.010
CB4	600X600	705.010	400.010
AREA DRAIN	300X300	ZURN Z610 HEAVY DUTY	

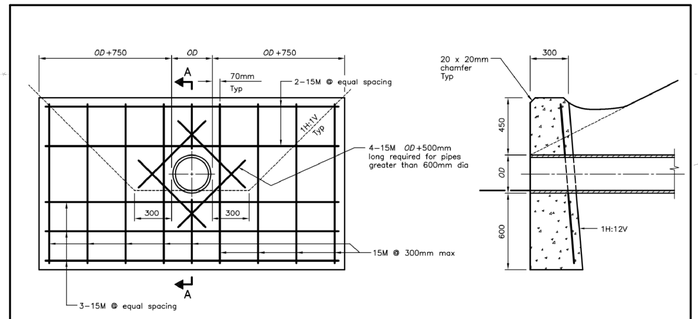
SANITARY STRUCTURE INFORMATION			
MHA1	1200	701.010	401.010

TRUE NORTH
PROJECT NORTH



LEGEND

ANCHOR	DENOTES ANCHOR WIRE
BOB	DENOTES BOTTOM OF BANK
CB	DENOTES CATCH BASIN
C.I



FRONT ELEVATION

SECTION A–A

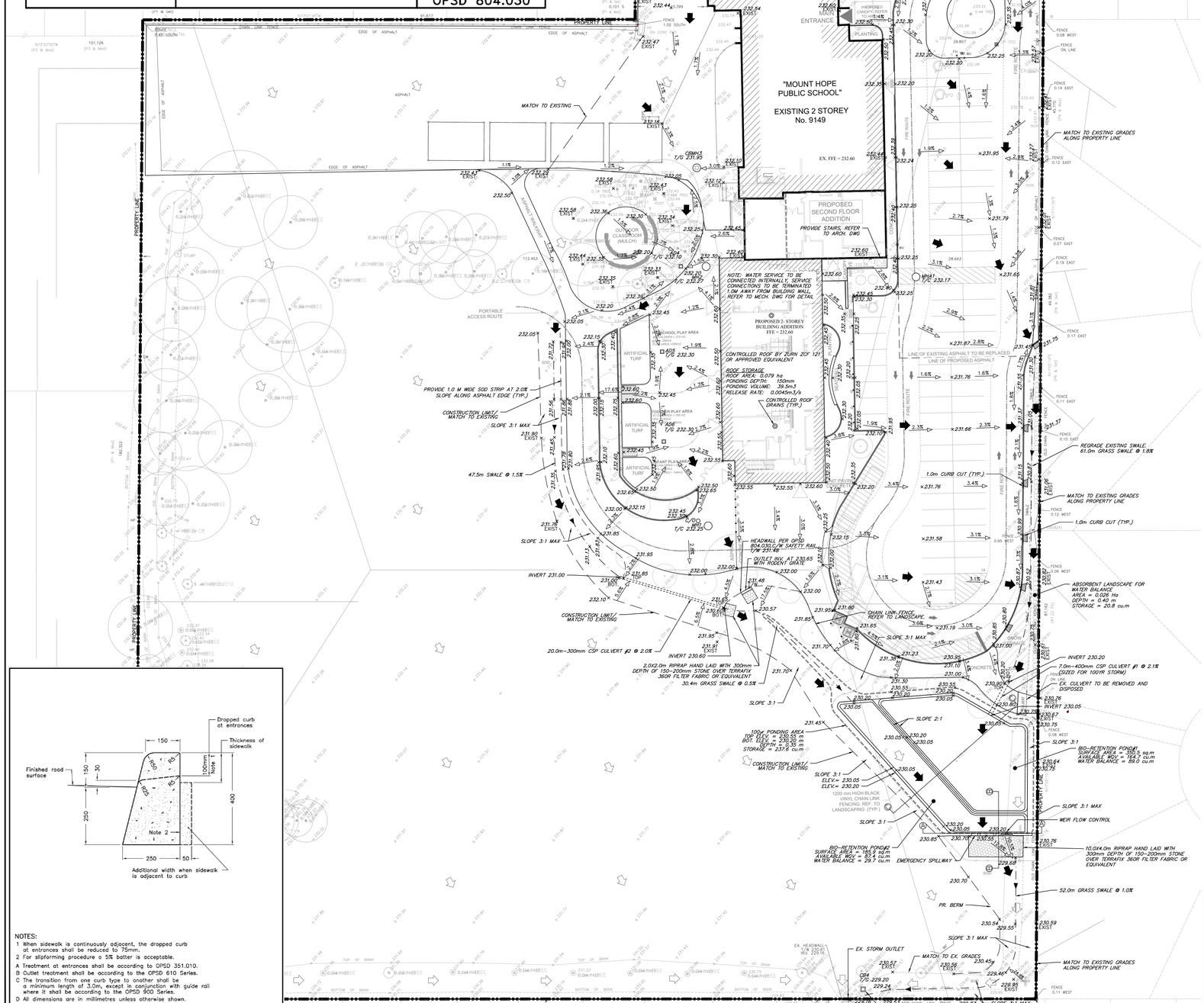
LEGEND:

OD – Outside diameter of pipe

NOTES:

A This OPSD to be read in conjunction with OPSD 3940.150.
B If a steel grate is required, refer to OPSD 804.05.
C Class of concrete: 30MPa.
D Cover to reinforcing bars 70mm ± 20mm.
E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2017	Rev 2
CONCRETE HEADWALL FOR PIPE LESS THAN 900mm DIAMETER		OPSD 804.030



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 DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE CITY 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.
6. NO CONSTRUCTION SHALL TAKE PLACE ON ADJACENT PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE RESPECTIVE LAND OWNER.
7. PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE SITE, SILT FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE DIRECTOR, DEVELOPMENT ENGINEERING, AND THE SILT FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE DIRECTOR DEVELOPMENT ENGINEERING.
8. PARKING STALL DELINEATION SHALL BE WITH 100mm WIDE WHITE OR YELLOW MARKINGS.
9. THE EXISTING BOULEVARD IS TO BE RESTORED IMMEDIATELY FOLLOWING CONSTRUCTION TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CITY OF HAMILTON.
10. CONTRACTOR SHALL INFORM THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORKS ON MUNICIPAL STREET.
11. CONCRETE CURB WITHIN THE SITE TO BE INSTALLED AS PER OPSD 600.110.

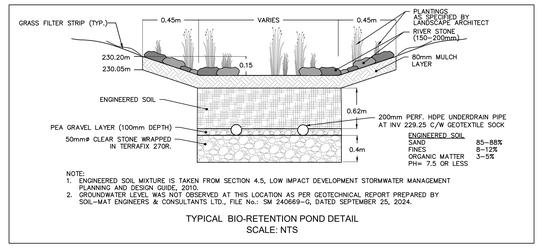
CONSTRUCTION NOTES AND SPECIFICATIONS:
1. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:
   1.1. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDES BUT NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE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

TYPICAL DESIGN ABSORBENT SOIL

SAND	60–70%
SILT	20–40%
CLAY	5–10%
ORGANIC MATTER	2–5%

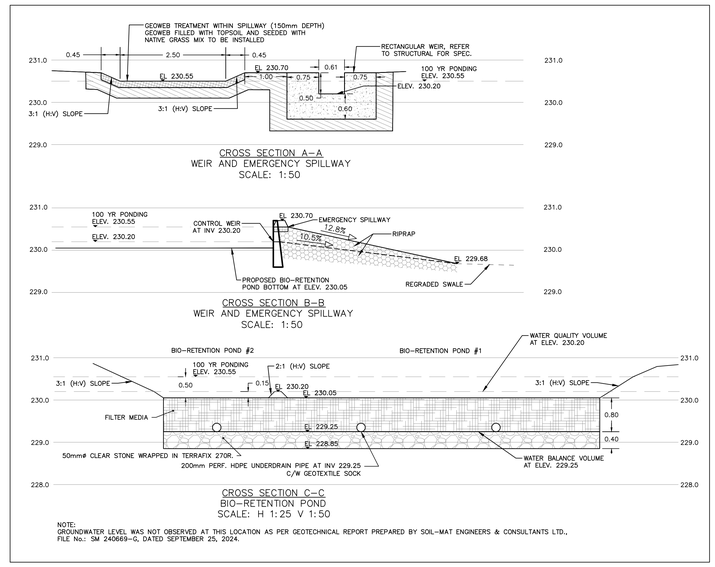
PH= 7.5 OR LESS
*ABSORBENT SOIL MIXTURE IS TAKEN FROM SECTION 5, APPENDIX F, WET WEATHER FLOW MANAGEMENT, CITY OF TORONTO.

*ABSORBENT LANDSCAPE FOR WATER BALANCE
AREA = 0.015 Ha
DEPTH = 0.40 m
STORAGE = 12.0 cu.m

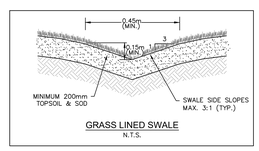


NOTE:
1. ENGINEERED SOIL MIXTURE IS TAKEN FROM SECTION 4.5, LOW IMPACT DEVELOPMENT STORMWATER MANAGEMENT PLANNING AND DESIGN GUIDE, 2010.
2. GROUNDWATER LEVEL WAS NOT OBSERVED AT THIS LOCATION AS PER GEOTECHNICAL REPORT PREPARED BY SOIL–MAT ENGINEERS & CONSULTANTS LTD., FILE No.: SM 240669–G, DATED SEPTEMBER 25, 2024.

TYPICAL BIO-RETENTION POND DETAIL
SCALE: NTS



NOTE:
GROUNDWATER LEVEL WAS NOT OBSERVED AT THIS LOCATION AS PER GEOTECHNICAL REPORT PREPARED BY SOIL–MAT ENGINEERS & CONSULTANTS LTD., FILE No.: SM 240669–G, DATED SEPTEMBER 25, 2024.



GRASS LINED SWALE
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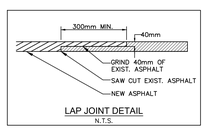
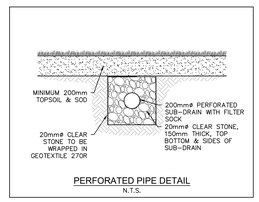
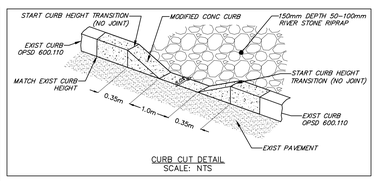


LAP JOINT DETAIL
N.T.S.



PERFORATED PIPE DETAIL
N.T.S.



CURB CUT DETAIL
SCALE: NTS

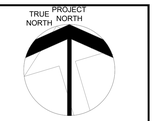
NOTES:
1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
2 For sliptforming procedure a 5% batter is acceptable.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 610 Series.
C The transition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

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

LAYER DESCRIPTION	COMPACTION REQUIREMENTS	LIGHT DUTY SECTIONS	HEAVY DUTY [TRUCK ROUTE]
Asphaltic Concrete Wearing course OPSS HL 3 or HL 3A	92 per cent Marshall	40 millimetres	40 millimetres
Binder Course OPSS HL 8	92 per cent Marshall	50 millimetres	80 millimetres
Base Course OPSS Granular A	100% SPMDD	150 millimetres	150 millimetres
Sub-base Course OPSS Granular B Type II	100% SPMDD	300 millimetres	450 millimetres

* SPMDD denotes Standard Proctor Maximum Dry Density, ASTM-D698.

NOTE: RECOMMENDED PAVEMENT STRUCTURES ARE TAKEN FROM GEOTECHNICAL REPORT BY SOIL–MAT ENGINEERS & CONSULTANTS LTD.; DATED JANUARY 13, 2022; PROJECT No.: SM 220514–G.



LEGEND

BOB	DENOTES BOTTOM OF BANK
CB	DENOTES CATCH BASIN
C.I.	DENOTES CONCRETE ISLAND
CCG	DENOTES CONCRETE CURB & GUTTER
CCUT	DENOTES CURB CUT
CLF	DENOTES CHAIN LINK FENCE
CONC.	DENOTES CONCRETE
CSW	DENOTES CONCRETE SIDEWALK
FH	DENOTES FIRE HYDRANT
GV	DENOTES GAS VALVE
GM	DENOTES GAS METER
LS	DENOTES LIGHT STANDARD
MH	DENOTES MANHOLE
PWF	DENOTES POST & WIRE FENCE
	DENOTES STREET SIGN
UP	DENOTES UTILITY POLE
WV	DENOTES WATER VALVE
WVC	DENOTES WATER VALVE CHAMBER
	DENOTES DECIDUOUS TREE
	DENOTES CONIFEROUS TREE
	DENOTES TOP OF BANK
	DENOTES FENCE LINE
	DENOTES OVERHEAD WIRE
BUSH	DENOTES EDGE OF BUSH
232.63	–EXISTING ELEVATIONS
	–EXISTING OVERLAND FLOW
×169.19	- PROPOSED ELEVATION
×169.19 EXIST	- MATCH TO EXISTING ELEVATION
2.0%	- PROPOSED SLOPE
	- PROPOSED MAJOR OVERLAND FLOW
	- PROPOSED STORM MANHOLE
CB	- PROPOSED CATCHBASIN MANHOLE
	- PROPOSED AREA DRAIN
SAN	- PROPOSED SANITARY MANHOLE
	- PROPOSED SWALE
	- PROPOSED PONDING AREA
WV	- PROPOSED WATER VALVE BOX
WVC	- PROPOSED METER/VALVE CHAMBER
C/O	- PROPOSED CLEAN OUT

NOTE:
TOPOGRAPHIC DATA SHOWN ON THIS PLAN HAS BEEN DERIVED FROM A.T. MCLAREN LTD., DATED JAN 29, 2025. FILE NO: 37884–UP.

EXISTING SERVICING INFORMATION IS TAKEN FROM CITY OF HAMILTON RECORD DRAWINGS, DWG. 88–S–16_11AB.

BENCH MARK:
STATION: 001197SU16O
MOUNT HOPE SCHOOL, ALONG AIRPORT ROAD, 0.6 KM WEST OF INTERSECTION WITH HIGHWAY NO.6, TABLET IN EAST CONCRETE FOUNDATION, 57 CM NORTH OF CONCRETE STEPS FOR SIDE DOOR, 36 CM BELOW BRICKWORK.
ELEVATION: 233.039 CGVD28: 78

NO.	DESCRIPTION	DATE
4.	ISSUED FOR TENDER	11-20-2025
3.	ISSUED FOR SPA	09-23-2025
2.	ISSUED FOR SPA	04-03-2025
1.	ISSUED FOR PCA COMMENTS	11-19-2024

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

MGM CONSULTING INC
Consulting Engineering & Project Management
555 Industrial Drive
Suite 201
Milton, Ontario
L9T 5E1
Tel: (905 667-8678
Fax: (905 875-1339
Email: mgm@mgm.on.ca
www.mgm.on.ca

MOUNT HOPE ELEMENTARY SCHOOL PROPOSED ADDITION

9149 Airport Rd.
CITY FILE#: SPA-25-041 Mount Hope , ON L0R 1W0

LEGAL DESCRIPTION
PART OF LOT 5 CONCESSION 5, GEOGRAPHIC TOWNSHIP OF GLANFORD IN THE CITY OF HAMILTON

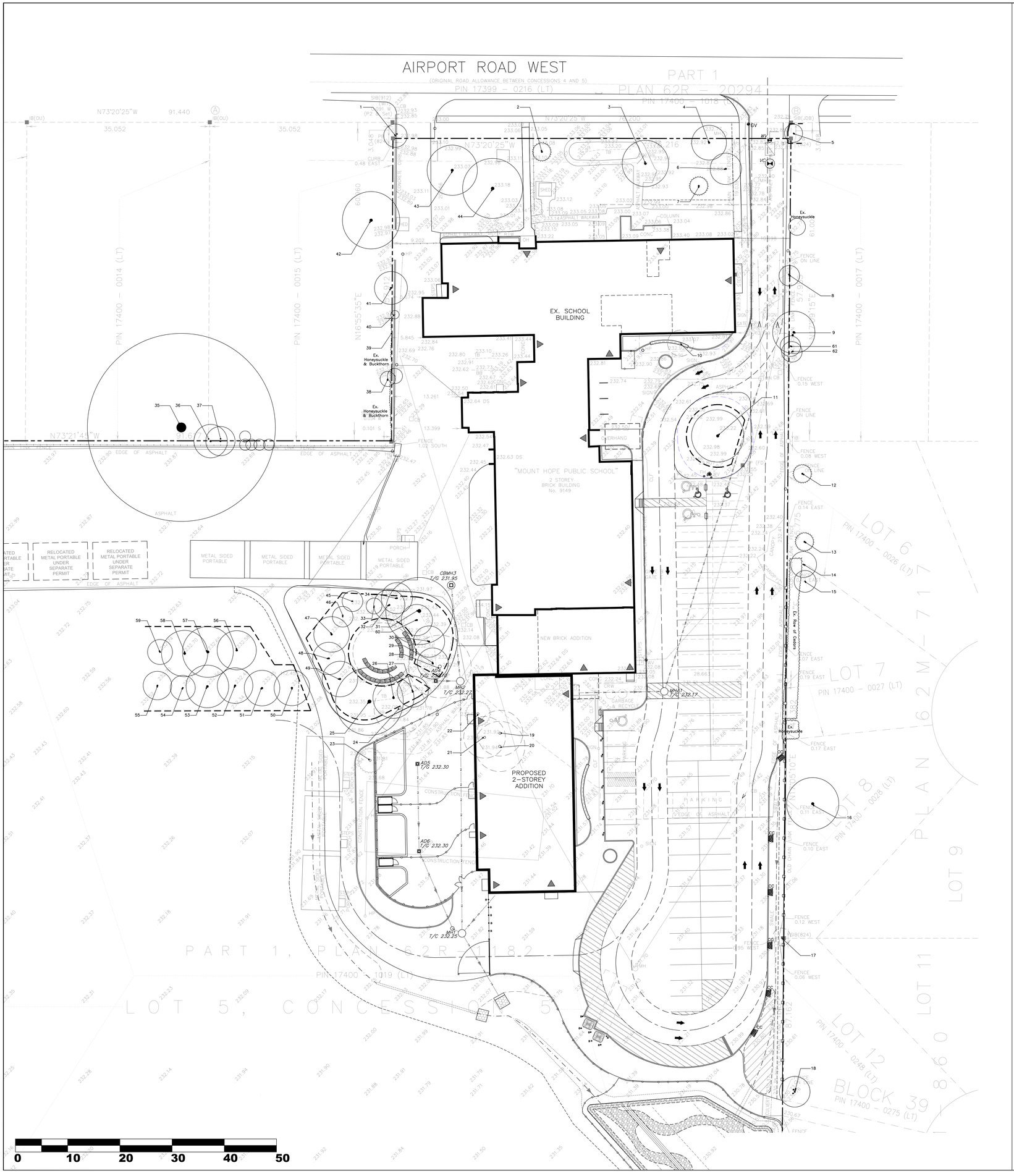
LICENSED PROFESSIONAL ENGINEER
C. Sie
100089899
NOV 20, 2025
PROVINCE OF ONTARIO

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

CLIENT:

HOSSACK & ASSOCIATES ARCHITECTS
105 – 1055 BRONSON WAY
OTTAWA, ONTARIO K2B 8K1
(905) 575-6858 admin@hossackarch.com

SCALE 1:300	PROJECT 2024-026
DATE NOV. 2024	
DRAWN AB	DRAWING SITE GRADING PLAN CV-3
CHECKED CS	
PRINT DATE	
CAD FILE	



LEGEND

- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO BE REMOVED
- TREE PROTECTION HOARDING

TREE CONDITION RATINGS:

EXCELLENT – FULL CROWN WITH NO EVIDENCE OF DECLINE, DISEASE OR DIE BACK. HEALTHY LEAF COLOUR OR GOOD SET OF WINTER BUDS. NO VISIBLE STRUCTURAL DEFECTS.

GOOD – FULL CROWN OR DIEBACK OF <10% OF SECONDARY BRANCHES. CROWN WITH ONLY MINOR DEADWOOD OR DIEBACK WITH WELL–SPACED BRANCHES. MINOR STRUCTURAL BIOLOGICAL DEFICIENCY.

FAIR – MODERATE CROWN WITH <30% INCOMPLETE SECTIONS OR DEADWOOD / DIEBACK. MODERATE STRUCTURAL OF BIOLOGICAL DEFICIENCY OR PRESENCE OF DISEASE.

POOR – >70% POOR CROWN. POOR VIGOR. ONE OR MORE MAJOR STRUCTURAL OR BIOLOGICAL DEFICIENCIES OR SEVERAL MODERATE DEFICIENCIES AND / OR PRESENCE OF MAJOR DISEASE.

DEAD – <10% LIVE CROWN OR HAS COMPLETELY SUCCUMBED TO DEFICIENCIES OR IS AN IMMEDIATE RISK TO SURROUNDINGS.

IF TREE HAS CHARACTERISTICS OF TWO CONDITIONS RATINGS CAN INCLUDE BOTH.

TREE PRESERVATION NOTES:

PRIOR TO SITE DISTURBANCE THE OWNER MUST CONFIRM THAT NO MIGRATORY BIRDS ARE MAKING USE OF THE SITE FOR NESTING. THE OWNER MUST ENSURE THAT THE WORKS ARE IN CONFORMANCE WITH THE MIGRATORY BIRD CONVENTION ACT AND THAT NO MIGRATORY BIRD NESTS WILL BE IMPACTED BY THE PROPOSED WORK. NO REMOVAL OF VEGETATION FROM THE PERIOD OF MARCH 31 AND AUGUST 31 WITH RESPECT TO MIGRATORY BIRDS.

IT IS THE APPLICANTS' RESPONSIBILITY TO DISCUSS POTENTIAL TREE INJURY OF TREES ON SHARED PROPERTY LINES WITH THEIR NEIGHBOURS. SHOULD SUCH TREES BE INJURED TO THE POINT OF INSTABILITY OR DEATH THE APPLICANT MAY BE HELD RESPONSIBLE FOR REMOVAL AND SUCH ISSUES WOULD BE DEALT WITH IN CIVIL COURT OR THROUGH NEGOTIATION. THE APPLICANT WOULD BE REQUIRED TO REPLACE SUCH TREES TO THE SATISFACTION OF URBAN FORESTRY.

TREE PROTECTION ZONE:
NOTE: NO CONSTRUCTION ACTIVITY INCLUDING GRADE CHANGES, SURFACE TREATMENTS OR EXCAVATIONS OF ANY KIND IS PERMITTED WITHIN THE AREA IDENTIFIED ON THE TREE PROTECTION OR SITE PLAN AS A TREE PROTECTION ZONE (TPZ). NO ROOT CUTTING IS PERMITTED. NO STORAGE OF MATERIALS OR FILL IS PERMITTED WITHIN THE TPZ. NO MOVEMENT OR STORAGE OF VEHICLES OR EQUIPMENT IS PERMITTED WITHIN THE TPZ. THE AREA(S) IDENTIFIED AS A TPZ MUST REMAIN UNDISTURBED AT ALL TIMES.

FOR TREES ON PRIVATE PROPERTY SITUATED ON OR ADJACENT TO CONSTRUCTION SITES:
TREE PROTECTION BARRIERS MUST BE INSTALLED AROUND TREE TO BE PROTECTED USING PLYWOOD CLAD HOARDING OR AN EQUIVALENT APPROVED BY URBAN FORESTRY. ALL SUPPORTS AND BRACING TO SAFELY SECURE THE BARRIER SHOULD BE OUTSIDE THE TPZ. ALL SUCH SUPPORTS AND BRACING SHOULD MINIMIZE DAMAGE TO ROOTS OUTSIDE THE TPZ.

GENERAL NOTES:
PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY THE TREE PROTECTION BARRIERS SPECIFIED ON THIS PLAN MUST BE INSTALLED AND WRITTEN NOTICE PROVIDED TO URBAN FORESTRY. THE TREE PROTECTION BARRIERS MUST REMAIN IN EFFECTIVE CONDITION UNTIL ALL SITE ACTIVITIES INCLUDING LANDSCAPING ARE COMPLETE. WHERE REQUIRED, SIGNS AS SPECIFIED IN SECTION 4 "TREE PROTECTION SIGNAGE" MUST BE ATTACHED TO ALL SIDES OF THE BARRIER. WRITTEN NOTICE MUST BE PROVIDED TO URBAN FORESTRY SERVICES PRIOR TO THE REMOVAL OF THE TREE PROTECTION BARRIERS.

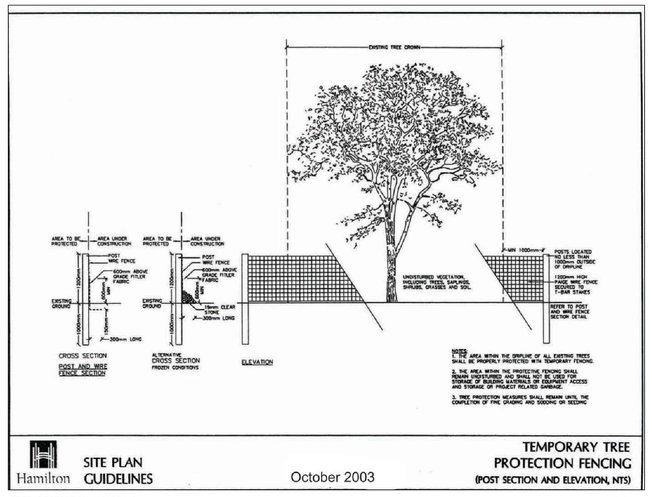
THE CERTIFIED ARBORIST RESPONSIBLE FOR REMOVAL OF TREES ON SITE IS REQUIRED TO HAVE A TREE CUTTING LICENSE WITH THE CITY OF HAMILTON. IT IS ADVISED THAT THE CITY'S MUNICIPAL LAW ENFORCEMENT (MLE) SECTION BE CONTACTED (mletrees@hamilton.ca)

VERIFICATION OF TREE PROTECTION LETTER IS TO BE PROVIDED TO THE SATISFACTION OF THE DIRECTOR OF HERITAGE AND URBAN DESIGN PRIOR TO PRE–GRADING.

TREE INVENTORY LIST

#	Common Name	Botanical Name	DBH (cm)	Health	Tree Ownership	Site Potential for Preservation	Tree Compensation (1:1 for 10cm DBH +)	Recommendation and Notes
1	Black Walnut	Juglans nigra	27, 28	G	City	Preserve		Twin, growing into post
2	Blue Spruce	Picea pungens	32	F-G	Private	Preserve		
3	Norway Maple	Acer platanoides	45	F-G	Private	Preserve		
4	Crab Apple	Malus spp.	38	F	Private	Preserve		
5	Manitoba Maple	Acer negundo	19	F-P	City	Preserve		
6	Crab Apple	Malus spp.	30	F	Private	Preserve		
7	Green Spruce	Picea pungens	29	F	Private	Preserve		
8	Norway Maple	Acer platanoides	10	F	Private	Preserve		Growing into fence
9	Manitoba Maple	Acer negundo	40, 42	F	Private	Preserve		Twin, growing into fence
10	Mountain Ash	Sorbus aucuparia	27	F	Private	Remove	1	Remove to accommodate building
11	Norway Maple	Acer platanoides	50	F	Private	Preserve & Protect		
12	Austrian Pine	Pinus nigra	39	F-G	Private	Preserve		
13	Austrian Pine	Pinus nigra	30	F-P	Private	Preserve		
14	Manitoba Maple	Acer negundo	30	F-P	Private	Preserve		
15	English Oak	Quercus robur	5-10		Private	Preserve		Clump
16	Red Maple	Acer rubrum	30	G	Private	Preserve		
17	Manitoba Maple	Acer negundo	17	P	Private	Remove	1	Remove to accommodate fence
18	Yellow Birch	Betula alleghaniensis	13, 26, 30, 29	G	Private	Preserve		Clump, 4 stems
19	Manitoba Maple	Acer negundo	46	F-G	Private	Remove	1	Remove to accommodate building
20	Manitoba Maple	Acer negundo	50	F-G	Private	Remove	1	Remove to accommodate building
21	Manitoba Maple	Acer negundo	40	F-G	Private	Remove	1	Remove to accommodate building
22	Austrian Pine	Pinus nigra	23, 30	F	Private	Remove	1	Remove to accommodate building
23	Austrian Pine	Pinus nigra	30	F-P	Private	Remove	1	Remove to accommodate grading & walkway
24	Manitoba Maple	Acer negundo	30	F	Private	Remove	1	Remove to accommodate grading & walkway
25	Silver Maple	Acer saccharinum	80	F-G	Private	Preserve & Protect		
26	Crab Apple	Malus spp.	5-10	P-Dead	Private	Preserve & Protect		5 trunks / 2 dead
27	Norway Maple	Acer platanoides	24	P	Private	Preserve & Protect		
28	Manitoba Maple	Acer negundo	38-45	F	Private	Remove	1	Remove to accommodate grading & walkway
29	Norway Maple	Acer platanoides	26	F	Private	Preserve & Protect		Exposed Roots
30	Norway Maple	Acer platanoides	24	G	Private	Preserve & Protect		
31	Siberian Elm	Ulmus pumila	15, 28, 34, 40	F-G	Private	Preserve & Protect		
32	Silver Maple	Acer saccharinum	30	F-G	Private	Preserve & Protect		
33	Crab Apple	Malus spp.	10	P	Private	Preserve & Protect		
34	Siberian Elm	Ulmus pumila	17, 29, 25	F	Private	Preserve & Protect		
35	Weeping Willow	Salix babylonica	180	F	Private	Preserve		
36	Siberian Elm	Ulmus pumila	28, 32	F	Private	Preserve		Twin
37	Siberian Elm	Ulmus pumila	15, 17		Private	Preserve		4 stems
38	Manitoba Maple	Acer negundo	12, 18	F	Private	Preserve		
39	Siberian Elm	Ulmus pumila	10, 18, 21	F	Private	Preserve		3 Stems
40	Siberian Elm	Ulmus pumila	8	F	Private	Preserve		
41	Manitoba Maple	Acer negundo	18, 28	F	Private	Preserve		4 stems
42	Norway Maple	Acer platanoides	47	F-G	Private	Preserve		
43	Crab Apple	Malus spp.	48	P	Private	Preserve		Dead canopy to be removed
44	Norway Maple	Acer platanoides	58	G	Private	Preserve		
45	Cherry	Prunus spp.	12, 14, 16	F	Private	Preserve & Protect		
46	Norway Maple	Acer platanoides	30	G	Private	Preserve & Protect		
47	Linden	Tilia cordata	39	F	Private	Preserve & Protect		
48	Crab Apple	Malus spp.	10 x 4	F	Private	Preserve & Protect		
49	Norway Maple	Acer platanoides	23	G	Private	Preserve & Protect		
50	Norway Maple	Acer platanoides	17	F	Private	Preserve & Protect		
51	Green Ash	Fraxinus pennsylvanica	14, 20	G	Private	Preserve & Protect		
52	Silver Maple	Acer saccharinum	31	F	Private	Preserve & Protect		
53	Silver Maple	Acer saccharinum	42	G	Private	Preserve & Protect		
54	Crab Apple	Malus spp.	18, 22	F	Private	Preserve & Protect		
55	White Oak	Quercus alba	30	F	Private	Preserve & Protect		
56	Silver Maple	Acer saccharinum	42	G	Private	Preserve & Protect		
57	Silver Maple	Acer saccharinum	50	G	Private	Preserve & Protect		
58	Crab Apple	Malus spp.	10 x 4	F	Private	Preserve & Protect		
59	English Oak	Quercus robur	40	G	Private	Preserve & Protect		
60	Norway Maple	Acer platanoides	21	F	Private	Preserve & Protect		
61	Norway Maple	Acer platanoides	14	F	Private	Preserve		
62	Norway Maple	Acer platanoides	15	F	Private	Preserve		

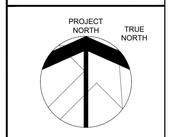
*NOTE: TREE COMPENSATION TO BE 1:1 ON TREES GREATER THAN 10cm DBH. THEREFORE, 9 TREES TOTAL TO BE PLANTED ON SITE.



Hamilton SITE PLAN GUIDELINES — October 2003 — TEMPORARY TREE PROTECTION FENCING (POST SECTION AND ELEVATION, NTS)

TREE PROTECTION HOARDING
As Per City of Hamilton Standards
NTS 1

KEY MAP



NO.	DESCRIPTION	DATE
4	REISSUED FOR SPA	25 11 17
3	ISSUED FOR TENDER	25 11 10
2	REISSUED FOR SPA	25 09 22
1	ISSUED FOR SPA	25 04 02

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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — REGISTERED

MOUNT HOPE ELEMENTARY SCHOOL

Tender No:

9149 Airport Rd W,
Mount Hope , ON L0R 1W0

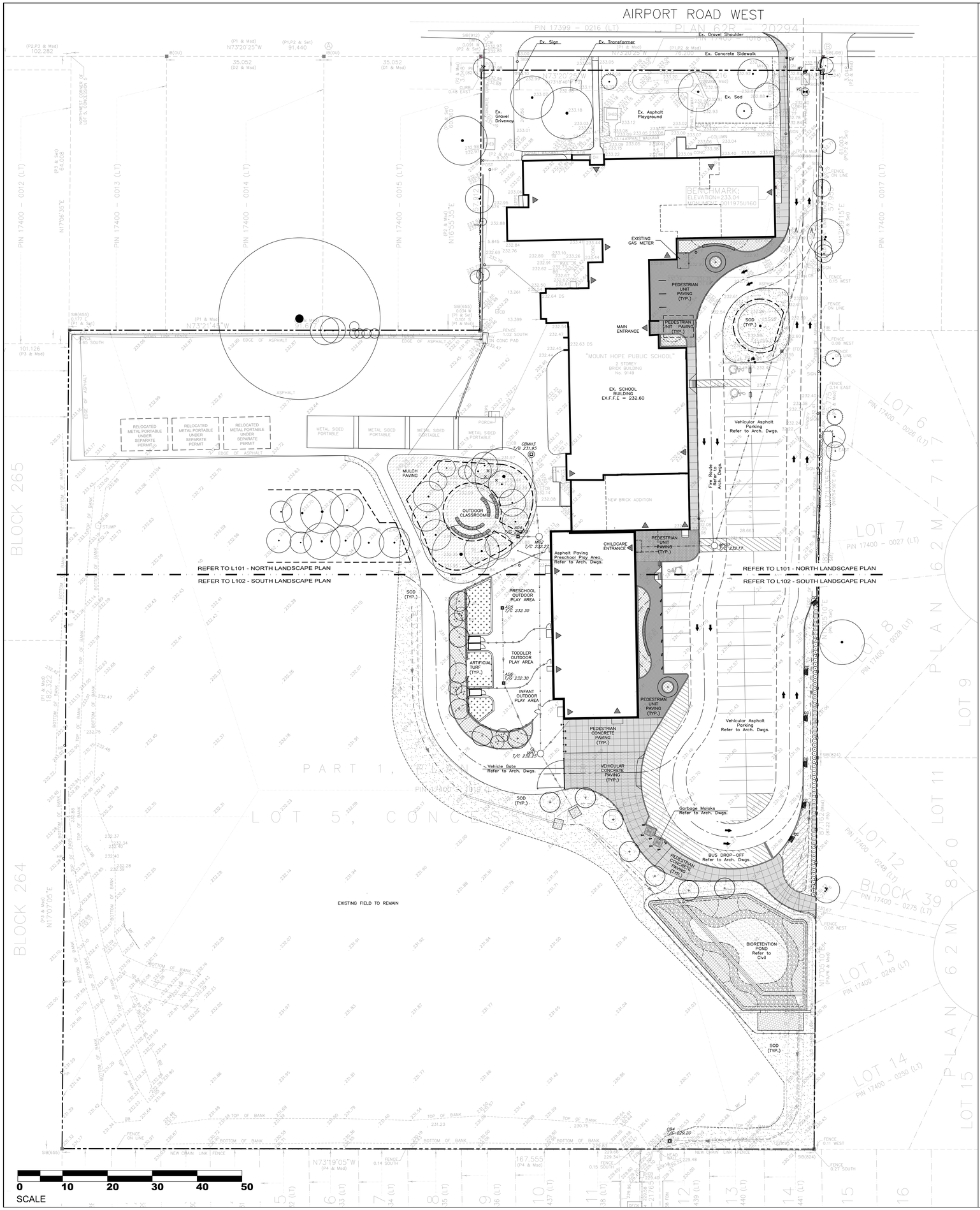
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

TREE INVENTORY AND PRESERVATION PLAN

FRP INC.
landscape.architects
1873 Davenport Road
Toronto, M4N 1B9
www.frpinc.ca

SCALE 1:250	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING TP100
CHECKED BF	
PRINT DATE	
CAD FILE	



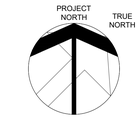
LANDSCAPE NOTES:

1. ANY PLANT MATERIAL SUBSTITUTIONS REQUIRE THE APPROVAL OF THE CITY OF HAMILTON.
2. PLANT MATERIAL AND FENCING SHALL BE MINIMUM TO BE PROVIDED BY THE OWNER. ANY ADDITIONS MUST COMPLY TO THE ZONING BY-LAW.
3. ANY SODDING, PLANTING OR WORK ON LANDS ABUTTING THE PROPERTY FROM THE LOT LINES TO SIDEWALK AND CURBING, SHALL BE TO THE SATISFACTION OF THE CITY.
4. ALL LANDSCAPING SHALL BE INSTALLED PRIOR TO THE END OF THE FIRST GROWING SEASON FOLLOWING OCCUPANCY OF THE DEVELOPMENT.
5. UNLESS OTHERWISE SPECIFIED ALL LANDSCAPED AREAS TO BE SODDED.
6. UNLESS OTHERWISE SPECIFIED ALL UNDEVELOPED AREAS SHALL BE UNDISTURBED AND KEPT TREE AND CLEAR OF DEBRIS AND MAINTAINED.

LEGEND

- DECIDUOUS TREE TO REMAIN Refer to Tree Inventory Plan
- DECIDUOUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- CONIFEROUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI-STEM DECIDUOUS SHRUB
- PLANTING BED Refer to Planting Plan
- SOD
- MULCH PAVING
- PEDESTRIAN CONCRETE PAVING
- VEHICULAR CONCRETE PAVING
- PEDESTRIAN UNIT PAVING
- BOULDER SEATING
- 1.2m HT. BLACK VINYL CHAIN LINK FENCE
- 1.2m HT. DECORATIVE METAL FENCE
- Existing Fence to Remain

KEY MAP



NO.	DESCRIPTION	DATE
4	REISSUED FOR SPA.	25 11 17
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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — KELLY V. PERFETTO — M.OALA

MOUNT HOPE ELEMENTARY SCHOOL

Tender No.

9149 Airport Rd W.
Mount Hope , ON L0R 1W0

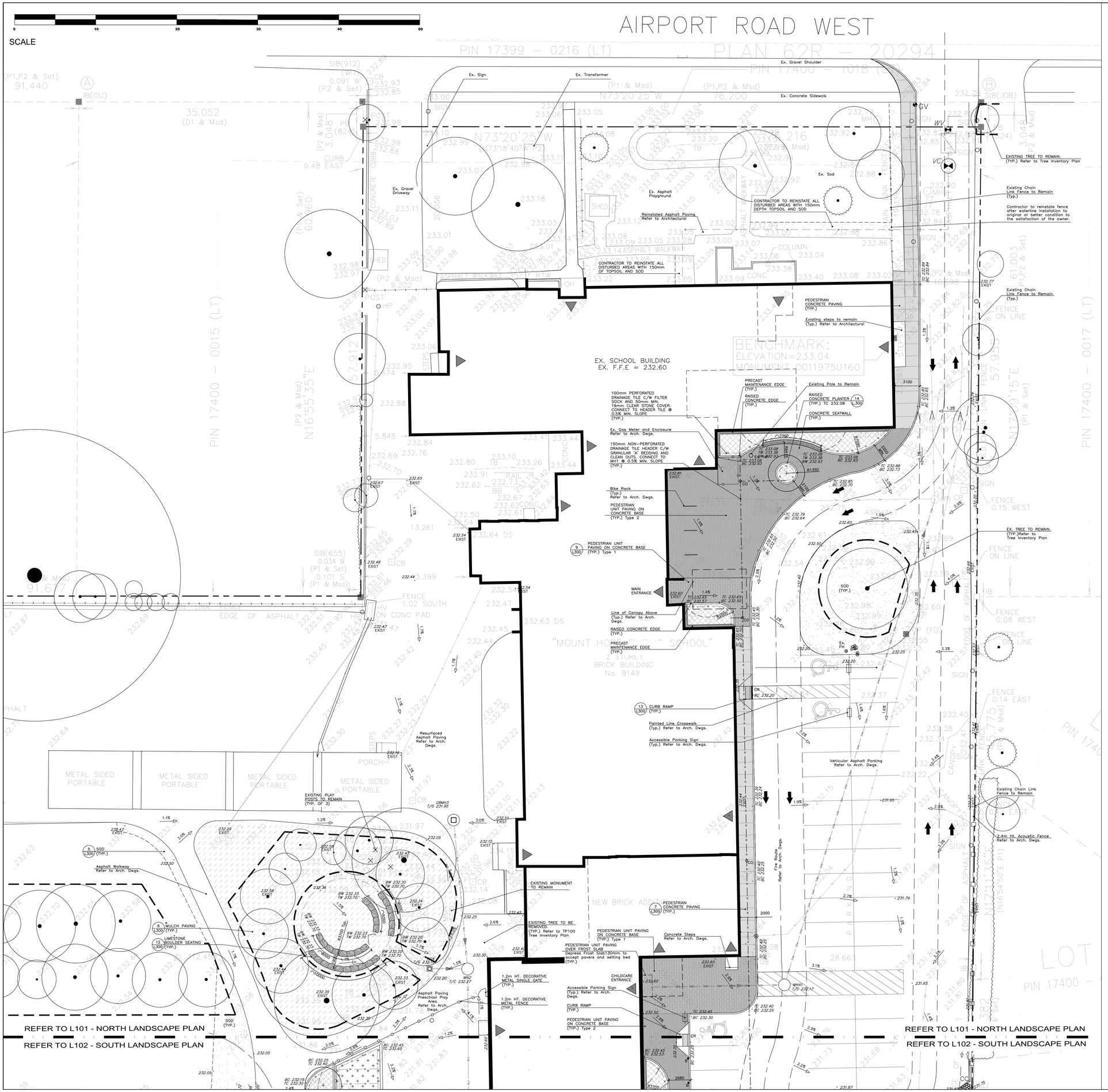
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

LANDSCAPE CONTEXT PLAN

FRP Inc.
landscape.architects
1877 Davenport Road
Toronto, M4N 1B6
www.frpinc.ca

SCALE 1:300	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING L100
CHECKED BF	
PRINT DATE	
CAD FILE	



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LEGEND

- DECIDUOUS TREE TO REMAIN Refer to Tree Inventory Plan
- DECIDUOUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- CONIFEROUS TREE TO BE REMOVED Refer to Tree Inventory Plan
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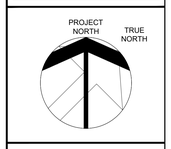
- MULTI-STEM DECIDUOUS SHRUB
- PLANTING BED Refer to Planting Plan
- SOD
- MULCH PAVING
- PEDESTRIAN CONCRETE PAVING
- VEHICULAR CONCRETE PAVING
- PEDESTRIAN UNIT PAVING
- BOULDER SEATING
- 1.2m HT. BLACK VINYL CHAIN LINK FENCE
- 1.2m HT. DECORATIVE METAL FENCE
- Existing Fence to Remain
- 100mm PERFORATED DRAINAGE TILE C/W FILTER SOCK AND 50mm MINIMUM 19mm CLEAR STONE COVER.
- 150mm NON-PERFORATED PVC DRAINAGE HEADER PIPE C/W GRANULAR 'A' #0 PER OPSS AS BEDDING MATERIAL.
- DRAINAGE TILE HEADER CONNECTION TO CAST IRON PLUG IN HOUSEKEEP
- Stormwater Line Refer to Civil Dwgs.
- Sanitary Line Refer to Civil Dwgs.
- Swale Refer to Civil Dwgs.
- Curb Cuts
- TREE PROTECTION HOARDING

KEY MAP



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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — KELLY V. FRP — OALA — MCMillan

MOUNT HOPE ELEMENTARY SCHOOL

9149 Airport Rd W,
Mount Hope , ON L0R 1W0

Tender No.

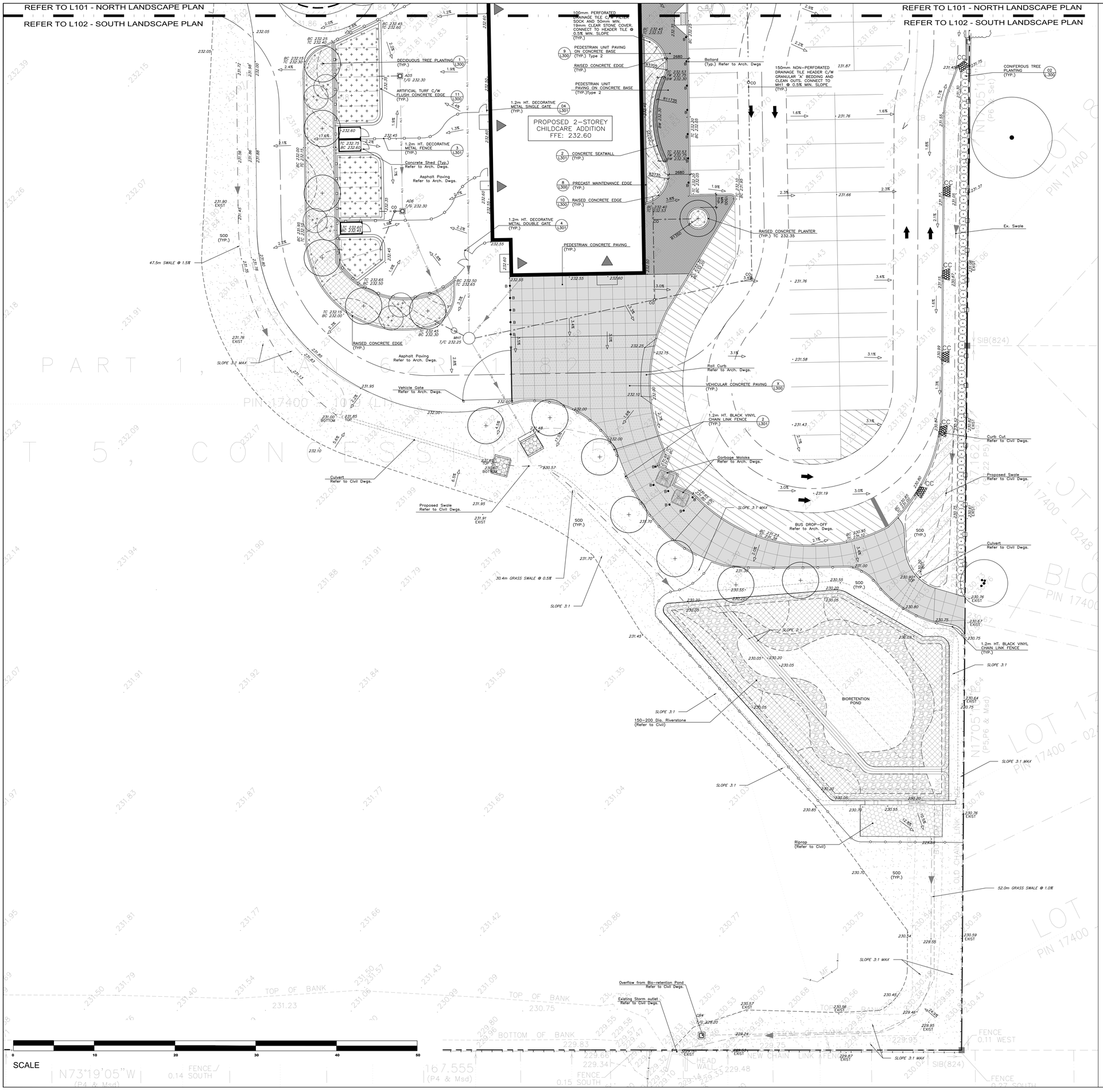
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

NORTH LANDSCAPE PLAN

FRP inc.
landscape architects
1870 Bayview Avenue
Toronto, M4G 3B6
www.frpinc.ca

SCALE 1:150	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING L101
CHECKED BF	
PRINT DATE	
CAD FILE	



LANDSCAPE NOTES:

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LEGEND

- DECIDUOUS TREE TO REMAIN Refer to Tree Inventory Plan
- DECIDUOUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- CONIFEROUS TREE TO BE REMOVED Refer to Tree Inventory Plan
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- MULTI-STEM DECIDUOUS SHRUB
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- PEDESTRIAN UNIT PAVING
- BOULDER SEATING
- 1.2m HT. BLACK VINYL CHAIN LINK FENCE
- 1.2m HT. DECORATIVE METAL FENCE
- Existing Fence to Remain
- 100mm PERFORATED DRAINAGE TILE C/W FILTER SOCK AND 50mm MIN. 19mm CLEAR STONE COVER.
- 150mm NON-PERFORATED PVC DRAINAGE HEADER PIPE C/W GRANULAR 'A' AS PER OPSS AS BEDDING MATERIAL.
- CO DRAINAGE TILE HEADER CLEANOUT C/X CAST IRON PLUG & HOUSINGS
- STM Stormwater Line Refer to Civil Dwgs.
- SAN Sanitary Line Refer to Civil Dwgs.
- SWALE Swale Refer to Civil Dwgs.
- CC Curb Cuts
- TREE PROTECTION HOARDING

KEY MAP

PROJECT NORTH
TRUE NORTH

NO.	DESCRIPTION	DATE
4	REISSUED FOR SPA	25 11 17
3	ISSUED FOR TENDER	25 11 10
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1	ISSUED FOR SPA	25 04 02

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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
REGISTERED
M'mast

MOUNT HOPE ELEMENTARY SCHOOL

Tender No.

9149 Airport Rd W,
Mount Hope , ON L0R 1W0

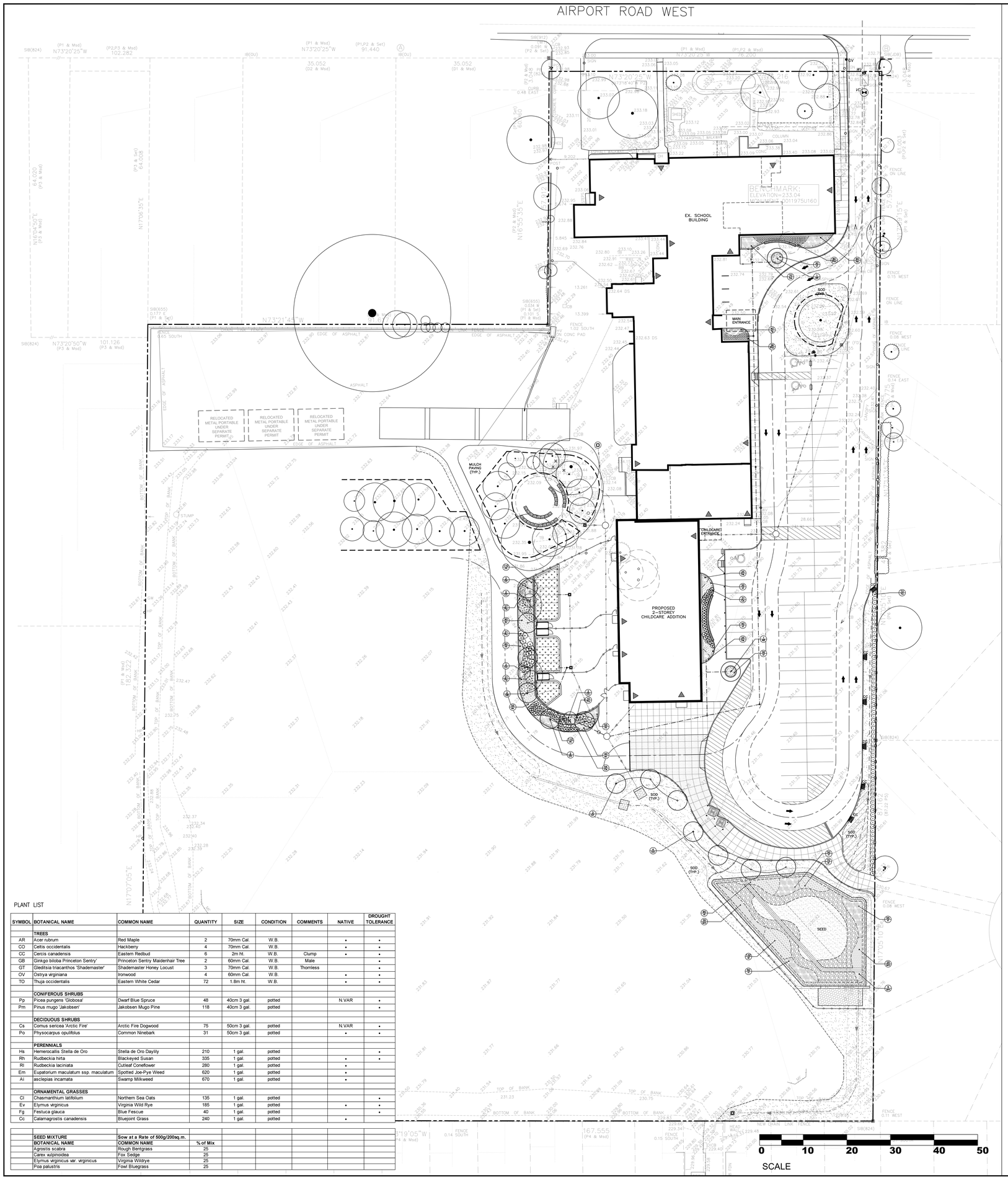
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8L 3L1
905-527-5092

SOUTH LANDSCAPE PLAN

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

SCALE 1:150	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING L102
CHECKED BF	
PRINT DATE	
CAD FILE	



PLANTING NOTES:

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

PLANT LIST

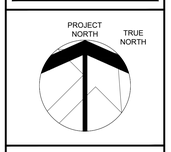
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	CONDITION	COMMENTS	NATIVE	DROUGHT TOLERANCE
	TREES							
AR	Acer rubrum	Red Maple	2	70mm Cal.	W.B.		•	•
CO	Celtis occidentalis	Hackberry	4	70mm Cal.	W.B.		•	•
CC	Cercis canadensis	Eastern Redbud	6	2m ht.	W.B.	Clump	•	•
GB	Ginkgo biloba Princeton Sentry'	Princeton Sentry Maidenhair Tree	2	60mm Cal.	W.B.	Male		•
GT	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	3	70mm Cal.	W.B.	Thornless		•
OV	Ostrya virginiana	Ironwood	4	60mm Cal.	W.B.		•	•
TO	Thuja occidentalis	Eastern White Cedar	72	1.8m ht.	W.B.		•	•
	CONIFEROUS SHRUBS							
Pp	Picea pungens 'Globosa'	Dwarf Blue Spruce	48	40cm 3 gal.	potted		N.VAR	•
Pm	Pinus mugo 'Jakobsen'	Jakobsen Mugo Pine	118	40cm 3 gal.	potted			•
	DECIDUOUS SHRUBS							
Cs	Cornus sericea 'Arctic Fire'	Arctic Fire Dogwood	75	50cm 3 gal.	potted		N.VAR	•
Po	Physocarpus opulifolus	Common Ninebark	31	50cm 3 gal.	potted		•	•
	PERENNIALS							
Hs	Hemerocallis Stella de Oro	Stella de Oro Daylily	210	1 gal.	potted			•
Rh	Rudbeckia hirta	Blackeyed Susan	335	1 gal.	potted		•	•
Rl	Rudbeckia laciniata	Cutleaf Coneflower	280	1 gal.	potted		•	
Em	Eupatorium maculatum ssp. maculatum	Spotted Joe-Pye Weed	620	1 gal.	potted		•	
Ai	asclepias incamata	Swamp Milkweed	670	1 gal.	potted		•	
	ORNAMENTAL GRASSES							
Cl	Chasmanthium latifolium	Northern Sea Oats	135	1 gal.	potted			•
Ev	Elymus virginicus	Virginia Wild Rye	185	1 gal.	potted		•	•
Fg	Festuca glauca	Blue Fescue	40	1 gal.	potted			•
Cc	Calamagrostis canadensis	Bluejoint Grass	240	1 gal.	potted		•	

SEED MIXTURE	**Sow at a Rate of 500g/200sq.m.**	
BOTANICAL NAME	**COMMON NAME**	**% of Mix**
Agrostis scabra	Rough Bentgrass	25
Carex vulpinoidea	Fox Sedge	25
Elymus virginicus var. virginicus	Virginia Wildrye	25
Poa palustris	Fowl Bluegrass	25

LEGEND

- DECIDUOUS TREE TO REMAIN Refer to Tree Inventory Plan
- DECIDUOUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- CONIFEROUS TREE TO BE REMOVED Refer to Tree Inventory Plan
- DECIDUOUS TREE
- CONIFEROUS TREE
- MULTI–STEM DECIDUOUS SHRUB
- PERENNIAL / ORNAMENTAL GRASS PLANTING
- SOD
- MULCH PAVING
- SHRUB PLANTING
- BOULDER SEATING
- 1.2m HT. BLACK VINYL CHAIN LINK FENCE
- 1.2m HT. DECORATIVE METAL FENCE
- Existing Fence to Remain
- CC Curb Cuts

KEY MAP



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MOUNT HOPE ELEMENTARY SCHOOL

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Tender No.

LEGAL DESCRIPTION

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20 Education Court, P.O. Box 2558
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PLANTING PLAN

FRP inc.
landscape architects
1970 Queen St. E.
Toronto, M4L 1E8
www.frpinc.ca

SCALE 1:300	PROJECT 251581
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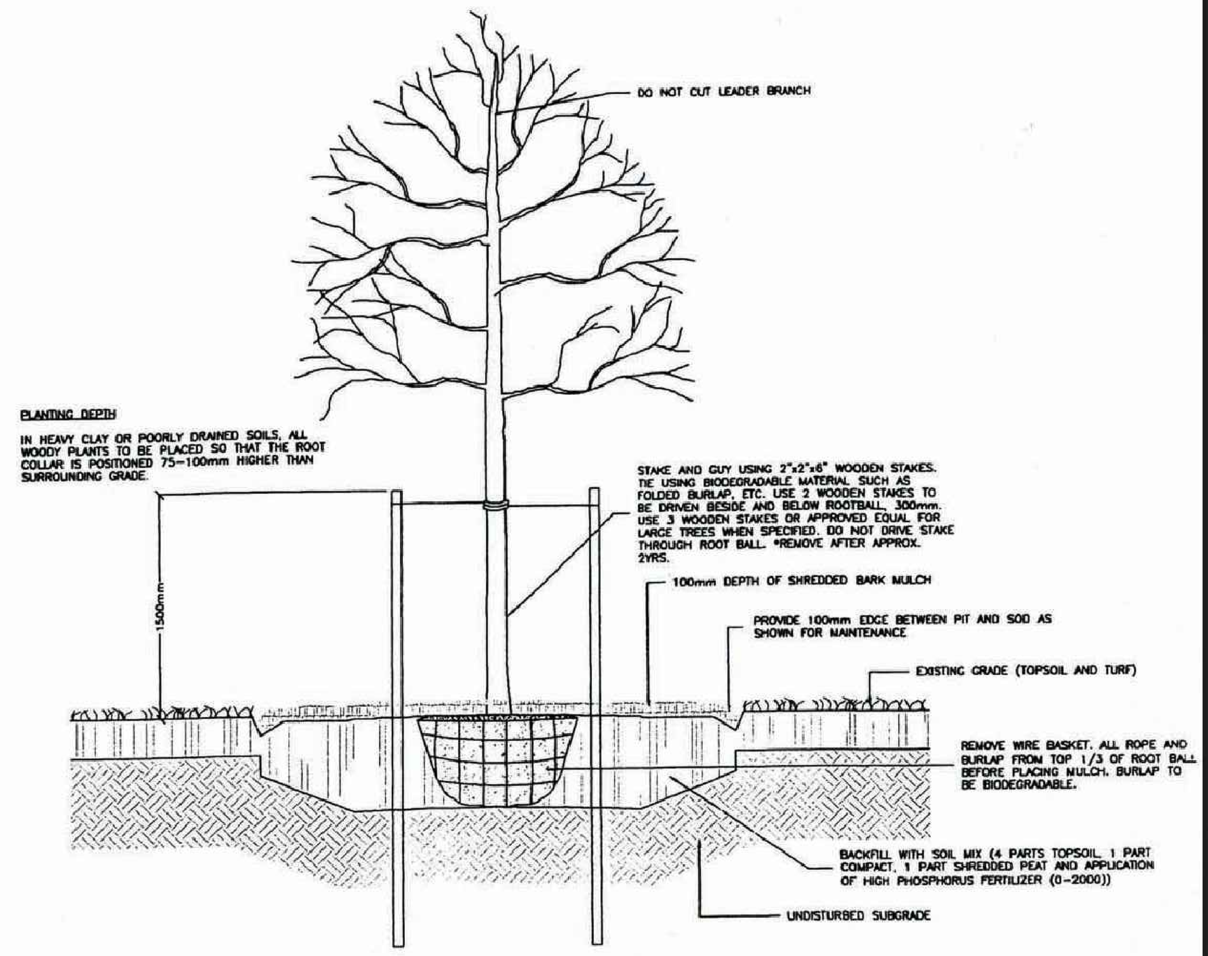
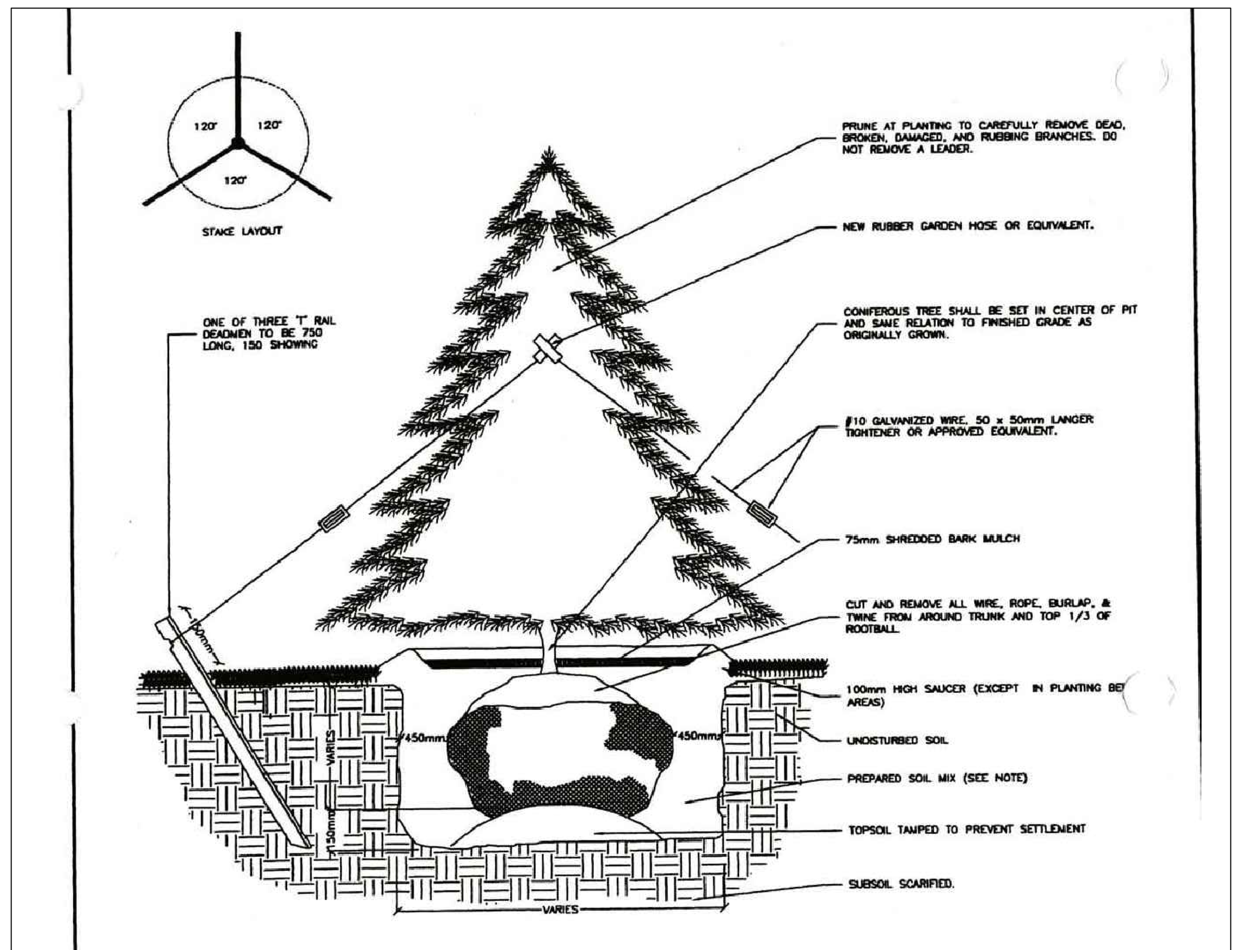


PLANTING STANDARDS AND WORKMANSHIP

1. PLANT MATERIAL SHALL BE PROTECTED AGAINST ABRASION, EXPOSURE AND EXTREME TEMPERATURE CHANGE DURING TRANSIT TO THE PLANTING SITE.
2. PLANT MATERIAL SHALL BE HANDLED IN A MANNER SO AS TO CAUSE THE LEAST AMOUNT OF DAMAGE DURING THE PLANTING PROCESS.
3. TREES SHALL ALWAYS BE HANDLED BY THE SOIL BALL. UNDER NO CIRCUMSTANCE SHOULD THEY BE DRAGGED, LIFTED OR PULLED BY THE TRUNK OR FOLIAGE PARTS IN A MANNER THAT WILL LOOSEN THE ROOTS OF THE BALL.
4. ANY ABRASIONS OF THE BARK OR BRANCHES, OR BROKEN LIMBS CAUSED IN THE PLANTING OPERATION SHALL BE TREATED AND CORRECTED IMMEDIATELY.
5. IN CASES WHERE TREES ARE APT TO HAVE THEIR TRUNKS SCARRED DURING THE PLANTING OPERATION, THE TRUNK SHOULD BE PROTECTED WITH WRAP OR PADDING, THEN REMOVED AFTER PLANTING IS COMPLETE.
6. ALL TWINE OR ROPE AND PLANT LABELS SECURED AROUND THE TRUNK OR BRANCHES SHALL BE REMOVED AFTER PLANTING IS COMPLETE.
7. TREES THAT HAVE THEIR SOIL BALLS SECURED IN A BURLAP SACK SHALL HAVE THE BURLAP UNDONE AND PEELED BACK, AFTER THE PLANT IS PLACED AND CENTERED IN THE PIT AND BEFORE BACK-FILLING OCCURS.
8. TREES THAT HAVE SOIL BALLS SHALL BE PLANTED IN PITS WITH A FIRM, UNDISTURBED BOTTOM TO ENSURE SETTLING WILL NOT OCCUR.
9. TREES SHALL ONLY BE PRUNED AT THE TIME OF PLANTING WHEN IT IS NECESSARY TO PROMOTE STRONG SCAFFOLD BRANCHING (I.E. REMOVE DEAD OR POORLY STRUCTURED BRANCHES). V-BRANCHING LESS THAN 45 DEGREES AND/OR TREES WITH CO-DOMINATE LEADERS WILL NOT BE ACCEPTED. TREES SHALL NEVER TO CLIPPED BACK OR TOPPED.
10. SUPPORT SHALL BE PROVIDED TO ALL TRESS WHEN DEEMED NECESSARY AS OUTLINED BY THE CERTIFIED ARBORIST OR LANDSCAPE ARCHITECT PLAN. CLAMPS HOLDING ALL TREES FIRMLY TO THE STAKE SHALL BE APPLIED AND ADJUSTED WITHOUT DAMAGING THE BARK.
11. MAINTENANCE ACTIVITIES SUCH AS WATERING WILL BE ON GOING FOR THE DURATION OF THE GUARANTEE PERIOD. AS WELL, MAINTENANCE COSTS DURING THE GUARANTEE SHALL BE BORNE TO THE PARTY RESPONSIBLE FOR THE PLANTING OF THE TREE (THE DEVELOPER).
12. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION AND/OR INDUSTRIAL PROJECTS.

Hamilton SITE PLAN GUIDELINES October 2003 DECIDUOUS TREE (NTS)

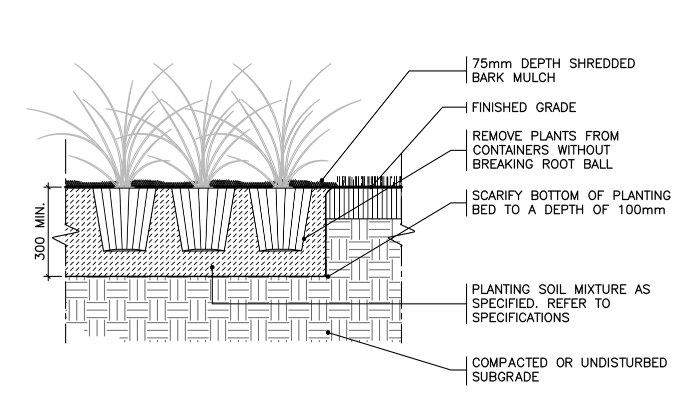
DECIDUOUS TREE PLANTING — NTS — 1
Per City of Hamilton Detail



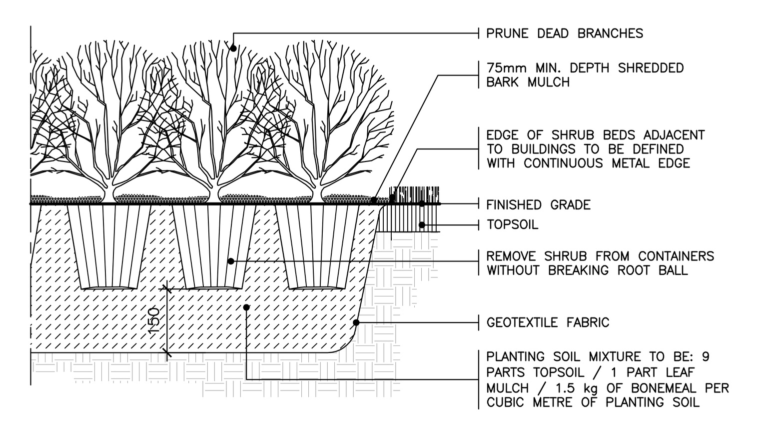
NOTES
1. SOAK ROOT BALL PRIOR TO MOVING.
2. SOIL MIX: 4 PARTS TOPSOIL, 1 PART COMPOST, 1 PART SHREDDED PEAT & APPLICATION OF HIGH PHOSPHOROUS FERTILIZER (0-20-0)
3. TREES LESS THAN 125cm IN HEIGHT DO NOT HAVE TO BE STAKED.
4. SAUCER SHALL BE SOAKED WITH WATER & MULCHED IMMEDIATELY FOLLOWING PLANTING.
5. T-RAIL DEADMAN TO BE PAINTED WITH BLACK 'TREMCLAD' PAINT.
6. ALL DIMENSIONS ARE IN MILLIMETERS.
7. ALL PLANT STOCK TO BE COVERED WHILE IN TRANSIT.

Hamilton SITE PLAN GUIDELINES October 2003 CONIFEROUS TREE (NTS)

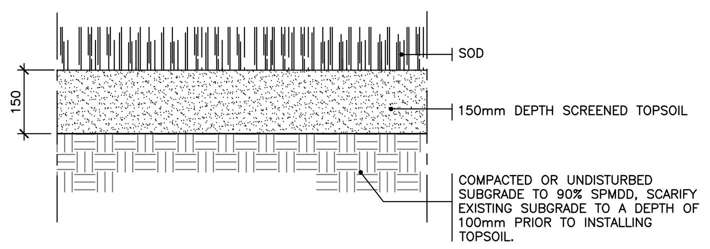
CONIFEROUS TREE PLANTING — NTS — 2
Per City of Hamilton Detail



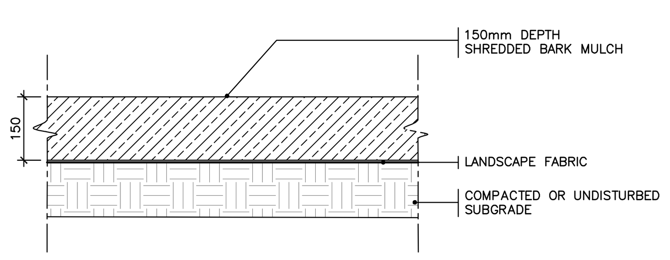
PERENNIAL PLANTING — NTS — 3



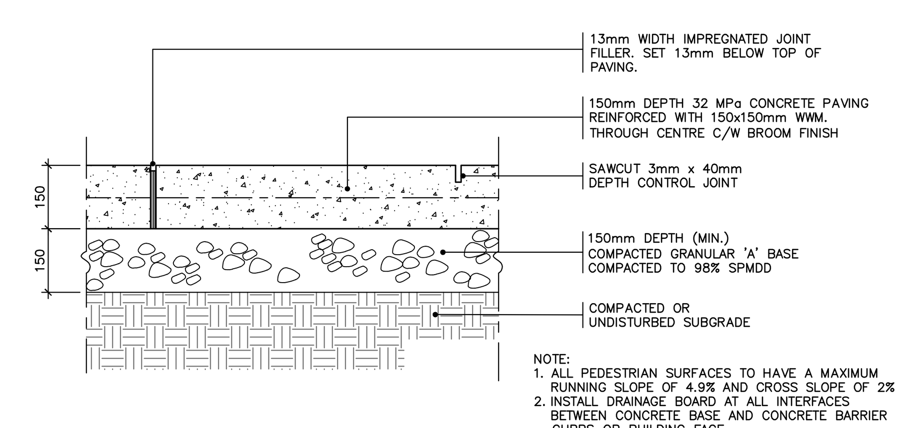
SHRUB PLANTING — NTS — 4



SOD — NTS — 5

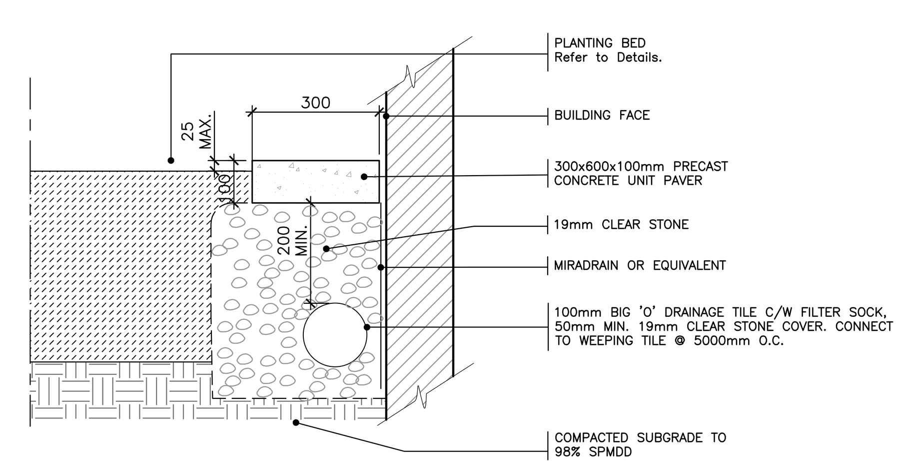


MULCH PAVING — 1:10 — 6

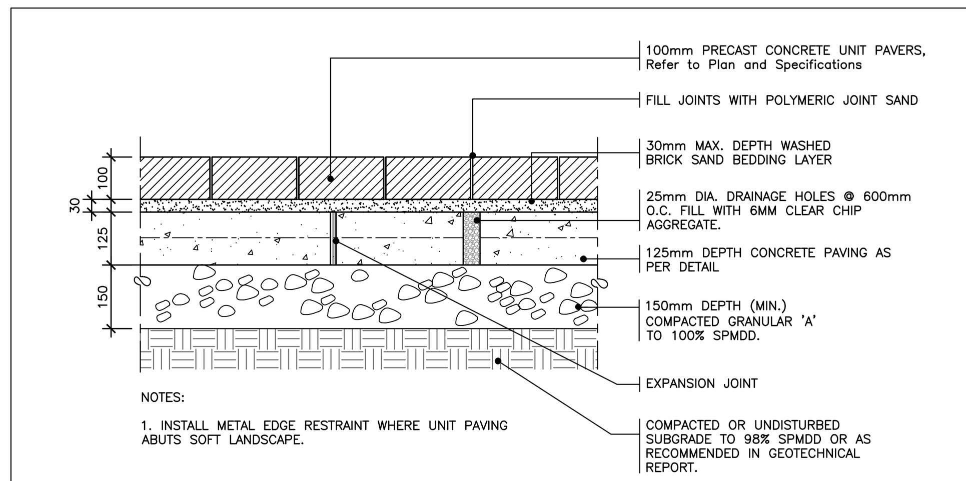


NOTE:
1. ALL PEDESTRIAN SURFACES TO HAVE A MAXIMUM RUNNING SLOPE OF 4.9% AND CROSS SLOPE OF 2%
2. INSTALL DRAINAGE BOARD AT ALL INTERFACES BETWEEN CONCRETE BASE AND CONCRETE BARRIER CURBS OR BUILDING FACE.

PEDESTRIAN CONCRETE PAVING — 1:10 — 7

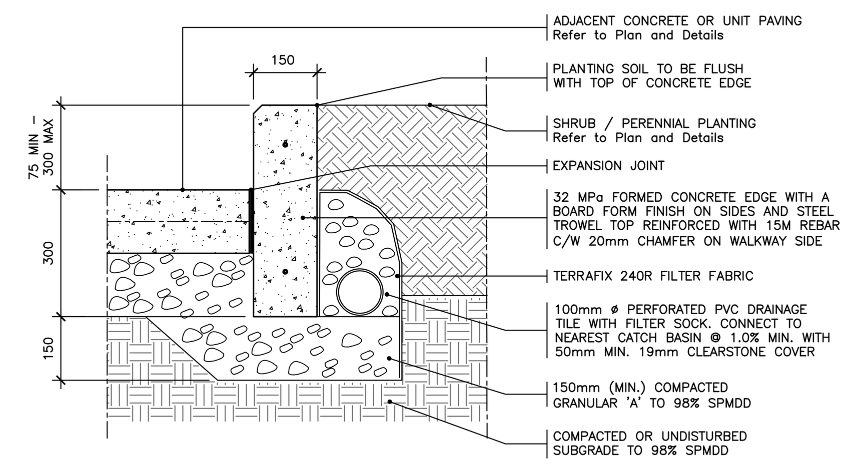


PRECAST MAINTENANCE EDGE — 1:10 — 8

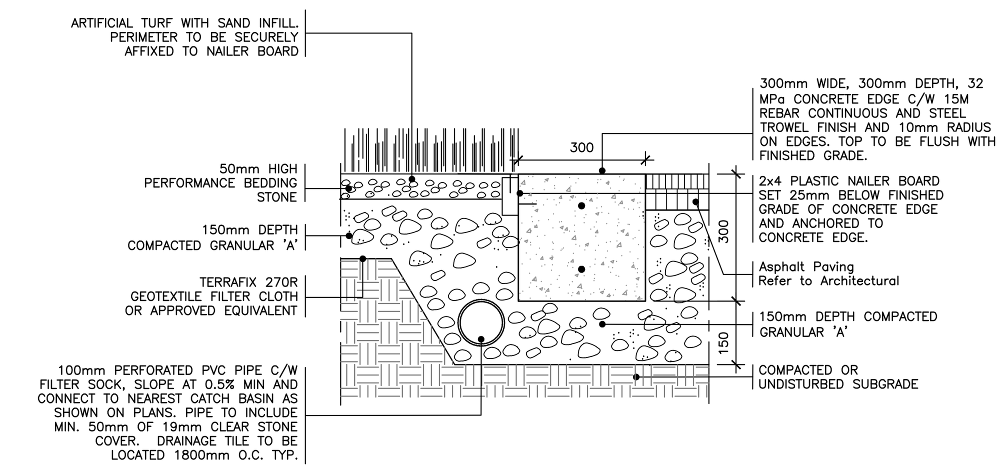


NOTES:
1. INSTALL METAL EDGE RESTRAINT WHERE UNIT PAVING ABUTS SOFT LANDSCAPE.

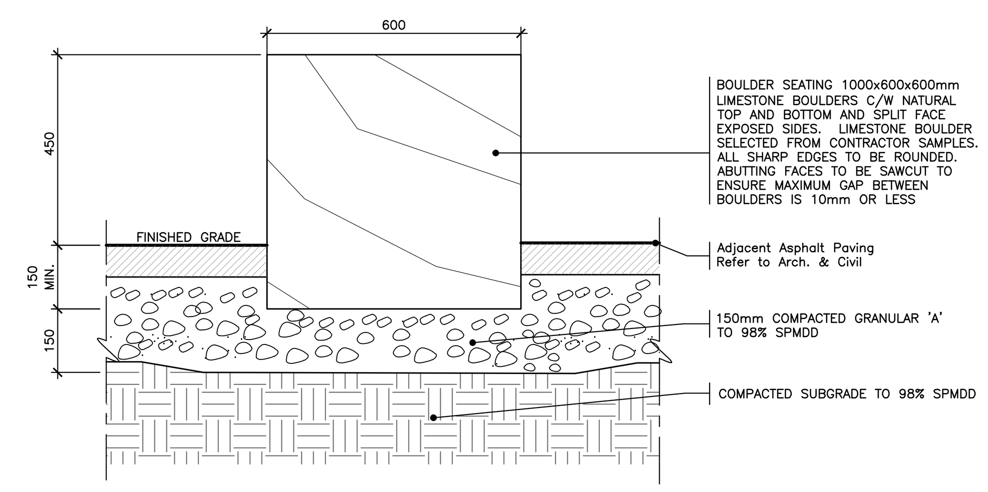
PEDESTRIAN UNIT PAVING — 1:10 — 9



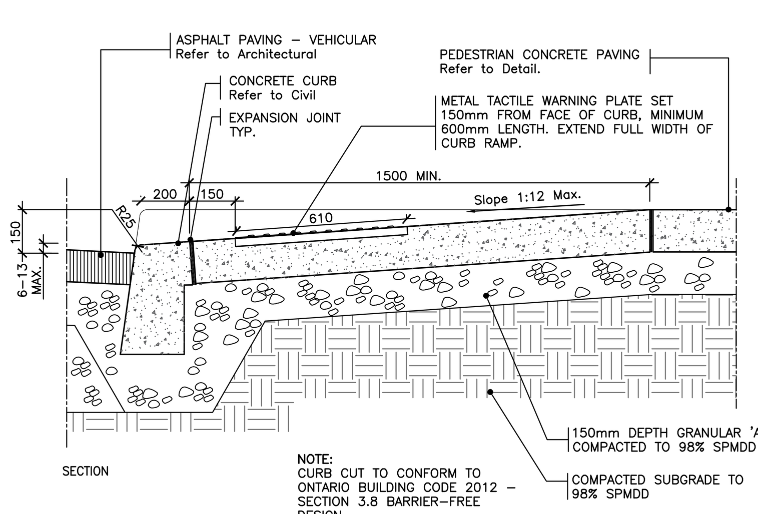
RAISED CONCRETE EDGE — 1:10 — 10



ARTIFICIAL TURF C/W FLUSH CONCRETE EDGE — 1:10 — 11

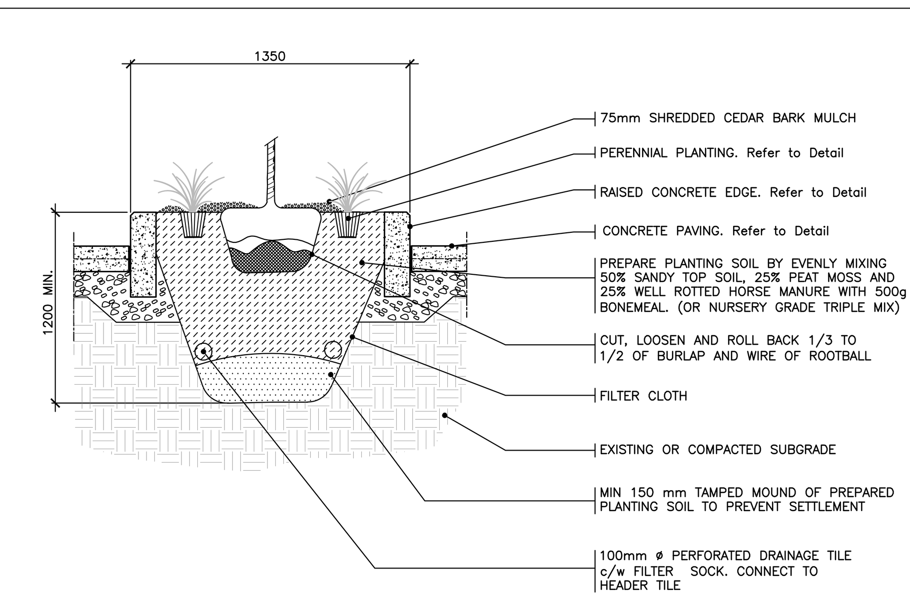


LIMESTONE BOULDER SEATING — NTS — 12

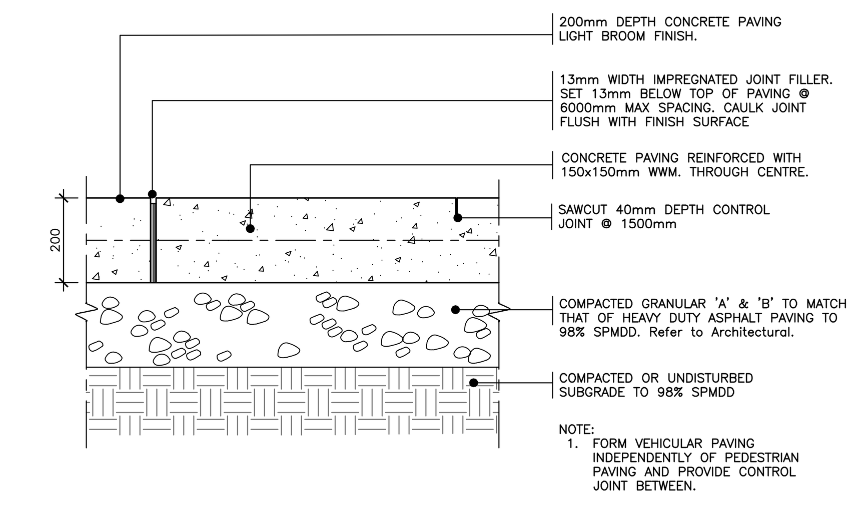


NOTE:
CURB CUT TO CONFORM TO ONTARIO BUILDING CODE 2012 – SECTION 3.8 BARRIER-FREE DESIGN

CURB RAMP — NTS — 13



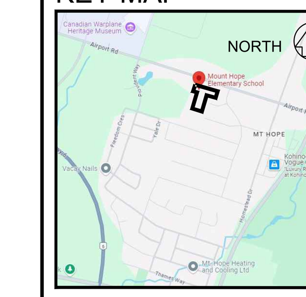
RAISED CONCRETE PLANTER — 1:25 — 14

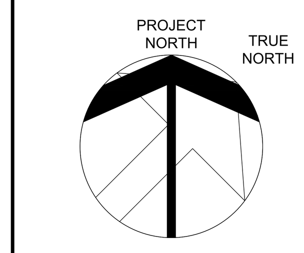


NOTE:
1. FORM VEHICULAR PAVING INDEPENDENTLY OF PEDESTRIAN PAVING AND PROVIDE CONTROL JOINT BETWEEN.

VEHICULAR CONCRETE PAVING — 1:10 — 15

KEY MAP





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

MOUNT HOPE ELEMENTARY SCHOOL
Tender No.
9149 Airport Rd W, Mount Hope , ON L0R 1W0

LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
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905-527-5092

LANDSCAPE DETAILS

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

SCALE AS SHOWN	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING L300
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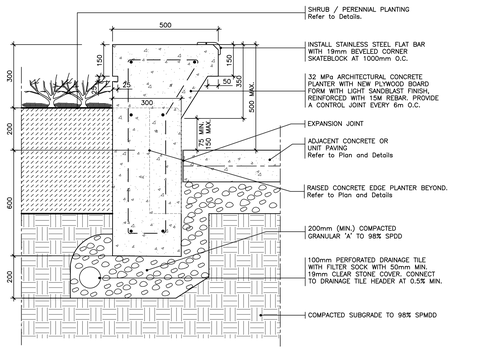
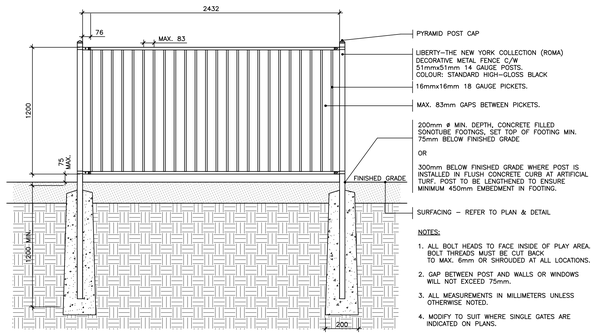


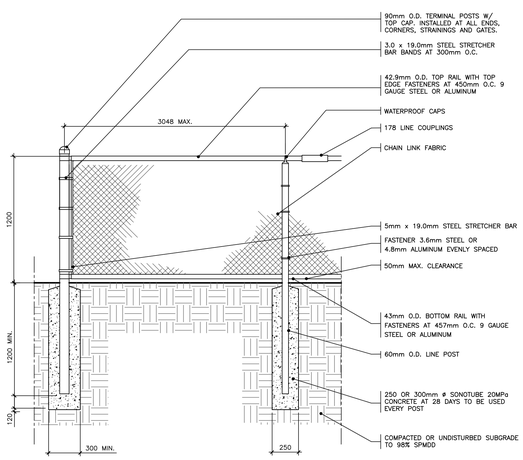
CONCRETE SEATWALL 1:10 (1)



NOTES:
1. ALL BOLT HEADS TO FACE INSIDE OF PLAY AREA. BOLT THREADS MUST BE CUT BACK TO MAX. 6mm OR SHROUDED AT ALL LOCATIONS.
2. GAP BETWEEN POST AND WALLS OR WINDOWS WILL NOT EXCEED 75mm.
3. ALL MEASUREMENTS IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. MODIFY TO SUIT WHERE SINGLE GATES ARE INDICATED ON PLANS.

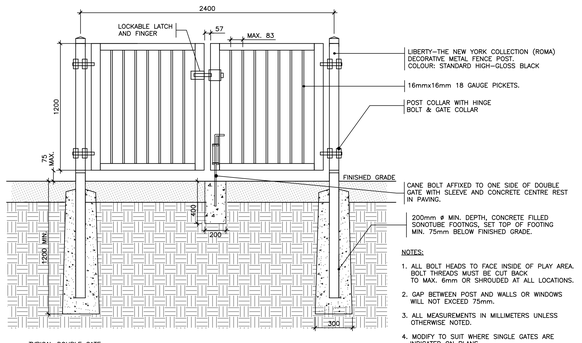
TYPICAL FENCE PANEL

1.2m HT. DECORATIVE METAL FENCE NTS (3)



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

1.2m HT. BLACK VINYL CHAIN LINK FENCE NTS (2)

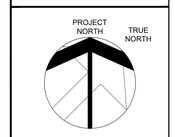


NOTES:
1. ALL BOLT HEADS TO FACE INSIDE OF PLAY AREA. BOLT THREADS MUST BE CUT BACK TO MAX. 6mm OR SHROUDED AT ALL LOCATIONS.
2. GAP BETWEEN POST AND WALLS OR WINDOWS WILL NOT EXCEED 75mm.
3. ALL MEASUREMENTS IN MILLIMETERS UNLESS OTHERWISE NOTED.
4. MODIFY TO SUIT WHERE SINGLE GATES ARE INDICATED ON PLANS.

TYPICAL DOUBLE GATE

1.2m HT. DECORATIVE METAL GATES NTS (4)

KEY MAP



NO.	DESCRIPTION	DATE
4	REISSUED FOR SPA	25 11 17
3	ISSUED FOR TENDER	25 11 10
2	REISSUED FOR SPA	25 09 22
1	ISSUED FOR SPA	25 04 02

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

MOUNT HOPE ELEMENTARY SCHOOL

Tender No.

9149 Airport Rd W.
Mount Hope , ON L0R 1W0

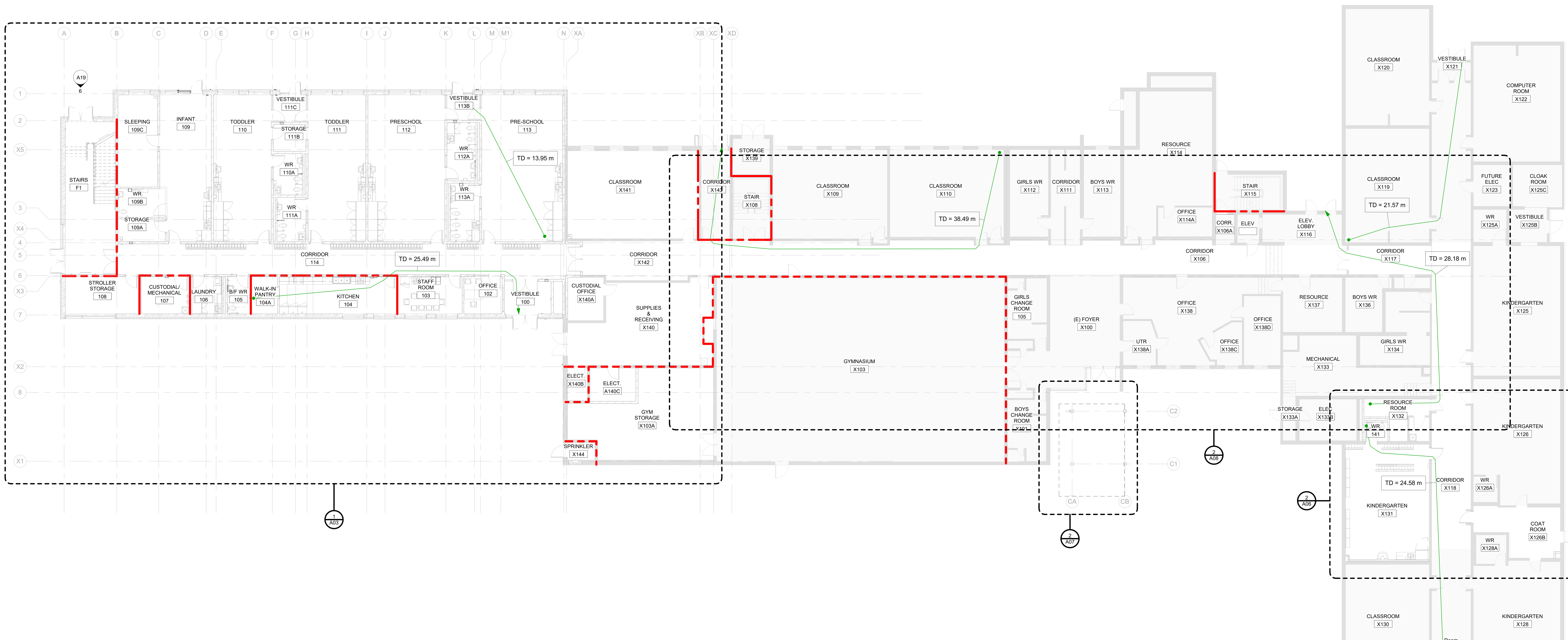
LEGAL DESCRIPTION

HWDSB
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD
20 Education Court, P.O. Box 2558
Hamilton ON L8N 3L1
905-527-5092

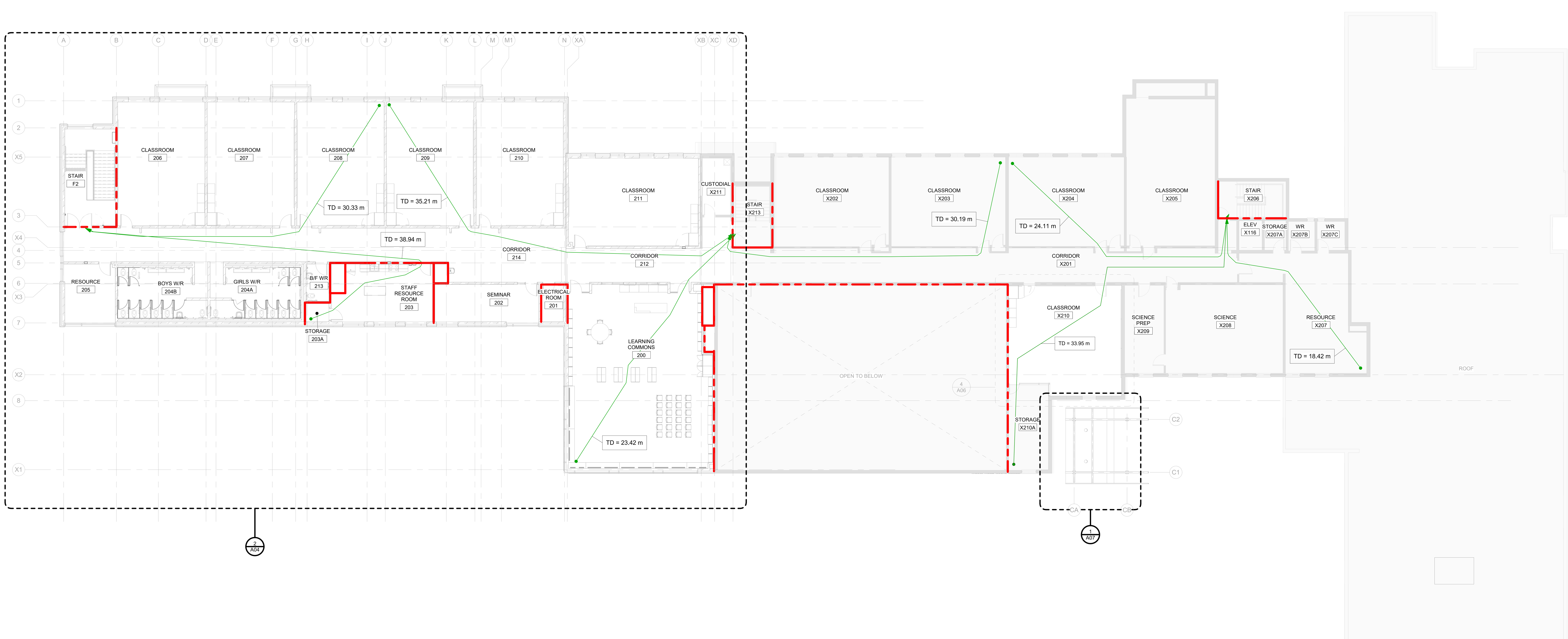
LANDSCAPE DETAILS

FRP INC.
landscape.architects
1877 Davenport Road
Toronto, Ontario
Canada M6H 1B9
www.frp.ca

SCALE AS SHOWN	PROJECT 251581
DATE JAN. 2025	
DRAWN TT	DRAWING L301
CHECKED BF	
PRINT DATE	
CAD FILE	



1 OVERALL PROPOSED GROUND FLOOR PLAN
A01 SCALE: 1 : 150



2 OVERALL PROPOSED SECOND FLOOR PLAN
A01 SCALE: 1 : 150

1	PROJECT DESCRIPTION: 2 STOREY PUBLIC SCHOOL ADDITION ☐ NEW ■ ADDITION ☐ CHANGE OF USE ☐ ALTERATION	■ PART 3 ■ PART 11
1a	PROJECT NAME & ADDRESS: MOUNT HOPE ELEMENTARY SCHOOL, 9149 AIRPORT RD., MOUNT HOPE, ON	
2	MAJOR OCCUPANCY(S): GROUP A DIVISION 2	
3	BUILDING AREA (SQ.M.): EXIST. 2591 NEW 791 TOTAL 3,382	
4	GROSS AREA (SQ.M.): EXIST. 3,837 NEW 1,896 TOTAL 5,733	
5	NO. OF STOREYS ABOVE GRADE: 2 BELOW GRADE: 0	
6	NUMBER OF STREETS/ACCESS ROUTES: 1	
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: ☐ COMBUSTIBLE ■ NON COMBUSTIBLE ☐ BOTH ACTUAL CONSTRUCTION: ☐ COMBUSTIBLE ■ NON COMBUSTIBLE ☐ 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 1ST FLOOR OCCUPANCY A2 LOAD ___ PERSONS 2ND FLOOR OCCUPANCY A2 LOAD ___ PERSONS	SEE ATTACHED CHARTS FOR DETAILED CALCS.
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	NOT REQUIRED PER 3.2.2.24
		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	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
SOUTH	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
EAST	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				
WEST	PROPERTY LINE EXCEEDS MINIMUM DISTANCE IN A SPRINKLERED BUILDING				

Occupant Load for Mount Hope Elementary School OBC 3.1.17.2

	Room Type	Number of Rooms	Student Occ. Load per room	Staff Occ. Load per room	Student Occ load	Staff Occ load	Total Occ. Load	Notes
GROUND	Ex. Kindergarten	4	**26**	1	104	4	108	
	Ex. Classroom	6	**30**	1	180	6	186	
	Ex.Computer Room	1	**30**	1	30	1	31	
	Ex. Gym (1st Floor)	1	0	1	0	1	0	
	Ex. Resource Rooms (>400 ft² / 37.2m2)	3	12	1	36	3	39	
	Administration Areas:							
	Ex. Principal	1	0	1	0	1	1	
	Ex. Vice Principal	1	0	1	0	1	1	
	Ex. Receptionists	2	0	2	0	4	4	
	Ex. Custodians	2	0	2	0	3	4	
	Prop. Custodial/Mechanical	1	0	2	0	3	2	
	Subtotal ground floor				350	27	376	
SECOND	Ex. Classroom	5	**30**	1	150	5	155	
	Prop. Classroom	6	**30**	1	180	6	186	
	Ex. Science	1	**30**	1	30	1	31	
	Ex. Resource Rooms (>400 ft² / 37.2m2)	1	12	1	12	1	13	
	Prop. Resource Rooms (>400 ft² / 37.2m2)	2	12	1	24	2	26	
	Prop. Learning Commons	1	**0**	1	0	1	1	
	Prop. Administration Areas:							
	Ex. Custodians	2	0	2	0	3	4	
	Custodial/Mechanical	1	0	2	0	3	2	
	Subtotal second floor				396	22	418	
	Subtotal School				746	49	794	
	Ex. Portables	7	26	1	182	12	**194**	
	TOTAL OCCUPANT LOAD school (for the purpose of exiting rqmnts)				**928**	**61**	**988**	
	TOTAL STUDENT OCCUPANT LOAD (for the purpose of WR rqmnts) - including portables. (note kindergartens are not included as 1 washroom is provided for each classroom of 26 students)				**928**			
CHILD	Infant	1	10	2	10	2	12	
	Toddler	2	15	2	30	4	34	
	Preschool	2	24	2	48	4	52	
	Administration Areas:	1	0	1	0	1	1	
	Subtotal Child Care				88	11	**99**	

student load divided by
928 2 = 464 boys & 464 girls.
464 divided by 30 boys = 15.5 **16.0** boys washrooms required (students)
464 divided by 26 girls = 17.8 **18.0** girls washrooms required (students)

61 staff load divided by 2 = 31 Men & 31 Women.
31 divided by 30 men = 1.0 **2.0** Male washroom required (staff)
31 divided by 26 women = 1.2 **2.0** Female washroom required (staff)

LAVATORY COUNT

OBC 3.7.4.2.(5)

WASHROOM TYPE	NO. OF WATER CLOSETS PROVIDED	NO. OF LAVATORIES
BOY'S WASHROOM	16	(4) BRADLEY - 3-SPRAY
GIRL'S WASHROOM	18	(4) BRADLEY - 3-SPRAY
KINDERGARTEN	3	3
DAYCARE	11	11
UNISEX (STAFF)	3	3
UNIVERSAL WASHROOM	1	1
BARRIER FREE WASHROOM	3	3

WATER CLOSET COUNT

OBC 3.7.4.3.(14)

WASHROOM TYPE	NO. OF WATER CLOSETS & URINALS
BOY'S WASHROOMS TOTAL WATER CLOSETS = 11 TOTAL URINALS = 5	16
GIRL'S WASHROOMS	18
KINDERGARTEN WASHROOM	3
UNIVERSAL WASHROOM	1
BARRIER FREE WASHROOM	3
DAYCARE WASHROOMS	11
UNISEX WASHROOMS (STAFF)	3

FIRE SEPARATION NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

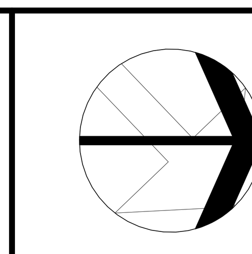
13. WHERE STEEL SUPPORTS A FLOOR ASSEMBLY OR FORMS PART OF A RATED FIRE SEPARATION IT SHALL BE:

CEMENTITIOUS SPRAY FIRE-PROOFING – CONCEALED SPACES

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

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

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



FIRE SEPARATION LEGEND

1 HOUR FIRE SEPARATION
1/2 HOUR FIRE SEPARATION
0 HOUR FIRE SEPARATION

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	REQ. EQ.T. (mm) 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	251120
2	RE-ISSUED FOR BUILDING PERMIT	251031
1	ISSUED FOR BUILDING PERMIT	250725

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
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 6053
CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9

FIRE SEPARATION & OBC MATRIX

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

SCALE As indicated	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A01
CHECKED PL/JK	
PRINT DATE	11/18/2025 2:54:52 PM
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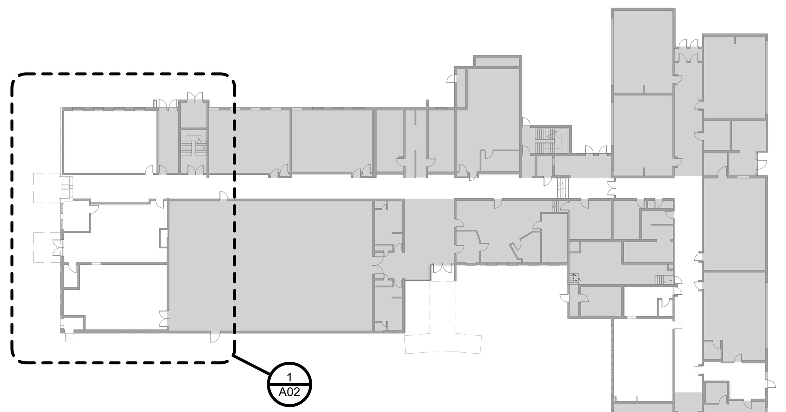
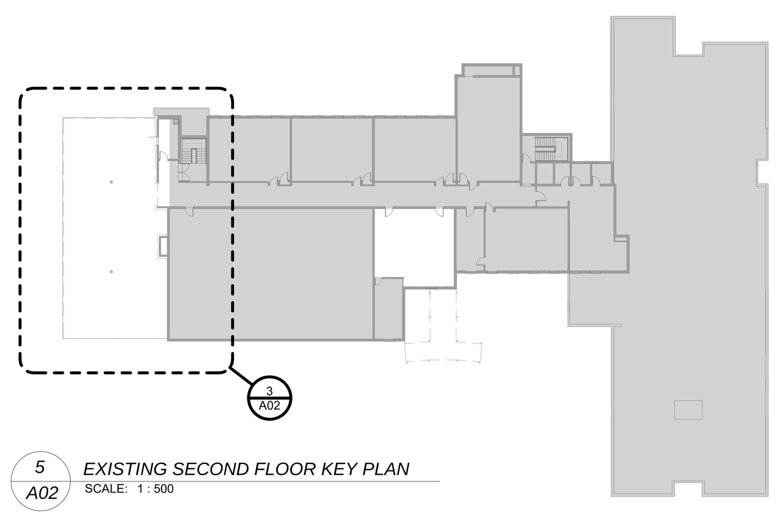
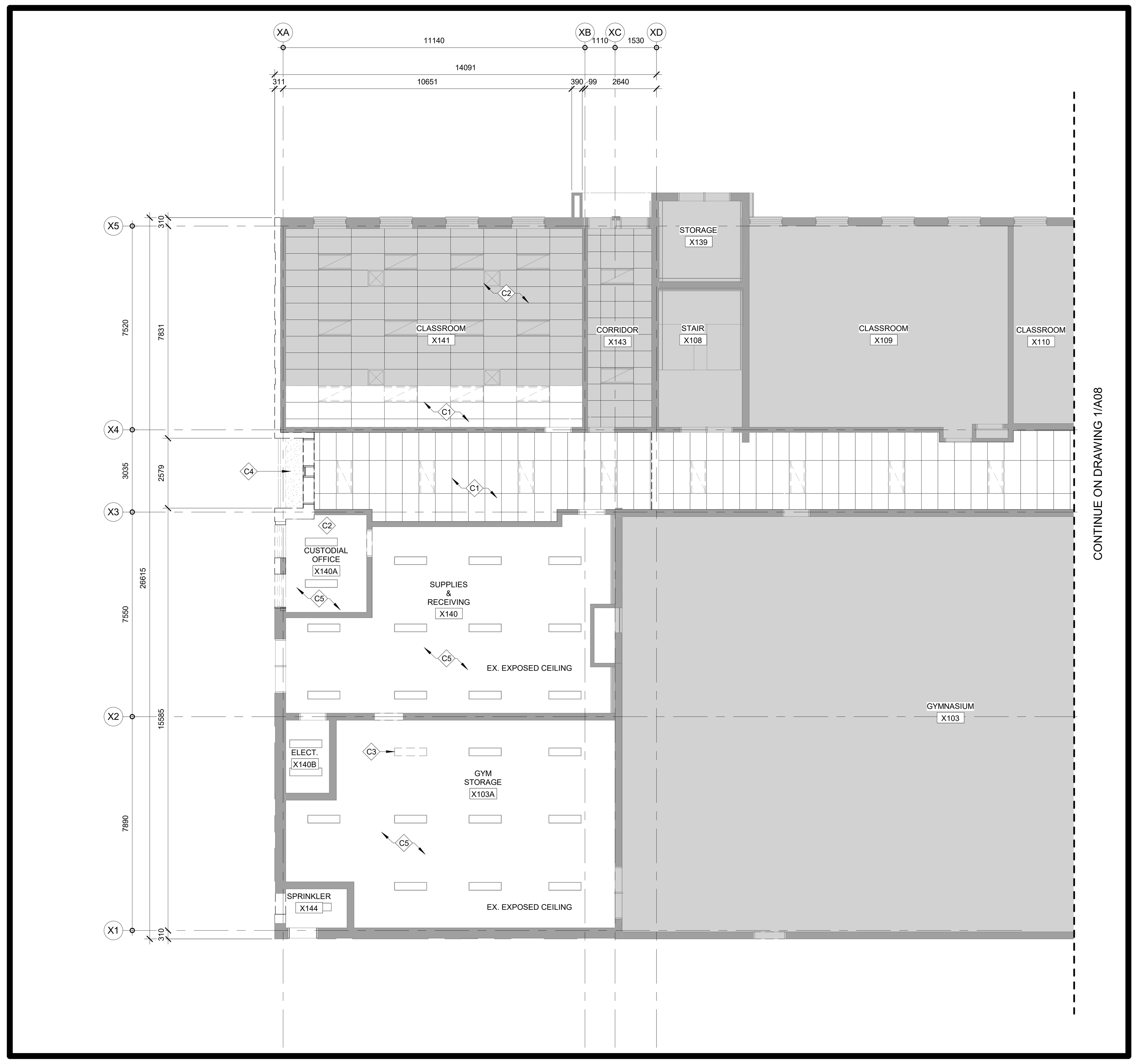


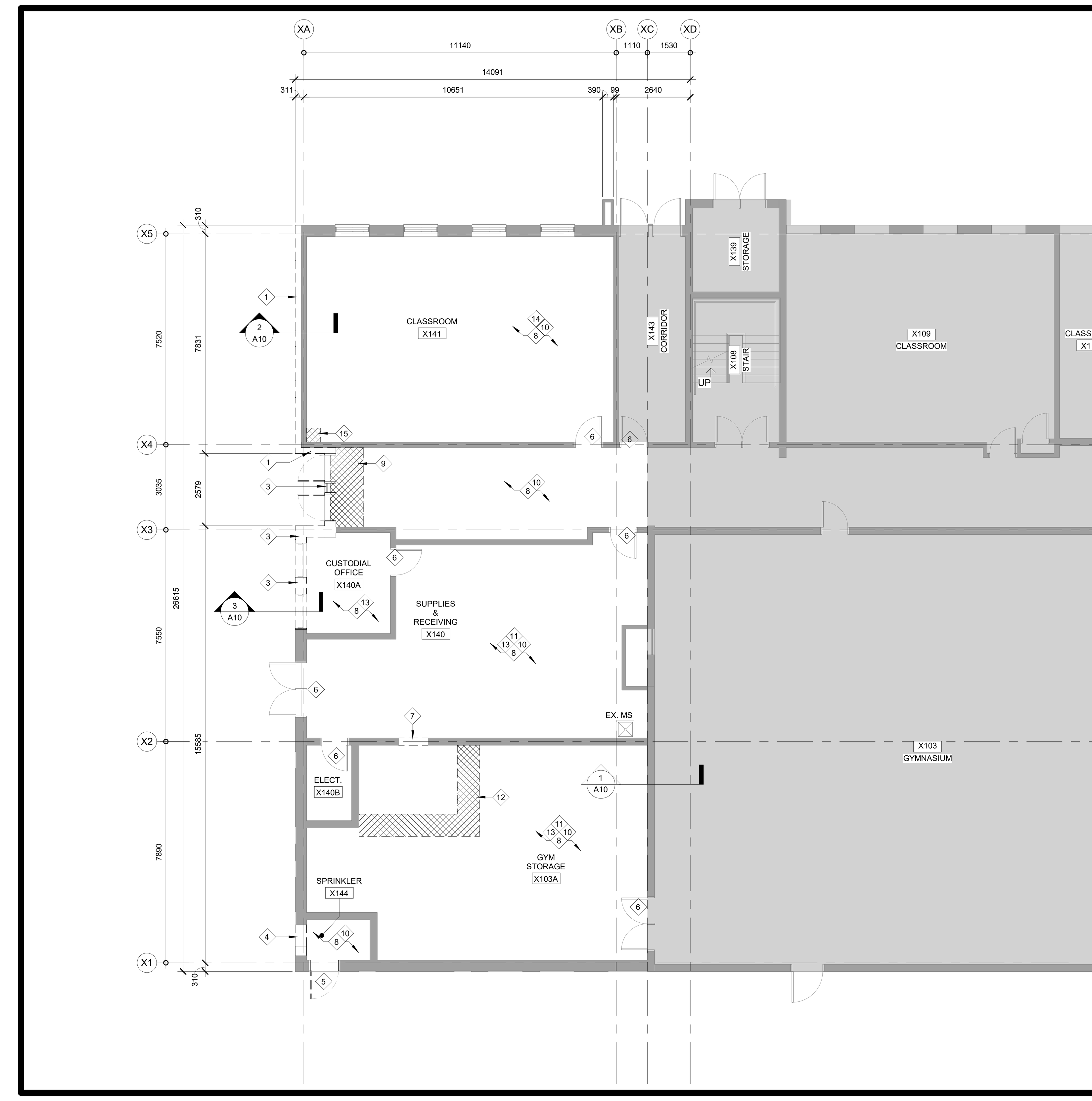
4 A02 *EXISTING GROUND FLOOR KEY PLAN*
SCALE: 1 : 500



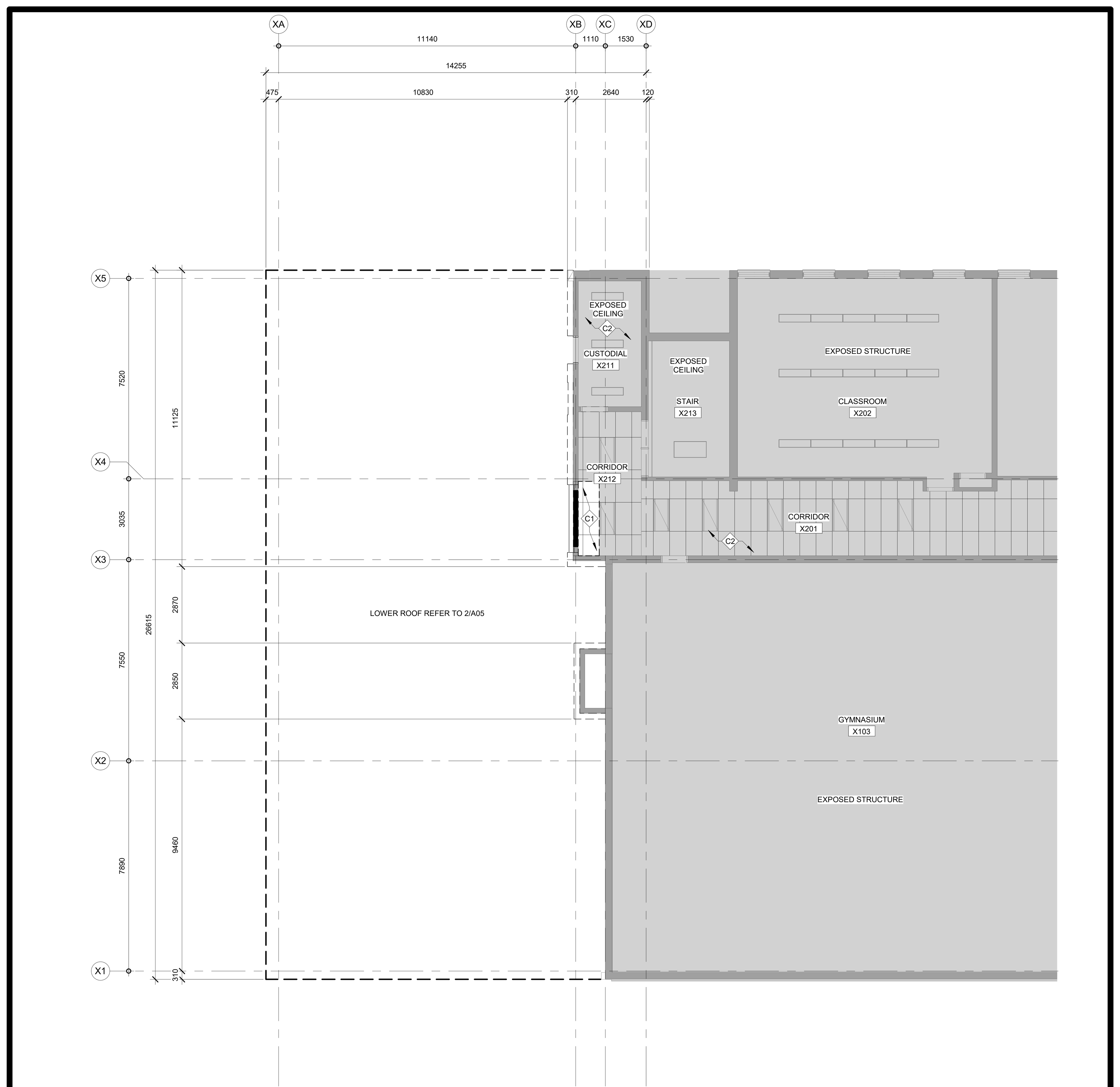
5 A02 *EXISTING SECOND FLOOR KEY PLAN*
SCALE: 1 : 500



2 A02 *GROUND FLOOR DEMOLITION RCP - ADDITION*
SCALE: 1 : 100



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



3 A02 *DEMOLITION PARTIAL SECOND FLOOR RCP - ADDITION*
SCALE: 1 : 100

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

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

DEMOLITION NOTES

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

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

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

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

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

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

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

1 — CAREFULLY REMOVE EXTERIOR BRICK AND INSULATION, EXPOSING 190 CONC TO EXTENT SHOWN. BLOCK. PATCH AND MAKE GOOD CONC. BLOCK TO REMAIN AND TIE IN TO ADDITION. REFER TO PROPOSED PLANS AND SECTIONS. REFER TO STRUCTURAL DWGS FOR TIE IN.

2 — REMOVE WINDOW ASSEMBLY ENTIRELY. PATCH AND MAKE GOOD WALL TO REMAIN AS REQUIRED FOR NEW WALL INFILL. REFER TO PROPOSED DWGS.

3 — REMOVE EXISTING EXTERIOR WALL (INCLUDING SCREEN & DOOR ASSEMBLY, FRAMES, GLAZING AND FINISHES WHERE APPLICABLE) FROM FINISH FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD ADJACENT WALLS TO REMAIN WHERE APPLICABLE FOR NEW FINISHES.

4 — CUT DOOR OPENING IN EXISTING EXTERIOR BRICK ON BLOCK WALL DOOR ASSEMBLY. PATCH AND MAKE GOOD ADJACENT WALLS. SALVAGE EXISTING BLOCK AND BRICK VENEER TO ENSURE ENOUGH HAS BEEN SAVED FOR INFILL AT NEW LINTEL AND JAMBS. REFER TO STRUC. DWGS. SALVAGE AND STORE EXISTING EXTERIOR BRICK. REMOVE ALTERNATE COURSES OF BRICK AT FRAME FOR TOOTHING IN OF BRICK INFILL. INFILL EXTERIOR WITH SALVAGE BRICK. CUT BLOCK TO SUIT OPENING, PATCH AND MAKE GOOD WALL TO MATCH EXISTING AS REQUIRED.

5 — REMOVE EXISTING EXTERIOR DOOR ASSEMBLY INCLUDING FRAME. PATCH AND MAKE GOOD EXISTING WALL TO REMAIN AS REQUIRED FOR NEW WALL INFILL WHERE APPLICABLE. REFER TO PROPOSED DWGS.

6 — REMOVE PAINT FROM DOOR. SAND AND PREP DOOR FOR NEW FINISH. REFER TO FINISH SCHEDULE.

7 — SAW CUT NEW OPENING IN EXISTING BLOCK WALL FOR NEW DOOR ASSEMBLY. LOCATION OF SAWCUT PER DIMENSIONS IN PROPOSAL DWGS. REFER TO STRUC. DWGS. FOR REQUIRED LINTEL. REFER TO SCHEDULE FOR SIZE OF OPENING. REFER TO AD DWGS. FOR DOOR JAMB DETAIL. PATCH AND MAKE GOOD WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES. GRIND AND SMOOTH EDGES OF CONCRETE BLOCK AT OPENING TO FORM BULLNOSE. PARGE SMOOTH.

8 — CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN IN AREA OF WORK. PATCH AND REPAIR AS REQUIRED IF DAMAGED DURING CONSTRUCTION.

9 — DEMOLISH EXISTING TERRAZZO FLOORING AND/OR COVE BASE TO THE NEAREST JOINT DOWN TO CONCRETE SLAB. PREPARE SLAB FOR NEW FLOOR FINISH. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE. REFER TO PROPOSED DWGS. FOR FLOOR TIE-IN.

10 — CONTRACTOR TO PROTECT EXISTING WALLS TO REMAIN, IN AREA OF WORK. PREPARE FOR NEW PAINT FINISH.

11 — CAREFULLY REMOVE EXISTING WALL MOUNTED FIXTURES AND FITMENTS LISTED BUT NOT LIMITED TO: TACKBOARDS, WHITE BOARDS, BRACKETS/FASTENERS, SHELVES, WALL MOUNTED ORGANIZERS THROUGHOUT ROOM WHERE APPLICABLE. COMPLETELY REMOVE ALL BASE AND MISC. HOOKS ON WALLS UNLESS OTHERWISE NOTED. PATCH AND MAKE GOOD WALLS AS REQUIRED. GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL, TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE.

12 — CAREFULLY, SAWCUT AND REMOVE EXISTING TERRAZZO FLOORING AND COVE BASE TO EXTENT SHOWN. PATCH AND MAKE GOOD EXISTING CONCRETE SLAB SURFACE TO ACCEPT NEW BLOCK WALL. INFILL NEW TERRAZZO FLOORING AND COVE BASE AROUND NEW BLOCK WALL. REFER TO ROOM FINISH SCHEDULE AND PROPOSED DWGS.

13 — REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED FOR ASSOCIATED REMOVAL AND/OR RELOCATION.

14 — EXISTING MILLWORK TO REMAIN. CONTRACTOR TO ENSURE MILLWORK IS NOT DAMAGED DURING CONSTRUCTION. REFER TO PROPOSED PLAN.

15 — CAREFULLY REMOVE EXISTING PORCELAIN TILE FLOORING TO EXTENT SHOWN. PATCH AND MAKE GOOD EXISTING CONCRETE SLAB SURFACE TO ACCEPT NEW BLOCK WALL CHASE. REFER TO PROPOSED DRAWINGS AND SCHEDULES AS REQUIRED.

SYMBOLS AND REFERENCE BUBBLE LEGEND

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

DEMOLITION NOTES - REFLECTIVE CEILING PLANS

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

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

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

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

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

C1 — EXISTING CEILING TILES, GRID, LIGHTS & DEVICES TO BE CAREFULLY REMOVED AND REINSTALLED TO EXTENT SHOWN, AS REQUIRED FOR NEW CHASE WALL. SAFELY STORE ON SITE EXISTING TILES FOR RE-INSTALLATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. G.C. TO REPLACE ANY DAMAGED TILES.

C2 — CONTRACTOR TO PROTECT EXISTING CEILING TO REMAIN IN AREA OF WORK. PATCH AND REPAIR AS REQUIRED IF DAMAGED DURING CONSTRUCTION.

C3 — CAREFULLY REMOVE EXISTING LIGHT FIXTURE FOR NEW BLOCK WALLS. PATCH AND MAKE GOOD CEILING TO REMAIN AS REQUIRED FOR NEW LIGHTING LAYOUT. REFER TO ELECTRICAL DWGS FOR LIGHT FIXTURES. REFER TO ARCH. DWGS FOR NEW BLOCK WALLS.

C4 — EXISTING SOFFIT TO BE DEMOLISHED INCLUDING EXISTING PLATE, LINTEL AND STEEL STUDS, INSULATION AND VAPOUR BARRIERS. PREPARE ADJACENT WALL AND CEILING FOR NEW CEILING TIE-IN. REFER TO PROPOSED

C5 — REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED FOR ASSOCIATED REMOVAL AND/OR RELOCATION.

ABBREVIATION LEGEND

A	ACTIVE LEAF
AFF	ABOVE FINISHED FLOOR
BD	BOARD
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFPL	BARRIER FREE PUSH BUTTON LOCK
BFS	BOTTLE FILLER STATION
BH	BREAK-AWAY HOOK
BL	BARRIER FREE LOCKER
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHSM	CABINET HEATER (SURFACE MTD)
CHSR	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REFER TO SPEC
CONT.	CONTINUOUS
CR+S	COAT RACK AND SHELF. REFER TO SPEC
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
EWS	EYE WASH SINK
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FR	FRIDGE
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBB	GYPSUM BOARD BULKHEAD
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HB	HOSE BIB
HD	HAND DRYER
HDs	HAND DRYER WITH SHROUD
HFS	HORIZONTAL FIRESTOP
HORZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HWT	HOT WATER TANK
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
M	MIRROR
ML	MIRROR LONG
MCP	MODULAR CONTROL PANEL
MR	METAL RACKING
MS	MOP SINK
NIC	NOT IN CONTRACT
NFHB	NON FREEZE HOSE BIB, REF. DIV 15
PAS	PUBLIC ANNOUNCEMENT SYSTEM (NIC)
PB	PROGRAM BELL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
RF	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE. REFER TO SPECS
RWL	RAIN WATER LEADER
SD	SOAP DISPENSER
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SWR	SEMI-RECESSED WASTE RECEPTACLE
TEC	TECTUM ACOUSTIC PANELS
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
W/R	WASHROOM

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

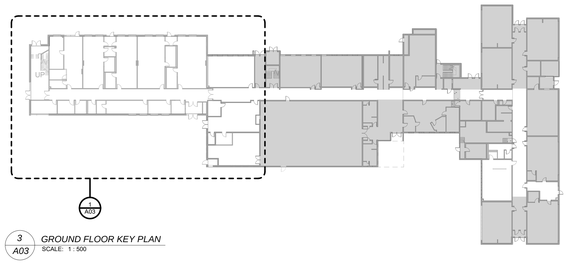
HWDSB

20 EDUCATION COURT, HAMILTON, ON L9A 0B9

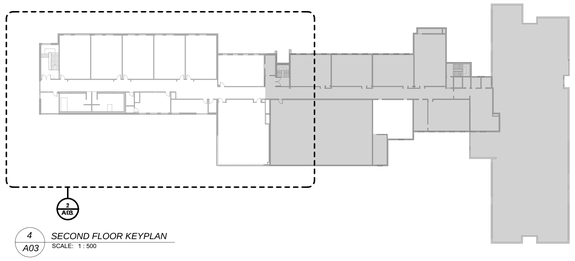
DEMOLITION GROUND FLOOR PLAN & RCP - ADDITION

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

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A02
CHECKED: PL/JK	
PRINT DATE	11/18/2025 3:05:09 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



3 A03 GROUND FLOOR KEY PLAN
SCALE: 1 : 500



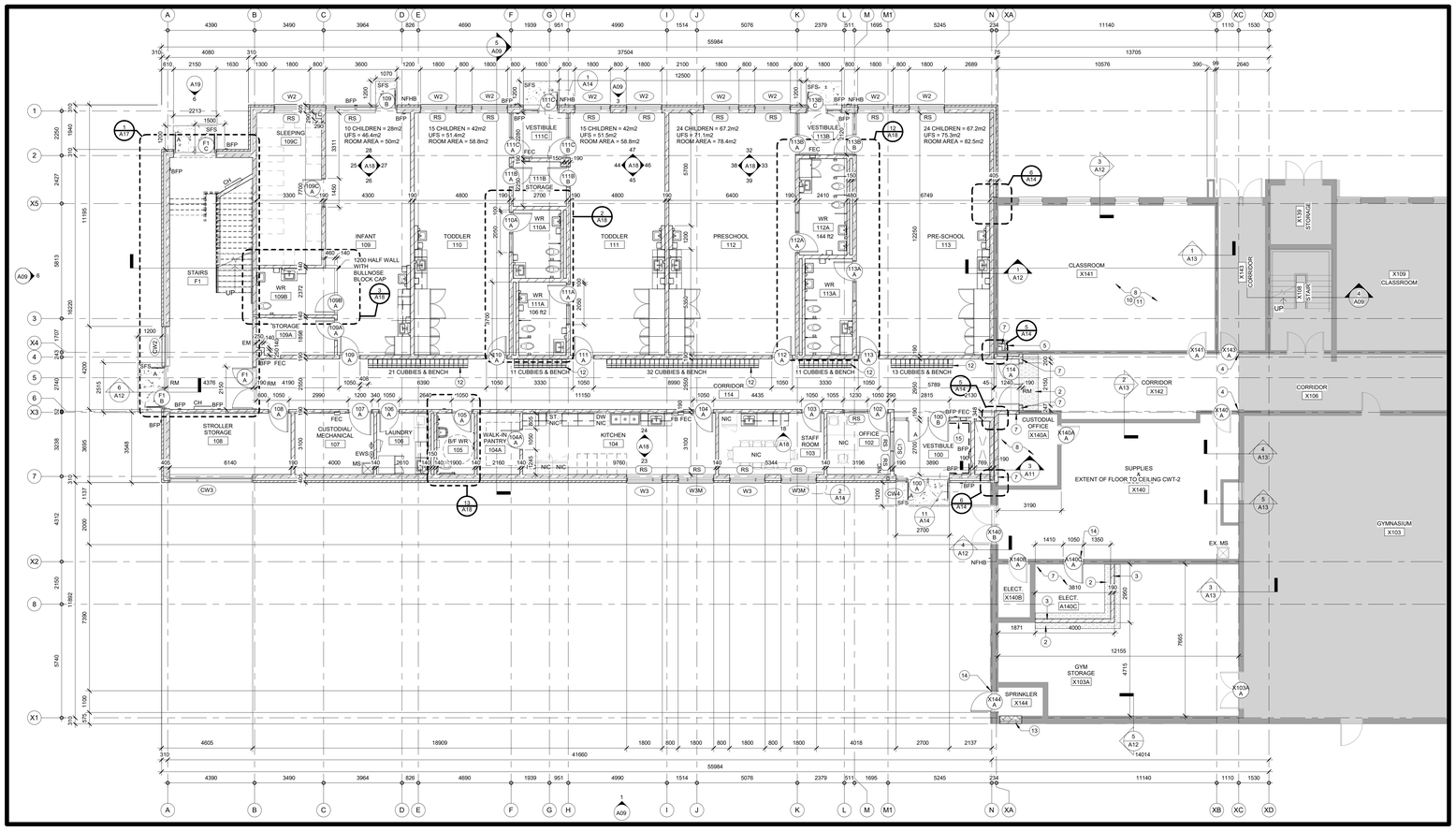
4 A03 SECOND FLOOR KEYPLAN
SCALE: 1 : 500

CONSTRUCTION NOTES

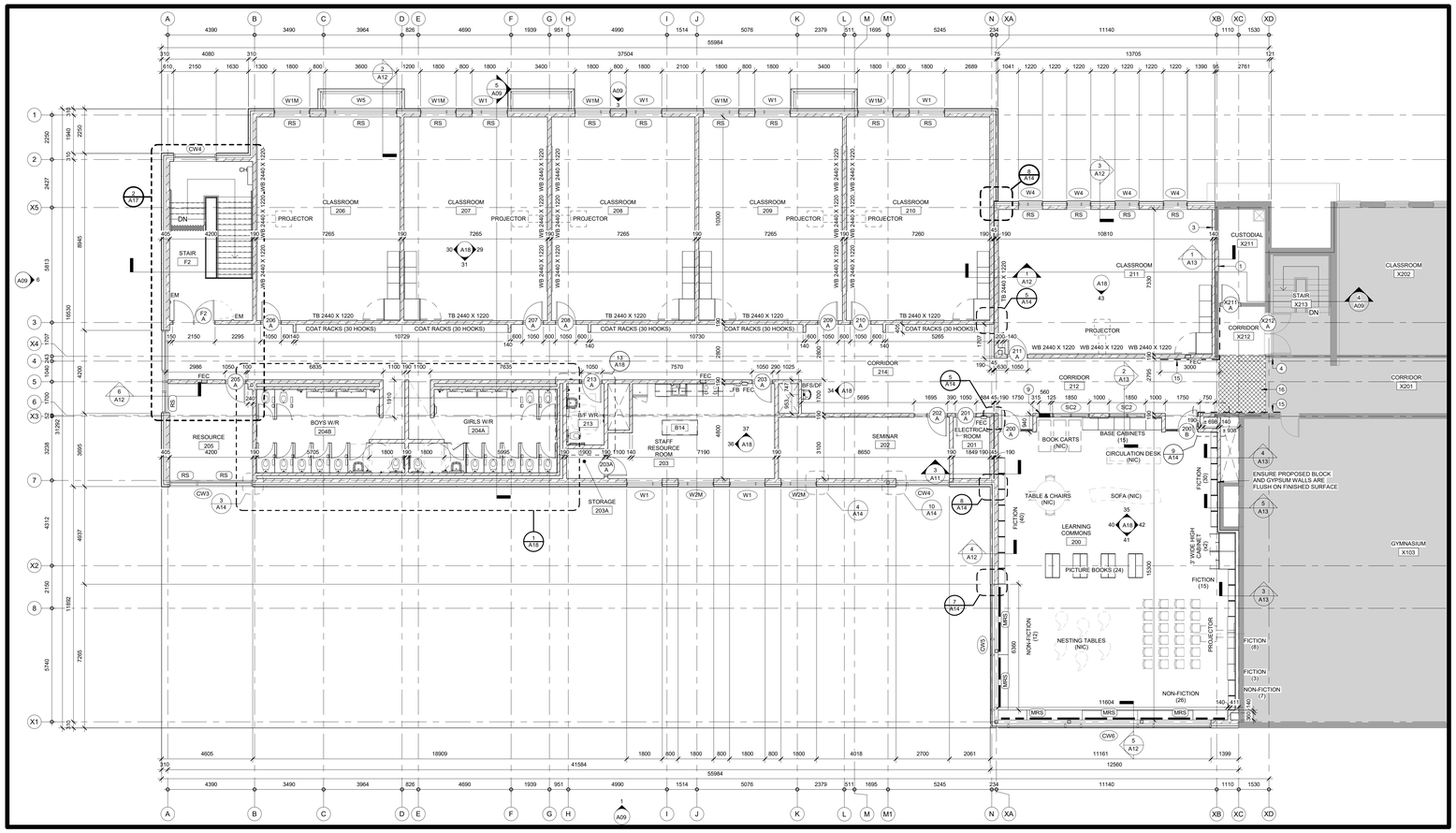
DRAWINGS TO READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

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

1. NEW CONCRETE BLOCK WALL INFILL. REFER TO ROOM FINISH SCHEDULE FOR NEW PAINT FINISH.
2. INFILL TERRAZZO FLOORING AND COVE BASE AS REQUIRED. PATCH AND MAKE GOOD EXISTING SLAB TO SATISFACTION OF FLOOR TRADES. TO MATCH EXISTING TERRAZZO. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW PAINT. REFER TO PROPOSED DWGS. FOR FLOOR TIE-IN.
3. NEW CONCRETE BLOCK WALL. REFER TO ROOM FINISH SCHEDULE FOR NEW PAINT FINISH.
4. PAINT EXISTING WALLS TO REMAIN FROM ADDITION TO EXTENT . REFER TO FINISH SCHEDULE FOR NEW FINISH.
5. PATCH AND INFILL FLOOR TILE AND BASE TO MATCH EXISTING AS REQUIRED.
6. NOT IN USE.
7. PATCH AND PAINT NEW BLOCK WALL TO MATCH EXISTING
8. CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN IN AREA OF WORK. PATCH AND REPAIR EXISTING FLOORING, BASE AND COVE AS REQUIRED, TO MATCH EXISTING.
9. NEW INTERIOR THRUWALL BOOK DROP.
10. CONTRACTOR TO PROTECT EXISTING WALLS TO REMAIN. IN AREA OF WORK. PREPARE FOR NEW PAINT FINISH.
11. EXISTING MILLWORK TO REMAIN. CONTRACTOR TO ENSURE MILLWORK IS NOT DAMAGED DURING CONSTRUCTION.
12. NEW CUBBIES & BENCH MILLWORK, REFER TO AD 622.
13. INFILL EXISTING EXTERIOR WALL OPENING. EXTERIOR FINISH TO MATCH EXISTING. SALVAGE EXISTING VENEER FROM AREAS OF ADDITION REMOVALS. TOOTH IN MASONRY VENEER TO ADJACENT VENEER. TIE INTO EXISTING VAPOUR BARRIER.
14. NEW DOOR AND FRAME IN EXISTING WALL. REFER TO DOOR SCHEDULE.
15. EXTENT OF FLOOR TO CEILING CWT. REFER TO ROOM FINISH SCHEDULE.
16. PREPARE SLAB FOR NEW FLOOR FINISH TO SATISFACTION OF FLOORING TRADE. REFER TO FINISH SCHEDULE AND FLOOR PATTERN DRAWING FOR NEW FLOORING.



1 A03 PROPOSED PARTIAL GROUND FLOOR - ADDITION
SCALE: 1 : 100



2 A03 PROPOSED PARTIAL SECOND FLOOR - ADDITION
SCALE: 1 : 100

ABBREVIATION LEGEND

ACT	ACTIVE LEAF
AFF	ABOVE FINISHED FLOOR
BD	BOARD
BF	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFPL	BARRIER FREE PUSH BUTTON LOCK
BFS	BOTTLE FILLER STATION
BH	BREAK-AWAY HOOK
BL	BARRIER FREE LOCKER
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHSM	CABINET HEATER (SURFACE MTD)
CHSR	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REFER TO SPEC
CONT.	CONTINUOUS
CR+S	COAT RACK AND SHELF. REFER TO SPEC
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
EWS	EYE WASH SINK
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FR	FRIDGE
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBB	GYPSUM BOARD BULKHEAD
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HB	HOSE BIB
HD	HAND DRYER
HDs	HAND DRYER WITH SHROUD
HFS	HORIZONTAL FIRESTOP
HORZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HWT	HOT WATER TANK
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
MI	MIRROR
ML	MILLWORK ONLY
MCP	MODULAR CONTROL PANEL
MR	METAL RA BACKING
MS	MOP SINK
NIC	NOT IN CONTRACT
NFHB	NON FREEZE HOSE BIB. REF. DIV 15
PAS	PUBLIC ANNOUNCEMENT SYSTEM (NIC)
PB	PROGRAM BELL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
RF	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE. REFER TO SPECS
RWL	RAIN WATER LEADER
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TEC	TECTUM ACOUSTIC PANELS
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
W/D	WASHER/ DRYER NIC
WM	WIREMOLD
W/R	WASHROOM

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL. TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL. TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADUCEUR
LICENCE 6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L5A 0B9

PROPOSED GROUND & SECOND FLOOR PLAN - ADDITION

HOSSACK ARCHITECTURE

105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V1
(905) 910-6284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A03
CHECKED: PL/JK	
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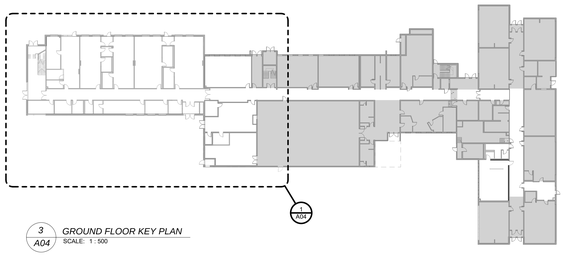
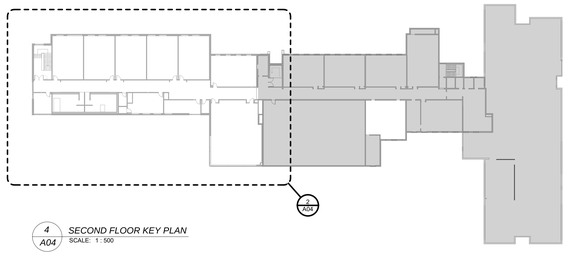
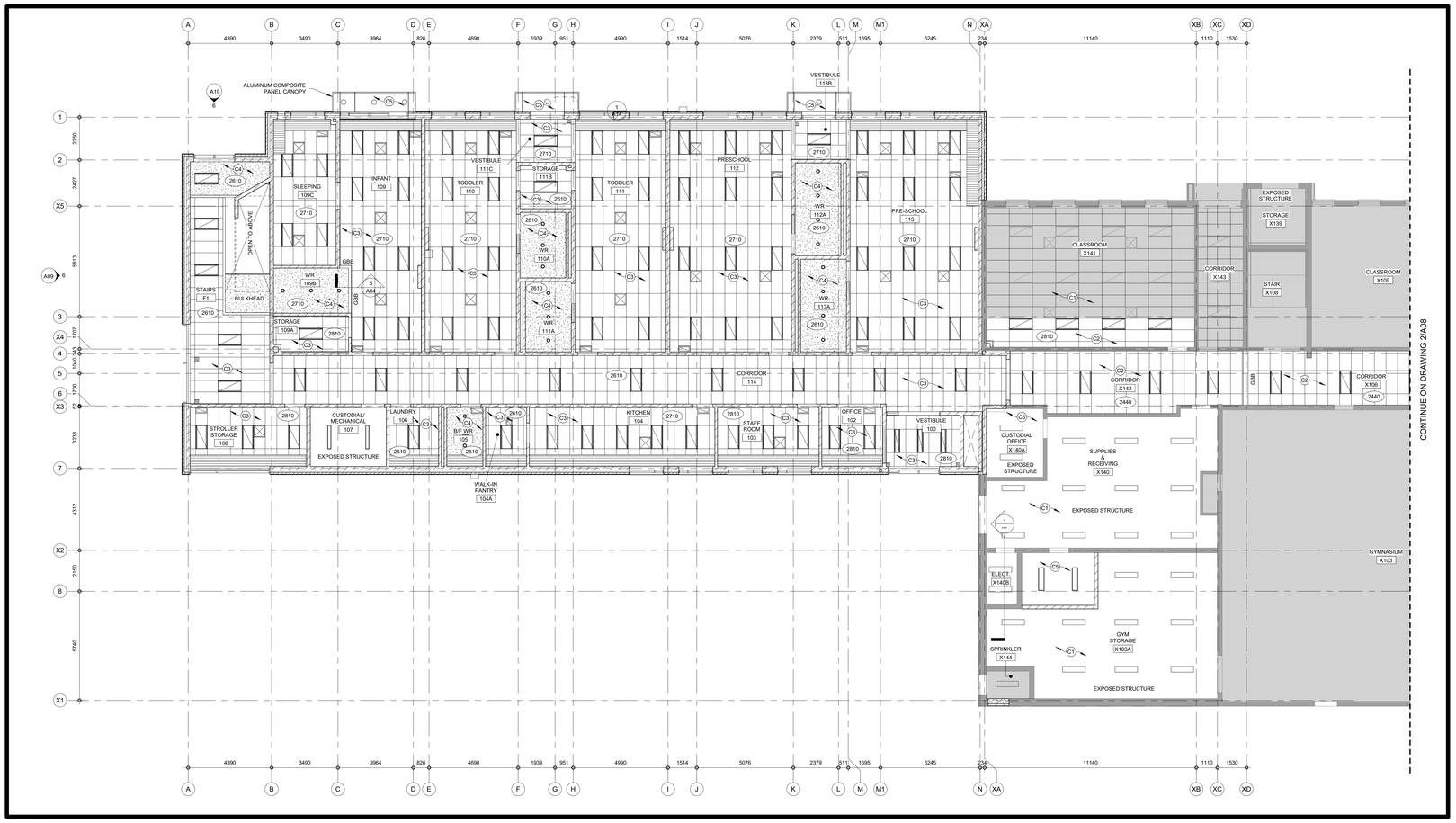


3 / A04 GROUND FLOOR KEY PLAN
SCALE: 1 : 500



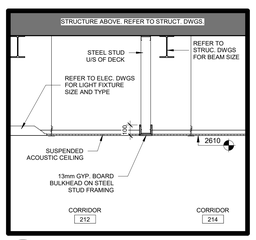
4 / A04 SECOND FLOOR KEY PLAN
SCALE: 1 : 500



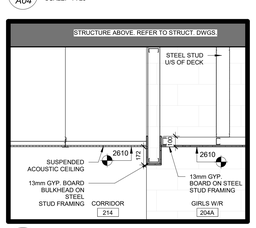
1 / A04 PROPOSED PARTIAL GROUND FLOOR RCP - ADDITION
SCALE: 1 : 100

CONSTRUCTION NOTES - REFLECTIVE CELING PLAN

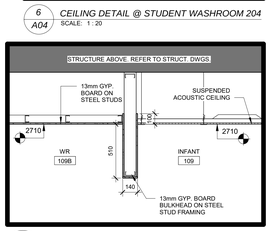
- C1 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED FOR RELOCATION AND NEW INSTALLATION OF MECHANICAL ITEMS.
- C2 REINSTALL STORED EXISTING CEILING TILES, GRID, LIGHTS & DEVICES AS REQUIRED FOR NEW BLOCK WALL. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. G.C. TO REPLACE ANY DAMAGED TILES.
- C3 PROPOSED GRID AND CEILING TILES. REFER TO MECH. & ELEC. DWGS. FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C4 PROPOSED 16mm GYPSUM BOARD ON STEEL STUD FRAMING CEILING. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURES, ELECTRICAL AND MECHANICAL DEVICES.
- C5 PROPOSED SOFFIT LIGHTS AT CANOPY, REFER TO ELECTRICAL DRAWINGS AND SPECS. TYP.



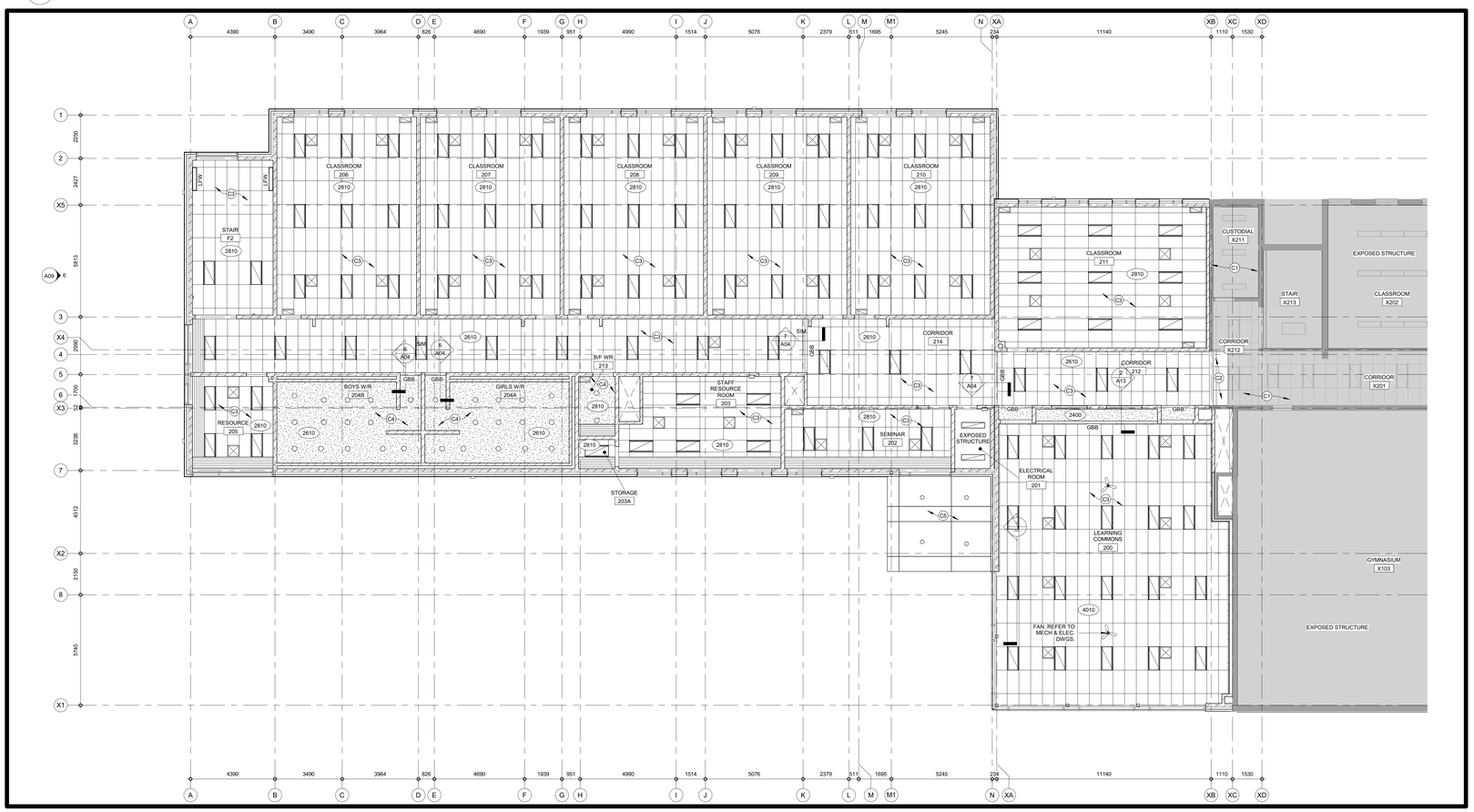
7 / A04 CEILING DETAIL @ CORRIDOR 212 & 214
SCALE: 1 : 20



6 / A04 CEILING DETAIL @ STUDENT WASHROOM 204
SCALE: 1 : 20



5 / A04 CEILING DETAIL @ WASHROOM 109B
SCALE: 1 : 20



2 / A04 PROPOSED PARTIAL SECOND FLOOR RCP - ADDITION
SCALE: 1 : 100

RCP LEGEND

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

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST VERIFY ALL DIMENSIONS, DESCRIPTIONS AND CONDITIONS OF 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
NOV. 19/25
PRISCILLA LADOUCEUR
LICENCE 6033

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

PROPOSED GROUND & SECOND FLOOR RCP - ADDITION

HOSSACK ARCHITECTURE
155 - 1939 IRONDAK WAY
BURLINGTON, ON L7P 0X9
(905) 513-0291 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A04
CHECKED: PL/JK	
PRINT DATE: 11/18/2025 4:17:52 PM	
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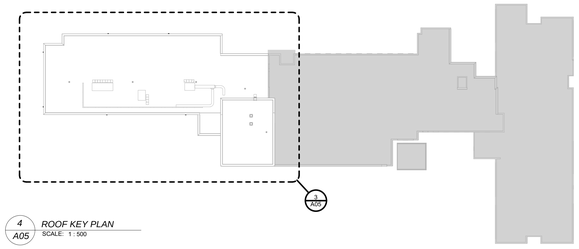


4 / A05 ROOF KEY PLAN
SCALE : 1 : 500

DEMOLITION NOTES - ROOF PLAN

- R1 EXISTING BUILT-UP ROOF ASSEMBLY TO BE DEMOLISHED TO EXTENT SHOWN, REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL. PATCH AND MAKE GOOD CONCRETE SLAB TO REMAIN FOR NEW FINISHES.
- R2 EXISTING METAL FLASHING, PARAPET AND VAPOUR BARRIER TO BE DEMOLISHED COMPLETELY FOR SECOND FLOOR ADDITION. REFER TO STRUC. MECH. AND ELEC. DWGS FOR ASSOCIATED REMOVAL. REFER TO PROPOSED DWGS FOR ADDITION TIE-IN.
- R3 EXISTING ROOF DRAINS TO BE REMOVED. REFER TO MECH. DWGS FOR ASSOCIATED REMOVAL. PATCH AND INFILL CORE SLAB TO MATCH EXISTING.
- R4 EXISTING ROOF EXHAUST TO BE RELOCATED. REFER TO MECH. DWGS FOR RELOCATION. PATCH AND INFILL CORE SLAB TO MATCH EXISTING.
- R5 EXISTING PREFINISHED METAL FLASHING TO BE CUT BACK FOR TIE-IN OF ADDITION. REFER TO PROPOSED PLANS AND WALL SECTIONS.
- R6 EXISTING ROOF ASSEMBLY TO BE CUT BACK AS REQUIRED MINIMUM 1 METRE FOR TIE-IN OF ADDTION. REFER TO PROPOSED PLANS AND WALL SECTIONS.
- R7 TERMINATE TOP OF EXISTING HIGHER BLOCK WALLS TO MATCH EXISTING ADJACENT BLOCK WALLS TO SUIT ADDITION. REFER TO PROPOSED PLANS AND WALL SECTIONS.
- R8 CAREFULLY REMOVE EXISTING METAL FLAHSING, INSULATION, BLOCKING, ETC. REFER PROPOSED DWGS AND SECTIONS.
- R9 EXISTING METAL FLASHING, WOOD AND PARAPET FRAMING TO BE DEMOLISHED COMPLETELY FOR SECOND FLOOR ADDITION. REFER TO STRUC. MECH. AND ELEC. DWGS FOR ASSOCIATED REMOVAL. REFER TO PROPOSED DWGS FOR ADDITION TIE-IN.
- R10 PROTECT EXISTING ROOF HATCH TO REMAIN.

DEMOLITION NOTES

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

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

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

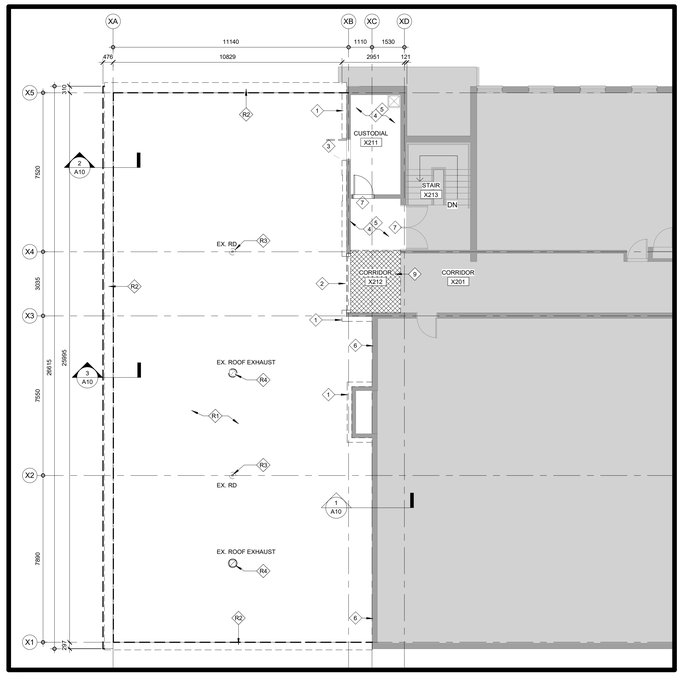
GENERAL CONTRACTOR TO X-RAY ALL EXISTING CONCRETE FLOOR SLABS AS REQUIRED PRIOR TO ANY DEMOLITION. IF EXISTING WIRES, CONDUT, ETC. ARE CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL DEVICES. SEE SPEC.

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

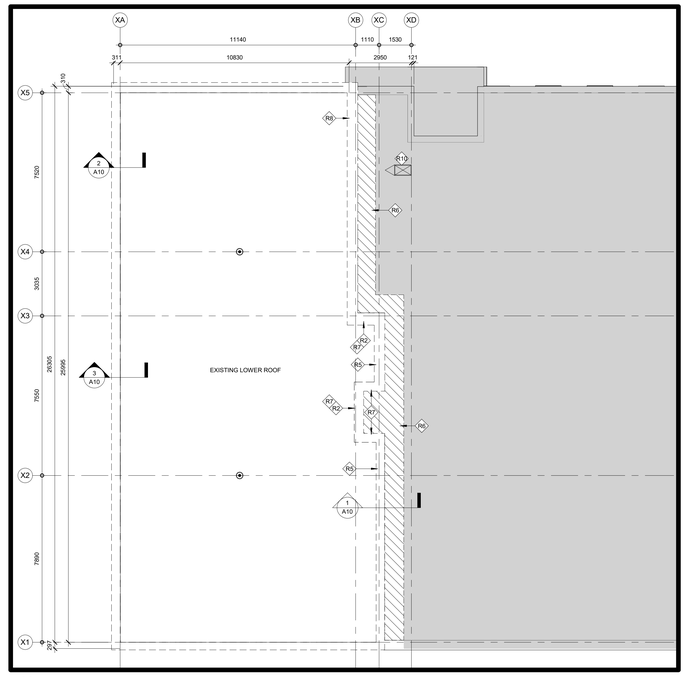
ALL NOTED DIMENSIONS TO EXISITING WALL ASSEMBLIES ARE +/- AND MAY VARY. CONTRACTOR TO FIELD VERIFY AS REQUIRED.

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

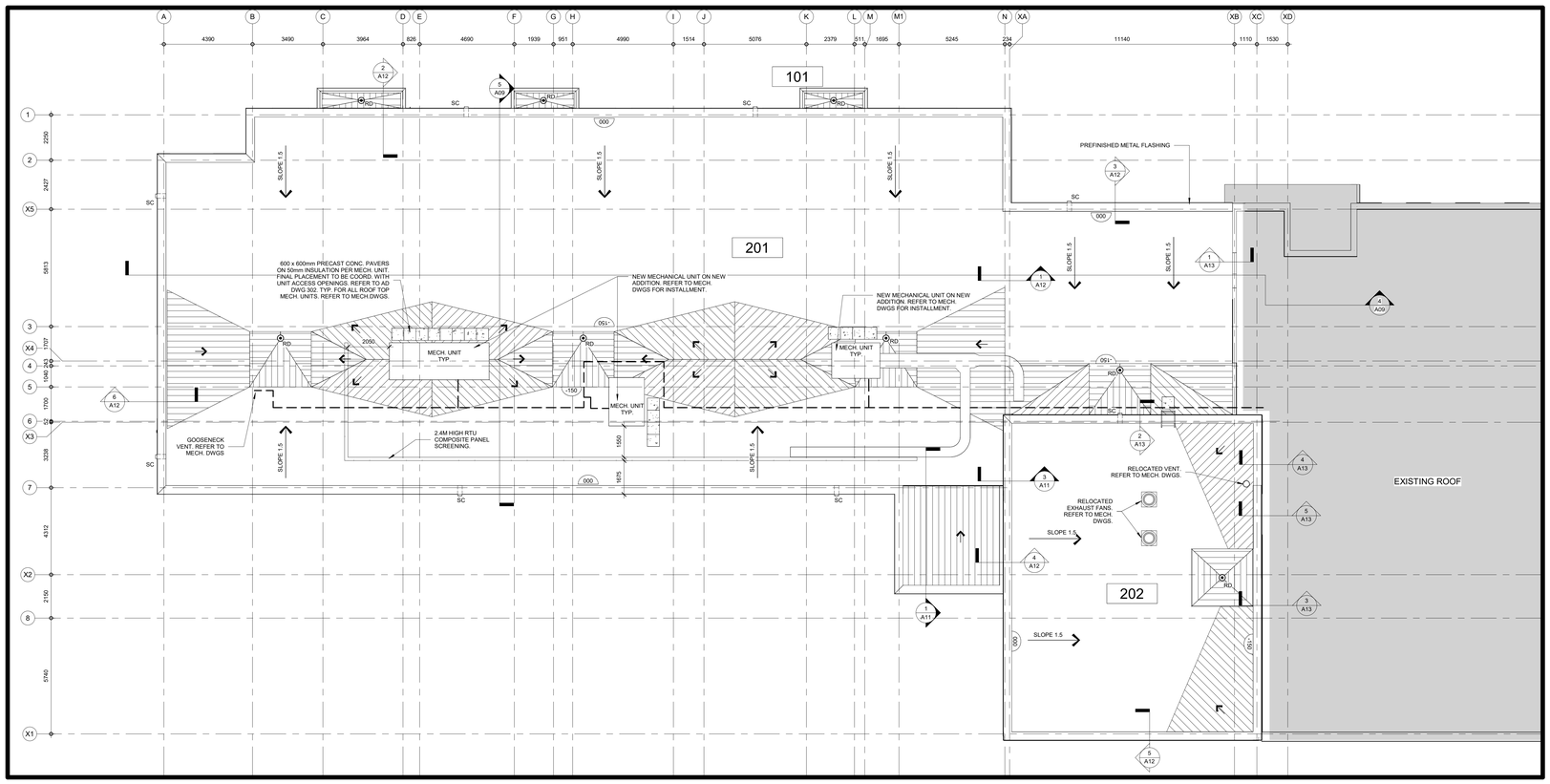
1. CAREFULLY REMOVE EXTERIOR BRICK AND INSULATION, EXPOSING 136 CONC TO EXTENT SHOWN. BLOCK, PATCH AND MAKE GOOD CONC. BLOCK TO REMAIN AND TIE IN TO ADDITION. REFER TO PROPOSED PLANS AND SECTIONS. REFER TO STRUCTURAL DWGS FOR TIE IN.
2. REMOVE WINDOW ASSEMBLY ENTIRELY. PATCH AND MAKE GOOD WALL TO REMAIN AS REQUIRED FOR NEW DOOR ASSEMBLY. REFER TO PROPOSED DWGS. REFER TO DOOR SCHEDULE FOR SIZE. REFER TO AD FOR JAMB DETAIL.
3. REMOVE EXISTING EXTERIOR DOOR ASSEMBLY INCLUDING FRAME. PATCH AND MAKE GOOD EXISTING WALL TO REMAIN AS REQUIRED FOR NEW WALL INFILL WHERE APPLICABLE. REFER TO PROPOSED DWGS.
4. CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN IN AREA OF WORK. PATCH AND REPAIR AS REQUIRED IF DAMAGED DURING CONSTRUCTION.
5. CONTRACTOR TO PROTECT EXISTING WALLS TO REMAIN, IN AREA OF WORK. PREPARE FOR NEW PAINT FINISH.
6. EXISTING BRICK VENEER WALL TO REMAIN. EXISTING VENEER TO BE CLEANED WITH CLEANING AGENT. REFER TO SPEC.
7. REMOVE PAINT FROM EXISTING DOOR. SAND AND PREP DOOR FOR NEW FINISH.
8. DEMOLISH BLOCK WALL FROM AFF TO HEIGHT OF DOOR TO BE DEMOLISHED TO EXTENT SHOWN. PATCH AND MAKE GOOD WALLS TO REMAIN AS REQUIRED. REFER TO STRUC. DWGS FOR LINTEL SIZE.
9. DEMOLISH EXISTING TERRAZZO FLOORING AND/OR COVE BASE TO THE NEAREST JOINT DOWN TO CONCRETE SLAB. PREPARE SLAB FOR NEW FLOOR FINISH. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE. REFER TO PROPOSED DWGS. FOR FLOOR TIE-IN.



2 / A05 PARTIAL DEMOLITION PLAN AT LOW ROOF AND SECOND FLOOR
SCALE : 1 : 100



1 / A05 PARTIAL DEMOLITION GYM ROOF PLAN
SCALE : 1 : 100



3 / A05 ENLARGED PROPOSED ROOF PLAN AT ADDITION
SCALE : 1 : 100

ROOF PLAN LEGEND

- INSULATION SUMP TAPERED TO DRAIN. REFER TO SPECIFICATIONS FOR MATERIALS.
- TAPERED FIBER BOARD TO DRAIN
- RD ROOF DRAIN
- DIRECTION OF SLOPE
- 101 ROOF LEVEL INDICATOR
- SC Scupper 220mm L x 100mm H. REFER TO DETAIL AD 451
- ROOF CURB
- 000 ROOF SLOPE INDICATOR (mm)

NOTES:

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

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

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

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

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

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

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL. TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL. TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
8053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

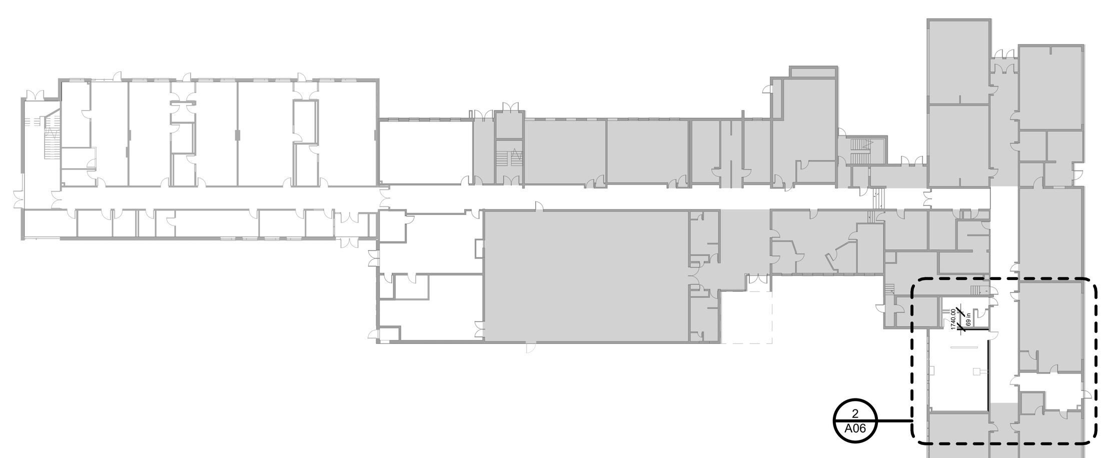
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT,
HAMILTON, ON L8A 0B9

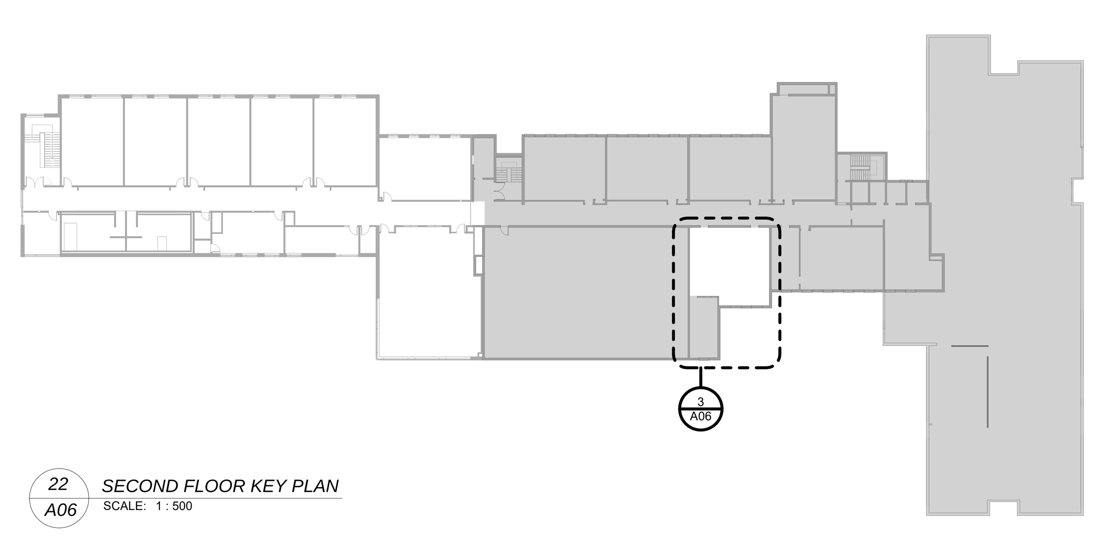
DEMOLITION ROOF & SECOND FLOOR PLAN AND PROPOSED ROOF PLAN - ADDITION

HOSSACK ARCHITECTURE
159 - 1938 IRONOAK WAY
OAKVILLE ON L6H 3V6
(905) 815-0144 admin@hossackarch.com

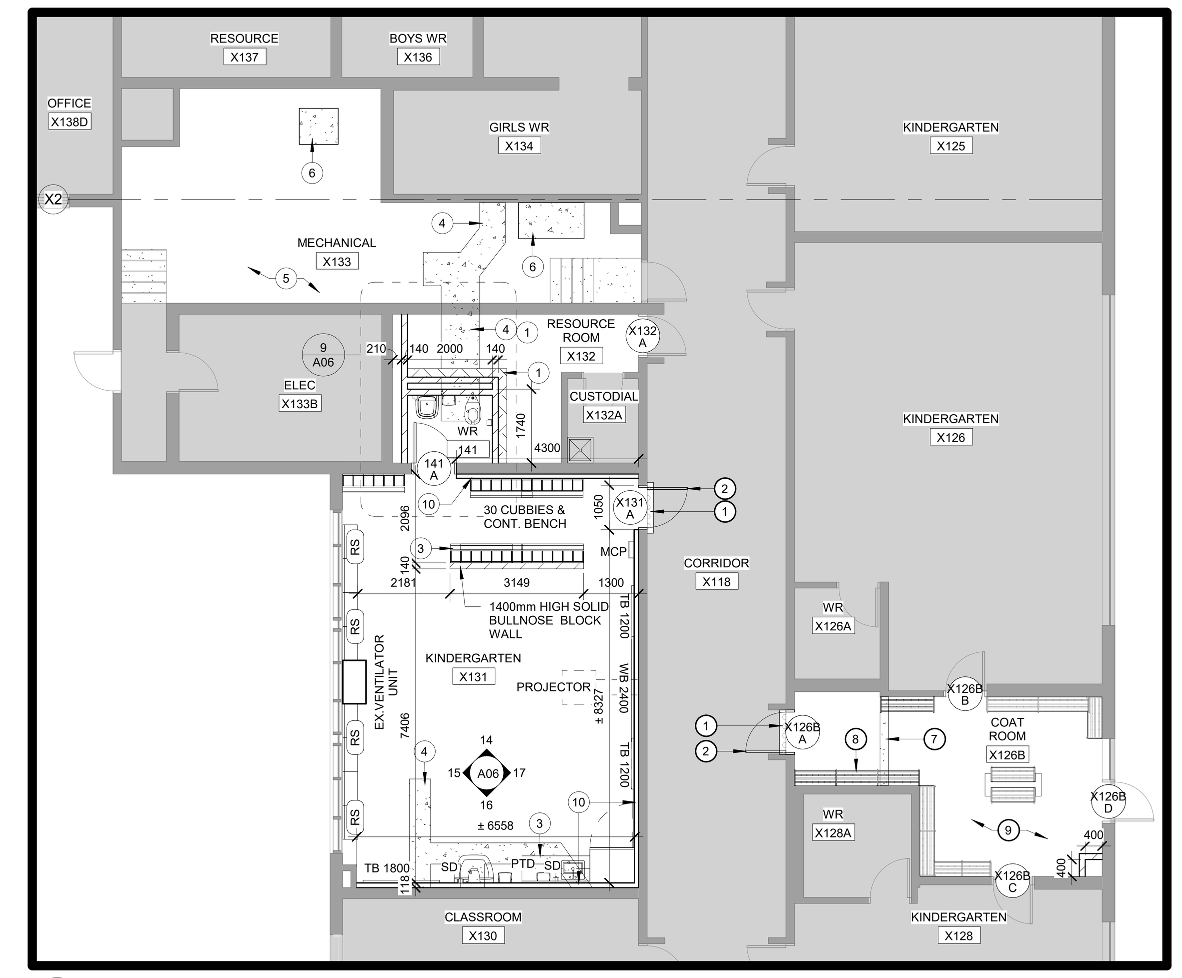
SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A05
CHECKED: PL/JK	
PRINT DATE	11/18/2025 3:05:53 PM
REVIT FILE	1^2024\24113\02\Revit.RVT



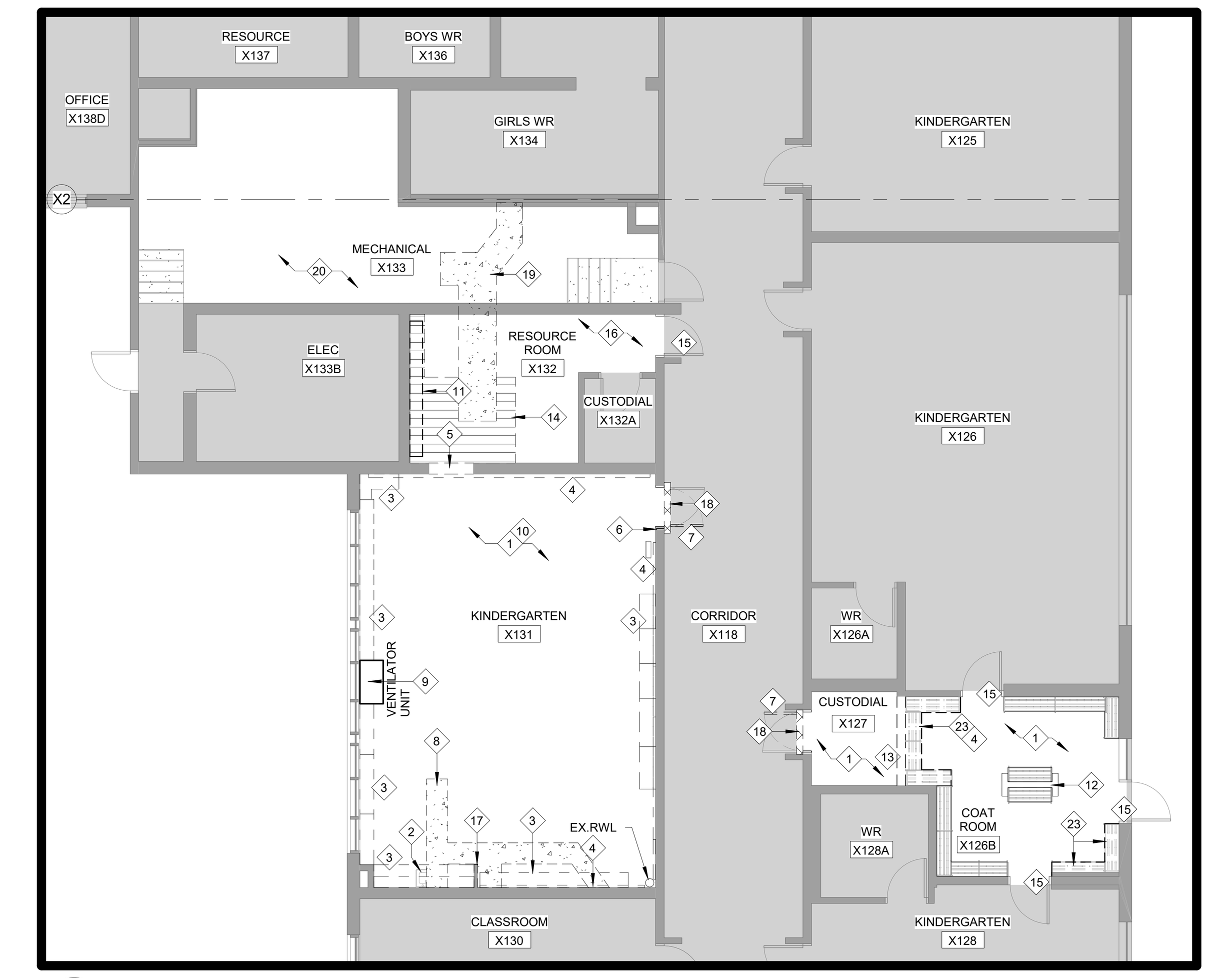
21 GROUND FLOOR KEY PLAN
A06 SCALE: 1 : 500



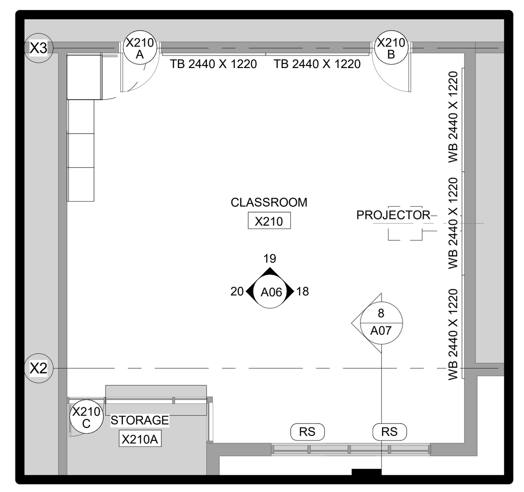
22 SECOND FLOOR KEY PLAN
A06 SCALE: 1 : 500



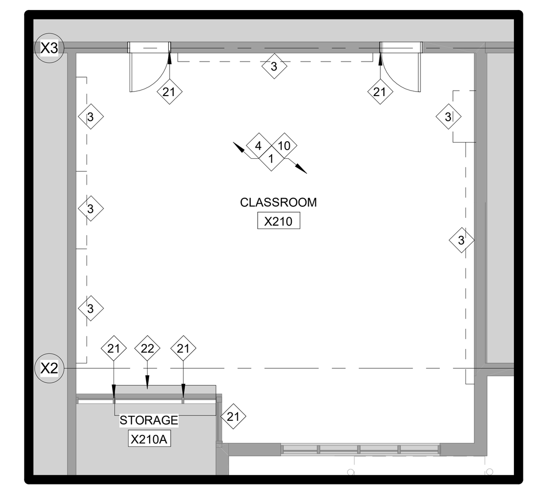
2 PARTIAL PROPOSED GROUND FLOOR PLAN AT CLASSROOM X131
A06 SCALE: 1 : 100



1 PARTIAL DEMOLITION PLAN AT CLASSROOM X131
A06 SCALE: 1 : 100



3 PARTIAL PROPOSED PLAN AT LIBRARY
A06 SCALE: 1 : 100



4 PARTIAL DEMOLITION PLAN AT LIBRARY
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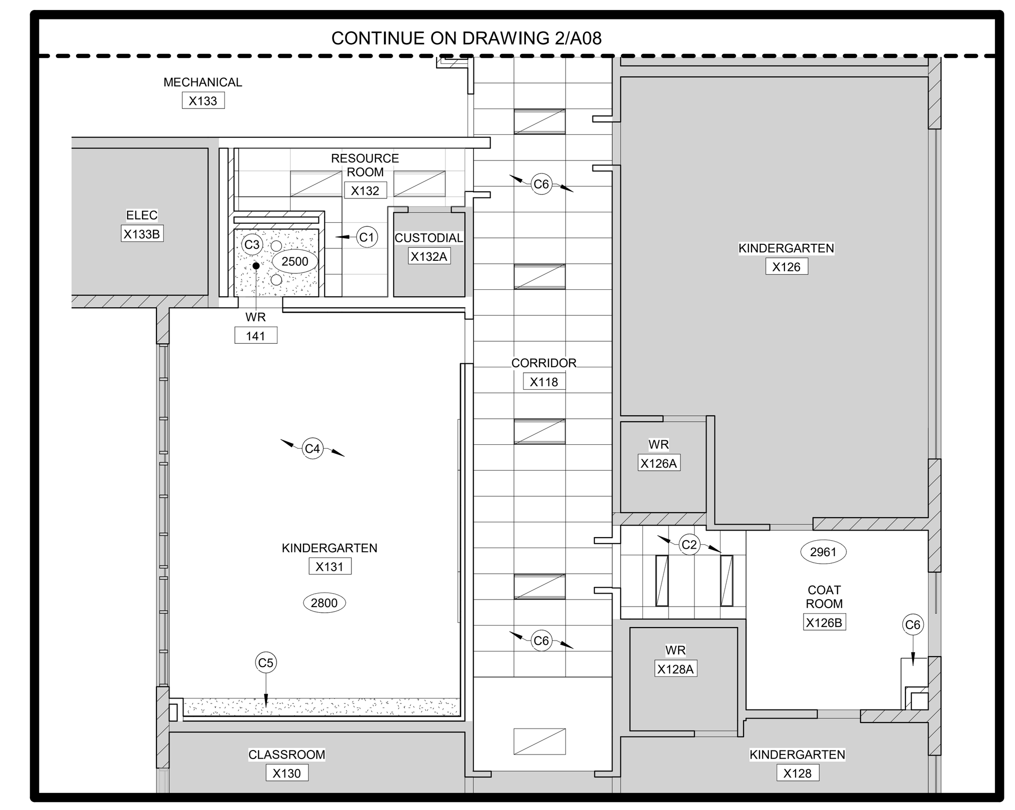
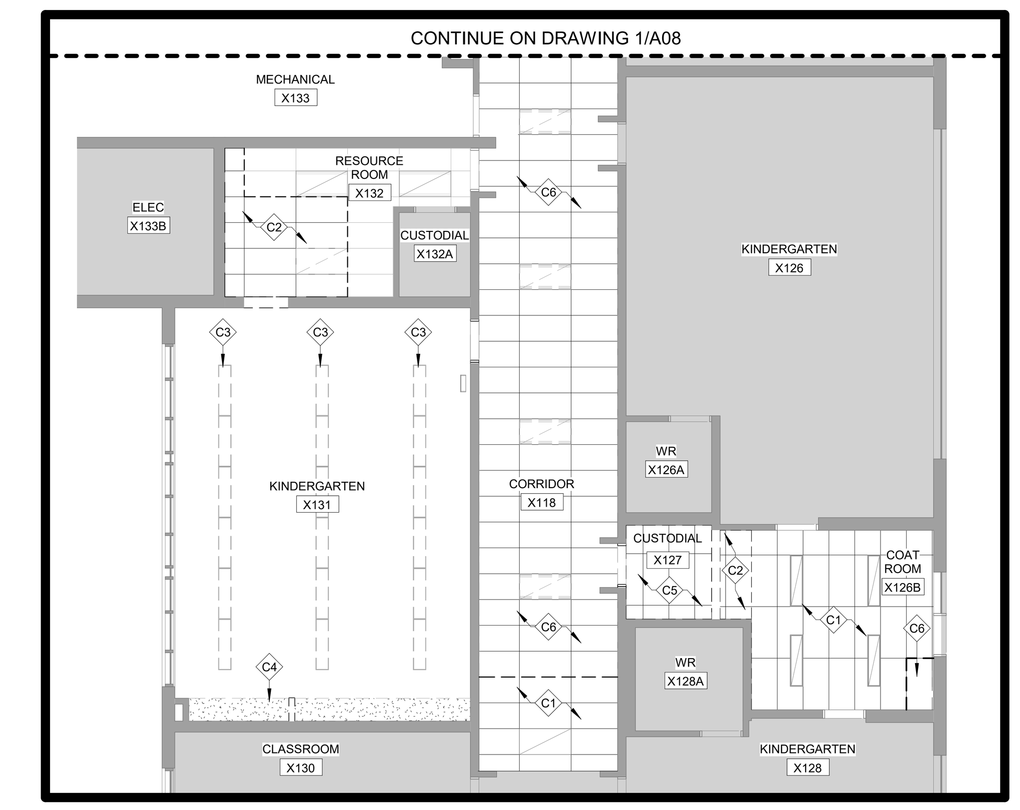
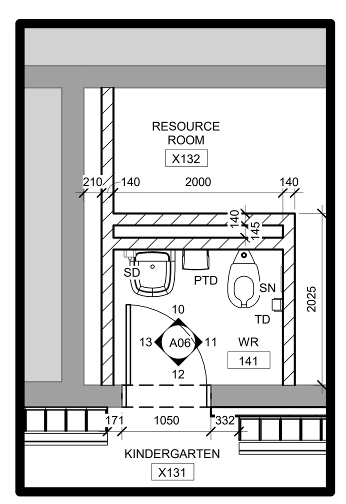


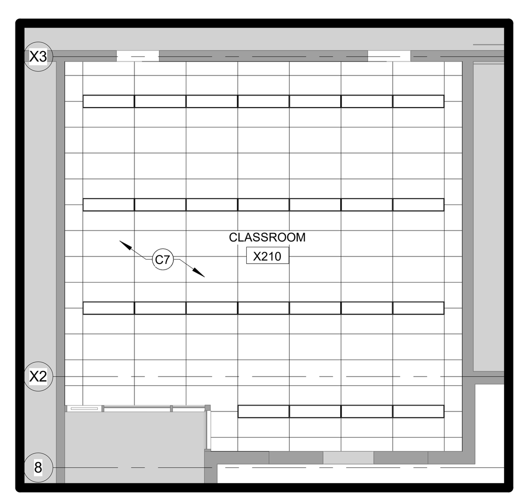
5 PARTIAL PROPOSED RCP AT CLASSROOM X131
A06 SCALE: 1 : 100



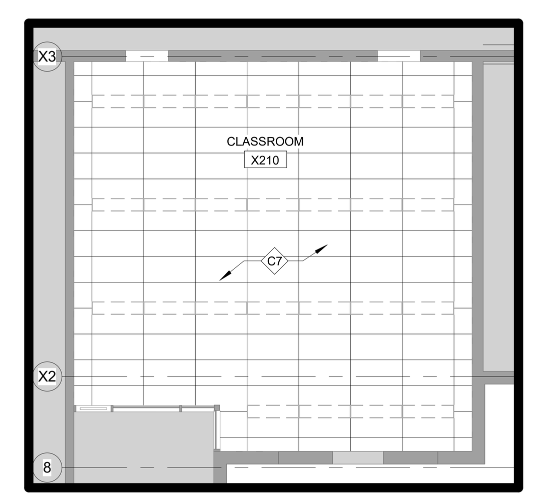
6 PARTIAL DEMOLITION RCP AT CLASSROOM X131
A06 SCALE: 1 : 100



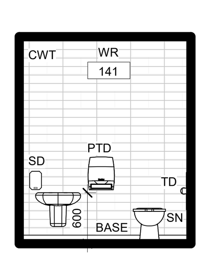
9 ENLARGED KINDERGARTEN WASHROOM
A06 SCALE: 1 : 50



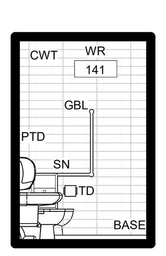
8 PARTIAL PROPOSED RCP AT CLASSROOM
A06 SCALE: 1 : 100



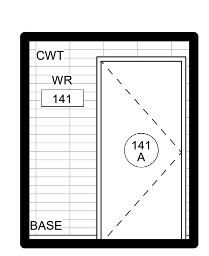
7 PARTIAL DEMOLITION RCP AT CLASSROOM
A06 SCALE: 1 : 100



10 KINDERGARTEN WR - A
A06 SCALE: 1 : 50



11 KINDERGARTEN WR - B
A06 SCALE: 1 : 50



12 KINDERGARTEN WR - C
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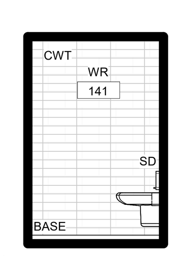

13 KINDERGARTEN WR -D
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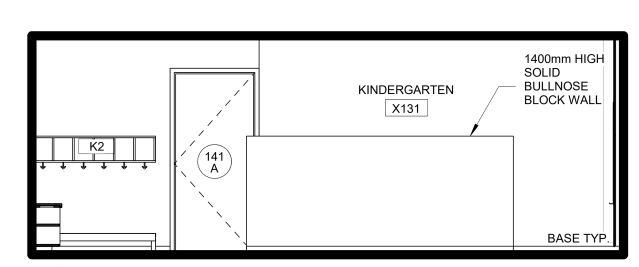
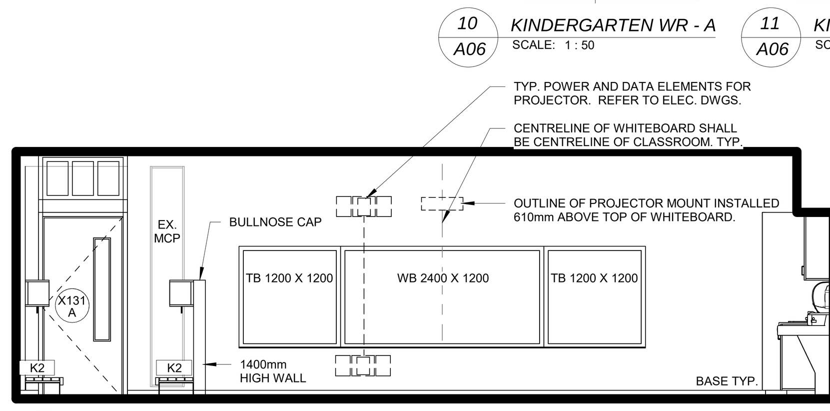


14 KINDERGARTEN - A
A06 SCALE: 1 : 50



17 KINDERGARTEN - D
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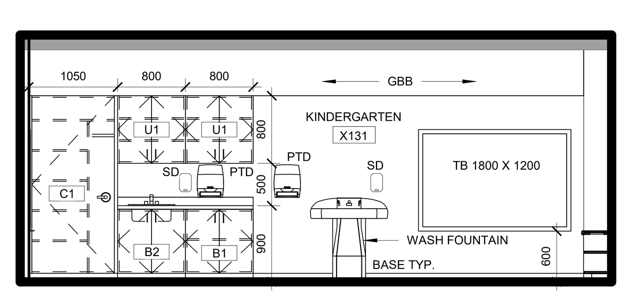

16 KINDERGARTEN - C
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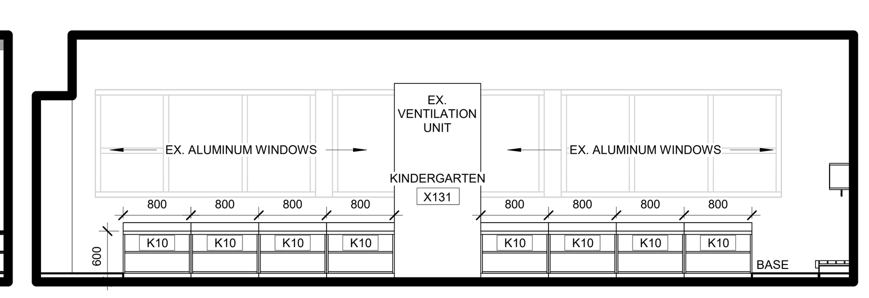
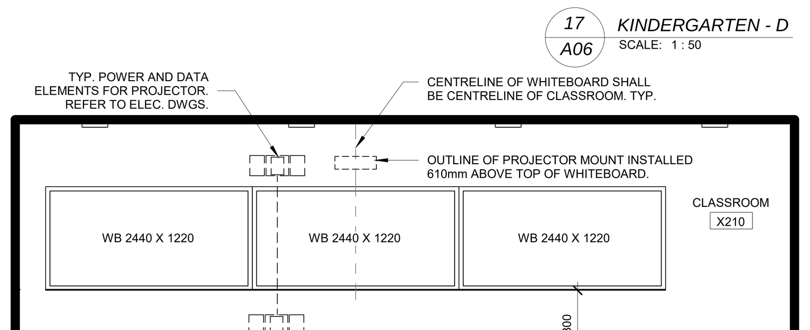
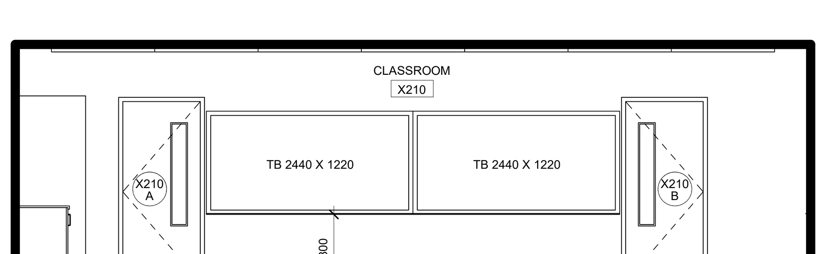


15 KINDERGARTEN - B
A06 SCALE: 1 : 50



18 CLASSROOM X210 - A
A06 SCALE: 1 : 50



19 CLASSROOM X210 - B
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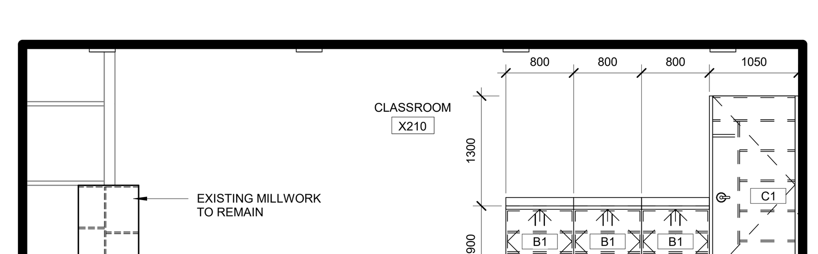

20 CLASSROOM X210 - C
A06 SCALE: 1 : 50

DEMOLITION NOTES - REFLECTIVE CEILING PLANS

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

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

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

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

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

- C1 EXISTING CEILING TO REMAIN.
- C2 CAREFULLY REMOVE PORTION OF EXISTING ACOUSTIC CEILING TILES, GRIDS, ETC. TO EXTENT SHOWN AS REQUIRED FOR NEW CEILING. PATCH AND MAKE GOOD WALLS TO REMAIN FOR NEW CEILING. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED REMOVAL.
- C3 REMOVE AND DEMOLISH EXISTING LIGHT FIXTURES IN ENTIRE ROOM. PATCH AND MAKE GOOD CEILING. REFER TO MECH. AND ELEC. DWGS. REFER TO ROOM FINISH SCHEDULE FOR NEW CEILING.
- C4 REMOVE BULKHEAD INCLUDING FRAMING MEMBERS COMPLETELY. REFER TO PROPOSED DWGS FOR NEW BULKHEAD.
- C5 REMOVE CEILING AND LIGHT FIXTURES AS REQUIRED. PATCH AND MAKE GOOD ADJACENT WALLS FOR CEILING TIE-IN. REFER TO MECH. AND ELEC. DWGS FOR ASSOCIATED REMOVAL. REFER TO PROPOSED DWGS FOR CEILING TIE-IN.
- C6 CAREFULLY REMOVE EXISTING CEILING TILES, GRIDS, LIGHTS, ETC. TO EXTENT SHOWN AS REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. SAFELY STORE ON SITE FOR RE-INSTALLATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. G.C. TO REPLACE ANY DAMAGED TILES.
- C7 CAREFULLY REMOVE ALL EXISTING ACOUSTIC CEILING TILES, GRIDS DIFFUSERS, LIGHTS, RETURNS, ETC. AS REQUIRED FOR NEW CEILING. SAFELY STORE EXISTING LIGHTING, DIFFUSERS, RETURNS, ETC. ON SITE FOR RE-INSTALLATION. REFER TO MECH. & ELEC. DWGS. G.C. TO REPLACE ANY DAMAGED LIGHTS.

CONSTRUCTION NOTES - REFLECTIVE CEILING PLAN

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

CONSTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

- C1 EXISTING CEILING TILES, GRID, LIGHTS & DEVICES TO BE CAREFULLY REMOVED AND REINSTALLED AS REQUIRED FOR NEW BLOCK WALL.
- C2 CAREFULLY TIE-IN NEW CEILING TILES, GRIDS AND LIGHTS TO EXISTING CEILING TILES & GRIDS. REFER TO MECH. AND ELEC. DRAWINGS FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C3 PROPOSED NEW 16mm GYPSUM BOARD ON STEEL STUD FRAMING CEILING. REFER TO MECH. AND ELEC. DRAWINGS FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C4 PROPOSED GRID AND CEILING TILES. REFER TO MECH. & ELEC. DWGS. FOR LIGHT FIXTURES, ELEC. AND MECH. DEVICES.
- C5 NEW 13mm GYPSUM BOARD ON STEEL STUD FRAMING BULKHEAD, TO BE AS HIGH AS POSSIBLE. REFER TO PROPOSED DWGS.
- C6 EXISTING CEILING TILES AND LIGHTS TO BE REMOVED AND REINSTALLED AS REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. REFER TO MECH. AND ELEC. DWGS.
- C7 EXISTING LIGHTS, DIFFUSERS, RETURNS, ETC. TO BE CAREFULLY RE-INSTALLED AS REQUIRED FOR NEW ACOUSTIC CEILING TILES AND GRID.

CONSTRUCTION NOTES

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

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

1. NEW VCT FLOORING AND NEW COVE BASE TO MATCH EXISTING AS REQUIRED. REFER TO FLOOR FINISH PLAN AND SCHEDULE.
2. NEW DOOR, FRAME & LINTEL IN EXISTING WALL, REFER TO STRUCT. FOR LINTEL SIZE AND DOOR SCHEDULE.
3. NEW MILLWORK LOWER & UPPER CABINETS. REFER TO TYPICAL DETAILS. CONTRACTOR TO CONFIRM DIMENSIONS AND LOCATION OF EXISTING PLUMBING CONNECTION ON SITE. PROVIDE NEW SILICONE JOINT BETWEEN COUNTERTOP AND BLOCK WALL. INSTALL NEW RUBBER BASE AT ALL LOWER CABINETS. REFER TO MECH. DRAWINGS FOR PLUMBING FIXTURES AND CONNECTIONS. REFER TO INTERIOR ELEVATIONS AND SPEC. FOR MILLWORK.
4. NEW REINFORCED CONCRETE SLAB & COMPACTED SUB-BASE INFILL AND FLOOR FINISH. REFER TO ROOM FINISH SCHEDULE FOR FLOOR FINISH.
5. MECHANICAL WORK IN MECHANICAL ROOM X133. REFER TO MECH. AND ELEC. DWGS. AS REQUIRED FOR ASSOCIATED INSTALLATION.
6. NEW HOUSE KEEPING PAD. REFER TO MECH. DWGS
7. PATCH AND INFILL CONCRETE FLOOR TO SATISFACTION OF FLOOR TRADES TO EXCEPT NEW FLOOR FINISH. REFER TO ROOM SECLUDE.
8. NEW COAT RACK AND BENCH. REFER TO BENCH AD.
9. PAINT ENTIRE ROOM. REFER TO ROOM FINISHES AND INTERIOR FINISHES AS REQUIRED.
10. 16mm ABUSE RESISTANCE GYPSUM ON 92mm STEEL STUDD AGAINST EXISTING BLOCK WALL. WALL TO CONTINUE FROM SLAB TO 100MM ABOVE FINISHED CEILING HEIGHT. ALL CONDUIT TO BE RUN WITH NEW STUD WALL. REFER TO ELECTRICAL.

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

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

DEMOLITION NOTES

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

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

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

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

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

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

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

1. REMOVE EXISTING FLOORING (INCLUDING CARPET, VINYL AND PORCELAIN / CERAMIC TILE), BASE, AND ANY UNDER PAD/NAILING STRIPS. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO SATISFACTION OF FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.
2. CONTRACTOR TO DISCONNECT EXISTING SINK (DISCONNECT ALL PLUMBING AS REQUIRED). REMOVE ACCESSORIES INCLUDING PAPER TOILET DISPENSER, SOAP DISPENSER. PATCH AND MAKE GOOD FLOOR AND WALL TO REMAIN AS REQUIRED FOR NEW FINISHES.
3. REMOVE ALL EXISTING MILLWORK INCLUDING BUT NOT LIMITED TO UPPER AND LOWER CABINET , BOOKSHELVES, MISC. ITEMS ETC. IN ENTIRE ROOM. PATCH AND MAKE GOOD WALLS AND FLOORS TO REMAIN TO ACCEPT NEW FINISHES. REFER TO ROOM FINISH SCHEDULE.
4. CAREFULLY REMOVE EXISTING WALL MOUNTED FIXTURES AND FITMENTS LISTED BUT LIMITED TO: TACKBOARDS, WHITE BOARDS, BRACKETS/FASTENERS, ROOM SIGNAGE, SHELVES, WALL MOUNTED ORGANIZERS THROUGHOUT ROOM WHERE APPLICABLE. COMPLETELY REMOVE ALL BASE AND MISC HOOKS ON WALL UNLESS OTHERWISE NOTED. PATCH AND MAKE GOOD WALLS AS REQUIRED. GRIND SMOOTH WALL AND PATCH WHERE ADHESIVE REMAINS FROM REMOVAL, TO ACCEPT NEW FINISH TO SATISFACTION OF SUBTRADE.
5. SAWCUT OPENING IN EXISTING BLOCK WALL (INCLUDING GYPSUM BOARD) FOR NEW DOOR ASSEMBLY. LOCATION OF SAWCUT PER DIMENSIONS IN PROPOSAL DWGS. REFER TO STRUC. DWGS. FOR REQUIRED LINTEL. REMOVE ALTERNATE COURSES OF BLOCK AT OPENING FOR TOOTHING BACK IN. REFER TO SCHEDULES FOR SIZE OF OPENING. REFER TO AD DRAWINGS FOR JAMB DETAIL.
6. SAWCUT EXISTING BLOCK WALL TO EXTENT SHOWN FOR NEW DOOR ASSEMBLY. LOCATION OF SAWCUTS PER DIMENSIONS IN PROPOSAL DWGS. REFER TO STRUCT. DWGS FOR REQUIRED LINTEL. REFER TO SCHEDULE FOR SIZE OF OPENING. REFER TO AD DWGS FOR DOOR JAMB DETAIL. PATCH AND MAKE GOOD WALLS AND FLOORS AS REQUIRED FOR NEW FINISHES.
7. CONTRACTOR TO REMOVE EXISTING HOLLOW METAL FRAME AND DOOR ASSEMBLY IN ITS ENTIRETY, FOR LARGER DOOR AND FRAME. REF. TO DOOR SCHEDULE. AND STRUCTURAL FOR LINTEL SIZE.
8. REMOVE EXISTING FLOORING (INCLUDING CARPET, VINYL AND PORCELAIN TILE), BASE AND ANY UNDER PAD/NAILING STRIPS. SAWCUT REINFORCED CONCRETE SLAB INCLUDING SUB-BASE AS REQUIRED FOR NEW PLUMBING LINE & CONNECTIONS, COORDINATE EXACT SLAB REMOVAL LOCATIONS WITH NEW PLUMBING LINE/CONNECTIONS WITH MECH. SERVICES AND DWGS. PREPARE SURFACE FOR NEW FINISHES. REFER TO ROOM FINISH SCHEDULE.
9. CONTRACTOR TO PROTECT FROM DUST AND CONSTRUCTION, EXISTING VENTILATOR UNIT TO REMAIN, IN AREA OF WORK.
10. CONTRACTOR TO GRIND WALLS OF LOOSE PAINT (WHERE REQUIRED) TO ACCEPT NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
11. REMOVE EXISTING RADIATOR. REFER TO MECH. AND ELEC. DWGS FOR ASSOCIATED REMOVAL.
12. EXISTING HALF BLOCK WALL WITH BENCHES AND COAT HOOKS TO REMAIN. CONTRACTOR TO KEEP PROTECTED DURING CONSTRUCTION.
13. REMOVE EXISTING WALL AND BASE FROM FINISHED FLOOR TO TOP OF WALL TO EXTENT SHOWN. PATCH AND MAKE GOOD FLOOR AS REQUIRED FOR NEW FINISHES. PATCH AND PARGE SMOOTH ADJACENT WALLS TO REMAIN FOR NEW PAINT FINISH.
14. CAREFULLY, REMOVE EXISTING VCT FLOORING AND BASE WHERE APPLICABLE, TO EXTENT SHOWN. PATCH AND MAKE GOOD EXISTING CONCRETE SLAB SURFACE TO ACCEPT NEW BLOCK WALL
15. GRIND LOOSE PAINT OFF FROM DOOR AND FRAME. SAND AND PREP FOR NEW PAINT FINISH.
16. CONTRACTOR TO PROTECT EXISTING FLOORING TO REMAIN, IN AREA OF WORK.
17. REMOVE GYPSUM WALL COMPLETELY, FROM FINISH FLOOR TO TOP OF WALL.
18. CAREFULLY CUT TERRAZZO FLOOR AND COVER BASE WHERE APPLICABLE, TO THE NEATEST JOINT REMOVE DOWN TO CONCRETE SLAB. PREPARE SLAB FOR NEW TERRAZZO PATCH AND/OR INFILL. REFER TO PROPOSED FLOOR PLAN.
19. SAWCUT AND REMOVE EXISTING CONCRETE FLOOR AND REINFORCED CONCRETE SLAB INCLUDING SUB-BASE AS REQUIRED FOR NEW PLUMBING LINE & CONNECTIONS. COORDINATE EXACT SLAB REMOVAL LOCATIONS WITH NEW PLUMBING LINE/CONNECTIONS WITH MECH. SERVICES AND DWGS. PREPARE SURFACE FOR NEW FINISHES. REFER TO ROOM SCHEDULE.
20. MECHANICAL WORK IN MECHANICAL ROOM X133. REFER TO MECH. AND ELEC. DWGS. AS REQUIRED.
21. GRIND LOOSE PAINT OFF DOOR FRAME (INCLUDE SCREEN FRAME WHERE APPLICABLE). PATCH AND SAND FRAME FOR NEW PAINT. REFER TO SCHEDULES AND INTERIOR FINISHES.
22. CONTRACTOR TO PROTECT EXISTING MILLWORK TO REMAIN, IN AREA OF WORK.
23. EXISTING WALL MOUNTED COAT RACK & WOOD BENCH TO BE REMOVED, COAT RACKED TO BE HANDED OVER TO OWNER. PATCH AND MAKE GOOD EXISTING WALL FOR NEW PAINT.

RCP LEGEND

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

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION
9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9

DEMO. & PROP. FLOOR PLANS AND RCP IN AREA OF RENOVATIONS

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

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
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CHECKED: PL/JK	
PRINT DATE	11/18/2025 4:46:59 PM
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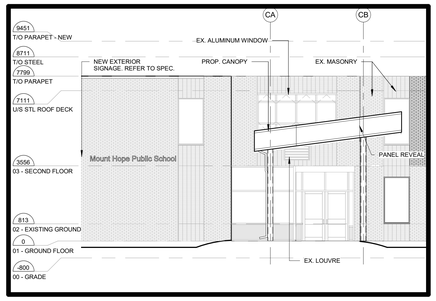
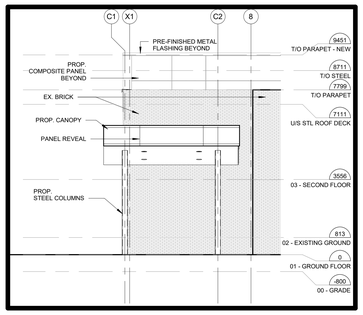
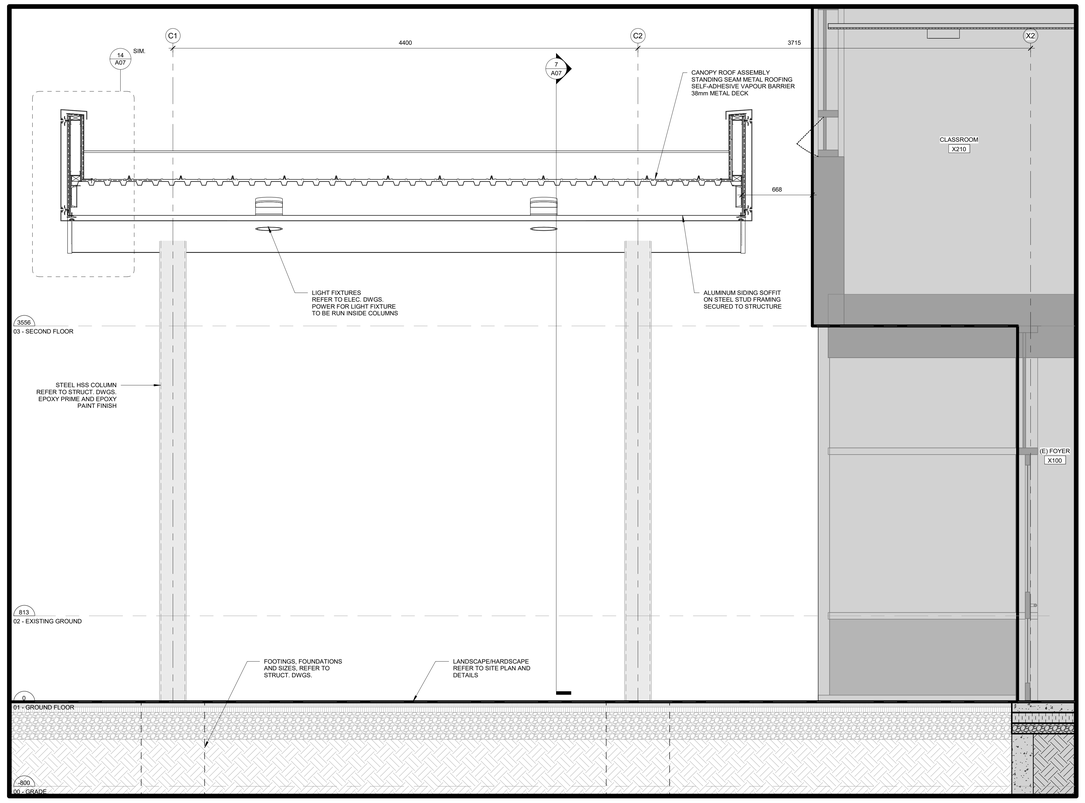


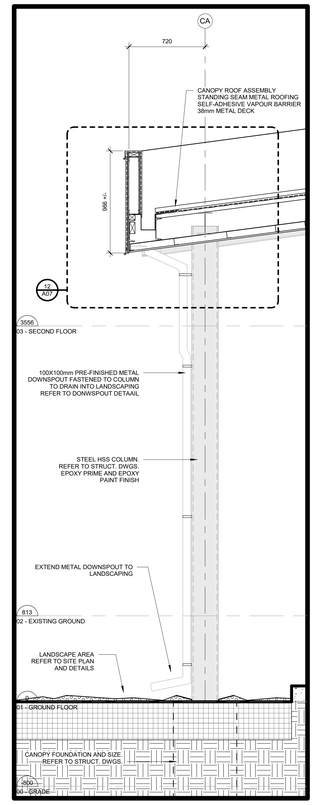
9 A07 PARTIAL EAST ELEVATION AT EXTERIOR CANOPY
SCALE: 1 : 100

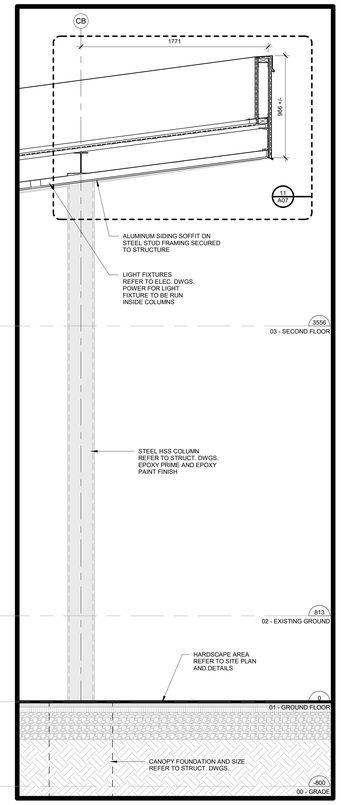


10 A07 PARTIAL NORTH ELEVATION AT EXTERIOR CANOPY
SCALE: 1 : 100



8 A07 WALL SECTION @ NEW EXTERIOR CANOPY A
SCALE: 1 : 20





7 A07 WALL SECTION @ NEW EXTERIOR CANOPY B
SCALE: 1 : 20

DEMOLITION NOTES

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

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

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

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

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

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

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

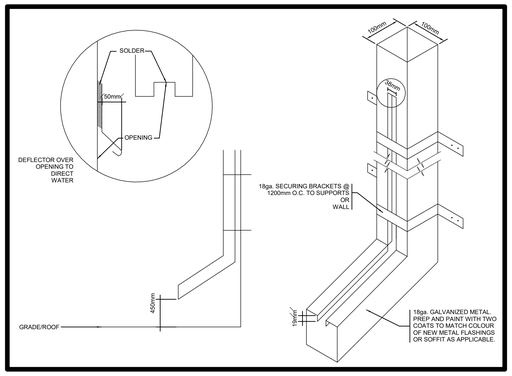
1 DEMOLISH EXISTING CANOPY, INCLUDING ALL STRUCTURAL SUPPORTS AND FOUNDATION IN THEIR ENTIRETY. REFER TO SITE PLAN FOR ADJACENT SITE MATERIAL INFILL.

CONSTRUCTION NOTES

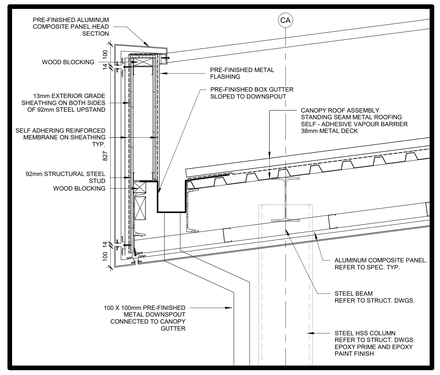
DRAWINGS TO READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

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

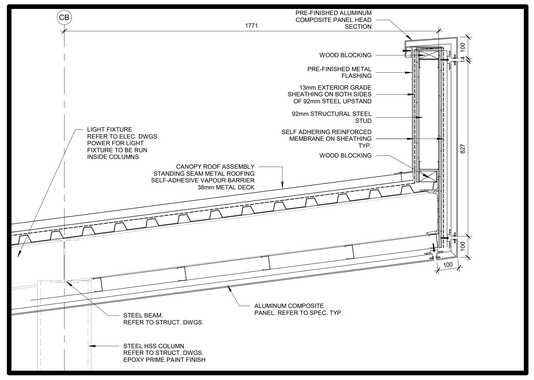
1 PROPOSED CANOPY STRUCTURE. REFER TO STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS AND SPEC. REFER TO SITE PLAN AS REQUIRED.



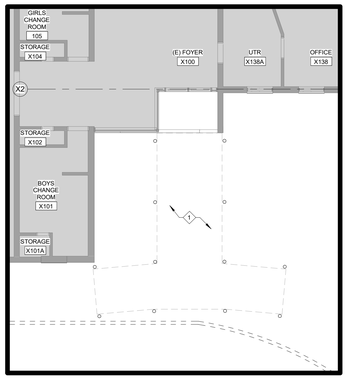
13 A07 DOWNSPOUT DETAIL
SCALE: N.T.S.



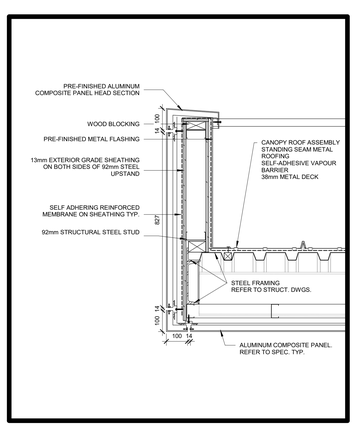
12 A07 SECTION DETAIL @ CANOPY LOW SIDE
SCALE: 1 : 10



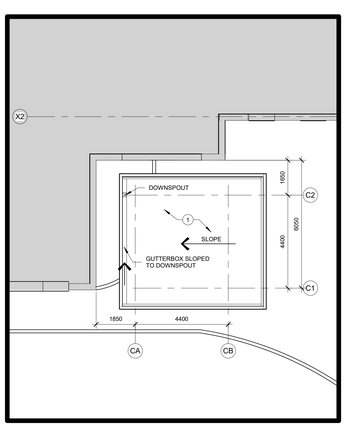
11 A07 SECTION DETAIL @ CANOPY
SCALE: 1 : 10



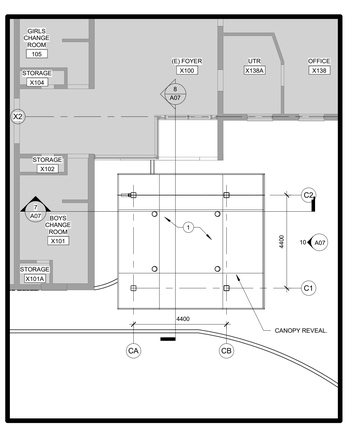
5 A07 ENLARGED DEMOLITION RCP AT EXTERIOR CANOPY
SCALE: 1 : 100



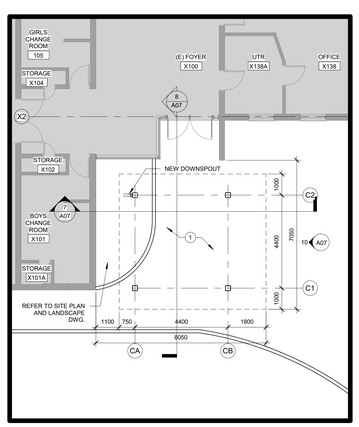
14 A07 SECTION DETAIL - CANOPY
SCALE: 1 : 10



1 A07 ENLARGED ROOF PLAN AT EXTERIOR CANOPY
SCALE: 1 : 100



3 A07 ENLARGED GROUND RCP AT EXTERIOR CANOPY
SCALE: 1 : 100



2 A07 ENLARGED GROUND FLOOR PLAN AT EXTERIOR CANOPY
SCALE: 1 : 100

NO.	DESCRIPTION	DATE
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2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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
NOV. 19/25
PRISCILLA LADOUCEUR
LICENCE
6553

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

DEMOLITION & PROPOSED CANOPY AT MAIN ENTRANCE

HOSSACK ARCHITECTURE

155 - 1939 IRONDAK WAY
MISSISSAUGA, ON L4W 0G5
(905) 513-5254 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A07
CHECKED: PLJK	
PRINT DATE	11/18/2025 4:47:30 PM
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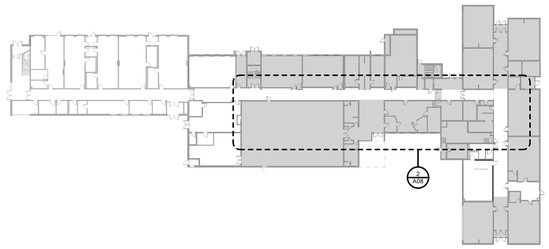


4 A08 GROUND FLOOR KEY PLAN
SCALE: 1 : 500

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

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

DEMOLITION NOTES - REFLECTIVE CEILING PLANS

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

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

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

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

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

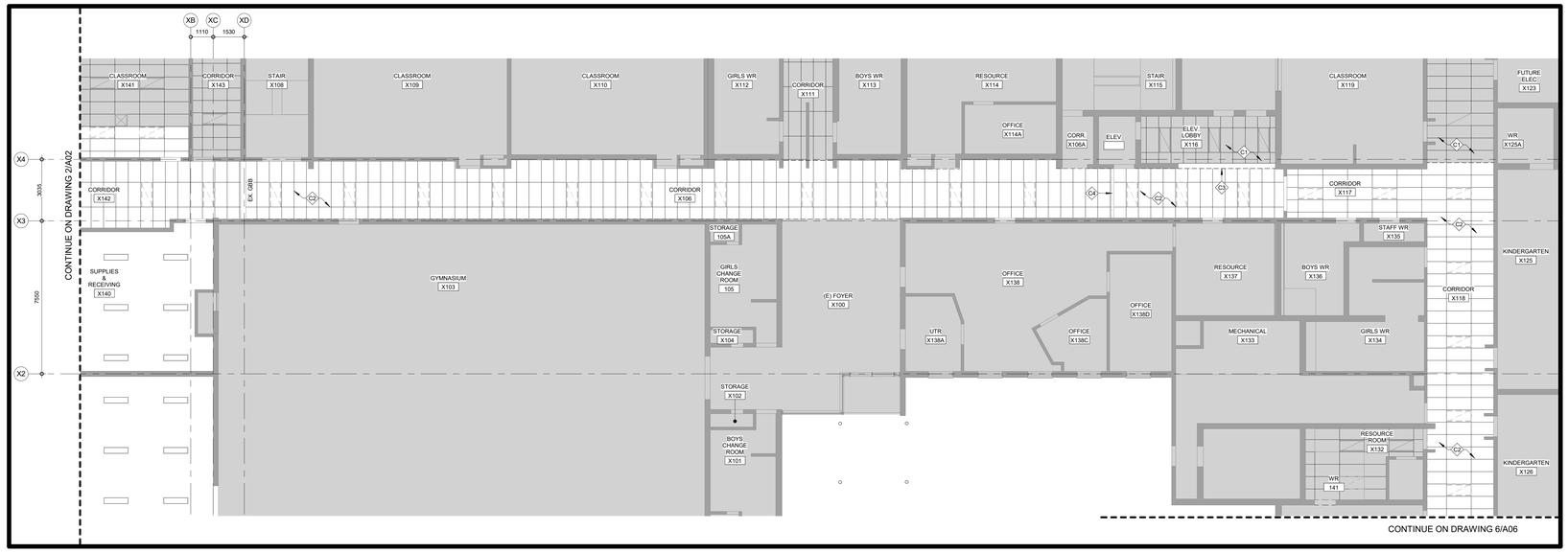
- C1 — EXISTING CEILING TO REMAIN.
- C2 — CAREFULLY REMOVE EXISTING CEILING TILES, GRIDS, LIGHTS, ETC. TO EXTENT SHOWN AS REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. SAFELY STORE ON SITE FOR RE-INSTALLATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. G.C. TO REPLACE ANY DAMAGED TILES.
- C3 — EXISTING BULKHEAD TO HAVE GYPSUM BOARD ON ONE SIDE REMOVED AS INDICATED. TO EXTEND EXISTING BULKHEAD AS REQUIRED FOR MECHANICAL WORK. REFER TO PROPOSED DRAWINGS AND SECTIONS FOR NEW BULKHEAD. REFER TO MECH. DWGS AS REQUIRED.
- C4 — REMOVE BULKHEAD AS REQUIRED FOR MECHANICAL WORK. REFER TO MECH. DWGS.

CONSTRUCTION NOTES - REFLECTIVE CELING PLAN

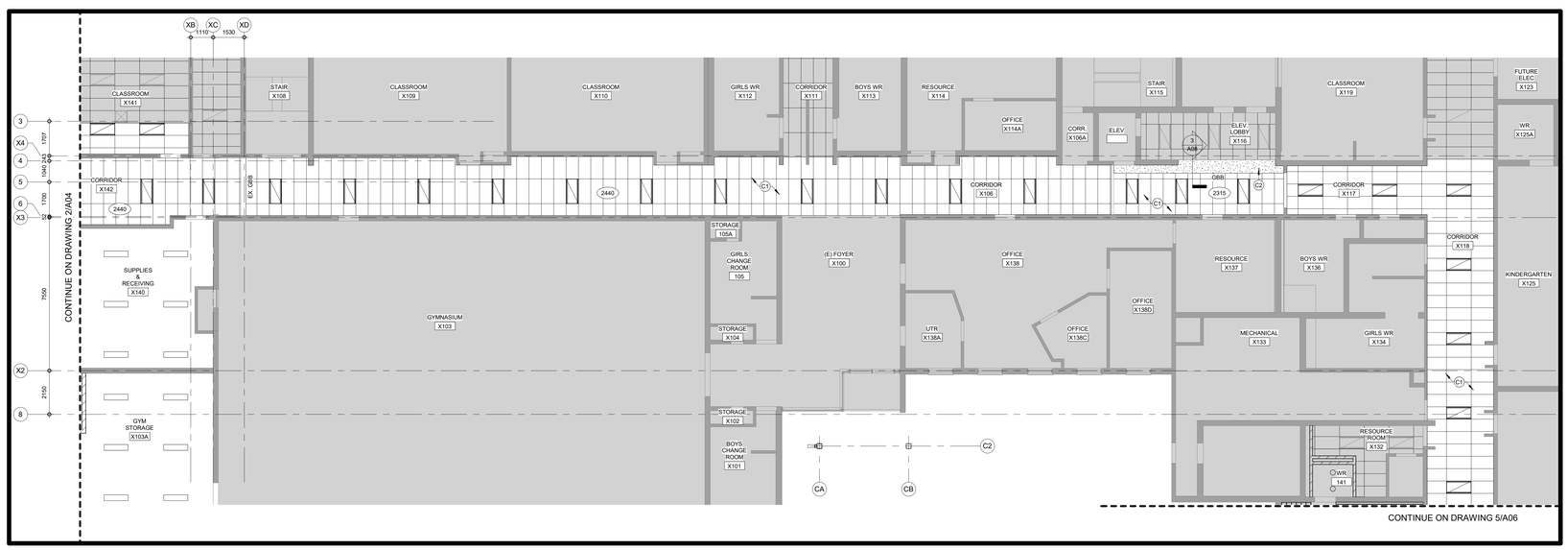
DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

CONTRUCTION NOTES TO BE READ IN CONJUNCTION WITH PROPOSED ELEVATIONS.

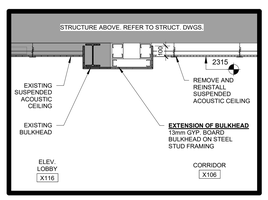
- C1 — EXISTING CEILING TILES AND LIGHTS TO BE REMOVED AND REINSTALLED AS REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. REFER TO MECH. AND ELEC. DWGS.
- C2 — NEW 13mm GYPSUM BOARD ON STEEL STUD FRAMING BULKHEAD EXTENDED FROM EXISTING BULKHEAD. HEIGHT AND PAINT TO MATCH EXISTING. REFER TO PROPOSED DWGS.



1 A08 PARTIAL DEMOLITION GROUND FLOOR RCP AT CORRIDOR
SCALE: 1 : 100



2 A08 PARTIAL PROPOSED GROUND FLOOR RCP AT CORRIDOR
SCALE: 1 : 100



3 A08 GYP. BULKHEAD DETAIL @ CORRIDOR X106
SCALE: 1 : 20

RCP LEGEND

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

WALL & FLOOR HATCH LEGEND

- EXISTING PORTIONS OF BUILDING NOT PART OF THIS RENOVATION
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED. REFER TO DEMOLITION PLANS AND NOTES
- EXISTING FLOORING & CONCRETE SLAB ON GRADE AND SUB-BASE TO BE REMOVED FOR NEW PLUMBING
- EXISTING EPOXY FLOORING & SUB-BASE TO BE REMOVED DOWN TO SLAB
- EXISTING TERRAZZO AND COVE BASE TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- EXISTING SHEET FLOORING TO BE REMOVED. REF. DEMOLITION PLANS & NOTES
- SHEET FLOORING AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW VCT AND COVE BASE INFILL, TO MATCH EXISTING.
- NEW CONCRETE SLAB INFILL C/W SUB-BASE AND NEW FLOOR FINISH. REF. STRUCT. DWGS. AND ROOM FINISH SCHEDULE.
- NEW TERRAZZO AND COVE BASE. REFER TO ROOM SCHEDULE
- NEW BLOCK WALL

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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 PRIOR TO COMMENCEMENT OF WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

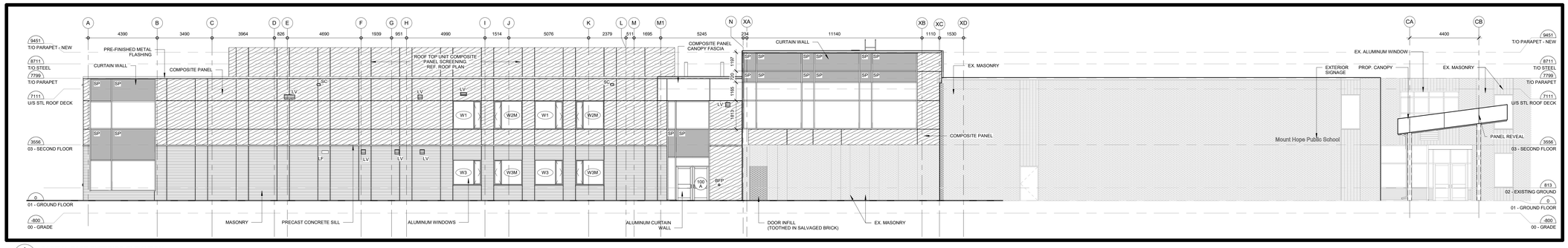
20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

PARTIAL DEMO. & PROP. GROUND FLOOR RCP

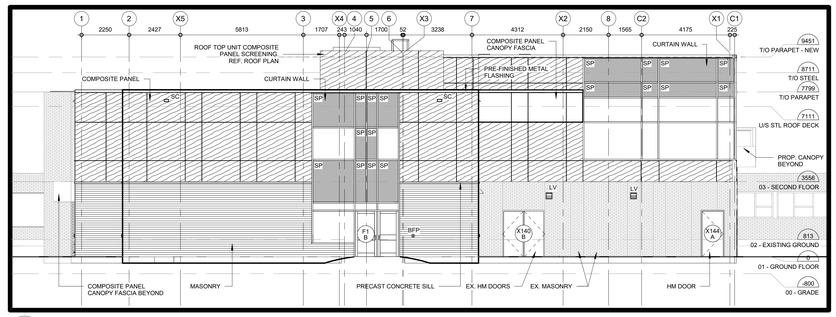
HOSSACK ARCHITECTURE

105 - 1939 IRONOAK WAY
OAKVILLE, ON L6H 3V5
(905) 915-0294 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A08
CHECKED: PLJK	
PRINT DATE	11/18/2025 4:40:30 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



1 / A09 PARTIAL EAST EXTERIOR ELEVATION
SCALE: 1 : 100



2 / A09 PARTIAL SOUTH EXTERIOR ELEVATION
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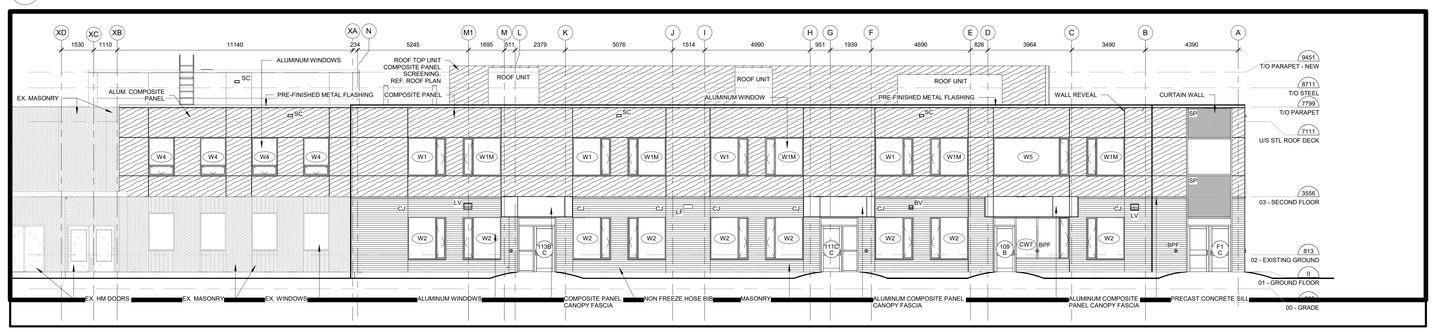
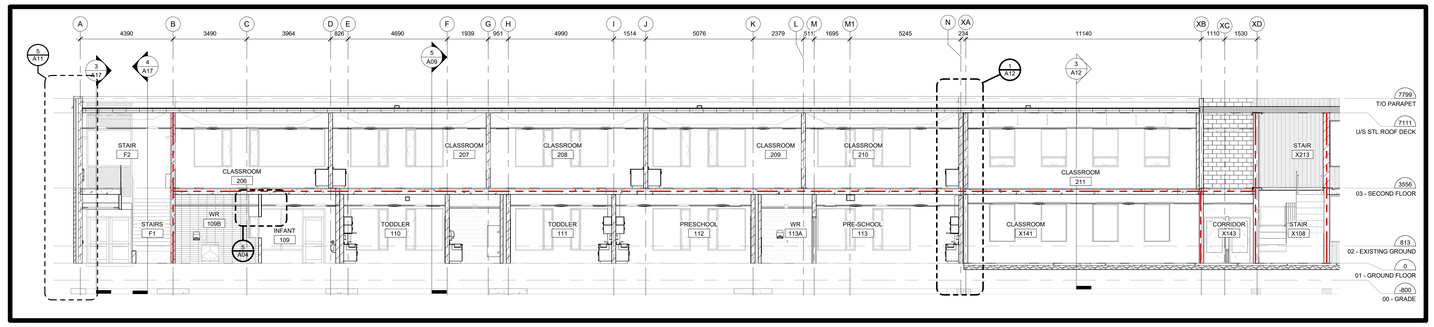
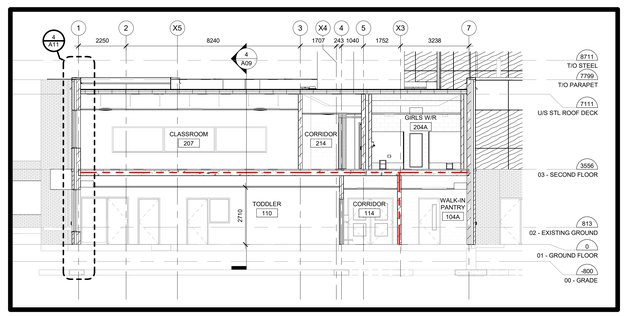


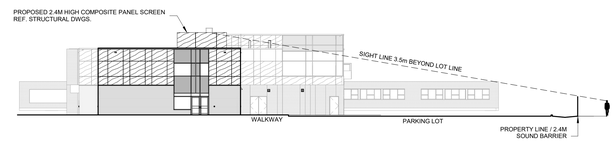
3 / A09 PARTIAL WEST ELEVATION
SCALE: 1 : 100



4 / A09 NORTH - SOUTH BUILDING SECTION
SCALE: 1 : 100



5 / A09 EAST - WEST BUILDING SECTION
SCALE: 1 : 100



6 / A09 PARTIAL SOUTH EXTERIOR ELEVATION - SIGHT LINE
SCALE: 1 : 250

MATERIAL LEGEND

- MASONRY VENEER
- ALUMINUM COMPOSITE PANEL

SP	SPANDREL PANEL
CJ	CONTROL JOINT
LF	LIGHT FIXTURE REFER TO ELEC. DWGS
SC	SCUPPER
LV	LOUVRE - REFER TO MECH. DWGS
BV	BRICK VENT - REFER TO MECH. DWGS
HB	HOSE BIB
PJ	PANEL JOINT

GENERAL NOTE:
All roof-top HVAC units will be provided with visual screening to screen view from the east property line shared with the residential properties to the east. Please refer to 3/A09.

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	251120
4	RE-ISSUED FOR SPA	251008
3	RE-ISSUED FOR BUILDING PERMIT	250908
2	ISSUED FOR BUILDING PERMIT	250725
1	ISSUED FOR SPA	241121

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
9053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

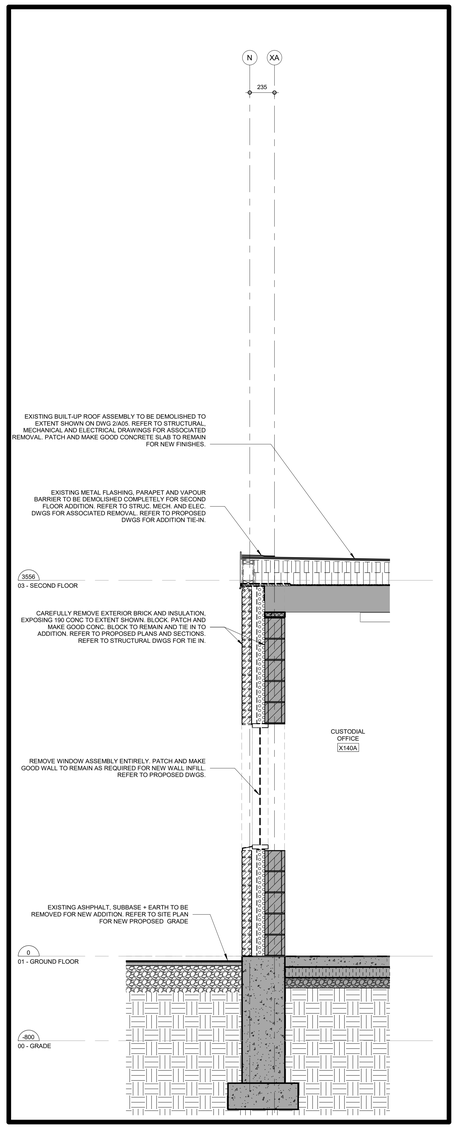
20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

EXTERIOR ELEVATIONS & BLDG. SECTIONS

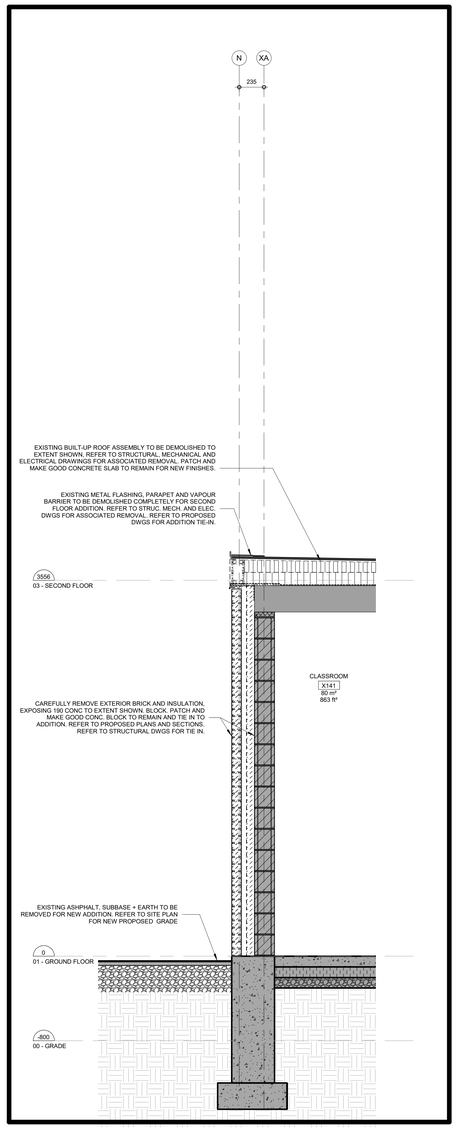
HOSSACK ARCHITECTURE

105 - 1239 IRONOAK WAY
OAKVILLE, ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

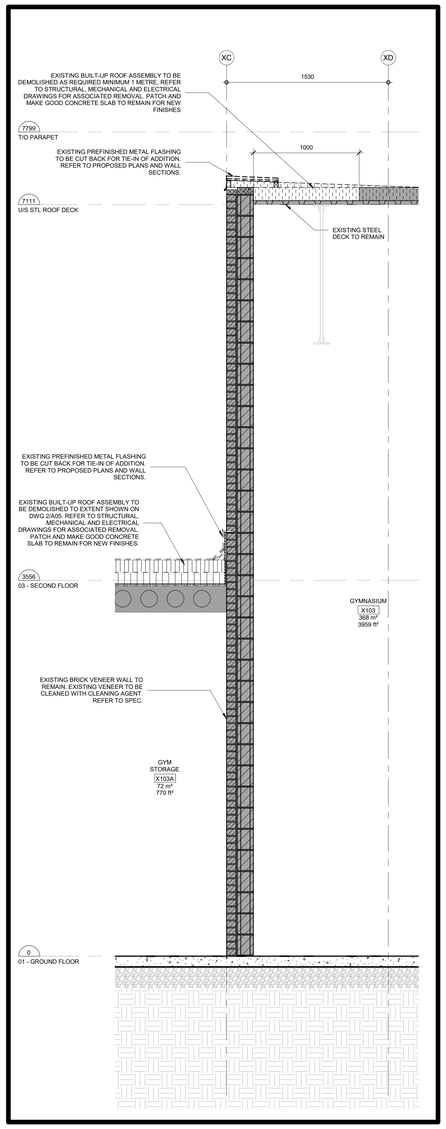
SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A09
CHECKED: PL/JK	
PRINT DATE: 11/18/2025 4:40:50 PM	
REVIT FILE: T:\2024\24113\02\Revit.RVT	



3 A10 WALL SECTION @ VESTIBULE DEMOLITION
SCALE: 1 : 20



2 A10 WALL SECTION @ CLASSROOM 141 - DEMOLITION
SCALE: 1 : 20



1 A10 WALL SECTION @ GYM - DEMOLITION
SCALE: 1 : 20

EXISTING WALLS TO REMAIN

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADUCEUR
LICENCE
6553

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION
9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

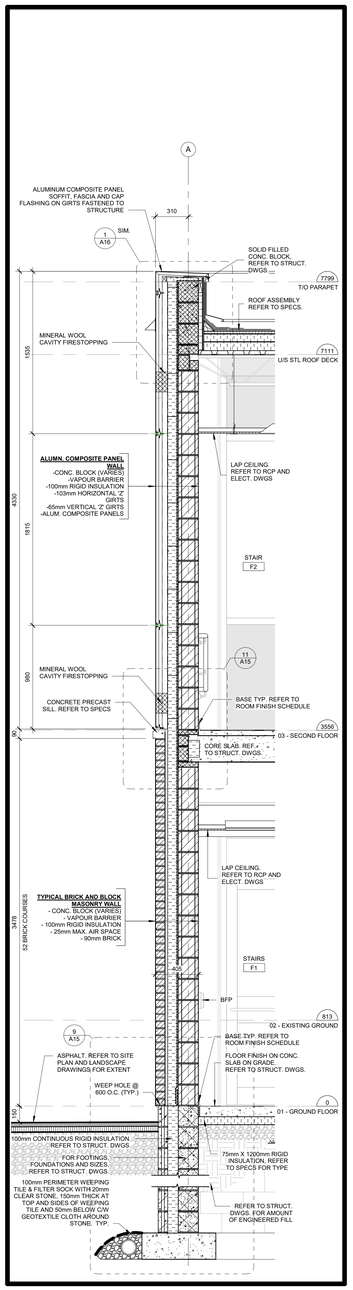
20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

WALL SECTIONS

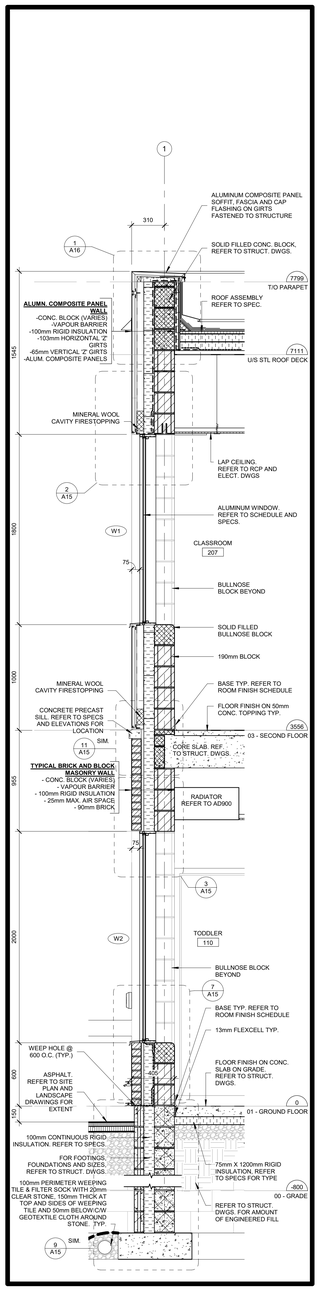
HOSSACK ARCHITECTURE

105 - 1939 IRONDAR WAY
OAKVILLE, ON L6H 7T4
(905) 815-0291 admin@hossackarch.com

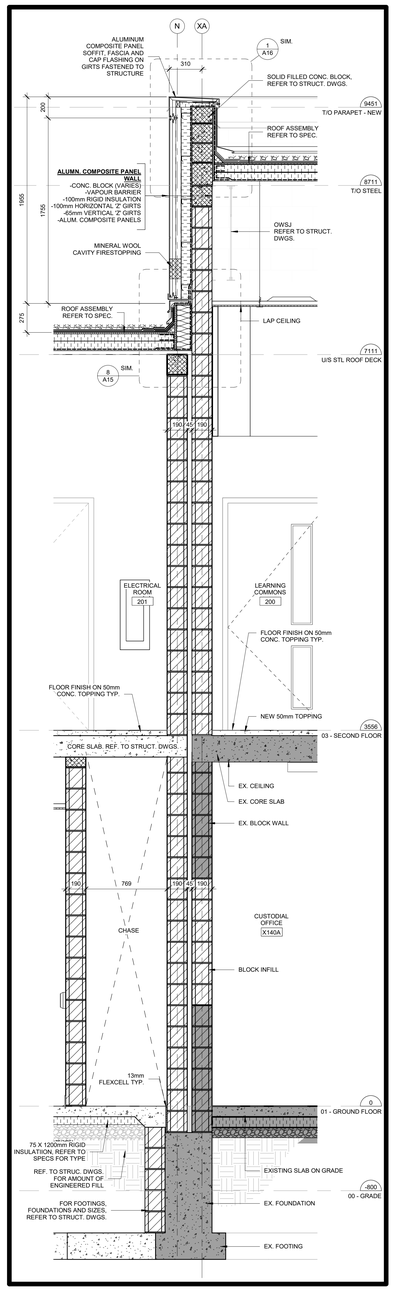
SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A10
CHECKED: PL/JK	
PRINT DATE	11/18/2025 4:40:59 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



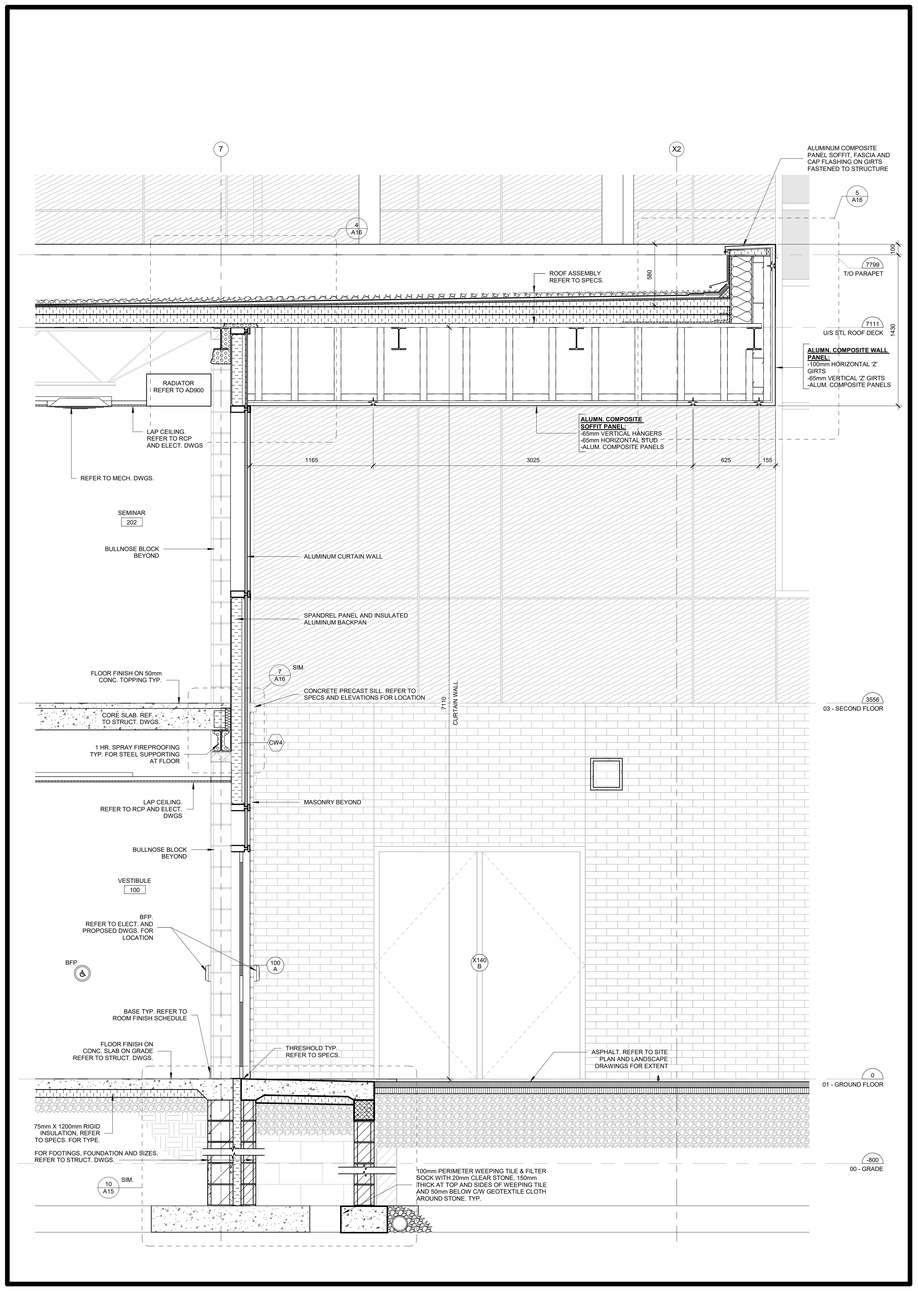
5 A11 WALL SECTION @ TYPICAL EXTERIOR WALL
SCALE: 1 : 20



4 A11 WALL SECTION @ TYPICAL EXTERIOR WINDOWS
SCALE: 1 : 20



3 A11 WALL SECTION @ VESTIBULE
SCALE: 1 : 20



1 A11 WALL SECTION @ ADDITION VESTIBULE
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 19/25
PRISCILLA LADOUCEUR
LICENCE 9553

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

WALL SECTIONS

HOSSACK ARCHITECTURE

105 - 1939 IRONDAK WAY
BRISTOL, QC J0X 1G0
(905) 513-0291 admin@hossackarch.com

SCALE 1 : 20	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A11
CHECKED PLJK	
PRINT DATE	11/18/2025 4:41:13 PM
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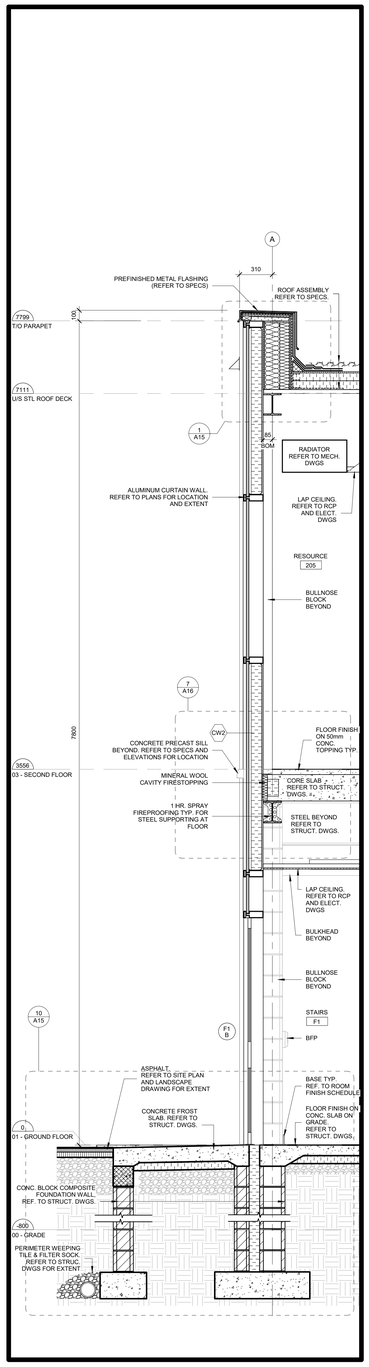
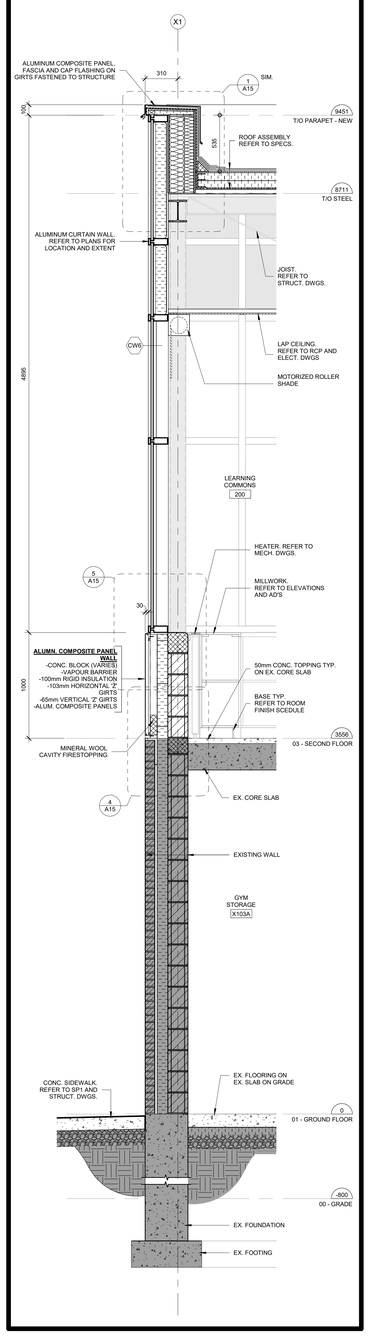
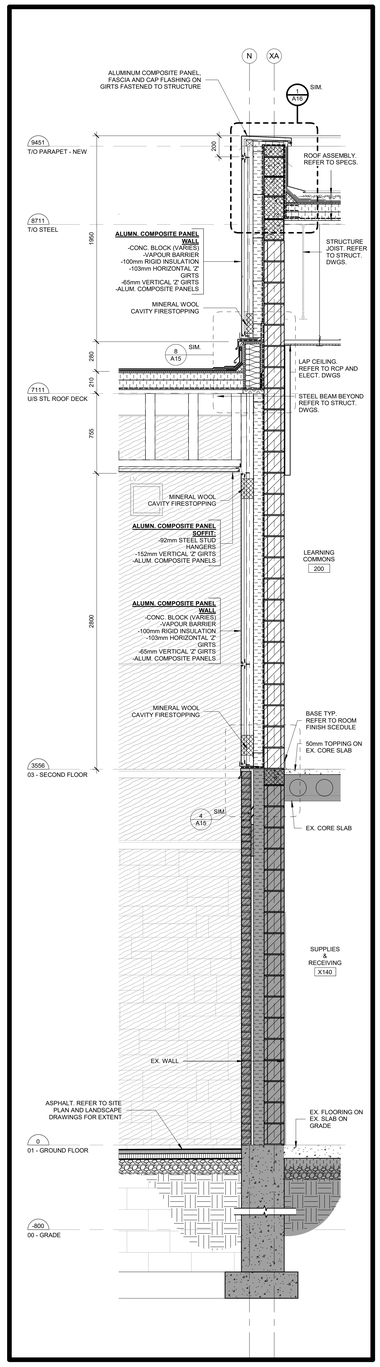


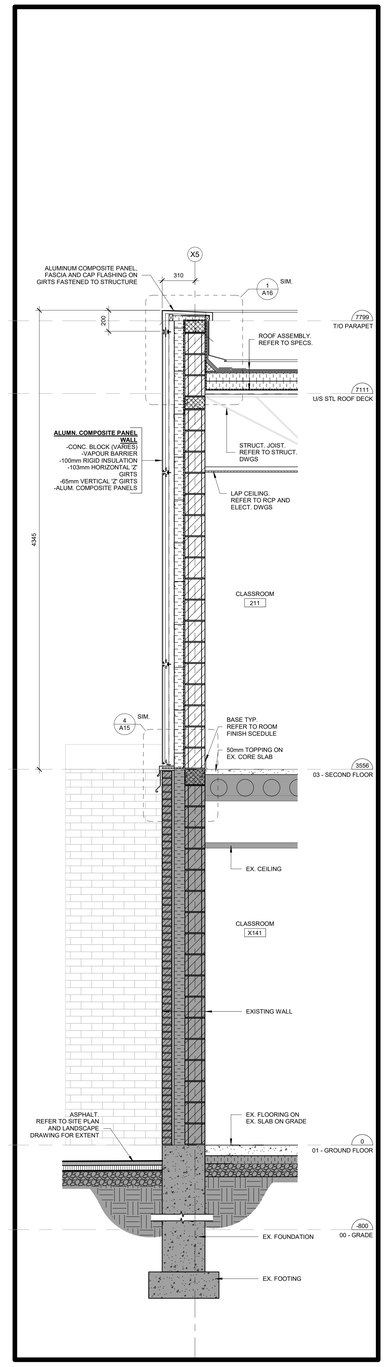
6 A12 WALL SECTION @ STAIR VESTIBULE
SCALE: 1 : 20



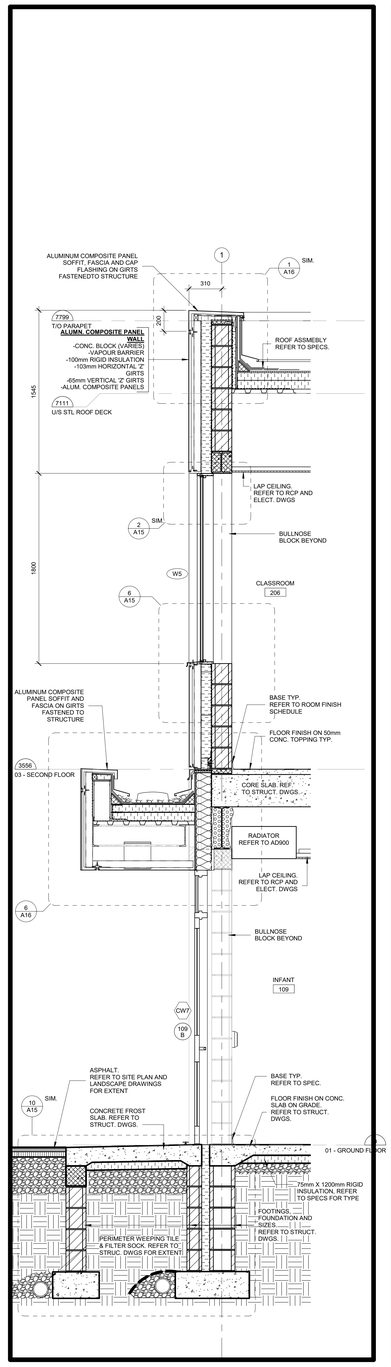
5 A12 WALL SECTION @ LEARNING COMMONS CURTAIN WALL
SCALE: 1 : 20



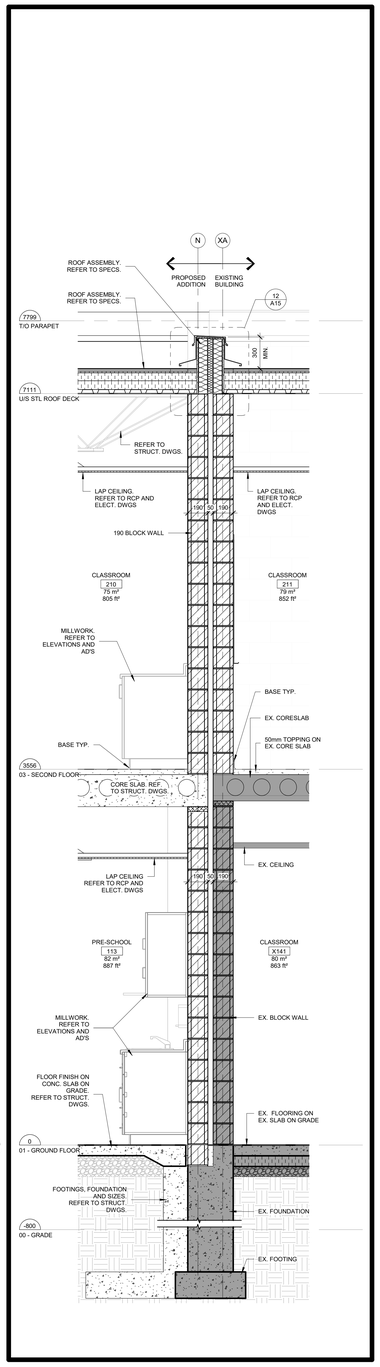
4 A12 WALL SECTION @ LEARNING COMMONS EXTERIOR WALL
SCALE: 1 : 20



3 A12 WALL SECTION @ EXISTING CLASSROOM
SCALE: 1 : 20



2 A12 WALL SECTION @ TYPICAL CHILDCARE ENTRANCE CANOPY
SCALE: 1 : 20



1 A12 WALL SECTION @ CLASSROOM 141 - PROPOSED
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 5053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

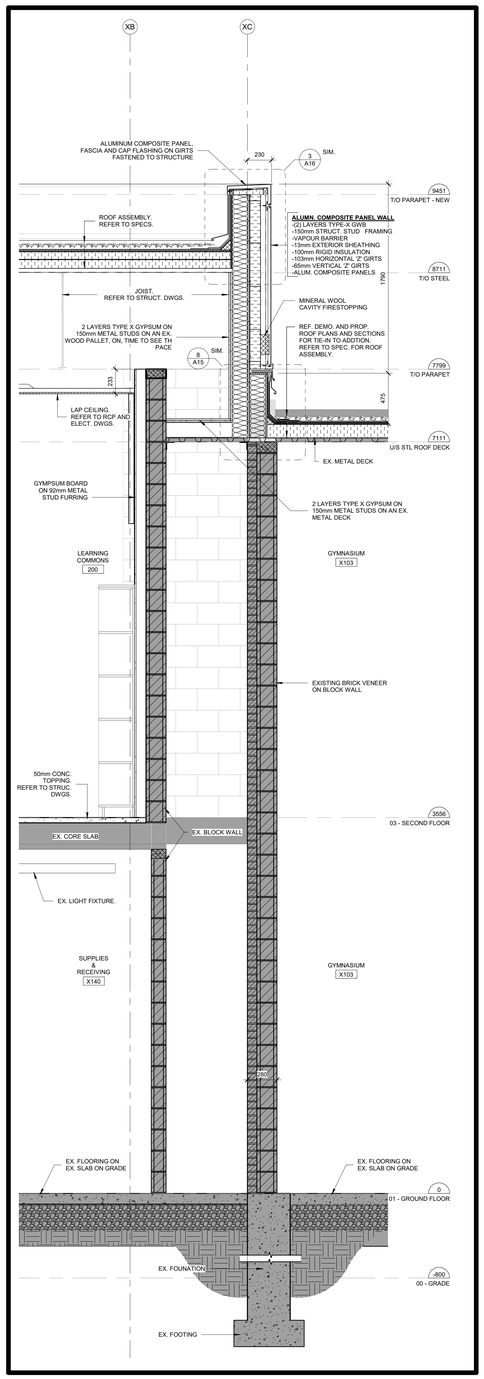
20 EDUCATION COURT, HAMILTON, ON L9A 0B9

WALL SECTIONS

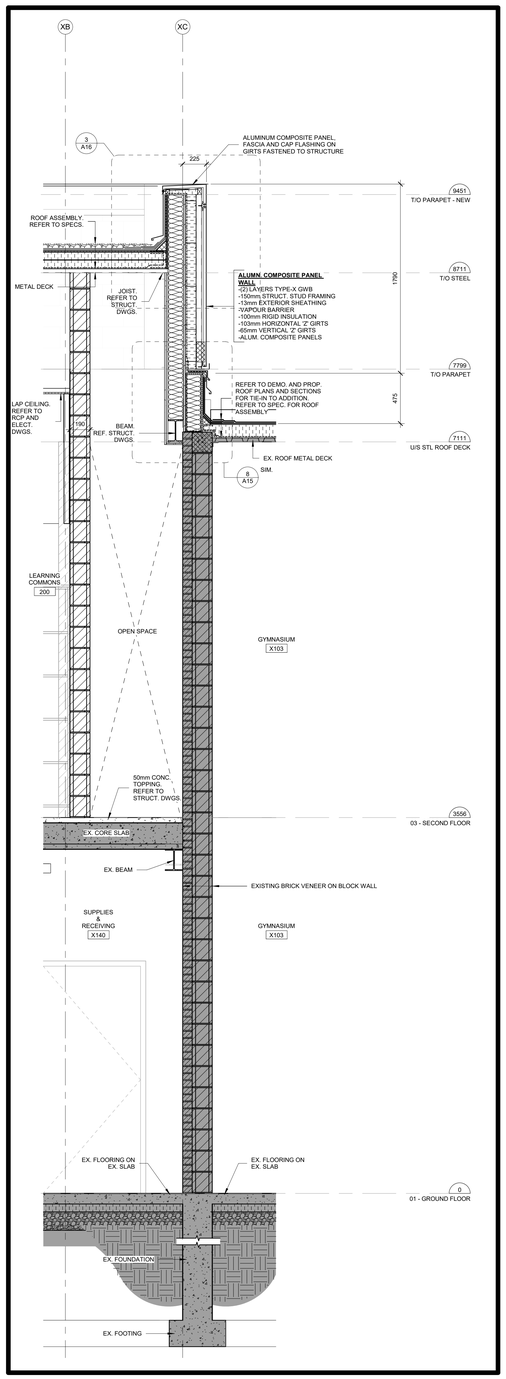
HOSSACK ARCHITECTURE

105 - 1539 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0204 admin@hossackarch.com

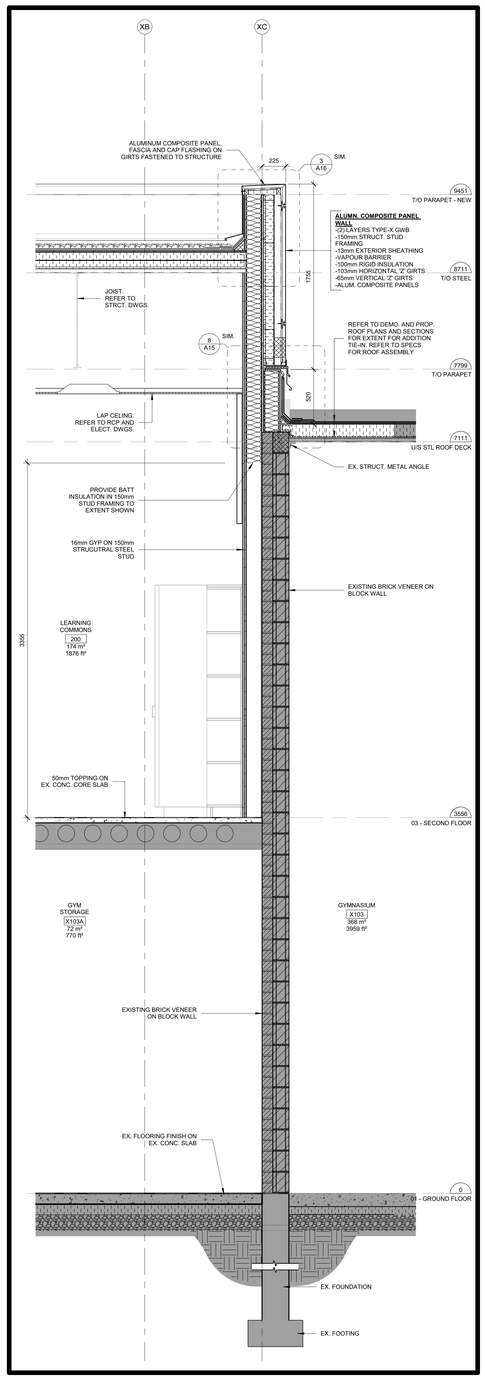
SCALE 1 : 20	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A12
CHECKED PL/JK	
PRINT DATE	11/18/2025 4:41:27 PM
REVIT FILE	1:\2024\24113\02\Revit\.RVT



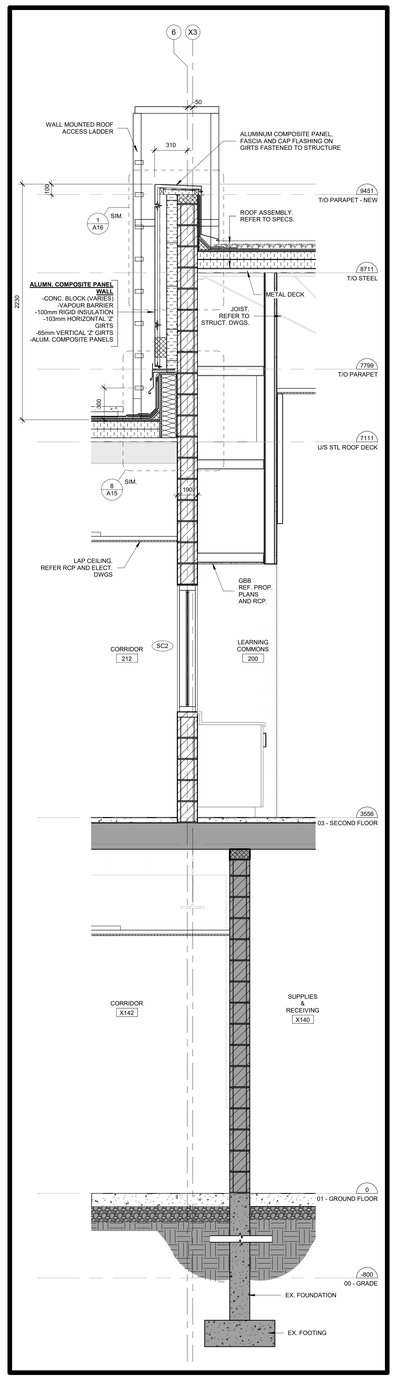
5 A13 WALL SECTION ALONG GRIDLINE 'XC' @ EXISTING CHASE
SCALE: 1 : 20



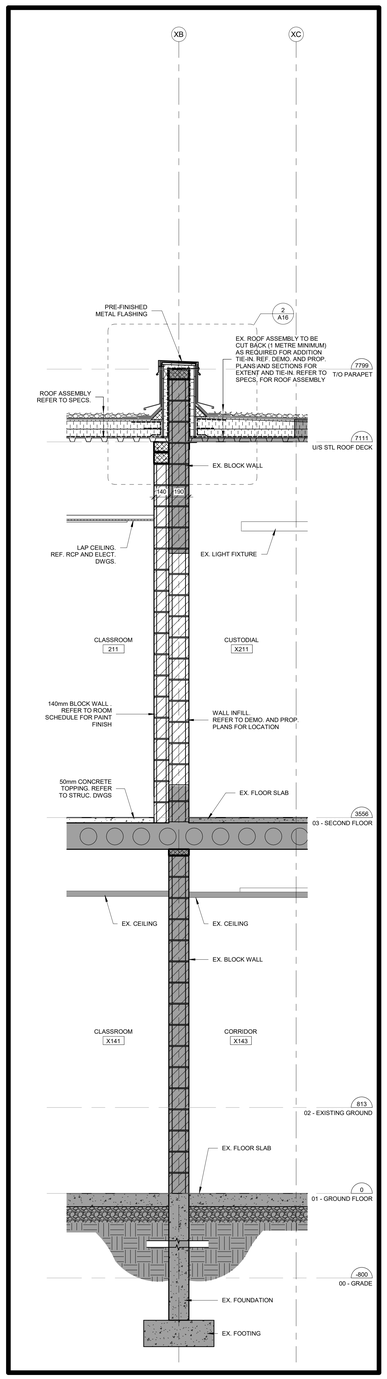
4 A13 WALL SECTION ALONG GRIDLINE 'XC' @ NEW CHASE
SCALE: 1 : 20



3 A13 WALL SECTION @ GYM & LIBRARY - PROPOSED
SCALE: 1 : 20



2 A13 WALL SECTION ALONG GRIDLINE '6' @ LEARNING COMMON BACK WALL
SCALE: 1 : 20



1 A13 WALL SECTION ALONG GRIDLINE 'X5' @ 'CUSTODIAL' (X211) OFFICE
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADUCEUR
LICENCE 6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

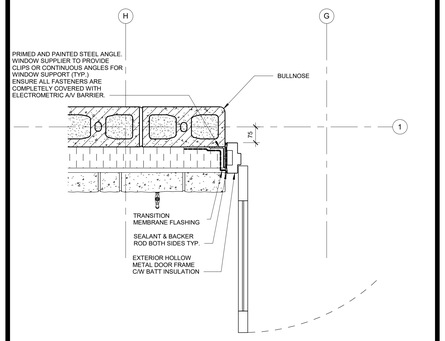
20 EDUCATION COURT, HAMILTON, ON L9A 0B9

WALL SECTIONS

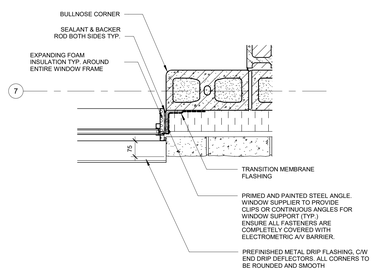
HOSSACK ARCHITECTURE

165 - 1833 IRONOAK WAY OAKVILLE ON L6H 0V3
(905) 815-8284 admin@hossackarch.com

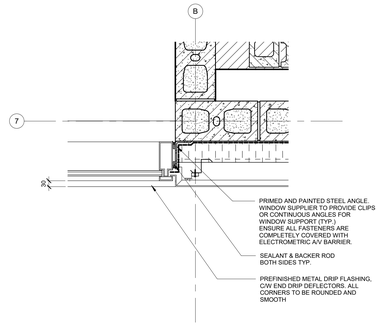
SCALE	1 : 20
PROJECT	24114
DATE	November 2025
DRAWN	JA/TC
DRAWING	A13
CHECKED	PLJK
PRINT DATE	11/18/2025 4:41:38 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



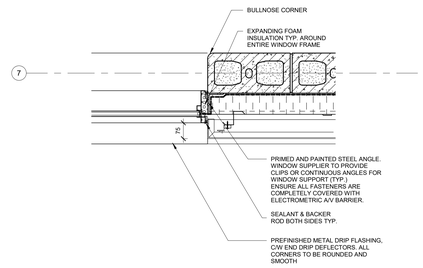
1 A14 PLAN DETAIL - HM DOOR JAMB @ STONE VENEER 1
SCALE: 1 : 10



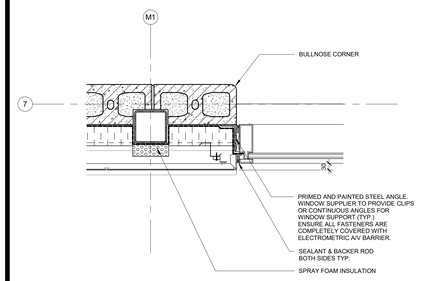
2 A14 WINDOW JAMB @ STONE VENEER ASSEMBLY
SCALE: 1 : 10



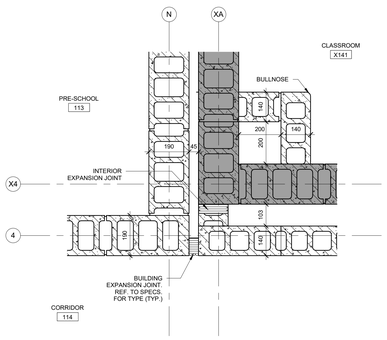
3 A14 CURTAIN WALL JAMB @ STONE VENEER ASSEMBLY
SCALE: 1 : 10



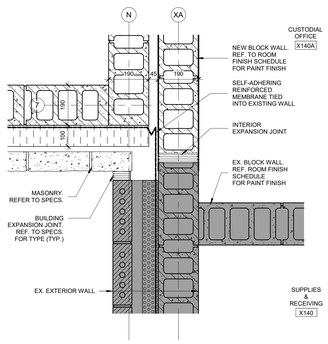
4 A14 02 - SECOND FLOOR - PROPOSED ADDITION
SCALE: 1 : 10



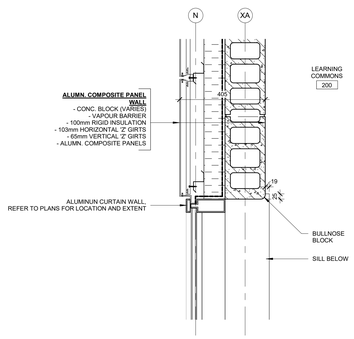
10 A14 PLAN DETAIL @ COMPOSITE PANEL AND CURTAIN WALL
SCALE: 1 : 10



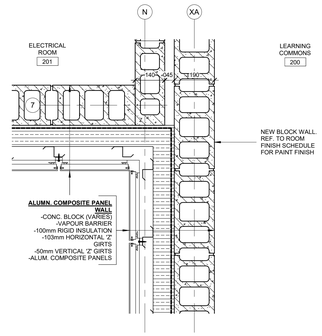
5 A14 PLAN DETAIL @ EXPANSION JOINT INTERIOR
SCALE: 1 : 10



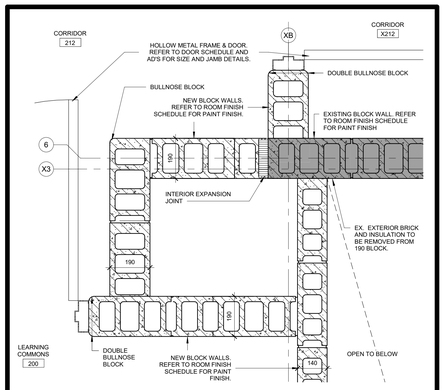
6 A14 PLAN DETAIL - EXPANSION JOINT AT EXTERIOR
SCALE: 1 : 10



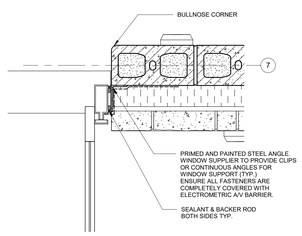
7 A14 PLAN DETAIL @ ALUMN. COMPOSITE PANEL AND CURTAIN WALL
SCALE: 1 : 10



8 A14 PLAN DETAIL - CORNER COMPOSITE PANEL AT EXTERIOR
SCALE: 1 : 10



9 A14 PLAN DETAIL - DOOR JAMB IN LEARNING COMMONS
SCALE: 1 : 10



11 A14 PLAN DETAIL - CURTAIN WALL DOOR JAMB @ STONE VENEER 1
SCALE: 1 : 10

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
6003

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION
9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

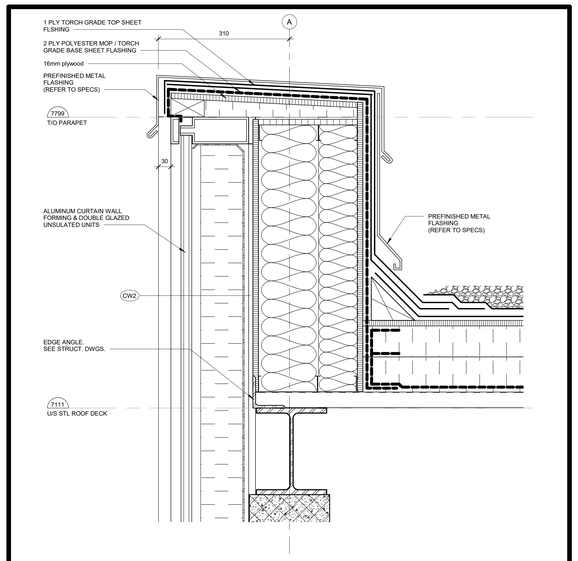
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT,
HAMILTON, ON L8A 0B9

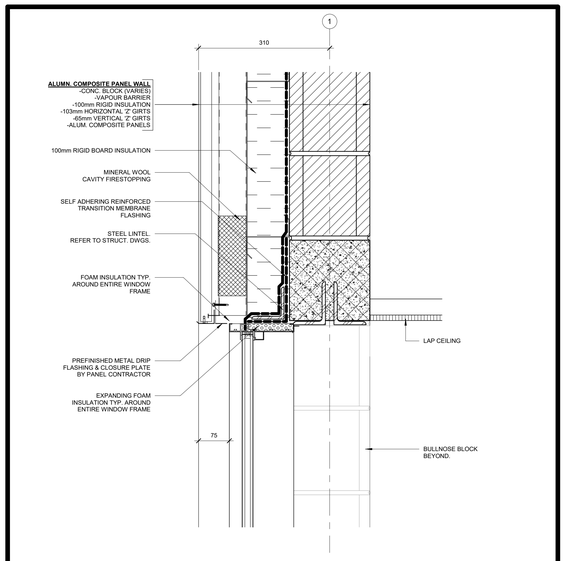
PLAN DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
ABBOTSFORD, BC V2S 0Y3
(250) 513-5201 admin@hossackarch.com

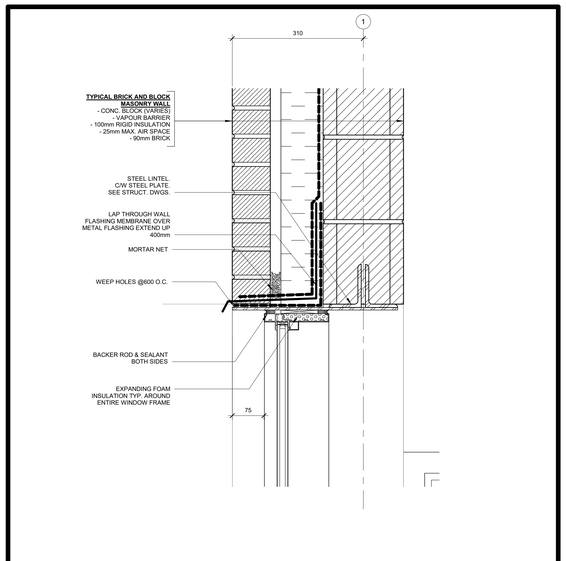
SCALE 1 : 10	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A14
CHECKED PL/JK	
PRINT DATE	11/18/2025 4:41:50 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



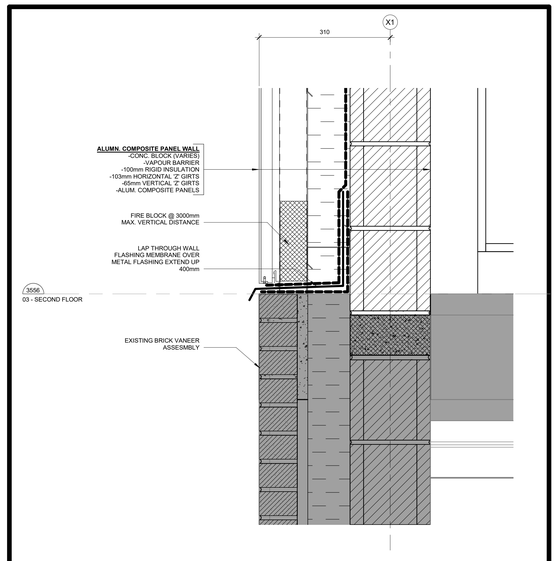
1 / A15 SECTION DETAIL @ CURTAIN WALL PARAPET
SCALE: 1 : 5



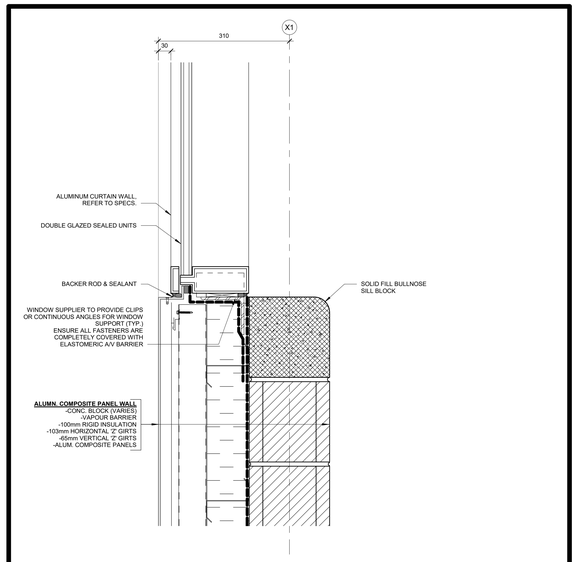
2 / A15 SECTION DETAIL @ COMPOSITE PANEL WINDOW HEADER
SCALE: 1 : 5



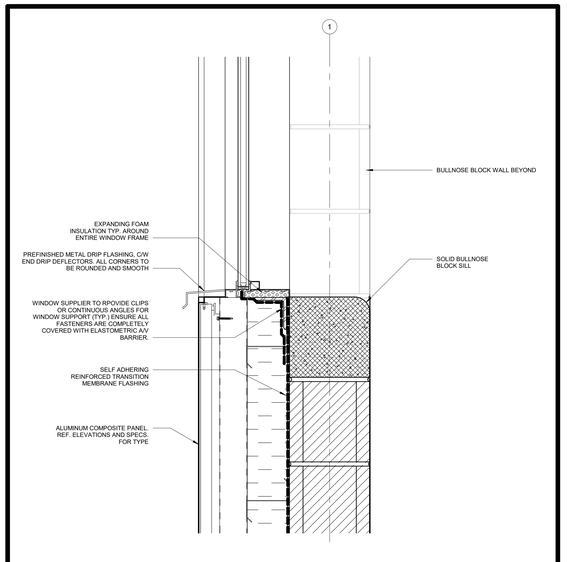
3 / A15 SECTION DETAIL @ BRICK VANEER WINDOW HEADER
SCALE: 1 : 5



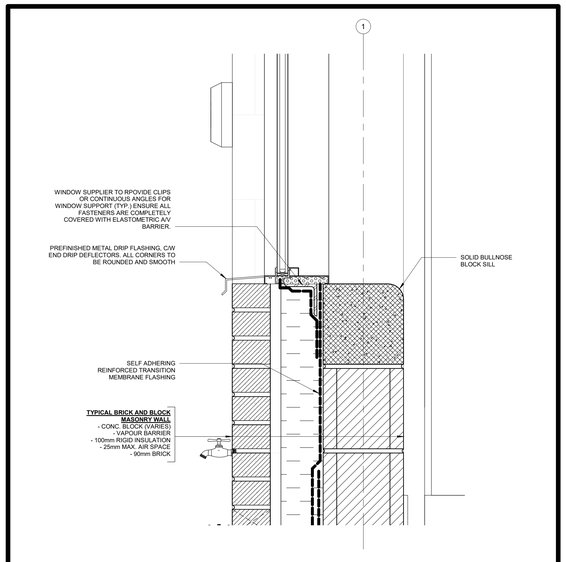
4 / A15 SECTION DETAIL @ COMPOSITE PANEL / BRICK VENEER INTERFACE
SCALE: 1 : 5



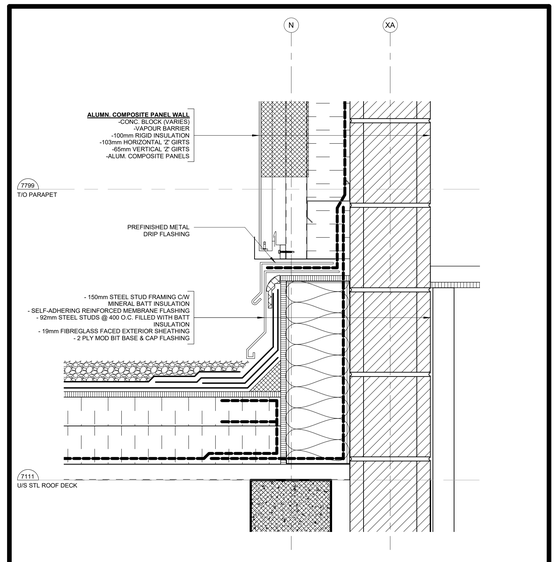
5 / A15 SECTION DETAIL @ CURTAIN WALL SILL / COMPOSITE PANEL INTERFACE
SCALE: 1 : 5



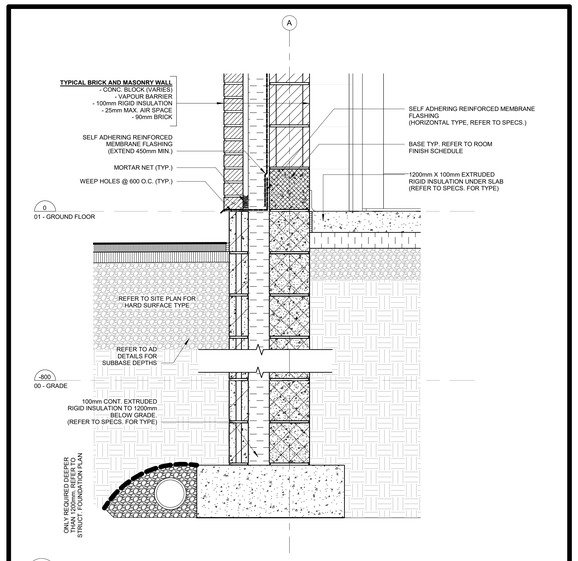
6 / A15 SECTION DETAIL @ WINDOW SILL / COMPOSITE PANEL INTERFACE
SCALE: 1 : 5



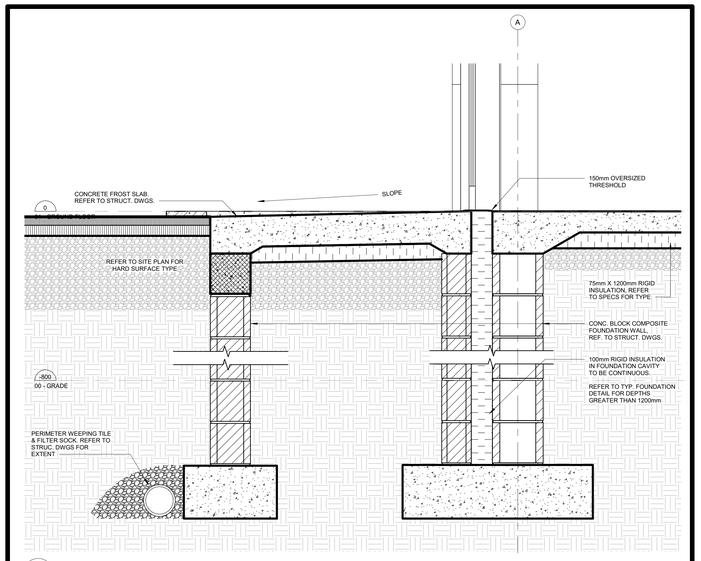
7 / A15 SECTION DETAIL @ WINDOW SILL / BRICK VENEER INTERFACE
SCALE: 1 : 5



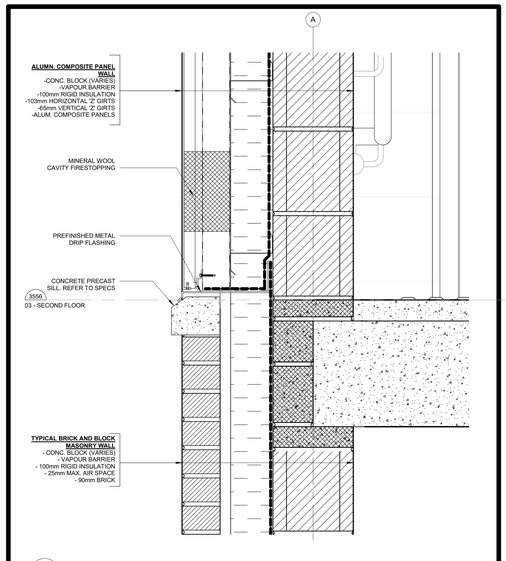
8 / A15 SECTION DETAIL @ COMPOSITE PANEL / ROOF UPTURN ASSEMBLY
SCALE: 1 : 5



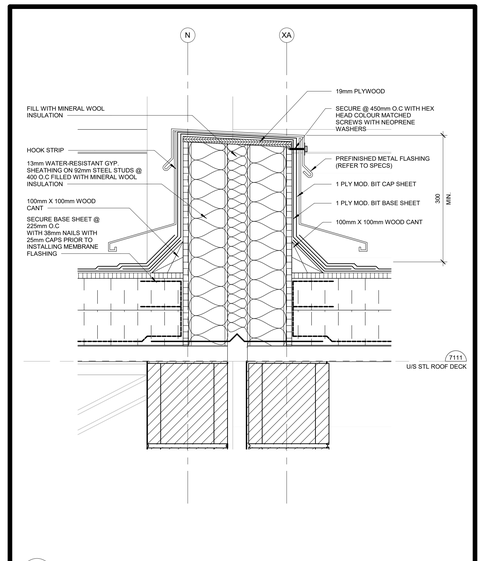
9 / A15 TYPICAL FOUNDATION WALL SECTION DETAIL
SCALE: 1 : 10



10 / A15 TYPICAL FOUNDATION DETAIL @ VESTIBULES
SCALE: 1 : 10



11 / A15 SECTION DETAIL @ COMPOSITE PANEL/BRICK VENEER INTERFACE
SCALE: 1 : 5



12 / A15 WALL SECTION @ CLASSROOM 141 - PROPOSED - Callout 1
SCALE: 1 : 5

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA ADOUCEUR
LICENCE
5053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION
9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

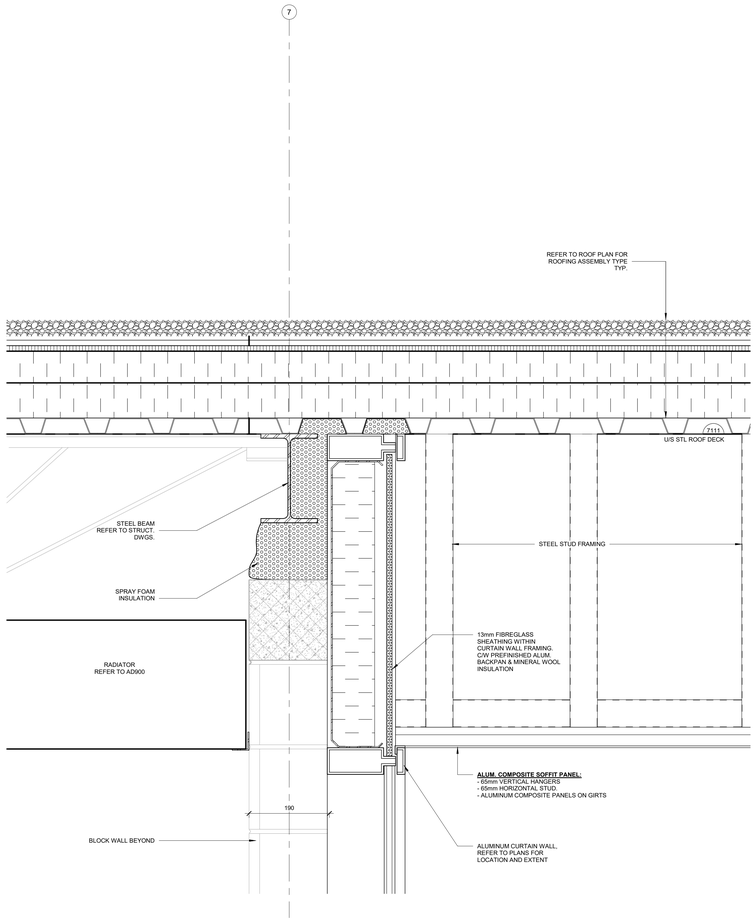
20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

SECTION DETAILS

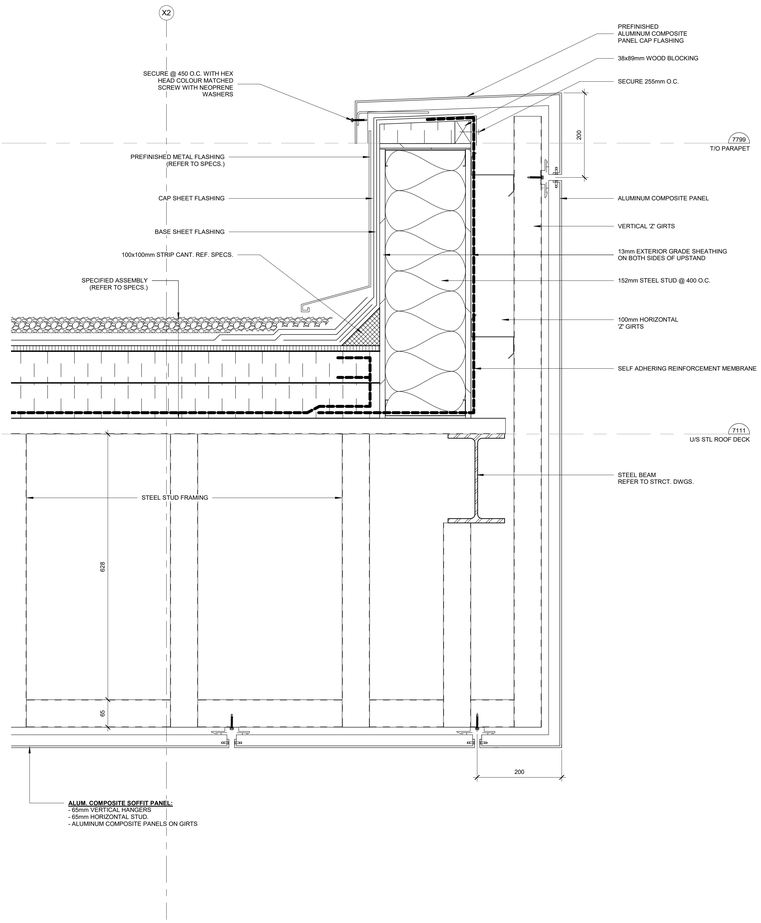
HOSSACK ARCHITECTURE

105 - 1239 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0284 admin@hossackarch.com

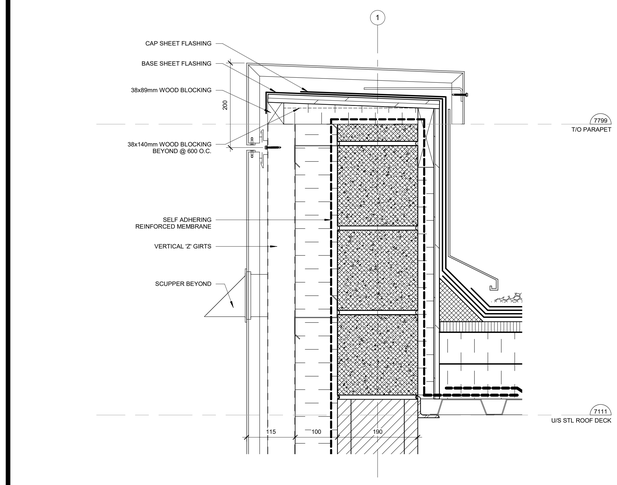
SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A15
CHECKED: PL/JK	
PRINT DATE: 11/18/2025 4:42:07 PM	
REVIT FILE: 1:\2024\24113\02\Revit.RVT	



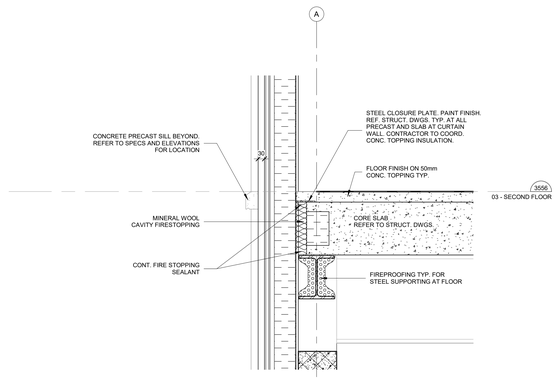
4 / A16 SECTION DETAIL @ ROOF CONNECTION AT ADDITION VESTIBULE CANOPY
SCALE: 1 : 5



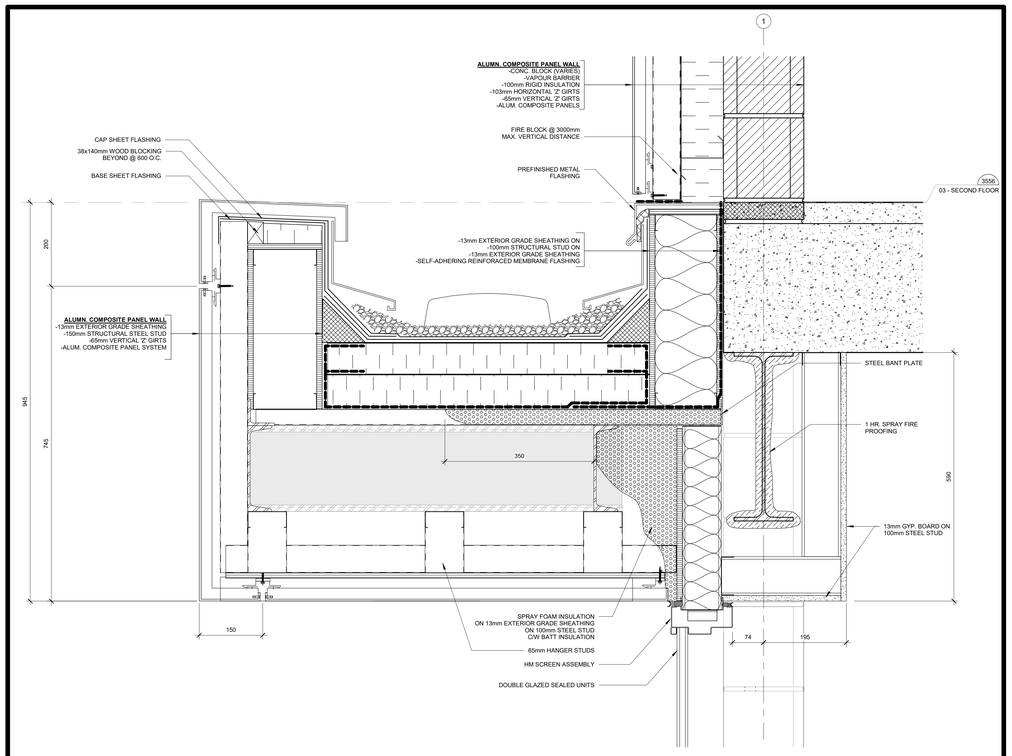
5 / A16 SECTION DETAIL @ ADDITION VESTIBULE CANOPY
SCALE: 1 : 5



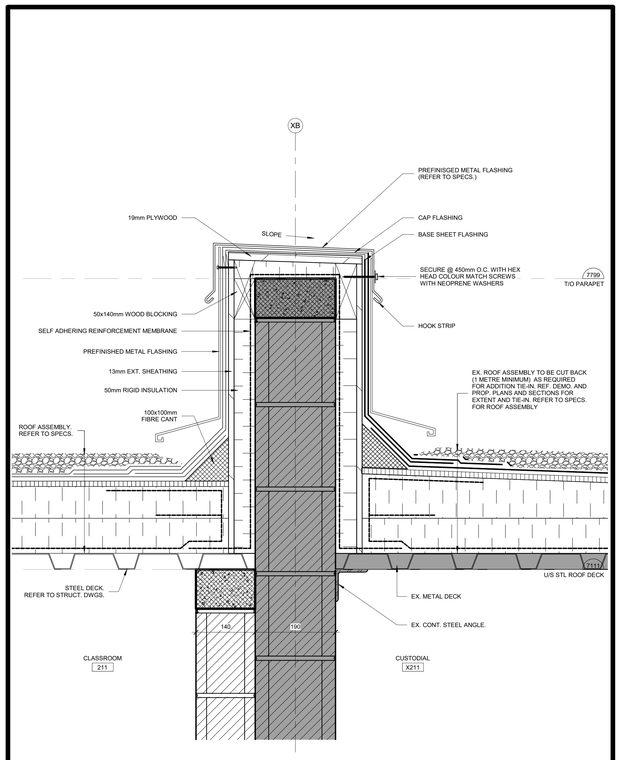
1 / A16 SECTION DETAIL @ ALUM. COMPOSITE PANEL PARAPET
SCALE: 1 : 5



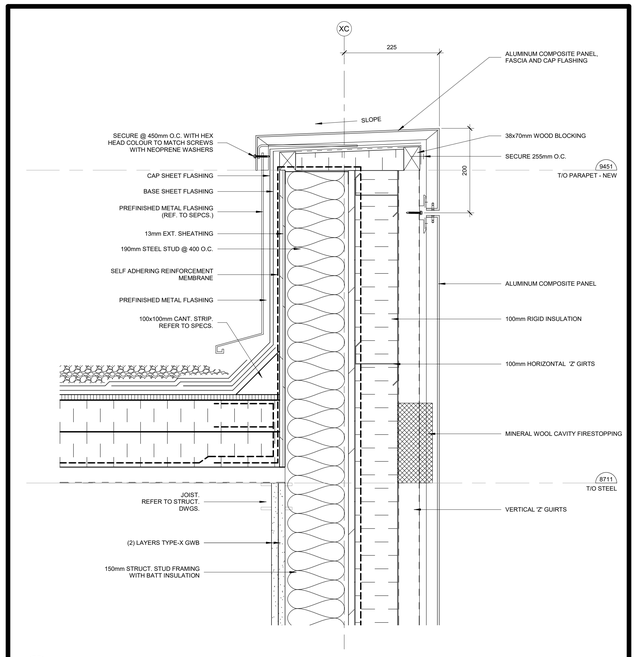
7 / A16 WALL DETAIL@ CONCRETE SLAB AND CURTAIN WALL TYP.
SCALE: 1 : 10



6 / A16 SECTION DETAIL @ TYPICAL CHILDCARE ENTRANCE CANOPY
SCALE: 1 : 5



2 / A16 TOP OF WALL AT EXISTING BUILDING CONNECTION
SCALE: 1 : 5



3 / A16 SECTION DETAIL @ ALUM. COMPOSITE PANEL AT METAL STUD PARAPET
SCALE: 1 : 5

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE 5053
CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION
9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

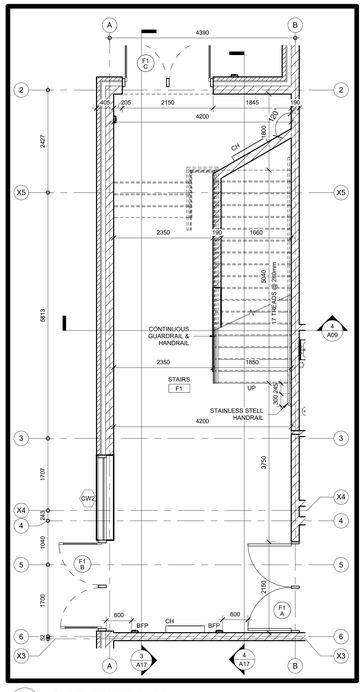
LEGAL DESCRIPTION
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT,
HAMILTON, ON L8A 0B9

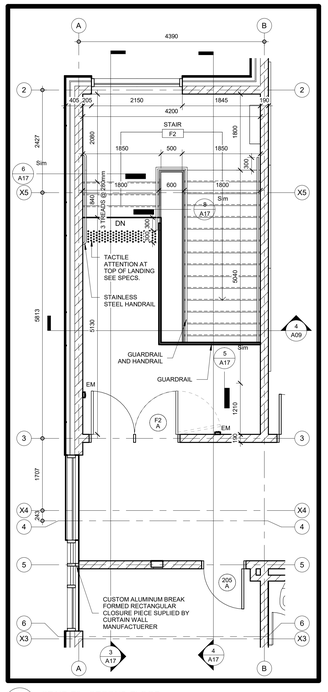
SECTION DETAILS

HOSSACK ARCHITECTURE
155 - 1938 IRONOAK WAY
OAKVILLE ON L6H 3V5
(905) 815-0114 admin@hossackarch.com

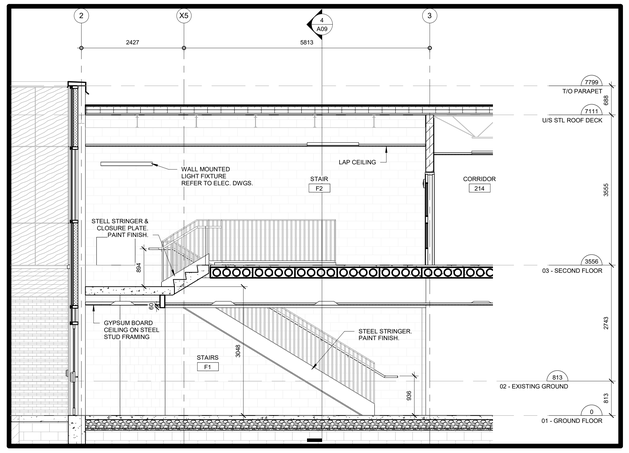
SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A16
CHECKED: PL/JK	
PRINT DATE	11/18/2025 4:42:19 PM
REVIT FILE	1^2024241302^Revit.RVT



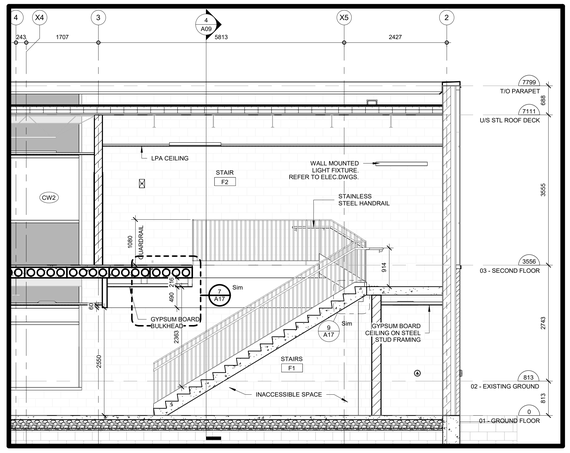
1 A17 STAIR F1 - GROUND FLOOR
SCALE: 1 : 50



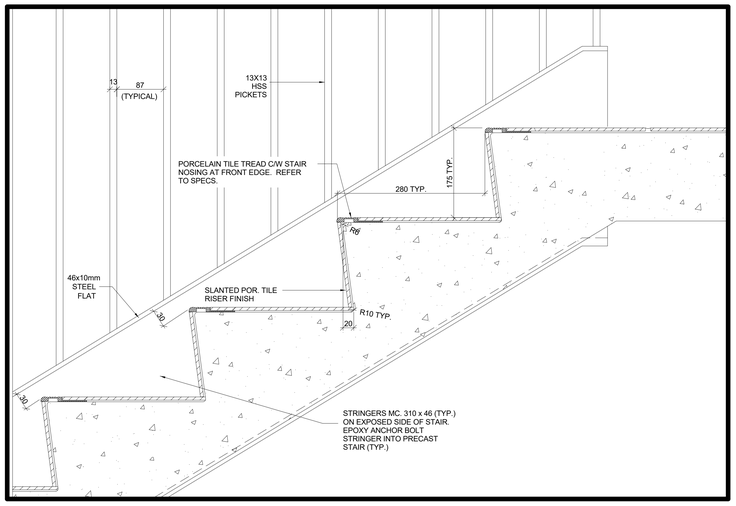
2 A17 STAIR F2 - SECOND FLOOR
SCALE: 1 : 50



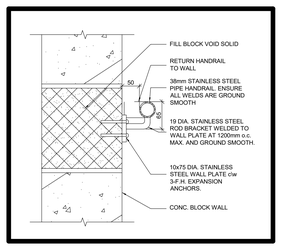
3 A17 STAIR A SECTION 1
SCALE: 1 : 50



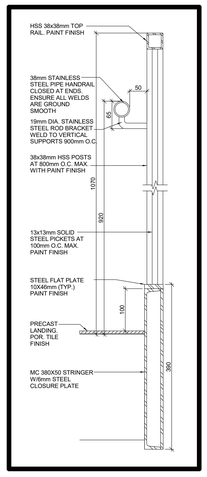
4 A17 STAIR A SECTION 2
SCALE: 1 : 50



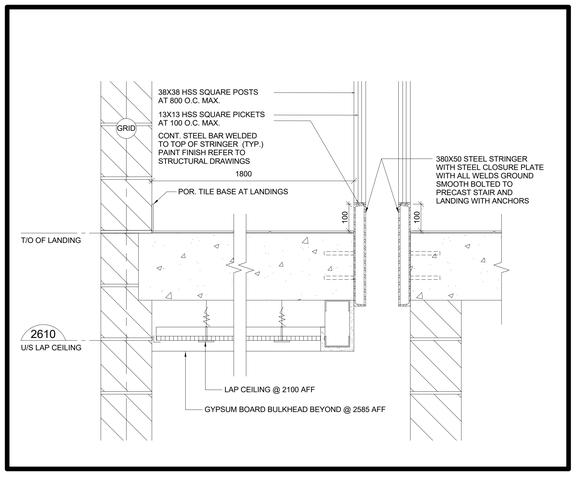
9 A17 TREADS AND RISERS DETAIL - PRECAST
SCALE: 1 : 100



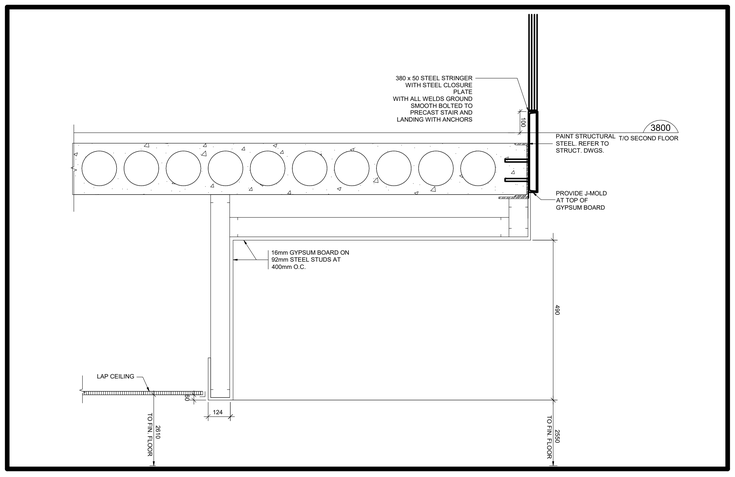
6 A17 STAIR DETAIL- HANDRAIL
SCALE: 1 : 5



5 A17 GUARD AND RAILING DETAIL
SCALE: 1 : 5



8 A17 STAIR SECTION
SCALE: 1 : 200



7 A17 STAIR DETAIL- RAILING AND BULKHEAD AT LANDING
SCALE: 1 : 10

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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

ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
5053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

STAIR PLANS AND SECTIONS

HOSSACK ARCHITECTURE

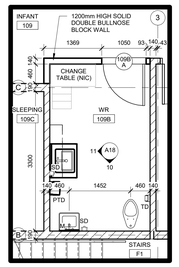
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
DRAWN: JA/TC	DRAWING: A17
CHECKED: PL/JK	
PRINT DATE: 11/18/2025 4:42:33 PM	
REVIT FILE: T:\2024\24113\02\Revit\.RVT	

6 A18 STUDENT WR - B
SCALE: 1 : 50

5 A18 STUDENT WR - C
SCALE: 1 : 50

4 A18 STUDENT WR - D
SCALE: 1 : 50


3 A18 INFANT WR
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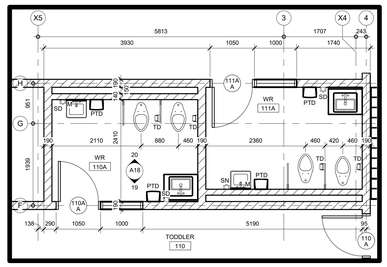
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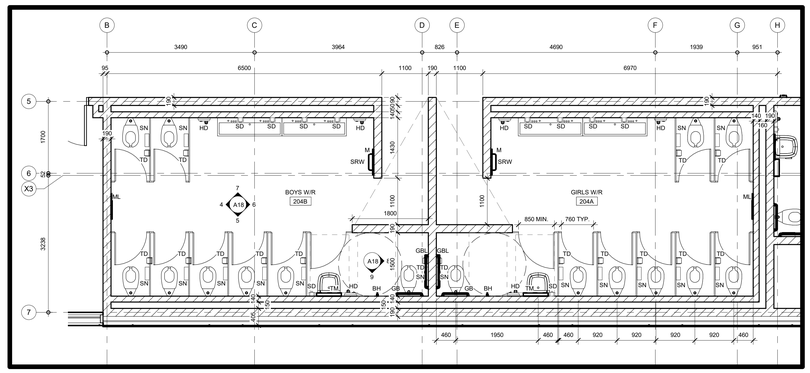
1 A18 SECOND FLOOR ADDITION WASHROOMS
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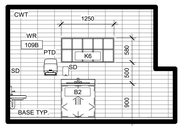
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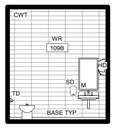
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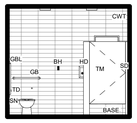
9 A18 TYP. BF STALL - C
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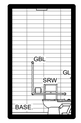
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7 A18 STUDENT WR - A
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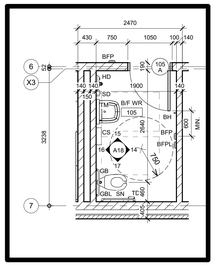
13 A18 TYPICAL STAFF WR
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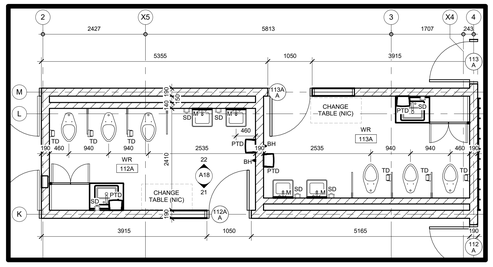
12 A18 PRE-SCHOOL WR
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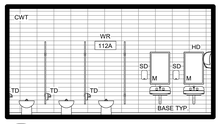
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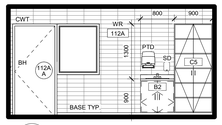
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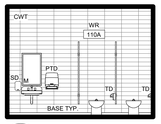
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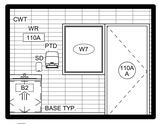
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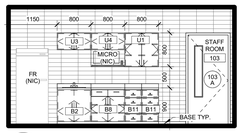
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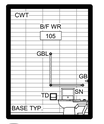
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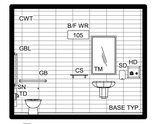
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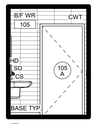
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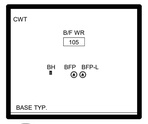
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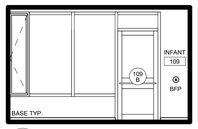
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27 A18 INFANT ROOM - B
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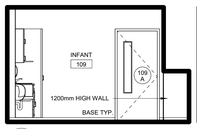
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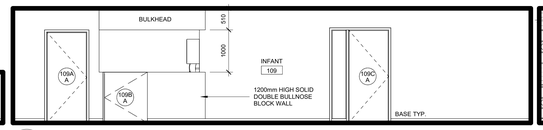
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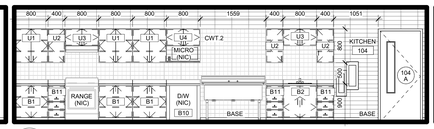
24 A18 KITCHEN - A
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23 A18 KITCHEN - B
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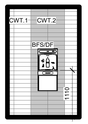
34 A18 DRINKING FOUNTAIN -A
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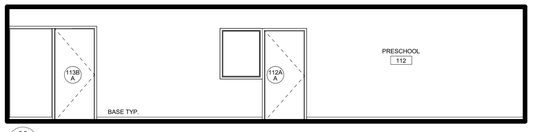
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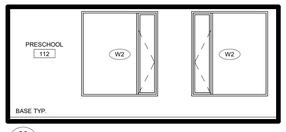
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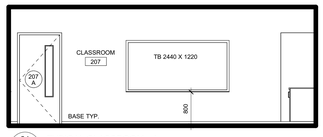
31 A18 TYPICAL CLASSROOM - A
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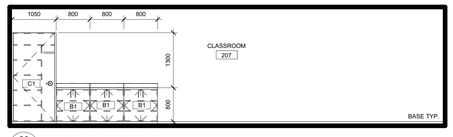
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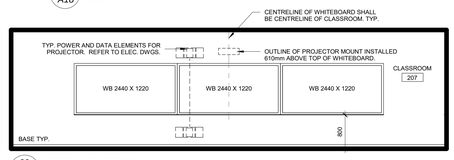
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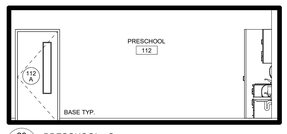
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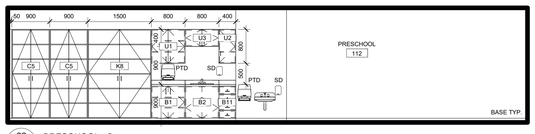
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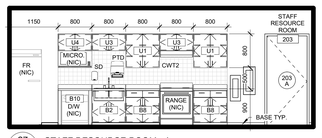
37 A18 STAFF RESOURCE ROOM - A
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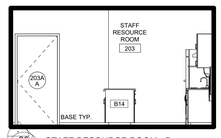
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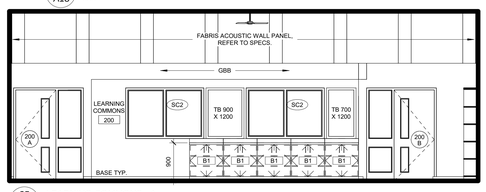
35 A18 LEARNING COMMONS - A
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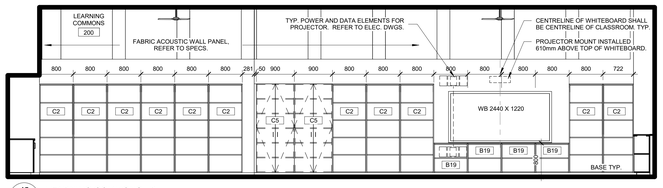
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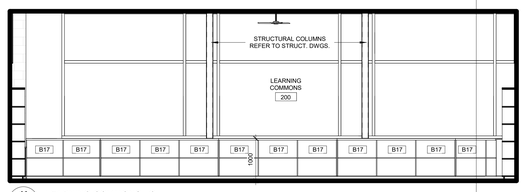
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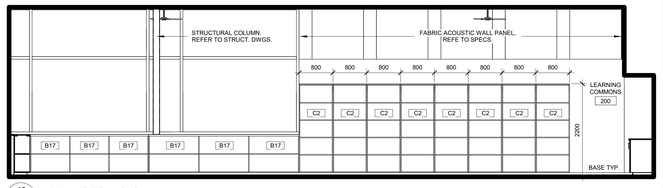
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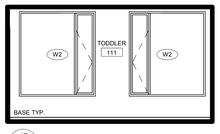
47 A18 TODDLER ROOM - A
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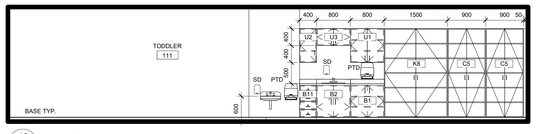
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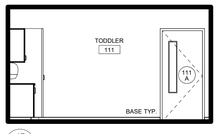
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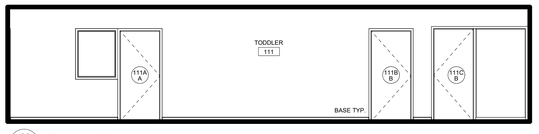
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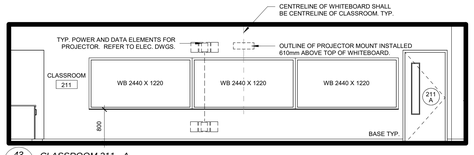
43 A18 CLASSROOM 211 - A
SCALE: 1 : 50

ABBREVIATION LEGEND

A	ACTIVE LEAF
AFF	ABOVE FINISHED FLOOR
BD	BOARD
B/F	BARRIER FREE
BFP	BARRIER FREE PUSH BUTTON
BFPL	BARRIER FREE PUSH BUTTON LOCK
BFS	BOTTLE FILLER STATION
BH	BREAK-AWAY HOOK
BL	BARRIER FREE LOCKER
BV	BRICK VENT
CJ	CONTROL JOINT
CH	CABINET HEATER (RECESSED)
CHSM	CABINET HEATER (SURFACE MTD)
CHSR	CABINET HEATER (SEMI-RECESSED)
CHT	CHANGE TABLE STATION REFER TO SPEC
CONT.	CONTINUOUS
CR+S	COAT RACK AND SHELF. REFER TO SPEC
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
EWS	EYE WASH SINK
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FR	FRIDGE
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
GALV	GALVANIZED
GYP	GYPSUM BOARD
GB	GRAB BAR
GBB	GYPSUM BOARD BULKHEAD
GBL	GRAB BAR "L" SHAPE
GBF	GRAB BAR "FOLDING"
GM	GAS METER
HB	HOSE BIB
HD	HAND DRYER
HDs	HAND DRYER WITH SHROUD
HOSE	HOSE FOR FIRESTOP
HORZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
HWT	HOT WATER TANK
JS	JANITORIAL SHELF
LF	LIGHT FIXTURE
M	MIRROR
ML	MIRROR LONG
MCP	MODULAR CONTROL PANEL
MR	METAL RACKING
MS	MOP SINK
NIC	NOT IN CONTRACT
NFHB	NON FREEZE HOSE BIB. REF. DIV 15
PAS	PUBLIC ANNOUNCEMENT SYSTEM (NIC)
PB	PROGRAM BELL
PTD	PAPER TOWEL DISPENSER
PTW	PAPER TOWEL + WASTE RECEPTACLE
RD	ROOF DRAIN
RF	REFRIGERATOR
RM	REMOVABLE HARDWARE MULLION
RS	ROLLER SHADE. REFER TO SPECS
RWL	RAIN WATER LEADER
SD	SOAP DISPENSER
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
SR+C	SHOWER ROD + CURTAIN
SWR	SEMI-RECESSED WASTE RECEPTACLE
TEC	TECTUM ACOUSTIC PANELS
TB	TACKBOARD
TD	TOILET PAPER DISPENSER
TM	TILT MIRROR
VFS	VERTICAL FIRESTOP
WB	WHITEBOARD
WD	WASHER/DRYER NIC
WM	WIREMOLD
WR	WASHROOM

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
1	ISSUED FOR BUILDING PERMIT	250725

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 ARCHITECT PRIOR TO COMMENCEMENT OF WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
6003
CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

INTERIOR ELEVATIONS & ENLARGED WASHROOM PLANS - ADDITION

HOSSACK ARCHITECTURE

155 - 1939 IRONOAK WAY
OAKVILLE, ON L6H 3V5
(905) 815-0284 admin@hossackarch.com

SCALE 1 : 50	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A18
CHECKED PL/JK	
PRINT DATE	11/18/2025 4:43:06 PM
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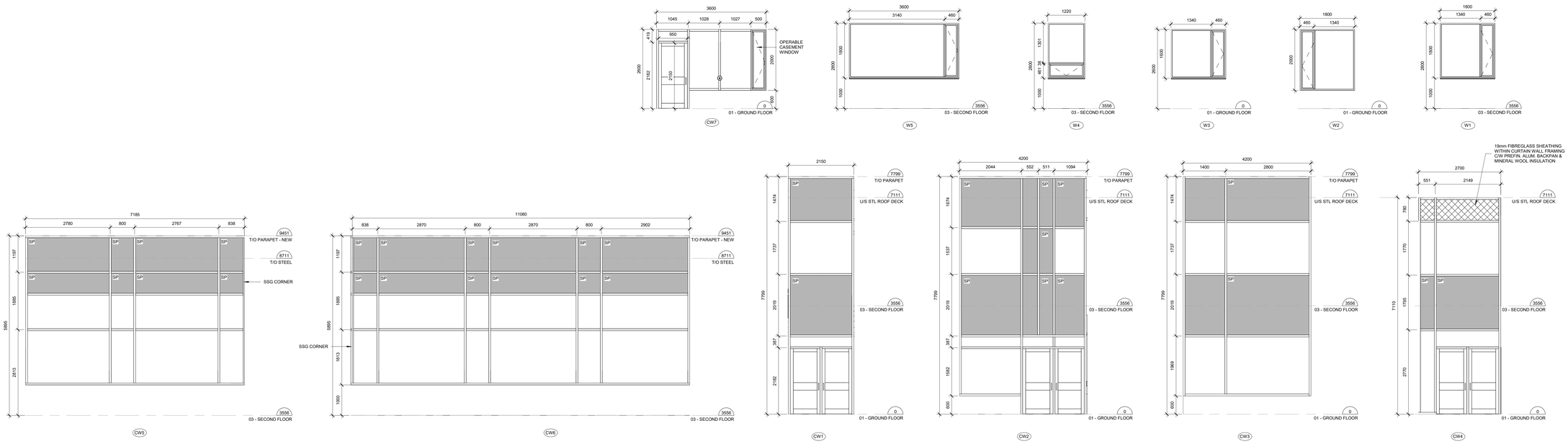

NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	251120
2	RE-ISSUED FOR BUILDING PERMIT	250908
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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADOUCEUR
LICENCE
6053

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

CURTAIN WALLS, ALUMINUM SCREENS & WINDOWS SCHEDULE

HOSSACK ARCHITECTURE

105 - 1939 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 715-0204 admin@hossackarch.com

SCALE 1 : 50	PROJECT 24114
DATE November 2025	
DRAWN JA/TC	DRAWING A19
CHECKED PL/JK	
PRINT DATE	11/18/2025 4:43:47 PM
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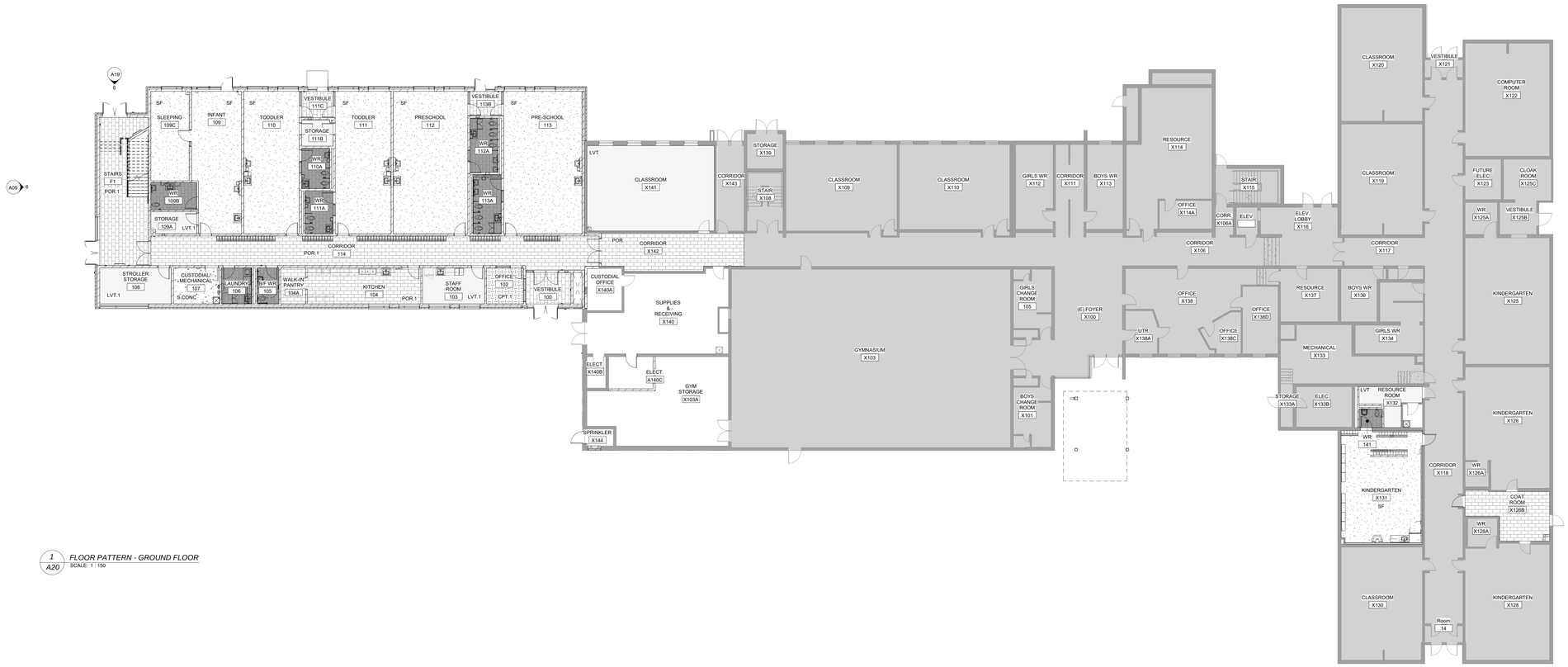
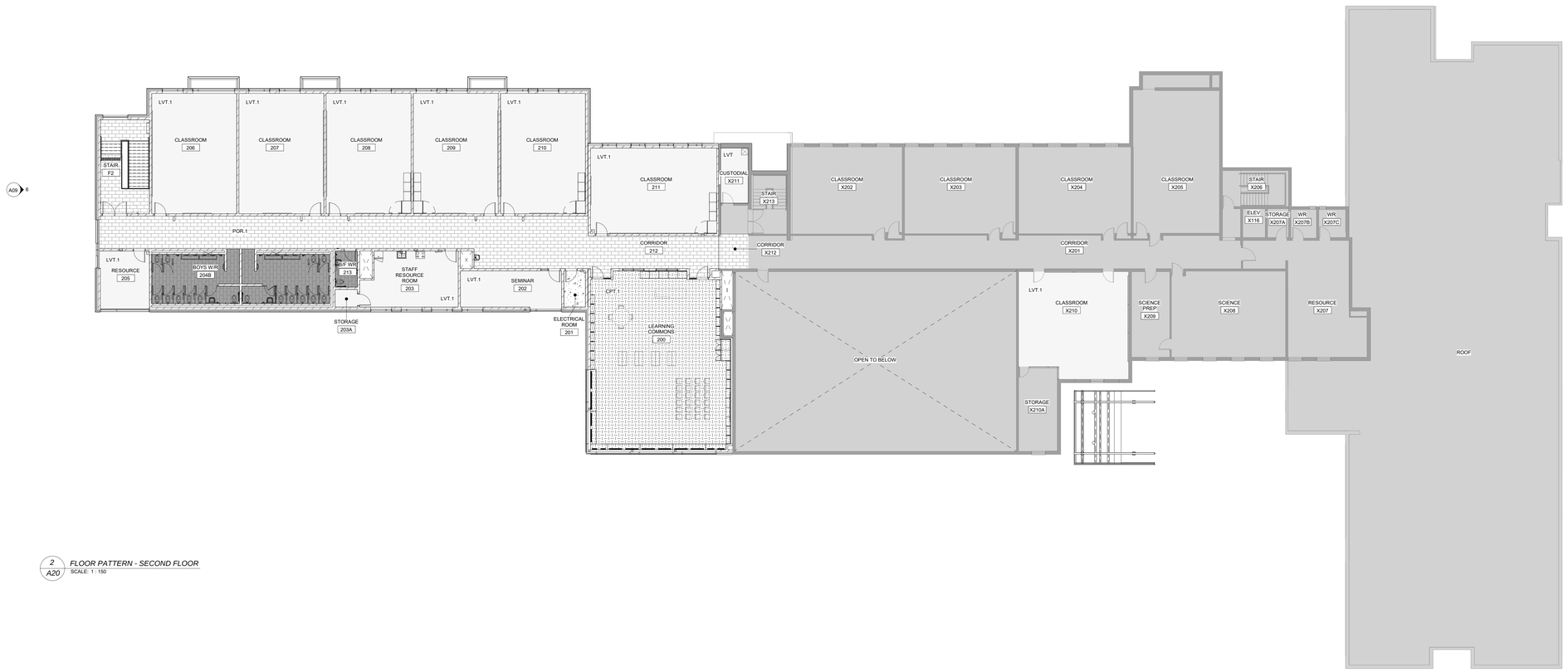


1 A20 FLOOR PATTERN - GROUND FLOOR
SCALE: 1 : 150



2 A20 FLOOR PATTERN - SECOND FLOOR
SCALE: 1 : 150

LEGEND

REFER TO SPECIFICATIONS AND ROOM FINISH SCHEDULE. ROOMS NOT ILLUSTRATED ON THIS PLAN HAVE NO PATTERN.

SHEET FLOORING
- SF

PORCELAIN TILE
- POR.1
- POR.2
- POR.3

CARPET
- CPT.1
- CPT.2

LUXURY VINYL TILE
- LVT.1
- LVT.2

SPORTS FLOORING
- SF-SP

MOSAIC FLOOR TILE
- CMT.1

SEALED CONCRETE
- CJ - CONTROL JOINT

TERRAZZO FLOORING
- CJ - CONTROL JOINT

NO.	DESCRIPTION	DATE
3	ISSUED FOR BUILDING PERMIT	251120
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ONTARIO ASSOCIATION OF ARCHITECTS
NOV. 18/25
PRISCILLA LADUCEUR
LICENCE 6053
CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ELEMENTARY SCHOOL RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

FLOOR PATTERN PLANS

HOSSACK ARCHITECTURE
105 - 1939 IRONDAK WAY
BURLINGTON, ON L7P 0X9
(905)315-5354 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2025	
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CHECKED: PLJK	
PRINT DATE	11/18/2025 4:44:12 PM
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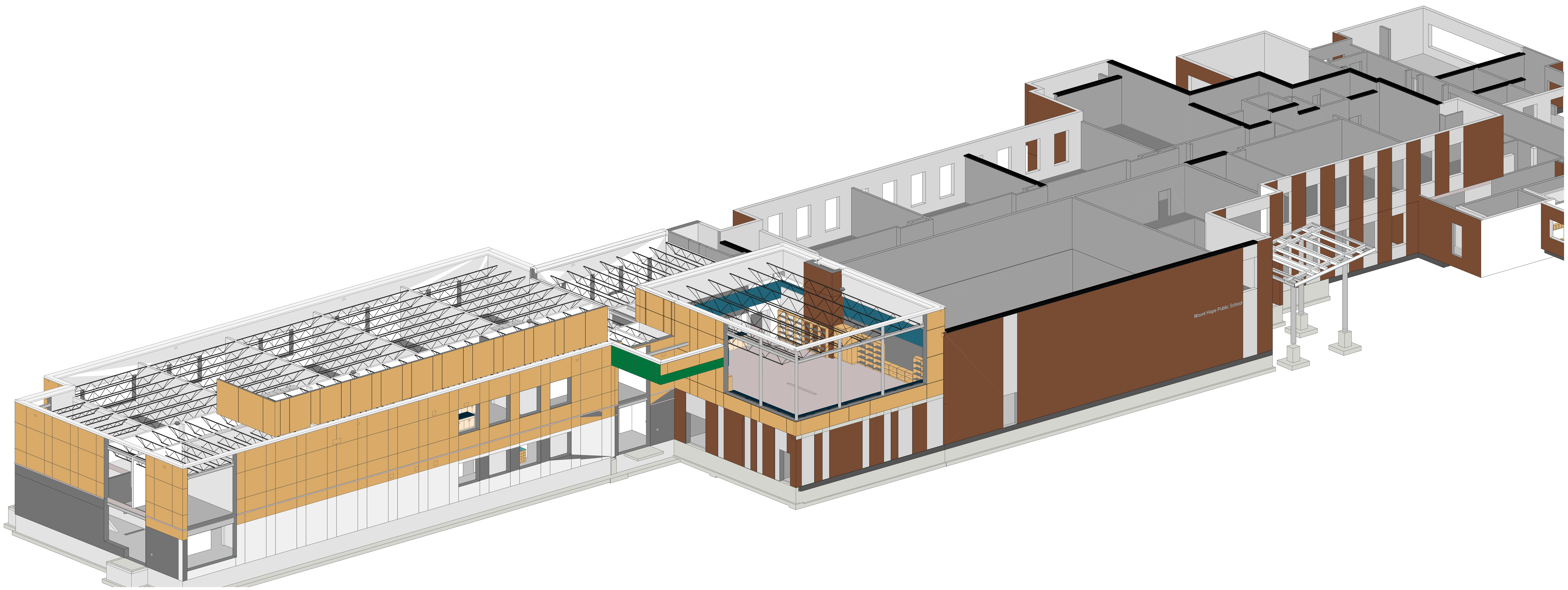


LOAD SUMMARY

DESIGN STANDARDS

- ONTARIO BUILDING CODE, 2024, PART 4: STRUCTURAL DESIGN
- CAN/CSA-A23.3:19, DESIGN OF CONCRETE STRUCTURES
- CAN/CSA-A23.4-16, DESIGN OF PRECAST CONCRETE STRUCTURES
- CAN/CSA-S304.1-14, MASONRY DESIGN FOR BUILDINGS
- CAN/CSA-S16-19, LIMIT STATES DESIGN OF STEEL STRUCTURES
- CAN/CSA-S136-16, DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
- CAN/CSA-086:16, ENGINEERING DESIGN IN WOOD

SNOW, ICE AND RAIN LOADS

APPLIED PER OBC, PART 4, SECTION 4.1.6

- IMPORTANCE FACTOR, Is	0.9 (SLS) 1.15 (ULS)
- GROUND SNOW LOAD, Ss	1.5 kPa
- ASSOCIATED RAIN LOAD, Sr,	0.4 kPa
- WIND EXPOSURE FACTOR, Cw,	1.0
- ROOF SNOW LOAD, S,	1.84 kPa

- DRIFT LOADS PER CLAUSE 4.1.6.2.8
- SLOPE FACTORS PER CLAUSE 4.1.6.2.(5) TO (7)

WIND LOADS

APPLIED PER OBC, PART 4, SECTION 4.1.7
- IMPORTANCE FACTOR, Iw 1.0 (SLS) 1.0 (ULS)
- REFERENCE VELOCITY PRESSURE FOR STRUCTURAL MEMBERS
0.46 kPa 1/50 YEAR PROBABILITY (9.6 PSF)
- REFERENCE VELOCITY PRESSURE FOR CLADDING & NON-STRUCTURAL MEMBERS
0.34 kPa 1/10 YEAR PROBABILITY (7.11 PSF)
- GUST FACTORS Cg:
2.0 FOR WHOLE & MAIN STRUCTURAL MEMBERS
2.5 FOR SMALL ELEMENTS INCLUDING CLADDING
2.0 FOR INTERNAL PRESSURES
- BUILDING INTERNAL PRESSURE CATEGORY 2 PER NBC 2010 STRUCTURAL COMMENTARY (PART B), COMMENTARY B.
- ROOFS SHALL BE DESIGNED FOR AN UNFACTORED UPLIFT LOAD OF 1.10 kPa ROOFS WITHING 2m OF THE BUILDING EDGE SHALL BE DESIGNED FOR UNFACTORED UPLIFT LOAD OF 1.42 kPa

SEISMIC LOADS

APPLIED PER OBC, PART 4, SECTION 4.1.8
- IMPORTANCE FACTOR, I_E 1.3 (ULS)

Sa (0.2) 0.375
Sa (0.5) 0.308
Sa (1.0) 0.174
Sa (2.0) 0.08
PGA 0.236
SOIL CLASS D
PGV = 0.2
Ta = 0.23s
Rd = 1.5
Ro = 1.5
Mv = 1
SEISMIC CATEGORY = SC3
V (ADDITION BASE SHEAR) = 3499 kN

FLOOR LOADS

APPLIED PER OBC, PART 4, TABLE 4.1.5.3

- CLASSROOMS	2.4KPa (50.0 PSF)
- WASHROOMS	2.4KPa (50.0 PSF)
- CORRIDORS	4.8KPa (100.0 PSF)
- STAIRS	4.8KPa (100.0 PSF)
- MECH ROOM	3.6 KPa (75.0 PSF)
-GROUND FLOOR	4.8KPa (100.0 PSF)

SEISMIC SWAY BRACING

ARTICLE 4.1.8.18(2) OF THE ONTARIO BUILDING CODE STATES THAT FOR BUILDING IN SEISMIC CATEGORY SC1 OR SC2, THERE IS NO NEED TO APPLY THE LATERAL FORCE (Vp) TO ALL ELEMENTS AND COMPOMENTS AND SWAY BRACINGS IS NOT REQUIRED. THIS EXEMPTION IS NOT APPLICABLE TO POST-DISASTER BUILDINGS, SEISMICALLY ISOLATED BUILDINGS, AND BUILDINGS WITH SUPLEMENTAL ENERGY DISSIPATION SYSTEMS.

TABLE 4.1.8.5.-B OF THE ONTARIO BUILDING CODE STATE THE FOLLOWING:

-BUILDINGS WHERE THE PRODUCT OF IE * S(0.2) IS LESS THAN 0.2, AND THE PRODUCT OF IE * S(1.0) IS LESS THAN 0.1 CAN BE ASSIGNED A SEISMIC CATEGORY SC1.

-BUILDINGS WHERE THE PRODUCT OF IE * S(0.2) IS MORE OR EQUAL TO 0.2 BUT LESS THAN 0.35, AND THE PRODUCT OF IE * S(1.0) IS MORE OR EQUAL TO 0.1 BUT LESS THAT 0.2 CAN BE ASSIGNED A SEISMIC CATEGORY SC2.

-BUILDINGS WHERE THE PRODUCT OF IE * S(0.2) IS MORE OR EQUAL TO 0.35 BUT LESS OR EQUAL TO 0.75, AND THE PRODUCT OF IE * S(1.0) IS MORE OR EQUAL TO 0.2 BUT LESS OR EQUAL TO 0.3 CAN BE ASSIGNED A SEISMIC CATEGORY SC3.

-BUILDINGS WHERE THE PRODUCT OF IE * S(0.2) IS MORE THAN 0.75, AND THE PRODUCT OF IE * S(1.0) IS MORE THAN 0.3, CAN BE ASSIGNED A SEISMIC CATEGORY SC4.

BASED ON THE ABOVE NOTED VALUES, THE PRODUCT OF IE * S(0.2) = 1.3 * 0.375 = 0.488 AND THE PRODUCT OF IE * S(1.0) = 1.3 * 0.174 = 0.226. GIVEN IE * S(0.2) IS HIGHER THAN 0.35 BUT LESS THAN 0.75 AND IE * S(1.0) IS HIGHER THAN 0.2 BUT LESS THAN 0.3, THIS BUILDING HAS A SEISMIC CATHEGORY SC3 THEREFORE THE APPLICATION OF THE LATERAL FORCE (Vp) TO ALL ELEMENTS AND COMPOMENTS AND SWAY BRACINGS IS REQUIRED.

REQUIREMENTS FOR LOAD RESTRICTIONS OUTLINED IN FIRE RESISTANCE RATINGS -CAN/ULC-S101 CERTIFIED FOR CANADA AND THE ULJ957 HAVE BEEN ACCOUNTED FOR STRUCTURAL DESIGN

CONCRETE NOTES

1. ALL STRUCTURAL CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.3. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.1.

2. MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE:

- FOOTINGS	- 25 MPa TYPE N
- FOUNDATION WALLS	- 25 MPa TYPE F2
- PIERS	- 25 MPa TYPE F2
- INTERIOR SLAB-ON-GRADE	- 25 MPa TYPE N
- CONCRETE TOPPINGS	- 25 MPa TYPE N
MAXIMUM AGGREGATE SIZE	- 14mm (9/16")
- RETAINING WALLS	- 35 MPa TYPE C1
- EXTERIOR SLAB ON GRADE	- 32 MPa TYPE C2
- LEAN MIX	- 10 MPa TYPE N

SLUMP SHALL BE 75mm ± 25mm (3" ± 1") U.N.O.
AGGREGATE SHALL BE 19mm (3/4") MAXIMUM U.N.O.
CONTRACTOR TO SUBMIT CONCRETE MIX DESIGN FOR REVIEW.

3. THE DEFORMED REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.18 GRADE 300R FOR STIRRUPS AND TIES AND GRADE 400R FOR ALL OTHER REINFORCING. ALL REINFORCING HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A23.1. THE REINFORCING LAP LENGTH SHALL BE 'CLASS B' FOR SPLICES UNLESS NOTED OTHERWISE. TYPICAL SPLICE LENGTHS SHALL BE AS FOLLOWS:
   - 10M BARS: 450 mm (18")
   - 15M BARS: 600 mm (24")
   - 20M BARS: 750 mm (30")
   - 25M BARS: 900 mm (36")

4. WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH CSA G30.18. ALL MESH SHALL BE CHAIRED PRIOR TO POURING CONCRETE. LIFTING OF THE MESH DURING THE CONCRETE POUR WILL NOT BE PERMITTED. ALL SPLICES SHALL BE A MINIMUM OF TWO CROSSWIRE SPACINGS PLUS 50mm (2").

5. THE REINFORCING COVER FOR CONCRETE SHALL BE:
   - 75mm (3") FOR CONCRETE AGAINST EARTH
   - 40mm (1-1/2") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER WHERE THE REINFORCING BAR IS 15M OR SMALLER
   - 50mm (2") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER WHERE THE REINFORCING BAR IS 20M OR LARGER
   - 25mm (1") FOR INTERIOR CONCRETE.

   ALL CHAIRS, BOLSTERS, SPACERS AND BAR SUPPORTS SHALL BE IN ACCORDANCE WITH CSA A23.1.

7. CONSTRUCT CONCRETE WALLS WITHOUT CONTROL JOINTS UNLESS NOTED OTHERWISE. PROVIDE CHASES AND BEAM POCKETS IN THE INTERIOR FACE OF CONCRETE WALLS AS REQUIRED.

8. PROVIDE DOWELS FOR WALLS AND COLUMNS TO SUIT THE REINFORCING IN THE WALL OR COLUMN ABOVE.

9. CONCRETE TOPPING DEPTH ON STEEL DECK SHALL BE A MINMUM OF 64mm (2 ½") FROM TOP OF DECK AND REINFORCED WITH 152X152 MW18.7/18.7 (6X6 W1.7/W1.7) WELDED WIRE FABRIC. CONFIRM WELDED WIRE FABRIC SIZE WITH REQUIRED ULC FIRE RATING ASEMBLY AS SPECIFIED BY THE ARCHITECT.

10. A STEEL TROWEL FINISH SHALL BE PROVIDED FOR ALL INTERIOR SLABS UNLESS NOTED OTHERWISE. A BROOM FINISH SHALL BE PROVIDED FOR ALL EXTERIOR SLABS UNLESS NOTED OTHERWISE.

11. CONCRETE SCREEDING SHALL BE PROVIDED FOR ALL FOOTING, PIER, WALL, COLUMN, AND SLAB POURS.

12. CONCRETE SHALL BE PROTECTED AGAINST ADVERSE WEATHER CONDITIONS INCLUDING, BUT NOT LIMITED TO, HIGH WINDS, PRECIPITATION, FREEZING, ABNORMALLY HIGH TEMPERATURES OR TEMPERATURE DIFFERENTIALS, PREMATURE DRYING, AND MOISTURE LOSS IN ACCORDANCE WITH THE REQUIREMENTS OF CAN/CSA A23.1.

13. WHEN THE AIR TEMPERATURE IS AT OR ABOVE 27 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE RISING TO 27 °C DURING THE PLACING PERIOD, FACILITIES SHALL BE PROVIDED FOR PROTECTION OF THE CONCRETE IN PLACE FROM THE EFFECTS OF HOT AND/OR DRYING WEATHER CONDITIONS FOR THE DURATION OF THE REQUIRED CURING PERIOD. THE REQUIRED CURING PERIOD SHALL BE DETERMINED IN ACCORDANCE WITH CSA A23.1.

14. WHEN THE AIR TEMPERATURE IS AT OR BELOW 5 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE FALLING BELOW 5 °C WITHIN 24H OF PLACING, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE DURATION OF THE REQUIRED CURING PERIOD. THE REQUIRED CURING PERIOD SHALL BE DETERMINED IN ACCORDANCE WITH CSA A23.1. PROTECTION SHALL BE BY MEANS OF HEATED ENCLOSURES, COVERINGS, INSULATION, OR A SUITABLE COMBINATION OF THESE METHODS.

OWSJ NOTES

1. ALL OPEN WEB STEEL JOISTS SHALL BE DESIGNED AND ERECTED IN ACCORDANCE WITH CAN/CSA S16-19. JOISTS ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER TO CARRY THE LOADS AT THE SPANS AND SPACINGS NOTED ON THE DRAWINGS AND IN ACCORDANCE WITH PART 4 OF THE ONTARIO BUILDING CODE. DETAILS AND DESIGNS INCLUDING BRIDGING REQUIREMENTS ARE TO CONFORM TO CAN/CSA S19.
2. ALL WELDING OF JOISTS AND ASSOCIATED COMPONENTS SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W59. THE STEEL FABRICATOR AND INSTALLER SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS OF THE CANADIAN WELDING BUREAU (CWB) IN CONFORMANCE WITH CAN/CSA W47.1.
3. PROVIDE TIE JOISTS AT ALL COLUMN LOCATIONS.
4. JOIST DEFLECTION FOR ROOF JOISTS SHALL BE LIMITED TO L/300 U.N.O. AND SHALL BE CALCULATED USING SPECIFIED LOADS UNLESS NOTED OTHERWISE.
5. JOIST DEFLECTION FOR FLOOR JOISTS SHALL BE LIMITED TO L/360 U.N.O. AND SHALL BE CALCULATED USING SPECIFIED LOADS UNLESS NOTED OTHERWISE.
6. PROVIDE 100mm (4") DEEP JOIST SHOES U.N.O. FOR ALL JOISTS.
7. JOIST SHOES SHALL BE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 1.1 MPa (160 psi) ON MASONRY WALLS.
8. NO DRILLING, CUTTING, OR WELDING OF JOISTS OR BRIDGING IS PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER AND THE JOIST DESIGNER.
9. ALL JOISTS SHALL BE WELDED TO SUPPORTING MEMBERS AND BEARING PLATES.
10. PROVIDE MINIMUM 175x175x12mm (7x7x1/2 ") BEARING PLATES C/W TWO 16mm (5/8") DIAMETER 400mm (16") LONG ANCHOR RODS WITH 50mm (2") BENT HOOKS FOR ALL JOISTS BEARING ON MASONRY.

GENERAL NOTES

1. CHECK ALL DIMENSIONS ON THESE DRAWINGS WITH ALL OTHER DRAWINGS, INCLUDING BUT NOT LIMITED TO, DRAWINGS PREPARED BY ARCHITECTURAL, MECHANICAL OR ELECTRICAL CONSULTANTS. REPORT ANY INCONSISTENCIES TO THE ENGINEER PRIOR TO COMMENCING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
2. THE DESIGN LIVE LOADS ARE INDICATED ON THE DRAWINGS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LIVE LOADS.
3. THE COMPLETED STRUCTURE IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING AND ANY OTHER TEMPORARY OR PERMANENT MEASURES AS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT OF EXISTING OR ADJACENT STRUCTURES AS REQUIRED. ALL BRACING AND SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
4. CONSTRUCTION FEATURES NOT FULLY SHOWN ARE COMPARABLE TO SIMILAR CONDITION DETAILS.
5. REFER TO OTHER CONSULTANT DRAWINGS FOR DETAILS OF OPENINGS, PITS, CHAMFERS, AND DEPRESSIONS NOT INDICATED ON THE STRUCTURAL DRAWINGS.
6. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST ONTARIO BUILDING CODE, LATEST APPLICABLE REGULATIONS, AND GOOD CONSTRUCTION PRACTICES.
7. THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
8. CLARIFY ANY QUERIES WITH THE ENGINEER REGARDING THE INTERPRETATION OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF ANY WORK.
9. KALOS ENGINEERING INC. PROVIDES GENERAL CONFORMANCE REVIEW ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. THIS REVIEW IS A PERIODIC REVIEW TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY KALOS ENGINEERING INC. THE CONTRACTOR SHALL COORDINATE FIELD REVIEWS WITH KALOS ENGINEERING INC. PRIOR TO CONCEALING THE STRUCTURAL COMPOMENTS AS SHOWN ON THESE DRAWINGS. PROVIDE 48 HOURS ADVANCE NOTICE OF EACH REQUIRED FIELD REVIEW. REVIEW BY KALOS ENGINEERING INC. DOES NOT MAKE US GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
10. THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION" IN THE REVISIONS COLUMN BY KALOS ENGINEERING INC. THE DRAWINGS SHALL NOT BE USED FOR TENDER UNLESS SO INDICATED IN THE REVISION COLUMN.
11. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PRECISE LOCATIONS AND ASSEMBLY TYPES OF REQUIRED FIRE RESISTANCE RATINGS. ALL ENGINEERED PRODUCTS SHALL ACCOUNT FOR APPLICABLE LOAD-RESTRICTED ASSEMBLIES.
12. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS OR ELEMENTS WITHOUT WRITTEN CONSENT OF KALOS ENGINEERING INC.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL ELEMENTS, INCLUDING DESIGN OF ELEMENTS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA S16.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (300W) EXCEPT W SECTIONS AND PLATES G40.21 (350W), HSS MEMBERS G40.21 (350W) CLASS C OR ASTM A500 GRADE C, ANCHOR BOLTS ASTM F1554 (GR 36 or GR 55), COLD FORM SECTIONS ASTM A570M GRADE 350W.
3. ALL SECTIONS SHALL BE PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CAN/CGSB 85.10 UNLESS NOTED OTHERWISE. ALL STEEL EXPOSED TO THE EXTERIOR TO BE HOT DIP GALVANIZED. SECTIONS TO RECEIVE SPRAY FIREPROOFING SHALL BE LEFT UNPRIMED. COORDINATE WITH THE ARCHITECTURAL DRAWINGS.
4. ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W59. THE STEEL FABRICATOR SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS BY THE CANADIAN WELDING BUREAU IN CONFORMANCE WITH CAN/CSA W47.1.
5. DESIGN ALL MOMENT AND SHEAR CONNECTIONS FOR THE FULL CAPACITY OF THE SMALLER MEMBER IN THE CONNECTION UNLESS OTHERWISE NOTED. MOMENT CONNECTIONS SHALL BE PROVIDED FOR MAJOR AND MINOR AXIS BENDING WHERE NOTED. THE STEEL CONTRACTOR SHALL PROVIDE LOCAL REINFORCING OF MEMBERS AS REQUIRED FOR CONNECTION FORCES AS PART OF THE CONNECTION DESIGN.
6. PROVIDE MINIMUM BEARING LENGTH OF STEEL MEMBERS AS FOLLOWS:
   - ON MASONRY - 150mm (6")
   - ON STEEL - 100mm (4")
   - ON BEARING PLATES - FULL LENGTH OF BEARING PLATE.
7. THE BASE PLATE AND BEARING PLATE GROUT SHALL BE OF THE CEMENTITIOUS NON-SHRINK TYPE AND SHALL BE A MINIMUM OF 25mm (1 ") THICK WITH A COMPRESSION STRENGTH OF 50 MPa AT 28 DAYS.
8. FULLY WELD BASE PLATES TO COLUMNS AND PROVIDE MINIMUM 6mm (1/4 ") THICK CAP PLATES ON ALL COLUMNS.
9. PROVIDE MINIMUM 175x175x12mm (7"x7"x1/2 ") BEARING PLATES FOR ALL STRUCTURAL STEEL c/w 2-16mm (5/8") Ø ANCHORS, 400mm (16") LONG WITH 50mm (2") BENT HOOKS UNLESS NOTED OTHERWISE.
10. ALL BOLTS SHALL BE TIGHTENED WITH A SUITABLE TORQUE WRENCH IN ACCORDANCE WITH CSA S16.
11. ERECT STRUCTURAL STEEL IN ACCORDANCE WITH CSA S16 AND IN CONFORMANCE WITH THE REVIEWED SHOP DRAWINGS.
12. THE STRUCTURAL STEEL CONTRACTOR SHALL SUPPLY ALL LINTELS OVER DOORS, WINDOWS, DUCT AND PIPE PENETRATIONS, AND ALL BEARING PLATES, ANCHOR BOLTS, WALL ANCHORS, SILL ANGLES, TRIMMER ANGLES, AND MASONRY CLIPS ON COLUMNS LOCATED WITHIN MASONRY WALLS.
13. THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY SHORING OF ALL FLUSH BEAMS. SHORING SHALL REMAIN IN PLACE UNTIL FLUSH BEAM GROUT HAS FULLY CURED.
14. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COORDINATING THE STRUCTURAL STEEL SUBMITTALS WITH WORK IN OTHER SPECIFICATION SECTIONS INCLUDING, BUT NOT LIMITED TO, PRECAST, DELTABEAMS, METAL DECK, GLULAMS, CLT, WOOD FRAMING, AND OWSJ.

MASONRY NOTES

1. ALL STRUCTURAL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD S304.1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD A371 AND ALL MASONRY CONNECTORS, REINFORCING, AND TYING SHALL BE IN ACCORDANCE WITH CSA A370. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH A179.
2. ALL CONCRETE BLOCKS SHALL BE NORMAL WEIGHT TYPE H/15/A/M UNLESS NOTED OTHERWISE. MORTAR SHALL BE TYPE S FOR LOADBEARING MASONRY AND TYPE N FOR NON-LOADBEARING MASONRY.
3. GROUT SHALL CONSIST OF ONE PART PORTLAND CEMENT AND THREE PARTS SAND (MAXIMUM AGGREGATE SIZE SHALL BE 14mm (9/16") WITH WATER TO PROVIDE A MINIMUM 10MPa COMPRESSIVE STRENGTH AT 28 DAYS. SLUMP SHALL BE 200mm to 250mm (8" TO 10").
4. GROUTING:
   a. ALL CELLS CONTAINING REINFORCING SHALL BE GROUTED SOLID.
   b. ALL MASONRY BELOW BEARING PLATES SHALL BE GROUTED SOLID FULL-HEIGHT.
   c. ALL BELOW-GRADE MASONRY SHALL BE GROUTED SOLID.
   d.BOND BEAMS SHALL BE GROUTED SOLID.
   e. GROUT TWO COURSES SOLID AT EACH FLOOR LEVEL TO ACCOMMODATE LEDGER BOARDS.
5. REINFORCING:
   a. PROVIDE VERTICAL REINFORCING AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   - 140mm (6") CONCRETE BLOCK - 10M VERTICAL AT 600mm (24") O.C.
   - 190mm (8") CONCRETE BLOCK - 15M VERTICAL AT 800mm (32") O.C.
   - 240mm (10") CONCRETE BLOCK - 20M VERTICAL AT 600mm (24") O.C.
   - 290mm (12") CONCRETE BLOCK - 20M VERTICAL AT 600mm (24") O.C.

   b. TRIM ALL OPENINGS WITH TWO VERTICAL BARS ON EACH SIDE OF OPENING. BARS SHALL BE PLACED IN THE FIRST TWO CORES ON EACH SIDE OF THE OPENING AND THE BAR SIZE SHALL MATCH THE WALL REINFORCING UNLESS NOTED OTHERWISE.

   c. PROVIDE FULL-HEIGHT VERTICAL BARS IN ALL CORES BENEATH BEARING PLATES. THE BAR SIZE SHALL MATCH THE WALL REINFORCING.
   d. HORIZONTAL REINFORCING SHALL BE GALVANIZED HEAVY-DUTY LADDER TYPE IN EVERY SECOND COURSE UNLESS NOTED OTHERWISE ON THE DRAWINGS.

   e. DO NOT EXTEND HORIZONTAL REINFORCING THROUGH CONTROL JOINTS UNLESS OTHERWISE NOTED.
6. FOUNDATION WALL HEIGHTS AND COURSING SHALL BE BASED ON THE UNDERSIDE OF FOOTING ELEVATION, THE FOOTING THICKNESS, AND THE GROUND FLOOR FINISHED FLOOR ELEVATION. THIS SHALL BE SUPERSEDED WHERE A TOP OF FOOTING ELEVATION IS SPECIFIED. DO NOT COUNT THE COURSING IN THE FOUNDATION SECTIONS.
7. PROVIDE A 400mm (16") HIGH BOND BEAM REINFORCED WITH 2-20M BARS IN LOAD-BEARING WALLS BENEATH PRECAST SLABS.
8. PROVIDE STEEL LINTELS OVER ALL OPENINGS AND RECESSES INCLUDING OPENINGS FOR MECHANICAL AND ELECTRICAL COMPONENTS. REFER TO THE LINTEL SCHEDULE ON DRAWING SXX FOR DETAILS. ALL EXTERIOR LINTELS TO BE HOT DIP GALVANIZED.
9. PROVIDE BEARING PLATES BENEATH ALL BEAMS, JOISTS, AND BEAM LINTELS AND GROUT THE PLATE INTO THE WALL. REFER TO THE BEARING PLATE SCHEDULE ON DRAWING SXX FOR DETAILS.
10. BUILD THE MASONRY SOLID AROUND ALL BEAM, LINTEL, AND JOIST POCKETS. LOOSE INFILL BLOCKS IN ABOVE-CEILING SPACES ARE NOT PERMITTED.
11. ALL MORTAR JOINTS SHALL BE TOOLED TO PROVIDE A CONCAVE PROFILE UNLESS NOTED OTHERWISE.
12. MORTAR JOINTS SHALL BE 10mm (3/8") THICK. STARTING BED JOINTS ON NON-MASONRY ELEMENTS SHALL BE FROM 6mm (1/4") TO A MAXIMUM OF 19mm (3/4") EXCEPT FOR MASONRY VENEER BUILT ON SHELF ANGLES OR LINTELS WHERE THE THICKNESS SHALL BE FROM 0mm TO 13mm (1/2 ").
13. VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 6m (20'-0"). REFER TO ARCHITECTURAL DRAWING FOR DETAILS AND LOCATIONS.
14. THE MASONRY SHALL BE CONSTRUCTED EVENLY WITH MAXIMUM LIFTS OF 1200mm (48") PER DAY. DO NOT TOOTH AND BOND OR STACK BOND MASONRY. RAKE BACK ENDS OF UNFINISHED WALLS.
15. PROVIDE TEMPORARY BRACING AS REQUIRED TO SUPPORT THE MASONRY WALLS DURING CONSTRUCTION.
16. PROTECT MASONRY WALLS FROM THE ELEMENTS AT ALL TIMES IN ACCORDANCE WITH CSA A371. COLD WEATHER PROTECTION IS REQUIRED BELOW 4°C AND HOT WEATHER PROTECTION IS REQUIRED ABOVE 32°C. ALL BLOCK, BRICK, AND MORTAR AND GROUT COMPONENTS SHALL BE PROTECTED AGAINST PRECIPITATION.
17. A WEATHERPROOF MEMBRANE SHALL BE PROVIDED OVER OPEN BLOCK CORES TO PREVENT THE INGRESS OF WATER AND SNOW INTO THE CORES. THE MEMBRANE SHALL EXTEND 600mm DOWN BOTH SIDES OF THE MASONRY.
18. MASONRY PARTITIONS OF HOLLOW UNITS SHALL BE LATERALLY SUPPORTED TO STRUCTURAL ELEMENTS AT INTERVALS NOT TO EXCEED 2.1M (7 '-0") C/C MINIMUM.
19. ADJUSTABLE VENEER TIES, WHEN USED, SHALL BE CAPABLE OF DEVELOPING COMPRESSIVE AND TENSILE RESTRAINT BETWEEN WYTHES. MASONRY VENEER TIES SHALL BE SPACED NOT MORE THAN 820mm (2 '-8") HORIZONTALLY AND 600mm (2'-0") VERTICALLY IN ACCORDANCE WITH CSA S304.1.

SUBMITTALS

1. SUBMIT DETAILED SHOP DRAWINGS FOR ALL STRUCTURAL WORK FOR REVIEW BY THE CONSULTANT INCLUDING, BUT NOT LIMITED TO: GROUND IMPROVEMENT, CONCRETE FORMWORK, CONCRETE MIX DESIGN, REINFORCING STEEL, STRUCTURAL STEEL, MISCELLANEOUS METALS, OPEN WEB STEEL JOISTS, STEEL DECK, PRECAST CONCRETE, COLD-FORMED STEEL AND TEMPORARY SHORING.
2. ALL SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
3. THE SCALE OF THE DRAWINGS SHALL BE SUCH THAT THE DETAILS OF THE STRUCTURAL WORK ARE CLEARLY SHOWN, AND IN NO CASE SMALLER THAN 1/4"=1'-0" (1:50).
4. THE STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, FOR USE AS SHOP DRAWINGS.
5. THE CONTRACTOR SHALL ALLOW FOR A 5 WORKING DAY TURN AROUND TIME FOR THE STRUCTURAL CONSULTANT TO REVIEW THE SHOP DRAWINGS.

CALCULATIONS

1. SUBMIT CALCULATIONS, BEARING THE SEAL AND SIGNATURE OF PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO, FOR STRUCTURAL WORK, IF REQUESTED BY THE CONSULTANT.

PRECAST CONCRETE SLAB NOTES

1. ALL PRECAST CONCRETE SHALL BE DESIGNED IN ACCORDANCE WITH CSA A23.3 AND SHALL BE CONSTRUCTED AND INSTALLED PER CSA A23.1 AND CSA A23.4. ALL PRECAST CONCRETE SHALL BE DESIGNED BY AN ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
2. PRECAST CONCRETE SHALL BE DESIGNED TO RESIST THE LOADS NOTED ON THE DRAWINGS. REFER TO SHEET S### FOR DIAPHRAGM LOADS AND REQUIREMENTS.
3. PRECAST SLAB LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360 FOR FLOORS AND L/300 FOR ROOFS.
4. A RAKED FINISH SHALL BE PROVIDED ON ALL SLABS WHERE A TOPPING IS TO BE PROVIDED. A SMOOTH FINISH SHALL BE PROVIDED ON ALL ROOF SLABS.
5. DIFFERENTIAL CAMBER SHALL BE LIMITED SUCH THAT THE APPLICATION OF THE SPECIFIED FLOOR OR ROOF FINISHES IS NOT NEGATIVELY AFFECTED. A CEMENTITIOUS SKIM COAT SHALL BE PROVIDED WHERE REQUIRED TO REDUCE EXCESSIVE DIFFERENTIAL CAMBER.
6. A LATEX MODIFIED BONDING AGENT SHALL BE PROVIDED ON ALL SLABS PRIOR TO THE APPLICATION OF A TOPPING. REFER TO SPECIFICATION SECTION 03 40 00 FOR FURTHER DETAILS.
7. NOTCHES IN SLABS AT COLUMNS SHALL BE INFILLED WITH 25 MPa CONCRETE AND 15M BARS DRILLED AND EPOXIED INTO ADJACENT SLABS.
8. CORE INSULATION SHALL BE PROVIDED BY THE PRECAST MANUFACTURER AT LOCATIONS WHERE CORES ARE TO BE GROUTED SOLID.
9. WRITTEN CONFIRMATION SHALL BE PROVIDED FROM THE PRECAST MANUFACTURER PRIOR TO THE USE OF LIFTS OR HEAVY EQUIPMENT ON PRECAST SLABS.
10. CONSTRUCTION LOADS ON PRECAST SLABS, INCLUDING TEMPORARY STORAGE LOADS, SHALL NOT EXCEED 1 kPa (20 PSF).
11. COORDINATE SITE DRILLED HOLES THROUGH SLABS WITH CONSULTANT DRAWINGS AND CUT OR DRILL HOLES THROUGH SLABS TO ENSURE THAT NO DAMAGE IS CAUSED TO THE SLABS OR REINFORCEMENT.
12. ALL FLUSH BEAMS SHALL BE SHORED PRIOR TO AND DURING PRECAST SLAB PLACEMENT. SHORING SHALL REMAIN IN PLACE UNTIL FLUSH BEAMS ARE FULLY GROUTED AND GROUT HAS CURED.
13. FOR SLOPED SLABS PROVIDE 12mm (1/2 ") NEOPRENE BEARING PADS AT ALL BEARING LOCATIONS. FOR FLAT SLABS PROVIDE 3mm (1/8 ") MASONITE BEARING PADS AT ALL BEARING LOCATIONS.
14. DESIGN SLABS FOR AN UNFACTORED LINE LOAD OF 10 kN/m AT BLOCK PARTITION WALLS AND PROVIDE SOLID SLABS AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
15. SOLID SLABS SHALL BE PROVIDED AS REQUIRED AT THE DISCRETION OF THE PRECASTER TO SUPPORT MECHANICAL UNITS, CANTILEVERS, SIDE CANTILEVERS, DIAHPHRAGM LOADS, POINT LOADS, LINE LOADS, AND ANY OTHER LOADS NOTED ON THE STRUCTURAL DRAWINGS.

TESTING AND INSPECTIONS

1. THIRD-PARTY TESTING AND INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS AND AS NOTED BELOW. TESTING AND INSPECTION REQUIREMENTS NOTED IN THE PROJECT SPECIFICATIONS SHALL SUPERSEDE THE FOLLOWING REQUIREMENTS.
2. TESTING OF THE FOOTING SUBGRADE SHALL BE PROVIDED PRIOR TO ALL CONCRETE POURS TO ENSURE CONFORMANCE WITH THE BEARING CAPACITIES NOTED IN THESE PLANS AND IN THE GEOTECHNICAL REPORT. KALOS ENGINEERING INC. SHALL BE NOTIFIED IMMEDIATELY IF EXCAVATIONS ARE REQUIRED TO EXTEND BELOW THE NOTED FOUNDING ELEVATIONS.
3. CONCRETE REINFORCING SHALL BE INSPECTED FOR CONFORMANCE TO THE STRUCTURAL DRAWINGS PRIOR TO EVERY CONCRETE POUR.
4. COMPRESSION TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH CSA A23.1. A MINIMUM OF ONE STRENGTH TEST SHALL BE COMPLETED FOR EACH 100 m^3 OF CONCRETE PLACED AND A MINIMUM OF ONE TEST PER DAY SHALL BE COMPLETED FOR CONCRETE OF A SINGLE MIX DESIGN. TESTS SHALL CONSIST OF ONE SET OF FOUR CYLINDERS.
5. THE COMPRESSIVE STRENGTH OF CONCRETE BLOCKS SHALL BE TESTED A MINIMUM OF ONCE PER FLOOR IN ACCORDANCE WITH CSA A165.1. A MINIMUM OF FIVE UNITS OF EACH SIZE OF CONCRETE BLOCK SHALL BE TESTED.
6. MORTAR CUBE COMPRESSIVE STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 500 m^2 OF MASONRY FOR A PROJECT HAVING MORE THAN 500 m^2 OF MASONRY AND ONCE FOR EACH 250 m^2 OF MASONRY FOR A PROJECT HAVING LESS THAN 500 m^2 OF MASONRY. FOUR SAMPLES SHALL BE TAKEN FOR EACH TEST.
7. GROUT COMPRESSIVE STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 20 m^3 OF GROUT FOR A PROJECT HAVING MORE THAN 20 m^3 OF GROUT AND ONCE FOR EACH 10 m^3 OF GROUT FOR A PROJECT HAVING LESS THAN 20 m^3 OF GROUT. FOUR SAMPLES SHALL BE TAKEN FOR EACH TEST.
8. STRUCTURAL STEEL INSPECTIONS AND TESTING SHALL BE AS FOLLOWS:
   a. INSPECTIONS SHALL BE PERFORMED BY A FIRM CERTIFIED TO CSA W178.1, EXCEPT THAT VISUAL INSPECTION MAY ALSO BE PERFORMED BY PERSONS CERTIFIED TO LEVEL 2 OR 3 OF CSA W178.2.

   b. INSPECTORS SHALL VERIFY THAT THE ERECTORS ARE CWB CERTIFIED.

   c. CONNECTIONS SHALL BE INSPECTED FOR CONFORMANCE TO THE ENGINEERED DESIGN DETAILS.

   d. BOLTED CONNECTIONS SHALL BE INSPECTED IN ACCORDANCE WITH CSA S16. VERIFICATION OF CONNECTION FIT-UP AND BOLT TENSION SHALL BE PROVIDED.

   e. WELDED CONNECTIONS SHALL BE INSPECTED IN ACCORANCE WITH CSA S16 AND CSA W59. VISUAL INSPECTIONS SHALL BE PROVIDED TO ENSURE PROPER CONNECTION FIT-UP AND REVIEW OF COMPLETED WELDS.

   f. INSPECTION FREQUENCY SHALL BE A MINIMUM OF ONCE PER FLOOR OR ONCE PER ERECTION PHASE.
9. METAL DECK THICKNESS, COATING GRADE, SPOT WELDS, MECHANICAL FASTENERS, AND CRIMPING SHALL BE INSPECTED BY A CERTIFIED INSPECTOR AT LEAST ONCE PER LEVEL.

STAIR FRAMING NOTES

1. THE HANDRAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN O.B.C. DIV. B. ARTICLE 4.1.5.14. & GUARD RAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN ARTICLES 4.1.5.14. & 4.1.5.16. SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER.

LIGHT GAUGE STEEL FRAMING NOTES

GENERAL

1. THESE NOTES APPLY TO THE STEEL STUD FRAMING COMPONENT OF THE EXTERIOR WALL SYSTEM ONLY.
2. THE DESIGN WIND LOADING IS 1.35kN/m² (28.2 PSF) DETERMINED BY O.B.C. REQUIREMENTS AND CAN-S136. DEFLECTION IS LIMITED TO L/360.
3. THE DESIGN OF FRAMING SYSTEM IS BASED ON PUBLISHED STUD SECTION PROPERTIES BY BAILEY METAL PRODUCTS LIMITED.

MATERIAL

1. THE MINIMUM BASE METAL THICKNESS FOR ALL METAL WALL COMPONENTS, EXCLUDING COATINGS ARE NOTED ON THE DRAWINGS.
2. STEEL MEETS THE REQUIREMENTS OF A.S.T.M. A653/A653M SS GRADE 33 (230) FOR 1.22mm MATERIAL AND THINNER, AND SS GRADE 50 (340) CLASS 1 FOR 1.52mm MATERIAL AND THICKER.
3. GALVANIZING TO BE HOT-DIP PROCESS, G90 (Z275).

EXECUTION

1. METHOD OF CONSTRUCTION SHALL BE BY STICK BUILDING ON SITE.
2. CONNECTIONS SHALL BE ACCOMPLISHED BY SELF DRILLING SCREWS AND OTHER FASTENERS AS SHOWN ON THESE DRAWINGS. PENETRATION BEYOND JOINED MATERIALS SHALL BE NOT LESS THAN THREE EXPOSED THREADS. ALL CONNECTORS USED IN ASSEMBLIES SHALL BE OF CORROSION RESISTANT MATERIAL COMPATIBLE WITH GALVANIZED COATINGS WITH A MINIMUM COATING THICKNESS OF 0.039mm ZINC OF CADMIUM PLATES. NO BLACK CONNECTORS WILL BE ACCEPTED. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.
3. SCREWS COVERED BY SHEATHING MATERIALS SHALL HAVE LOW PROFILE HEADS.
4. WIRE TYING IS NOT PERMITTED IN STRUCTURAL APPLICATIONS.
5. CUTTING OF STEEL FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. NO TORCH OR MANUAL CUTTING IS PERMITTED.
6. SPLICING OF STUDS OR TRACK IS NOT PERMITTED EXCEPT AS NOTED ON DRAWINGS.
7. BRIDGING SHALL BE OF SIZE, SPACING AND TYPE SHOWN ON THE DRAWINGS AND SHALL BE INSTALLED SO AS TO PROVIDE RESISTANCE TO MINOR AXIS BENDING AND ROTATION OF STUDS. PROVIDE BRIDGING AT 1200mm c/c MAXIMUM.
8. TEMPORARY BRACING SHALL BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.
9. STUDS SHALL SEAT INTO TOP AND BOTTOM TRACKS WITH THE GAP BETWEEN THE END OF THE STUD AND WEB OF THE TRACK NOT TO EXCEED 3mm.
10. VERTICAL ALIGNMENT (PLUMBNESS) OF STUDS SHALL BE WITHIN 1/1000 OF THE SPAN.
11. HORIZONTAL ALIGNMENT (LEVELNESS) OF WALLS SHALL BE WITHIN 1/1000 OF THEIR RESPECTIVE LENGTHS.
12. SPACING OF STUDS SHALL BE WITHIN 3mm FROM DESIGN SPACING PROVIDED THAT CUMULATIVE ERROR DOES NOT EXCEED THE REQUIREMENTS OF THE FINISHING MATERIALS.

FOUNDATION NOTES

1. FOOTINGS SHALL BEAR ON NATIVE UNDISTURBED SOIL, ENGINEERED FILL AND/OR SOIL STABILIZATION SYSTEM WITH A MINIMUM BEARING RESISTANCE OF:
   - 150 kPa (3000 psf) SLS
   - 225 kPa (4000 psf) ULS
   THE CONTRACTOR SHALL VERIFY THE BEARING CAPACITY WITH A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
   REFER TO GEOTECHNICAL REPORT PREPARED BY SOIL-MAT ENGINEERS & CONSULTANTS LTD. DATED SEPTEMBER 25, 2024 REPORT No.:SM 240669-G
2. THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATION OR STEP-DOWN FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10. STEP HEIGHT SHALL NOT EXCEED 600mm (2'-0").
3. KEEP EXCAVATIONS DRY BEFORE CONCRETE IS PLACED. REMOVE ALL LOOSE MATERIAL, SOFT SOIL, OR WATER PRIOR TO PLACING CONCRETE. PROVIDE A 75mm (3") MUD MAT FOR ALL FOOTINGS BELOW THE WATER TABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND ASSOCIATED PERMITS AND APPLICATIONS.
5. ALL FOOTINGS SHALL BE CENTRED ON THE WALL UNLESS OTHERWISE NOTED.
6. THE FOOTING DESIGN IS BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. THE FOOTING DESIGN MAY BE ALTERED DURING CONSTRUCTION IF THE SITE CONDITIONS WARRANT, BUT ONLY WITH THE EXPRESS PERMISSION OF THE ENGINEER.
7. THE GENERAL CONTRACTOR SHALL PROVIDE HEATING AND HOARDING AS REQUIRED PER CSA A23.1 AND/OR CSA S304 TO PROTECT ALL FOOTINGS, WALLS, AND SLABS AGAINST FROST ACTION DURING CONSTRUCTION. ALL EXTERIOR FOOTINGS SHALL BE FOUNDED BELOW THE FROST LINE, MINIMUM 1200mm (4 '-0") BELOW GRADE. PROVIDE TEMPORARY HEATING AND HOARDING FOR ALL FOOTINGS FOUNDED ABOVE THE FROST LINE DURING WINTER CONSTRUCTION.
8. DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL THE ELEMENTS PROVIDING LATERAL SUPPORT ARE COMPLETE. PLACE BACKFILL IN A MANNER WHERE THE ELEVATION DIFFERENCE ON EITHER SIDE OF THE WALL IS NO GREATER THAN 450mm (1'-6"). PROVIDE TEMPORARY SHORING AS REQUIRED.
9. ALL FILL MATERIALS UNDER FLOOR SLABS ON GRADE SHALL BE MECHANICALLY COMPACTED IN LAYERS TO 100% OF THE STANDARD PROCTOR MAXIUMUM DRY DENSITY (SPMDD) UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT.
10. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND SIZES OF ALL UNDERGROUND SERVICES AND ADVISE THE ENGINEER AND ARCHITECT OF ANY INTERFERENCES PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION WORKS.
11. GEOTECHNICAL DESIGN CRITERIA SHALL BE VERIFIED DURING CONSTRUCTION BY A GEOTECHNICAL ENGINEER BEFORE HELICAL PIERS ARE INSTALLED.
12. FOUNDATION WALL HEIGHTS AND COURSING SHALL BE BASED ON THE UNDERSIDE OF FOOTING ELEVATION, THE FOOTING THICKNESS, AND THE GROUND FLOOR FINISHED FLOOR ELEVATION. THIS SHALL BE SUPERSEDED WHERE A TOP OF FOOTING ELEVATION IS SPECIFIED. DO NOT COUNT THE COURSING IN THE FOUNDATION SECTIONS.
16. TRENCH AND POUR FOOTINGS SHALL BE PROVIDED BY CAREFULLY TRENCHING THE SOIL AND PLACING CONCRETE DIRECTLY INTO THE EXCAVATED TRENCH. THE GENERAL CONTRACTOR SHALL ACCOUNT FOR ADDITIONAL CONCRETE THAT MAY BE REQUIRED DUE TO SLOUGHING OF THE TRENCH WALLS. THE TOP OF FOOTING ELEVATION FOR EXTERIOR WALLS SHALL BE -800mm (2 '-8") BELOW FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE ON THE PLANS. THE TOP OF FOOTING ELEVATION FOR INTERIOR WALLS SHALL BE -600mm (2 '-0") BELOW FFE UNLESS NOTED OTHERWISE ON THE PLANS.

DESIGN LOADING

ROOF: MAIN, LIBRARY & CANOPY

ROOF WITH JOISTS	[kPa]	[psf]
- ROOFING	0.35	7.31
- INSULATION	0.15	3.13
- STEEL DECK	0.10	2.10
- FRAMING	0.15	3.13
- MECH. & ELECTRICAL	0.25	5.22
- CEILING	0.20	4.18
TOTAL	1.20	25.07

* PAVER STONES* 1.0 kPa
SNOW: LL = 1.84 kPa + SPU
DESIGNED FOR FLOW CONTROL, MAX 150mm PONDING ON ROOF

SECOND FLOOR:

203 FLOOR LOAD BREAKDOWN	[kPa]	[psf]
- 203 H/C SLAB	2.0	41.77
- 50 TOPPING	1.2	25.06
- MISC. MECH. & ELECTRICAL	0.25	5.22
- PARTITIONS *	1.00	20.89
- FRAMING	0.16	3.34
-FLOORING	0.25	5.22
-CEILING	0.20	4.18
TOTAL DEAD LOAD - D	5.06	105.68

* NOT TO BE USED WITH 4.8 kPa LIVE LOAD

254 FLOOR LOAD BREAKDOWN	[kPa]	[psf]
- 254 H/C SLAB	3.54	74.00
- 50 TOPPING	1.2	25.06
- MISC. MECH. & ELECTRICAL	0.25	5.22
- PARTITIONS *	1.00	20.89
- FRAMING	0.16	3.34
-FLOORING	0.25	5.22
-CEILING	0.20	4.18
TOTAL DEAD LOAD - D	6.60	137.91

* NOT TO BE USED WITH 4.8 kPa LIVE LOAD

304 FLOOR LOAD BREAKDOWN	[kPa]	[psf]
- 304 H/C SLAB	4.12	86.05
- 50 TOPPING	1.2	25.06
- MISC. MECH. & ELECTRICAL	0.25	5.22
- PARTITIONS *	1.00	20.89
- FRAMING	0.16	3.34
-FLOORING	0.25	5.22
-CEILING	0.20	4.18
TOTAL DEAD LOAD - D	7.18	149.96

* NOT TO BE USED WITH 4.8 kPa LIVE LOAD

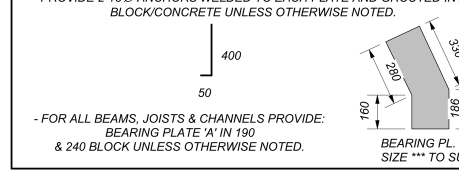
304 SOLID SLAB - FLOOR LOAD BREAKDOWN	[kPa]	[psf]
- 304 SOLID SLAB	7.15	149.33
- 50 TOPPING	1.2	25.06
- MISC. MECH. & ELECTRICAL	0.25	5.22
- PARTITIONS *	1.00	20.89
- FRAMING	0.16	3.34
-FLOORING	0.25	5.22
-CEILING	0.20	4.18
TOTAL DEAD LOAD - D	10.21	213.24

* NOT TO BE USED WITH 4.8 kPa LIVE LOAD

BEARING PLATE (B.P.) SCHEDULE

TYPE	SIZE
A	175x175x13
B	175x275x13
C	175x300x13
D	175x***x13

- PROVIDE 2-15 Ø ANCHORS WELDED TO EACH PLATE AND GROUTED INTO BLOCK/CONCRETE UNLESS OTHERWISE NOTED.



- FOR ALL BEAMS, JOISTS & CHANNELS PROVIDE: BEARING PLATE 'A' IN 190 & 240 BLOCK UNLESS OTHERWISE NOTED.

BEARING PL. D SIZE *** TO SUIT

DRAWING LIST

DRAWING No.	DRAWING NAME:
S0.0	COVER PAGE
S0.1	EXISTING DEMOLITION AND RENOVATION PLAN
S0.2	EXISTING DEMOLITION AND RENOVATION PLAN
S1.0	FOUNDATION PLAN
S2.0	TYPICAL FOUNDATION DETAILS
S2.1	FOUNDATION SECTIONS
S3.0	SECOND FLOOR FRAMING PLAN
S3.1	ROOF FRAMING PLAN
S4.0	TYPICAL FRAMING DETAILS
S4.1	CROSS SECTIONS
S4.2	CROSS SECTIONS

REFERENCE EXISTING STRUCTURAL DRAWINGS BY:

KALOS ENGINEERING INC. DATED: MARCH 19, 2015
PROJECT NO. 14086

L. M. HUGET ARCHITECT, DATED NOVEMBER 1965
FILE NO. H65 35

LICENSED PROFESSIONAL ENGINEER
J. P. G. CAMPANA
100138224
25-11-20
Project No. 24139
PROVINCE OF ONTARIO

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
1	30% COORDINATION SET	25-02-27

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.

CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

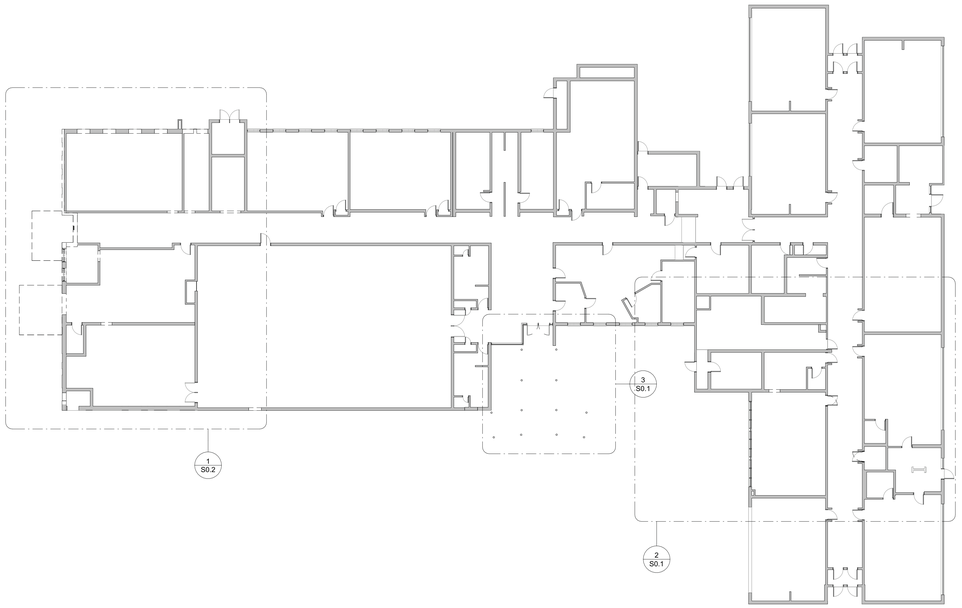
KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

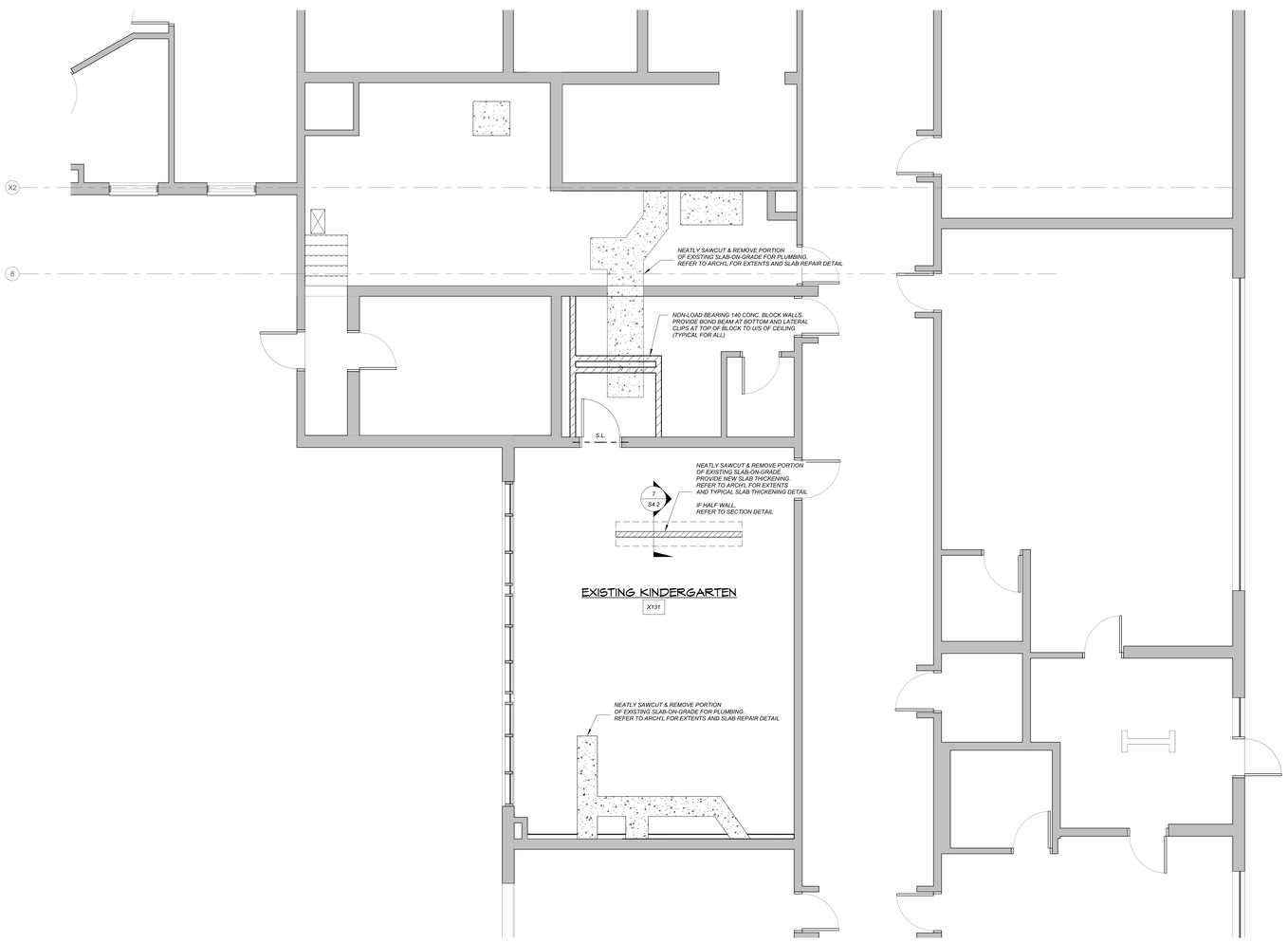
HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

COVER PAGE

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN QN	DRAWING S0.0
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:25 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT

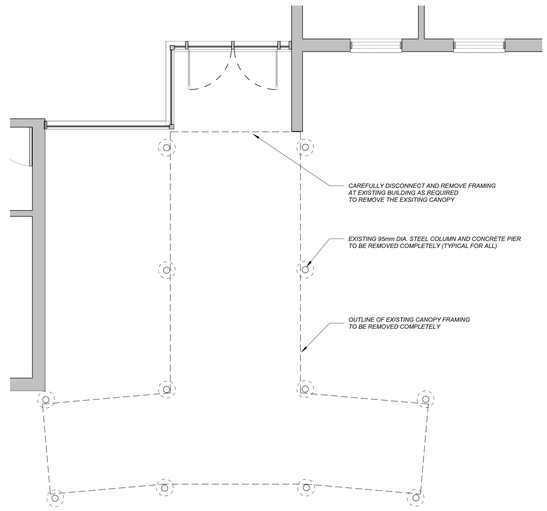


EXISTING OVERALL GROUND FLOOR PLAN
SCALE 1 : 200



EXISTING KINDERGARTEN
X131

PARTIAL PROPOSED RENOVATION PLAN
SCALE: 1 : 50
2
S0.1



EXISTING CANOPY FRAMING DEMOLITION PLAN
SCALE: 1 : 50
3
S0.1

NOTES:

1. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES.
2. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN PRECAST SLABS.

LICENSED PROFESSIONAL ENGINEER
J. P. G. CAMPANA
100138224
25-11-20
No. 24139
PROVINCE OF ONTARIO

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

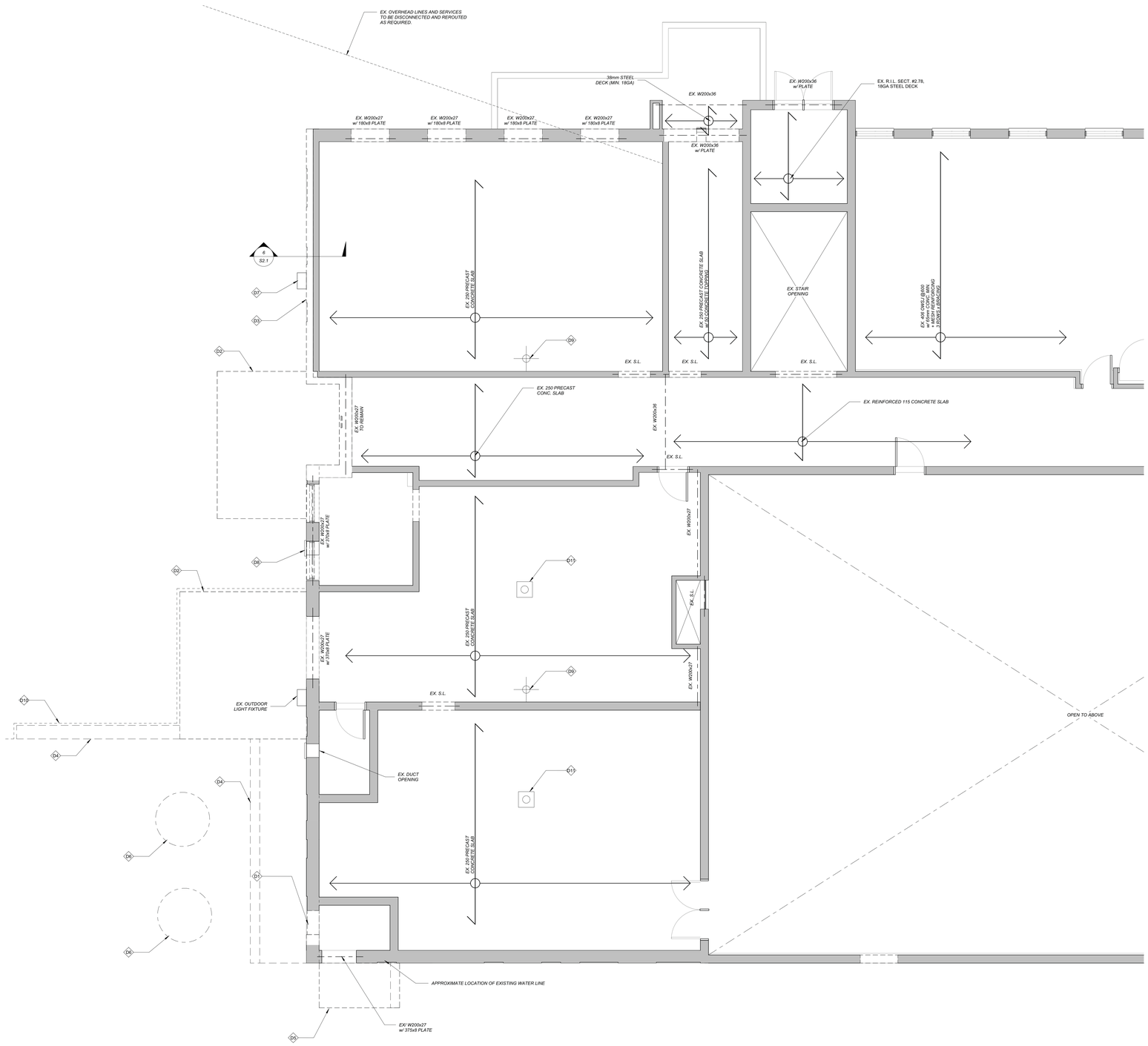
KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

EXISTING DEMOLITION AND RENOVATION PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V5
(905) 815-8284 admin@hossackarch.com

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN QN	DRAWING S0.1
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:26 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



EXISTING SECOND FLOOR FLOOR FRAMING DEMOLITION PLAN

SCALE: 1 : 50 (1 / S0.1)

DEMOLITION NOTES

1. ALL STRUCTURE ABOVE GRADE TO BE COMPLETELY REMOVED & DISPOSED OF OFF SITE.
2. EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.
3. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS.
4. ERECT BARRICADES & FENCING TO PROTECT THE PUBLIC & NEIGHBOURING PROPERTIES FROM DEBRIS & CONSTRUCTION TRAFFIC.
5. SHORE EXISTING STRUCTURE AS REQUIRED UNTIL DEMOLITION IS COMPLETE. ENGINEERED SHORING DRAWINGS SHALL BE PROVIDED FOR REVIEW.
6. ALL FOUNDATIONS ARE TO BE REMOVED COMPLETELY. UPFILL VOIDS PER THE CONTRACT SPECIFICATIONS.
7. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE MINISTRY OF LABOUR, TSSA, WSIB, AND ENSURE A SAFE CONSTRUCTION SITE.

NOTES:

1. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES.
2. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN PRECAST SLABS.

DEMOLITION NOTES

1. NEATLY SAWCUT PORTION OF EXTERIOR BRICK AND BLOCK AS REQUIRED FOR NEW DOOR OPENING. PROVIDE TEMPORARY SHORING AS REQUIRED
2. REMOVE EXISTING FROST SLAB AND FOUNDATION WALLS AS REQUIRED FOR NEW ADDITION
3. REMOVE EXISTING BRICK EXTERIOR WALL CLADDING AS REQUIRED FOR NEW ADDITION
4. EXISTING CONCRETE CURB, RAMP AND FOUNDATION WALLS TO BE REMOVED.
5. EXISTING CONRETE STAIRCASE, RAILS AND FOUNDAITON WALLS BE REMOVED AS REQUIRED.
6. EXISTING MOLOK RECYCLING BINS AND FOUNDATION WALLS TO BE REMOVED.
7. EXISTING EXTERIOR LIGHT FIXTURE TO DISCONNECTED AND REMOVED AS REQUIRED.
8. EXISTING DUCT PENETRATION TO BE REMOVED AND RELOCATED AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR NEW LOCATIONS AS REQUIRED
9. EXISTING ROOF FLOOR DRAINS TO DISCONNECTED AND REMOVED AS REQURIED.
10. EXISTING STEEL FENCE AND RAILS TO BE RMEOVED AS REQUIRED.
11. EXISTING ROOF DUCT PENETRATION TO BE DISCONNECTED AND REMOVED AS REQUIRED

NOTE: ALL METAL FLASHING TO REMOVED AS REQUIRED

LICENSED PROFESSIONAL ENGINEER
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#100138224
2011-01-28
24139
PROVINCE OF ONTARIO

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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

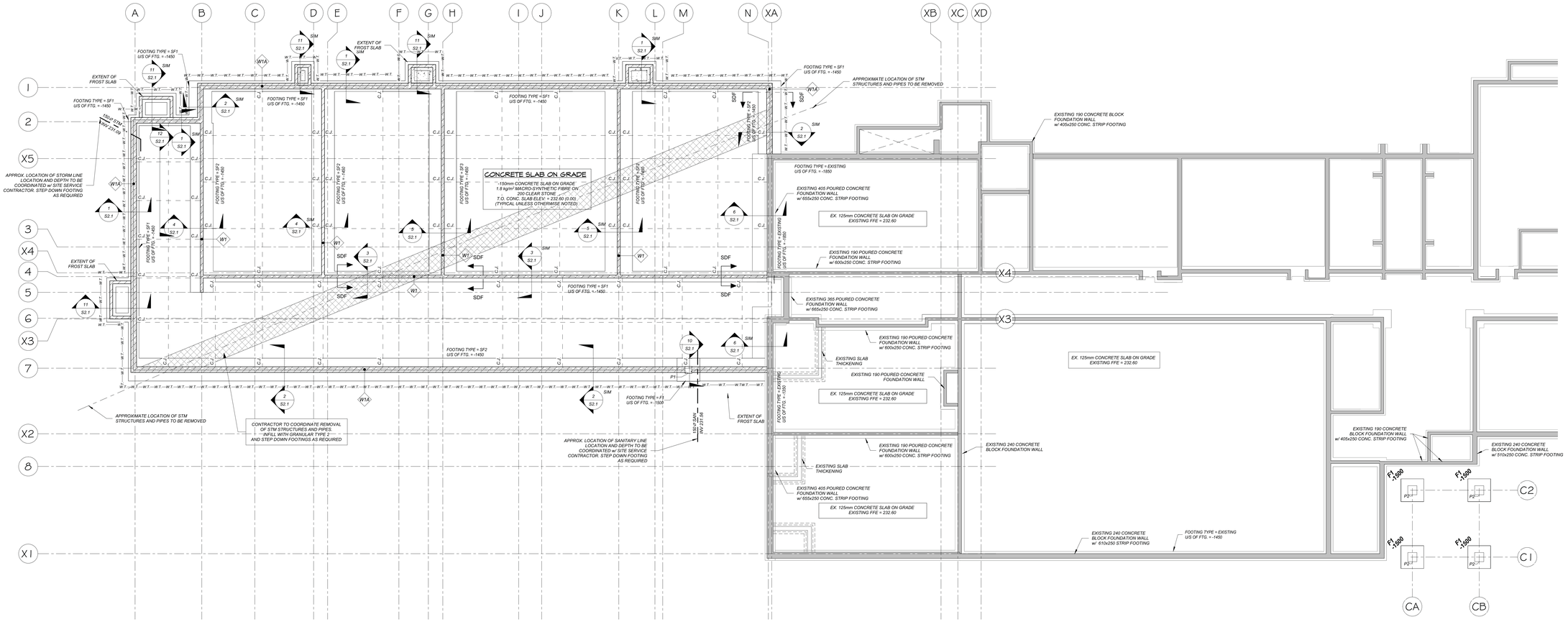
KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L5A 0B9
(905) 527-5092 x 2500
kjeddy@hwdsb.on.ca

EXISTING DEMOLITION AND RENOVATION PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 0Y3
(905) 815-5284 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24139
DATE: MARCH 2025	
DRAWN: Author	DRAWING: S0.2
CHECKED: Checker	
PRINT DATE	11/18/2025 4:12:27 PM
REVIT FILE	T:\2024\241130\2\Revit.RVT



FOUNDATION PLAN

SCALE 1 : 100

FOUNDATION NOTES

1. TOP OF FLOOR SLAB ELEV. = 232.60 (00.00) UNLESS NOTED OTHERWISE.
2. TYPICAL U/S FOOTING AS NOTED ON PLAN
3. U/S OF SPREAD FOOTING TO BE DROPPED TO PROVIDE A CONTINUOUS TOP OF FOOTING.
4. REFER TO S2.0 FOR TYPICAL FOUNDATION DETAILS AND S0.0 FOR CONCRETE NOTES.
5. COORDINATE PIER, ANCHOR BOLT LAYOUT WITH COLUMN BASE PLATES.
6. ELEVATIONS SHOWN ARE APPROXIMATE ONLY. REFER TO ARCHITECTURAL FLOOR PLAN FOR DRAIN LOCATIONS AND SLOPE TO DRAIN.
7. CONTRACTOR TO PROVIDE PROVISIONS FOR DE-WATERING PER THE GEOTECHNICAL REPORT.
8. FILL CONCRETE BLOCK SOLID FROM TOP OF FOOTING FULL HEIGHT w/ 20MPa GROUT c/w 3-20M BARS (1 PER CELL, MIN. 3 CELLS) AT ALL BEAM BEARING PLATE LOCATION. TYP. SEE S3.0 & S3.1 FOR LOCATIONS.

PIER SCHEDULE

TYPE	SIZE	REINFORCING	REF. DATUM	T/O PIER
P1	450 x 450	8-25M VERT. 2-10M AT 300 TIES	T/O OF FOOTING	-200
P2	600x600	8-25M VERT. 2-10M AT 300 TIES	T/O OF FOOTING	-200

FOOTING SCHEDULE

MARK	SIZE	FOOTING TYPE	REINFORCING	U/S OF FOOTING ELEVATION
EXISTING	1200 x 1200 x 300	Spread Footings		-1500
F1	1500 x 1500 x 300	Spread Footings	7-15M B.E.W.	-1500

STRIP FOOTING SCHEDULE

MARK	SIZE	FOOTING TYPE	REINFORCING	U/S OF FOOTING ELEVATION
EXISTING	Ex. 405 x 250	Strip Footings		-1450
EXISTING	Existing 600 x 250	Strip Footings		-1450
EXISTING	Existing 665 x 250	Strip Footings		<varies>
SF1	SF1-700x250	Strip Footings	3-15M CONT.	-1450
SF2	SF2-1500x250	Strip Footings	6-15M CONT., 15M @300 CROSS	-1450
SF3	SF3-1800x250	Strip Footings	7-15M CONT., 15M @300 CROSS	-1450

FOUNDATION WALL SCHEDULE

TYPE	DESCRIPTION	REINFORCING
W1	CONCRETE BLOCK - 190	15M @800 O.C.
W1A	CONCRETE BLOCK - 190 +140 BLOCK w/ INSULATION	15M @800 O.C.

FOUNDATION LEGEND

DESCRIPTION	SYMBOL
WEEPING TILE	—WT———WT—
GAS LINE	—GS———GS—
(C.J.) SAW CUT CONTROL JOINT	C.J. C.J.
FOOTING EXTENTS	
SLAB THICKENING	
WALL ABOVE	
STEP DOWN FOOTING	SDF SDF

FOOTING TAG LEGEND

FOOTING PIER TAG LEGEND	
P1	= PIER TYPE
F1	= FOUNDATION TYPE
-1200	= U/S OF FOOTING

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LEGAL DESCRIPTION

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(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

HOSSACK ARCHITECTURE
105 - 1239 IRONOAK WAY OAKVILLE, ON L6H 3V6
(905) 815-8294 admin@hossackarch.com

FOUNDATION PLAN

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN Author	DRAWING S1.0
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:27 PM
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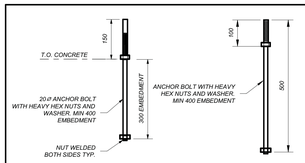
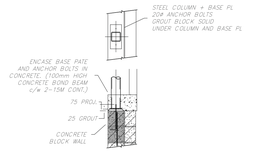


TYPICAL ANCHOR BOLT DETAIL

SCALE - N.T.S.

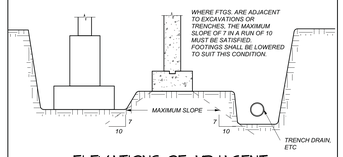
TYPICAL ANCHOR BOLT DETAIL

SCALE - N.T.S.

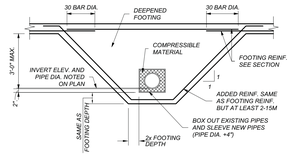


TYPICAL DETAIL AT COLUMN

NOT TO SCALE

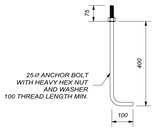


ELEVATIONS OF ADJACENT FOOTING AND EXCAVATIONS



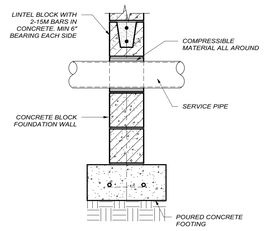
SERVICE PIPE FOOTING DETAIL

SCALE 1 : 20



TYPICAL ANCHOR BOLT DETAIL

NOT TO SCALE



PIPE PENETRATION DETAIL

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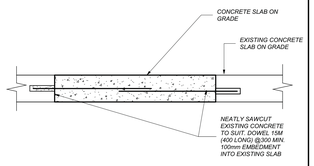
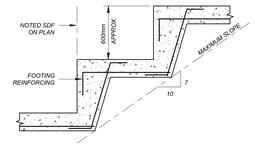


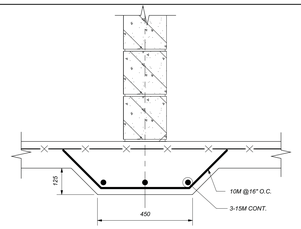
SLAB REPAIR DETAIL

SCALE 1 : 10



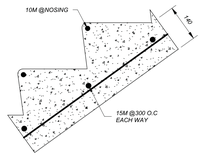
TYPICAL STEPPING OF WALL FOOTING DETAIL

NOT TO SCALE



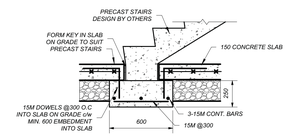
THICKENING OF SLAB-ON-GRADE UNDER PARTITION WALL

NOT TO SCALE



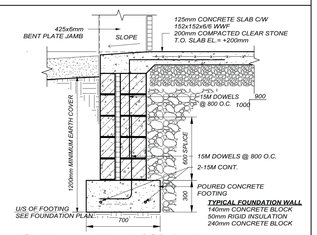
TYPICAL CAST IN PLACE STAIR REINFORCING

NOT TO SCALE



TYPICAL FOOTING AT PRECAST STAIR

NOT TO SCALE



TYPICAL CONCRETE BLOCK FOUNDATION AT DOOR

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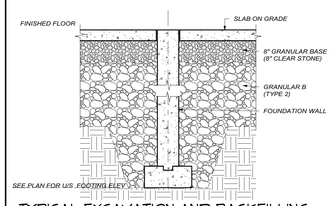


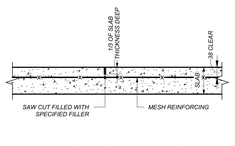
TYPICAL EXCAVATION AND BACKFILLING AT FOUNDATION WALLS

NOT TO SCALE

(REQUIRED BOTH SIDES OF ALL INTERIOR AND EXTERIOR FOUNDATION WALLS)

(REINFORCING NOT SHOWN FOR CLARITY)

NOTE: NATIVE SOIL IS UNSUITABLE FOR BACKFILL



TYPICAL SAW-CUT CONTROL IN SLAB-ON-GRADE

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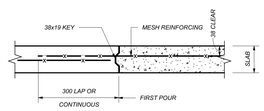

TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT

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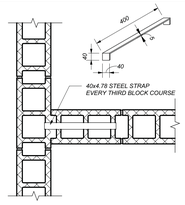
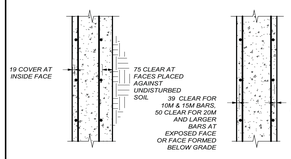


TYPICAL INTERSECTION OF CONCRETE BLOCK WALLS

NOT TO SCALE

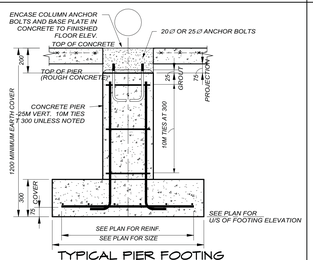


WALL PLACED AGAINST EARTH

PLAN OF TYPICAL WALL

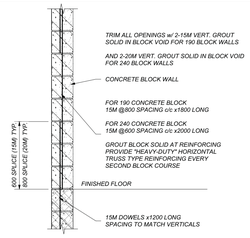
TYPICAL WALL REINFORCING COVER

NOT TO SCALE



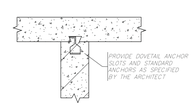
TYPICAL PIER FOOTING

NOT TO SCALE

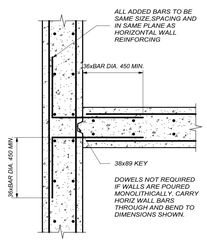


TYPICAL BLOCK WALL REINFORCING

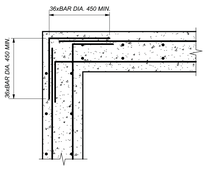
SCALE 1:20



TYPICAL ANCHORAGE MASONRY DETAIL OF CONCRETE WALL



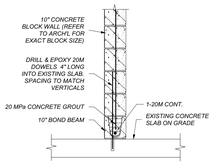
DOWELLING AT INTERSECTIONS



LAPPING AT CORNERS

TYPICAL CORNER DETAILS

NOT TO SCALE



BOND BEAM DETAIL

SCALE 1 : 20

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
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LICENSED PROFESSIONAL ENGINEER
J.P.G. OMPANA
100138224
25-11-20
Date
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CERTIFICATE OF PRACTICE #4292

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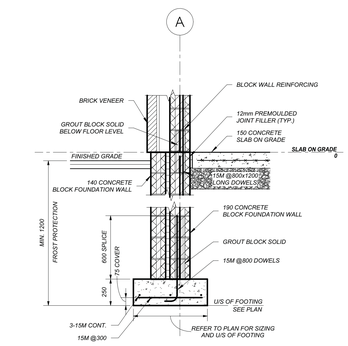
kjesty@hwdsb.on.ca

TYPICAL FOUNDATION DETAILS

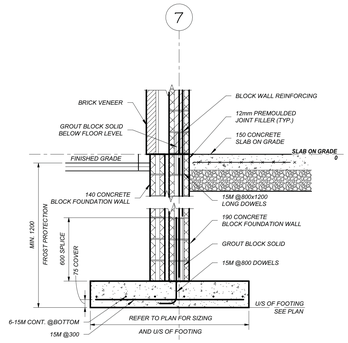
HOSSACK ARCHITECTURE

195 - 1938 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0134 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24139
DATE: MARCH 2025	
DRAWN: QN	DRAWING: S2.0
CHECKED: Checker	
PRINT DATE	11/18/2025 4:12:28 PM
REVIT FILE	1:\2024\24139\02\Revit.RVT



SECTION 1 / S1.0
SCALE: 1 : 20



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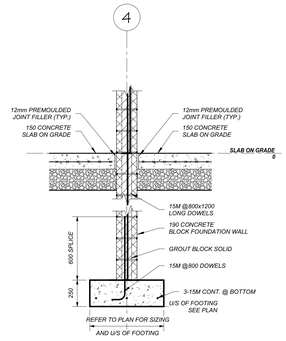

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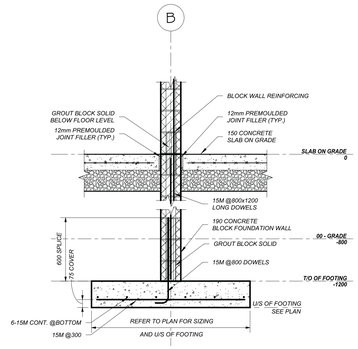

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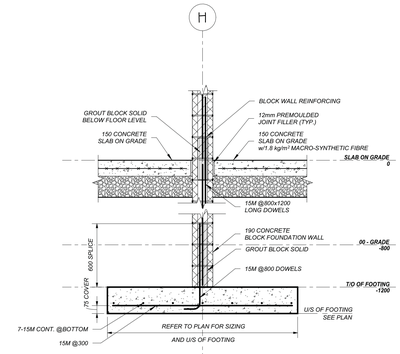

SECTION 5 / S1.0
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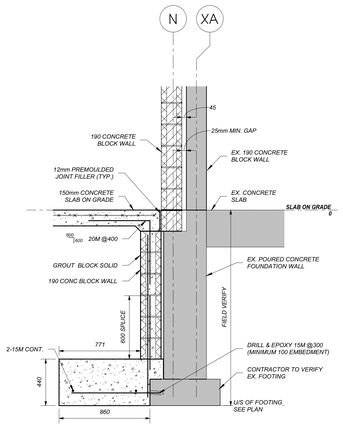
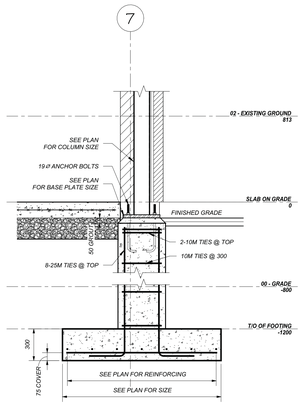
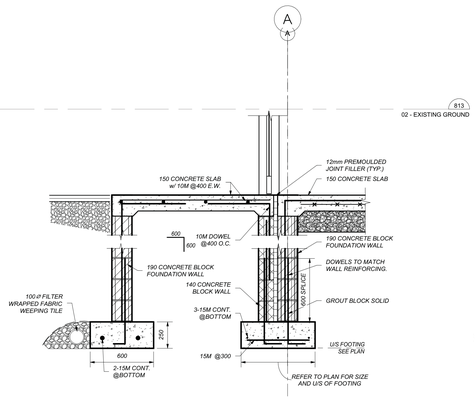


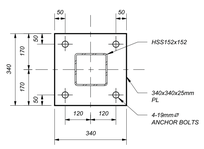
SECTION 6 / S0.2
SCALE: 1 : 20



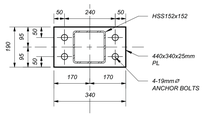
SECTION 10 / S1.0
SCALE: 1 : 20



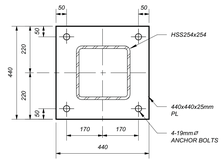
SECTION 11 / S1.0
SCALE: 1 : 20



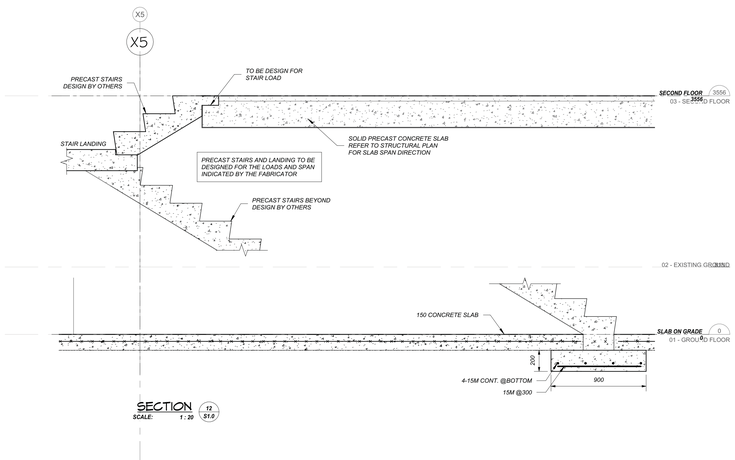
BASE PLATE BPL-A
SCALE 1 : 10



BASE PLATE BPL-B
SCALE 1 : 10



BASE PLATE BPL-C
SCALE 1 : 10



SECTION 12 / S1.0
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
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4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
1	30% COORDINATION SET	25-02-27

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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1268,
CITY OF HAMILTON

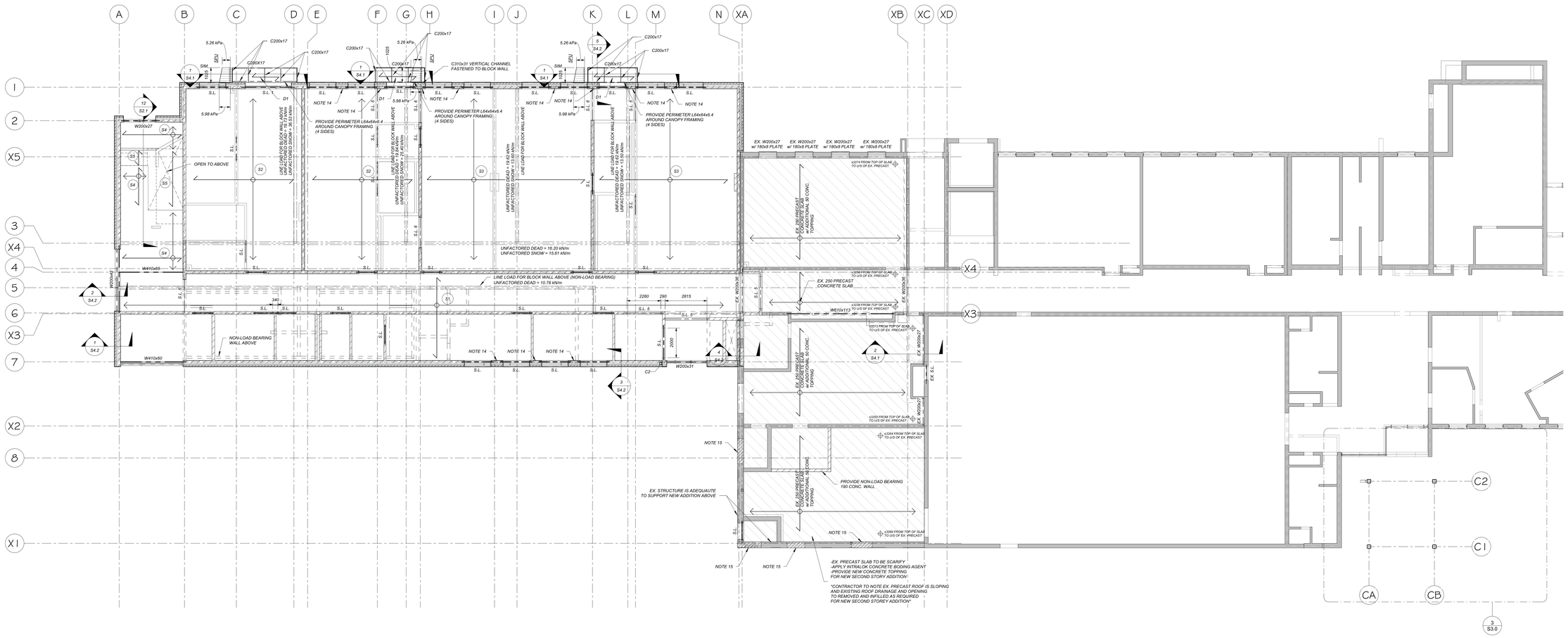
KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

FOUNDATION SECTIONS

HOSSACK ARCHITECTURE
135 - 1939 IRONOAK WAY
OAKVILLE, L6H 3V7
(905) 815-0311 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24139
DATE: MARCH 2025	
DRAWN: QN	DRAWING: S2.1
CHECKED: Checker	
PRINT DATE	11/18/2025 4:12:29 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



SECOND FLOOR FRAMING PLAN

SCALE 1 : 100

FRAMING NOTES

1. TOP OF STEEL ELEVATION 3353 UNLESS NOTED THUS +0.0
2. TOP OF PRECAST SLAB 3556 UNLESS NOTED THUS +0.0
3. REFER TO ARCHITECTURAL DRAWINGS. AND MECHANICAL DRAWINGS FOR DIMENSIONS.
4. REFER TO DRAWING S4.0 FOR NOTES AND STANDARD DETAILS AND DRAWINGS S0.0 FOR CONCRETE BLOCK WALL REINFORCING.
5. REFER TO ARCHL, MECHL AND ELECL DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
6. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
7. FILL CONCRETE BLOCK SOLID FROM TOP OF FOOTING FULL HEIGHT w/ 13MPa GROUT c/w 3-20M BARS (1 PER CELL, MIN. 3 CELLS) AT ALL BEAM BEARING PLATE LOCATION. TYP: SEE S3.0 & S3.1 FOR LOCATIONS
8. REFER TO S3.0 FOR PRECAST SLAB CONFIGURATION AND LOADING.
9. REFER TO S3.0 and S3.1 FOR COLUMN SCHEDULE.
10. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES.
11. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN PRECAST SLABS.
12. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.
13. BREAK OPEN EXISTING BLOCK WALL. INSTALL NEW LINTEL. PROVIDE TEMPORARY SUPPORT UNTIL LINTEL IS INSTALLED. PROVIDE STAMPED SHORING DRAWINGS PRIOR TO ANY REMOVALS.
14. FILL CONCRETE BLOCK SOLID FROM TOP OF FOOTING FULL HEIGHT w/ 13MPa GROUT c/w 3-20M BARS (1 PER CELL, MIN. 3 CELLS) AT ALL BEAM BEARING PLATE LOCATION. TYP: SEE S3.0 & S3.1 FOR LOCATIONS
15. BREAK OPEN EXISTING 254 HOLLOW CORE PRECAST SLAB FROM THE TOP OF THE SLAB TO THE TOP OF THE MASONRY WALL. THE EXTENT OF THE OPENING SHALL MATCH THE SIZE OF THE BASEPLATE. FILL CONCRETE SOLID FROM TOP OF FOOTING TO FULL HEIGHT WITH 13MPa GROUT c/w 3-20M BARS (1 PER CELL, MIN. 3 CELLS). PLACE THE BASEPLATE AT THE TOP OF THE FULLY GROUTED MASONRY WALL AND FASTENED WITH SPECIFIED ANCHORS

SLAB LEGEND

S1	203 H/C PRECAST SLAB 50 CONCRETE TOPPING — PLUS MASONRY LINE LOADS (kN/m²)
S2	304 H/C PRECAST SLAB 50 CONCRETE TOPPING — PLUS MASONRY LINE LOADS (kN/m²)
S3	304 SOLID PRECAST SLAB 50 CONCRETE TOPPING — PLUS MASONRY LINE LOADS (kN/m²)
S4	250 SOLID PRECAST SLAB (STAIRS LANDING) — PLUS MASONRY LINE LOADS (10 kN/m²)
S5	250 SOLID PRECAST SLAB (CRANKED PRECAST CONCRETE STAIRS)

NOTE: PROVIDE SOLID SLABS AS REQUIRED FOR ALL PARTITION WALL LOADS & FLOOR SLAB PENETRATIONS INCLUDING MECHANICAL OPENINGS. TO BE DETERMINED BY THE PRECASTER

DECK LEGEND

D1	38 STEEL DECK (MIN. 22GA) — PLUS SNOW PILE-UP

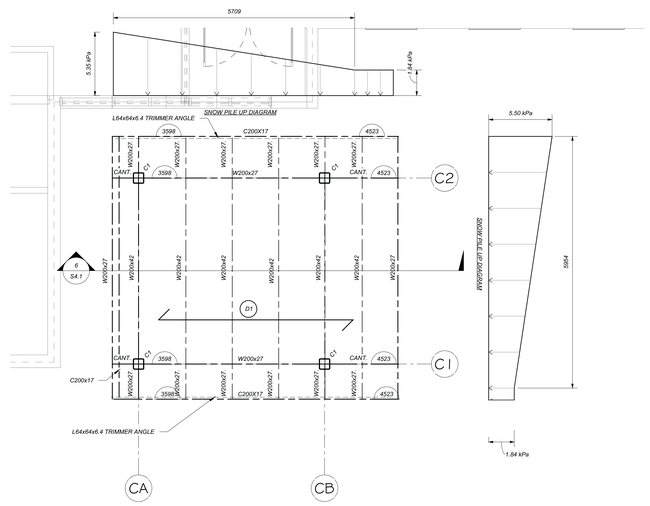
COLUMN SCHEDULE

MARK	SIZE	BASE PL.	CAP PL.	ANCHOR BOLT
C1	HS254x254x13	BPL-C	6mm	4-25 DIA. ANCHORS
C2	HS152x152x6.4	BPL-A	6mm	4-25 DIA. ANCHORS
C3	HSS152x152x6.4	BPL-B*	6mm	4-25 DIA. ANCHORS

*BASE PLATE SITS ON TOP OF MASONRY

FRAMING PLANS LEGEND

DESCRIPTION	SYMBOL
LOAD-BEARING WALLS	
190 CONCRETE BLOCK PARTITION	
NON-LOAD BEARING WALL ABOVE UNFACTORED LINE LOAD = 10 kN/m	



SECOND FLOOR FRAMING PLAN - CANOPY

SCALE 1 : 50

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
1	30% COORDINATION SET	25-02-27

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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjeddy@hwdsb.on.ca

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V1
(905) 810-8284 admin@hossackarch.com

LICENSED PROFESSIONAL ENGINEER
J.P.G. CAMPANA
100138224
25-11-20
PROVINCE OF ONTARIO

SECOND FLOOR FRAMING PLAN

SCALE	As indicated
DATE	MARCH 2025
DRAWN / Author	
CHECKED / Checker	
PROJECT	24139
DRAWING	S3.0
PRINT DATE	11/18/2025 4:12:30 PM
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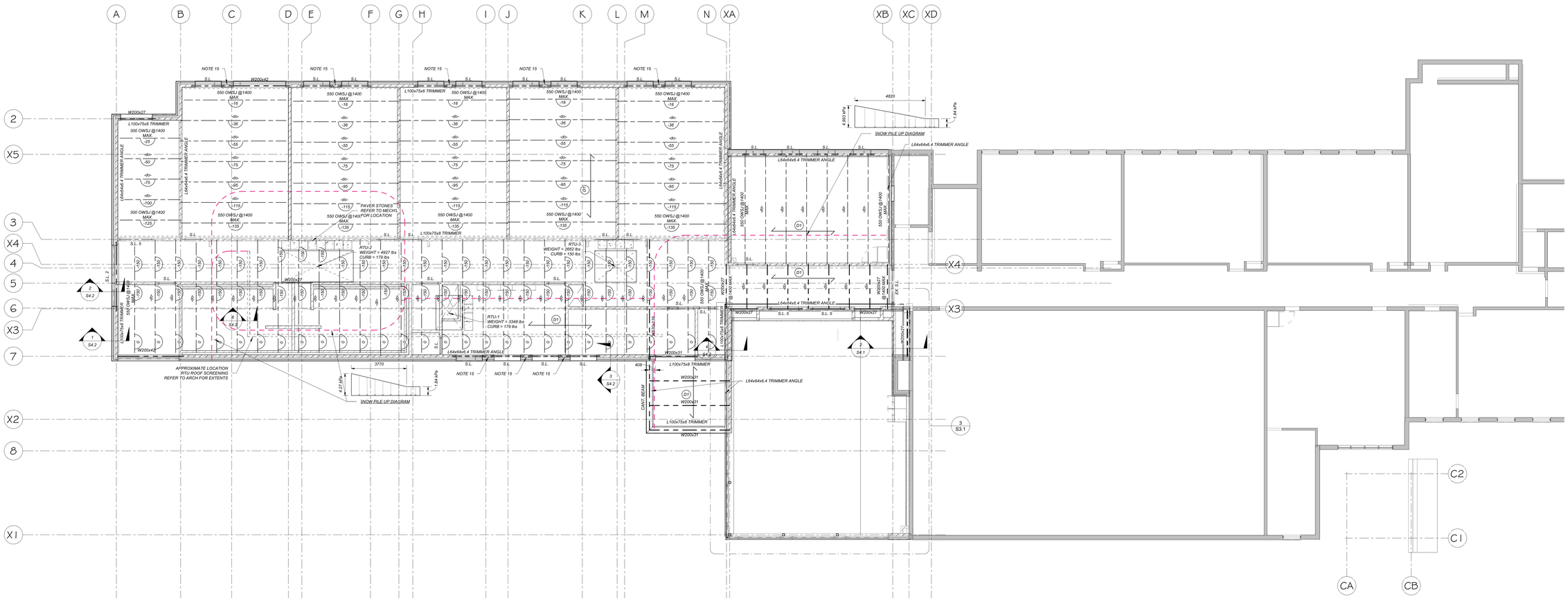


ROOF FRAMING PLAN

SCALE 1 : 100

FRAMING NOTES

1. TOP OF STEEL ELEVATION 7049 UNLESS NOTED THUS +0.0
2. REFER TO ARCHITECTURAL DRAWINGS. AND MECHANICAL DRAWINGS FOR DIMENSIONS.
3. REFER TO DRAWING S0.0 FOR NOTES AND CONCRETE BLOCK WALL REINFORCING, AND DRAWING S4.0 FOR STANDARD DETAILS.
4. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S???. FOR LINTEL SIZES.
5. ELEVATION SHOWN FOR TOP OF JOISTS AND ROOF CHANNELS ARE APPROXIMATE ONLY. REFER TO ARCH'L ROOF PLAN FOR DRAIN LOCATIONS AND SET STEEL TO FALL EVENLY TO DRAIN.
6. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
7. FILL MINIMUM 400 LENGTH OF WALL FROM TOP OF FOOTING FULL HEIGHT WITH 13MPa GROUT, c/w 3-20M BARS (1 PER CELL) AT ALL BEARING LOCATIONS
8. REFER TO S3.0 FOR PRECAST SLAB CONFIGURATION AND LOADING
9. REFER TO S3.0 AND S3.1 FOR COLUMN SCHEDULE
10. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES.
11. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN PRECAST SLABS.
12. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.
13. BREAK OPEN EXISTING BLOCK WALL. INSTALL NEW LINTEL. PROVIDE TEMPORARY SUPPORT UNTIL LINTEL IS INSTALLED. PROVIDE STAMPED SHORING DRAWINGS PRIOR TO ANY REMOVALS.
14. PROVIDE CROSS BRIDGING FOR JOISTS TO ACCOMMODATE MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
15. FILL CONCRETE BLOCK SOLID FROM TOP OF FOOTING FULL HEIGHT WITH 13MPa GROUT c/w 3-15M BARS (1 PER CELL)

COLUMN SCHEDULE

MARK	SIZE	BASE PL.	CAP PL.	ANCHOR BOLT
C1	HS254x254x13	BPL-C	6mm	4-25 DIA. ANCHORS
C2	HS152x152x6.4	BPL-A	6mm	4-25 DIA. ANCHORS
C3	HSS152x152x6.4	BPL-B*	6mm	4-25 DIA. ANCHORS

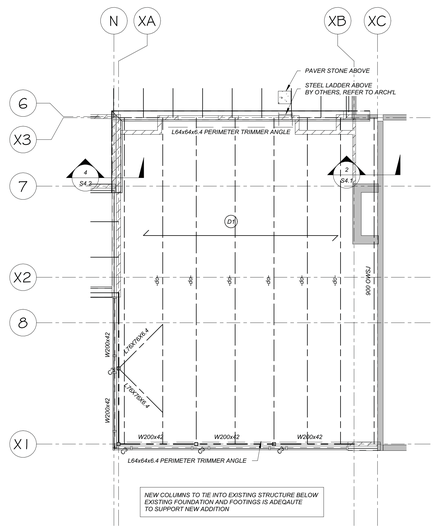
*BASE PLATE SITS ON TOP OF MASONRY

DECK LEGEND

D1	38 STEEL DECK (MIN. 22GA) PLUS SNOW PILE-UP

FRAMING PLANS LEGEND

DESCRIPTION	SYMBOL
LOAD-BEARING WALLS	
190 CONCRETE BLOCK PARTITION	
NON-LOAD BEARING WALL ABOVE UNFACTORED LINE LOAD = 10 kN/m	



ENLARGED ROOF FRAMING PLAN

SCALE 1 : 100

FRAMING NOTES

1. TOP OF STEEL ELEVATION 8711 UNLESS NOTED THUS +0.0
2. REFER TO ARCHITECTURAL DRAWINGS. AND MECHANICAL DRAWINGS FOR DIMENSIONS.
3. REFER TO DRAWING S0.0, S1.0 AND S4.0 FOR NOTES AND STANDARD DETAILS AND DRAWINGS S1.0 FOR CONCRETE BLOCK WALL REINFORCING.
4. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
5. ELEVATION SHOWN FOR TOP OF JOISTS AND ROOF CHANNELS ARE APPROXIMATE ONLY. REFER TO ARCH'L ROOF PLAN FOR DRAIN LOCATIONS AND SET STEEL TO FALL EVENLY TO DRAIN.
6. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
7. FILL MINIMUM 400 LENGTH OF WALL FROM TOP OF FOOTING FULL HEIGHT WITH 13MPa GROUT, c/w 3-20M BARS (1 PER CELL) AT ALL BEARING LOCATIONS
8. REFER TO S3.0 AND S3.1 FOR COLUMN SCHEDULE.
9. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR SIZES.
10. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.

LICENSED PROFESSIONAL ENGINEER
J.P.G. OMPANA
#90138224
25-11-20
24139
PROVINCE OF ONTARIO

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

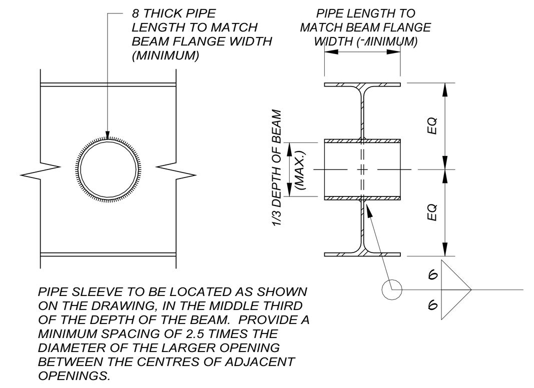
KALOS ENGINEERING
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L5A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

ROOF FRAMING PLAN

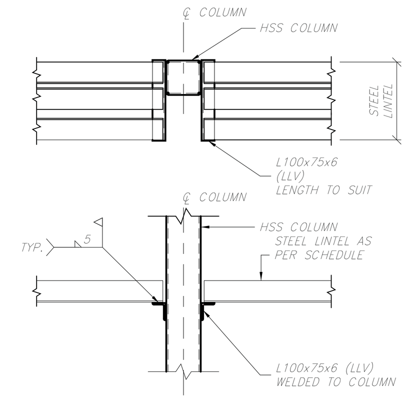
HOSSACK ARCHITECTURE
105 - 1539 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 615-0204 admin@hossackarch.com

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN QN	DRAWING S3.1
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:31 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



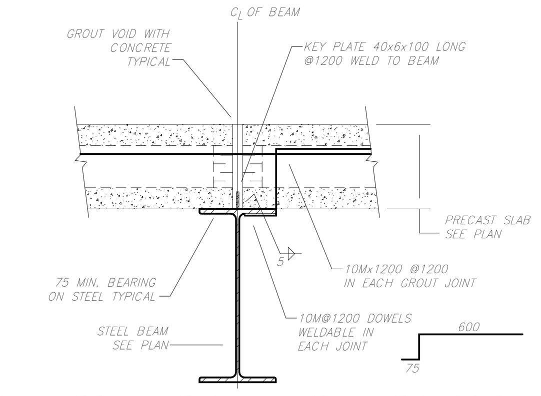
TYPICAL REINFORCING FOR OPENING IN STEEL BEAM

NOT TO SCALE



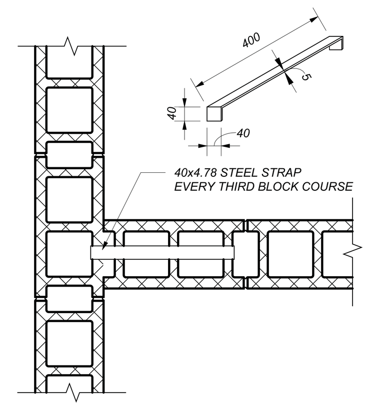
TYPICAL LINTEL BEARING DETAIL AT COLUMN

NOT TO SCALE



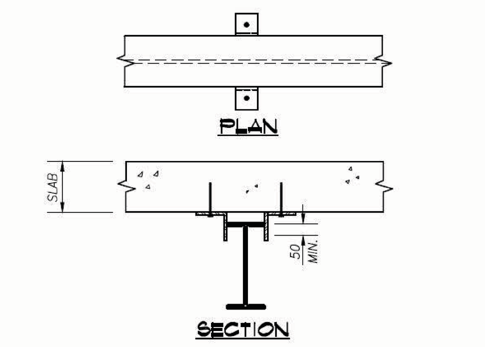
TYPICAL DETAIL OF PARALLEL PRECAST SLAB TOP FLANGE BEARING

NOT TO SCALE



TYPICAL INTERSECTION OF CONCRETE BLOCK WALLS

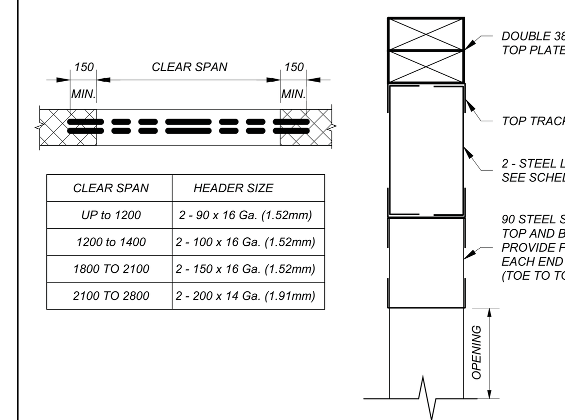
NOT TO SCALE



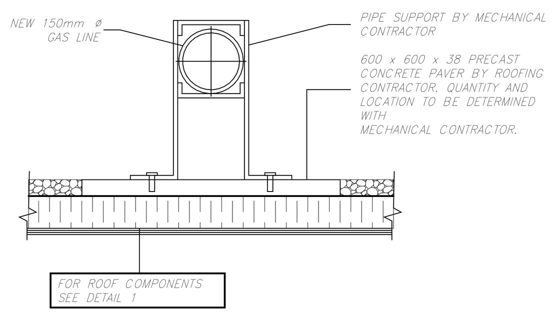
LATERAL CLIP DETAIL

BRACING OF STEEL BEAM AT UNDERSIDE OF CONCRETE SLAB (PRECAST OR CAST-IN-PLACE)

NOT TO SCALE

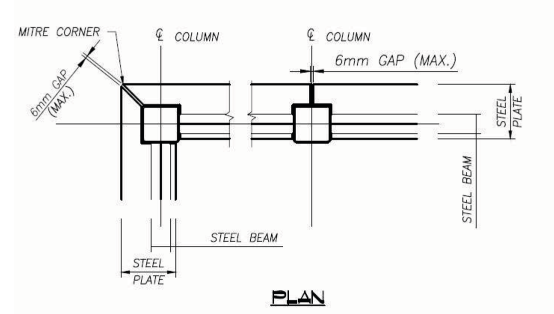


CLEAR SPAN	HEADER SIZE
UP to 1200	2 - 90 x 16 Ga. (1.52mm)
1200 to 1400	2 - 100 x 16 Ga. (1.52mm)
1800 TO 2100	2 - 150 x 16 Ga. (1.52mm)
2100 TO 2800	2 - 200 x 14 Ga. (1.91mm)



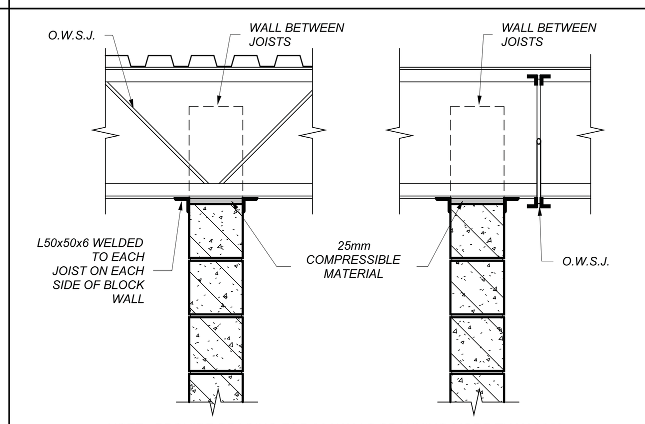
GAS LINE SUPPORT DETAIL

NOT TO SCALE



TYPICAL LINTEL DETAIL FOR MASONRY AT COLUMN

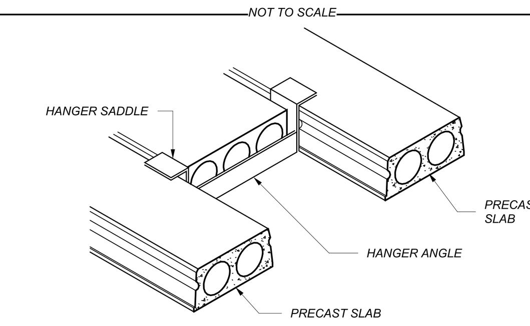
NOT TO SCALE



NOTE : PROVIDE BRACING FOR 90 WALLS SPANNING MORE THAN 3650 HORIZONTALLY, FOR 140 WALLS SPANNING MORE THAN 5490 HORIZONTALLY, AND FOR 190 WALLS SPANNING MORE THAN 7315 HORIZONTALLY.

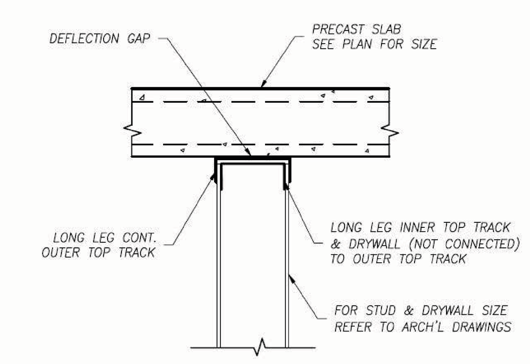
BRACING OF PARTITION WALLS AT UNDERSIDE OF STEEL JOIST

NOT TO SCALE



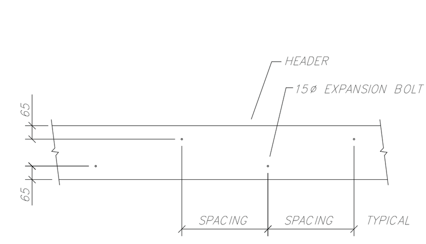
TYPICAL SLAB TO SLAB HANGER DETAIL

NOT TO SCALE



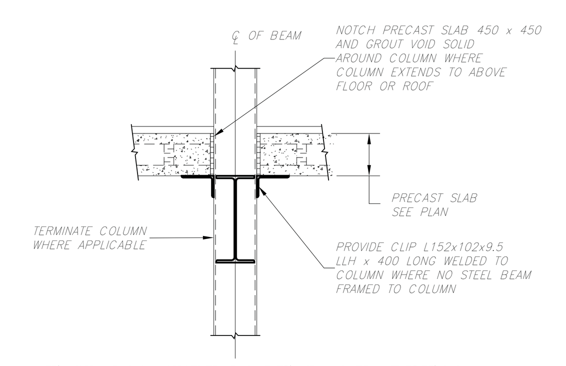
TYPICAL DEFLECTION GAP DETAIL

NOT TO SCALE



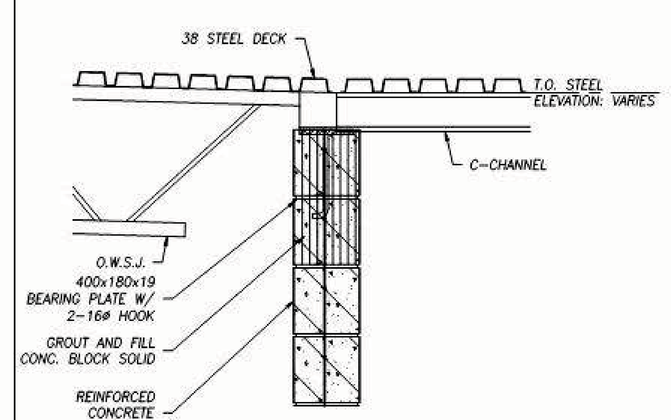
BOLT PATTERN FOR EXPANSION BOLTS

NOT TO SCALE



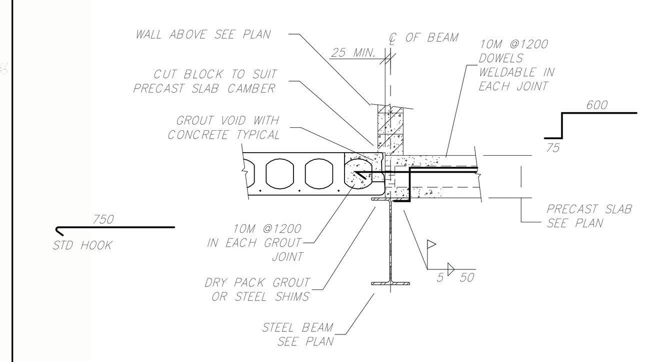
TYPICAL PRECAST SLAB DETAIL AT STEEL COLUMN LOCATION

NOT TO SCALE



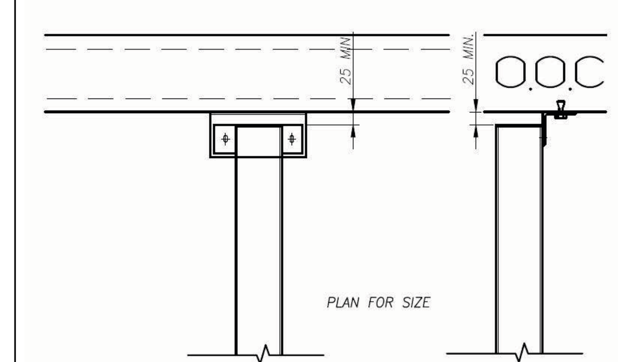
TYPICAL SHARED BEARING PLATE DETAIL

NOT TO SCALE



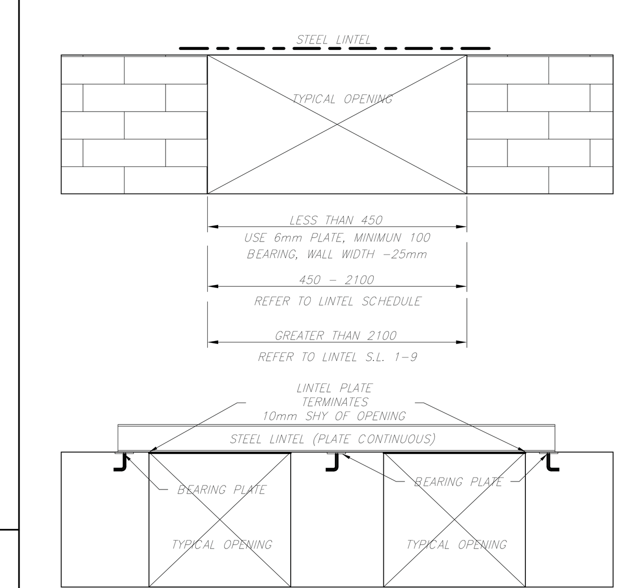
TYPICAL DETAIL OF PERPENDICULAR PRECAST SLABS TOP FLANGE BEARING

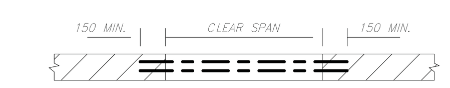
NOT TO SCALE



TYPICAL SLOTTED CONNECTION FOR HSS BELOW PRECAST SLAB

NOT TO SCALE





CLEAR SPAN	140 WALL		190 WALL	
UP to 1199	╨	2∠s 75x65x8	╨	2∠s 90x90x9.5
1200 to 1799	╨	2∠s 90x65x8	╨	2∠s 125x90x9.5
1800 to 2099	╨	2∠s 90x65x10	╨	2∠s 150x90x9.5

CLEAR SPAN	240 WALL		290 WALL	
UP to 1199	╨	2∠s 100x100x9.5	╨L	3∠s 90x90x8
1200 to 1799	╨	2∠s 150x100x9.5	╨L	3∠s 125x90x8
1800 to 2099	╨	2∠s 150x100x9.5	╨L	3∠s 150x90x8

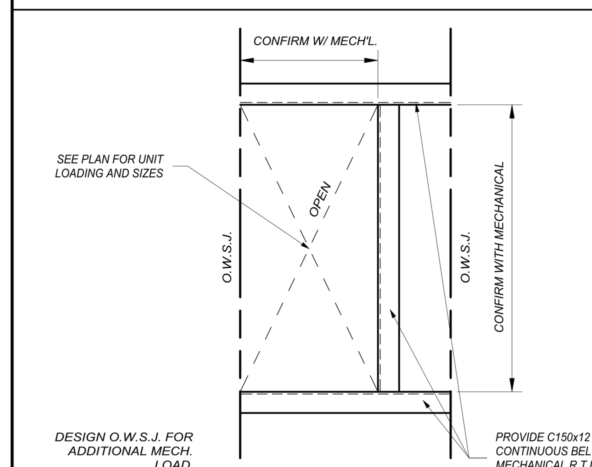
FOR LINTELS IN 90 VENEER, USE 1 ANGLE OF THAT NOTED FOR 190 WALL ON SIMILAR SPAN.

FOR LINTELS IN 90 VENEER, USE 1 ANGLE OF THAT NOTED FOR 190 WALL ON SIMILAR SPAN.

DOUBLE ANGLES TO BE STITCH WELDED BACK TO BACK. LINTELS TO HAVE A BOLTED CONNECTION TO COLUMNS. LINTELS LARGER THAN 2100 TO HAVE BEARING PLATE TYPE A TERMINATE LINTEL PLATES 10mm SHY OF OPENING

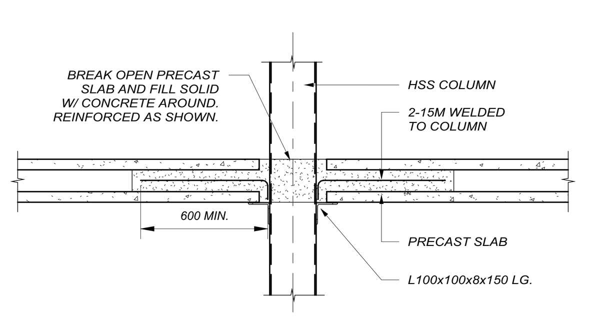
TYPICAL STEEL LINTEL DETAIL

NOT TO SCALE



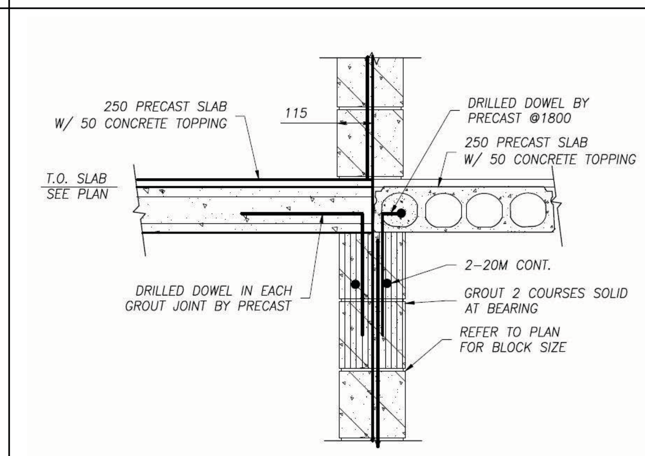
TYPICAL ROOF TOP HVAC UNIT FRAMING

NOT TO SCALE

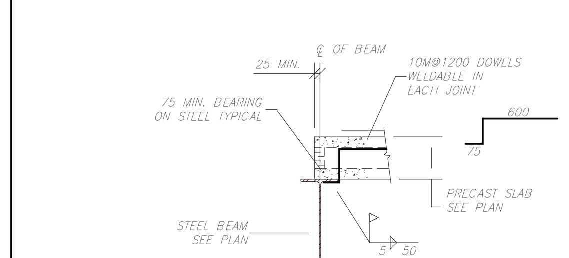


TYPICAL PRECAST DETAIL AT COLUMN

NOT TO SCALE

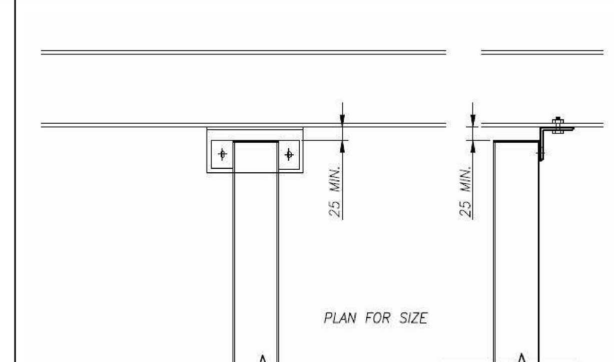


PRECAST SLAB - PERPENDICULAR BEARING/TIE DOWN



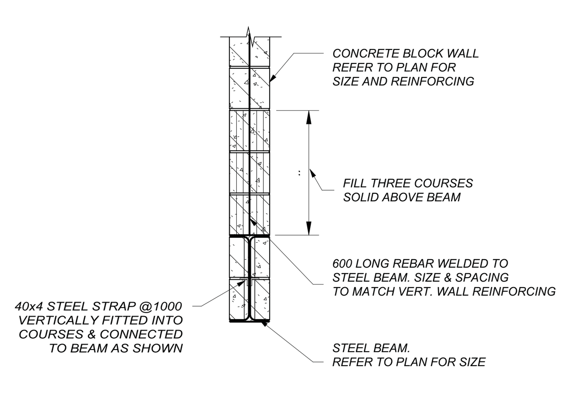
TYPICAL PRECAST SLAB BEARING DETAIL PERPENDICULAR TO STEEL BEAM

NOT TO SCALE



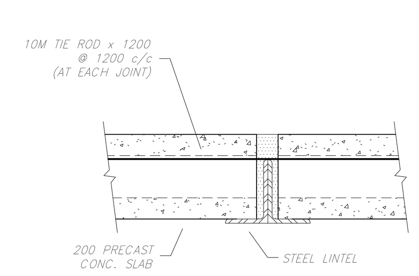
TYPICAL SLOTTED CONNECTION FOR HSS BELOW BEAM

NOT TO SCALE



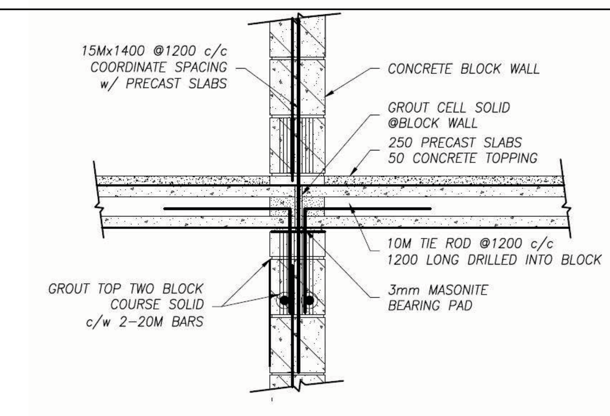
ANCHORAGE DETAIL OF STEEL BEAM TO MASONRY WALL

SCALE 1:20



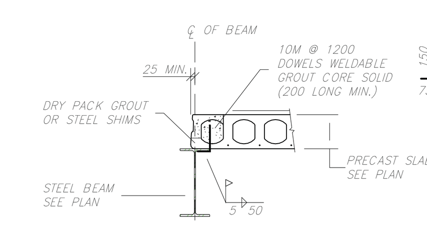
TYPICAL PRECAST DETAIL BEARING ON STEEL ANGLE LINTEL

NOT TO SCALE



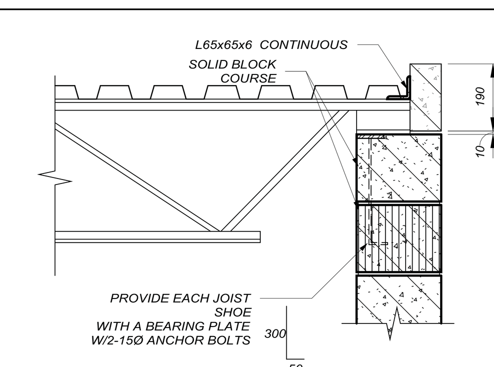
TYPICAL PRECAST DETAIL AT INTERIOR BEARING WALLS

NOT TO SCALE



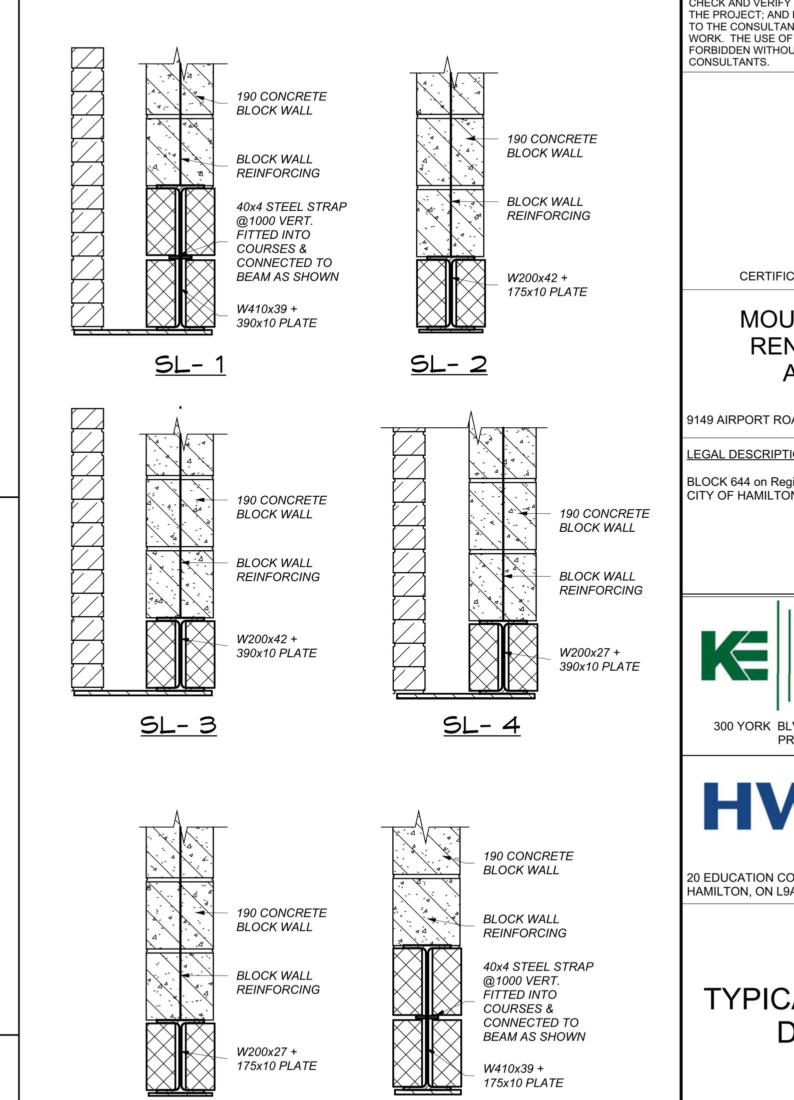
TYPICAL PRECAST SLAB BEARING DETAIL PARALLEL TO STEEL BEAM

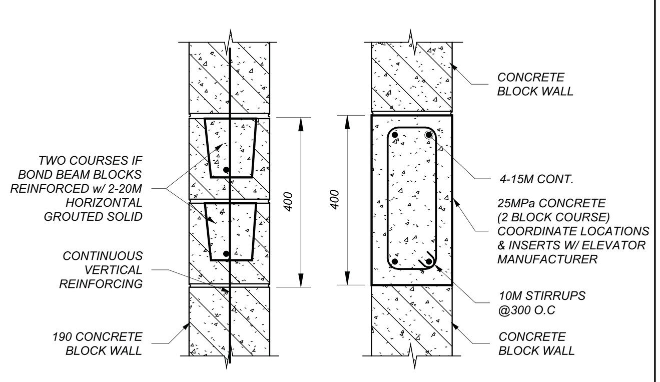
NOT TO SCALE



STEEL JOIST BEARING ON MASONRY (TYPICAL)

NOT TO SCALE



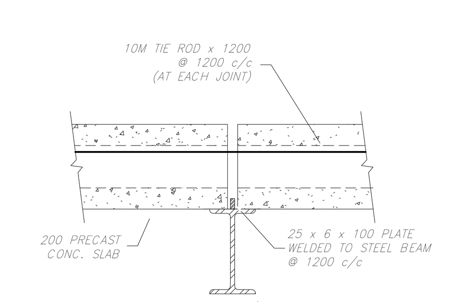


TO BE LOCATED EVERY 1800 CO-ORDINATE LOCATION w/ ELEVATOR MANUFACTURER

OPTION A OPTION B

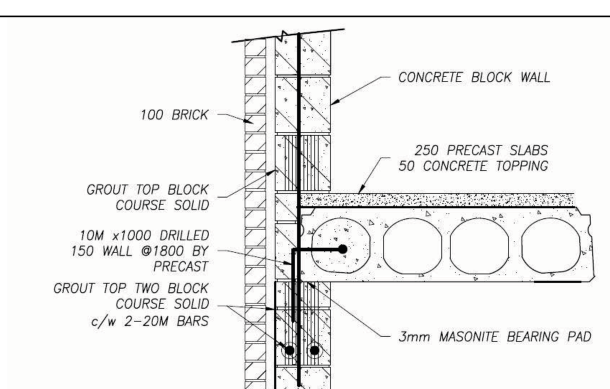
TYPICAL ELEVATOR BOND BEAM

SCALE 1:10



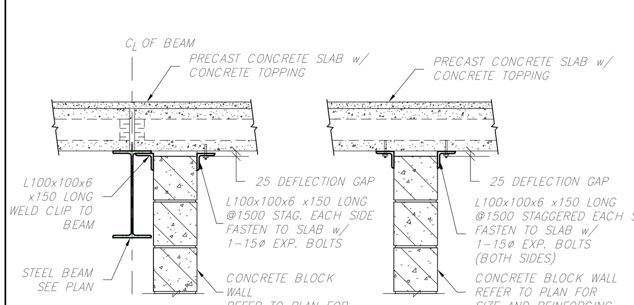
TYPICAL PRECAST DETAIL BEARING ON STEEL BEAM

NOT TO SCALE



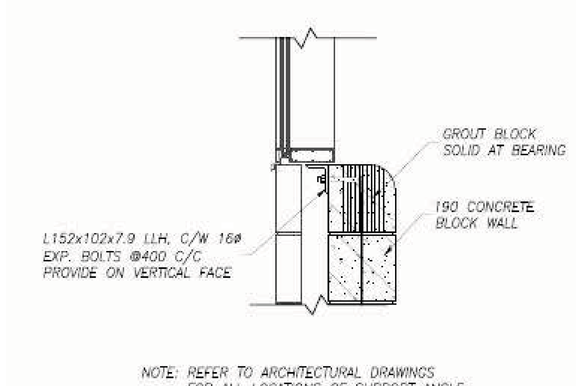
TYPICAL PRECAST DETAIL AT EXTERIOR WALL (PARALLEL TO PRECAST SLABS)

NOT TO SCALE



BRACING OF PARTITION WALLS AT UNDERSIDE OF PRECAST SLAB

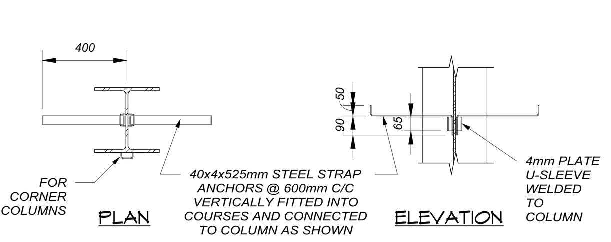
NOT TO SCALE



NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF SUPPORT ANGLE

TYPICAL CURTAIN WALL SUPPORT DETAIL

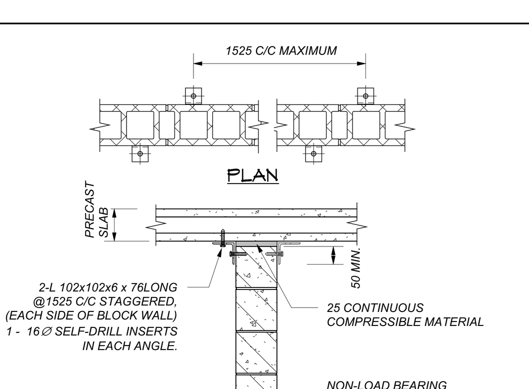
NOT TO SCALE



NOTE : DETAIL AT HSS COLUMN IS SIMILAR TO W-COLUMN.

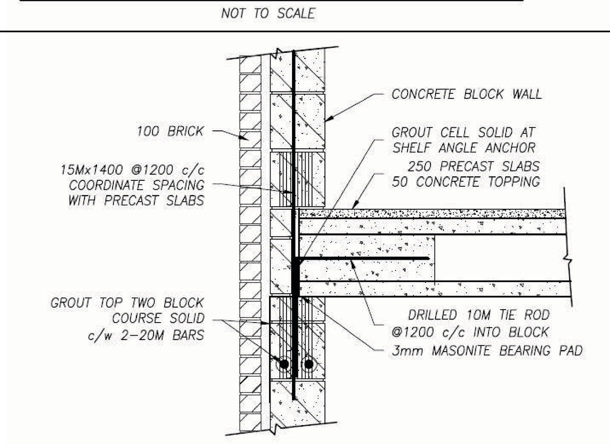
DETAIL OF ANCHORAGE OF STEEL COLUMN TO MASONRY WALL

NOT TO SCALE



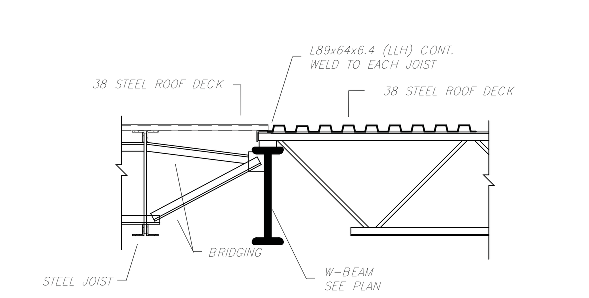
BRACING OF PARTITION WALLS AT UNDERSIDE OF PRECAST SLAB

SCALE 1:20



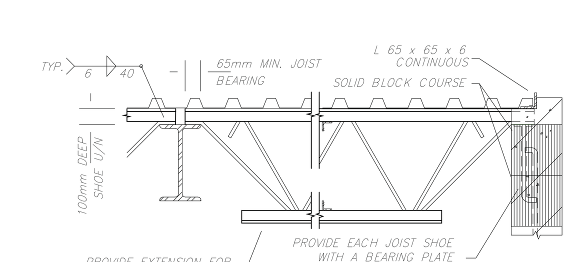
TYPICAL PRECAST DETAIL AT EXTERIOR WALL (PERPENDICULAR TO PRECAST SLABS)

NOT TO SCALE



TYPICAL DECK SUPPORT DETAIL

NOT TO SCALE



STEEL JOIST BEARING ON STEEL AND MASONRY (TYPICAL)

NOT TO SCALE

LICENSED PROFESSIONAL ENGINEER
J. P. G. CAMPANA
100138224
25-11-20
Project No. 24139
PROVINCE OF ONTARIO

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
1	30% COORDINATION SET	25-02-27

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CERTIFICATE OF PRACTICE #4292

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266, CITY OF HAMILTON

KALOS ENGINEERING

300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB

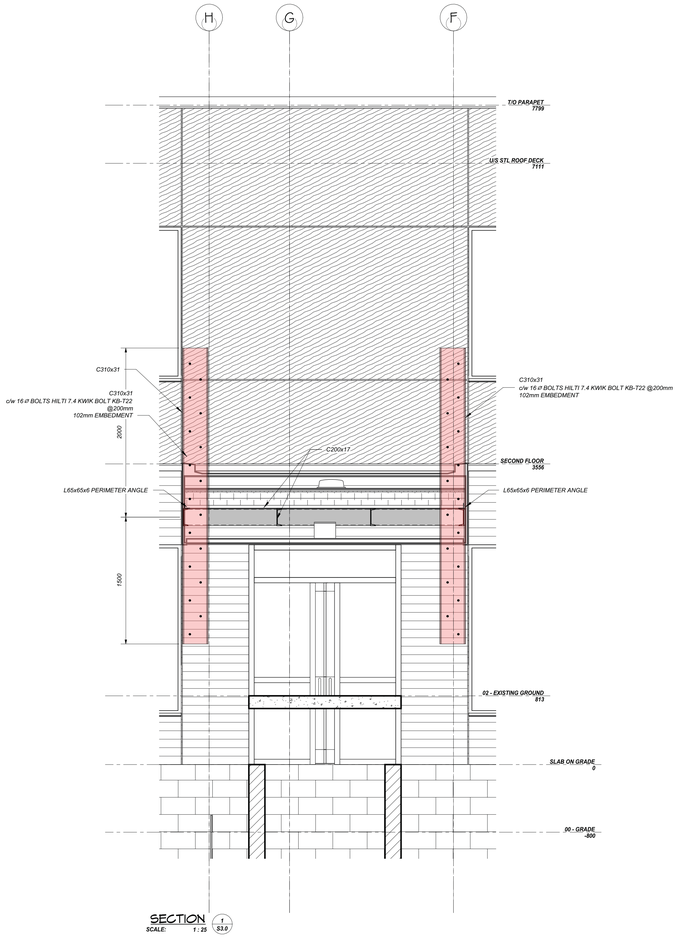
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

TYPICAL FRAMING DETAILS

HOSSACK ARCHITECTURE

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

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN Q. NGUYEN	DRAWING S4.0
CHECKED EGH	
PRINT DATE	11/18/2025 4:12:32 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



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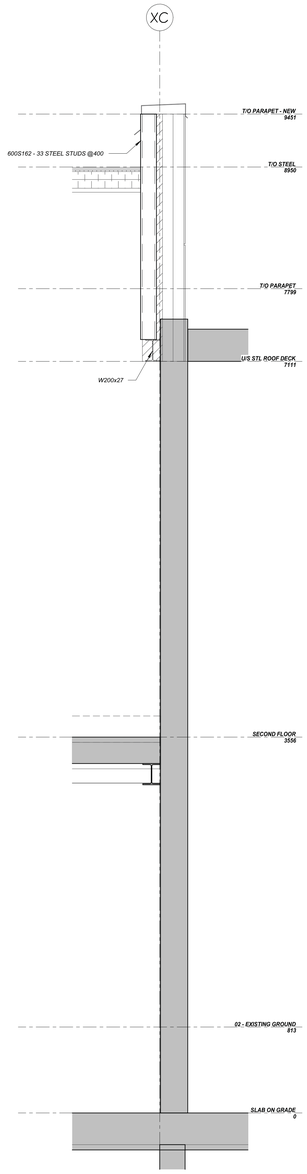
SCALE: 1 : 25



SECTION 2 / S3.0
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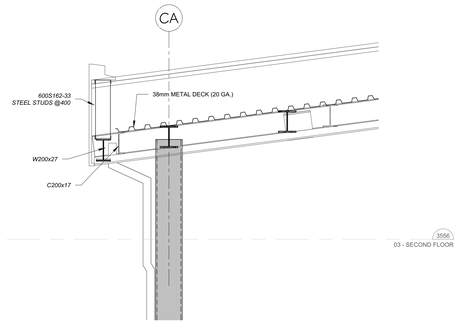

SECTION 6 / S3.0
SCALE: 1 : 20

LICENSED PROFESSIONAL ENGINEER
J. P. G. CAMPANA
100138224
25-11-20
No. 24139
PROVINCE OF ONTARIO

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
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MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

BLOCK 644 on Registered Plan 62M-1266,
CITY OF HAMILTON

KALOS ENGINEERING

300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

CROSS SECTIONS

HOSSACK
ARCHITECTURE

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

SCALE As indicated	PROJECT 24139
DATE MARCH 2025	
DRAWN Author	DRAWING S4.1
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:32 PM
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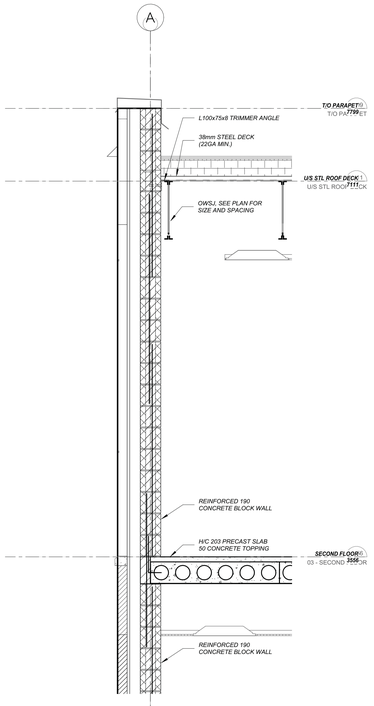

SECTION 1 S3.0
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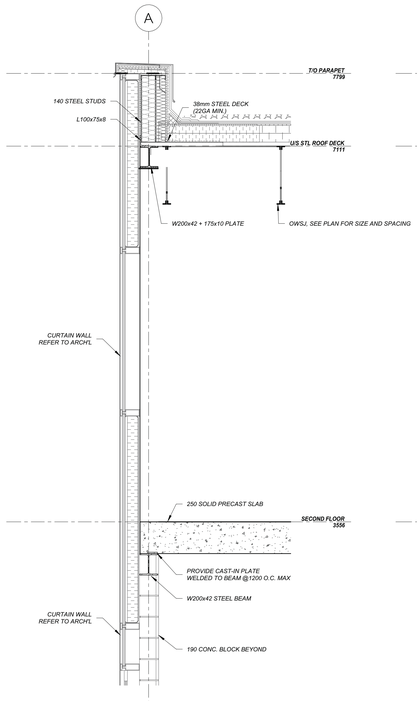

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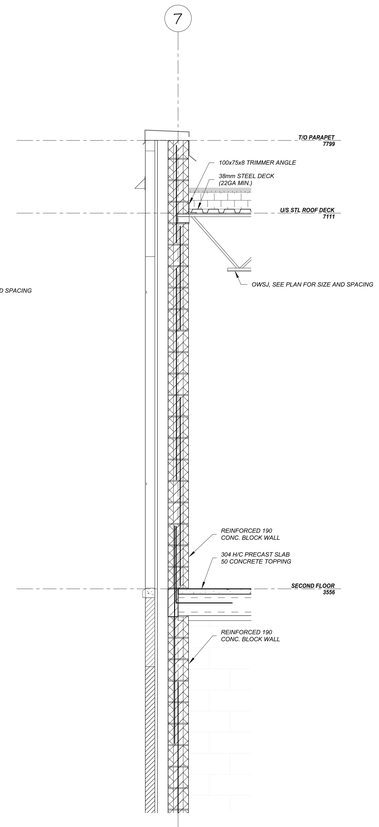

SECTION 3 S3.0
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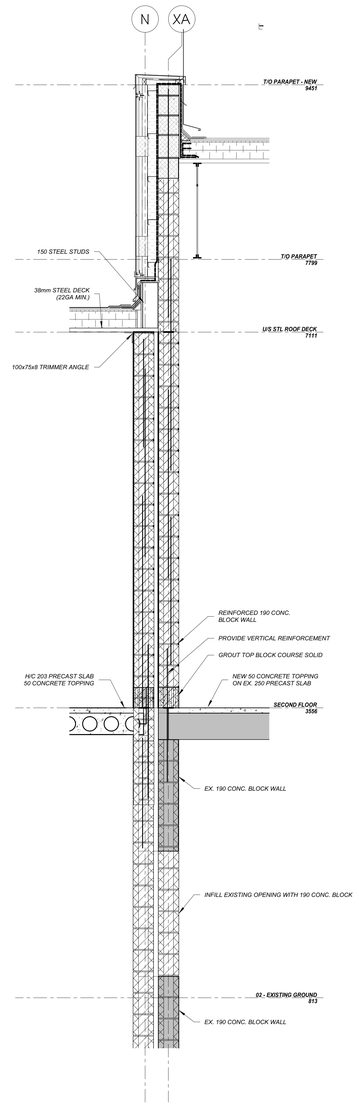

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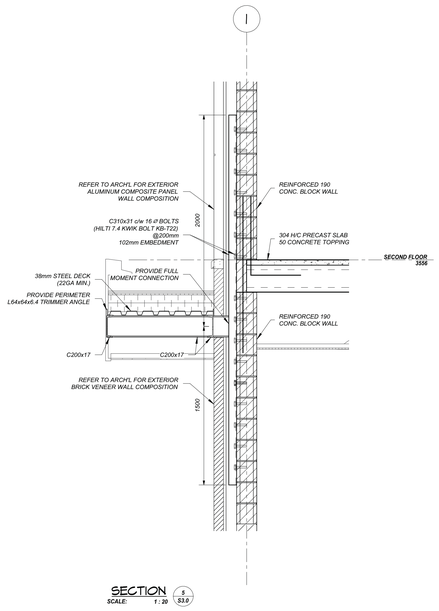

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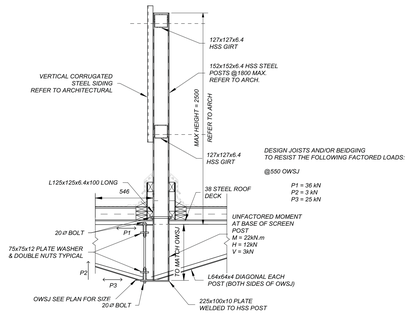

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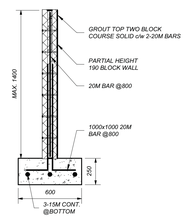

SECTION 7 S3.1
SCALE: 1 : 20

NO.	DESCRIPTION	DATE
5	ISSUED FOR TENDER	25/11/20
4	ISSUED FOR PERMIT	25/07/25
3	OWNER REVIEW	25-05-02
2	COORDINATION	25-03-31
1	30% COORDINATION SET	25-02-27

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9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

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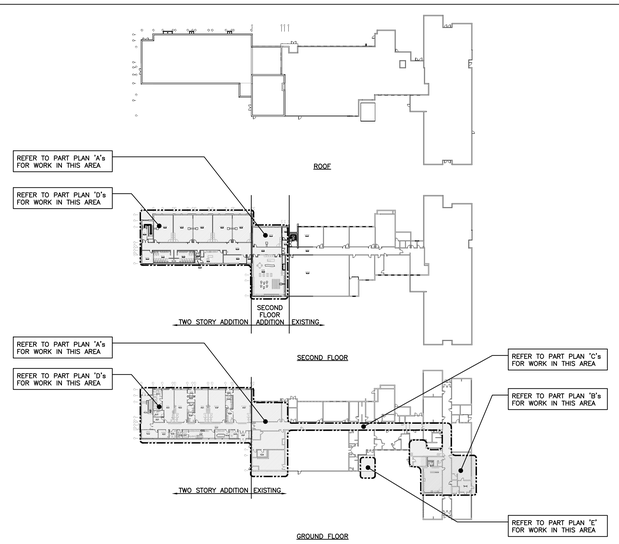
300 YORK BLVD. HAMILTON ONT. L8R 3K6
PROJECT No. 24179

HWDSB
20 EDUCATION COURT, HAMILTON, ON L5A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

CROSS SECTIONS

HOSSACK ARCHITECTURE
105 - 1539 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-0284 admin@hossackarch.com

SCALE 1 : 20	PROJECT 24139
DATE MARCH 2025	
DRAWN Author	DRAWING S4.2
CHECKED Checker	
PRINT DATE	11/18/2025 4:12:33 PM
REVIT FILE	T:\2024\24113\02\Revit.RVT



KEY PLAN
SCALE: NTS

GENERAL NOTES

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- ALL PIPING, DUCTWORK, AND EQUIPMENT IS TO BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. SUPPLY AND INSTALL ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATION.
- REFER TO SPECIFICATIONS FOR DETAILS REGARDING REQUIRED SHOP DRAWINGS SUBMISSIONS, INDEPENDENT SITE TESTING, AND SITE WORK NOTIFICATIONS.
- UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATE BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
  - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
  - BACKFLOW TEST CERTIFICATE(S) FOR ALL TESTABLE DEVICES
  - COPY OF MANDATORY TSSA/CSA-B149 GAS PRESSURE TEST TAG
  - NFPA-13 SPRINKLER CONTRACTOR'S MATERIAL & TEST CERTIFICATE
  - NFPA-13 FIRE PROTECTION BYPASS FLOW TEST
  - FIRE PROTECTION ENGINEER'S INSPECTION/CONFORMANCE LETTER
  - MECHANICAL SEISMIC RESTRAINT ENGINEER'S INSPECTION/CONFORMANCE LETTER
  - LETTER FROM CONTRACTOR VERIFYING THAT ALL REFRIGERATION LEAK DETECTION SYSTEMS AND THEIR INTERLOCKS TO DOWNSTREAM DEVICES HAVE BEEN INSTALLED AND TESTED.
  - TSSA REPORT FOR NEW BOILER/PRESSURE VESSEL INSTALLATION

ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
	CUT EXISTING & CONNECT NEW PIPING		BACKFLOW PREVENTOR	CO	FLOOR CLEANOUT
	FLOW DIRECTION		REDUCED PRESSURE BACKFLOW PREVENTOR	CO	LINE CLEANOUT
	DOMESTIC COLD WATER PIPING		UNION	TP	TEMPERATURE & PRESSURE RELIEF VALVE
	DOMESTIC HOT WATER PIPING		STRAINER		PRESSURE GAUGE
	DOMESTIC HOT WATER RECIRC. PIPING		PRESSURE & TEMPERATURE TEST STATION		TEMPERATURE GAUGE
	DOMESTIC TEMPERED WATER PIPING		DRAIN (SCHEMATICS)		THERMOMETER
EX-SAN	EXISTING SANITARY PIPING	VB	VACUUM BREAKER	FS	FLOW SWITCH
EX-SAN	EXISTING SANITARY PIPING BELOW FLOOR		SCREWED OR WELDED PIPE CAP	PRV	PRESSURE REDUCING VALVE
SAN	SANITARY PIPING ABOVE FLOOR	NO	NORMALLY OPEN		THERMOSTAT (WITH OR WITHOUT GUARD)
SAN	SANITARY PIPING BELOW FLOOR	NC	NORMALLY CLOSED		TURNING VANES
EX-STM	EXISTING STORM PIPING ABOVE FLOOR		PLUG VALVE		SUPPLY AIR DUCT
EX-STM	EXISTING STORM PIPING BELOW FLOOR		BALL VALVE		RETURN/EXHAUST AIR DUCT
STM	STORM PIPING ABOVE FLOOR		BUTTERFLY VALVE		ACOUSTIC DUCT LINING
STM	STORM PIPING BELOW FLOOR		GATE VALVE		THERMAL INSULATION
CD	CONDENSATE PIPING	AV	AIR VENT		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
	VENT PIPING		GLOBE VALVE		TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
SP	SPRINKLER PIPING		MOTORIZED VALVE ACTUATOR	OBD	OPPOSED BLADE DAMPER
HWS	HEATING WATER SUPPLY PIPING		CONTROL VALVE ACTUATOR		MOTORIZED DAMPER (OPPOSED BLADE)
HWR	HEATING WATER RETURN PIPING		SOLENOID VALVE	FD	FIRE DAMPER
G	NATURAL GAS PIPING		RISER VALVE	FSD	COMBINATION FIRE/SMOKE DAMPER
HPG	HIGH PRESSURE NATURAL GAS PIPING	BV	BALANCING VALVE	SD	SMOKE DAMPER
RL	REFRIGERANT LIQUID PIPING	S	SUPERVISING VALVE	BDD	BACKDRAFT DAMPER
RS	REFRIGERANT SUCTION PIPING		INLINE PUMP		FLEXIBLE ROUND DUCT
TB	THRUST BLOCK		TRIPLE DUTY VALVE		ACOUSTICAL, FLEXIBLE ROUND DUCT
DPRSD FLSH WD	FIRE DEPT CONNECTION	MCV	MODULATING CONTROL VALVE		RIGID ROUND DUCT
FD	FLOOR DRAIN		HEAT TRACING	AL	ALUMINUM DUCT
	TRAP PRIMER	CTE	CONNECT TO EXISTING	Type Size CFM	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
BWV	BACKWATER VALVE	EX	EXISTING DUCT (SIZE AS INDICATED)		HYDRONIC HEATING SIZE, TYPE & CAPACITY
	TEE CONNECTION		PENDENT HEAD	AD	ACCESS DOOR
	PIPE DOWN		UPRIGHT PENDENT HEAD	Type Exp 1 Size 2 Capacity	EXPANSION COMPENSATOR/JOINT
	PIPE UP		CONCEALED PENDENT HEAD	RIC	RETURN IN CABINET
	SIGHT GLASS		SIDEWALL HEAD	AFF	ABOVE FINISHED FLOOR
	FLEXIBLE CONNECTION	FEC	RECESSED CABINET MOUNTED FIRE EXTINGUISHER	AFR	ABOVE FINISHED ROOF
	REDUCER/INCREASER	FE	WALL MOUNTED FIRE EXTINGUISHER		
	CHECK VALVE		WATER METER		
	BALL DRIP CHECK VALVE				

FAN SCHEDULE

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

Item	Type	Capacity cfm	ESP in wc	Fan Speed rpm	Motor hp	Motor Voltage	Acceptable Manufacturer	Description
EF-1	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-2	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-3	CEILING EXHAUST FAN	100	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-4	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-5	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, RA TSTAT, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER. TO BE CONNECTED TO BAS.
EF-6	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-7	CEILING EXHAUST FAN	300	0.25	860	Fhp	120/1/60	BROAN L300E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, RA TSTAT, VIBRATION ISOLATORS. 2.9 SONES SPEED CONTROLLER. TO BE CONNECTED TO BAS.
EF-8	INLINE EXHAUST FAN	800	0.50	1274	1/2	120/1/60	GREENHECK BCF-107	GALVANIZED STEEL HOUSING, CENTIFUGAL FORWARD CURVED GALVANIZED STEEL WHEEL. BELT DRIVEN MOTOR MOUNT ON VIBRATION ISOLATION AND IN AIR STREAM W/BACKDRAFT DAMPER. BIRDSCREEN, SPEED CONTROLLER, TIME OF DAY SCH. TO BE CONNECTED TO BAS
EF-9	CEILING EXHAUST FAN	100	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-10	CEILING EXHAUST FAN	100	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES SPEED CONTROLLER
EF-11	INLINE CABINET EXHAUST FAN	400	0.50	1080	FHP	120/1/60	GREENHECK CSP-A710	GALVANIZED STEEL HOUSING WITH STEEL HOUSING, CENTIFUGAL FORWARD CURVED GALVANIZED STEEL WHEEL. DIRECT DRIVEN, VIBRATION ISOLATION W/BACKDRAFT DAMPER, BIRDSCREEN, SPEED CONTROLLER 2.0 SONES. TO BE CONNECTED TO BAS.
EF-12	INLINE CABINET EXHAUST FAN	600	0.50	895	FHP	120/1/60	GREENHECK CSP-A900	GALVANIZED STEEL HOUSING WITH STEEL HOUSING, CENTIFUGAL FORWARD CURVED GALVANIZED STEEL WHEEL. DIRECT DRIVEN, VIBRATION ISOLATION W/BACKDRAFT DAMPER, BIRDSCREEN, SPEED CONTROLLER, 2.0 SONES. TO BE CONNECTED TO BAS.
EF-13	CEILING EXHAUST FAN	300	0.25	860	Fhp	120/1/60	BROAN L300E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, RA TSTAT, VIBRATION ISOLATORS. 2.9 SONES SPEED CONTROLLER. TO BE CONNECTED TO BAS.
EF-14	CEILING EXHAUST FAN	150	0.25	710	Fhp	120/1/60	BROAN L150E	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES, SPEED CONTROLLER, RA TSTAT
RH-1	RANGE HOOD	240	0.1	–	FHP	120/1/60	BROAN QS2	C/W FILTER & 2 50W HALOGEN LIGHT BULBS. FOR NUMBER & LOCATION OF FANS REFER TO PLAN

GENERAL FAN NOTES:
1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, TWIN CITY (CEILING FANS: BROAN, GREENHECK, ZONEX)
2. PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

GRILLE SCHEDULE

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

Item	Type	Equilizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	YES	NONE	EH PRICE SCDA	MULTICONE, FULLY ADJUSTABLE, 24x24, STEEL CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY-IN T-BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
R1	CEILING RETURN GRILLE (NON-DUCTED)	NO	NONE	EH PRICE 80-CH	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE. C/W CHANNEL BORDER FOR LAY-IN T-BAR CEILING.
E1	EXHAUST GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE. C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
S1	SUPPLY GRILLE	NO	NONE	EH PRICE LBMH-750-15A	FIXED 0° PATTERN, 1/4" SPACING, MILLWORK MOUNTED, SCREWED NARROW BORDER FASTENING, PLASTER FRAME SEALING STRIP AND ACCESSORIES. GRILLE SHALL BE PENCIL PROOF, CONTINOUS GRILLE WITH MITRED COVERS.
R2	RETURN GRILLE	NO	NONE	EH PRICE LBMH-750-15A	FIXED 0° PATTERN, 1/4" SPACING, MILLWORK MOUNTED, SCREWED NARROW BORDER FASTENING, PLASTER FRAME SEALING STRIP AND ACCESSORIES. GRILLE SHALL BE PENCIL PROOF, CONTINOUS GRILLE WITH MITRED COVERS.

GENERAL GRILLE SCHEDULENOTES:
1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER
2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATTE BLACK (WHERE VISIBLE THRU GRILLE).

HYDRONIC HEATING COMPONENT SCHEDULE

Item	Type	Acceptable Manufacturer	Description
H1	CABINET FORCE FLOW HEATER (SEMI-RECESSED)	ENG-A CUH SERIES	16ga STEEL CABINET WITH ROUNDED CORNERS, REMOVABLE PANELS. AND ALUMINUM FIN COIL, 3-SPEED DIRECT DRIVE DOUBLE WIDTH CENTRIFUGAL FANS, AND DISPOSABLE PLEATED FILTER. STAMPED GRILLES ON FRONT TOP INLET & FRONT BOTTOM OUTLET. SEMI RECESSED IN WALL WITH TRIM COLLAR. TO BE CONNECTED TO BAS.
H2	CABINET FORCE FLOW HEATER (RECESSED)	ENG-A CUH SERIES	16ga STEEL CABINET WITH ROUNDED CORNERS, REMOVABLE PANELS. AND ALUMINUM FIN COIL, 3-SPEED DIRECT DRIVE DOUBLE WIDTH CENTRIFUGAL FANS, AND DISPOSABLE PLEATED FILTER. STAMPED GRILLES ON FRONT TOP INLET & FRONT BOTTOM OUTLET. SEMI RECESSED IN WALL WITH TRIM COLLAR. TO BE CONNECTED TO BAS.
H3	RADIATION CEILING PANEL	ENG-A AIRTEXT HEF-2	SUITABLE FOR T-BAR INSTALLATION C/W TRIM KIT FOR ADJACENT INSTALLATION & 2" THICK INSULATION ABOVE. PROVIDE FILLER PANELS AS REQUIRED.
H4	HORIZONTAL UNIT HEATER	ENG-A H SERIES	HORIZONTAL, HUNG, 16ga STEEL CABINET WITH ROUNDED CORNERS, AND ALUMINUM FIN COIL, DIRECT DRIVE PROPELLER TYPE FAN WITH FAN GUARD, AND ADJUSTABLE DIRECTIONAL DISCHARGE LOUVRE BLADES.
H5	RADIATION ELEMENT	ENG AIR ELEMENT	2 ROW ELEMENT, C/W METAL CABINET

GENERAL HEATING COMPONENT NOTES:
1. ACCEPTABLE MANUFACTURERS: ENGINEERED AIR, SIGMA, RITTLING, SLANT-FIN, ROSEMEX, DUNHAM-BUSH
2. TEMPERATURE RATINGS: EWT=180°F, LWT=160°F, EAT=68°F
3. SIZES & HEAT CAPACITIES ARE NOTED ON THE FLOOR PLANS
4. RAD, CONVECTOR, & CABINET HEATER CABINET FINISHES ARE TO BE FACTORY PRIME COATED SELECTED FROM STANDARD MANUFACTURER'S COLOURS UNLESS OTHERWISE NOTED.
5. UNIT HEATERS FINISH ARE FACTORY APPLIED BAKED ON ENAMEL SELECTED FROM STANDARD MANUFACTURER'S COLOURS.

BOILER SCHEDULE

Item	Type	Input MBH	Output MBH	Flue Vent in	Electrical Voltage	Description	Manufacturer & Model	Burner hp	Burner Electrical Voltage	Remarks
B-3	HEATING WATER BOILER	1000	960	8	120/1/60	STAINLESS STEEL CONDENSING	P-K SOLIS SL-1000	27.5	120/1/60	C/W 24 VOLT CONTROL CIRCUIT, NATURAL MODULATING GAS BURNER, C/W CONDENSATE NEUTRALIZING TANK

VAV CONTROL DAMPER SCHEDULE

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

Item	Type	Capacity Design cfm	Capacity Min. Vent cfm	Heating Min. cfm	Heating Max. cfm	Cooling Min. cfm	Cooling Max. cfm	Size Neck in.	Size Box in.	Cooling Water Temp. T in °F	Cooling Water Temp. T out °F	Cooling Capacit MBH	Cooling Flow Usgpm	Acceptable Manufacturer & Model	Remarks
VAV-1.1	SINGLE TERMINAL CONTROL BOX	500	300	300	400	150	650	10	12	180	160	10.8	1.08	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.2	SINGLE TERMINAL CONTROL BOX	900	360	540	720	270	1170	12	14	180	160	19.4	1.94	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.3	SINGLE TERMINAL CONTROL BOX	900	360	540	720	270	1170	12	14	180	160	19.4	1.94	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.4	SINGLE TERMINAL CONTROL BOX	900	360	540	720	270	1170	12	14	180	160	19.4	1.94	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.5	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDVLP KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-1.6	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDVLP KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.1	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDVLP KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.2	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.3	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.4	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.5	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.6	SINGLE TERMINAL CONTROL BOX	1200	480	720	960	360	1560	14	16	180	160	25.9	2.59	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-2.7	SINGLE TERMINAL CONTROL BOX	500	200	300	400	150	650	10	12	180	160	10.8	1.08	EH PRICE: SDV KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.1	SINGLE TERMINAL CONTROL BOX	200	80	120	160	60	260	8	10	180	160	4.3	0.43	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.2	SINGLE TERMINAL CONTROL BOX	150	60	90	120	45	195	6	8	180	160	3.2	0.32	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.3	SINGLE TERMINAL CONTROL BOX	250	100	150	200	75	325	8	10	180	160	5.4	0.54	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.4	SINGLE TERMINAL CONTROL BOX	250	100	150	200	75	325	8	10	180	160	5.4	0.54	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.5	SINGLE TERMINAL CONTROL BOX	250	100	150	200	75	325	8	10	180	160	5.4	0.54	EH PRICE: SDVLP KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.6	SINGLE TERMINAL CONTROL BOX	200	80	120	160	60	260	8	10	180	160	4	0.43	EH PRICE: SDV KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.7	NOT USED	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VAV-3.8	SINGLE TERMINAL CONTROL BOX	600	240	360	480	180	780	10	12	180	160	13.0	1.30	EH PRICE: SDV KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.9	SINGLE TERMINAL CONTROL BOX	500	200	300	400	150	650	10	12	180	160	10.8	1.08	EH PRICE: SDV KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.10	SINGLE TERMINAL CONTROL BOX	2000	800	1200	1600	600	2600	16	16	180	160	43.2	4.32	EH PRICE: SDV KRUGER	C/W 60" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.
VAV-3.11	SINGLE TERMINAL CONTROL BOX	200	80	120	160	60	260	8	10	180	160	4	0.43	EH PRICE: SDV KRUGER	C/W 36" ATTENUATOR, 2 ROW COIL, & 2 ACCESS DOORS C/W CAM LATCHES.

GENERAL VAV CONTROL DAMPER SCHEDULE NOTES:
ALL VAV'S WITHIN GROUND FLOOR TO BE LOW PROFILE TYPE UNLESS OTHERWISE NOTED.
TO BE CONNECTED TO BAS

WATER HEATER SCHEDULE

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

Item	Type	Input Capacity	Input Medium	Water Side Storage Litres	Water Side Recovery l/h	Manufacturer & Model	Remarks
HWT-1	DOMESTIC WATER HEATER	150 MBH	N. Gas	379	674	A.O. SMITH CYCLONE BTH-150	HIGH EFFICIENCY, 120/1/60, fhp, LOW PROFILE TERMINATION KIT

EXPANSION TANK SCHEDULE

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

Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Accept. Volume (gal.)	Dia. (in.)	Height (in.)	System Connection (in)	Manufacturer & Model	Remarks
ET-1	PRE-PRESSURED DIAPHRAGM	150	200	4.4	3.2	11	15	3/4	AMTROL THERM-X TROL ST-12	FLOOR MOUNTED VERTICAL EXPANSION TANK.

PUMP SCHEDULE

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

Item	Type	Capacity USgpm	Head ft	Size hp	Speed rpm	Voltage	Manufacturer & Model	Remarks
BP-3	CIRCULATION PUMP BOILER	96	25	1.5	1800	575/3/60	BELL & GOSSETT E-90 SERIES 2.0AB	ASSOCIATED WITH BOILER 1, CONNECTED TO BAS FOR COMMAND AND STATUS C/W FLUSH LINE, FLOW GAUGE, FILTER
C-6	CIRCULATION PUMP HEATING LOOP	75	75	5.0	1800	575/3/60	BELL & GOSSETT E-90 SERIES 1.5x1.5x9.5B	C/W FLUSH LINE, FLOW GAUGE, FILTER, VFD WITH REMOTE DIFFERENTIAL PRESSURE SENSORS, VFD TO BE CONTROLLED BY BAS, VIBRATION PADS. DUTY/STAND BY
C-7	CIRCULATION PUMP HEATING LOOP	75	75	5.0	1800	575/3/60	BELL & GOSSETT E-90 SERIES 1.5x1.5x9.5B	C/W FLUSH LINE, FLOW GAUGE, FILTER, VFD WITH REMOTE DIFFERENTIAL PRESSURE SENSORS, VFD TO BE CONTROLLED BY BAS, VIBRATION PADS. DUTY/STAND BY
RP-1	INLINE DOMESTIC RECIRC PUMP	5	15	FHP	1800	120/1/60	BELL & GOSSETT ECOCIRC XL20-35	SUITABLE FOR POTABLE WATER USE, LEAD FREE, TO BE CONNECTED AND CONTROLLED BY BAS.

GREASE INTERCEPTOR SCHEDULE

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

Item	Type	Flow Rate GPM	Grease Capacity lbs (kg)	Dimensions inches H x W x L	Acceptable Manufacturer	Notes
GI-1	RECESSED GREASE INTERCEPTOR	50 (189)	100 (45)	23.5 x 23.5 x 31	CANPLAS ENDURA 3950	RECESSED IN FLOOR INSTALLATION. PROVIDE RISER EXTENSION TO SUIT INSTALLED DEPTH.
GI-2	RECESSED GREASE INTERCEPTOR	50 (189)	100 (45)	23.5 x 23.5 x 31	CANPLAS ENDURA 3950	RECESSED IN FLOOR INSTALLATION. PROVIDE RISER EXTENSION TO SUIT INSTALLED DEPTH.

GREASE INTERCEPTOR GENERAL NOTES:
1. ACCEPTABLE MANUFACTURERS: CAN-AQUA, JRC PLASTIC INTERUPTORS AND PIT BOXES, JONESPEC, CONTOUR, ENDURA
2. HYDROMECHANICAL TYPE INTERCEPTOR, TESTED AND RATED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACT (EPA), COMPLETE WITH FIRE RESISTANT POLYPROPYLENE CONSTRUCTION FOR MOUNTING FLUSH WITH FLOOR WITH ALUMINUM NON-SKID COVERS ON FLOOR COMPLETE WITH FLOW CONTROL FITTING SUITABLY VENTED, AND EXTENSION.
3. THE UNIT SHALL BE ABLE TO TREAT EFFLUENT TO LESS THAN 100 MG/LITRE OF GREASE.

ROOFTOP UNIT SCHEDULE

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

Item	Type	Service	Supply Fan Data: Capacity cfm	ESP in wc	Size hp	Drive	Return Fan Data: Capacity cfm	ESP in wc	Size hp	Drive	Outdoor Air %	Cooling Coil Data: Medium	Coil Type	Total Cap. MBH	Sens Cap. MBH	Rows Fins/in.	Ent Air db/wb	Lvg Air db/wb	Face Vel fpm	Gas Heating Data: Medium	Capacity MBH	Heat Pump Heating Data: Medium	Cap. (MBH) -5F DAT	E.A.T/L.A.T. °F	Energy Recovery Wheel: Summer Recovered MBH	Summer Effectiveness (Total)	Winter Recovered MBH	Winter Effectiveness (Total)	Return Air Data Summer DB	Return Air Data Summer WB	Return Air Data Winter DB	Return Air Data Winter WB	Outside Air Data Summer DB	Outside Air Data Summer WB	Outside Air Data Winter DB	Outside Air Data Winter WB	Off Wheel Data Summer DB	Off Wheel Data Summer WB	Off Wheel Data Winter DB	Off Wheel Data Winter WB	Electrical: Voltage	MCA	Fuse	Manufacturer & Model	Weight lbs	Remarks
RTU-1	SEMI-CUSTOM ROOF TOP

PLUMBING FIXTURE SCHEDULE

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

Item	Type	Connection Sizes					Fixture		Trim		Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
WC-1	WATER CLOSET FLUSH VALVE		1		3	1.5	AMERICAN STANDARD MADERA 2234 001 KOHLER WELLCOMME MANSFIELD BALTIC ZURN	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" OR 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	DELTA 81T201-5 ZURN SLOAN	EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH	SEAT: CENTOCO AM500STSCCSS BEMIS OLSONITE	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-2	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH		1		3	1.5	AMERICAN STANDARD MADERA 3043.001 CRANE KOHLER	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" OR 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	DELTA 81T201-5 ZURN SLOAN	BARRIER FREE, EXPOSED, POLISHED CHROME, EXTERNALLY ADJUSTABLE, DIAPHRAGM TYPE FLUSH VALVE WITH 25 mm (1") SCREWDRIVER ANGLE STOP, OSCILLATING HANDLE, FLUSH CONNECTION AND COUPLING FOR 40 mm (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, SEAT BUMPER AND VACUUM BREAKER. FLUSH CYCLE SET FOR 6 litres (1.5 gal) PER FLUSH. SPECIAL ORDER LEFT/RIGHT HANDED SO THAT HANDLE IS ON TRANSFER SIDE OF FIXTURE.	SEAT: CENTOCO 820STS BEMIS OLSONITE	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-3	WATER CLOSET FLUSH TANK (LOW RESIDENTIAL FLUSH) ROUND BOWL (KINDERGARTEN)		1/2		3	1.5	AMERICAN STANDARD CADET PRO 215DA.154 CRANE KOHLER	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASS'Y, ROUND RIM, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, CHROME LEVER HANDLE, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 4.8 litres (1.26 gal) PER FLUSH.			SEAT: CENTOCO 440STS BEMIS OLSONITE	SEAT: WHITE, ROUND, CLOSED FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-4	WATER CLOSET FLUSH TANK (LOW RESIDENTIAL FLUSH) ROUND BOWL (DAYCARE/INFANT ROOMS)		1/2		3	1.5	AMERICAN STANDARD CADET PRO 215DA.154 CRANE KOHLER	VITREOUS CHINA, TANK WITH LINER & FLAPPER TYPE VALVE ASS'Y, ROUND RIM, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, CHROME LEVER HANDLE, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 4.8 litres (1.26 gal) PER FLUSH.			SEAT: BEMIS NEST STEP 483SLOW OLSONITE	SEAT: WHITE, ROUND, CLOSED FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, POTTY TRAINING SEAT WITH MEGNETIC LATCH TO LID, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
L-1	WALL HUNG LAV SINGLE HANDLE (ELECTRONIC)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD MURRO CRANE KOHLER	WALL-HUNG SINK, VITREOUS CHINA, LOW SHELF, WITH INTREGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, FRONT OVERFLOW, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, CONCEALED SUPPORTS. SIZE: 635 MM X 540 MM (25" X 22 1/2"). CONFIRM MOUNTING HEIGHT WITH ARCH DRAWINGS	DELTA 591T0228TR	CHROME PLATED BRASS ELECTRONIC FAUCET, WASHERLESS, AREATOR, AND DECK PLATE, AC ADAPTOR SUITABLE FOR 120/1/60 (C/W HARDWIRED TRANSFORMER. PROVIDE ALL REQUIRED LOW VOLTAGE TO JB PROVIDED BY ELECTRICIAN). PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 L/MIM (2.2 GPM) AT 413 KPA (60 PSI)		WASTE FITTING: OPEN GRID STRAINER PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
L-2	BARRIER FREE WALL HUNG LAV SINGLE HANDLE (ELECTRONIC)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD MURRO CRANE KOHLER	WALL-HUNG SINK, VITREOUS CHINA, LOW SHELF, WITH INTREGRAL BACK, CONTOURED FRONT, SHALLOW FRONT BASIN, FRONT OVERFLOW, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, CONCEALED SUPPORTS. SIZE: 635 MM X 540 MM (25" X 22 1/2"). CONFIRM MOUNTING HEIGHT WITH ARCH DRAWINGS	DELTA 591T0228TR	CHROME PLATED BRASS ELECTRONIC FAUCET, WASHERLESS, AREATOR, AND DECK PLATE, AC ADAPTOR SUITABLE FOR 120/1/60 (C/W HARDWIRED TRANSFORMER. PROVIDE ALL REQUIRED LOW VOLTAGE TO JB PROVIDED BY ELECTRICIAN). PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 L/MIM (2.2 GPM) AT 413 KPA (60 PSI)	INSULATION: MCGUIRE PROWRAP PWV8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1¼") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
L-3	WALL HUNG LAV SINGLE HANDLE (ELECTRONIC)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD DECLYN CRANE KOHLER	WALL-HUNG SINK, INTEGRAL BACK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 470 MM X 432 MM (18 1/2" X 17"). CONFIRM MOUNTING HEIGHT WITH ARCH DRAWINGS	DELTA 591T0228TR	CHROME PLATED BRASS ELECTRONIC FAUCET, WASHERLESS, AREATOR, AND DECK PLATE, AC ADAPTOR SUITABLE FOR 120/1/60 (C/W HARDWIRED TRANSFORMER. PROVIDE ALL REQUIRED LOW VOLTAGE TO JB PROVIDED BY ELECTRICIAN). PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 L/MIM (2.2 GPM) AT 413 KPA (60 PSI)	INSULATION: MCGUIRE PROWRAP PWV8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1¼") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
L-4	WALL HUNG LAV SINGLE HANDLE (ELECTRONIC)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD DECLYN CRANE KOHLER	WALL-HUNG SINK, INTEGRAL BACK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY, SOAP DEPRESSIONS, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 470 MM X 432 MM (18 1/2" X 17"). CONFIRM MOUNTING HEIGHT WITH ARCH DRAWINGS	DELTA 591T0228TR	CHROME PLATED BRASS ELECTRONIC FAUCET, WASHERLESS, AREATOR, AND DECK PLATE, AC ADAPTOR SUITABLE FOR 120/1/60 (C/W HARDWIRED TRANSFORMER. PROVIDE ALL REQUIRED LOW VOLTAGE TO JB PROVIDED BY ELECTRICIAN). PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 L/MIM (2.2 GPM) AT 413 KPA (60 PSI)	INSULATION: MCGUIRE PROWRAP PWV8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1¼") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
MS-1	MOP SINK	1/2	1/2		3	1 1/2	FIAT MSB 2424 ZURN 1996-24 STERN WILLIAMS MTB-2424	SINK: MOLDED HIGH DENSITY COMPOSITE BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER AND GASKETED OUTLET CONNECTION. OVERALL SIZE: 600 mm X 600 mm X 250 mm HIGH (24" X 24" X 10").	FIAT 830-AA ZURN Z842M1-5H DELTA 28T9	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESET LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 KPA (60 psi).	FIAT ZURN STERN WILLIAMS DELTA	HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBBER HOSE MOP HANGER WALL GUARD: STAINLESS STEEL 600 mm (24") HIGH CONTINUOUS ON ADJACENT WALLS.
S-1	STAINLESS STEEL SINGLE SINK (KINDERGARTEN SINK)		1/2		1.5	1.25	FRANKE LBS 6807 ELKAY	SINK: SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0mm (20 GAUGE) THICK TYPE 302 STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 180 mm (20" x 20" x 7"). SINGLE HOLE.	DELTA 100 MOEN ZURN	FAUCET: CHROME PLATED BRASS, WITH 300mm (12") SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 2 l/min (0.5 gpm) AT 413 kPa (60 PSI).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
S-2	STAINLESS STEEL DOUBLE SINK	1/2	1/2		1.5	1.25	FRANKE LBD6410PCB-1	SINK: DOUBLE COMPARTMENT, LEDGE-BACK. FROM 1.2 mm (18 GAUGE) THICK TYPE 304 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 794 mm X 522 mm X 254 mm (31 1/4 " X 20 9/16" X 10").	DELTA 100 MOEN ZURN	FAUCET: CHROME PLATED BRASS, WITH 300mm (12") SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 2 l/min (0.5 gpm) AT 413 kPa (60 PSI).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
S-3	STAINLESS STEEL TRIPPLE SINK	1/2	1/2		1.5	1.25	NOVANNI 7006 ELKAY FRANKE	SINK: TRIPLE COMPARTMENT, SCULLERY SINK, INTEGRAL-BACKSPLASH. FROM 16 GAUGE, THICK TYPE 302 STAINLESS STEEL. OVERALL SIZES: 1610mm x 690 mm x 860 mm (63 1/2"x27"x34"). EXPOSED SURFACES ARE POLISHED SATIN FINISH. RADIUS COVED BOWLS. CORNER WASTE FITTING. BACKSPLASH DRILLED FOR 8" CENTRE SET.	DELTA 55C1583 MOEN ZURN	FAUCET: CHROME PLATED BRASS, WITH 200mm (8") SWING SPOUT, AERATOR, TWO LEVER HANDLE, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT FLOW RATE TO 2 LITRES/MINIUTE AT 413 KPA (60 psi) COMPLETE WITH SELF CLOSE PRE-RINSE SPRAY WITH SPRING LOADED STAINLESS STEEL HOSE, ADD-ON FAUCET WITH STANDARD 8" TUBULAR SPOUT, ACCESSORIES TO LIMIT FLOW RATE TO 5.7 LITRE/MIN, AERTOR.		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
DF-1	SINGLE DRINKING FOUNTAIN		1/2		1 1/4	1 1/4	ELKAY LZWSSM	WALL HUNG UNIT SHALL PROIVDE 8.0 GPH OF WATER. SHALL PROVIDE 1-1.5 GPM FLOW RATE WITH LAMINAR FLOW TO MINIMIZE SPLASHING. SHALL INCLUDE ANTIMICROBIAL PROTECTED PLASTIC COMPONENTS TO PREVENT MOLD AND MILDEW. BOTTLE FILLING UNIT SHALL MEET ADA GUILDLINES FOR PARALLEL APPROACH. UNIT SHALL MEET ADA GUIDLINES FOR FRONTAL OR PARALLEL APPROACH. UNIT SHALL BE LEAD-FREE DESIGN WHICH MEETS SAFE DRINKING WATER ACT AND IS CERTIFIED TO NSF/ANSI 61 AND CALIFONIA AB1953. UNIT SHALL BE CONCEALED FLOOR MOUNTED WALL CARRIER. COMPLETE WITH FILTER				
WS-1	WASHER SUPPLY VALVE	1/2	1/2				WATTS DWB ZURN WM2961 DELTA	ENCASED WASHING MACHINE VALVE COMPLETE WITH SINGLE LEVER HANDLE VALVE, HEAVY-DUTY MOUNTING STRAPS, KNOCKOUTS FOR A RIGHT OR LEFT MOUNTING, AND A TAILPIECE THAT ADAPTS EASILY TO EITHER ABS OR PVC STANDPIPE.				
EW-1	EYE WASH	1/2	1/2		1 1/4	1 1/4	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.			HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1
NFHB-1	NON-FREEZE WALL HYDRANT		3/4				ZURN Z-1300 MIFAB MHY-20 ANCON HY-725	RECESSED, ENCASED, ALL BRONZE CONSTRUCTION, ANTI-SYPHON, NON FREEZE WALL HYDRANT WITH NON-TURNING OPERATING ROD, FREE FLOATING COMPRESSION VALVE, INTEGRAL VACUUM BREAKER, SELF DRAINING, REPLACEABLE SEAT AND SEAT WASHER. NICKEL BRONZE BOX AND HINGED COVER WITH OPERATING KEY LOCK. NPS 20 MM (¾") HOSE OUTLET.				
FD-1	FLOOR DRAIN				NOTED	1 1/2	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER				
FD-2	FLOOR DRAIN (HEAVY DUTY)				NOTED	1 1/2	ZURN Z-536 MIFAB F1000-C CONTOUR C2400 WATTS FD-100-C OR FD-100-L	HEAVY-DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER.				
FFD-1	FUNNEL FLOOR DRAIN				NOTED	1 1/2	ZURN ZN-415-BF MIFAB F1100-C-EG CONTOUR C2000-R5HNB WATTS FD-100-C-EG-1	COMBINATION FUNNEL FLOOR DRAIN CAST IRON BODY WITH INTEGRAL SEEPAGE PAN, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD STRAINER WITH INTEGRAL FUNNEL. C/W TRAP PRIMER.				
RD-1	ROOF DRAIN (FLOW CONTROL)				NOTED		ZURN ZACF121-CR MIFAB R1200-FBU CONTOUR C1000DMPX WATTS RD-100-ABDK SMITH 1016-C-R-AD	CONTROLLED FLOW; CAST IRON BODY, UNDER DECK CLAMP AND SUMP RECEIVER TO SUIT ROOF CONSTRUCTION, FLASHING CLAMP RING WITH INTEGRAL GRAVEL STOP, BEARING PAN, FLOW CONTROL WEIR ASSEMBLY, ALUMINUM DOME.				
RD-2	ROOF DRAIN				NOTED		ZURN ZA121-CR MIFAB R1200-BU CONTOUR C1000DMP WATTS RD-100-BED-K SMITH 1015-C-R-AD	STANDARD ROOF DRAIN WITH CAST IRON BODY WITH ALUMINUM DOME, UNDER-DECK CLAMP TO SUIT ROOF CONSTRUCTION, ROOF SUMP RECEIVER, FLASHING CLAMP RING WITH INTEGRAL GRAVEL STOP.				
WF-1	WASH FOUNTAIN	1/2	1/2		1 1/2	1 1/4	BRADLEY TRI FOUNT MF2939	WALL MOUNTED TYPE 304 STAINLESS STEEL SUITABLE FOR THREE (3) USERS COMPLETE WITH BACKSLASH AND FLOOR MOUNTED CONCEALED WALL CARRIER.		SENSOR OPERATING FAUCET AT EACH INDIVIDUAL USER, THERMOSTATIC MIXING VALVE PRESET AT 40° CHROME STRAINER, TRAP COVER.		PROVIDE TRAP ENCLOSURE. INSULATE WASTE AND SUPPLIES WITH ULC LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET
WF-2	WASH FOUNTAIN	1/2	1/2		1 1/2	1 1/4	ACORN DSW380	WALL MOUNTED TYPE 304 STAINLESS STEEL SUITABLE FOR THREE (3) USERS COMPLETE WITH BACKSLASH AND FLOOR MOUNTED CONCEALED WALL CARRIER.		SENSOR OPERATING FAUCET AT EACH INDIVIDUAL USER, THERMOSTATIC MIXING VALVE PRESET AT 40° CHROME STRAINER, TRAP COVER.		PROVIDE TRAP ENCLOSURE. INSULATE WASTE AND SUPPLIES WITH ULC LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET

Plumbing Fixture Schedule Notes:

1. MINIMUM UNDERGROUND SANITARY LINE SIZE SHALL BE 50ø (2ø)

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

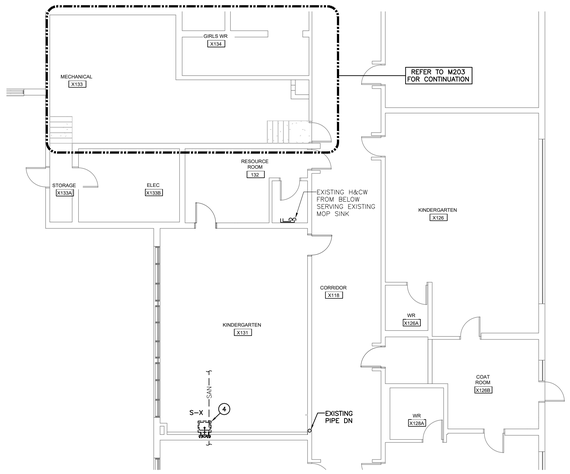
HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

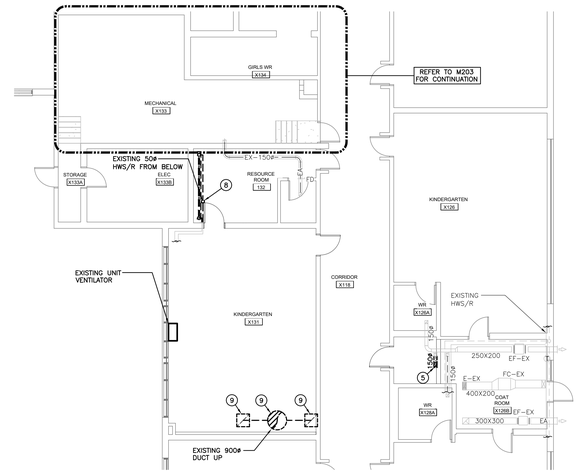
PLUMBING SCHEDULE

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

SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M102
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



GROUND FLOOR PART PLAN 'B' – DEMOLITION – PLUMBING & DRAINAGE
SCALE: 1:100



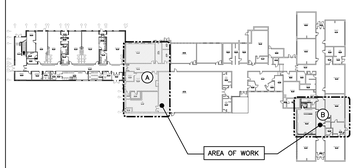
GROUND FLOOR PART PLAN 'B' – DEMOLITION – HEATING & VENTILATION
SCALE: 1:100

GENERAL DEMOLITION NOTES

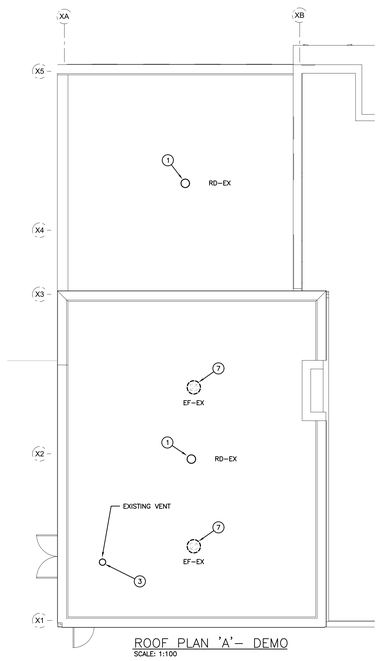
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES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

SPECIFIC DEMOLITION NOTES

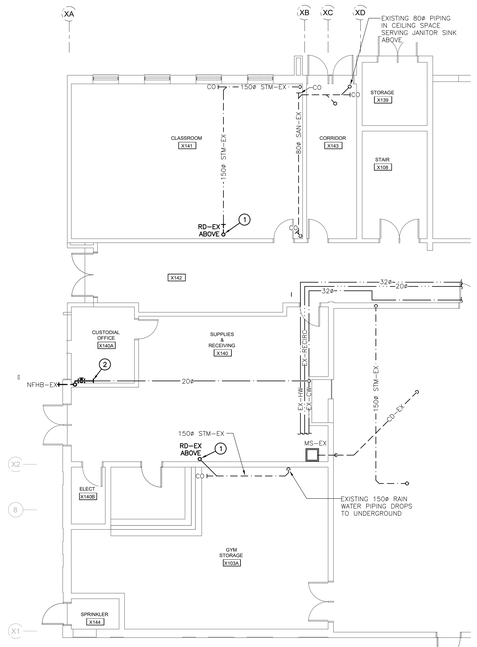
1. REMOVE EXISTING ROOF DRAIN ABOVE AND CAP ASSOCIATED PIPING. PREPARE FOR NEW CONNECTION
2. REMOVE EXISTING NFHB C/W COLD WATER PIPING AND ISOLATION VALVE, RELOCATE NFHB (REFER TO RENO DRAWINGS)
3. REMOVE EXISTING VENT AND CAP, PREPARE FOR NEW CONNECTION
4. EXISTING SINK TO BE REMOVED COMPLETE. CUT AND CAP EXISTING CW & HW & SAN PIPING. PREPARE FOR NEW CONNECTION
5. REMOVE EXISTING GRILLE AND ASSOCIATED BRANCH DUCTWORK AND CAP BACK AT MAIN.
6. REMOVE EXISTING LOUVRE C/W BACKDRAFT DAMPER AND DUCTWORK AS INDICATED. RETAIN LOUVRE AND BDD FOR REUSE IN NEW LAYOUT
7. CUT DUCTWORK AND REMOVE ASSOCIATED EXHAUST FAN. PREPARE FOR NEW CONNECTIONS. (REFER TO RENOVATION PLAN FOR RELOCATED EXHAUST FANS LOCATIONS)
8. REMOVE EXISTING HEATER AND ASSOCIATED PIPING, CAP PIPING BACK AT MAIN. HEATING WATER MAIN PIPING AT LOW LEVEL TO REMAIN.
9. REMOVE EXISTING EXHAUST GRILLES, ASSOCIATED DUCTWORK & EXHAUST FAN ON ROOF COMPLETE. PATCH & MAKE GOOD AS REQUIRED



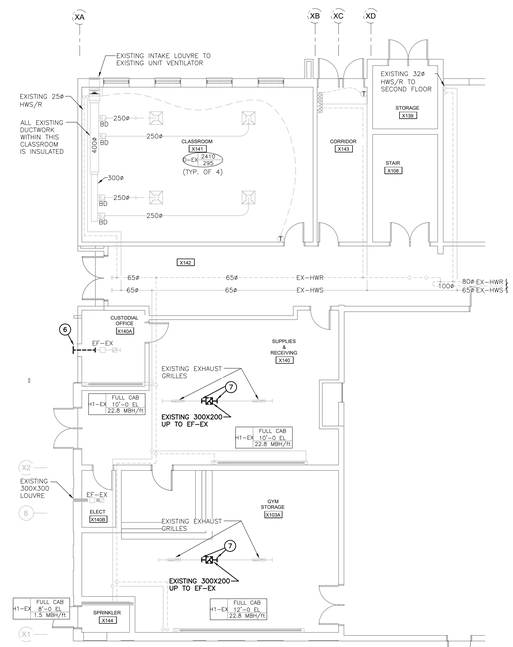
KEY PLAN



ROOF PLAN 'A'– DEMO
SCALE: 1:100



GROUND FLOOR PART PLAN 'A' – DEMOLITION – PLUMBING & DRAINAGE
SCALE: 1:100



GROUND FLOOR PART PLAN 'A' – DEMOLITION – HEATING & VENTILATION
SCALE: 1:100

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100147976
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

20 EDUCATION COURT,
HAMILTON, ON L9A 0B9

(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

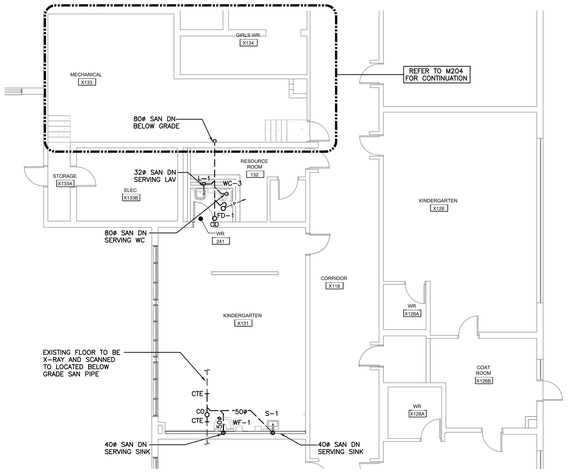
25 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519 747 0055
Website: deiassociates.ca
Project Number: 24114

EXISTING SCHOOL
GROUND FLOOR -
DEMOLITION PART
PLANS

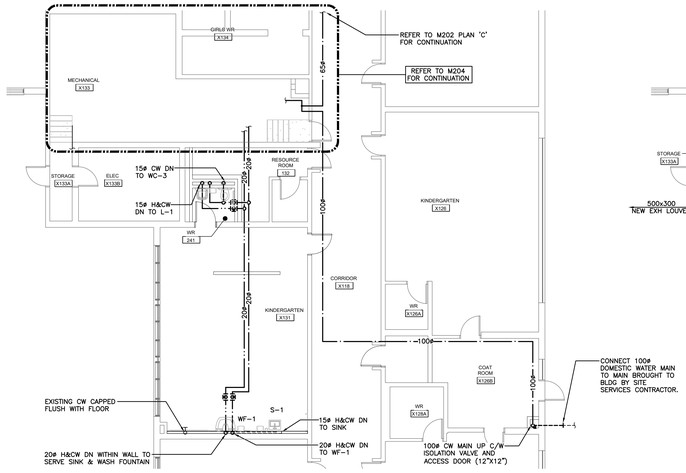
HOSSACK
ARCHITECTURE

165 - 1535 IRONDAK WAY
OAKVILLE ON L6H 5V8
(905) 510-5264 admin@hossackarch.com

SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN HA	DRAWING M201
CHECKED SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



GROUND FLOOR PART PLAN 'B' – RENOVATION – DRAINAGE
SCALE: 1:100



GROUND FLOOR PART PLAN 'B' – RENOVATION – PLUMBING
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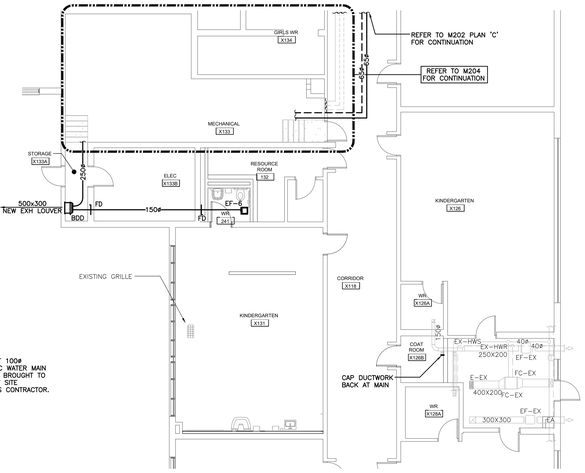
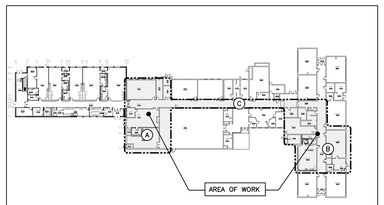


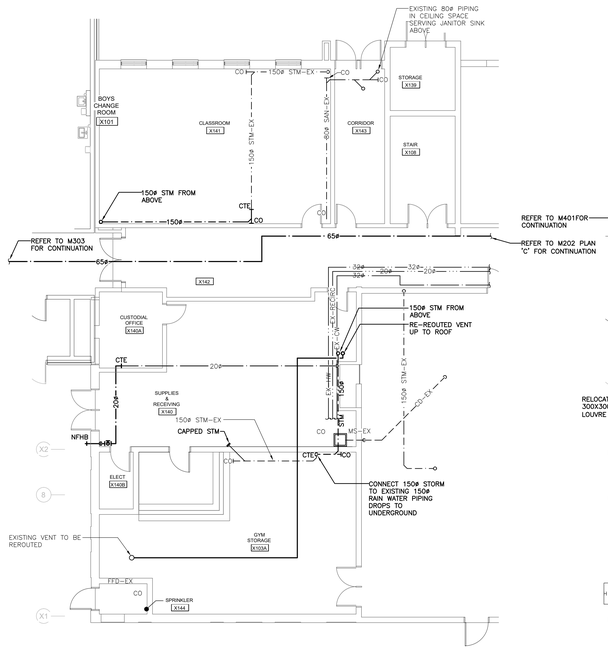
GROUND FLOOR PART PLAN 'B' – RENOVATION – HVAC
SCALE: 1:100

GENERAL NOTES

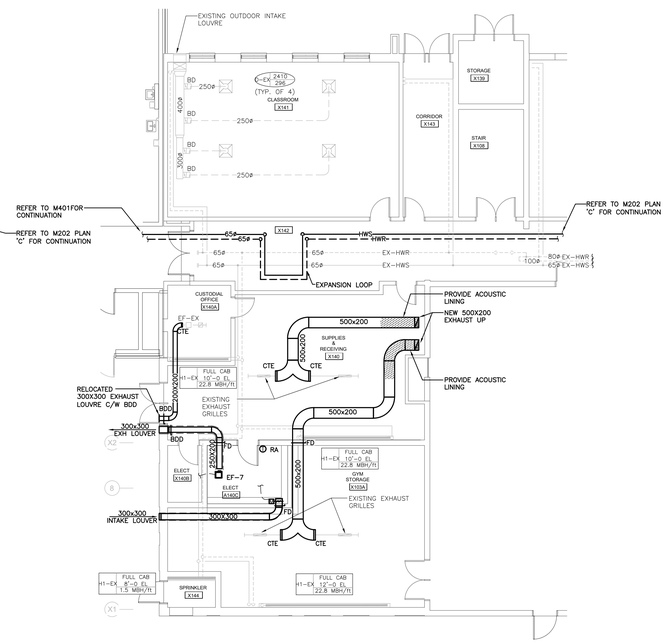
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.



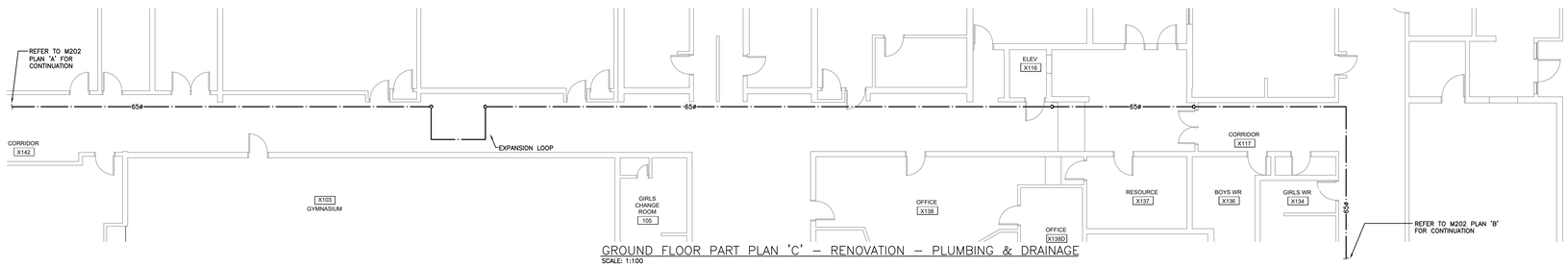
KEY PLAN



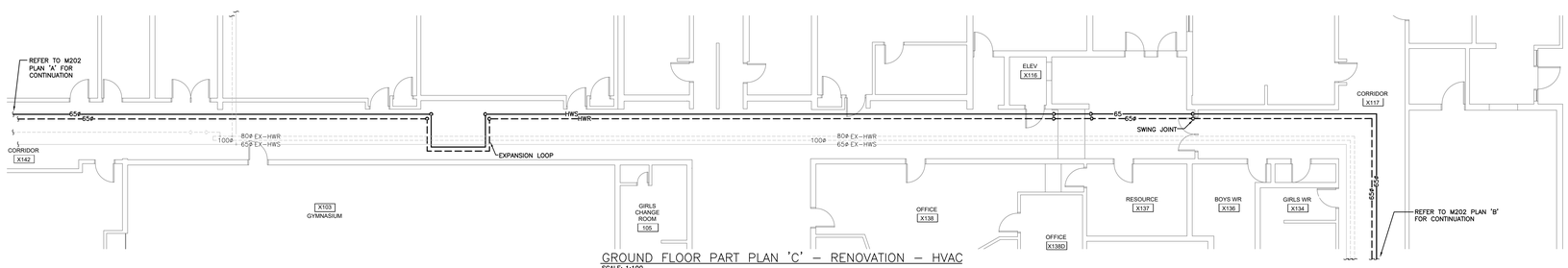
GROUND FLOOR PART PLAN 'A' – RENOVATION – PLUMBING & DRAINAGE
SCALE: 1:100



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



GROUND FLOOR PART PLAN 'C' – RENOVATION – PLUMBING & DRAINAGE
SCALE: 1:100



GROUND FLOOR PART PLAN 'C' – RENOVATION – HVAC
SCALE: 1:100

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10 Nov 25
M.B. WHITE
100180
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.04.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

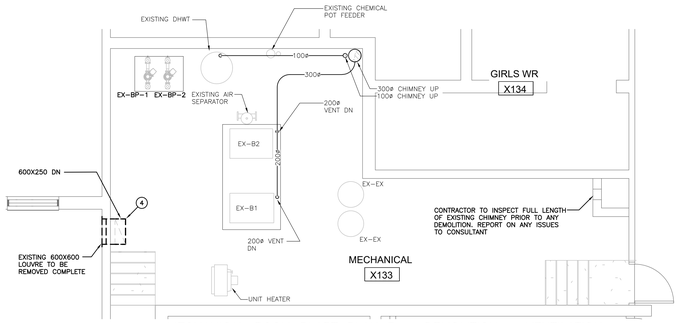
HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-745-1555
Website: deiassociates.ca
Project Number: A2243

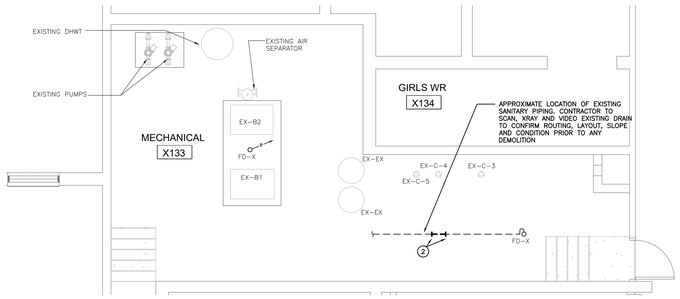
EXISTING SCHOOL GROUND FLOOR - RENOVATION PART PLANS

HOSSACK ARCHITECTURE
105 - 1938 IRONDAK WAY
GRAVELE ON L8H 3V8
905.574.0204 admin@hossackarch.com

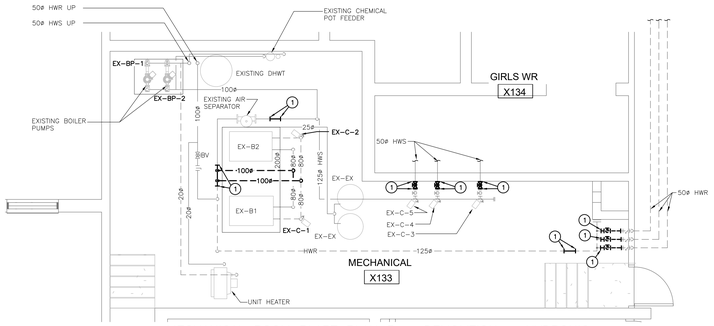
SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN HA	DRAWING M202
CHECKED SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



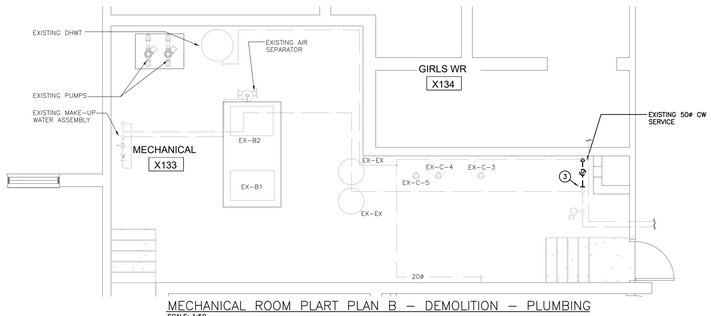
MECHANICAL ROOM PLART PLAN B – DEMOLITION – VENTILATION
SCALE: 1:50



MECHANICAL ROOM PLART PLAN B – DEMOLITION – DRAINAGE
SCALE: 1:50



MECHANICAL ROOM PLART PLAN B – DEMOLITION – HYDRONIC
SCALE: 1:50



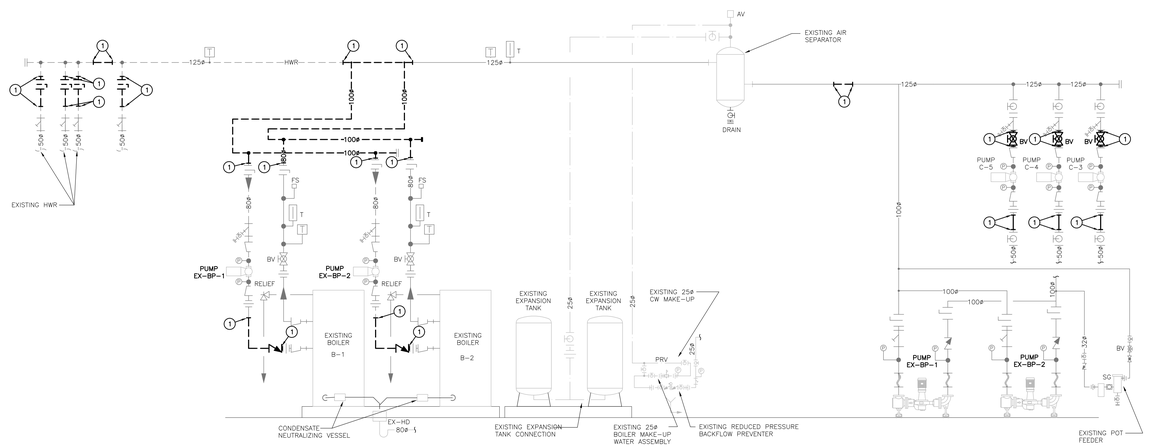
MECHANICAL ROOM PLART PLAN B – DEMOLITION – PLUMBING
SCALE: 1:50

GENERAL DEMOLITION NOTES

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

SPECIFIC DEMOLITION NOTES

1. CUT EXISTING HWR/S & REMOVE PIPING. PREPARE FOR NEW CONNECTIONS.
2. CUT EXISTING SAN & REMOVE PIPING. PREPARE FOR NEW CONNECTIONS. SCAN & LOCATE SAN PIPE PRIOR TO EXCAVATION.
3. REMOVE EXISTING CITY WATER METER AND BACKFLOW PREVENTOR. CUT & CAP EXISTING COLD WATER PIPE FROM STREET AND ABANDON. PREPARE COLD WATER PIPE SERVING SCHOOL (DOWNSTREAM OF BACKFLOW PREVENTOR) FOR NEW CONNECTION. ENSURE NEW SERVICES IS OPERABLE PRIOR TO TERMINATING THIS SERVICE.
4. CUT EXISTING DUCTWORK. PREPARE FOR NEW CONNECTIONS



HYDRONIC SCHEMATIC – DEMO
SCALE: N.T.S

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100157
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

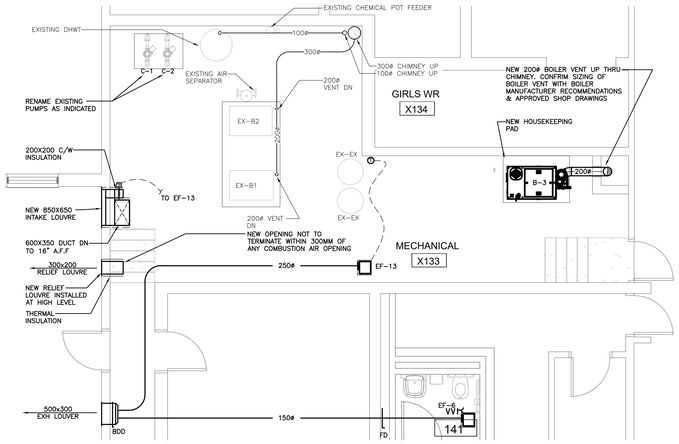
HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjeldy@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, ON, N2J 1Y8
Phone: 519-745-1055
Website: deiservices.ca
Project Number: 24243

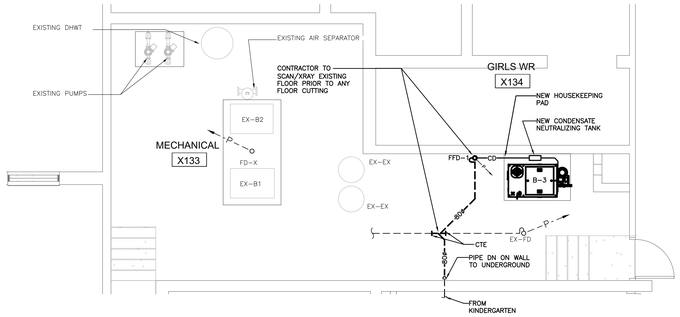
HOSSACK ARCHITECTURE
155 - 1939 IRONSIDE WAY
OAKVILLE, ON L6H 7T4
(905) 915-6281 admin@hossackarch.com

MECHANICAL ROOM PART PLANS & SCHEMATIC - DEMO

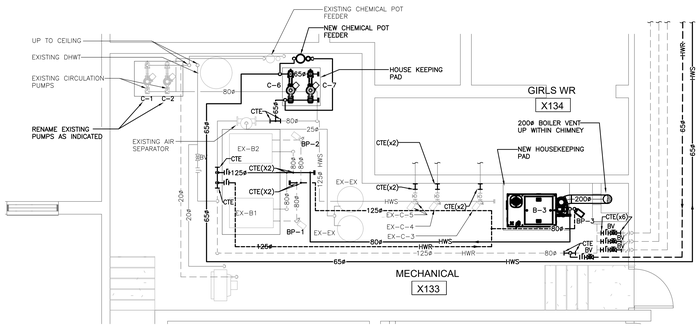
SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M203
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



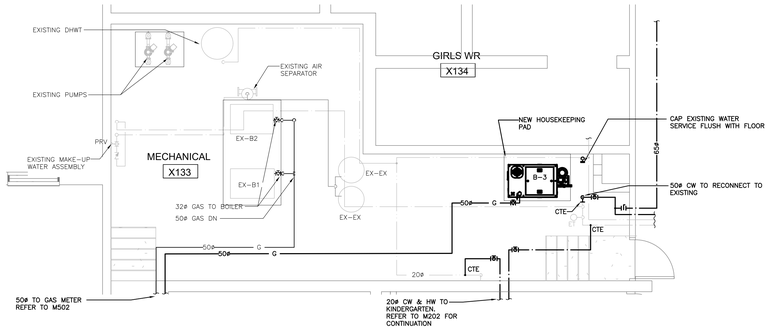
MECHANICAL ROOM PART PLAN B – RENOVATION – VENTILATION
SCALE: 1:50



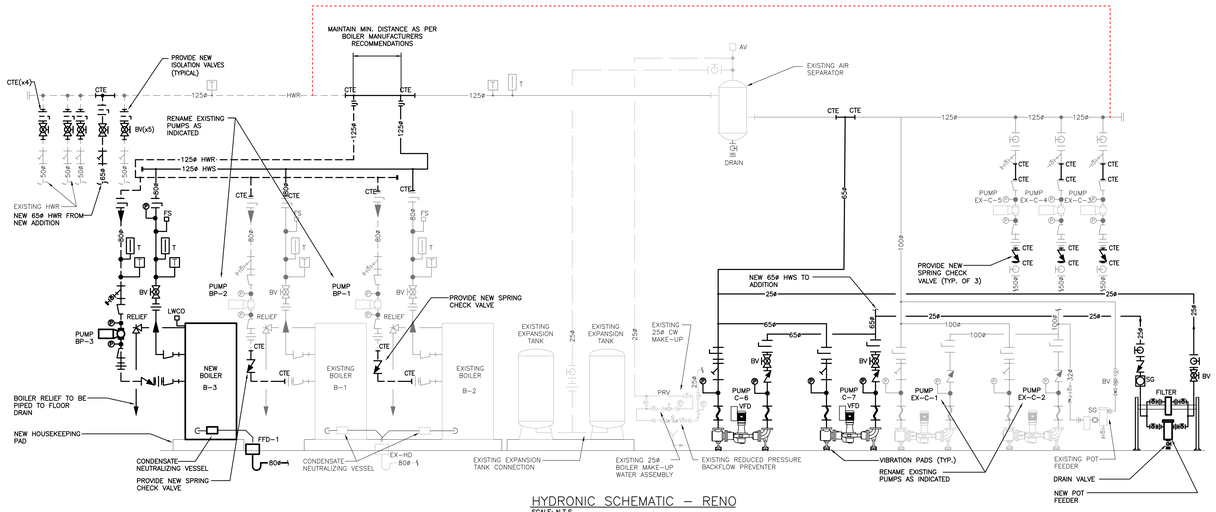
MECHANICAL ROOM PART PLAN B – RENOVATION – DRAINAGE
SCALE: 1:50



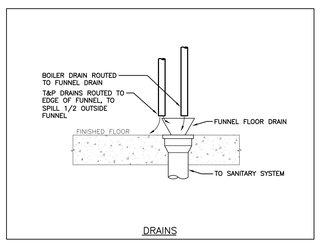
MECHANICAL ROOM PART PLAN B – RENOVATION – HYDRONIC
SCALE: 1:50



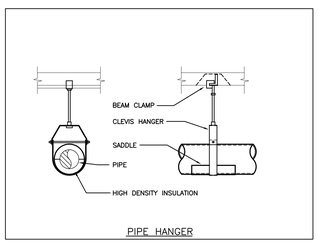
MECHANICAL ROOM PART PLAN B – RENOVATION – PLUMBING
SCALE: 1:50



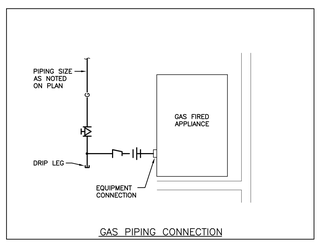
HYDRONIC SCHEMATIC – RENO
SCALE: N.T.S



DRAINS



PIPE HANGER



GAS PIPING CONNECTION

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100457
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjeatty@hwdsb.on.ca

DEI Consulting Engineers
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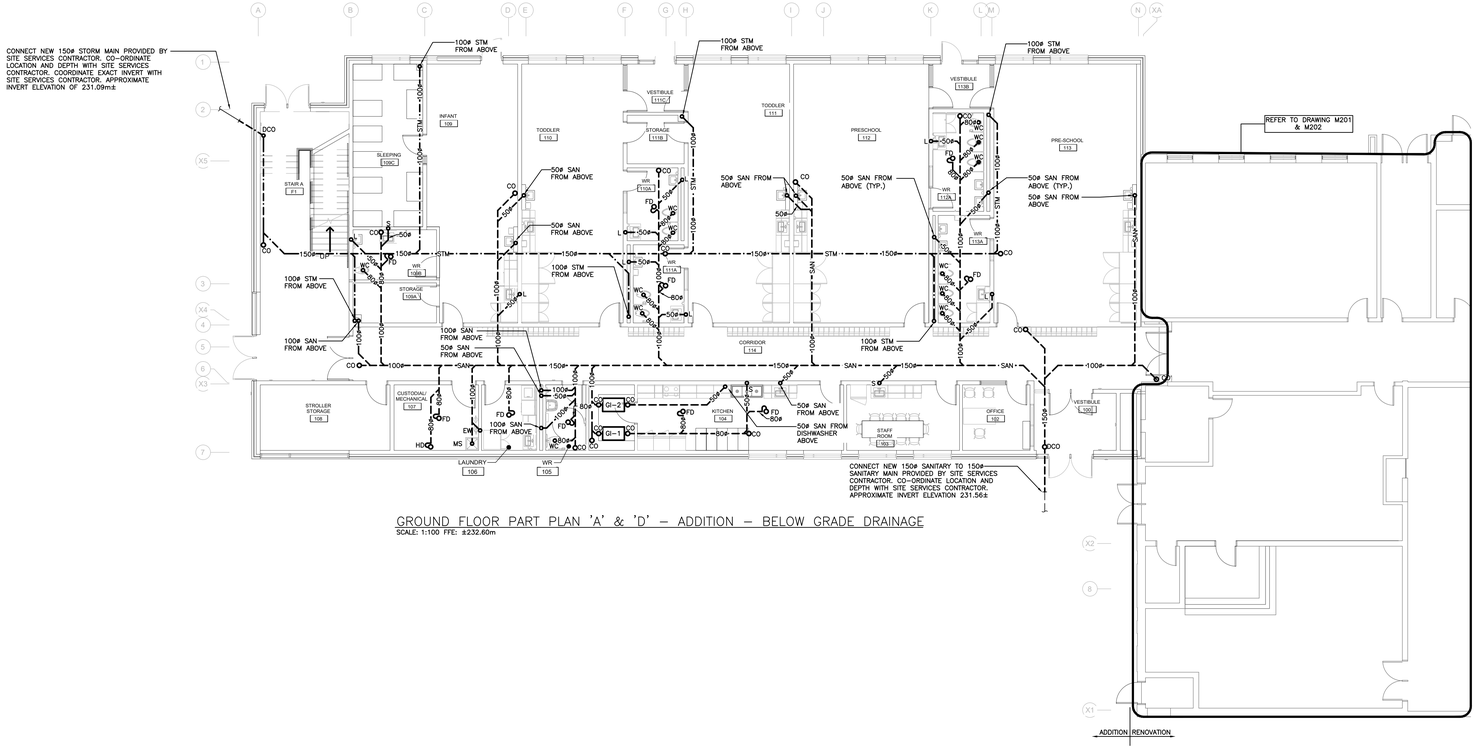
15 Northland Road, Waterloo, ON, N2J 1Y8
Phone: 519-210-2055
Website: deiservices.ca
Project Number: 24243

MECHANICAL ROOM PART PLANS & SCHEMATIC - RENO

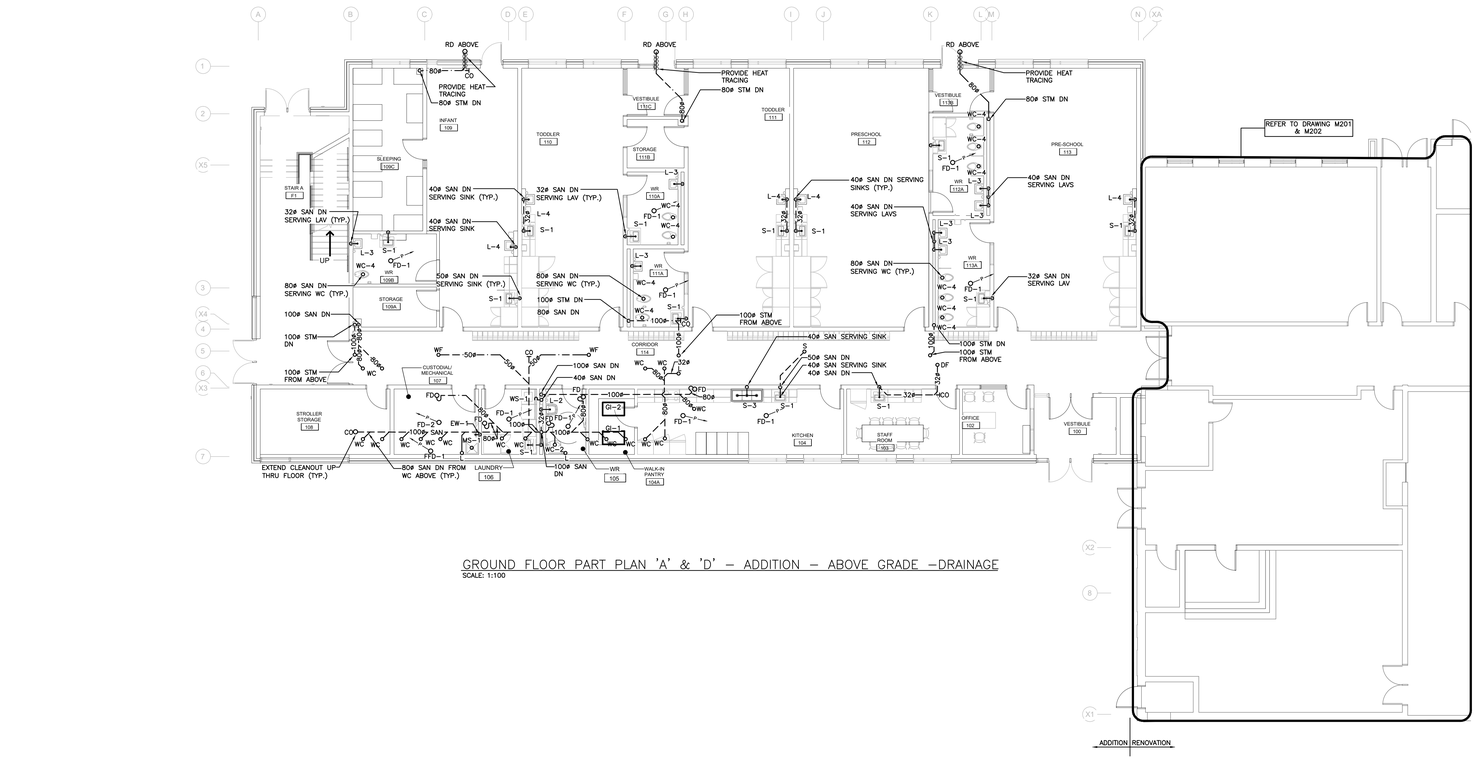
HOSSACK ARCHITECTURE
155 - 1229 IRONSIDE WAY
OAKVILLE, ON L6H 0T8
(905) 815-0281 admin@hossackarch.com

SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M204
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



GROUND FLOOR PART PLAN 'A' & 'D' – ADDITION – BELOW GRADE DRAINAGE

SCALE: 1:100 FFE: ±232.60m

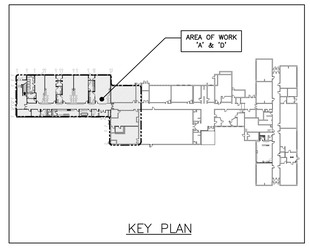


GROUND FLOOR PART PLAN 'A' & 'D' – ADDITION – ABOVE GRADE –DRAINAGE

SCALE: 1:100

GENERAL NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS. CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- CO-ORDINATE UNDERGROUND STORM AND SANITARY PIPING WITH WEEPING TILE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED LOCATIONS.
- ALL FLOOR DRAINS ARE TO BE VENTED AND TRAP SEAL PRIMED. PROVIDE AUTOMATIC TRAP SEAL PRIMERS, MANIFOLDS AND ASSOCIATED PIPING AS REQUIRED.



KEY PLAN

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
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2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

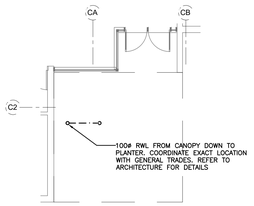
HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
15 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519 745 9555
Website: deiconsultants.ca
Project Number: 14.14.1
MECHANICAL | ELECTRICAL | AQUATIC

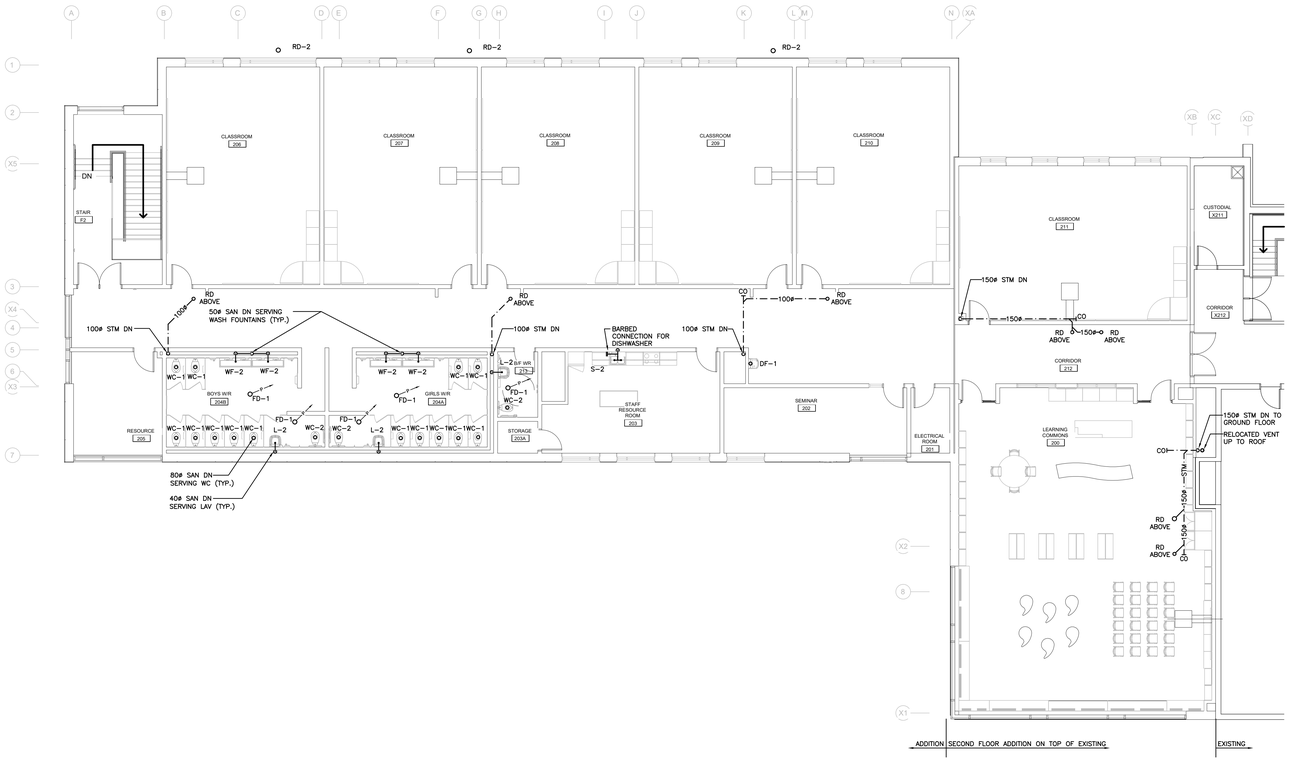
GROUND FLOOR ADDITION PLANS - DRAINAGE

HOSSACK ARCHITECTURE
155 - 1323 IRONDAK WAY
OAKVILLE ON L6H 3V8
(905) 510-6204 admin@hossackarch.com

SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN HA	DRAWING M301
CHECKED SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



CANOPY PART PLAN 'E' – DRAINAGE
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' & 'D'– ADDITION – DRAINAGE
SCALE: 1:100

GENERAL NOTES

- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
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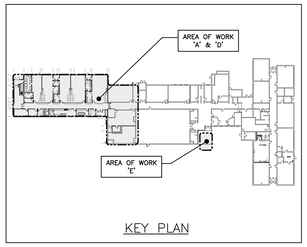
- CO-ORDINATE UNDERGROUND STORM AND SANITARY PIPING WITH WEEPING TILE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED LOCATIONS.
- ALL FLOOR DRAINS ARE TO BE VENTED AND TRAP SEAL PRIMED. PROVIDE AUTOMATIC TRAP SEAL PRIMERS, MANIFOLDS AND ASSOCIATED PIPING AS REQUIRED.
- EXTEND CLEANOUTS UP THROUGH FLOOR (TYPICAL).



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1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

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HWDSB

20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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15 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-745-2055
Website: deiconsultants.ca
Project Number: 24.143

SECOND FLOOR ADDITION PLANS - DRAINAGE

HOSSACK ARCHITECTURE
155 - 1333 IRONDALE WAY
OAKVILLE ON L6H 3V8
(905) 715-0284 admin@hossackarch.com

SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN HA	DRAWING M302
CHECKED SV	
PRINT DATE	
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GENERAL NOTES

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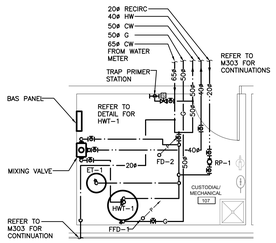
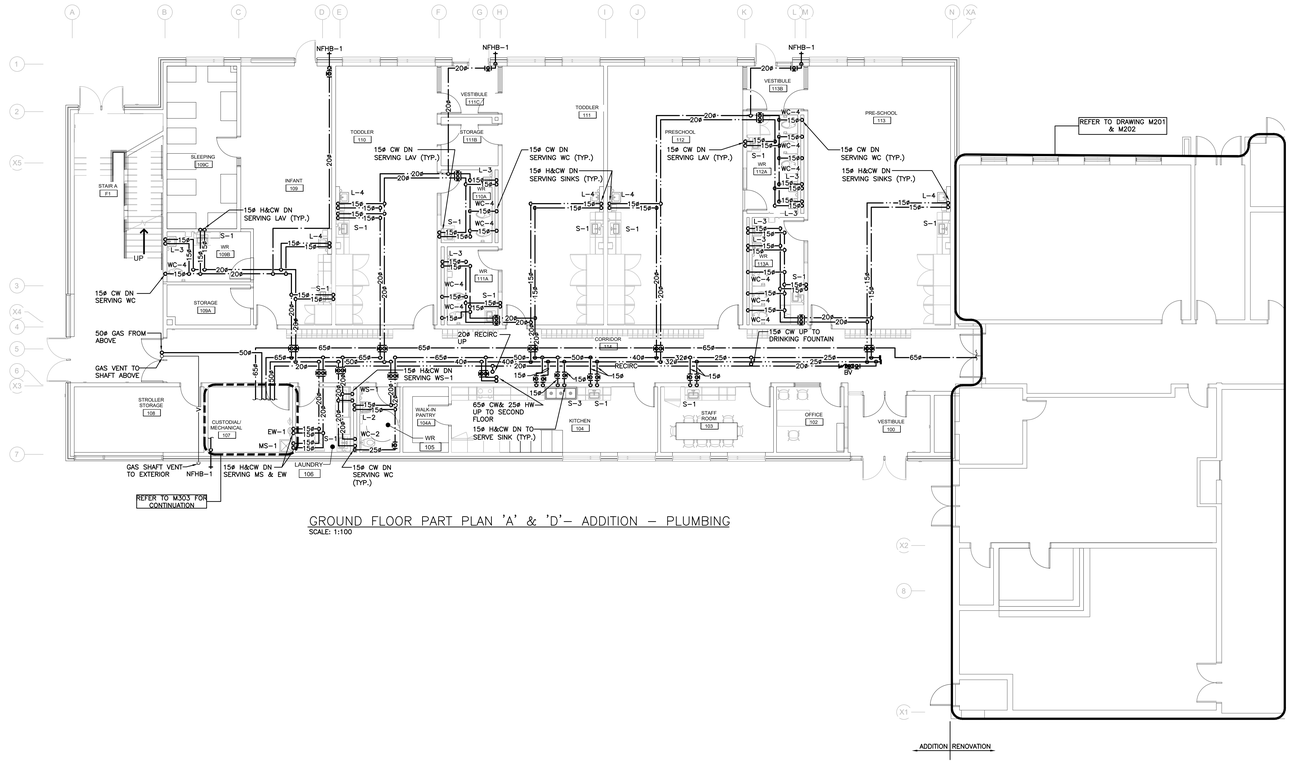
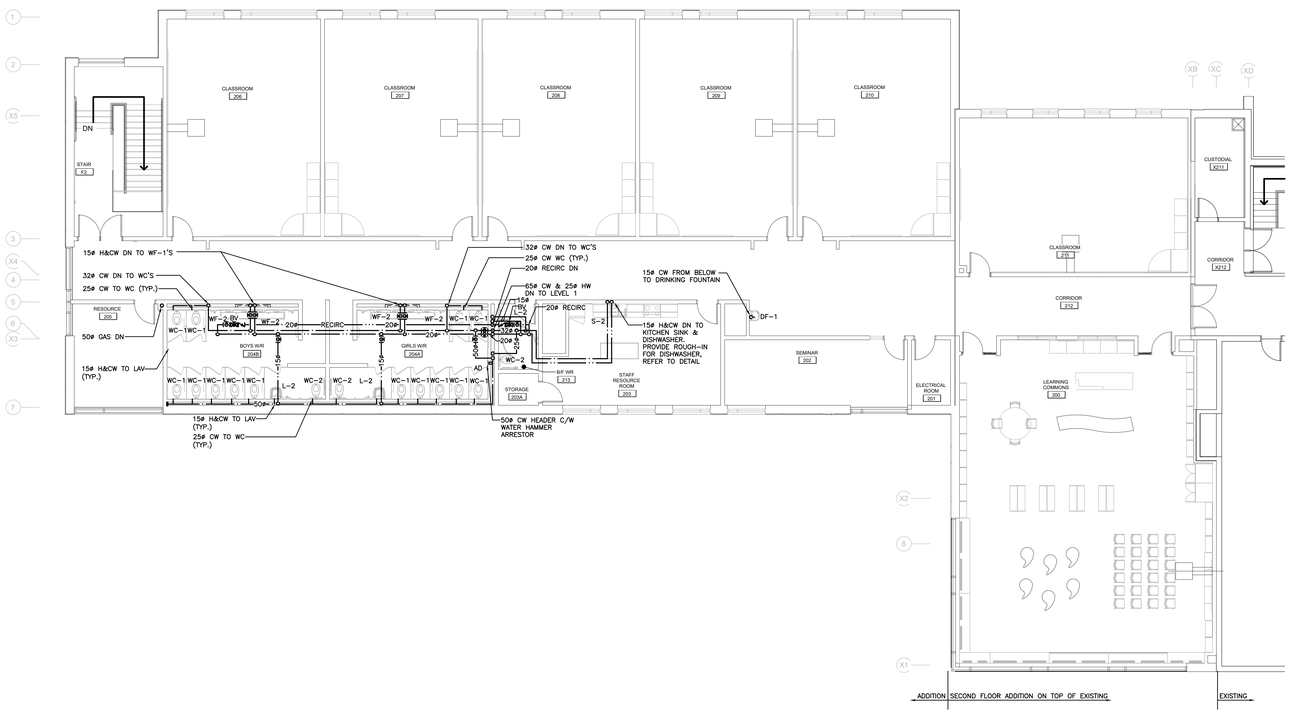


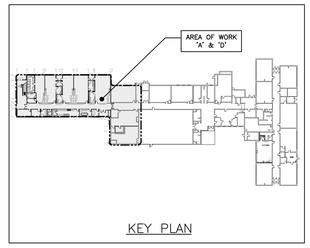
MECH ROOM PART PLAN – PLUMBING & DRAINAGE
SCALE: 1:50



GROUND FLOOR PART PLAN 'A' & 'D'– ADDITION – PLUMBING
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' & 'D'– ADDITION – PLUMBING
SCALE: 1:100



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10 Nov 25
M.B. WHITE
100157
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

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MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjeatty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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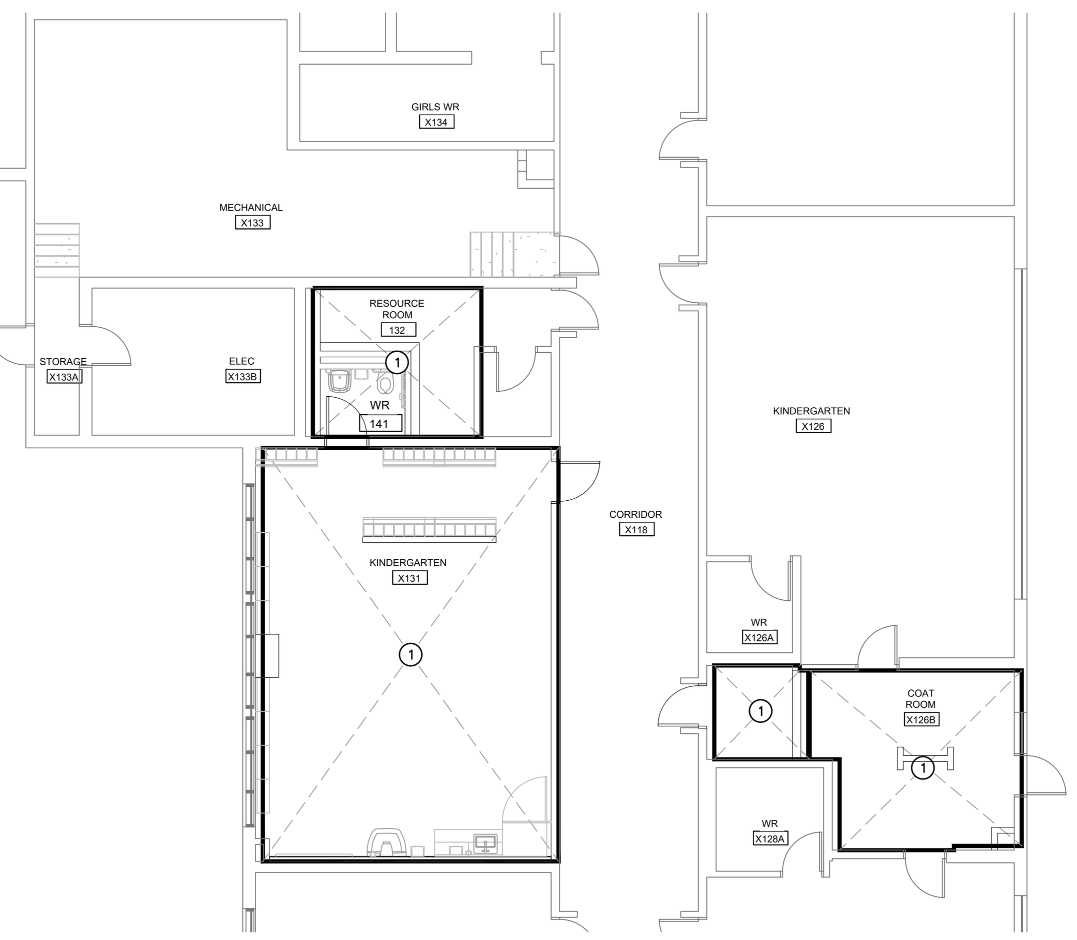
Phone: 519-242-3555
Website: deiassociates.ca
Project Number: 24243

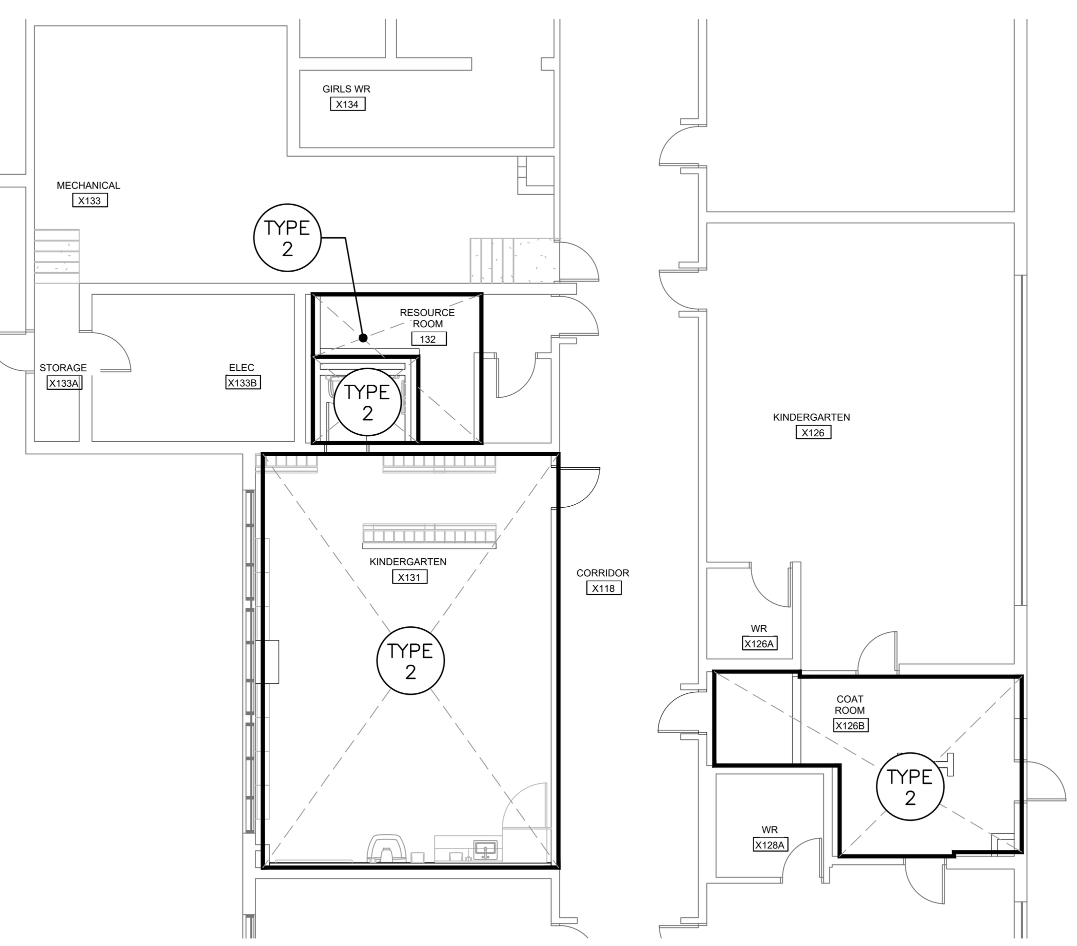
HOSSACK ARCHITECTURE
155 - 1229 IRONSIDE WAY
OAKVILLE, ON L6H 0H8
(905) 815-0201 admin@hossackarch.com

GROUND & SECOND FLOOR ADDITION PLANS - PLUMBING

SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M303
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



EAST EXISTING BUILDING PART PLAN 'B' – DEMO – PART PLAN
SCALE: 1:100



EAST EXISTING BUILDING PART PLAN 'B' – RENO – PART PLAN
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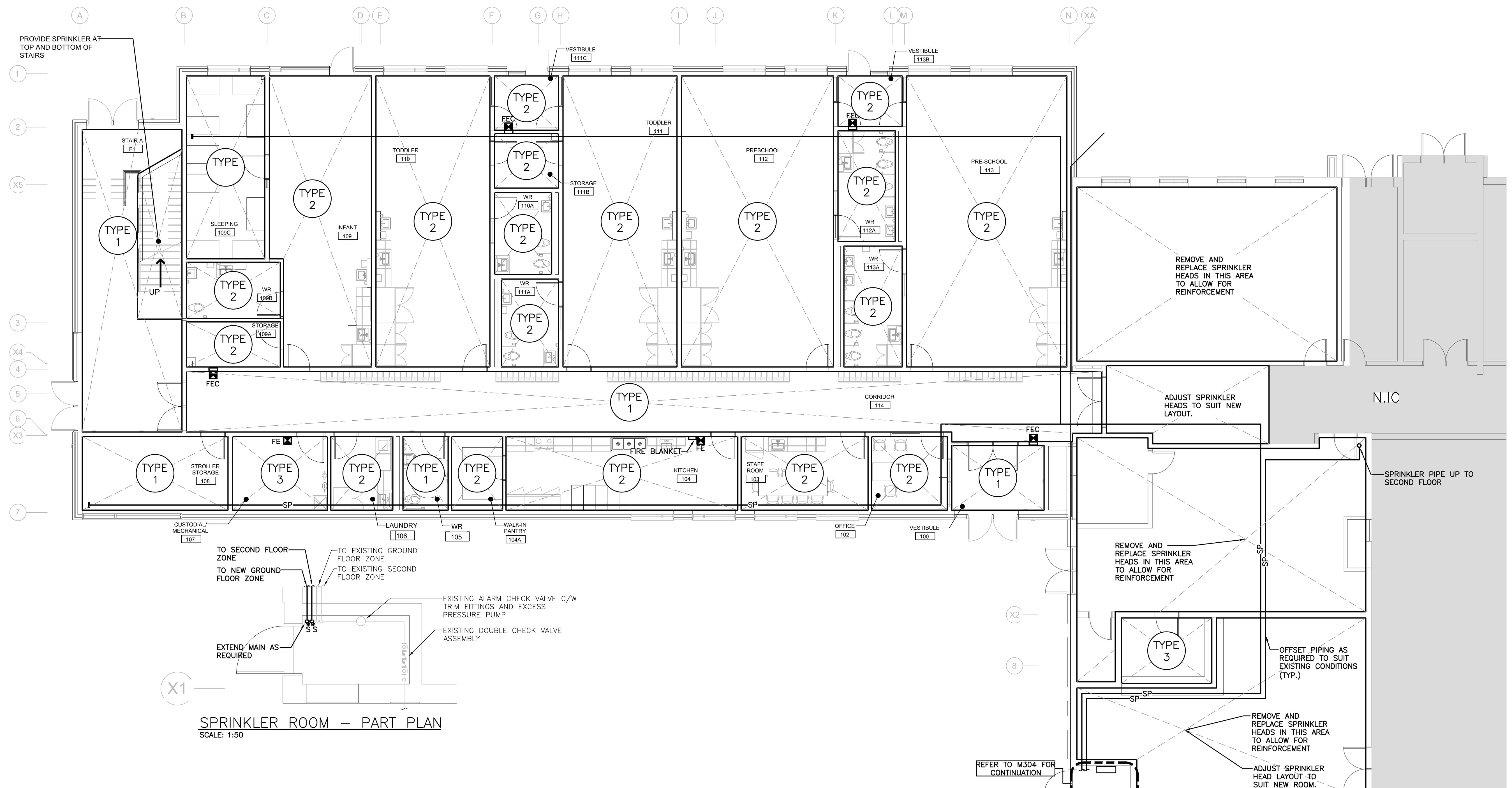
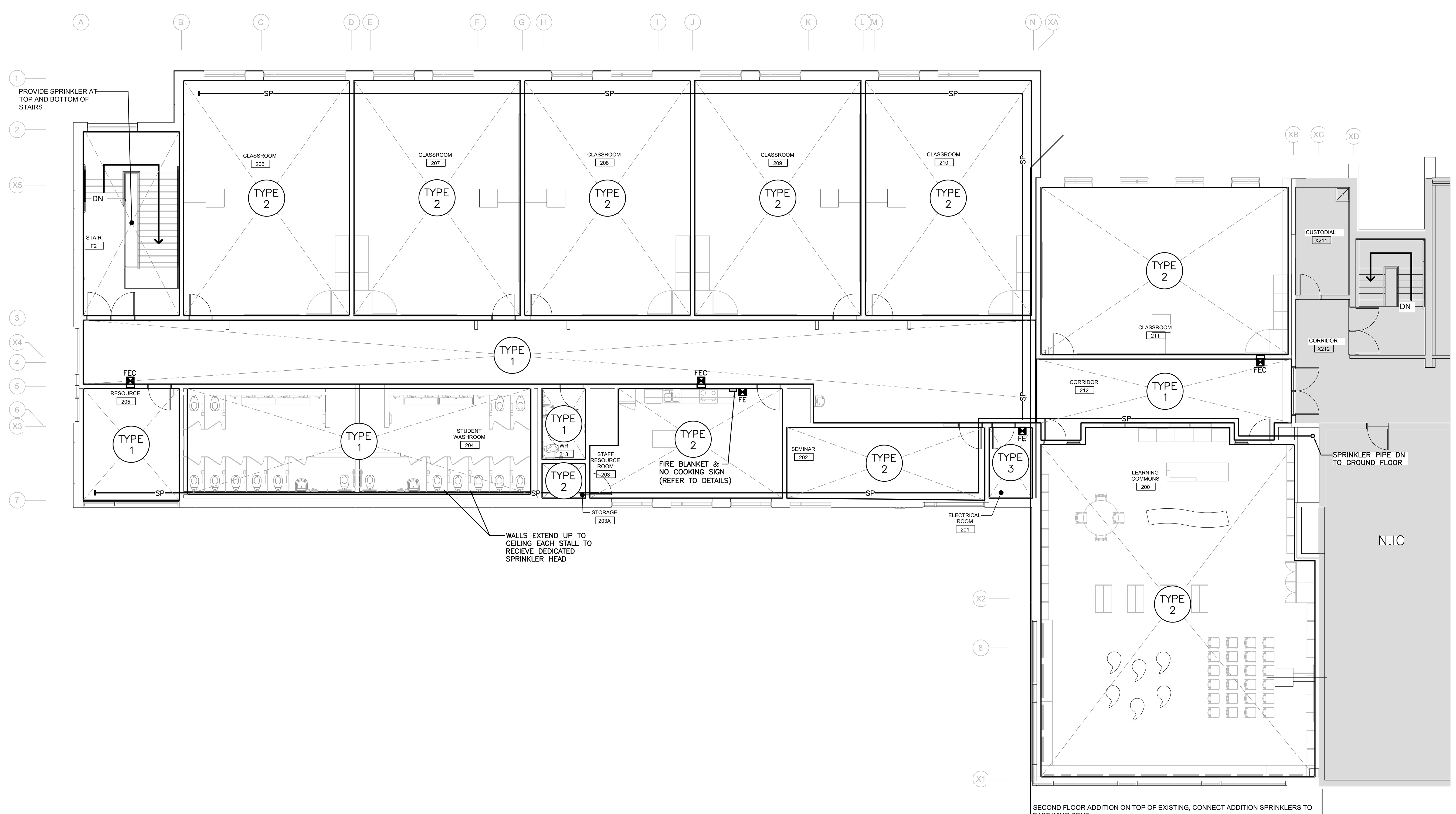
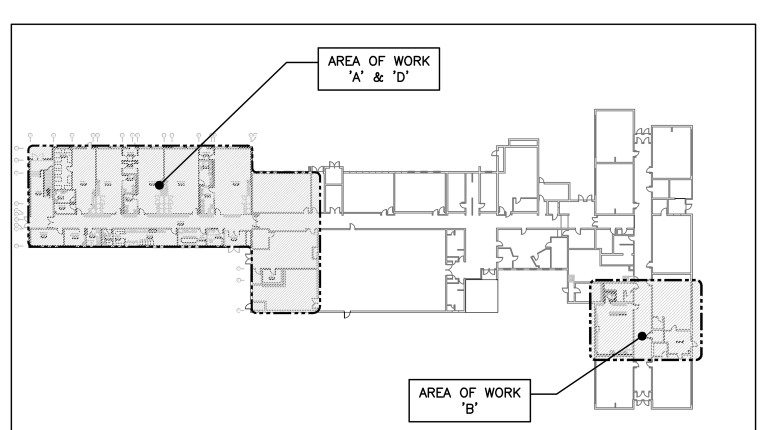


GROUND FLOOR PART PLAN 'A' & 'D' – FIRE PROTECTION
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' & 'D' – FIRE PROTECTION
SCALE: 1:100



KEY PLAN

GENERAL SPRINKLER NOTES

1. SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
2. ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'–0" SCALE) AND HYDRAULIC CALCULATIONS OF AS–BUILT CONDITION.
3. SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
5. PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
   - 5.1. PROVIDE UPRIGHT HEADS WITHIN 12" OF EXPOSED DECK THROUGHOUT EXPOSED STRUCTURE AREAS. PROVIDE HEAD GUARDS IN GYM, AREAS WHERE HEADS ARE BELOW 8'–0" & STORAGE ROOMS.
   - 5.2. PROVIDE CONCEALED PENDENT HEADS IN CEILINGS OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
   - 5.3. PROVIDE SEMI–RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, SEMINAR RMs, etc.). HEAD & ESCUTCHEON FINISH SELECTED BY CONSULTANT.
6. SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
7. FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
8. SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION
9. COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
10. SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
11. EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.
12. PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
13. COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM.
   - 13.1. SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
   - 13.2. CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL, OPERATION OF ALL PUMPS &/OR COMPRESSORS.
   - 13.3. PERFORM ALL WORK IN ACCORDANCE WITH NFPA 3.
   - 13.4. RETURN SPRINKLER/STANDPIPE SYSTEM TO NORMAL OPERATION ON COMPLETION OF TESTING

GENERAL DEMOLITION NOTES

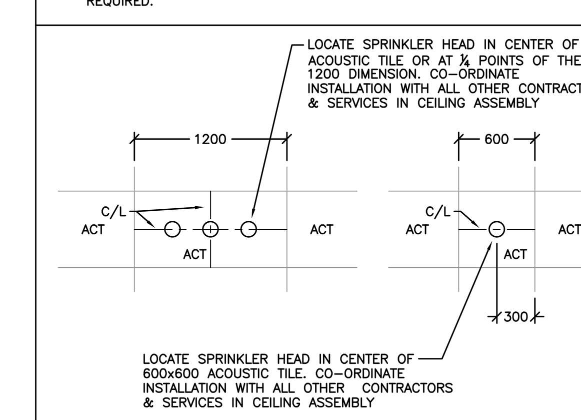
A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES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

SPECIFIC DEMOLITION NOTES

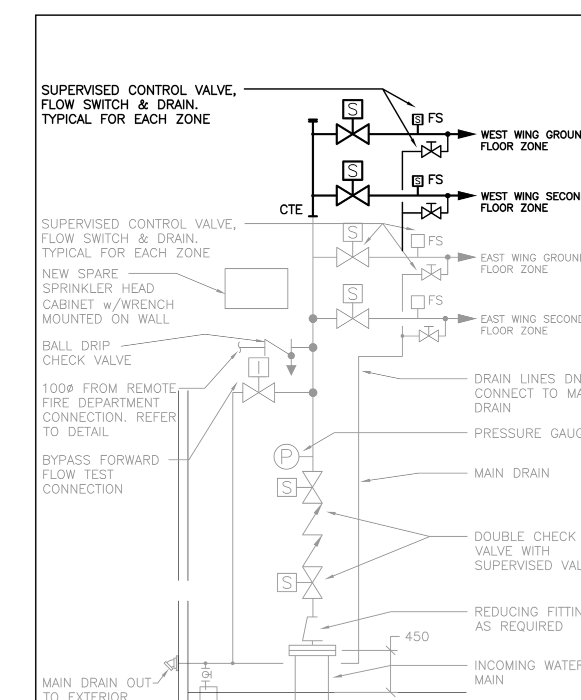
1. REMOVE EXISTING HEADS AND TEMPORARILY CAP BRANCH PIPING. PREPARE FOR NEW CONNECTION IN NEW LAYOUT.

GENERAL RENOVATION NOTES

A. PROVIDE NEW SPRINKLER HEADS C/W BRANCH PIPING. EXTEND PIPING AS REQUIRED.



SPRINKLER HEAD IN ACOUSTIC TILE



SPRINKLER RISER DETAIL

SPRINKLER SCHEDULE

Type	Sprinkler Head	Colour	Remarks
1	CONCEALED PENDENT	WHITE	
2	SEMI–RECESSED PENDENT	WHITE	
3	UPRIGHT PENDENT	WHITE	

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100149074
PROVINCE OF ONTARIO

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MOUNT HOPE ES RENOVATION & ADDITION

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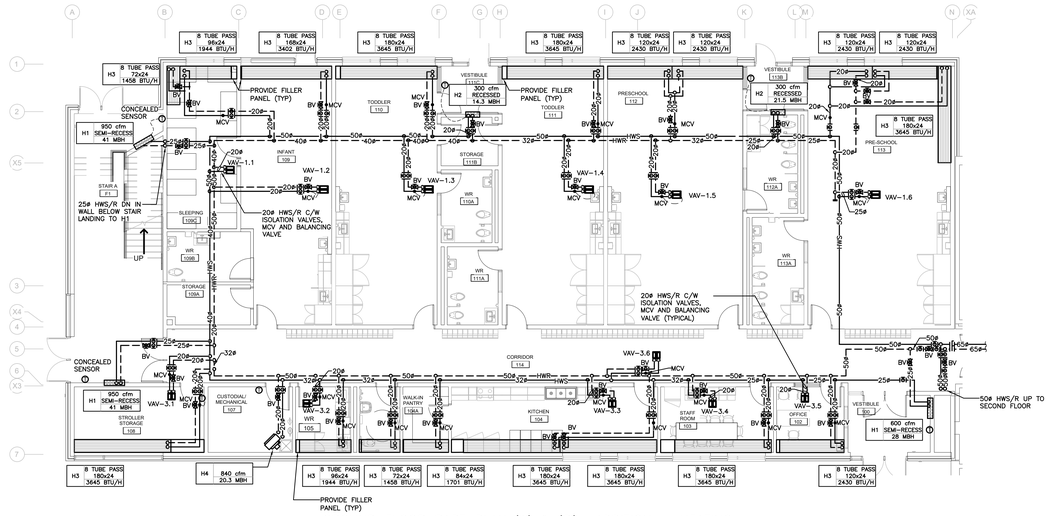
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

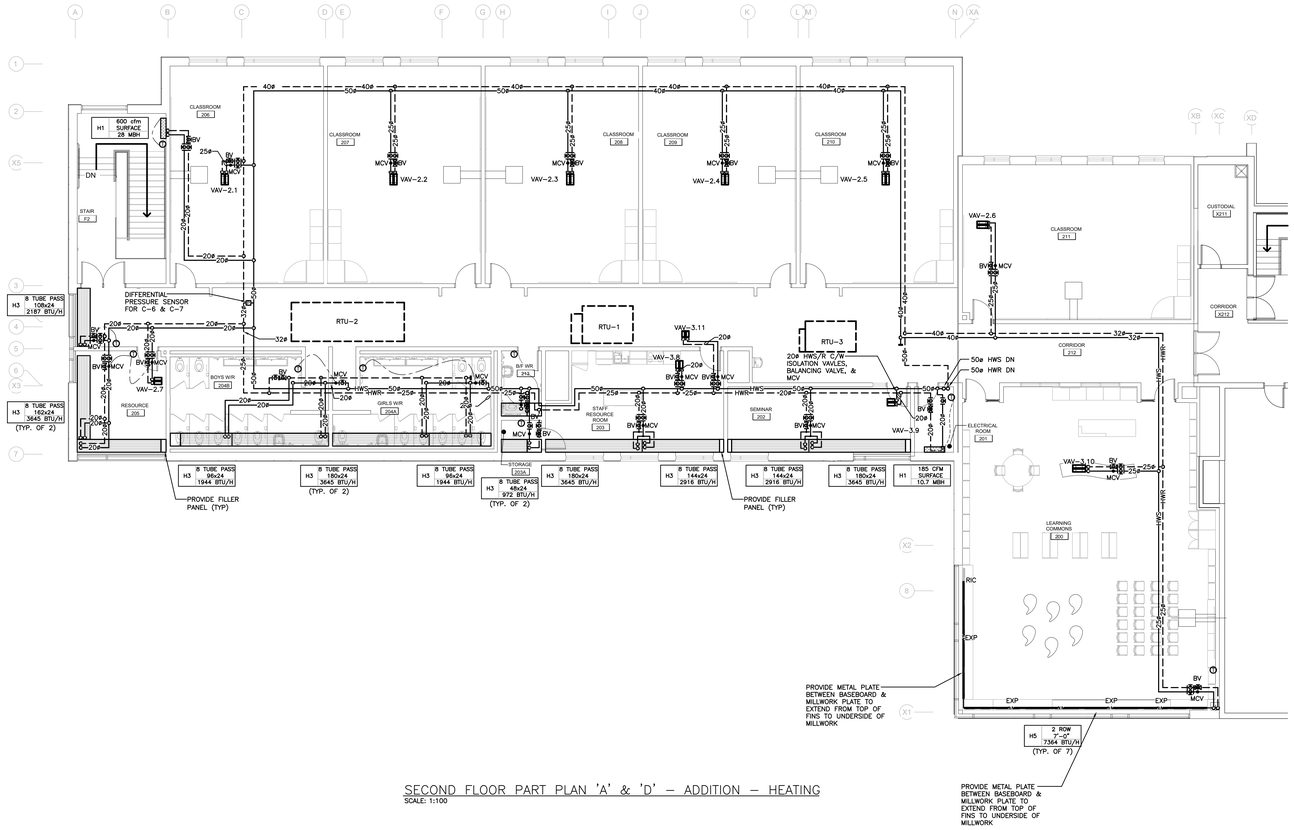
GROUND & SECOND FLOOR DEMOLITION & ADDITION PLANS - FIRE PROTECTION

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

SCALE	As indicated	PROJECT	24114
DATE	November 2024		
DRAWN	HA	DRAWING	M304
CHECKED	SV		
PRINT DATE			
REVIT FILE	T:\2024\24113\02\Revit.RVT		



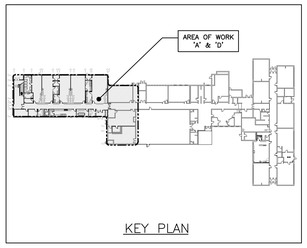
GROUND FLOOR PART PLAN 'A' & 'D'– ADDITION – HEATING
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' & 'D' – ADDITION – HEATING
SCALE: 1:100

GENERAL NOTES

- REFER TO VENTILATION DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- ALL THERMOSTATS TO BE CONCEALED SENSOR TYPE.



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Phone: 519 745 1555
Website: deiconsultants.ca
Project Number: 24114

GROUND & SECOND FLOOR ADDITION PLANS - HEATING

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE, ON L6H 3V8
(905) 915-0224 admin@hossackarch.com

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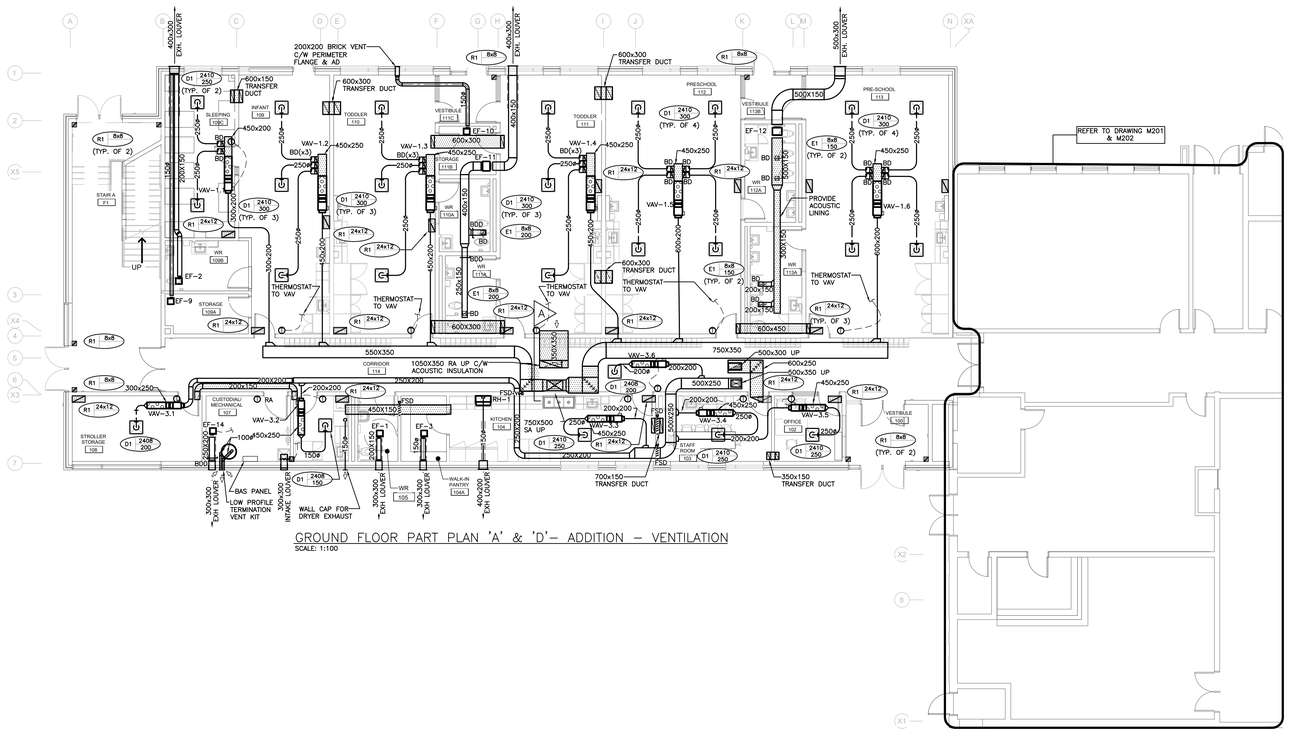
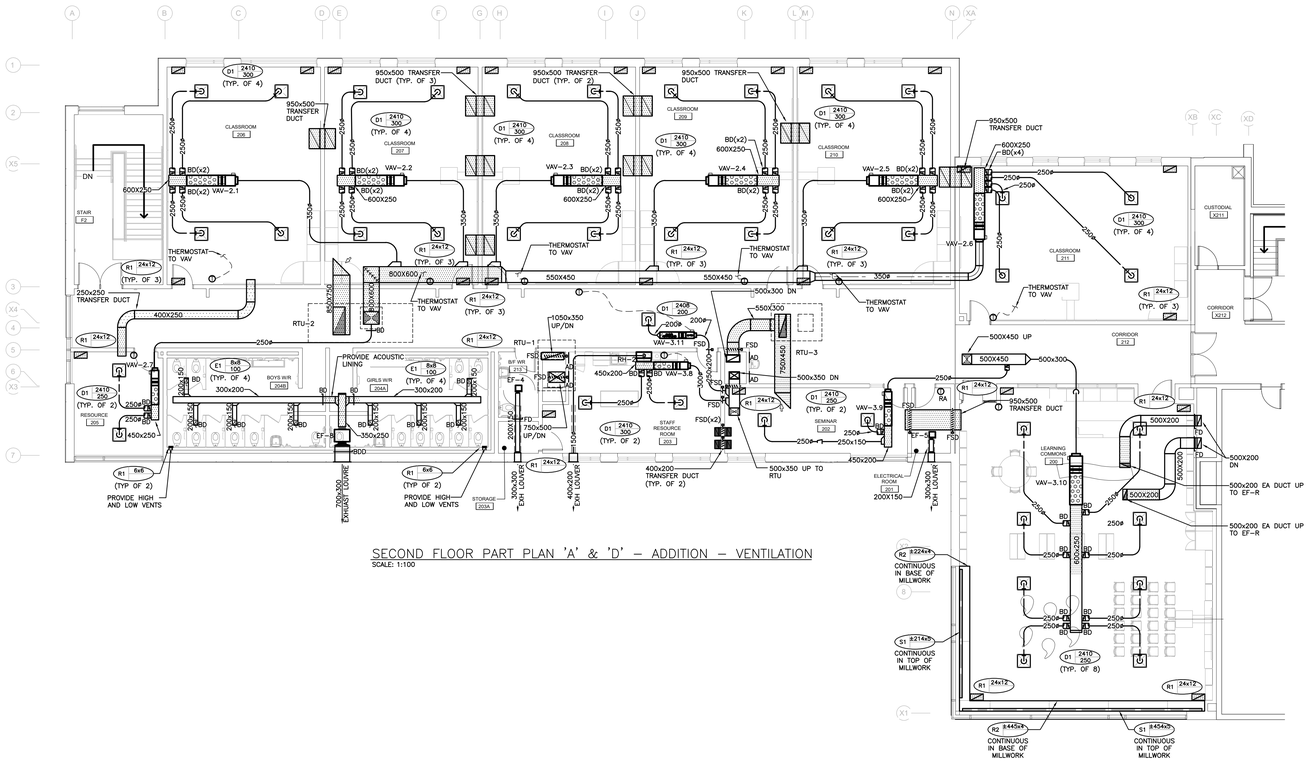
GENERAL NOTES

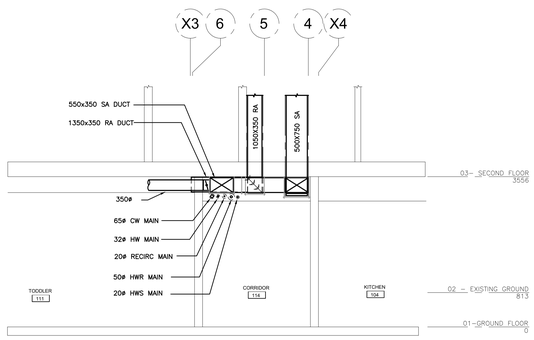
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- REFER TO HEATING DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- CO-ORDINATE LOCATIONS OF GRILLES/DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. FINAL LOCATION TO BE DETERMINED ON SITE. CONTRACTOR TO NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO INSTALLATION. FAILURE TO DO SO WILL RESULT IN RELOCATION COSTS BORNE BY THIS CONTRACTOR.
- WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.
- PROVIDE 4x DUCT DIAMETER (MINIMUM) INLET AT TERMINAL UNIT (TYPICAL)



GROUND FLOOR PART PLAN 'A' & 'D'– ADDITION – VENTILATION
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' & 'D' – ADDITION – VENTILATION
SCALE: 1:100



SECTION A – COORIDOR CEILING
SCALE: 1:50

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
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Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100149078
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519 215 3555
Website: deiconsultants.ca
Project Number: 24114

GROUND & SECOND FLOOR ADDITION PLANS - VENTILATION

HOSSACK ARCHITECTURE
155 - 1939 IRONDAK WAY
OAKVILLE, ON L6H 3V8
(905) 815-0334 admin@hossackarch.com

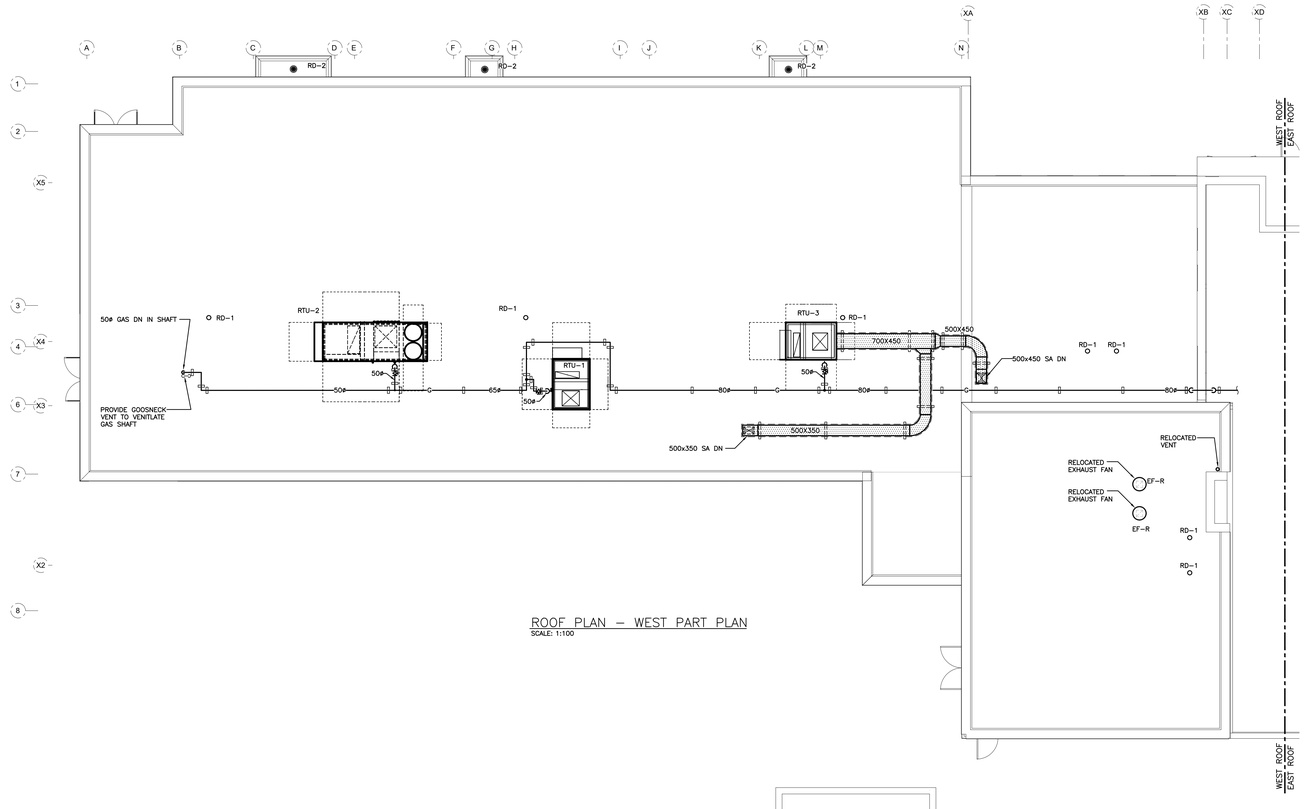
SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN HA	DRAWING M501
CHECKED SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT

GENERAL NOTES

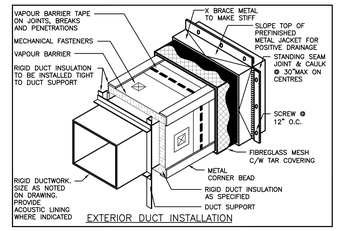
- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL FIRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0M FROM EDGE OF ROOF.
- MAINTAIN MINIMUM 7500mm (25'-0") FROM COOLING TOWER EXHAUST TO ANY INTAKE/MECHANICAL OPENING

GENERAL RENOVATION NOTES

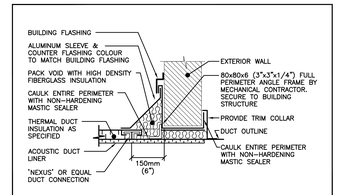
- EXISTING GAS METER AND HEADER TO BE REMOVED COMPLETE. PROVIDE NEW GAS SERVICE & GAS METER ON EXTERIOR OF BUILDING. THIS CONTRACTOR TO COORDINATE INSTALLATION WITH GAS Co. PROVIDE METER SUITABLE FOR LOW PRESSURE GAS. CONNECT EXISTING 50ø GAS PIPING TO NEW HEADER C/W ISOLATION VALVE



ROOF PLAN – WEST PART PLAN
SCALE: 1:100

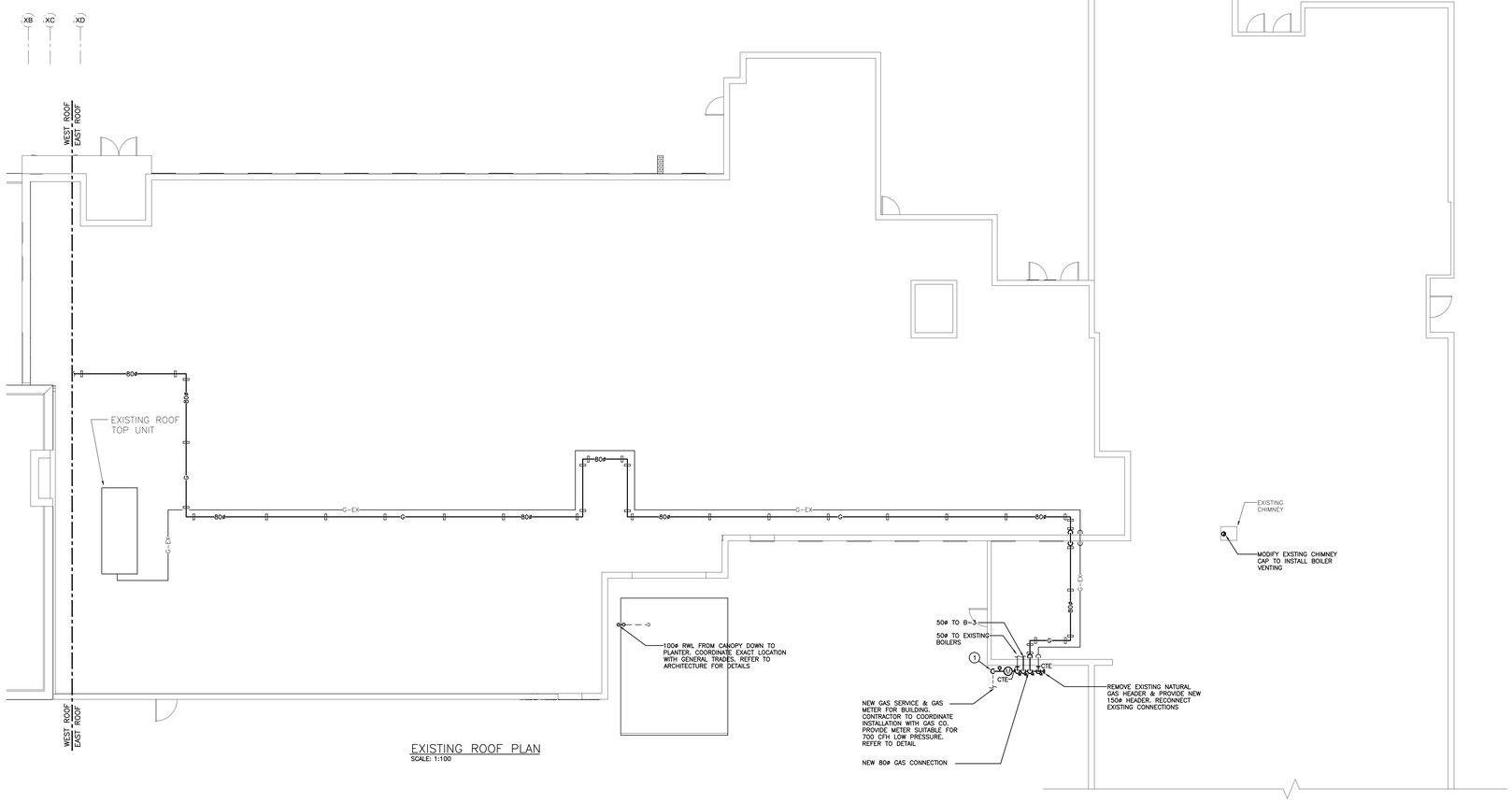


EXTERIOR DUCT INSTALLATION



NOTE: VERTICAL ADJUSTMENTS MAY BE REQUIRED ON SITE

DUCT THRU EXTERIOR WALL



EXISTING ROOF PLAN
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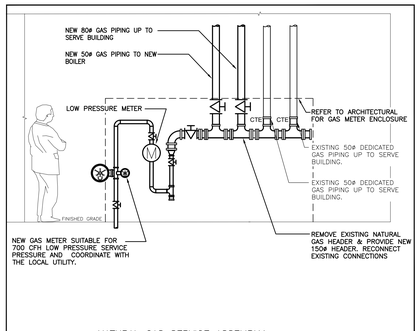
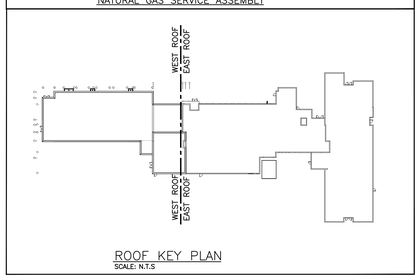
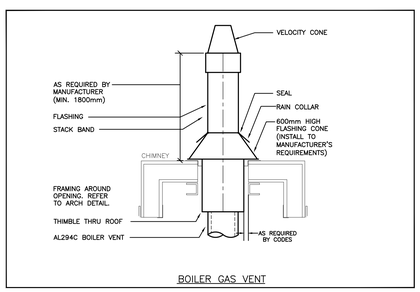


NATURAL GAS SERVICE ASSEMBLY



ROOF KEY PLAN
SCALE: N.T.S



BOILER GAS VENT

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100145570
PROVINCE OF ONTARIO

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MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

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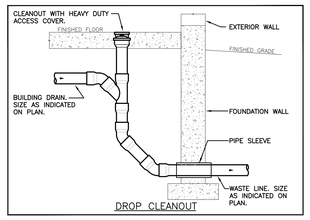
20 EDUCATION COURT, HAMILTON, ON L8A 0B9
(905) 527-5092 x 2500
kjeddy@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, ON N2J 1Y8
Phone: 519-772-2055
Website: deiassociates.ca
Project Number: 24243

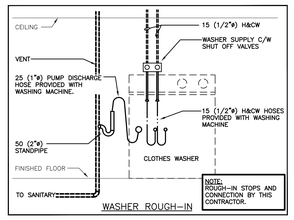
ROOF PLAN - ADDITION

HOSSACK ARCHITECTURE
155 - 1229 IRONSIDE WAY
OAKVILLE, ON L6H 0H8
(905) 915-6201 admin@hossackarch.com

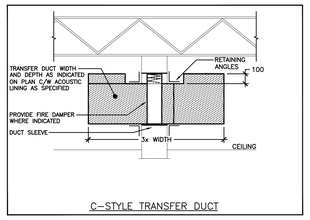
SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M502
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



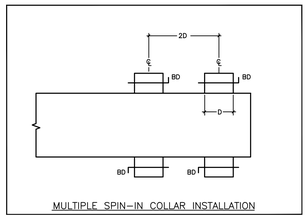
DROP CLEANOUT



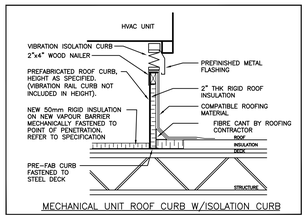
WASHER ROUGH-IN



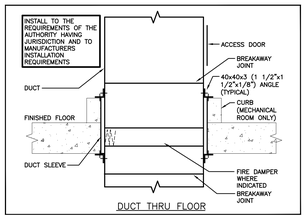
C-STYLE TRANSFER DUCT



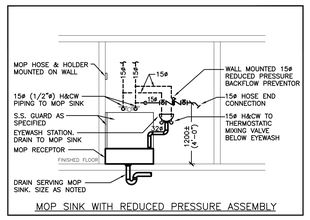
MULTIPLE SPIN-IN COLLAR INSTALLATION



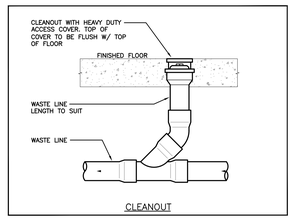
MECHANICAL UNIT ROOF CURB W/ISOLATION CURB



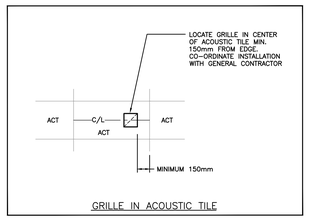
DUCT THRU FLOOR



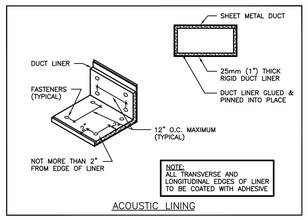
MOP SINK WITH REDUCED PRESSURE ASSEMBLY



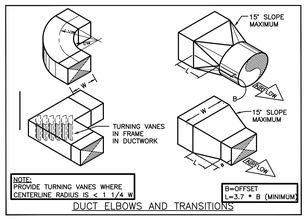
CLEANOUT



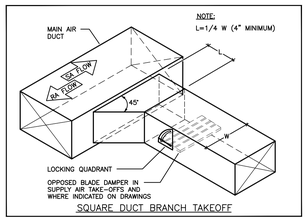
GRILLE IN ACOUSTIC TILE



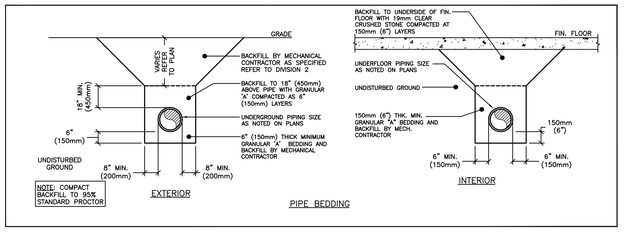
ACOUSTIC LINING



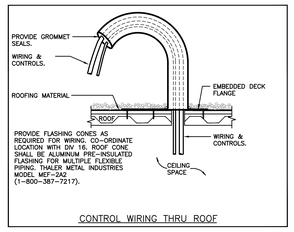
DUCT ELBOWS AND TRANSITIONS



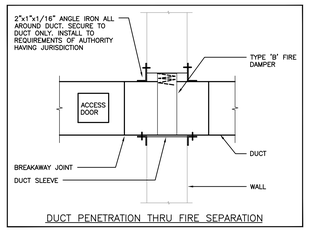
SQUARE DUCT BRANCH TAKEOFF



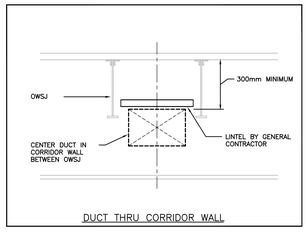
PIPE BEDDING



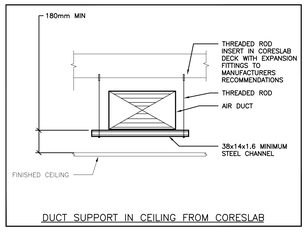
CONTROL WIRING THRU ROOF



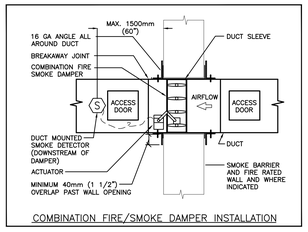
DUCT PENETRATION THRU FIRE SEPARATION



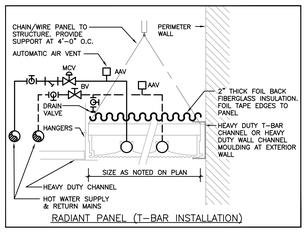
DUCT THRU CORRIDOR WALL



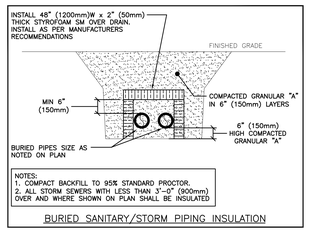
DUCT SUPPORT IN CEILING FROM CORESLAB



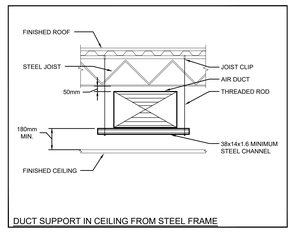
COMBINATION FIRE/SMOKE DAMPER INSTALLATION



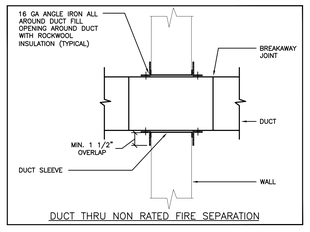
RADIANT PANEL (T-BAR INSTALLATION)



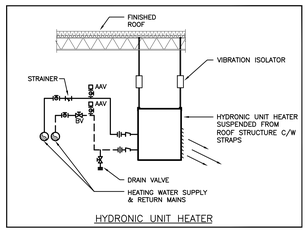
BURIED SANITARY/STORM PIPING INSULATION



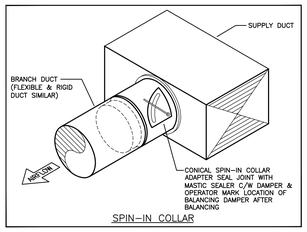
DUCT SUPPORT IN CEILING FROM STEEL FRAME



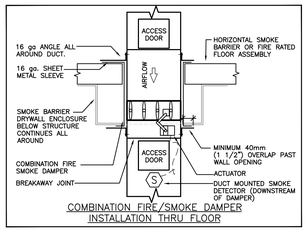
DUCT THRU NON RATED FIRE SEPARATION



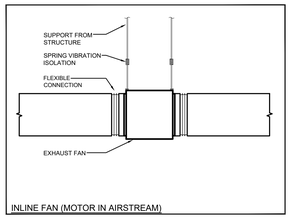
HYDRONIC UNIT HEATER



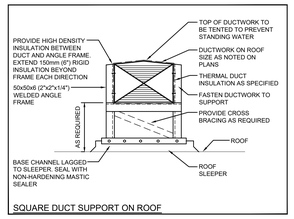
SPIN-IN COLLAR



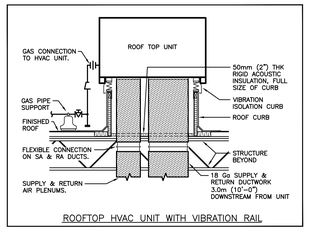
COMBINATION FIRE/SMOKE DAMPER INSTALLATION THRU FLOOR



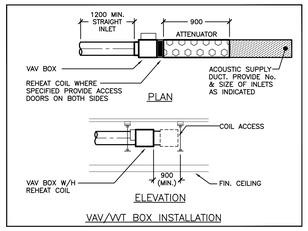
INLINE FAN (MOTOR IN AIRSTREAM)



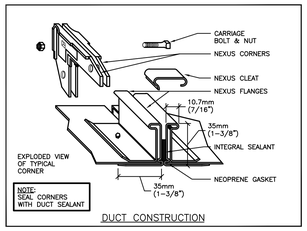
SQUARE DUCT SUPPORT ON ROOF



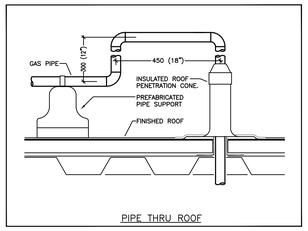
ROOFTOP HVAC UNIT WITH VIBRATION RAIL



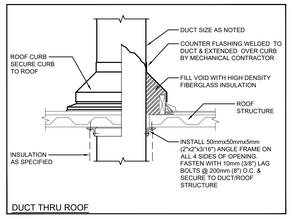
VAV/VVT BOX INSTALLATION



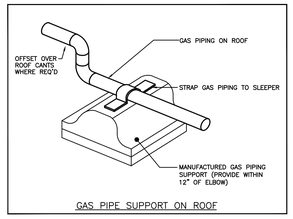
DUCT CONSTRUCTION



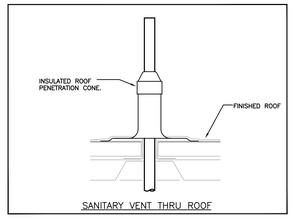
PIPE THRU ROOF



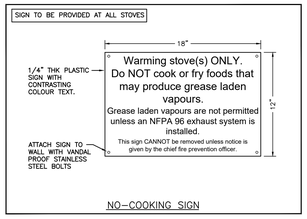
DUCT THRU ROOF



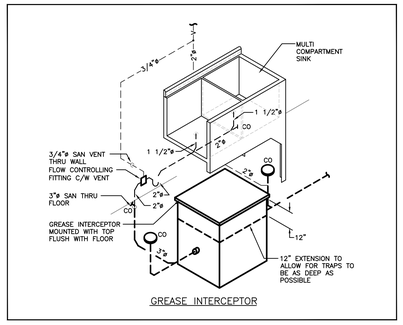
GAS PIPE SUPPORT ON ROOF



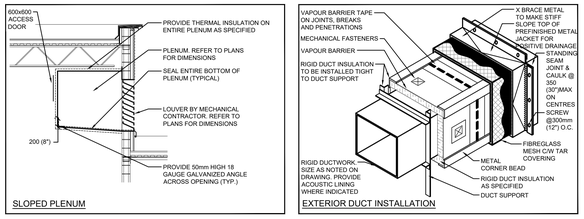
SANITARY VENT THRU ROOF

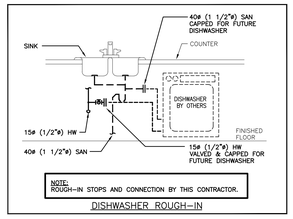


NO-COOKING SIGN

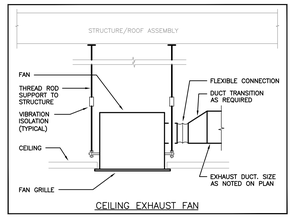


GREASE INTERCEPTOR

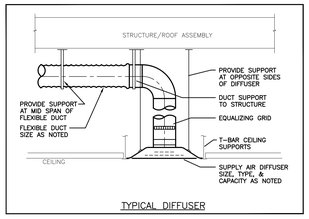




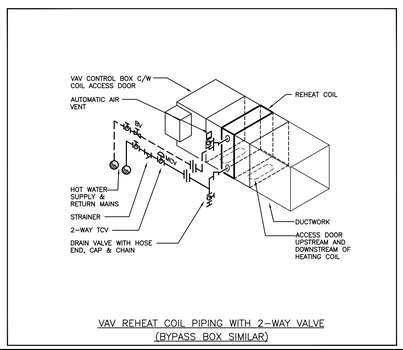
DISHWASHER ROUGH-IN



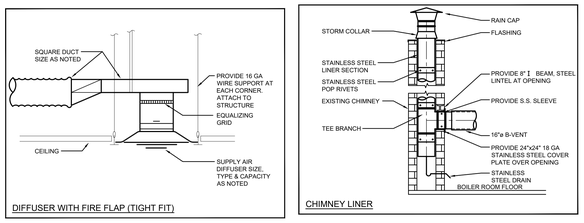
CEILING EXHAUST FAN

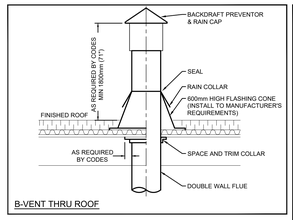


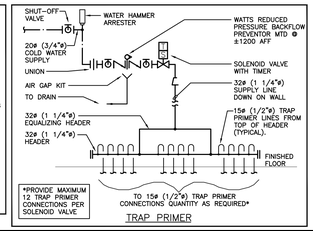
TYPICAL DIFFUSER

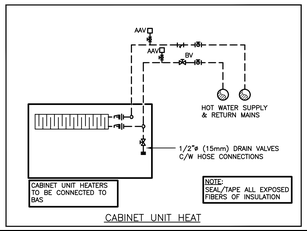


VAV REHEAT COIL PIPING WITH 2-WAY VALVE (BYPASS BOX SIMILAR)









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Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100190276
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.04.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
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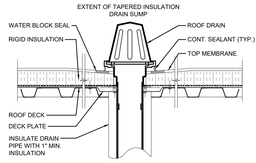
DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northfield Road, Kitchener, Ontario N2B 2Y8
Phone: 519-745-1055
Website: deiengineers.ca
Project Number: 24114

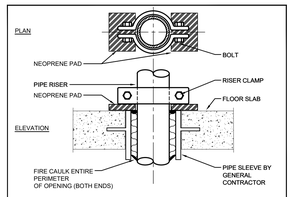
MECHANICAL DETAILS (1 OF 2)

HOSSACK ARCHITECTURE
168 - 1839 IRONDAK WAY
ABBOTSFORD, BC V2S 0Y5
(604) 514-6404 admin@hossackarch.com

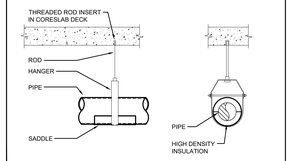
SCALE	As indicated
DATE	November 2024
DRAWN	HA
CHECKED	JV
PRINT DATE	
REVIT FILE	T:\2024\24114302\Revit.RVT
PROJECT	24114
DRAWING	M901



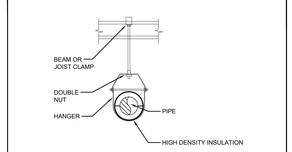
ROOF DRAIN DETAIL



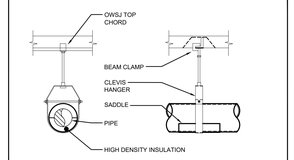
PIPE THRU FLOOR



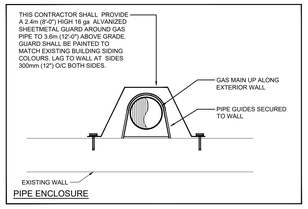
PIPE HANGER (CORESLAB)



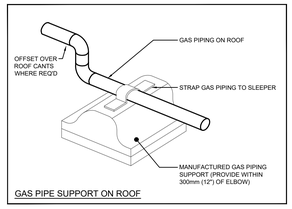
PIPE HANGER ON BEAM



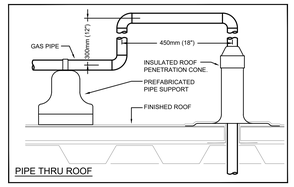
PIPE HANGER



PIPE ENCLOSURE



GAS PIPE SUPPORT ON ROOF



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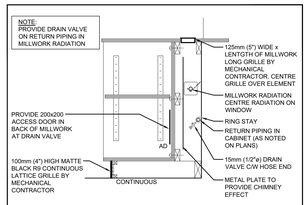
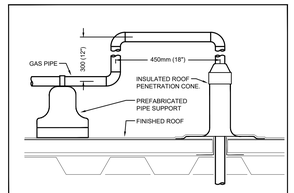
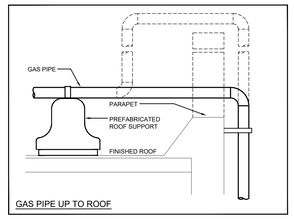


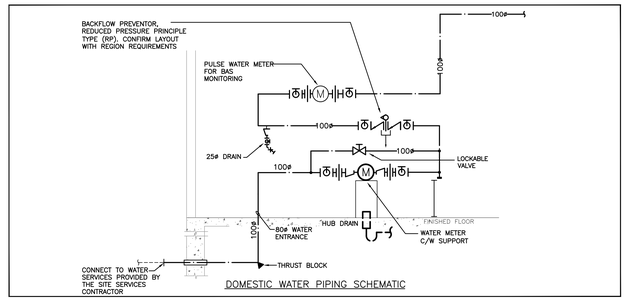
HEATING RADIATION IN MILLWORK



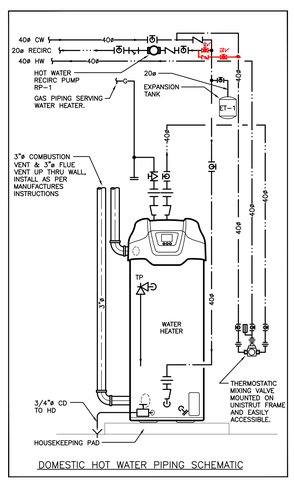
GAS PIPE THRU ROOF



GAS PIPE UP TO ROOF



DOMESTIC WATER PIPING SCHEMATIC



DOMESTIC HOT WATER PIPING SCHEMATIC

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LICENSED PROFESSIONAL ENGINEER
10 Nov 25
M.B. WHITE
100145076
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.10.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
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MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, ON, N2V 1Y8
519-886-7744
Website: deiassociates.ca
Project Number: 24243

MECHANICAL
DETAILS
(2 OF 2)

HOSSACK
ARCHITECTURE
155 - 1939 IRONOAK WAY
OAKVILLE, ONTARIO, L6H 3V4
(905) 715-5204 admin@hossack.ca

SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: HA	DRAWING: M902
CHECKED: SV	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

POWER

	WALL MOUNTED RECEPTACLE (15A–120V)
	WALL MOUNTED T-SLOT RECEPTACLE (20A–120V)
	T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A–120V)
	RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A–120V)
ST	STOVE RECEPTACLE
	DIRECT CONNECTION
JB	JUNCTION BOX
	PANEL AS INDICATED
	FUSED DISCONNECT
	UNFUSED DISCONNECT
VFD	VARIABLE FREQUENCY DRIVE
SPD	SURGE PROTECTION DEVICE. REFER TO SPECIFICATIONS.
	TIME CLOCK
	0–15 MINUTE INTERVAL TIMER
S	SPEED CONTROLLER
	MANUAL STARTER
	COMBINATION MAGNETIC STARTER
	SURFACE RACEWAY C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)
HD	HAND DRYER
	PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
	CONTACTOR
TA	THERMOSTAT (RA=REVERSE ACTING)
	TRANSFORMER

SECURITY

	SECURITY MOTION DETECTOR (SURFACE MOUNTED). PROVIDE 4" SINGLE GANG BACKBOX C/W 21mmC TO NEAREST CABLE MANAGEMENT SYSTEM IN NEAREST CORRIDOR CEILING SPACE OR SECURITY JUNCTION BOX
	SECURITY SIREN (INSTALL 2400mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
KP	SECURITY KEYPAD ROUGH-IN. PROVIDE 4" SINGLE GANG BACKBOX C/W 21mmC TO NEAREST CABLE MANAGEMENT SYSTEM IN NEAREST CORRIDOR CEILING SPACE OR SECURITY JUNCTION BOX
DC	SECURITY DOOR CONTACT ROUGH-IN. PROVIDE 21mmC TO NEAREST CABLE MANAGEMENT SYSTEM IN NEAREST CORRIDOR CEILING SPACE OR SECURITY JUNCTION BOX
CM	SAFE WELCOME SYSTEM CAMERA ROUGH-IN. PROVIDE 21mmC FROM NEAREST CABLE MANAGEMENT SYSTEM TO PROPOSED LOCATION C/W JUNCTION BOX. COORDINATE EXACT REQUIREMENTS INCLUDING MOUNTING HEIGHT WITH SECURITY CONTRACTOR.
GB	GLASS BREAK SENSOR. PROVIDE 21mmC TO NEAREST CABLE MANAGEMENT SYSTEM IN NEAREST CORRIDOR CEILING SPACE OR SECURITY JUNCTION BOX

ACCESS CONTROL

ES	ELECTRIC STRIKE ROUGH-IN. PROVIDE 21mmC FROM SECURITY JUNCTION BOX OR NEAREST CABLE MANAGEMENT SYSTEM INTO LATCH SIDE OF DOOR FRAME. CONFIRM ROUGH-IN REQUIREMENTS WITH DOOR HARDWARE INSTALLER.
CR	SECURITY CARD READER ROUGH IN. PROVIDE 4" SINGLE GANG BACKBOX C/W 21mmC TO NEAREST CABLE MANAGEMENT SYSTEM IN NEAREST CORRIDOR CEILING SPACE OR SECURITY JUNCTION BOX.

COMMUNICATIONS

	SINGLE WALL MOUNTED TELEPHONE OUTLET C/W ¾" (13mm) C TO CABLE MANAGEMENT SYSTEM.
	SINGLE COMPUTER OUTLET C/W ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM.
VOICE DATA	COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM. # INDICATES THE QUANTITY OF ACTIVE PORTS. LEFT VALUE ALWAYS INDICATES VOICE.
WAP	WIRELESS ACCESS POINT. PROVIDE ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM
	CLOCK AS PER SPECIFICATIONS
	HANGER SYSTEM (REFER TO DETAILS)
	ADMINISTRATIVE CONTROL CONSOLE
P.A.	P.A. CALL SWITCH
	WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)
	CEILING MOUNTED SPEAKER
	HORN SPEAKER
	HDMI ROUGH-IN. PROVIDE 4" SINGLE GANG C/W 1 1/2" (41mm) C TO CEILING SPACE

GENERAL

ER	INDICATED EXISTING ITEM TO REMAIN
D	INDICATES EXISTING ITEM TO BE DEMOLISHED
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
WG	WIREGUARD
GF	GROUND FAULT
DF	DECORATIVE FAN
WP	WEATHERPROOF
SR	SURGE PROTECTED
TR	TAMPER RESISTANT
CLG	CEILING MOUNTED
X	NOTE INDICATOR
X	MECHANICAL ITEM NO.

STANDARD CIRCUIT LABELING

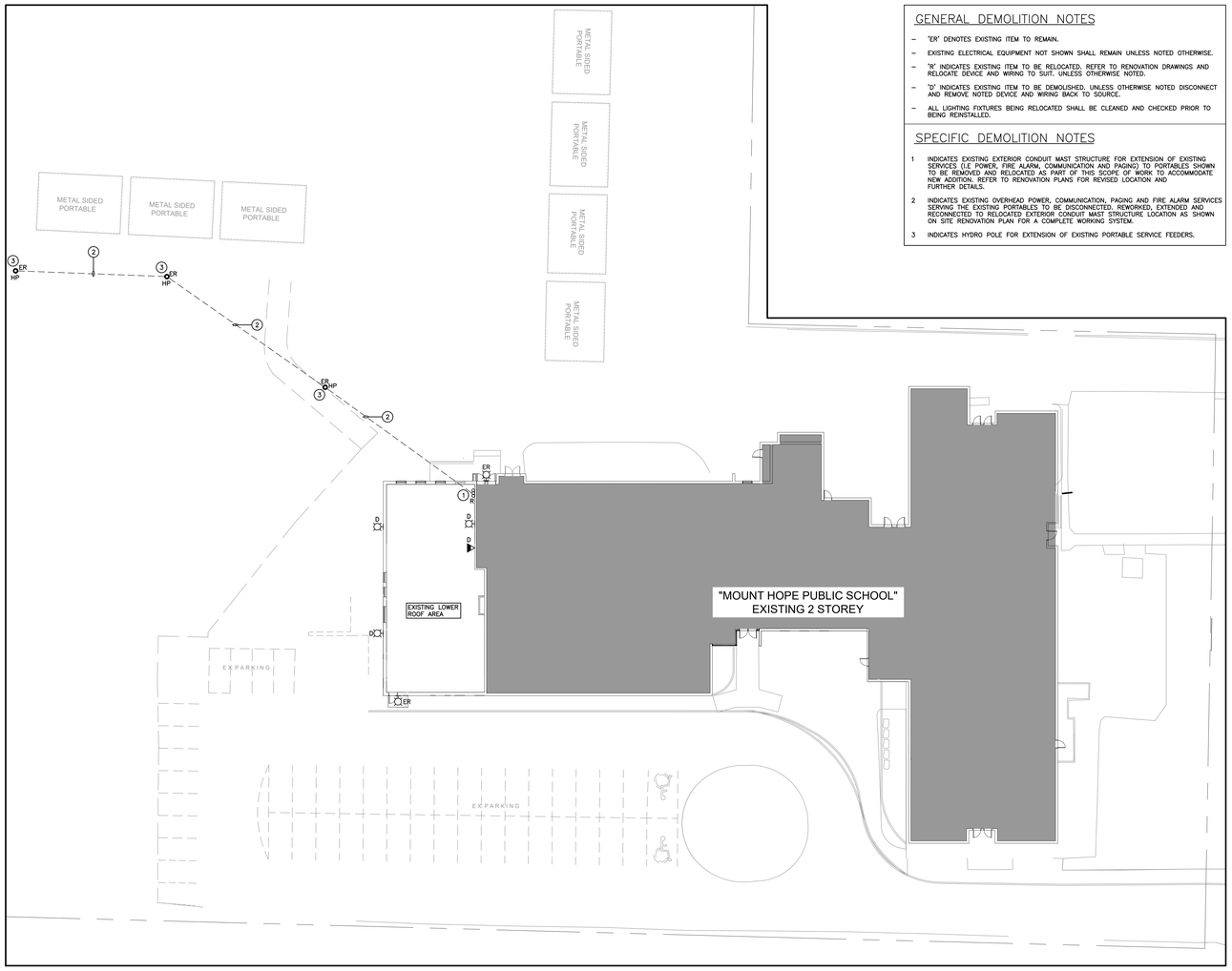
A–1–1
POWER PANEL LABEL
CIRCUIT INDICATION
SWITCH LEG (IF APPLICABLE)

LIGHTING

X	LIGHT FIXTURE TYPE AS INDICATED
X	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)
EM DC-X DC-X	COMBINATION EMERGENCY/EXIT TYPE AS INDICATED (EM–X INDICATES BATTERY UNIT TYPE, DC–X INDICATES DC CIRCUIT, AND X–X INDICATES AC SOURCE CIRCUIT)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED
	POLE MOUNTED LIGHT FIXTURE
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE
	RECESSED REMOTE EMERGENCY FIXTURES
EM DC-X DC-X	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM–X INDICATES BATTERY UNIT TYPE, DC–X INDICATES DC CIRCUIT, AND X–X INDICATES AC SOURCE CIRCUIT)
	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, I=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
OS	OCCUPANCY SENSOR (PASSIVE)
OSD/OSR	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY
OS	CEILING MOUNTED MOTION SENSOR
DR	DIGITAL ROOM CONTROLLER
LV	LIGHTING INPUT/OUTPUT RELAY WATTSTOPPER CAT. #LMN–104 OR EQUIVALENT
PC	PHOTOCELL
PK	ANALOG POWER PACK
DB	DIGITAL WALL STATION, "X" DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG

FIRE ALARM

	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
	DUCT TYPE SMOKE DETECTOR
R	SMOKE DETECTOR (RL=RELAY BASE)
CO	SMOKE ALARM C/W BATTERY BACK UP AND INTEGRAL STROBE LIGHT (CO INDICATES 3 IN 1 CARBON MONOXIDE/STROBE/SMOKE ALARM)
CO	CARBON MONOXIDE DETECTOR C/W BATTERY BACK UP
	PULLSTATION
SV	SUPERVISED VALVE
FS	FLOW SWITCH
	ALARM BELL
	ALARM HORN
	ALARM STROBE
	COMBINATION HORN/STROBE
EOL	END–OF–LINE RESISTOR
DH	DOOR HOLD OPEN DEVICE
FSD	FIRE SMOKE DAMPER



ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1:250

GENERAL DEMOLITION NOTES

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

SPECIFIC DEMOLITION NOTES

1. INDICATES EXISTING EXTERIOR CONDUIT MAST STRUCTURE FOR EXTENSION OF EXISTING SERVICES (I.E. POWER, FIRE ALARM, COMMUNICATION AND PAGING) TO PORTABLES SHOWN TO BE REMOVED AND RELOCATED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE NEW ADDITION. REFER TO RENOVATION PLANS FOR REVISED LOCATION AND FURTHER DETAILS.
2. INDICATES EXISTING OVERHEAD POWER, COMMUNICATION, PAGING AND FIRE ALARM SERVICES SERVING THE EXISTING PORTABLES TO BE DISCONNECTED, REWORKED, EXTENDED AND RECONNECTED TO RELOCATED EXTERIOR CONDUIT MAST STRUCTURE LOCATION AS SHOWN ON SITE RENOVATION PLAN FOR A COMPLETE WORKING SYSTEM.
3. INDICATES HYDRO POLE FOR EXTENSION OF EXISTING PORTABLE SERVICE FEEDERS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
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Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
L.J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, ON, N2V 1Y8
(519) 886-7744
Website: deiassociates.ca
Project Number: 24243

LEGEND &
ELECTRICAL
DEMOLITION SITE
PLAN

HOSSACK
ARCHITECTURE
155 - 1939 IRONOAK WAY
OAKVILLE, ON L6H 3V4
(905) 715-5234 admin@hossack.ca

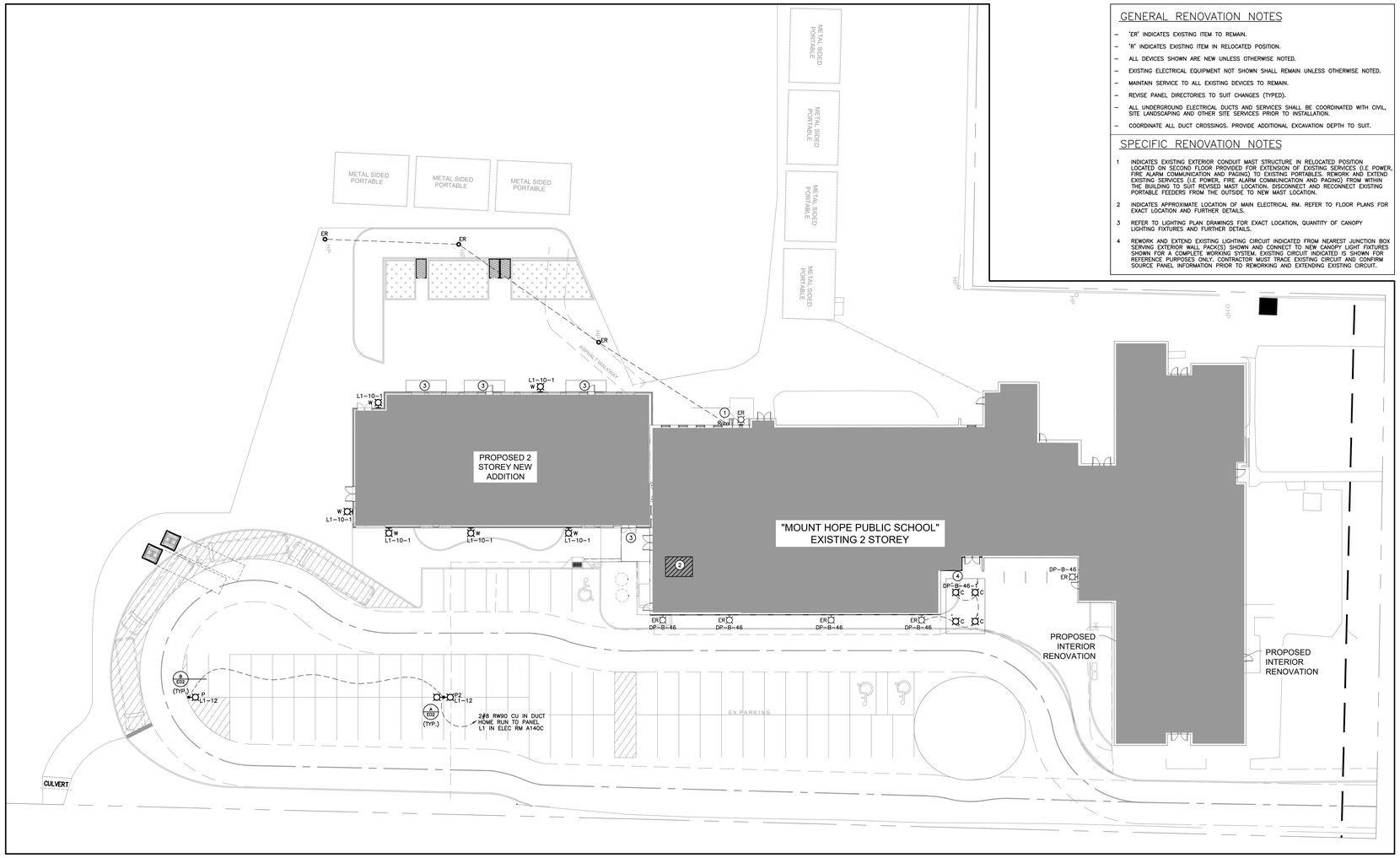
SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: AAA	DRAWING: E01
CHECKED: JB	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT

GENERAL RENOVATION NOTES

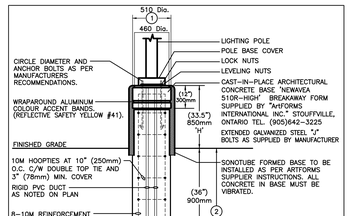
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).
- ALL UNDERGROUND ELECTRICAL DUCTS AND SERVICES SHALL BE COORDINATED WITH CIVIL, SITE LANDSCAPING AND OTHER SITE SERVICES PRIOR TO INSTALLATION.
- COORDINATE ALL DUCT CROSSINGS. PROVIDE ADDITIONAL EXCAVATION DEPTH TO SUIT.

SPECIFIC RENOVATION NOTES

1. INDICATES EXISTING EXTERIOR CONDUIT MAST STRUCTURE IN RELOCATED POSITION LOCATED ON SECOND FLOOR PROVIDED FOR EXTENSION OF EXISTING SERVICES (I.E POWER, FIRE ALARM COMMUNICATION AND PAGING) TO EXISTING PORTABLES. REWORK AND EXTEND EXISTING SERVICES (I.E POWER, FIRE ALARM COMMUNICATION AND PAGING) FROM WITHIN THE BUILDING TO SUIT REVISED MAST LOCATION. DISCONNECT AND RECONNECT EXISTING PORTABLE FEEDERS FROM THE OUTSIDE TO NEW MAST LOCATION.
2. INDICATES APPROXIMATE LOCATION OF MAIN ELECTRICAL RM. REFER TO FLOOR PLANS FOR EXACT LOCATION AND FURTHER DETAILS.
3. REFER TO LIGHTING PLAN DRAWINGS FOR EXACT LOCATION, QUANTITY OF CANOPY LIGHTING FIXTURES AND FURTHER DETAILS.
4. REWORK AND EXTEND EXISTING LIGHTING CIRCUIT INDICATED FROM NEAREST JUNCTION BOX SERVING EXTERIOR WALL PACK(S) SHOWN AND CONNECT TO NEW CANOPY LIGHT FIXTURES SHOWN FOR A COMPLETE WORKING SYSTEM. EXISTING CIRCUIT INDICATED IS SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR MUST TRACE EXISTING CIRCUIT AND CONFIRM SOURCE PANEL INFORMATION PRIOR TO REWORKING AND EXTENDING EXISTING CIRCUIT.



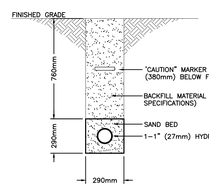
ELECTRICAL RENOVATION SITE PLAN
SCALE: 1:250



NOTES:
1 BASE DIAMETER MUST BE A MINIMUM OF 1.5 TIMES THE SIZE OF THE MANUFACTURER'S RECOMMENDED BOLT CIRCLE DIAMETER. BOLT COVER MUST NOT OVERHANG BASE. CONTRACTOR IS TO CONFIRM BASE DIAMETER ON FIXTURE SHOP DRAWINGS.
2 REFER TO CHART INDICATING BASE BURIAL DEPTH.

POLE LENGTH (M)	BASE BURIAL DEPTH (M)	REINF. ROD LENGTH (M)
3.0	1.50	H+1.35
5.0	2.15	H+2.00
7.0	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.5	2.60	H+2.45
10.5	2.60	H+2.45
12.0	2.75	H+2.60
13.4	2.90	H+2.75
15.1	3.05	H+2.90

A-LIGHT STANDARD DETAIL
SCALE: NTS



1. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
2. DUCTS SHALL BE CSA APPROVED RIGID PVC TYPE.
3. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

B-DUCTBANK DETAIL
SCALE: NTS

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
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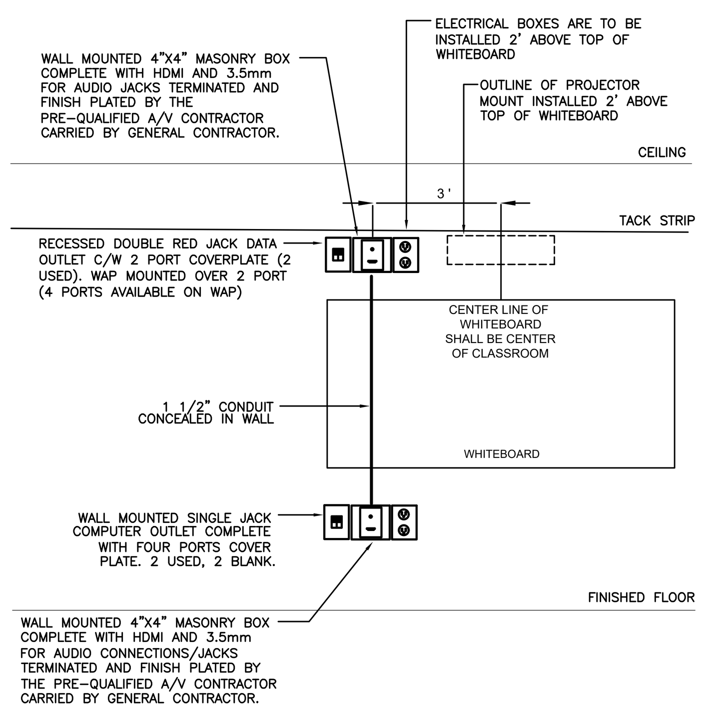
DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
15 Northland Road, Waterloo, Ontario N2V 1Y8
Phone 519-772-3053
Website deiassociates.ca
Project Number 24114

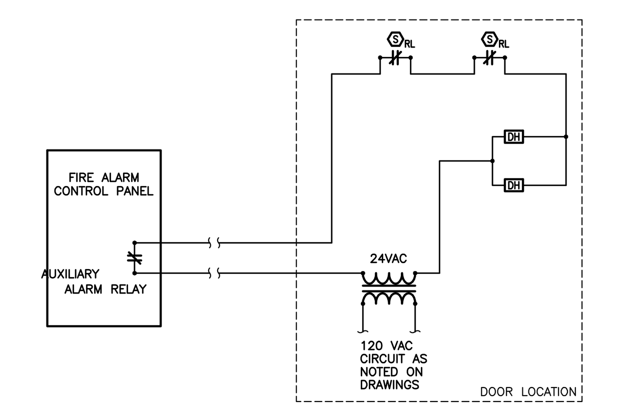
ELECTRICAL RENOVATION SITE PLAN & SITE DETAILS

HOSSACK ARCHITECTURE
140 - 1439 IRONOAK WAY
OAKVILLE ON L6H 0X8
(905) 910-6204 admin@hossackarch.com

SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN AAA	DRAWING E02
CHECKED JB	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT

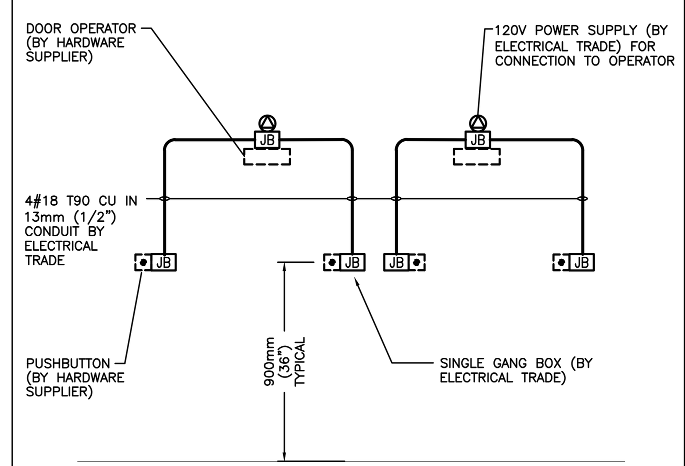


A–SHORT THROW PROJECTOR ROUGH–IN DETAIL
SCALE: NTS



NOTE: THE DOOR HOLDER MUST RELEASE WHEN THE SMOKE DETECTORS LOCAL TO THE DOOR ARE IN ALARM OR WHEN THERE IS AN ALARM CONDITION ON THE FIRE ALARM SYSTEM.

B–DOOR HOLDER WIRING SCHEMATIC
SCALE: NTS

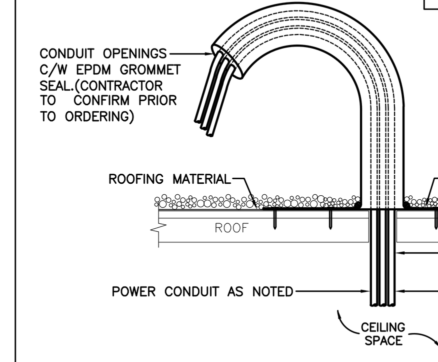


THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR.

C–DOOR OPERATOR DETAIL
SCALE: NTS

THALER CAT.#	ALTRA CAT.#	FLEXIBLE CONDUIT SIZE
MEF–2A1	MEFA–V2	2" FOR ≤ 100A
MEF–2A2	MEFA–V3	3" FOR ≤ 150A
MEF–2A2	MEFA–V4	4" FOR ≤ 200A

NOTE: TO REDUCE THE SIZE OF THE POWER CONE, CONTRACTOR MAY USE 2ND CONE FOR CONTROLS AND RECEPTACLE FEED.



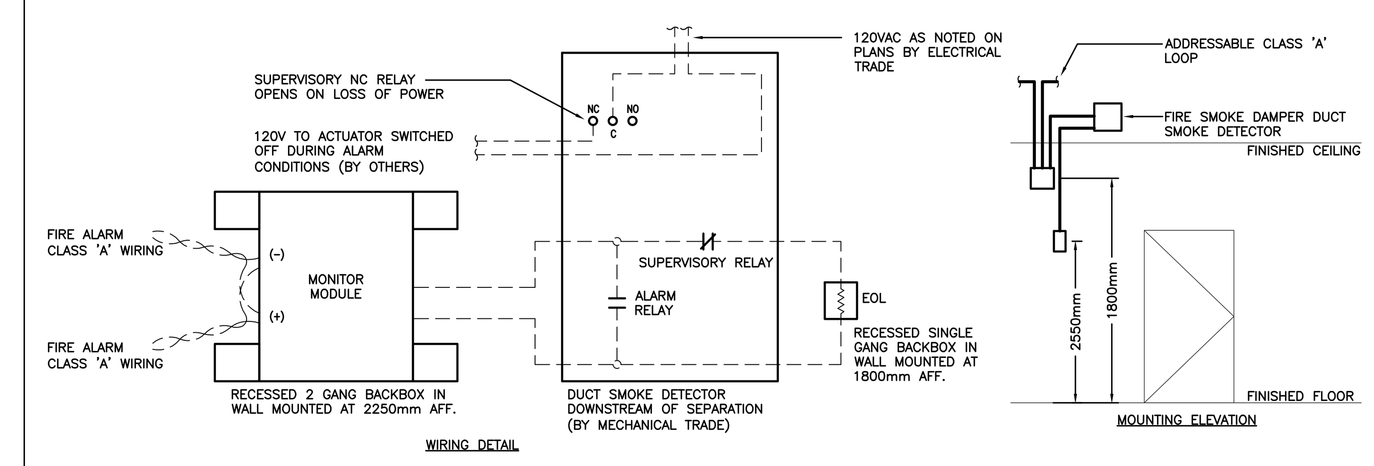
COORDINATE EXACT CONE LOCATION WITH MECHANICAL TRADE. ROOF CONE SHALL BE ALUMINUM PRE-INSULATED FLASHING FOR MULTIPLE FLEXIBLE CONDUIT AS NOTED. ACCEPTABLE MANUFACTURERS ARE THALER METAL INDUSTRIES OR ALTRA METAL SPECIALTIES INC.

CONDUIT OPENING THROUGH ROOF DECK / MATERIAL IS TO BE PROVIDED BY THE GENERAL TRADE.

TURN OVER CONE TO ROOFER FOR INSTALLATION.

SUBMIT SHOP DRAWING AS PER THE SPECIFICATION.

D–ROOF PENETRATION DETAIL
SCALE: NTS



NOTES:

1. MONITOR MODULE AND END OF LINE RESISTOR DEVICE MOUNTING HEIGHTS SHALL BE PER CAN/ULC S524 (LATEST EDITION).
2. MOUNT DEVICES WITHIN ACCESSIBLE LOCATIONS IN SERVICE ROOMS, WHERE POSSIBLE, IN THE VICINITY OF RESPECTIVE FIRE SMOKE DAMPER. DEVICES IN FINISHED SPACES TO BE C/W FLUSH MOUNT DEVICE BOXES AND COVERS. DEVICE COVERS TO BE LABELLED PER CAN/ULC S524 (LATEST EDITION).

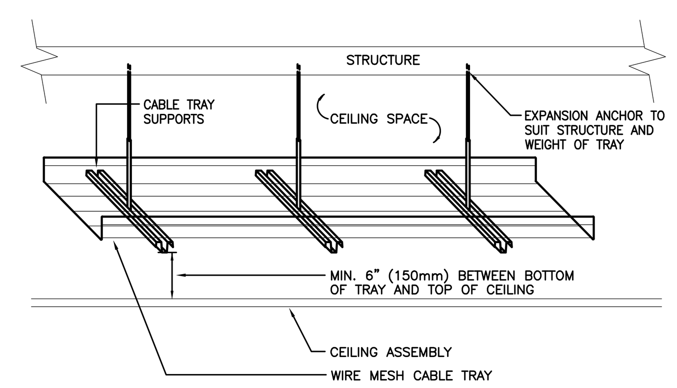
SEQUENCE OF OPERATIONS

NORMAL CONDITION:
ALARM CONTACT OPEN, AUXILIARY CONTACT CLOSED, AC POWER IS PROVIDED TO DAMPER ACTUATOR, DAMPER IS OPEN.

ALARM CONDITION:
ALARM CONTACT CLOSES, BUILDING FIRE ALARM IS ACTIVATED, AUXILIARY CONTACT OPENS, AC POWER IS REMOVED FROM DAMPER ACTUATOR.

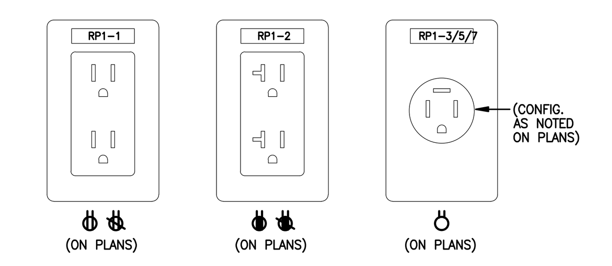
SUPERVISION:
LOSS OF AC POWER, COVER LEFT OFF, WIRING ISSUE WILL CAUSE TROUBLE CONDITION. SUPERVISORY CONTACT OPENS, MAIN FIRE ALARM CONTROL PANEL WILL INDICATE TROUBLE, ADDRESSABLE MODULE WILL INDICATE DAMPER LOCATION. DAMPER POSITION IS NOT MONITORED BY FIRE ALARM CONTROL PANEL.

E–FIRE/SMOKE DAMPER INSTALLATION DETAIL
SCALE: NTS



1. INSTALLATION OF TRAY IS TO BE COORDINATED WITH MECHANICAL AND ALL OTHER TRADES.
2. REFER TO SPECIFICATION FOR DIMENSIONAL INFORMATION.

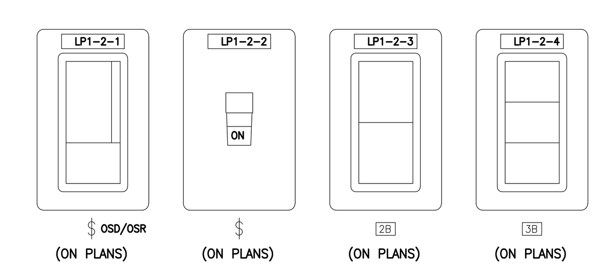
F–CABLE TRAY SUSPENSION DETAIL
SCALE: NTS



NOTES:

1. RECEPTACLES ARE TO BE C/W P–TOUCH LABEL.
2. LABEL IS TO BE WHITE WITH TYPE–WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF RECEPTACLE AS SHOWN.
3. CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL AND CIRCUIT INDICATION.

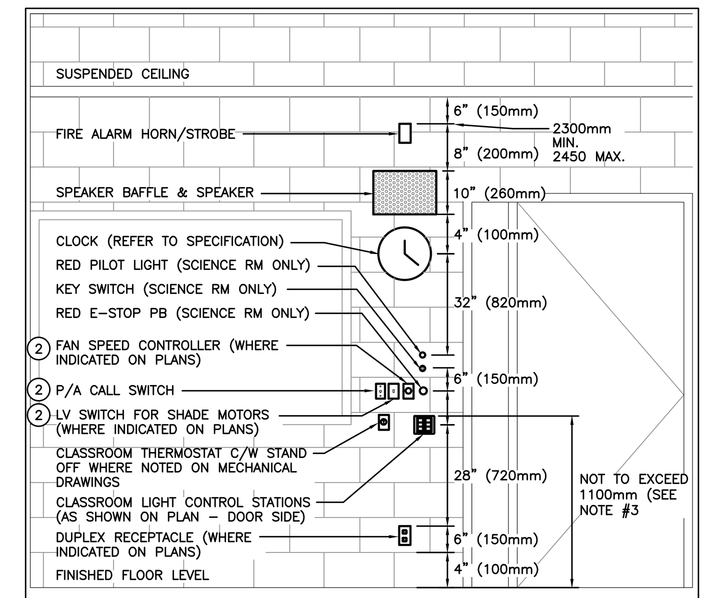
G–RECEPTACLE LABELLING DETAIL
SCALE: NTS



NOTES:

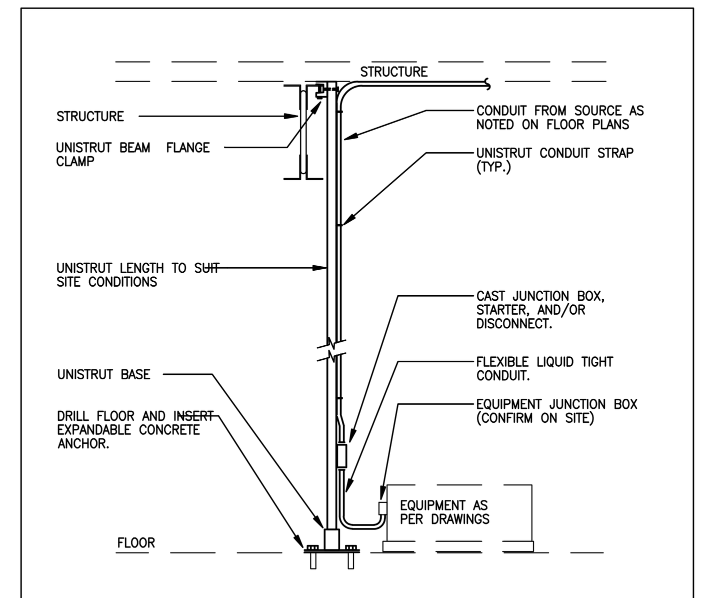
1. LIGHT SWITCHES ARE TO BE C/W P–TOUCH LABEL.
2. LABEL IS TO BE WHITE WITH TYPE–WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF SWITCH AS SHOWN.
3. CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL, CIRCUIT INDICATION, AND SWITCH LEG.

H–LIGHT SWITCH LABELLING DETAIL
SCALE: NTS

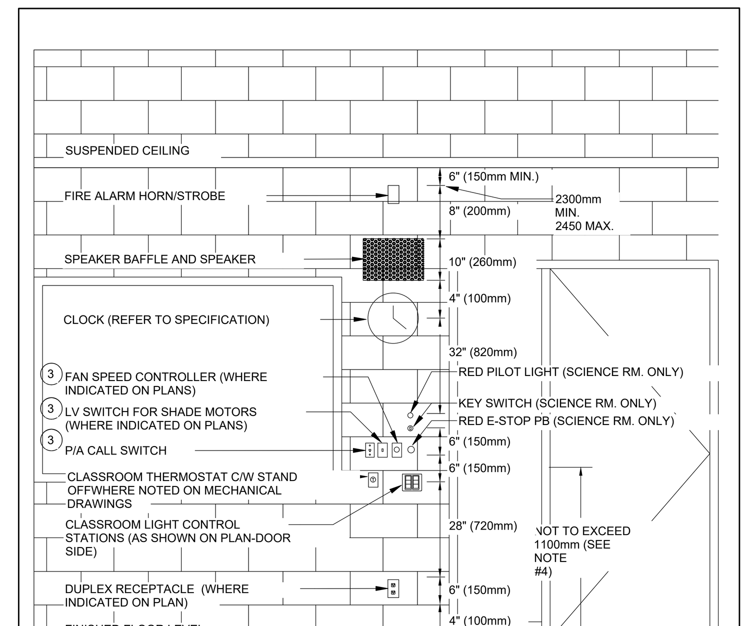


1. ALL DIMENSIONS TO BE CONFIRMED ON SITE WITH ARCHITECT AND CONSULTANT.
2. MOUNTING HEIGHT OF CONTROL SWITCHES AND T–STAT IS NOT TO EXCEED 1200mm AS PER OBC 3.8.1.5
3. INDICATES ADDITIONAL DEVICE MOUNTING SPACE FOR SPECIFIC SPACES. REFER TO PLANS.

J–CLASSROOM DEVICES DETAIL
SCALE: NTS



K–UNISTRUT UPSTAND DETAIL
SCALE: NTS



1. ALL DIMENSIONS TO BE CONFIRMED ON SITE WITH ARCHITECT AND CONSULTANT.
3. MOUNTING HEIGHT OF CONTROL SWITCHES AND T-STAT IS NOT TO EXCEED 1200mm AS PER OBC 3.8.1.5
4. INDICATES ADDITIONAL DEVICE MOUNTING SPACE FOR SPECIFIC SPACES. REFER TO PLANS.

L–CLASSROOM DEVICES DETAIL
SCALE: NTS

EQUIPMENT WIRING SCHEDULE

E = ELECTRICAL
M = MECHANICAL
O = OTHERS

Description			Electrical Data				Starter						Ctrl Device				Isolating Device			
Mechanical Item	Description	Provided By	Voltage	Size hp/kW/Amps	Phase	MOCP	Magnetic	Manual	Combination	Contactor	VFD	ECM (No Separate Starter Device)	Hand/Off/Auto	On/Off Selector	High/Low/Off	Pilot Light	Disconnect	WP Disconnect	Breaker/Fuse	Starter/Device Wired by
RTU–1	ROOFTOP UNIT	M	575	36.6 FLA	3	60												E	E	E
RTU–2	ROOFTOP UNIT	M	575	51.4 FLA	3	70												E	E	E
RTU–3	ROOFTOP UNIT	M	575	29 FLA	3	45												E	E	E
B–3	HEATING BOILER	M	120	FHP	1			E								E	E		E	E
BP–3	BOILER CIRC PUMP	M	575	1.5HP	3				E					E		E	E		E	E
C–6	HEATING SYSTEM PUMP	M	575	5HP	3						M						E		E	E
C–7	HEATING SYSTEM PUMP	M	575	5HP	3						M						E		E	E
HWT–1	DOMESTIC WATER HEATER	M	120	5.0A	1												E		E	E
RP–1	RECIRC PUMP (HOT WATER)	M	120	FHP	1												E		E	E
BAS PANEL		M	120	FHP	1														E	E
VAV	VAV POWER	M	120	FHP	1												E		E	E
EF–1	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–2	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–3	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–4	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–5	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–6	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–7	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–8	EXHAUST FAN	M	120	0.5	1												E		E	E
EF–9	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–10	EXHAUST FAN	M	120	FHP	1												E		E	E
EF–11	EXHAUST FAN	M	120	4.9FLA	1												E		E	E
EF–12	EXHAUST FAN	M	120	3.1FLA	1												E		E	E
RH–1	RANGE HOOD	M	120	FHP	1												E		E	E
H–1	CABINET UNIT HEATER	M	120	FHP	1												E		E	E
H–2	CABINET UNIT HEATER	M	120	FHP	1												E		E	E
H–4	UNIT HEATER	M	120	FHP	1												E		E	E
DF–1	DRINKING FOUNATIN	M	120	FHP	1												E		E	E
EF–13	EXHAUST FAN	M	120	FHP	1												E		E	E
L–1	LAVATORY	M	120	FHP	1														E	E
L–2	LAVATORY	M	120	FHP	1														E	E
L–3	LAVATORY	M	120	FHP	1														E	E
WF–1	WASH FOUNTAIN	M	120	FHP	1														E	E
WF–2	WASH FOUNTAIN	M	120	FHP	1														E	E
TP	TRAP PRIMER	M	120	FHP															E	E
L–4	LAVATORY	M	120	FHP	1														E	E
EF–14	EXHAUST FAN	M	120	FHP	1												E		E	E
RH–2	RANGE HOOD	M	120	FHP	1												E		E	E

Mechanical Item	Remote Items: Thermostat	RA Thermostat	Programmable Time Clock	Variable Speed Control	Current Sensor	Occ Sensor	Dual Voltage Relay	Interval Timer	VRF System Controll Panel	Smoke Control System Panel	Control Panel	Wired by	Bldg Auto System	Wired By	Other: Miscellaneous 1	Miscellaneous 2	Interlock: Interlock to	Interlock by	Remarks
RTU–1	M											M	M	M					41.7 MCA
RTU–2	M											M	M	M					55.6 MCA
RTU–3	M											M	M	M					33.2 MCA
B–3													M	M			BP–3	M	WIRE THROUGH LOW WATER CUT OFF AND FLOW SWITCH
BP–3													M	M			B–3	M	
C–6													M	M					
C–7													M	M					
HWT–1													M	M					
RP–1			E									E	M	M					
BAS PANEL																			PROVIDE OUTLET & IP DROP
VAV																			PROVIDE JUNCTION BOX FOR CONTROL CIRCUIT
EF–1						E						E							
EF–2						E						E							
EF–3						E						E							
EF–4						E						E							
EF–5		M										M	M	M					
EF–6						E						E							
EF–7		M										M	M	M					
EF–8			E									E	M	M					
EF–9						E						E							
EF–10						E						E							
EF–11			E									E	M	M					
EF–12			E									E	M	M					
RH–1																			
H–1	M											M	M	M					
H–2	M											M	M	M					
H–4	M											M							
DF–1																			
EF–13		M										M	M	M					
L–1																			
L–2																			
L–3																			
WF–1																			PROVIDE GFCI OUTLET
WF–2																			PROVIDE GFCI OUTLET
TP																			
L–4																			
EF–14		E										E							
RH–2																			

Notes:

INTERIOR LIGHT FIXTURE SCHEDULE

Item	Manufacturer/Catalog Number	Voltage	Lamp: Type	Lumens	Colour Temperature	Wattage	CRI	Mounting	Listings	Description
B	COOPER HALO CAT. #PR6–FS12–D010–PR6M–12–MD–9FS–MW LITHONIA CAT. #LBR6 ALO2 SWW1 AR LSS–MWD–MVOLT UGZ–90CRI LIGHTOLIER CAT. #M6R–DL–25–9CS–W–WH–Z10–U	120V	LED	1500	4000K	20W	90	RECESSED	WET LOC.	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT C/W SELF–FLANGED 60 DEGREE BEAM REFLECTOR, SEMI–SPECULAR CLEAR FINISH, AND 1% 0–10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.
L	METALUX CAT. #24CZSCT3–UNV LITHONIA CAT. #STAKS 2X4 ALO6 SWW7 UVOLT SIGNIFY CAT. #2DSRT4060LCS–4–UNV–DIM	120V	LED	5000	4000K	30W	90	RECESSED	N/A	2'X4' (610mmX1220mm) RECESSED SELECTABLE LUMEN TROFFER LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0–10V DIMMING DRIVER SUITABLE FOR T–BAR CEILING NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE
LA	METALUX CAT. #24CZSCT3–UNV–DF–24W–U LITHONIA CAT. #STAKS 2X4 ALO6 SWW7 UVOLT DGA24 SIGNIFY CAT. #2DSRT4060LCS–4–UNV–DIM–FMA24	120V	LED	5000	4000K	30W	80	RECESSED DRYWALL	N/A	2'X4' (610mmX1220mm) RECESSED SELECTABLE LUMEN TROFFER LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0–10V DIMMING DRIVER SUITABLE FOR DRYWALL CEILING NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE
L1	METALUX CAT. #24CZSCT3–UNV LITHONIA CAT. #STAKS 2X4 ALO6 SWW7 UVOLT SIGNIFY CAT. #2DSRT4060LCS–4–UNV–DIM	120V	LED	4000	4000K	30W	80	RECESSED	N/A	2'X4' (610mmX1220mm) RECESSED SELECTABLE LUMEN TROFFER LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0–10V DIMMING DRIVER SUITABLE FOR T–BAR CEILING NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE
L2	METALUX CAT. #14CGTS–NUV LITHONIA CAT. #CPX 1X4 ALO7 80CRI SWW7 SWL MVOLT SIGNIFY CAT. #1SBP3040L8CS–4–UNV–DIM	120V	LED	4000	4000K	30W	80	RECESSED	N/A	1'X4' (305mmX1220mm) RECESSED SELECTABLE LUMEN LED FLAT PANEL FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0–10V DIMMING DRIVER SUITABLE FOR T–BAR CEILING. NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE.
M1S	METALUX CAT. #4SLSTPSLC–UNV–AYC–CHAIN/SET LITHONIA CAT. #CSS–L48–AL03–MVOLT–SWW3–80CRI–HC36–M12 VISCOR CAT. #LCOMN48–LED83550KS–026/037/046S–UN3 C/W KIT00001	120V	LED	4000	4000K	30W	80	SUSPENDED	N/A	4' (1220mm) LENSED SELECTABLE LUMEN STRIP FIXTURE C/W WHITE FINISH, 10%, 0–10V DIMMING DRIVER AND CHAIN HANGING SET. NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE.
G	COOPER CAT. #4AWS–L3C3–UNV LITHONIA CAT# FML4W 48 AL06 SEF 840 MVOLT NWL–4–3050L–8CST–UNV–DIM	120V	LED	5000	4000K	35W	80	WALL	N/A	4' (1220mm) LONG X 4" (102mm) SELECTABLE LUMEN WALL FIXTURE C/W WALL MOUNTING, EXTRUDED ALUMINUM HOUSING AND 0–10V DIMMING DRIVER.
EXIT LIGHTS	AIMLITE CAT. #RPALWUMWHTUNVDC STANPRO CAT. #RMXLOWH–UDC LUMACELL CAT. #LA3WUX	12/120V	LED	N/A	N/A	2.5W (MAX.) AC 2W (MAX.) DC	N/A	SURFACE	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. LIGHTS	AIMLITE CAT. #RMSM212V4WLJWHT STANPRO CAT. #N2–06–12V4WLJWH LUMACELL CAT. #MQM2LD7	12V	LED	N/A	N/A	2–4W PAR18	N/A	SURFACE	N/A	TWIN HEAD LED REMOTE MR16 FIXTURE C/W COMPACT DESIGN, THERMOPLASTIC CONSTRUCTION, WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION.
COMBO UNIT	AIMLITE CAT. #CARPW SERIES EM–1 #CARPW12036X2SM4WLJATD STANPRO CAT. #PRMXL SERIES EM–1 #PRMXL10361–2N4LJ–AT LUMACELL CAT. #LAC SERIES EM–1 #LACXW12502LD7ATN	12/120V	LED	N/A	N/A	2–4W PAR18	N/A	SURFACE	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 2.5" (63mm) THICKNESS, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. BATT.	AIMLITE #EBST12 SERIES: EM–3 #EBST12036–2SM4WLRWHT–ATD EM–4 #EBST12200–2SM4WLRWHT–ATD STANPRO CAT. #SLX12 SERIES EM–3 #SLA12036–2N4LJ/AT EM–4 #SLB12200–2N4LJ/AT LUMACELL CAT. #RGS SERIES EM–3 #RG12S361LD7ATN EM–4 #RG12S2002LD7ATN	12/120V	LED	N/A	N/A	2–4W MR16	N/A	SURFACE	N/A	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE.

NOTES:

1. LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.
2. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (I.E. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.
3. IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.

EXTERIOR LIGHT FIXTURE SCHEDULE

Item	Manufacturer/Catalog Number	Voltage	Lamp: Type	Lumens	Colour Temperature	Wattage	CRI	Mounting	Listings	Description
W	COOPER CAT. #IST–SA1D–730–U–SL3–XX LITHONIA CAT. #WDGE3 LED P1 30K 70CRI R3 MVOLT SIGNIFY CAT. #GWM–A09–830–T3M–UNV–XX	120V	LED	5665	3000K	45.2W	80	WALL		COMPLETE CUT OFF TRAPEZOIDAL LED WALLPACK FIXTURE C/W TYPE '3' WITH MEDIUM DISTRIBUTION, FULL CUT–OFF DARK SKY COMPLIANCE (IDA), AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.
C	COOPER CAT. #HC8–15–D010–HM8–0520–830–81–WD–C GOTHAM CAT. #EVO8SH 30/20 120 GZ10 DFR LITELINE CAT. #GEN08–IC–30–W–SW–B–N–X–N–1	120V	LED	1514	3000K	17.5W	80	RECESSED	IP65	8" (200mm) DIAMETER LED CANOPY DOWNLIGHT FIXTURE, SELF–FLANGED, DAMP LOCATION C/W SPECULAR CLEAR FINISH, WIDE BEAM REFLECTOR AND IP65 GASKET KIT.
P	COOPER CAT. #GALN SERIES C/W FADC (FIELD ADJUSTABLE OUTPUT) LITHONIA CAT. #DSX1LED–P1–30K–70CRI–TFTM–MVOLT–SPA C/W FAO (FIELD ADJUSTABLE OUTPUT) SIGNIFY CAT. #ECF–S–32L SERIES C/W FAWS (FIELD ADJUSTABLE OUTPUT) POLE SPECIFICATION: DYNAPOLE CAT. #SRA5–20	120V	LED	7446	3000K	51W	70	POLE		POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE 4 FORWARD THROW DISTRIBUTION OPTICS, FULL CUT–OFF DARK SKY COMPLIANCE (IDA), AND 20' (6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.
P2	COOPER CAT. #GALN SERIES C/W FADC (FIELD ADJUSTABLE OUTPUT) LITHONIA CAT. #DSX1LED–P1–30K–70CRI–TFTM–MVOLT–SPA C/W FAO (FIELD ADJUSTABLE OUTPUT) SIGNIFY CAT. #ECF–S–32L SERIES C/W FAWS (FIELD ADJUSTABLE OUTPUT) POLE SPECIFICATION: DYNAPOLE CAT. #SRA5–20	120V	LED	14892	3000K	102W	70	POLE		POLE MOUNTED DECORATIVE LED FIXTURE (2 HEADS) C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE 4 FORWARD THROW DISTRIBUTION OPTICS, FULL CUT–OFF DARK SKY COMPLIANCE (IDA), AND 20' (6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.

NOTES:

1. LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.
2. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (I.E. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.
3. IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.

FLOOR BOX SCHEDULE

Item	Manufacturer/Catalog Number	Type	Devices	Finish	Fire Rating	No. Gangs	Desription
FB	WIREMOLD CAT.#4ATCP2RAA, 4REC & 42A CAT.#880CM2–1, 828TCAL, 828GFITCAL HUBBELL APPROVED EQUIVALENT WELLMARK APPROVED EQUIVALENT	POKE–THRU	ONE (1) X 20A DUPLEX RECEPTACLE ONE (1) X DECORA CUTOUT – DATA	TBD	YES	2	4" POKE–THRU C/W DEVICES AS NOTED AND FLANGED COVER ASSEMBLY COVER. STANDARD COVER FINISH TO BE CONFIRMED BY ARCHITECT. PROVIDE 21mmC FOR POWER AND 27mmC FOR COMMUNICATION CONTRACTOR'S USE BELOW FLOOR SLAB TO POKE THRU BOX LOCATION AS SHOWN.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

DETAILS & SCHEDULES

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

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CHECKED: JB	
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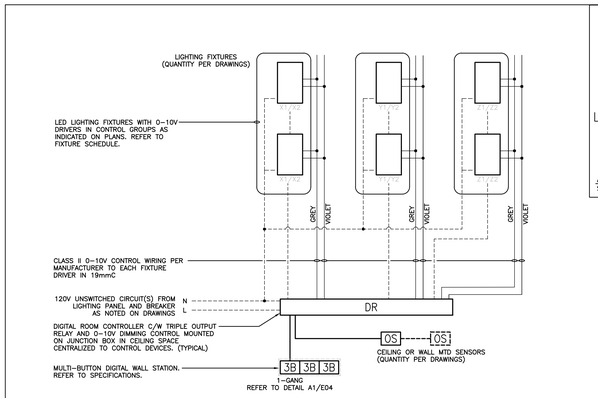

A–TYPICAL CLASSROOM MULTI–LEVEL OCCUPANCY CONTROL
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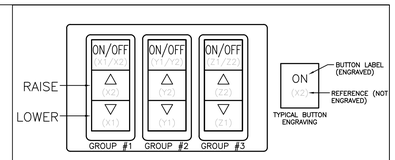

A1–BUTTON CONFIGURATION
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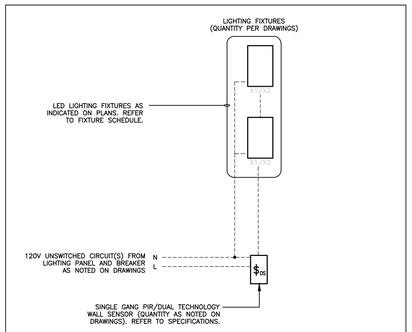

B–OCCUPANCY SENSOR SWITCH C/W 0–10V
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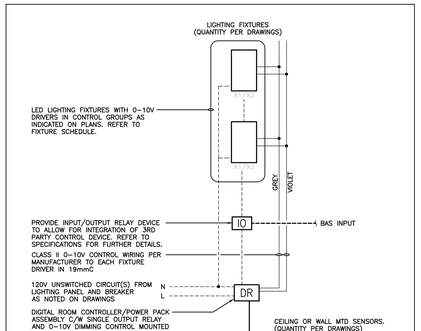
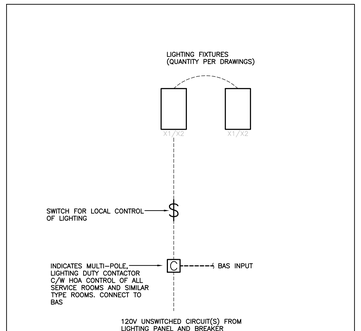
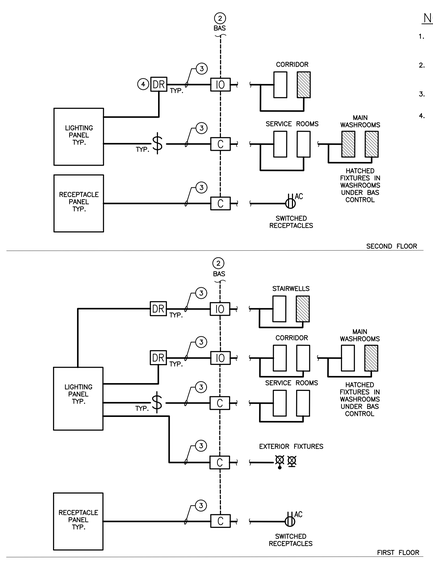


C–TYPICAL CORRIDOR SECTION OCCUPANCY CONTROL
SCALE: N.T.S.



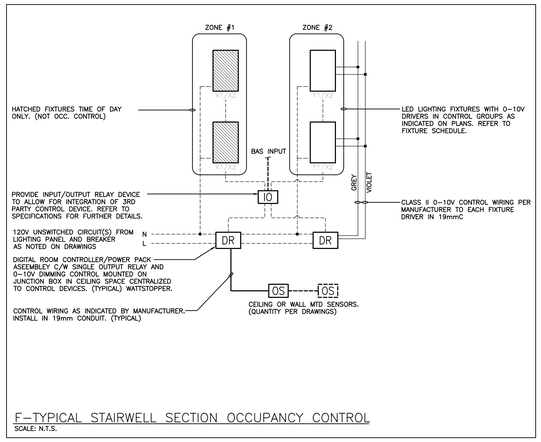
D–TYPICAL SERVICE ROOM LIGHTING CONTROL
SCALE: N.T.S.



NOTES

1. REFER TO INDIVIDUAL SPACE CONTROL SYSTEMS, DETAILS AND FLOOR PLANS FOR QUANTITY OF RELAYS, DEVICES, ZONES AND DIGITAL WALL STATION CONTROLS.
2. PROVIDE CONTACT CLOSURE INTERFACE FROM NEAREST SECURITY SYSTEM FOR SYSTEM "ARMED" AND "DISARMED" STATUS OF BUILDING FOR "SCHOOL CLOSED" AND "SCHOOL OPEN" CONTROL EVENTS.
3. INDICATES TYPICAL CIRCUIT TO AREAS OF CONTROL. REFER TO FLOOR PLANS FOR QUANTITY OF CIRCUITS.
4. REFER TO LIGHTING CONTROL DETAILS FOR EACH SPECIFIC ROOM TYPE OF LOCAL DIGITAL CONTROLS.

E– CONTACTOR / RELAY DEVICE LIGHTING CONTROL DETAIL
SCALE: NTS



F–TYPICAL STAIRWELL SECTION OCCUPANCY CONTROL
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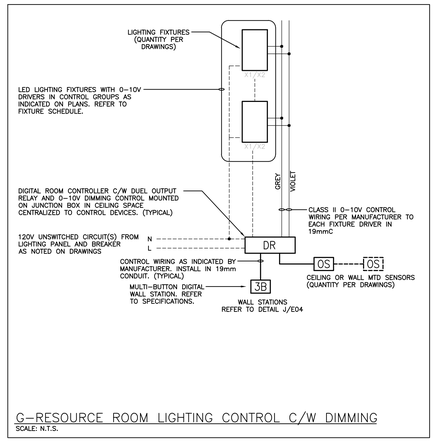

G–RESOURCE ROOM LIGHTING CONTROL C/W DIMMING
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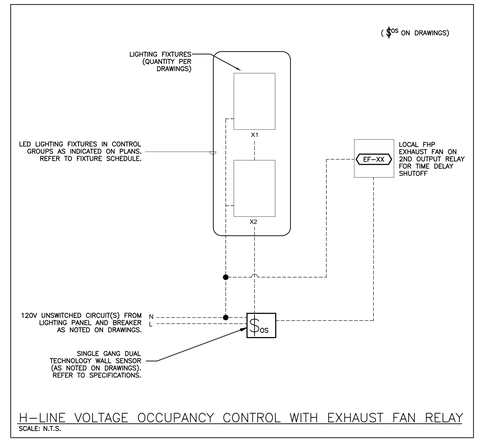

H–LINE VOLTAGE OCCUPANCY CONTROL WITH EXHAUST FAN RELAY
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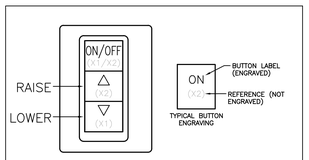

J–BUTTON CONFIGURATION
SCALE: NTS

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION

Space Type	Room Names	Control Sequence / Control Device(s):	Control System
Public Corridors/Vestibules, Stairwells and Main Washrooms	TYPICAL FOR SCHOOL CORRIDORS, VESTIBULES, STAIRWELLS	Sequence: AUTO ON: BAS signal to digital input/output relay device for corridors, stairwells and main washrooms after school opening (security disarmed) to turn on all fixtures. ON FULL: Lights turned to 100% output via occupancy sensor. NORMAL HOURS AUTO ADJUST: 15 minutes after area is vacated, lights dim to 50% output. AUTO OFF: BAS signal to digital input/output relay device for corridor, stairwells and main washrooms after school closing (When BAS receives security armed signal from security panel) to turn off all fixtures. ALARM ON FULL: Lights turned to 100% output via alarm signal from BAS.	DIGITAL ROOM CONTROL SYSTEM C/W INPUT OUTPUT RELAY DEVICE FOR BAS SIGNAL OVERRIDE
Service Rooms / Kitchen	TYPICAL	Sequence: ON: Lights turned on manually via wall switch. OFF: Lights turned off manually via wall switch. AUTO OFF: BAS signal to contactor for service room zones after school closing (When BAS receives security armed signal from security panel) to turn off all fixtures. ALARM ON FULL: Lights turned to 100% output via alarm signal from BAS. CONTACTOR HAND MODE: Lights are to be on regardless of BAS signal. CONTACTOR OFF MODE: Lights are to be off regardless of BAS signal. CONTACTOR AUTO MODE: Lights are to be on/off based on BAS signal.	LOCAL CONTROL SWITCH C/W CONTACTOR FOR BAS SIGNAL OVERRIDE
Public Washrooms /Change Rooms /Private Washrooms	TYPICAL	Sequence: ON: Lights turned on automatically via occupancy sensor (where applicable). OFF: 10 minutes after the room has been vacated, the lights will automatically turn off.	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM
Storage	TYPICAL	Sequence: ON: Lights turned on manually via wall sensor switch (vacancy mode). OFF: 5 minutes after the room has been vacated, the lights will automatically turn off.	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM
Classrooms / Infant / Toddler / Preschool Rooms	TYPICAL	Sequence: ON: Lights turned on manually via wall station(s) (vacancy mode). ADJUST: The occupant manually adjusts lighting within the room to desired level via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: User manually adjusts fixture zone lighting levels or on/off and that state shall remain without reverting to previous state unless sensors do not detect occupancy for extended period, whereby normal sensor operation is to resume. AUTOMATIC RECEPTACLE CONTROL: A minimum of 50% of all duplex receptacles (as noted on plans) to be shut off at school closing and reactivate at school opening.	DIGITAL ROOM CONTROL SYSTEM C/W RECEPTACLE CONTROL VIA CONTACTOR FOR BAS SIGNAL OVERRIDE
Library	LEARNING COMMONS	Sequence: ON: Lights turned on manually via wall station(s) (vacancy mode). ADJUST: The occupant manually adjusts lighting within the room to desired level via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: User manually adjusts fixture zone lighting levels or on/off and that state shall remain without reverting to previous state unless sensors do not detect occupancy for extended period, whereby normal sensor operation is to resume.	DIGITAL ROOM CONTROL SYSTEM
Exterior	POLE FIXTURES WALL PACKS CANOPY FIXTURES	Sequence: ON PM: Lights turn on automatically via contactors c/w input from BAS system for time of day schedule as noted by school board. OFF PM: Lights turn on automatically via contactors c/w input from BAS system for time of day schedule as noted by school board. CONTACTOR HAND MODE: Lights are to be on regardless of BAS signal. CONTACTOR OFF MODE: Lights are to be off regardless of BAS signal. CONTACTOR AUTO MODE: Lights are to be on/off based on BAS signal.	MULTI–POLE CONTACTOR(S) C/W INPUT CONTACTS FOR CONNECTION TO BAS SYSTEM.

SYSTEM DESCRIPTIONS:

DIGITAL ROOM CONTROL (DLM) SYSTEM

DIGITAL ROOM CONTROL RELAY POWER PACKS C/W PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.

REFER TO SPECIFICATIONS SECTION 26 51 16.

LINE VOLTAGE OCCUPANCY CONTROL SYSTEM

LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.

REFER TO SPECIFICATIONS SECTION 26 05 75.

NOTES:

1. ALL INDICATED TIMES, INCLUDING 'SCHOOL OPENING' AND 'SCHOOL CLOSING', SHALL BE COORDINATED WITH SCHOOL BOARD REPRESENTATIVE AND SHALL ACTIVATE VIA THE SCHOOL SECURITY SYSTEM 'ARMED' AND 'DISARMED'.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L8A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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55 Northland Road, Waterloo, ON, N2J 2Y8
Phone: 519-745-1055
Website: deiassociates.ca
Project Number: 24143

HOSSACK ARCHITECTURE
155 - 1020 IRONOAK WAY
OAKVILLE, ON L6H 3V8
(905) 815-0004 admin@hossackarch.com

LIGHTING CONTROL
DETAILS &
SEQUENCE

SCALE: As indicated	PROJECT: 24114
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CHECKED: JB	
PRINT DATE	
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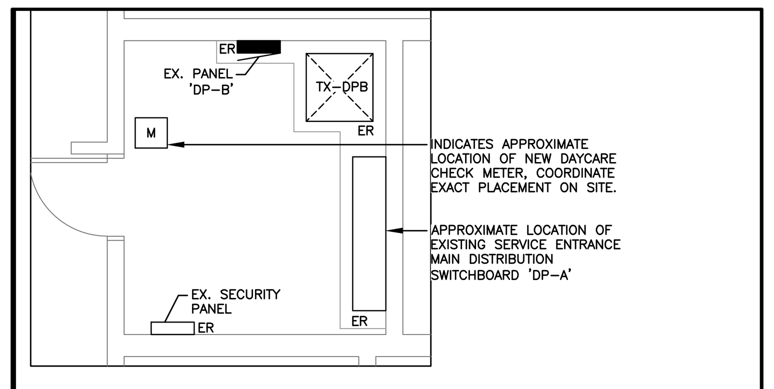
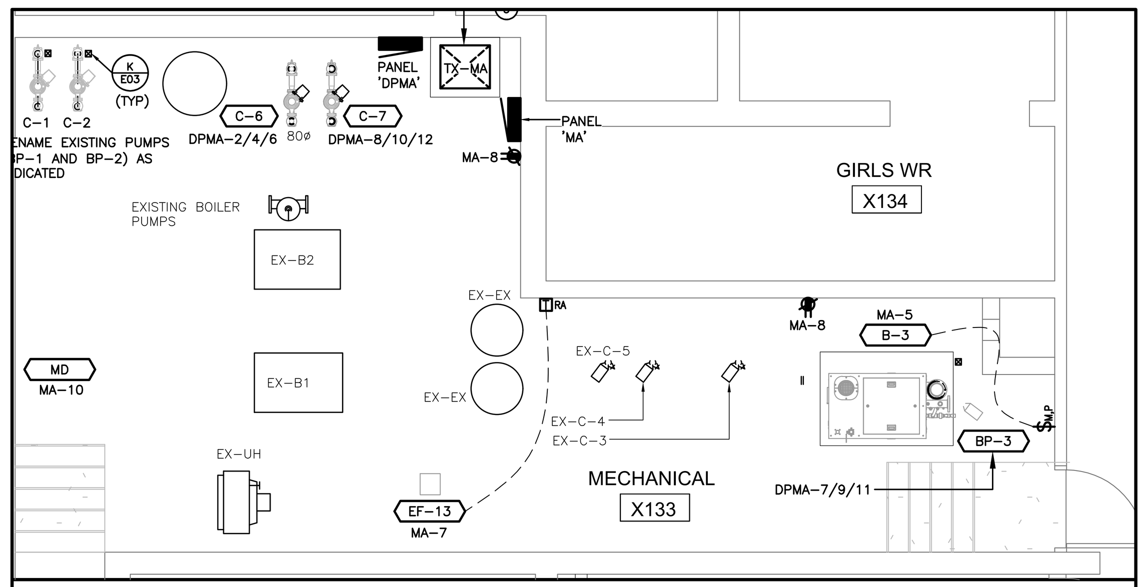


A – ENLARGED PLAN – EXISTING ELECTRICAL ROOM
SCALE: 1:50



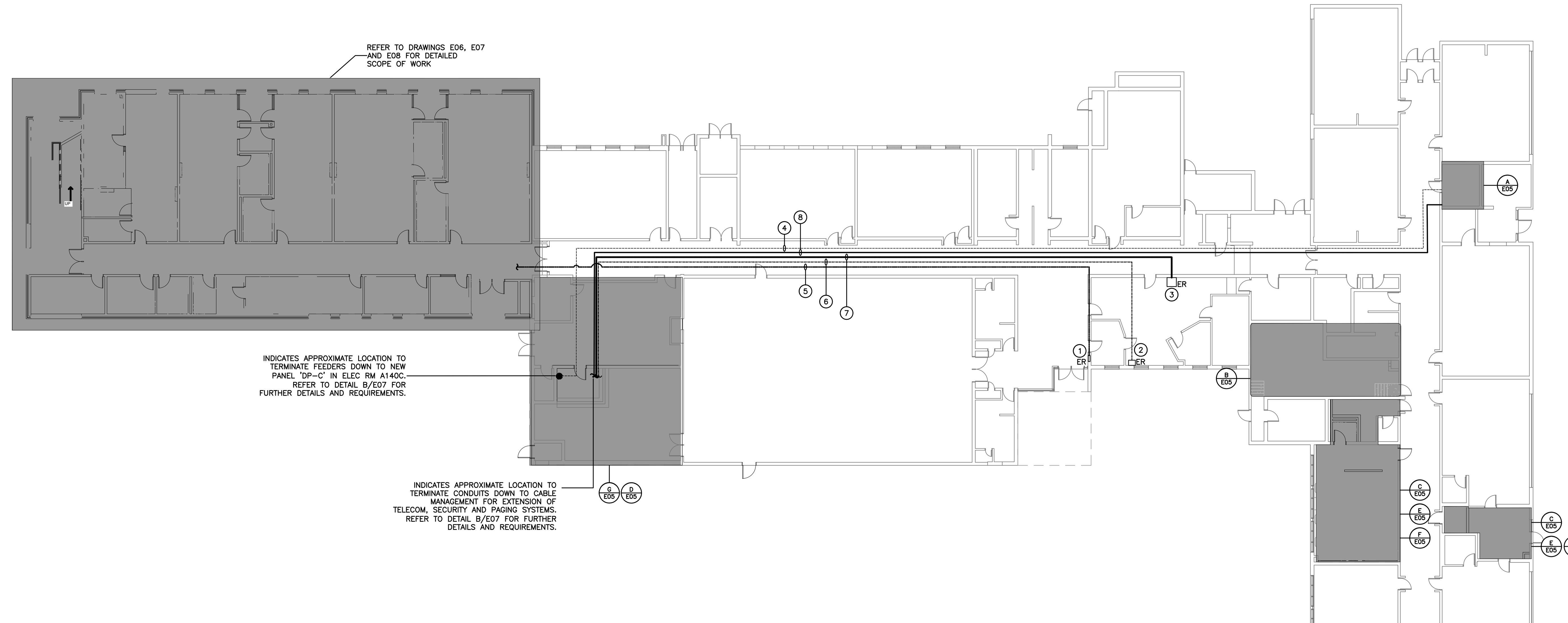
B – ENLARGED PLAN – EXISTING MECH x133
SCALE: 1:50

GENERAL KEYPLAN / ENLARGED PLAN NOTES

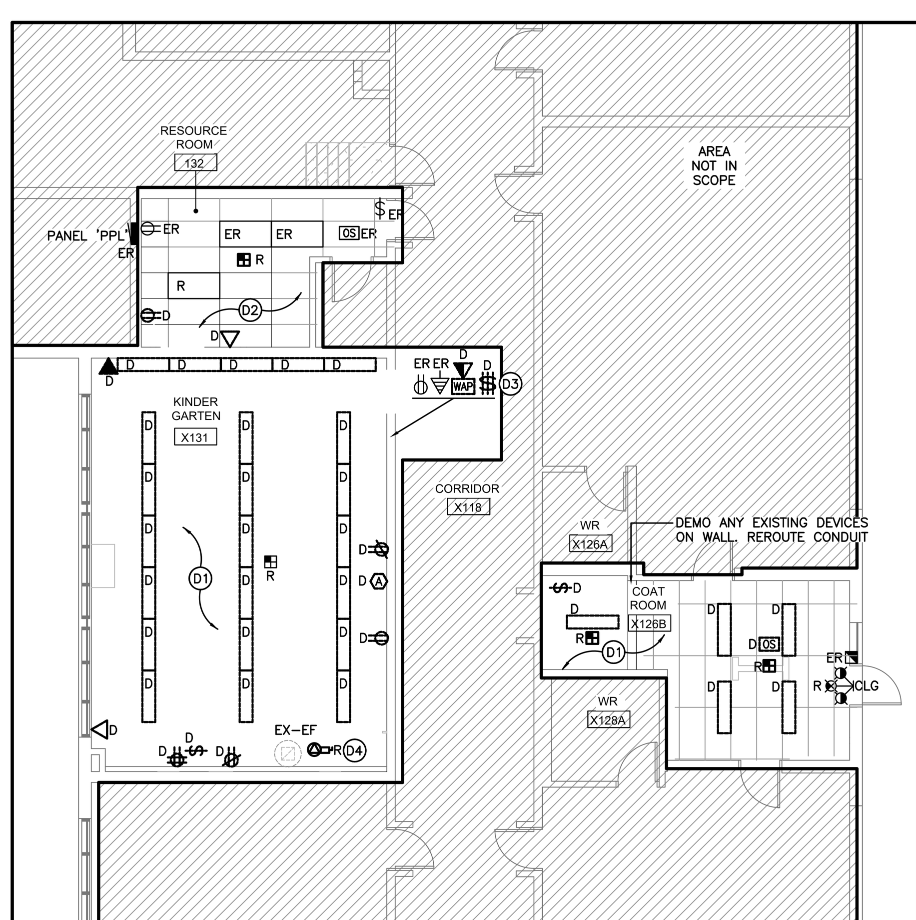
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ROUTING OF NEW SERVICES THROUGH EXISTING PORTIONS OF THE SCHOOLS AND REMOVE TILES, ETC. AS REQUIRED. ELECTRICAL CONTRACTOR TO REPLACE ANY MARKED OR DAMAGED TILES.

SPECIFIC KEYPLAN / ENLARGED PLAN NOTES

1. INDICATES APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL – SIMPLEX 4100ES.
2. INDICATES APPROXIMATE LOCATION OF EXISTING DATA RACK.
3. INDICATES APPROXIMATE LOCATION OF EXISTING MAIN PUBLIC ADDRESS CONSOLE MULTICOM-2000
4. PROVIDE NEW FEEDERS TO DISTRIBUTION PANEL 'DP-C' IN MECHANICAL RM 107 FROM EXISTING 600A 600/347V MAIN SWITCHBOARD 'DP-A' LOCATED IN EXISTING ELECTRICAL ROOM 123. REFER TO SINGLE LINE DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.
5. PROVIDE ONE (1) 53mmC CONDUIT TO NEW ADDITION FROM EXISTING FIRE ALARM CONTROL PANEL FOR EXTENSION OF FIRE ALARM SERVICES. REFER TO FIRE ALARM RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.
6. PROVIDE ONE (1) 53mmC CONDUIT TO TELECOMMUNICATIONS BACKBOARD LOCATED IN ELEC RM 140C FROM EXISTING DATA RACK LOCATED IN OFFICE 138 FOR EXTENSION OF TELECOM SERVICES. REFER TO TELECOMMUNICATIONS RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.
7. PROVIDE ONE (1) 53mmC CONDUIT TO TELECOMMUNICATIONS BACKBOARD LOCATED IN ELEC RM 140C FROM EXISTING MAIN PUBLIC ADDRESS CONSOLE LOCATED IN OFFICE 138 FOR EXTENSION OF PUBLIC ADDRESS SYSTEM SERVICES. REFER TO PUBLIC ADDRESS RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.
8. PROVIDE ONE (1) 53mmC CONDUIT TO TELECOMMUNICATIONS BACKBOARD LOCATED IN ELEC RM 140C FROM EXISTING MAIN SECURITY PANEL LOCATED IN EXISTING ELECTRICAL ROOM 123 FOR EXTENSION OF SECURITY SYSTEM SERVICES. REFER TO SECURITY RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.
9. INDICATES HOUSEKEEPING CONCRETE PAD TO BE PROVIDED BY GENERAL CONTRACTOR.



OVERALL KEY PLAN
SCALE: 1:200



C – ENLARGED ELECTRICAL PLAN – DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

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

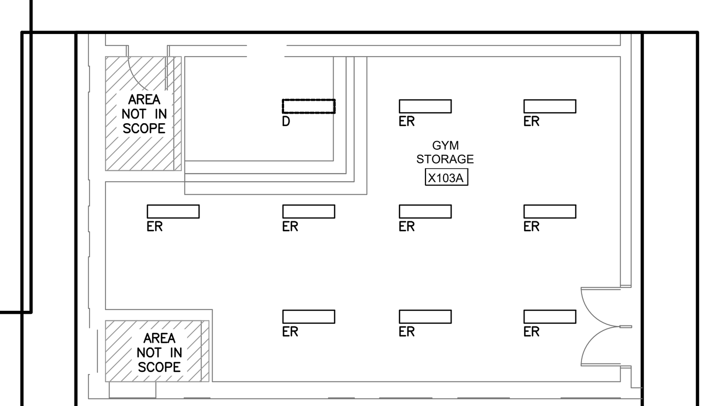
SPECIFIC DEMOLITION NOTES

D1 EXISTING FIXTURES WITHIN THIS AREA SHOWN SHALL BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN, REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED TO SUIT NEW FIXTURES AND CONTROLS AS SHOWN ON RENOVATION DRAWINGS FOR A COMPLETE WORKING SYSTEM.

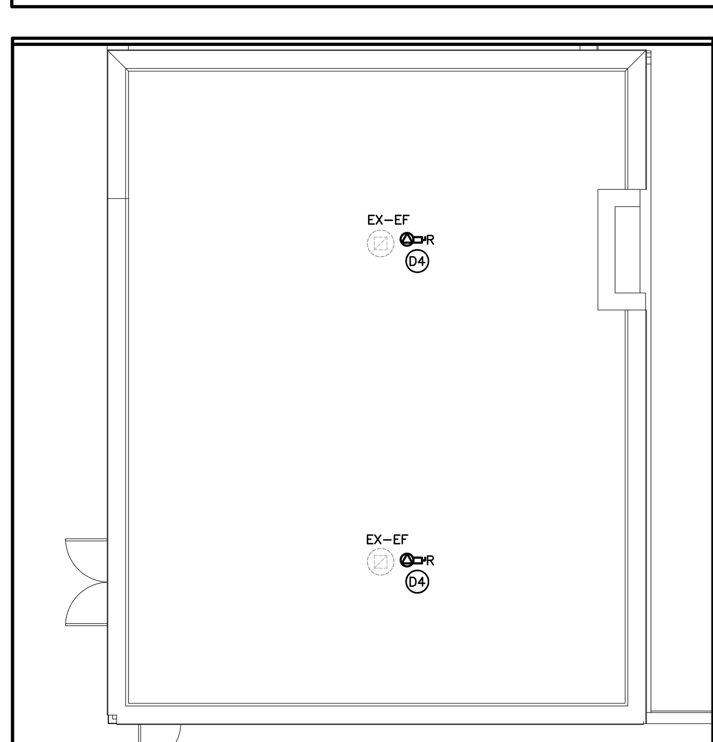
D2 REMOVE AND REINSTALL ALL CEILING MOUNTED DEVICES / FIXTURES AS SHOWN WITH 'R' TO ACCOMMODATE NEW WASHROOM BEING BUILT IN THIS AREA. REWORK/EXTEND EXISTING WIRING AS REQUIRED TO SUIT NEW LOCATION OF EXISTING DEVICES / FIXTURES AS SHOWN ON RENOVATION PLANS FOR A COMPLETE WORKING SYSTEM.

D3 MAINTAIN EXISTING BACKBOXES AND CONDUIT FOR NEW DIMMING WALL STATIONS. REFER TO RENOVATION PLANS FOR FURTHER DETAILS AND REQUIREMENTS.

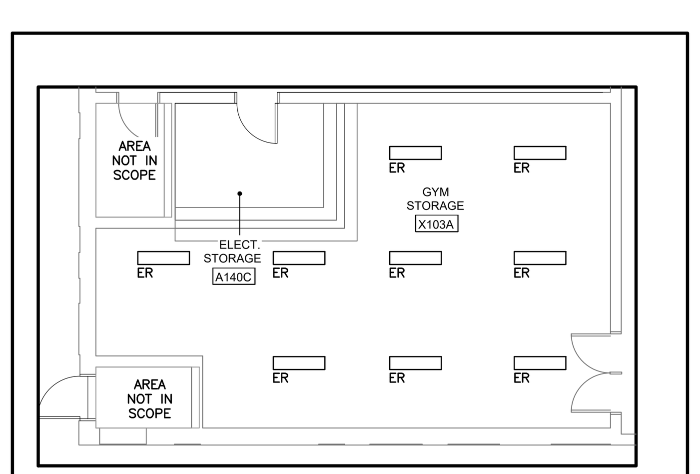
D4 INDICATES EXISTING EXHAUST FAN TO BE REMOVED AND RELOCATED BY MECHANICAL CONTRACTOR. REWORK / EXTEND EXISTING FEEDER TO NEW LOCATION AS SHOWN ON ROOF RENOVATION PLAN FOR A COMPLETE WORKING SYSTEM.



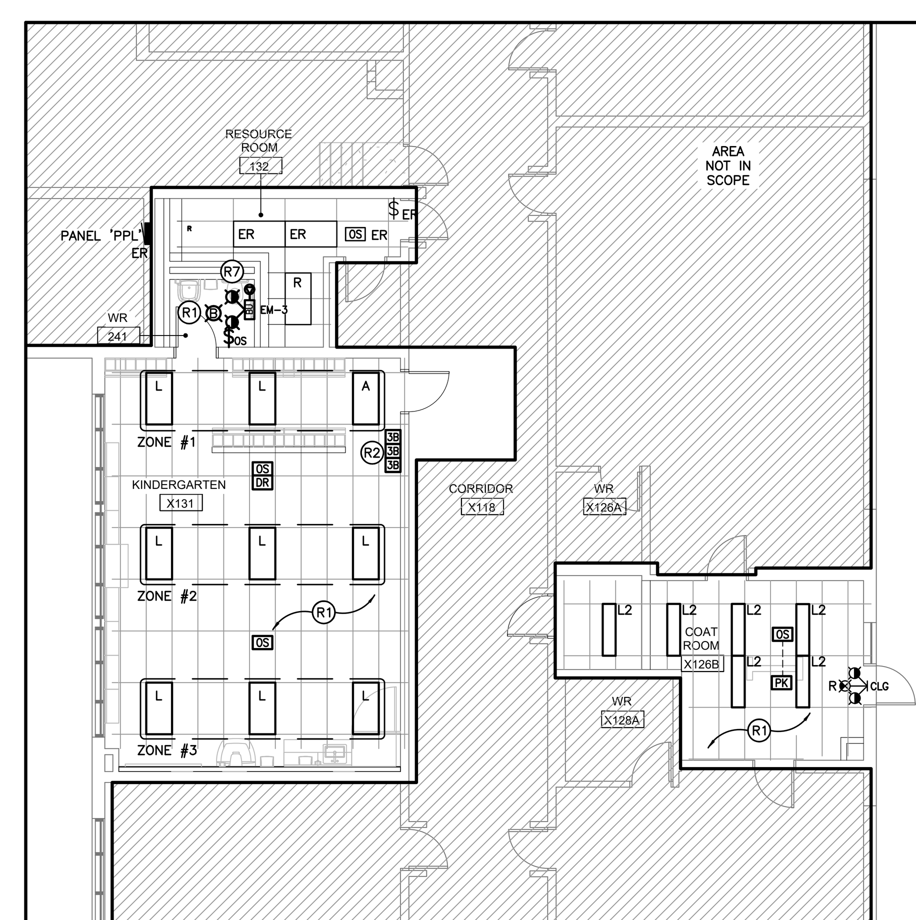
D – ENLARGED LIGHTING PLAN – DEMOLITION
SCALE: 1:100



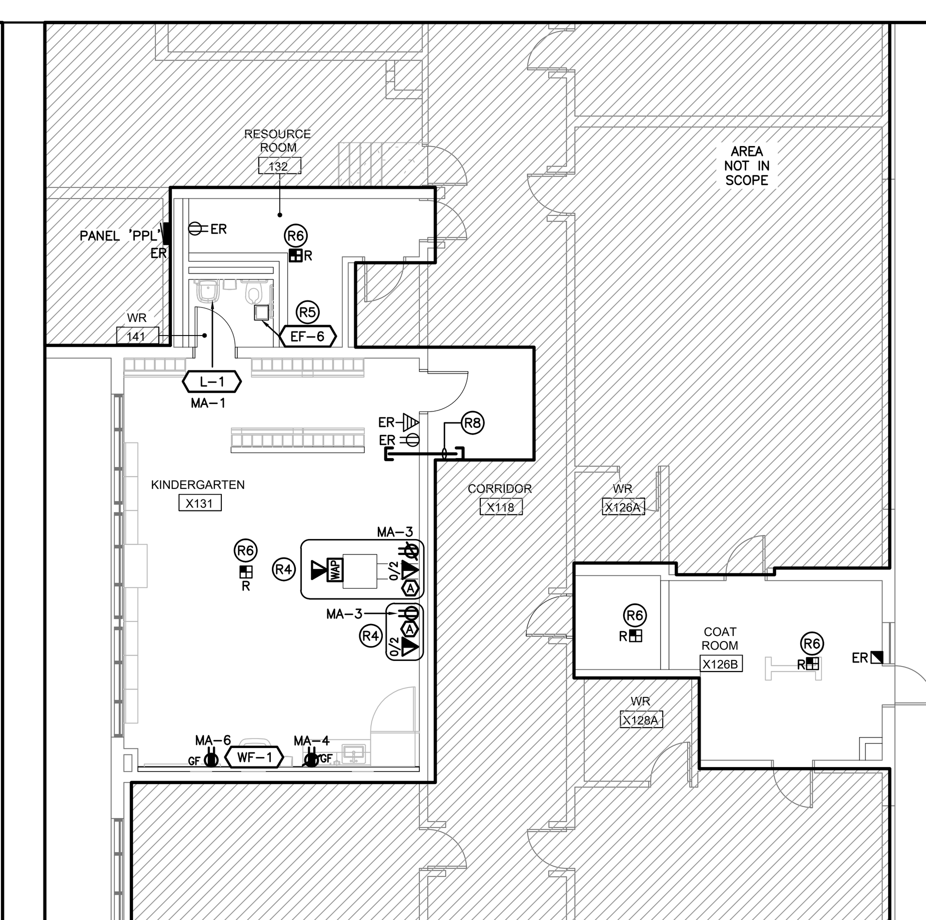
G – ROOF PART PLAN – DEMOLITION
SCALE: 1:100



G – ENLARGED LIGHTING PLAN – RENOVATION
SCALE: 1:100



E – ENLARGED LIGHTING PLAN – RENOVATION
SCALE: 1:100



F – ENLARGED POWER & SYSTEMS PLAN – RENOVATION
SCALE: 1:100

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

R1 UTILIZE EXISTING LOCAL LIGHTING CIRCUIT MADE AVAILABLE FROM DEMOLITION AND CONNECT TO NEW LIGHT FIXTURE(S) AND CONTROLS AS SHOWN FOR A COMPLETE WORKING SYSTEM.

R2 UTILIZE EXISTING BACKBOXES MADE AVAILABLE FROM DEMOLITION AND PROVIDE DIMMING WALL STATION(S) AS SHOWN FOR CONTROL OF LIGHTING GROUPS AS INDICATED. PROVIDE BLANK COVERPLATE FOR INACTIVE/REDUNDANT SWITCHES.

R3 REWORK AND EXTEND EXISTING LOCAL LIGHTING CIRCUIT AND CONNECT TO NEW LIGHT FIXTURE(S) AND CONTROL FOR A COMPLETE WORKING SYSTEM.

R4 PROVIDE DEVICES INDICATED FOR SHORT THROW PROJECTOR SYSTEM. REFER TO DETAIL A/E03 FOR FURTHER DETAILS AND REQUIREMENTS.

R5 INTERLOCK EXHAUST FAN INDICATED WITH LOCAL LIGHTING CIRCUIT AND WALL OCCUPANCY SENSOR CONTROL. REFER TO EQUIPMENT WIRING SCHEDULE AND TO DETAIL H/E04 FOR FURTHER DETAILS AND REQUIREMENTS.

R6 INDICATES EXISTING HEAT DETECTOR IN RELOCATED POSITION. REWORK AND EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED TO SUIT REVISE LOCATION. EXISTING DEVICE SHALL BE RE-VERIFIED IN CONFORMANCE WITH CAN/ULC-S537 "VERIFICATION OF FIRE ALARM SYSTEMS" TO ENSURE SATISFACTORY OPERATION.

R7 INDICATES EMERGENCY BATTERY UNIT TO BE CONNECTED TO THE UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT FOR AREA THAT THE UNIT SERVES.

R8 PROVIDE 53mmC CONDUIT + SLEEVE FROM CORRIDOR CABLE MANAGEMENT TO ROOM INDICATED FOR COMMUNICATION'S CONTRACTOR USE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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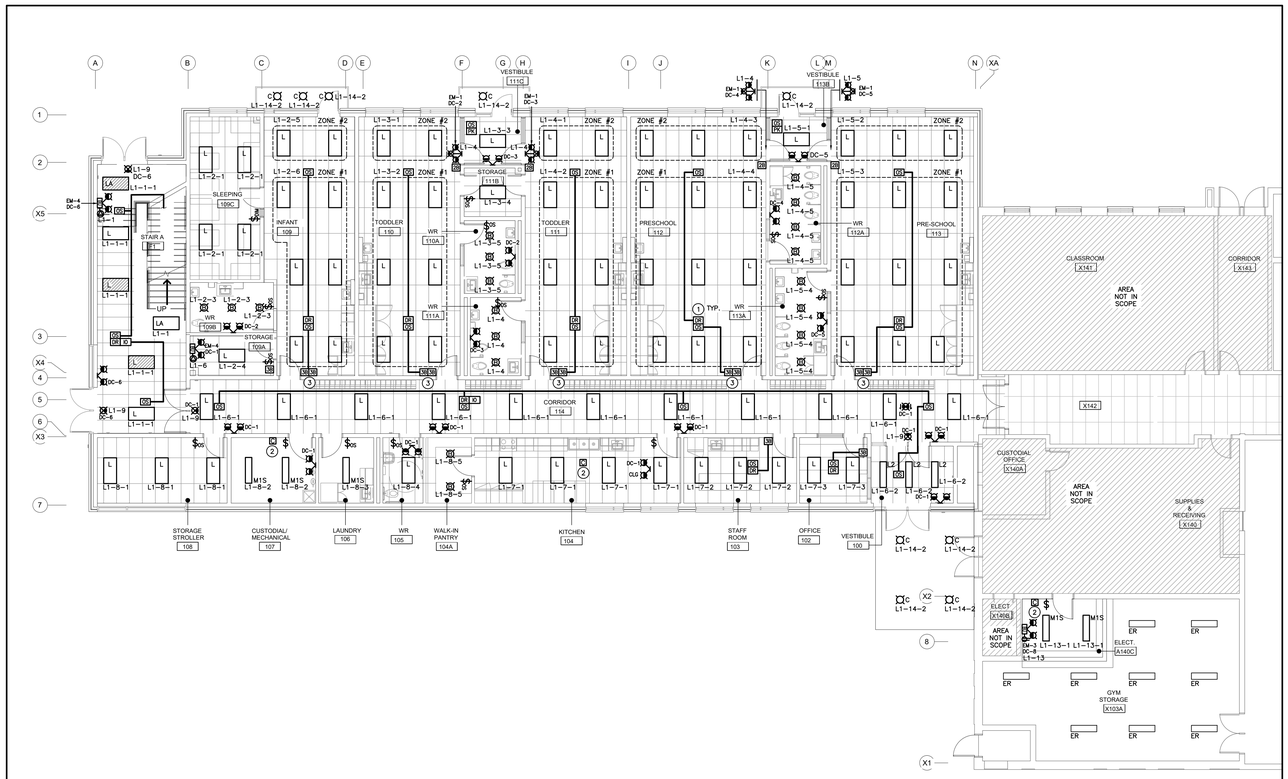
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

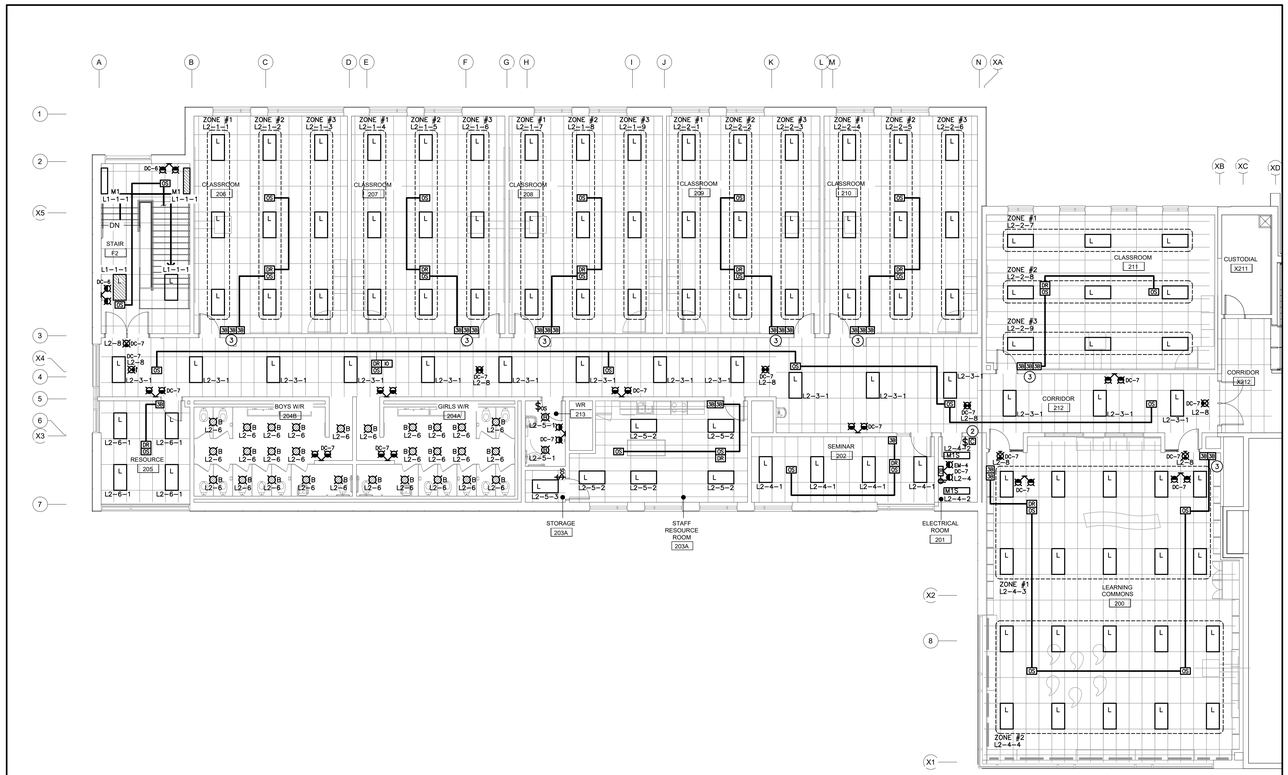
OVERALL KEY PLAN AND GROUND FLOOR PART PLANS - DEMOLITION AND RENOVATION

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

SCALE	As indicated	PROJECT	24114
DATE	November 2024		
DRAWN	AAA	DRAWING	E05
CHECKED	JB		
PRINT DATE			
REVIT FILE		T:\2024\24113\02\Revit.RVT	



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



SECOND FLOOR PART PLAN – RENOVATION – LIGHTING
SCALE: 1:100

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

1 INDICATES DIGITAL ROOM CONTROLLER TO BE INSTALLED IN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSORS. REFER TO LIGHTING CONTROL DETAILS.

2 PROVIDE 120V 15A CONTACTOR LOCATED ABOVE ACCESSIBLE CEILING SPACE (T-BAR AREAS) OR ON WALL (NON T-BAR AREAS) FOR CONTROL OF LIGHT FIXTURES IN ROOM SHOWN. CONTACTOR SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.

3 INDICATES DEVICES TO BE INSTALLED ON BLOCK WALL. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT FOR ALL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL J/E03.

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INCLUDING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
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PROVINCE OF ONTARIO

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MOUNT HOPE ES
RENOVATION &
ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L8A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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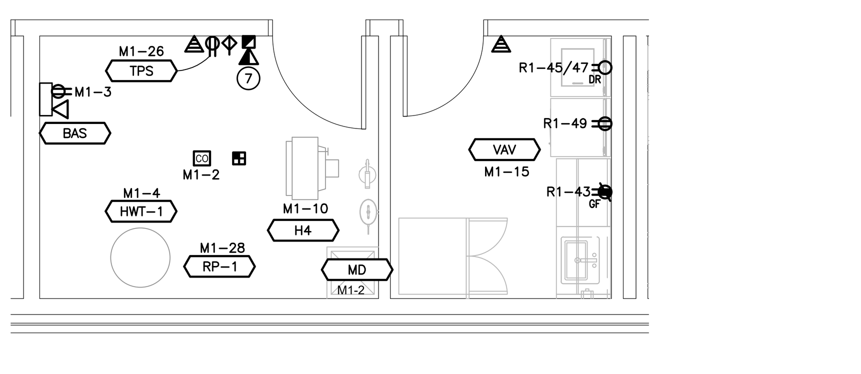
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2J 2Y8
Phone: 519-745-2055
Website: deiassociates.ca
Project Number: 24243

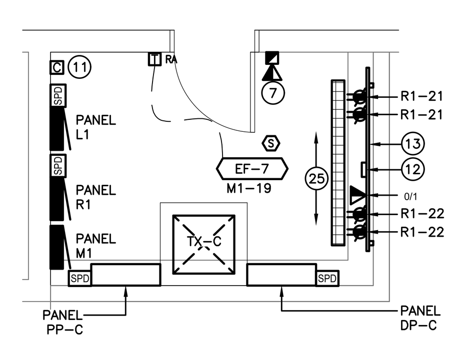
GROUND & SECOND FLOOR PART PLAN - LIGHTING

HOSSACK ARCHITECTURE
105 - 1932 IRONOAK WAY
OAKVILLE, ON L6H 3V8
www.hossackarchitecture.com

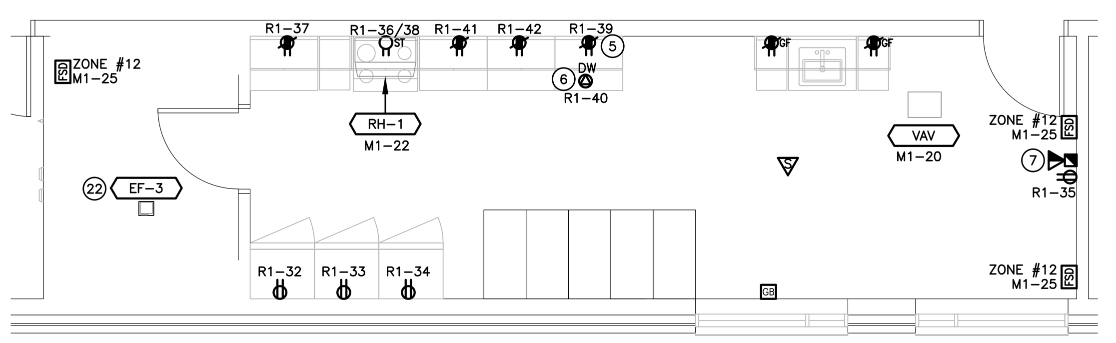
SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: AAA	DRAWING: E06
CHECKED: JB	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



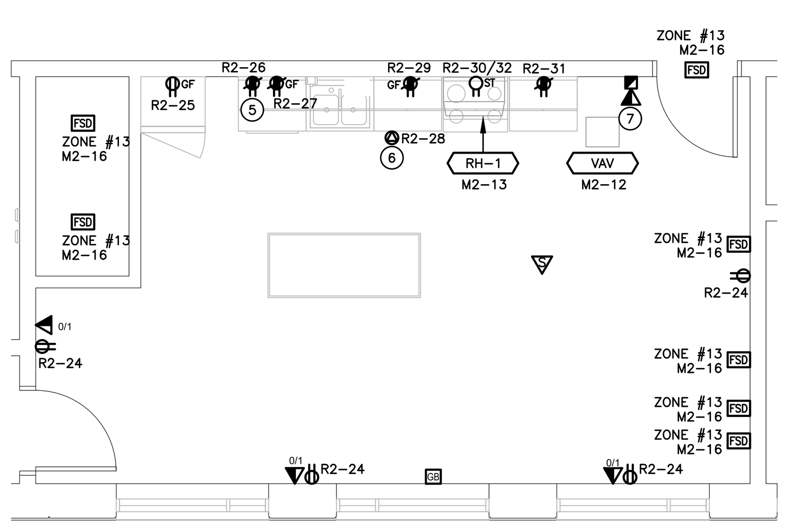
A – ENLARGED PLAN – CUST./MECH. 107 & LAUNDRY 106
SCALE: 1:50



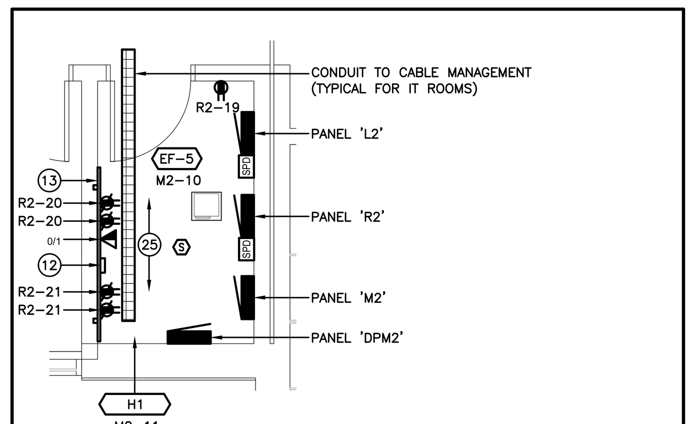
B – ENLARGED PLAN – ELEC RM. A140C
SCALE: 1:50



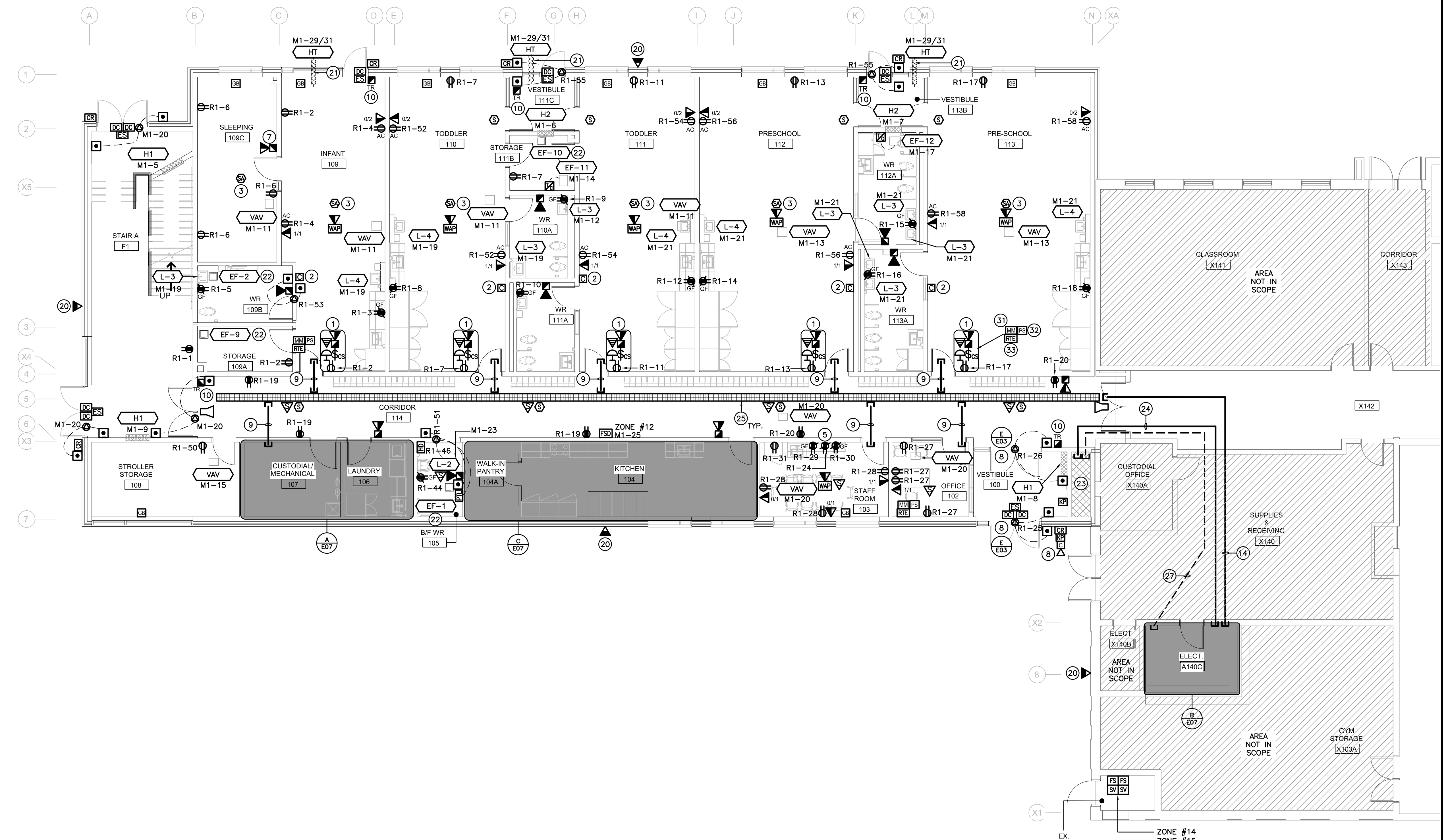
C – ENLARGED PLAN – KITCHEN 104
SCALE: 1:50



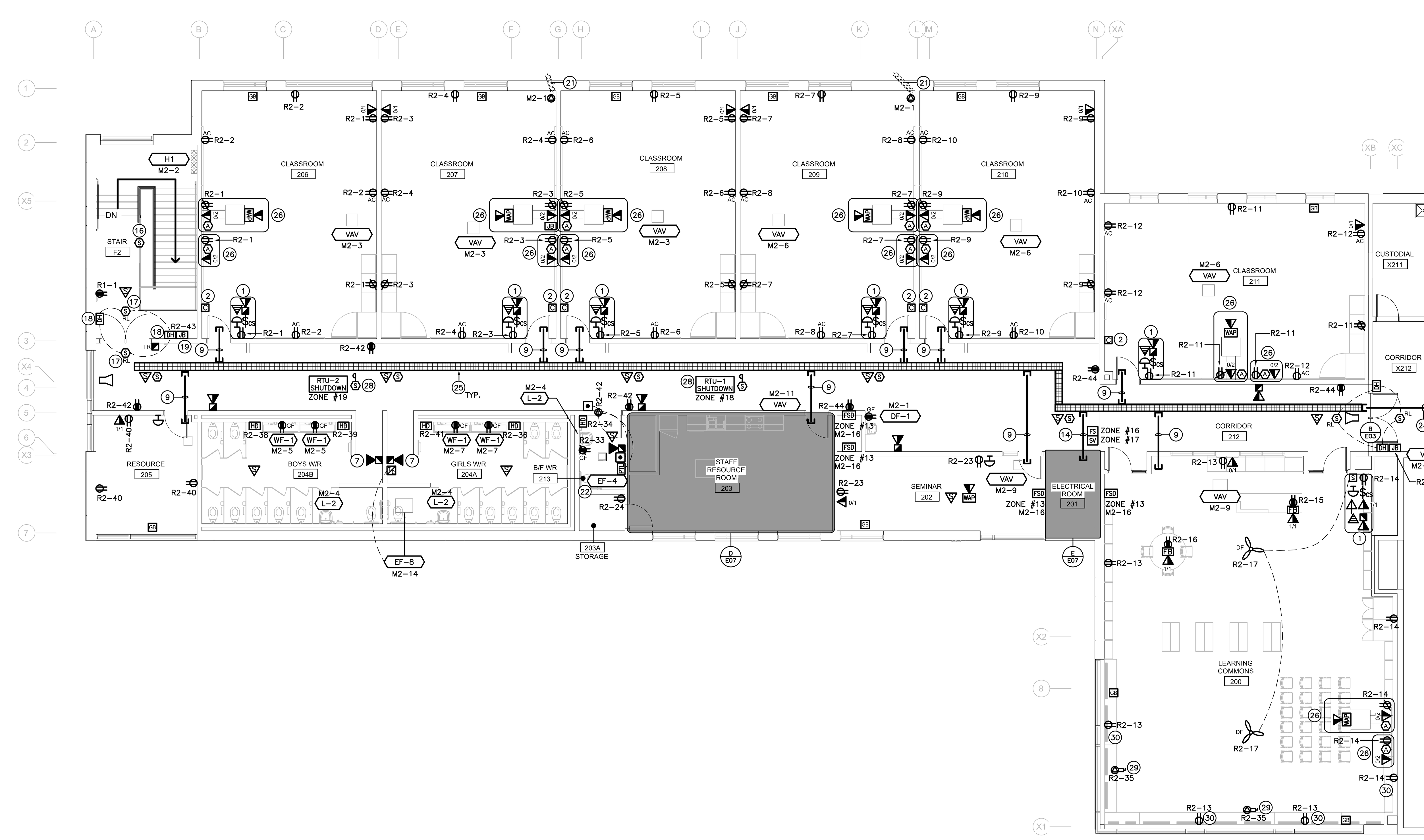
D – ENLARGED PLAN – STAFF RESOURCE ROOM 203
SCALE: 1:50



E – ENLARGED PLAN – ELECTRICAL ROOM 201
SCALE: 1:50



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



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

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

1 INDICATES DEVICES TO BE INSTALLED ON BLOCK WALL. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT FOR ALL DEVICES WITH ARCHITECT PRIOR TO ROUGH–IN. REFER TO DETAIL J/E03.

2 PROVIDE 120V 15A CONTACTOR LOCATED ABOVE ACCESSIBLE CEILING SPACE FOR CONTROL OF ALL NOTED AUTOMATICALLY CONTROLLED RECEPTACLE CIRCUITS ('AC'). CONTACTOR SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.

3 CONNECT INDICATED SMOKE ALARM TO LINE SIDE OF LOCAL LIGHTING CIRCUIT. ALL SMOKE ALARMS IN CHILD CARE AREA ARE TO BE INTERCONNECTED

4 RESERVED

5 PROVIDE 120V 20A RECEPTACLE FOR OWNER SUPPLIED MICROWAVE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL MILLWORK DRAWINGS PRIOR TO ROUGH–IN.

6 PROVIDE 120V 1PH 15A HARDWIRE CONNECTION FOR OWNER SUPPLIED DISHWASHER. COORDINATE EXACT LOCATION WITH ARCHITECTURAL MILLWORK DRAWINGS PRIOR TO ROUGH–IN. CONTRACTOR SHALL INCLUDE AS PART OF BASE BID PRICE TO INSTALL OWNER SUPPLIED DISHWASHER AND CONNECT FOR A COMPLETE WORKING SYSTEM.

7 SET FIRE ALARM DEVICE INDICATED TO LOW DB SETTING.

8 PROVIDE 120V 15A HARDWIRE CONNECTION FOR POWER DOOR OPERATOR C/W LOW VOLTAGE WIRING (4#18AWG IN 13mmC) TO HANDICAP PUSHBUTTONS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DESIGNER AND DOOR HARDWARE SUPPLIER PRIOR TO ROUGH–IN.

9 PROVIDE 53mmC CONDUIT + SLEEVE FROM CORRIDOR CABLE MANAGEMENT TO ROOM INDICATED FOR COMMUNICATION'S CONTRACTOR USE.

10 PROVIDE TAMPERPROOF GUARD FOR PULLSTATION INDICATED. REFER TO SPECIFICATIONS FOR FURTHER DETAILS.

11 PROVIDE 120V 15A MULTIPOLE LIGHTING DUTY CONTACTORS FOR CONTROL OF ALL EXTERIOR LIGHTING. CONTACTORS SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.

12 PROVIDE 127mmX50mmX6mm (5"X2"X1/4") CU GROUND BUS BAR MOUNTED AT TOP OF PLYWOOD BACKBOARD C/W #6 CU (MIN.) INSULATED GROUND WIRE TO MAIN BUILDING GROUND.

13 PROVIDE 2438.4mm X 19mm (HXD), LENGTH AS SHOWN FIRE RATED PLYWOOD BACKBOARD FOR TELECOM, SECURITY AND PAGING CONTRACTOR'S USE. PAINT BACKBOARD WITH FIRE RETARDANT PAINT. MATCH TO COLOUR AS DIRECTED ON SITE BY PROJECT MANAGER. FIRE RATED STAMP MUST BE ON ALL PIECES PROVIDED AND VISIBLE WHEN INSTALLED.

14 PROVIDE THREE (3) 53mmC CONDUITS TO CORRIDOR CABLE MANAGEMENT INDICATED FOR SECURITY, PAGING AND COMMUNICATION'S CONTRACTOR USE.

15 INDICATES HOUSEKEEPING CONCRETE PAD TO BE PROVIDED BY GENERAL CONTRACTOR.

16 MOUNT DEVICE INDICATED AT TOP OF STAIR SHAFT.

17 PROVIDE DETECTOR C/W RELAY BASE FOR RELEASE OF ELECTROMAGNETIC DOOR HOLDER AS SHOWN. LOCATE DETECTOR WITHIN 1.5m AND CENTRE ON DOOR(S) BEING HELD OPEN. WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS CLOSE AND CAUSE ASSOCIATED DOOR HOLDS TO RELEASE. THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY FROM THE FIRE ALARM PANEL ON GENERAL ALARM SHALL CASE DOOR HOLDS TO RELEASE.

18 MAGNETIC HOLD OPEN DEVICE PROVIDED AS PART OF THIS SCOPE OF WORK MUST RELEASE UPON SIGNAL FROM FIRE ALARM SYSTEM. REFER TO DETAIL B/E03, FIRE ALARM RISER DIAGRAM AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS. COORDINATE EXACT LOCATION TO INSTALL MAGNETIC HOLD OPEN DEVICE WITH ARCHITECT AND DOOR SWING.

19 PROVIDE 120V HARDWIRED CONNECTION C/W JUNCTION BOX AND STEP DOWN TRANSFORMER (120V:24V) ABOVE ACCESSIBLE CEILING SPACE TO SERVE THE MAGNETIC DOOR HOLD OPEN DEVICES. REFER TO DETAIL B/E103 AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

20 MOUNT INDICATED DEVICE AT APPROXIMATELY 3048mm–3658mm A.F.F. COORDINATE EXACT LOCATION AS PER ARCHITECTURAL DRAWINGS.

21 INDICATES MECHANICAL PIPING TO BE HEAT TRACED BY MECHANICAL CONTRACTOR AND IS SHOWN FOR REFERENCE PURPOSES ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE 208V 1PH CIRCUIT C/W GFI PROTECTED BREAKER FOR MECHANICAL PIPE HEAT TRACING. COORDINATE EXACT LOCATION TO PROVIDE POWER CONNECTIONS AND ALL OTHER REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO CARRYING OUT SCOPE OF WORK.

22 INTERLOCK EXHAUST FAN INDICATED WITH LOCAL LIGHTING CIRCUIT AND WALL OCCUPANCY SENSOR CONTROL. REFER TO EQUIPMENT WIRING SCHEDULE AND TO DETAIL H/E04 FOR FURTHER DETAILS AND REQUIREMENTS.

23 INDICATES PROPOSED LOCATION OF ELECTRICAL SHAFT TO TRANSITION ELECTRICAL FEEDERS AND AUXILIARY SYSTEM CONDUITS UP TO 2ND FLOOR ELECTRICAL RM.

24 PROVIDE THREE (3) 53mmC CONDUITS TO ELECTRICAL RM ON 2ND FLOOR FOR SECURITY, PAGING AND COMMUNICATION'S CONTRACTOR USE.

25 INDICATES 12"W CABLE TRAY MANAGEMENT SYSTEM TO BE PROVIDED AS PART OF THIS SCOPE OF WORK AS SHOWN FOR SECURITY, PAGING AND COMMUNICATION'S CONTRACTOR USE. REFER TO DETAIL F/E03 AND TO SPECIFICATIONS FOR FURTHER DETAILS.

26 PROVIDE DEVICES INDICATED FOR SHORT THROW PROJECTOR SYSTEM. REFER TO DETAIL A/E03 FOR FURTHER DETAILS AND REQUIREMENTS.

27 INDICATES PROPOSED ROUTING TO TRANSITION FEEDERS FROM ELEC RM A104C UP TO 2ND FLOOR ELEC RM 201. ROUTING SHALL BE COORDINATED ON SITE PRIOR TO CARRYING OUT SCOPE OF WORK.

28 INDICATES DUCT TYPE SMOKE DETECTOR MOUNTED IN STRAIGHT SECTION OF SUPPLY DUCT OF MECHANICAL UNIT AS SHOWN. COORDINATE LOCATION WITH DUCT STRUCTURE AND ACCESSORIES (SILENCERS) FOR SUITABLE RUN. REFER TO MECHANICAL DRAWINGS FOR DUCT LOCATION AND FURTHER DETAILS. CONFIRM REQUIREMENTS WITH FIRE ALARM MANUFACTURER.

29 PROVIDE 120V 15A POWER FOR WINDOW MOTORIZED BLINDS. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT TO TERMINATE POWER WITH ARCHITECT AND OWNER PRIOR TO ROUGH–IN.

30 RECEPTACLES TO BE MOUNTED HORIZONTALLY IN THE KICKPLATE OF THE MILLWORK.

31 INDICATES DOOR RELEASE BUTTON C/W 21mmC BACK TO NEAREST CABLE MANAGEMENT TRAY. STUB CONDUIT INTO RECEPTION DESK MILLWORK, COORDINATE WITH MILLWORK SUPPLIER.

32 INDICATES SINGLE GANG EMPTY BACKBOX C/W 19mmC TO NEAREST CABLE MANAGEMENT TRAY FOR SAFE WELCOME MASTER/SUB–MASTER MONITOR STATION. PROVIDE BACK BOX WITH BLANK COVER PLATE (TO BE REPLACED BY SAFE WELCOME SYSTEM SUPPLIER AT THE TIME OF SYSTEM INSTALLATION). SCHOOL BOARD TO CONFIRM LOCATION PRIOR TO ROUGH–IN.

33 INDICATES POWER SUPPLY CIRCUIT CONNECTION UNIT FOR MASTER AND VIDEO STATIONS MOUNTED IN ACCESSIBLE CEILING SPACE (CONFIRM EXACT LOCATION ON SITE WITH OWNER). CIRCUIT AS NOTED. PROVIDE LOCK–ON DEVICE FOR BREAKER.

34 INDICATES DEVICE ROUGH–IN FOR SAFE WELCOME SYSTEM ENTRY CAMERA C/W 19mmC TO NEAREST CABLE MANAGEMENT SYSTEM. MOUNT AT 1372mm AFF ABOVE SECURITY CARD READER. PROVIDE BLANK, WEATHERPROOF COVER PLATE FOR BOX (TO BE REPLACED BY SYSTEM SUPPLIER AT TIME OF SYSTEM INSTALLATION). SCHOOL BOARD TO CONFIRM LOCATION PRIOR TO ROUGH–IN.

NOTES: CIRCUIT LABELS

PROVIDE P–TOUCH LABELS INCLUDING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

ALL CSA CONFIGURATION 5–15R AND 5–20R, EXCLUDING THOSE DEDICATED FOR STATIONARY APPLIANCE OR LOCATED ABOVE 2.0m AFF, SHALL BE TAMPER RESISTANT TYPE PER OESC 26–706

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION
Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
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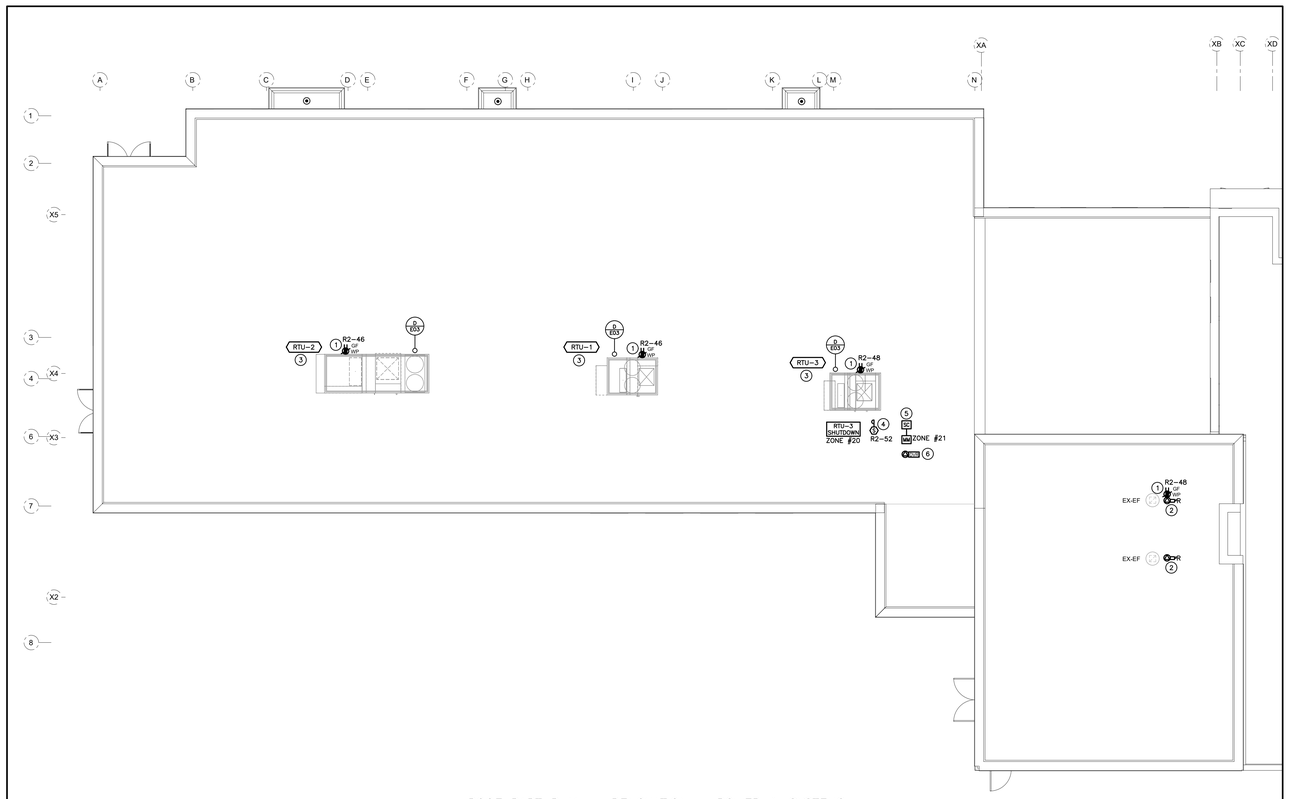
Project Number: 24243

GROUND & SECOND FLOOR PART PLAN - POWER & SYSTEMS

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

SCALE	As indicated	PROJECT	24114
DATE	November 2024		
DRAWN	AAA	DRAWING	E07
CHECKED	JB		
PRINT DATE			
REVIT FILE		T:\2024\24113\02\Revit.RVT	



ROOF PART PLAN – RENOVATION – POWER & SYSTEMS

SCALE: 1:100

GENERAL RENOVATION NOTES

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

SPECIFIC RENOVATION NOTES

1 PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE SHALL BE MOUNTED AT 36" (900mm) ABOVE FINISHED ROOF LEVEL.

2 INDICATES APPROXIMATE LOCATION FOR RELOCATED EXHAUST FAN TO BE INSTALLED BY MECHANICAL CONTRACTOR. CONFIRM EXACT LOCATION WITH MECHANICAL CONTRACTOR. REWORK AND EXTEND EXISTING CONDUIT AND WIRING MADE AVAILABLE DURING DEMOLITION FOR CONNECTION TO RELOCATED EXHAUST FAN.

3 INDICATES EQUIPMENT TO BE FED FROM PANEL 'DPM2'. REFER TO DISTRIBUTION RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS.

4 INDICATES DUCT TYPE SMOKE DETECTOR MOUNTED IN STRAIGHT SECTION OF SUPPLY DUCT OF MECHANICAL UNIT AS SHOWN. COORDINATE LOCATION WITH DUCT STRUCTURE AND ACCESSORIES (SILENCERS) FOR SUITABLE RUN. REFER TO MECHANICAL DRAWINGS FOR DUCT LOCATION AND FURTHER DETAILS. CONFIRM REQUIREMENTS WITH FIRE ALARM MANUFACTURER.

5 INDICATES FIRE ALARM SUPERVISION ZONE FOR DUCT DETECTOR INTEGRAL HEATER.

6 INDICATES 120V CIRCUIT TO BE PROVIDED FOR DUCT SMOKE DETECTOR INTEGRAL HEATER INSTALLED OUTSIDE OF HEATED SPACE (TO SUIT DUCT ARRANGEMENT). PROVIDE CONVENTIONAL LOOP MODULE AND DUCT DETECTOR C/W HEATER AND WEATHERPROOF HOUSING SUITABLE TO EXTERIOR USE. INCLUDE 24V DC STEP DOWN TRANSFORMERS IN HOUSING TO SUIT MANUFACTURER'S REQUIREMENTS. PROVIDE CONVENTIONAL DEVICE MODULE FOR SUPPORT OF CONVENTIONAL DEVICE(S) EXTERNAL ON ROOF AS SHOWN. CONFIRM REQUIREMENTS WITH FIRE ALARM MANUFACTURER PRIOR TO INSTALLATION.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
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LICENSED PROFESSIONAL ENGINEER
A.J. JACKSON
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MOUNT HOPE ES
RENOVATION &
ADDITION

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LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB

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HAMILTON, ON L5A 0B9

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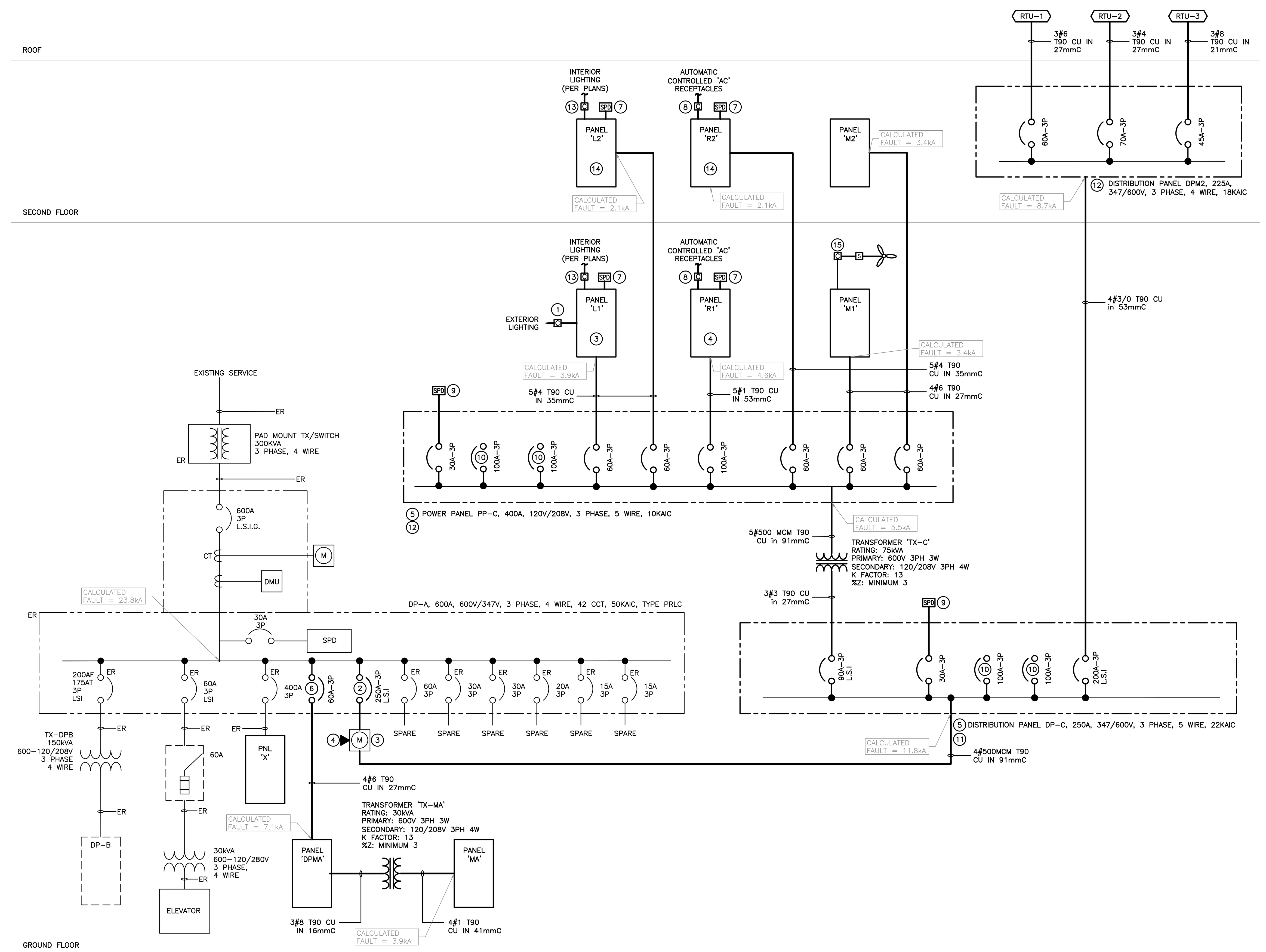
Project Number: 24114

ROOF PART PLAN -
POWER & SYSTEMS

HOSSACK
ARCHITECTURE

355 - 1939 IRONOAK WAY
OAKVILLE - O.N. - L6H 3V8
www.hossackarchitecture.com

SCALE As indicated	PROJECT 24114
DATE November 2024	
DRAWN AAA	DRAWING E08
CHECKED JB	
PRINT DATE	
REVIT FILE	T:\2024\241130\Revit.RVT



SINGLE LINE DIAGRAM — RENOVATION
SCALE: N.T.S.

GENERAL DISTRIBUTION RISER NOTES

- RISER IS DIAGRAMMATIC ONLY. REFER TO FLOOR PLANS FOR LOCATION OF ALL DISTRIBUTION EQUIPMENT AND FURTHER REQUIREMENTS.
- PROVIDE GROUND WIRE IN ALL BRANCH CIRCUITS AND FEEDERS TO SUIT THE ONTARIO ELECTRICAL SAFETY CODE.
- ALL LIGHTING AND EMERGENCY LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
- ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2).
- REFER TO PANEL SCHEDULES FOR NUMBER OF CIRCUITS AND FURTHER DETAILS.
- REFER TO SPECIFICATION FOR INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
- ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2)
- INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
- ALL LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
- ALL BRANCH CIRCUITS FROM TVSS PROTECTED PANELS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
- PER OESC 2024 RULE 8-102, THE FOLLOWING MAXIMUM CIRCUIT LENGTHS SHALL BE USED BY THE ELECTRICAL CONTRACTOR FOR TYPICAL CONDUCTOR SIZES ON EACH BRANCH CIRCUIT:
- #12 AWG (15A circuit) - 23.5m max
- #10 AWG (15A circuit) - 37m max
- #8 AWG (15A circuit) - 59m max
- #12 AWG (20A circuit) - 17.5m max
- #10 AWG (15A circuit) - 27.5m max
- #8 AWG (15A circuit) - 44m max

SPECIFIC DISTRIBUTION RISER NOTES

1. PROVIDE 120V 15A MULTIPOLE LIGHTING DUTY CONTACTORS FOR CONTROL OF ALL EXTERIOR LIGHTING AND SIGNAGE. CONTACTORS SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.
2. PROVIDE NEW EATON JD3250 250A-3P, BREAKER C/W PANEL CONNECTOR KIT KPRL4JDS, IN EXISTING EATON SWITCHBOARD. COORDINATE AND PAY FOR THE SERVICES OF EATON FIELD SERVICES GROUP TO PROVIDE ALL REQUIRED ENGINEERED DESIGN AND COMPONENTS INCLUDING NEW MOUNTING HARDWARE, BRACKETS, SUPPORT CHANNELS, LUG PADS, AND ON SITE MODIFICATIONS AND BUSSING IF REQUIRED.
3. INDICATES NEW 7-JAW 208V 3 METER SOCKET AND METER (REVENUE GRADE FOR MEASUREMENT PURPOSES ONLY) FOR DAYCARE CENTER FEED. METER TO BE C/W PULSE OUTPUTS ENABLED FOR BAS MONITORING. OUTPUTS SHALL BE ENABLED AND CAPABLE OF COMMUNICATING WITH BAS AT TIME OF INSTALL. COORDINATE WITH BAS CONTRACTOR, REFER TO SPECIFICATIONS FOR DETAILS. METER SHALL BE EQUAL TO ITRON SENTINEL SERIES.
4. INDICATES ANALOG LINE TO BE INSTALLED INTO METERING CABINET AS PER UTILITY STANDARDS. REFER TO PA SYSTEM RISER.
5. INDICATES DISTRIBUTION BOARD WITH 150% - 200% NEUTRAL BUS AND 200% RATED NEUTRAL FEEDER AS NOTED. ENSURE DISTRIBUTION BOARD CLASS IS SUFFICIENT TO SUPPORT OVERSIZED NEUTRAL BUS RATING WITHIN SPECIFIED ENCLOSURE OTHERWISE UPGRADE TO NEXT CLASS TO SUIT MANUFACTURER.
6. PROVIDE NEW BREAKER SIZE AS SHOWN C/W PANEL CONNECTOR KIT IN EXISTING EATON SWITCHBOARD. COORDINATE AND PAY FOR THE SERVICES OF EATON FIELD SERVICES GROUP TO PROVIDE ALL REQUIRED ENGINEERED DESIGN AND COMPONENTS INCLUDING NEW MOUNTING HARDWARE, BRACKETS, SUPPORT CHANNELS, LUG PADS, AND ON SITE MODIFICATIONS AND BUSSING IF REQUIRED.
7. MOUNT SPD TO SIDE OF PANELBOARD WITH CLOSE CONDUIT NIPPLE. LOCATE AT APPROPRIATE HEIGHT RELATIVE TO BRANCH DEVICE TO MINIMIZE LEAD LENGTHS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
8. PROVIDE 120V 15A CONTACTORS FOR CONTROL OF ALL AUTOMATICALLY CONTROLLED RECEPTACLE CIRCUITS ('AC') IN CLASSROOMS AS NOTED ON POWER PLANS. REFER TO FLOOR PLANS FOR LOCATIONS AND CIRCUITING REQUIREMENTS. CONTACTORS SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.
9. DISTRIBUTION PANEL SURGE PROTECTION DEVICE (SPD) SHALL BE RATED PER SPECIFICATIONS AND SHALL BE EXTERNAL TO PANEL. INCLUDE FOR 30A-3P BRANCH DEVICE IN BASE BID AND ALLOWABLE SPACE IN PANEL. OBSERVE MAXIMUM LEAD LENGTHS TO SUIT MANUFACTURERS RECOMMENDATIONS.
10. INDICATES PREPARED SPACE FOR FUTURE BREAKER. INCLUDE ALL REQUIRED MOUNTING HARDWARE.
11. INDICATES DISTRIBUTION CLASS PANEL SHOWN SCHEMATICALLY WITHOUT PANEL SCHEDULE TO BE PROVIDED WITH MINIMUM SPARE BRANCH DEVICES AND MOUNTING SPACE AS INDICATED HOWEVER THIS SHALL NOT ALLEVIATE THE MANUFACTURER FROM PROVIDING A MINIMUM OF AN ENTIRE FULL SECTION WITHOUT REDUCTIONS.
12. INDICATES LIGHTING CLASS POWER PANEL SHOWN SCHEMATICALLY WITHOUT PANEL SCHEDULE TO BE PROVIDED WITH MINIMUM SPARE BRANCH DEVICES AND MOUNTING SPACE AS INDICATED HOWEVER THIS SHALL NOT ALLEVIATE THE MANUFACTURER FROM PROVIDING A MINIMUM OF 24 CIRCUIT CAPACITY.
13. PROVIDE 120V 15A CONTACTORS FOR CONTROL OF LIGHT FIXTURES IN ROOMS AS NOTED ON LIGHTING PLANS. REFER TO FLOOR PLANS FOR LOCATIONS AND CIRCUITING REQUIREMENTS. CONTACTORS SHALL BE COMPLETE WITH 24V INTEGRAL CONTROL TRANSFORMER, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT AS REQUIRED. REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND NUMBER OF CONTACTORS REQUIRED. PROVIDE A SET OF OUTPUT CONTACTS FOR CONNECTION TO BAS SYSTEM. COORDINATE DETAILS AND CONNECTION REQUIREMENTS WITH BAS CONTRACTOR.
14. INDICATES PANEL BOARD PROTECTED VIA EXTERNAL SURGE PROTECTION PER SPECIFICATIONS C/W 200% NEUTRAL BUS AND FEEDER AS NOTED. REFER TO COMMUNICATIONS RISER REGARDING SURGE PROTECTION FOR INCOMING COMMUNICATIONS SERVICE.
15. INDICATES 120V 20A MULTI-POLE CONTACTOR FOR CONTROL OF DESTRATIFICATION FANS C/W INTERNAL TRANSFORMER, 24V COIL, HAND/OFF/AUTO SELECTOR SWITCH, AND RED PILOT LIGHT FOR CONTROL BY BAS INPUT

PANEL 'DPMA'

VOLTAGE: 347/600 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

TRANSFORMER TX-MA	20A	1	2	15A	PUMP C-6
		3	4		
	3P	5	6	3P	
BOILER PUMP BP-3	15A	7	8	15A	PUMP C-7
		9	10		
	3P	11	12	3P	
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPACE		19	20		SPACE
SPACE		21	22		SPACE
SPACE		23	24		SPACE
SPACE		25	26		SPACE
SPACE		27	28		SPACE
SPACE		29	30		SPACE
SPACE		31	32		SPACE
SPACE		33	34		SPACE
SPACE		35	36		SPACE
SPACE		37	38		SPACE
SPACE		39	40		SPACE
SPACE		41	42		SPACE

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 18000 A. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

PANEL 'MA'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

WR 241 LAV L-1	15A	1	2		SPACE
REC. RM X131	15A	3	4	20A	REC. RM X131
BOILER B-3	15A	5	6	20A	WF-1 RM X131
EF-13 RM X133	15A	7	8	20A	REC. RM X133
SPACE		9	10	15A	MOTORIZED DAMPER RM X133
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPARE	15A	19	20		SPACE
SPARE	15A	21	22	20A	SPARE
SPARE	15A	23	24	20A	SPARE

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

PANEL 'L1'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

LIGHTS STAIR-A	15A	1	2	15A	LIGHTS RM 109,109A,109B,109C
LIGHTS RM 110,110A,111B,111C	15A	3	4	15A	LIGHTS RM 111,111A,112,112A
LIGHTS RM 113,113A,113B	15A	5	6	15A	LIGHTS RM 100,114
LIGHTS RM 102,103,104,104A	15A	7	8	15A	LIGHTS RM 105,106,107,108
EXIT LIGHTS	15A	9	10	15A	EXTERIOR WALL PACKS
SPACE		11	12	15A	EXTERIOR POLE LIGHTS
ELEC RM LIGHTS	15A	13	14	15A	EXTERIOR CANOPY LIGHTS
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPARE	15A	19	20	30A	SURGE PROTECTION DEVICE
SPARE	15A	21	22		
SPARE	15A	23	24	3P	

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

PANEL 'L2'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

LIGHTS RM 206,207,208	15A	1	2	15A	LIGHTS RM 209,210,211
LIGHTS RM 212	15A	3	4	15A	LIGHTS RM 200,201,202
LIGHTS RM 203,203A,213	15A	5	6	15A	LIGHTS RM 204,205
SPACE		7	8	15A	EXIT LIGHTS
SPACE		9	10		SPACE
SPACE		11	12		SPACE
SPACE		13	14		SPACE
SPACE		15	16		SPACE
SPACE		17	18		SPACE
SPARE	15A	19	20	30A	SURGE PROTECTION DEVICE
SPARE	15A	21	22		
SPARE	15A	23	24	3P	

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

PANEL 'M1'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

RM. 107 HWT-1	15A	1	2	15A	RM. 107 MD-1
RM. 107 BAS	15A	3	4	15A	RM. 107 HWT-1
STAIR A F1 H1	15A	5	6	15A	RM. 111C H2
RM. 113B H2	15A	7	8	15A	RM. 100 H1
STAIR A F1 H1	15A	9	10	15A	RM. 107 H4
RM. 109C/109/110/111 VAV	15A	11	12	15A	RM. 102/103 CORR. VAV
RM. 112/113 VAV	15A	13	14	15A	RM. 111B EF-11
RM. 106/108 VAV	15A	15	16	15A	RM. 140C EF-7
RM. 112A EF-12	15A	17	18	15A	RM. 104 H4
RM. 109/110/111A/LAV	15A	19	20	15A	DOOR OPERATOR
RM. 111/112/113/LAV	15A	21	22	15A	RM. 104 RH-1
RM. 106/108/105 VAV	15A	23	24	15A	RM. 104. VAV
1ST FLR FIRE SMOKE DAMPERS	15A	25	26		SPACE
SPACE		27	28		SPACE
MECH PIPE HEAT TRACING	15A*	29	30		SPACE
	2P	31	32		SPACE
SPACE		33	34		SPACE
SPACE		35	36		SPACE
SPARE	15A	37	38	20A	SPARE
SPARE	15A	39	40	20A	SPARE
SPARE	15A	41	42	20A	SPARE

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

PANEL 'M2'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

DF-1	20A	1	2	15A	STAIR A F2 H1
RM. 206/207/208 VAV	15A	3	4	15A	RM 204A/B, 213 LAV L-2
WF-1 REC. RM 204 B	20A	5	6	15A	RM. 209/210/211 VAV
WF-1 REC. RM 204 A	20A	7	8	15A	DOOR OPERATOR
RM. 200/202 VAV	15A	9	10	15A	RM. 201 EF-5
RM. 201 H1	15A	11	12	15A	RM. 203 / CORR. 212 VAV
RM. 203 RH-1	15A	13	14	15A	RM. 204A EF-8
RM. 205 VAV	15A	15	16	15A	2ND FLR FIRE SMOKE DAMPERS
SPACE		17	18		SPACE
SPACE		19	20		SPACE
SPACE		21	22		SPACE
SPACE		23	24		SPACE
SPACE		25	26		SPACE
SPACE		27	28		SPACE
SPACE		29	30		SPACE
SPACE		31	32		SPACE
SPACE		33	34		SPACE
SPACE		35	36		SPACE
SPARE	15A	37	38	20A	SPARE
SPARE	15A	39	40	20A	SPARE
SPARE	15A	41	42	20A	SPARE

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

PANEL 'R1'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD
SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

REC. STAIR-A	20A	1	2	15A	REC. RM 109,109A
REC. RM 109	20A	3	4	15A	REC. (AC) RM 109
REC. RM 109B	20A	5	6	15A	REC. RM 109C
REC. RM 110,111B	15A	7	8	20A	REC. RM 110
REC. RM 110A	20A	9	10	20A	REC. RM 111A
REC. RM 111	15A	11	12	20A	REC. RM 111
REC. RM 112	15A	13	14	20A	REC. RM 112
REC. RM 112A	20A	15	16	20A	REC. RM 113A
REC. RM 113	15A	17	18	20A	REC. RM 113
REC. RM 114	20A	19	20	20A	REC. RM 114
REC. RM A140C	20A	21	22	20A	REC. RM A140C
SPARE	20A	23	24	20A	MICROWAVE REC. RM 103
DOOR OPERATOR RM. 100	15A	25	26	15A	DOOR OPERATOR RM. 100
REC. RM 102	15A	27	28	15A	REC. RM 103
REC. RM 103	20A	29	30	20A	REC. RM 103
REC. RM 103	15A	31	32	15A	REC. RM 104
REC. RM 104	15A	33	34	15A	REC. RM 104
REC. RM 104	15A	35	36	50A	STOVE REC. RM 104
REC. RM 104	20A	37	38	2P	
MICROWAVE REC. RM 104	20A	39	40	20A	DISHWASHER RM 104
REC. RM 104	20A	41	42	20A	REC. RM 104
REC RM 106	20A	43	44	20A	REC. RM 105
DRYER REC. RM 106	30A	45	46	20A*	HAND DRYER RM 105
	2P	47	48	20A	SPARE
REC. RM 106	15A	49	50	15A	REC. RM 108
B/F WR 105 DOOR OPERATOR	15A	51	52	15A	REC. (AC) RM 110
WR 109B DOOR OPERATOR	15A	53	54	15A	REC. (AC) RM 111
VEST. 111C/113B DOOR OPERATOR	15A	55	56	15A	REC. (AC) RM 112
		57	58	15A	REC. (AC) RM 113
SPACE		59	60		SPACE
SPACE		61	62		SPACE
SPACE		63	64		SPACE
SPACE		65	66		SPACE
SPACE		67	68		SPACE
SPACE		69	70		SPACE
SPACE		71	72		SPACE
SPACE		73	74	30A	SURGE PROTECTION DEVICE
SPACE		75	76		
SPACE		77	78	3P	
SPARE	15A	79	80	20A	SPARE
SPARE	15A	81	82	20A	SPARE
SPARE	15A	83	84	20A	SPARE

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

PANEL 'R2'

VOLTAGE: 120/208 VOLTS
PHASE: 3PH, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD
SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

REC. RM 206	15A	1	2	15A	REC (AC) RM 206
REC. RM 207	15A	3	4	15A	REC. (AC) RM 207
REC. RM 208	15A	5	6	15A	REC. (AC) RM 208
REC. RM 209	15A	7	8	15A	REC. (AC) RM 209
REC. RM 210	15A	9	10	15A	REC. (AC) RM 210
REC. RM 211	15A	11	12	15A	REC. RM 211
REC. RM 200	15A	13	14	15A	REC. RM 200
FLOOR BOX REC. RM 200	20A	15	16	20A	FLOOR BOX REC. RM 200
DEC. FAN RM 200	15A	17	18	15A	RTU DUCT DETECTOR HEATER
REC. RM 201	20A	19	20	20A	REC. RM 201
REC. RM 201	20A	21	22	20A	SPARE
REC. RM 202	15A	23	24	15A	REC. RM 203,203A
REC. RM 203	15A	25	26	20A	MICROWAVE REC. RM 203
REC. RM 203	20A	27	28	20A	DISHWASHER RM 203
REC. RM 203	20A	29	30	50A	STOVE REC. RM 203
REC. RM 203	20A	31	32	2P	
REC. RM 213	20A	33	34	20A*	HAND DRYER RM 213
MOTORIZED BLINDS RM 200	15A	35	36	20A*	HAND DRYER RM 204
MOTORIZED BLINDS RM 200	15A	37	38	20A*	HAND DRYER RM 204
HAND DRYER RM 204	20A*	39	40	15A	REC. RM 205
HAND DRYER RM 204	20A*	41	42	20A	REC. RM 212
DOOR HOLD STAIR-A	15A	43	44	20A	REC. RM 212
DF-1 RM. 212	15A	45	46	20A	ROOF RECEPTACLES
SPACE		47	48	20A	ROOF RECEPTACLES
SPACE		49	50	15A	CORRIDOR 212 DOOR HOLD
SPACE		51	52	15A	DUCT SMOKE DETECTOR HEATER
SPACE		53	54		SPACE
SPACE		55	56		SPACE
SPACE		57	58		SPACE
SPACE		59	60		SPACE
SPACE		61	62		SPACE
SPACE		63	64		SPACE
SPACE		65	66		SPACE
SPACE		67	68		SPACE
SPACE		69	70		SPACE
SPACE		71	72		SPACE
SPACE		73	74	30A	SURGE PROTECTION DEVICE
SPACE		75	76		
SPACE		77	78	3P	
SPARE	15A	79	80	20A	SPARE
SPARE	15A	81	82	20A	SPARE
SPARE	15A	83	84	20A	SPARE

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

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
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Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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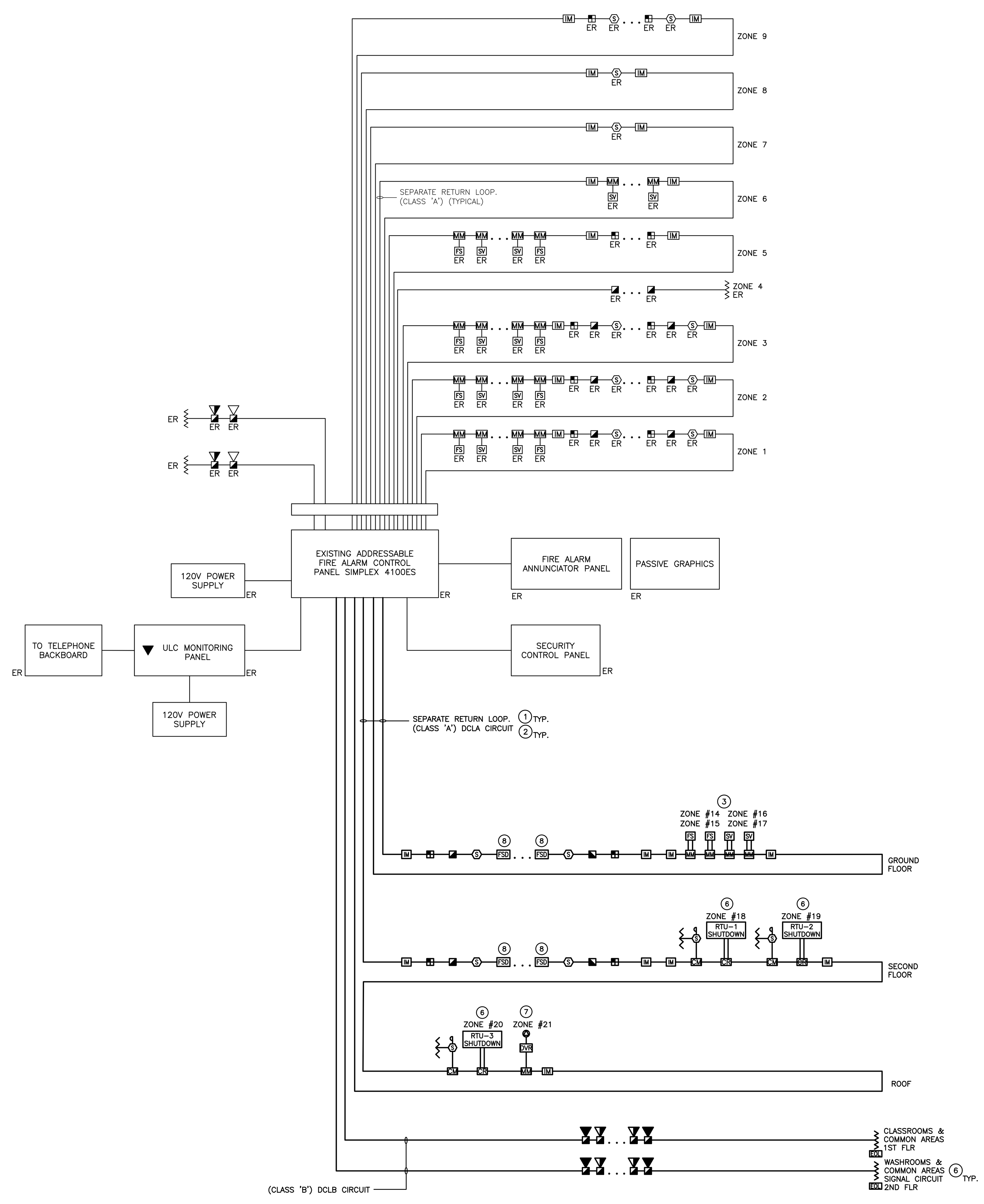
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

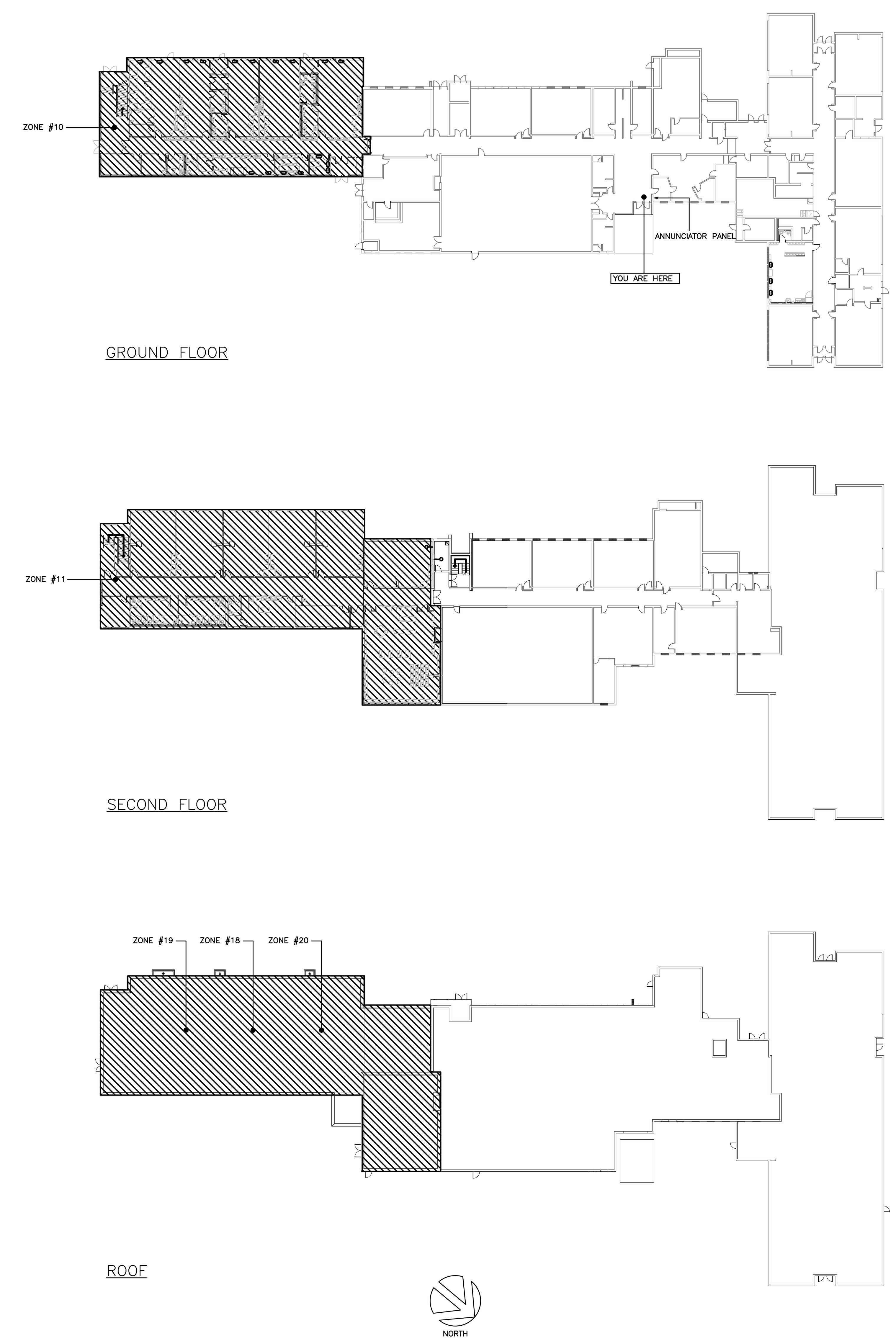
SINGLE LINE DIAGRAM & PANEL SCHEDULES

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

SCALE	As indicated	PROJECT	24114
DATE	November 2024		
DRAWN	AAA	DRAWING	E09
CHECKED	JB		
PRINT DATE			
REVIT FILE		T:\2024\24113\02\Revit.RVT	



B–PARTIAL FIRE ALARM RENOVATION RISER DIAGRAM
SCALE: NTS



A–UPDATED FIRE ALARM PASSIVE GRAPHIC
SCALE: NTS

NOTES:

1) THE CONTRACTOR IS TO ADJUST "YOU ARE HERE" FOR EACH ANNUNCIATOR/GRAPHIC LOCATION TO SUIT ORIENTATION BASED ON GRAPHIC LOCATION.

2) EXISTING ZONES (NOT SHOWN) TO BE TAKEN FROM EXISTING YEARLY TEST/EXISTING SYSTEM RECORDS AND ACCORDING TO EXISTING ZONE SCHEDULE. EXISTING ZONES TO BE ANNOTATED ONTO THE GRAPHIC SUBMISSION FOR CONSULTANT REVIEW ALONG WITH NEW ZONES

FIRE ALARM GENERAL NOTES

- RISER IS DIAGRAMMATIC ONLY. PROVIDE QUANTITY OF HARDWARE, MODULES, ACCESSORIES, SIGNALING CIRCUITS, INITIATING CIRCUITS, HARDWARE, DEVICES, CONDUIT, WIRE ETC TO ENSURE A FULLY OPERATIONAL FIRE ALARM SYSTEM.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES.
- REFER TO FIRE PROTECTION DRAWINGS TO CONFIRM EXACT LOCATION AND QUANTITY OF SPRINKLER DEVICES TO BE MONITORED BY THE FIRE ALARM SYSTEM.
- REFER TO MECHANICAL DRAWINGS TO CONFIRM EXACT LOCATION AND QUANTITY OF FIRE SMOKE DAMPERS TO BE MONITORED BY THE FIRE ALARM SYSTEM.
- AS PART OF SHOP DRAWING SUBMITTAL PROCESS, THE PASSIVE GRAPHIC DRAWINGS FOR THE ANNUNCIATOR SHALL BE FORWARDED TO THE LOCAL BUILDING DEPARTMENT FOR REVIEW/APPROVAL PRIOR TO RELEASE INTO PRODUCTION.
- PROVIDE 24VDC CIRCUITS FOR STROBES AND OTHER 24VDC DEVICES. MAXIMUM LOAD ON EACH CIRCUIT SHALL NOT EXCEED 70%. CIRCUIT REQUIREMENTS NOT SHOWN ON RISER DIAGRAM.
- TWO (2) CONDUIT SYSTEM MUST BE UTILIZED – ONE FOR FIRE ALARM SIGNALING DEVICES AND SECOND FOR FIRE ALARM INITIATING DEVICES.
- ALL SIGNAL CIRCUITS SHALL BE ALTERNATED BETWEEN DEVICES WITHIN A COMMON AREA. PROVIDE ADDITIONAL SIGNAL CIRCUITS WHERE REQUIRED. COORDINATE WITH FIRE ALARM MANUFACTURER.
- ALL END OF LINE RESISTORS AND ISOLATION MODULES SHALL BE INSTALLED IN SERVICE ROOMS AT 1800mm A.F.F. PROVIDE LAMICOID LABEL INDICATED CIRCUIT/ZONE LABEL AND NUMBER.

FIRE ALARM RENOVATION NOTES

1 PROVIDE POWER, CONDUIT, BACKBOX AND WIRING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM CONDUIT SIZE 21mmC.

2 RETURN LOOP FROM LAST CONNECTED DEVICE ON EACH CIRCUIT TO CONTROL PANEL MUST BE IN A SEPARATE / DEDICATED CONDUIT. SEPARATION PER CSA/ULC S524 (LATEST ADDITION).

3 COORDINATE CONNECTION OF SPRINKLER FIRE ALARM ZONES WITH FIRE PROTECTION DRAWINGS.

4 PROVIDE LINE ISOLATOR MODULES TO ISOLATE DCLA SEGMENTS ON A PER FIRE ALARM ZONE BASIS, ON A PER FLOOR BASES AND AS REQUIRED BY THE MANUFACTURER AND ONTARIO BUILDING CODE. PROVIDE ADDITIONAL LINE ISOLATORS AS REQUIRED OVER AND ABOVE THOSE SHOWN ON RISER DIAGRAM TO SATISFY ISOLATION REQUIREMENTS.

5 PROVIDE STROBE CIRCUIT SYNCHRONIZATION MODULES.

6 COORDINATE WITH MECHANICAL TRADE TO PROVIDE SHUT–DOWN SIGNAL TO ROOF TOP AIR HANDLING UNIT UPON ACTIVATION OF DUCT TYPE SMOKE DETECTOR. AIR HANDLING UNITS UNITS NOT TO SHUT DOWN DURING GENERAL ALARM.

7 PROVIDE 120V CIRCUIT FOR DUCT SMOKE DETECTOR INTEGRAL HEATER INSTALLED OUTSIDE OF HEATED SPACE (TO SUIT DUCT ARRANGEMENT). COORDINATE CONNECTION REQUIREMENTS WITH MANUFACTURER. PROVIDE CONVENTIONAL LOOP MODULE AND DUCT DETECTOR C/W HEATER AND WEATHERPROOF HOUSING SUITABLE TO EXTERIOR USE. INCLUDE 24V DC STEP DOWN TRANSFORMERS IN HOUSING TO SUIT MANUFACTURER'S REQUIREMENTS. PROVIDE CONVENTIONAL DEVICE MODULE FOR SUPPORT OF CONVENTIONAL DEVICE(S) EXTERNAL ON ROOF AS SHOWN.

8 INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR. REFER TO DETAIL E/E03.

FIRE ALARM SEQUENCE OF OPERATIONS

FIRE ALARM SEQUENCE OF OPERATION – SINGLE STAGE:

THE FIRE ALARM SYSTEM SHALL BE A SINGLE STAGE SYSTEM CONSISTING OF CONTROL PANEL(S), REMOTE ANNUNCIATOR(S), NOTIFICATION DEVICES, ALARM INITIATING DEVICES, SUPERVISORY INITIATING DEVICES, AND ANCILLARY CONNECTIONS AS INDICATED ON ELECTRICAL DESIGN DRAWINGS AND SPECIFICATIONS.

ALARM ACTIVATION

1 UPON ACTIVATION OF ANY ALARM INITIATING DEVICE (MANUAL STATION, HEAT DETECTOR, SMOKE DETECTOR, DUCT DETECTOR SPRINKLER WATER FLOW DEVICE, SUPPRESSION SYSTEM, ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM ALARM ACTIONS:

A ACTIVATE THE RESPECTIVE RED ALARM LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
B CAUSE ZONE OF ALARM INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
C CAUSE AUXILIARY CONTACTS TO ACTIVATE AIR–HANDLING UNIT SHUT DOWN
D CAUSE AUXILIARY CONTACTS TO ACTIVATE AND ELECTRO–MAGNETICALLY HELD OPEN DOORS TO CLOSE AUTOMATICALLY.
E ACTIVATE THE COMMON ALARM POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE ALARM CONDITION.
F CAUSE THE ALARM AUDIBLE NOTIFICATION DEVICES TO SOUND A TEMPORAL 3 PATTERN THROUGHOUT THE BUILDING UNTIL SILENCED.
G CAUSE THE VISUAL NOTIFICATION DEVICES TO ACTIVATE THROUGHOUT THE BUILDING UNTIL AUDIBLE ALARM IS SILENCED OR SYSTEM RESET.
H LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

SUPERVISORY ACTIVATION

1 OPERATION OF ANY SUPERVISORY INITIATING DEVICE (SPRINKLER SHUT–OFF VALVE OR LOW–PRESSURE SWITCH, DUCT DETECTOR HEATER LOSS OF AC POWER, ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM SUPERVISORY ACTIONS:

A CAUSE A SUPERVISORY ALARM TO LATCH INTO THE SYSTEM.
B ACTIVATE THE RESPECTIVE YELLOW SUPERVISORY LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S)
C CAUSE ZONE OF SUPERVISORY INITIATING DEVICE TO BE INDICATED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
D ACTIVATE THE COMMON SUPERVISORY POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE SUPERVISORY CONDITION.
E SOUND THE AUDIBLE CONTROL PANEL BUZZER.
F LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

TROUBLE ACTIVATION

1 OPERATION OF ANY SYSTEM OR DEVICE TROUBLE SIGNAL SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM TROUBLE ACTIONS:

A CAUSE AN AUDIBLE AND VISUAL TROUBLE SIGNAL AT THE CONTROL PANEL(S) AND REMOTE TROUBLE INDICATOR(S).
B ACTIVATE THE COMMON TROUBLE POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE TROUBLE CONDITION.
C LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.
D DESCRIBE THE NATURE OF THE TROUBLE ON THE CONTROL PANEL(S) LCD DISPLAY AND REMOTE ANNUNCIATOR PANEL(S). THE FOLLOWING SYSTEM AND DEVICE TROUBLE CONDITIONS SHALL BE MONITORED:
I OPEN CIRCUIT FAULT IN THE FIELD WIRING OF AN ADDRESSABLE LOOP, ADDRESSABLE DETECTION, SIGNAL MODULE, OR A SHORT CIRCUIT ON AN ADDRESSABLE LOOP, CONVENTIONAL DETECTION OR SIGNAL CIRCUIT.
II DISCONNECTION OR FAILURE OF THE STANDBY BATTERIES.
III A GROUND FAULT CONDITION ON A LOOP OR SIGNAL CIRCUIT FIELD WIRE.
IV FAILURE OF THE MAIN 120VAC POWER SUPPLIED TO THE PANEL.
V REMOVAL OR MALFUNCTION OF ANY ADDRESSABLE FIELD DEVICE OR ANY SUPERVISED PANEL MODULE OR COMPONENT.
VI FIRE/SMOKE DAMPER MONITOR MODULE SIGNAL FOR LOSS OF AC POWER TO DAMPER ASSEMBLY

SYSTEM SILENCE

1 THE AUDIBLE NOTIFICATION DEVICES SHALL CONTINUE TO SOUND DURING ALARM CONDITIONS UNTIL MANUALLY OR AUTOMATICALLY SILENCED. AUTOMATIC SILENCING SHALL NOT BE POSSIBLE DURING THE FIRST 5 MIN OF ALARM OPERATION.

2 THE CONTROL PANELS AND REMOTE BUZZERS SHALL BE SILENCED BY OPERATION OF THE PANELS ACKNOWLEDGE SWITCH.

SYSTEM RESET

1 THE ALARM, SUPERVISORY AND TROUBLE CONDITIONS SHALL BE CLEARED ONLY UPON ACTIVATION OF THE FIRE ALARM CONTROL PANEL RESET SWITCH, AFTER THE DEVICE THAT INITIATED THE ALARM HAS BEEN CLEARED OR RESTORED.

FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	Supervisory	New	Existing
1	GROUND FLOOR NORTH	•			•
2	GROUND FLOOR SOUTH	•			•
3	SECOND FLOOR	•			•
4	PORTABLES	•			•
5	CRAWL SPACE – ACCESS	•			•
6	THRU BOILER ROOM		•		•
7	SOUTH WEST STAIRWELL	•			•
8	NORTH WEST STAIRWELL	•			•
9	ELEVATOR	•			•
10	NEW ADDITION – GROUND FLOOR	•		•	
11	NEW ADDITION – SECOND FLOOR	•		•	
12	GROUND FLOOR FIRE SMOKE DAMPERS	•		•	
13	SECOND FLOOR FIRE SMOKE DAMPERS	•		•	
14	GROUND FLOOR NEW ADDITION FLOW SWITCH	•		•	
15	GROUND FLOOR NEW ADDITION SUPERVISED VALVE		•	•	
16	SECOND FLOOR NEW ADDITION FLOW SWITCH	•		•	
17	SECOND FLOOR NEW ADDITION SUPERVISED VALVE		•	•	
18	SPARE				
19	SPARE				
20	RTU–3 DUCT SMOKE DETECTOR	•		•	
21	RTU–3 DUCT SMOKE DETECTOR INTEGRAL HEATER		•	•	

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J.J. JACKSON
100011324
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NO	ISSUED	DATE
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4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1WD

LEGAL DESCRIPTION

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kjesty@hwdsb.on.ca

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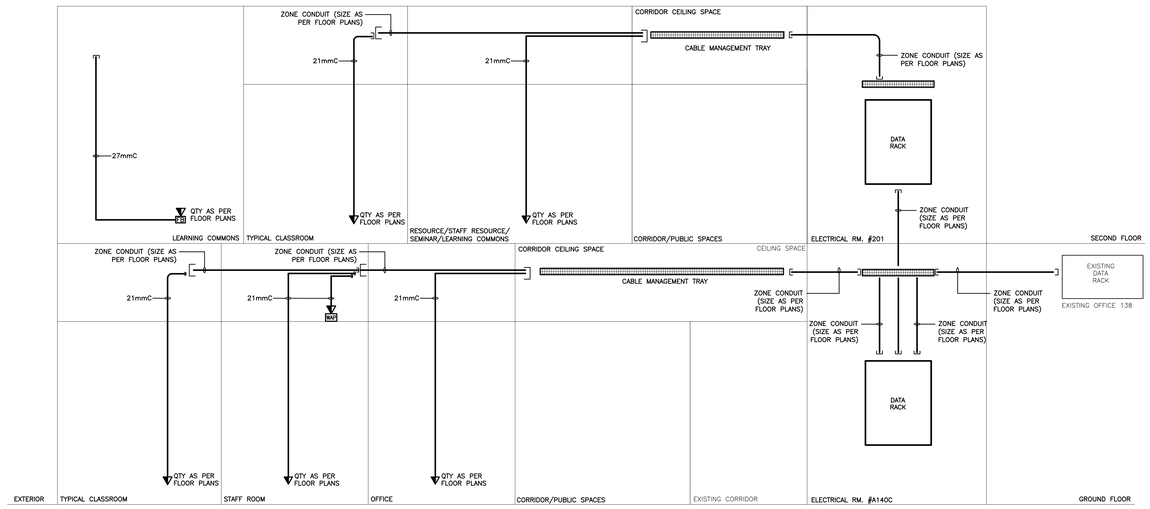
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24243

FIRE ALARM RISER DIAGRAM & PASSIVE GRAPHIC

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

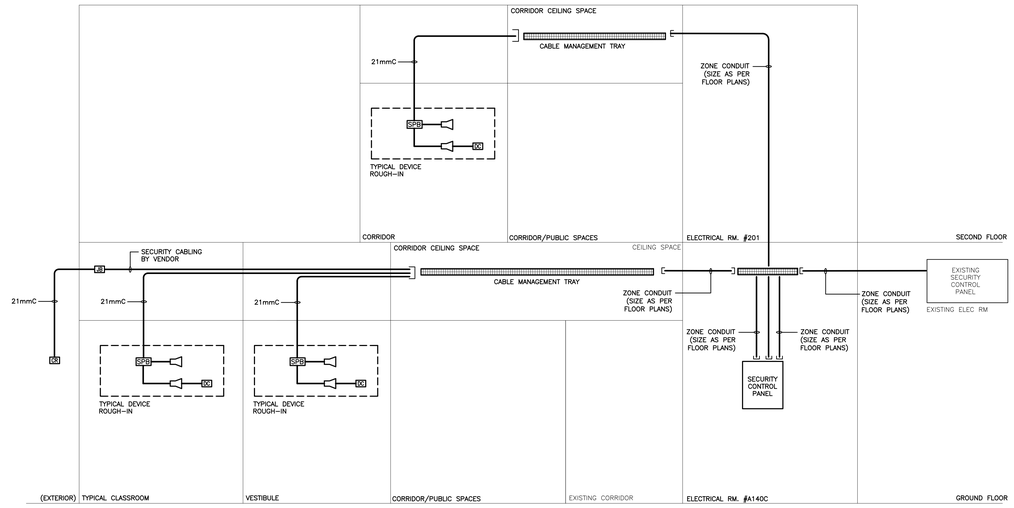
SCALE: As indicated	PROJECT: 24114
DATE: November 2024	
DRAWN: AAA	DRAWING: E10
CHECKED: JB	
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT



A–COMMUNICATIONS RISER DIAGRAM
SCALE: N.T.S

COMMUNICATIONS RISER NOTES

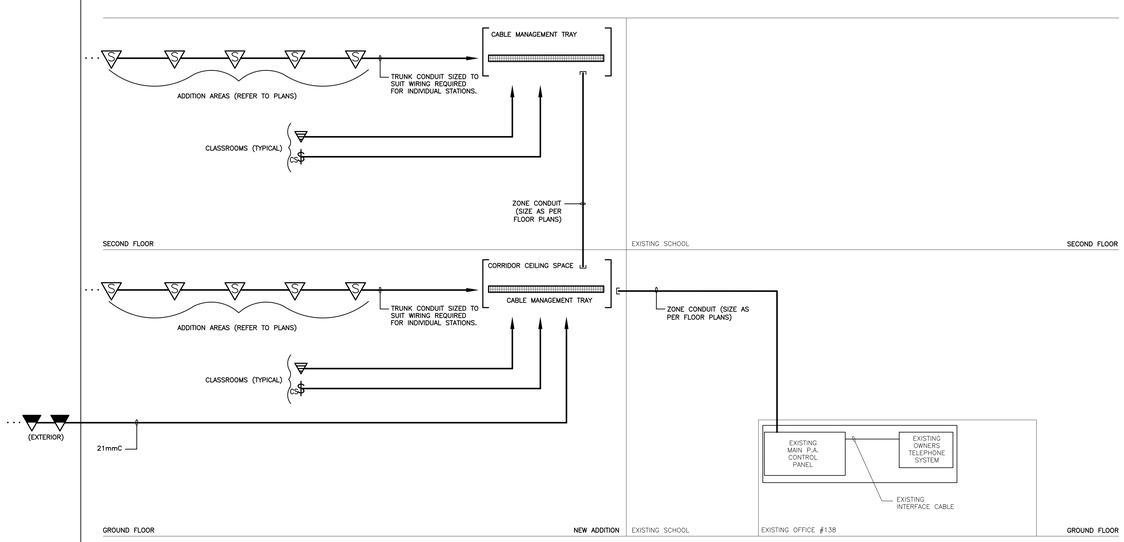
- RISER IS DIAGRAMMATIC ONLY. ALL CONDUITS, CABLE MANAGEMENT, COMMUNICATION DEVICES (ROUGH–IN ONLY), POWER & GROUNDING TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES.
- ALL STRUCTURED CABLING TO BE INSTALLED IN CABLE MANAGEMENT HANGERS LOCATED IN CORRIDOR ACCESSIBLE CEILING BY OWNERS COMMUNICATIONS CONTRACTOR UNDER CASH ALLOWANCE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT (MINIMUM SIZE 21mmC) FROM DATA DEVICES (ROUGH–IN ONLY) TO CABLE MANAGEMENT HANGERS LOCATED IN THE CORRIDOR CEILING SPACE UNLESS NOTED OTHERWISE.
- REFER TO FLOOR PLANS FOR QUANTITY AND SIZE OF CONDUITS.



B–PARTIAL SECURITY SYSTEM RISER DIAGRAM
SCALE: NTS

SECURITY RISER NOTES

- RISER IS DIAGRAMMATIC ONLY. ALL CONDUITS, CABLE MANAGEMENT, SECURITY DEVICES (ROUGH–IN ONLY), POWER GROUNDING TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF SECURITY DEVICES.
- ALL SECURITY CABLING TO BE INSTALLED IN CABLE MANAGEMENT HANGERS LOCATED IN CORRIDOR ACCESSIBLE CEILING BY OWNERS SECURITY CONTRACTOR UNDER CASH ALLOWANCE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT (MINIMUM SIZE 21mmC) FROM SECURITY (ROUGH–IN ONLY) TO CABLE MANAGEMENT HANGERS LOCATED IN THE CORRIDOR CEILING SPACE UNLESS NOTED OTHERWISE.
- REFER TO FLOOR PLANS FOR QUANTITY AND SIZE OF CONDUITS.



C–PARTIAL PUBLIC ADDRESS SYSTEM RISER DIAGRAM
SCALE: NTS

PUBLIC ADDRESS RISER NOTES

- RISER IS DIAGRAMMATIC ONLY. ALL CONDUITS, CABLE MANAGEMENT, PUBLIC ADDRESS DEVICES (ROUGH–IN ONLY), POWER & GROUNDING TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES.
- ALL STRUCTURED CABLING TO BE INSTALLED IN CABLE MANAGEMENT HANGERS LOCATED IN CORRIDOR ACCESSIBLE CEILING BY OWNERS ADDRESS CONTRACTOR UNDER CASH ALLOWANCE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT (MINIMUM SIZE 21mmC) FROM PUBLIC ADDRESS SYSTEM DEVICES (ROUGH–IN ONLY) TO CABLE MANAGEMENT HANGERS LOCATED IN THE CORRIDOR CEILING SPACE UNLESS NOTED OTHERWISE.
- REFER TO FLOOR PLANS FOR QUANTITY AND SIZE OF CONDUITS.

NOTE:
INFORMATION PROVIDED FOR CO–ORDINATION ONLY. PAGING SYSTEM EXTENSION, SUPPLY, AND INSTALLATION TO BE COMPLETED BY THE OWNER'S PAGING SUB–CONTRACTOR HAMILTON VIDEO AND SOUND AS PART OF A CASH ALLOWANCE.

CONTACT DOUG LAPPIN FOR SCOPE OF WORK DETAILS:
1350 OSPREY DR., ANCASTER, ONTARIO L9G 4V5
905–522–1200 X (115) FAX: 905–528–5269 DLAPPIN@HVS.CA

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The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
18 Nov 25
PROVINCE OF ONTARIO

NO	ISSUED	DATE
7	ISSUED FOR TENDER	11.18.25
6	ISSUED FOR CLIENT REVIEW	08.22.25
5	ISSUED FOR PERMIT	07.25.25
4	ISSUED FOR 100% REVIEW	06.06.25
3	ISSUED FOR CLIENT REVIEW	05.02.25
2	ISSUED FOR COORDINATION	03.31.25
1	ISSUED FOR 25% PROGRESS SET	02.24.25

MOUNT HOPE ES RENOVATION & ADDITION

9149 AIRPORT ROAD, MOUNT HOPE, ON L0R 1W0

LEGAL DESCRIPTION

Part of Lot 5, Concession 5, Township of Glanford, City of Hamilton

HWDSB
20 EDUCATION COURT, HAMILTON, ON L9A 0B9
(905) 527-5092 x 2500
kjesty@hwdsb.on.ca

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32 Northland Road, Waterloo, ON, N2V 2Y8
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Project Number: 24114

AUXILIARY SYSTEMS RISER DIAGRAMS

HOSSACK ARCHITECTURE
155 - 1939 IRONOAK WAY
OAKVILLE, O.N. L6H 3V8
www.hossackarchitecture.com

SCALE	As indicated
DATE	November 2024
DRAWN	AAA
CHECKED	JB
PRINT DATE	
REVIT FILE	T:\2024\24113\02\Revit.RVT
PROJECT	24114
DRAWING	E11