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PROJECT MANUAL FOR THE CONSTRUCTION OF THE NOTRE DAME CATHOLIC SCHOOL, RENOVATION AND ADDITION

08 AVAILABLE PROJECT INFORMATION

REFER TO PROJECT MANUAL SECTION 00 31 00

ABBREVIATION LEGEND

A.F.F.	ABOVE FINISH FLOOR
ACL	ACTIVE DOOR LEAF
ACP	ALUMINUM COMPOSITE PANEL
ACT	ACOUSTIC CEILING TILE
AL	ALUMINUM
ALUM	ALUMINUM
AV	AUDIO VISUAL CONSULTANT
AWP	ACOUSTIC WALL PANEL
BF	BARRIER FREE
BH	BULKHEAD
BOF	BOTTLE FILLER
BTW	BETWEEN
C/S	SEALED CONCRETE
C/W	COMPLETE WITH
CB	CEMENT BOARD
CDR	CARD READER
CET	CERAMIC TILE
CFRD	CONTROL FLOW ROOF DRAIN
CHS	CIRCULAR HOLLOW STEEL
CJ	CONTROL JOINT
CL	CENTER LINE
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
CMU-ACU	CONCRETE MASONRY UNIT - ACOUSTIC
CMU-DEC	CONCRETE MASONRY UNIT - DECORATIVE
COMB.	COMBINED
CONC.	CONCRETE
CONST.	CONSTRUCTION
CORR	CORRIDOR
CP	CONTROL PANEL - SEE MILLWORK DETAIL CP/A802
CR	CLASSROOM
CS	COUNTER SHUTTER
CUH	CABINET UNIT HEATER
CW	CURTAIN WALL
CWP	FIXED SOUND-ABSORPTIVE PANELS
D	DEMOLITION
DAFS	DIRECT APPLIED FINISH SYSTEM
DC	DEMOLITION CEILING
DEFB	DEFIBRILLATOR CABINET
DIA	DIAMETER
DN	DOWN
DR	DEMOLITION ROOF
DWG.	DRAWING
EB	EXPOSED BUILDING FACE
ELEC.	ELECTRICAL
ENCL	ENCLOSURE
ESCD	EXTERIOR SUN CONTROL DEVICE
EW	EYE WASH STATION
EX	EXISTING
EXP	EXPOSED STRUCTURE
EXT.	EXTERIOR
FAACG	SEE ELEC. DWGS.
FACP	FIRE ALARM CONTROL PANEL, SEE ELEC. DWGS.
FB	FIRE BLANKET
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN.	FINISHED
FLAM.	FLAMMABLE
FRR	FIRE RESISTANCE RATING
FS	FLOOR SOCKET
FSP	FIBREGLASS SANDWICH PANEL
GALV.	GALVANIZED
GB	GYPSUM BOARD
GB-AR	GYPSUM BOARD ABUSE RESISTANT
GB-BB	GYPSUM BOARD BACKER BOARD
GB-CLG	GYPSUM BOARD CEILING BOARD
GB-FR	GYPSUM BOARD FIRE RATED
GB-MR	GYPSUM BOARD MOISTURE / MOLD RESISTANT
GB-SL	GYPSUM BOARD SHAFT LINER
GB-TB	GYPSUM BOARD TILE BACKER
GL	GLASS
GRC	GLASS FIBER-REINFORCED CEMENTITIOUS PANEL
GS	GALVANIZED STEEL
GSB	GYPSUM SHEATHING BOARD

ABBREVIATION LEGEND

H	HIGH / HEIGHT
HB	HARD BOARD
HCS	HOLLOW CORE SLAB
HM	HOLLOW METAL
HMI	INSULATED HOLLOW METAL
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
INS-BB	BATT INSULATION
INS-FIP	FOAMED-IN-PLACE INSULATION
INS-RB	RIGID BOARD INSULATION
INS-SR	SEMI-RIGID INSULATION
INS.	INSULATION
INT.	INTERIOR
LD	LIMITING DISTANCE
LMS	LINEAR METAL SOFFIT
LOK	LOCKER
LVL	LEVEL
LVT	LUXURY VINYL TILE
M	METER
MAX.	MAXIMUM
MB	MARKER BOARDS
MCP	MELAMINE COMPOSITE PANEL
MECH.	MECHANICAL
MIN.	MINIMUM
MIR.	MIRROR
MLP	METAL LINER PANEL
MPC	METALLIC PAINT COATING
MS	METAL SHELVES
MTWP	METAL TILE WALL PANEL
MWP	METAL WALL PANEL
N.I.C.	NOT IN CONTRACT
N/A	NOT APPLICABLE
O.C.	ON CENTER
OBC	ONTARIO BUILDING CODE
OL	OCCUPANT LOAD
OWSJ	OPEN WEB STEEL JOIST
PC	POWDER COATING
PDL	PUSH DOOR LOCK / DOOR OPERATOR
PDO	PUSH DOOR OPEN / DOOR OPERATOR
PFT	PORCELAIN FLOOR TILE
PLAM	HIGH PRESSURE DECORATIVE LAMINATE
PO	POWER OPERATOR
PREFIN.	PREFINISHED
PT	PAINTED / STAINED
PT. PLYWOOD	PRESSURE TREATED PLYWOOD
PTC	POLYURETHANE TRAFFIC COATING
R	RISER
R.O.	ROUGH OPENING
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER
RD	ROOF DRAIN
REQ.	REQUIRED
RM	REMOVABLE MULLION
RPS	RECESSED PHONE CABINET
RSR	RUBBER STAIR RISER
RSS	RESILIENT STAIR STRINGER
RST	RESILIENT STAIR TREAD
RSTR	RESILIENT STAIR TREAD & RISER
RTF	RUBBER TILE FLOORING
RTU	ROOFTOP UNIT
RWL	RAIN WATER LEADER
SC	SEALED CONCRETE
SF	SQUARE FEET
SGP	SPANDREL GLASS
SIG	SEALED INSULATING GLASS UNIT
SIM.	SIMILAR
SS	STAINLESS STEEL
SSF	SAFETY SHEET FLOORING
STN	STATION
STOR.	STORAGE
STRUC.	STRUCTURAL
T	TREAD
TB	TACK BOARD
THK	THICK
TWSI	TACTILE WALKING SURFACE INDICATOR
TWSI-RT	TACTILE WALKING SURFACE INDICATOR - RUBBER TILE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE

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No.	Revisions	Date
5	Issued for Tender	2026 11 12
4	Issued for Pre-Tender	2026 10 26
3	Issued for Pre-Tender	2026 05 22
2	Issued for Permit	2026 04 24
1	Issued for 80% Progress Set	2026 02 10
No	Revision	Date

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
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Drawing Title:

COVER SHEET

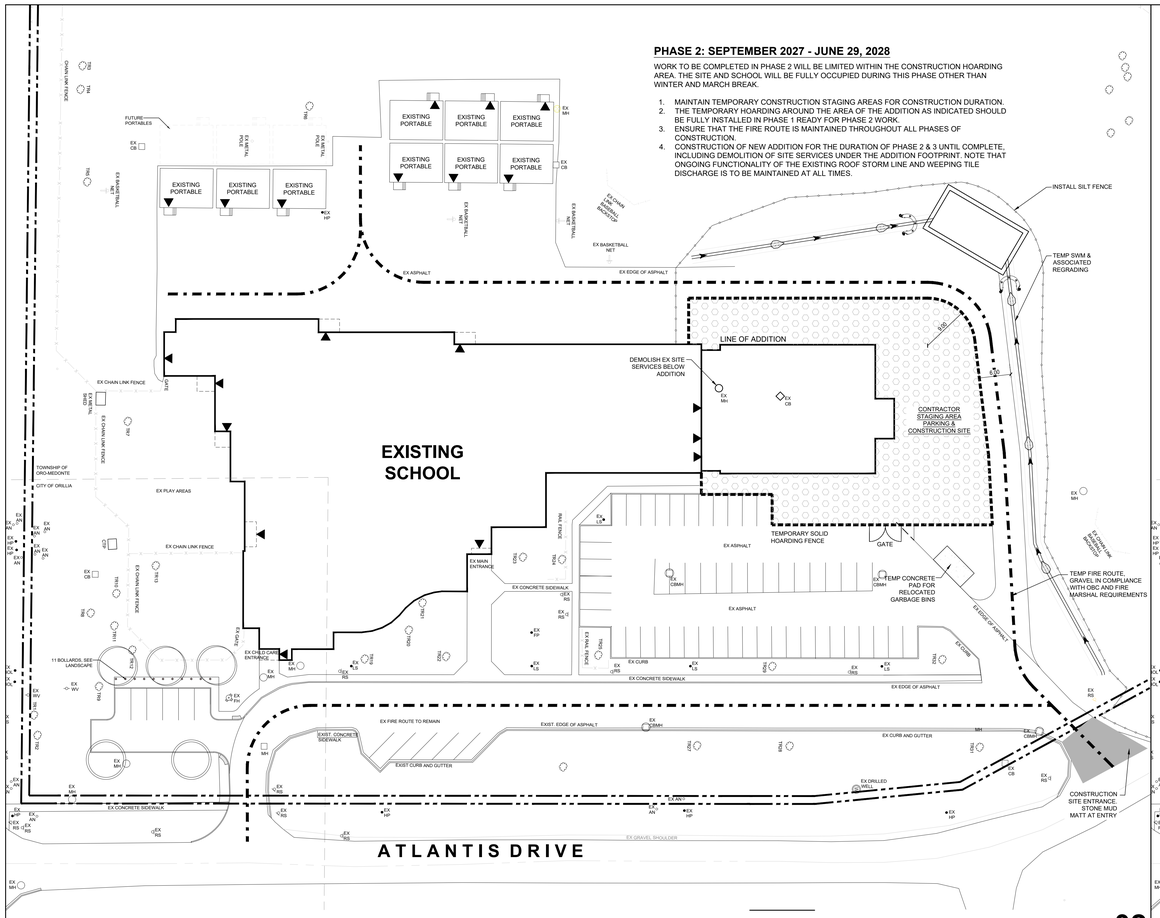
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PHASE 2: SEPTEMBER 2027 - JUNE 29, 2028

WORK TO BE COMPLETED IN PHASE 2 WILL BE LIMITED WITHIN THE CONSTRUCTION HOARDING AREA. THE SITE AND SCHOOL WILL BE FULLY OCCUPIED DURING THIS PHASE OTHER THAN WINTER AND MARCH BREAK.

1. MAINTAIN TEMPORARY CONSTRUCTION STAGING AREAS FOR CONSTRUCTION DURATION.
2. THE TEMPORARY HOARDING AROUND THE AREA OF THE ADDITION AS INDICATED SHOULD BE FULLY INSTALLED IN PHASE 1 READY FOR PHASE 2 WORK.
3. ENSURE THAT THE FIRE ROUTE IS MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. CONSTRUCTION OF NEW ADDITION FOR THE DURATION OF PHASE 2 & 3 UNTIL COMPLETE, INCLUDING DEMOLITION OF SITE SERVICES UNDER THE ADDITION FOOTPRINT. NOTE THAT ONGOING FUNCTIONALITY OF THE EXISTING ROOF STORM LINE AND WEEPING TILE DISCHARGE IS TO BE MAINTAINED AT ALL TIMES.

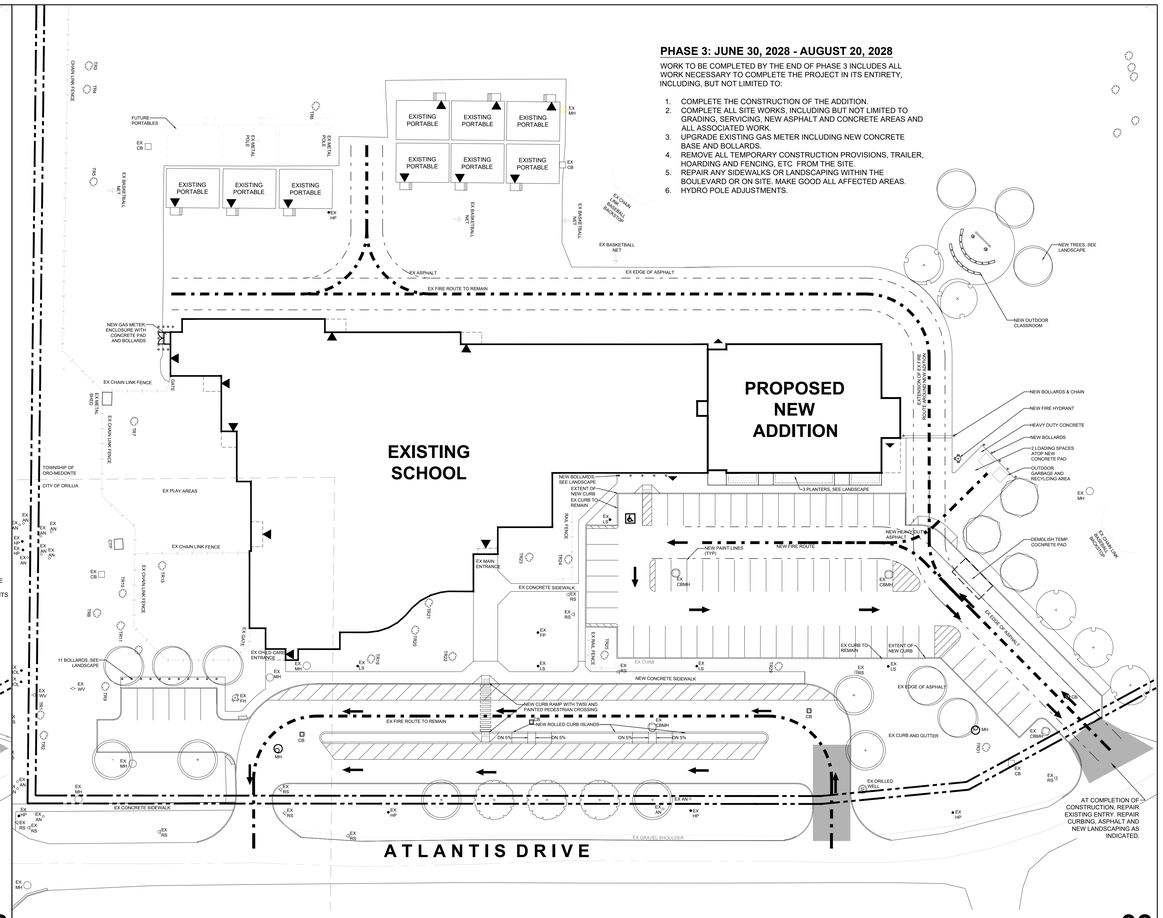


02

PHASE 3: JUNE 30, 2028 - AUGUST 20, 2028

WORK TO BE COMPLETED BY THE END OF PHASE 3 INCLUDES ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ITS ENTIRETY, INCLUDING, BUT NOT LIMITED TO:

1. COMPLETE THE CONSTRUCTION OF THE ADDITION.
2. COMPLETE ALL SITE WORKS, INCLUDING BUT NOT LIMITED TO GRADING, SERVICING, NEW ASPHALT AND CONCRETE AREAS AND ALL ASSOCIATED WORK.
3. UPGRADE EXISTING GAS METER INCLUDING NEW CONCRETE BASE AND BOLLARDS.
4. REMOVE ALL TEMPORARY CONSTRUCTION PROVISIONS, TRAILER, HOARDING AND FENCING, ETC FROM THE SITE.
5. REPAIR ANY SIDEWALKS OR LANDSCAPING WITHIN THE BOULEVARD OR ON SITE. MAKE GOOD ALL AFFECTED AREAS.
6. HYDRO POLE ADJUSTMENTS.

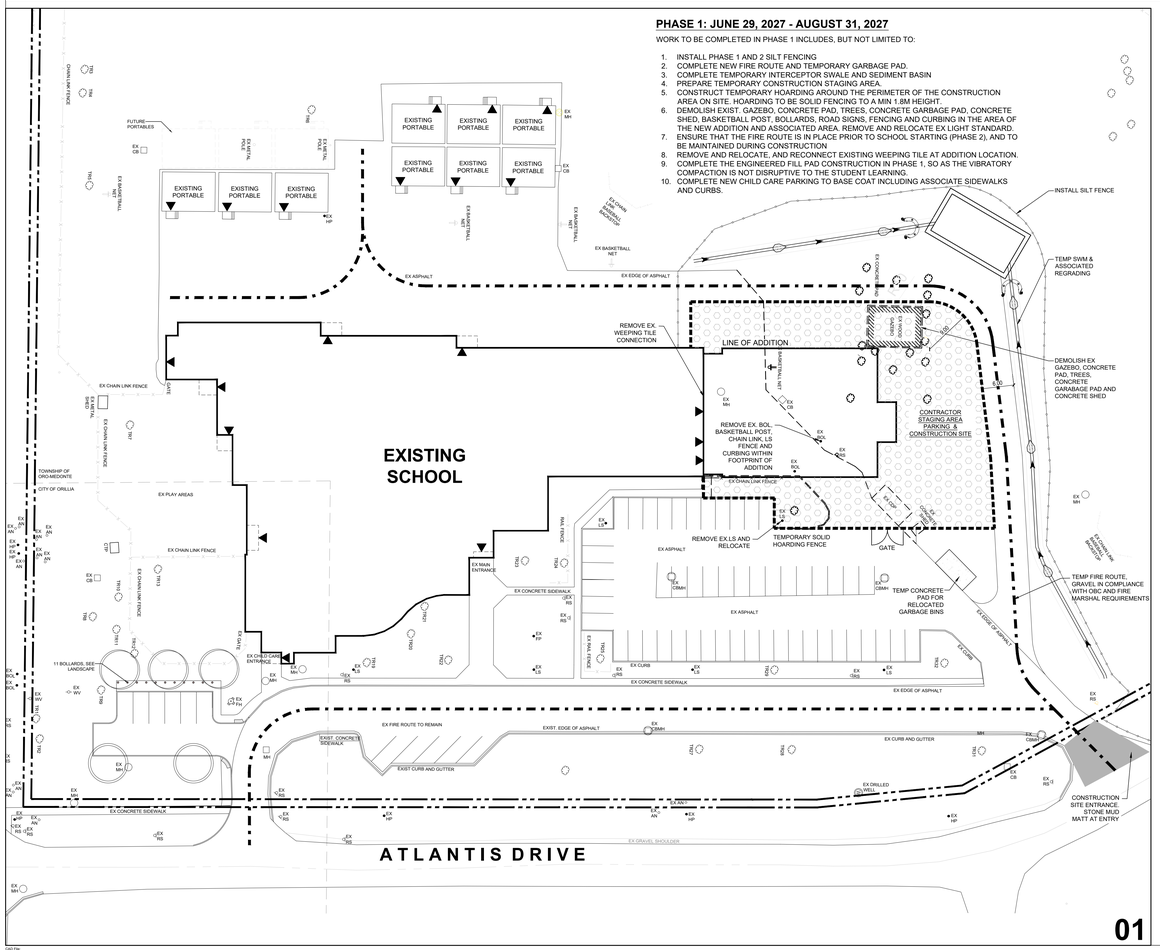


03

PHASE 1: JUNE 29, 2027 - AUGUST 31, 2027

WORK TO BE COMPLETED IN PHASE 1 INCLUDES, BUT NOT LIMITED TO:

1. INSTALL PHASE 1 AND 2 SILT FENCING.
2. COMPLETE NEW FIRE ROUTE AND TEMPORARY GARBAGE PAD.
3. COMPLETE TEMPORARY INTERCEPTOR SWALE AND SEDIMENT BASIN
4. PREPARE TEMPORARY CONSTRUCTION STAGING AREA.
5. CONSTRUCT TEMPORARY HOARDING AROUND THE PERIMETER OF THE CONSTRUCTION AREA ON SITE. HOARDING TO BE SOLID FENCING TO A MIN 1.8M HEIGHT.
6. DEMOLISH EXIST. GAZEBO, CONCRETE PAD, TREES, CONCRETE GARBAGE PAD, CONCRETE SHED, BASKETBALL POST, BOLLARDS, ROAD SIGNS, FENCING AND CURBING IN THE AREA OF THE NEW ADDITION AND ASSOCIATED AREA. REMOVE AND RELOCATE EX LIGHT STANDARD.
7. ENSURE THAT THE FIRE ROUTE IS IN PLACE PRIOR TO SCHOOL STARTING (PHASE 2), AND TO BE MAINTAINED DURING CONSTRUCTION
8. REMOVE AND RELOCATE, AND RECONNECT EXISTING WEEPING TILE AT ADDITION LOCATION.
9. COMPLETE THE ENGINEERED FILL PAD CONSTRUCTION IN PHASE 1, SO AS THE VIBRATORY COMPACTION IS NOT DISRUPTIVE TO THE STUDENT LEARNING.
10. COMPLETE NEW CHILD CARE PARKING TO BASE COAT INCLUDING ASSOCIATE SIDEWALKS AND CURBS.



01

GENERAL NOTES:

1. THIS DRAWING IS INTENDED TO ASSIST THE CONTRACTOR WITH THE PHASING CONSTRUCTION STAGING NECESSARY FOR THIS CONTRACT. IT IS NOT TO BE TAKEN AS AN ALL INCLUSIVE INVENTORY OF THE WORK REQUIRED. THE CONTRACTOR IS TO ESTABLISH THE FULL EXTENT OF THIS WORK FROM ON-SITE EXAMINATION.
2. ALL ACCESS PERMITS REQUIRED BY THE MUNICIPALITY TO BE OBTAINED AND PAID FOR BY THE CONTRACTOR
3. SIDEWALK AND STREET CONSTRUCTION ACCESS TO BE KEPT CLEAR AND SAFE AT ALL TIMES. ANY DAMAGE TO THE CURBS, SIDEWALKS OR ROAD TO BE REPAIRED AT THE CONTRACTORS EXPENSE.
4. FIRE ROUTE AND ACCESS TO ALL FIRE HYDRANTS TO BE MAINTAINED THOUGH CONSTRUCTION.
5. ALL WORK TO BE COORDINATED WITH THE CONSULTANT DRAWINGS AND SPECIFICATIONS. REFER TO ALL CONSULTANT DOCUMENTS FOR FULL SCOPE OF WORK.
6. DAY CARE WILL BE OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. SAFE AND PROTECTED VEHICULAR ACCESS AND PEDESTRIAN CONNECTIONS TO DAYCARE TO BE PROVIDED THROUGH ALL PHASES.

Simcoe Muskoka Catholic District School Board
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Key Plan N.T.S.

Project North | True North

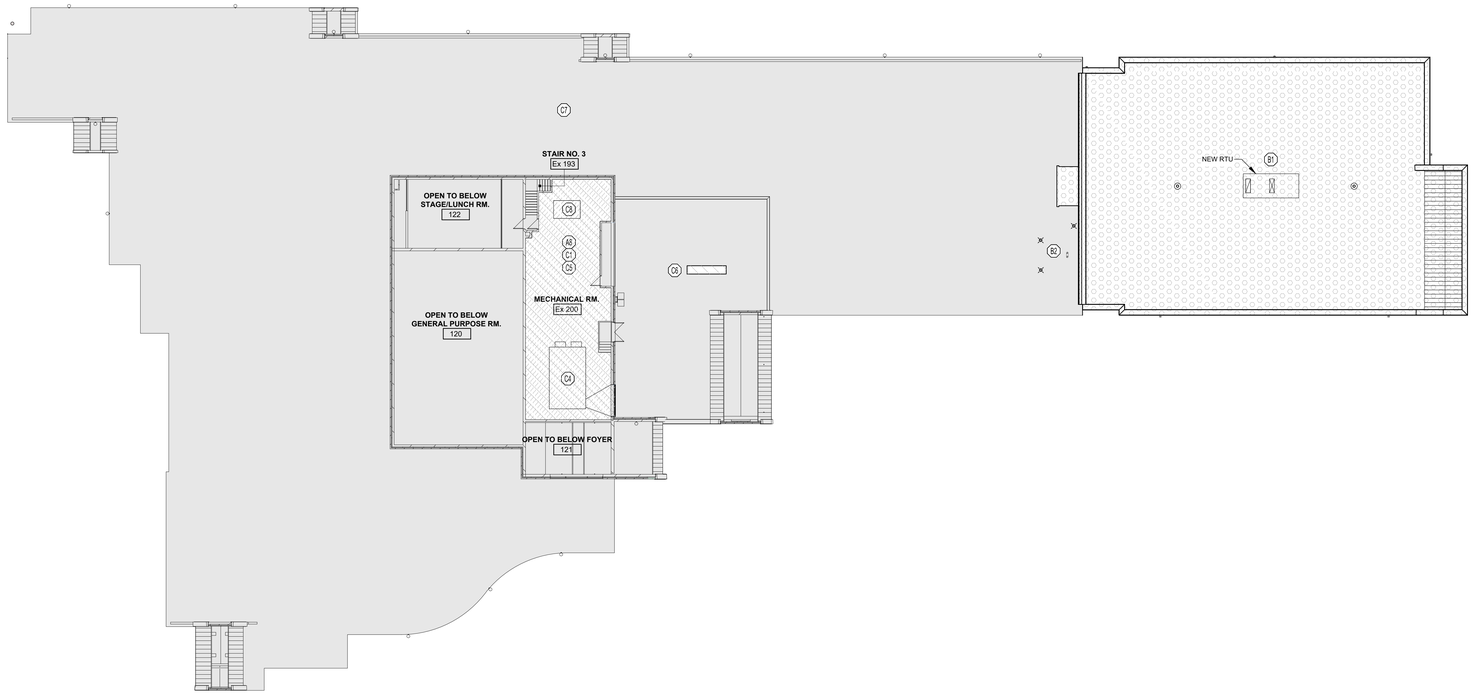
No.	Revisions	Date
4	Issued for Tender	2026 11 12
3	Issued for Pre-Tender	2026 10 26
2	Issued for Pre-Tender	2026 05 22
1	Issued for Permit	2026 04 24
No.	Issue	Date

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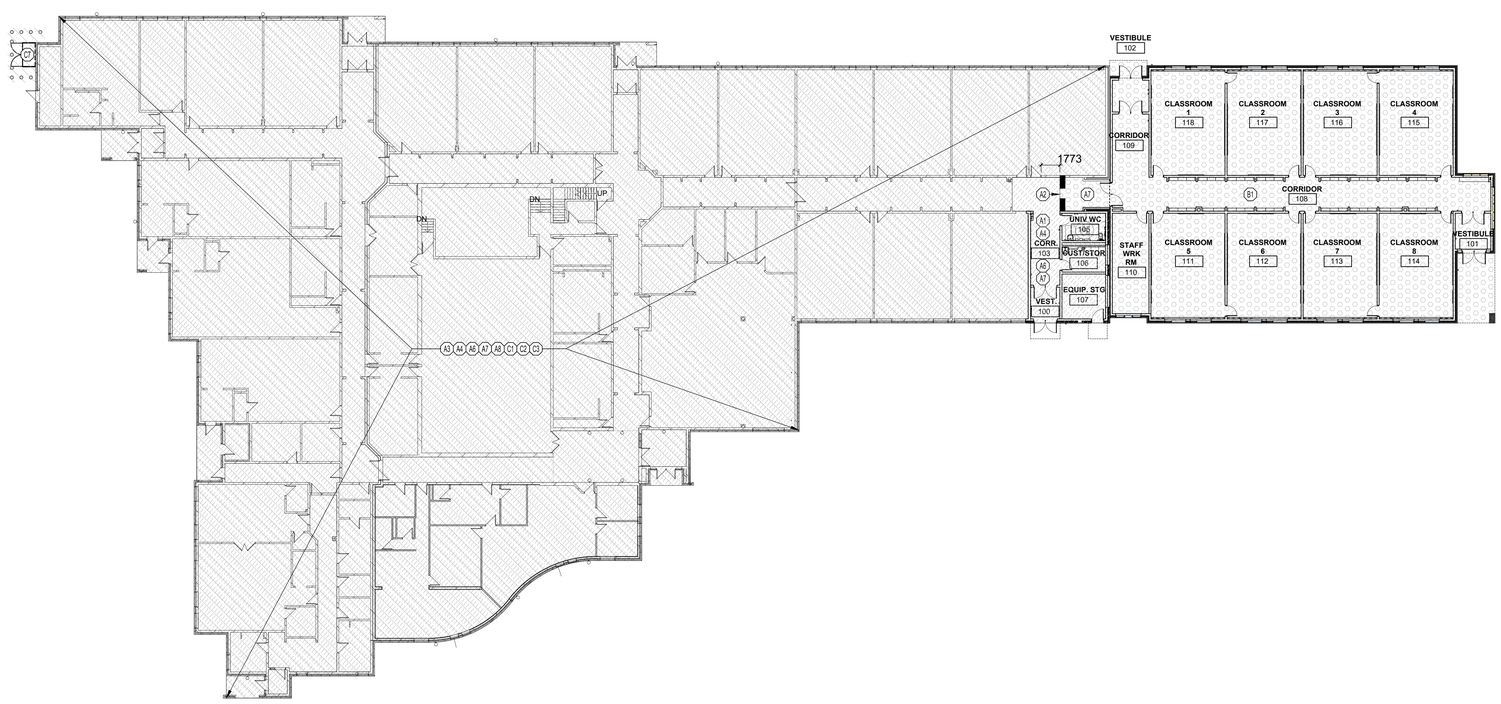
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PHASING SITE PLANS

Scale: 1:500	Date: 2026 04 24
Drawn by: DR	Checked by: RM
Job No. 2502	Drawing No. A001



2 SECOND FLOOR & ROOF PHASING PLAN

1:200



1 GROUND FLOOR PHASING PLAN

1:200

PHASING LEGEND:

PHASE 1 WORK

PHASE 2 WORK:

PHASE 3 WORK

PHASING PLANS

1. THIS DRAWING IS INTENDED TO ASSIST THE CONTRACTOR WITH THE PHASING FOR THE PROJECT INCLUDING HOARDING AND INTERNAL PHASING FOR THE WORK. IT IS NOT TO BE TAKEN AS AN ALL INCLUSIVE INVENTORY OF THE WORK REQUIRED. THE CONTRACTOR IS TO ESTABLISH THE FULL EXTENT OF THIS WORK FROM ON-SITE EXAMINATION.
2. REFER TO DEMOLITION AND REMOVALS PLANS A202, A203, A204, A205, A206 & A207 FOR FULL REMOVAL REQUIREMENTS.
3. REFER TO PLANS **A208, A209, A210, A301, A302, A303 & A304** FOR FULL ADDITION AND WORK REQUIRED WITHIN THE EXISTING BUILDING
4. ALL WORK TO BE COORDINATED WITH THE CONSULTANT DRAWINGS AND SPECIFICATIONS, REFER TO ALL CONSULTANT DOCUMENTS FOR FULL SCOPE OF WORK.
5. PHASING BREAKDOWN BELOW INDICATES COMPLETION TIMING REQUIRED FOR EACH SCOPE. SYSTEMS-RELATED RENOVATION WORK WITHIN THE EXISTING BUILDING MAY BE SEQUENCED OVER PHASES 1 AND 3 TO ACHIEVE FINAL ON SCHEDULE COMPLETION AND WILL BE DISCUSSED WITH THE CONTRACTOR AND ESTABLISHED AT PROJECT OUTSET. THIS INCLUDES THE REPLACEMENT OF EXISTING: CORRIDOR FLOORING, WINDOWS & WINDOW COVERINGS, SECURITY SYSTEM, INTERIOR & EXTERIOR LIGHTING, EXIT SIGNS, EMERGENCY LIGHTING AND FIRE ALARM, INCLUDING ASSOCIATED CEILING WORK.
6. NOTE: DAY CARE WILL BE OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. ANY WORK IN THE VICINITY OF DAY CARE TO BE COMPLETED AFTER HOURS.

PHASE 1: JUNE 29 - AUGUST 31, 2027

BUILDING AND SITE NOT OCCUPIED
WORK TO BE COMPLETED IN PHASE 1 INCLUDES, BUT NOT LIMITED TO:

- A1 DEMOLITION AND RENOVATION OF NORTH-EAST CORNER OF EXISTING BUILDING (EX. ROOMS 178, 179 & 180 AND ADJACENT CORRIDOR TO CREATE NEW CORRIDOR 103, VESTIBULE 100, ROOMS 105, 106 & 107, PROVIDING NEW EXIT FROM THE EXISTING BUILDING C/W ALL ASSOCIATED EXIT DEVICES AND SIGNAGE.
- A2 INSTALL CORRIDOR HOARDING (1 HR FRR) AND MAINTAIN FOR DURATION OF PHASE 2. SEE DETAIL BELOW.
- A3 STRUCTURAL REINFORCING OF EXISTING ROOF TO SUPPORT NEW MECHANICAL ROOF TOP UNITS INCLUDING ALL ASSOCIATED WORK.
- A4 ANY OPENED CEILINGS TO BE CLOSED IN AND CONTRACT CLEANING TO BE COMPLETED WITHIN THE SCHOOL AREAS TO BE OCCUPIED IN PHASE 2 BY AUGUST 31, 2027.
- A5 NOT IN USE
- A6 PROVIDE FIRE STOP FOR ALL PENETRATIONS THROUGH EXISTING WALLS.
- A7 EXTEND ALL MECHANICAL AND ELECTRICAL SERVICES TO THE AREA OF THE NEW ADDITION: ELECTRICAL FEED, WATER & HEATING LINES, INCLUDING ALL ASSOCIATED WORK.
- A8 REPLACEMENT OF EXISTING INTERIOR AND EXTERIOR LIGHTING, EXIT SIGN, EMERGENCY LIGHTING AND FIRE ALAM, INCLUDING ASSOCIATED CEILING WORK.

PHASE 2: SEPTEMBER 2027 - JUNE 29, 2028

BUILDING AND SITE FULLY OCCUPIED
WORK TO BE COMPLETED IN PHASE 2 INCLUDES, BUT NOT LIMITED TO

- B1 CONSTRUCTION OF BUILDING ADDITION.
- B2 NEW MECH. EXHAUST AND VENT PIPES.

PHASE 3: JUNE 30, 2028 - AUGUST 20, 2028

BUILDING AND SITE NOT OCCUPIED
WORK TO BE COMPLETED BY THE END OF PHASE 3 INCLUDES ALL WORK NECESSARY TO COMPLETE THE CONSTRUCTION IN ITS ENTIRETY, INCLUDING, BUT NOT LIMITED TO:

- C1 COMPLETE EXISTING SECURITY SYSTEM UPGRADE.
- C2 REMOVE AND REPLACE ALL EXISTING BUILDING WINDOWS & WINDOW COVERINGS, INCLUDING ALL ASSOCIATED WORK.
- C3 REPLACEMENT OF EXISTING CORRIDOR FLOORING.
- C4 REPLACEMENT OF EXISTING VENTILATION UNIT AND ASSOCIATED STRUCTURAL REINFORCEMENT.
- C5 REPLACEMENT OF EXISTING HEAT PUMPS AND ALL ASSOCIATED WORK
- C6 INSTALLATION OF NEW CONDENSING UNIT AND ALL ASSOCIATED WORK
- C7 REPLACEMENT OF EXISTING GAS METER & PIPING AND ALL ASSOCIATED WORK.
- C8 REPLACEMENT OF EXISTING DISTRIBUTION PUMBS, INCLUDING ALL ASSOCIATED WORK.

1HR FIRE-RATED HOARDING

P1

16mm TYPE-X GYPSUM BOARD
152mm METAL STUDS @400mm O.C.
150 BATT INSULATION (INS-BB-1)
16mm TYPE-X GYPSUM BOARD
(1HR FRR -ULC #W407)

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NOTRE DAME CATHOLIC SCHOOL ADDITION

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Mississauga, Ontario, L4W 3X1
Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

Key Plan N.T.S.

Project North | True North

No.	Revisions	Date
4	Issued for Tender	2026 11 12
3	Issued for Pre-Tender	2026 10 26
2	Issued for Pre-Tender	2026 05 22
1	Issued for Permit	2026 04 24
No.	Issue	Date

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARWAN MENCARE
LICENCE
8008

Drawing Title:

PHASING FLOOR PLANS

Scale: 1:200	Date: 2026 04 24
Drawn by: DR	Checked by: RM
Job No. 2502	Drawing No. A002

CAD File:



1 A101 EXISTING/DEMOLITION SITE PLAN
1 : 300

CAD File:

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION
140 Atlantis Drive, Orillia, ON

Architect

snyder
Snyder Architects Inc.
100 Broadview Ave, Suite 301,
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Consultants

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Vaughan, Ontario, L4K 4A5
Tel: 416-317-8804

Structural Consultants
LEA Consulting Ltd.
625 Cochrane Drive, 5th Floor
Markham, Ontario, L3R 9R9
Tel: 905-470-0015

Civil Consultant
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Key Plan N.T.S.

Project North
True North

No.	Revisions	Date

No.	Issue	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARNAUX MONCARZ
LICENCE
6559

Drawing Title:
EXISTING & DEMOLITION SITE PLAN

Scale: 1:300 | Date: 2025 12 17
Drawn by: DR | Checked by: RM
Job No. 2502 | Drawing No. A101

SITE STATISTICS

1. OWNER
SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

2. MUNICIPAL ADDRESS OF PROJECT
2.1 140 ATLANTIS DRIVE, ORILLIA, ONTARIO, L3V 0A8

3. LEGAL DESCRIPTION / SURVEY INFORMATION
3.1 LEGAL DESCRIPTION
PART OF LOT 5, CONCESSION 2
(GEOGRAPHIC TOWNSHIP OF SOUTH ORILLIA)
TOWNSHIP OF ORO-MEDONTE / CITY OF ORILLIA
COUNTY OF SIMCOE

3.2 SURVEY INFORMATION TAKEN FROM:
PLAN OF SURVEY OF NO. 140 ATLANTIC DRIVE
DATED JUNE 18, 2025
DEARDEN AND STANTON LTD.
ONTARIO LAND SURVEYORS
T: (705)325-9521

4. ZONING
I - INSTITUTIONAL

5. OCCUPANCY CLASSIFICATION
O.B.C. BUILDING CLASSIFICATION
GROUP A, DIVISION 2
NON- COMBUSTIBLE CONSTRUCTION

6. PROJECT DATA
EXISTING USE: ELEMENTARY SCHOOL
PROPOSED: NO CHANGE - ELEMENTARY SCHOOL

	REQUIRED	PROPOSED
SITE AREA		74,886 sq.m.
LOT FRONTAGE	min. 30m	1,815.11 m
BUILDING AREA		4,772.07 sq.m.
LOT COVERAGE (SCHOOL ONLY)		6.37%
VEHICULAR SURFACES		9,227 sq.m
LANDSCAPE AREA		60,882 sq.m. (81.3%)
BUILDING HEIGHT (EXISTING TO REMAIN)		1 storey
BUILDING SETBACKS:		
FRONT YARD (SOUTH)	7.5m	24.57 m
EXTERIOR SIDE YARD (EAST)	4.5m	25.66 m
REAR YARD (NORTH)	7.5m	186.08 m
INTERIOR SIDE YARD (WEST)	4.5m	119.88 m
GROSS FLOOR AREA:		
EXISTING GFA (GROUND FLOOR)		3,853.06 sq.m.
PROPOSED ADDITION (GROUND FLOOR)		4,681.46 sq.m.
SUB-TOTAL GFA		229.74 sq.m.
MECHANICAL PENTHOUSE & MEZZANINE		4,884.20 sq.m.
TOTAL GFA		

PARKING		REQUIRED	PROVIDED
NUMBER OF CLASSROOMS		14	
EXISTING CLASSROOMS	14 (1 PER)	9	
EXISTING PORTABLES	9 (1 PER)	6	
ADDITION CLASSROOMS	8 (1 PER)	3	
FUTURE PORTABLES	3 (1 PER)	3	
EX. CHILD CARE	2 (1.5 PER)	36	
TOTAL			71
BF SPACES (1 FOR MORE THAN 10 SPACES, BUT LESS THAN 100)		1	1
LOADING SPACES (GFA GREATER THAN 2300 sq.m.)		2	2

SITE LEGEND

- PROPERTY LINE
- BUILDING EXIT / BF - BARRIER FREE / FF - FIRE FIGHTER PRINCIPAL ENTRANCE
- GRADE LEVEL OVERHEAD DOOR
- DENOTES FIRE ROUTE MIN. 6.0m WIDE WITH MIN. 12.0m CENTRELINE RADIUS
- CB NEW CATCH BASIN
- CBMH NEW CATCH BASIN MANHOLE
- MH NEW MANHOLE
- WV NEW WATER VALVE
- EX CB EXISTING CATCH BASIN
- EX CBMH EXISTING CATCH BASIN MANHOLE
- EX MH EXISTING MANHOLE
- EX GM EXISTING GAS METER
- EX LS EXISTING LIGHT STANDARD
- EX HP EXISTING HYDRO POLE
- EX TC EXISTING TELEPHONE CHAMBER
- EX WV EXISTING WATER VALVE
- EX FH EXISTING FIRE HYDRANT
- EX TL EXISTING TRAFFIC LIGHT
- EX RS EXISTING ROAD SIGN
- EX FP EXISTING FLAG POLE
- EX BOL EXISTING BOLLARD
- EXISTING FENCELINE
- EX FDC EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING TREE
- NEW SOD AREA
- NEW CONCRETE SLAB/ SIDEWALK
- NEW HEAVY DUTY CONCRETE SLAB/ SIDEWALK
- NEW HEAVY DUTY ASPHALT PAVING
- NEW LIGHT DUTY ASPHALT PAVING
- NEW FIBERWEAVE MULCH
- SNOW STORAGE
- NEW TWSI
- NEW LOCATION FOR SNOW STORAGE
- EXIST LOCATION FOR SNOW STORAGE
- NEW TREE, SEE LANDSCAPE
- NEW TRAFFIC SIGN
- NEW CB, MH, SEE CIVIL

ALL OTHER SITE AREAS UNO ARE EXISTING, TO REMAIN

1 A102 PROPOSED SITE PLAN
1 : 300

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

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snyder
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Key Plan N.T.S.

Project North / True North

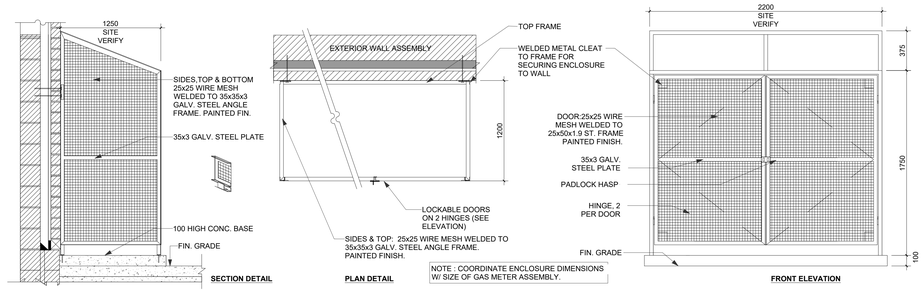
No.	Revisions	Date
8	Issued for Tender	2026 11 12
7	Issued for Pre-Tender	2026 10 26
6	Issued for Pre-Tender	2026 05 22
5	Issued for Permit	2026 04 24
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No.	Issue	Date

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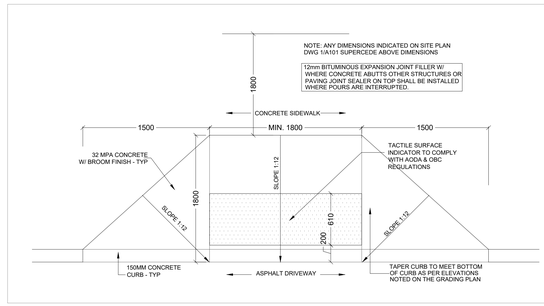
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARNAUD MCKEARZ
LICENCE
8559

Drawing Title:
PROPOSED SITE PLAN & SITE STATISTICS

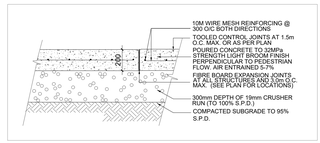
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Drawn by: DR	Checked by: RM
Job No. 2502	Drawing No. A102



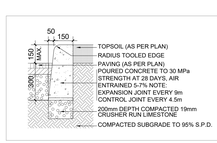
5 A103 GAS ENCLOSURE
NTS



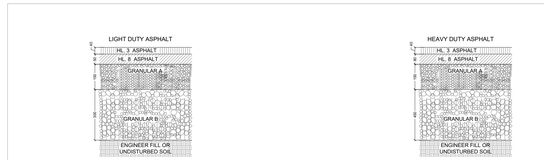
6 A103 CURB RAMP DETAIL
NTS



4 A103 CONCRETE WALKWAY
NTS



3 A103 POURED CONCRETE CURB AT PAVING DETAIL
NTS



GENERAL NOTES:

1. REFER TO GEOTECHNICAL REPORT PREPARED BY GEI CONSULTANTS CANADA LTD.
2. ALL GRANULAR FILL MATERIAL SHALL BE COMPACTED TO 98% SPMDD.
3. TOPSOIL, DEBRIS & LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS, DIRECTION ARROWS, AS INDICATED ON PLAN.
6. SHOULD THE PROPOSED ROADS BE CONSTRUCTED DURING WET 6. SEASONS, THE GRANULAR SUB/BASE SHOULD BE REPLACED BY AN EQUAL THICKNESS OF COMPACTED SIZE 50mm CRUSHER-RUN LIMESTONE.

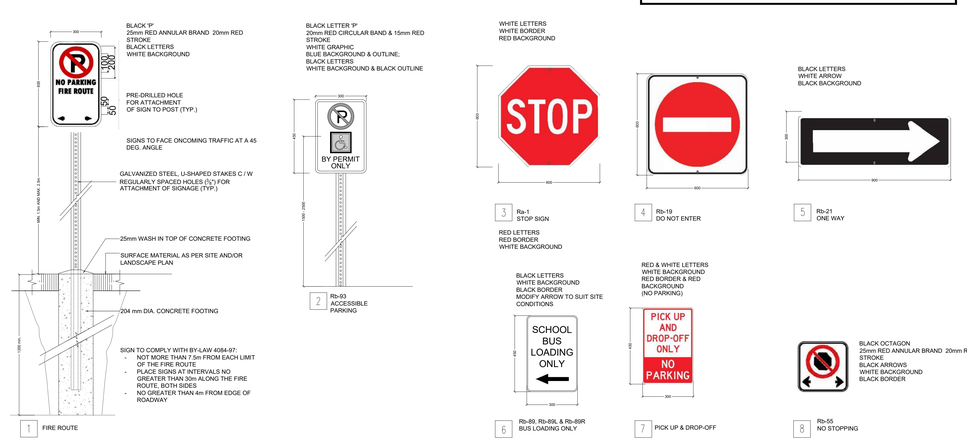
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2 A103 LIGHT & HEAVY DUTY ASPHALT PAVING
NTS

GENERAL NOTES:

1. THIS DRAWING IS ONLY TO BE USED AS A REFERENCE ONLY. THE CONTRACTOR TO COMPLY WITH THE TOWNSHIP OF ORO-MEDONTE SIGN BYLAW AND THE FIRE DEPARTMENT'S FIRE ROUTE ACCESS SIGNAGE
2. INSTALL ALL SIGNAGE ON POSTS TO MAINTAIN 1.8M CLEARANCE UNDER SIGN ALONG PEDESTRIAN SIDEWALKS



1 A103 TRAFFIC SIGNS
NTS

Simcoe Muskoka Catholic
District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION

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Project North True North

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARNALIE MENDEZ
LICENCE
8559

Drawing Title:

SITE DETAILS

Scale: NTS	Date: 2025 11 14
Drawn by: DR	Checked by: RM
Job No. 2502	Drawing No. A103

CAD File:

Name of Practice:
Snyder Architects Inc.
100 Broadview Ave., Suite 301
Toronto, Ontario M4M 3H3

Name of Project:
Notre Dame Catholic School - Renovation & Addition

Location:
140 Atlantis Dr, Orillia, ON L3V 0A8

2024 Ontario Building Code Data Matrix
Part 3 – Fire Protection, Occupant Safety and Accessibility

			BC Reference
3.00	**Building Code Version:** O.Reg. 163/24	**Last Amendment:** O. Reg. 447/24	**BC Reference**
3.01	**Project Type**	□ New Construction □ Addition □ Renovation □ Change of Use √ Addition and Renovation **Description:** Existing K-8 elementary school - new 8 classroom and 1 staff work room addition	**[A] 1.3.3.2.**
3.02	**Major Occupancy Classification**	**Occupancy** A-2 — **Use** School, Child Care	**3.1.2**
3.03	**Superimposed Major Occupancies**	√ No □ Yes	**3.2.2.7.**
3.04	**Building Area (m²)**	**Description / Existing / New / Total** Building A 1262.05 N/A Building B 1873.00 N/A Building C 718.01 N/A Building D N/A 828.40 Canopy Int/Ext Areas 67.16 23.45 **Total** 3,920.22 851.85 4,772.07	**[A] 1.4.1.2.**
3.05	**Gross Area (m²)**	**Description / Existing / New / Total** Building A 1262.05 N/A Building B 1873.00 N/A Building C 718.01 N/A Building D N/A 828.40 Mechanical Room 202.74 N/A **Total** 4055.80 828.40 4,884.20	**[A] 1.4.1.2.**
3.06	**Mezzanine Area (m²)**	**Description / Existing / New / Total** Mezzanine 27.00 - 27.00	**3.2.1.1.**
3.07	**Building Height**	1 Storeys above grade 7.4 (m) above grade 0 Storeys below grade	**[A] 1.4.1.2. & 3.2.1.1.**
3.08	**High Building**	√ No □ Yes	**3.2.6.**
3.09	**Number of Streets/ Firefighter access**	2 Streets	**3.2.2.10. & 3.2.5.**
3.10	**Building Classification** (Size & Construction Relative to Occupancy)	3.2.2.25. Group/Div Group A, Division 2, up to 2 storeys - ADDITION ONLY	**3.2.2.20 - 93.**
3.11	**Sprinkler System**	√ No □ Yes **Provided:** □ entire building □ selected compartments □ selected floor areas □ basement □ in lieu of roof rating √ none **Description:**	**3.2.1.5. & 3.2.2.18., .21., .22., .29., 3.2.4.1., 3.2.4.9., 3.2.4.15., and 3.2.5.12. to .14.**
3.12	**Standpipe System**	√ Not required □ Required	**3.2.5.8 - 11.**
3.13	**Fire Alarm System**	□ Not required √ Required **Type Provided:** √ Single stage □ Two stage □ None	**3.2.4.**
3.14	**Water Service / Supply is Adequate**	□ No √ Yes	**3.2.5.7.**
3.15	**Construction Type**	**Restriction:** √ Combustible permitted √ Non-combustible permitted □ Encapsulated mass timber permitted **Actual:** □ Combustible √ Non-combustible □ Combination of combustible and non-combustible □ Encapsulated mass timber □ Combination of encapsulated mass timber and non-combustible **Heavy Timber Construction:** √ No □ Yes	**3.2.2.20.- 93. & 3.1.6.** **3.1.4.6., 7., 3.2.2.16.**
3.16	**Importance Category**	□ Low □ Low human occupancy □ Post-disaster shelter □ Normal √ High □ Minor storage building □ Explosive or hazardous substances □ Post-disaster	**4.1.2.1.(3) & T4.1.2.1.**
3.17	**Seismic Category**	**Seismic Category:** SC2 **Site Class:** X693 **Seismic design for Table 4.1.8.18. items 6 to 22:** √ Not required □ Required **Reasons:**	**4.1.8.4.(1)** **T-4.1.8.5.-B** **4.1.8.18.**
3.18	**Occupant Load**	**Floor Level/Area / Occupancy Type / Based On / Occupant Load (Persons) / Posted Limit Required** Ground Floor Addition — Assembly — Design — 216 — Yes	**3.1.17.**
3.19	**Barrier-free Design**	√ Yes □ No **Explanation**	**3.8**
	Barrier-free Entrances	**Number** 3 **Explanation** All proposed new entrances are barrier-free	**3.8.1.2.**
3.20	**Hazardous Substances**	□ Yes **Explanation** √ No	**3.3.1.2.**
3.21	**Required Fire Resistance Ratings**	**Horizontal Assembly / Rating (H) / Supporting Assembly (H) / Noncombustible in lieu of rating?** Storeys below grade N/A N/A □ No □ Yes √ N/A Floors over basement N/A N/A □ No □ Yes √ N/A Floors 0 HR N/A □ No √ Yes □ N/A Mezzanine N/A N/A □ No √ Yes □ N/A Roof N/A N/A □ No √ Yes □ N/A	**3.2.2.20 - 93, 3.2.1.2, 3.2.1.4., 3.2.2.15., 3.3.2.1.**
3.22a	**Spatial Separation**	**Exposing Building Face / EBF Area (m²) / L.D. (m) / L/H or H/L / Required FRR (H) / % Unprotected Openings Permitted / % Unprotected Openings Provided** North Elev - - 73.5 - - 100 100 West Elev - - 75.8 - - 100 100 South Elev - - 124.9 - - 100 100	**3.2.3.**
3.22b	**Spatial Separation Continued**	**EBF / Construction Type / Cladding Type** North Elev Non-combustible Non-combustible West Elev Non-combustible Non-combustible South Elev Non-combustible Non-combustible	**3.2.3.**
3.23a	**Plumbing Fixture Requirements**	**Ratio: Male:Female = 50:50 Except as noted otherwise** **Floor Level/Area / Occupant Load / OBC Reference / WCs Required / WCs Provided** Ground Floor — 487 Male — 3.7.4.3.(14) — 16 — 18 487 Female — 19 — 19	**3.7.4., 3.8.2.3**
3.23a	**Plumbing Fixture Requirements continued**	**Floor Level/Area / Barrier-free WCs Required / Barrier-free WCs Provided / Universal WCs Required / Universal WCs Provided** Ground Floor 0 0 1 1	**T-3.8.2.3.A and T-3.8.2.3.B**

Name of Practice:
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Name of Project:
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Location:
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2024 Ontario Building Code Data Matrix
Part 11 – Renovation

			BC Reference
11.00	**Building Code Version:** O.Reg. 163/24	**Last Amendment:** O. Reg. 447/24	**BC Reference**
11.01	**Project Type**	□ Addition √ Renovation □ Change of Use □ Addition and Renovation **Description:** Renovation of existing north-east corner to include a universal washroom and storage areas and exit corridor.	**[A] 1.3.3.3B.**
11.02	**Major Occupancy Classification**	**Occupancy** A-2, A-2 — **Use** School, Child Care	**3.1.2.1.(1), 2.1.4.1.(1), and 11.2.1.**
11.03	**Superimposed Major Occupancies**	√ No □ Yes **Description:**	**11.2, 3.2.2.5. to 3.2.2.8., and 2.2.1**
11.04	**Building Area (m²)**	**Description / Existing / New / Total** Building A 1262.05 N/A 1262.05 Building B 1873.00 N/A 1873.00 Building C 718.01 N/A 718.01 Canopy Int/Ext Areas 67.16 N/A 67.16 **Total** 3,920.22 N/A 3,920.22	**[A] 1.4.1.2., 11.2., and 11.3.**
11.05	**Building Height**	1 Storeys above grade 7.4 (m) above grade 0 Storeys below grade	**[A] 1.4.1.2., 3.2.1.1., 2.2.2.2., and 11.3.**
11.06	**Number of Streets/ Firefighter Access**	2 street(s)	**3.2.2.10., 3.2.5., 2.2.4.1., and 11.3.**
11.07	**Building Size**	□ Small □ Medium √ Large □ > Large	**11.2.1.1., and T.11.2.1.1.B-N.**
11.08	**Existing Building Classification:**	**Change in Major Occupancy:** □ Yes √ Not applicable (no change of major occupancy) **Construction Index:** - **Hazard Index:** 6 **Importance Category:** □ Low □ Normal √ High □ Post-disaster	**10.1.1.2., 11.2.1.1.** **T 11.2.1.1.A** **T 11.2.1.1.B to N** **4.1.2.1.(3), 2.3.1., and 5.2.2.1.(2)**
11.09	**Renovation Type**	√ Basic Renovation □ Extensive Renovation	**11.3.3.1., and 11.3.3.2.**
11.10	**Occupant Load**	**Floor Level/Area / Occupancy Type / Based On / Occupant Load (Persons) / Posted Limit Required** Ground Floor — Assembly — Design — 506 — No-Existing	**3.1.17., 2.1.2.2., and 11.4.2.2.**
11.11a	**Plumbing Fixture Requirements**	**Ratio: Male:Female = 50:50 Except as noted otherwise** **Floor Level/Area / Occupant Load / OBC Reference / WCs Required / WCs Provided** All existing fixtures to remain, also refer to Part 3 Matrix	**3.7.4., 11.3.4., 11.3.5., 11.4.2.4., and 11.4.2.5.**
11.11b	**Plumbing Fixture Requirements continued**	**Floor Level/Area (repeated) / Barrier-free WCs Required / Barrier-free WCs Provided / Universal WCs Required / Universal WCs Provided** Ground Floor 0 0 1 1	**Tables 3.8.2.3.A and 3.8.2.3.B**
11.12	**Barrier-free Design**	√ Yes □ No **Explanation** **Barrier-free Entrances** **Number** 2 **Explanation**	**11.3.1.2., 11.3.2., 11.3.3.2.**
11.13	**Reduction in Performance Level:**	**Structural:** √ No □ Yes **By increase in occupant load:** √ No □ Yes **By change of major occupancy:** √ No □ Yes **Plumbing:** √ No □ Yes **Sewage-systems:** √ No □ Yes **Extension of buildings of combustible construction:** √ No □ Yes	**11.4.2.1.** **11.4.2.2.** **11.4.2.3.** **11.4.2.4.** **11.4.2.5.** **11.4.2.6.**
11.14	**Compensating Construction:**	√ No □ Yes **Structural:** √ No □ Yes **Increase in occupant load:** √ No □ Yes **Change of major occupancy:** √ No □ Yes **Plumbing:** √ No □ Yes **Sewage-systems:** √ No □ Yes **Extension of buildings of combustible construction:** √ No □ Yes	**11.4.3.1.** **11.4.3.2.** **11.4.3.3.** **11.4.3.4.** **11.4.3.5.** **11.4.3.6.** **11.4.3.7.**
11.15	**Compliance Alternatives Proposed:**	√ No □ Yes	**11.5.1.**
11.16	**Alternative Solutions**		**[A] 1.2.1.1., and [C] 2.1.**
11.17	**Notes:**		

1 *All references are to Division B of the OBC, unless preceded by [A] for Division A and [C] for Division C.*

OBC SUMMARY:

Building Classifications:
OBC 3.2.2.25, A-2 up to 2 storeys - ADDITION ONLY
Non-combustible
0HR floor assembly

Access Route:
OBC 3.2.5.4) Portion of building cut-off from the remainder of building to be within 45m of fire route.

Fire Separations:
1) OBC 3.4.4.1.1) Exits enclosure- same as floor: 0HR fire separation
2) OBC 3.3.2.2.8). ii) OL>200, not sprinklered, 1HR fire separation
3) OBC 3.3.1.22.1) Janitor's room, not sprinklered, 1 HR fire separation
4) OBC 3.6.2.1) Service Room w/ Fuel-Fired Equip, 1 HR fire separation
5) OBC 3.3.1.4.1&2) Public Corridor, 45 MIN fire separation

Travel Distances:
1) OBC 3.4.2.5. f) travel distance measured to an exterior exit door less than 30m.

2 Egress Doorway required:
1) OBC 3.3.1.5.1).
b)OL>60.
c) i) area >150m², ii) travel distance to an egress doorway >15m

Door:
Door swing - direction of exit travel:
1) OBC 3.3.1.11. 2) a)OL>60; c) hazardous classroom

Door Release Hardware:
1) OBC 3.4.6.16. Door Release Hardware: Exit Door, Latched door w/OL>100
2) OBC 3.3.1.13. 5) height not less than 900 and not more than 1100mm above ff

Self-Closing Device:
1) OBC 3.1.8.13 .1)&3)Door in fire separations.
2) OBC 3.4.6.13. 1) all Exit doors

OBC Summary

OCCUPANT LOAD CALCULATION- by Design			OCCUPANT LOAD
CHILD CARE	2 ROOMS: STAFF & CHILDREN		49
STUDENTS	3 KINDERGARTEN CLASSROOMS	x 26 STUDENTS	78
	22 CLASSROOMS	x 23 STUDENTS	506
	1 SPECIAL ED	x 12 STUDENTS	12
	1 RESOURCE ROOMS	x 9 STUDENTS	9
STAFF	ADMINISTRATION / ACADEMIC / CUSTODIAL		68
		TOTAL BUILDING OCCUPANT LOAD	**722**
	12 PORTABLES	x 25 PERSONS	300
	TOTAL OCCUPANT LOAD FOR PLUMBING FIXTURES (SCHOOL + PORTABLES, NIC CHILD CARE)		**973**

OCCUPANT LOAD CALCULATIONS

PLUMBING FIXTURE COUNTS			
		FIXTURES REQUIRED	FIXTURES PROVIDED
OCCUPANTS	MALE	17	18
	FEMALE	19	21
OVERALL TOTALS		36	39

PLUMBING FIXTURE COUNTS

EXIT WIDTH CALCULATION				
	DOORS		CORRIDOR	
	WIDTH [mm]	EXIT CAPACITY	WIDTH [mm]	EXIT CAPACITY
ADDITION	1050 x 4 = 4200	4200 / 6.1 = 688	2400	2400 / 6.1 = 393

Reference: 1) OBC 3.4.3.2 Exit Width. 2) OBC 3.4.3.3 Exit Width Reduction

OBC Exit Width Calculation - Building D

FIRE PROTECTION SCHEDULE

	CONDITION	FRR REQ.	FIRE PROTECTION
BEAM / LINTEL	SUPPORTING FLOOR	1 HR	SPRAY FIREPROOFING (U.N.O.): **cUL #N743 / #N791** or INTUMESCENT COATING (LOCATION AS NOTED): **cUL #N634**
	LINTEL > 2m @ LOAD BEARING WALL	1 HR	CMU (TYP.): **OBC SB-2.1.1** PROVIDE INTUMESCENT COATING AT EXPOSED FACE: THICKNESS BASED ON M/D RATIO
	LINTEL > 3m @ NON-LOAD BEARING WALL	1 HR	
	LINTEL IN FIRE SEPARATION	VARIES	
	BEAM IN FIRE SEPARATION DISRUPTING RATED WALL ASSEMBLY	VARIES	SPRAY FIREPROOFING: **cUL #N743** U.N.O. OR GYPSUM ENCLOSURE (LOCATION AS NOTED): **cULiN502**
COLUMN	SUPPORTING FLOOR	1 HR	SPRAY FIREPROOFING (U.N.O.): **cUL #X790** CMU > 64mm (LOCATION AS NOTED): **OBC SB-2.1.1** or INTUMESCENT COATING (LOCATION AS NOTED): **cUL #Y616**
	IN 1 HR FIRE SEPARATION	1 HR	
FLOOR / MEZZ.	FIRE SEPARATIONS AS SHOWN ON DRAWINGS	0HR	-
WALL	ALL LOAD BEARING WALL SUPPORTING FLOOR	1 HR	CMU >64mm (TYP): **OBC SB-2.1.1**
	FIRE SEPARATIONS AS SHOWN ON DRAWINGS	VARIES	CMU (TYP): **OBC SB-2.1.1** or GYPSUM WALL ASSEMBLY: **CAN / ULC - S101 DESIGN NO. U419; cUL #W446 SYSTEM F/ #U420**
CEILING	AS 1 HR FIRE SEPARATION	1 HR	MEMBRANE CEILING: **OBMEC#89-1-118**
ROOF	SPRINKLERED	N/A	

FIRE PROTECTION LEGEND

FIRE PROTECTION NOTES:

1. PROVIDE FIRESTOP & SEAL AT ALL SLAB EDGES.
2. PROVIDE FIRESTOP & SEAL AT ALL STRUCTURAL MEMBER THAT PENETRATE FIRE SEPARATIONS.
3. PROVIDE FIRESTOP & SEAL AT ALL FIRE SEPARATIONS THAT TERMINATES @ EXTERIOR WALLS.
4. ENSURE REQUIRED RATING WITH CMU; GROUT SOLID WHERE NECESSARY.
5. SEAL TOP OF FIRE SEPARATION WITH FIRE STOPPING, OR RATED ASSEMBLY OF SAME RATING AS THE FIRE SEPARATION.
6. SPRAY PROOF ALL BEAMS SUPPORTING FLOOR ASSEMBLY WITH 1 HR FRR SPRAY FIREPROOFING EXCEPT NOTED OTHERWISE.
7. PROVIDE SPRAY FIREPROOFING FOR COLUMNS SUPPORTING FLOOR EXCEPT NOTED OTHERWISE.
8. PROVIDE INTUMESCENT PAINT AS INDICATED ON DRAWINGS.
9. DO NOT PRIME BEAMS & COLUMNS TO RECEIVE SPRAY FIREPROOFING.

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140 Atlantis Dr, Orillia, ON L3V 0A8

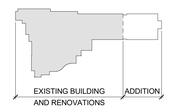
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KEY PLAN
1 : 2000

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1	ISSUED FOR SPA	2025 11 14
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General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA NAVALTA SOMCARS
LICENCE 6559

Drawing Title:

OBC DATA MATRIX, EXISTING BUILDING AND NEW ADDITION

Scale: As indicated	Date: Nov. 2025
Drawn by: DR	Checked by: RM
Job No. **2502**	Drawing No. A200

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HATCH LEGEND:

PROPOSED ADDITION

EXISTING BUILDING
(BASIC RENOVATION ONLY-REFER TO DRAWINGS)

FIRE SEPARATION LEGEND:

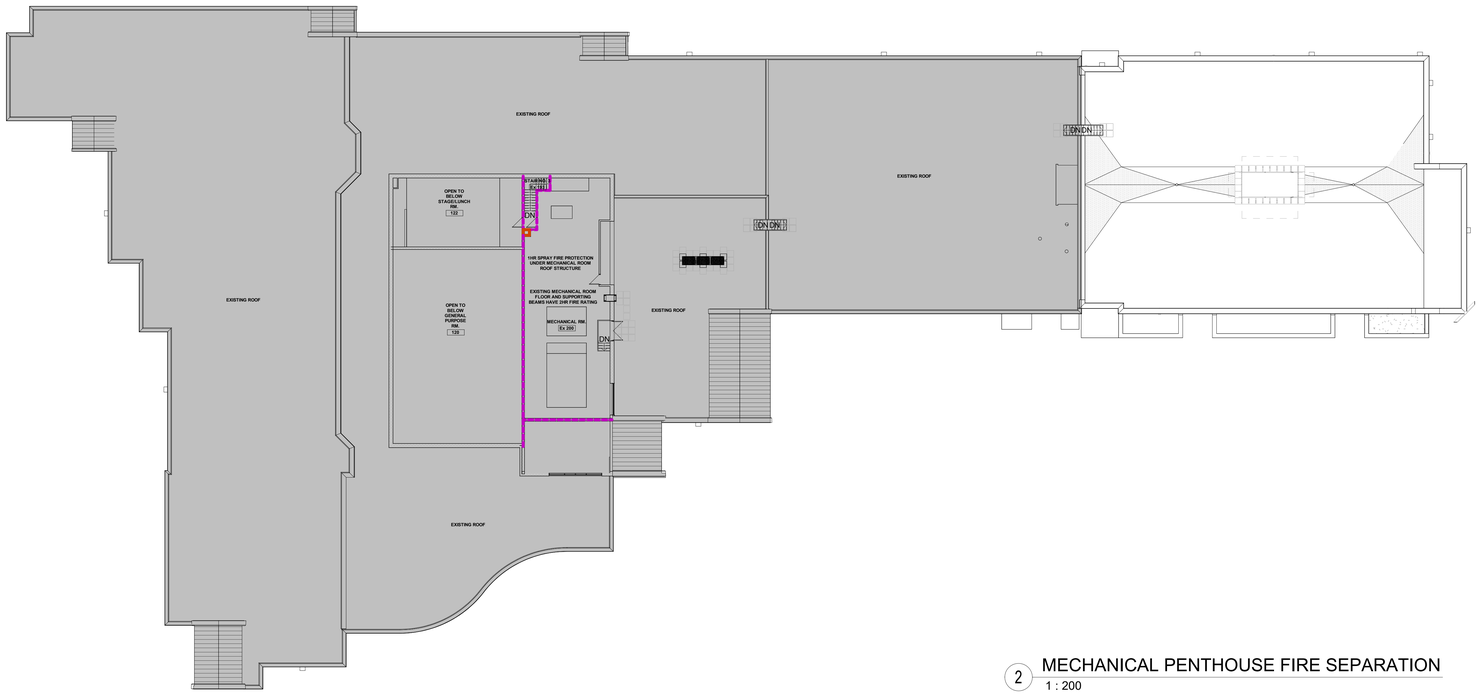
NOTE:

1. EXISTING FIRE SEPARATIONS AS PER EXISTING DRAWINGS, DATED JUNE 1993. ALL EXISTING FIRE SEPARATIONS ARE TO REMAIN.

45 MIN. FIRE SEPARATION

60 MIN. FIRE SEPARATION

120 MIN. FIRE WALL



2 MECHANICAL PENTHOUSE FIRE SEPARATION
1 : 200



PATH OF TRAVEL SCHEDULE	
Mark	**Length**
P-1	**18960**
P-2	**24185**

1 GROUND FLOOR FIRE SEPARATION
1 : 200

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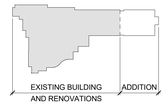
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ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
ROCHELLE MARAVILLA MONCAREZ
LICENCE
6659

Drawing Title:

FIRE SEPARATION, EXISTING BUILDING AND NEW ADDITION

Scale:	As indicated	Date:	Nov. 2025
Drawn by:	DR	Checked by:	RM
Job No.	**2502**	Drawing No.	A201

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FLOOR PLAN DEMOLITION NOTES

- D1 DEMOLITION CONTRACTOR TO REMOVE EXISTING VINYL SHEET/VCT FLOORING AND MECHANICALLY REMOVE ADHESIVES TO A SMOOTH SURFACE READY TO RECEIVE A SKIM COAT. FLOOR CONTRACTOR TO SUBSEQUENTLY APPLY A SKIM COAT OF CEMENTITIOUS TOPPING (AS REQUIRED) TO ENCAPSULATE REMAINING ADHESIVE AND FURTHER MAKE SMOOTH FOR APPLICATION OF SPECIFIED FLOOR FINISH. REFER TO FLOOR FINISH PLAN DWGS FOR NEW FLOOR FINISHES.
- D2 CAREFULLY REMOVE AND DISPOSE OF EXISTING EXTERIOR WINDOW/CURTAIN WALL, C/W ROLLER BLINDS AND ANY ASSOCIATED COMPONENT. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL, TO BE TIED INTO NEW WINDOW/CURTAIN WALL FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D2a SAME AS D2, BUT WORK TO BE DONE AFTER HOURS OR DURING WEEKENDS WHEN UNOCCUPIED.
- D3 REMOVE AND DISPOSE EXISTING MASONRY WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, LINTELS, BEAMS AND ANY ASSOCIATED STRUCTURAL COMPONENTS (AS REQUIRED). PATCH AND FILL IN REMAINING CONCRETE BLOCK, HOLES AND / OR MASONRY ROUGH SURFACES WITH CEMENTATION MATERIAL AND MAKE SMOOTH TO RECEIVE NEW WORK. REFER TO STRUC., ELEC. & MECH. DWG'S FOR SCOPE OF WORK AND COORDINATION.
- D4 CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (FULL HEIGHT) INCLUDING CAVITY WALL THRU-WALL FLASHING, INSULATION, AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE BRICK AND CMU-DEC FOR REUSE. REFER TO STRUC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D4a CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING, INCLUDING EXISTING LINTEL, CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK (SEE 4/A204). CAREFULLY REMOVE AND SALVAGE EXISTING EXTERIOR CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D4b CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING AND MECHANICAL LOUVER, INCLUDING CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK. KEEP EXISTING LINTEL IN PLACE (SEE 3/A204). CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D4c CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED) FOR A NEW MECH. LOUVER, INCLUDING, INSULATION, EXTERIOR AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW LOUVER FRAME. REFER TO STRUCTURAL AND MECH. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D5 REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D5a REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. KEEP LINTEL IN PLACE. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.
- D5b REMOVE AND DISPOSE OF EXISTING OVERHEAD DOOR AND ALL ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, TRACK AND MOTOR. KEEP LINTEL IN PLACE. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D6 REMOVE AND DISPOSE EXISTING GB WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D7 REMOVE EXISTING WALL BASE. MAKE GOOD AFFECTED SURFACES FOR NEW WALL BASE INSTALLATION.
- D8 GENERAL CONTRACTOR TO CUT, REMOVE, AND DISPOSE OF EXISTING SLAB ON GRADE, VAPOUR BARRIER, GRAVEL, AND ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, FLOOR FINISHES AND WALL BASES (AS REQUIRED) FOR SLAB ON GRADE THICKENING UNDER NEW CMU WALL OR FOR RUNNING NEW MECHANICAL SERVICES. GENERAL CONTRACTOR TO MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW SLAB ON GRADE MATCHING EXISTING. REFER TO STRUCTURAL AND MECH. DWGS FOR DEMOLITION SCOPE OF WORK AND COORDINATION.
- D9 REMOVE AND DISPOSE EXISTING MOP SINK/EYE WASH AND ALL ASSOCIATED PLUMBING. CUT AND CAP ALL DRAINS. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW FLOORING.
- D9a REMOVE AND RESTORE WASHING/DRYER MACHINES TO BE RE-INSTALLED IN NEW LOCATION.
- D9b REMOVE AND DISPOSE ALL EXISTING WASHING/DRYER MACHINE ASSOCIATED PLUMBING/DUCT WORK. CUT AND CAP ALL DRAINS. CONTRACTOR IS RESPONSIBLE TO CLOSE EXHAUST OPENING IN WALL AND PATCH INTERIOR CMU WALL. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES.
- D10 REMOVE AND DISPOSE OF EXISTING ELECTRICAL PANEL AND ANY ASSOCIATED COMPONENETS. REFER TO ELECT. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D11 CAREFULLY REMOVE METAL SHELVES, AND STOCKPILE FOR RE-INSTALLATION. CONTRACTOR TO RELOCATE EXISTING METAL SHELVES IN NEW EQUIPMENT STORAGE ROOM.
- D12 REMOVE AND DISPOSE EXISTING MILLWORK, PATCH AND FILL EXISTING REMAINING WALLS (AS REQUIRED). REFER TO ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW WORK.
- D13 REMOVE AND DISPOSE OF EXISTING RECESSED CABINET HEATER AND INFILL THE HOLE WITH BLOCK. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING AFFECTED SURFACES AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.
- D14 CAREFULLY REMOVE AND SALVAGE EXISTING MECH. ROOM LOUVER TO BE INSTALLED AGAIN AFTER MECHANICAL EQUIPMENT HAS BEEN INSTALLED. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL, TO BE TIED INTO RE-INSTATED LOUVER FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.
- D15 CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND MAKE READY TO REINSTALL LOUVER. (REFER TO DETAILS 6&7 ON A203)
- D16 REMOVE EXISTING DOOR/LOUVER, CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND REINSTALL DOOR/LOUVER.
- D17 REMOVE AND DISPOSE OF EXISTING GAS METER ENCLOSURE AND ITS CONCRETE PAD. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING PAVEMENT AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.
- D18 EXISTING RAINWATER LEADER TO REMAIN. REFER TO MECHANICAL FOR COORDINATION.

FLOOR PLAN DEMOLITION LEGEND:

- AREAS RECEIVING WORK
- DEMOLITION ITEMS
- EXTENT OF EXISTING SLAB TO BE DEMOLISHED(AS REQUIRED) REFER TO FLOOR PLAN DEMOLITION NOTES
- EXISTING TO REMAIN

GENERAL DEMOLTION NOTES:

1. PROTECT AND PROPERLY STORE ANY DOORS TEMPORARILY REMOVED BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS COMPLETED.
2. ARCHITECTURAL DEMOLITION DWGS MUST BE READ IN CONJUNCTION WITH STRUC., MECH., AND ELEC. DEMOLITION DWGS. REFER TO STRUC., MECH., & ELEC. DEMOLITION DWGS FOR COORDINATION.
3. CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS.
4. CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
5. IN ALL EXISTING ROOMS RECEIVING NEW WORK, CAREFULLY REMOVE EXISTING WALL ART / POSTERS / BANNERS AND HAND BACK TO OWNER IN GOOD CONDITION.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING, REPAIRING, AND MAKING GOOD ALL HOLES OR DAMAGE DUE TO GENERAL DEMOLITION ON EXISTING EXPOSED MASONRY SURFACES TO REMAIN.
7. PROVIDE TEMPORARY WEATHER PROTECTION DURING ALL EXTERIOR REMOVALS / ROOF OR TO PROTECT WORK THAT IS EXPOSED TO THE WEATHER UNTIL PROTECTED ELEMENT IS IN COMPLETED STATE.
8. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK, AND SHALL INFORM THE OWNER'S REPRESENTATIVE OR THE ARCHITECT OF ANY DISCREPANCIES AFFECTING PROPER COMPLETION OF CONTRACT WORK.
9. CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL ELECTRICAL, MECHANICAL AND PLUMBING SERVICES THAT ARE TO REMAIN ACTIVE. THIS INCLUDES SCHEDULING ALL SHUT-DOWNS, DISCONNECTS, AND RECONNECTS OF ALL THOSE SERVICES.
10. PROVIDE NECESSARY TEMPORARY BRACING AND SHORING AS REQUIRED TO COMPLETE ALL WORK. COORDINATE WITH STRUC. CONSULTANT.
11. DEMOLITION CONTRACTOR IS RESPONSIBLE TO CAREFULLY REMOVE AND DISPOSE ALL FLOOR AND DRAINS INCLUDING PIPES AND ETC. AND MAKE ALL HOLES GOOD TO FILL WITH CONCRETE, MATCH TO EXISTING.
12. GENERAL CONTRACTOR TO COORDINATE SLAB CUTTING FOR NEW PIPING THROUGH EXISTING FLOOR SLABS WITH MECH. DWGS. LOCATION OF HOLES TO BE COORDINATED WITH STRUCTURAL DWGS.
13. ALL DEMO DRAWINGS ARE TO BE READ IN RELATION w/ EXISTING CONDITIONS.
14. CONTRACTOR TO COVER AND PROTECT ALL EXISTING FURNITURE IN THE AREAS OF WORK WITH HEAVY DUTY POLY. EXITING FURNITURE TO BE CAREFULLY MOVED BY CONTRACTOR AS REQUIRED TO FACILITATE THE WORK.



1 GROUND FLOOR PLAN - EXISTING AND DEMOLITION
1 : 100

2 NEW OPENING IN EXISTING CMU (TYP.)
1 : 50

PHOTO-4/A201

PHOTO-3/A201

PHOTO-2/A201

PHOTO-1/A201

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
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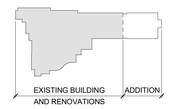
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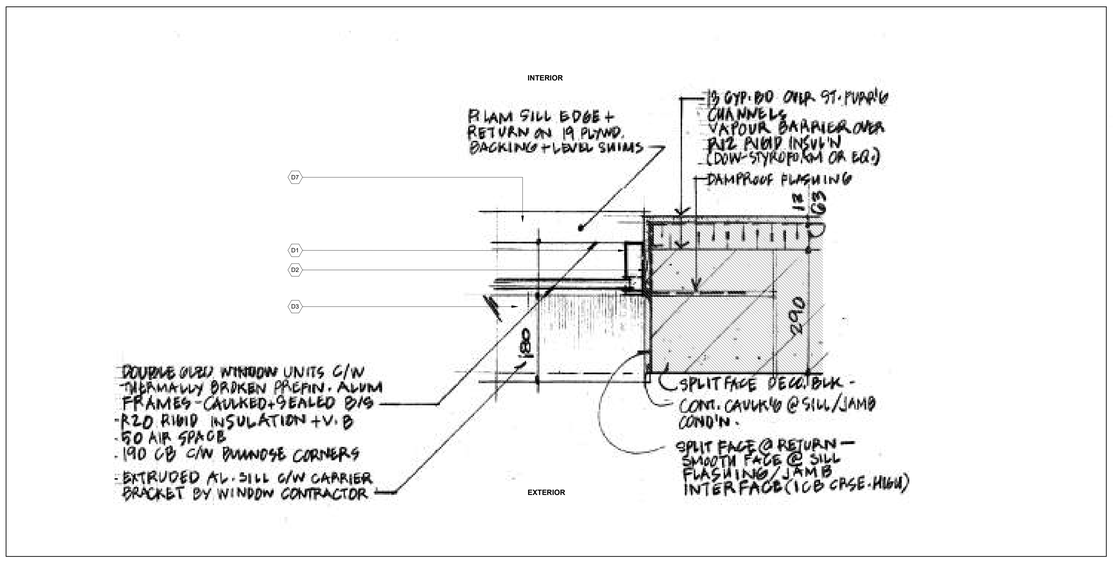
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA NAVALTA MENEARS
LICENCE 6559

Drawing Title:

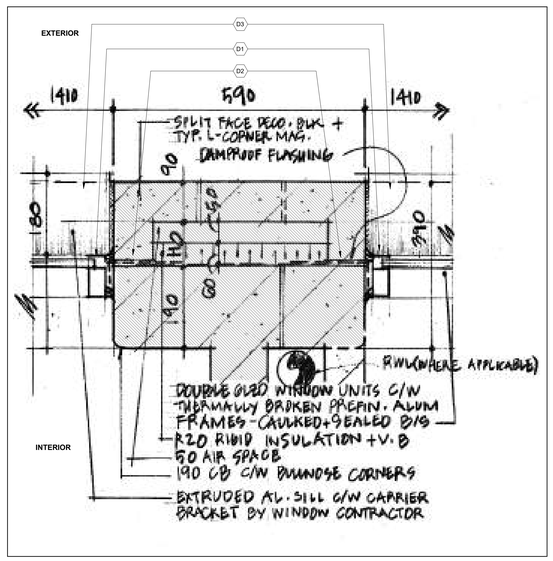
GROUND FLOOR PLAN - EXISTING AND DEMOLITION

Scale:	As indicated	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A202

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9 PLAN DETAIL - EXISTING WINDOW JAMB - IN ADMIN AREA
1 : 5



8 PLAN DETAIL - EXISTING WINDOW JAMB - IN CLASSROOMS
1 : 5

SECTION-DETAILS DEMOLITION NOTES

- D1 CAREFULLY REMOVE AND DISPOSE OF EXISTING WINDOW, WINDOW FRAME AND ANY ASSOCIATED COMPONETNS
- D2 KEEP EXISTING VAPOUR/BARRIER AND REPAIR IF DAMAGED TO TIE INTO NEW WINDOW/LOUVER FRAME.
- D3 REMOVE EXTERIOR FLASHING AND IT'S ASSOCIATED COMPONENTS TO BE REPLACED WITH NEW FLASHING .
- D4 KEEP EXISTING INSULATION AND REPAIR IF DAMAGED DURING WINDOW REMOVAL
- D5 CAREFULLY REMOVE AND RESTORE EXISTING MILLWORK COUNTERTOP FOR WINDOW REPLACEMENT AS REQUIRED, MAKE GOOD AND REINSTALL AFTER INSTALLATION OF NEW WINDOW.
- D6 REMOVE AND DISPOSE EXISTING ALUMINUM CLOSURE
- D7 CAREFULLY REMOVE AND RESTORE EXISTING P.LAM. SILL FOR WINDOW REPLACEMENT AS REQUIRED, MAKE GOOD AND RE-INSTALL AFTER INSTALLATION OF THE NEW WINDOW.
- D8 REMOVE AND DISPOSE OF EXISTING WINDOW SHADES
- D9 CAREFULLY REMOVE AND RESTORE EXISTING MECHANICAL LOUVER TO BE REINSTALLED AFTER INSTALLATION OF MECHANICAL EQUIPMENT
- D10 CLEAN STEEL LINTEL FROM CORROSION (REPLACE THE LINTEL IF REQUIRED). APPLY INTUMESCENT PAINT ON STEEL LINTEL (REFER TO FIRE PROTECTION SCHEDULE ON A200)

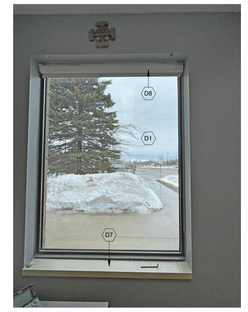


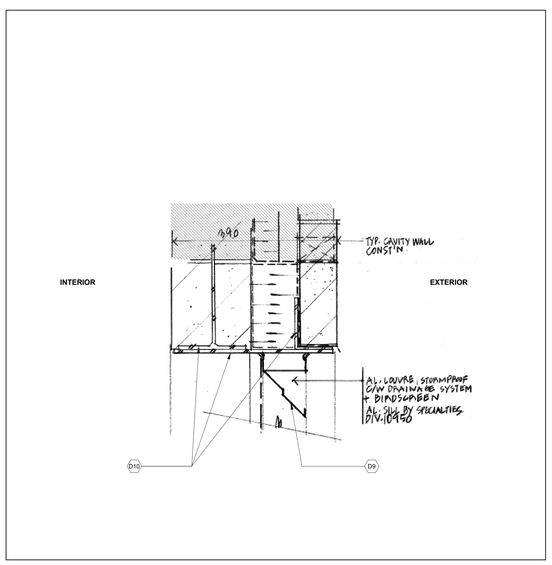
PHOTO-3/A203-ADMIN. AREAS



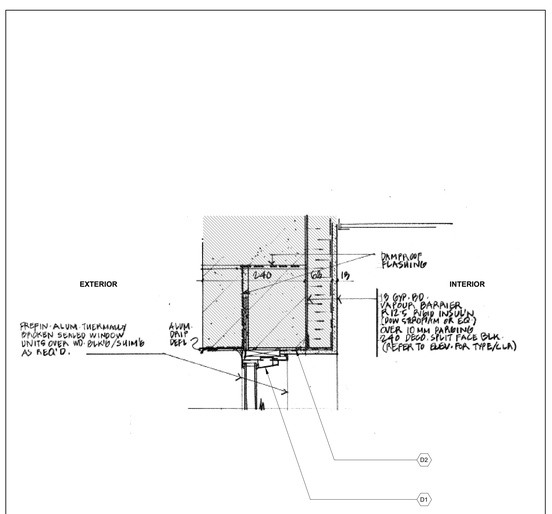
PHOTO-2/A203-KG & DAYCARE



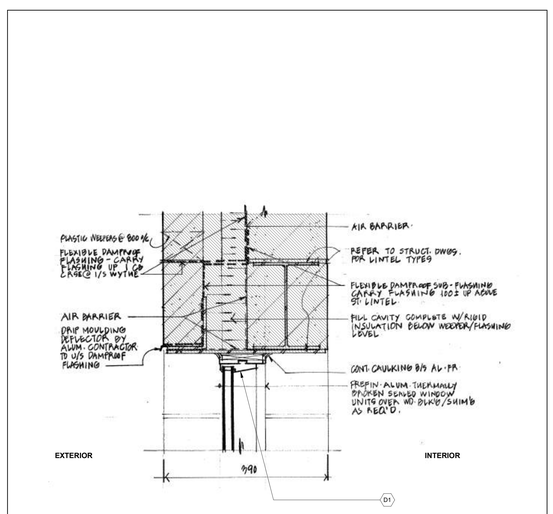
PHOTO-1/A203-EDU. AREAS



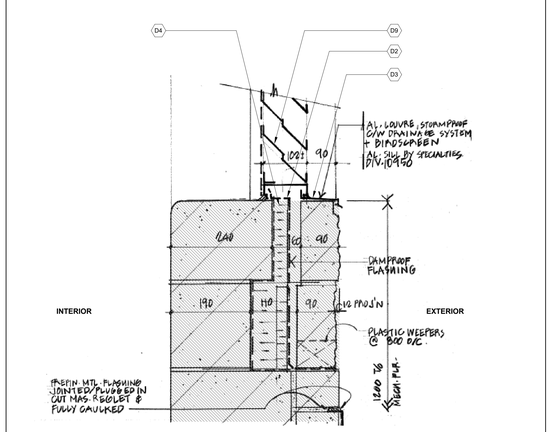
7 EXISTING LOUVER HEAD-MECH. ROOM
1 : 5



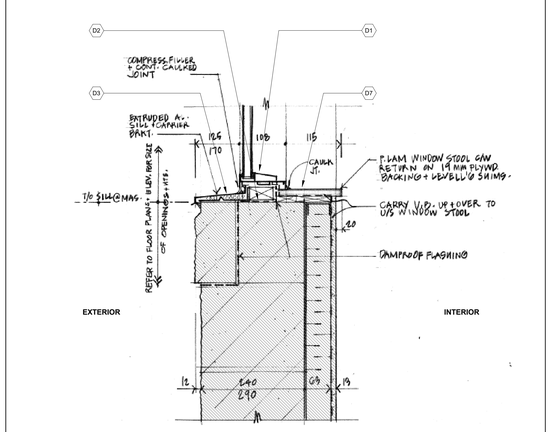
5 EXISTING WINDOW HEAD-IN SCHOOL ADMIN AREA
1 : 5



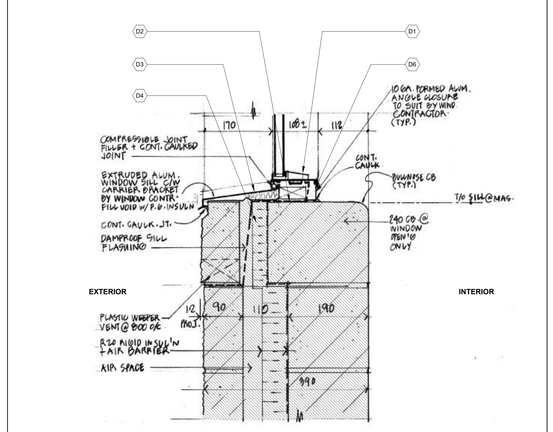
3 EXISTING WINDOW HEAD-IN SCHOOL EDU. AREAS
1 : 5



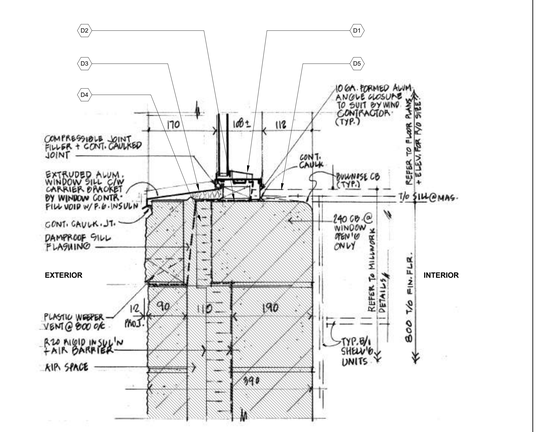
6 EXISTING LOUVER SILL-MECH. ROOM
1 : 5



4 EXISTING WINDOW SILL-IN SCHOOL ADMIN. AREA
1 : 5



2 EXISTING WINDOW SILL-IN KG & DAYCARE
1 : 5



1 EXISTING WINDOW SILL-IN SCHOOL EDU. AREAS
1 : 5

Simcoe Muskoka Catholic District School Board

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No.	Revision	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	ISSUED FOR SPA	2025 11 14

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIE WALKER
LICENCE 6509

Drawing Title:

EXISTING WINDOWS DEMOLITION

Scale:	1 : 5	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	2502	Drawing No.	A203

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FLOOR PLAN DEMOLITION LEGEND:

- AREAS RECEIVING WORK
- DEMOLITION ITEMS
- EXTENT OF EXISTING SLAB TO BE DEMOLISHED(AS REQUIRED) REFER TO FLOOR PLAN DEMOLITION NOTES
- EXISTING TO REMAIN

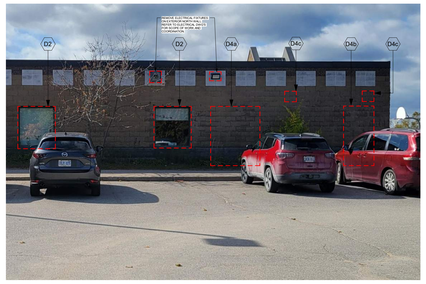


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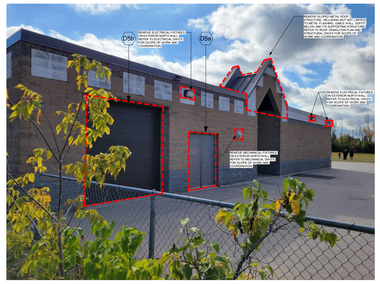


PHOTO-2



PHOTO-3

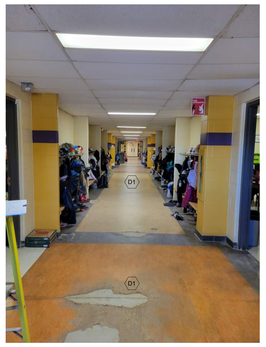


PHOTO-4



PHOTO-5

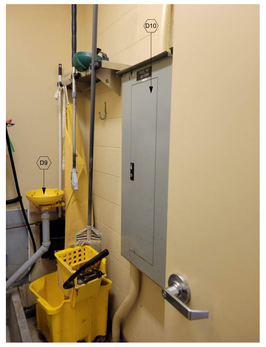


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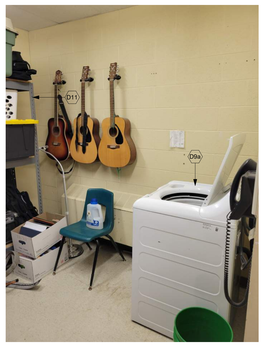


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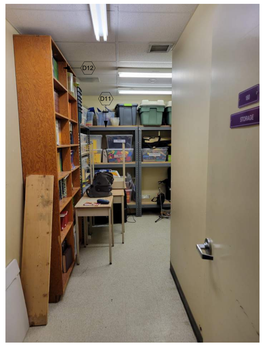


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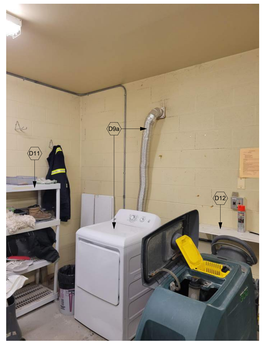


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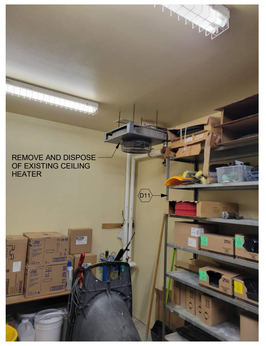


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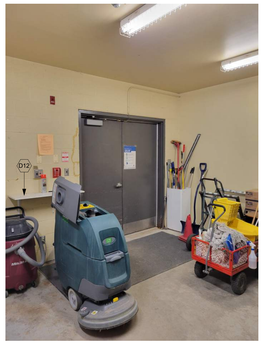
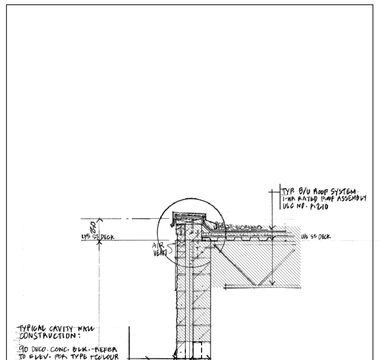
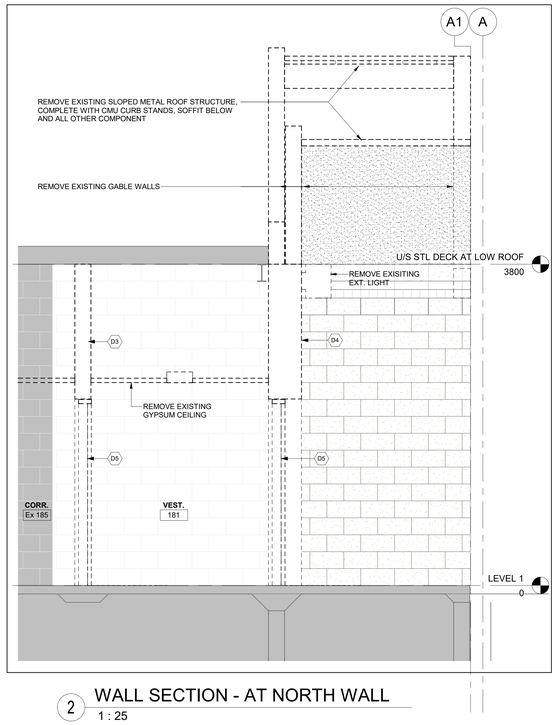


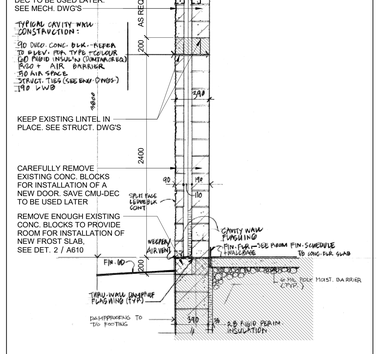
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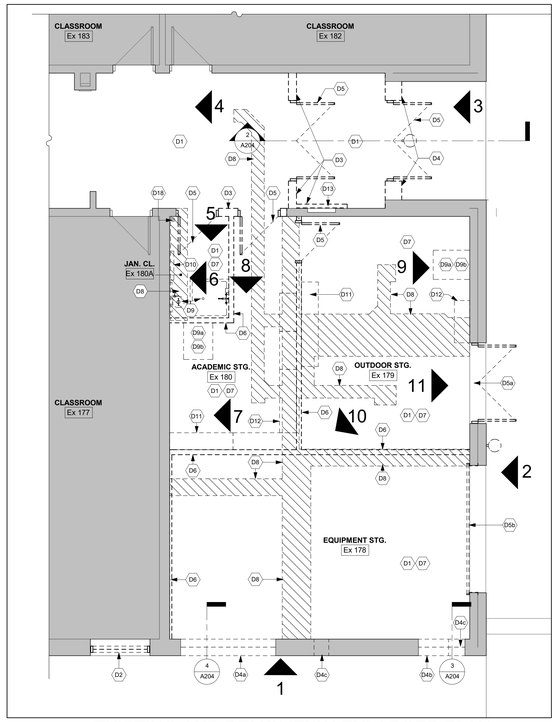
4 EXISTING WALL SECTION-1
1 : 25



2 WALL SECTION - AT NORTH WALL
1 : 25



3 EXISTING WALL SECTION-2
1 : 25



1 EXISTING AND DEMOLITION ENLARGED PLAN
1 : 50

FLOOR PLAN DEMOLITION NOTES

D1 DEMOLITION CONTRACTOR TO REMOVE EXISTING VINYL SHEET/VCT. FLOORING AND MECHANICALLY REMOVE ADHESIVES TO A SMOOTH SURFACE READY TO RECEIVE A SKIM COAT. FLOOR CONTRACTOR TO SUBSEQUENTLY APPLY A SKIM COAT OF CEMENTITIOUS TOPPING (AS REQUIRED) TO ENCAPSULATE REMAINING ADHESIVE AND FURTHER MAKE SMOOTH FOR APPLICATION OF SPECIFIED FLOOR FINISH. REFER TO FLOOR FINISH PLAN DWGS FOR NEW FLOOR FINISHES.

D2 CAREFULLY REMOVE AND DISPOSE OF EXISTING EXTERIOR WINDOW/CURTAIN WALL, C/W ROLLER BLINDS AND ANY ASSOCIATED COMPONENT. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL. TO BE TIED INTO NEW WINDOW/CURTAIN WALL FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D2a SAME AS D2, BUT WORK TO BE DONE AFTER HOURS OR DURING WEEKENDS WHEN UNOCCUPIED.

D3 REMOVE AND DISPOSE EXISTING MASONRY WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, LINTELS, BEAMS AND ANY ASSOCIATED STRUCTURAL COMPONENTS (AS REQUIRED). PATCH AND FILL IN REMAINING CONCRETE BLOCK, HOLES AND / OR MASONRY ROUGH SURFACES WITH CEMENTATION MATERIAL AND MAKE SMOOTH TO RECEIVE NEW WORK. REFER TO STRUC., ELEC. & MECH. DWG'S FOR SCOPE OF WORK AND COORDINATION.

D4 CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (FULL HEIGHT) INCLUDING CAVITY WALL THRU-WALL FLASHING, INSULATION, AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE BRICK AND CMU-DEC FOR REUSE. REFER TO STRUC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4a CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING, INCLUDING EXISTING LINTEL, CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK (SEE 4/A204). CAREFULLY REMOVE AND SALVAGE EXISTING EXTERIOR CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4b CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING AND MECHANICAL LOUVER, INCLUDING CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK. KEEP EXISTING LINTEL IN PLACE (SEE 3/A204). CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4c CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED) FOR A NEW MECH. LOUVER, INCLUDING, INSULATION, EXTERIOR AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW LOUVER FRAME. REFER TO STRUCTURAL AND MECH. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D5 REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D5a REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. KEEP LINTEL IN PLACE. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D5b REMOVE AND DISPOSE OF EXISTING OVERHEAD DOOR AND ALL ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, TRACK AND MOTOR. KEEP LINTEL IN PLACE. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D6 REMOVE AND DISPOSE EXISTING GB WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D7 REMOVE EXISTING WALL BASE. MAKE GOOD AFFECTED SURFACES FOR NEW WALL BASE INSTALLATION.

D8 GENERAL CONTRACTOR TO CUT, REMOVE, AND DISPOSE OF EXISTING SLAB ON GRADE, VAPOUR BARRIER, GRAVEL, AND ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, FLOOR FINISHES AND WALL BASES (AS REQUIRED) FOR SLAB ON GRADE THICKENING UNDER NEW CMU WALL OR FOR RUNNING NEW MECHANICAL SERVICES. GENERAL CONTRACTOR TO MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW SLAB ON GRADE MATCHING EXISTING. REFER TO STRUCTURAL AND MECH. DWGS FOR DEMOLITION SCOPE OF WORK AND COORDINATION.

D9 REMOVE AND DISPOSE EXISTING MOP SINK/EYE WASH AND ALL ASSOCIATED PLUMBING. CUT AND CAP ALL DRAINS. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW FLOORING.

D9a REMOVE AND RESTORE WASHING/DRYER MACHINES TO BE RE-INSTALLED IN NEW LOCATION.

D9b REMOVE AND DISPOSE ALL EXISTING WASHING/DRYER MACHINE ASSOCIATED PLUMBING/DUCT WORK. CUT AND CAP ALL DRAINS. CONTRACTOR IS RESPONSIBLE TO CLOSE EXHAUST OPENING IN WALL AND PATCH INTERIOR CMU WALL. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES.

D10 REMOVE AND DISPOSE OF EXISTING ELECTRICAL PANEL AND ANY ASSOCIATED COMPONENETS. REFER TO ELECT. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D11 CAREFULLY REMOVE METAL SHELVES, AND STOCKPILE FOR RE-INSTALLATION. CONTRACTOR TO RELOCATE EXISTING METAL SHELVES IN NEW EQUIPMENT STORAGE ROOM.

D12 REMOVE AND DISPOSE EXISTING MILLWORK, PATCH AND FILL EXISTING REMAINING WALLS (AS REQUIRED). REFER TO ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW WORK.

D13 REMOVE AND DISPOSE OF EXISTING RECESSED CABINET HEATER AND INFILL THE HOLE WITH BLOCK. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING AFFECTED SURFACES AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D14 CAREFULLY REMOVE AND SALVAGE EXISTING MECH. ROOM LOUVER TO BE INSTALLED AGAIN AFTER MECHANICAL EQUIPMENT HAS BEEN INSTALLED. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL. TO BE TIED INTO RE-INSTATED LOUVER FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D15 CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND MAKE READY TO REINSTALL LOUVER. (REFER TO DETAILS 6&7 ON A203)

D16 REMOVE EXISTING DOOR/LOUVER, CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND REINSTALL DOOR/LOUVER.

D17 REMOVE AND DISPOSE OF EXISTING GAS METER ENCLOSURE AND ITS CONCRETE PAD. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING PAVEMENT AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D18 EXISTING RAINWATER LEADER TO REMAIN. REFER TO MECHANICAL FOR COORDINATION.

GENERAL DEMOLTION NOTES:

1. PROTECT AND PROPERLY STORE ANY DOORS TEMPORARILY REMOVED BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS COMPLETED.
2. ARCHITECTURAL DEMOLITION DWGS MUST BE READ IN CONJUNCTION WITH STRUC., MECH., AND ELEC. DEMOLITION DWGS. REFER TO STRUC., MECH., & ELEC. DEMOLITION DWGS FOR COORDINATION.
3. CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS.
4. CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
5. IN ALL EXISTING ROOMS RECEIVING NEW WORK, CAREFULLY REMOVE EXISTING WALL ART / POSTERS / BANNERS AND HAND BACK TO OWNER IN GOOD CONDITION.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING, REPAIRING, AND MAKING GOOD ALL HOLES OR DAMAGE DUE TO GENERAL DEMOLITION ON EXISTING EXPOSED MASONRY SURFACES TO REMAIN.
7. PROVIDE TEMPORARY WEATHER PROTECTION DURING ALL EXTERIOR REMOVALS / ROOF OR TO PROTECT WORK THAT IS EXPOSED TO THE WEATHER UNTIL PROTECTED ELEMENT IS IN COMPLETED STATE.
8. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK, AND SHALL INFORM THE OWNER'S REPRESENTATIVE OR THE ARCHITECT OF ANY DISCREPANCIES AFFECTING PROPER COMPLETION OF CONTRACT WORK.
9. CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL ELECTRICAL, MECHANICAL AND PLUMBING SERVICES THAT ARE TO REMAIN ACTIVE. THIS INCLUDES SCHEDULING ALL SHUT-DOWNS, DISCONNECTS, AND RECONNECTS OF ALL THOSE SERVICES.
10. PROVIDE NECESSARY TEMPORARY BRACING AND SHORING AS REQUIRED TO COMPLETE ALL WORK. COORDINATE WITH STRUC. CONSULTANT.
11. DEMOLITION CONTRACTOR IS RESPONSIBLE TO CAREFULLY REMOVE AND DISPOSE ALL FLOOR AND DRAINS INCLUDING PIPES AND ETC. AND MAKE ALL HOLES GOOD TO FILL WITH CONCRETE, MATCH TO EXISTING.
12. GENERAL CONTRACTOR TO COORDINATE SLAB CUTTING FOR NEW PIPING THROUGH EXISTING FLOOR SLABS WITH MECH. DWGS. LOCATION OF HOLES TO BE COORDINATED WITH STRUCTURAL DWGS.
13. ALL DEMO DRAWINGS ARE TO BE READ IN RELATION w/ EXISTING CONDITIONS.

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON L3V 0A8

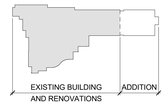
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Civil Consultant
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Landscape Consultant
Henry Kortekaas + Associates Inc. (HKLA)
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Tel: 905-839-5599



KEY PLAN
1 : 2000

Project North | True North

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6	Issued for Tender	2026 11 12
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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARANAN MONCARZ
LICENCE
6550

Drawing Title:
GROUND FLOOR ENLARGED PLAN & SECTIONS - EXISTING & DEMOLITION

Scale:	As indicated	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A204

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DEMOLITION (CEILING) NOTES

- **DC1** CAREFULLY REMOVE AND STORE EXISTING ACT TILES IN GOOD CONDITION FOR REUSE FOR DAMAGED CEILING TILES. REMOVE AND DISPOSE OF EXISTING CEILING GRIDS, ALL EXISTING CEILING FIXTURES, HVAC FIXTURES AND ANY ASSOCIATED DEVICES / COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO MECH. AND ELEC. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.
- **DC2** REMOVE AND DISPOSE OF EXISTING GB CEILING / BULKHEADS, GRIDS, HVAC FIXTURES AND ANY ASSOCIATED DEVICES / COMPONENTS AND EXISTING LIGHT FIXTURES. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO MECH. AND ELEC. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.
- **DC3** REMOVE AND DISPOSE OF EXISTING EXTERIOR SOFFIT AND ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, METAL FRAMING AND INSULATION. CLEAN REMINING SURFACES TO RECEIVE NEW WORK.
- **DC4** CAREFULLY REMOVE AND DISPOSE OF EXISTING INTERIOR LIGHT FIXTURES, EMERGENCY LIGHT FIXTURES AND EXIT SIGNS, IN PHASE 1. MAKE CEILING GOOD TO RECEIVE NEW LIGHTS AND OTHER ELECTRICAL FIXTURES AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION. GENERAL CONTRACTOR IS RESPONSIBLE TO FIX ANY DAMAGE TO EXISTING CEILING GRIDS DURING THIS WORK.
- **DC4a** SAME AS D4, BUT WORK TO BE DONE AFTER HOURS OR ON WEEKENDS WHEN BUILDING IS UNOCUPPIED.
- **DC5** REMOVE AND DISPOSE OF ALL EXISTING LIGHT FIXTURES, EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN PHASE 1. ALLOW FOR CUTTING AND PATCHING DRYWALL CEILING AS REQUIRED TO SUIT THE ELECTRICAIN'S WORK. PAINT AND MAKE CEILING GOOD TO RECEIVE NEW LIGHTS AND OTHER ELECTRICAL FIXTURES AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.
- **DC5a** SAME AS DC5, BUT WORK TO BE DONE AFTER HOURS OR ON WEEKENDS, WHEN BUILDING IS NOT OCCUPIED.
- **DC6** ALLOW FOR CUTTING AND PATCHING DRYWALL CEILING AS REQUIRED TO SUIT THE ELECTRICAIN'S WORK. PAINT AND MAKE CEILING GOOD AFTER ELECTRICAL WORK IS FINISHED. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.
- **DC7** REMOVE AND DISPOSE OF ALL EXISTING EXTERIOR LIGHT FIXTURES IN PHASE 1. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW LIGHTS AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.
- **DC8** REMOVE AND DISPOSE OF EXISTING CEILING HEATER, REFER TO ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.
- **DC9** REMOVE AND SALVAGE EXISTING CEILING TILES IN GOOD CONDITION TO BE INSTALLED LATER, REMOVE AND DISPOSE OF EXISTING CEILING GRID TO MAKE ROOM FOR REINFORCEMENT OF ROOF STRUCTURE. REFER TO STRUCT., ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

GENERAL CEILING DEMOLITION NOTES:

1. ARCHITECTURAL CEILING DEMOLITION DWGS MUST BE READ IN CONJUNCTION WITH STRUC., MECH. AND ELEC. DEMOLITION DWGS. REFER TO STRUC., MECH., & ELEC. DEMOLITION DWGS FOR COORDINATION.
2. CONTRACTOR TO ENSURE THAT THE PORTION OF THE CEILING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING, REPAIRING, AND MAKING GOOD ALL DAMAGES DUE TO GENERAL DEMOLITION ON EXISTING EXPOSED SURFACES TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK, AND SHALL INFORM THE OWNER'S REPRESENTATIVE OR THE ARCHITECT OF ANY DISCREPANCIES AFFECTING PROPER COMPLETION OF CONTRACT WORK.
5. CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL ELECTRICAL, MECHANICAL AND PLUMBING SERVICES THAT ARE TO REMAIN ACTIVE. THIS INCLUDES SCHEDULING ALL SHUT-DOWNS, DISCONNECTS, AND RECONNECTS OF ALL THOSE SERVICES.
6. ALL DEMO DRAWINGS ARE TO BE READ IN RELATION w/ EXISTING CONDITIONS AND REFERENCE PHOTOS.
7. CONTRACTOR TO ALLOW FOR REMOVAL AND RE-INSTALLATION OF APPROXIMATELY 25% OF EXISTING CEIILING TILES TO ACCOMMODATE ELECTRICAL AND MECHANICAL WORK. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED CEILING TILES DURING THIS PROCESS WITH NEW ONES. REFER TO MECH. AND ELECTRICAL DWG'S FOR SCOPE OF WORK AND COORDINATION.
8. CONTRACTOR IS RESPONSIBLE TO REPLACE EXISTING DAMAGED CEILING TILES WITH NEW ONES. CONTRACTOR TO INCLUDE IN BASE BID FOR REPLACEMENT OF 20% OF EXISTING TILES FOR THIS WORK. ANY UNUSED ACT TO BE HANDED OVER TO THE OWNER.

REFLECTED CEILING PLAN DEMOLITION LEGEND:

- AREAS RECEIVING WORK
- ITEMS TO BE REMOVED
- EXISTING WALLS TO REMAIN
- EXISTING GYPSUM BOARD CEILING TO REMAIN
- EXISTING ACT CEILING TO REMAIN



1 GROUND FLOOR REFLECTED CEILING PLAN - DEMOLITION
1 : 100

2 GROUND FLOOR REFLECTED CEILING ENLARGED PLAN - DEMOLITION
1 : 50

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON L3V 0A8

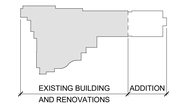
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ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
ROCHELLE MARIA NAVALTA BERGARA
LICENCE 6509

Drawing Title:
GROUND FLOOR CEILING PLAN - EXISTING AND DEMOLITION

Scale: As indicated	Date: NOV. 2025
Drawn by: NGH	Checked by: RM
Job No. **2502**	Drawing No. A205

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CEILING DEMOLITION NOTES

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DC2 REMOVE AND DISPOSE OF EXISTING GB CEILING / BULKHEADS, GRIDS, HVAC FIXTURES AND ANY ASSOCIATED DEVICES / COMPONENTS AND EXISTING LIGHT FIXTURES. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO MECH. AND ELEC. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

DC3 REMOVE AND DISPOSE OF EXISTING EXTERIOR SOFFIT AND ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, METAL FRAMING AND INSULATION. CLEAN REMINING SURFACES TO RECEIVE NEW WORK.

DC4 CAREFULLY REMOVE AND DISPOSE OF EXISTING INTERIOR LIGHT FIXTURES, EMERGENCY LIGHT FIXTURES AND EXIT SIGNS, IN PHASE 1. MAKE CEILING GOOD TO RECEIVE NEW LIGHTS AND OTHER ELECTRICAL FIXTURES AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION. GENERAL CONTRACTOR IS RESPONSIBLE TO FIX ANY DAMAGE TO EXISTING CEILING GRIDS DURING THIS WORK.

DC4a SAME AS D4, BUT WORK TO BE DONE AFTER HOURS OR ON WEEKENDS WHEN BUILDING IS UNOCUPPIED.

DC5 REMOVE AND DISPOSE OF ALL EXISTING LIGHT FIXTURES, EMERGENCY LIGHT FIXTURES AND EXIT SIGNS IN PHASE 1. ALLOW FOR CUTTING AND PATCHING DRYWALL CEILING AS REQUIRED TO SUIT THE ELECTRICAIN'S WORK. PAINT AND MAKE CEILING GOOD TO RECEIVE NEW LIGHTS AND OTHER ELECTRICAL FIXTURES AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.

DC5a SAME AS DC5, BUT WORK TO BE DONE AFTER HOURS OR ON WEEKENDS, WHEN BUILDING IS NOT OCCUPIED.

DC6 ALLOW FOR CUTTING AND PATCHING DRYWALL CEILING AS REQUIRED TO SUIT THE ELECTRICAIN'S WORK. PAINT AND MAKE CEILING GOOD AFTER ELECTRICAL WORK IS FINISHED. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.

DC7 REMOVE AND DISPOSE OF ALL EXISTING EXTERIOR LIGHT FIXTURES IN PHASE 1. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW LIGHTS AT THE SAME LOCATIONS. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK AND COORDINATION.

DC8 REMOVE AND DISPOSE OF EXISTING CEILING HEATER. REFER TO ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

DC9 REMOVE AND SALVAGE EXISTING CEILING TILES IN GOOD CONDITION TO BE INSTALLED LATER. REMOVE AND DISPOSE OF EXISTING CEILING GRID TO MAKE ROOM FOR REINFORCEMENT OF ROOF STRUCTURE. REFER TO STRUCT., ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

FLOOR PLAN DEMOLITION NOTES

D1 DEMOLITION CONTRACTOR TO REMOVE EXISTING VINYL SHEET/VCT FLOORING AND MECHANICALLY REMOVE ADHESIVES TO A SMOOTH SURFACE READY TO RECEIVE A SKIM COAT. FLOOR CONTRACTOR TO SUBSEQUENTLY APPLY A SKIM COAT OF CEMENTITIOUS TOPPING (AS REQUIRED) TO ENCAPSULATE REMAINING ADHESIVE AND FURTHER MAKE SMOOTH FOR APPLICATION OF SPECIFIED FLOOR FINISH. REFER TO FLOOR FINISH PLAN DWGS FOR NEW FLOOR FINISHES.

D2 CAREFULLY REMOVE AND DISPOSE OF EXISTING EXTERIOR WINDOW/CURTAIN WALL, C/W ROLLER BLINDS AND ANY ASSOCIATED COMPONENT. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL, TO BE TIED INTO NEW WINDOW/CURTAIN WALL FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D2a SAME AS D2, BUT WORK TO BE DONE AFTER HOURS OR DURING WEEKENDS WHEN UNOCCUPIED.

D3 REMOVE AND DISPOSE EXISTING MASONRY WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, LINTELS, BEAMS AND ANY ASSOCIATED STRUCTURAL COMPONENTS (AS REQUIRED). PATCH AND FILL IN REMAINING CONCRETE BLOCK, HOLES AND / OR MASONRY ROUGH SURFACES WITH CEMENTATION MATERIAL AND MAKE SMOOTH TO RECEIVE NEW WORK. REFER TO STRUC., ELEC. & MECH. DWG'S FOR SCOPE OF WORK AND COORDINATION.

D4 CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (FULL HEIGHT) INCLUDING CAVITY WALL THRU-WALL FLASHING, INSULATION, AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE BRICK AND CMU-DEC FOR REUSE. REFER TO STRUC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4a CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING, INCLUDING EXISTING LINTEL, CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK (SEE 4/A204). CAREFULLY REMOVE AND SALVAGE EXISTING EXTERIOR CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4b CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED FOR 2400 HIGH DOOR) FOR NEW DOOR AND ACCESS OPENING AND MECHANICAL LOUVER, INCLUDING CAVITY-WALL FLASHING, INSULATION, EXTERIOR AND INTERIOR BLOCK. KEEP EXISTING LINTEL IN PLACE (SEE 3/A204). CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW DOOR FRAME. REFER TO STRUCTURAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D4c CAREFULLY REMOVE PART OF EXISTING EXTERIOR WALL ASSEMBLY (AS REQUIRED) FOR A NEW MECH. LOUVER, INCLUDING, INSULATION, EXTERIOR AND INTERIOR BLOCK. CAREFULLY REMOVE AND SALVAGE CMU-DEC FOR REUSE. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE ON EXISTING INSULATION AND VAPOUR BARRIER (AS REQUIRED) TO TIE IN TO NEW LOUVER FRAME. REFER TO STRUCTURAL AND MECH. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D5 REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D5a REMOVE AND DISPOSE EXISTING DOOR AND FRAME COMPLETE WITH ASSOCIATED COMPONENTS. KEEP LINTEL IN PLACE. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK. REFER TO STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D5b REMOVE AND DISPOSE OF EXISTING OVERHEAD DOOR AND ALL ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, TRACK AND MOTOR. KEEP LINTEL IN PLACE. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D6 REMOVE AND DISPOSE EXISTING GB WALL ASSEMBLY (FULL HEIGHT), COMPLETE WITH ANY ASSOCIATED COMPONENTS. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D7 REMOVE EXISTING WALL BASE. MAKE GOOD AFFECTED SURFACES FOR NEW WALL BASE INSTALLATION.

D8 GENERAL CONTRACTOR TO CUT, REMOVE, AND DISPOSE OF EXISTING SLAB ON GRADE, VAPOUR BARRIER, GRAVEL, AND ANY ASSOCIATED COMPONENTS INCLUDING, BUT NOT LIMITED TO, FLOOR FINISHES AND WALL BASES (AS REQUIRED) FOR SLAB ON GRADE THICKENING UNDER NEW CMU WALL OR FOR RUNNING NEW MECHANICAL SERVICES. GENERAL CONTRACTOR TO MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW SLAB ON GRADE MATCHING EXISTING. REFER TO STRUCTURAL AND MECH. DWGS FOR DEMOLITION SCOPE OF WORK AND COORDINATION.

D9 REMOVE AND DISPOSE EXISTING MOP SINK/EYE WASH AND ALL ASSOCIATED PLUMBING. CUT AND CAP ALL DRAINS. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW FLOORING.

D9a REMOVE AND RESTORE WASHING/DRYER MACHINES TO BE RE-INSTALLED IN NEW LOCATION.

D9b REMOVE AND DISPOSE ALL EXISTING WASHING/DRYER MACHINE ASSOCIATED PLUMBING/DUCT WORK. CUT AND CAP ALL DRAINS. CONTRACTOR IS RESPONSIBLE TO CLOSE EXHAUST OPENING IN WALL AND PATCH INTERIOR CMU WALL. REFER TO MECH. AND ELEC. DWGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES.

D10 REMOVE AND DISPOSE OF EXISTING ELECTRICAL PANEL AND ANY ASSOCIATED COMPONENETS. REFER TO ELECT. DWG'S FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D11 CAREFULLY REMOVE METAL SHELVES, AND STOCKPILE FOR RE-INSTALLATION. CONTRACTOR TO RELOCATE EXISTING METAL SHELVES IN NEW EQUIPMENT STORAGE ROOM.

D12 REMOVE AND DISPOSE EXISTING MILLWORK, PATCH AND FILL EXISTING REMAINING WALLS (AS REQUIRED). REFER TO ELEC. AND MECH. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION. MAKE GOOD ALL AFFECTED SURFACES TO RECEIVE NEW WORK.

D13 REMOVE AND DISPOSE OF EXISTING RECESSED CABINET HEATER AND INFILL THE HOLE WITH BLOCK. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING AFFECTED SURFACES AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D14 CAREFULLY REMOVE AND SALVAGE EXISTING MECH. ROOM LOUVER TO BE INSTALLED AGAIN AFTER MECHANICAL EQUIPMENT HAS BEEN INSTALLED. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING THRU-WALL FLASHING, INSULATION AND VAPOUR BARRIER AS A RESULT OF THIS REMOVAL, TO BE TIED INTO RE-INSTATED LOUVER FRAME. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW WORK.

D15 CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND MAKE READY TO REINSTALL LOUVER. (REFER TO DETAILS 6&7 ON A203)

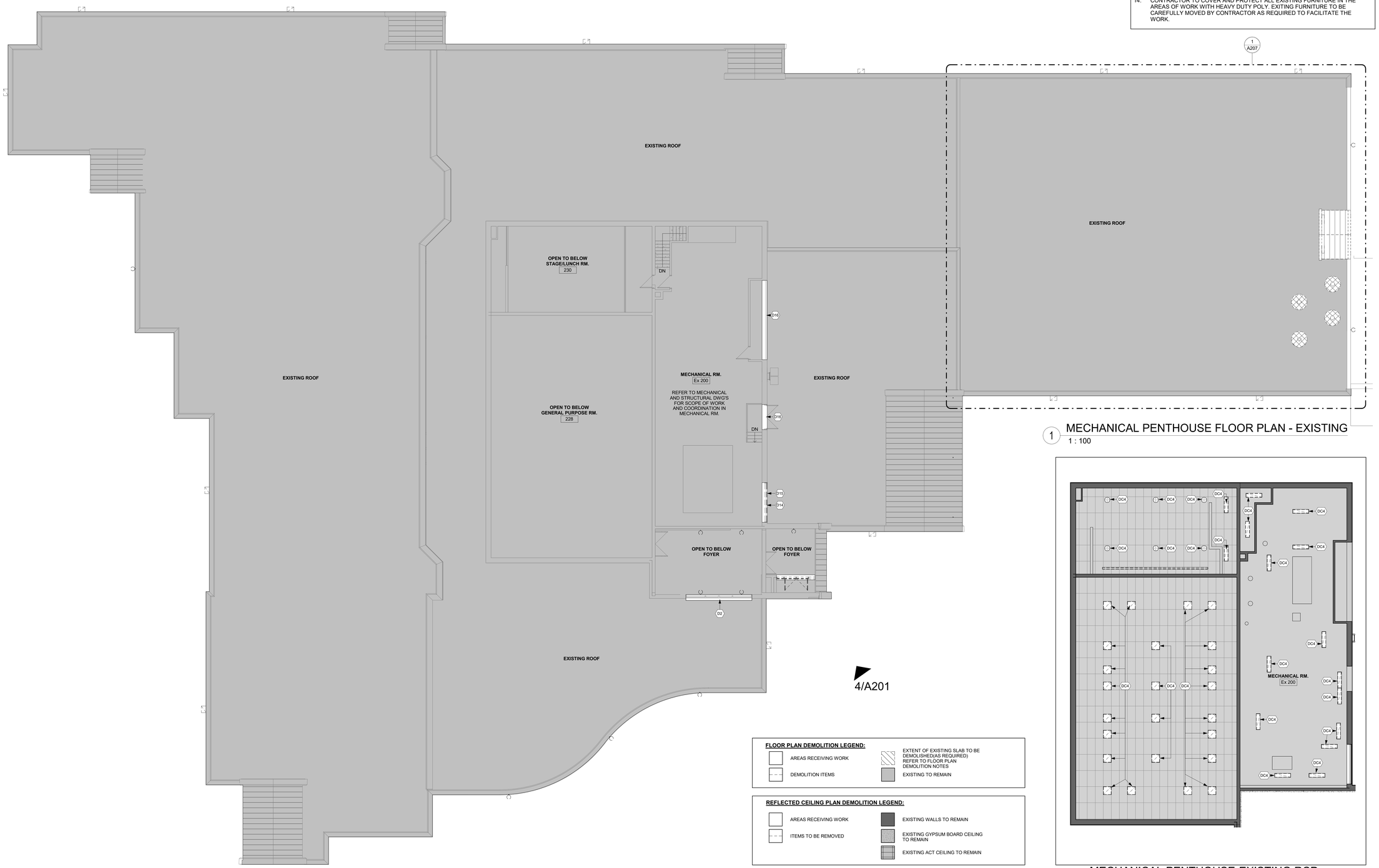
D16 REMOVE EXISTING DOOR/LOUVER, CLEAN STEEL LINTEL FROM CORROSION (REPLACE WITH NEW STEEL LINTEL IF REQUIRED), APPLY INTUMESCENT PAINT AND REINSTALL DOOR/LOUVER.

D17 REMOVE AND DISPOSE OF EXISTING GAS METER ENCLOSURE AND ITS CONCRETE PAD. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING PAVEMENT AS THE RESULT OF THIS REMOVAL. MAKE GOOD AFFECTED SURFACES. REFER TO MECHANICAL AND STRUCTURAL DWG'S FOR SCOPE OF WORK AND COORDINATION.

D18 EXISTING RAINWATER LEADER TO REMAIN. REFER TO MECHANICAL FOR COORDINATION.

GENERAL DEMOLITION NOTES:

1. PROTECT AND PROPERLY STORE ANY DOORS TEMPORARILY REMOVED BY CONTRACTOR TO FACILITATE CONSTRUCTION ACTIVITIES. REINSTATE AFTER CONSTRUCTION IS COMPLETED.
2. ARCHITECTURAL DEMOLITION DWGS MUST BE READ IN CONJUNCTION WITH STRUC., MECH., AND ELEC. DEMOLITION DWGS. REFER TO STRUC., MECH., & ELEC. DEMOLITION DWGS FOR COORDINATION.
3. CONTRACTOR TO FILL IN AND FINISH HOLES LEFT ON THE FLOORS OR WALLS AFTER DEMOLITION TO MATCH WITH EXISTING SURROUNDING MATERIALS.
4. CONTRACTOR TO ENSURE THAT THE PORTION OF THE BUILDING BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
5. IN ALL EXISTING ROOMS RECEIVING NEW WORK, CAREFULLY REMOVE EXISTING WALL ART / POSTERS / BANNERS AND HAND BACK TO OWNER IN GOOD CONDITION.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING, REPAIRING, AND MAKING GOOD ALL HOLES OR DAMAGE DUE TO GENERAL DEMOLITION ON EXISTING EXPOSED MASONRY SURFACES TO REMAIN.
7. PROVIDE TEMPORARY WEATHER PROTECTION DURING ALL EXTERIOR REMOVALS / ROOF OR TO PROTECT WORK THAT IS EXPOSED TO THE WEATHER UNTIL PROTECTED ELEMENT IS IN COMPLETED STATE.
8. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK, AND SHALL INFORM THE OWNER'S REPRESENTATIVE OR THE ARCHITECT OF ANY DISCREPANCIES AFFECTING PROPER COMPLETION OF CONTRACT WORK.
9. CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL ELECTRICAL, MECHANICAL AND PLUMBING SERVICES THAT ARE TO REMAIN ACTIVE. THIS INCLUDES SCHEDULING ALL SHUT-DOWNS, DISCONNECTS, AND RECONNECTS OF ALL THOSE SERVICES.
10. PROVIDE NECESSARY TEMPORARY BRACING AND SHORING AS REQUIRED TO COMPLETE ALL WORK. COORDINATE WITH STRUC. CONSULTANT.
11. DEMOLITION CONTRACTOR IS RESPONSIBLE TO CAREFULLY REMOVE AND DISPOSE ALL FLOOR AND DRAINS INCLUDING PIPES AND ETC, AND MAKE ALL HOLES GOOD TO FILL WITH CONCRETE MATCH TO EXISTING.
12. GENERAL CONTRACTOR TO COORDINATE SLAB CUTTING FOR NEW PIPING THROUGH EXISTING FLOOR SLABS WITH MECH. DWGS. LOCATION OF HOLES TO BE COORDINATED WITH STRUCTURAL DWGS.
13. ALL DEMO DRAWINGS ARE TO BE READ IN RELATION w/ EXISTING CONDITIONS.
14. CONTRACTOR TO COVER AND PROTECT ALL EXISTING FURNITURE IN THE AREAS OF WORK WITH HEAVY DUTY POLY. EXITING FURNITURE TO BE CAREFULLY MOVED BY CONTRACTOR AS REQUIRED TO FACILITATE THE WORK.



1 MECHANICAL PENTHOUSE FLOOR PLAN - EXISTING
1 : 100

2 MECHANICAL PENTHOUSE-EXISTING RCP
1 : 100

FLOOR PLAN DEMOLITION LEGEND:

- AREAS RECEIVING WORK
- DEMOLITION ITEMS
- EXTENT OF EXISTING SLAB TO BE DEMOLISHED(AS REQUIRED) REFER TO FLOOR PLAN DEMOLITION NOTES
- EXISTING TO REMAIN

REFLECTED CEILING PLAN DEMOLITION LEGEND:

- AREAS RECEIVING WORK
- ITEMS TO BE REMOVED
- EXISTING WALLS TO REMAIN
- EXISTING GYPSUM BOARD CEILING TO REMAIN
- EXISTING ACT CEILING TO REMAIN

Simcoe Muskoka Catholic District School Board

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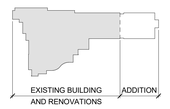
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ONTARIO ASSOCIATION OF ARCHITECTS — ROCHELLE MARTHA HALL-DONOVAN — LICENCE 8508

Drawing Title:
MECHANICAL PENTHOUSE FLOOR PLAN & RCP - EXISTING & DEMOLITION

Scale:	As indicated	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	2502	Drawing No.	A206



1 ROOF PLAN - EXISTING & DEMOLITION
1 : 100

ROOF DEMOLITION NOTES:

1. ARCHITECTURAL DEMOLITION DWGS MUST BE READ IN CONJUNCTION WITH STRUC., MECH., AND ELEC. DEMOLITION DWGS. REFER TO STRUC., MECH., & ELEC. DEMOLITION DWGS FOR COORDINATION.
2. CONTRACTOR TO ENSURE THAT THE PORTION OF THE ROOF BEING RETAINED IS HANDED BACK TO THE OWNER (ON COMPLETION OF CONSTRUCTION) IN A CONDITION SIMILAR TO EXISTING CONDITION OR BETTER. THIS REQUIREMENT INCLUDES PROVISION OF ALL NECESSARY PROTECTIVE MEASURES LIKE SECURITY, PROTECTION FROM THE ELEMENTS AND WEATHER, HEATING / DEHUMIDIFICATION AS NECESSARY, ETC.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY PATCHING, REPAIRING, AND MAKING GOOD ALL HOLES OR DAMAGE DUE TO GENERAL DEMOLITION ON EXISTING ROOF TO REMAIN.
4. PROVIDE TEMPORARY WEATHER PROTECTION DURING ALL EXTERIOR REMOVALS / ROOF OR TO PROTECT WORK THAT IS EXPOSED TO THE WEATHER UNTIL PROTECTED ELEMENT IS IN COMPLETED STATE.
5. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE WORK, AND SHALL INFORM THE OWNERS REPRESENTATIVE OR THE ARCHITECT OF ANY DISCREPANCIES AFFECTING PROPER COMPLETION OF CONTRACT WORK.
6. ALL DEMO DRAWINGS ARE TO BE READ IN RELATION w/ EXISTING CONDITIONS.

ROOF PLAN DEMOLTION LEGEND:

- AREAS RECEIVING WORK
- DEMOLITION ITEMS
- EXISTING TO REMAIN
- EXTENT OF EXISTING ROOFING TO BE REMOVED (AS REQUIRED) REFER TO ROOF PLAN DEMOLITION NOTES

DEMOLITION (ROOF) NOTES

DR1 REMOVE, AND DISPOSE OF EXISTING SLOPED METAL ROOFING STRUCTURE. COMPLETE WITH CMU CURBS AROUND IT AND OTHER COMPONENTS (AS REQUIRED), SUCH AS (BUT NOT LIMITED TO) JOISTS AND STRUCTURAL ITEMS. REFER TO STRUCTURAL DRAWINGS FOR FRAMING SUPPORTS AND ENCLOSURE MEMBERS. REFER TO STRUCTURAL, MECH., AND ELEC. DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

DR2 REMOVE, AND DISPOSE OF EXISTING ROOFING SYSTEM, DOWN TO EXISTING ROOF WOOD UNDERLAY BOARD, COMPLETE WITH OTHER COMPONENTS (AS REQUIRED). CLEAN ROOF WOOD UNDERLAY BOARD SURFACE WITH PROPER TREATMENT MATERIALS TO RECEIVE NEW MEMBRANE AND ROOFING SYSTEM TO MATCH EXISITNG AS INDICATED ON DRAWING 1/A210. REFER TO MECHANICAL DRAWINGS FOR DEMOLITION SCOPE AND COORDINATION.

DR3 CAREFULLY CUT, REMOVE AND DISPOSE OF PART OF EXISTING ROOF UNDERLAY BOARD AND METAL DECK, COMPLETE WITH ALL ASSOCIATED COMPONENTS (AS REQUIRED) FOR INSTALLATION OF NEW MECHANICAL DUCT/EQUIPMENT. REFER TO STRUCTURAL AND MECHANICAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION.

DR4 REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT ON ROOF AND ALL ASSOCIATED COMPONENTS. PATCH EXISTING OPENING IN ROOF CONC. SLAB AND ROOFING SYSTEM TO MATCH EXISTING AS INDICATED ON DRAWING 1/A210. REFER TO STRUCTURAL AND MECHANICAL DWG'S FOR DEMOLITION SCOPE AND COORDINATION.

Simcoe Muskoka Catholic District School Board

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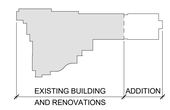
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KEY PLAN
1 : 2000

Project North | True North

No.	Revisions	Date
6	Issued for Tender	2026 11 12
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4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	ISSUED FOR SPA	2025 11 14
No	Revision	Date

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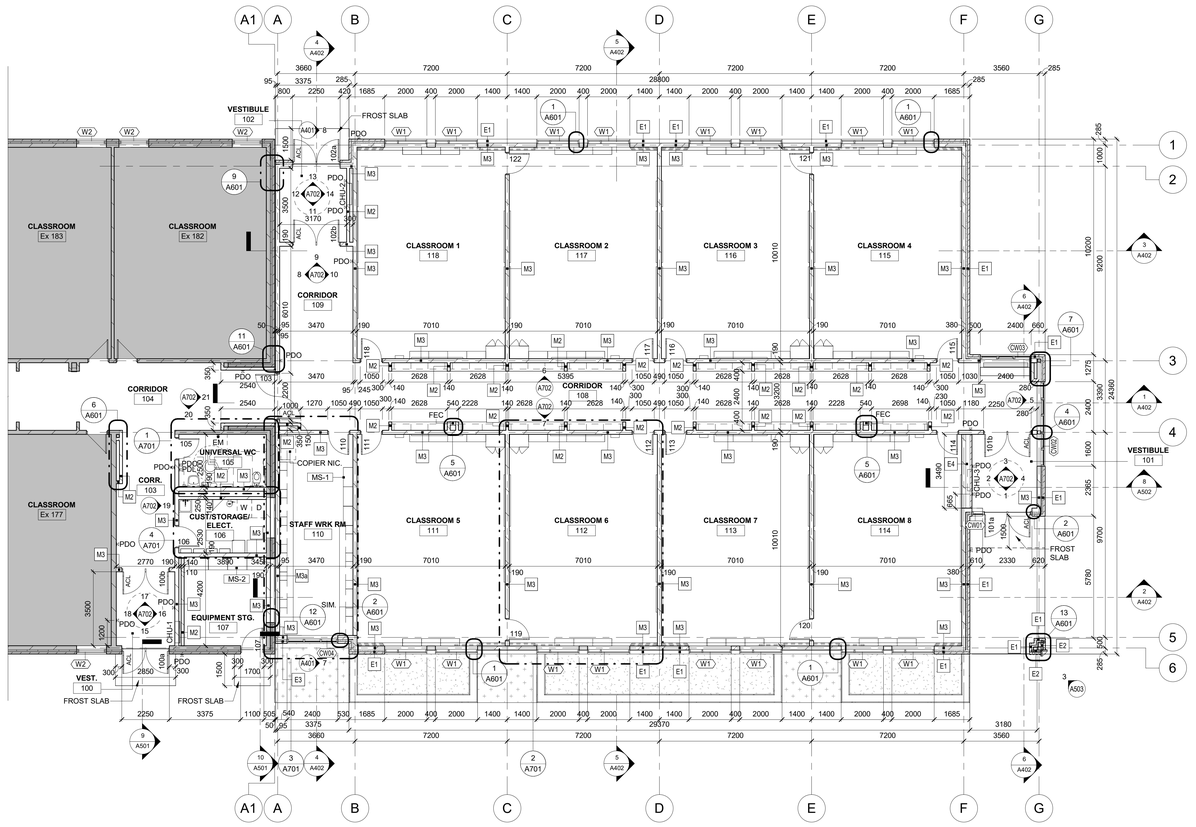
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ROCHELLE MARIA RUIZ GOMEZ
LICENCE 6559

Drawing Title:

ROOF PLAN - EXISTING AND DEMOLTION

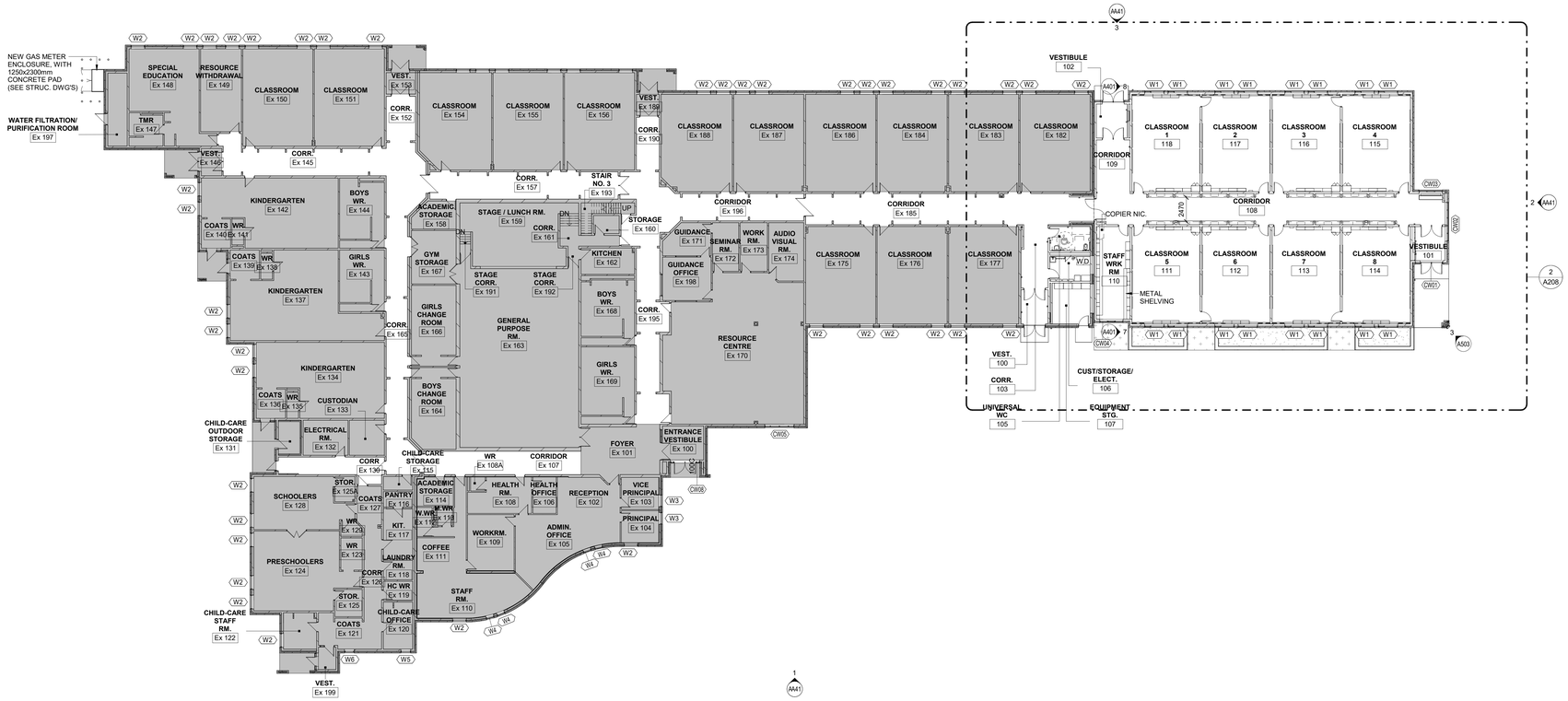
Scale:	As indicated	Date:	Nov. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A207

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2 GROUND FLOOR PLAN - NEW WORK

1 : 100



1 GROUND FLOOR PLAN - LAYOUT

1 : 200

EXTERIOR WALL TYPES

NOTES:
1. REFER TO EXTERIOR ELEVATIONS FOR EXTERIOR CLADDING COLOUR LOCATIONS (-#)
2. ALL EXTERIOR WALL TYPES ARE INSTALLED ON M3 - 190mm CMU BACKUP UNLESS NOTED OTHERWISE ON THE PLANS OR SECTIONS

E1 — 90mm BRICK
25mm AIR CAVITY
75mm FOAMED-IN-PLACE INSUL. (INS-FIP-1)

E2 — 90mm BRICK (ACCENT PATTERN)
25mm AIR CAVITY
75mm FOAMED-IN-PLACE INSUL. (INS-FIP-1)

E3 — 90mm CMU-DEC-#
25mm AIR CAVITY
75mm FOAMED-IN-PLACE INSUL. (INS-FIP-1)
SEE ELEVATION FOR BOND PATTERN AND COLOR

E4 — 90mm BRICK
200mm AIR CAVITY
190mm CMU

MASONRY WALL TYPES

NOTES:
1. ALL CMU TO BE M3 - 190mm UNLESS NOTED OTHERWISE ON THE PLANS OR SECTIONS.
2. REFER TO FIRE PROTECTION SCHEDULE FOR FRR AND FIRE PROTECTION AT ALL FIRE RATED WALL ASSEMBLIES. CMU AND BRICK AS PER **OBC SB-2.1.1.**

M1 — 90mm CMU

M2 — 140mm CMU

M3 — 190mm CMU

M3a — 190mm CMU
2HR FIRE RATED FIRE WALL

M4 — 240mm CMU

M5 — 290mm CMU

STUD WALL PARTITION TYPES

NOTES:
1. PROVIDE ENGINEERED DRAWINGS FOR LSF WHERE NOTED. ALSO REFER TO STRUCTURAL DRAWING. INCREASE STUD SIZE AS REQUIRED.
2. PROVIDE LIGHT GAUGE ANGLES AND Z-GIRTS AS REQUIRED FOR ATTACHMENT TO STRUCTURE SLAB OR STEEL.
3. REFER TO FIRE PROTECTION SCHEDULE FOR FRR AND FIRE PROTECTION AT ALL FIRE RATED WALL ASSEMBLIES. GYPSUM WALL ASSEMBLIES AS PER **CAN / ULC - S101 DESIGN NO. U419; cUL #W446 SYSTEM F/ #U420**

P1 — 13mm GB-LWT-2
92mm METAL STUDS @400mm O.C.

FOUNDATION WALL TYPES

NOTES:
* AT ALL EXPOSED LOCATION PROVIDE CMU-DEC-1 U.N.O. (-#)
** REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL FOUNDATION WALL & FOOTING SIZE.

140mm CMU/ CMU-DEC-1* U.N.O.
40mm INS-RB-1 (800mm MIN)
CMU (REFER TO STRUCTURAL DWG'S)
SEE DETAILS

CONSTRUCTION NOTES:

1. ALL PARTITION TO GO TO U/S OF SLAB OR DECK UNO. SEE TYPICAL DETAIL.
2. MASONRY CONTROL JOINTS:
   a) EXTERIOR VENEER: SEE ELEVATIONS
   b) EXTERIOR CORE: SEE STRUCTURAL
   c) INTERIOR LOAD BEARING: PROVIDE CONTROL JOINT ON BOTH SIDE OF OPENING TYP. REFER TO STRUCTURAL FOR ADDITIONAL JOINTS.
   d) INTERIOR NON LOAD BEARING: PROVIDE CONTROL JOINT ON BOTH SIDE OF OPENING TYP.
   e) PROVIDE CONTROL JOINT AT 7m MAX.
   f) PROVIDE CONTROL JOINTS AT NON-LOAD BEARING PARTITIONS CONNECTIONS TO LOAD BEARING WALLS.
3. ALL STEEL IN EXTERIOR WALLS TO BE GALVANIZED.
4. ALL EXTERIOR DIMENSION SHOWN ON PLANS AS MASONRY OPENING. (ROUGH OPENING).
5. WHERE MASONRY LINTELS ARE NOT PROVIDED ABOVE DOORS & SCREENS, PROVIDE GYPSUM BOARD PARTITION TO U/S OF STRUCTURE.(FIRE RATING TO MATCH WALL).
6. GROUT BLOCK WALL SOLID TO 600mm HIGH AT ALL BENCH LOCATIONS.
7. PROVIDE CONTINUOUS ACOUSTIC SEAL AT TOP OF PARTITION WALLS.
8. AT MOP SINKS, FILL GAP BETWEEN SINK & WALL WITH MORTAR TYP.
9. TYPICAL CHASE TO BE **M2** CMU UNLESS NOTED OTHERWISE.
10. PROVIDE CONCRETE FROST SLAB MIN. 2% SLOPE AWAY FROM BUILDING FRONT OF ALL EXTERIOR DOORS TYPICAL. SEE STRUCTURAL DRAWINGS.
11. REFER TO SITE PLAN A100 & CIVIL FOR WEEPING TILE LOCATION AND CONNECTION TO EXTERIOR STORM NETWORK.
12. BULLNOSE ALL CMU EXPOSED CORNERS, TYP.

PLAN LEGEND:

AREAS RECEIVING WORK

EXISTING AREAS TO REMAIN

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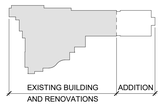
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KEY PLAN
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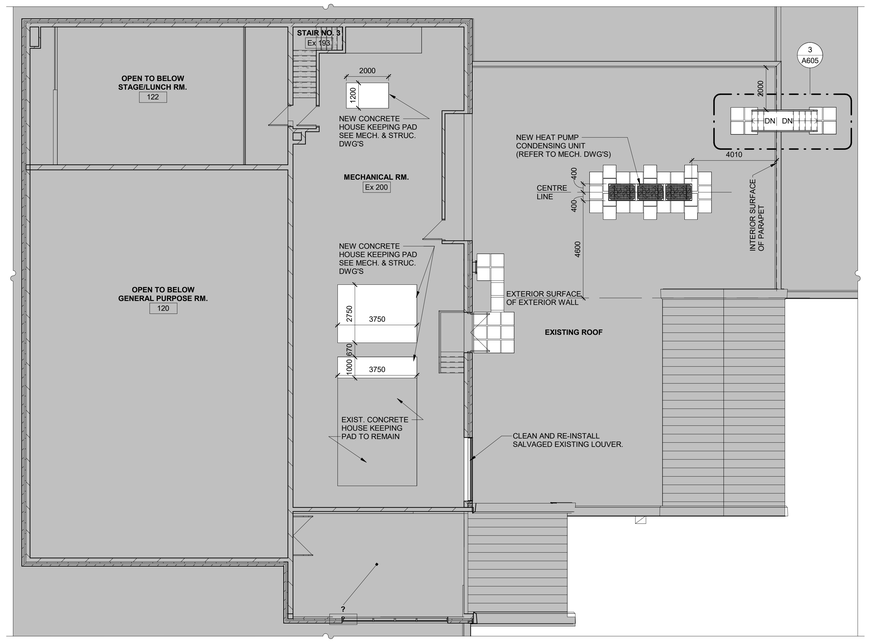
ONTARIO ASSOCIATION OF ARCHITECTS — ROCHELLE MANOVALIN MONGAYE — LICENCE 6559

Drawing Title:

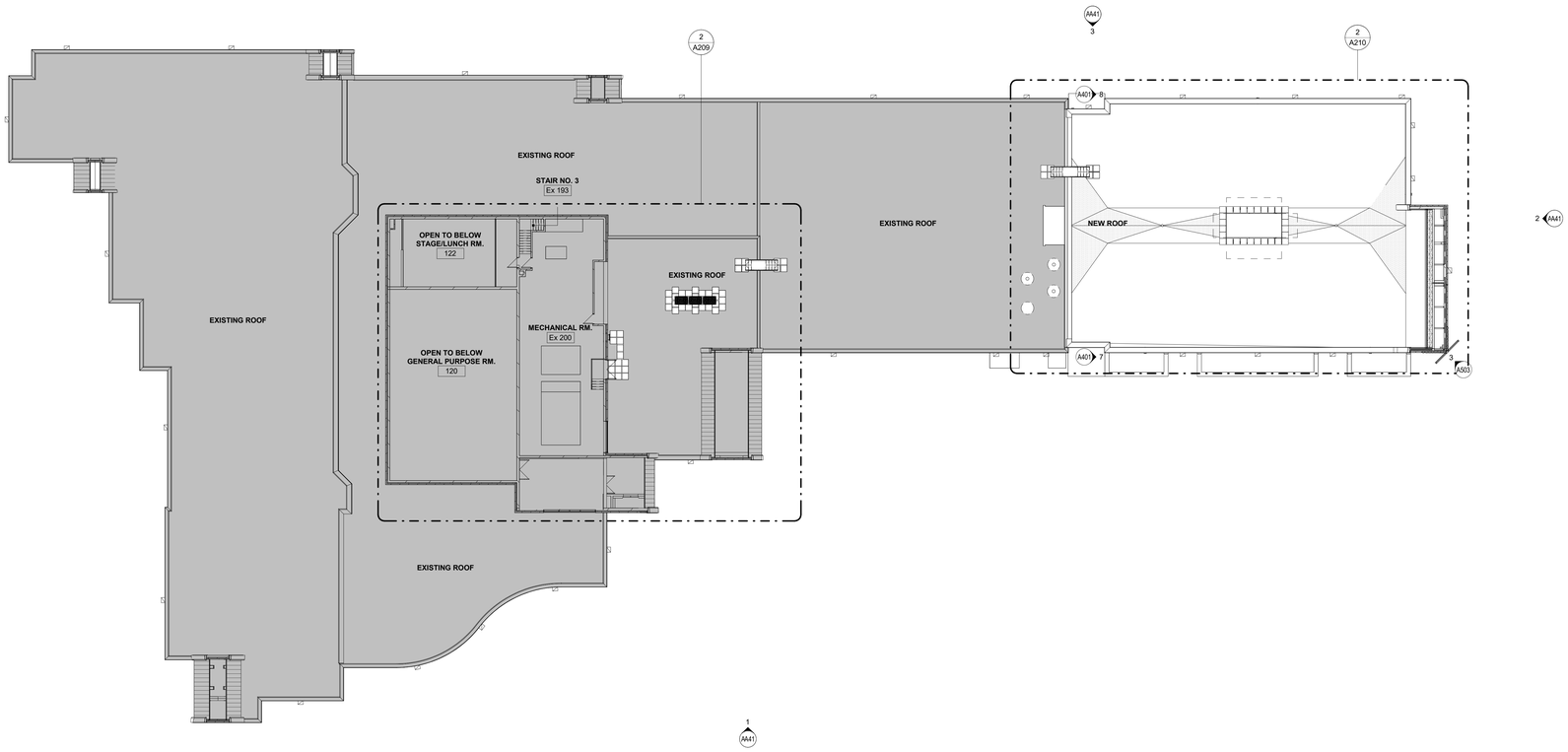
GROUND FLOOR PLAN - ADDITION

Scale:	1 : 100	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	2502	Drawing No.	A208

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2 SECOND FLOOR - NEW WORK
1 : 100



1 SECOND FLOOR - LAYOUT
1 : 200

PLAN LEGEND:

- AREAS RECEIVING WORK
- EXISTING AREAS TO REMAIN

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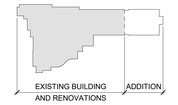
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KEY PLAN
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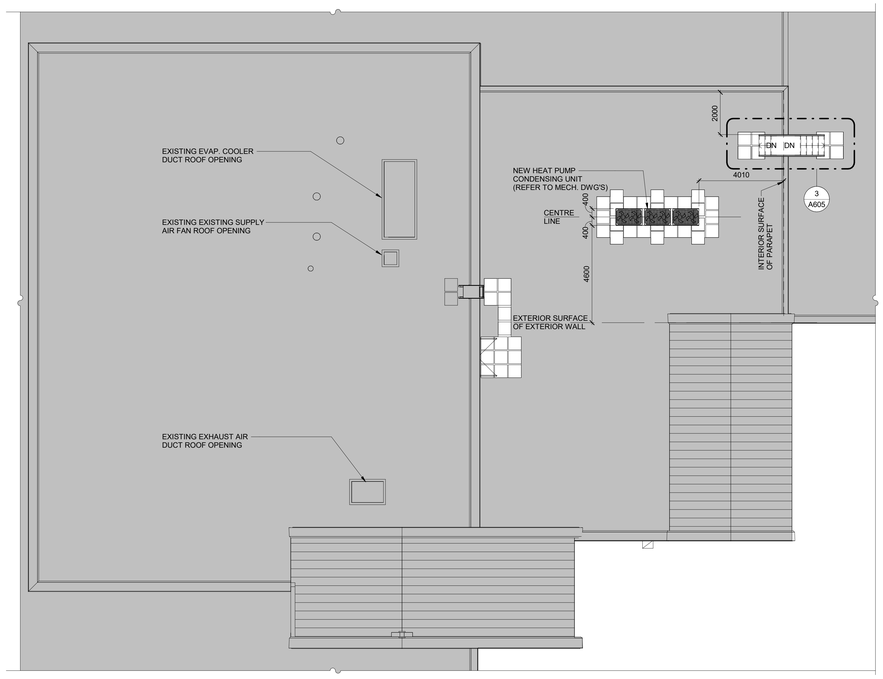
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ROCHELLE MARIVALY MONCAYO
LICENCE 6659

Drawing Title:

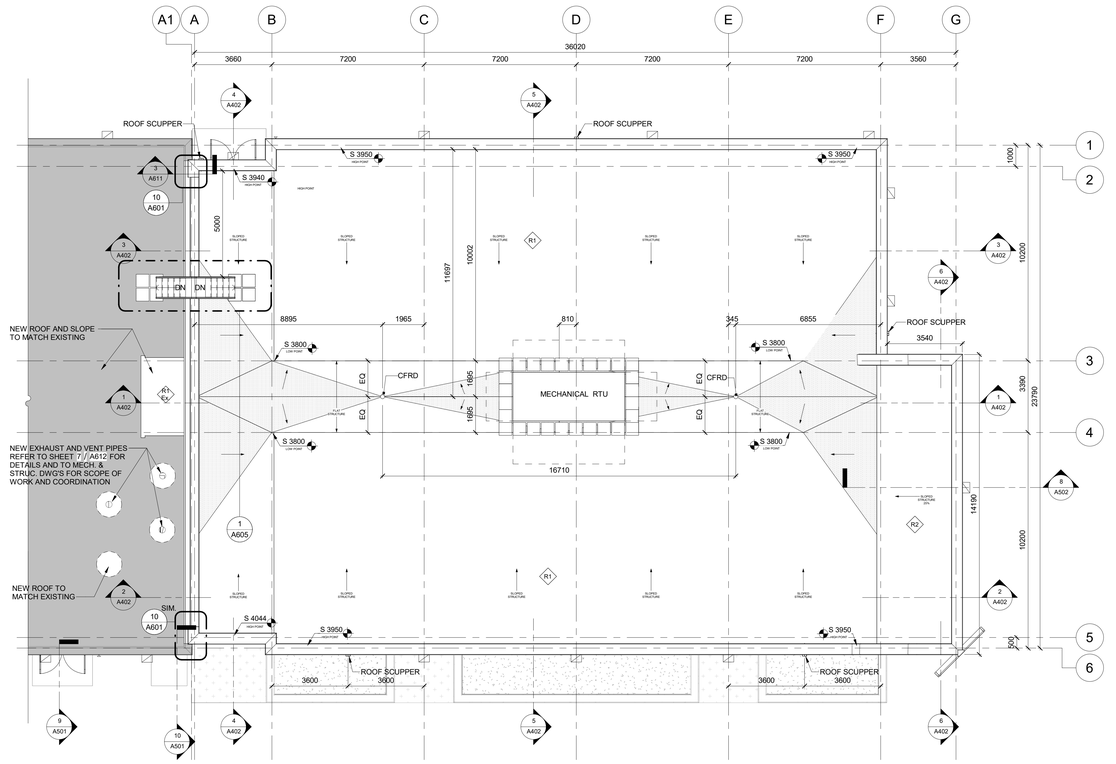
SECOND FLOOR PLAN - ADDITION

Scale:	1 : 100	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A209

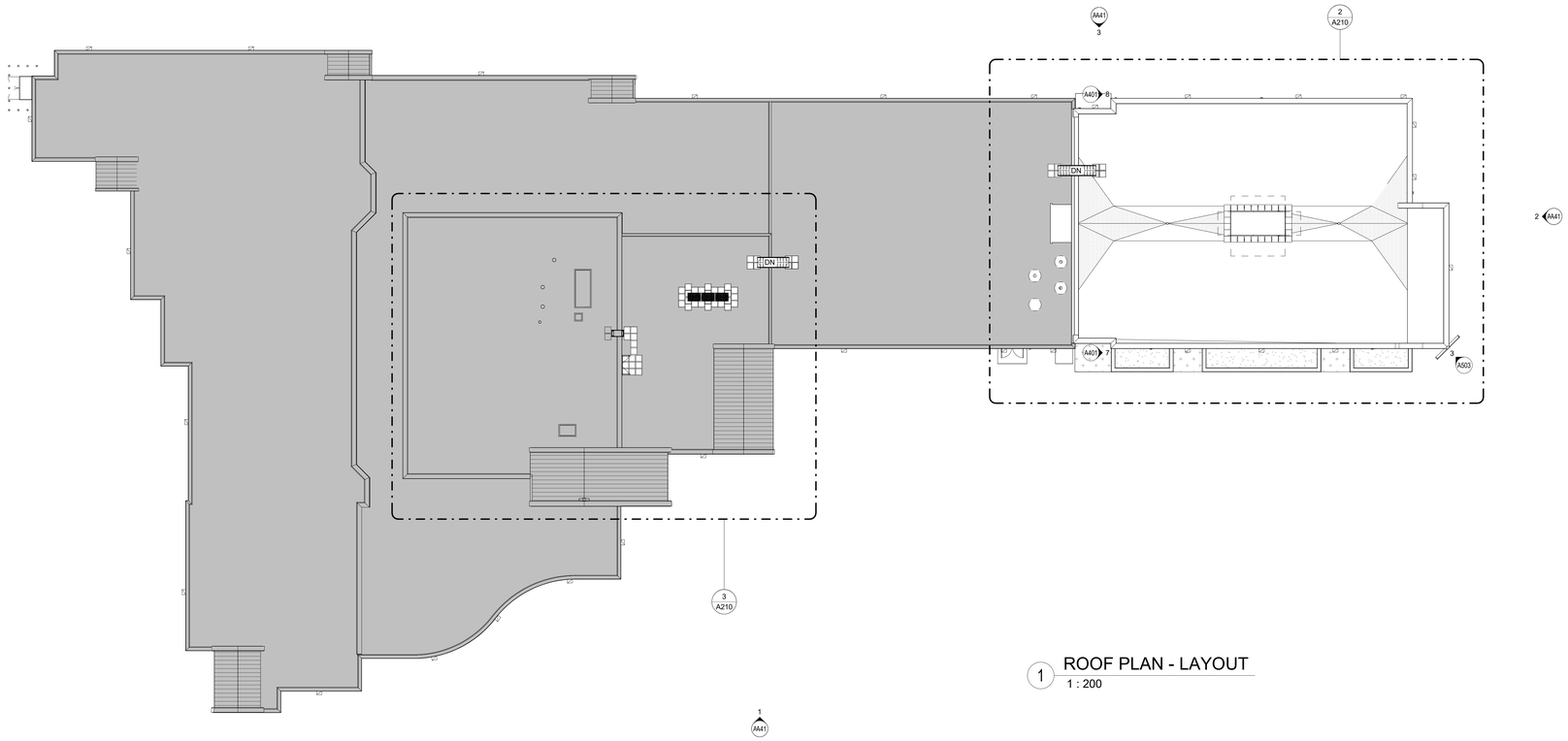
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3 ROOF PLAN - EXISTING
1 : 100



2 ROOF PLAN - NEW WORK
1 : 100



1 ROOF PLAN - LAYOUT
1 : 200

ROOF TYPES

R1 -ASPHALT AND GRAVEL SURFACING
-2PLY MODIFIED BITUMEN MEMBRANE FLASHING (BASE & CAP MOPPED IN SEBS ASPHALT)
-4PLY GLASS FELT MEMBRANE AND 1 PLY ASPHALT FELT MEMBRANE (MOPPED)
-OVERLAY PROTECTION BOARD 12.7mm (MOPPED)
-TAPERED INSULATION CRICKETS (MOPPED)
-TAPERED INSULATION SUMPS (MOPPED)
-BASE INSULATION 100mm (2LAYERS OF 50mm MOPPED)
-TWO PLY No.15 FELT VAPOR CONTROL LAYER (MOPPED)
-GLASS FACED GYPSUM SHEATHING (MECHANICALLY FASTENED)
STEEL METAL DECK

R1 EX -ASPHALT AND GRAVEL SURFACING
-2PLY MODIFIED BITUMEN MEMBRANE FLASHING (BASE & CAP MOPPED IN SEBS ASPHALT)
-4PLY GLASS FELT MEMBRANE AND 1 PLY ASPHALT FELT MEMBRANE (MOPPED)
-OVERLAY PROTECTION BOARD 12.7mm (MOPPED)
-TAPERED INSULATION CRICKETS (MOPPED)
-TAPERED INSULATION SUMPS (MOPPED)
-BASE INSULATION 100mm (2LAYERS OF 50mm MOPPED)
-TWO PLY No.15 FELT VAPOR CONTROL LAYER (MOPPED)
-CONC. SLAB OR GLASS FACED GYPSUM SHEATHING (MECHANICALLY FASTENED TO) EXISTING METAL DECK

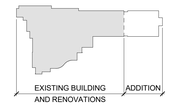
R2 -ASPHALT AND GRAVEL SURFACING
-2PLY MODIFIED BITUMEN MEMBRANE FLASHING (BASE & CAP MOPPED IN SEBS ASPHALT)
-4PLY GLASS FELT MEMBRANE AND 1 PLY ASPHALT FELT MEMBRANE (MOPPED)
-OVERLAY PROTECTION BOARD 12.7mm (MOPPED)
-BASE INSULATION 100mm (2LAYERS OF 50mm MOPPED)
-TWO PLY No.15 FELT VAPOR CONTROL LAYER (MOPPED)
-GLASS FACED GYPSUM SHEATHING (MECHANICALLY FASTENED)
STEEL METAL DECK

ROOF PLAN LEGEND

- TAPERED INSULATION (MIN 2% SLOPE)
- P #### TOP OF PARAPET ELEVATION
- S #### UNDERSIDE OF METAL ROOF DECK ELEVATION
- INDICATES SLOPE
- CFRD CONTROL FLOW ROOF DRAIN
- ROOF PAVER REFER TO DETAILS
- AREAS RECEIVING WORK
- EXISTING TO REMAIN

ROOF PLAN NOTES

- INSTALL ROOF SCUPPERS ACCORDING TO CODE REQUIREMENTS.



KEY PLAN
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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARVALIX MONCRATE
LICENCE 6059

Drawing Title:

ROOF PLAN - ADDITION

Scale: As indicated	Date: Nov. 2025
Drawn by: NGH	Checked by: RM
Job No. **2502**	Drawing No. A210

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Simcoe Muskoka Catholic District School Board

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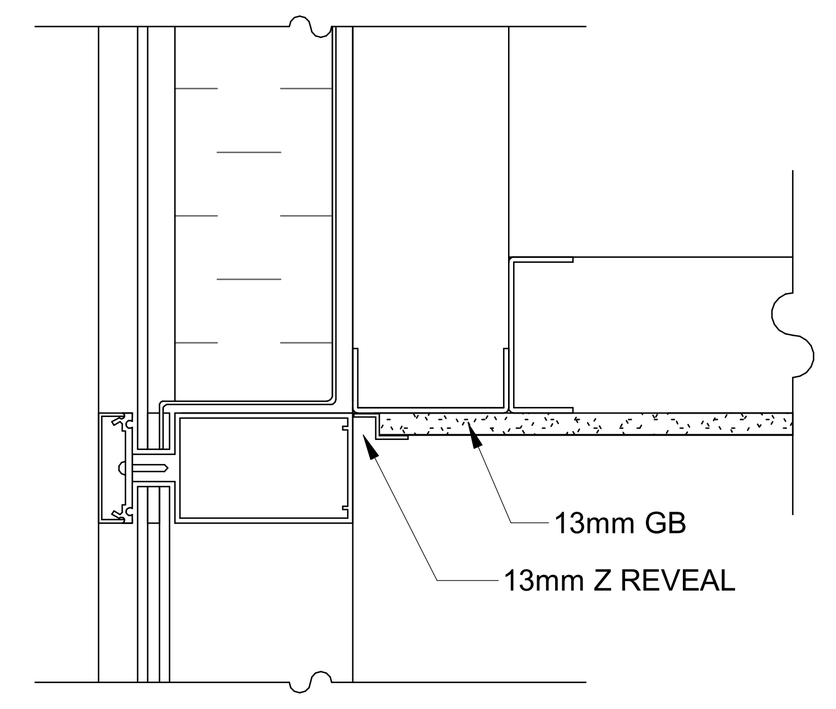
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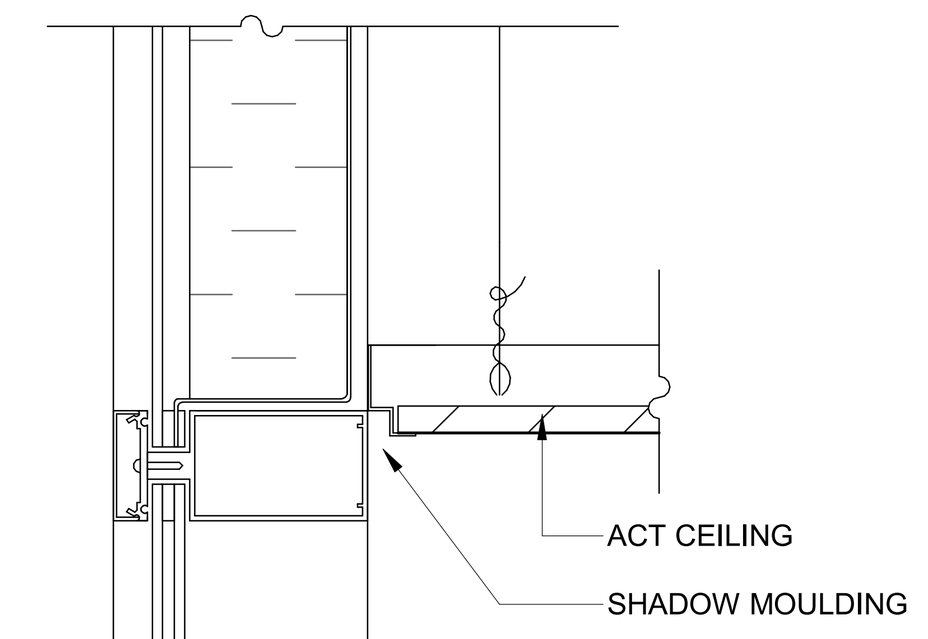
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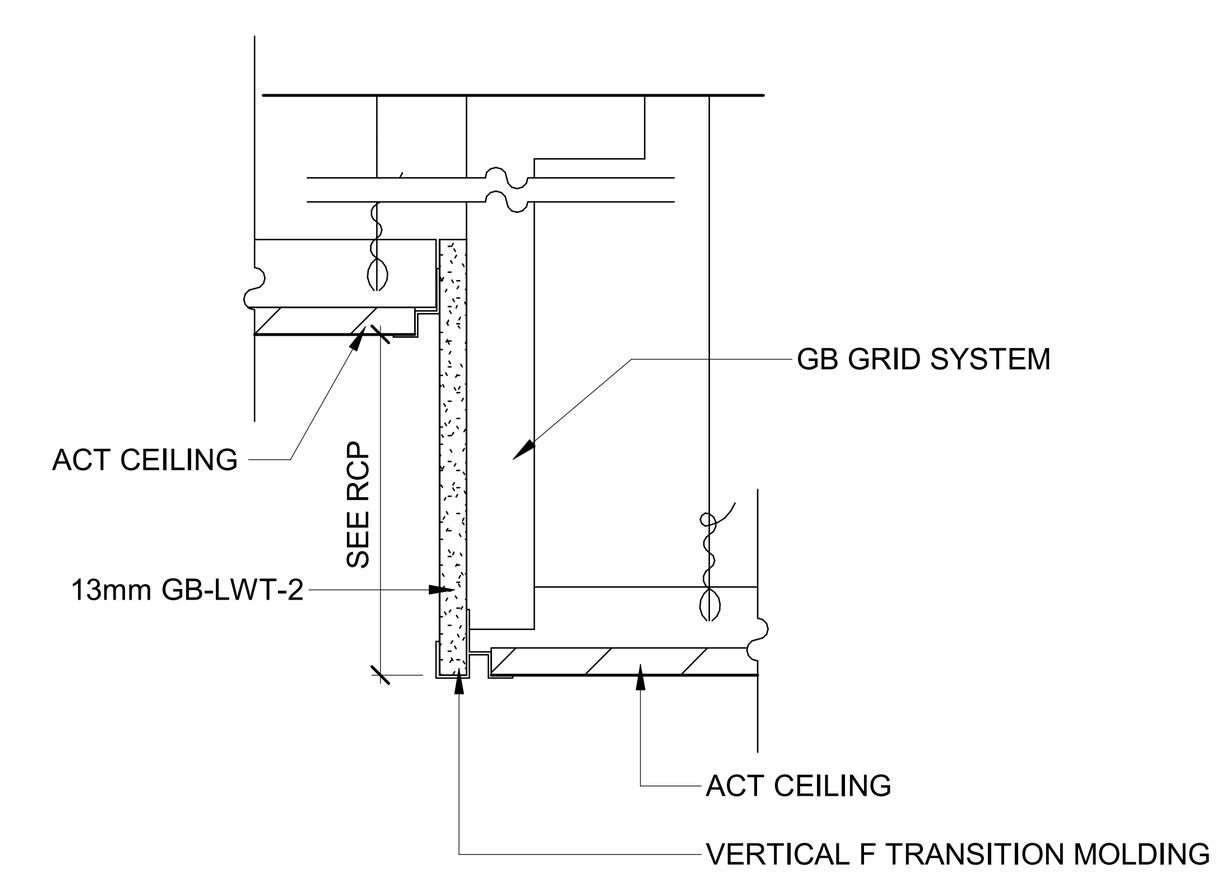
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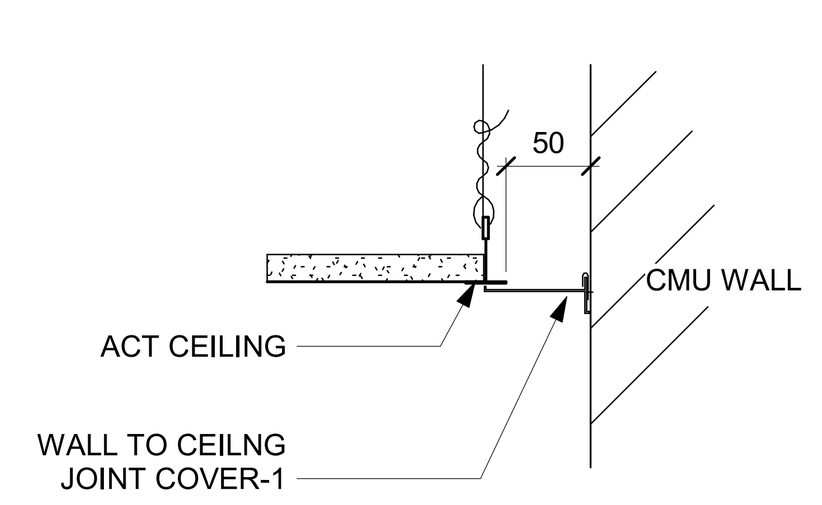


6 GB Ceiling @ CW
1 : 5



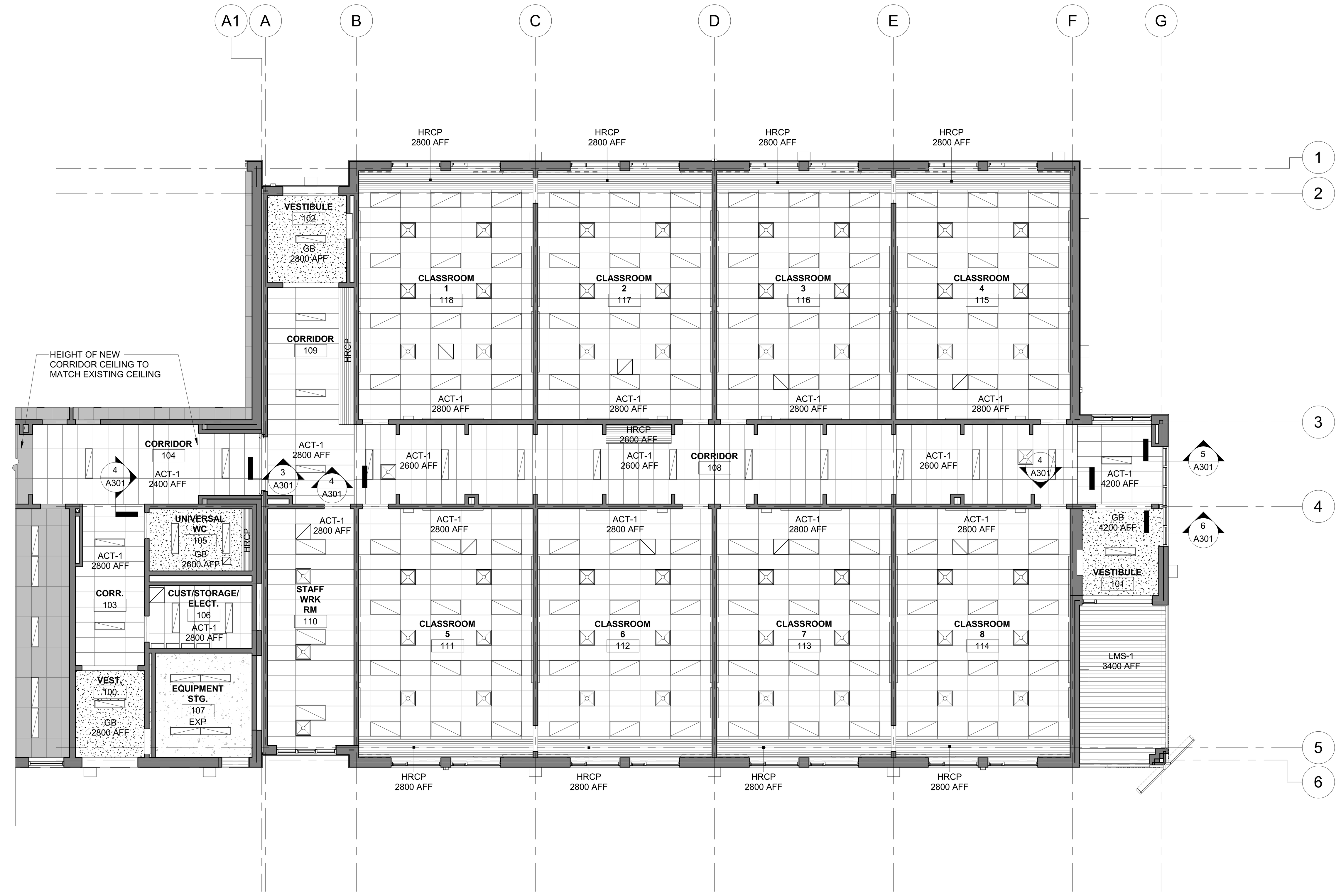
5 ACT Ceiling @ CW
1 : 5





4 ACT Clg HT Change Typ
1 : 5

3 Section Detail - ACT to Wall @ EJ
1 : 5



2 GROUND FLOOR REFLECTED CEILING PLAN - ADDITION
1 : 100

REFLECTED CEILING PLAN GENERAL NOTE:

AS NOTED ON THE REFLECTED CEILING DEMOLITION PLANS, WHERE ACT ARE REMOVED, CONTRACTOR IS RESPONSIBLE FOR REPLACING NEW ACT'S AS MENTIONED ON RCP DRAWINGS.

CEILING TYPE LEGEND:

ACT-#	ACOUSTIC CEILING TILE
EXP	EXPOSED STRUCTURE
GB	13mm GYPSUM BOARD
HRCP	HYDRONIC RADIANT CEILING PANELS HEIGHT A.F.F. TO MATCH ADJACENT CEILING, U.N.O.
LMS	LINEAR METAL SOFFIT

ACT TRIM LEGEND:

ACT TYPE	ACT SIZE	GRID TYPE
ACT-1	1220 x 610	SCG-1

CEILING PLAN LEGEND:

REFER TO MECHANICAL & ELECTRICAL DWG. FOR SIZING & SPECIFICATIONS

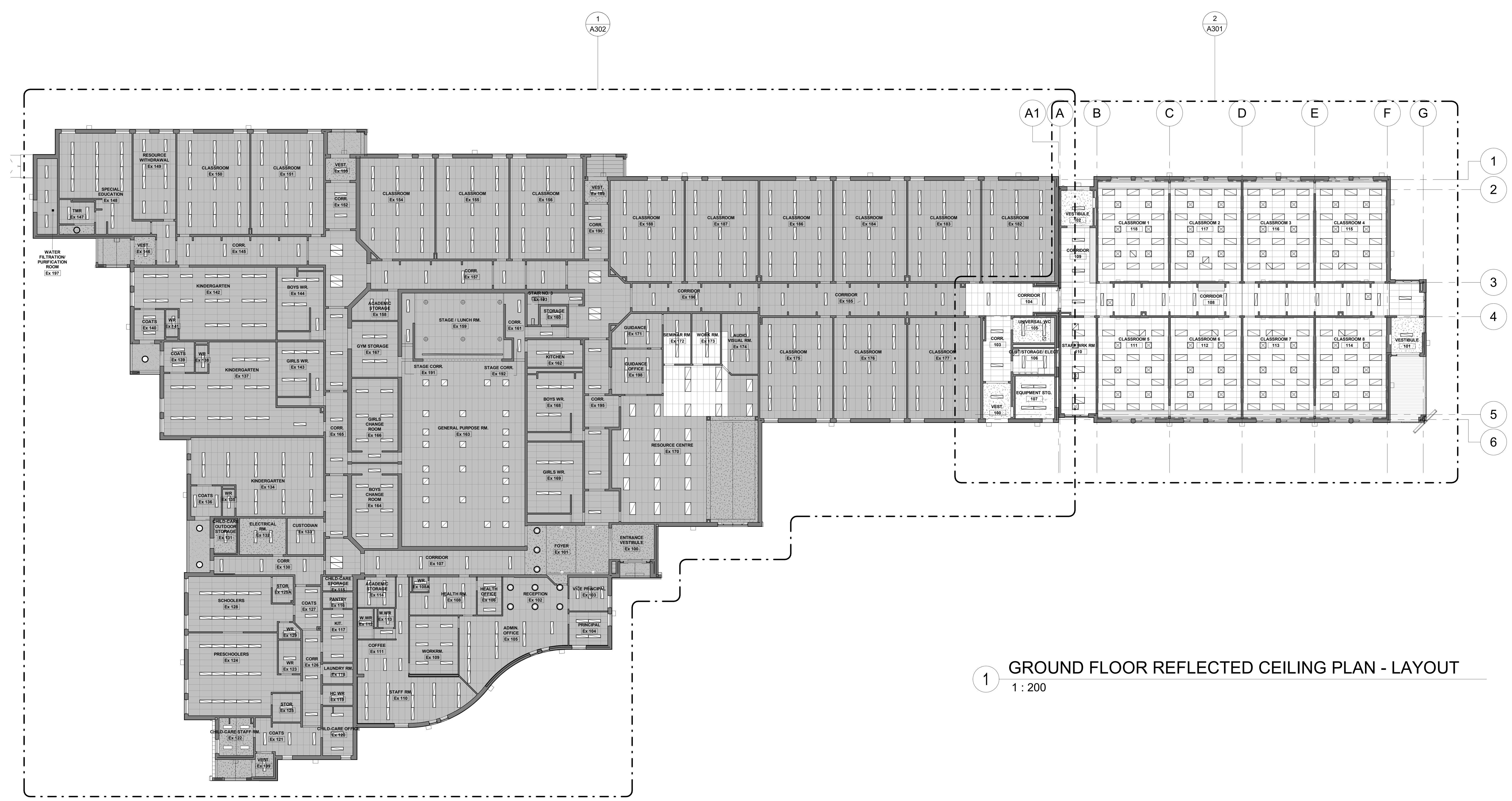
- BOX LIGHT FIXTURE
- RECESSED POT LIGHTS
- PENDANT LIGHT FIXTURE SEE PLAN FOR A.F.F. ELEVATIONS
- WALL MOUNTED LIGHT FIXTURE MOUNTED AT 4000 A.F.F. (LEVEL 1) U.N.O. SEE ELEVATIONS.
- EXTERIOR WALL MOUNTED LIGHT FIXTURE SEE ELEVATIONS.
- SUPPLY AIR DIFFUSERS
- RETURN AIR GRILLS

CEILING & FINISHING NOTES:

1. IN AREAS WITH EXPOSED STRUCTURE, DUCTS / PIPES AND CONDUITS SHALL BE MOUNTED TIGHT TO U/S OF SLAB OR DECK, ROUTED PARALLEL AND PERPENDICULAR TO WALLS.
2. PRIME & PAINT ALL EXPOSED STRUCTURES, INCLUDING DUCTS, PIPES & CONDUITS, EXCEPT FOR MECHANICAL ROOMS.
3. PRIME & PAINT ALL GYPSUM BOARD SURFACES.
4. PROVIDE GB BULKHEAD AT CEILING HEIGHT CHANGES TYP. USE DRYWALL GRID SYSTEM. REFER TO TYPICAL DETAIL ON DWG. A301.
5. PROVIDE SHADOW MOLDING AT CEILING TRANSITION TYP. REFER TO TYPICAL DETAILS ON DWG. A301.
6. INSTALL GB CEILING & METAL REVEAL WHERE CLG MEETS CURTAIN WALL MULLION TYP. REFER TO TYP. DETAILS.
7. PROVIDE SOFFIT VENT & PERIMETER REVEAL AT ALL EXTERIOR SOFFITS.
8. PROVIDE EGG CRATE PANELS AT ALL DISPLAY CASES.
9. COORDINATE ALL FIXTURES WITH ELECTRICAL AND MECHANICAL DRAWINGS.
10. GYPSUM BOARD TO BE GB-LWT-2, U.N.O.
11. GYPSUM BOARD IN ALL WASHROOMS WILL BE (GB-MR).
12. REFER TO A301 FOR ALL TYPICAL CEILING DETAILS.

REFLECTED CEILING PLAN HATCH LEGEND:

- AREAS RECEIVING WORK
- EXISTING CEILINGS TO REMAIN
- NEW LIGHT FIXTURES WITHIN EXISTING CEILING ASSEMBLIES. REFER TO DEMOLITION DRAWINGS AND REFLECTED CEILING PLAN DEMOLITION. SEE ELEC. DWGS FOR NEW ELEC. LIGHTS & FIXTURES AND MECH. DWGS FOR NEW HVAC. VERIFY SITE CONDITIONS.



1 GROUND FLOOR REFLECTED CEILING PLAN - LAYOUT
1 : 200

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON
L3V 0A8

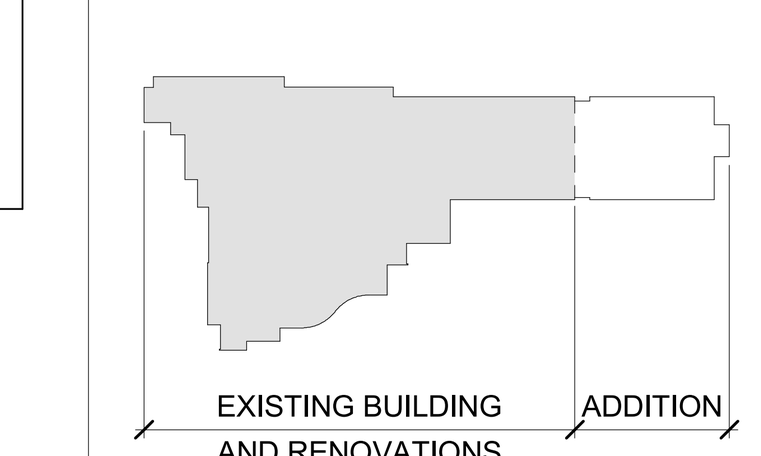
snyder
Snyder Architects Inc.
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tel. 416.966.5444

Structural Consultant
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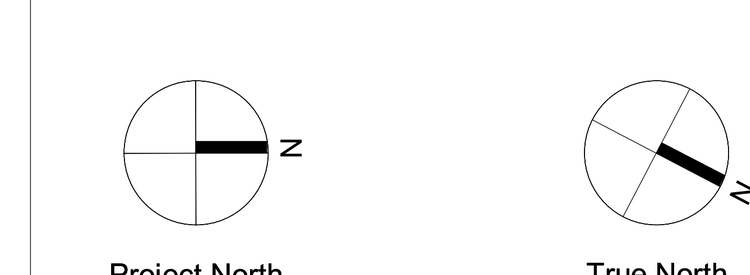
Mechanical and Electrical Consultants
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Concord, ON, L4K 4A5
Tel:

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Landscape Consultant
Henry Kortekaas + Associates Inc. (HKLA)
230 Westney Rd S, Suite 308
Ajax, ON, L1S 7P9
Tel: 905-839-5599



KEY PLAN
1 : 2000



No	Revision	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARNAUX MONCARZ
LICENCE
6559

Drawing Title:

GROUND FLOOR RCP - ADDITION

Scale:	As indicated	Date:	FEB. 2024
Drawn by:	NGH	Checked by:	RM
Job No.	2502	Drawing No.	A301

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1 GROUND FLOOR REFLECTED CEILING PLAN - EXISTING PART

1 : 100

GENERAL NOTE:

REPLACE ALL REMOVED EXISTING LIGHTS WITH NEW LED LIGHTS, REFER TO ELECTRICAL DWG'S.

2 MECHANICAL PENTHOUSE REFLECTED CEILING PLAN - EXISTING PART

1 : 100

REFLECTED CEILING PLAN GENERAL NOTE:

AS NOTED ON THE REFLECTED CEILING DEMOLITION PLANS, INSTALL NEW LIGHTS IN PLACE OF THE REMOVED LIGHTS.

CEILING TYPE LEGEND:

ACT-#	ACOUSTIC CEILING TILE
EXP	EXPOSED STRUCTURE
GB	13mm GYPSUM BOARD
HRCP	HYDRONIC RADIANT CEILING PANELS HEIGHT A.F.F. TO MATCH ADJACENT CEILING, U.N.O.
LMS	LINEAR METAL SOFFIT

ACT TRIM LEGEND:

ACT TYPE	ACT SIZE	GRID TYPE
ACT-1	1220 x 610	SCG-1
ACT-2	1220 x 610	ON EXISTING GRID SYSTEM

CEILING PLAN LEGEND:

REFER TO MECHANICAL & ELECTRICAL DWG. FOR SIZING & SPECIFICATIONS

- BOX LIGHT FIXTURE
- RECESSED POT LIGHTS
- PENDANT LIGHT FIXTURE SEE PLAN FOR A.F.F. ELEVATIONS
- WALL MOUNTED LIGHT FIXTURE MOUNTED AT 4000 A.F.F. (LEVEL 1) U.N.O. SEE ELEVATIONS.
- EXTERIOR WALL MOUNTED LIGHT FIXTURE SEE ELEVATIONS.
- SUPPLY AIR DIFFUSERS
- RETURN AIR GRILLS

CEILING & FINISHING NOTES:

1. IN AREAS WITH EXPOSED STRUCTURE, DUCTS / PIPES AND CONDUITS SHALL BE MOUNTED TIGHT TO U/S OF SLAB OR DECK, ROUTED PARALLEL AND PERPENDICULAR TO WALLS.
2. PRIME & PAINT ALL EXPOSED STRUCTURES, INCLUDING DUCTS, PIPES & CONDUITS, EXCEPT FOR MECHANICAL ROOMS.
3. PRIME & PAINT ALL GYPSUM BOARD SURFACES.
4. PROVIDE GB BULKHEAD AT CEILING HEIGHT CHANGES TYP. USE DRYWALL GRID SYSTEM. REFER TO TYPICAL DETAIL ON DWG. A301.
5. PROVIDE SHADOW MOLDING AT CEILING TRANSITION TYP. REFER TO TYPICAL DETAILS ON DWG. A301.
6. INSTALL GB CEILING & METAL REVEAL WHERE CLG MEETS CURTAIN WALL MULLION TYP. REFER TO TYP. DETAIL.
7. PROVIDE SOFFIT VENT & PERIMETER REVEAL AT ALL EXTERIOR SOFFITS.
8. PROVIDE EGG CRATE PANELS AT ALL DISPLAY CASES.
9. COORDINATE ALL FIXTURES WITH ELECTRICAL AND MECHANICAL DRAWINGS.
10. GYPSUM BOARD TO BE GB-LWT-2, U.N.O.
11. GYPSUM BOARD IN ALL WASHROOMS WILL BE (GB-MR).
12. REFER TO A301 FOR ALL TYPICAL CEILING DETAILS.
13. CONTRACTOR TO ALLOW FOR REMOVAL AND REPLACEMENT OF APPROXIMATELY 25% OF CEILING TILES TO ACCOMODATE ELECTRICAL AND MECHANICAL WORK. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED CEILING TILES DURING THIS PROCESS WITH NEW ONES. REFER TO MECH. AND ELECTRICAL DWG'S FOR SCOPE OF WORK AND COORDINATION.
14. CONTRACTOR IS RESPONSIBLE TO REPLACE EXISTING DAMAGED CEILING TILES WITH NEW ONES. CONTRACTOR TO ALLOW FOR REPLACEMENT OF 20% OF EXISTING TILES FOR THIS WORK.

REFLECTED CEILING PLAN HATCH LEGEND:

- AREAS RECEIVING WORK
- EXISTING CEILING GRIDS TO REMAIN, CEILING TILES IN THIS AREA MAYBE REMOVED AND REINSTALLED FOR ELECTRICAL OR MECHANICAL WORK CEILING TILES IN BAD CONDITION TO BE REPLACED
- NEW LIGHT FIXTURES WITHIN EXISTING CEILING ASSEMBLIES. REFER TO DEMOLITION DRAWINGS AND REFLECTED CEILING PLAN DEMOLITION. SEE ELEC. DWGS FOR NEW ELEC. LIGHTS & FIXTURES AND MECH. DWGS FOR NEW HVAC. VERIFY SITE CONDITIONS.

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON L3V 0A8

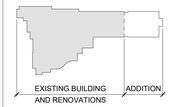
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KEY PLAN
1 : 2000

Project North | True North

No.	Revisions	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17
No	Revision	Date

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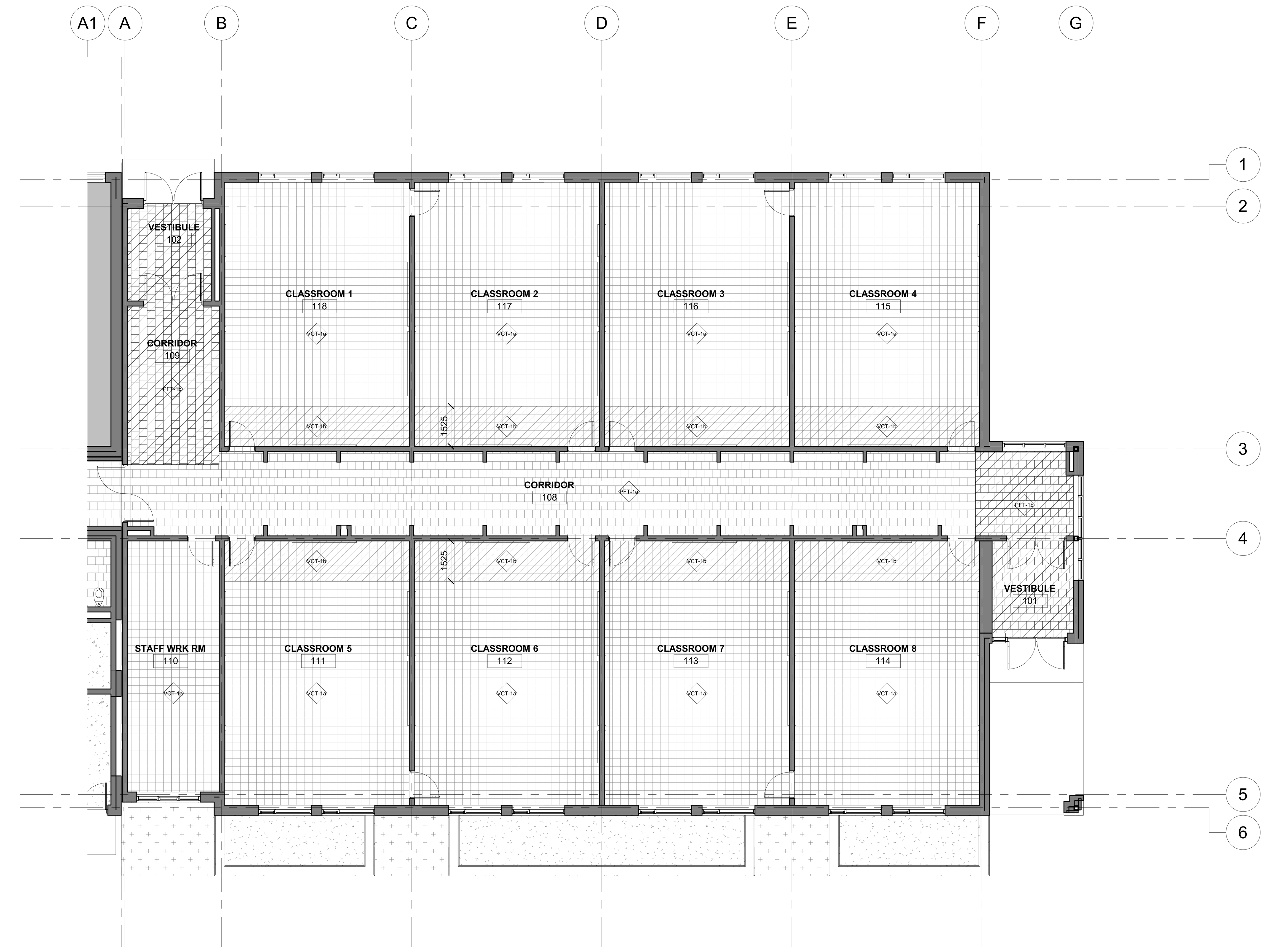
General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS ASSOCIATION DES ARCHITECTES DE L'ONTARIO ROCHELLE MARIE WALKER LICENCE 6509

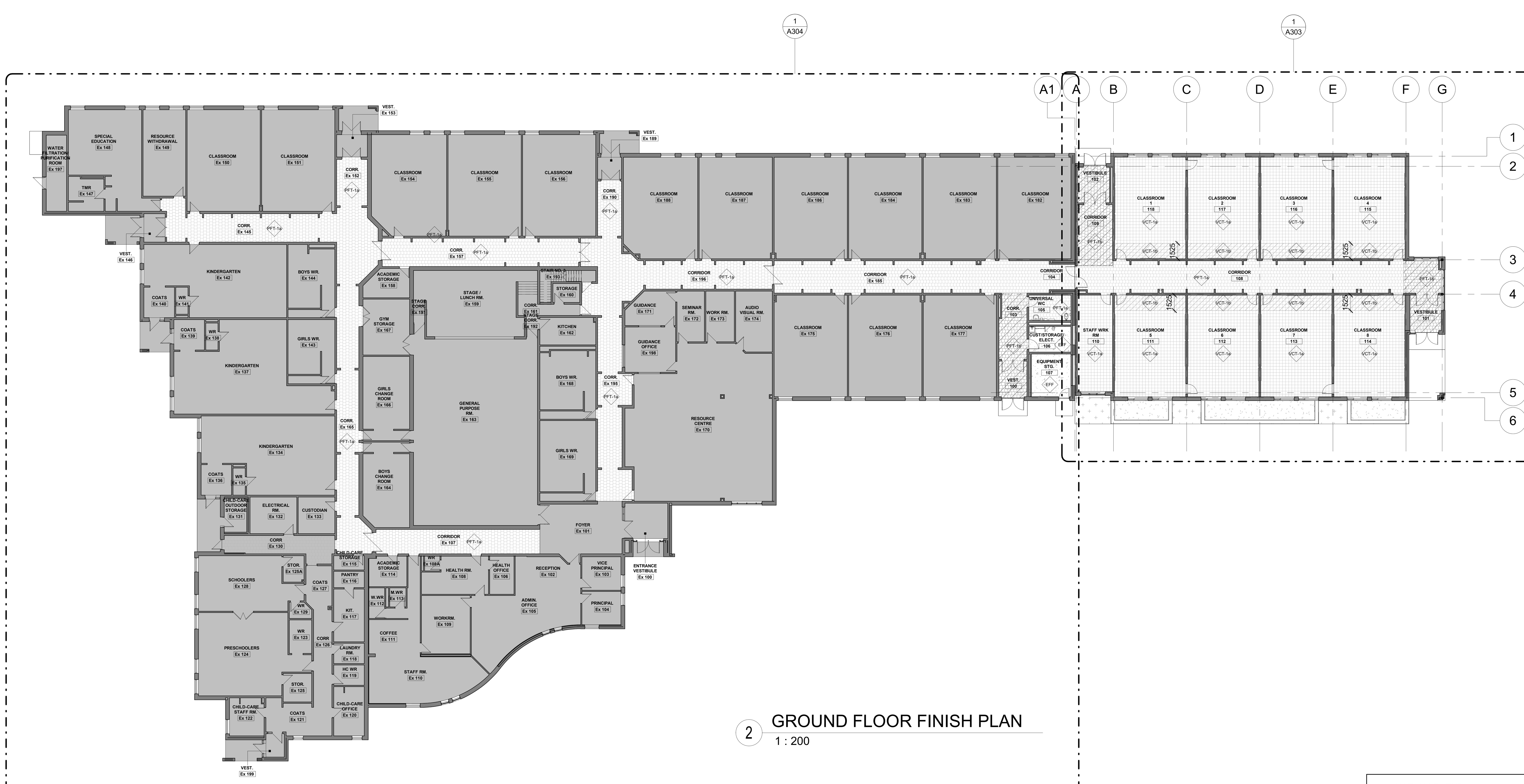
Drawing Title:
RCP FOR EXISITNG BUILDING - GROUND FLOOR & MECHANICAL PENTHOUSE

Scale: As indicated	Date: FEB. 2024
Drawn by: NGH	Checked by: RM
Job No. 2502	Drawing No. A302

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1 GROUND FLOOR FINISH PLAN - ADDITION
1 : 100



2 GROUND FLOOR FINISH PLAN
1 : 200

FINISH FLOOR LEGEND:

Tag	Base
VCT-1a	100mm RB BASE
VCT-1b	100mm RB BASE
PFT-1a	100mm PFT BASE
PFT-1b	100mm PFT BASE
EFF	100mm RB BASE

FINISH TAG KEY:

PFT-1a
- COLOUR FINISH TYPE (a, b, c, OR d)
- TYPE NUMBER
- FINISH MATERIAL TAG
- SEE SPECIFICATION

FINISH FLOOR ABBREVIATIONS LIST:

VCT	VINYL COMPOSITE TILE
PFT	PORCELAIN FLOOR TILE
EFF	EPOXY FLOOR FINISH

FLOOR FINISH NOTES:

1. FOR PFT BASE, PROVIDE FACTORY TOP EDGE.
2. PROVIDE SS TILE TRIM BETWEEN DIFFERENT PFT TYPE AND AS NOTED ON DRAWINGS.
3. PROVIDE TRANSITION STRIP @ MATERIAL CHANGE TO MEET OBC STANDARD.
4. ALL THRESHOLDS TO MEET OBC BARRIER FREE REQUIREMENT.
5. PROVIDE CONTROL JOINT IN TILING SYSTEM EVERY 10 METERS.
6. ALL FLOORING TO EXTEND UNDER MILLWORK (TYPICAL).
7. CUT DOWN DOORS IF REQUIRED TO ACCOMMODATE THE INCREASED FLOOR THICKNESS.
8. RAISE CLEANOUTS IF REQUIRED TO MATCH NEW FLOOR FINISH.
9. COORDINATE THE DOOR HEIGHTS WITH FINISH FLOOR AT CORRIDOR.
10. FLOOR REPLACEMENT IN CORR. Ex130 TO BE DONE AFTER HOURS OR DURING WEEKEND WHEN THE BUILDING IS UNOCCUPIED.

ROOM FINISH NOTES:

1. PRIME AND PAINT ALL VERTICAL SURFACES IN RENOVATED AREAS AND NEW ADDITION.
2. PRIME & PAINT ALL EXPOSED LINTELS IN RENOVATED AREAS AND NEW ADDITION. REFER TO FIRE PROTECTION SCHEDULE ON A200 FOR INTUMESCENT PAINT.
3. PRIME AND PAINT ALL EXPOSED STEEL DECKS, JOISTS AND GYPSUM BOARD CEILINGS IN RENOVATED AREAS AND NEW ADDITION.
4. PRIME AND PAINT ALL EXPOSED HSS COLUMNS IN RENOVATED AREAS AND NEW ADDITION. REFER TO FIRE PROTECTION SCHEDULE ON A200 FOR INTUMESCENT PAINT.

HATCH LEGEND:

- AREAS RECEIVING WORK
- EXISTING AREAS TO REMAIN

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
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Project North   True North

No.	Revisions	Date
6	Issued for Tender	2026 11 12
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4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
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1	Issued for 30% Progress Set	2025 12 17
No	Revision	Date

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARNAUX MONCARZ
LICENCE
6559

Drawing Title:

GROUND FLOOR FINISH PLAN - ADDITION

Scale:	As indicated	Date:	FEB. 2024
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A303

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1 GROUND FLOOR FINISH PLAN - EXISTING
1 : 100

FINISH FLOOR LEGEND:

- CCT-1a — 100mm RB BASE
- CCT-1b — 100mm RB BASE
- PFT-1a — 100mm PFT BASE
- PFT-1b — 100mm PFT BASE
- EFF — 100mm RB BASE

FINISH TAG KEY:

PFT-1a
- COLOUR FINISH TYPE (a, b, c, OR d)
- TYPE NUMBER / FINISH MATERIAL TAG
- SEE SPECIFICATION

FINISH FLOOR ABBREVIATIONS LIST:

VCT	VINYL COMPOSITE TILE
PFT	PORCELAIN FLOOR TILE
EFF	EPOXY FLOOR FINISH

FLOOR FINISH NOTES:

1. FOR PFT BASE, PROVIDE FACTORY TOP EDGE.
2. PROVIDE SS TILE TRIM BETWEEN DIFFERENT PFT TYPE AND AS NOTED ON DRAWINGS.
3. PROVIDE TRANSITION STRIP @ MATERIAL CHANGE TO MEET OBC STANDARD.
4. ALL THRESHOLDS TO MEET OBC BARRIER FREE REQUIREMENT.
5. PROVIDE CONTROL JOINT IN TILING SYSTEM EVERY 10 METERS.
6. ALL FLOORING TO EXTEND UNDER MILLWORK (TYPICAL).
7. CUT DOWN DOORS IF REQUIRED TO ACCOMMODATE THE INCREASED FLOOR THICKNESS.
8. RAISE CLEANOUTS IF REQUIRED TO MATCH NEW FLOOR FINISH.
9. COORDINATE THE DOOR HEIGHTS WITH FINISH FLOOR AT CORRIDOR.
10. FLOOR REPLACEMENT IN CORR. Ex130 TO BE DONE AFTER HOURS OR DURING WEEKEND WHEN THE BUILDING IS UNOCCUPIED.

ROOM FINISH NOTES:

1. PRIME AND PAINT ALL VERTICAL SURFACES IN RENOVATED AREAS AND NEW ADDITION.
2. PRIME & PAINT ALL EXPOSED LINTELS IN RENOVATED AREAS AND NEW ADDITION. REFER TO FIRE PROTECTION SCHEDULE ON A200 FOR INTUMESCENT PAINT.
3. PRIME AND PAINT ALL EXPOSED STEEL DECKS, JOISTS AND GYPSUM BOARD CEILINGS IN RENOVATED AREAS AND NEW ADDITION.
4. PRIME AND PAINT ALL EXPOSED HSS COLUMNS IN RENOVATED AREAS AND NEW ADDITION. REFER TO FIRE PROTECTION SCHEDULE ON A200 FOR INTUMESCENT PAINT.

HATCH LEGEND:

- AREAS RECEIVING WORK
- EXISTING AREAS TO REMAIN

Simcoe Muskoka Catholic District School Board

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARVALIX MONCRATZ
LICENCE 6059

Drawing Title:
GROUND FLOOR FINISH PLAN - EXISTING RENOVATION

Scale: As indicated	Date: FEB. 2024
Drawn by: NGH	Checked by: RM
Job No. 2502	Drawing No. A304

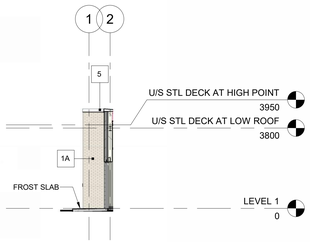
ELEVATION LEGEND	
#	DESCRIPTION
1A	CONCRETE BRICK - TAUPE - CMU-BRK
1B	CONCRETE BRICK - TAUPE - ACCENT BRICK PATTERN - CMU-BRK
2A	DECORATIVE CONCRETE MASONRY BLOCK 200x400 - RUNNING BOND - LIGHT GREY - CMU-DEC-1
2B	DECORATIVE CONCRETE MASONRY BLOCK 200X400 - CHARCOAL - CMU-DEC-2
2C	DECORATIVE CONCRETE MASONRY BLOCK 200X400 - STACKBOND - CHARCOAL - CMU-DEC-2
3A	GLAZING - CLEAR VISION GLASS
3B	GLAZING - TRANSLUCENT FRIT GLASS
4	SPANDREL GLASS - LIGHT WHITE
5	PREFINISHED METAL FLASHING
RS	ROOF SCUPPER - SEE TYPICAL DETAIL 8/A612

GENERAL NOTES:

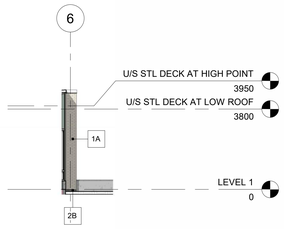
1. PROVIDE MOVEMENT JOINTS IN MASONRY VENEER. SPACING TO BE MIN. 3000mm FROM END OF WALLS & CORNERS, 6000mm O.C. MAX. LOCATIONS TO BE VERIFIED WITH ARCHITECT PRIOR TO PLACING MASONRY VENEER.
2. CONTROL JOINTS SHOWN ON ARCHITECTURAL DRAWINGS ARE ONLY FOR MASONRY VENEER. FOR CONTROL JOINTS IN STRUCTURAL WALLS REFER TO STRUCTURAL DRAWINGS. ARCHITECTURAL AND STRUCTURAL CONTROL JOINTS DO NOT NEED TO MATCH.

ELEVATION GRAPHIC LEGEND:

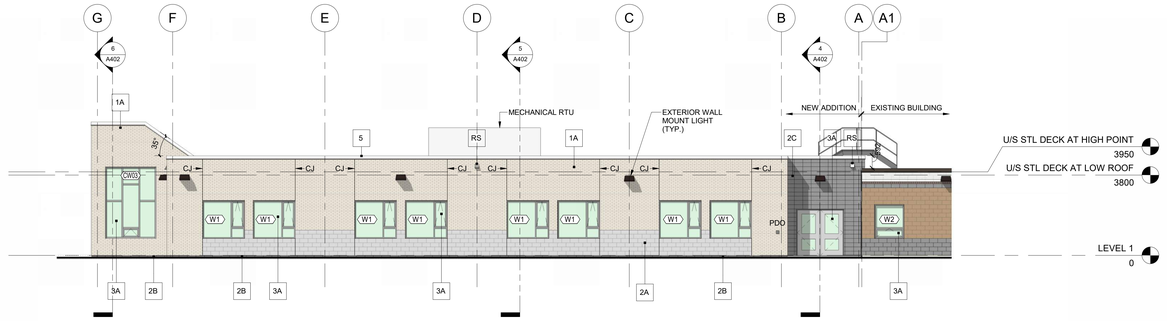
CLEAR VISION GLASS
SPANDREL PANEL
TRANSLUCENT FRIT GLASS
OPERABLE AWNING WINDOW



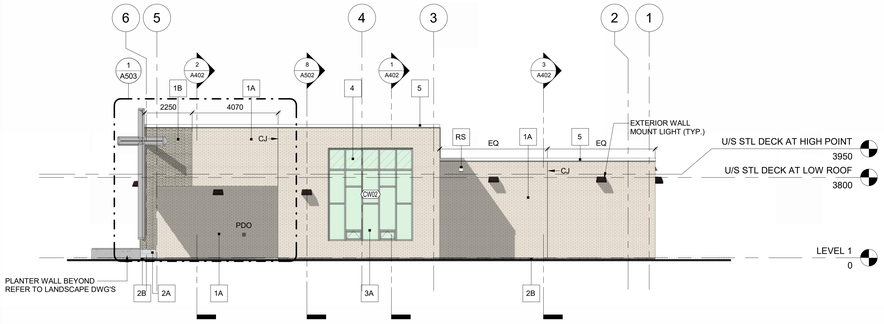
8 BUILDING ELEVATION (ADDITION)-LOOKING NORTH @ WEST
1 : 100



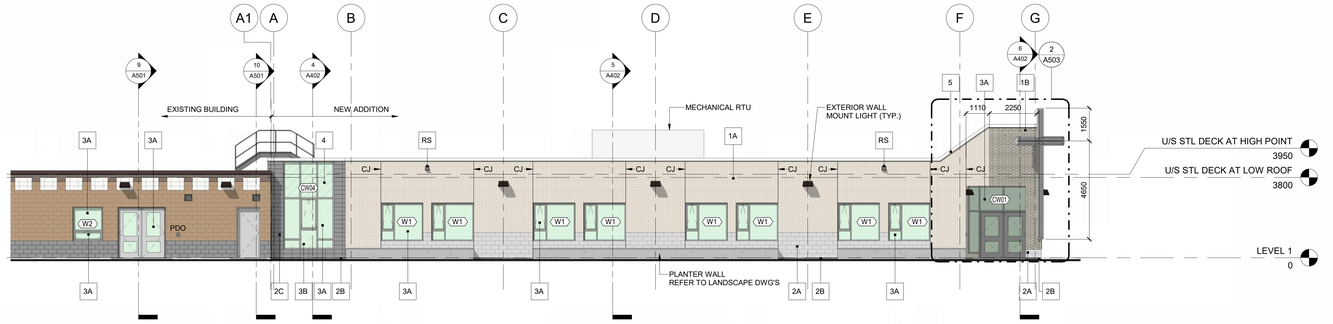
7 BUILDING ELEVATION (ADDITION) - LOOKING NORTH @ EAST
1 : 100



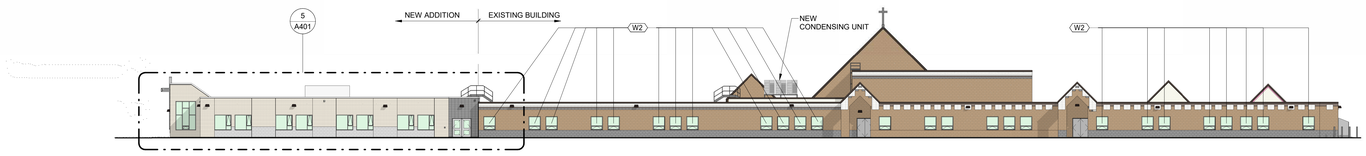
5 BUILDING ELEVATION (ADDITION) - WEST
1 : 100



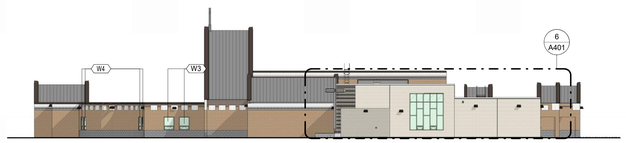
6 BUILDING ELEVATION (ADDITION) - NORTH
1 : 100



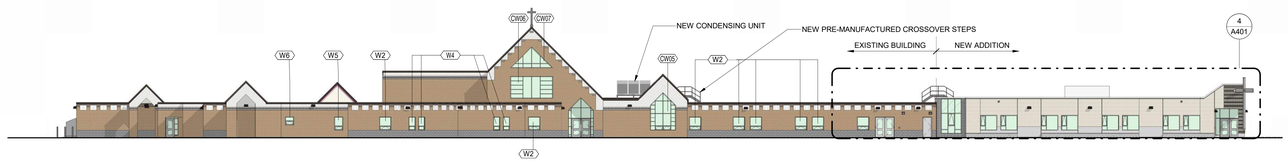
4 BUILDING ELEVATION (ADDITION) - EAST
1 : 100



2 BUILDING ELEVATION - WEST
1 : 250



3 BUILDING ELEVATION - NORTH
1 : 250



1 BUILDING ELEVATION - EAST.
1 : 250

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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6	Issued for Pre-Tender	2026 05 22
5	Issued for Permit	2026 04 24
4	Site Plan Approval Resubmission	2026 03 23
3	Issued for 80% Progress Set	2026 02 10
2	Issued for 30% Progress Set	2025 12 17
1	ISSUED FOR SPA	2025 11 14
No	Revision	Date

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ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA MACARZ
LICENCE
6559

Drawing Title:

BUILDING ELEVATIONS - ADDITION

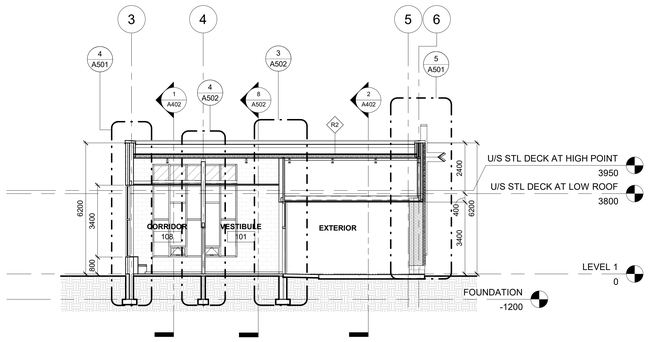
Scale:	As indicated	Date:	NOV. 2025
Drawn by:	NGH	Checked by:	RM
Job No.	**2502**	Drawing No.	A401

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SECTION LEGEND:

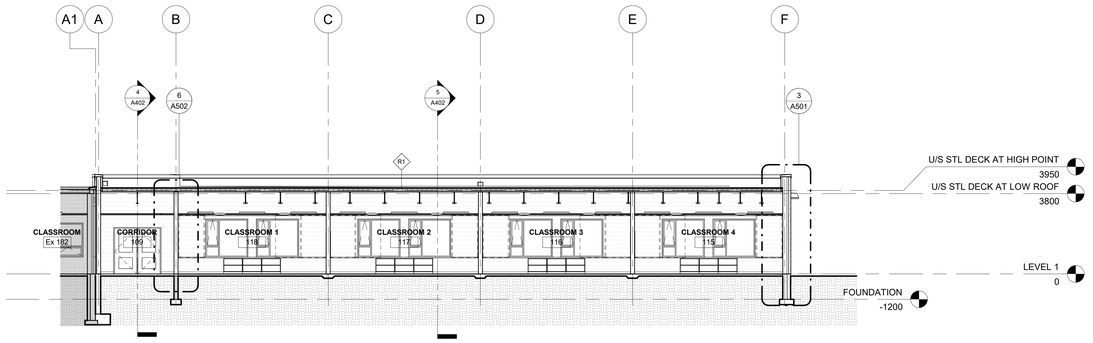
NEW ADDITION

EXISTING BUILDING



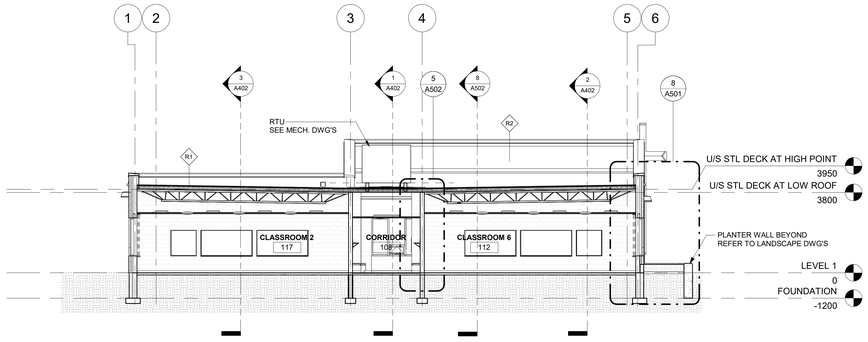
6 EAST-WEST SECTION LOOKING NORTH TOWARD GL-G

1 : 100 Ref. Det. 2/ A208



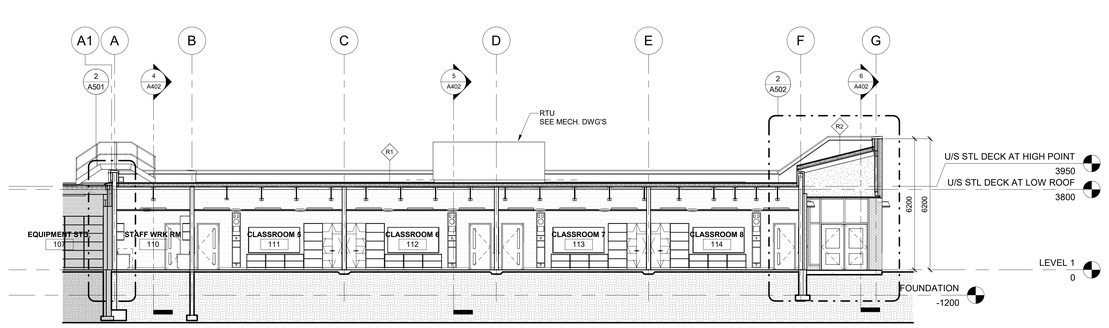
3 NORTH-SOUTH SECTION LOOKING WEST TOWARD GL-2

1 : 100 Ref. Det. 2/ A208



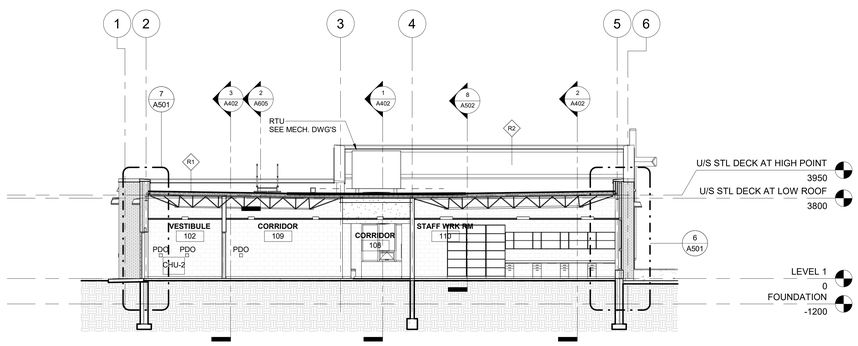
5 EAST-WEST SECTION LOOKING NORTH TOWARD GL-D

1 : 100 Ref. Det. 2/ A208



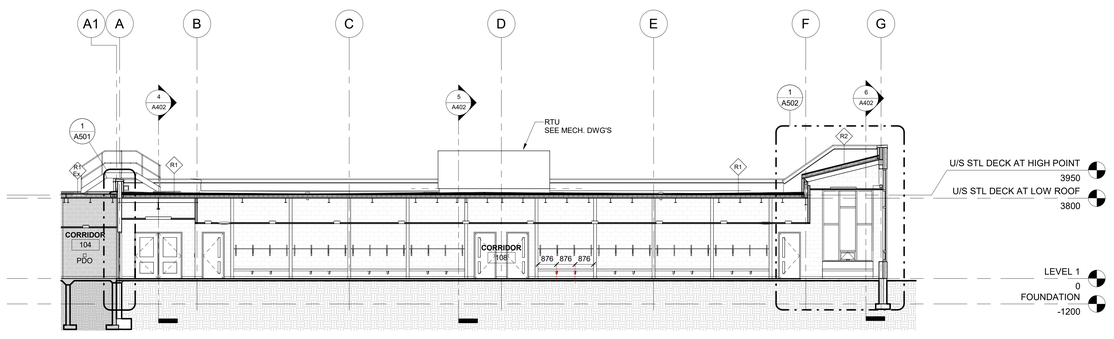
2 NORTH-SOUTH SECTION LOOKING WEST TOWARD GL-4

1 : 100 Ref. Det. 2/ A208



4 EAST-WEST SECTION LOOKING NORTH TOWARD GL-B

1 : 100 Ref. Det. 2/ A208



1 NORTH-SOUTH SECTION LOOKING WEST TOWARD GL-3

1 : 100 Ref. Det. 2/ A208

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
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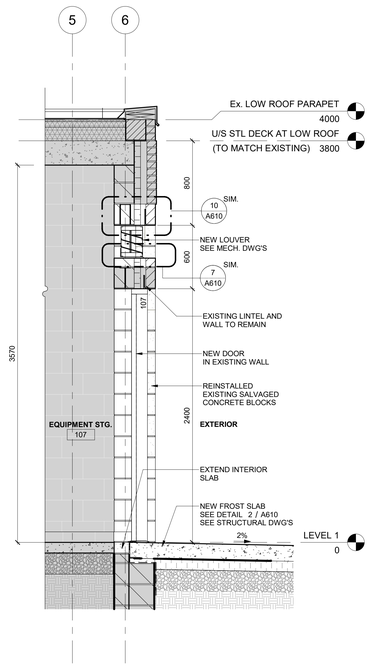
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA JULIE MARIE LAURE LUCIENCE
6559

Drawing Title:

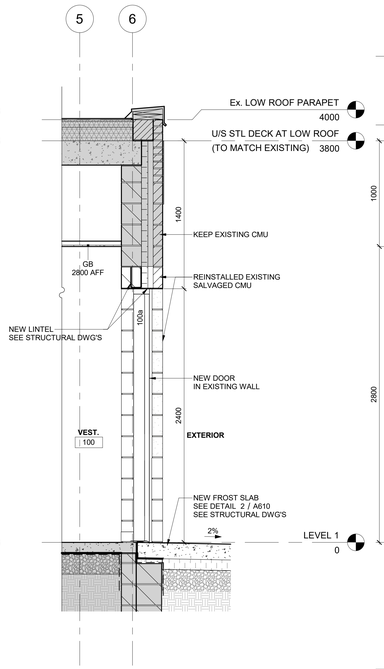
BUILDING SECTIONS - ADDITION

Scale:	As indicated	Date:	FEB. 2024
Drawn by:	JW	Checked by:	AG
Job No.	**2502**	Drawing No.	A402

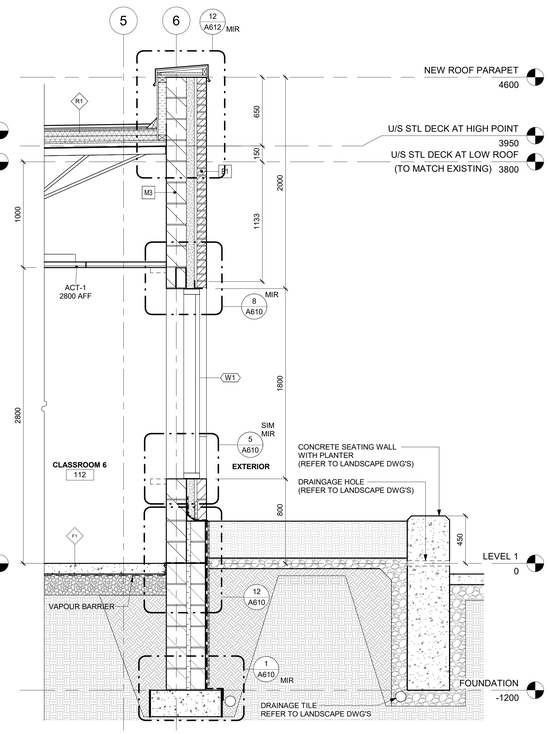
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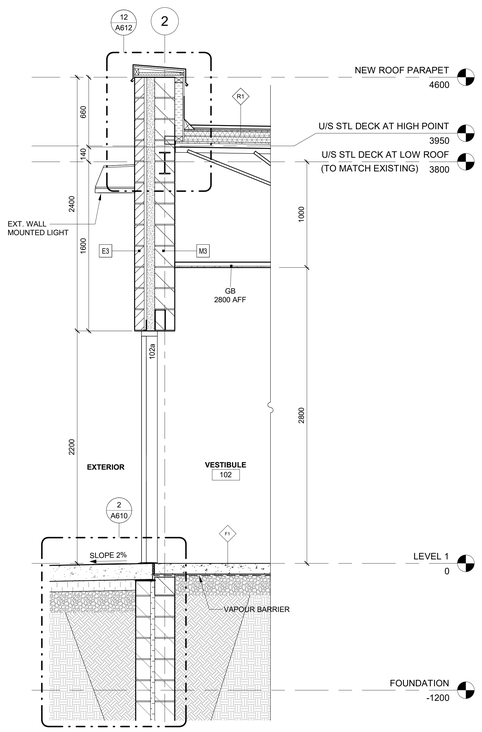
10 WALL SECTION - AT NEW LOUVER
1 : 20 Ref. Det. 2/ A208



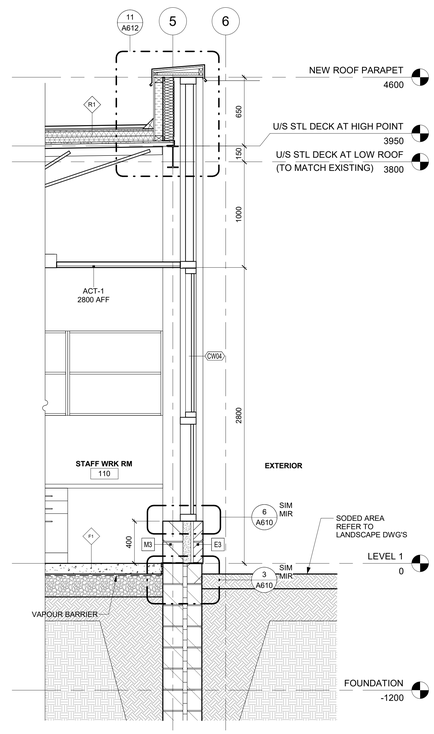
9 WALL SECTION
1 : 20 Ref. Det. 2/ A208



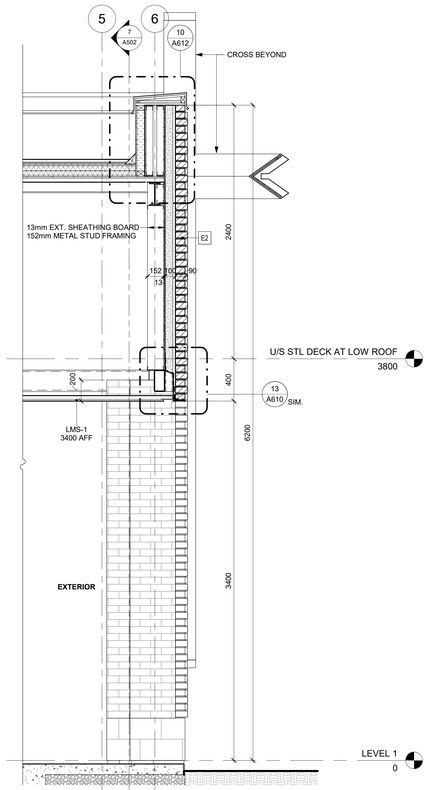
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1 : 20 Ref. Det. 5/ A402



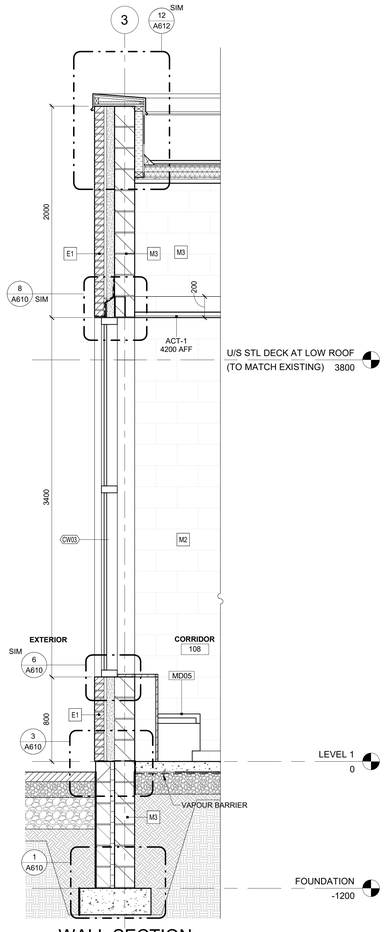
7 WALL SECTION
1 : 20 Ref. Det. 4/ A402



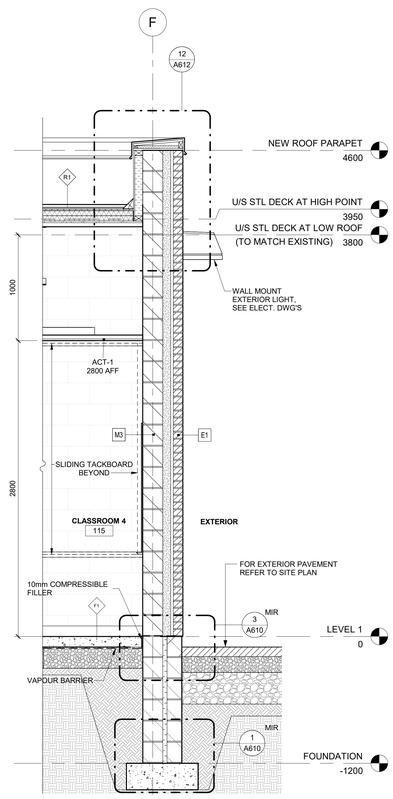
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1 : 20 Ref. Det. 4/ A402



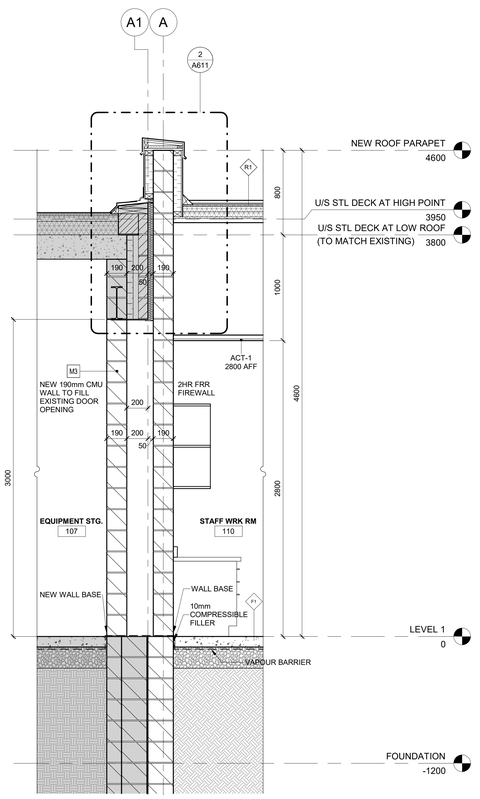
5 WALL SECTION
1 : 20 Ref. Det. 6/ A402



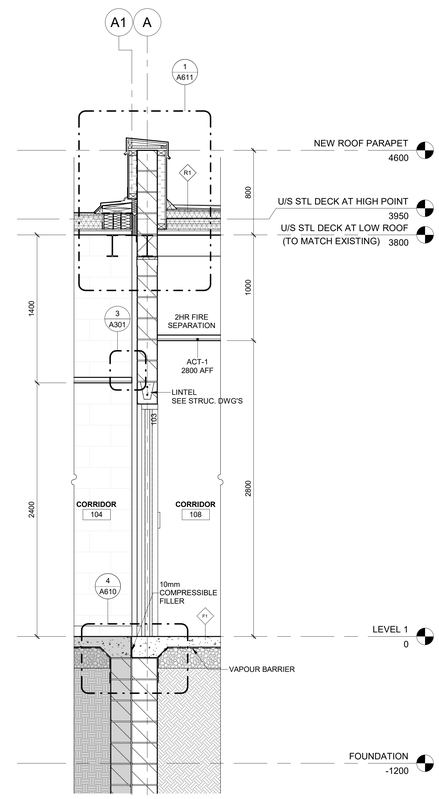
4 WALL SECTION
1 : 20 Ref. Det. 6/ A402



3 WALL SECTION
1 : 20 Ref. Det. 3/ A402



2 WALL SECTION
1 : 20 Ref. Det. 2/ A402



1 WALL SECTION
1 : 20 Ref. Det. 1/ A402

HATCH LEGEND:

- AREAS RECEIVING WORK
- EXISTING AREAS TO REMAIN

Simcoe Muskoka Catholic District School Board

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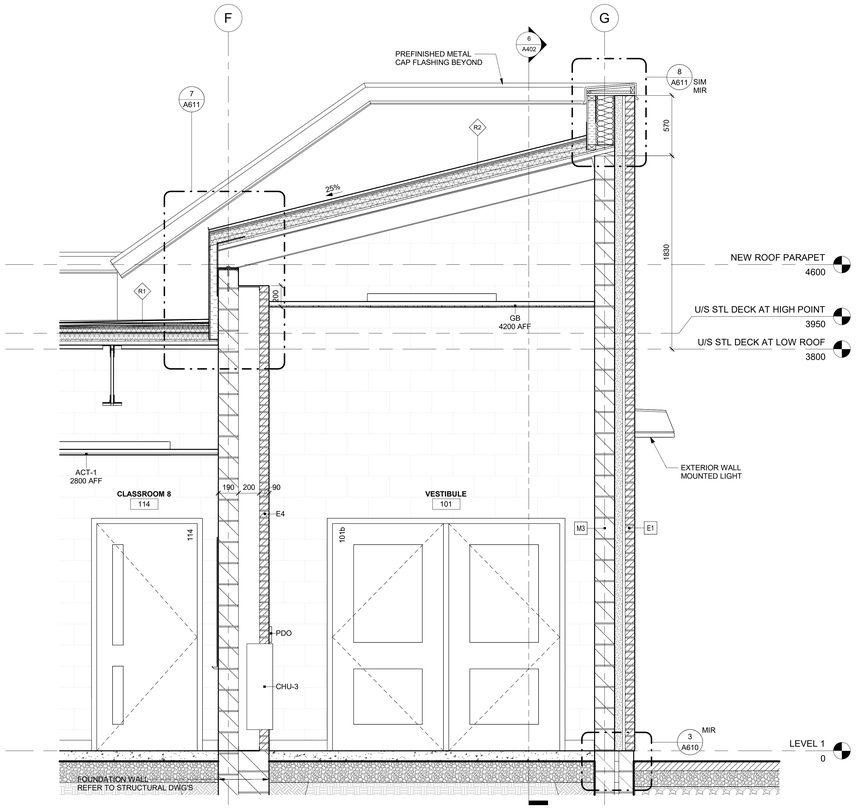
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA ANN MACARZ
LICENCE 6059

Drawing Title:

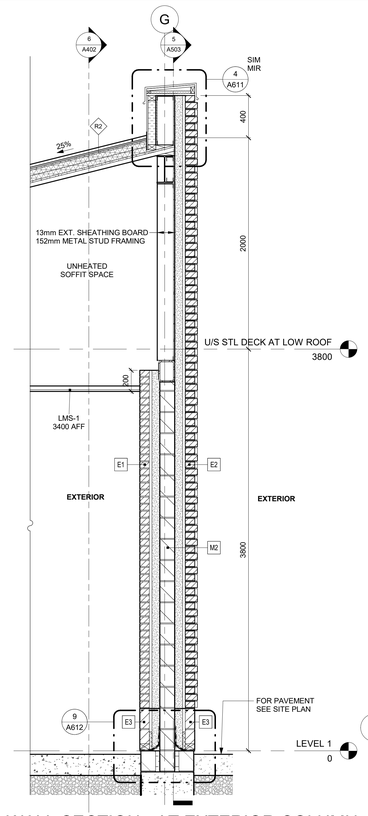
WALL SECTIONS

Scale: As indicated	Date: FEB. 2025
Drawn by: JW	Checked by: AG
Job No. **2502**	Drawing No. A501

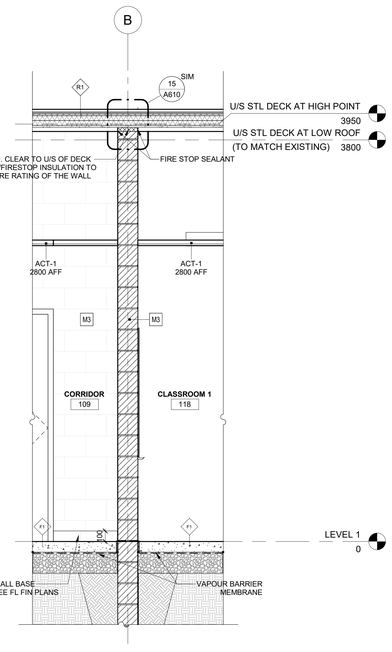
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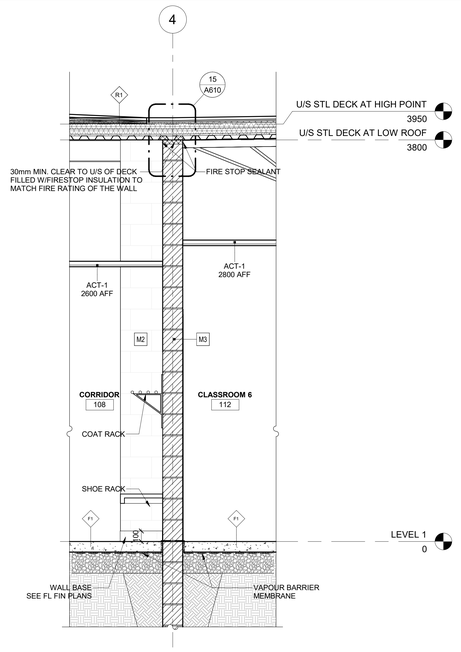
8 WALL SECTION - LOOKING WEST AT VESTIBULE-101 BRICK WALL
1 : 20 Ref. Det. 2/ A208



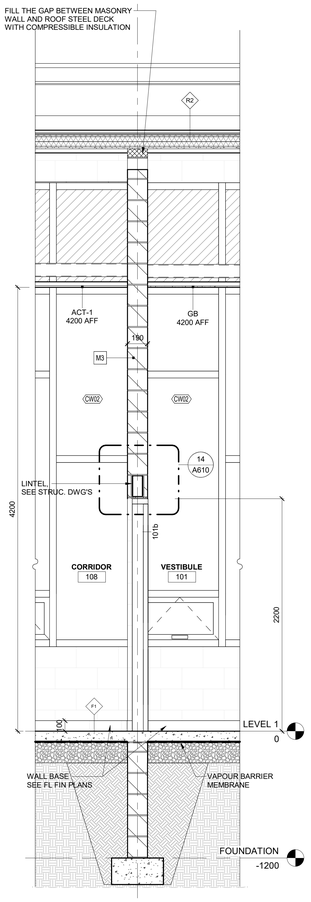
7 WALL SECTION - AT EXTERIOR COLUMN
1 : 20 Ref. Det. 5/ A501



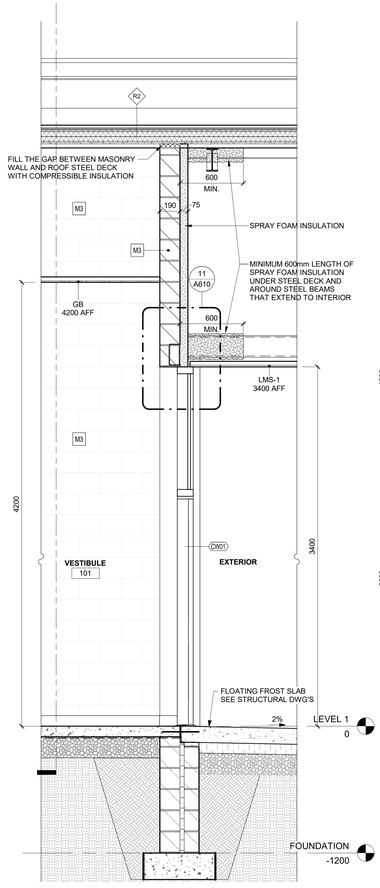
6 WALL SECTION - INTERIOR WALL ON GL-B
1 : 20 Ref. Det. 3/ A402



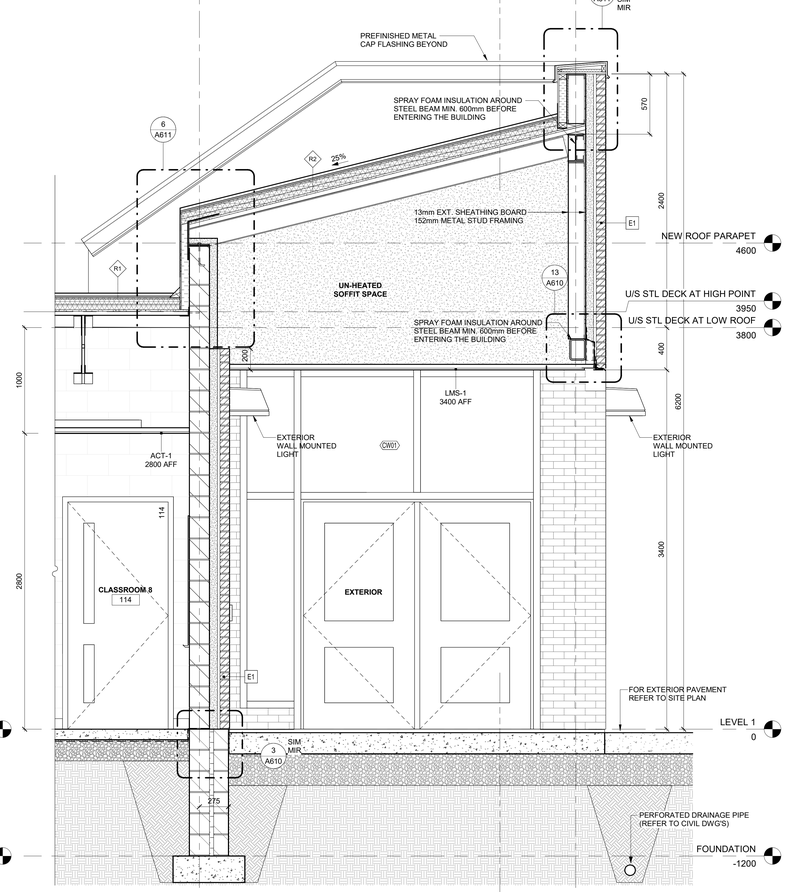
5 WALL SECTION - INTERIOR WALL ON GL-4
1 : 20 Ref. Det. 5/ A402



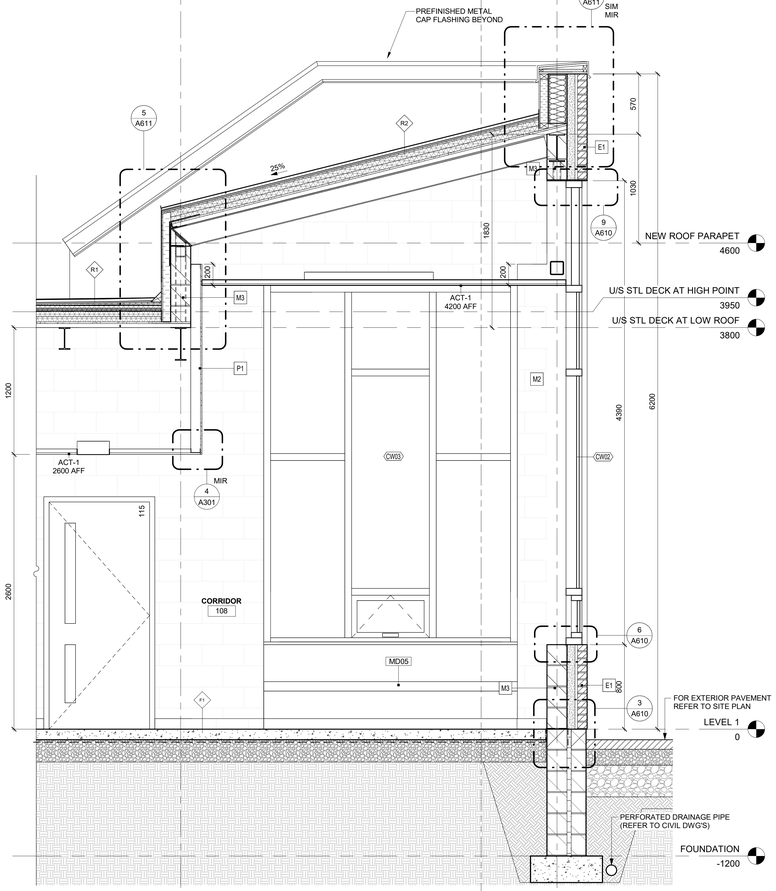
4 WALL SECTION @ VEST. 101
1 : 20 Ref. Det. 6/ A402



3 WALL SECTION @ VEST. 101 LOOKING NORTH
1 : 20 Ref. Det. 6/ A402



2 WALL SECTION LOOKING WEST TOWARD GL-4
1 : 20 Ref. Det. 2/ A402



1 WALL SECTION LOOKING WEST TOWARD GL-3
1 : 20 Ref. Det. 1/ A402

Simcoe Muskoka Catholic District School Board

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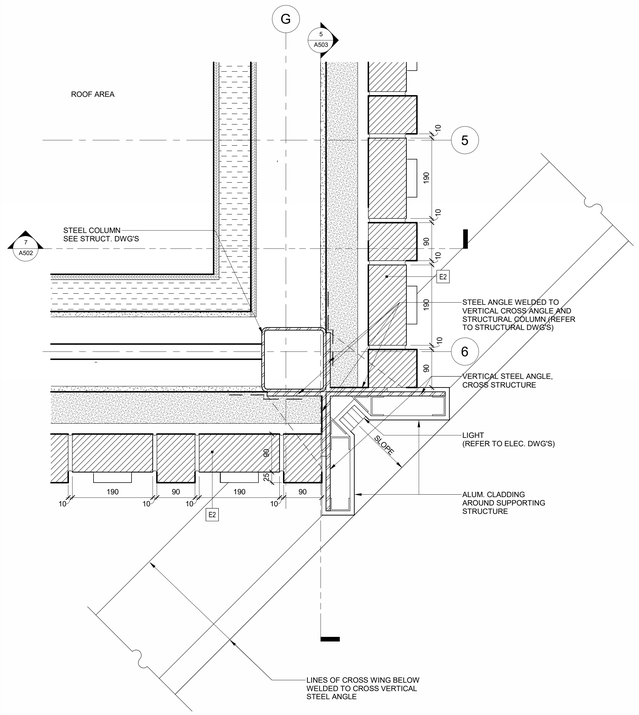
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIE WALTER MORGAN
LICENCE 6559

Drawing Title:

WALL SECTIONS

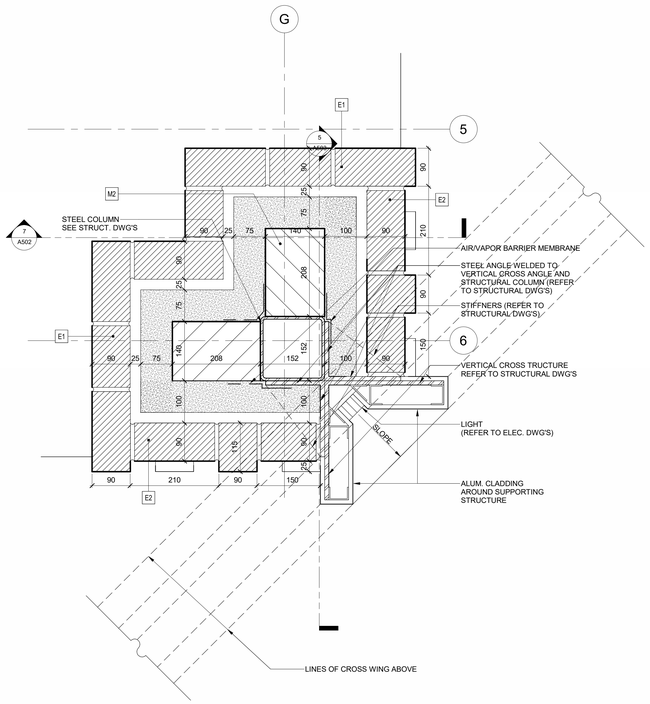
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Drawn by: JW	Checked by: AG
Job No. **2502**	Drawing No. A502

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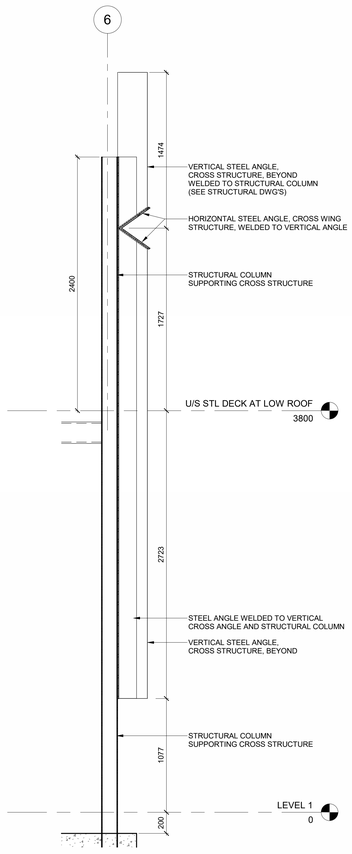
7 PLAN DETAIL-CROSS FROM ABOVE THE WINGS

1 : 5



6 PLAN DETAIL-CROSS FROM BELOW THE WINGS

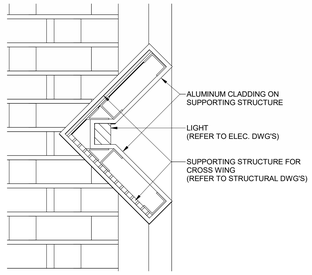
1 : 5



5 SECTION DETAIL - CROSS SUPPORTING STRUCTURE

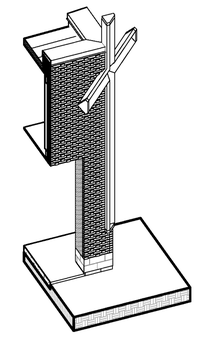
1 : 20 Ref. Det. 7/ A502

ELEVATION LEGEND	
#	DESCRIPTION
1A	CONCRETE BRICK - TAUPE - CMU-BRK
1B	CONCRETE BRICK - TAUPE - ACCENT BRICK PATTERN - CMU-BRK
2A	DECORATIVE CONCRETE MASONRY BLOCK 200x400 - RUNNING BOND - LIGHT GREY - CMU-DEC-1
2B	DECORATIVE CONCRETE MASONRY BLOCK 200X400 - CHARCOAL - CMU-DEC-2
2C	DECORATIVE CONCRETE MASONRY BLOCK 200X400 - STACKBOND - CHARCOAL - CMU-DEC-2
3A	GLAZING - CLEAR VISION GLASS
3B	GLAZING - TRANSLUCENT FRIT GLASS
4	SPANDREL GLASS - LIGHT WHITE
5	PREFINISHED METAL FLASHING
RS	ROOF SCUPPER - SEE TYPICAL DETAIL 8/A612

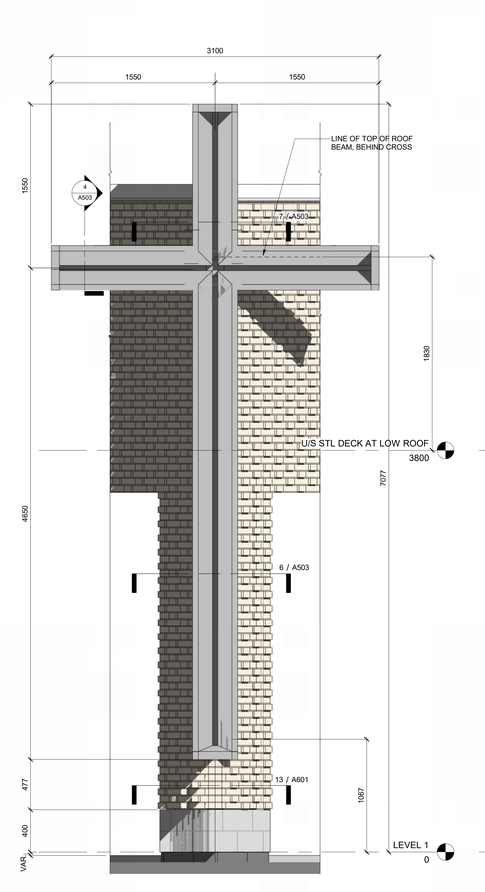


4 SECTION DETAIL - CROSS WING

1 : 5

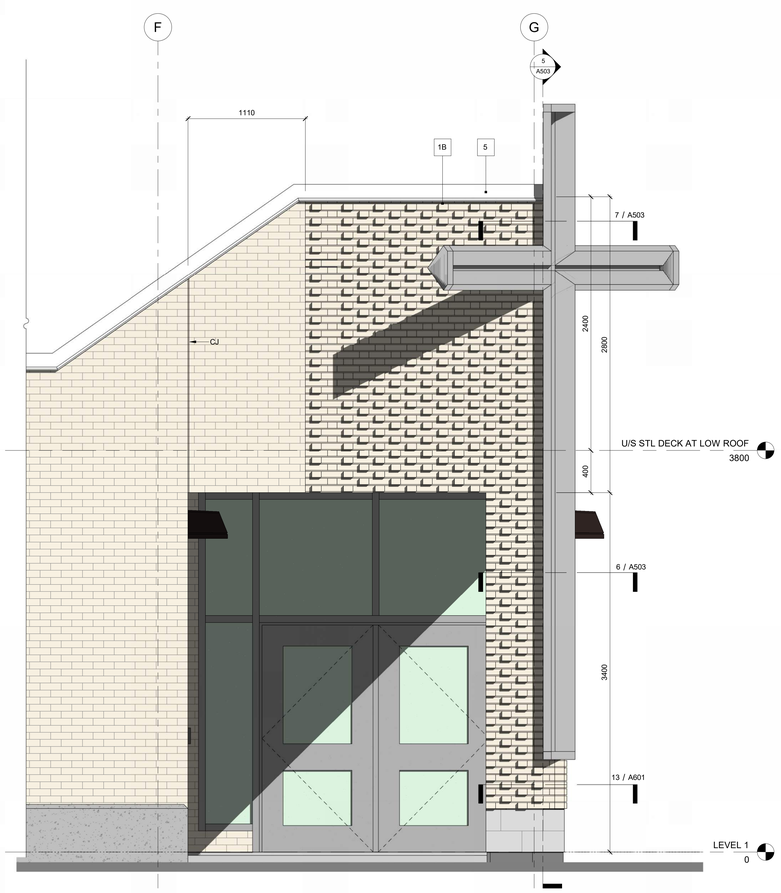


8 CROSS PERSPECTIVE



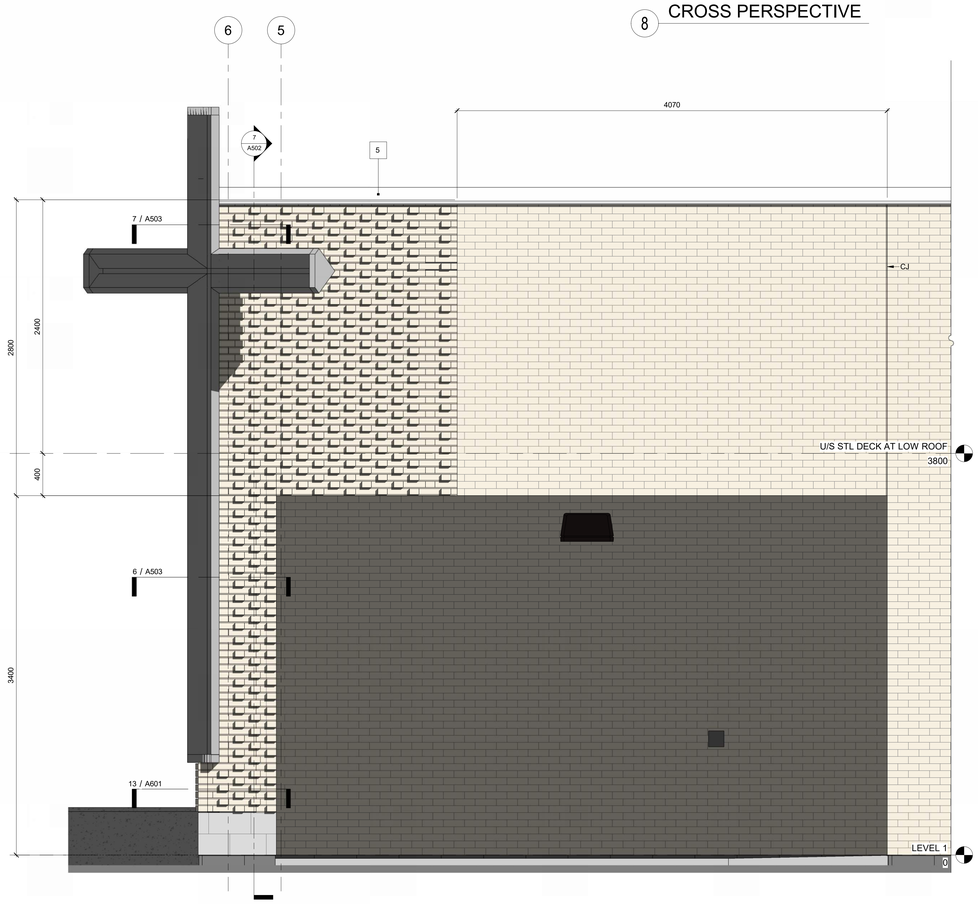
3 CROSS ELEVATION

1 : 20 Ref. Det. 1/ A208



2 BUILDING ELEVATION - FEATURE WALL - EAST

1 : 20 Ref. Det. 4/ A401



1 BUILDING ELEVATION- FEATURE WALL - NORTH

1 : 20 Ref. Det. 6/ A401

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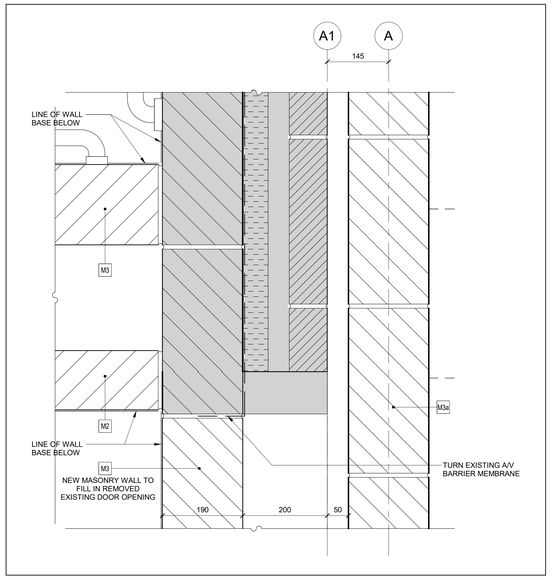
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA ANN MONCRATZ
LICENCE
6559

Drawing Title:

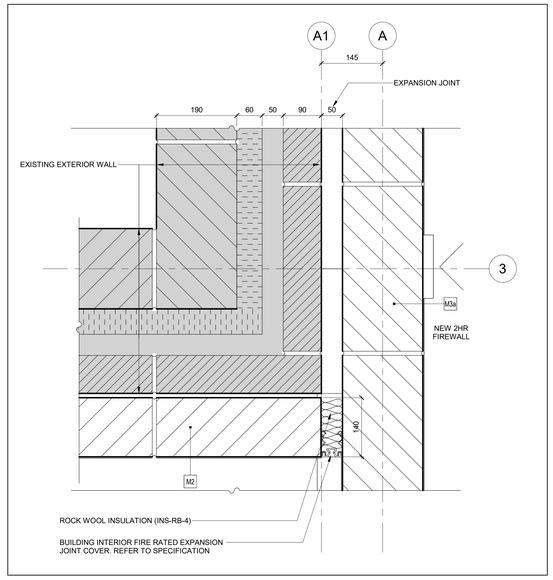
FEATURE WALLS ELEVATIONS AND SECTIONS

Scale: As indicated	Date: FEB. 2024
Drawn by: JW	Checked by: AG
Job No. **2502**	Drawing No. A503

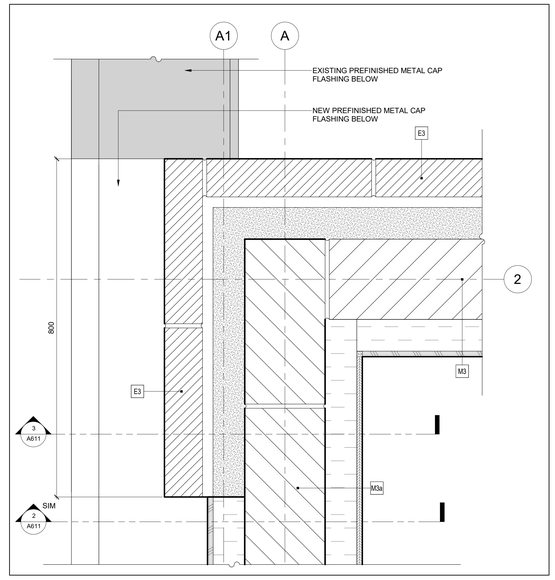
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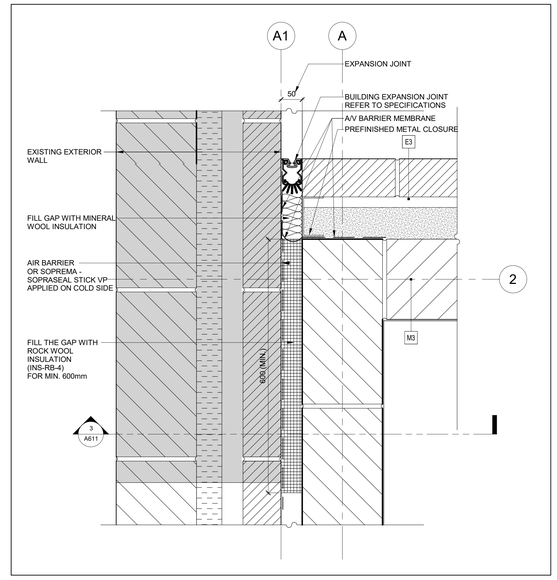
12 PLAN DETAIL-FILLING IN EXISTING DOOR OPENING
1 : 5 Ref. Det. 2/ A208



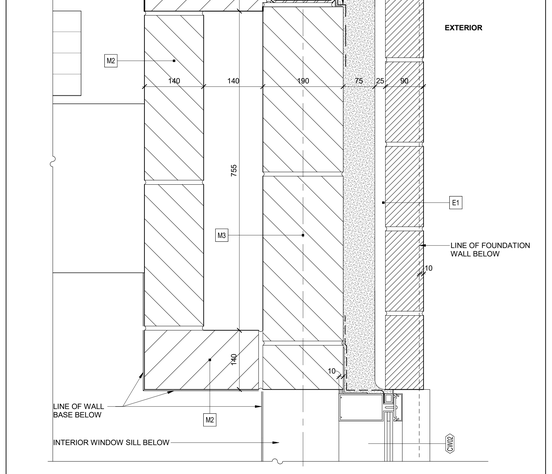
11 PLAN DETAIL - INTERIOR EJ. AT WALL TO WALL CONNETION
1 : 5 Ref. Det. 2/ A208



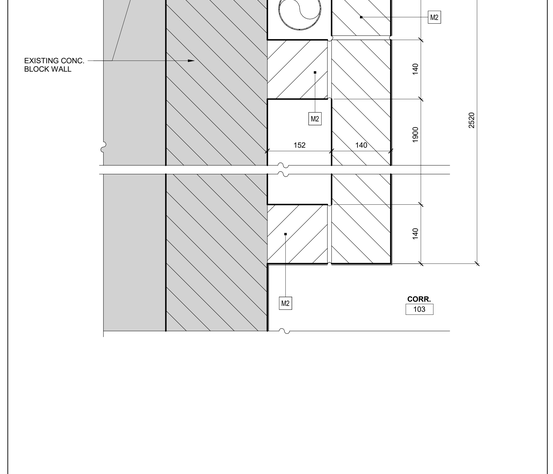
10 PLAN DETAIL-ROOF PARAPET AT ROOF SOUTH CORNERS
1 : 5 Ref. Det. 2/ A210



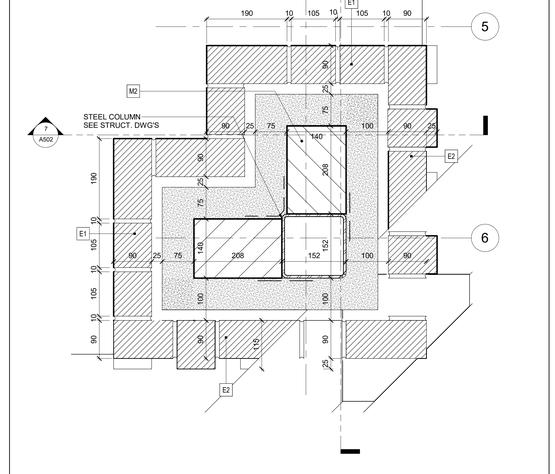
9 PLAN DETAIL - EXTERIOR EXPANSION JOINT
1 : 5 Ref. Det. 2/ A208



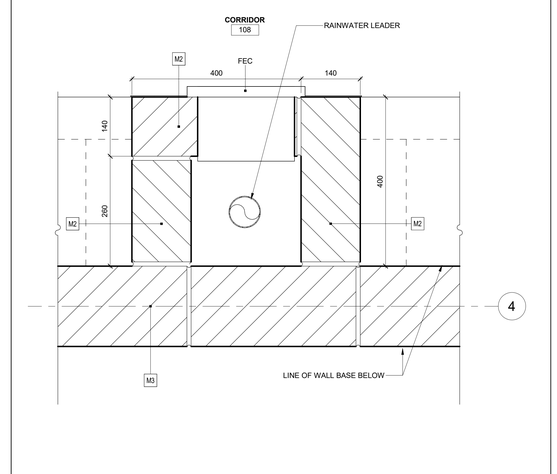
7 PLAN DETAIL-CHASE WALL
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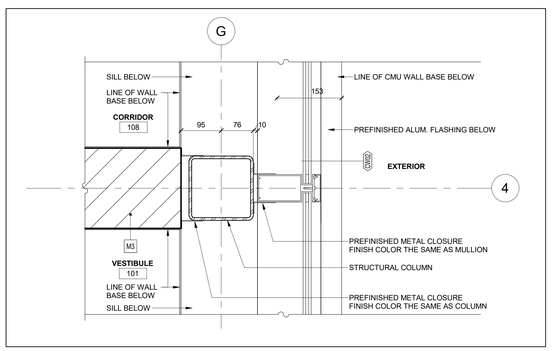
6 PLAN DETAIL-ELEC. CHASE
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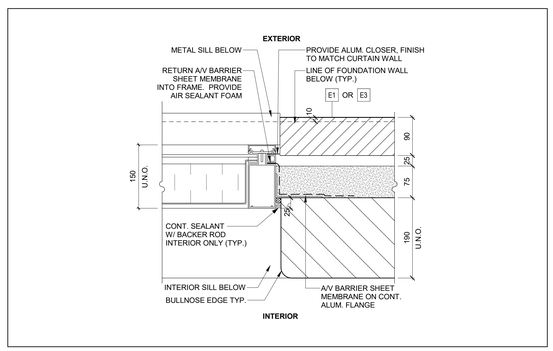
13 PLAN DETAIL-EXTERIOR COLUMN AT BASE
1 : 5 Ref. Det. 2/ A208



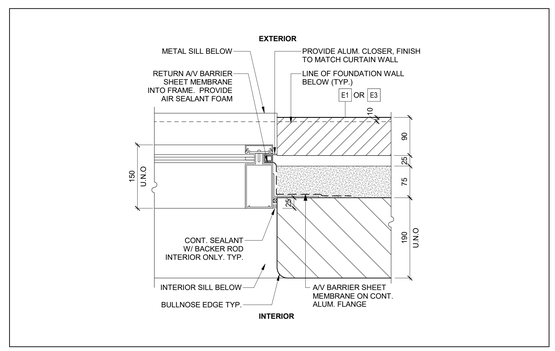
5 PLAN DETAIL-RAIN WATER LEADER ENCLOSURE
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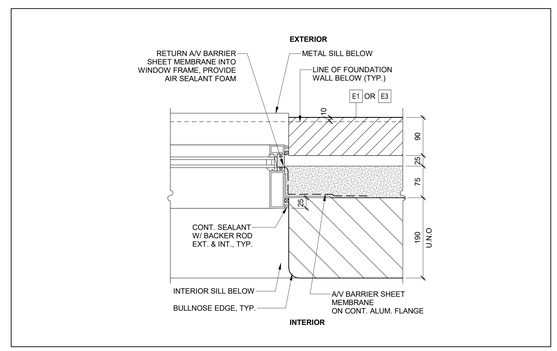
4 PLAN DETAIL-COLUMN @ GL G&4
1 : 5 Ref. Det. 2/ A208



3 PLAN DETAIL - CW SPANDREL JAMB AT MASONRY VENEER
1 : 5



2 PLAN DETAIL - CW JAMB AT MASONRY VENEER
1 : 5 Ref. Det. 2/ A208



1 PLAN DETAIL - WINDOW JAMB AT MASONRY VENEER
1 : 5 Ref. Det. 2/ A208

Simcoe Muskoka Catholic District School Board

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Tel: 647-496-8055

Landscape Consultant
Henry Kortekaas + Associates Inc. (HKLA)
230 Westney Rd S, Suite 308 Ajax, ON, L1S 7P9
Tel: 905-839-5599

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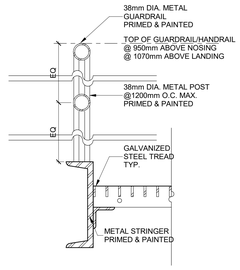
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIE ANNA MINGARD
LICENCE 6559

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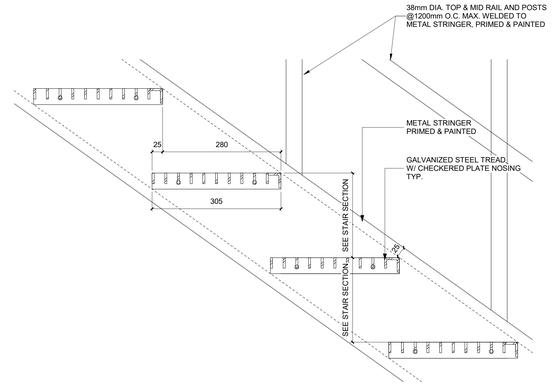
PLAN DETAILS

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Drawn by: MB	Checked by: AG
Job No. **2502**	Drawing No. A601

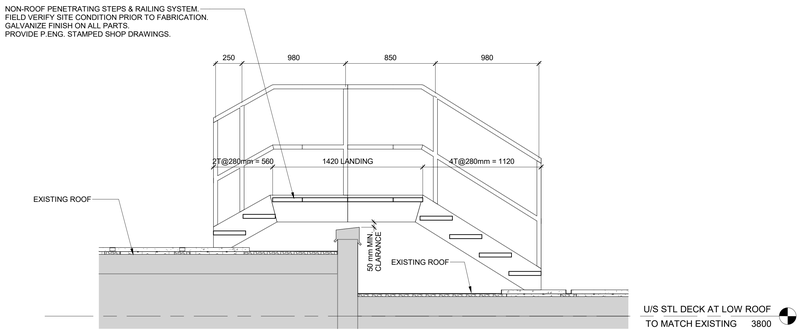
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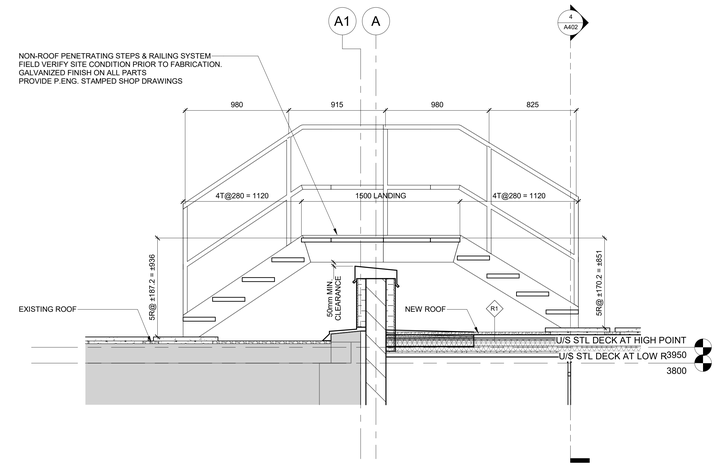
6 Stair Detail-Steel Stair Guardrail/Handrail
1 : 5



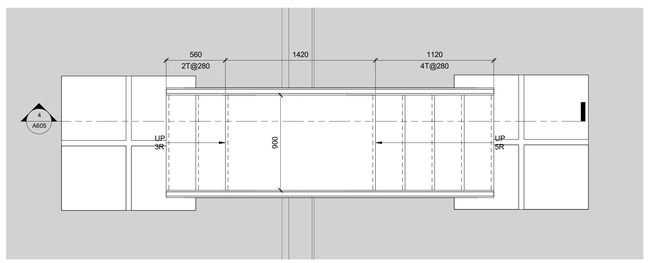
5 Stair Detail-Steel Stairs
1 : 5



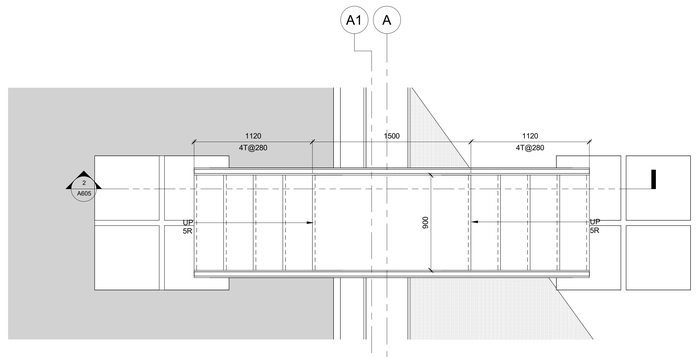
4 STAIR B - SECTION
1 : 20 Ref. Det. 3/ A605



2 STAIR A - SECTION
1 : 20 Ref. Det. 4/ A402



3 STAIR B - ENLARGED PLAN
1 : 20 Ref. Det. 2/ A209



1 STAIR A - ENLARGED PLAN
1 : 20 Ref. Det. 2/ A210

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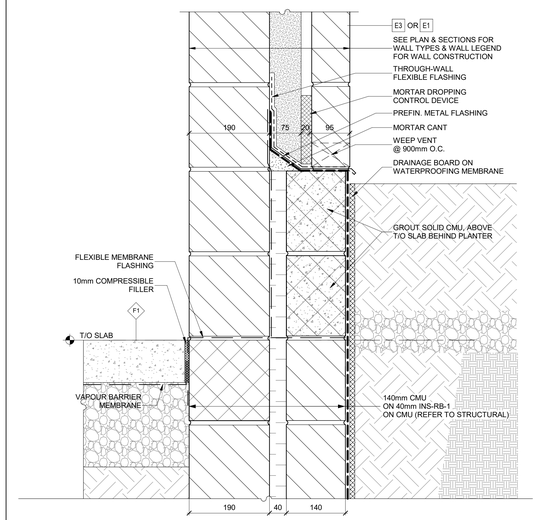
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA LUZ MONCADA
LICENCE 6659

Drawing Title:

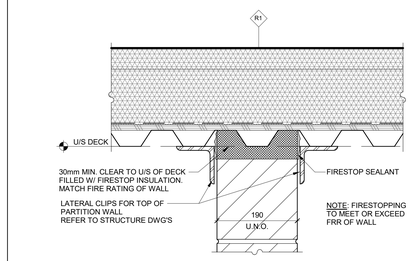
STAIRS PLAN & SECTIONS

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Job No.	**2502**	Drawing No.	A605

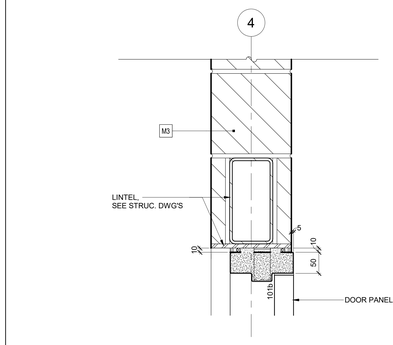
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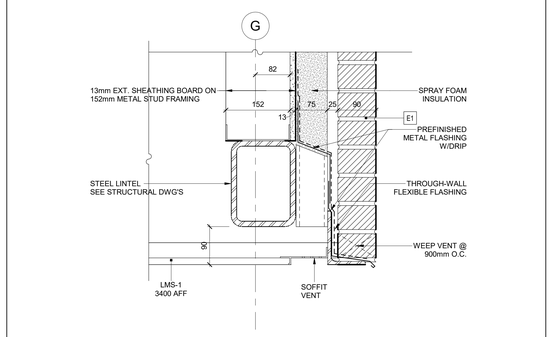
12 Section Detail - Foundation Wall at Planter
1 : 5 Ref. Det. 8/ A501



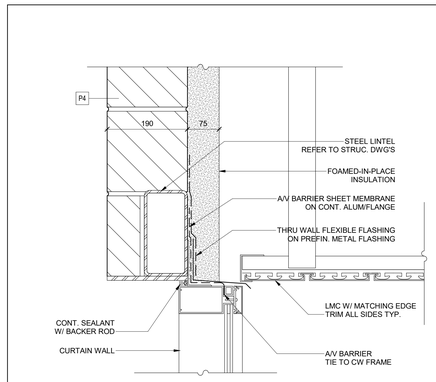
15 Section Detail - Typ. Interior Masonry @ Deck
1 : 5 Ref. Det. 5/ A502



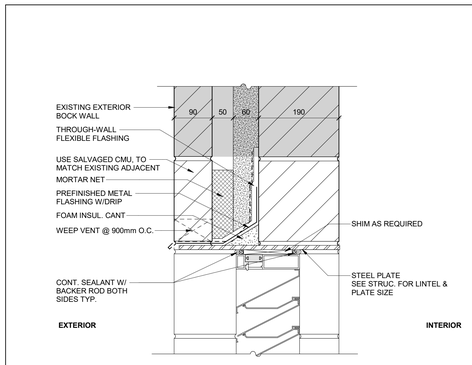
14 SECTION DETAIL @ DOOR HEAD
1 : 5 Ref. Det. 4/ A502



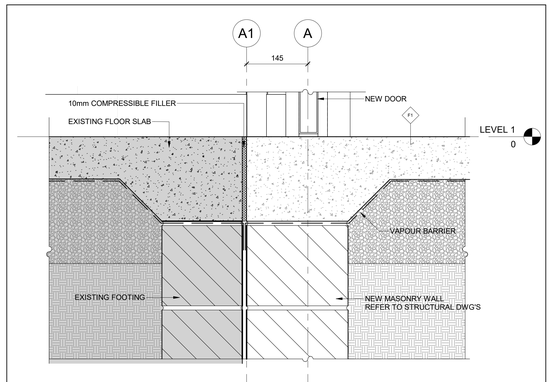
13 Section Detail - Soffit Edge
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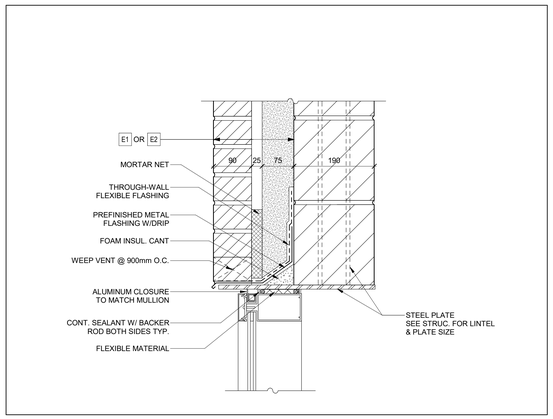
11 Section Detail - LMS @ CURTAIN WALL
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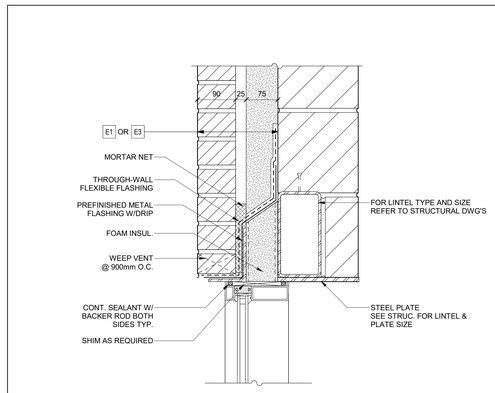
10 Section Detail - Louvre Head @ Double Wythe Masonry
1 : 5 Ref. Det. 10/ A501



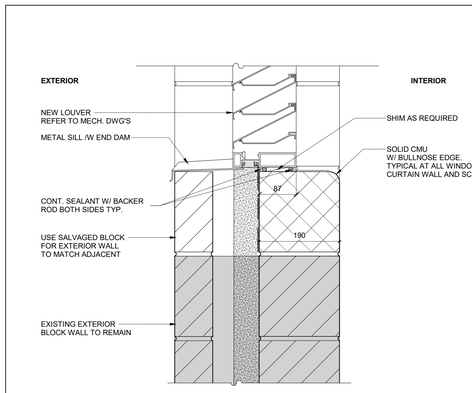
4 Section Detail - Floor Existing and New Buildings Connection
1 : 5 Ref. Det. 1/ A501



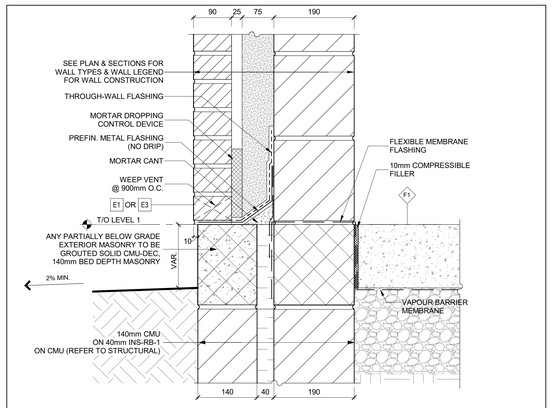
9 Section Detail - CW Head @ Masonry
1 : 5 Ref. Det. 1/ A502



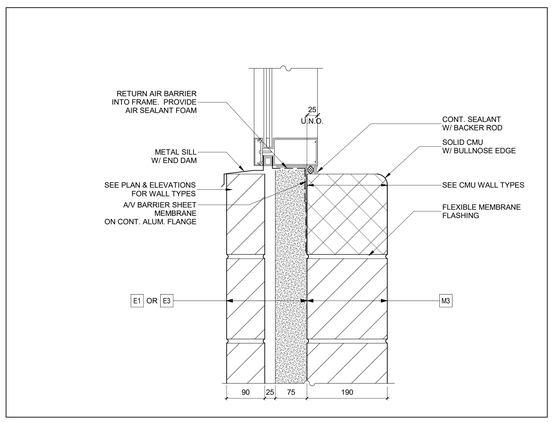
8 Section Detail - Window Head @ Masonry
1 : 5 Ref. Det. 4/ A501



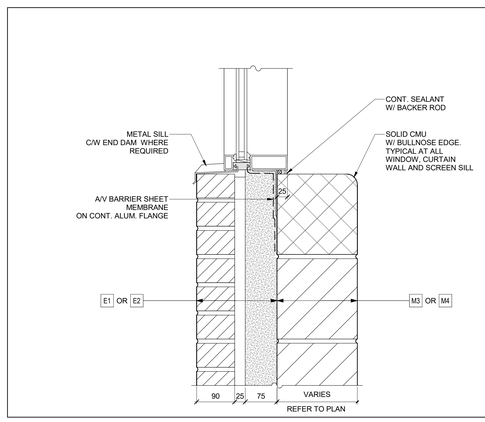
7 Section Detail - Louvre Sill @Masonry Veneer
1 : 5 Ref. Det. 10/ A501



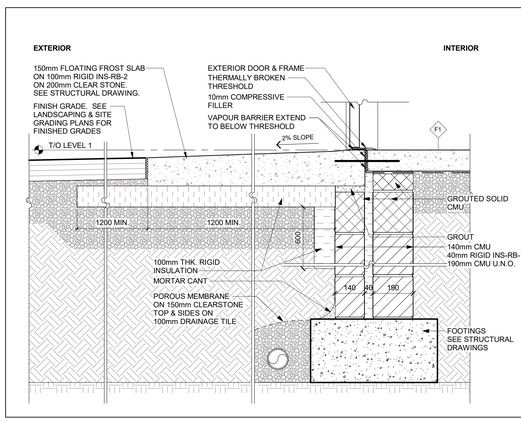
3 Section Detail - Foundation at Slab on Grade
1 : 5 Ref. Det. 3/ A501



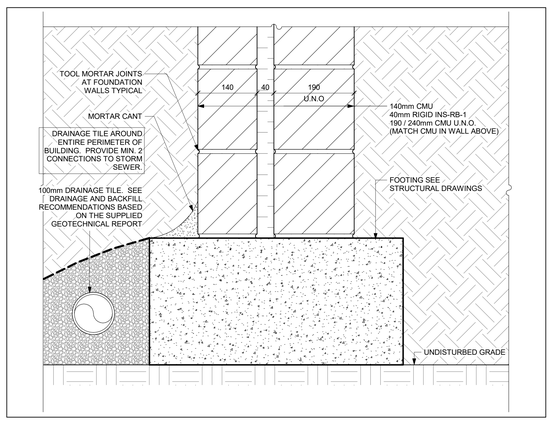
6 Section Detail - CW SILL @Masonry Veneer
1 : 5 Ref. Det. 4/ A501



5 Section Detail - Window Sill @Masonry Veneer
1 : 5 Ref. Det. 8/ A501



2 Section Detail-Floating Frost Slab
1 : 10 Ref. Det. 7/ A501



1 Section Detail - Foundation Typ
1 : 5 Ref. Det. 3/ A501

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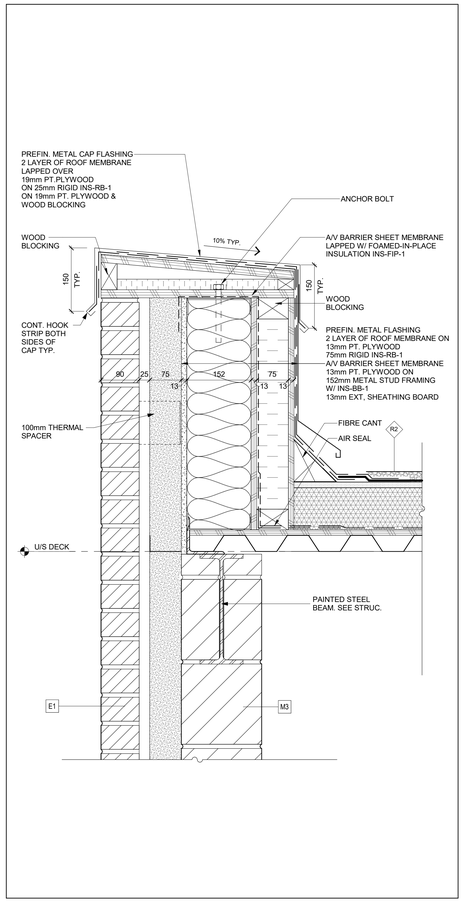
ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
ROCHELLE MARIA MALCARTNEY
LICENCE 6059

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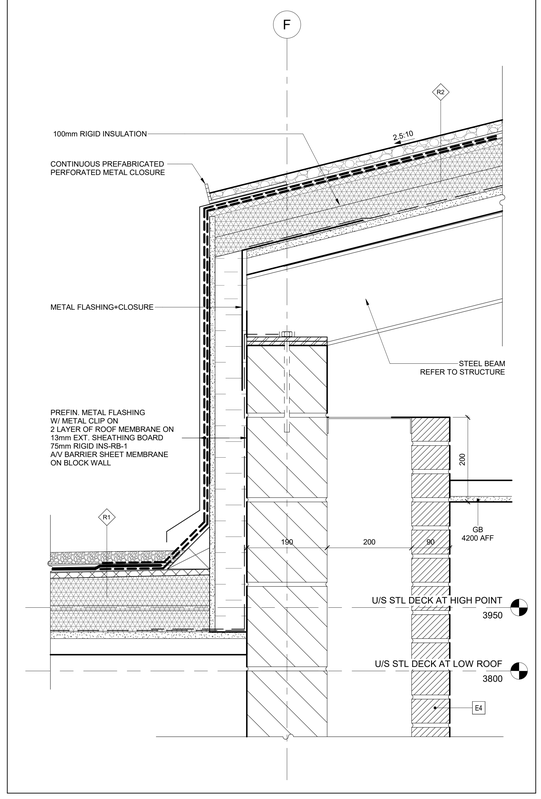
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Job No. **2502**	Drawing No. A610

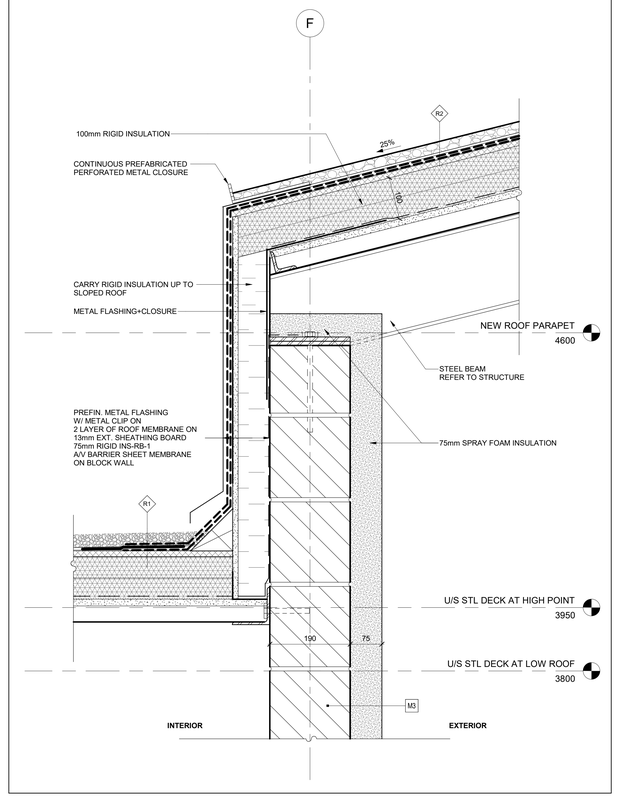
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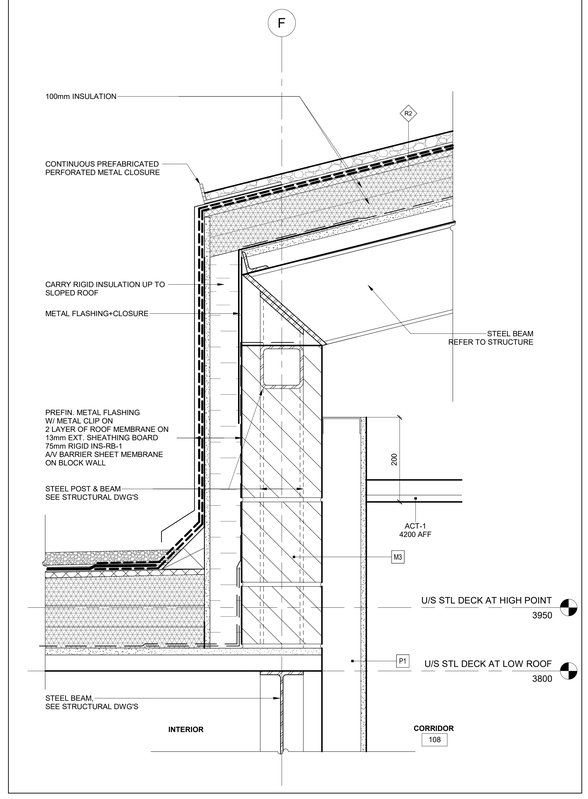
8 Section Detail - Parapet @ Masonry Veneer & Stud Wall
1 : 5 Ref. Det. 1/ A502



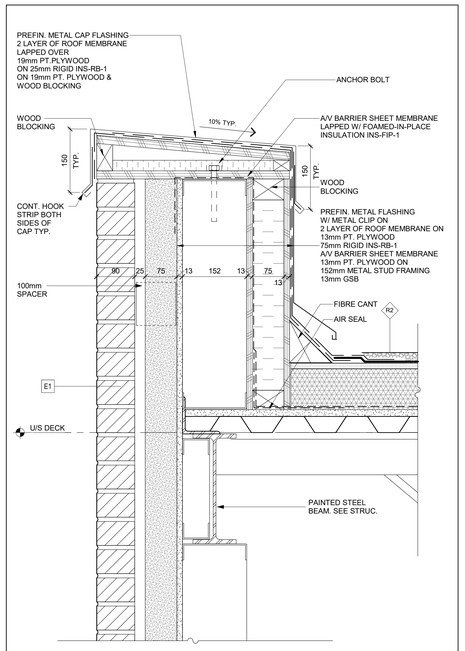
7 SECTION DETAIL - AT VESTIBULE-101 BRICK WALL
1 : 5 Ref. Det. 8/ A502



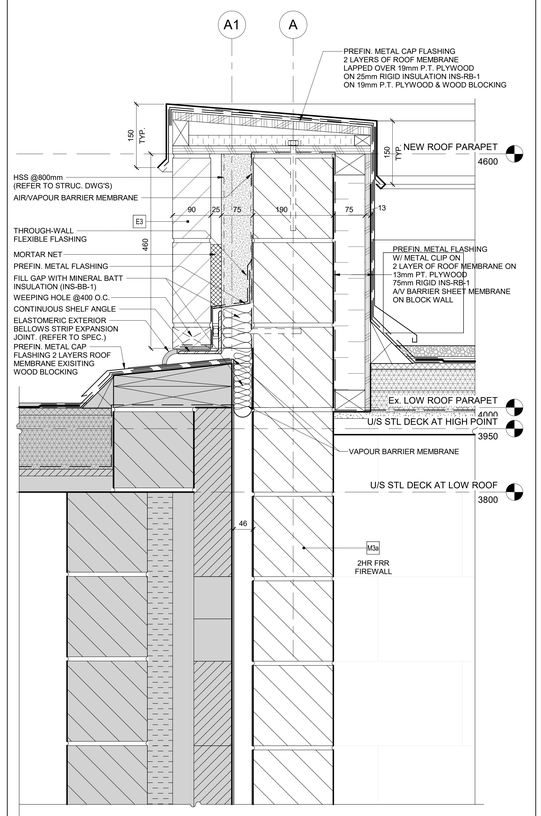
6 Section Detail - Sloped Roof @ Block Wall
1 : 5 Ref. Det. 2/ A502



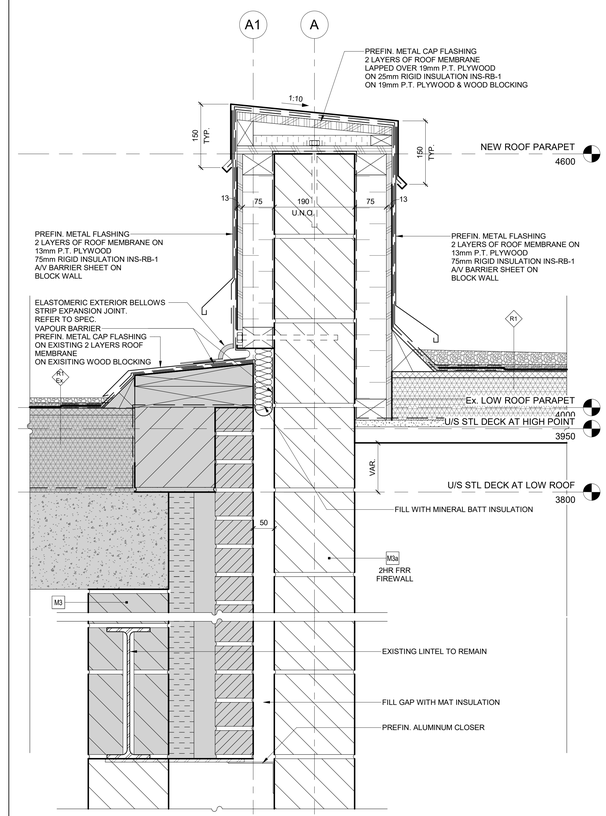
5 Section Detail - Sloped Roof @ Corridor
1 : 5 Ref. Det. 1/ A501



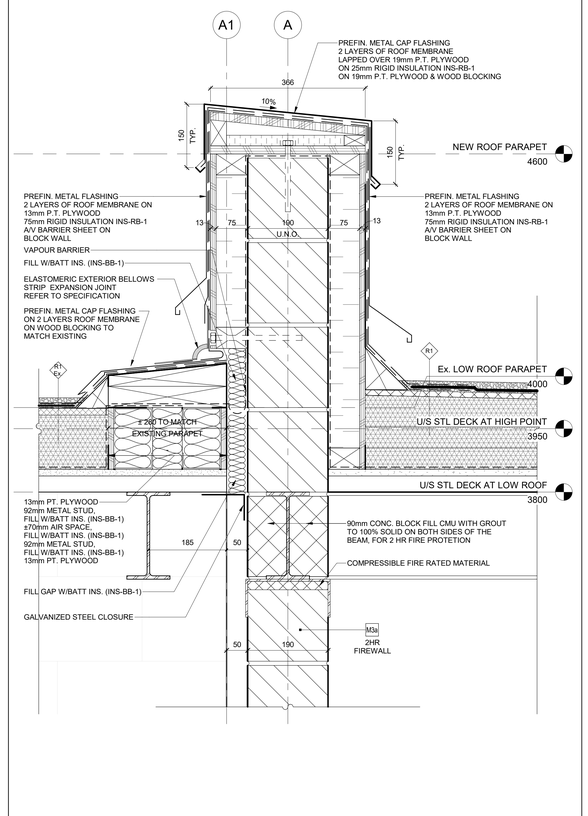
4 Section Detail - Parapet @ Masonry Veneer @ Canopy
1 : 5 Ref. Det. 2/ A502



3 Section Detail - Expansion Joint @ Roof Corner
1 : 5 Ref. Det. 2/ A210



2 Section Detail - Expansion Joint @ Roof
1 : 5 Ref. Det. 2/ A501



1 Section Detail - Roof Expansion Joint Between GL-3 & 4
1 : 5 Ref. Det. 1/ A501

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2	Issued for Permit	2026 04 24
1	Issued for 80% Progress Set	2026 02 10
No	Revision	Date

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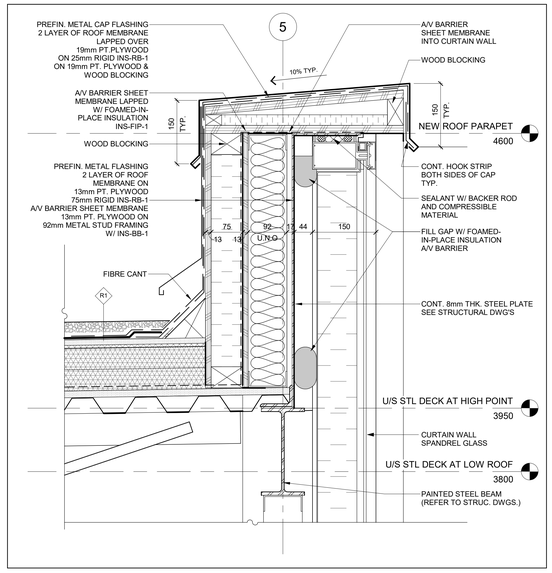
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA NAZIR MONCARZ
LICENCE
6559

Drawing Title:

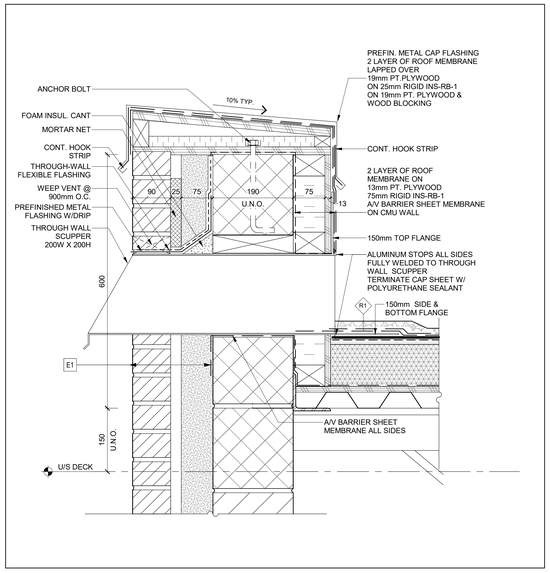
SECTION DETAILS-PARAPET

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Drawn by:	MB	Checked by:	AG
Job No.	2502	Drawing No.	A611

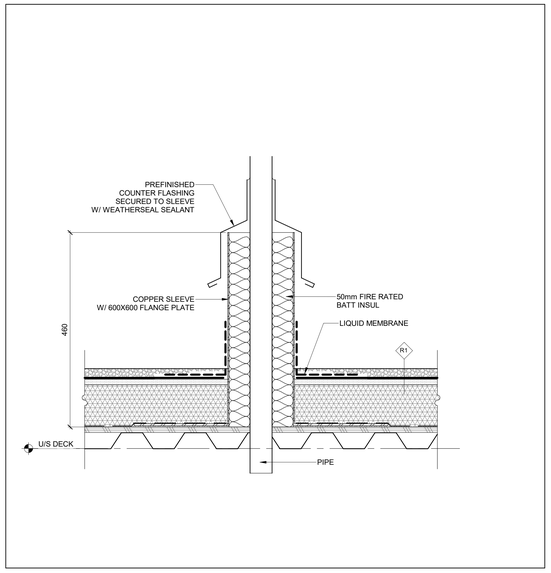
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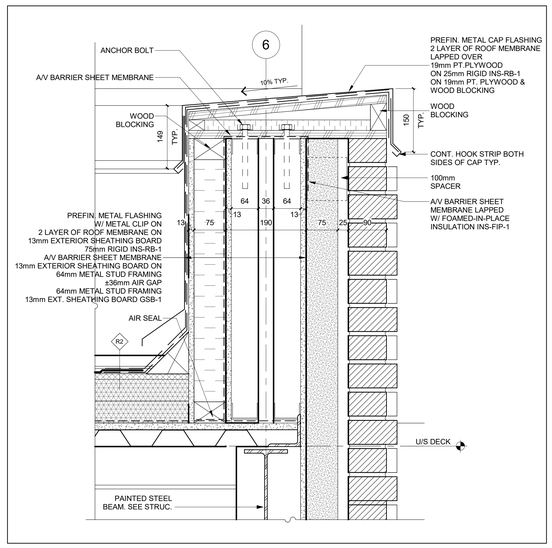
11 Section Detail-Para[et @ Curtain Wall
1 : 5



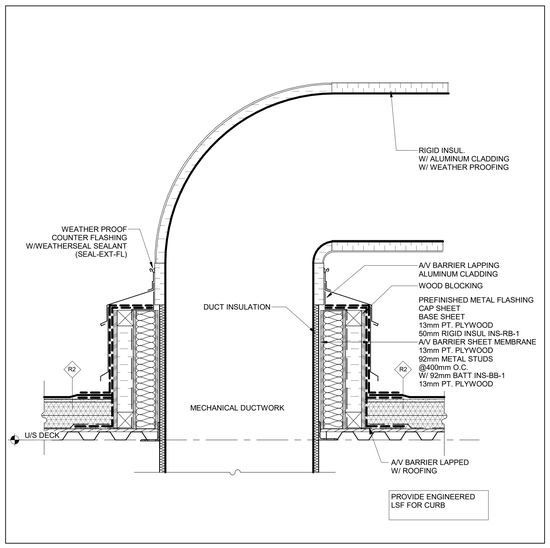
8 Section Detail - Scupper
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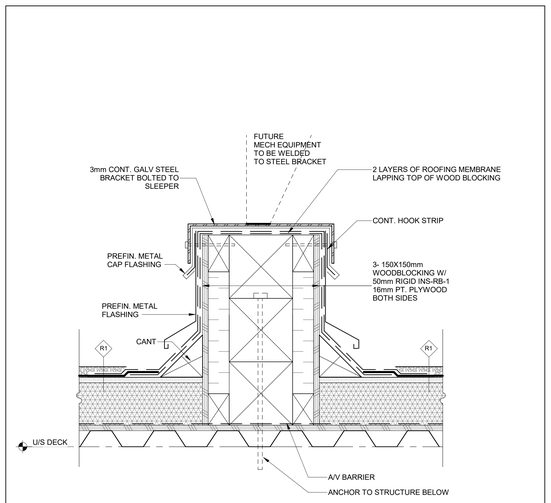
7 Section Detail-Roof Pipe Sleeve
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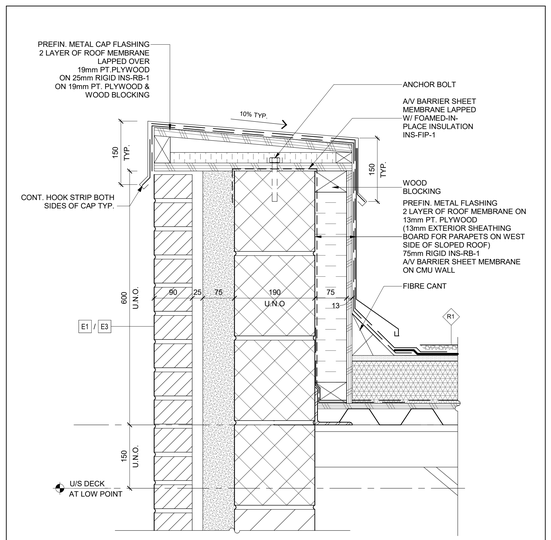
10 Section Detail-Parapet Above Canopy
1 : 5 Ref. Det. 5/ A501



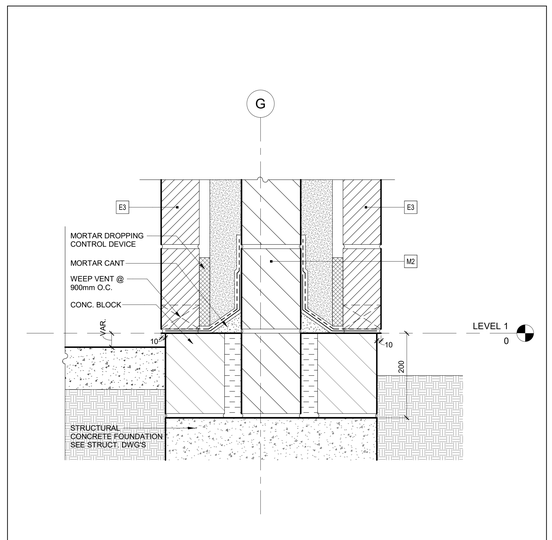
6 Section Detail-Roof Penetration (Single Duct)
1 : 10



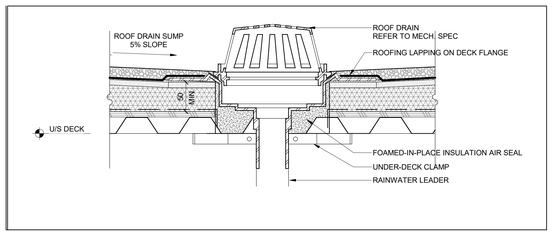
5 Section Detail - Roof Wood Blocking Sleeper
1 : 5



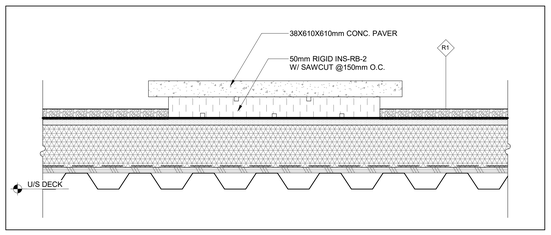
12 Section Detail - Parapet @ Masonry Veneer Typ.
1 : 5 Ref. Det. 3/ A501



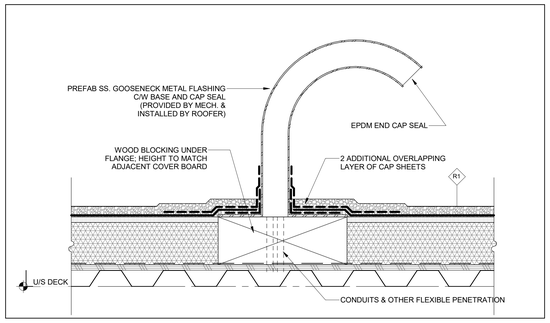
9 Section Detail - Exterior Column Base
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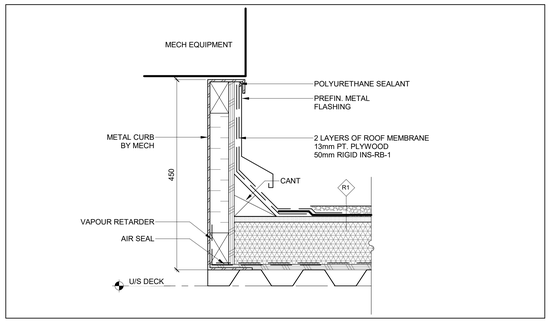
4 Typical Section Detail - Roof Drain
1 : 5



3 Section Detail - Roof Conc. Paver
1 : 5



2 Section Detail - Gooseneck Detail For Flexible Conduit
1 : 5



1 Section Detail - Roof Metal Curb
1 : 5

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Henry Kortekaas + Associates Inc. (HKLA)
230 Westney Rd S, Suite 308
Ajax, ON, L1S 7P9
Tel: 905-839-5599

No.	Revisions	Date
5	Issued for Tender	2026 11 12
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2	Issued for Permit	2026 04 24
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No	Revision	Date

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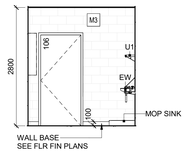
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIE MANALO BERNARDO
LICENCE
6559

Drawing Title:

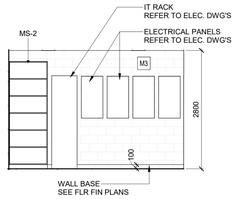
SECTION DETAILS - MISCELLANEOUS

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Drawn by:	MB	Checked by:	AG
Job No.	**2502**	Drawing No.	A612

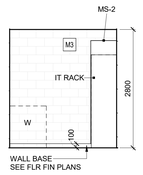
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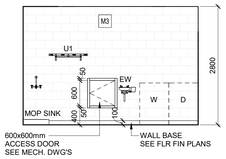
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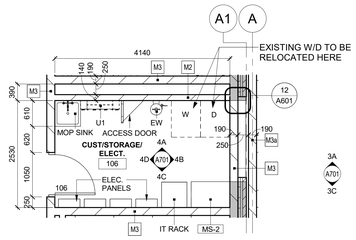
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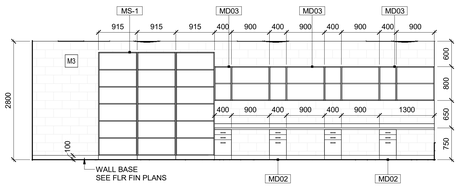
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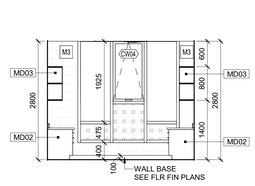
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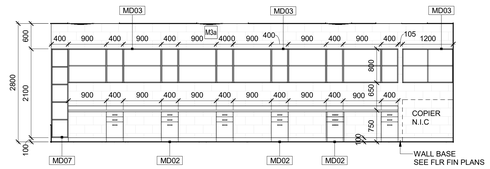
4 CUSTODIAN/STORAGE/ELECTRICAL ENLARGED PLAN
1 : 50 Ref. Det. 2/ A208



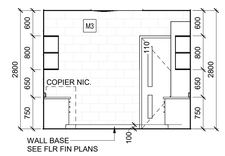
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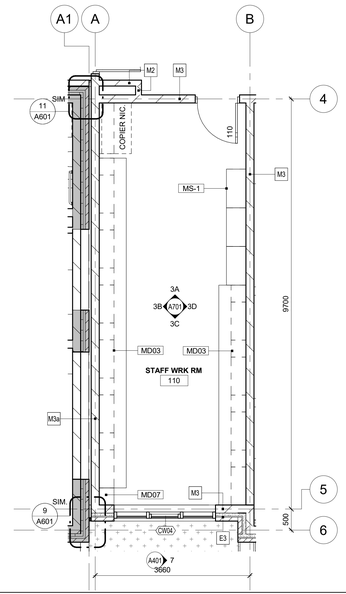
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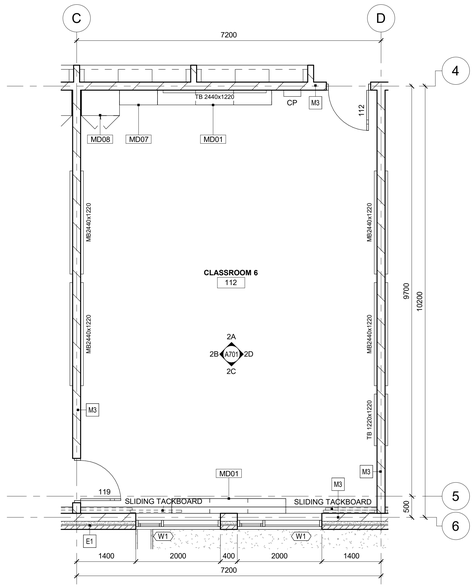
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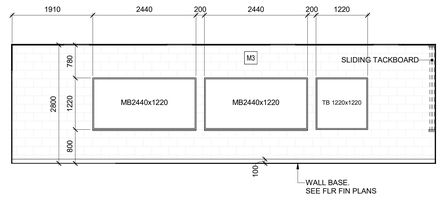
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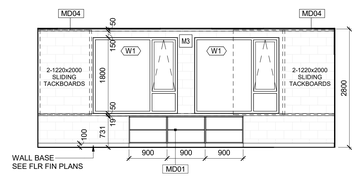
3 STAFF WORK ROOM ENLARGED PLAN
1 : 50 Ref. Det. 2/ A208



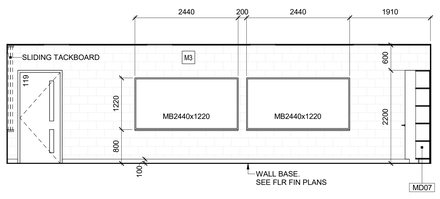
2 TYPICAL CLASSROOM ENLARGED PLAN
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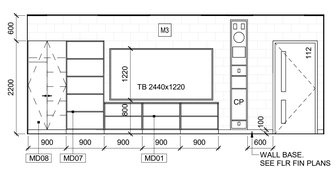
2D TYPICAL CLASSROOM INT. ELEV. LEFT
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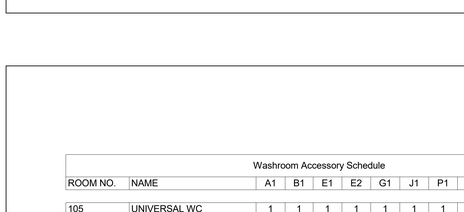
2C TYPICAL CLASSROOM INT. ELEV. BACK
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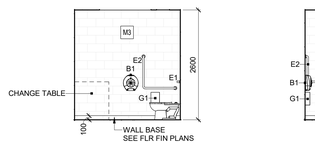


2B TYPICAL CLASSROOM INT. ELEV. RIGHT
1 : 50

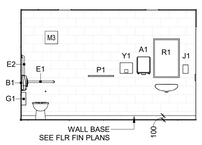


2A TYPICAL CLASSROOM INT. ELEV. FRONT
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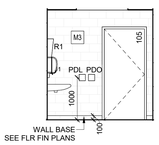




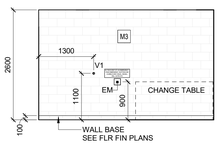
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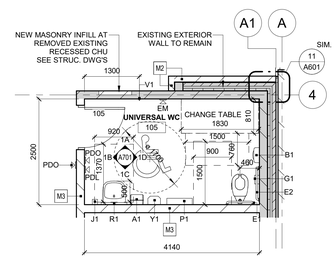
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1B INT. ELEV. 1B
1 : 50

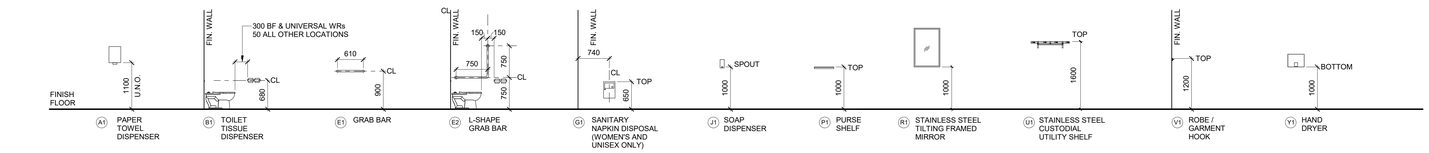


1A INT. ELEV. 1A
1 : 50



1 UNIVERSAL WASHROOM ENLARGED PLAN
1 : 50 Ref. Det. 2/ A208

WASHROOM ACCESSORIES LEGEND:



WASHROOM ACCESSORIES LEGEND NOTES:

1. ALL WASHROOM ACCESSORIES IN WASHROOMS ACCESSIBLE BY THE PUBLIC TO COMPLY WITH OBC 3.8.3.
2. UNIVERSAL WASHROOM TO COMPLY WITH OBC 3.8.3 & OBC 3.8.3.12.
3. PAPER TOWEL DISPENSER (A1), TOILET PAPER DISPENSER (B1), AND SOAP DISPENSER (J1) ARE NOT IN CONTRACT. THESE ITEMS TO BE SUPPLIED BY OWNER AND INSTALLED BY SUB-CONTRACTOR.
4. HAND DRYER (Y1) TO BE SUPPLIED & INSTALLED BY ELECTRICAL
5. TOILET BACKREST (Z1) TO BE SUPPLIED BY MECH. & INSTALLED BY SC-01.
6. SUPPLY AND INSTALL 1 CUSTODIAL UTILITY SHELF IN EACH CUSTODIAN AND RECEIVING ROOM.
7. CHANGE TABLES ARE N.I.C. REINFORCE WALL BEHIND, TYP.

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON
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RDZ Engineering Limited
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Civil Consultant
Flora Designs Inc.
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Landscape Consultant
Henry Kortekaas + Associates Inc. (HKLA)
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Tel: 905-839-5599

Project North / True North

No.	Revisions	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17
No	Revision	Date

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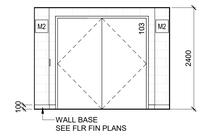
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA ANN MARIE MARQUARD
LICENCE 6559

Drawing Title:

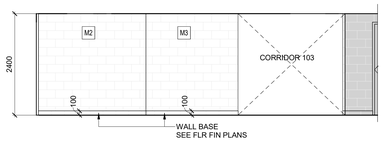
ENLARGED PLANS & INTERIOR ELEVATIONS

Scale: 1 : 50	Date: FEB. 2024
Drawn by: JW	Checked by: AG
Job No. **2502**	Drawing No. A701

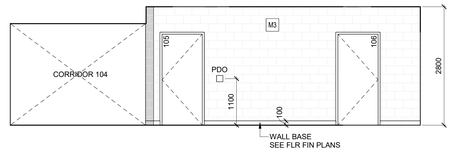
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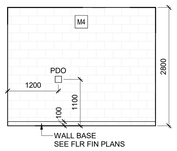
21 CORRIDOR 104 - B
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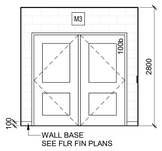
20 CORRIDOR 104 - A
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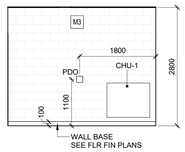
19 CORRIDOR 103 - A
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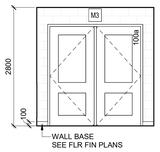
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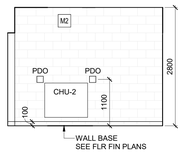
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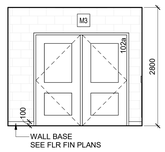
16 VES. 100 - B
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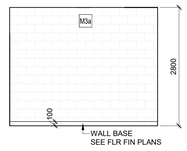
15 VES. 100 - A
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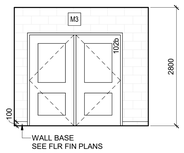
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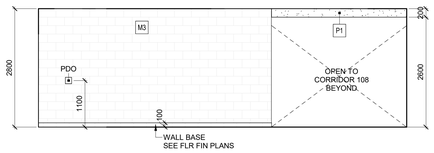
13 VES. 102 - C
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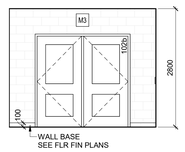
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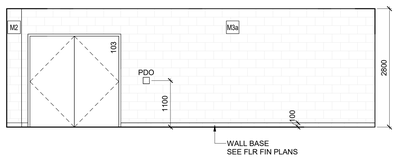
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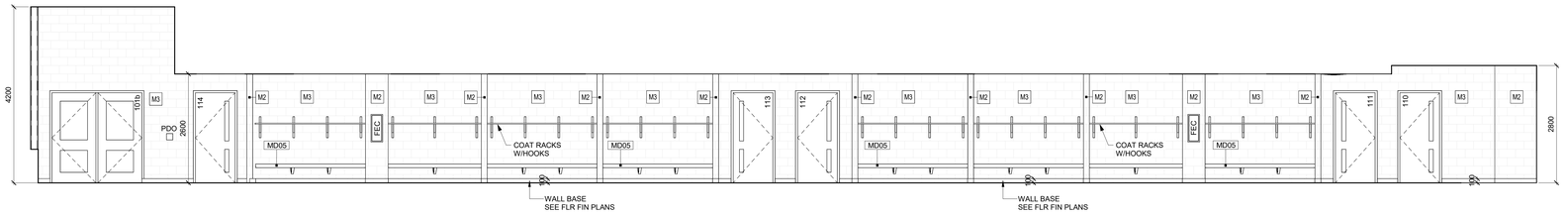
10 CORRIDOR 109 - C
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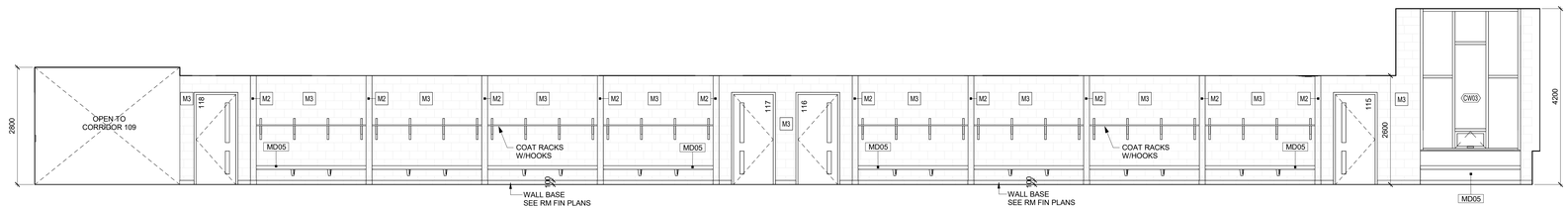
9 CORRIDOR 109 - B
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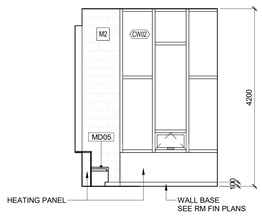
8 CORRIDOR 109 - A
1 : 50 Ref. Det. 2/ A208



7 CORRIDOR 108 - C
1 : 50 Ref. Det. 2/ A208



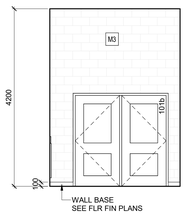
6 CORRIDOR 108 - B
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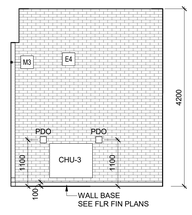
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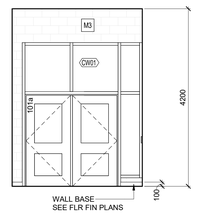
4 VEST. 101 - D
1 : 50 Ref. Det. 2/ A208



3 VEST. 101 - C
1 : 50 Ref. Det. 2/ A208



2 VEST. 101 - B
1 : 50 Ref. Det. 2/ A208



1 VEST. 101 - A
1 : 50 Ref. Det. 2/ A208

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON
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Landscape Consultant
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Ajax, ON, L1S 7P9
Tel: 905-839-5599

No.	Revisions	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17
No	Revision	Date

This drawing is sized for 36"x48" sheet size.
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General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

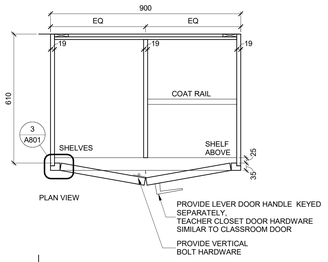
ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARINAUX MACCARS
LICENCE 6559

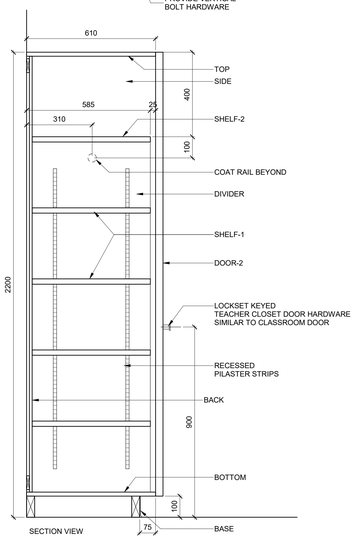
Drawing Title:

INTERIOR ELEVATIONS - CORRIDORS

Scale:	1 : 50	Date:	FEB. 2024
Drawn by:	JW	Checked by:	AG
Job No.	**2502**	Drawing No.	A702

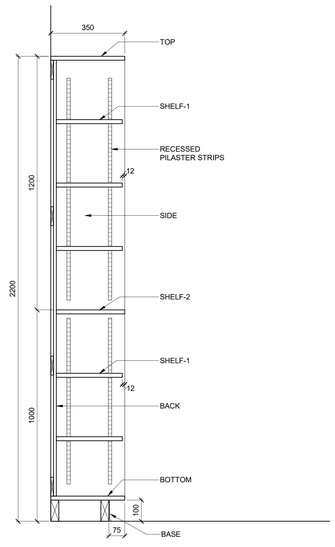
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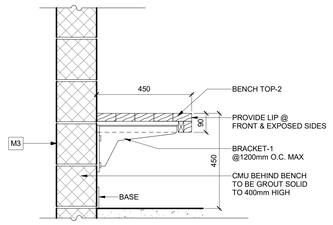
MD08 - TEACHER'S CLOSET

1 : 10



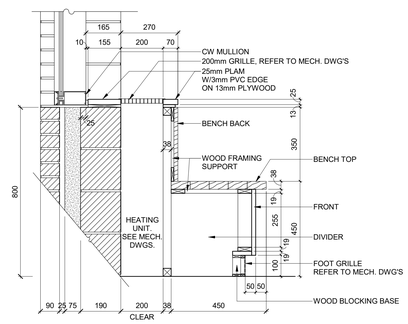
MD07 - HIGH SHELVING

1 : 10



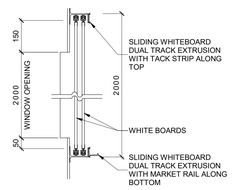
MD06 - CORRIDOR BENCH

1 : 10



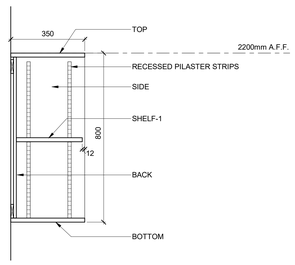
MD05 - LOBBY BENCH

1 : 10



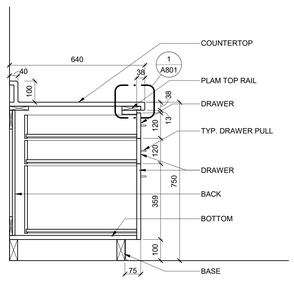
MD04 - SLIDING WHITE BOARD

1 : 10



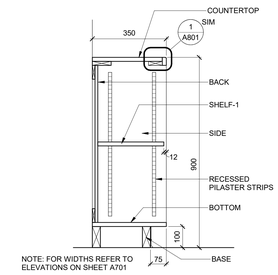
MD03 - UPPER CABINET

1 : 10



MD02 - BASE CABINET

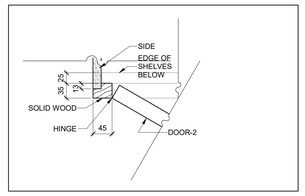
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NOTE: FOR WIDTHS REFER TO ELEVATIONS ON SHEET A701

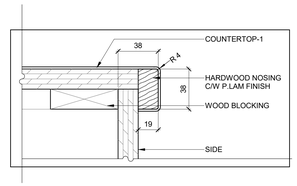
MD01 - LOW BOOK SHELVING W/ ADJUSTABLE SHELVES

1 : 10



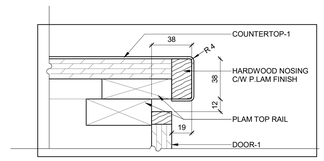
3 MW PLAN DETAIL - TYPICAL (CLOSET JAMB)

1 : 5



2 MWE2 - Typical Edge @ Fixed Panel

1 : 2



1 MWE1 - Typical Edge

1 : 2

TYPICAL MILLWORK CONSTRUCTION:

COUNTERTOP
PLAM ON 19mm PARTICLE BOARD; 100mm HIGH COVED INTEGRAL BACKSPLASH WHERE INDICATED ON DRAWING.
SQUARED MILLWORK EDGE (TYP) PER DETAIL MWE1 & MWE2.

FRONT / TOP / BOTTOM / SIDE / DIVIDER / PANEL
19mm MCP FINISHED BOTH SIDES W/3mm PVC EDGE U.N.O.

SHELF-1
ADJUSTABLE SHELVING TO BE 25mm MCP FINISHED BOTH SIDES W/3mm PVC EDGE U.N.O.

SHELF-2
FIXED SHELVING TO BE 25mm MCP FINISHED BOTH SIDES W/3mm PVC EDGE U.N.O.

DOOR-1
19mm MCP W/3mm PVC EDGE U.N.O. PROVIDE TYPICAL DOOR PULL.

DOOR-2
35mm SOLID CORE WOOD DOOR WITH MCP FINISH ON BOTH SIDES. REFER TO HARDWARE SCHEDULE FOR DOOR HARDWARE.

DRAWER
BLUM METABOX DRAWER BODY & SIDE, 19mm MCP FRONT W/3mm PVC EDGE. PROVIDE TYPICAL DRAWER PULL.

BACK
13mm MCP.

BENCH TOP
38mm THK. MAPLE WOOD SLATS (NO GAP) STAINED. SECURED TO FRAME FROM BELOW.

BENCH BACK
19mm THK. MAPLE WOOD SLATS (NO GAP) STAINED.

NOTES:

1. PROVIDE CONTINUOUS WOOD BLOCKING BEHIND MILLWORK AS NECESSARY; PROVIDE SEALANT @ MILLWORK / WALL / FLOOR INTERSECTIONS TO BE PROVIDED WITH FILLER PANELS, SIZED AS REQUIRED TO ENCLOSE ENDS AT ADJACENT UNIT OR WALLS.
2. FOR MILLWORK INSTALLATION @ DRYWALL PROVIDE CONTINUOUS BLOCKING AS NECESSARY.
3. ALL LOWER MILLWORK IN STAFF WORKROOM TO BE LOCKABLE. PROVIDE AUTOMATIC CATCH.
4. ALL MILLWORK WITHIN A ROOM TO BE KEYED ALIKE, EXCEPT AS NOTED IN SENTENCE 5 BELOW.
5. TEACHERS CLOSET KEYED SEPARATELY AS PER BOARDS REQUIREMENT.
6. SITE MEASURE AREAS RECEIVING MILLWORK FOR OVERALL MEASUREMENTS AND ADJUST MILLWORK AS REQUIRED BY SITE CONDITIONS.
7. COORDINATE WITH MECH. AND ELEC. REQUIREMENTS FOR ALL SERVICE CUT-OUTS AND PROVISIONS.
8. SUBMIT SHOP DRAWING PRIOR TO FABRICATION.

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
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ONTARIO ASSOCIATION OF ARCHITECTS
JEREMY WILLIAM ROCHELEAU-MACKAY
LICENCE 6509

Drawing Title:

MILLWORK DETAILS

Scale:	As indicated	Date:	FEB. 2024
Drawn by:	JW	Checked by:	AG
Job No.	2502	Drawing No.	A801

PRINTED2026-11-13 11:33:21 AM

GENERAL NOTES:

1. ALL GLAZING ASSEMBLIES, INCLUDING ALUMINUM AND HOLLOW METAL FRAMES AND GLAZING, TO BE DESIGNED AS A GUARD, PER OBC, WHERE THE SILL IS BELOW 1070mm AND THE CHANGE IN ELEVATION ON EITHER SIDE OF THE GLAZING ASSEMBLY IS GREATER THAN 600mm
2. ALL EXTERIOR DOORS AND SCREENS GLAZING TO BE SEALED INSULATED GLASS UNIT "SIG-CLR-1" UNLESS NOTED OTHERWISE.
3. ALL SPANDREL PANELS (SHOWN SHADED) TO BE SGP-CLR-1 U.N.O., SGP-CLR-1 DENOTES GLAZED SPANDREL PANEL W/ INS-SR-1 INSULATION
4. GROUND FLOOR OPERABLE VENT - TRAVEL RESTRICTED, NOT TO PROJECT BEYOND FACE OF THE WALL (MAXIMUM 100mm PROJECTION)
5. ALL NECESSARY SITE MEASUREMENTS PRIOR TO PREFABRICATION OF ALL CURTAIN WALLS AND WINDOWS
6. SEE WINDOW & CURTAINWALL ROLLER SHADE SCHEDULE.

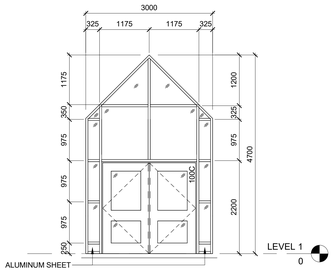
GLAZING GRAPHIC LEGEND:

TRANSLUCENT FRIT GLASS

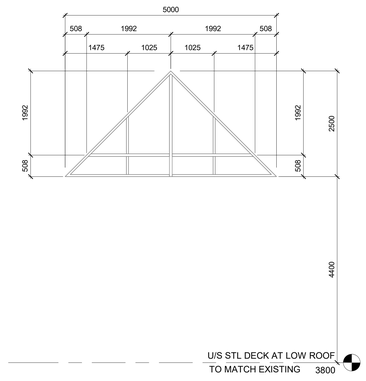
SPANDREL PANEL

CLEAR VISION GLASS

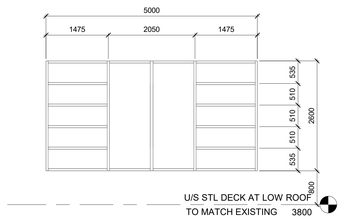
OPERABLE AWNING WINDOW



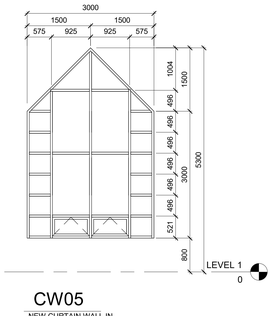
CW08
NEW CURTAIN WALL IN EXISTING OPENING



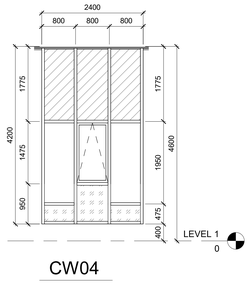
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NEW CURTAIN WALL IN EXISTING OPENING



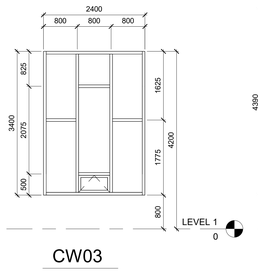
CW06
NEW CURTAIN WALL IN EXISTING OPENING



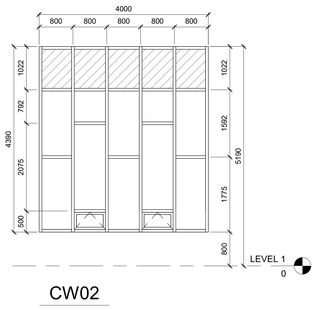
CW05
NEW CURTAIN WALL IN EXISTING OPENING



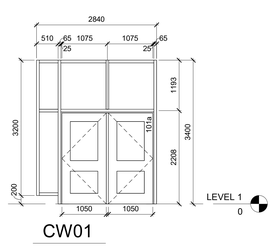
CW04



CW03



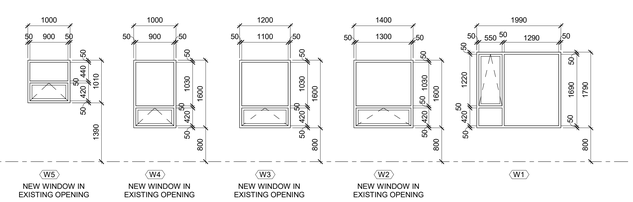
CW02



CW01

EXTERIOR CURTAIN WALL TYPES

1:50



NEW WINDOW IN EXISTING OPENING

NEW WINDOW IN EXISTING OPENING

NEW WINDOW IN EXISTING OPENING

NEW WINDOW IN EXISTING OPENING

WINDOW TYPES

1 : 50

DOOR SCHEDULE LEVEL 1 - NEW WORK

DOOR NO.	TO ROOM No.	TO ROOM Name	FROM ROOM No.	FROM ROOM Name	DOOR Door Type	DOOR No. of Leafs	DOOR Panel Width	DOOR Panel Height	DOOR Door Material	DOOR Door Finish	FRAME Frame Type	FRAME Frame Material	FRAME Frame Finish	GLAZING TYPE	CARD READER	POWER OPERATOR	REMOVABLE MULLION	FRR (min.)	NOTES	Hardware Groups
LEVEL 1																				
100a	EXT.-E	EXTERIOR EAST	100	VEST.	C1	2	1050	2350	HMI	PT	F2	HMI	PT	SIG-CLR-1		●		-		001
100b	100	VEST.	103	CORR.	C1	2	1050	2150	HM	PT	F2	HM	PT	GL-3		●		-		002
100C	Ex 100	ENTRANCE VESTIBULE	EXT.-E	EXTERIOR EAST	C1	2	1075	2150	AL	PF	CW-01	AL	PF	SIG-CLR-1	●	●	●	-		003A
101a	EXT.-E	EXTERIOR EAST	101	VESTIBULE	C1	2	1050	2150	AL	PF	CW-04	AL	PF	SIG-CLR-1		●		-		003
101b	101	VESTIBULE	108	CORRIDOR	C1	2	1050	2150	HM	PT	F3	HM	PT	GL-3		●		-		002A
102a	EXT.-W	EXTERIOR WEST	102	VESTIBULE	C1	2	1050	2150	HMI	PT	F2	HMI	PT	SIG-CLR-1		●		-		001A
102b	102	VESTIBULE	109	CORRIDOR	C1	2	1050	2150	HM	PT	F2	HM	PT	GL-3		●		-		002A
103	108	CORRIDOR	104	CORRIDOR	B1	2	1050	2150	HM	PT	F4a	HM	PT	GL-7				90	HOLD OPEN DEVICE	004
105	105	UNIVERSAL WC	103	CORR.	A1	1	950	2150	HM	PT	F1a	HM	PT	-		●		20		005
106	106	CUST/STORAGE/ ELECT.	103	CORR.	A1	1	950	2150	HM	PT	F1a	HM	PT	-				45		006
107	EXT.-E	EXTERIOR EAST	107	EQUIPMENT STG.	A1	1	1000	2350	HMI	PT	F1	HMI	PT	-				-		007
110	110	STAFF WRK RM	108	CORRIDOR	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		008
111	108	CORRIDOR	111	CLASSROOM 5	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
112	112	CLASSROOM 6	108	CORRIDOR	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
113	108	CORRIDOR	113	CLASSROOM 7	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
114	114	CLASSROOM 8	108	CORRIDOR	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
115	108	CORRIDOR	115	CLASSROOM 4	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
116	116	CLASSROOM 3	108	CORRIDOR	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
117	108	CORRIDOR	117	CLASSROOM 2	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
118	118	CLASSROOM 1	108	CORRIDOR	C2	1	950	2150	WD	HPDL-FR	F1a	HM	PT	GL-7				20		009
119	112	CLASSROOM 6	111	CLASSROOM 5	C2	1	950	2150	WD	PL	F1	HM	PT	GL-3				-		010
120	113	CLASSROOM 7	114	CLASSROOM 8	C2	1	950	2150	WD	PL	F1	HM	PT	GL-3				-		010
121	116	CLASSROOM 3	115	CLASSROOM 4	C2	1	950	2150	WD	PL	F1	HM	PT	GL-3				-		010
122	117	CLASSROOM 2	118	CLASSROOM 1	C2	1	950	2150	WD	PL	F1	HM	PT	GL-3				-		010

WINDOW & CURTAINWALL ROLLER SHADE SCHEDULE

	OPENNESS	LOCATION	COMMENT:
EXTERIOR GLAZING	3% (RWS-1)	ALL EXTERIOR GLAZING, EXCEPT ENTRANCE VESTIBULES & CORRIDORS AND NEW CLASSROOMS 111 TO 118.	MANUAL ROLLER SHADES NO ROLLER SHADE @ ENTRANCE VESTIBULES & CORRIDORS.

NOTES:
1) PROVIDE 19mm PLYWOOD FOR WINDOW COVERING INSTALLATION WHERE NECESSARY. (EG. AT U/S OF BEAM)

DOOR SCHEDULE LEGEND:

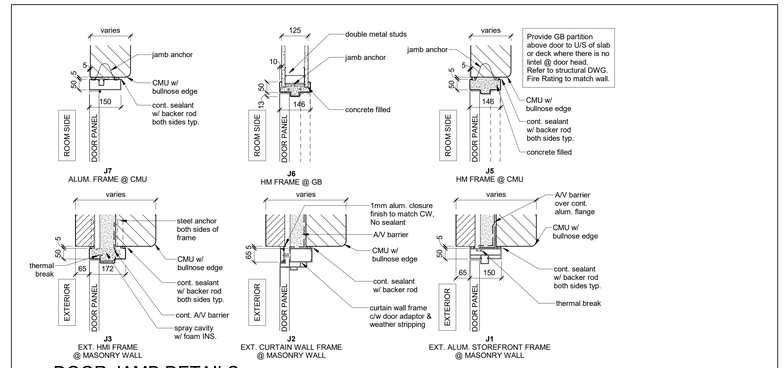
AL	ALUMINUM	**PL**	HIGH PRESSURE DECORATIVE LAMINATE
GL-3	TEMPERED GLASS	**PT**	PAINTED/STAINED
GL-7	FIRE-RATED GLASS	**SIG-CLR-1**	SEALED INSULATING GLASS UNIT TYPE 1
HM	HOLLOW METAL	**WD**	WOOD
HPDL-FR	HIGH PRESSURE DECOATIVE LAMINATE, FLAME RETARDANT	**WV**	WOOD VENEER

DOOR SCHEDULE NOTES:

1. PROVIDE STAINLESS STEEL, THERMAL BREAK THRESHOLD COVER AT ALL EXTERIOR DOORS.
2. PROVIDE APPROPRIATED FLOORING TRANSITION STRIP AT INTERIOR DOORS.
3. ALL THRESHOLDS AND TRANSITION STRIPS TO MEET OBC BARRIER FREE REQUIREMENTS.
4. COORDINATE DOOR SCHEDULE w/ DOOR HARDWARE SCHEDULE.

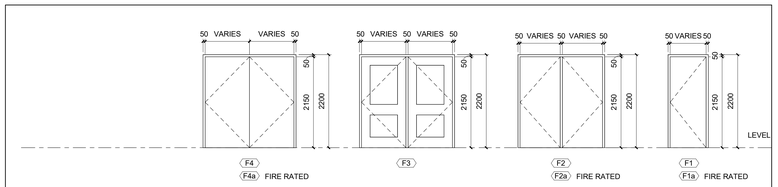
HOLLOW METAL FRAME & SCREEN NOTES:

1. PROVIDE TEMPERED GLAZING (GL-3) AT INTERIOR DOORS AND SCREENS U.N.O.
2. PROVIDE FIRE RATED GLAZING (GL-7) AND FIRED RATED HM FRAMES AT FIRE RATED ASSEMBLIES - REFER TO A200 FIRE SEPARATION AND OBC DATA MATRIX, EXISTING BUILDING AND NEW ADDITION.
3. REFER TO WINDOW ROLLER SHADE SCHEDULE FOR SHADES AT SCREENS AND SIDELITES
4. OBC 3.3.1.18. (1.1) FULLY GLAZED TRANSPARENT DOORS, AND FULLY GLAZED TRANSPARENT SIDELIGHTS AND PANELS WITH WIDTHS GREATER THAN 300 MM, SHALL BE MARKED IN CONFORMANCE WITH SENTENCE 3.8.3.3.(15).



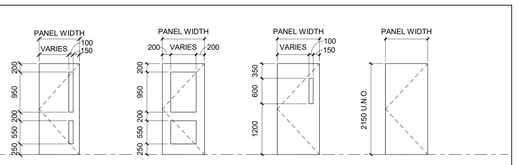
DOOR JAMB DETAILS

1 : 10



HOLLOW METAL DOOR FRAME TYPES

1 : 50



DOOR TYPES

1 : 50

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON L3V 0A8

snyder

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No.	Revisions	Date
6	Issued for Tender	2026 11 12
5	Issued for Pre-Tender	2026 10 26
4	Issued for Pre-Tender	2026 05 22
3	Issued for Permit	2026 04 24
2	Issued for 80% Progress Set	2026 02 10
1	Issued for 30% Progress Set	2025 12 17
No	Revision	Date

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

ONTARIO ASSOCIATION OF ARCHITECTS
ROCHELLE MARIA NAVALTA BONCARO
LICENCE 6509

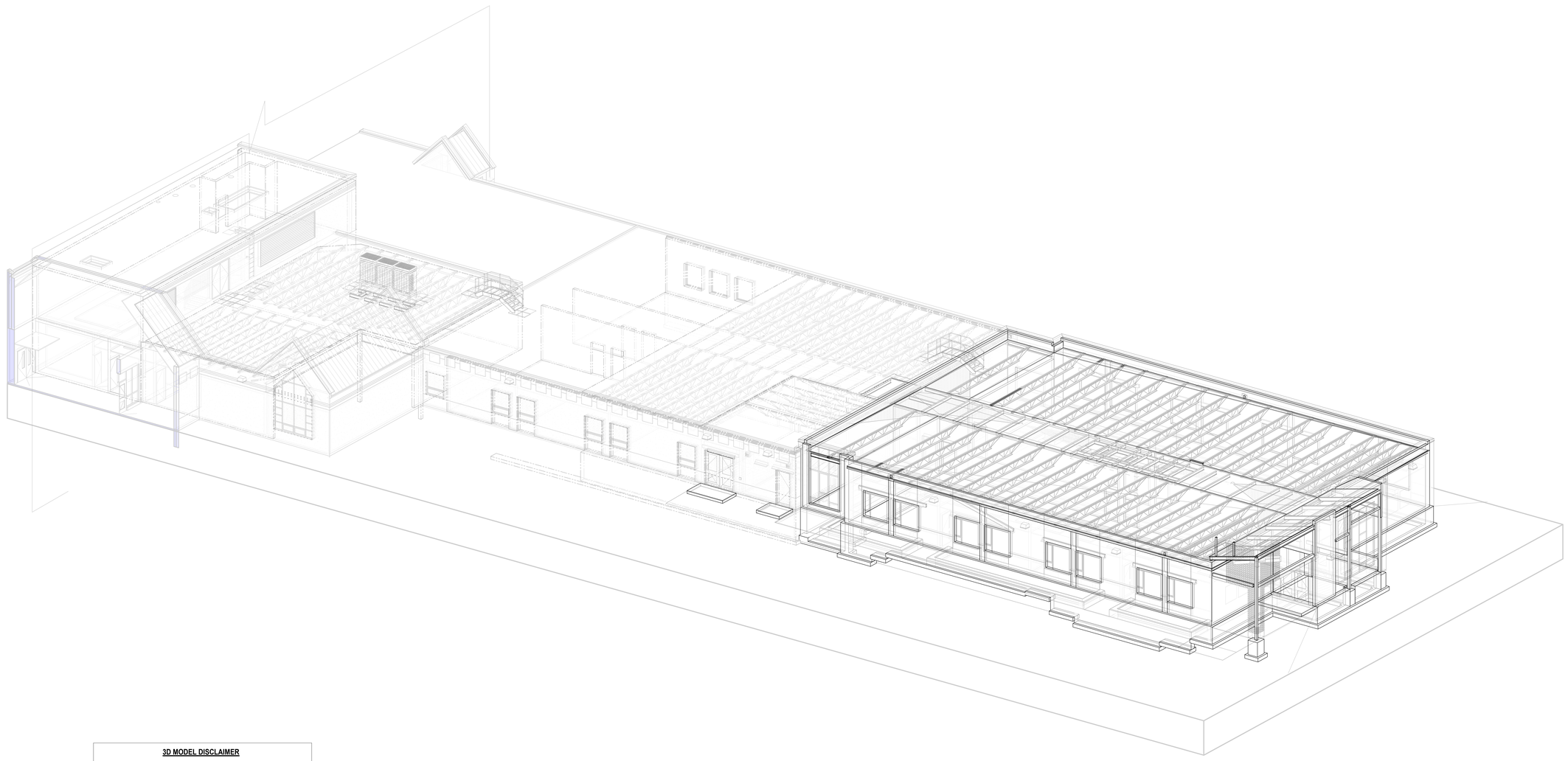
Drawing Title:

DOOR, WINDOW AND CURTAINWALL SCHEDULES & DETAILS

Scale:	As indicated	Date:	FEB. 2024
Drawn by:	MB	Checked by:	AG
Job No.	**2502**	Drawing No.	A901

PRINTED2026-11-13 11:33:26 AM

SHEET LIST	
SHEET NUMBER	SHEET NAME
S000	COVER PAGE
S100	GENERAL NOTES
S101	TYPICAL DETAILS
S102	TYPICAL DETAILS
S200	FOUNDATION PLAN - ADDITION
S201	ROOF PLAN FRAMING- ADDITION
S500	FOUNDATION SECTIONS
S510	ROOF SECTIONS
S511	ROOF SECTIONS



3D MODEL DISCLAIMER

ELEMENTS REPRESENTED IN 3D MODEL VIEW ARE SHOWN FOR INFORMATION PURPOSES ONLY AND MAY NOT REPRESENT DESIGN INTENT. THIS VIEW IS DIAGRAMATIC ONLY, AND NOT FOR CONSTRUCTION

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition

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No.	Revisions	Date
7	ISSUED FOR TENDER	2026-11-12
6	ISSUED FOR PRE-TENDER REVIEW R1	2026-10-26
5	ISSUED FOR BIDS	2026-05-29
4	ISSUED FOR PRE-TENDER	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS SET	2025-02-10
1	ISSUED FOR 30% PROGRESS SET	2025-12-16

No	Revision	Date

0 1000 2000 3000 4000 5000 6000 7000 8000

Scale 1:100 Unless Indicated Otherwise

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General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

LICENSED PROFESSIONAL ENGINEER
2026-11-12
B.REGA
100560558
PROVINCE OF ONTARIO

Drawing Title:

COVER PAGE

Scale:	1 : 1	Date:	2026-10-26
Drawn by:	H.R.	Checked by:	I.B.
Job No.	**26210**	Drawing No.	S000

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GENERAL NOTES — GN-001
January 7, 2022

1. PROVIDE ALL MATERIAL AND LABOUR REQUIRED FOR THE COMPLETION OF THE WORK. BREAKDOWN OF WORK BY TRADE IS FOR GUIDANCE ONLY AND IS NOT NECESSARILY COMPLETE.
2. THIS IS A METRIC PROJECT. ALL LENGTHS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
3. DO NOT SCALE THESE DRAWINGS.
4. COMPLY WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE AND THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
5. REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE DRAWINGS PREPARED BY ALL CONSULTANTS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. FOLLOW TYPICAL DETAILS (I.E. SD-001) SHOWN ON DRAWING(S) S100 SERIES, UNLESS OTHERWISE NOTED ON DRAWINGS. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL CONDITIONS FOR THIS PROJECT. DETAILS NOTED IN TYPICAL DETAILS APPLY TO SIMILAR CONDITIONS THROUGHOUT THE PROJECT UNLESS OTHERWISE NOTED.
7. ALL SECTIONS, DETAILS, AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE/SIMILAR CONDITIONS IN THE STRUCTURE.
8. COORDINATE ALL OPENINGS, SLEEVES AND EMBEDDED ITEMS IN STRUCTURE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND LANDSCAPE DRAWINGS. REPORT ANY ITEMS THAT ARE IN CONFLICT.
9. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL CONSULTANT UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS.
10. USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
11. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.

TEMPORARY WORKS — GN-002
December 22, 2021

1. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SCOPE, DESIGN AND ERECTION OF ALL TEMPORARY WORKS THAT ARE NECESSARY TO COMPLETE THE WORK. FULL DESIGN LOADS MAY ONLY BE APPLIED AFTER THE CONCRETE REACHES ITS DESIGN STRENGTH.
2. CONSTRUCTION LOADS ON PERMANENT STRUCTURE SHALL NOT EXCEED DESIGN LOADS INDICATED IN THE CONTRACT DOCUMENTS.
3. DESIGN AND FIELD REVIEW OF ALL TEMPORARY WORKS TO BE CARRIED OUT BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED AND INSURED IN THE PROVINCE OF ONTARIO.
4. ANCHOR RODS AND OTHER EMBEDDED ITEMS HAVE BEEN DESIGNED FOR LOADS OF THE COMPLETED STRUCTURE ONLY AND ARE NOT TO BE USED OR RELIED UPON FOR TEMPORARY SUPPORT OR STABILITY DURING ERECTION UNLESS REVIEWED AND APPROVED BY THE CONTRACTOR'S ENGINEER RESPONSIBLE FOR THE ERECTION PROCEDURES.
5. MAKE GOOD ALL EXISTING WORK DISTURBED BY TEMPORARY CONSTRUCTION OPERATIONS.
6. EXTENT OF ALL TEMPORARY SHORING WHICH MAY BE REQUIRED IS NOT SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR TO DETERMINE. REFER TO SPECIFICATIONS FOR TEMPORARY SHORING REQUIREMENTS.

SUBMITTALS AND SHOP DRAWINGS — GN-003
March 8, 2022

1. SUBMIT FOR REVIEW ALL SUBMITTALS AND SHOP DRAWINGS REQUIRED BY THE SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. CONCRETE MIX DESIGNS
   B. PROPOSED CONSTRUCTION AND CONTROL JOINT LOCATIONS IN CONCRETE ELEMENTS
   C. CONCRETE AND MASONRY REINFORCING STEEL
   D. STRUCTURAL STEEL (ERECTION DRAWINGS AND DETAILS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER)
   E. STEEL JOISTS (ERECTION DRAWINGS, DETAILS AND CALCULATIONS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER)
   F. STEEL DECK (SEALED AND SIGNED BY A PROFESSIONAL ENGINEER)
2. REVIEW OF SHOP DRAWINGS IS ON A RATIONAL SAMPLING BASIS, FOR GENERAL CONFORMITY WITH THE INTENT OF THE STRUCTURAL CONTRACT DOCUMENTS. IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF RESPONSIBILITY FOR MAKING THE WORK ACCURATE AND IN CONFORMITY WITH THE CONTRACT DOCUMENTS.
3. REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS.
4. REVIEW OF A SPECIFIC COMPONENT ON NON-STRUCTURAL SHOP DRAWINGS (COMPONENTS ENGINEERED BY OTHERS) DOES NOT INCLUDE REVIEW OF THE ASSEMBLY OF WHICH THE ITEM MAY BE A COMPONENT.
5. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS IN THE STRUCTURAL OFFICE. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED ALONG WITH A PRIORITY LIST OF SUBMITTALS. SUBMIT IN ORDER WITH THE INTENDED SEQUENCE OF CONSTRUCTION.
6. MAKE CORRECTIONS REQUIRED BY PREVIOUS REVIEW BEFORE RESUBMITTING DRAWINGS. CLEARLY INDICATE ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMISSION. DO NOT ADD NEW DETAILS TO DRAWINGS WHICH HAVE BEEN STAMPED AS REVIEWED OR NOTED.
7. AFTER REVIEW, THE DRAWINGS WILL BE STAMPED AND RETURNED TO SHOW ONE OF THE FOLLOWING:

REVIEWED	RELEASED FOR FABRICATION
REVIEWED AS NOTED	RELEASED FOR FABRICATION AFTER REVISIONS NOTED ARE MADE.
REVISE AND RESUBMIT	CORRECT AND RESUBMIT FOR REVIEW PRIOR TO FABRICATION.
NOT REVIEWED	SHOWS WORK WHICH IS NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.

8. ALL SHOP DRAWINGS SHALL BEAR THE GENERAL CONTRACTOR'S REVIEW STAMP. SHOP DRAWINGS NOT STAMPED BY THE GENERAL CONTRACTOR WILL BE MARKED "REVISE AND RESUBMIT" AND RETURNED WITHOUT BEING REVIEWED.
9. SUBMIT ENGINEER SEALED SHOP DRAWINGS WHEN REQUIRED BY SPECIFICATIONS. SHOP DRAWINGS NOT SEALED, SIGNED, AND DATED WILL BE MARKED "REVISE AND RESUBMIT" AND RETURNED WITHOUT BEING REVIEWED.
10. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
11. PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.

QUALITY ASSURANCE — GN-004
March 8, 2022

1. COOPERATE WITH CONSULTANTS DOING GENERAL REVIEW AND WITH ALL INSPECTION AND TESTING AGENCIES. ASSIST IN THEIR WORK AND PROVIDE SAFE ACCESS TO WORK AREAS AS REQUIRED. PROVIDE REASONABLE NOTICE (NOT LESS THAN TWO WORKING DAYS OR 48 HOURS, WHICHEVER IS GREATER.) PRIOR TO CONCEALING ANY WORK THAT REQUIRES INSPECTION, REVIEW, OR TESTING. SCHEDULE THIS WORK TO OCCUR DURING NORMAL BUSINESS HOURS. WORK TO BE GENERALLY COMPLETE AT THE TIME OF THE REVIEW.
2. THE STRUCTURAL CONSULTANT WILL PROVIDE PERIODIC GENERAL REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORKS DESIGNED BY THE CONSULTANT TO CHECK GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THESE REVIEWS DO NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT AND MAINTAIN AN APPROPRIATE QUALITY CONTROL PROGRAM.
3. ENSURE THAT CONSTRUCTION REVIEW IS PROVIDED FOR ALL STRUCTURAL WORK DESIGNED BY PROFESSIONAL ENGINEERS RETAINED BY THE CONTRACTOR. CONSTRUCTION REVIEW TO BE BY THE ENGINEERS RESPONSIBLE FOR THE DESIGN, OR BY OTHER PROFESSIONAL ENGINEERS LICENSED AND INSURED IN THE PROVINCE OF ONTARIO AND DESIGNATED BY THE ENGINEER RESPONSIBLE FOR THE DESIGN. SUBMIT CONSTRUCTION REVIEW REPORTS FOR THE CONSULANT'S RECORDS UPON REQUEST.
4. MAINTAIN A QUALITY CONTROL PLAN FOR STRUCTURAL WORK AND MAKE IT AVAILABLE TO THE CONSULTANT UPON REQUEST. AT A MINIMUM, THE PLAN TO INCLUDE:
   1. NAMES OF PERSONNEL RESPONSIBLE FOR EXECUTION OF THE PLAN.
   2. MEANS AND METHODS FOR CONFIRMING MATERIAL COMPLIANCE WITH SPECIFICATIONS AND ASSOCIATED DOCUMENTATION PROCEDURES.
   3. PROGRAM FOR CONFIRMING AND DOCUMENTING COMPLIANCE OF SUB-TRADE QUALIFICATIONS AND THEIR INDIVIDUAL EMPLOYEES AND SUB-CONTRACTORS.
   4. PROCEDURES FOR REVIEWING COMPLIANCE IN THE FIELD WITH CONSTRUCTION DOCUMENTS INCLUDING DOCUMENTATION OF LOCATIONS REVIEWED, PHOTOGRAPHS TAKEN, AND TIMING FOR REVIEW. THE CONTRACTOR'S REVIEW MUST BE COMPLETED PRIOR TO REVIEW OF THE CONSULTANT.
   5. PROCEDURES FOR RECTIFYING DEFICIENCIES NOTED BY THE CONTRACTOR, CONSULTANTS AND INDEPENDENT INSPECTION AGENCIES.

EXISTING STRUCTURES — GN-006
December 22, 2021

1. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES FROM DAMAGE DURING CONSTRUCTION.
2. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION. EXISTING CONDITIONS ARE ASSUMED. REPORT ANY VARIATIONS TO THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. EXISTING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED BY WILLIAM LEUNG & ASSOCIATES ENGINEERS LTD., DATED FEBRUARY 1994.
4. INSTALL AND AFTERWARDS REMOVE ALL TEMPORARY SHORING AND BRACING REQUIRED TO ENSURE THE INTEGRITY OF THE EXISTING STRUCTURE DURING CONSTRUCTION.
5. ALL SHORING TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED AND INSURED IN THE PROVINCE OF ONTARIO. PREPARE SHORING DRAWINGS SIGNED AND SEALED BY THAT ENGINEER.
6. SHORING INDICATED ON THE STRUCTURAL DRAWINGS DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY FOR DETERMINING WHERE SHORING WILL BE REQUIRED. INSTALL ALL MEMBERS AS REQUIRED, INCLUDING NEEDLING AND BRACING.
7. ASSESS CONSTRUCTION LOADS APPLIED TO EXISTING STRUCTURES. PROVIDE ADEQUATE SHORING IF THEY EXCEED THE EXISTING BUILDING DESIGN LOADS.
8. MAKE GOOD ALL EXISTING WORK DISTURBED BY THE SHORING OPERATIONS, EXCAVATION AND OTHER CONSTRUCTION PROCEDURES

DESIGN CRITERIA — GN-005
JANUARY 1, 2025

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE (OBC). SUPPLEMENTED BY THE 2020 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
2. CLIMATIC DATA USED TO DETERMINE THE DESIGN LOADS IS FROM THE MMAH SUPPLEMENTARY STANDARD OF THE OBC SPECIFICALLY FOR ORILLIA.
3. DESIGN LOADS SHOWN ON PLAN OR SECTION ARE SPECIFIED (UNFACTORED) LOADS TO BE USED FOR ULS DESIGN, UNLESS OTHERWISE NOTED. FOR POINT LOADS, CONSIDER IT A LIVE LOAD IF ONLY ONE LOAD IS GIVEN. LOAD FACTORS TO CONVERT LOADS TO SLS FOR WIND AND SNOW ARE SHOWN IN THEIR RESPECTIVE SECTIONS.
4. SELF WEIGHT IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM AND INCLUDES CONCRETE TOPPINGS ON STEEL DECK.
5. SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
6. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
7. GRAVITY LOADS ARE SHOWN ON PLANS. LIVE LOAD REDUCTION HAS NOT BEEN USED.
8. NET FACTORED UPLIFT LOADS ON ROOFS ARE SHOWN ON PLANS.
9. IMPORTANCE: NORMAL
10. **LOADS DUE TO SNOW AND RAIN**
    SNOW AND ASSOCIATED RAIN (S) – OBC CLAUSE 4.1.6.2
    MINIMUM SPECIFIED SNOW LOAD, $S=I_s[S_s(C_bC_wC_sC_a)+S_r]$= 2.67 kN/m²

IMPORTANCE FACTOR =	I_s =	1.15 (ULS), 0.9 (SLS)	
GROUND SNOW LOAD (1-IN-50 YEAR)	S_s =	2.4 kN/m²	
BASIC ROOF FACTOR =	C_b =	0.8	
WIND EXPOSURE FACTOR =	C_w =	1.0	
SLOPE FACTOR =	C_s =	1.0(MIN)	SEE PLAN FOR ROOF SPECIFIC LOADS
ACCUMULATION FACTOR =	C_a =	1.0(MIN)	SEE PLAN FOR ROOF SPECIFIC LOADS
ASSOCIATED RAIN LOAD =	S_r =	0.4 kN/m²	

RAIN (S) AND ROOF DRAINAGE– OBC CLAUSE 4.1.6.4
24 HOUR RAINFALL = 103 mm
ROOFS HAVE BEEN DESIGNED FOR THE WORST CASE OF SNOW OR RAIN, AS PER OBC 4.1.6.4(3) & (4).
ROOF DRAINAGE SYSTEM:
1) RAIN LOAD IS DETERMINED FOR FLOW CONTROL ROOF DRAINS THAT MEET THE REQUIREMENTS OBC 4.1.6.4 (4) AND OBC 7.4.10.4, INCLUDING EMERGENCY SCUPPERS AT 150mm ABOVE THE HIGH POINT OF THE ROOF.. THE ROOF STRUCTURE MUST INCLUDE THE LOAD ACCUMULATED BY A 24H RAINFALL, BUT RAIN AND SNOW LOADS DO NOT NEED TO BE CONSIDERED TO ACT SIMULTANEOUSLY TO A MAXIMUM OF 180mm ACCUMULATED WATER.

11. **LATERAL LOADS**
    LATERAL FORCE RESISTING SYSTEM:
    - CONVENTIONAL CONSTRUCTION MASONRY SHEAR WALLS WITH HORIZONTAL STEEL DECK DIAPHRAGM

IMPORTANCE FACTOR =	I_w =	1.15	OBC 4.1.7.3.
REFERENCE VELOCITY PRESSURE (1-IN-50 YEAR)	q =	0.36 kPa	OBC 4.1.7.3.
EXPOSURE FACTOR (TOP OF BUILDING) =	C_e =	0.9 (MAX)	OBC 4.1.7.3.
TOPOGRAPHIC FACTOR =	C_t =	1.0	OBC 4.1.7.4.
GUST EFFECT FACTOR =	C_g =	2.0	OBC 4.1.7.3.
EXTERNAL PRESSURE COEFFICIENT (WINDWARD)	C_p =	0.6	OBC 4.1.7.5.
EXTERNAL PRESSURE COEFFICIENT (LEEWARD)	C_p =	0.3	OBC 4.1.7.5.
FACTORED SHEAR TO LATERAL LOAD RESISTING SYSTEM(NORTH-SOUTH)	V_{W_NS} =	120 kN	
FACTORED SHEAR TO LATERAL LOAD RESISTING SYSTEM (EAST-WEST)	V_{W_EW} =	120 kN	

EARTHQUAKE LOADS AND EFFECTS (E) - OBC 4.1.8
SEISMIC PARAMETERS

IMPORTANCE FACTOR =	I_E =	1.3	OBC 4.1.8.5
PROBABILITY OF EXCEEDANCE (IN 50 YEARS)		2%	4.1.8.4 (1)

SITE PROPERTIE

AVERAGE SHEAR WAVE VELOCITY =	V_{s30} =	593 m/s	OBC 4.1.8.4 (2)
SITE DESIGNATION	X	X_V: 593	
PEAK GROUND ACCELERATION	PGA(X)	0.0744	OBC 4.1.8.4 (3)
PEAK GROUND VELOCITY	PGV(X)	0.0744	OBC 4.1.8.4 (3)

2% PROBABILITY OF EXCEEDANCE (5% DAMPED) SPECTRAL ACCELERATION VALUES

PERIOD, T (SECONDS)	S(T, X)	DESIGN SPECTRAL ACCELERATION, S(T)
<=0.2	Sa(0.2, X) =	0.2
0.5	Sa(0.5, X) =	0.115
1.0	Sa(1.0, X) =	0.064
2.0	Sa(2.0, X) =	0.031
5.0	Sa(5.0, X) =	0.008
10.0	Sa(10.0, X) =	0.003

SEISMIC LOAD AND PERFORMANCE

$I_ES(0.2)$ =	0.26	OBC 4.1.8.5
$I_ES(1.0)$ =	0.0832	OBC 4.1.8.5
SEISMIC CATEGORY	SC2	OBC 4.1.8.5
IRREGULARITIES	NONE	OBC 4.1.8.9
METHOD OF ANALYSIS	EQUIVALENT STATIC FORCE PROCEDURE	OBC 4.1.8.7

DIRECTION		NORTH-SOUTH	EAST-WEST
SFRS DUCTILITY RELATED FORCE MODIFICATION FACTORS	R_d =	1.5	1.5
SFRS OVERSTRENGTH RELATED FORCE MODIFICATION FACTORS	R_O =	1.5	1.5
FUNDAMENTAL LATERAL PERIOD	Ta =	0.14 s	0.14 s
MAX. HIGHER MODE FACTOR	M_V =	1.0	1.0
TORSIONAL SENSITIVITY	B =	<=1.7	<=1.7
DESIGN BASE SHEAR	$V = S(T_a)M_VI_EW / R_dR_o$	181 kN	181 kN

MAXIMUM INTERSTOREY DRIFT RATIO: 0.02*Hs

FOUNDATIONS — GN-007
December 22, 2021

1. STRUCTURAL DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY: GEI CONSULTING ENGINEERS AND SCIENTISTS, REPORT NUMBER 2503918, DATED OCTOBER 2025.
2. REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION ON GEOTECHNICAL CONDITIONS, FOUNDATION RECOMMENDATIONS, AND FOR ALL EARTHWORK INCLUDING EXCAVATION, BACKFILL, AND SUBGRADE PREPARATION. ALSO REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS
3. CONSTRUCT ALL FOOTINGS ON STRATA CAPABLE OF SUPPORTING THE DESIGN BEARING RESISTANCE NOTED:
   - 225 kPa AT ULS (ULTIMATE LIMIT STATES DESIGN)
   - 150 kPa AT SLS (SERVICEABILITY LIMIT STATES DESIGN)
4. FOR FROST PROTECTION, MINIMUM DISTANCE FROM FINISHED GRADE TO UNDERSIDE OF PERIMETER FOOTINGS AND FOOTINGS IN UNHEATED AREAS TO BE NOT LESS THAN 1200.
5. BEARING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE ANTICIPATED MINIMUM DEPTHS. FINAL BEARING ELEVATIONS AND CAPACITY MUST BE REVIEWED AND APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO CONSTRUCTING FOOTINGS. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS TO BE REVIEWED WITH THE STRUCTURAL CONSULTANT PRIOR TO PLACING FORMWORK
6. MODULUS OF SUBGRADE REACTIONS (ASSUMED FOR DESIGN OF SLABS ON GRADE) IS 50000 kN/m3. CONSTRUCT SUBGRADE UNDER THE SLAB ON GRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
7. CENTRE FOOTINGS AND PIERS UNDER CENTROID OF COLUMNS, OR WHERE THERE ARE NO COLUMNS ABOVE, CENTER UNDER WALLS OR GRADE BEAMS, UNLESS OTHERWISE NOTED.
8. UNLESS OTHERWISE NOTED, THE LONGER DIMENSION OF RECTANGULAR SPREAD FOOTINGS TO BE PARALLEL TO THE LONGER COLUMN DIMENSION.
9. LOCATE ALL EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION.
10. THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR TRENCHES SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10, UNLESS OTHERWISE APPROVED BY THE GEOTECHNICAL CONSULTANT. REFER TO TYPICAL DETAILS.
11. KEEP EXCAVATION DRAINED AND FREE OF WATER AT ALL TIMES. REFER TO GEOTECHNICAL REPORT FOR REQUIRED DEWATERING PROCESS.
12. PROTECT FOOTINGS, WALLS, SLABS-ON-GRADE AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION. DO NOT POUR CONCRETE AGAINST FROZEN EARTH.
13. DO NOT USE EARTH FORMS UNLESS APPROVED THE GEOTECHNICAL ENGINEER AND THE STRUCTURAL CONSULTANT. FOR ELEMENTS CAST AGAINST SOIL, INCREASE SIZE SHOWN ON THE DRAWINGS AS REQUIRED TO OBTAIN 75 (3") CONCRETE COVER AGAINST SOIL.
14. DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL ELEMENTS PROVIDING LATERAL SUPPORT, INCLUDING SLABS ON GRADE AND SUSPENDED LEVELS, ARE COMPLETED AND CONCRETE HAS REACHED 70% OF ITS DESIGN STRENGTH.
15. FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 300 (1'-0") FROM ONE SIDE TO THE OTHER.
16. FORM ALL SIDES OF FOOTINGS UNLESS OTHERWISE NOTED OR APPROVED BY GEOTECHNICAL ENGINEER. INCREASE COVER TO REINFORCING.

CONCRETE REINFORCEMENT — GN-009A
December 22, 2021

1. REINFORCEMENT IS TO CONFORM TO THE FOLLOWING STANDARDS:
   A. DEFORMED BARS: CAN/CSA G30.18, GRADE 400R.
   B. WELDED DEFORMED BARS: CAN/CSA G30.18, GRADE 400W.
   C. WELDED WIRE FABRIC: ASTM A185/A185M.
   D. EPOXY COATING: ASTM D3963
2. PROVIDE MIN. 24 HOURS NOTICE PRIOR TO CLOSING FORMS OR PLACING CONCRETE TO ALLOW FOR REINFORCING STEEL REVIEW.
3. BARS MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS AND SPLICED USING CLASS B LAPS. DO NOT SHORTEN HOOKS TO ACCOMMODATE MEMBER DIMENSION.
4. ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH.
5. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN TENSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S TENSION LAP SPLICE, OR TO THE LARGER BAR'S TENSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
6. WHERE TWO BARS OF DIFFERENT SIZE ARE LAPPED IN COMPRESSION, SPLICE LENGTH TO BE EQUAL TO THE SMALLER BAR'S COMPRESSION LAP SPLICE, OR TO THE LARGER BAR'S COMPRESSION DEVELOPMENT LENGTH, WHICHEVER IS LONGER.
7. PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO ADEQUATELY SUPPORT AND SECURE ALL REINFORCEMENT AND PREVENT MOVEMENT WHEN PLACING CONCRETE.
8. PROVIDE SUFFICIENT CHAIRS TO REINFORCING TO MAINTAIN SPECIFIED CONCRETE COVER.
9. ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY.
10. MINIMUM CLEAR CONCRETE COVER TO REINFORCEMENT CLOSEST TO THE SURFACE TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
11. WALLS
    A. UNLESS OTHERWISE NOTED ON DRAWINGS, SCHEDULES OR NOTES, MINIMUM REINFORCEMENT FOR CONCRETE WALLS TO BE AS FOLLOWS:
       a. 150 MAXIMUM WALL: 10 @ 300 (12") H + 10 @ 400 (16") V IN CENTRE
       b. 200 MAXIMUM WALL: 10 @ 250 (10") H + 10 @ 300 (12") V IN CENTRE
       c. 250 MAXIMUM WALL: 10 @ 400 (16") HEF + 10 @ 500 (20") VEF
       d. 300 MAXIMUM WALL: 10 @ 330 (13") HEF + 10 @ 440 (17") VEF
       e. VERTICAL REINFORCING TO BE OUTSIDE LAYER.
    B. REFER TO TYPICAL DETAILS FOR REINFORCING REQUIRED AT WALL CORNERS, INTERSECTIONS AND OPENINGS, AND FOR MINIMUM DOWELING REQUIREMENTS BETWEEN WALLS AND SLABS.
12. SLABS
    A. UNLESS OTHERWISE SPECIFIED ON PLANS, PROVIDE BOTTOM TEMPERATURE REINFORCEMENT IN BOTH DIRECTIONS FOR FRAMED SLABS IN ACCORDANCE WITH TYPICAL DETAILS.
    B. DO NOT ELIMINATE, CUT, OR DISPLACE REINFORCING TO ACCOMMODATE MECHANICAL AND ELECTRICAL SLEEVES, OPENINGS OR HARDWARE. SPREAD REINFORCING AROUND SLEEVES. PROVIDE ADDITIONAL REINFORCING AS SHOWN IN TYPICAL DETAILS AND DRAWINGS FOROPENINGS LARGER THAN 450 x 450 (18"X18"). IF OPENINGS, SLEEVES, OR HARDWARE CANNOT BE LOCATED AS SPECIFIED, OBTAIN APPROVAL OF MODIFICATIONS FROM CONSULTANT PRIOR TO PLACING CONCRETE.

CONCRETE COVER TO REINFORCING STEEL — GN-009
December 22, 2021

STRUCTURAL ELEMENT	BAR SIZE (M)	INTERIOR (WITHIN VAPOUR BARRIER) ABOVE GRADE (EXCLUDE PARKING STRUCTURE) COVER (mm)		
		TOP	BOTTOM	SIDE
FOOTINGS	≤ 35	40	75	75
SLAB-ON-GRADE	≤ 25	25	25	
PIER (TO TIE)	≤ 35			50

CONDUITS AND EMBEDS — GN-010
December 22, 2021

1. GENERAL:
   A. ALL CONCRETE EMBEDS (PIPES, CONDUITS, SLEEVES, ETC. INCLUDING ANY EMBEDDED FITTINGS OR COUPLERS) AND THEIR INSTALLATION TO CONFORM TO CSA A23.1/A23.2 AND THE FOLLOWING GUIDELINES. THE MORE STRINGENT GUIDELINES GOVERN.
   B. ALL CONCRETE EMBEDS SHALL NOT IMPAIR THE STRENGTH OF STRUCTURAL ELEMENTS AND SHALL BE MOVED OR REMOVED IF DIRECTED BY THE CONSULTANT. NO CONCRETE EMBEDS ARE PERMITTED WITHIN "PROTECTED ZONES" INDICATED ON THE STRUCTURAL DRAWINGS. IF REQUIRED, REMEDIAL REINFORCING AT ZONES OF CONGESTED EMBEDS SHALL BE PROVIDED AT NO EXTRA COST TO THE CONTRACT.
   C. DO NOT CUT, ELIMINATE OR DISPLACE REINFORCING TO INSTALL EMBEDS OR HARDWARE UNLESS APPROVED IN WRITING BY THE CONSULTANT. OBTAIN APPROVAL BEFORE PLACING CONCRETE.
   D. WHERE APPROVED BY THE CONSULTANT, SET SLEEVES, TIES, PIPE HANGERS AND OTHER INSERTS AND OPENINGS AS INDICATED OR SPECIFIED ELSEWHERE. SLEEVES AND OPENINGS GREATER THAN 100 X 100 mm (4" X 4") NOT INDICATED MUST BE REVIEWED BY THE CONSULTANT.
   E. CONCRETE EMBEDS SHALL NOT HAVE AN OUTSIDE DIAMETER LARGER THAN ¼ OF THE THICKNESS OF CONCRETE ELEMENT WHICH THEY ARE EMBEDDED IN AND SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER. THE LARGER EMBED DIAMETER WILL GOVERN FOR SPACING.
   F. EMBEDS WITHIN A CONCRETE ELEMENT WILL BE PLACED WITHIN THE MIDDLE THIRD OF THE ELEMENT THICKNESS. PROVIDE CHAIRS/SUPPORTS FOR THE EMBEDS, DO NOT TIE TO REINFORCING STEEL. PROVIDE MINIMUM 50 CLEAR SPACE BETWEEN ALL EMBEDS AND REINFORCING BARS.
   G. SUBMIT A COMBINED LAYOUT DRAWING SET SHOWING SLEEVES AND OPENINGS REQUIRED BY ALL TRADES FOR THE CONSULTANT'S REVIEW PRIOR TO CONSTRUCTION. SLEEVE COORDINATION TO BE DONE BY OTHERS. CONFIRM LOCATIONS AND SIZES OF SLEEVES AND OPENINGS SHOWN ON DRAWINGS.
   H. METAL EMBEDS OTHER THAN CARBON STEEL MUST BE ELECTRICALLY ISOLATED WITH A DIELECTRIC COATING.
2. CONCRETE VERTICAL ELEMENTS:
   A. DO NOT PLACE EMBEDS INCLUDING CONDUITS, SLEEVES AND RECESSED BOXES PERMITTED IN ANY COLUMN WITHOUT PRIOR APPROVAL FROM THE CONSULTANT.
   B. CONCRETE WALL EMBEDS TO BE SPACED MINIMUM AT 4 DIAMETERS ON CENTER. VERTICAL EMBEDS TO BE LOCATED WITHIN MIDDLE THIRD OF WALL AND TO HAVE MINIMUM 75 CLEAR COVER. NO HORIZONTAL EMBED LENGTHS PERMITTED ALONG THE LONG DIRECTION WITHIN ANY WALL, ONLY VERTICAL EMBEDS AND THROUGH WALLS SLEEVES ARE PERMITTED.
   C. NO EMBEDS PERMITTED WITHIN WALL CONCENTRATED ZONE STEEL AREAS OR WITHIN 1000 OF WALL END.
3. CONCRETE HORIZONTAL ELEMENTS:
   A. MAXIMUM 2 LAYERS OF CONDUITS PERMITTED WITHIN A CONCRETE SLAB, INCLUDING CROSSOVERS.
   B. PENETRATIONS TO BE SET A MINIMUM OF 3X SLAB THICKNESS AWAY FROM THE FACE OF ANY COLUMN. DO NOT LOCATE PENETRATIONS WITHIN COLUMN CAPITALS OR DROP PANELS. PENETRATIONS TO BE SET A MINIMUM OF 3X SLAB THICKNESS AWAY FROM THE EDGES OF DROP PANELS OR STUD RAILS. SLEEVES TO NOT BE LOCATED WITHIN COLUMN ZONES WITHOUT WRITTEN APPROVAL FROM THE CONSULTANT.
   C. MAXIMUM OUTSIDE DIAMETER OF ANY SLEEVE, CONDUIT OR EMBED IN OR THROUGH THE SLAB NOT TO EXCEED ONE QUARTER OF THE SLAB THICKNESS AND MINIMUM SPACING TO BE 3 DIAMETERS ON CENTRE ALL AROUND.

POST-INSTALLED ANCHORS AND DOWELS — GN-011
December 22, 2021

1. UNLESS OTHERWISE NOTED, ANCHORAGE TO CONCRETE TO BE:
   A. WHERE DRILLED CONCRETE ANCHORS (DCA) ARE NOTED ON DRAWINGS, PROVIDE HILTI KWIK BOLT – TZ2 EXPANSION ANCHORS.
   B. WHERE ADHESIVE ANCHORS ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM WITH HILTI HIT-Z ANCHOR RODS USING HILTI SAFESET HOLLOW DRILL BIT TECHNOLOGY.
   C. WHERE DRILLED REINFORCING STEEL DOWELS ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM INSTALLED USING HILTI SAFESET HOLLOW DRILL BIT TECHNOLOGY.
2. UNLESS OTHERWISE NOTED ON DRAWINGS, ANCHORAGE TO MASONRY TO BE:
   A. FOR SOLID OR GROUTED MASONRY, WHERE DRILLED MASONRY ANCHORS (DMA) ARE NOTED ON DRAWINGS, PROVIDE HILTI KB-3 EXPANSION ANCHORS.
   B. FOR SOLID OR GROUTED MASONRY, WHERE ADHESIVE ANCHORS ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM WITH HAS-E THREADED RODS.
   C. FOR HOLLOW MASONRY, PROVIDE HILTI HIT-HY 270 ADHESIVE ANCHORING SYSTEM WITH HIT-SC MESH SLEEVE AND HAS-E THREADED RODS.
3. WHERE GALVANIZED ANCHORS ARE SPECIFIED, PROVIDE HOT DIPPED GALVANIZED (NOT ZINC PLATED) ANCHORS.
4. CONCRETE TO BE MINIMUM 28 DAYS OLD AT THE TIME OF ANCHOR INSTALLATION.
5. USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURERS' RECOMMENDATIONS. HOLE DIAMETERS NOT TO EXCEED THOSE REQUIRED BY MANUFACTURER.
6. ARRANGE FOR A MANUFACTURER'S TECHNICAL REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL THE PRODUCTS SPECIFIED, AND CONDITIONS ENCOUNTERED (E.G. HORIZONTAL, INCLINED, OVERHEAD). SUBMIT RECORD OF TRAINING LISTING ALL TRAINED PERSONNEL. IN ADDITION, PERSONNEL INSTALLING ADHESIVE ANCHORS IN A HORIZONTALLY OR UPWARDLY INCLINED DIRECTION THAT ARE REQUIRED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE CERTIFIED IN ACCORDANCE WITH ACI/CRSI ADHESIVE INSTALLER CERTIFICATION PROGRAM AS PER CSA A23.3 ANNEX D.
7. ARRANGE FOR A MANUFACTURER'S TECHNICAL REPRESENTATIVE TO BE PRESENT DURING INSTALLATION OF FIRST FEW ANCHORS OF EACH SIZE AND TYPE. SUBMIT SITE REPORTS BY MANUFACTURER TO CONSULTANT WITHIN ONE WEEK OF EACH VISIT. REPORTS TO INDICATE ANCHOR TYPES AND SIZES INSTALLED, LOCATIONS AND INSTALLERS' NAMES.
8. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS. SCAN THE STRUCTURE TO LOCATE REINFORCEMENT PRIOR TO FABRICATING STRUCTURAL STEEL FASTENED BY DRILLED ANCHORS.
9. WHEN OBSTRUCTIONS PREVENT DRILLING HOLES IN SPECIFIED LOCATIONS TO THE REQUIRED DEPTH, RELOCATE AT NO EXTRA COST TO THE CONTRACT. OBTAIN CONSULTANT'S APPROVAL OF NEW LOCATIONS BEFORE DRILLING HOLES. FILL ALL ABANDONED HOLES WITH MIN. 30MPa GROUT. DO NOT TIGHTEN ANCHORS UNTIL GROUT IN ADJACENT ABANDONED HOLES REACHES 75% f'c.
10. DO NOT BEND POST INSTALLED DOWELS AND RODS AFTER INSTALLATION.
11. STANDARD EMBEDMENT LENGTHS FOR POST-INSTALLED ANCHORS:

ANCHOR TYPE	HILTI KB-TZ2		ADHESIVE HY-200V3		ADHESIVE HY-270 +HIT-S SCREEN	
BASE MATERIAL	CONCRETE	GROUTED MASONRY	CONCRETE	GROUTED MASONRY	GROUTED MASONRY	HOLLOW MASONRY
12 (1/2")	64 (2 1/2")	64 (2 1/2")	114 (4 1/2")	114 (4 1/2")	86 (3 3/8")	51 (2")
16 (5/8")	83 (3 1/4")	83 (3 1/4")	143 (5 5/8")	143 (5 5/8")	114 (4 1/2")	51 (2")
19 (3/4")	121 (4 3/4")	102 (4")	171 (6 3/4")	171 (6 3/4")	143 (5 5/8")	51 (2")
25 (1")	N/A	N/A	229 (9")	N/A	171 (6 3/4")	51 (2")

NOTES:

1. ALL ANCHORS TO HAVE MINIMUM EFFECTIVE EMBEDMENT LENGTHS NOTED IN THE TABLE ABOVE, UNLESS OTHERWISE SHOWN ON DRAWINGS.
2. FOLLOW INSTALLATION PROCEDURE AND USE TOOLS SPECIFIED IN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
3. GROUTED MASONRY :
   A. EMBEDMENTS SHOWN ARE FOR ANCHORS INTO THE SIDE OF A CONCRETE MASONRY UNIT.
   B. HIT-HY 200 ANCHORS MAY BE INSTALLED IN THE SIDE OF MASONRY AT ANY LOCATIONS LIMITED TO ONE ANCHOR PER CELL.
   C. ONLY INSTALL 5/8" AND 3/4" USING HIT HY-200V3 ANCHORS INTO GROUTED WALLS GREATER OR EQUAL TO 190 THICK
   D. HILTI HIT KB-TZ2 ANCHORS MAY ONLY BE INSTALLED ONLY THROUGH THE FACE SHELL OF THE BLOCK, A MINIMUM OF 35 (1-3/8") FROM ANY VERTICAL MORTAR JOINT.
4. RELOCATE ANCHORS AS REQUIRED TO CLEAR REINFORCING BARS. FILL ABANDONED ANCHOR HOLES WITH MIN. 30 MPa GROUT. DO NOT TIGHTEN ADJACENT ANCHORS UNTIL GROUT IN ABANDONED HOLES REACHES 75% fc'. DO NOT CUT ANY REINFORCING STEEL.

CONCRETE — GN-008
December 22, 2021

1. CONFORM TO CSA A23.1: "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".
2. CONCRETE IS SPECIFIED PER ALTERNATIVE 1 - PERFORMANCE SPECIFICATION AS OUTLINED IN CAN/CSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
3. THE CONCRETE SUPPLIER TO BE CERTIFIED BY "CONCRETE ONTARIO" (FORMERLY RMCAO CERTIFICATION).
4. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO ENSURE THAT THE PLASTIC AND HARDENED MIX PROPERTIES MEET SITE REQUIREMENTS FOR PLACING, FINISHING, AND THE SPECIFIED PERFORMANCE REQUIREMENTS.
5. CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
6. CONCRETE TO BE NORMAL DENSITY, UNLESS NOTED OTHERWISE.
7. NOMINAL SIZE OF COURSE AGGREGATE TO BE 20 (3/4"), UNLESS NOTED OTHERWISE.
8. PLACE CONCRETE AS CLOSE AS POSSIBLE TO FINAL LOCATION TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
9. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND. USE COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
10. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING. USE HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CAN/CSA-A23.1.
11. COLUMNS
    A. WHERE APPLICABLE, COLUMN OFFSETS FROM GRIDLINES ARE NOTED ON DRAWINGS. UPPER COLUMNS ARE CENTRED ON COLUMNS BELOW UNLESS NOTED OTHERWISE.
12. SLABS
    A. DO NOT STEEL TROWEL FINISH AIR-ENTRAINED CONCRETE, AS REQUIRED BY A23.1.
    B. PROVIDE MINIMUM 100 (4") BEARING ON MASONRY WALLS.
    C. SUBMIT LAYOUT DRAWINGS SHOWING SLEEVES AND OPENINGS REQUIRED BY ALL TRADES FOR THE CONSULTANT'S REVIEW. DO NOT LOCATE PENETRATIONS NEAR COLUMNS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL CONSULTANT.
13. CONSTRUCTION & CONTROL JOINTS
    A. PROVIDE JOINTS WHERE SPECIFIED OR SHOWN ON DRAWINGS. LOCATE SO AS NOT TO IMPAIR THE REQUIRED STRENGTH OF THE STRUCTURE. SUBMIT JOINT LAYOUT FOR REVIEW A MINIMUM OF 2 WEEKS PRIOR TO POURING CONCRETE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
    B. SLABS ON GRADE: CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM IN BOTH DIRECTIONS, WITH CONTROL JOINTS (SAWCUT JOINTS) IN BETWEEN AT 25 TIMES CONCRETE THICKNESS, BUT NOT MORE THAN 4.5m (15ft) MAXIMUM.
    C. FOUNDATION WALLS : VERTICAL CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM.
    D. INTERIOR WALLS : VERTICAL CONSTRUCTION JOINTS AT 30m (100ft) MAXIMUM., WITH CONTROL JOINTS IN BETWEEN AT 9m (30ft) MAXIMUM.
    E. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS ARE NOT PERMITTED, EXCEPT WHERE SHOWN ON THE STRUCTURAL DRAWINGS. CONSTRUCTION JOINTS ARE PERMITTED AT THE UNDERSIDE OF SLABS ABOVE.

ELEMENT	MIN. COMPRESSIVE STRENGTH (MPa) 28 DAYS	EXPOSURE CLASS	SPECIAL REQUIREMENTS & REMARKS
FOOTINGS	25	N / F2	
PIERS	25	N / F2	
SLAB-ON-GRADE (INTERIOR)	25	N	AT RESILIENT FINISHES, USE MAX W/CM <0.45
NON-STRUCTURAL TOPPINGS, HOUSEKEEEPING PADS	25	N	NOMINAL SIZE OF COARSE AGGREGATE : 10mm FOR TOPPINGS BETWEEN 25 AND 35 THICK, 14mm FOR TOPPINGS BETWEEN 35 AND 50 THICK
LEAN CONCRETE, MUDSLABS	10	N	
FROST SLAB	35	C1	PROVIDE CORROSION INHIBITOR PER NOTE #5

1. WHERE EXPOSURE CLASS IS NOTED "N / F2", USE F-2 EXPOSURE CLASS FOR PERIMETER AND EXTERIOR NON INSULATED ELEMENTS ABOVE THE FROST LINE, AND FOR ELEMENTS IN INTERIOR UNHEATED SPACES, WHICH ARE SUSCEPTIBLE TO FREEZING. USE N EXPOSURE CLASS FOR ELEMENTS PROTECTED FROM FREEZING.
2. LIMIT MAXIMUM AGGREGATE SIZE TO 10 (3/8") FOR COLUMNS WITH SMALLEST DIMENSION LESS THAN 300 (12"), FOR WALLS LESS THAN 200 (8") THICK, AND FOR TOPPINGS LESS THAN 75 (3") THICK.
3. REFER TO CAN/CSA A23.1 FOR THE MAXIMUM WATER/CEMENT RATIO, MINIMUM COMPRESSIVE STRENGTH, AIR CONTENT, CURING REQUIREMENTS, CHLORIDE ION PENETRABILITY, AND ALTERNATE CEMENT TYPE TO MEET THE REQUIREMENTS FOR THE NOTED EXPOSURE CLASS.
4. WHERE REQUIRED BY SPECIFICATIONS, PROVIDE MINIMUM AMOUNT OF SUPPLEMENTAL CEMENTING MATERIALS SPECIFIED FOR THE OVERALL PROJECT.
5. MINIMUM DOSAGE= 10L/m3 OF 30% SOLUTION OF CALCIUM NITRATE, AS PER CSA-S413

STRUCTURAL STEEL — GN-012
December 22, 2021

1. CONFORM TO CSA S16: "LIMIT STATES DESIGN OF STEEL STRUCTURES"
2. FABRICATOR SHALL BE CERTIFIED BY CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1, DIVISION 1 OR 2
3. MATERIALS: TO CSA G40.21 UNLESS OTHERWISE NOTED, WITH THE FOLLOWING GRADES:
   A. WIDE FLANGE SECTIONS - 350W
   B. CHANNELS, ANGLES - 350W
   C. PLATES, BARS - 300W
   D. HOLLOW STRUCTURAL SECTIONS (HSS) - 350W (CLASS 'C') OR ASTM A500, 345MPa (GRADE 'C')
   E. GALVANIZED HSS 350W (CLASS 'H') OR STRESS-RELIEVED PRIOR TO GALVANIZING.
   F. STEEL PIPE - ASTM A53, 240W
   G. STRUCTURAL STEEL BOLTS - ASTM A325M, UNLESS NOTED
   H. ANCHOR RODS - 300W
4. DETAILS ON STRUCTURAL DRAWINGS SHOW DESIGN INTENT. REFER TO SPECIFICATIONS FOR CONNECTION DESIGN, DETAILING, FABRICATION, AND ERECTION REQUIREMENTS.
5. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
6. CLEAN SURFACES DOWN TO BARE METAL AND APPLY TWO COATS OF ZINC-RICH TOUCH-UP PAINT TO ANY GALVANIZED SURFACE THAT HAS BEEN DAMAGED OR FIELD WELDED.
7. PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
8. WHERE MOMENT CONNECTIONS ARE SHOWN ON PLAN PROVIDE CONNECTION FOR FULL MEMBER CAPACITY UNLESS NOTED OTHERWISE.
9. DISTRIBUTE HANGER LOADS FROM MECHANICAL AND HEAVY ELECTRICAL SERVICES SUSPENDED FROM STEELWORK UNIFORMLY ALONG MEMBERS. DO NOT CAUSE TWISTING OF STEEL MEMBERS OR EXCESSIVE BENDING OF MEMBER FLANGES. ALTERNATE HANGER POSITION ON EITHER SIDE OF MEMBERS.
10. WHERE SEISMIC RESTRAINTS ARE REQUIRED FOR NON-STRUCTURAL ELEMENTS, APPLY LOADS IN THE PLANE OF PRIMARY STRUCTURAL ELEMENTS, AND DO NOT EXCEED 1.5kN.
11. DO NOT APPLY LATERAL LOADS TO MEMBERS UNLESS APPROVED BY THE CONSULTANT.
12. GROUT UNDER BASE PLATES AND BEARING PLATES USING PROCEDURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE 100% CONTACT OVER GROUTED AREA.
13. GROUT COLUMN BASE PLATES AND BEAM BEARING PLATES AS SOON AS STEELWORK IS COMPLETED. DO NOT ADD LOAD ON STEELWORK UNTIL GROUTING IS COMPLETED AND GROUT STRENGTH HAS REACHED AT LEAST 20 MPA.

STEEL JOISTS — GN-013
December 22, 2021

1. CONFORM TO CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES" AND CSA S136 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. MATERIALS: TO CSA G40.21 OR ASTM A500.
3. DESIGN STEEL JOISTS FOR THE LOADS AND STIFFNESS DESCRIBED ON THE STRUCTURAL DRAWINGS. LIMIT TOTAL DEFLECTIONS TO L/240 AND DEFLECTIONS UNDER LIVE OR SNOW LOADS TO L/360, UNLESS OTHERWISE NOTED.
4. DO NOT MODIFY STEEL JOISTS ON SITE.
5. ANCHOR BRIDGING TO FRAMING MEMBERS AND SUPPORTS AS PER TYPICAL DETAILS.
6. FOR JOISTS BEARING ON MASONRY OR CONCRETE WALLS, DESIGN BEARING PLATES AND ANCHORAGE TO SUIT JOIST REACTION FOR GRAVITY AND UPLIFT LOADS. COORDINATE WITH BEAM BEARING PLATE LOCATIONS. FOR COMMON BEARING, PROVIDE NECESSARY SEATS AND ENLARGE BEARING PLATES AS REQUIRED FOR THE ADDITIONAL LOAD.
7. WHEN SUSPENDING VERTICAL LOADS FROM TOP OR BOTTOM JOIST CHORDS, DISTRIBUTE HANGERS UNIFORMLY ALONG JOISTS. DO NOT CAUSE TWISTING OF JOISTS OR JOIST CHORDS. EXTEND HANGER RODS BETWEEN DOUBLE ANGLE CHORDS WHERE POSSIBLE; OTHERWISE ATTACH USING ONLY CLAMPS OR U-BOLTS. IF THE APPLIED LOAD IS MORE THAN 1.5 kN, LOCATE SUSPENSION POINT NOT MORE THAN 100 (4") FROM JOIST PANEL POINT.
8. WHERE SEISMIC RESTRAINTS ARE REQUIRED FOR NON-STRUCTURAL ELEMENTS, APPLY LOADS IN THE PLANE OF THE JOISTS, AND DO NOT EXCEED 1.5kN. DO NOT APPLY CONCENTRATED MOMENTS.
9. DO NOT APPLY LATERAL LOADS TO ANY JOISTS.

STEEL ROOF DECK — GN-014
December 22, 2021

1. CONFORM TO S136 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR STEEL DECKING, AND TO CONCRETE AND CONCRETE REINFORCEMENT NOTES.
2. STEEL DECK MATERIAL: TO ASTM A653/653M OR ASTM A792/792M, GRADE 230.
3. DESIGN STEEL DECK AND CONNECTING FASTENERS FOR THE LOADS DESCRIBED ON THE STRUCTURAL DRAWINGS. LIMIT TOTAL DEFLECTIONS TO L/240 AND DEFLECTIONS UNDER LIVE OR SNOW LOADS TO L/360. REFER TO PLANS AND SPECIFICATIONS FOR LOADING AND PERFORMANCE REQUIREMENTS.
4. DECK THICKNESS AND DECK FASTENERS SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. ALTERNATIVE SOLUTIONS MAY BE PROPOSED BY DECK SUPPLIER'S ENGINEER.
5. MINIMUM DECK FASTENING REQUIREMENTS (IF DIAPHRAGM SHEAR AND / OR DECK FASTENERS ARE NOT NOTED ON PLAN) ARE AS FOLLOWS:
   DIAPHRAGM SHEAR: 5 kN/m (MINIMUM)
   TRANSVERSE FASTENERS
   19 (3/4") DIAMETER ARC SPOT WELDS, OR HILTI DIRECT FASTENERS, PLACED IN EVERY SECOND FLUTE. IN ADDITION, PLACE TWO FASTENERS IN FLUTES WHERE SIDE LAPS ARE MADE, ONE EACH SIDE OF LAP.
   LONGITUDINAL FASTENERS
   TYPE TO MATCH TRANSVERSE FASTENERS, SPACED AT 450 (18") ON CENTRE
   SIDELAPS
   MECHANICALLY CLINCHED (BUTTON PUNCHED) OR FASTENED WITH #10 SCREWS, SPACED AT 230 (9") ON CENTRE
6. STEEL ROOF DECK IS DESIGNED TO SUPPORT UNIFORMLY DISTRIBUTED LOADS INDICATED ON DRAWINGS AND MAY NOT BE ABLE TO RESIST CONCENTRATED LOADS. DO NOT HANG ANY CONCENTRATED LOADS FROM STEEL ROOF DECK, AND ATTACH TO STRUCTURAL STEEL FRAMING INSTEAD.

LOAD BEARING MASONRY — GN-017
December 22, 2021

1. CONFORM TO CSA A371 "MASONRY CONSTRUCTION FOR BUILDINGS" AND CSA S304.1 "DESIGN OF MASONRY STRUCTURE
2. MATERIALS:
   A. HOLLOW BLOCK: CSA A165.1 - H/15/C/M
   B. SOLID BLOCK: CSA A165.1 - SF/15/C/M
   C. MORTAR: CSA A179 - TYPE S
   D. MASONRY GROUT: CSA A179M - COARSE GROUT, 1:3:2 - CEMENT: SAND: PEA-STONE BY VOLUME, WITH SLUMP, OR APPROVED PRE-BAGGED MATERIAL
3. MASONRY CONTRACTOR IS TO BE A MEMBER OF THE CANADIAN MASONRY CONTRACTORS ASSOCIATION.
4. NON LOAD-BEARING MASONRY WALLS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
5. LAY UNITS IN RUNNING BOND. ALL FACE SHELLS TO BE FULLY BEDDED, UNLESS NOTED OTHERWISE.
6. DO NOT USE MORTAR WHERE GROUT IS SPECIFIED.
7. PROVIDE LADDER TYPE HORIZONTAL JOINT REINFORCING PER ARCHITECTURAL SPECIFICATIONS, UNLESS OTHERWISE NOTED. USE CORNER TYPE LADDER REINFORCING AT ALL MASONRY WALL CORNERS AND INTERSECTIONS.
8. INTERLOCK MASONRY COURSES AT ALL WALL CORNERS AND INTERSECTIONS.
9. PROVIDE LATERAL SUPPORT AT TOPS OF ALL WALLS, REFER TO TYPICAL DETAILS.
10. PROVIDE VERTICAL MOVEMENT JOINTS (MJ) IN LOAD BEARING WALLS AT LOCATIONS INDICATED ON PLANS, FILL WITH COMPRESSIBLE MATERIAL AS PER ARCHITECTURAL SPECIFICATIONS. EXTEND MOVEMENT JOINTS HEIGHT OF WALL, TERMINATING AT THE UNDERSIDE OF CONTINUOUS BOND BEAMS AT THE FLOOR OR ROOF (WHERE APPLICABLE).
11. PROVIDE VERTICAL MOVEMENT JOINTS (MJ) IN NON-LOAD BEARING WALLS AS INDICATED ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
12. PROVIDE MIN. 190 (7-1/2") DEEP BOND BEAMS AT TOP OF WALLS. REINFORCE WITH MIN. 1-15 TOP AND BOTTOM CONTINUOUS AND GROUT SOLID. CARRY ALL VERTICAL REINFORCING BARS CONTINUOUSLY THROUGH BOND BEAM.
    TERMINATE HORIZONTAL REINFORCING WITH 90 HOOKS.
13. REINFORCED MASONRY:
    A. SEE PLANS AND DETAILS FOR STRUCTURAL MASONRY REINFORCING.
    B. MASONRY CELLS TO BE REINFORCED ARE TO BE CLEAR OF CONDUITS AND OVER-HANGING MORTAR OR DEBRIS.
    C. SPLICES FOR MASONRY WALL REINFORCING TO BE:
       WIRE REINFORCING 200 (8")
       10M BARS 450 (18")
       15M BARS 650 (26")
       20M BARS 900 (36")
       25M BARS 1300 (51")
    D. LOCATE VERTICAL BARS ACCURATELY WITHIN CELLS AS INDICATED ON DRAWINGS. HOLD IN POSITION AND BOTTOM. USE REBAR POSITIONERS AS REQUIRED.
    E. PROVIDE VERTICAL DOWELS AT BASE OF WALLS TO MATCH VERTICAL REINFORCING. EMBED INTO SLAB WITH STANDARD HOOKS OR PROVIDE CLASS B LAP INTO FOUNDATION WALLS BELOW (AS APPLICABLE).
    F. REINFORCE ALL SIDES OF WALL OPENINGS EXCEEDING 1000 (3'-6") IN WIDTH OR HEIGHT WITH ADDITIONAL 1-15 HORIZONTAL AND VERTICAL AS APPROPRIATE. EXTEND 600 (2'-0") BEYOND OPENING. PLACE HORIZONTAL BARS IN BLOCKS WITH PREFORMED CELLS WHICH ALLOW PASSING OF VERTICAL BARS. WHERE STEEL LINTELS ARE USED, OFFSET VERTICALS TO CLEAR LINTEL BEARING.
    G. ADD 1-15 VERTICAL AT WALL ENDS AND ON EACH SIDE OF MOVEMENT JOINTS.
    H. UNLESS OTHERWISE NOTED, REINFORCE ALL MASONRY WITH 15@1200 VERTICAL + 2-3.6 DIAM. WIRES LADDER-TYPE HORIZONTAL REINFORCING AT 400 CENTRES.
14. GROUTING MASONRY:
    A. GROUT CELLS CONTAINING VERTICAL OR HORIZONTAL REINFORCEMENT ONLY. IF MASONRY WALLS ARE AS "GROUTED SOLID" ON PLAN, THEN GROUT ALL CELLS FULLY.
    B. USE LOW LIFT GROUTING PROCEDURE UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL CONSULTANT. PLACE GROUT IN LIFTS NOT EXCEEDING 1500 (5'-0") HEIGHT. TERMINATE EACH LIFT 40 (1 ½") BELOW TOP OF MASONRY UNIT.
    C. UNLESS OTHERWISE NOTED, PREFILL VOIDS IN MASONRY UNITS BELOW BEAM AND JOIST SUPPORTS WITH GROUT FOR A MINIMUM VERTICAL DEPTH OF 600 (2'-0") AND A LENGTH EXTENDING MINIMUM 200 (8") BEYOND THE EDGES OF BEARING PLATES. SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCING AND GROUTING UNDER ROOF BEAMS AND JOISTS.
    D. FULLY GROUT ALL WALL POCKETS AFTER INSTALLATION OF STEEL BEAMS OR JOISTS.

Simcoe Muskoka Catholic District School Board

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No	Revision	Date
7	ISSUED FOR TENDER	2026-11-12
6	ISSUED FOR PRE-TENDER REVIEW R1	2026-10-26
5	ISSUED FOR BIDS	2026-05-29
4	ISSUED FOR PRE-TENDER	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS SET	2026-02-10
1	ISSUED FOR 30% PROGRESS SET	2025-12-16

0 500 1000 2000 3000 4000 5000 6000 7000 8000
Scale 1:100 Unless Indicated Otherwise

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.
General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

LICENSED PROFESSIONAL ENGINEER
2026-11-12
I. BREGASI
100560556
PROVINCE OF ONTARIO

Drawing Title:

GENERAL NOTES

Scale:	1 : 20	Date:	2026-10-26
Drawn by:	H.R.	Checked by:	I.B.
Job No.	26210	Drawing No.	S100

PRINTED 2026-11-13 9:17:40 AM

DRAWING ABBREVIATIONS

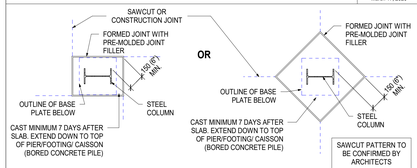
AR	ANCHOR ROD
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
Af	FACTORED AXIAL LOAD IN kN
	(+ INDICATES TENSION,
	- INDICATES COMPRESSION)
ALT	ALTERNATE
ARCH	ARCHITECTURAL
B, BOT	BOTTOM
BCP	BORED CONCRETE PILE
BEW	BOTTOM EACH WAY
BLL	BOTTOM LOWER LAYER
BM	BEAM
BOF	BOTTOM OF FOOTING ELEVATION
BOP	BOTTOM OF PILE ELEVATION
BP	BEARING/BASE PLATE
BUL	BOTTOM UPPER LAYER
BUP	BOTTOM OF UNDERPINNING
CA	COLUMN ABOVE ONLY (NO COLUMN BELOW)
CAM	CAMBER
CANT	CANTILEVER
CB	COLUMN BELOW
C/C	CENTRE TO CENTRE
CEL	CUT OFF ELEVATION FOR PILES
CJ	CONTROL JOINT (CONCRETE)
CLR	CLEAR
℄	CENTRELINE
CNT	STEEL DECK CORE NOMINAL THICKNESS
CONSTR JT	CONSTRUCTION JOINT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CP	CONNECTION PLATE
CWS	
CLS	SEE GENERAL NOTES
CSS	
C	STRUCTURAL STEEL CHANNEL
DCA	DRILLED CONCRETE ANCHOR
DET	DETAIL
DFL	DOUGLAS FIR-LARCH
DIA	DIAMETER
DIM	DIMENSION
DL	DEAD LOAD IN kN/m ²
DMA	DRILLED MASONRY ANCHOR
DO	DITTO
DP	DEEP
DWG	DRAWING
DWL	DOWEL
EA	EACH
ECR	EPOXY COATED REINFORCEMENT
EE	EACH END
EF	EACH FACE
EJ	EXP. JT EXPANSION JOINT
EL,	ELEV ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EX, EXIST	EXISTING
FD	FLOOR DRAIN
FF	FAR FACE
FL	FLOOR
FMC	FULL MOMENT CONNECTION
FTG	FOOTING
f'c	COMPRESSIVE STRENGTH OF CONC IN MPa
fy	YIELD STRENGTH IN MPa
GA	GAUGE
GALV	GALVANIZED STEEL
GB	GRADE BEAM
GL	GRIDLINE
h	TOTAL THICKNESS
HOR	HORIZONTAL
HEF	HORIZONTAL EACH FACE
HH	HOOK-HOOK (HOOK EACH END)
HIC	HORIZONTAL IN CENTRE
H	HOOK
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
IBA	INTEGRITY BARS ADDED
IBI	INTEGRITY BARS INTERIOR
IBE	INTEGRITY BARS EXTERIOR
ld	TENSION DEVELOPMENT LENGTH OF REBAR
ldc	COMPRESSION DEVELOPMENT LENGTH OF REBAR
L	SINGLE ANGLE
⊥ 2Ls	DOUBLE ANGLES
LE	LEFT END
LG	LONG/LENGTH 2
LL	LIVE LOAD IN kN/m / LOWER LEVEL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSV	LONG SIDE VERTICAL
LSH	LONG SIDE HORIZONTAL
LP	LOW POINT
L-1, L-2, etc.	SPECIAL LINTEL AS SHOWN IN SCHEDULE
MAX	MAXIMUM
Mf	FACTORED MOMENT IN kN.m
MJ	MOVEMENT JOINT (MASONRY)
MIN	MINIMUM
NF	NEAR FACE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O/C	ON CENTRE
O/O	OUT TO OUT
P	POINT LOAD IN kN
Pf	FACTORED POINT LOAD IN kN
PL	PLATE
RD	ROOF DRAIN
REINF	REINFORCEMENT
RE	RIGHT END
Rf	FACTORED VERTICAL REACTION IN kN
Rhf	FACTORED HORIZONTAL REACTION IN kN
SDL	SUPERIMPOSED DL (EXCLUDING SELF-WEIGHT) IN kN/m
SECT	SECTION
SIM	SIMILAR
SLS	SERVICEABILITY LIMIT STATE
SL1, SL2, etc.	SHELF ANGLE L 2, ETC
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SPF	SPRUCE PINE FIR
STIR	STIRRUP
STIFF	STIFFENER
t	THICKNESS
T	TOP
T/O	TOP OF
TEW	TOP EACH WAY
TJ	TIE JOIST
TLL	TOP LOWER LAYER
Tmf	FACTORED TORSION IN kN.m
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PILE
TOS	TOP OF STEEL
TPC	TOP OF PILE CAP
TUL	TOP UPPER LAYER
TYP	TYPICAL
UL	UPPER LEVEL
ULS	ULTIMATE LIMIT STATE
U/S	UNDERSIDE
U/N	UNLESS NOTED
UPT	UPTURNED
VB	VERTICAL BRACING
VEF	VERTICAL EACH FACE
Vf	FACTORED SHEAR IN kN
VIC	VERTICAL IN CENTRE
VERT	VERTICAL
VSC	VERTICALLY SLOTTED CONNECTION TO ALLOW FOR DEFLECTION
VXB	VERTICAL CROSS BRACING ('X' SHAPE)
W	STRUCTURAL STEEL WIDE FLANGE BEAM
WC	WIND COLUMN
WWF	STRUCTURAL STEEL WELDED WIDE FLANGE BEAM
W.W.F	WELDED WIRE FABRIC
W /	WITH
ZRP	ZINC RICH PAINT

DRAWING LEGEND

- HOLE THROUGH CONCRETE BEAM
- HOLE THROUGH STEEL BEAM
- UPPER LEVEL BM/JOIST (UL) / LOWER LEVEL BM/JOIST (LL)
- MOMENT CONNECTION
- STEP DOWN FOOTING IN DIRECTION OF ARROW (SDF)
- X: SECTION NUMBER, Y: DRAWING REFERENCE (SIM. X/Y)
- EXISTING FRAMING
- EXISTING CONCRETE MASONRY WALL
- CONCRETE MASONRY WALL
- EXISTING CAST-IN PLACE CONCRETE
- FULLY GROUTED CONCRETE MASONRY WALL
- STRUCTURAL PRECAST CONCRETE
- CAST-IN PLACE CONCRETE
- LOAD BEARING WALL OR COLUMN BELOW
- NEW GRID LINE (G/L)
- EXISTING GRID LINE REFERENCE (X)
- ELEVATION SYMBOL (ELEVATION LEVEL NAME)
- STEP IN SLAB ON GRADE
- DRAWING REVISION NUMBER (X)
- CURRENT REVISION CLOUD
- CONCRETE MASONRY LINTEL OR BOND BEAM BLOCK
- SOIL (SEE GEOTECH REPORT)
- GRANULAR SUBBASE (SEE GEOTECH REPORT)

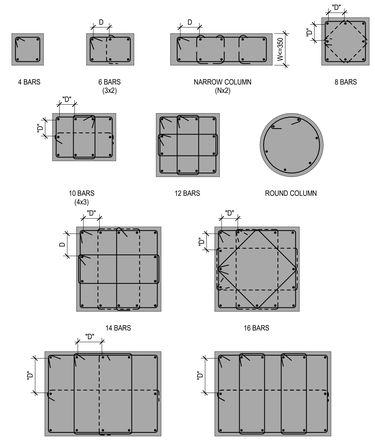
TYPICAL SLAB ON GRADE JOINTS AROUND STEEL COLUMN — CD-103

March 17, 2020



TIE ARRANGEMENTS FOR REINFORCED PIERS — CD-401

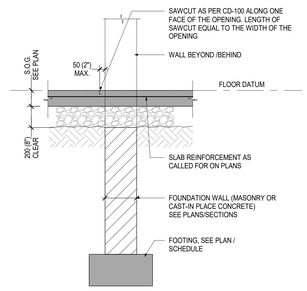
October 19, 2020



- FOR RECTANGULAR COLUMN, VERTICALS ARRANGEMENT IS GIVEN IN (YxZ) WITH Y BEING THE # OF VERTICALS PARALLEL TO THE LONG SIDE OF THE COLUMN AND Z BEING THE # OF VERTICALS PARALLEL TO THE SHORT SIDE OF THE COLUMN.
- FOR SQUARE COLUMNS, VERTICALS TO BE PLACED EQUALLY ON EACH SIDE OF COLUMN.
- IF DIMENSION "D" GREATER THAN 150(6") OR IF ADDITIONAL TIES ARE SPECIFIED, ADD TIES SHOWN DASHED.
- SEE CD-400 FOR "TYPICAL TIE SHAPES"
- FOR COLUMNS LESS THAN OR EQUAL TO 350 WIDE, REFER TO "NARROW COLUMN" DETAIL.

SLAB ON GRADE CONTROL JOINT AT INTERIOR DOORWAY — CD-104

March 17, 2020



COMPRESSION DEVELOPMENT LENGTHS AND LAP SPLICES LENGTHS - BAR GRADE 400 MPa — CD-901

March 17, 2020

COMPRESSION DEVELOPMENT LENGTH FOR BAR GRADE 400 MPa, Ldc IN mm (in")

BAR SIZE	f'c = 25	f'c = 30	f'c = 35	f'c = 40	f'c = 50
10	220 (9")	200 (8")	200 (8")	200 (8")	200 (8")
15	310 (12")	280 (11")	280 (11")	280 (11")	280 (11")
20	380 (15")	340 (13")	340 (13")	340 (13")	340 (13")
25	490 (19")	440 (17")	440 (17")	440 (17")	440 (17")
30	580 (23")	530 (21")	530 (21")	530 (21")	530 (21")
35	690 (27")	630 (25")	630 (25")	630 (25")	630 (25")

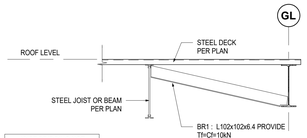
COMPRESSION LAP SPLICE LENGTHS IN mm (in")

BAR SIZE	STANDARD LAP
10	300 (12")
15	440 (17")
20	590 (23")
25	730 (29")
30	880 (35")
35	1030 (41")

- IF VALUE NOT PROVIDED IN TABLE FOR ANY CONCRETE STRENGTH BETWEEN 25 TO 50, VALUES ARE TO BE INTERPOLATED FROM NEAREST VALUES PROVIDED.
- FOR BUNDLED BARS, MULTIPLY VALUES IN TABLE BY 10% FOR A TWO BAR BUNDLE, 20% FOR A THREE BAR BUNDLE AND 33% FOR A FOUR BAR BUNDLE

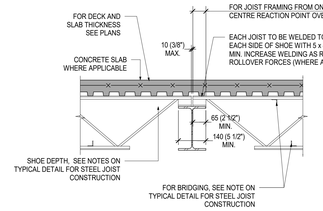
TYPICAL EDGE BEAM KICKER DETAIL — PD-S-001

October 29, 2020



TYPICAL JOIST BEARING ON STEEL BEAM — SD-306

October 29, 2020



NOTES:

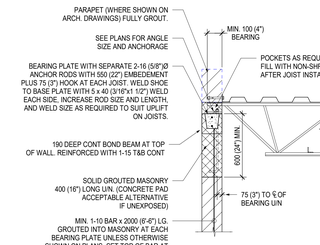
1. AT BEAMS SUPPORTING JOISTS FRAMING FROM BOTH SIDES, WHERE SPAN OF THE JOIST AT ONE SIDE OF THE BEAM IS MORE THAN TWICE THE SPAN OF THE JOIST AT THE OTHER SIDE OF THE BEAM, OFFSET JOISTS AND CENTRE REACTION POINTS OVER BEAM CENTROID.
2. IF THE SUPPORTING BEAM FLANGE WIDTH IS LESS THAN 140 (5 1/2"), OFFSET JOISTS AND CENTRE REACTION POINTS OVER BEAM CENTROID.
3. MAXIMUM JOIST OFFSET NOT TO EXCEED 150 (6").

ROOF JOIST BEARING ON MASONRY (FROM ONE SIDE ONLY) — SD-302

October 29, 2020

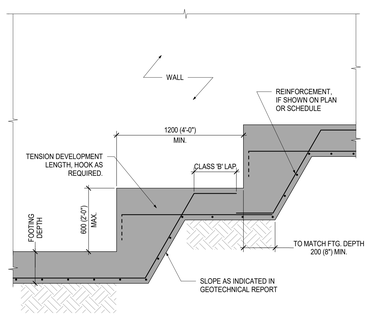
MASONRY BEARING

PROVIDE SOLID GROUT FILLED BLOCK CENTRED UNDER JOIST SHOES. LENGTH OF SHOE PERPENDICULAR TO WALL SHALL BE 100 (4") MIN., WITH C OF BEARING 75 (3") MINIMUM FROM FACE OF WALL UNLESS OTHERWISE SHOWN ON DWG'S. FACTORED BEARING STRESS UNDER JOIST BEARING PLATE SHALL NOT EXCEED 1.65 MPa.



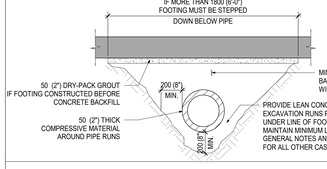
STEPPING OF STRIP FOOTING — CD-008

October 19, 2020



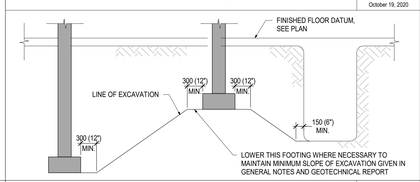
BACKFILL AROUND PIPE UNDER STRIP FOOTING — CD-011

October 19, 2020



SLOPE BETWEEN ADJACENT EXCAVATIONS — CD-012

October 19, 2020



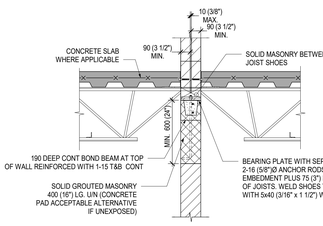
FLOOR JOIST ON MASONRY (FROM TWO SIDES) — SD-305

October 29, 2020

MASONRY BEARING

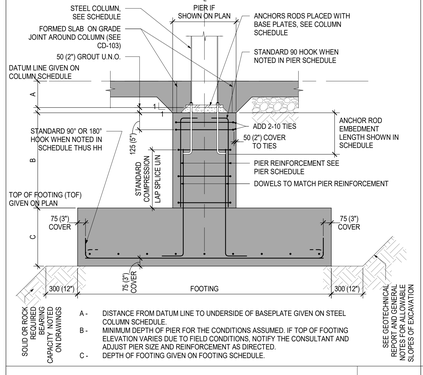
PROVIDE SOLID FILLED BLOCK CENTERED UNDER JOIST SHOES. LENGTH OF SHOE PERPENDICULAR TO WALL SHALL BE 90 (3 1/2") MIN., WITH C OF BEARING 45 (1 3/4") MINIMUM FROM FACE OF WALL UNLESS OTHERWISE SHOWN ON DWGS. FACTORED BEARING STRESS UNDER JOIST BEARING PLATE SHALL NOT EXCEED 1.65 MPa.

- WHERE SPAN OF THE JOIST AT ONE SIDE OF THE WALL IS MORE THAN TWICE THE SPAN OF THE JOIST AT THE OTHER SIDE OF THE WALL, OFFSET JOISTS AND CENTER REACTION MIN. 75 (3") FROM FACE OF WALL.
- MAXIMUM JOIST OFFSET NOT TO EXCEED 150 (6").



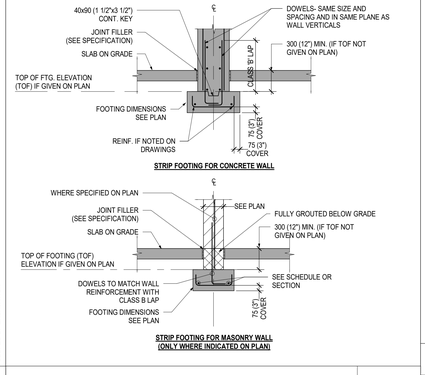
FOOTING AT STEEL COLUMN — CD-002

October 19, 2020



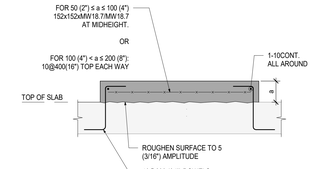
STRIP FOOTING FOR WALLS — CD-007

October 19, 2020



HOUSEKEEPING PADS — CD-904

March 17, 2020



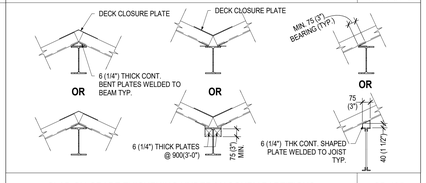
ALTERNATIVE: DRILL IN DOWELS 150 (6") DEEP & BOND WITH HILTI HY200 ADHESIVE

NOTES:

1. FOR PAD SIZES, FINISH AND LOCATIONS, REFER TO MECHANICAL AND ELECTRICAL AND ARCHITECTURAL DRAWINGS
2. FOR PADS MORE THAN 200 (8") THICK OBTAIN CONSULTANT'S APPROVAL PRIOR TO POURING.

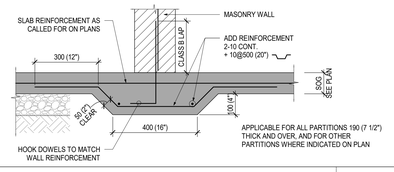
SUPPORT OF SLOPED ROOF DECK — SD-202

October 29, 2020

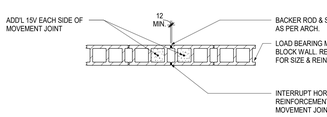


SLAB ON GRADE THICKENING UNDER MASONRY PARTITIONS — CD-105

October 19, 2020

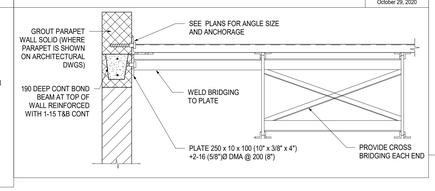


TYPICAL MOVEMENT JOINT DETAIL IN LOAD BEARING MASONRY BLOCK WALL — PD-002



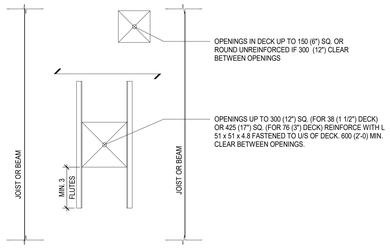
ANCHORAGE OF BRIDGING AND STEEL DECK TO MASONRY — SD-308B

October 29, 2020



ROOF DECK OPENINGS — SD-206

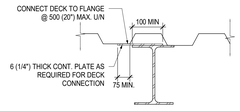
March 17, 2020



- ALL LARGER OPENINGS AND OPENINGS SPACED CLOSER THAN SPECIFIED ABOVE TO BE FRAMED BY STRUCTURAL STEEL, SEE DRAWING NOTES.

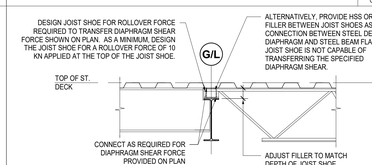
STEEL BEAM PARALLEL OR ANGLED TO STEEL DECK — SD-203

October 29, 2020



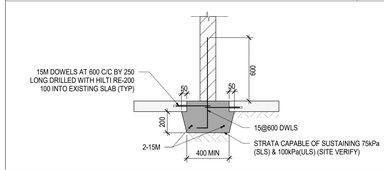
TYPICAL DIAPHRAGM SHEAR CONNECTION DETAIL — SD-208

October 29, 2020



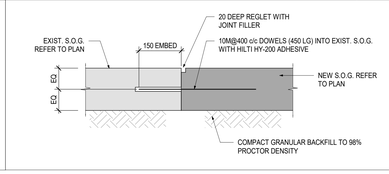
SLAB THICKENING UNDER ALL NEW MASONRY PARTITIONS ON EXISTING SOG — PD-001

November 22, 2023



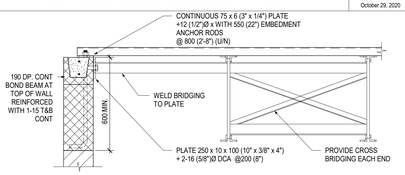
DOWEL TO EXIST SLAB ON GRADE — PD-C-005

October 29, 2020



ANCHORAGE OF BRIDGING AND STEEL DECK TO MASONRY — SD-308A

October 29, 2020



Simcoe Muskoka Catholic District School Board

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Mechanical and Electrical Consultants
RDZ Engineering Limited
30 Pennsylvania Ave #17A
Concord, ON, L4K 4A5
Tel:

Civil Consultant
Flora Designs Inc.
1109 Britannia Rd East
Mississauga, ON, L4W 3X1
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Landscape Consultant
Henry Kortekaas + Associates Inc. (HKLA)
230 Westney Rd S, Suite 308
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Tel: 905-839-5599

No.	Revisions	Date
7	ISSUED FOR TENDER	2026-11-12
6	ISSUED FOR PRE-TENDER REVIEW R1	2026-10-26
5	ISSUED FOR BIDS	2026-05-29
4	ISSUED FOR PRE-TENDER	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS SET	2026-02-10
1	ISSUED FOR 30% PROGRESS SET	2025-12-16

0 500 1000 2000 3000 4000 5000 6000 7000 8000

Scale 1:100 Unless Indicated Otherwise

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

LICENSED PROFESSIONAL ENGINEER 2026-11-12 BREGAR 100560556 PROVINCE OF ONTARIO

Drawing Title:

TYPICAL DETAILS

Scale: As indicated	Date: 2026-10-26
Drawn by: H.R.	Checked by: I.B.
Job No. **26210**	Drawing No. S101

PRINTED 2026-11-13 8:17:41 AM

TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICES - BAR GRADE 400 MPa

CD-900
March 17, 2020

FOR CONCRETE STRENGTHS NOT SHOWN BETWEEN 25 TO 50, VALUES ARE TO BE INTERPOLATED FROM NEAREST VALUES PROVIDED IN TABLE BELOW.

TENSION DEVELOPMENT LENGTH FOR BAR GRADE 400 MPa, Ld, IN mm (in")

- BLACK BARS (IN MEMBERS CONTAINING MINIMUM TIES OR STIRRUPS, A MINIMUM SPACING OF 2.0d/b, AND CLEAR COVER OF A MINIMUM OF 1.0d/b; OR ALL SLABS AND WALLS)
- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.5 EXCEPT THAT A MULTIPLIER OF 1.2 CAN BE USED WHEN CLEAR COVER IS MORE THAN 3x BAR DIAMETER AND CLEAR SPACING BETWEEN BARS IS MORE THAN 6x BAR DIAMETER.
- FOR SEMI LOW DENSITY CONCRETE MULTIPLY VALUES IN TABLE BY 1.2.
- FOR BUNDLED BARS, MULTIPLY VALUES IN TABLE BY 10% FOR A TWO BAR BUNDLE, 20% FOR A THREE BAR BUNDLE AND 33% FOR A FOUR BAR BUNDLE
- "TOP" MEANS THAT THERE IS MORE THAN 300 (12") OF CONCRETE BELOW, AND LESS THAN 300 (12") OF CONCRETE ABOVE THE HORIZONTAL BAR WITHIN THE INDIVIDUAL CONCRETE POUR.
- ALL VERTICAL BARS ARE CONSIDERED "BOTTOM" WITH MINIMUM STIRRUPS OR TRANSVERSE REINFORCEMENT AND A MIN SPACING OF 2.0Db

BAR SIZE	f'c = 25		f'c = 30		f'c = 35		f'c = 40		f'c = 50	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	300 (12")	380 (15")	300 (12")	350 (14")	300 (12")	320 (13")	300 (12")	300 (12")	300 (12")	300 (12")
15	440 (17")	570 (23")	400 (16")	520 (21")	370 (14")	480 (19")	350 (14")	450 (18")	310 (12")	400 (16")
20	580 (23")	750 (30")	530 (21")	690 (27")	490 (19")	640 (25")	460 (18")	600 (24")	410 (16")	530 (21")
25	900 (36")	1170 (46")	830 (32")	1070 (42")	770 (30")	990 (39")	720 (28")	930 (37")	640 (25")	830 (33")
30	1080 (43")	1410 (55")	990 (39")	1290 (51")	920 (36")	1190 (47")	860 (34")	1110 (44")	770 (30")	1000 (39")
35	1260 (50")	1640 (65")	1160 (46")	1500 (60")	1070 (42")	1390 (55")	1000 (40")	1300 (52")	900 (35")	1160 (46")

CLASS B TENSION LAP SPLICES LENGTH FOR BAR GRADE 400 MPa IN mm (in")

- BLACK BARS (IN MEMBERS CONTAINING MINIMUM TIES OR STIRRUPS, A MINIMUM SPACING OF 2.0d/b, AND CLEAR COVER OF A MINIMUM OF 1.0d/b; OR ALL SLABS AND WALLS)
- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.5 EXCEPT THAT A MULTIPLIER OF 1.2 CAN BE USED WHEN CLEAR COVER IS MORE THAN 3x BAR DIAMETER AND CLEAR SPACING BETWEEN BARS IS MORE THAN 6x BAR DIAMETER
- FOR SEMI LOW DENSITY CONCRETE MULTIPLY VALUES IN TABLE BY 1.2
- FOR BUNDLED BARS, MULTIPLY VALUES IN TABLE BY 10% FOR A TWO BAR BUNDLE, 20% FOR A THREE BAR BUNDLE AND 33% FOR A FOUR BAR BUNDLE
- "TOP" MEANS THAT THERE IS MORE THAN 300 (12") OF CONCRETE BELOW, AND LESS THAN 300 (12") OF CONCRETE ABOVE THE HORIZONTAL BAR WITHIN THE INDIVIDUAL CONCRETE POUR.
- ALL VERTICAL BARS ARE CONSIDERED "BOTTOM"

BAR SIZE	f'c = 25		f'c = 30		f'c = 35		f'c = 40		f'c = 50	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
10	380 (15")	490 (19")	350 (14")	450 (18")	320 (13")	420 (17")	300 (12")	390 (15")	300 (12")	350 (14")
15	570 (23")	740 (29")	520 (21")	670 (27")	480 (19")	620 (25")	450 (18")	580 (23")	400 (16")	520 (20")
20	750 (29")	980 (39")	690 (27")	890 (35")	640 (25")	830 (33")	600 (24")	770 (30")	530 (21")	690 (27")
25	1170 (46")	1530 (61")	1070 (42")	1390 (55")	990 (39")	1290 (51")	930 (37")	1210 (48")	830 (33")	1080 (43")
30	1410 (56")	1830 (72")	1290 (51")	1670 (66")	1190 (47")	1550 (61")	1110 (44")	1450 (57")	1000 (39")	1300 (51")
35	1640 (65")	2130 (84")	1500 (60")	1950 (77")	1390 (55")	1800 (72")	1300 (52")	1690 (67")	1160 (46")	1510 (59")

MINIMUM TENSION EMBEDMENT LENGTH WITH STANDARD END HOOKS FOR BAR GRADE 400 MPa IN mm (in")

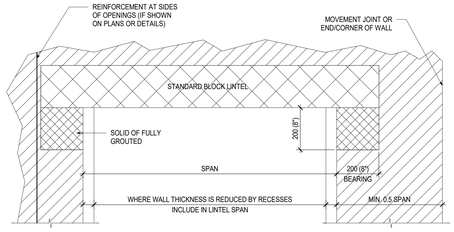
- BLACK BARS
- FOR EPOXY BARS MULTIPLY VALUES IN TABLE BY 1.2
- FOR SEMI LOW DENSITY CONCRETE MULTIPLY VALUES IN TABLE BY 1.2
- IF SIDE COVER (PERPENDICULAR TO THE PLANE OF THE HOOK) IS < 60 (2.5") DIVIDE VALUES IN TABLE BY 0.70.

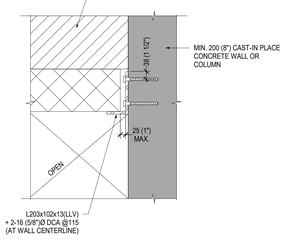
BAR SIZE	f'c = 25	f'c = 30	f'c = 35	f'c = 40	f'c = 50
10	150 (6")	150 (6")	150 (6")	150 (6")	150 (6")
15	210 (8")	200 (8")	180 (7")	170 (7")	150 (6")
20	280 (11")	260 (10")	240 (10")	230 (9")	200 (8")
25	350 (14")	320 (13")	300 (12")	280 (11")	250 (9")
30	420 (17")	390 (16")	360 (14")	340 (14")	300 (11")
35	490 (20")	450 (18")	420 (17")	390 (16")	350 (13")

TYPICAL MASONRY LINTELS IN NON-LOAD BEARING WALLS

MD-300
October 29, 2020

SEE SD-312 FOR STANDARD STEEL LINTELS

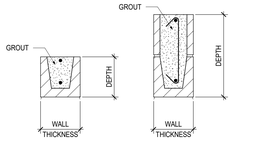




WALL THICKNESS	SPAN	BLOCK LINTEL DEPTH	REINFORCEMENT TOP & BOTTOM
90 (4")	UP TO 1200 (4'-0")	190	1-10
	1200 (4'-0") TO 1800 (6'-0")	N/A	N/A
	1800 (6'-0") TO 2400 (8'-0")	N/A	N/A
	2400 (8'-0") TO 3000 (10'-0")	N/A	N/A
140 (6")	UP TO 1200 (4'-0")	190	1-10
	1200 (4'-0") TO 1800 (6'-0")	190	1-10
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	N/A	N/A
190 (8")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP
240 (10")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP
290 (12")	UP TO 1200 (4'-0")	190	1-15
	1200 (4'-0") TO 1800 (6'-0")	190	1-15
	1800 (6'-0") TO 2400 (8'-0")	390	1-10 +1-10@200 (8") STIRRUP
	2400 (8'-0") TO 3000 (10'-0")	390	1-10 +1-10@200 (8") STIRRUP

NOTES:

1. DO NOT USE MASONRY LINTELS FOR OPENINGS WHERE MOVEMENT JOINT OR WALL END OR CORNER IS LOCATED LESS THAN 0.5 OF THE LINTEL SPAN AWAY FROM THE FACE OF THE OPENING.
2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
3. SEE PLANS FOR SPECIAL LINTELS.
4. FILL LINTEL BLOCKS WITH 20MPa GROUT. IT IS NOT ACCEPTABLE TO FILL LINTELS WITH MORTAR.



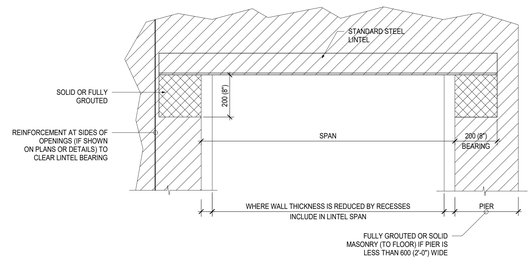
MASONRY LINTEL

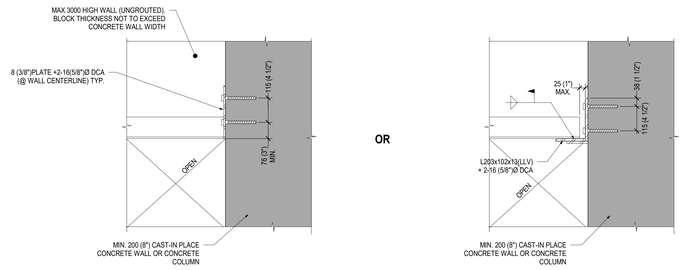
TYPICAL STEEL LINTELS IN NON LOAD BEARING MASONRY WALLS

SD-310
March 17, 2020

NOTES:

1. CONNECT BACK TO BACK DOUBLE ANGLES USING MIN. 16 (5/8")Ø BOLTS @ 450 (1'-6") MAX., OR BY WELDING @ TOP & BOTTOM USING 6mm (1/4") WELDS x 50 (2") LG. @ 450 (1'-6") MAX. LOCATE FIRST CONNECTION MAX. 75 (3") FROM END OF LINTEL.
2. PROVIDE STEEL PACKING AS REQUIRED TO ENSURE EVEN BEARING OF STEEL LINTELS.
3. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
4. SEE PLANS FOR SPECIAL LINTELS.



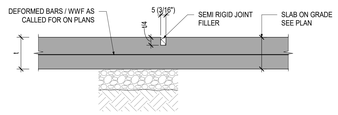


LINTEL SUPPORTED BY POURED CONCRETE WALL

WALL THICKNESS	SPAN	ANGLE SIZE	DETAIL
90 (4") VENEER	UP TO 1200 (4'-0")	L89x89x6.4	89
	1200 (4'-0") TO 1800 (6'-0")	L127x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	L127x89x6.4	
	2400 (8'-0") TO 3000 (10'-0")	L152x89x9.5	
140 (6")	UP TO 1200 (4'-0")	2- L64x64x6.4	64 64 100x10 (4"x3/8") STEEL PLATE
	1200 (4'-0") TO 1800 (6'-0")	2 - L89x64x6.4	
	1800 (6'-0") TO 2400 (8'-0")	2 - L89x64x7.9 W/ 100x10 PLATE	
	2400 (8'-0") TO 3000 (10'-0")	N/A	
190 (8")	UP TO 1200 (4'-0")	2 - L76x89x6.4	89 89
	1200 (4'-0") TO 1800 (6'-0")	2 - L89x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	2 - L102x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	2 - L152x89x7.9	
240 (10")	UP TO 1200 (4'-0")	2 - L76x102x6.4	102 102
	1200 (4'-0") TO 1800 (6'-0")	2 - L102x102x6.4	
	1800 (6'-0") TO 2400 (8'-0")	2 - L102x102x9.5	
	2400 (8'-0") TO 3000 (10'-0")	2 - L152x102x7.9	
290 (12")	UP TO 1200 (4'-0")	3 - L79x89x6.4	89 89 89
	1200 (4'-0") TO 1800 (6'-0")	3 - L89x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	3 - L102x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	3 - L127x89x7.9	

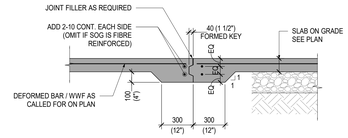
SAWCUT CONTROL JOINT IN SLAB ON GRADE

CD-100
October 19, 2020



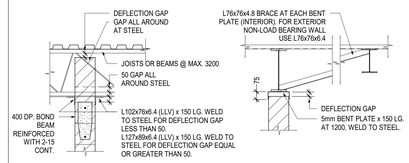
CONSTRUCTION JOINT IN SLAB ON GRADE

CD-101
October 19, 2020

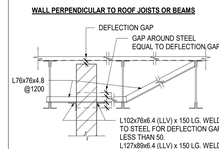


LATERAL SUPPORT OF NON-BEARING INTERIOR MASONRY PARTITIONS

PD-M-001
April 29, 2021

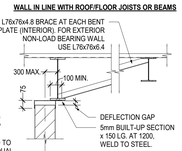


WALL PERPENDICULAR TO ROOF JOISTS OR BEAMS



WALL PARALLEL TO ROOF JOISTS OR BEAMS

WALL IN LINE WITH ROOF/FLOOR JOISTS OR BEAMS

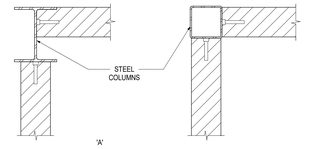


WALL OFFSET FROM ROOF/FLOOR JOISTS OR BEAMS

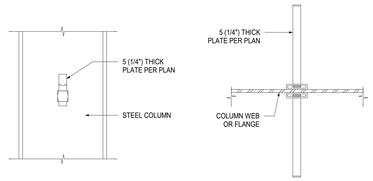
1. DCA TO BE HILTI KB-3 WITH 64 EMBEDMENT.
2. PROVIDE 30mm DEFLECTION GAP TYPICAL U/N.
3. MINIMUM WALL THICKNESS IS 140 FOR INTERIOR WALLS AND 190 FOR EXTERIOR WALLS. WALL HEIGHT SHALL NOT EXCEED 36 TIMES WALL THICKNESS FOR INTERIOR WALLS AND 20 TIMES WALL THICKNESS FOR EXTERIOR WALLS.
4. FOR CONCEALED LATERAL SUPPORT REFER TO ARCH SPEC. AND DRAWINGS.

ANCHORAGE OF ABUTTING LOAD BEARING MASONRY WALLS TO STEEL COLUMNS

SD-400
October 29, 2020



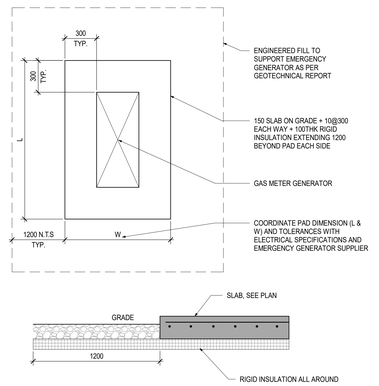
PLAN



SECTION 'A' **SECTION 'B'**

TYPICAL EXTERIOR PAD DETAIL

PD-010



Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON
L3V 0A8

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No.	Revisions	Date
7	ISSUED FOR TENDER	2026-11-12
6	ISSUED FOR PRE-TENDER REVIEW R1	2026-10-26
5	ISSUED FOR BIDS	2026-05-29
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3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS SET	2026-02-10
1	ISSUED FOR 30% PROGRESS SET	2025-12-16

No	Revision	Date

0 1000 2000 3000 4000 5000 6000 7000 8000

Scale 1:100 Unless Indicated Otherwise

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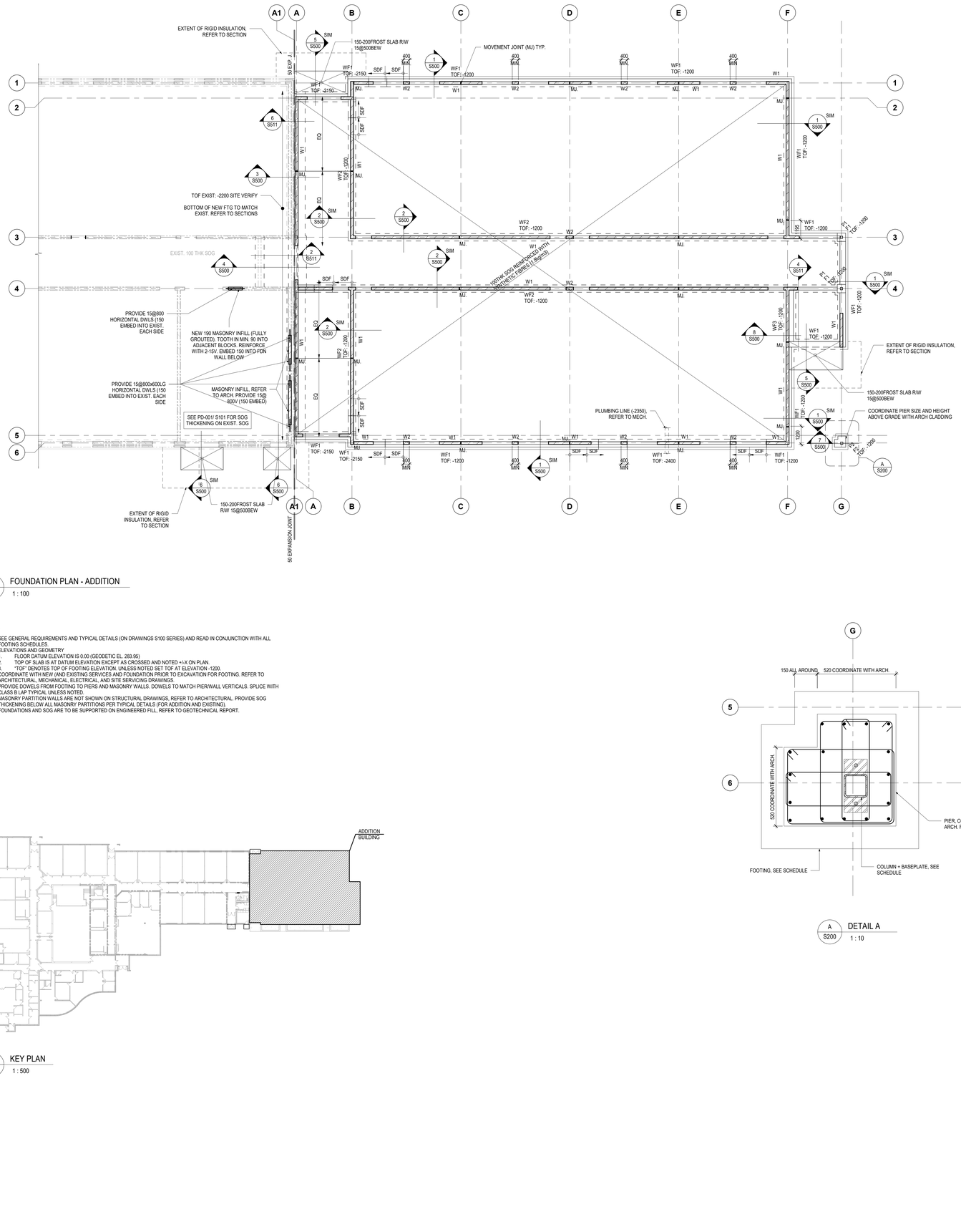
LICENSED PROFESSIONAL ENGINEER
2026-11-12
R.REGA
100560558
PROVINCE OF ONTARIO

Drawing Title:

TYPICAL DETAILS

Scale:	1 : 20	Date:	2026-10-26
Drawn by:	H.R.	Checked by:	I.B.
Job No.	**26210**	Drawing No.	S102

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1 / S200 FOUNDATION PLAN - ADDITION
1 : 100

NOTES:

1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS (ON DRAWINGS S100 SERIES) AND READ IN CONJUNCTION WITH ALL FOOTING SCHEDULES.
2. ELEVATIONS AND GEOMETRY
   1. FLOOR DATUM ELEVATION IS 0.00 (GEODETIC EL. 283.95)
   2. TOP OF SLAB IS AT DATUM ELEVATION EXCEPT AS CROSSED AND NOTED +/-X ON PLAN.
   3. "TOF" DENOTES TOP OF FOOTING ELEVATION. UNLESS NOTED SET TOF AT ELEVATION -1200.
3. COORDINATE WITH NEW (AND EXISTING SERVICES AND FOUNDATION PRIOR TO EXCAVATION FOR FOOTING. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND SITE SERVICING DRAWINGS.
4. PROVIDE DOWELS FROM FOOTING TO PIERS AND MASONRY WALLS. DOWELS TO MATCH PIER/WALL VERTICALS. SPLICE WITH CLASS B LAP TYPICAL UNLESS NOTED.
5. MASONRY PARTITION WALLS ARE NOT SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL. PROVIDE SOG THICKENING BELOW ALL MASONRY PARTITIONS PER TYPICAL DETAILS (FOR ADDITION AND EXISTING).
6. FOUNDATIONS AND SOG ARE TO BE SUPPORTED ON ENGINEERED FILL, REFER TO GEOTECHNICAL REPORT.

2 / S200 KEY PLAN
1 : 500

A / S200 DETAIL A
1 : 10

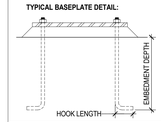
COLUMN SCHEDULE

U/S STL DECK AT Ex. LOW ROOF			COLUMN TO EXTEND TO TOP OF PARAPET, REFER TO ARCH.	U/S STL DECK AT Ex. LOW ROOF
3800	HSS152x152x7.9	HSS152x152x7.9	HSS152x152x9.5 (GALVANIZED)	3800
LEVEL 1	ULS BASE PL. -100			LEVEL 1
0				0
BASE PLATE SLS ULS Vf Mf TMf	BP1 34 44 +/- 15	BP2 31 42 +/- 15	BP2 (GALVANIZED) 53 71 +/- 15 +/- 15 +/- 15	
COLUMN LOCATION	G-3	G-4	G(25)-6	

BASEPLATE SCHEDULE

MARK	SIZE	ANCHORS	DETAILS
BP1	300x300x16 THK	2-19Ø ANCHOR RODS x300LG + 75 HOOK	300 / 300
BP2	152x352x16 THK	2-19Ø ANCHOR RODS x300LG + 75 HOOK	

TYPICAL BASEPLATE DETAIL:



STEEL COLUMN SCHEDULE LEGEND:

COLUMN TAG(S):

W360x60	COLUMN SECTION
COMMENTS	COLUMN-SPECIFIC COMMENTS (IF APPLICABLE)

BASE TAG:

BP1	BASE PLATE (REFER TO BASE PLATE SCHEDULE)
SLS P=1000 (600)	SLS (UNFACTORED) AXIAL REACTION (UPLIFT IN BRACKETS, IF APPLICABLE)
ULS P=1800 (800)	ULS (FACTORED) AXIAL REACTION (UPLIFT IN BRACKETS, IF APPLICABLE)
Vf=250 / 150	ULS (FACTORED) SHEAR REACTION(S), IF APPLICABLE (REFER TO NOTES)
Mf=150 / 120	ULS (FACTORED) BENDING MOMENT REACTION(S), IF APPLICABLE (REFER TO NOTES)
TMf=60	ULS (FACTORED) TORSIONAL MOMENT REACTION, IF APPLICABLE

STEEL COLUMN SYMBOL LEGEND

BASE CONNECTIONS:

BASE PLATE ⟶ ⊥

STEEL COLUMN SCHEDULE NOTES:

1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS ON S100 SERIES DRAWINGS.
2. ALL LOADS ARE ULTIMATE LIMIT STATE (ULS) UNLESS NOTED OTHERWISE.
3. PROVIDE 4-19Ø ANCHOR RODS (400 EMBEDMENT PLUS 75 HOOK) FOR EACH BASE PLATE, UNLESS OTHERWISE NOTED IN SCHEDULE.
4. COLUMN BASES TO BE GROUTED WITH 50mm OF GROUT. SEE SPECIFICATIONS.
5. HSS COLUMNS: BASE PLATE DIMENSION GIVEN FIRST TO BE IN NORTH-SOUTH DIRECTION.
6. PROVIDE LEVELLING SCREWS FOR BASE PLATES.
7. WELD BASE PLATES TO COLUMNS TO DEVELOP ANCHOR RODS.
8. PROVIDE CAP PLATES ON ALL HSS COLUMNS.

MASONRY WALL REINFORCEMENT SCHEDULE UNLESS NOTED OTHERWISE

TYPE	THICKNESS	REINFORCEMENT		COMMENTS
		VERTICAL	HORIZONTAL	
W1 / W1a	190	15 @ 1200	2-4.8 DIA. WIRES @400	FULLY GROUT W1a
W2	190	2-20V IN PIER	2-4.8 DIA. WIRES @400	FULLY GROUTED

NOTES:

1. TRIM OPENINGS IN MASONRY WALLS WITH 1-15V EACH SIDE OPENING.
2. ADD 1-15V AT ENDS OF WALLS.
3. ADD 1-15V ON EACH SIDE OF A MOVEMENT JOINT (MJ)
4. ALL WALLS TO BE W1 UNLESS NOTED OTHERWISE.

CONCRETE PIER SCHEDULE

MARK	SIZE (mm)	REINFORCING	
		VERTICAL	TIES
P1	550x550	8-15	10@300
P2	SEE PLAN DETAIL	SEE PLAN DETAIL	SEE PLAN DETAIL

SPREAD FOOTING SCHEDULE

MARK	SIZE (mm)	REINFORCING	CAPACITY (kN)	
			SLS	ULS
F1	850x850x250	3-15BEW (HH)	55	75
F2	SEE PLAN DETAIL	15@300BEW (HH)	55	75

STRIP FOOTING SCHEDULE

MARK	SIZE (mm)		REINFORCING
	WIDTH	DEPTH	
WF1	680	250	2-15 CONT.
WF2	490	250	2-15 CONT.
WF3	780	250	2-15 CONT.

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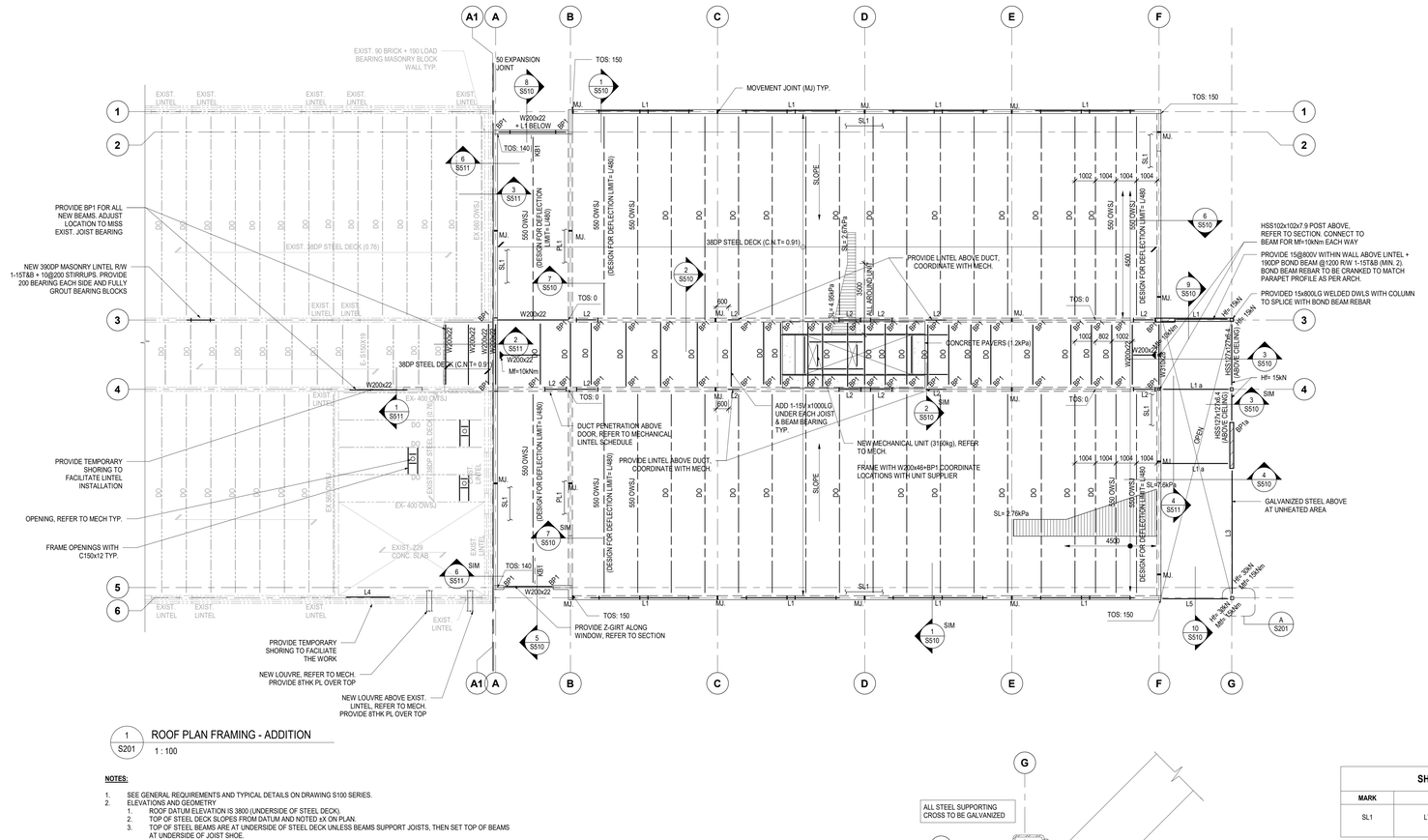
LICENSED PROFESSIONAL ENGINEER — 2026-11-12 — R.REGA — 100560558 — PROVINCE OF ONTARIO

Drawing Title:

FOUNDATION PLAN - ADDITION

Scale: As indicated | Date: 2026-10-26
Drawn by: H.R./A.K. | Checked by: I.B.
Job No. **26210** | Drawing No. S200

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1 S201 ROOF PLAN FRAMING - ADDITION
1 : 100

NOTES:

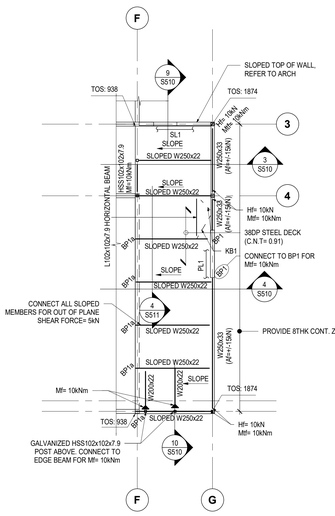
1. SEE GENERAL REQUIREMENTS AND TYPICAL DETAILS ON DRAWING S100 SERIES.
2. ELEVATIONS AND GEOMETRY
   1. ROOF DATUM ELEVATION IS 3800 (UNDERSIDE OF STEEL DECK).
   2. TOP OF STEEL DECK SLOPES FROM DATUM AND NOTED ±X ON PLAN.
   3. TOP OF STEEL BEAMS ARE AT UNDERSIDE OF STEEL DECK UNLESS BEAMS SUPPORT JOISTS, THEN SET TOP OF BEAMS AT UNDERSIDE OF JOIST SHOE.
   4. TRIM ALL SIDES OF FRAMED OPENINGS IN ROOF WITH C150x12 UNO. COORDINATE WITH OPENINGS BY OTHER TRADES.
   5. PROVIDE CONTINUOUS SHAPED BENT PLATES AS REQUIRED TO SUPPORT SLOPING DECK AT LOCATIONS SUCH AS CRANKS, RIDGES, VALLEY etc.
3. DESIGN LOADING
   1. SNOW: 2.6kPa. SNOW PILING IS SHOWN ON PLAN
   2. DESIGN RAIN LOAD IS SHOWN ON PLAN IF HIGHER THAN SNOW LOAD.
   3. MAXIMUM FACTORED WIND UPLIFT: 1.5kPa
   4. SUPERIMPOSED DEAD LOAD IS 1kPa
   5. FACTORED SHEAR FOR DIAPHRAGM ACTION IS 8 kN/m UNLESS OTHERWISE NOTED ON PLAN. THIS FORCE CORRESPONDS TO Rd/Ro= 1.0
   6. SEE PLANS INCLUDING MECHANICAL DRAWINGS FOR ADDITIONAL POINT LOADS.
4. FRAMING
   1. REFER TO DRAWING S300 FOR SCHEDULES.
   2. DESIGN STEEL JOISTS, FOR DL= 1.1kPa AND LL= SNOW OR RAIN UNLESS OTHERWISE NOTED.
   3. DESIGN STEEL DECK, JOISTS AND BRIDGING FOR WIND UPLIFT LOADS SHOWN ON S110.
   4. DESIGN JOIST TOP AND BOTTOM CHORDS FOR 1.0 kN POINT LOAD APPLIED ANYWHERE ALONG THEIR LENGTH IN ADDITION TO ANY POINT LOADS INDICATED ON PLAN.
   5. WHEN A JOIST IS CONNECTED AT AN INTERSECTION WITH A COLUMN, JOIST TOP CHORDS ARE ASSUMED TO BRACE COLUMNS. CONNECT FOR TOP CHORD AXIAL FORCE OF 25kN UNLESS OTHERWISE SPECIFIED.
   6. COORDINATE WITH MECHANICAL DRAWINGS FOR EQUIPMENT WEIGHT AND LOCATIONS FOR JOIST DESIGN.
   7. UNLESS OTHERWISE NOTED, PROVIDE ALL ROOF BEAMS AND JOISTS WITH 2-19Ø x 600 LONG ANCHOR RODS AT EACH WALL BEARING.
   8. DESIGN JOIST SHOES FOR Hf= 10kN (ROLLOVER FORCE).
   9. ALL MECHANICAL OPENINGS IN LOAD BEARING WALLS TO BE 300 CLEAR OF BEAM/JOIST BEARING PLATES.

A S201 DETAIL A
1 : 10

5 S201 PHOTO
1 : 50

4 S201 KEY PLAN
1 : 500

3 S201 NEW UNIT PLAN FRAMING
1 : 100



2 S201 HIGH ROOF FRAMING - ADDITION
1 : 100

NOTES:

1. ELEVATIONS NOTED ARE THE UNDERSIDE OF STEEL DECK,+/- FROM ROOF DATUM.

SHELF ANGLE AND PLATE SCHEDULE

MARK	SIZE	ANCHORAGE
SL1	L76x76x6.4	19DIAM. HILTI KWIK BOLT @600 (120 EFFECTIVE EMBED)

NOTES:

1. ANCHORS TO BE MIN. 75 AWAY FROM BLOCK HEAD JOINT

TOP OF WALL PLATE SCHEDULE

MARK	SIZE	ANCHORAGE
PL1	CONT. 100x6THK	16DIAM. ANCHOR RODSx300LG @600TYP

NOTES:

1. CONNECT DECK TO PL1 FOR DIAPHRAGM SHEAR FORCE NOTED ON PLAN NOTES

KICKER SCHEDULE

MARK	SIZE	REMARKS
KB1	L102x102x7.9	Af= +/-20kN

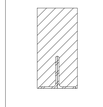
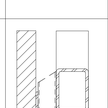
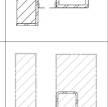
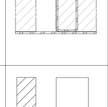
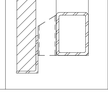
MECHANICAL LINTEL SCHEDULE

MARK	WALL THICKNESS	CLEAR SPAN	SIZE
ML1	190	300-550	175x8 PL
ML2	190	550-1200	2-L152x89x7.9

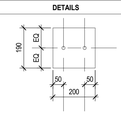
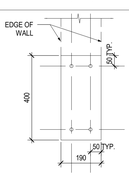
NOTES:

1. MECHANICAL PENETRATIONS ARE NOT SHOWN ON STRUCTURAL. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE QUANTITY AND LOCATIONS OF MECHANICAL LINTELS WITH MECHANICAL DRAWINGS
2. FOR SPANS LESS THAN 300, NO LINTEL IS REQUIRED.

LINTEL SCHEDULE

MARK	SIZE	DETAIL	COMMENTS
L1/L1a	HSS203x102x7.9 + 10THK BOTTOM PL + HSS76x76x6.4 SPACER @600 (MIN. 3) + L127x102x6.4 LLV (ANGLE TO NOT EXTEND PAST WINDOW)		PROVIDE BP1a AT LINTEL BEARING (INCLUDING INTERMEDIATE PIER) DO NOT PROVIDE SPACER & ANGLE AT L1a.
L2	2-L152x89x7.9		200 BEARING. GROUT SOLID BEARING BLOCKS. CONNECT DOUBLE ANGLES PER SD-310/S102
L3	HSS203x152x13 + HSS76x76x6.4 SPACER @600 (MIN. 3) + L178x102x9.5 (LLV) (ANGLE TO NOT EXTEND PAST WINDOW)		PROVIDE BP2 AT LINTEL BEARING
L4	HSS203x102x7.9 + 10THK CONT. BOTTOM PL		PROVIDE BP1 AT LINTEL BEARING
L5	HSS203x102x7.9 + 10THK BOTTOM PL + HSS76x76x6.4 SPACER @600 (MIN.3) + L178x102x9.5 (LLV) (ANGLE TO NOT EXTEND PAST WINDOW)		PROVIDE BP2 AT LINTEL BEARING

BEARING PLATE SCHEDULE

MARK	SIZE	ANCHORS	DETAILS	COMMENTS
BP1/BP1a	190x12x200	2-19Ø WELDED ANCHORS x 600LG		450LG ANCHORS AT BP1a
BP2	190x25x400 + 400x800DP CONC. PAD	4-19Ø WELDED ANCHORS x 600LG		

NOTES:

1. BEARING PLATES TO BE 300 CLEAR OF ANY MOVEMENT JOINT.
2. BEAMS/JOISTS TO BE WELDED TO BEARING PLATES FOR WIND UPLIFT PRESSURES NOTED.
3. GROUT SOLID COURSES WITH ANCHORS (MINIMUM 2 COURSES BELOW BEARING PLATES).
4. PROVIDE BP1 UNLESS NOTED OTHERWISE.

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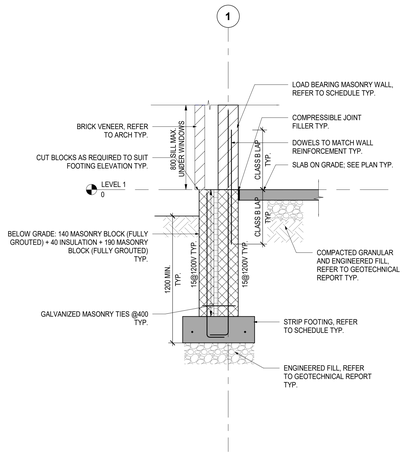
LICENSED PROFESSIONAL ENGINEER 2026-11-12 R.REGA 100569554 PROVINCE OF ONTARIO

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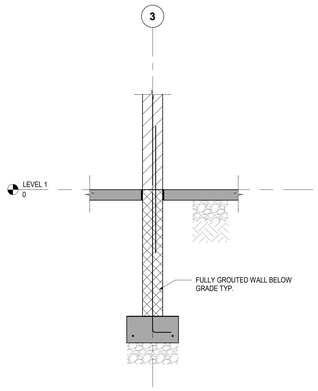
ROOF PLAN FRAMING-ADDITION

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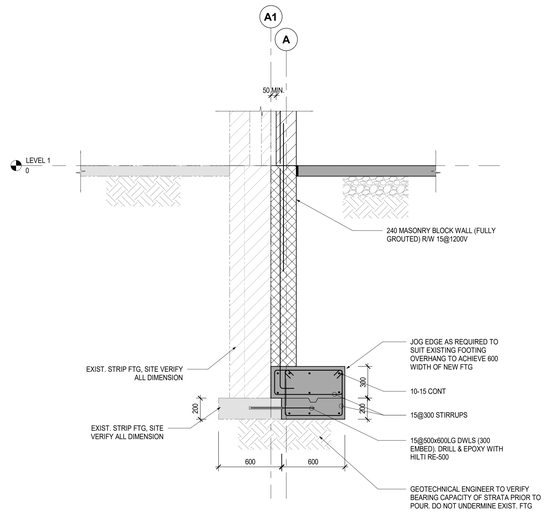
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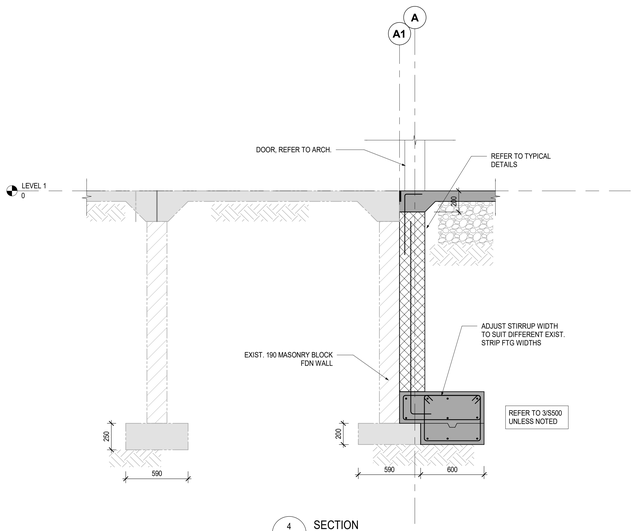
1 S500 TYPICAL EXTERIOR FOUNDATION SECTION
1 : 20



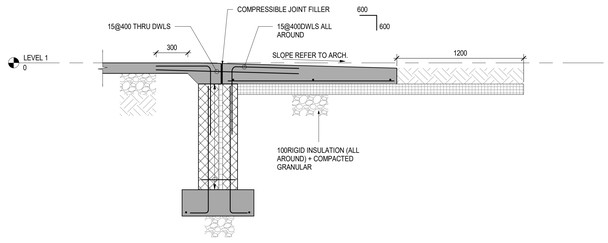
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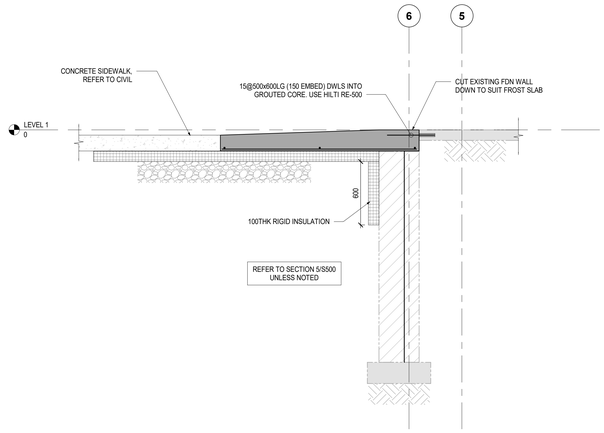
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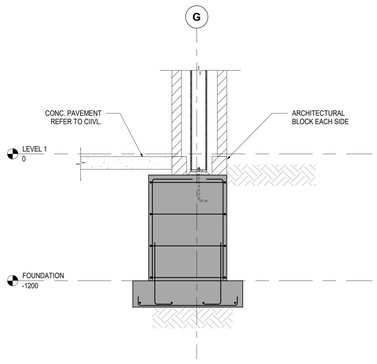
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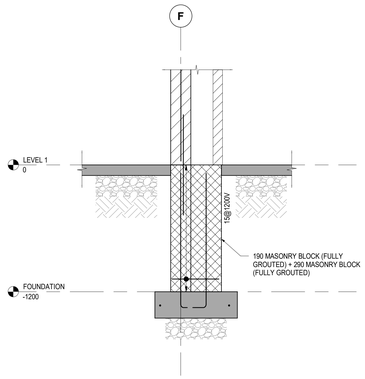
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No.	Revisions	Date
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6	ISSUED FOR PRE-TENDER REVIEW R1	2026-10-26
5	ISSUED FOR BIDS	2026-05-29
4	ISSUED FOR PRE-TENDER	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS SET	2026-02-10
1	ISSUED FOR 30% PROGRESS SET	2025-12-16
No	Revision	Date

0 1000 2000 3000 4000 5000 6000 7000 8000
Scale 1:100 Unless Indicated Otherwise

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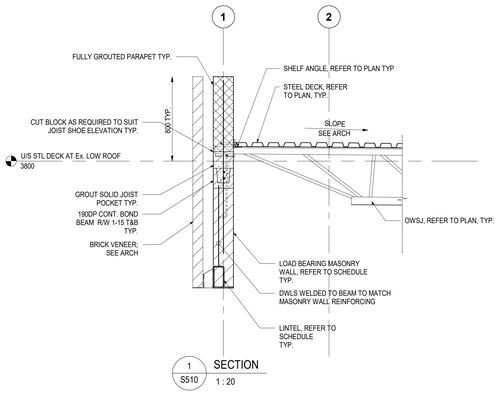
LICENSED PROFESSIONAL ENGINEER
2026-11-12
R.REGA
100054
PROVINCE OF ONTARIO

Drawing Title:

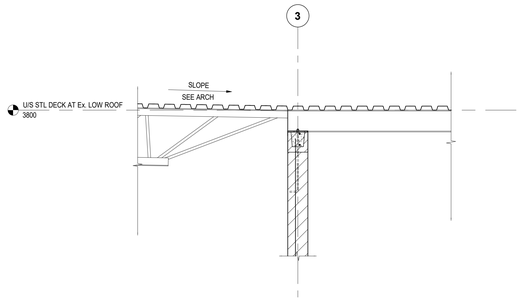
FOUNDATION SECTIONS

Scale:	1 : 20	Date:	2026-10-26
Drawn by:	H.R.	Checked by:	I.B.
Job No.	**26210**	Drawing No.	S500

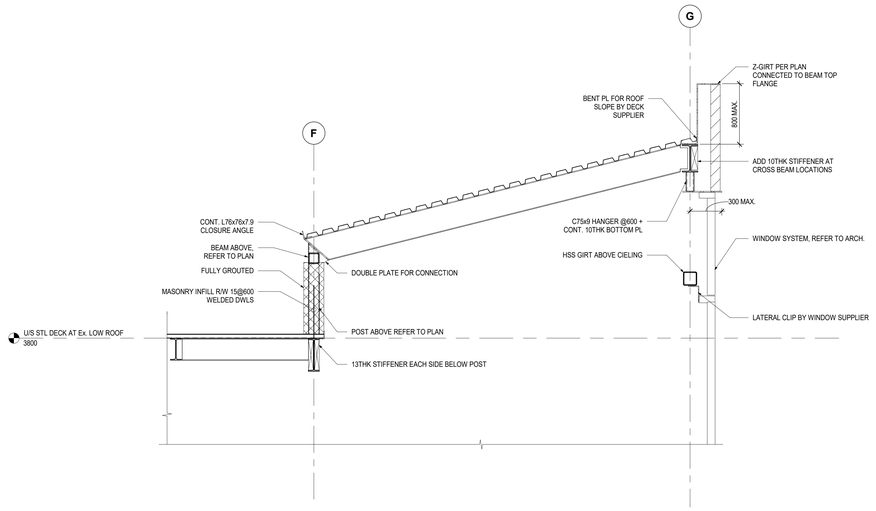
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1 S510 SECTION 1 : 20



2 S510 SECTION 1 : 20



3 S510 SECTION 1 : 20

4 S510 SECTION 1 : 20

5 S510 SECTION 1 : 20

6 S510 SECTION 1 : 20

7 S510 SECTION 1 : 20

8 S510 SECTION 1 : 20

9 S510 SECTION 1 : 20

10 S510 SECTION 1 : 20

Simcoe Muskoka Catholic District School Board

Notre Dame Catholic School, Renovation & Addition
140 Atlantis Dr, Orillia, ON
L3V 0A8

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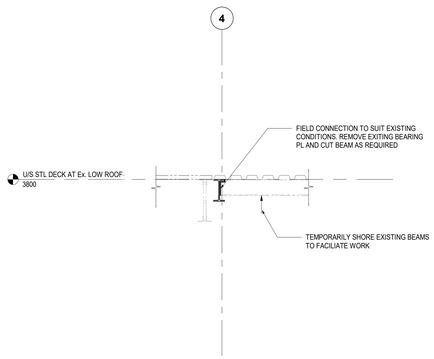
LICENSED PROFESSIONAL ENGINEER 2026-11-12 R.REGA 100094447 PROVINCE OF ONTARIO

Drawing Title:

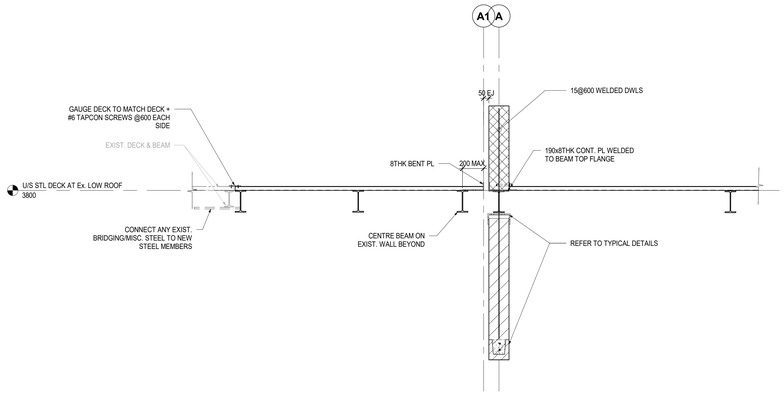
ROOF SECTIONS

Scale: 1 : 20	Date: 2026-10-26
Drawn by: H.R.	Checked by: I.B.
Job No. **26210**	Drawing No. S510

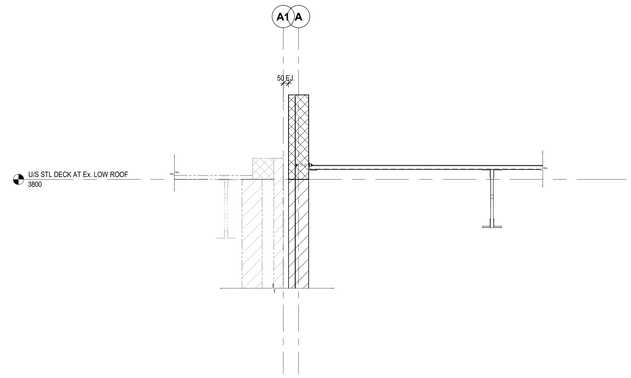
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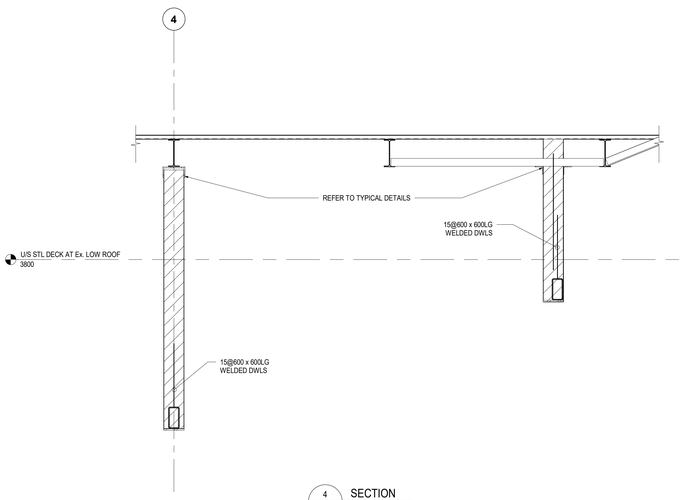
1 S511 SECTION 1 : 20



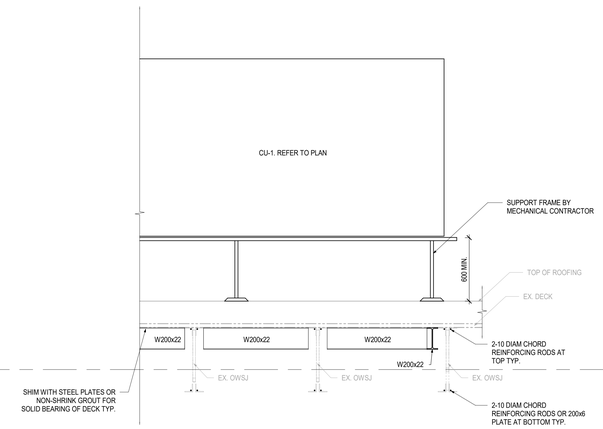
2 S511 SECTION 1 : 20



3 S511 SECTION 1 : 20



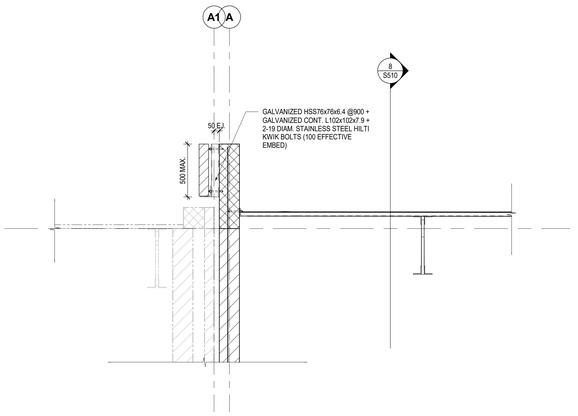
4 S511 SECTION 1 : 20



NOTES:

1. T&B CHORD REINFORCING TO BE WELDED TO EXISTING JOISTS TO DEVELOP FULL SECTION CAPACITY. WELD SPACING NOT TO EXCEED 300. PROVIDE 200LG WELDS AT ENDS OF CHORD REINFORCING MINIMUM.
2. ALLOW FOR NOTCHING OF EXISTING WEB MEMBERS TO FACILITATE CHORD REINFORCING & WELD REINFORCEMENT AS SHOWN IN PHOTO 1.
3. ALLOW FOR LOCAL REMOVAL OF NON-LOAD BEARING MASONRY BLOCK WALL TO FACILITATE THE WORK AS SHOWN IN PHOTO 1.
4. ALLOW FOR TEMPORARY REMOVAL AND REINSTATEMENT OF ALL M/E/P SERVICES IN WORK AREA TO FACILIATE THE WORK. REFER TO ARCH/MECH/ELEC DWGS AND PHOTO 2 & 3.

5 S511 CU-1 SUPPORT FRAME SECTION 1 : 20



6 S511 SECTION 1 : 20



7 S511 PHOTO 1 1 : 50



8 S511 PHOTO 2 1 : 50



9 S511 PHOTO 3 1 : 50

Simcoe Muskoka Catholic District School Board

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LICENCED PROFESSIONAL ENGINEER 2026-11-12 R. REGAN 100560556 PROVINCE OF ONTARIO

Drawing Title:

ROOF SECTIONS

Scale:	As indicated	Date:	2026-10-26
Drawn by:	H.R.	Checked by:	I.B.
Job No.	**26210**	Drawing No.	S511

PRINTED 2026-11-13 9:17:50 AM

MECHANICAL DRAWING LIST

DRAWING NO.	DRAWING NAME
M001	MECHANICAL DRAWING LIST, LEGEND & KEY PLAN
M101	DEMO - FIRST FLOOR PART PLAN - PLUMBING
M111	DEMO - FIRST FLOOR PLAN - HVAC
M112	DEMO - ROOF AND PENTHOUSE PART PLAN - HVAC
M121	DEMO - FIRST FLOOR PART PLAN - HVAC PIPING
M122	DEMO - ROOF AND PENTHOUSE PART PLAN - HVAC PIPING
M200	NEW - ADDITION UNDERGROUND PART PLAN - PLUMBING
M201	NEW - EXIST. BUILDING FIRST FLOOR PART PLAN - PLUMBING
M202	NEW - ADDITION FIRST FLOOR PART PLAN - PLUMBING
M203	NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - PLUMBING
M204	NEW - ADDITION ROOF PART PLAN - PLUMBING
M301	NEW - EXIST. BUILDING FIRST FLOOR PART PLAN - HVAC
M302	NEW - ADDITION FIRST FLOOR PART PLAN - HVAC
M303	NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - HVAC
M304	NEW - ADDITION ROOF PART PLAN - HVAC
M401	NEW - EXIST. BUILDING FIRST FLOOR PART PLAN - HVAC PIPING
M402	NEW - ADDITION FIRST FLOOR PART PLAN - HVAC PIPING
M403	NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - HVAC PIPING
M600	MECHANICAL FLOW DIAGRAMS
M700	CONTROL DIAGRAMS #1
M800	MECHANICAL DETAILS #1
M801	MECHANICAL DETAILS #2
M802	MECHANICAL DETAILS #3
M803	ROOFTOP UNIT DETAILS
M900	MECHANICAL SCHEDULES #1

GENERAL NOTES

1. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO VERIFY EXISTING CONDITIONS AND TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS INDICATED ON THE DRAWINGS. CONTRACTOR TO INCLUDE FOR ALL COSTS ASSOCIATED TO FACILITATE INSTALLATION. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE ENGINEERS OF ANY DISCREPANCIES, OMMISSIONS, AND INTERFERENCES.
2. ENSURE THAT ALL NEW AND EXISTING EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW OR EXISTING SERVICES. PROVIDE ACCESS DOORS/PANELS TO MATCH BASE BUILDING STANDARDS WHERE REQUIRED.
3. PROVIDE ALL REQUIRED SCANNING, CORING/CUTTING AND PATCHING TO PERFORM THE SCOPE OF WORK AS OUTLINED IN THE DRAWINGS.
4. CONTRACTOR IS TO BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL PIPING, DUCTWORK AND EQUIPMENT, AS SHOWN ON THE DEMOLITION PLAN.
5. INSULATE ALL NEW PIPING, DUCTWORK AND ANY EXISTING PIPING AND DUCTWORK WHERE INSULATION HAS BEEN REMOVED OR DAMAGED BY THIS WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENT.
6. WHERE CONNECTING TO EXISTING SERVICES, CONTRACTOR TO MATCH ALL EXISTING PIPE/DUCT SIZES AND PROVIDE TRANSITIONS WHERE REQUIRED.
7. NOT ALL EQUIPMENT CONNECTIONS ARE SHOWN. REFER TO MANUFACTURERS LITERATURE FOR ALL PIPING AND DUCTWORK CONNECTIONS.
8. NEW DIGITAL/ELECTRONIC CONTROLS TO BE COMPATIBLE WITH EXISTING BAS ON SITE.
9. CONTRACTOR TO FLUSH AND CLEAN ALL NEW WORK THOROUGHLY TO WHERE THE SYSTEMS CAN BE ISOLATED FOR THIS WORK AS PER THE SPECIFICATIONS PRIOR TO TIE IN TO THE EXISTING WORK/EQUIPMENT.
10. ALL HEATING PIPING TO AND INCLUDING 50MMØ (2"Ø) SHALL BE SCREWED. PIPING 65MMØ (2.5"Ø) AND OVER SHALL BE WELDED. REFER TO SPECIFICATIONS FOR DETAILS.
11. PROVIDE PIPE FREEZING WHEN REPLACING VALVES AND CONNECTING NEW PIPING TO EXISTING DOMESTIC WATER AND HEATING WATER PIPING SYSTEMS.
12. SUPPLY AND INSTALLATION OF ELECTRICAL CONDUITS FOR MECHANICAL EQUIPMENT SHALL BE BY ELECTRICAL DIVISION AND CONSISTENT WITH ELECTRICAL SPECIFICATIONS.
13. COORDINATE ALL TEMPORARY SHUT DOWNS WITH THE SCHOOL BOARD. PROVIDE ISOLATION VALVES AS REQUIRED.
14. SURVEY ALL AFFILIATED WORK AREAS AND REPORT ANOMALIES AND DISCREPANCIES TO CONSULTANT.
15. ALL DOMESTIC WATER PIPING, HEATING PIPING AND FITTINGS SHALL BE INSULATED. IN ADDITION, ALL EXPOSED PIPING AND FITTINGS SHALL BE PROVIDED WITH PVC INSULATING COVERS.

CONTROLS

SYMBOL	DESCRIPTION
	FAN
	GRILLE (SUPPLY / RETURN / EXHAUST)
	FILTER BANK WITH DIFFERENTIAL PRESSURE SENSOR
HWS HEATING / CWS COOLING	HEATING COIL / COOLING COIL: HOT WATER - HWS/HWR GLYCOL HEATING - GHS/GHR CHILLED WATER - CHS/CHR
M / MD	MOTORIZED DAMPER
	CONTROL VALVE (2-WAY & 3-WAY)
T-1 (AI) H-1 (AI) CO2-1 (AI)	SENSORS (AIR OR WATER) (TEMPERATURE / HUMIDITY / CARBON DIOXIDE)
FLOW SWITCH (XX)	FLOW SWITCH (AIR OR WATER)
	CONTROL WIRING
(AI)	ANALOG INPUT
(AO)	ANALOG OUTPUT
(DI)	DIGITAL INPUT
(DO)	DIGITAL OUTPUT
EA	EXHAUST AIR
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR

TAGS

SYMBOL	DESCRIPTION
TAG-1	EQUIPMENT TAG
	AIRFLOW DIRECTION
CTE	CONNECT TO EXISTING
OED	OPEN ENDED DUCT
(###)	FLOW IN L/S
[###]	FLOW IN CFM

DIFFUSER TAG

QUANTITY — NECK / FACE SIZE — 2 A 8"Ø [200] — DIFFUSER TYPE — AIRFLOW

VAV BOX TAG

MIN AIRFLOW — VAV [400] 8 [600] — VAV [400] 8 [600] 5.0 — VAV SIZE — MAX AIRFLOW — HEATING (MBH)

WALLFIN HEATER TAG

ACTIVE LENGTH (MM) — WATER FLOW (L/S) — WF 1000 A 1.1 KW 0.02 — WALLFIN TYPE — HEATING CAPACITY (KW)

RADIANT CEILING PANEL TAG

ACTIVE LENGTH (MM) — WATER FLOW (L/S) — RP 1000 A 1.1 KW 0.02 — RADIANT PANEL TYPE — HEATING CAPACITY (KW)

DUCTWORK

TYPE: (S)UPPLY (R)ETURN (E)XAUSTION S - 14"x14" [1000] — HEIGHT — WIDTH — AIRFLOW *IF APPLICABLE

MECHANICAL PIPING

SYMBOL	DESCRIPTION
	PIPE DOWN
	PIPE UP
	PIPE UP & DOWN
	VALVE
	BALANCING VALVE
	CHECK VALVE
	STRAINER
	LOCK-SHEILD VALVE
	PRESSURE REDUCING VALVE
	ELECTRONIC CONTROL VALVE (2-WAY & 3-WAY)
	PNEUMATIC CONTROL VALVE (2-WAY & 3-WAY)
	3-WAY VALVE (MANUAL)
	PIPE CONTINUATION
CD	CONDENSATE DRAINAGE PIPING
G	NATURAL GAS PIPING
	FLOW DIRECTION
RL / RG	REFRIGERANT LIQUID AND GAS PIPING
	PUMP
CAP	CAPPED PIPE
	PRESSURE GAUGE
	THERMOMETER
	PRESSURE RELIEF VALVE

PLUMBING AND DRAINAGE

SYMBOL	DESCRIPTION
	P-TRAP
CO CO	CLEAN OUT (FLOOR & CEILING)
FD	ROUND FLOOR DRAIN
FD	SQUARE FLOOR DRAIN
SD	SHOWER DRAIN
HD	HUB DRAIN
	PIPE WYE CONNECTION
	PIPE 45° CONNECTION
	PIPE ELBOW
	PIPE TEE
	DOMESTIC COLD WATER (DCW) PIPING
	DOMESTIC HOT WATER (DHW) PIPING
SAN	SANITARY DRAINAGE (SAN) PIPING
ST	STORM DRAINAGE (ST) PIPING
	VENT PIPING
	DOMESTIC HOT WATER RECIRC. (DHWR) PIPING

FIRE PROTECTION

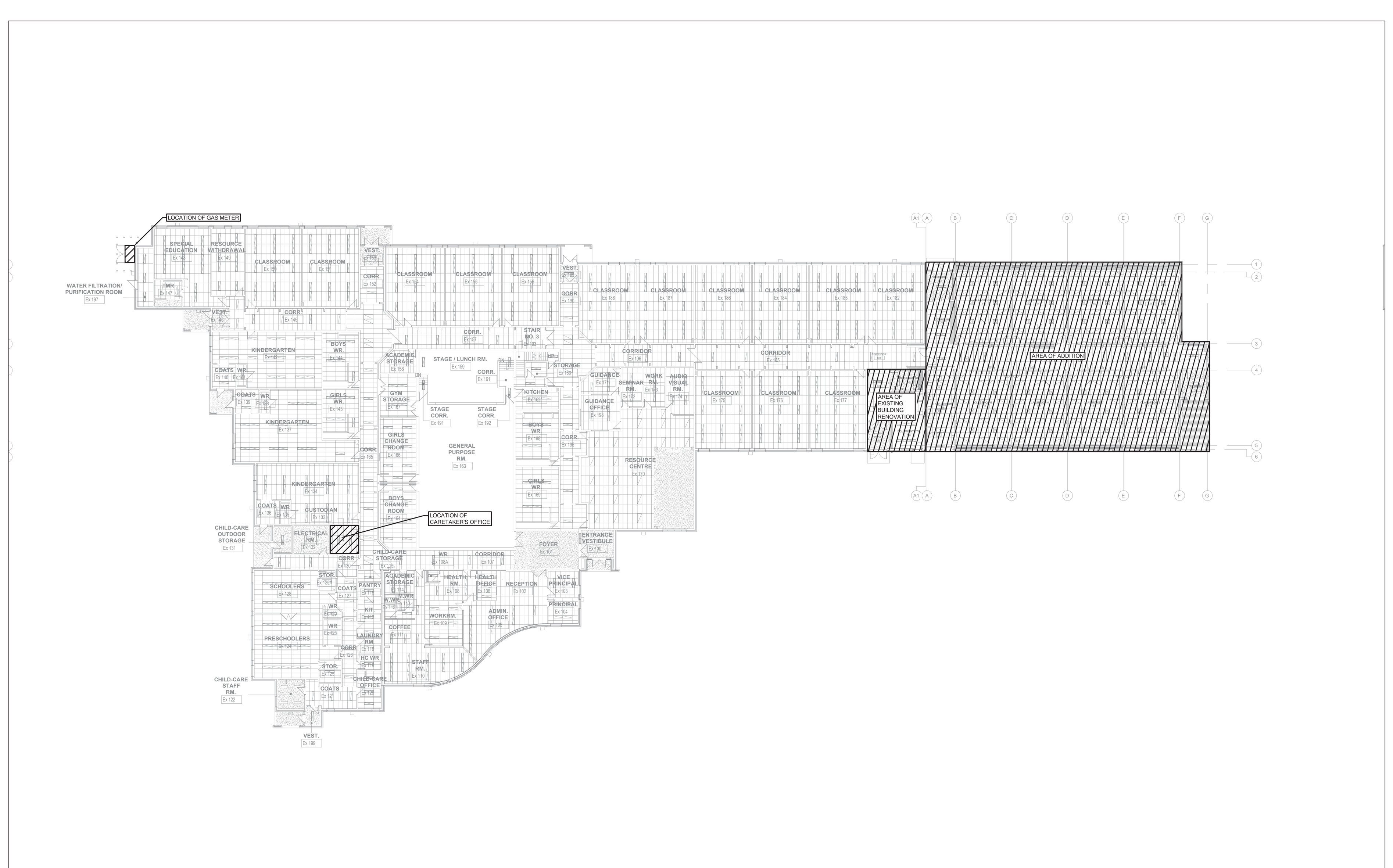
SYMBOL	DESCRIPTION
F	FIRE EXTINGUISHER C/W WALL BRACKET
FEC	RECESSED FIRE EXTINGUISHER CABINET

DUCTWORK

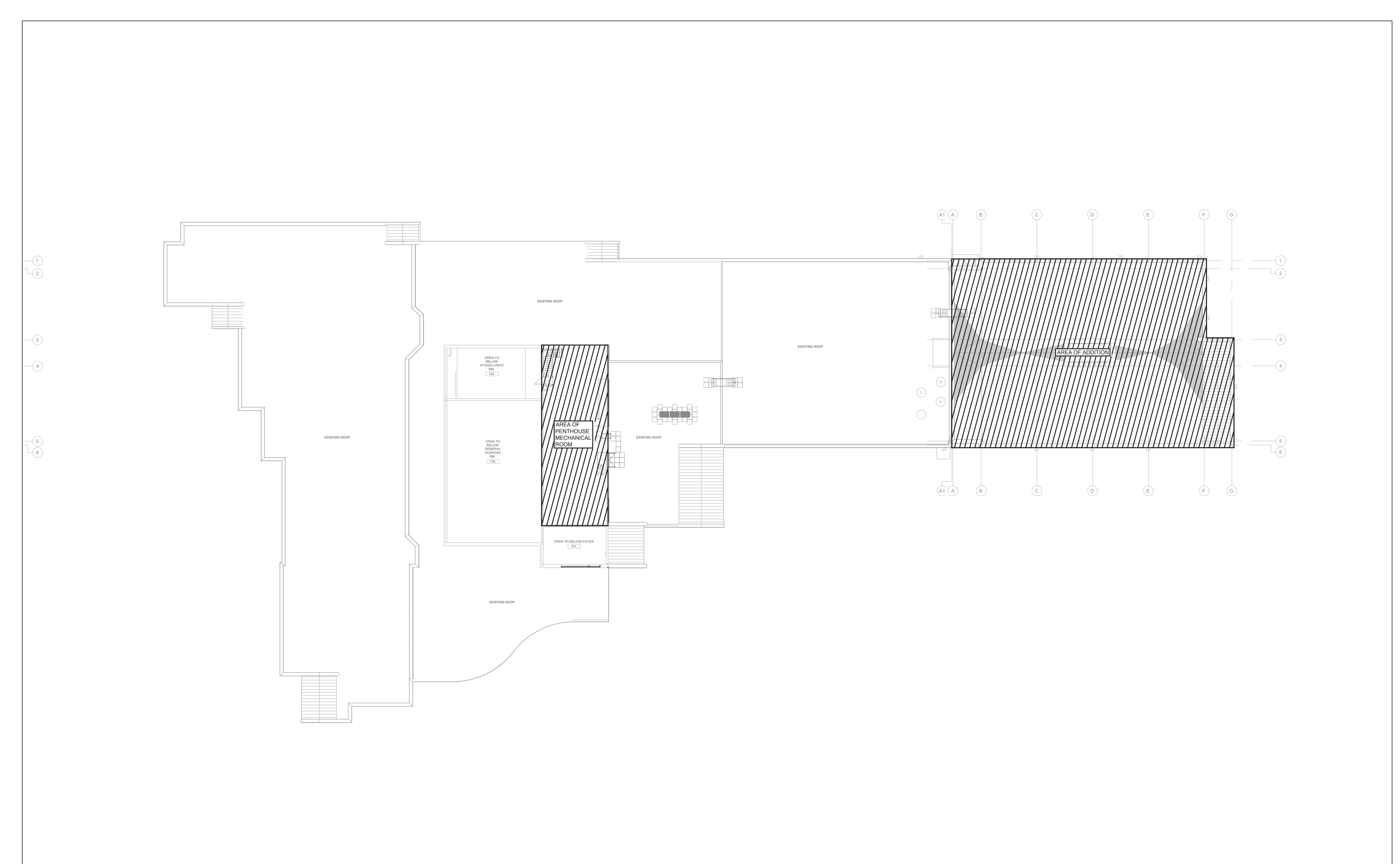
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT UP & DOWN
	RETURN / EXHAUST AIR DUCT UP & DOWN
	ROUND DUCT UP & DOWN
	SQUARE ELBOW WITH TURNING VANES
	DUCTWORK FLEXIBLE CONNECTION
	1" THICK ACOUSTICALLY LINED DUCTWORK
	EXTERNALLY INSULATED DUCTWORK (REFER TO SPECIFICATIONS FOR THICKNESS)
	DUCT CONTINUATION (ROUND & RECTANGULAR)
FD	FIRE DAMPER
SD	SMOKE DAMPER
SFD	COMBINATION SMOKE-FIRE DAMPER
	SUPPLY AIR DIFFUSER C/W FLEX DUCT & SPIN ON CONNECTION WITH BALANCING DAMPER
	ROUND CONE DIFFUSER
	LINEAR SLOT DIFFUSER
	SUPPLY / RETURN GRILLE
	DUCTED RETURN / EXHAUST GRILLE
	CEILING RETURN GRILLE - EGG CRATE
F	TOILET EXHAUST FAN
	ROOF MOUNTED MUSHROOM FAN
	FLOOR GRILLE
	FLOOR BOOT
T	THERMOSTAT
T	TEMPERATURE SENSOR
co2	CARBON DIOXIDE (CO_2) SENSOR
T CO2	COMBINED TEMPERATURE & CARBON DIOXIDE (CO_2) SENSOR
TH CO2	COMBINED TEMPERATURE, HUMIDITY, & CARBON DIOXIDE (CO_2) SENSOR
H	HUMIDITY SENSOR
S	SWITCH
OS	OCCUPANCY SENSOR
	CO / NOX SENSOR
	CONTROL WIRING
	UNIT HEATER
	VAV BOX
	WALL FIN HEATER

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
E	EXISTING TO REMAIN
D	DEMOLISH. REMOVE AND DISPOSE OF EQUIPMENT, DUCTWORK, SERVICES, ETC.
R	RELOCATE ITEM
	EXISTING TO REMAIN
	DEMOLISH OR RELOCATE
	NEW



1 FIRST FLOOR KEY PLAN - MECHANICAL
Scale: 1:400



2 ROOF AND PENTHOUSE KEY PLAN - MECHANICAL
Scale: 1:400

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Key Plan N.T.S.

Project North — True North

No.	Revisions	Date

No.	Issue	Date
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Drawing Title:
MECHANICAL DRAWING LIST, LEGEND & KEY PLAN

Scale:	AS NOTED	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M001

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

CLASSROOM Ex 156
VEST. Ex 189
CORR. Ex 190
CLASSROOM Ex 188
CLASSROOM Ex 187
CLASSROOM Ex 186
CLASSROOM Ex 184
CLASSROOM Ex 183
CLASSROOM Ex 182
STR. NO. 3 Ex 193
UP
STG. RM. Ex 160
CORRIDOR Ex 196
CORR. Ex 185
GUIDANCE Ex 171
SEMINAR RM. Ex 172
WORK RM. Ex 173
AUDIO VISUAL RM. Ex 174
KITCHEN Ex 162
GUIDANCE OFFICE Ex 198
CLASSROOM Ex 175
CLASSROOM Ex 176
CLASSROOM Ex 177
JAN. CL. Ex 180A
ACADEMIC STG. Ex 180
OUTDOOR STG. Ex 179
EQUIPMENT STG. Ex 178
BOYS RM. Ex 168
CORR. Ex 195
GIRLS RM. Ex 169
RESOURCE CENTRE Ex 170

EXISTING 20 DWHR, 12 DCW, AND 12 DHW PIPING TO BE TEMPORARILY REMOVED AND REINSTALLED C/W INSULATION AS NEEDED TO ALLOW FOR STRUCTURAL REINFORCING. CONTRACTOR TO CONFIRM EXTENT OF REPLACEMENT REQUIRED ON SITE. INCLUDE FOR ALL PIPE FREEZING OR DRAINING OF SYSTEM REQUIRED.

EXISTING MOP SINK AND EYEWASH TO BE REMOVED.

EXISTING WASHING MACHINE TO BE REMOVED AND RE-INSTALLED AS A PART OF NEW WORK. REFER TO ARCHITECTURAL DRAWINGS.

CUT BACK EXISTING DCW/DHW PIPING TO JANITOR CLOSET FIXTURES AND WASHING MACHINE AND CAP AT MAIN IN CORRIDOR. REMOVE ALL PIPING AND DRAINAGE FROM EXISTING MOP SINK, EYEWASH, AND WASHING MACHINE. CUT BACK ASSOCIATED SANITARY AND CAP BELOW GRADE. CUT BACK ALL VENT PIPING TO FIXTURES AND CAP AT TERMINATION POINT

EXISTING 100Ø RAIN WATER LEADER TO BE TEMPORARILY REMOVED AND REINSTALLED C/W INSULATION AS NEEDED TO ALLOW FOR STRUCTURAL REINFORCING. CONTRACTOR TO CONFIRM EXTENT OF REPLACEMENT REQUIRED ON SITE. CONTRACTOR TO MAINTAIN WORKING RAINWATER DRAINAGE SYSTEM THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE DRAINAGE PIPING REMOVAL WITH WEATHER FORECAST AND INCLUDE FOR MULTIPLE REMOVALS AND RE-INSTALLATIONS AS REQUIRED FOR REINFORCING WORK TO BE COMPLETED AND RAINWATER DRAINAGE SYSTEM TO REMAIN OPERATIONAL.

100 RWL UP TO RD

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Tel: 905-839-5599

Key Plan N.T.S.

Project North | True North

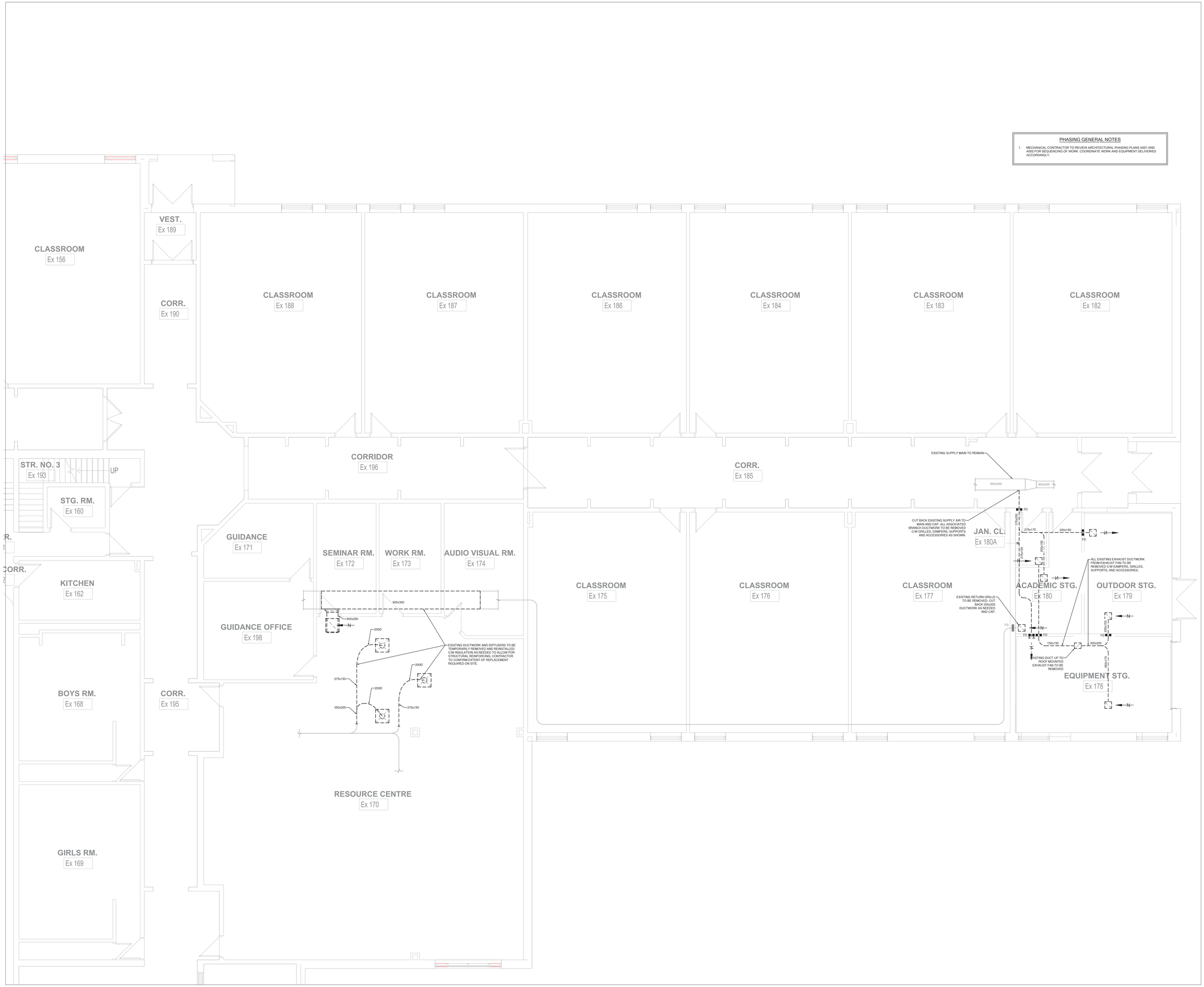
No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

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Drawing Title:
DEMO - FIRST FLOOR PART PLAN - PLUMBING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M101



Simcoe Muskoka Catholic District School Board

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Drawing Title:
DEMO - FIRST FLOOR PART PLAN - HVAC

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M111

EXISTING ROOF

STAIR NO. 3
Ex 193

EXISTING ROOF

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

EXISTING 6000x1800 INTAKE LOUVRE TO BE TEMPORARILY REMOVED AND REINSTALLED AS A PART OF NEW WORK TO FACILITATE STRUCTURAL WORK.

MECHANICAL RM.
Ex 200

1500x750

1500x750

EXISTING ROOF

CUT BACK EXISTING 1500x750 SA & RA DUCTWORK TO EXISTING SILENCERS FOR CONNECTION TO NEW WORK. EXISTING SILENCERS TO REMAIN.

DN

EXISTING VENTILATION UNIT TO BE REMOVED COMPLETE WITH ALL CONTROLS AND ACCESSORIES

EXISTING 3000x1800 LOUVRE TO BE TEMPORARILY REMOVED FOR DELIVERY OF NEW EQUIPMENT. CUT BACK EXISTING OUTDOOR INTAKE DUCTWORK C/W ALL INSULATION, CONTROLS, AND ACCESSORIES.

EXISTING EXHAUST DUCTWORK UP TO LOUVRED PENTHOUSE ABOVE TO BE REMOVED. LOUVRED PENTHOUSE TO REMAIN.

EXISTING EXHAUST FAN TO BE REMOVED C/W ROOF CURB, CONTROLS, AND ACCESSORIES.

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Drawing Title:
DEMO - ROOF AND PENTHOUSE PART PLAN - HVAC

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M112

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

CLASSROOM Ex 156
VEST. Ex 189
CORR. Ex 190
CLASSROOM Ex 188
CLASSROOM Ex 187
CLASSROOM Ex 186
CLASSROOM Ex 184
CLASSROOM Ex 183
CLASSROOM Ex 182
STR. NO. 3 Ex 193
UP
STG. RM. Ex 160
CORRIDOR Ex 196
CORR. Ex 185
32
CUT BACK 32 HWS/HWR TO MAIN AND CAP AS NEEDED FOR CONNECTION TO NEW WORK. INCLUDE FOR ALL DRAINING OF PIPING OR PIPE FREEZING REQUIRED.
38 HWR TO EXISTING BUILDING
GUIDANCE Ex 171
SEMINAR RM. Ex 172
WORK RM. Ex 173
AUDIO VISUAL RM. Ex 174
EXISTING CABINET HEATER TO BE REMOVED C/W ALL CONTROLS, PIPING AND ACCESSORIES.
JAN. CL. Ex 180A
EXISTING CONVECTOR TO BE REMOVED C/W ALL CONTROLS, PIPING AND ACCESSORIES.
CLASSROOM Ex 175
CLASSROOM Ex 176
CLASSROOM Ex 177
ACADEMIC STG. Ex 180
OUTDOOR STG. Ex 179
EXISTING UNIT HEATER TO BE REMOVED C/W ALL CONTROLS, PIPING AND ACCESSORIES.
KITCHEN Ex 162
32
EXISTING 50D HIGH TEMPERATURE HEATING WATER PIPING UP TO PENTHOUSE TO REMAIN
GUIDANCE OFFICE Ex 198
38 HWS TO EXISTING BUILDING
EXISTING 32D HWS/HWR PIPING TO BE TEMPORARILY REMOVED AND REINSTALLED C/W INSULATION AS NEEDED TO ALLOW FOR STRUCTURAL REINFORCING. CONTRACTOR TO CONFIRM EXTENT OF REPLACEMENT REQUIRED ON SITE. INCLUDE FOR ALL PIPE FREEZING OR DRAINING OF SYSTEM REQUIRED.
EQUIPMENT STG. Ex 178
BOYS RM. Ex 168
CORR. Ex 195
RESOURCE CENTRE Ex 170
GIRLS RM. Ex 169

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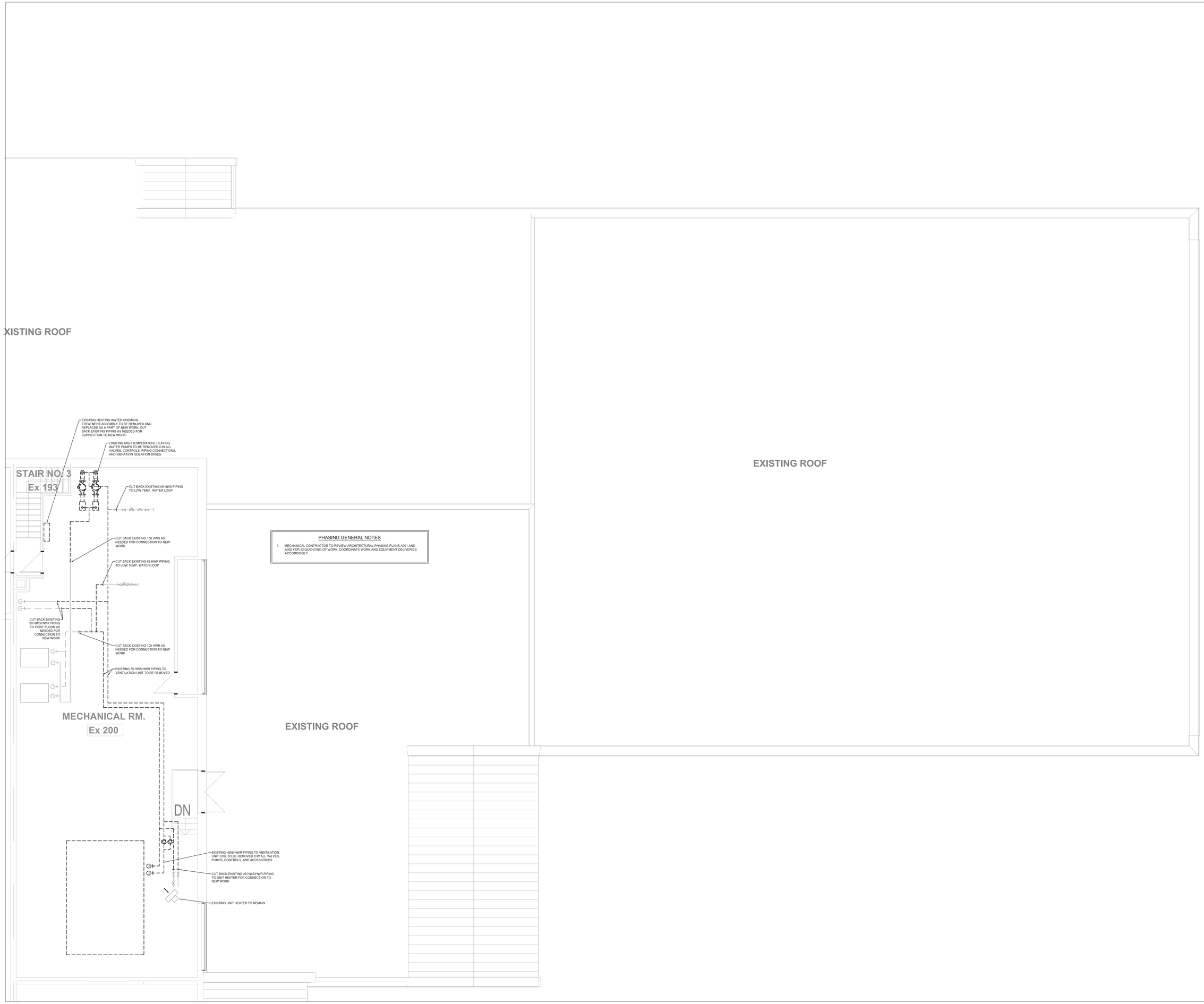
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Drawing Title:
DEMO - FIRST FLOOR PART PLAN - HVAC PIPING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M121



PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

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Drawing Title:
DEMO - ROOF AND PENTHOUSE PART PLAN - HVAC PIPING

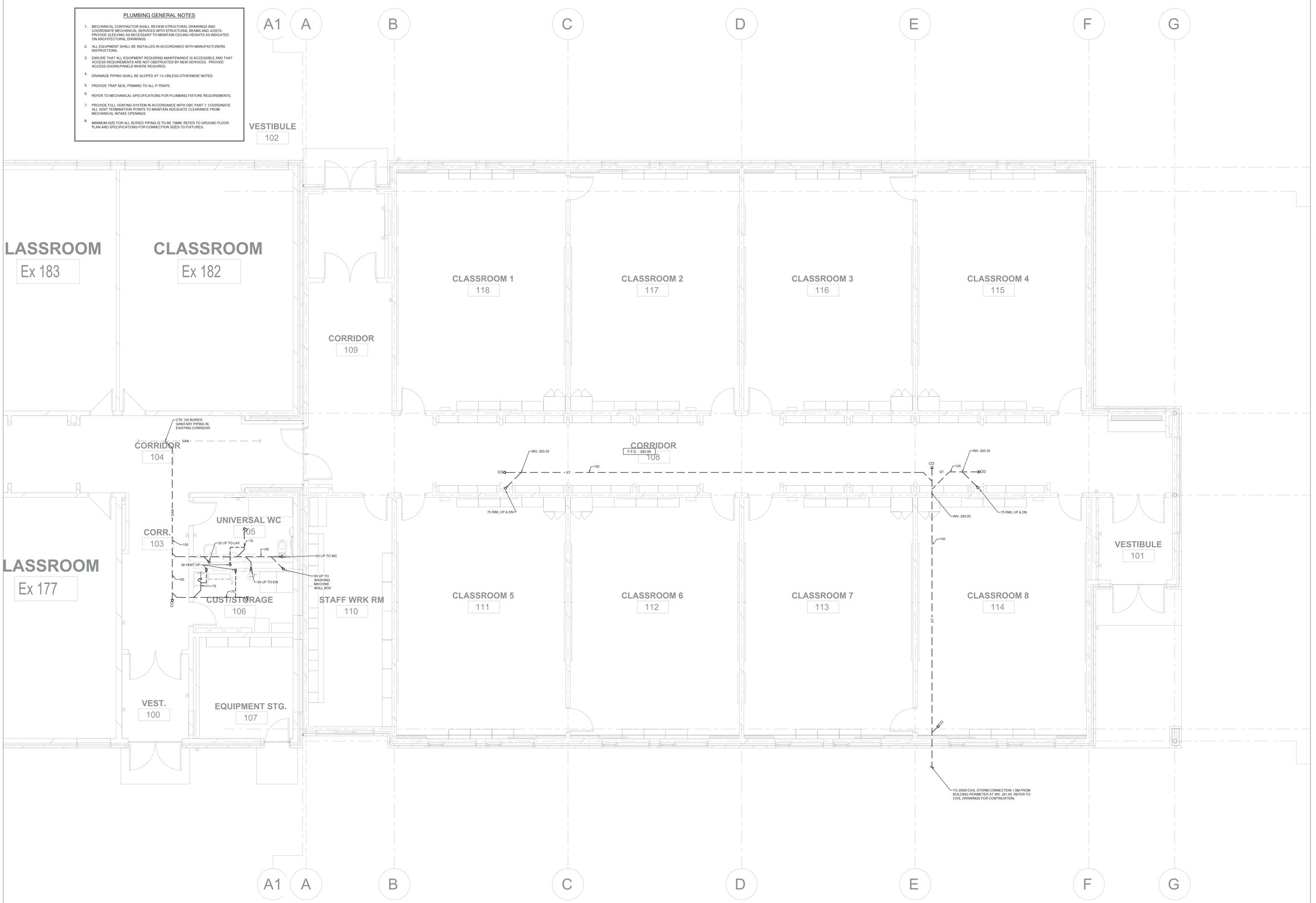
Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M122

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

PLUMBING GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS AND COORDINATE MECHANICAL SERVICES WITH STRUCTURAL BEAMS AND JOISTS. PROVIDE SLEEVING AS NECESSARY TO MAINTAIN CEILING HEIGHTS AS INDICATED ON ARCHITECTURAL DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. DRAINAGE PIPING SHALL BE SLOPED AT 1% UNLESS OTHERWISE NOTED.
5. PROVIDE TRAP SEAL PRIMING TO ALL P-TRAPS.
6. REFER TO MECHANICAL SPECIFICATIONS FOR PLUMBING FIXTURE REQUIREMENTS.
7. PROVIDE FULL VENTING SYSTEM IN ACCORDANCE WITH OBC PART 7. COORDINATE ALL VENT TERMINATION POINTS TO MAINTAIN ADEQUATE CLEARANCE FROM MECHANICAL INTAKE OPENINGS.
8. MINIMUM SIZE FOR ALL BURIED PIPING IS TO BE 75MM. REFER TO GROUND FLOOR PLAN AND SPECIFICATIONS FOR CONNECTION SIZES TO FIXTURES.



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Drawing Title:
NEW - ADDITION
UNDERGROUND PART
PLAN - PLUMBING

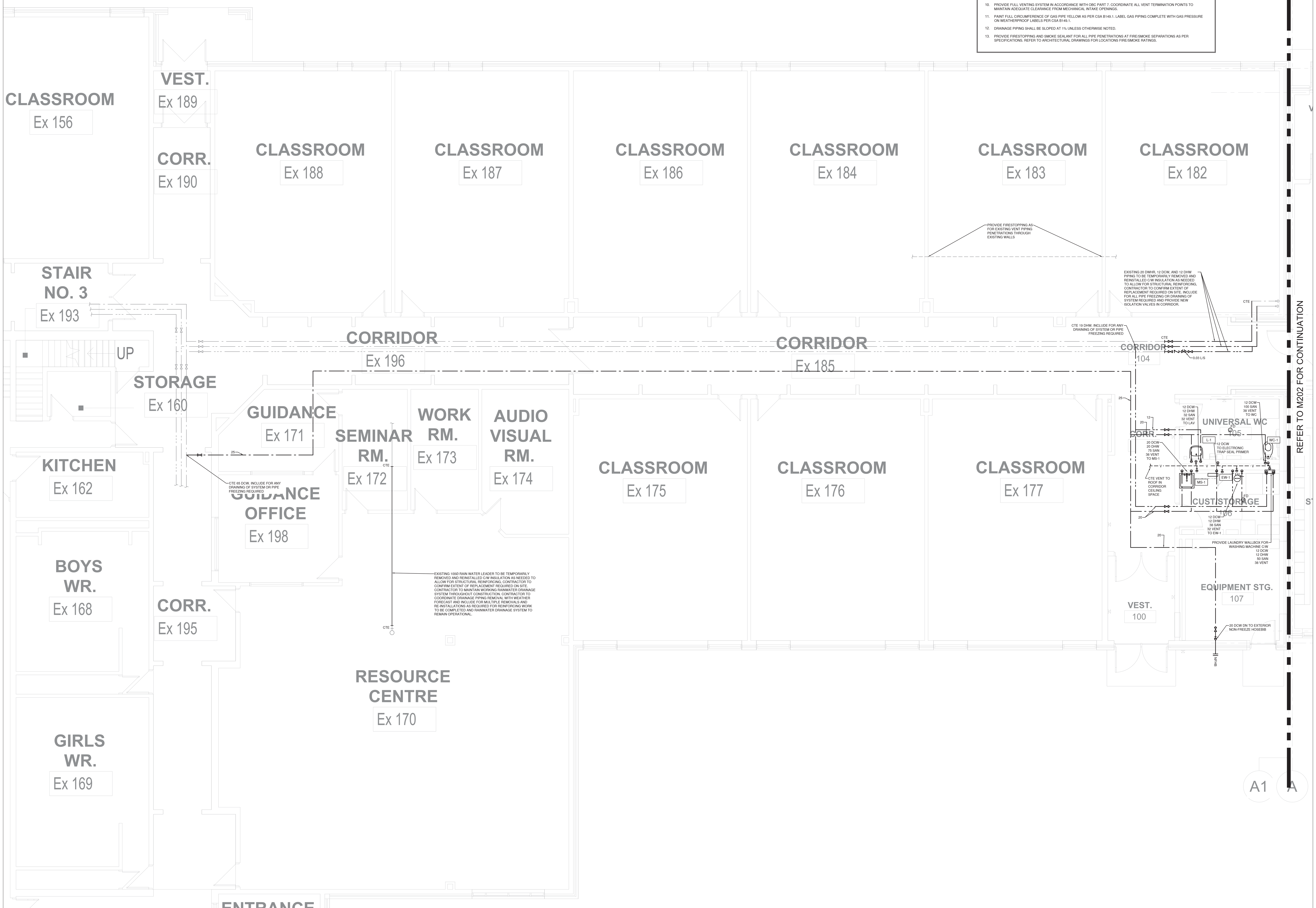
Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M200

PHASING GENERAL NOTES

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PLUMBING GENERAL NOTES

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3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. ALL PIPING SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS. EXPOSED PIPING INSULATION WITHIN BUILDING SHALL BE PROVIDED WITH PVC JACKETING.
5. PROVIDE ISOLATION VALVES AT EACH FIXTURE.
6. TERMINATE 20MM CONDENSATE DRAINS OVER FUNNEL FLOOR DRAINS C/W AIR GAP OF 25MM.
7. CONDENSATE DRAINS TO BE METALLIC UNTIL TERMINATION. PLASTIC TUBING WILL NOT BE ACCEPTED.
8. PROVIDE TRAP SEAL PRIMING TO ALL P-TRAPS.
9. REFER TO MECHANICAL SPECIFICATIONS FOR PLUMBING FIXTURE REQUIREMENTS.
10. PROVIDE FULL VENTING SYSTEM IN ACCORDANCE WITH OBC PART 7. COORDINATE ALL VENT TERMINATION POINTS TO MAINTAIN ADEQUATE CLEARANCE FROM MECHANICAL INTAKE OPENINGS.
11. PAINT FULL CIRCUMFERENCE OF GAS PIPE YELLOW AS PER CSA B149.1. LABEL GAS PIPING COMPLETE WITH GAS PRESSURE ON WEATHERPROOF LABELS PER CSA B149.1.
12. DRAINAGE PIPING SHALL BE SLOPED AT 1% UNLESS OTHERWISE NOTED.
13. PROVIDE FIRESTOPPING AND SMOKE SEALANT FOR ALL PIPE PENETRATIONS AT FIRE/SMOKE SEPARATIONS AS PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS FIRE/SMOKE RATINGS.



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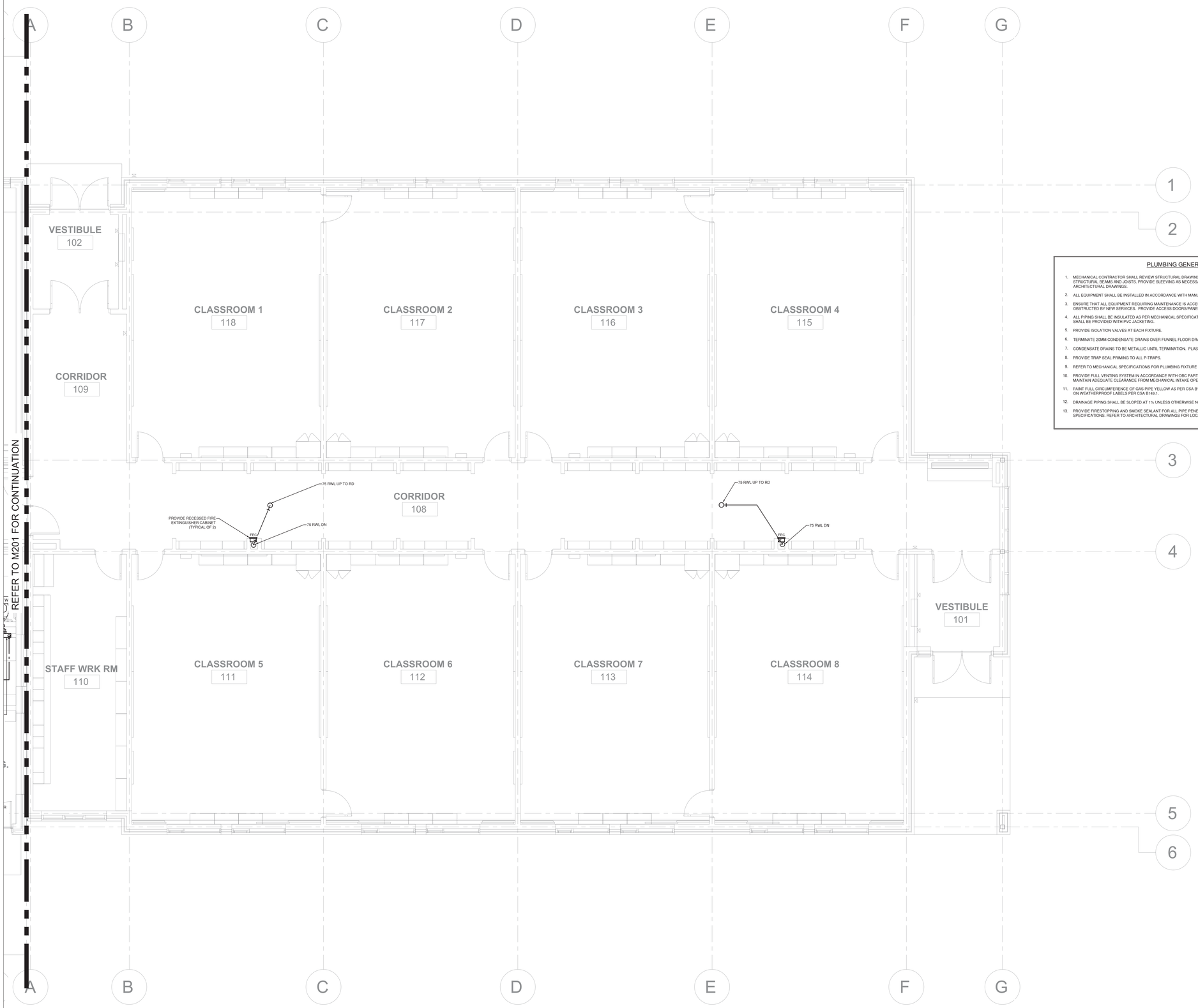
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Drawing Title:
NEW - EXIST. BUILDING FIRST FLOOR PART PLAN - PLUMBING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M201



PLUMBING GENERAL NOTES

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4. ALL PIPING SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS. EXPOSED PIPING INSULATION WITHIN BUILDING SHALL BE PROVIDED WITH PVC JACKETING.
5. PROVIDE ISOLATION VALVES AT EACH FIXTURE.
6. TERMINATE 20MM CONDENSATE DRAINS OVER FUNNEL FLOOR DRAINS C/W AIR GAP OF 25MM.
7. CONDENSATE DRAINS TO BE METALLIC UNTIL TERMINATION. PLASTIC TUBING WILL NOT BE ACCEPTED.
8. PROVIDE TRAP SEAL PRIMING TO ALL P-TRAPS.
9. REFER TO MECHANICAL SPECIFICATIONS FOR PLUMBING FIXTURE REQUIREMENTS.
10. PROVIDE FULL VENTING SYSTEM IN ACCORDANCE WITH OBC PART 7. COORDINATE ALL VENT TERMINATION POINTS TO MAINTAIN ADEQUATE CLEARANCE FROM MECHANICAL INTAKE OPENINGS.
11. PAINT FULL CIRCUMFERENCE OF GAS PIPE YELLOW AS PER CSA B149.1. LABEL GAS PIPING COMPLETE WITH GAS PRESSURE ON WEATHERPROOF LABELS PER CSA B149.1.
12. DRAINAGE PIPING SHALL BE SLOPED AT 1% UNLESS OTHERWISE NOTED.
13. PROVIDE FIRESTOPPING AND SMOKE SEALANT FOR ALL PIPE PENETRATIONS AT FIRE/SMOKE SEPARATIONS AS PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS FIRE/SMOKE RATINGS.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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NEW - ADDITION FIRST FLOOR PART PLAN - PLUMBING

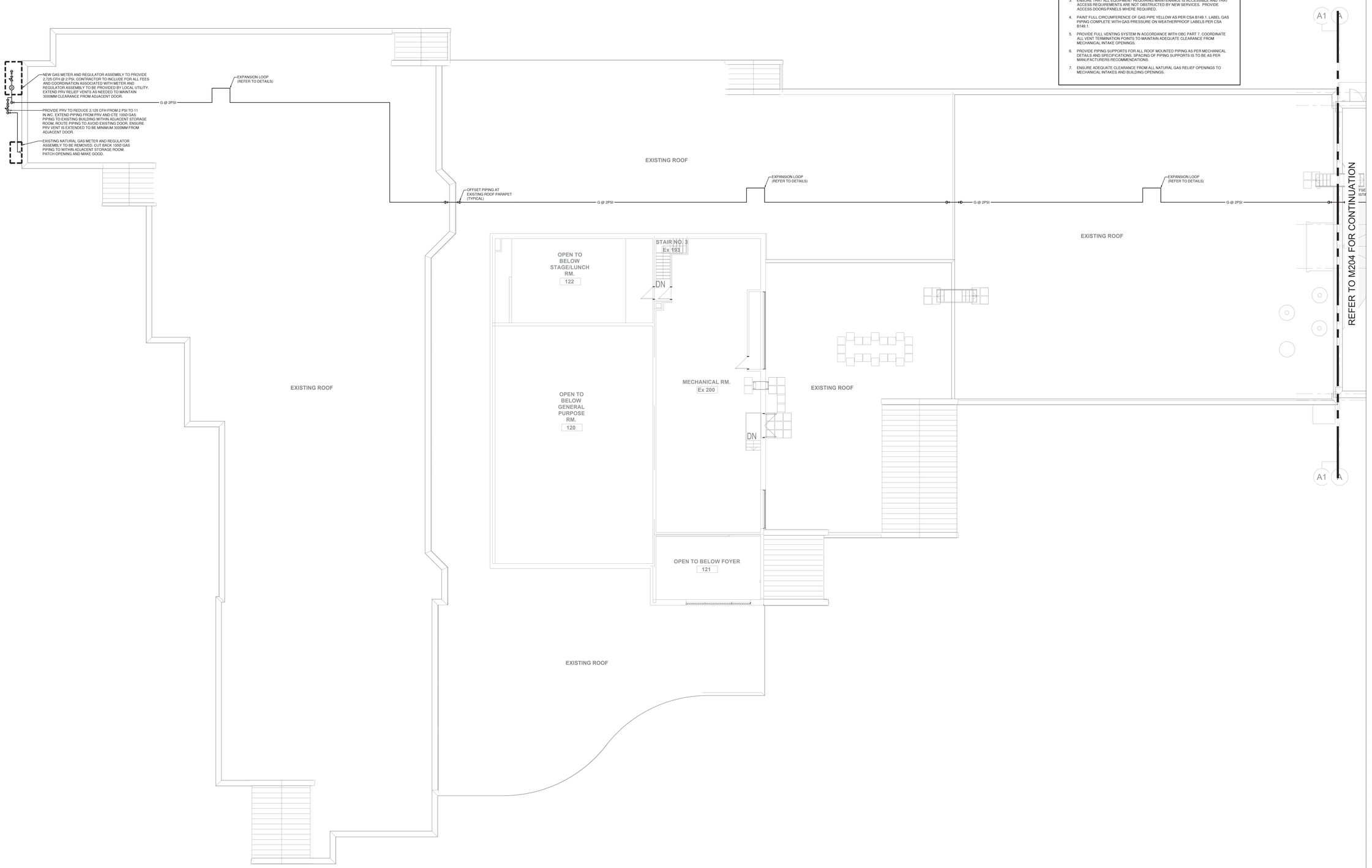
Scale:	1:50	Date:	November 2026
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Job No.	25092	Drawing No.	M202

PHASING GENERAL NOTES

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4. PAINT FULL CIRCUMFERENCE OF GAS PIPE YELLOW AS PER CSA B149.1. LABEL GAS PIPING COMPLETE WITH GAS PRESSURE ON WEATHERPROOF LABELS PER CSA B149.1.
5. PROVIDE FULL VENTING SYSTEM IN ACCORDANCE WITH OBC PART 7. COORDINATE ALL VENT TERMINATION POINTS TO MAINTAIN ADEQUATE CLEARANCE FROM MECHANICAL INTAKE OPENINGS.
6. PROVIDE PIPING SUPPORTS FOR ALL ROOF MOUNTED PIPING AS PER MECHANICAL DETAILS AND SPECIFICATIONS. SPACING OF PIPING SUPPORTS IS TO BE AS PER MANUFACTURERS RECOMMENDATIONS.
7. ENSURE ADEQUATE CLEARANCE FROM ALL NATURAL GAS RELIEF OPENINGS TO MECHANICAL INTAKES AND BUILDING OPENINGS.



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Key Plan N.T.S.

Project North | True North

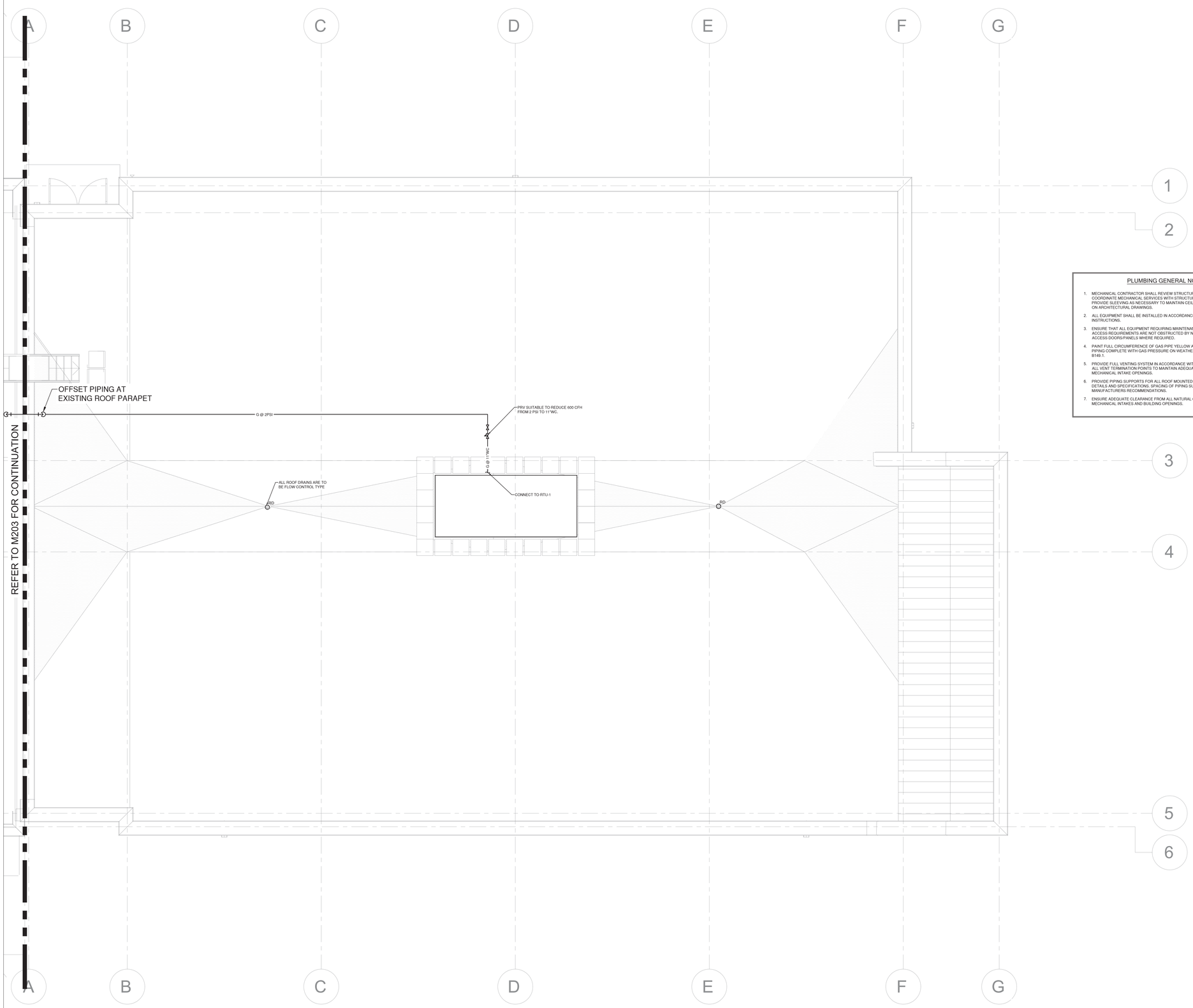
No.	Revisions	Date
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5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

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Drawing Title:
NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - PLUMBING

Scale:	1:100	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M203



PLUMBING GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS AND COORDINATE MECHANICAL SERVICES WITH STRUCTURAL BEAMS AND JOISTS. PROVIDE SLEEVING AS NECESSARY TO MAINTAIN CEILING HEIGHTS AS INDICATED ON ARCHITECTURAL DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. PAINT FULL CIRCUMFERENCE OF GAS PIPE YELLOW AS PER CSA B149.1. LABEL GAS PIPING COMPLETE WITH GAS PRESSURE ON WEATHERPROOF LABELS PER CSA B149.1.
5. PROVIDE FULL VENTING SYSTEM IN ACCORDANCE WITH OBC PART 7. COORDINATE ALL VENT TERMINATION POINTS TO MAINTAIN ADEQUATE CLEARANCE FROM MECHANICAL INTAKE OPENINGS.
6. PROVIDE PIPING SUPPORTS FOR ALL ROOF MOUNTED PIPING AS PER MECHANICAL DETAILS AND SPECIFICATIONS. SPACING OF PIPING SUPPORTS IS TO BE AS PER MANUFACTURERS RECOMMENDATIONS.
7. ENSURE ADEQUATE CLEARANCE FROM ALL NATURAL GAS RELIEF OPENINGS TO MECHANICAL INTAKES AND BUILDING OPENINGS.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

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Key Plan N.T.S.

Project North | True North

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No.	Issue	Date

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Drawing Title:
NEW - ADDITION ROOF PART PLAN - PLUMBING

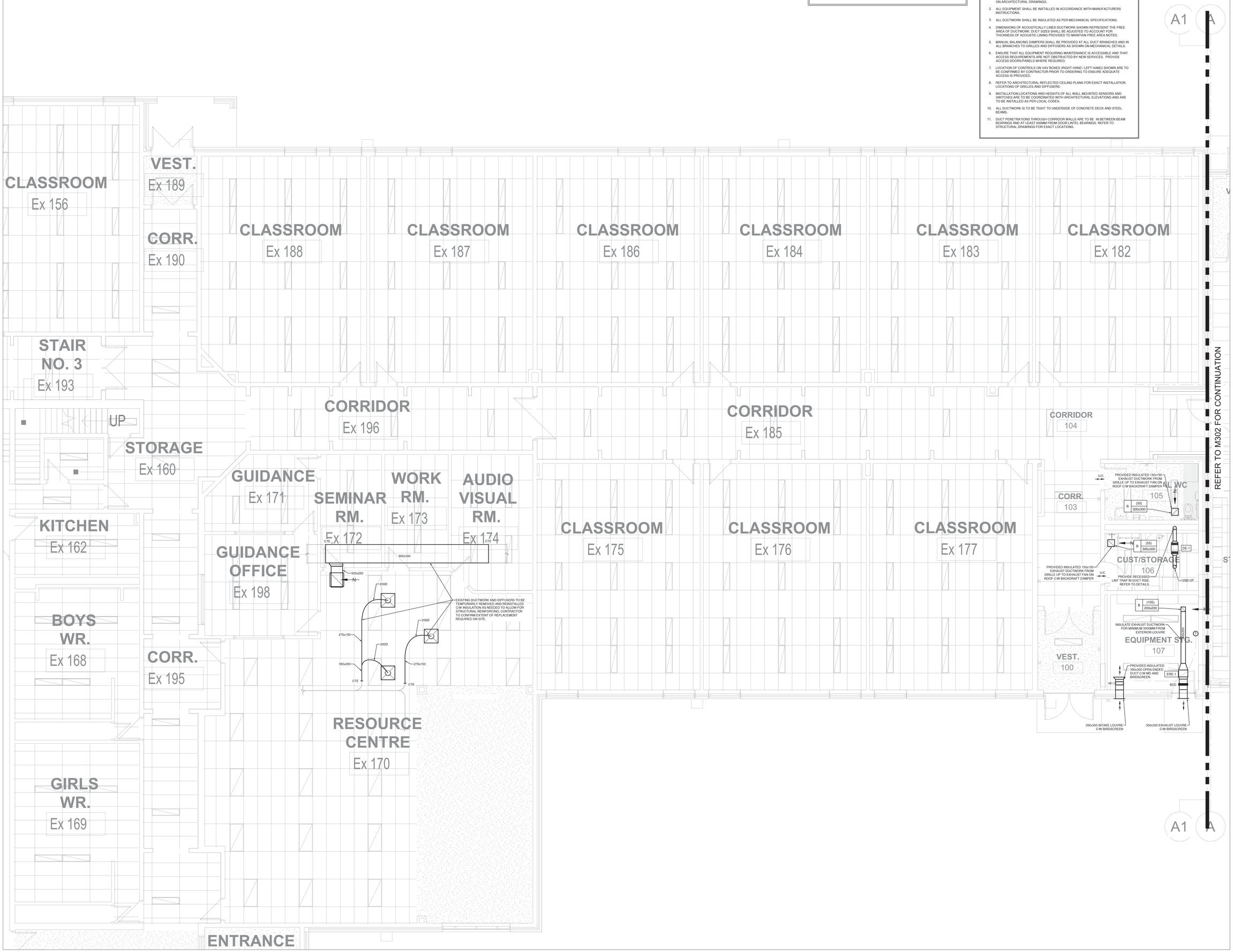
Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M204

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

HVAC GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS AND COORDINATE MECHANICAL SERVICES WITH STRUCTURAL BEAMS AND JOISTS. PROVIDE SLEEVING AS NECESSARY TO MAINTAIN CEILING HEIGHTS AS INDICATED ON ARCHITECTURAL DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ALL DUCTWORK SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS.
4. DIMENSIONS OF ACOUSTICALLY LINED DUCTWORK SHOWN REPRESENT THE FREE AREA OF DUCTWORK. DUCT SIZES SHALL BE ADJUSTED TO ACCOUNT FOR THICKNESS OF ACOUSTIC LINING PROVIDED TO MAINTAIN FREE AREA NOTED.
5. MANUAL BALANCING DAMPERS SHALL BE PROVIDED AT ALL DUCT BRANCHES AND IN ALL BRANCHES TO GRILLES AND DIFFUSERS AS SHOWN ON MECHANICAL DETAILS.
6. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
7. LOCATION OF CONTROLS ON VAV BOXES (RIGHT HAND / LEFT HAND) SHOWN ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING TO ENSURE ADEQUATE ACCESS IS PROVIDED.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT INSTALLATION LOCATIONS OF GRILLES AND DIFFUSERS.
9. INSTALLATION LOCATIONS AND HEIGHTS OF ALL WALL MOUNTED SENSORS AND SWITCHES ARE TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND ARE TO BE INSTALLED AS PER LOCAL CODES.
10. ALL DUCTWORK IS TO BE TIGHT TO UNDERSIDE OF CONCRETE DECK AND STEEL BEAMS.
11. DUCT PENETRATIONS THROUGH CORRIDOR WALLS ARE TO BE IN BETWEEN BEAM BEARINGS AND AT LEAST 600MM FROM DOOR LINTEL BEARINGS. REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATIONS.



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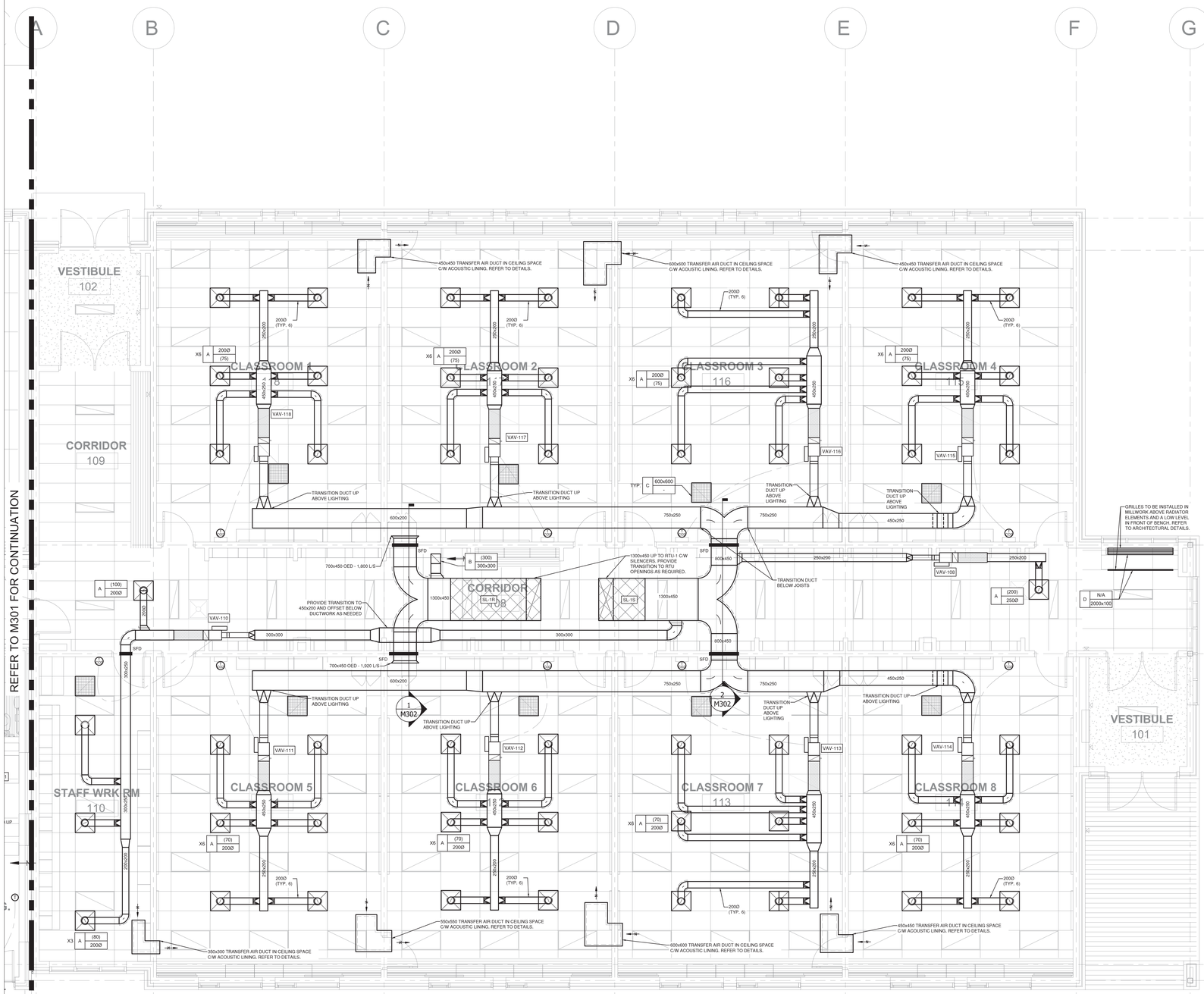
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Drawing Title:
NEW - EXIST. BUILDING
FIRST FLOOR PART
PLAN - HVAC

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M301



3 NEW WORK - ADDITION FIRST FLOOR PART PLAN - HVAC

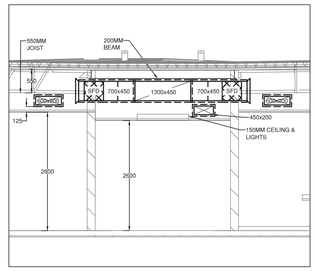
Scale: 1:50

HVAC GENERAL NOTES

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2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ALL DUCTWORK SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS.
4. DIMENSIONS OF ACOUSTICALLY LINED DUCTWORK SHOWN REPRESENT THE FREE AREA OF DUCTWORK. DUCT SIZES SHALL BE ADJUSTED TO ACCOUNT FOR THICKNESS OF ACOUSTIC LINING PROVIDED TO MAINTAIN FREE AREA NOTED.
5. MANUAL BALANCING DAMPERS SHALL BE PROVIDED AT ALL DUCT BRANCHES AND IN ALL BRANCHES TO GRILLES AND DIFFUSERS AS SHOWN ON MECHANICAL DETAILS.
6. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
7. LOCATION OF CONTROLS ON VAV BOXES (RIGHT HAND / LEFT HAND) SHOWN ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING TO ENSURE ADEQUATE ACCESS IS PROVIDED.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT INSTALLATION LOCATIONS OF GRILLES AND DIFFUSERS.
9. INSTALLATION LOCATIONS AND HEIGHTS OF ALL WALL MOUNTED SENSORS AND SWITCHES ARE TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND ARE TO BE INSTALLED AS PER LOCAL CODES.
10. ALL DUCTWORK IS TO BE TIGHT TO UNDERSIDE OF CONCRETE DECK AND STEEL BEAMS.
11. DUCT PENETRATIONS THROUGH CORRIDOR WALLS ARE TO BE IN BETWEEN BEAM BEARINGS AND AT LEAST 600MM FROM DOOR LINTEL BEARINGS. REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATIONS.

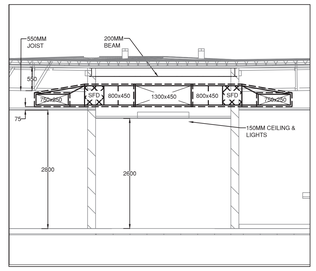
PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



1 CORRIDOR SECTION #1

Scale: 1:50



2 CORRIDOR SECTION #2

Scale: 1:50

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Key Plan N.T.S.

Project North / True North

No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
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1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

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Drawing Title:
NEW - ADDITION FIRST FLOOR PART PLAN - HVAC

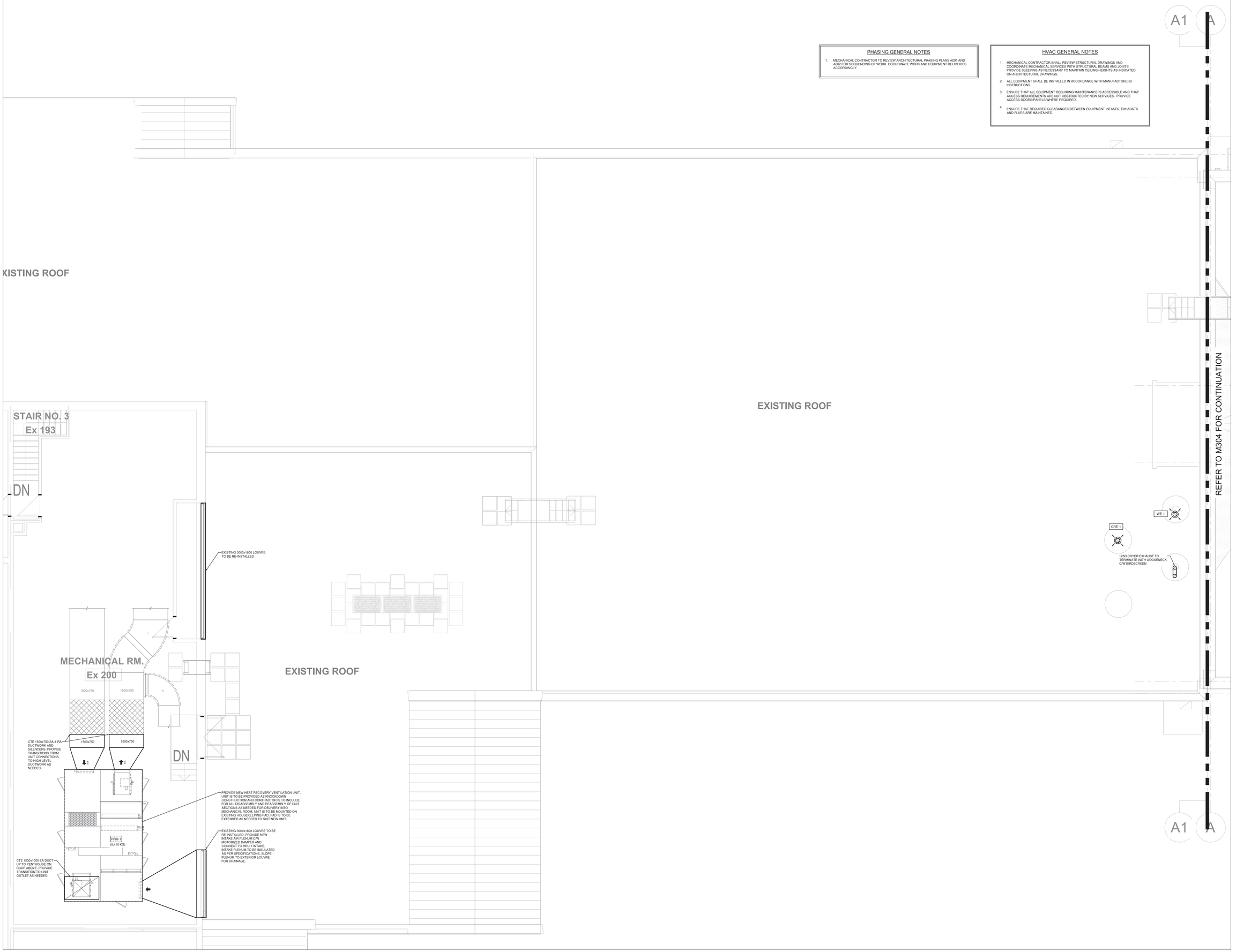
Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M302

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

HVAC GENERAL NOTES

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3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. ENSURE THAT REQUIRED CLEARANCES BETWEEN EQUIPMENT INTAKES, EXHAUSTS AND FLUES ARE MAINTAINED.



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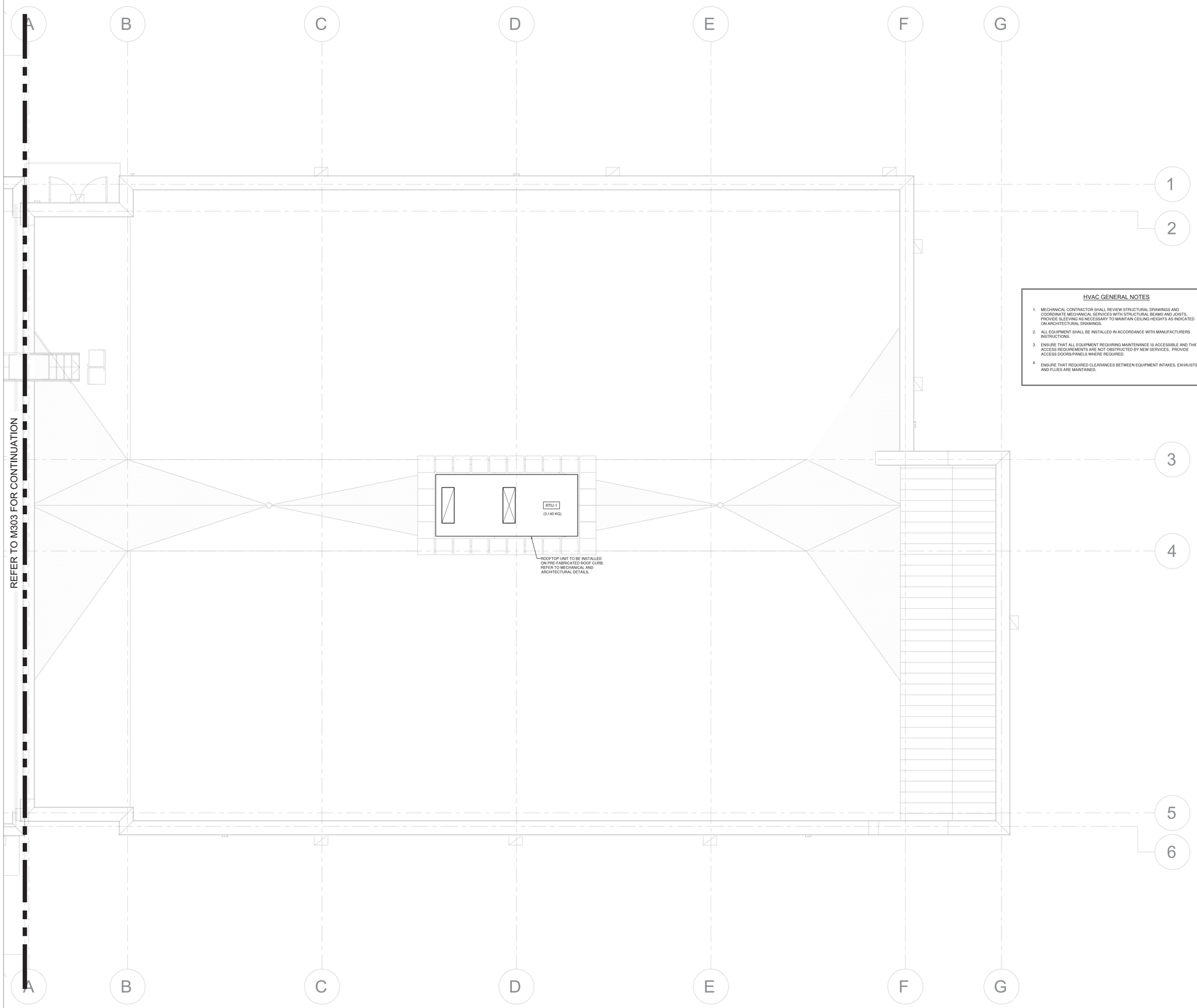
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Drawing Title:
NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - HVAC

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M303



HVAC GENERAL NOTES

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4. ENSURE THAT REQUIRED CLEARANCES BETWEEN EQUIPMENT INTAKES, EXHAUSTS AND FLUES ARE MAINTAINED.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Project North | True North

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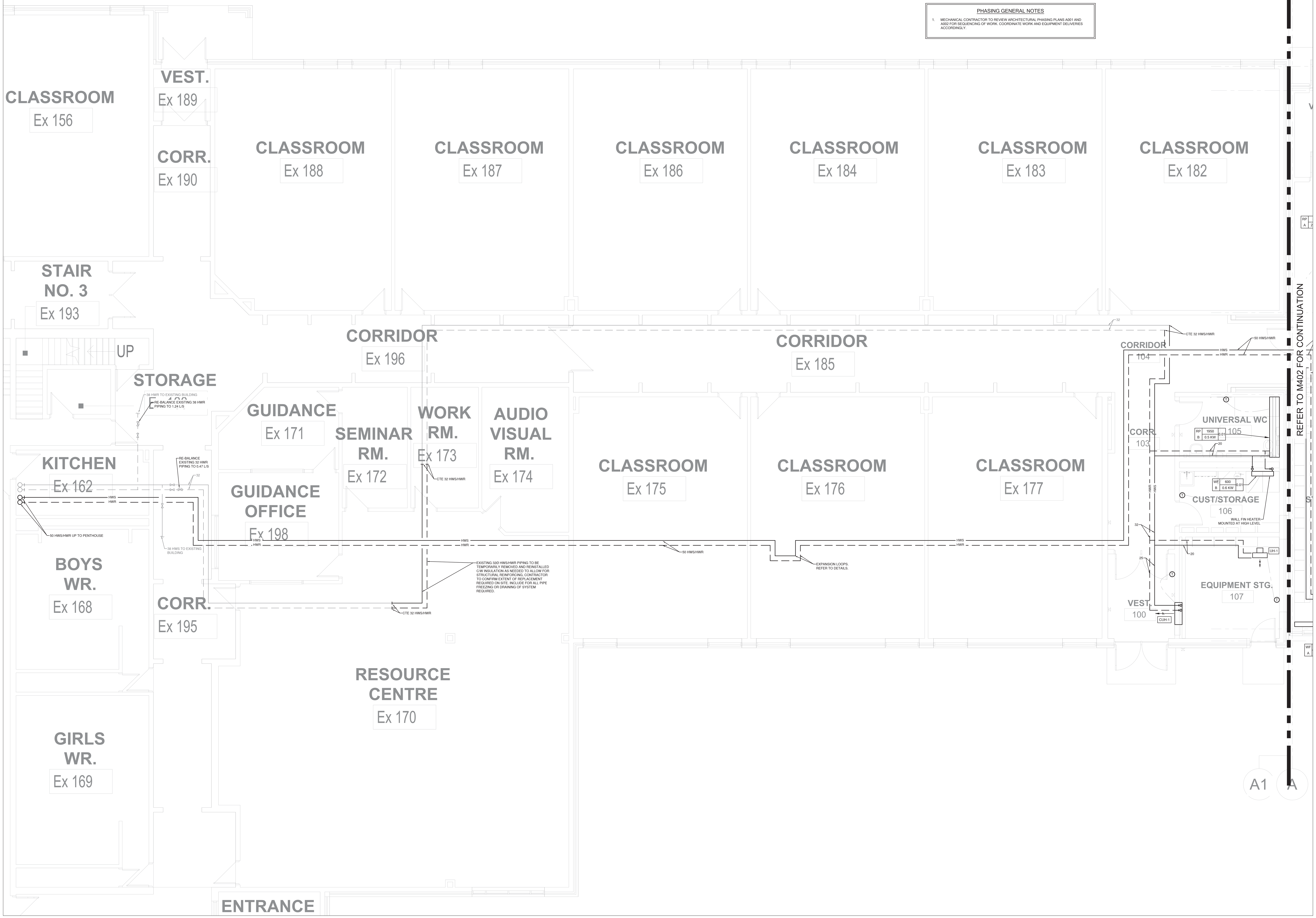
Scale:	1:150	Date:	November 2026
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Job No.	25092	Drawing No.	M304

HVAC PIPING GENERAL NOTES

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2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. PROVIDE FIRESTOPPING AND SMOKE SEALANT FOR ALL PIPE PENETRATIONS AT FIRE/SMOKE SEPARATIONS AS PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS FIRE/SMOKE RATINGS.
5. LENGTHS OF WALLFIN RADIATORS SHOWN REPRESENT ACTIVE LENGTH OF RADIATORS. UNLESS OTHERWISE NOTED, RADIATOR ENCLOSURES ARE TO EXTEND THE FULL WIDTH OF WALL WITHIN SPACES. EXACT LENGTHS TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING.
6. INSTALLATION LOCATIONS AND HEIGHTS OF ALL WALL MOUNTED SENSORS AND SWITCHES ARE TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND ARE TO BE INSTALLED AS PER LOCAL CODES.
7. ALL PIPING SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS. EXPOSED PIPING INSULATION WITHIN BUILDING SHALL BE PROVIDED WITH PVC JACKETING. EXPOSED PIPING INSULATION OUTSIDE OF THE BUILDING SHALL BE PROVIDED WITH ALUMINUM JACKETING.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



Simcoe Muskoka Catholic District School Board

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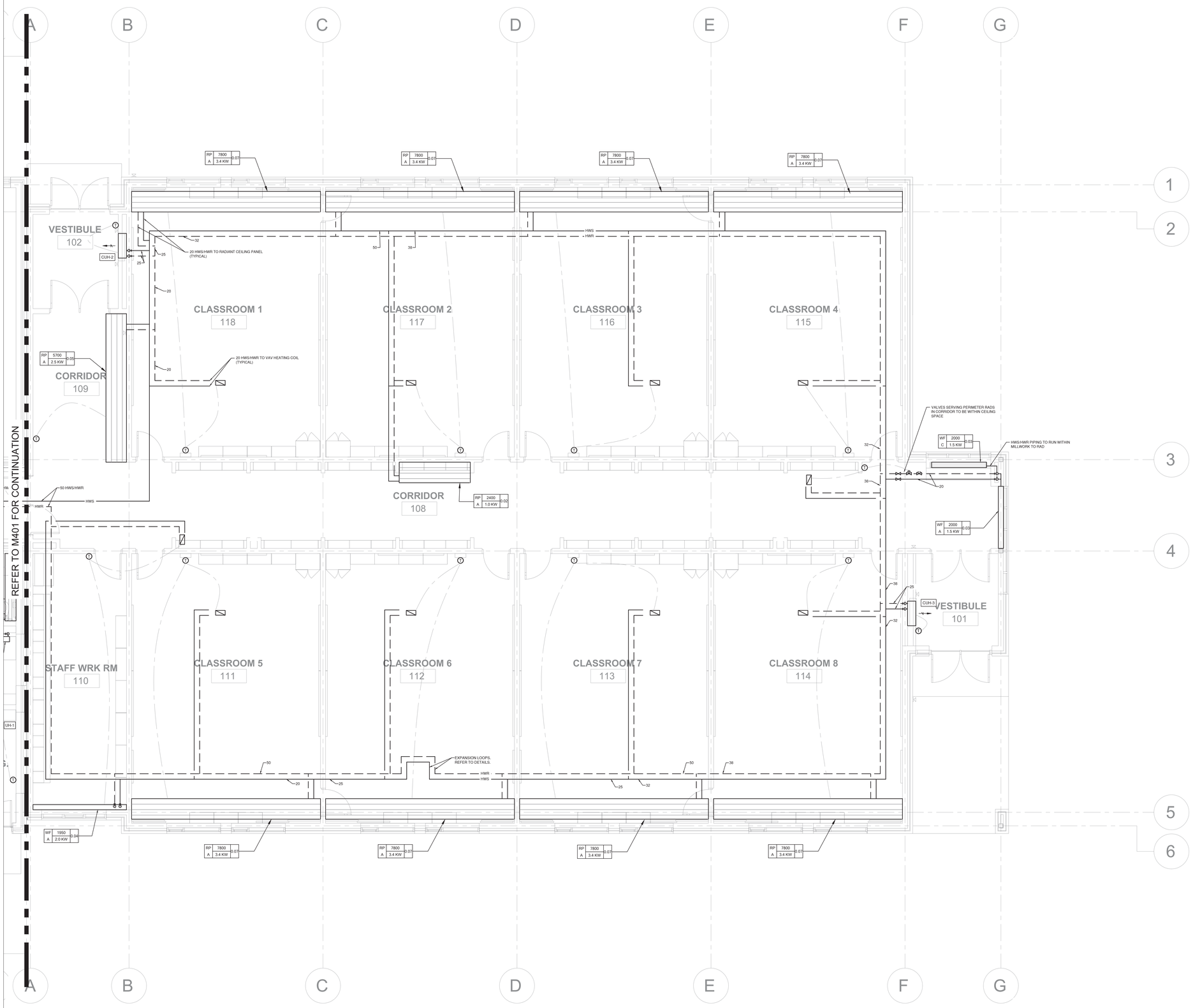
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Drawing Title:
NEW - EXIST. BUILDING FIRST FLOOR PART PLAN - HVAC PIPING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M401



HVAC PIPING GENERAL NOTES

1. MECHANICAL CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS AND COORDINATE MECHANICAL SERVICES WITH STRUCTURAL BEAMS AND JOISTS. PROVIDE SLEEVING AS NECESSARY TO MAINTAIN CEILING HEIGHTS AS INDICATED ON ARCHITECTURAL DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. PROVIDE FIRESTOPPING AND SMOKE SEALANT FOR ALL PIPE PENETRATIONS AT FIRE/SMOKE SEPARATIONS AS PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS FIRE/SMOKE RATINGS.
5. LENGTHS OF WALL/FIN RADIATORS SHOWN REPRESENT ACTIVE LENGTH OF RADIATORS. UNLESS OTHERWISE NOTED, RADIATOR ENCLOSURES ARE TO EXTEND THE FULL WIDTH OF WALL WITHIN SPACES UNLESS OTHERWISE SHOWN. EXACT LENGTHS TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING.
6. INSTALLATION LOCATIONS AND HEIGHTS OF ALL WALL MOUNTED SENSORS AND SWITCHES ARE TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND ARE TO BE INSTALLED AS PER LOCAL CODES.
7. ALL PIPING SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS. EXPOSED PIPING INSULATION WITHIN BUILDING SHALL BE PROVIDED WITH PVC JACKETING. EXPOSED PIPING INSULATION OUTSIDE OF THE BUILDING SHALL BE PROVIDED WITH ALUMINUM JACKETING.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Key Plan N.T.S.

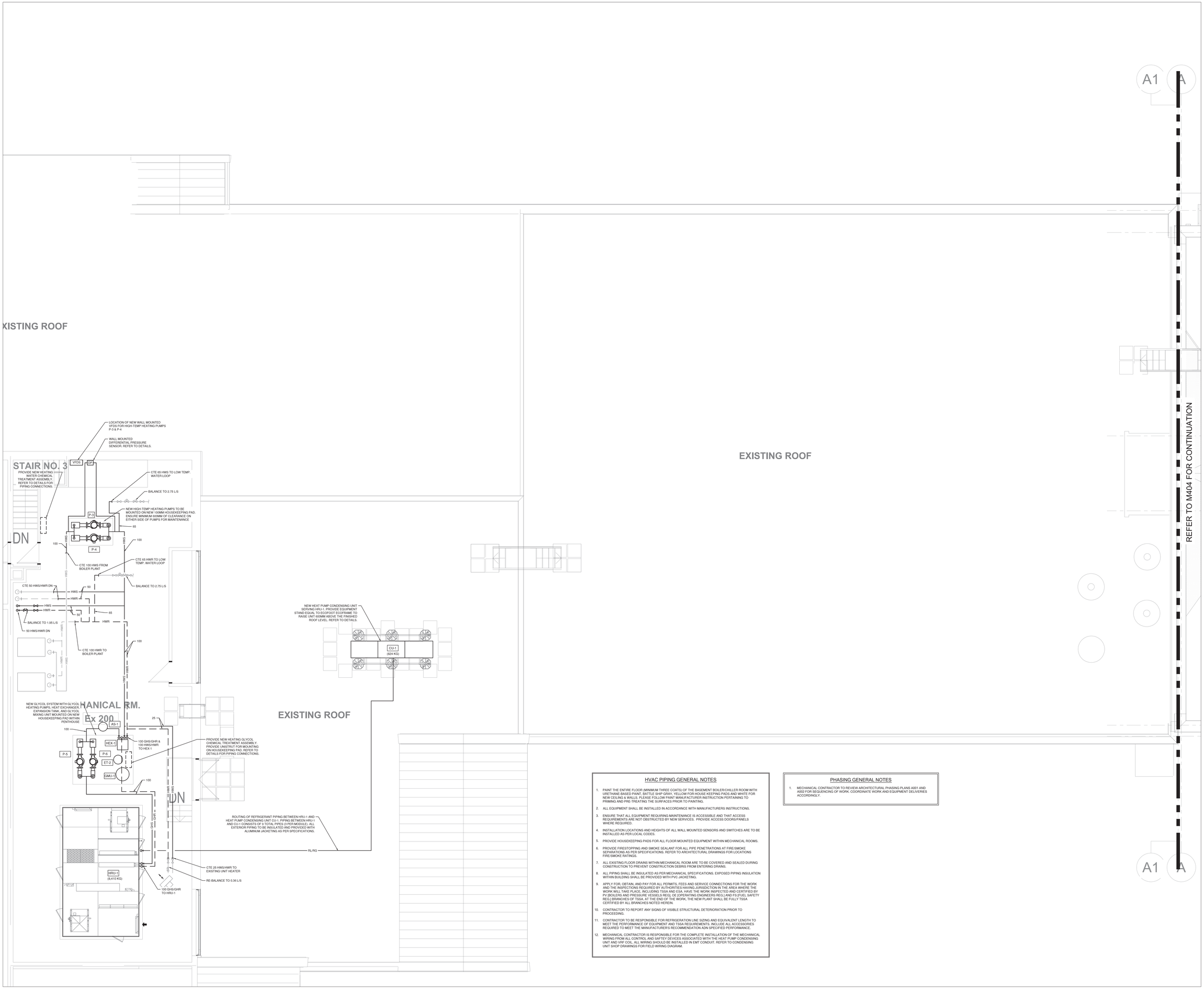
Project North | True North

No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

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Drawing Title:
NEW - ADDITION FIRST FLOOR PART PLAN - HVAC PIPING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M402



HVAC PIPING GENERAL NOTES

1. PAINT THE ENTIRE FLOOR (MINIMUM THREE COATS) OF THE BASEMENT BOILER/CHILLER ROOM WITH URETHANE-BASED PAINT, BATTLE SHIP GRAY, YELLOW FOR HOUSE KEEPING PADS AND WHITE FOR NEW CEILING & WALLS. PLEASE FOLLOW PAINT MANUFACTURER INSTRUCTION PERTAINING TO PRIMING AND PRE-TREATING THE SURFACES PRIOR TO PAINTING.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. ENSURE THAT ALL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE AND THAT ACCESS REQUIREMENTS ARE NOT OBSTRUCTED BY NEW SERVICES. PROVIDE ACCESS DOORS/PANELS WHERE REQUIRED.
4. INSTALLATION LOCATIONS AND HEIGHTS OF ALL WALL MOUNTED SENSORS AND SWITCHES ARE TO BE INSTALLED AS PER LOCAL CODES.
5. PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED EQUIPMENT WITHIN MECHANICAL ROOMS.
6. PROVIDE FIRESTOPPING AND SMOKE SEALANT FOR ALL PIPE PENETRATIONS AT FIRE/SMOKE SEPARATIONS AS PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS FIRE/SMOKE RATINGS.
7. ALL EXISTING FLOOR DRAINS WITHIN MECHANICAL ROOM ARE TO BE COVERED AND SEALED DURING CONSTRUCTION TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAINS.
8. ALL PIPING SHALL BE INSULATED AS PER MECHANICAL SPECIFICATIONS. EXPOSED PIPING INSULATION WITHIN BUILDING SHALL BE PROVIDED WITH PVC JACKETING.
9. APPLY FOR, OBTAIN, AND PAY FOR ALL PERMITS, FEES AND SERVICE CONNECTIONS FOR THE WORK AND THE INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION IN THE AREA WHERE THE WORK WILL TAKE PLACE, INCLUDING TSSA AND ESA. HAVE THE WORK INSPECTED AND CERTIFIED BY PV [BOILERS AND PRESSURE VESSELS REG], OE [OPERATING ENGINEERS REG.] AND FS [FUEL SAFETY REG.] BRANCHES OF TSSA. AT THE END OF THE WORK, THE NEW PLANT SHALL BE FULLY TSSA CERTIFIED BY ALL BRANCHES NOTED HEREIN.
10. CONTRACTOR TO REPORT ANY SIGNS OF VISIBLE STRUCTURAL DETERIORATION PRIOR TO PROCEEDING.
11. CONTRACTOR TO BE RESPONSIBLE FOR REFRIGERATION LINE SIZING AND EQUIVALENT LENGTH TO MEET THE PERFORMANCE OF EQUIPMENT AND TSSA REQUIREMENTS. INCLUDE ALL ACCESSORIES REQUIRED TO MEET THE MANUFACTURER'S RECOMMENDATION ADN SPECIFIED PERFORMANCE.
12. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE MECHANICAL WIRING FROM ALL CONTROL AND SAFTEY DEVICES ASSOCIATED WITH THE HEAT PUMP CONDENSING UNIT AND VRF COIL. ALL WIRING SHOULD BE INSTALLED IN EMT CONDUIT. REFER TO CONDENSING UNIT SHOP DRAWINGS FOR FIELD WIRING DIAGRAM.

PHASING GENERAL NOTES

1. MECHANICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Key Plan N.T.S.

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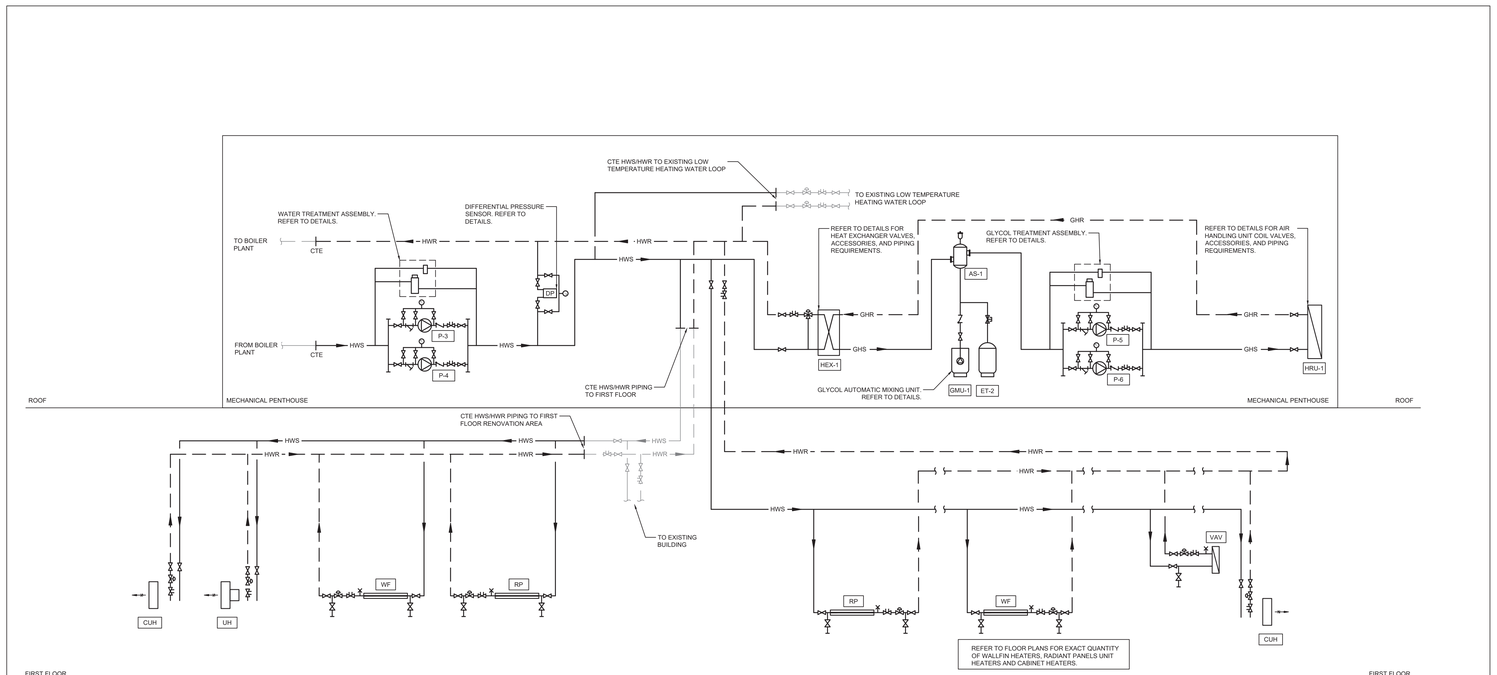
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Drawing Title:
NEW - EXIST. BUILDING ROOF AND PENTHOUSE PART PLAN - HVAC PIPING

Scale:	1:50	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M403



HEATING WATER FLOW DIAGRAM

NTS

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Drawing Title:
MECHANICAL FLOW DIAGRAMS

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M600

NOTES

1. ALL CONTROL EQUIPMENT, INSTRUMENTATION, AND STRATEGIES TO BE PROVIDED AS PER THE LATEST SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD (SMCDSB) CONTROL DESIGN STANDARDS.
2. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF JUNCTION BOXES PROVIDED BY THE ELECTRICAL TRADE, FOR THE PROVISION OF POWER TO CONTROLS SYSTEMS.
3. ELECTRICAL CONTRACTORS SHALL PROVIDE RELAYS, DRY CONTACTS, CONTACTORS, TRANSDUCERS AND SENSORS, ETC. AS REQUIRED ON EQUIPMENT PROVIDED BY ELECTRICAL CONTRACTOR, FOR CONNECTION TO THE BAS. CONTROL CONTRACTOR TO COORDINATE.
4. COORDINATE FINAL INSTALLATION POSITION (INCLUDING HEIGHT A.F.F.) OF EACH TEMPERATURE AND HUMIDITY SENSOR, THERMOSTAT, OCCUPANCY SENSOR, FAN CONTROLLER, AND ALL OTHER CONTROLS RELATED DEVICES THAT ARE LOCATED ON WALLS, CEILINGS, FLOORS, ETC. IN ALL AREAS (EXCLUDING SERVICE AREAS) WITH ARCHITECT AND GENERAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
5. ALL CONTROL WIRING IN AREAS WITH EXPOSED CEILINGS SHALL BE PROVIDED IN CONDUIT.
6. UNLESS OTHERWISE NOTED, PROVIDE ALARM AT BAS SHOULD ANY SPACE TEMPERATURE DROPS BELOW 12.8°C (55°F - ADJUSTABLE).
7. SHOULD A SMOKE DETECTOR BE ACTIVATED, THE SYSTEM SHALL SHUT DOWN AND NOT RE-START AUTOMATICALLY.
8. FAN RE-START SEQUENCE ONCE FIRE ALARM HAS BEEN SILENCED SHALL BE STAGGERED THROUGH THE BAS IN ORDER TO PREVENT A CURRENT OVERLOAD OF ELECTRICAL SERVICES.
9. ALL MECHANICAL EQUIPMENT OEM CONTROLLERS SHALL BE BACNET IP OR COMPATIBLE COMMUNICATION PROTOCOL. THE CONTROLLERS MUST COMMUNICATE ALL CONTROL POINTS THROUGH BAS SYSTEM WITHOUT GATEWAYS OR JACES. MECHANICAL CONTRACTOR TO COORDINATE COMMUNICATION PROTOCOL BETWEEN EQUIPMENT SUPPLIERS AND CONTROLS CONTRACTOR TO PROVIDE A FULLY INTEGRATED CONTROL SYSTEM.
10. PROVIDE A MINIMUM OF 20% SPARE INPUT AND OUTPUT POINTS FOR ALL DDC CONTROLLERS.

GENERAL CONTROLS NOTES

INTEGRATION INTO NEW LIGHTING SYSTEMS

1. PROVIDE THE FOLLOWING CONTROL POINTS FOR NEW LIGHTING SYSTEMS:
   - FIRST FLOOR CORRIDOR - DO
2. NEW EXTERIOR WALL LIGHTING AND CROSS BACK-LIGHTING ARE TO BE CONTROLLED BY EXISTING EXTERIOR LIGHTING CONTROL POINT. REFER TO "INTEGRATION INTO EXISTING BAS" SECTION BELOW.

LIGHTING CONTROLS INTEGRATION

INTEGRATION INTO EXISTING BUILDING AUTOMATION SYSTEM

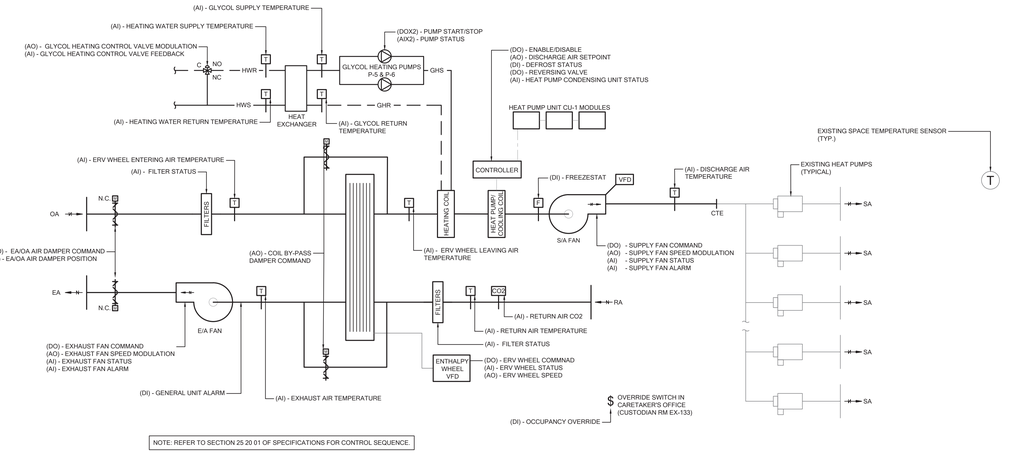
1. THE EXISTING BUILDING HAS A BUILDING AUTOMATION SYSTEM PROVIDED BY JOHNSON CONTROLS INC. ALL NEW CONTROL SYSTEMS ARE TO BE INTEGRATED INTO THE EXISTING BUILDING AUTOMATION SYSTEM.
2. THE FOLLOWING MISCELLANEOUS CONTROL POINTS ARE AVAILABLE FROM THE EXISTING BUILDING AUTOMATION SYSTEM AND ARE TO BE INTEGRATED INTO THE NEW BUILDING CONTROLS:
   - FIRE ALARM SYSTEM STATUS
   - INTERIOR LIGHTING - BUILDING OCCUPATION STATUS
   - SECURITY SYSTEM STATUS
   - EXTERIOR LIGHTING - PHOTOCELL, ZONE CONTROL, AND ASTROLOGICAL CLOCK
   - OUTDOOR AIR TEMPERATURE
   - OUTDOOR AIR HUMIDITY

INTEGRATION INTO EXISTING BAS

EQUIPMENT STATUS AND MONITORING

1. PROVIDE CONTROLS INFRASTRUCTURE TO PERMIT BAS TO MONITOR OEM CONTROLLERS OF MECHANICAL EQUIPMENT AS PER CONTROL DIAGRAMS. PROVIDE POINTS AS SPECIFIED, INCLUDING ALARM, STATUS, TEMPERATURES, PRESSURES AND OTHER MEASURED PROPERTIES WHERE AVAILABLE ON CONTROLLER.
2. REFER TO HEATING, PLUMBING, AND FIRE PROTECTION FLOW DIAGRAMS AND PROVIDE CONTROL INFRASTRUCTURE TO PROVIDE CONTROL STRATEGIES OR BAS SYSTEM MONITORING WHERE INDICATED.

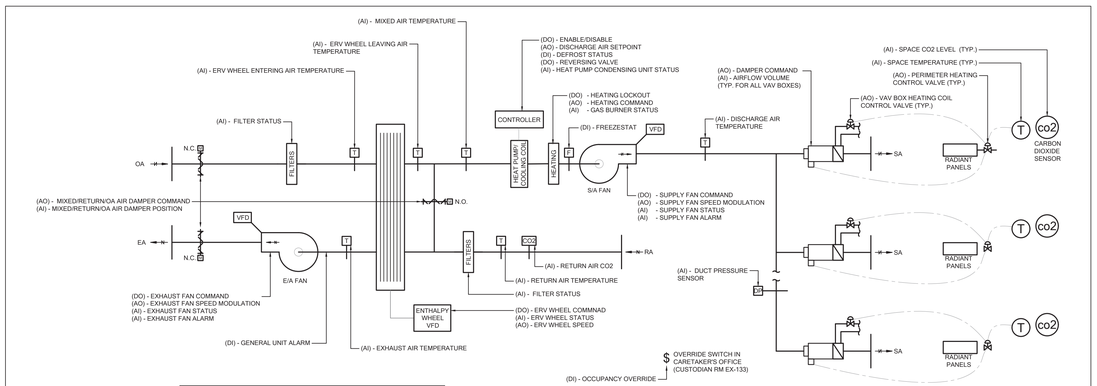
HVAC CONTROLS AND INSTRUMENTATION



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

HEAT RECOVERY UNIT 'HRU-1'

CONTROL DIAGRAM

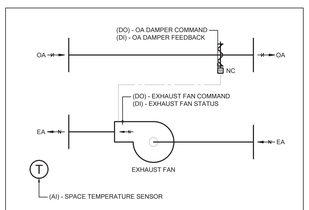


NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

REFER TO FLOOR PLANS FOR EXACT QUANTITY OF VAV BOXES, HEATING CONTROL VALVES AND TEMPERATURE SENSORS.

ROOFTOP AIR HANDLING UNITS 'RTU-1'

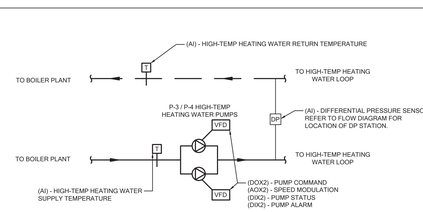
CONTROL DIAGRAM



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

EXHAUST FAN WITH MD 'ERE-1'

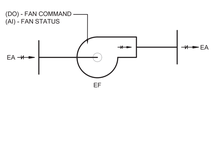
CONTROL DIAGRAM



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

SECONDARY HEATING PUMP (TYPICAL)

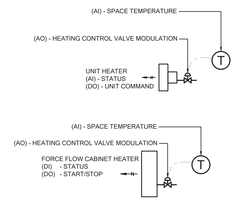
CONTROL DIAGRAM



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

EXHAUST FANS 'WE-1' & 'CRE-1'

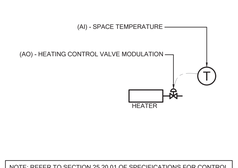
CONTROL DIAGRAM



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

TYPICAL MOTORIZED HEATER

CONTROL DIAGRAM



NOTE: REFER TO SECTION 25 20 01 OF SPECIFICATIONS FOR CONTROL SEQUENCE.

RADIANT PANELS AND WALLFIN HEATERS

CONTROL DIAGRAM

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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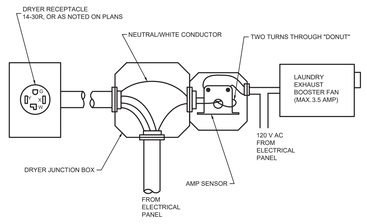
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Drawing Title:
CONTROL DIAGRAMS #1

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M700

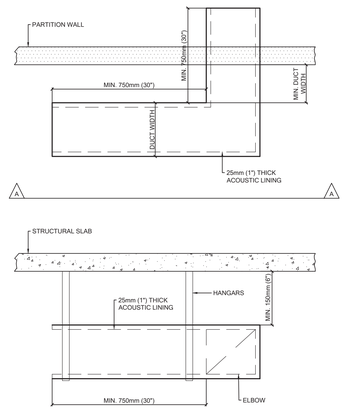


NOTES:

1. SEQUENCE OF OPERATION: THE AMP CONTROLLER SENSES WHEN A CLOTHES DRYER IS DRAWING 1.2 AMP (±20%-25%) OF CURRENT. WHEN THIS OCCURS, A RELAY CONTACT CLOSES TURNING THE DRYER VENT BOOSTER FAN "ON". WHEN CURRENT DROPS BELOW THE 2 AMP THRESHOLD THE RELAY CONTACTS OPEN, TURNING THE BOOSTER FAN "OFF".
2. MOUNT SENSOR IN A STANDARD ELECTRICAL BOX, ADJACENT TO THE JUNCTION BOX IN WHICH THE WIRES SUPPLYING POWER TO THE DRYER ARE LOCATED. PASS THE DRYER SUPPLY NEUTRAL (WHITE) WIRE THROUGH THE CENTRE OF THE AMP SENSOR DONUT. NO PHYSICAL CONNECTION IS MADE.

DRYER BOOSTER FAN CONTROL & WIRING DIAGRAM

SCALE: NTS

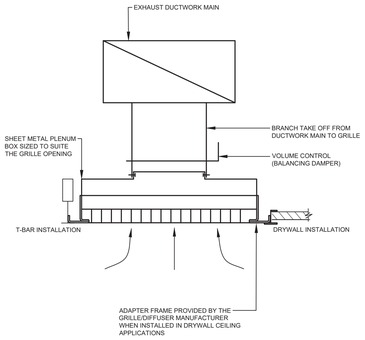


SECTION A-A

NOTES:
REFER TO FLOOR PLANS FOR QUANTITIES AND DUCT SIZES

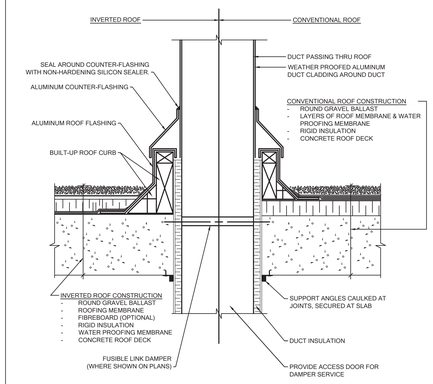
DETAIL OF TRANSFER AIR DUCT

SCALE: NTS



CEILING MOUNTED EXHAUST GRILLE INSTALLATION

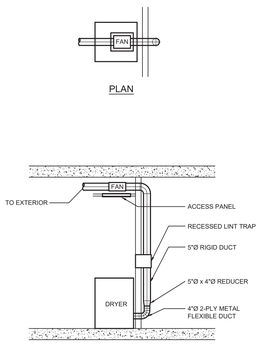
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NOTES:
1. DUCT LINING (WHERE SHOWN AND/OR SPECIFIED) SHALL CONTINUE FOR ENTIRE LENGTH OF DUCT INCLUDING PORTIONS OF DUCT LOCATED EXTERIOR TO THE BUILDING.
2. WEATHER PROOFING SHALL BE BY TWO (2) HEAVY COATS OF BITUMASTIC PAINT.

DETAIL OF DUCTWORK PASSING THROUGH ROOF

SCALE: NTS

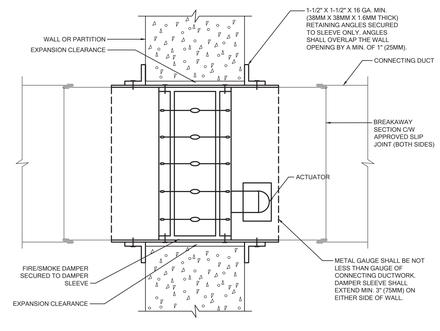


PLAN

SECTION

DETAIL OF DRYER BOOSTER FAN / LINT TRAP

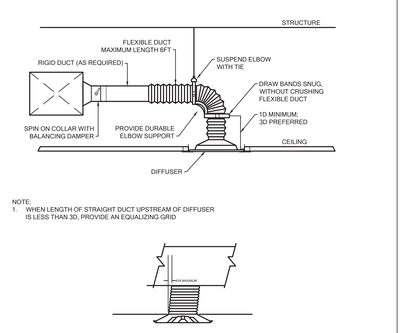
SCALE: NTS



NOTES:
1. HORIZONTAL INSTALLATION SHALL BE SIMILAR, BUT DAMPER SHALL BE C/W S.S. CLOSURE SPRING.
2. SEAL BREAKAWAY SECTIONS AFTER INSTALLATION. FOR HIGH PRESSURE INSTALLATIONS, PROVIDE DUCT TAPE ON JOINTS AFTER SEALING.

DETAIL OF COMBINATION FIRE SMOKE DAMPER INSTALLATION

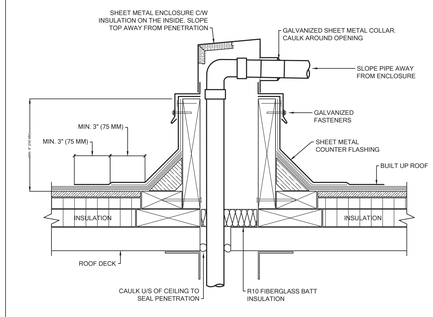
SCALE: NTS



NOTE:
1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3D, PROVIDE AN EQUALIZING GRID

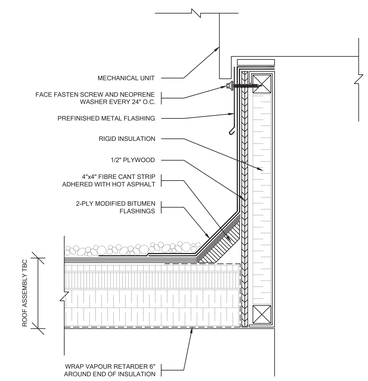
DETAIL OF FLEXIBLE DUCTWORK CONNECTION TO DIFFUSER

SCALE: NTS



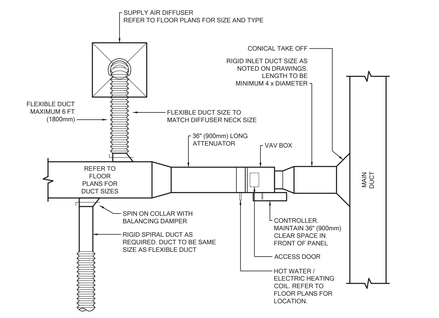
DETAIL OF PIPE PENETRATION THROUGH ROOF

SCALE: NTS



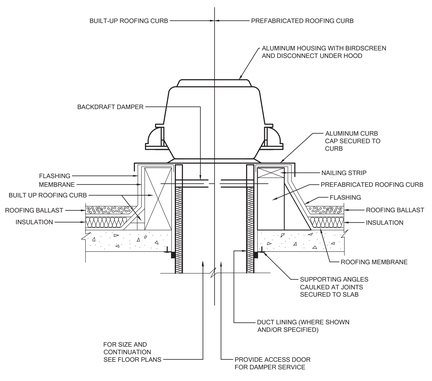
DETAIL OF PREFABRICATED ROOF CURB

SCALE: NTS



DETAIL OF VAV BOX INSTALLATION

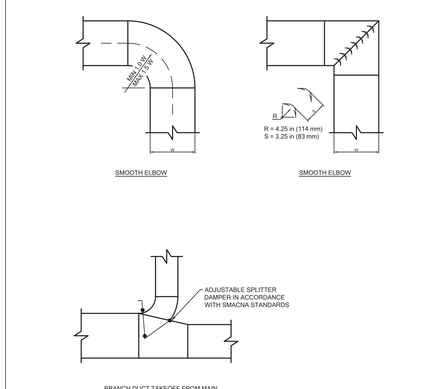
SCALE: NTS



NOTES
1. CURB SHALL RISER MINIMUM 18" (450mm) ABOVE FINISHED ROOF

TYPICAL ARRANGEMENT OF ROOF MOUNTED EXHAUST FAN

SCALE: NTS



DETAIL OF TYPICAL DUCTWORK FITTINGS

SCALE: NTS

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Key Plan N.T.S.

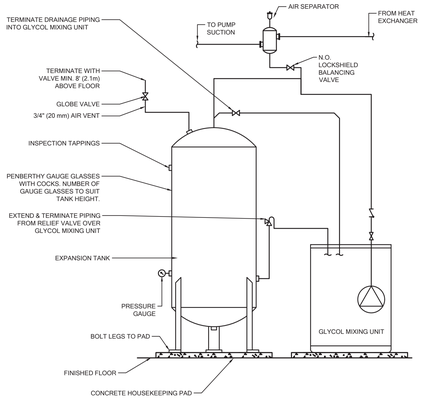
Project North | True North

No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
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No.	Issue	Date

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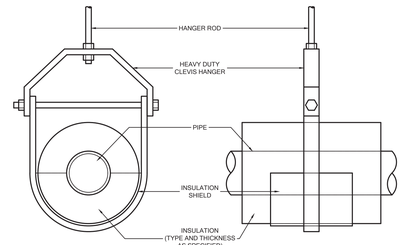
Drawing Title:
MECHANICAL DETAILS #1

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M800



DETAIL OF VERTICAL EXPANSION TANK (GLYCOL)

SCALE: NTS

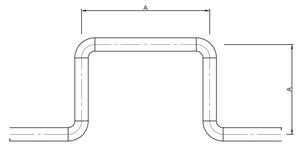


PIPE SIZE		(mm)	25	30	40	50	65	75	100	125	150	200	250	300
		(INCH)	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
HANGER SPACING (FT)	STD. STEEL	WATER	7	7	9	10	11	12	14	14	17	19	20	23
		STEAM	9	9	12	13	14	15	17	17	21	24	26	30
	COPPER	WATER	6	6	8	8	9	10	12	12	14	16	18	19
HANGER ROD DIAMETER (INCH)			1/4	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	5/8	3/4	7/8

NOTES:
1. PROVIDE A SECTION OF HIGH COMPRESSION STRENGTH INSULATION AT EACH HANGER. INSULATION MAY BE TO HALF ROUND OR FULL ROUND AND EXTEND A MINIMUM OF 50 mm (2") BEYOND INSULATION SHIELD IN EACH DIRECTION. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. INSULATION SHIELD TO BE MINIMUM 16 GA.
3. CONTRACTOR IS RESPONSIBLE TO PROVIDE AN ENGINEERED SYSTEM FOR PIPE HANGERS SUITABLE TO SUPPORT THE SIZE AND WEIGHT OF THE PIPE BEING SUPPORTED.

DETAIL OF PIPE HANGER

SCALE: NTS



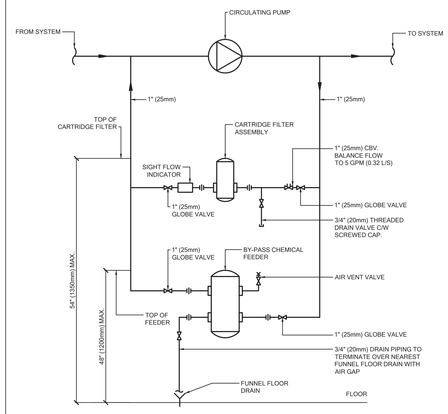
IRON PIPE SIZE, IN	WALL THICKNESS (SCHEDULE 40), IN (mm)	DIMENSION 'A' FT (m)
3/4	0.113 (2.87)	4.5 (1.4)
1	0.133 (3.38)	5.0 (1.5)
1-1/4	0.140 (3.56)	5.5 (1.6)
1-1/2	0.145 (3.68)	6.0 (1.8)
2	0.154 (3.91)	6.5 (2.0)

NOTES

1. REFER TO THE LATEST EDITION OF CSA B149 FOR FULL REQUIREMENTS, SPACING, AND INSTALLATION DETAILS.
2. SUPPORT PIPING AS REQUIRED PER CSA REQUIREMENTS.
3. PROVIDE EXPANSION JOINTS FOR PIPING LARGER THAN 2" IN DIAMETER.

DETAIL OF NATURAL GAS EXPANSION LOOP

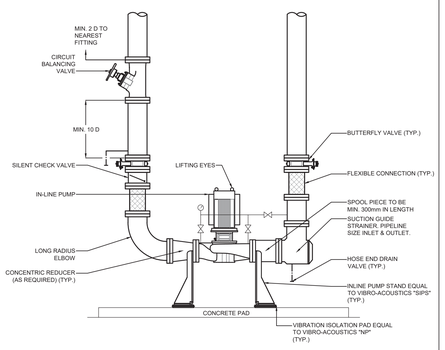
SCALE: NTS



DETAIL OF HVAC WATER TREATMENT INSTALLATION

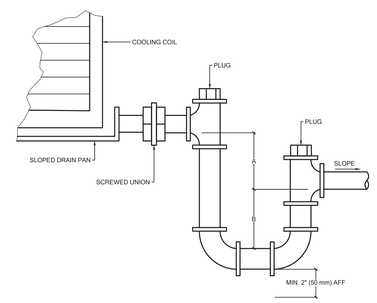
SCALE: NTS

NOTE:
1. PROVIDE LIFTING LUGS OR STEEL BEAM FOR REMOVAL OF ALL MOTORS 3.7KW (5HP) & LARGER.



DETAIL OF VERTICAL INLINE FLOOR MOUNTED PUMP

SCALE: NTS

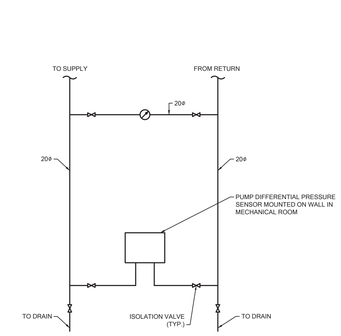


	A	B
DRAW THROUGH	CASING STATIC PRESSURE + 1" (25 mm) MINIMUM	CASING STATIC PRESSURE / 2
BLOW THROUGH	1" (25 mm) MINIMUM	CASING STATIC PRESSURE + 1" (25 mm)

NOTES:
1. BASE HEIGHT TO PROVIDE SUFFICIENT HEIGHT FOR TRAP.

DETAIL OF HVAC CONDENSATE TRAP SIZING

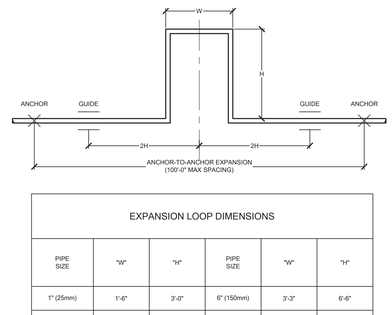
SCALE: NTS



NOTE:
1. SET PRESSURE DIFFERENTIAL SETPOINTS AS PROVIDED BY BALANCER ONCE BALANCING HAS BEEN COMPLETED.
2. PIPING CONNECTIONS TO SUPPLY & RETURN SHALL BE WITHIN MECHANICAL ROOM.

DETAIL OF VFD PUMP DIFFERENTIAL PRESSURE STATION

SCALE: NTS



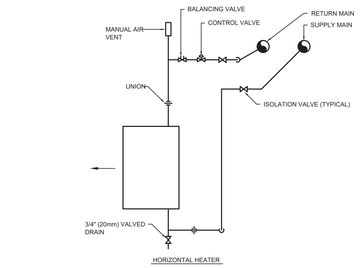
EXPANSION LOOP DIMENSIONS

PIPE SIZE	"W"	"H"	PIPE SIZE	"W"	"H"
1" (25mm)	1'-6"	3'-0"	6" (150mm)	3'-3"	6'-6"
1-1/4" (32mm)	1'-8"	3'-4"	8" (200mm)	3'-8"	7'-4"
1-1/2" (38mm)	1'-9"	3'-6"	10" (250mm)	4'-2"	8'-4"
2" (50mm)	1'-11"	3'-10"	12" (300mm)	4'-6"	9'-0"
2-1/2" (65mm)	2'-2"	4'-4"	14" (350mm)	4'-8"	9'-4"
3" (75mm)	2'-4"	4'-8"	16" (400mm)	5'-0"	10'-0"
4" (100mm)	2'-8"	5'-4"	18" (450mm)	5'-4"	10'-8"

NOTES:
1. W = L/5, H = 2W. 2H + W = L, WHERE "L" IS THE TOTAL LENGTH OF THE LOOP, CALCULATED BASED ON ALLOWABLE EXPANSION IN PIPE.
2. ABOVE DIMENSIONS ARE BASED ON CARBON STEEL PIPE WITH ANCHOR TO ANCHOR DISTANCE OF 100 FT AND RATED UP TO 200°F.

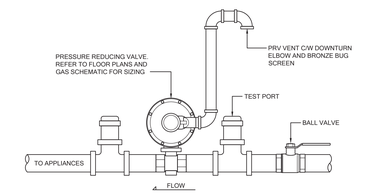
DETAIL OF STEEL PIPE EXPANSION LOOP

SCALE: NTS



DETAIL OF MOTORIZED HEATER PIPING

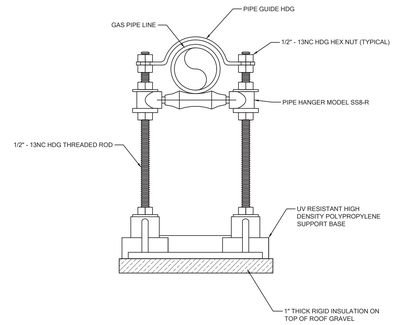
SCALE: NTS



NOTES
1. VENT ALL INDOOR PRVS TO OUTDOORS PER CSA B149.
2. TEST PORTS TO BE PROVIDED UPSTREAM AND DOWNSTREAM OF PRV.
3. LOCATE OUTDOOR PRVS A MINIMUM OF 12" FROM WALKWAYS AND 10FT FROM EQUIPMENT AIR INTAKES AND BUILDING OPENINGS.
4. INDICATE OPERATING SETPOINTS, RELIEF SETTINGS, AND VENT ARRANGEMENTS FOR EACH REGULATING STATION ON AS-BUILT RECORD DRAWINGS.
5. ALL ISOLATION VALVES ON PIPING ASSOCIATED WITH A NATURAL GAS GENERATOR ARE TO BE PROVIDED WITH A POSITION INDICATED DEVICE AND WIRED TO THE FIRE ALARM OR GENERATOR CONTROL PANEL.

DETAIL OF NATURAL GAS PRV STATION

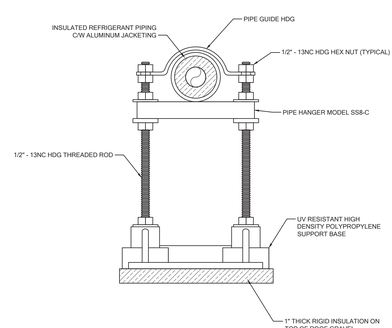
SCALE: NTS



GENERAL NOTES:
1. REFER TO MANUFACTURER'S INSTRUCTIONS AND SPECIFICATION FOR INSTALLATION REQUIREMENTS.
2. SPACING OF SUPPORTS TO MEET SPECIFICATIONS, MANUFACTURER'S REQUIREMENTS, AND CSA B149.1.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

DETAIL OF GAS PIPING SUPPORT ON ROOF

SCALE: NTS



GENERAL NOTES:
1. FOR COPPER TUBING LESS THAN 25MM (1"), PROVIDE HEAVY GAUGE GALVANIZED METAL PAN (OR EQUIVALENT) RUNNING BETWEEN POLYETHYLENE SUPPORTS (PAN SHALL BE CONSTRUCTED TO SUPPORT PEDESTRIAN LOADS). THE REFRIGERANT PIPING SHALL BE MOUNTED ON THE PAN FOR CONTINUOUS SUPPORT C/W GALVANIZED PIPE CLAMP FASTENERS
2. REFER TO MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.
3. SPACING OF SUPPORTS TO MEET SPECIFICATIONS, MANUFACTURER'S REQUIREMENTS, AND CSA B52-23.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

DETAIL OF REFRIGERANT PIPING SUPPORT ON ROOF

SCALE: NTS

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Key Plan N.T.S.

Project North / True North

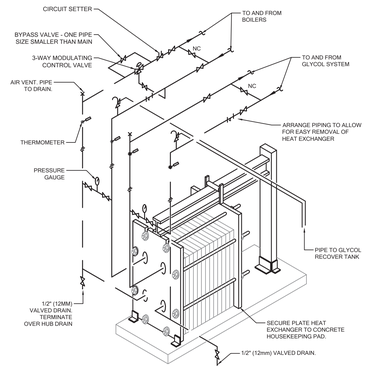
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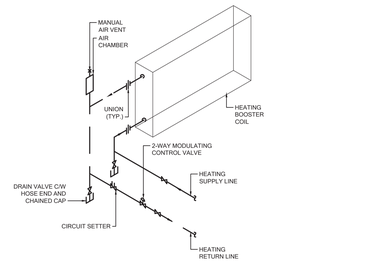
Drawing Title:
MECHANICAL DETAILS #2

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M801



DETAIL OF HEAT EXCHANGER

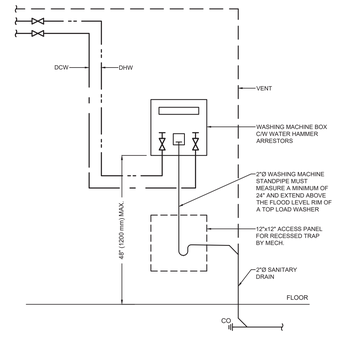
SCALE: NTS



NOTE:
1. ARRANGE PIPING AND INSTALLATION OF VALVES SUCH THAT VALVES ARE GROUPED FOR EASY MAINTENANCE.
2. SUPPORT PIPING INDEPENDENT FROM COIL.
3. VALVES FOR FANCOIL UNITS SHALL BE POSITIONED OVER EXTENDED DRAIN PAN.

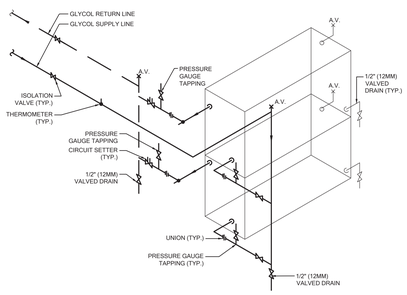
DETAIL OF BOOSTER COIL CONNECTION

SCALE: NTS



PIPING DETAIL OF WASHING MACHINE WALL BOX

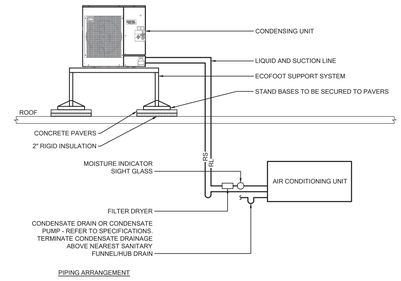
SCALE: NTS



NOTE:
1. LOCATE PIPING UNIONS TO ENSURE COIL CAN BE REMOVED WITHOUT DISTURBING BRANCH PIPING.
2. SEE EQUIPMENT SCHEDULE FOR NUMBER OF COILS IN EACH BANK.
3. PROVIDE REVERSE RETURN HEADER IF CIRCUIT SETTER IS NOT PROVIDED ON HEATING RETURN LINE COIL CONNECTION.
4. SELECT CONTROL VALVE AND CIRCUIT SETTER FOR SMOKE CONTROL OR SMOKE VENTING CONDITION.

DETAIL OF HEATING COIL PIPING CONNECTIONS

SCALE: NTS

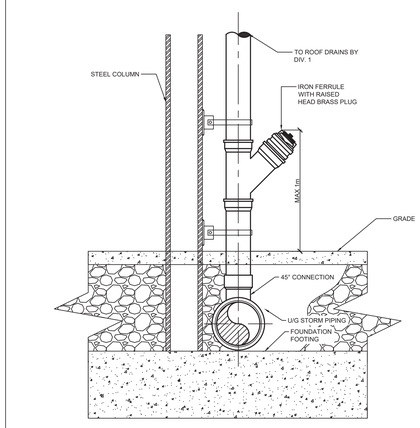


PIPING ARRANGEMENT

NOTES:
1. REFER TO COIL MANUFACTURER'S INSTRUCTIONS FOR NUMBER OF REFRIGERANT PIPES REQUIRED AND ACCESSORIES TO BE PROVIDED ON REFRIGERANT PIPING.

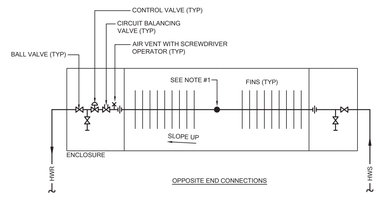
DETAIL OF CONDENSING UNIT

SCALE: NTS

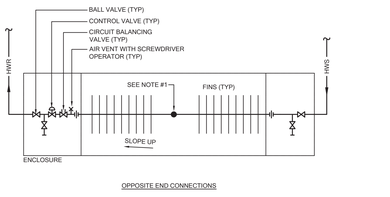


DETAIL OF RAINWATER LEADER

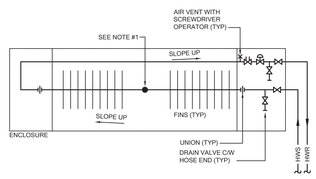
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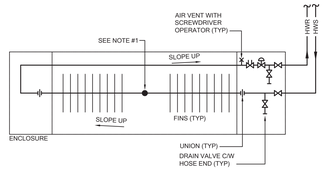
OPPOSITE END CONNECTIONS



OPPOSITE END CONNECTIONS



SAME END CONNECTIONS

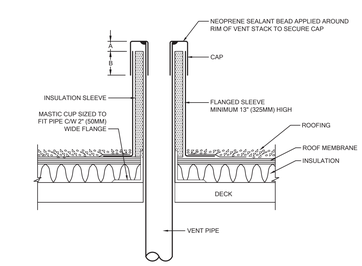


SAME END CONNECTIONS

NOTES
1. PROVIDE FOR EXPANSION & CONTRACTION WHERE MOVEMENT EXCEEDS 25mm (1"). PROVIDE EXPANSION COMPENSATORS
2. LOCATE VALVES AT ACCESS PANEL. PROVIDE 300mm (12") REMOVABLE COVERS ON ENCLOSURE.
3. PROVIDE ECCENTRIC REDUCERS AT ELEMENT ASSEMBLY INLET & OUTLET AS REQUIRED.

TYPICAL CONNECTIONS FOR SINGLE ROW FINNED TUBE RADIATION (UPFEED & DOWNFEED)

SCALE: NTS



NOTES:
1. FLASHING BY ROOF.
2. COUNTER FLASHING/SLEEVE BY MECHANICAL TRADE.
3. DIMENSION A = 1" (25MM) MINIMUM, B = 1"- 3" (25MM - 75MM) OVERLAP.

DETAIL OF VENT STACK COVER

SCALE: NTS

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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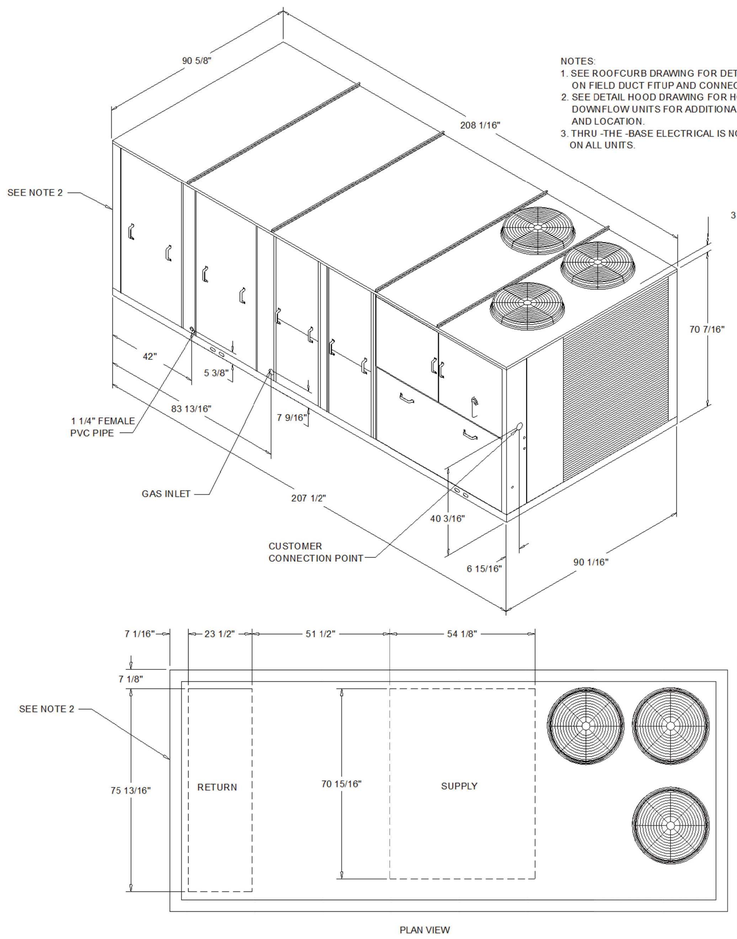
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Drawing Title:
MECHANICAL DETAILS #3

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M802

Job Name: RDZ - SMCDSB Notre Dame RTU
Prepared For:

Unit Tag: VOYAGER3-1
Quantity: 1



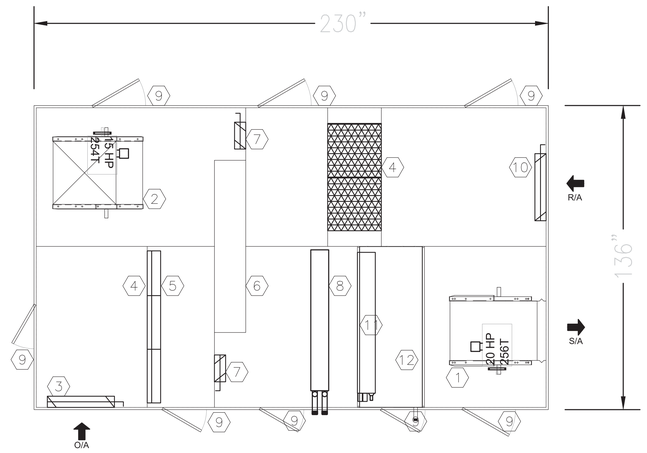
PLAN VIEW

NOTES:
1. SEE ROOFCURB DRAWING FOR DETAILS ON FIELD DUCT FITUP AND CONNECTIONS
2. SEE DETAIL HOOD DRAWING FOR HORIZONTAL / DOWNFLOW UNITS FOR ADDITIONAL DIMENSION AND LOCATION.
3. THRU -THE -BASE ELECTRICAL IS NOT STANDARD ON ALL UNITS.

DOWNFLOW SUPPLY AND UPFLOW RETURN CONFIGURATION

DIMENSIONAL DRAWING

DETAIL OF RTU-1
SCALE: NTS



1. S/A FAN & MOTOR ASS'Y
2. E/A FAN & MOTOR ASS'Y
3. O/A DAMPERS C/W ACTUATOR
4. 2" MERV8 FILTERS
5. 4" MERV13 FILTERS
6. HEAT RECOVERY WHEEL
7. HRW BYPASS DAMPERS
8. HOT WATER COIL
9. ACCESS DOOR
10. R/A DAMPER C/W ACTUATOR
11. DX COIL
12. DRAIN PAN

DETAIL OF HRU-1
SCALE: NTS

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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Key Plan N.T.S.

Project North | True North

No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
ROOFTOP UNIT DETAILS

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M803

SCHEDULE OF VARIABLE AIR VOLUME BOXES

UNIT DESIGNATION	AREA SERVED	MANUFACTURER	MODEL	UNIT SIZE	AIRFLOW RANGE (L/S)		INLET SIZE (MM)	ATTENUATOR LENGTH (MM)	DISCHARGE NC	HEATING COIL			REMARKS
					MIN.	MAX.				CAPACITY (KW)	WATER FLOW (L/S)	AIR TEMP. RISE (°C)	
VAV-108	CORRIDOR 108	E.H. PRICE	SDV5000	6	120	200	150	900	23	2.0	0.04	19	
VAV-110	STAFF WORK ROOM 110	E.H. PRICE	SDV5000	10	200	340	250	900	21	2.6	0.06	11	
VAV-111	CLASSROOM 111	E.H. PRICE	SDV5000	10	255	420	250	900	21	3.4	0.07	11	
VAV-112	CLASSROOM 112	E.H. PRICE	SDV5000	10	255	420	250	900	21	3.4	0.07	11	
VAV-113	CLASSROOM 113	E.H. PRICE	SDV5000	10	255	420	250	900	21	3.4	0.07	11	
VAV-114	CLASSROOM 114	E.H. PRICE	SDV5000	10	255	420	250	900	21	3.4	0.07	11	
VAV-115	CLASSROOM 115	E.H. PRICE	SDV5000	10	255	450	250	900	21	3.4	0.07	11	
VAV-116	CLASSROOM 116	E.H. PRICE	SDV5000	10	255	450	250	900	21	3.4	0.07	11	
VAV-117	CLASSROOM 117	E.H. PRICE	SDV5000	10	255	450	250	900	21	3.4	0.07	11	
VAV-118	CLASSROOM 118	E.H. PRICE	SDV5000	10	255	450	250	900	21	3.4	0.07	11	

NOTES

1. ALL VAV BOXES SHALL BE PROVIDED WITH DEDICATED ROOM TEMPERATURE SENSOR
2. PRESSURE INDEPENDENT COMPLETE WITH CROSS FLOW SENSOR.
3. DDC CONTROLLER/ACTUATOR SHALL BE SUPPLIED BY CONTROLS CONTRACTOR AND INSTALLED BY VAV BOX MANUFACTURER.
4. HEATING COIL DESIGN IS BASED ON 82°C/71°C (EWT/LWT).
5. LOCATION OF CONTROLS ON VAV BOX (RIGHT HAND / LEFT HAND) ARE SHOWN ON FLOOR PLANS AND ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING.

SCHEDULE OF RADIANT CEILING PANELS

TAG	MANUFACTURER	PANEL WIDTH (mm)	PANEL OUTPUT (KW/M)	AVERAGE WATER TEMPERATURE (°C)	# OF TUBES	REMARKS
RP-A	AIRTEX	762	0.44	77	6	
RP-B	AIRTEX	406	0.26	77	4	

NOTES

1. CAPACITIES BASED ON AIR TEMPERATURE OF 21.1°C (70°F) AND TEMPERATURE DROP OF 11.1°C (20°F).
2. RADIANT CEILING PANELS ARE TO EXTEND FULL WIDTH OF WALL WITHIN SPACES. LENGTHS SHOWN ON FLOOR PLANS REFER TO ACTIVE LENGTH.

SCHEDULE OF GRILLES AND DIFFUSERS

TYPE	MANUFACTURER	MODEL	DESCRIPTION	VOLUME CONTROL	FINISH	OPTIONS	REMARKS
A	E.H. PRICE	SCD	SQUARE CONE DIFFUSER	YES	TO ARCH. DIRECTION	SIZE: 24"x24" (600mm x 600mm) FRAME: 31 T-BAR LAY IN	REFER TO FLOOR PLANS FOR NECK SIZE AND AIRFLOWS.
B	E.H. PRICE	80	EGG CRATE EXHAUST	YES	TO ARCH. DIRECTION	DUCTED: F BORDER	REFER TO FLOOR PLANS FOR SIZE OF GRILLES.
C	E.H. PRICE	80	EGG CRATE RETURN	NO	TO ARCH. DIRECTION	NON-DUCTED: CORE	REFER TO FLOOR PLANS FOR SIZE OF GRILLES.
D	E.H. PRICE	LBP	LINEAR BAR GRILLE	NO	TO ARCH. DIRECTION	CORE: 25C PENCIL PROOF 11MM SPACING	REFER TO FLOOR PLANS FOR SIZE OF GRILLES.

NOTES

1. CONFIRM FINISH WITH ARCHITECT PRIOR TO ORDER
2. REFER TO DRAWINGS FOR QUANTITIES.

SCHEDULE OF MOTORIZED UNIT HEATERS

TAG	MANUFACTURER	MODEL	LOCATION	CAPACITY (kW)	AIRFLOW (L/S)	WATER (L/S)	EWT (°C)	LWT (°C)	EAT (°C)	MOTOR		REMARKS
										FLA	VOLTAGE	
CUH-1	ENGINEERED AIR	CUH-6	VEST. 100	12.1	283	0.26	82	71	16	1.2	120/1/60	RECESSED WALL MOUNTD, ARRANGEMENT 16
CUH-2	ENGINEERED AIR	CUH-6	VEST. 102	12.1	283	0.26	82	71	16	1.2	120/1/60	RECESSED WALL MOUNTD, ARRANGEMENT 16
CUH-3	ENGINEERED AIR	CUH-6	VEST. 101	12.1	283	0.26	82	71	16	1.2	120/1/60	RECESSED WALL MOUNTD, ARRANGEMENT 16
UH-1	ENGINEERED AIR	H-1	107 EQUIP. STOR.	8.6	260	0.19	82	71	16	1.6	120/1/60	CEILING HUNG

NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF WALLFIN HEATERS

TAG	MANUFACTURER	MODEL	ENCLOSURE HEIGHT (mm)	ROWS	DISTANCE BETWEEN ROWS (mm)	ENCLOSURE WIDTH (mm)	CAPACITY (KW/M)	AVERAGE WATER TEMPERATURE (°C)	MOUNTING HEIGHT (MM)	REMARKS
WF-A	ENGINEERED AIR	WF-1A	610	2	152	125	1.75	77	100	
WF-B	ENGINEERED AIR	WF-1B	305	1	-	125	1.01	77	HIGH LEVEL	SLOPED TOP/BOTTOM
WF-C	ENGINEERED AIR	ELEMENT	BARE ELEMENT	2	152	-	1.71	77	-	WITHIN MILLWORK

NOTES

1. CAPACITIES BASED ON ENTERING AIR TEMPERATURE OF 18.3°C (65°F).
2. LENGTHS SHOWN ON FLOOR PLANS REFER TO ACTIVE FIN LENGTH.
3. REFER TO DRAWINGS FOR QUANTITY, CAPACITY, LOCATION, AND TYPE OF WALLFINS.

SCHEDULE OF AIR SEPARATORS

TAG	SYSTEM	LOCATION	MANUFACTURER (OR EQUAL)	MODEL	MAX FLOW RATE (L/S)	OUTLET SIZE (MM)	REMARKS
AS-1	HEATING GLYCOL	MECHANICAL ROOM 200	TACO	4904A-125	12.9	100	

NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF VIBRATION ISOLATION

EQUIPMENT	MANUFACTURER (OR EQUAL)	SIZE (MM)	TYPE OF ISOLATION	STATIC DEFLECTION (MM)	REMARKS
VERTICAL IN-LINE PUMPS	VIBRO ACOUSTICS	-	SIPS + NSN	4.25	

NOTES

1. NSN - NEOPRENE/STEEL/NEOPRENE PAD
2. SHR - SPRING HANGER
3. CSR - RESTRAINED SPRING FLOOR MOUNT
4. NPSNPS - NEOPRENE/STEEL/NEOPRENE/NEOPRENE/STEEL PAD
5. SIPS - SEISMIC INLINE PUMP STAND

SCHEDULE OF GLYCOL MIXING UNIT

TAG	MANUFACTURER (OR EQUAL)	MODEL	SYSTEM SERVED	SIZE DIA. x HEIGHT (IN)	TANK VOLUME (GALLON)	POWER (V/PH/HZ)	PRESSURE RANGE (PSI)	PUMP FLOW (GPM)	CONNECTION SIZE (IN)	REMARKS
GMU-1	CALEFACTIO	GMPLC55	CHILLED GLYCOL	24Ø x 48	55	120/1/60	0-60	1.6	1/2	

NOTES

1 REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SCHEDULE OF EXPANSION TANKS

TAG	SYSTEM	LOCATION	MAKE (OR EQUAL)	MODEL	TYPE	SIZE DIA. x LENGTH (IN)	WEIGHT (LBS)	VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	RELIEF PRESSURE (PSI)	REMARKS
ET-2	HEATING GLYCOL	MECHANICAL RM. 200	TACO	CA90-125	VERTICAL BLADDER	16"Ø x 29"	120	23	23	60	

NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF AIR HANDLING UNITS

TAG	MANUFACTURER	MODEL	LOCATION	AREA SERVED	WEIGHT	DIMENSIONS			CURB HEIGHT	DESIGN AIRFLOW	OUTDOOR AIR		AIR FILTRATION		DX COOLING								GAS HEATING						HYDRONIC HEATING COIL									HEAT PUMP HEATING (BASED ON -8.3°C OAT)				REMARKS
						WIDTH	LENGTH	HEIGHT					PRE-FILTER	FINAL FILTER	EVAPORATOR						OAT (°C)	FUEL		TURNDOWN	INPUT	OUTPUT	EAT (°C)	LAT (°C)	OAT (°C)	MEDIUM	CAPACITY	FLOW	WPD	EGT (°C)	LGT (°C)	EAT (°C)	LAT (°C)	OAT (°C)	CAPACITY	EAT (°C)	LAT (°C)	COP	
															CAPACITY (KW)		EAT (°C)		LAT (°C)			TYPE	PRESSURE																		
															SENSIBLE	TOTAL	DB	WB	DB	WB	DB		(IN. WC)		(KW)	(KW)	DB	DB	DB		KW	L/S	KPA			DB	DB	DB	KW	DB	DB		
					(KG)	(MM)	(MM)	(MM)	(MM)	(L/S)	(L/S)	%																														
RTU-1	TRANE	YCD330DEP-0B1CE8 00C-E-HJB0M00R0A 00-0000X	ROOF	ADDITION	3,140	2286	5283	1791	450	4,000	2.125	53	-	100MM PLEATED MERV14	65.0	94.3	24.7	18.3	11.0	11.0	29	NATURAL GAS	7"-14" W.C.	10:1	176	142	-3.3	26.1	-25	NO HYDRONIC HEATING COIL								63.8	6.1	19.2	3.41	ROOFTOP UNIT
HRU-1	ENVENT	EAH-16/HRW/HW	MECH. RM 200	EXISTING SCHOOL	8,410	3454	5842	2362	-	7,550	7,550	100	50MM PLEATED MERV8	100MM PLEATED MERV13	71.8	106.2	26.1	18.9	18.3	15.0	29	NO GAS HEATING							50% PROP. GLYCOL	436.5	7,550	34.1	71.1	60.0	-25	22.8	-25	162.0	7.2	24.9	-	

NOTES

1. INCLUDE ALL MAP OR OTHER TOOLS REQUIRED FOR SERVICE OF UNIT.
2. EACH UNIT SHALL BE COMPLETE WITH A SINGLE POINT POWER CONNECTION AND TERMINAL STRIP READY.
3. EACH FAN SHALL BE COMPLETE WITH INTERNAL VIBRATION ISOLATION SPRINGS AND FLEXIBLE CONNECTIONS.
4. FAN MOTORS FOR UNITS IDENTIFIED WITH "VFD" SHALL BE PREMIUM EFFICIENCY INVERTER DUTY RATED.
5. HEATING SIZED ASSUMING ENERGY RECOVERY WHEEL IS NOT OPERATIONAL.
6. COMPLETE WITH AIR SIDE ECONOMIZER.
7. PROVIDE FIELD WIRED SERVICE RECEPTACLE FOR ALL ROOF MOUNTED UNITS. RECEPTACLE SHALL BE 20A, GFI PROTECTED AND INSTALLED WITH WEATHERPROOF ENCLOSURE.
8. PROVIDE SIX (6) FULL SETS OF REPLACEMENT FILTERS WITH UNIT.
9. ENERGY RECOVERY WHEELS SHALL BE PROVIDED WITH VFD FOR VARIABLE SPEED OPERATION.
10. INDOOR AIR HANDLING UNITS ARE TO BE PROVIDED AS KNOCKDOWN CONSTRUCTION FOR DELIVERY INTO MECHANICAL ROOM.
11. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SCHEDULE OF AIR HANDLING UNITS (CONT'D)

TAG	ENERGY RECOVERY PERFORMANCE (WINTER)					ENERGY RECOVERY PERFORMANCE (SUMMER)					SUPPLY FAN										EXHAUST FAN										ELECTRICAL				REMARKS
	AIRFLOW	AIR TEMP.		APD	ENERGY RECOVERY	EFF	AIRFLOW	AIR TEMP.		APD	ENERGY RECOVERY	EFF	AIRFLOW	ESP	TSP	FAN RPM	BHP	MOTOR HP	VFD	SOUND POWER LEVELS, dB								AIRFLOW	ESP	TSP	FAN RPM	BHP	MOTOR HP	VARIABLE SPEED	SOUND POWER LEVELS, dB											
		EAT	LAT					EAT	LAT											OCTAVE BAND CENTER FREQUENCY, HZ															OCTAVE BAND CENTER FREQUENCY, HZ								FLA	MCA	MOCP	POWER (V/PH/HZ)	
	(L/S)	DB/WB (°C)	DB/WB (°C)	(Pa)	(kW)	(%)	(L/S)	DB/WB (°C)	DB/WB (°C)	(Pa)	(kW)	(%)	(L/S)	(PA)	(PA)					63	125	250	500	1000	2000	4000	8000	(L/S)	(PA)	(PA)					63	125	250	500	1000	2000	4000	8000					
RTU-1	2,125	-25.0 / -25.0	9.8 / 7.0	115	126.6	75	2,125	29 / 23	25.3 / 19.1	115	34.2	68	4,000	250	648	668	5.4	7.5	YES	87	83	80	82	74	71	67	63	2,125	125	-	-	-	-	ECM	89	78	68	70	65	59	55	50	-	182	200	208/3/60	
HRU-1	7,550	-25.0 / -25.0	8.7 / 3.8	160	367.4	72	7,550	29 / 23	26.2 / 19.0	198	120.7	71	7,550	250	985	1738	15.6	20	YES	-	-	-	-	-	-	-	-	7,950	250	663	761	13.83	15	VFD	-	-	-	-	-	-	-	-	-	112.9	150	208/3/60	

SCHEDULE OF VARIABLE REFRIGERANT FLOW CONDENSING UNITS

TAG	MANUFACTURER	MODEL	# OF MODULES	LOCATION	UNIT SERVED	REFRIGERANT TYPE	WEIGHT	DIMENSIONS			COOLING					HEATING		ELECTRICAL				REMARKS
								WIDTH	LENGTH	HEIGHT	CAPACITY		# OF CIRCUITS	REFRIGERANT CHARGE	OAT (°C)	CAPACITY	OAT (°C)	MODULE MODEL NO.	MCA	MOCP	POWER (V/PH/HZ)	
							(KG)	(MM)	(MM)	(MM)	NOMINAL TONS	KW		KG	DB	KW	DB					
CU-1	LG	ARUM504BTE5	3	ROOF	HRU-1 COIL	R410A	824	762	3721	1689	42	147.7	5	15.5	29	166.1	8.3	ARUM121BTE5	30.9	40	208/3/60	
																		ARUM168BTE5	53.6	70	208/3/60	
																		ARUM216BTE5	60.3	80	208/3/60	

NOTES

1. EACH MODULE SHALL BE COMPLETE WITH A SINGLE POINT POWER CONNECTION.
2. UNIT TO BE PROVIDED WITH VIBRATION ISOLATION.
3. UNIT TO BE PROVIDED WITH CONTROLLER CAPABLE OF INTEGRATION WITH EXISTING BUILDING AUTOMATION SYSTEM.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SCHEDULE OF SILENCERS

TAG	MANUFACTURER	SYSTEM	MODEL NUMBER (NOTE 1)	DIMENSIONS			AIRFLOW	VELOCITY (NOTE 3)	PD (NOTE 4)	MAX. PD W/ SYSTEM EFFECT (NOTE 5)	HTL CASING EQUIV. GAUGE	MINIMUM DYNAMIC INSERTION LOSS, dB (NOTE 5)								REMARKS
				DUCT WIDTH	DUCT HEIGHT	DUCT LENGTH (NOTE 2)						OCTAVE BAND CENTER FREQUENCY, HZ								
												63	125	250	500	1000	2000	4000	8000	
				MM	MM	MM	L/S	M/S	PA	PA										
SL-1S	VIBRO-ACOUSTICS	RTU-1 SUPPLY	RED-HV-A1274140	450	1300	1800	4,000	7	38	50	12	8	11	15	24	24	26	23	18	
SL-1R	VIBRO-ACOUSTICS	RTU-1 RETURN	RED-UHV-A1274140	450	1300	3300	4,000	-7	24	53	12	11	19	20	28	43	32	22	22	

NOTES

1. TYPE: RE- RECTANGULAR ELBOW; D- DISSIPATIVE; EX- EXTENDED CASING; MB- MOLDBLOCK MEDIA
2. LENGTH SHOWN FOR ELBOW SILENCERS IS CENTERLINE LENGTH. LEG LENGTHS OF SILENCER ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING.
3. VELOCITY SHOWN IS + (FORWARD FLOW) OR - (REVERSE FLOW) AS DEFINED BY ASTM E477-20.
4. IDEAL PRESSURE DROP AS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY. PRESSURE DROP PER ASTM E477-20 PLUS SYSTEM EFFECTS FOR NEARBY DUCT ELEMENTS.
5. MINIMUM DYNAMIC INSERTION LOSS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY.
6. MEDIA SHALL BE VIBRO-ACOUSTICS® MOLDBLOCK MEDIA™ CONTAINING 100% NATURAL COTTON FIBERS TREATED WITH AN EPA REGISTERED, NON-TOXIC BORATE SOLUTION, "FLASH DRIED" TO PROVIDE RESISTANCE TO MOLD, MILDEW AND FUNGI. MEDIA SHALL COMPLY WITH UL181 AND NFPA 90A. MODLBLOCK MEDIA™ SHALL BE PACKED WITH A MINIMUM OF 15% COMPRESSION DURING SILENCER ASSEMBLY. MEDIA SHALL NOT CAUSE OR ACCELERATE CORROSION OF ALUMINUM OR STEEL.
7. MANUFACTURER SHALL PROVIDE PROFESSIONAL ENGINEER STAMPED ACOUSTICAL CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT DUCTBORNE FAN SOUND LEVELS, INCLUDING AIRBORNE AND BREAKOUT NOISE, MEET THE REQUIRED CRITERIA.
8. MANUFACTURER SHALL PROVIDE, FOR APPROVAL, PROFESSIONAL ENGINEER STAMPED PRESSURE DROP CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT INSTALLED PRESSURE DROP WITH SYSTEM EFFECTS DOES NOT EXCEED SCHEDULED VALUES.
9. SILENCER PERFORMANCE AND SELECTIONS ARE TO BE CONFIRMED WITH APPROVED ROOFTOP UNIT SHOP DRAWINGS PRIOR TO ORDERING TO MEET THE BELOW NOISE CRITERIA:
   - CLASSROOMS: NC-35
   - CORRIDORS: NC-40

SCHEDULE OF PLATE AND FRAME HEAT EXCHANGERS

TAG	MANUFACTURER	MODEL	LOCATION	CAPACITY (KW)	EFFECTIVE HEAT SURFACE (M2)	HOT SIDE					COLD SIDE					REMARKS
						MEDIUM	FLOW (L/S)	EWT (°C)	LWT (°C)	P.D (KPA)	CONNECTION SIZE (MM)	MEDIUM	FLOW (L/S)	EWT (°C)	LWT (°C)	P.D (KPA)	CONNECTION SIZE (MM)	
HEX-1	TACO	PF 4206-31-4-NH	MECH RM. 200	448.9	6.06	WATER	9.95	82.2	71.1	27.7	75	30% P.G.	10.73	60.0	71.1	38.9	75	

NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

SCHEDULE OF HEATING WATER PUMPS

TAG	SYSTEM	NO. REQ'D	OPERATION	LOCATION	MANUFACTURER	MODEL	FLANGE SIZE (MM)	WEIGHT (KG)	FLOW (L/S)	HEAD (KPA)	RPM	MOTOR BHP	MOTOR HP	VARIABLE SPEED	POWER (V/Ø/Hz)	REMARKS
P-3 & P-4	HIGH-TEMPERATURE HEATING	2	DUTY-STANDBY	MECH. ROOM 200	TACO	KS3009O	75	170	16.40	180	1760	5.17	7.5	YES	208/3/60	SPLIT-COUPLED
P-5 & P-6	HRU-1 GLYCOL HEATING	2	DUTY-STANDBY	MECH. ROOM 200	TACO	KV3007D	75	108	10.75	120	1760	2.17	3	NO	208/3/60	CLOSE-COUPLED

NOTES

1. PUMP TO BE MOUNTED ON STAND EQUAL TO VIBRO-ACOUSTICS MODEL SIPS. REFER TO DETAILS.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

LOOSE MOTOR STARTER SCHEDULE

ITEM NO.	DESCRIPTION	MOTOR HP	FULL LOAD (AMPS)	COMBINATION STARTER & DISCONNECT				MODIFICATIONS						BRANCH FEEDERS		WP DISCONNECT AT MOTOR	DISCONNECT AT MOTOR	DISCONNECT ONLY	F.A. SHUT DOWN	REMARKS
				FUSED DISC.		STARTER		CONTROL TRANSFORMER (24V)	START/STOP PUSH BUTTON	H.O.A. SELECTOR SWITCH	PILOT LIGHT	AUX. CONT.		CABLE OR BUS	CONDUIT SIZE					
				REQUIRED	FUSE	SIZE	TYPE					NORMALLY OPEN	NORMALLY CLOSED							
P-5	HRU-1 GLYCOL HEATING	3	-	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	208/3/60
P-6	HRU-1 GLYCOL HEATING	3	-	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	208/3/60
CUH-1	VEST. 100	1/20	1.2	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
CUH-2	VEST. 102	1/20	1.2	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
CUH-3	VEST. 101	1/20	1.2	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
UH-1	107 EQUIP. STOR.	1/20	1.6	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
CRE-1	CUST. RM 106 EXHAUST	1/15	1.3	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	YES	-	-	-	115/1/60
DE-1	DRYER EXHAUST	1/10	0.8	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
ERE-1	EQUIPMENT STOR. EXHAUST	0.06	1.5	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	-	YES	-	-	115/1/60
WE-1	UNIV. WR 105 EXHAUST	1/15	1.3	NOTE 2	NOTE 2	1	FVNR	YES	-	YES	YES	2	2	NOTE 2	NOTE 2	YES	-	-	-	115/1/60

NOTES

1. ALL STARTERS TO BE COMPLETE WITH EXTERNAL OVERLOAD RESET PUSH BUTTONS.
2. REFER TO ELECTRICAL FLOOR PLANS, PANEL SCHEDULES, AND SINGLE LINE DIAGRAM FOR ELECTRICAL REQUIREMENT SUCH AS FUSE SIZE, CIRCUIT, BRANCH FEEDER, BREAKER REQUIREMENT.

SCHEDULE OF MISCELLANEOUS FANS

TAG	MANUFACTURER	MODEL	LOCATION	AREA SERVED	WEIGHT (KG)	DESIGN AIRFLOW	ESP	RPM	BHP	MOTOR HP	ELECTRICAL		REMARKS
											MCA	POWER	
						(L/S)	(PA)				(A)	(V/PH/HZ)	
CRE-1	GREENHECK	G-060-VG	ROOF	CUSTODIAN ROOM 106 EXHAUST	16	55	85	1725	0.02	1/15	1.6	115/1/60	1,3,5
DE-1	REVERSOMATIC	RI-250	E235 RECEIVING	DRYER EXHAUST	-	75	125	1290	-	1/10	0.8	115/1/60	2, 4
ERE-1	GREENHECK	CSP-A390-VG	EQUIPMENT STORAGE 107	EQUIPMENT STORAGE EXHAUST	11	105	125	1250	0.06	-	1.9	115/1/60	2, 5
WE-1	GREENHECK	G-060-VG	ROOF	UNIVERSAL WR 105 EXHAUST	16	50	85	1725	0.02	1/15	1.6	115/1/60	1,3,5

NOTES

1 C/W 450MM HIGH ROOF CURB.
2 INLINE FANS SHALL BE PROVIDED WITH NSN TYPE MOUNTING HANGARS.
3 C/W BACKDRAFT DAMPER
4 C/W DAS-200 AMP SENSOR FAN CONTROL AND LT-300-45 LINT TRAP
5 DIRECT DRIVE FANS ARE TO BE PROVIDED WITH SPEED CONTROLLER.

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Key Plan N.T.S.

Project North / True North

No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR 30%	2025-12-16
No.	Issue	Date

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.
General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
MECHANICAL SCHEDULES #1

Scale:	N.T.S.	Date:	November 2026
Drawn by:	MH	Checked by:	GR
Job No.	25092	Drawing No.	M900

NOTES: (RE-DEMOLITION LAYOUT)

1. DEMOLITION OF EXISTING MATERIALS AND/OR EQUIPMENT AS SHOWN ON DRAWINGS BY ELECTRICAL CONTRACTOR. WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH APPLICABLE PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
2. DISCONNECT AND REMOVE ALL EQUIPMENT DESIGNATED FOR REMOVAL, RECONNECT ALL EQUIPMENT WHERE REQUIRED AND DISCONNECT AND CAP, OR ARRANGE FOR DISCONNECTING AND CAPPING, ALL MAIN SERVICES IN ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION.
3. ALL MATERIALS AND/OR EQUIPMENT DESIGNATED FOR SALVAGE SHALL BE TURNED OVER TO THE OWNER. ALL OTHER MATERIALS AND/OR EQUIPMENT DESIGNATED FOR REMOVAL BECOMES THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. UNDER NO CIRCUMSTANCES SHALL THE MATERIALS AND/OR EQUIPMENT BE SOLD DIRECTLY FROM THE SITE.
4. CONTACT OWNER PRIOR TO ANY DEMOLITION WORK. THE OWNER WILL DESIGNATE WHICH EQUIPMENT AND/OR MATERIALS ARE TO BE SALVAGED. DEMOLITION WORK IS TO PROCEED ONLY AFTER OWNER'S APPROVAL HAS BEEN OBTAINED.
5. FOR EXACT LOCATION OF MECHANICAL EQUIPMENT WHICH SHALL BE REMOVED, COORDINATE WITH MECHANICAL DIVISION DRAWINGS.
6. FOR ALL EXISTING EQUIPMENT WHICH SHALL BE REMOVED, ELECTRICAL CONTRACTOR SHALL MAKE WIRING SAFE.
7. FOR EXACT LOCATION OF ALL EXISTING EQUIPMENT COORDINATE ON SITE.
8. MAKE REMAINING WIRING SAFE AND REMOVE ALL REDUNDANT CONDUITS AND WIRES BACK TO PANEL OF ORIGIN. ADJUST ALL EXISTING WIRING TO ACCOMMODATE LAYOUT CHANGES AND TO KEEP OPERATIONAL EXISTING ELECTRICAL EQUIPMENT AND DEVICES.
9. COORDINATE WITH OWNER THE DISPOSAL OF ALL REDUNDANT DEVICES AND/OR MATERIALS RESULTED FROM ELECTRICAL DEMOLITION.
10. VISIT SITE, EXAMINE EXISTING CONDITIONS, FULLY UNDERSTAND THE FUNCTIONING OF THE SYSTEM DESCRIBED AND SPECIFIED UNDER THIS SECTION. IF IN DOUBT, CONTACT ENGINEER BEFORE SUBMITTING THE TENDER PRICE. NO ALLOWANCE WILL BE ALLOWED LATER DUE TO FAILURE OF THIS DIVISION TO MAKE THIS EXAMINATION.
11. EXISTING ELECTRICAL EQUIPMENT WHICH BECOMES REDUNDANT SHALL BE COMPLETELY DISCONNECTED AND REMOVED FROM THE SITE.
12. FOR EXISTING EQUIPMENT WHICH SHALL BE RELOCATED ADJUST CONDUITS AND WIRES TO SUIT. EXISTING EQUIPMENT TO REMAIN ARE SHOWN FOR CLARIFICATION ONLY.
13. WHENEVER EXISTING ELECTRICALLY OPERATED EQUIPMENT IS REMOVED FROM ITS PRESENT LOCATION OR RE-INSTALLED ELSEWHERE, REMOVE REDUNDANT EXISTING CONDUITS, BOXES, CABLES, FIXTURES. ETC. OPENINGS IN BOXES, RACEWAYS, PANELS, ETC. WHICH MAY RESULT FROM SUCH REMOVAL OF EQUIPMENT, SHALL BE CLOSED IN PROPER MANNER AND ALL CABLES AND WIRES PROPERLY TERMINATED AND INSULATED TO RESTORE THE SYSTEM TO A SAFE AND SOUND CONDITION AND TO THE ARCHITECT'S SATISFACTION.
14. IN EVERY INSTANCE WHERE IT IS REQUIRED IN THE SPECIFICATION OR DRAWING THAT EQUIPMENT AND MATERIALS TO BE REMOVED FROM EXISTING LOCATIONS AND RE-INSTALLED, EITHER IN WHOLE OR IN PART, IN NEW LOCATIONS, ALL SUCH EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED AND WHERE NECESSARY PUT INTO GOOD OPERATING CONDITION BEFORE BEING RE-INSTALLED IN THE NEW LOCATION.
15. WHERE THE EXISTING EQUIPMENT IS NOT TO BE ULTIMATELY RELOCATED BUT INTERFERES WITH THE CONSTRUCTION, THE EQUIPMENT SHALL BE TEMPORARILY RELOCATED UNTIL SUCH TIME AS THE NEW WORK IS COMPLETED SERVICES TO TEMPORARILY RELOCATED EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
16. WHERE A DEVICE OR EQUIPMENT IS REMOVED, ALL ASSOCIATED SURFACE CONDUITS, PULL BOXES SHALL BE TERMINATED AND ABANDONED IN CEILING SPACE AND SHALL BE MADE SAFE. ALL ASSOCIATED CONDUITS AND OUTLET BOXES/PULL BOXES INSIDE THE REMAINING WALLS SHALL REMAIN AND PROVIDE BLANK COVERS FOR UNUSED BOXES. ALL ASSOCIATED WIRING/DATA CABLES/VOICE CABLES SHALL BE REMOVED FROM SOURCE.
17. TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.
18. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK TO SUIT THE PROJECT PHASE SCHEDULE.
19. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL CONDUIT AND WIRING OF MECHANICAL EQUIPMENT TO BE REMOVED UNLESS OTHERWISE NOTED.
20. ALL REDUNDANT, OBSOLETE COMMUNICATION AND POWER WIRING, CONDUIT AND JUNCTION BOXES SHALL BE REMOVED.
21. INCLUDE IN TENDER FOR DISCONNECT & REMOVAL OF 10 ADDITIONAL HEAT DETECTORS, 10 ADDITIONAL SMOKE DETECTOR, 10 ADDITIONAL FIRE ALARM PULL STATION. 10 ADDITIONAL DUCT SMOKE DETECTORS, 10 ADDITIONAL AUDIBLE DEVICES & VISUAL DEVICES.

GENERAL NOTES

1. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCH. DRAWINGS.
2. EXACT LOCATION FOR ALL OUTLETS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN.
3. FOR EXACT LOCATION OF ALL A/C UNITS, PUMPS, FANS, MOTORS, HEATERS, ETC., SEE MECHANICAL DRAWINGS.
4. EXACT LOCATION OF POWER CONNECTION POINTS OF ALL PROCESS EQUIPMENT/DEVICES SHALL BE COORDINATED WITH PROCESS CONTRACTOR AND ON SITE.
5. ALL RECEPTACLES IF LOCATED FARTHER THAN 30,000mm FROM THE RESPECTIVE ELECTRICAL PANEL'S SHALL BE WIRED WITH #10 AWG AND FARTHER THAN 60,000mm SHALL BE WIRED WITH #8 AWG. FURTHER THAN 100,000mm, CONTRACTOR SHALL CONDUCT VOLTAGE DROP CALCULATION IN COMPLIANCE WITH OESC REQUIREMENT AND UPSIZE CONDUCTOR ACCORDINGLY.
6. CO-ORDINATE ALL WORK WITH MECHANICAL CONTRACTOR AND PROCESS CONTRACTOR.
7. STARTERS FOR FANS SHALL BE LOCATED ADJACENT TO CORRESPONDING PANEL BOARDS UNLESS OTHERWISE SHOWN.
8. ELECTRICAL CONTRACTOR SHALL CO-ORDINATE THEIR WORK TO SUIT THE PROJECT PHASE SCHEDULE.
9. ALL SYSTEMS CONDUIT(S) SHALL BE INSTALLED CONCEALED IN WALL(S) IN ALL AREAS. IF THE WALL(S) ARE NOT ACCESSIBLE/FEASIBLE FOR CONDUITS TO INSTALL INSIDE THE WALL THEN SURFACE MOUNTED SHALLOW WIREMOLD RACEWAY SHALL BE INSTALLED. INSTALLATION OF SURFACE MOUNTED CONDUIT IS NOT ACCEPTABLE.
10. PROVIDE BUSHINGS AT BOTH ENDS OF EACH CONDUIT/SLEEVE TERMINATED IN CEILING SPACE.
11. ALL EMPTY CONDUITS SHALL BE COMPLETE WITH PULLSTRINGS.
12. PROVIDE BLANK COVER PLATES FOR ALL UNUSED NEW AND EXISTING OUTLET BOXES.
13. FOR INSTALLATION OF ELECTRICAL EQUIPMENT/DEVICES, PROVIDE ASSOCIATED FREE STANDING UNISTRUTS/MOUNTING BRACKETS (BOLTED TO THE FLOOR) IF REQUIRED.
14. REFER TO SECURITY DRAWING FOR ALL CONDUITS QUANTITY, ROUTING, TERMINATION REQUIREMENT. ALL COST SHALL BE INCLUDE IN THE TENDER.
15. REFER TO ARCHITECTURAL DRAWING FOR PROJECT PHASING. ALL WORK SHALL BE COMPLETED IN ACCORDANCE TO PROJECT PHASING.

LUMINARIES SCHEDULE

TYPE	WATT (W)	VOLT (V)	CT (K)	LUMENS (LM)	DESCRIPTION	MANUFACTURER
A	30	120	4000	3900	1'x4' C/W BUILD IN SENSOR BACKLIT PANEL, SELECTABLE WATTAGE C/W T-BAR CEILING KIT	RENO LIGHTING, CAT.#RENO-14BLPL-DV-MW-MCCT-MS-30W-4000K
A1	30	120	4000	3900	SAME AS TYPE A, EXCEPT C/W DRYWALL CEILING MOUNT KIT	RENO LIGHTING, CAT.#RENO-14BLPL-DV-MW-MCCT-MS-30W-4000K
A2	20	120	4000	2600	SAME AS TYPE A, EXCEPT 2600LM OUTPUT	RENO LIGHTING, CAT.#RENO-14BLPL-DV-MW-MCCT-MS-20W-4000K
A3	20	120	4000	2600	SAME AS TYPE A, WITH NO BUILD IN SENSOR	RENO LIGHTING, CAT.#RENO-14BLPL-DV-MW-MCCT-30W-4000K
B	30	120	4000	3990	2'x4' C/W BUILD IN SENSOR BACKLIT PANEL, SELECTABLE WATTAGE, C/W T-BAR CEILING KIT	RENO LIGHTING, CAT.#RENO-24BLPL-DV-MW-MCCT-MS
B1	30	120	4000	3990	SAME AS TYPE B, WITH NO BUILD IN SENSOR	RENO LIGHTING, CAT.#RENO-24BLPL-DV-MW-MCCT
D	28	120	4000	4816	4' LINEAR STRIP, SELECTABLE WATTAGE	RENO LIGHTING, CAT.#RENO-LSN4-DV-MW-MCCT
F	175	120	4000	30275	2x2 LINEAR HIGHBAY LIGHTING, SELECTABLE WATTAGE	RENO LIGHTING, CAT.#RENO-LHB2-DV-MW-MCCT-R2
H	20	120	4000	2000	10" ALUMINUM COMMERCIAL GRADE SELECTABLE WATTAGE DOWNLIGHT	RENO LIGHTING, CAT.#RENO-DL10-MW-DV-MCCT-AL-20W
G	-	120	3000	-	CONTRACTOR SHALL SITE VERIFY EXISTING LIGHT DIAMETER AND PROVIDE NEW LED LIGHT WITHIN THE EXISTING OPENING TO SUIT. PROPOSE SUITABLE FIXTURE INCLUDE ALL COST IN TENDER BID	-
J	-	120	3000	-	CONTRACTOR SHALL SITE VERIFY EXISTING CANOPY LIGHT DIAMETER AND PROVIDE NEW LED CANOPY LIGHT WITHIN THE EXISTING OPENING TO SUIT. PROPOSE SUITABLE FIXTURE INCLUDE ALL COST IN TENDER BID	-
K	34	120	4000	3162	10" COMMERCIAL GRADE SELECTABLE WATTAGE DOWNLIGHT	RENO LIGHTING, CAT.#RENO-DL10-MW-DV-MCCT-G2
S	2.48/FT	120	3000	170/FT	PROVIDE FLEXIBLE HORIZONTAL BEND LINEAR LED STRIP FOR CROSS LIGHT. CONTRACTOR SHALL CONDUCT FIELD MEASUREMENT TO ENSURE LENGTH OF LIGHT CROSS. PROVIDE COMPATIBLE DRIVER AND MOUNTING ACCESSORIES TO SUIT THE INSTALLATION. DETAIL OF CROSS REFER TO ARCHITECTURAL DRAWING.	KELVIX, CAT.#SX-30K-300-24V DRIVER, CAT.#HLV192
U-T2	63	120	3000	9249	DIE-CAST ALUMINUM HOUSING, PLASTIC OPTIC ENCLOSURE POLE HEAD, SINGLE TENON ADAPTER	COOPER, CAT.#GALN-SA2A-730-U-T2-MA1036-XX
U-T4	63	120	3000	9203	DIE-CAST ALUMINUM HOUSING, PLASTIC OPTIC ENCLOSURE POLE HEAD, SINGLE TENON ADAPTER	COOPER, CAT.#GALN-SA2A-730-U-T4W-MA1036-XX
U1	189	120	3000	27528	DIE-CAST ALUMINUM HOUSING, PLASTIC OPTIC ENCLOSURE POLE HEAD, 3@90° TENON ADAPTER	COOPER, CAT.#GALN-SA2A-730-U-T4FT-MA1195-XX
U2	138	120	3000	18352	DIE-CAST ALUMINUM HOUSING, PLASTIC OPTIC ENCLOSURE POLE HEAD, 2@180° TENON ADAPTER	COOPER, CAT.#GALN-SA2A-730-U-T4FT-MA1039-XX
R	20.1	120	3000	2780	FULL CUTOFF WALLPACK 2.0, SMALL HOUSING, 2800 LUMENS, 3000K, TYPE IV DISTRIBUTION	COOPER, CAT.#IST-SA1A-730-U-T4W-HSS

EMERGENCY UNITS

TYPE	DESCRIPTION	MANUFACTURER
ES1	UNIVERSAL MOUNTED GREEN RUNNING MAN PICTOGRAM C/W BUILT IN BATTERY	LUMACELL, CAT.#CM-SS-ACDC-L
ES2	UNIVERSAL MOUNTED GREEN RUNNING MAN PICTOGRAM C/W BUILT IN BATTERY	LUMACELL, CAT.#CM-SC-L
BU1	WALL MOUNT 12V BATTERY COMPLETED WITH TWO REMOTE HEAD	LUMACELL, CAT.#RG12S360
EH	12V REMOTE HEAD SINGLE CUBE / TWIN CUBE AS DRAWING	LUMACELL, CAT.#RSQB / RSQBD-LD10-X-X

LIGHTING CONTROL SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER
OS	DUAL TECH WALL MOUNTED OCCUPANCY SENSOR	COOPER, CAT. #OAWC-DT-120W-R C/W OCCUPANCY SENSOR COUPLER COOPER, #OCC-RJ45
OS	DUAL TECH CEILING MOUNTED OCCUPANCY	SENSOR COOPER, CAT. #OAC-DT-1000-R C/W OCCUPANCY SENSOR COUPLER COOPER, #OCC-RJ45

LEGEND OF SYMBOLS

POWER AND SYSTEMS LEGEND

SYMBOL	DESCRIPTION
W	15A, 120V TAMPER-RESISTANT DUPLEX RECEPTACLE. (W - WASHER)
	15A, 120V TAMPER-RESISTANT DUPLEX RECEPTACLE COMPLETE WITH USB CHARGER (HUBBELL CAT.#USB15ACPDW)
MW	15A, 120V DUPLEX RECEPTACLE. (MW - FOR SHELF MOUNTED MICROWAVE)
GFI	15A, 120V GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE (HUBBELL #GF5262)
GFI	15A, 120V GROUND FAULT INTERRUPTER, TAMPER-RESISTANT DUPLEX RECEPTACLE (HUBBELL #GF5262). MOUNTED ABOVE COUNTER (150mm ABOVE BACK SPLASH).
GFI WP	15A, 120V WEATHERPROOF GFI TYPE TAMPER-RESISTANT DUPLEX RECEPTACLE
PC	15A, 120V DUPLEX RECEPTACLE MOUNTED AT HIGH LEVEL BELOW CEILING ABOVE PROJECTOR / SMART BOARD LOCATION ON TEACHER WALL FOR PROJECTOR / SMART BOARD.
	15/20A, 120V TAMPER-RESISTANT QUAD RECEPTACLE
	15A, 120V SPLIT WIRED TAMPER-RESISTANT DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER (2 CIRCUITS C/W 3#12 FEEDER)
	15/20A, 120V, 1Ø COMBINATION TAMPER-RESISTANT DUPLEX RECEPTACLE ("NEMA" 5-20R 125V, 2POLE, 3 WIRE, GROUNDED)
AC GFI	15/20A, 120V, 1Ø COMBINATION TAMPER-RESISTANT DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER ("NEMA" 5-20R 125V, 2POLE, 3 WIRE, GROUNDED) (GFI - GROUND FAULT INTERRUPTER)
6-20R	20A, 250V, 1Ø CSA CONFIGURATION 6-20R SINGLE RECEPTACLE
	15A, 120V TAMPER-RESISTANT DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR THROUGH RECEPTACLE RATED SWITCHPACK/ROOM CONTROLLER. REFER TO DETAIL #1/E402. THE OCCUPANCY SENSOR CONTROLLED RECEPTACLE SHALL HAVE DIFFERENT COLOR FINISH, COORDINATE WITH SCHOOL BOARD FOR THE FINAL COLOR REQUIREMENT.
GFI WP	15/20A,120V COMBINATION WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER SERVICE DUPLEX RECEPTACLE COMPLETE WITH WEATHERPROOF IN-USE COVER AND "EXTRA DUTY" LABEL
D	DRYER, 30A, 250V, 1Ø SINGLE RECEPTACLE (FEEDER 3#8-21MMC) - (14-30R)
	JUNCTION BOX C/W 15A, 120V CIRCUIT MOUNTED IN ACCESSIBLE CEILING SPACE
S	FLUSH CEILING-MOUNTED P.A. SPEAKER COMPLETE WITH ASSOCIATED BACK BOX, 21MM CONDUIT AND P.A. SYSTEM WIRING. THE 21MM CONDUIT SHALL TERMINATE IN CABLE MANAGEMENT DUAL HANGERS WITHIN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUIT IN EXPOSED AREAS OR WITHIN GYPSUM BOARD CEILINGS IS NOT PERMITTED. NEW FLUSH CEILING-MOUNTED P.A. SPEAKERS SHALL MATCH EXISTING AND SHALL BE FULLY COMPATIBLE WITH THE EXISTING P.A. SYSTEM.
	120V JUNCTION BOX
	SPECIAL OUTLET (SIZE AND EQUIPMENT AS NOTED, CONNNECT TO EQUIPMENT)
C MD	15A, 120V OUTLET FOR C - CONTROLS; MD - MOTORIZED DAMPER (CONNECT TO EQUIPMENT)
HT	OUTLET FOR HEAT TRACING (CONNECT TO TERMINAL BLOCK)
HD	HAND DRYER C/W 2#10 FEEDER (CONNECT TO UNIT)
P C/T	SURFACE MOUNTED TWO-CELL PLUGMOLD (ONE CELL FOR POWER AND ONE CELL FOR COMPUTER/TELEPHONE WIRING) COMPLETE WITH RECEPTACLES AND COMPUTER/TELEPHONE OUTLETS AS SHOWN ON FLOOR PLANS. RUN ASSOCIATED CONDUIT FOR COMPUTER/TELEPHONE WIRING AND TERMINATE IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUITS IN EXPOSED OR IN GYPSUM BOARD CEILINGS IS NOT ACCEPTABLE. FOR LENGTH OF PLUG MOLD AND QUANTITY OF DEVICES COORDINATE WITH FLOOR PLANS. RACEWAY SHALL BE MOUNTED ABOVE COUNTER. COORDINATE EXACT MOUNTING HEIGHT OF RACEWAY WITH ARCHITECT AND ON SITE. REFER TO SPECIFICATION.
	WALL MOUNTED OR PLUGMOLD MOUNTED SINGLE JACK COMPUTER OUTLET. RUN ASSOCIATED CONDUIT AND TERMINATE AT IT RACK IN IT CLOSET. TERMINATION OF CONDUITS IN EXPOSED OR IN GYPSUM BOARD CEILINGS IS NOT ACCEPTABLE.
A/V	FLUSH MOUNTED A/V OUTLET BOX COMPLETE WITH 27mm EMPTY CONDUIT TO ACCESSIBLE CEILING SPACE.
FAX P	WALL MOUNTED OUTGOING TELEPHONE SYSTEM OUTLET. PROVIDE OUTLET BOX C/W 21mm CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE (TERMINATION OF CONDUIT ABOVE GYPSUM BOARD CEILINGS OR IN EXPOSED CEILING AREAS ARE NOT ACCEPTABLE), JACK, HANDSET, COVER PLATE AND WIRING. (P-DENOTES PUBLIC PHONE; FAX - DENOTES FAX MACHINE).
	FLUSH WALL-MOUNTED OR PLUGMOLD-MOUNTED COMPUTER OUTLET BOX COMPLETE WITH A SINGLE COMPUTER JACK, COVER PLATE, 21MM CONDUIT, AND ASSOCIATED COMPUTER CABLE. THE 21MM CONDUIT SHALL TERMINATE IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUIT IN EXPOSED AREAS OR WITHIN GYPSUM BOARD CEILINGS IS NOT PERMITTED.
WAP	TWO COMPUTER DROPS IN ACCESSIBLE CEILING SPACE FOR A WIRELESS ACCESS POINT, EACH CONSISTING OF ONE COMPUTER JACK WITH ASSOCIATED COMPUTER CABLE, INCLUDING 7500MM OF SLACK COILED AT THE JACK END. THE WIRELESS ACCESS POINT DEVICE WILL BE SUPPLIED AND INSTALLED BY THE SCHOOL BOARD.
W (2)	FLUSH WALL-MOUNTED COMPUTER OUTLET BOX COMPLETE WITH DOUBLE COMPUTER JACKS, COVER PLATE, 21MM CONDUIT, AND TWO COMPUTER CABLES FOR WIRELESS ACCESS POINT. THE 21MM CONDUIT SHALL TERMINATE IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUIT IN EXPOSED AREAS OR WITHIN GYPSUM BOARD CEILINGS IS NOT PERMITTED. THE WIRELESS ACCESS POINT DEVICE WILL BE SUPPLIED AND INSTALLED BY THE SCHOOL BOARD.
PC	COMPUTER OUTLET BOX (MOUNTED IN LIGHTWEIGHT CEILING PLATE) COMPLETE WITH ASSOCIATED SINGLE COMPUTER JACK, COVER PLATE AND COMPUTER CABLE FOR PROJECTOR.
PC	FLUSH WALL-MOUNTED 4"X4"X4" BACK BOX COMPLETE WITH PLASTER RING EXTENSION, BLANK COVER PLATE AND 41MM EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE (FOR FUTURE PROJECTOR AV OUTLET)
VOIP	FLUSH WALL-MOUNTED OR PLUGMOLD-MOUNTED COMPUTER OUTLET BOX FOR VOIP PHONE USE, COMPLETE WITH A SINGLE COMPUTER JACK, COVER PLATE, 21MM CONDUIT, AND ASSOCIATED COMPUTER CABLE. THE 21MM CONDUIT SHALL TERMINATE IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUIT IN EXPOSED AREAS OR WITHIN GYPSUM BOARD CEILINGS IS NOT PERMITTED.
A	PUBLIC ADDRESS SYSTEM ADMINISTRATIVE CONTROL CONSOLE
S	WALL MOUNTED P.A. SPEAKER C/W CALL SWITCH.
M	CHECK METER
V	P.A. SPEAKER VOLUME CONTROL
WP WG	WALL MOUNTED P.A. HORN. (WP DENOTES WEATHERPROOF. WG DENOTES COMPLETE WITH WIRE GUARD).
	BATTERY OPERATED CLOCK SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION (SEE SPECIFICATIONS)
TV	WALL MOUNTED OUTLET BOX COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE STAINLESS STEEL BLANK COVERPLATE. (TERMINATION OF CONDUIT ABOVE GYPSUM BOARD CEILINGS OR IN EXPOSED CEILING AREAS IS NOT ACCEPTABLE)
	OUTLET BOX C/W BLANK COVER PLATE FOR REMOTE THEATRICAL LIGHTING CONSOLE CONNECTION OF THEATRICAL LIGHTING. RUN 21mmEC AND TERMINATE IN ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED.
	COPPER GROUND BUS BAR
CP	CONTROL PANEL (REFER TO DETAIL #2 ON THIS E403.)
JB	JUNCTION OR PULL BOX
T	HEATER C/W BUILT-IN THERMOSTAT
	ELECTRIC MOTOR (WIRING & EQUIPMENT AS NOTED)
	EMERGENCY PUSH BUTTON (RED MUSHROOM TYPE) LABELED "POWER" SHALL BE CONNECTED TO CORRESPONDING LIGHTING PANEL FOR SHUT DOWN OF POWER.
EXP RT WP	DISCONNECT SWITCH (WP DENOTES WEATHERPROOF, RT DENOTES RAINTIGHT, EXP DENOTES EXPLOSION PROOF)
P	MANUAL MOTOR STARTER SUPPLIED BY MECHANICAL DIV., INSTALLED/WIRED BY ELECTRICAL DIV. (P - DENOTES PILOT LIGHT)
SC	SPEED CONTROLLER FOR CEILING FAN (SUPPLIED BY MECHANICAL DIV., INSTALLED/WIRED BY ELECTRICAL DIV.)
P	MAGNETIC MOTOR STARTER SUPPLIED BY MECHANICAL DIV., INSTALLED/WIRED BY ELECTRICAL DIV. (P - DENOTES PILOT LIGHT)
	FUSED COMBINATION MAGNETIC MOTOR STARTER (SUPPLIED BY MECHANICAL DIV., INSTALLED/WIRED BY ELECTRICAL DIV.)
TV	OUTLET BOX FOR FLUSH WALL MOUNTED CABLE T.V. SYSTEM. RUN 19 MMC AND TERMINATE IN ACCESSIBLE CEILING SPACE. TERMINATION OF CONDUIT IN EXPOSED OR DRYWALL CEILING AREAS IS NOT ACCEPTABLE.
TS	TIMESWITCH
C	H.O.A. CONTACTOR C/W PILOT LIGHT
T	LINE VOLTAGE THERMOSTAT (SUPPLIED BY MECHANICAL DIV., INSTALLED/WIRED BY ELECTRICAL DIV.)
Ts	FLUSH WALL MOUNTED OUTLET BOX (FOR TEMPERATURE SENSOR) COMPLETE WITH 16MM EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED (TEMPERATURE SENSOR AND WIRING BY MECHANICAL DIV.)
E	OUTLET FOR PUSH FOR EMERGENCY ASSISTANCE BUTTON
P	OUTLET FOR HANDICAPPED PUSH BUTTON
L	OUTLET FOR PUSH TO LOCK BUTTON
	PUSH BUTTON
	SURFACE OR FLUSH MOUNTED ELECTRICAL PANELS
	DISTRIBUTION PANEL OR SPLITTER TROUGH
TX-X	DRY TYPE TRANSFORMER

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	RECESSED OR SURFACE MOUNTED LED FIXTURE
	LED FIXTURE WALL OR CEILING MOUNTED
	SAME AS ABOVE EXCEPT ON EMERGENCY LIGHT CIRCUIT
	EXIT SIGN WALL OR CEILING MOUNTED (CONNECT TO CORRESPONDING BATTERY UNIT) - TRIANGLE DENOTES C/W HEAD LIGHT - ARROW DENOTES DIRECTION OF TRAVEL
WP K $ 3 4	120 VOLT LIGHTING TOGGLE SWITCH (K DENOTES KEY-OPERATED, 3 DENOTES THREE WAY, 4 DENOTES FOUR WAY, WP DENOTES WEATHERPROOF)
K ■ 3	120V LIGHT SWITCH MOUNTED IN CONTROL PANEL (K DENOTES KEY-OPERATED, 3 DENOTES THREE WAY)
$P	120 VOLT MOTOR RATED SWITCH COMPLETE WITH PILOT LIGHT, SUPPLIED AND INSTALLED BY ELECTRICAL DIV.
OS	WALL MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL
OS	CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL
D	DIMMER SWITCH
PS	PHOTOCELL SENSOR FOR LIGHTING CONTROL

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
B	CEILING MOUNTED FIRE ALARM BELL
B	WALL MOUNTED FIRE ALARM BELL
H	CEILING MOUNTED FIRE ALARM HORN
H	CEILING MOUNTED COMBINATION OF FIRE ALARM HORN & STROBE
H	WALL MOUNTED FIRE ALARM HORN
H	WALL MOUNTED COMBINATION OF FIRE ALARM HORN & STROBE
	FIRE ALARM STROBE
AUX WP WG	FIRE ALARM MANUAL PULL STATION (WP DENOTES WEATHERPROOF; AUX DENOTES COMPLETE WITH AUXILIARY CONTACT; WG DENOTES WIREGUARD/COVER.)
S (W)	FIRE ALARM SMOKE DETECTOR (W DENOTES COMPLETE WITH WIREGUARD)
H (W)	FIRE ALARM HEAT DETECTOR (W DENOTES COMPLETE WITH WIREGUARD)
S/A R/A	FIRE ALARM SMOKE DETECTOR (COMPLETE WITH PILOT LIGHT) MOUNTED IN SUPPLY AND/OR RETURN DUCT
SA	STANDALONE SMOKE ALARM DEVICE COMBO WITH CO
	FIRE ALARM SUPERVISORY VALVE
	FIRE ALARM SPRINKLER FLOW SWITCH
FAA	REMOTE FIRE ALARM ANNUNCIATOR
	FIRE ALARM PANEL
FAAG	ACTIVE GRAPHIC
FAPG	PASSIVE GRAPHIC
DGP	FIRE ALARM DATA GATHER PANEL
	END OF LINE RESISTOR
ISO	ISOLATION MODULE

SECURITY LEGEND

SYMBOL	DESCRIPTION
DC	OUTLET FOR SECURITY SYSTEM DOOR CONTACT COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE.
OHDC	OUTLET FOR SECURITY SYSTEM OVERHEAD DOOR CONTACT COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE. MOUNTED AT THE TOP OF OVERHEAD DOORS.
DH	50mm X 100mm X 38mm FLUSH MTD. JUNCTION BOX C/W WIRING FOR DOOR HOLDERS (CONNECT TO UNIT & COORDINATE WITH ARCHITECT)
KP	FLUSH WALL MOUNTED OUTLET FOR REMOTE SECURITY SYSTEM KEYPAD COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE
CR WP	OUTLET BOX FOR CARD READER (WP DENOTES WEATHERPROOF), COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE
ES	OUTLET BOX FOR ELECTRIC STRIKE COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN DOOR FRAME AND IN ACCESSIBLE CEILING SPACE ABOVE THE DOOR. ELECTRIC STRIKE SHALL BE BY OTHERS.
MD	OUTLET FOR SECURITY SYSTEM MOTION DETECTOR COMPLETE WITH 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE
CCTV WP	FLUSH WALL OR CEILING MOUNTED OUTLET FOR VIDEO SURVEILLANCE CAMERA. UNLESS OTHERWISE NOTED, RUN 21mm CONDUIT AND TERMINATE IN CORRIDOR CABLE DUAL HANGERS, TERMINATION OF CONDUIT IN EXPOSED OR DRYWALL CEILING AREAS IS NOT ACCEPTABLE. (WP DENOTES WEATHERPROOF)
S	OUTLET FOR SECURITY SIREN HORN

SINGLE LINE DIAGRAM SYMBOLS

SYMBOL	DESCRIPTION
	TRANSFORMER
	BREAKER
	AUTOMATIC TRANSFER SWITCH WITHOUT BYPASS
	AUTOMATIC TRANSFER SWITCH WITH MAINTENANCE BYPASS
	FIRE PUMP AUTOMATIC TRANSFER SWITCH COMPLETE WITH STARTER UNIT (BY OTHER)
G	EMERGENCY GENERATOR
	FUSED DISCONNECT SWITCH
	UN-FUSED DISCONNECT SWITCH
HF	HARMONIC FILTER (SUPPLIED BY OTHERS, WIRED BY ELECTRICAL DIVISION)
VFD	VARIABLE FREQUENCY DRIVE (SUPPLIED BY OTHERS, WIRED BY ELECTRICAL DIVISION)
METER CABINET	HYDRO METER CABINET
DM	DIGITAL METERING
GFP	GROUND FAULT PROTECTION

ABBREVIATION (APPLY TO ALL LEGENDS OF SYMBOL):

WP - C/W WEATHERPROOF IN-USE COVER AND "EXTRA DUTY" LABEL
GFI - GROUND FAULT INTERRUPTER
WG - C/W WIRE GUARD
D - DRYER
HD - HAND DRYER
MD - MOTORIZED DAMPER
HT - HEAT TRACING
RT - DENOTES RAINTIGHT
EXP - DENOTES EXPLOSION PROOF

ELECTRICAL DRAWING LIST

DRAWING NO.	DRAWING NAME
E001	DRAWING LIST, SYMBOL LIST AND NOTES
E101	ELECTRICAL SITE PLAN
E201	ELECTRICAL LIGHTING DEMOLITION PLAN - GROUND FLOOR
E202	ELECTRICAL LIGHTING DEMOLITION PLAN - UPPER LEVEL
E203	ELECTRICAL POWER & F.A. DEMOLITION PLAN - GROUND FLOOR
E204	ELECTRICAL POWER & F.A. DEMOLITION PLAN - UPPER LEVEL
E301	ELECTRICAL LIGHTING MODIFICATION PLAN - GROUND FLOOR
E302	ELECTRICAL LIGHTING MODIFICATION PLAN - UPPER LEVEL
E303	ELECTRICAL POWER & F.A. MODIFICATION PLAN - GROUND FLOOR
E304	ELECTRICAL POWER & F.A. MODIFICATION PLAN - UPPER LEVEL
E305	ELECTRICAL LIGHTING ADDITIONAL PLAN
E306	ELECTRICAL POWER & F.A. ADDITIONAL PLAN
E401	ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULE
E402	ELECTRICAL LIGHTING CONTROL DETAILS
E403	ELECTRICAL DETAILS
E501	FIRE ALARM SCHEDULE& PASSIVE GRAPHIC

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

ABBREVIATION

AFCI	DENOTES ARC-FAULT CIRCUIT INTERRUPTER
CL	DENOTES CEILING MOUNTED
DW	DENOTES DISHWASHER
FR	DENOTES FRIDGE
GFI	DENOTES GROUND FAULT INTERRUPTER
IG	DENOTES ISOLATED GROUND
MW	DENOTES MICROWAVE
NC	DENOTES NORMALLY CLOSED
NO	DENOTES NORMALLY OPEN
OC	DENOTES OVER COUNTER
TYP	DENOTES TYPICAL
VFD	DENOTES VARIABLE FREQUENCY DRIVE
W	DENOTES WASHER
WP	DENOTES WEATHERPROOF
H/L	DENOTES HIGH LEVEL
L/L	DENOTES LOW LEVEL
EX	DENOTES EXISTING ITEM TO REMAIN
ER	DENOTES EXISTING ITEM TO BE RELOCATED. EXTEND EXISTING CONDUIT & WIRES TO NEW LOCATION, UNLESS OTHERWISE NOTED.
RP	DENOTES EXISTING ITEM IN RELOCATED POSITION. UNLESS OTHERWISE NOTED, EXTEND EXISTING CONDUIT AND WIRES FROM ITEM PREVIOUS LOCATION AND CONNECT.
RM	DENOTES EXISTING ITEM TO BE REMOVED. REMOVE REDUNDANT WIRING AND RETAIN THE INTEGRITY OF THE EXISTING CIRCUIT(S), UNLESS OTHERWISE NOTED. MAKE ALL REMAINING WIRING SAFE.
ER/RP	DEVICES TO BE TEMPORARILY DISCONNECTED AND REMOVED FROM THEIR LOCATIONS AND RE-INSTALLED TO THE ORIGINAL LOCATIONS AND CONNECTED TO THE SAME EXISTING ELECTRICAL CIRCUITS OR ZONE CIRCUITS.

ELECTRICAL EQUIPMENT MOUNTING HEIGHTS

(HANDICAP ACCESSIBLE AREAS)

1. ELECTRICAL OUTLETS AND TELEPHONE OUTLETS: 400mm A.F.F. TO BOTTOM OF OUTLET UNLESS OTHERWISE NOTED.
2. LIGHT SWITCHES: 1000mm A.F.F. TO TOP OF SWITCHES
3. TEMPERATURE SENSING DEVICES: 1200mm A.F.F. TO TOP OF OUTLET BOX. (SEE MECHANICAL).
4. WALL MOUNTED TELEPHONE: 1200mm A.F.F. TO TOP OF OUTLET
5. FIRE ALARM PULL STATIONS: 1200mm A.F.F. TO TOP OF OUTLET
6. ELECTRICAL PANELS: 1800mm A.F.F. TO TOP OF PANEL
7. FIRE ALARM BELL: 2400mm A.F.F. TO TOP OF OUTLET BOX
8. EMERGENCY REMOTE HEAD:
   OPEN CEILING: MAX. 3500MM, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWING.
   WALL MOUNT: 2400MM, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWING.
9. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT/OWNER PRIOR TO ANY ROUGH-IN.

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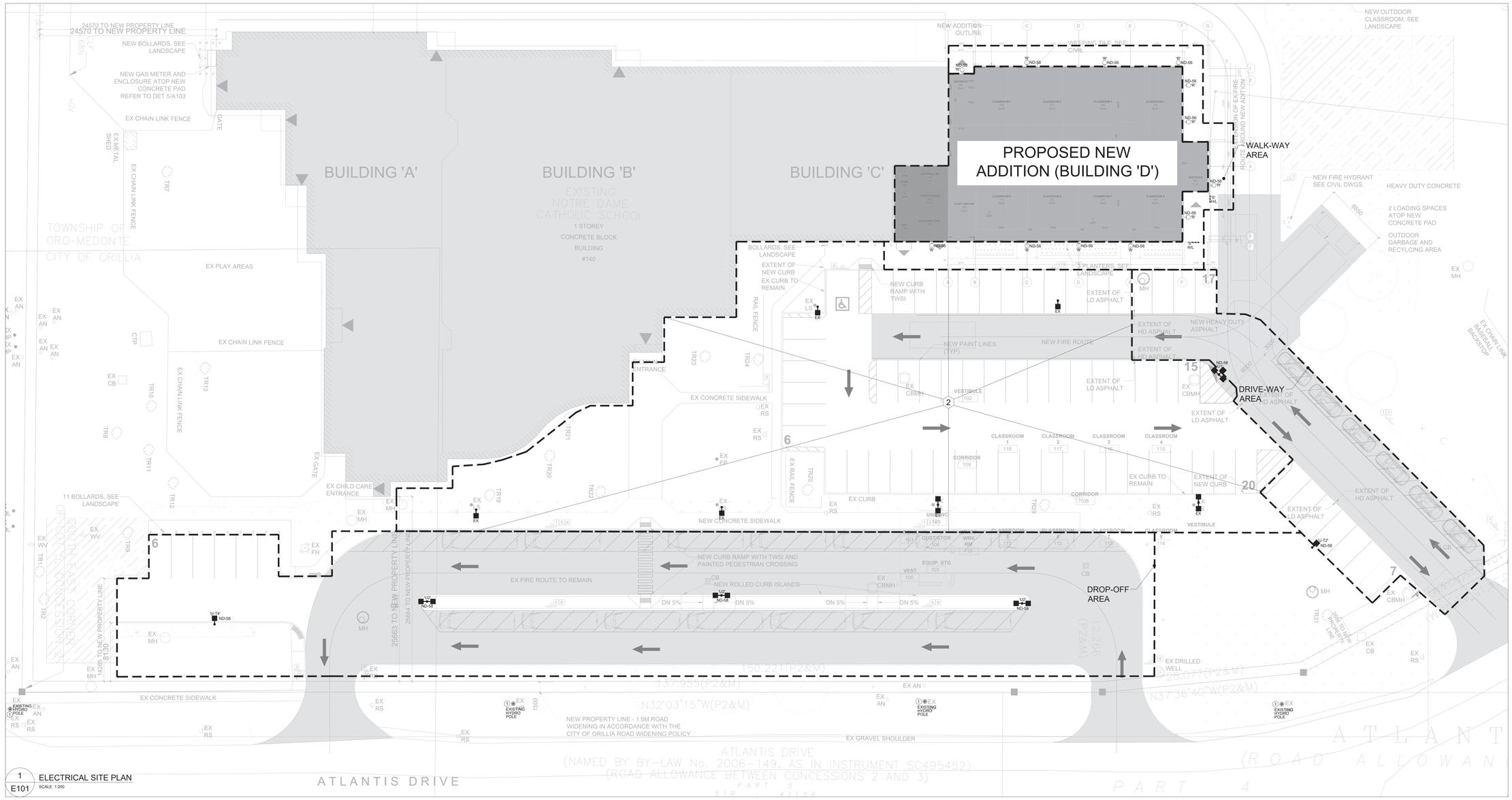
No	Revision	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR REVIEW	2025-12-16

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Drawing Title:
SYMBOL LIST, DRAWING LIST & NOTES

Scale: AS SHOWN | Date: NOV 2026
Drawn by: JN | Checked by: FH
Job No. 25092 | Drawing No. E001



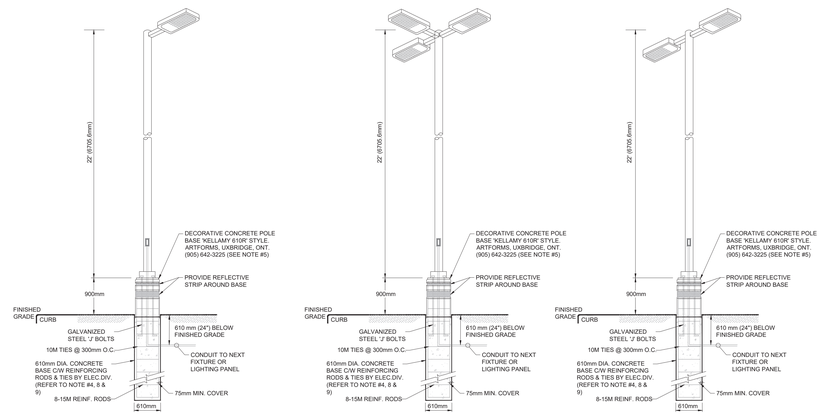
1 E101 ELECTRICAL SITE PLAN
SCALE: 1:200

KEYED NOTES

1. EXISTING HYDRO POLE NEED TO BE REWORKED TO SUIT GRADING CHANGE. ELECTRICAL CONTRACTOR SHALL ENGAGE HYDRO ONE TO ESTABLISH SCOPE OF WORK. THE HYDRO COST ASSOCIATED WITH THE HYDRO POLE AND REWORK OF OVERHEAD LINE WILL BE COVERED UNDER CASH ALLOWANCE. COORDINATE WITH GC TO ENSURE THE SCHEDULE HYDRO WORK IS AT THE SAME TIME AS THE SITE GRADING WORK.
2. ALL EXISTING UNDERGROUND CONDUIT AND WIRING FOR THE POLE LIGHTS SHALL BE DISCONNECTED AND REMOVED TO SUIT SITE EXCAVATION WORK. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW CONDUIT AND WIRING AND RECONNECT ALL POLE LIGHTS THROUGH EXISTING CIRCUITS AFTER COMPLETION OF SITE WORK.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



NOTES

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
2. ALL CONCRETE IN BASEs SHALL BE VIBRATED.
3. TOP OF FOUNDATION SHALL BE TRULY LEVEL.
4. CLASS OF CONCRETE TO BE SPECIFIED BY STRUCTURAL ENGINEER.
5. CONCRETE BASES SUPPLIED & INSTALLED BY ELECTRICAL DIVISION.
6. MINIMUM OF 2 SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION UNLESS OTHERWISE SHOWN.
7. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
8. SUBJECT TO SOIL CONDITIONS.
9. ELECTRICAL CONTRACTOR SHALL INCLUDE IN CONTRACT COST FOR HIRING OF STRUCTURAL ENGINEER WHO SHALL REVIEW AND APPROVE SIZE OF CONCRETE BASES PRIOR TO THEIR INSTALLATION. (WRITTEN CONFIRMATION AND STAMPED POLE BASE DESIGN FROM STRUCTURAL ENGINEER IS REQUIRED)

2 E101 TYPE 'U' SERIES PARKING LOT LIGHTING STANDARDS
SCALE: N.T.S.

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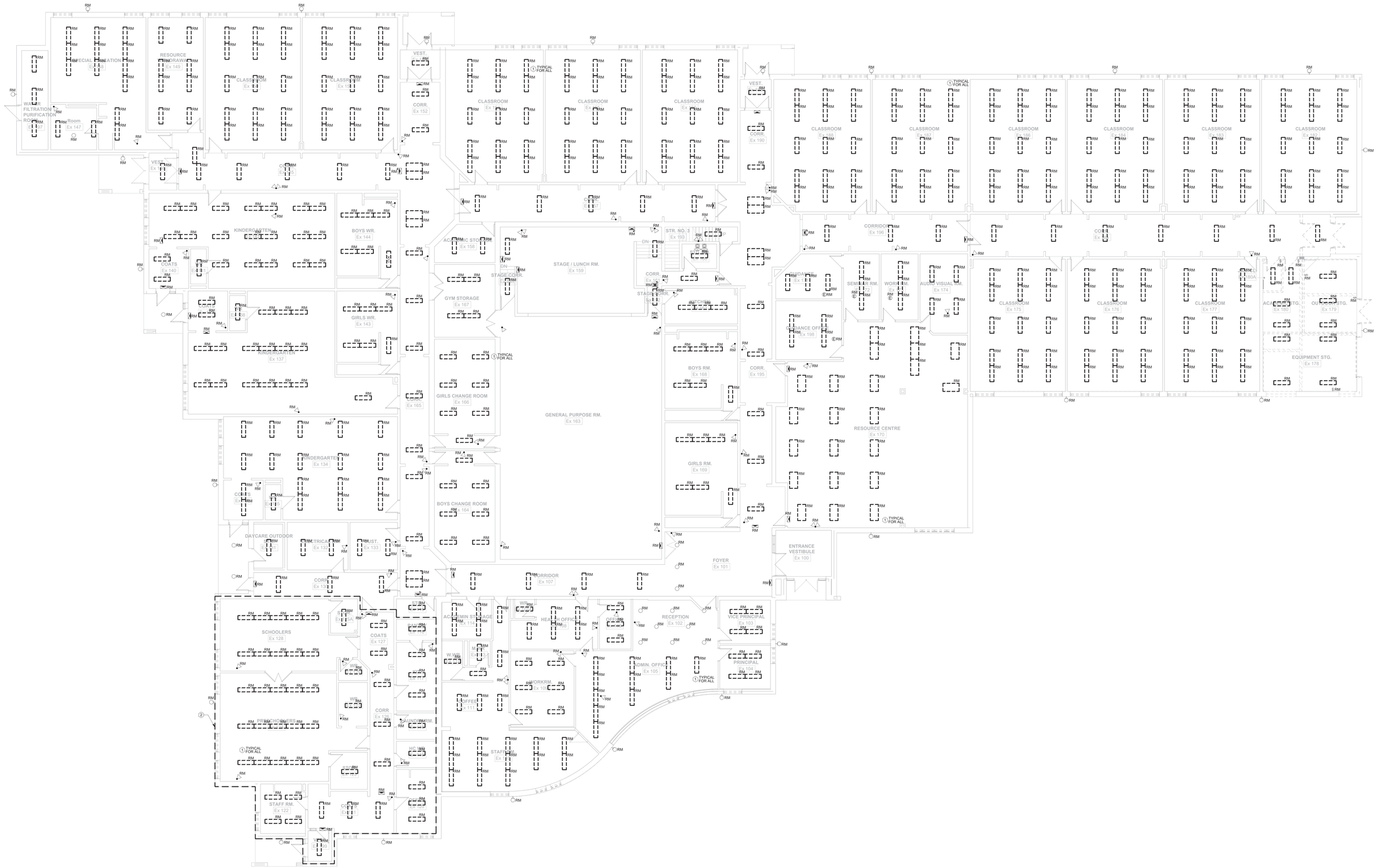
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No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
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4	ISSUED FOR REVIEW	2026-05-22
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1	ISSUED FOR REVIEW	2025-12-16
No	Revision	Date

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Drawing Title:
ELECTRICAL SITE PLAN

Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. 25092	Drawing No. E101



1 E201 ELECTRICAL LIGHTING DEMOLITION PLAN - GROUND FLOOR
SCALE: 1:100

KEYED NOTES

1. DISCONNECT & REMOVE EXISTING LIGHTING, BATTERY UNIT, EXIT SIGN AND REMOTE HEADS AS SHOWN. MAKE SAFE OF EXISTING WIRING TO RECONNECT TO NEW FIXTURES AT THE SAME LOCATION.
2. THE CONTRACTOR SHALL COMPLETE THE WORK WITHIN THE CHILDCARE SPACE IN PHASES TO ENSURE THAT THE SPACE IS FULLY OPERATIONAL AND AVAILABLE FOR USE BY THE NEXT BUSINESS DAY FOLLOWING EACH PHASE OF WORK.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

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Drawing Title:
ELECTRICAL LIGHTING DEMOLITION PLAN - GROUND FLOOR

Scale: 1:100	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E201

KEYED NOTES

1. DISCONNECT & REMOVE EXISTING LIGHTING, BATTERY UNIT, EXIT SIGN AND REMOTE HEADS AS SHOWN. MAKE SAFE OF EXISTING WIRING TO RECONNECT TO NEW FIXTURES AT THE SAME LOCATION.

PHASING GENERAL NOTES

L. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



1 E202 ELECTRICAL LIGHTING DEMOLITION PLAN - UPPER LEVEL
SCALE: 1:100

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Drawing Title:
ELECTRICAL LIGHTING DEMOLITION PLAN - UPPER LEVEL

Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E202

KEYED NOTES

1. EXISTING PANELS AND ASSOCIATED CONTACTOR, TIMER, INCOMING FEEDER AND BRANCH CIRCUITS SHALL BE DISCONNECTED AND REWORKED, EXTEND AND CONNECT TO THE RELOCATED PANEL AT THE NEW LOCATION AS SHOWN ON DRAWING E303. THE EXISTING STUB-UP CONDUIT & WIRING SHALL BE EXTENDED TO ABOVE CEILING AND RECONNECT TO RELOCATED PANEL TO SUIT. INCLUDE ALL ASSOCIATED COST..
2. EXISTING FIRE ALARM DEVICES SHALL BE DISCONNECTED AND REMOVED. REMOVE ASSOCIATED WIRING BACK TO SOURCE.
3. EXISTING MAIN FIRE ALARM CONTROL SHALL BE DISCONNECTED AND REPLACED WITH NEW CONTRACTOR SHALL INCLUDE SITE VERIFICATION OF ALL EXISTING ALARM ZONE, SUPERVISORY ZONE, AUXILIARY ZONES PRIOR TO DEMOLITION WORK. DOWNLOAD ALL EXISTING FIRE ALARM ZONING, ETC. INFORMATION PRIOR TO DECOMMISSION OF THE EQUIPMENT. ENSURE THE NEW FIRE ALARM PANEL CAN ACCOMMODATE ALL EXISTING ZONE AND ADDITIONAL ZONES. INCLUDE ALL COST.
4. ALL RECEPTACLES & MECHANICAL EQUIPMENT SHOWN SHALL BE DISCONNECTED AND REMOVED. REMOVE ASSOCIATED FEEDER BACK TO SOURCE.
5. THE EXISTING ANNUNCIATOR SHALL BE DISCONNECTED AND REMOVED. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
6. THE EXISTING PASSIVE GRAPHIC SHALL BE REPLACED WITH NEW PASSIVE GRAPHIC TO INCLUDE THE NEW ADDITION ZONE.
7. THE CONTRACTOR SHALL COMPLETE THE WORK WITHIN THE CHILDCARE SPACE IN PHASES TO ENSURE THAT THE SPACE IS FULLY OPERATIONAL AND AVAILABLE FOR USE BY THE NEXT BUSINESS DAY FOLLOWING EACH PHASE OF WORK.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



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Drawing Title:
ELECTRICAL POWER & F.A. DEMOLITION PLAN - GROUND FLOOR

Scale: 1:100	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E203

1
E203
ELECTRICAL POWER & F.A. DEMOLITION PLAN - GROUND FLOOR
SCALE: 1:100

KEYED NOTES

1. EXISTING PANELS AND ASSOCIATED CONTACTOR, TIMER, INCOMING FEEDER AND BRANCH CIRCUITS SHALL BE DISCONNECTED AND RELOCATED TO THE NEW LOCATION AS SHOWN ON DRAWING E304. THE UNDERGROUND CONDUIT & WIRING SHALL BE EXTENDED TO ABOVE CEILING AND REROUTING TO RELOCATED PANEL TO SUIT. INCLUDE ALL ASSOCIATED COST.
2. EXISTING LIGHTING DRIVERS SHALL BE REMOVED. CONTRACTOR SHALL SITE VERIFY ALL THE REDUNDANT LIGHTING DRIVER AFTER NEW LIGHTING REPLACEMENT.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



1 / E204 ELECTRICAL POWER & F.A. DEMOLITION PLAN - UPPER LEVEL
SCALE: 1:100

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Project North / True North

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6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR REVIEW	2025-12-16

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Drawing Title:
ELECTRICAL POWER & F.A. DEMOLITION PLAN - UPPER LEVEL

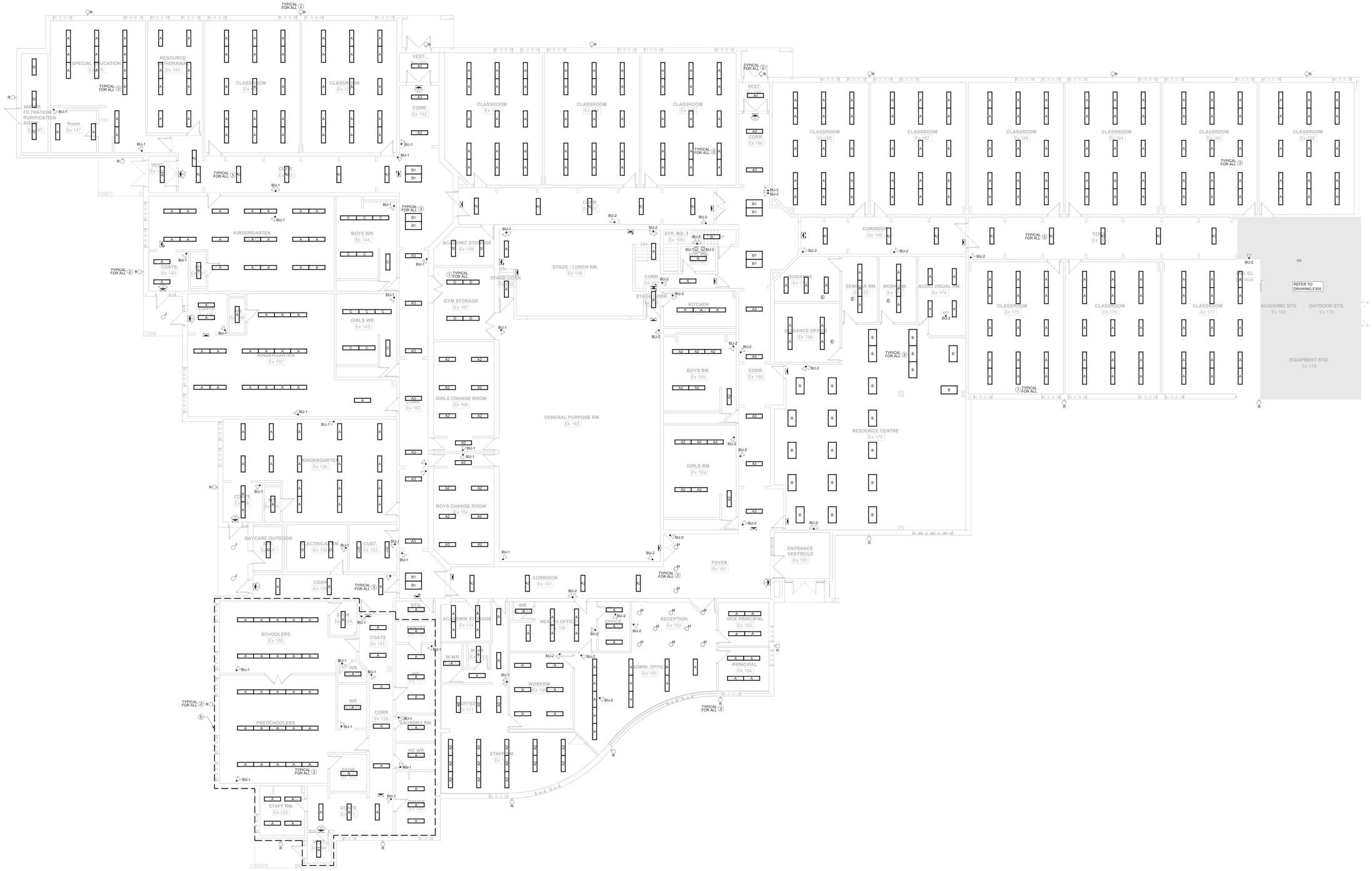
Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. 25092	Drawing No. E204

KEYED NOTES

1. PROVIDE NEW LIGHTING, EXIT SIGN, REMOTE HEADS AND BATTERY UNIT AS SHOWN AND INSTALL AT THE LOCATION WHERE THE PREVIOUS FIXTURE BEEN REMOVED. REWORK EXISTING WIRING OBTAINED FROM DEMOLITION AND RECONNECT TO THE NEW FIXTURE AS SHOWN.
2. CONTRACTOR SHALL SITE INSPECT FOR EXACT LOCATION & NUMBERS FOR EXISTING WALL SCONE. REWORK EXISTING WIRING OBTAINED FROM DEMOLITION AND RECONNECT TO THE NEW FIXTURE. INCLUDE ALL COST.
3. REWORK EXISTING LIGHTING CIRCUIT AND RECONNECT TO NEW LIGHTING FIXTURE AS SHOWN. REMOVE ASSOCIATED OLD DRIVER AND RECONNECT TO NEW. INCLUDED ALL ASSOCIATED CONDUIT AND WIRING TO SUIT.
4. CONTRACTOR SHALL PROVIDE NEW WEATHERPROOF OUTDOOR ROUND DOWNLIGHT TYPE 'G'. CONDUCT FIELD MEASUREMENT TO ENSURE PROPER FIXING IN EXISTING LOCATION, INCLUDE ALL NECESSARY ACCESSORIES TO SUIT.
5. ALL LIGHTING REPLACEMENT WORKS IN CHILDCARE AREA SHALL BE COMPLETED AFTER HOUR.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



1 E301 ELECTRICAL LIGHTING MODIFICATION PLAN - GROUND FLOOR
SCALE: 1:100

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ELECTRICAL LIGHTING MODIFICATION PLAN - GROUND FLOOR

Scale: 1:100	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E301

KEYED NOTES

1. PROVIDE NEW LIGHTING, EXIT SIGN, REMOTE HEADS AND BATTERY UNIT AS SHOWN AND INSTALL AT THE LOCATION WHERE THE PREVIOUS FIXTURE BEEN REMOVED. REWORK EXISTING WIRING OBTAINED FROM DEMOLITION AND RECONNECT TO THE NEW FIXTURE AS SHOWN.
2. REWORK EXISTING LIGHTING CIRCUIT AND RECONNECT TO NEW LIGHTING FIXTURE AS SHOWN. REMOVE ASSOCIATED OLD DRIVER AND RECONNECT TO NEW. INCLUDED ALL ASSOCIATED CONDUIT AND WIRING TO SUIT.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



1 / E302 ELECTRICAL LIGHTING MODIFICATION PLAN - UPPER LEVEL
SCALE: 1:100

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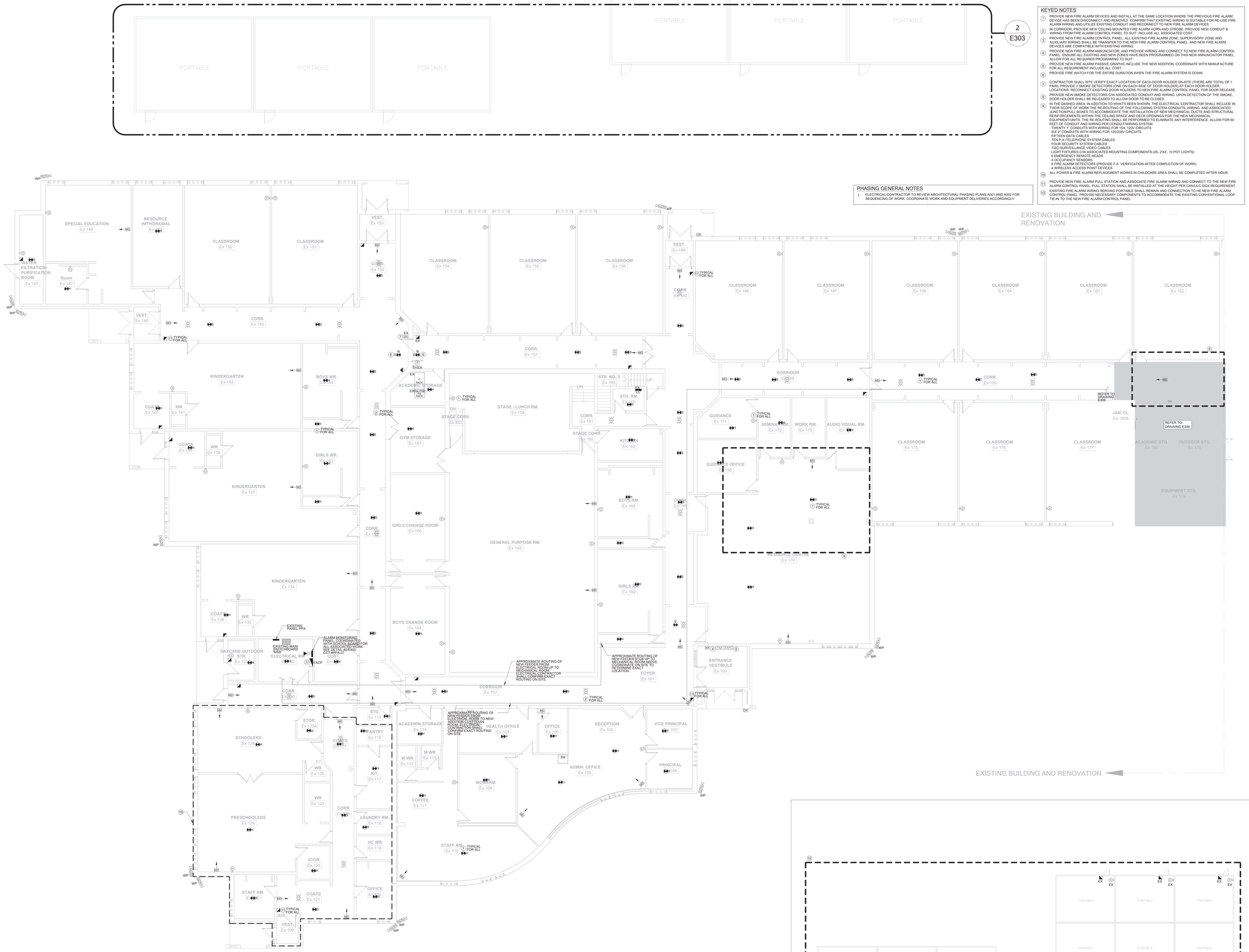
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Drawing Title:
ELECTRICAL LIGHTING MODIFICATION PLAN - UPPER LEVEL

Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E302



PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

KEYED NOTES

1. PROVIDE NEW FIRE ALARM DEVICES AND INSTALL AT THE SAME LOCATION WHERE THE PREVIOUS FIRE ALARM DEVICE HAS BEEN DISCONNECT AND REMOVED. CONFIRM THAT EXISTING WIRING IS SUITABLE FOR RE-USE FIRE ALARM WIRING AND UTILIZE EXISTING CONDUIT AND RECONNECT TO NEW FIRE ALARM DEVICES.
2. IN CORRIDOR, PROVIDE NEW CEILING MOUNTED FIRE ALARM HORN AND STROBE. PROVIDE NEW CONDUIT & WIRING FROM FIRE ALARM CONTROL PANEL TO SUIT. INCLUDE ALL ASSOCIATED COST.
3. PROVIDE NEW FIRE ALARM CONTROL PANEL. ALL EXISTING FIRE ALARM ZONE, SUPERVISORY ZONE AND AUXILIARY WIRING SHALL BE TRANSFER TO THE NEW FIRE ALARM CONTROL PANEL AND NEW FIRE ALARM DEVICES ARE COMPATIBLE WITH EXISTING WIRING.
4. PROVIDE NEW FIRE ALARM ANNUNCIATOR, AND PROVIDE WIRING AND CONNECT TO NEW FIRE ALARM CONTROL PANEL. ENSURE ALL EXISTING AND NEW ZONES HAVE BEEN PROGRAMMED ON THIS NEW ANNUNCIATOR PANEL. ALLOW FOR ALL REQUIRED PROGRAMING TO SUIT.
5. PROVIDE NEW FIRE ALARM PASSIVE GRAPHIC INCLUDE THE NEW ADDITION. COORDINATE WITH MANUFACTURE FOR ALL REQUIREMENT INCLUDE ALL COST.
6. PROVIDE FIRE WATCH FOR THE ENTIRE DURATION WHEN THE FIRE ALARM SYSTEM IS DOWN.
7. CONTRACTOR SHALL SITE VERIFY EXACT LOCATION OF EACH DOOR HOLDER ON-SITE (THERE ARE TOTAL OF 1 PAIR). PROVIDE 2 SMOKE DETECTORS (ONE ON EACH SIDE OF DOOR HOLDER) AT EACH DOOR HOLDER LOCATIONS. RECONNECT EXISTING DOOR HOLDERS TO NEW FIRE ALARM CONTROL PANEL FOR DOOR RELEASE.
8. PROVIDE NEW SMOKE DETECTORS C/W ASSOCIATED CONDUIT AND WIRING. UPON DETECTION OF THE SMOKE, DOOR HOLDER SHALL BE RELEASED TO ALLOW DOOR TO BE CLOSED.
9. IN THE DASHED AREA. IN ADDITION TO WHAT'S BEEN SHOWN, THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN THEIR SCOPE OF WORK THE RE-ROUTING OF THE FOLLOWING SYSTEM CONDUITS, WIRING, AND ASSOCIATED JUNCTION/PULL BOXES TO ACCOMMODATE THE INSTALLATION OF NEW MECHANICAL DUCTS AND STRUCTURAL REINFORCEMENTS WITHIN THE CEILING SPACE AND DECK OPENINGS FOR THE NEW MECHANICAL EQUIPMENT/UNITS. THE RE-ROUTING SHALL BE PERFORMED TO ELIMINATE ANY INTERFERENCE. ALLOW FOR 60 FEET OF CONDUIT AND WIRING PER CONDUIT/WIRING SYSTEM.
   - TWENTY 1" CONDUITS WITH WIRING FOR 15A, 120V CIRCUITS
   - SIX 2" CONDUITS WITH WIRING FOR 120/208V CIRCUITS
   - FIFTEEN DATA CABLES
   - TEN P.A./TELEPHONE SYSTEM CABLES
   - FOUR SECURITY SYSTEM CABLES
   - TWO SURVEILLANCE VIDEO CABLES
   - LIGHT FIXTURES C/W ASSOCIATED MOUNTING COMPONENTS (26- 2'X4', 10 POT LIGHTS)
   - 6 EMERGENCY REMOTE HEADS
   - 4 OCCUPANCY SENSORS
   - 8 FIRE ALARM DETECTORS (PROVIDE F.A. VERIFICATION AFTER COMPLETION OF WORK)
   - 4 WIRELESS ACCESS POINT DEVICES
10. ALL POWER & FIRE ALARM REPLACEMENT WORKS IN CHILDCARE AREA SHALL BE COMPLETED AFTER HOUR.
11. PROVIDE NEW FIRE ALARM PULL STATION AND ASSOCIATE FIRE ALARM WIRING AND CONNECT TO THE NEW FIRE ALARM CONTROL PANEL. PULL STATION SHALL BE INSTALLED AT THE HEIGHT PER CAN/ULC S524 REQUIREMENT.
12. EXISTING FIRE ALARM WIRING SERVING PORTABLE SHALL REMAIN AND CONNECTION TO HE NEW FIRE ALARM CONTROL PANEL. PROVIDE NECESSARY COMPONENTS TO ACCOMMODATE THE EXISTING CONVENTIONAL LOOP TIE-IN TO THE NEW FIRE ALARM CONTROL PANEL

1 E303 — ELECTRICAL POWER & F.A. MODIFICATION PLAN - GROUND FLOOR
SCALE: 1:100

2 E303 — ELECTRICAL POWER & F.A. MODIFICATION PLAN - PORTABLES
SCALE: 1:200

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Drawing Title:
ELECTRICAL POWER & F.A. MODIFICATION PLAN - GROUND FLOOR

Scale: 1:100	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E303

KEYED NOTES

1. PROVIDE NEW FIRE ALARM DEVICES PER NEW FIRE ALARM CONTROL PANEL PROVIDE NEW CONDUIT AND WIRING AND FIRE ALARM VERIFICATION TO SUIT.
2. PROVIDE NEW DUCT SMOKE DETECTOR AT THE SUPPLY DUCT AS SHOWN. CONNECT NEW DUCT SMOKE DETECTOR TO NEW FIRE ALARM CONTROL PANEL AND HRU CONTROL PANEL, SUCH THAT, UPON DETECTION OF SMOKE, HRU SHALL BE SHUT OFF. INCLUDE ALL COST. COORDINATE WITH GENERAL FOR 01001 INTEGRATION TESTING REQUIREMENT.
3. PROVIDE FREE STANDING (BOLTED TO THE FLOOR) UNISTRUTS/ MOUNTING BRACKETS FOR INSTALLATION OF WEATHERPROOF DISCONNECT SWITCH/WEATHERPROOF GFI SERVICE DUPLEX RECEPTACLE. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
4. 20A,120V COMBINATION WEATHERPROOF GFI SERVICE DUPLEX RECEPTACLE C/W WEATHERPROOF IN-USE COVER AND "EXTRA DUTY" LABEL, SIMILAR TO HUBBELL CATWMX3200.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

EXISTING BUILDING AND RENOVATION ◄ ADDITION



EXISTING BUILDING AND RENOVATION ◄ ADDITION

1 ELECTRICAL POWER & F.A. MODIFICATION PLAN - UPPER LEVEL
E304 SCALE: 1:100

SIMCOE MUSKOKA CATHOLIC DISTRICT SCHOOL BOARD

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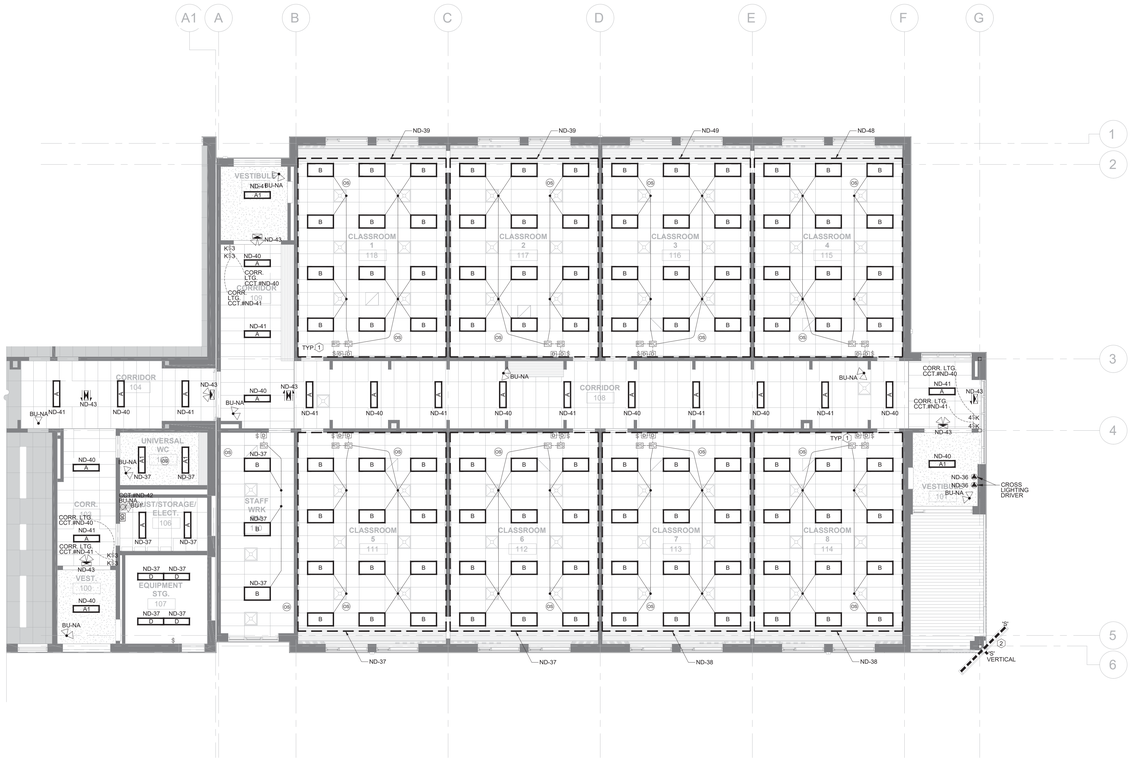
Scale: AS SHOWN	Date: NOV 2026
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Job No. **25092**	Drawing No. E304

KEYED NOTES

1. FOR EACH ROOM CONTROLLER, PROVIDE SINGLE POLE DOUBLE THROW LIGHT SWITCH (WALL MOUNTED IN ACCESSIBLE CEILING SPACE ABOVE WALLSTATIONS/CLASSROOM CONTROL PANEL) AND DOUBLE POLE SINGLE THROW LIGHT SWITCH RECESS MOUNTED ON THE WALL/CLASSROOM CONTROL PANEL (WHERE APPLICABLE). BOTH SWITCHES SHALL OVERRIDE RESPECTIVE ROOM CONTROLLER USED FOR 120V LIGHTING IN THE RESPECTIVE ROOM(S)/SPACE(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH LOCATED ABOVE WALL STATIONS/CLASSROOM CONTROL PANEL AND ON CEILING GRID BELOW SWITCH, AS WELL AS THE BY-PASS SWITCH MOUNTED ON CLASSROOM CONTROL PANEL OR ON WALL. ADJUST ALL COMPONENTS TO SUIT. REFER TO DETAIL #2 ON DRAWING E402 FOR WIRING SCHEMATIC DIAGRAM.
2. REFER TO ARCHITECTURAL DRAWING FOR FURTHER DETAIL OF TYPE 'S' LIGHTING FOR CROSS. CONTRACTOR SHALL CONDUCT FIELD MEASUREMENT TO ENSURE LENGTH OF STRIP. PROVIDE COMPATIBLE DRIVER AND MOUNTING ACCESSORIES TO SUIT THE INSTALLATION.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



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Drawing Title:
ELECTRICAL LIGHTING ADDITIONAL PLAN

Scale: 1:100	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E305

1 E305 ELECTRICAL LIGHTING ADDITIONAL PLAN
SCALE: 1:100

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.

KEYED NOTES

1. FOR VAV BOXES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR AND ON SITE BEFORE ROUGHING IN.
2. PROVIDE NEW FIRE ALARM SUPERVISORY ZONE AND AUXILIARY ZONE FOR NEW FIRE SMOKE DAMPER ON CCT.#ND-31, 32. SUPERVISORY ZONE SHALL BE LABEL AS "LOSS OF POWER FIRE SMOKE DAMPER".
3. PROVIDE TIE-IN TO THE NEW FIRE ALARM RELAY SUCH THAT DOOR HOLDER SHALL BE RELEASED TO ALLOW DOOR TO BE CLOSED UPON INITIATION OF FIRE ALARM.
4. EXISTING PANEL OBTAINED FROM DEMOLITION AND SHALL BE INSTALLED AT THE LOCATION AS SHOWN. EXTEND EXISTING INCOMING FEEDER AND ALL ASSOCIATED BRANCH CIRCUITS AND RECONNECT TO RESPECTIVE PANEL AND ASSOCIATE BREAKERS TO SUIT. INCLUDE ALL COST.

FIRE/SMOKE DAMPERS:

LEGEND:

DUCT SMOKE DETECTOR FOR FIRE/SMOKE DAMPER

FSD

PANEL NAME-XX ← INDICATES 120V CIRCUIT FOR FIRE/SMOKE DAMPER ACTUATOR

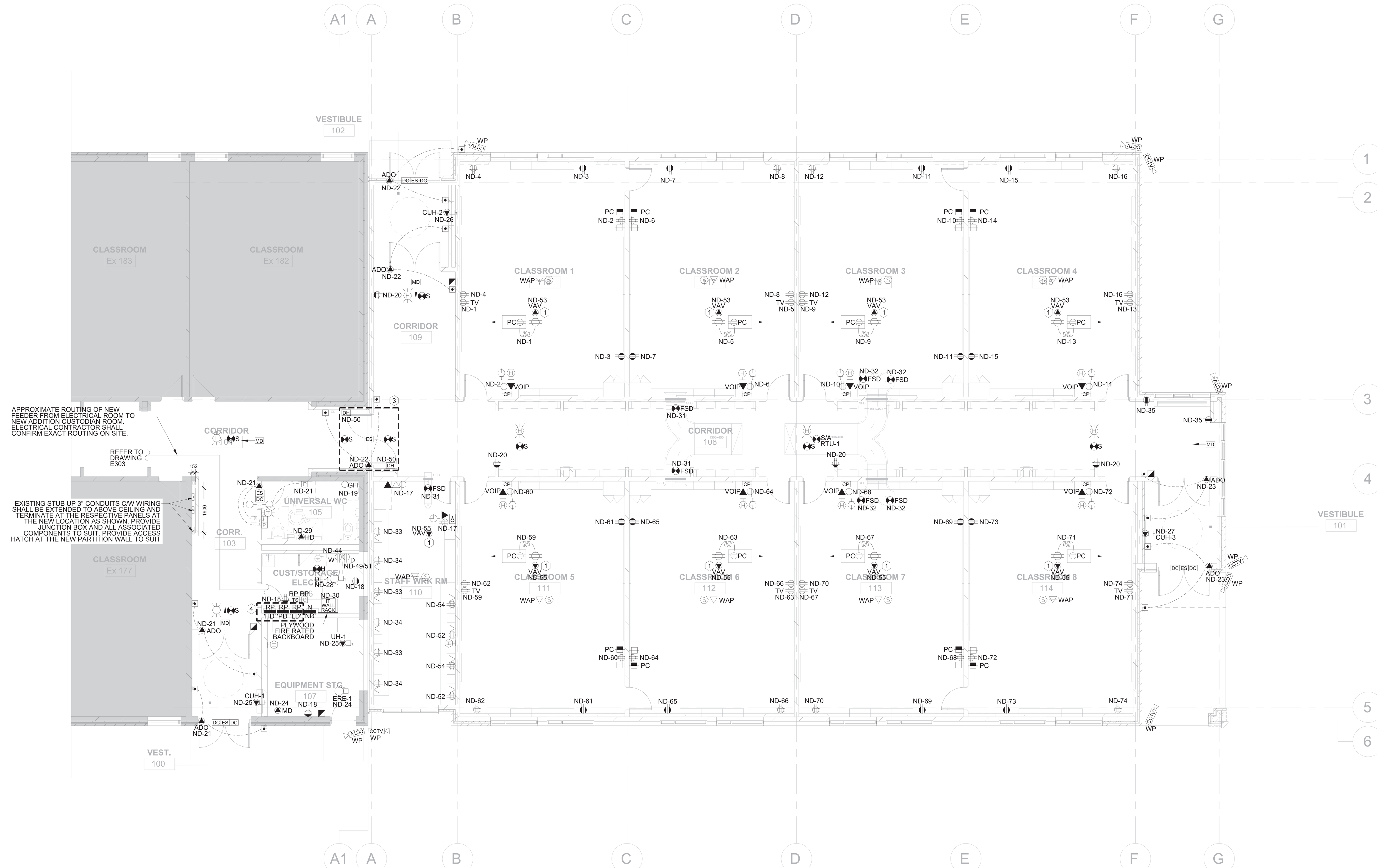
NOTES:

1. EXACT LOCATION OF FIRE/SMOKE DAMPERS SHALL BE DETERMINED AS PER MECHANICAL DRAWINGS AND ON SITE. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
2. DUCT SMOKE DETECTOR FOR FIRE/SMOKE DAMPER SHALL BE INSTALLED DOWNSTREAM (AIR FLOW DIRECTION) OF SEPARATION. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR AND ON SITE.
3. DUCT SMOKE DETECTOR FOR FIRE/SMOKE DAMPER SHALL BE COMPLETE WITH TWO (2) DPDT FORM-C RELAYS WITH 120V INPUT CONTACTS FOR FIRE/SMOKE DAMPER ACTUATOR OPERATION AND INTEGRATION SEQUENCE.

FIRE/SMOKE DAMPER OPERATION SEQUENCE:

PROVIDE ALL REQUIRED RELAYS AND COMPONENTS TO ACHIEVE THE FOLLOWING SEQUENCE:

1. NORMAL CONDITION:
   - 120V POWER SHALL BE PROVIDED TO FIRE/SMOKE DAMPER ACTUATOR TO KEEP DAMPER IN OPEN POSITION.
2. ALARM CONDITION:
   - ACTIVATION OF DUCT/CEILING SMOKE DETECTOR OF RESPECTIVE FIRE/SMOKE DAMPER (MOUNTED DOWNSTREAM OF SEPARATION) SHALL DISCONNECT 120V POWER TO FIRE/SMOKE DAMPER ACTUATOR AND CLOSE THE DAMPER.
3. LOSS OF POWER:
   - LOSS OF 120V POWER TO ACTUATOR SHALL BE PROGRAMMED IN FACP AS TROUBLE FOR CIRCUITS AS INDICATED ON FIRE ALARM RISER DIAGRAM



1 E306 ELECTRICAL POWER & F.A. ADDITIONAL PLAN

SCALE: 1:100

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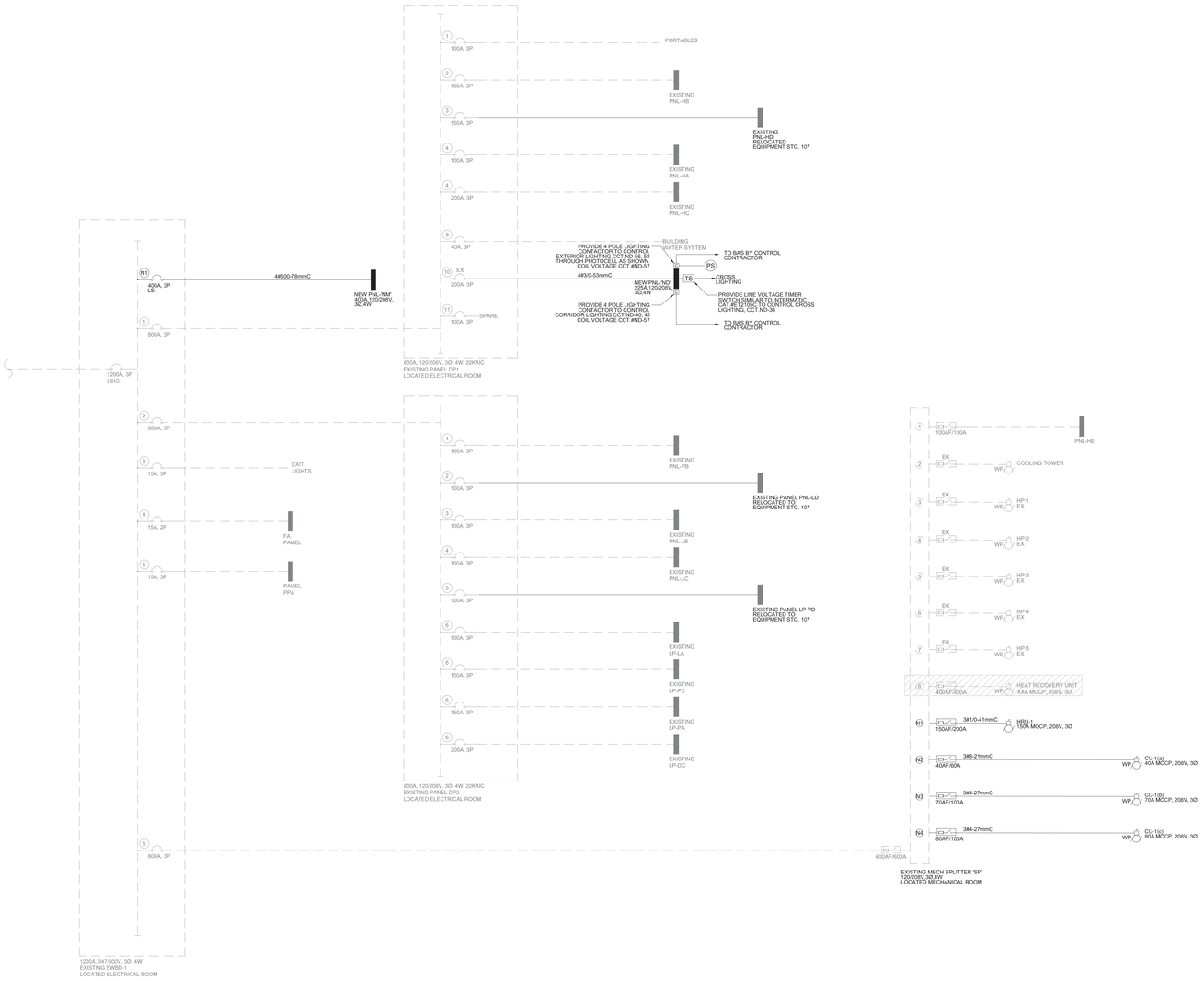
Drawing Title:

ELECTRICAL POWER & F.A. ADDITIONAL PLAN

Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. 25092	Drawing No. E306

LEGEND:

- EXISTING
- DEMOLITION
- NEW



2 E401 ELECTRICAL SINGLE LINE DIAGRAM
SCALE: N.T.S.

NEW PANEL LP-'ND'

225A MAINS, 84 CCTS, 120/208V, 3Ø, 4W 14KAIC
SURFACE MOUNTED PANEL

LOCATION: CUST/STORAGE 106

DESCRIPTION	LOAD (W)	BRKR SIZE	A	B	C		BRKR SIZE	LOAD (W)	DESCRIPTION
CLASSROOM 1 RECP	600	15A/1P	1			2	15A/1P	600	CLASSROOM 1 RECP
CLASSROOM 1 RECP	600	15A/1P		3		4	15A/1P	600	CLASSROOM 1 RECP
CLASSROOM 2 RECP	800	15A/1P			5	6	15A/1P	800	CLASSROOM 2 RECP
CLASSROOM 2 RECP	800	15A/1P	7			8	15A/1P	800	CLASSROOM 2 RECP
CLASSROOM 3 RECP	600	15A/1P		9		10	15A/1P	600	CLASSROOM 3 RECP
CLASSROOM 3 RECP	600	15A/1P	11			12	15A/1P	600	CLASSROOM 3 RECP
CLASSROOM 4 RECP	600	15A/1P	13			14	15A/1P	600	CLASSROOM 4 RECP
CLASSROOM 4 RECP	600	15A/1P		15		16	15A/1P	600	CLASSROOM 4 RECP
STAFF WORK RM RECP	400	15A/1P			17	18	20A/1P	400	STORAGE 106, 107 RECP
UNIV WR RECP	200	15A/1P	19			20	20A/1P	400	CORR RECP
AUTOMATIC DOOR OPEN DEVICES	100	15A/1P		21		22	15A/1P	100	AUTOMATIC DOOR OPEN DEVICES
AUTOMATIC DOOR OPEN DEVICES	100	15A/1P			23	24	15A/1P	100	ERE-1, MOTORIZE DAMPER
CUH-1, UH-1	150	20A/1P	25			26	20A/1P	150	CUH-2
CUH-3	150	20A/1P		27		28	15A/1P	100	DE-1
HAND DRYER	500	20A/1P			29	30	15A/1P	1000	IT RACK
FSD	100	15A/1P	31			32	15A/1P	100	FSD
STAFF WRK RM RECP	1200	20A/1P		33		34	20A/1P	800	STAFF WRK RM RECP
USB CHARGE STATION RECP	400	15A/1P			35	36	15A/1P	500	CROSS LIGHTING
RM 105-107, 110-112 LIGHTING	1050	15A/1P	37			38	15A/1P	1080	RM 113-114 LIGHTING
RM 117-118 LIGHTING	1080	15A/1P		39		40	15A/1P	330	CORRIDOR LIGHTING
CORRIDOR LIGHTING	330	15A/1P			41	42	15A/1P	500	BATTERY UNIT
EXIT SIGN	200	15A/1P	43			44	15A/1P	500	WASHER
SPARE		15A/1P		45		46	20A/1P	100	ROOF RECP
SPARE		15A/1P			47	48	15A/1P	800	RM 115-116 LIGHTING
DRYER	2000	30A/2P	49			50	15A/1P	100	DOOR HOLD
				51		52	15A/1P	600	STAFF WRK RM RECP
VAV BOX	600	15A/1P	53			54	15A/1P	600	STAFF WRK RM RECP
VAV BOX	600	15A/1P		55		56	15A/1P	300	EXTERIOR LIGHTING
COIL VOLTAGE FOR PHOTOCELL CONTACTOR	200	15A/1P			57	58	15A/1P	900	EXTERIOR LIGHTING
CLASSROOM 5 RECP	600	15A/1P	59			60	15A/1P	600	CLASSROOM 5 RECP
CLASSROOM 5 RECP	600	15A/1P		61		62	15A/1P	600	CLASSROOM 5 RECP
CLASSROOM 6 RECP	800	15A/1P	63			64	15A/1P	800	CLASSROOM 6 RECP
CLASSROOM 6 RECP	800	15A/1P		65		66	15A/1P	800	CLASSROOM 6 RECP
CLASSROOM 7 RECP	600	15A/1P	67			68	15A/1P	600	CLASSROOM 7 RECP
CLASSROOM 7 RECP	600	15A/1P		69		70	15A/1P	600	CLASSROOM 7 RECP
CLASSROOM 8 RECP	600	15A/1P	71			72	15A/1P	600	CLASSROOM 8 RECP
CLASSROOM 8 RECP	600	15A/1P	73			74	15A/1P	600	CLASSROOM 8 RECP
				75		76			
					77	78			
			79			80			
				81		82			
					83	84			

TOTAL	19160				19260	

TOTAL CONNECTED LOAD	38.4

PANEL LP-'NM'

400A MAINS, 30 CCTS, 120/208V, 3Ø, 4W 14KAIC
SURFACE MOUNTED PANEL

LOCATION: 2/F MECH ROOM

DESCRIPTION	LOAD (W)	BRKR SIZE	A	B	C		BRKR SIZE	LOAD (W)	DESCRIPTION
RTU-1	65000	200A/3P	1			2	45A/3P	8700	P-3
			3			4			
			5			6			
P-4	8700	45A/3P	7			8	15A/3P	3800	P-5
			9			10			
			11			12			
P-6	3800	15A/3P	13			14	15A/1P	200	GMU-1
			15			16	15A/1P	200	WE-1, CRE-1
			17			18			
			19			20			
			21			22			
			23			24			
			25			26			
			27			28			
			29			30			

TOTAL	77500				12900	

TOTAL CONNECTED LOAD	90.4

1 E401 ELECTRICAL PANEL SCHEDULE
SCALE: N.T.S.

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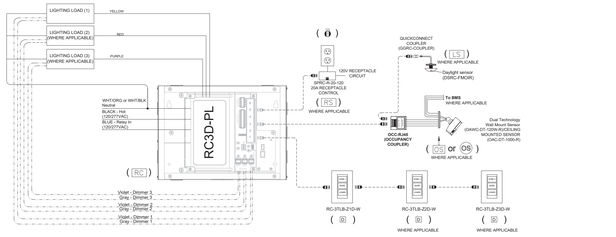
No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR REVIEW	2025-12-16
No	Revision	Date

This drawing is sized for 36"x48" sheet size.
If not the above size, interpret the drawing accordingly.

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
ELECTRICAL SINGLE LINE DIAGRAM & PANEL SCHEDULE

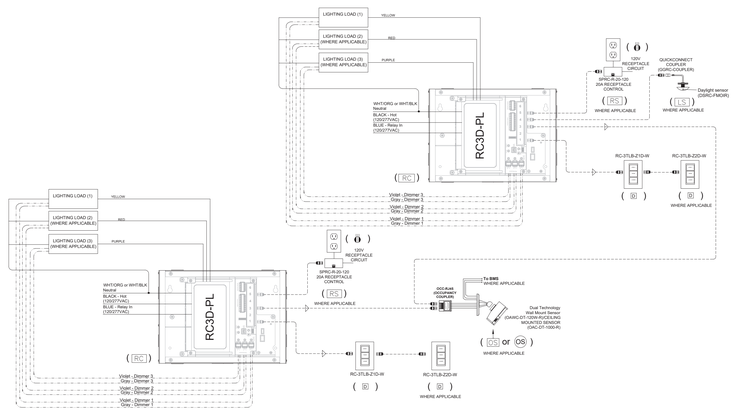
Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. 25092	Drawing No. E401



1A
E402

TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH ONE(1) ROOM CONTROLLER & ONE (1) CIRCUIT

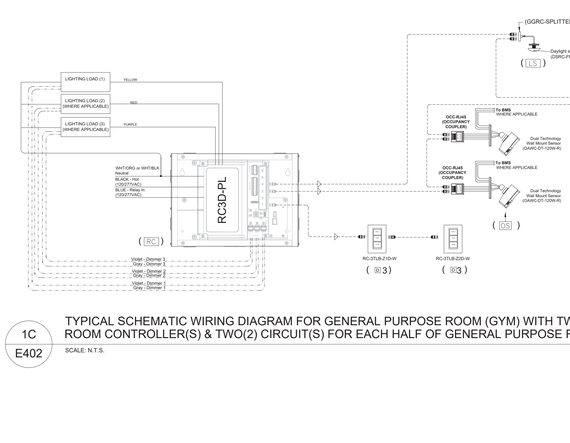
SCALE: N.T.S.



1B
E402

TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH TWO(2) ROOM CONTROLLER(S) & TWO(2) CIRCUIT(S)

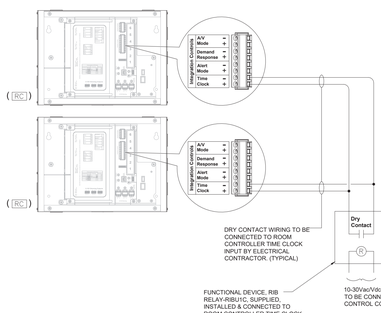
SCALE: N.T.S.



1C
E402

TYPICAL SCHEMATIC WIRING DIAGRAM FOR GENERAL PURPOSE ROOM (GYM) WITH TWO (2) ROOM CONTROLLER(S) & TWO(2) CIRCUIT(S) FOR EACH HALF OF GENERAL PURPOSE ROOM

SCALE: N.T.S.



1D
E402

TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM CONTROLLER(S) CONTROLLING LIGHT FIXTURES IN RESPONSE TO BUILDING MANAGEMENT INPUT SIGNAL

SCALE: N.T.S.

TIME CLOCK CONTROL SEQUENCE:

ROOM CONTROLLER TIME CLOCK INPUT SHALL BE PROGRAMMED AS FOLLOWS:

1. WHEN BUILDING IS 'OCCUPIED', THE RELAY RIBU1C DRY CONTACT WILL BE 'CLOSED' BY BUILDING MANAGEMENT SYSTEM (BMS) AND THE RESPECTIVE ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHT FIXTURES TO 50% OUTPUT LEVEL.

   WHEN RESPECTIVE SPACE IS OCCUPIED ALL LIGHT FIXTURES SHALL BE RAISED TO 100% OUTPUT LEVEL AND WHEN SPACE IS NOT OCCUPIED ALL LIGHT FIXTURES SHALL BE MAINTAINED AT 50% OUTPUT LEVEL.

2. WHEN BUILDING IS 'VACANT' (NOT OCCUPIED), THE RELAY RIBU1C DRY CONTACT WILL BE 'OPEN' BY BUILDING MANAGEMENT SYSTEM (BMS) AND THE RESPECTIVE ROOM CONTROLLER(S) SHALL TURN 'OFF' ALL LIGHT FIXTURES.

NOTE:

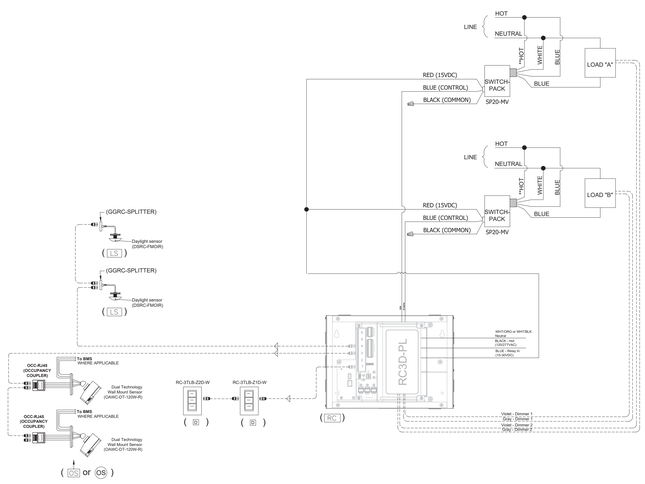
TO ACHIEVE ABOVE SEQUENCE, CONTRACTOR SHALL ENSURE THAT DIP SWITCHES 3 & 4 ARE PLACED IN 'ON' POSITION AND SCENE 5 & 6 ARE PROGRAMMED TO 50% AND 100% RESPECTIVELY. COORDINATE ALL WORK WITH MANUFACTURER ON SITE.

LEGEND:

———	120V CIRCUIT
- - - - -	RJ45 QUICK CONNECT CABLE
- - - - -	0-10V LOW VOLTAGE DIMMING CABLE
D	ROOM CONTROLLER WALLSTATION (LIGHT SWITCH/DIMMER - MOUNTED ON CLASSROOM CONTROL PANEL/WALL) COOPER, CAT.: #RC-3TLB-W ALL LIGHT SWITCHES(DIMMER(S) SHALL BE INSTALLED IN OUTLET BOX C/W CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE. BUTTONS SHALL BE COMPLETE WITH ENGRAVE 'ON/OFF OR ZONE'; 'RAISE'; 'LOWER' DESIGNATION.
RC	ROOM CONTROLLER COOPER, CAT.: #RC3D-PL
i OS	DUAL TECH WALL MOUNTED OCCUPANCY SENSOR COOPER, CAT. #OAWC-DT-120W-R C/W OCCUPANCY SENSOR COUPLER COOPER, #OCC-RJ45
OS	DUAL TECH CEILING MOUNTED OCCUPANCY SENSOR COOPER, CAT. #OAC-DT-1000-R C/W OCCUPANCY SENSOR COUPLER COOPER, #OCC-RJ45
LS	DAYLIGHT SENSOR (WHERE APPLICABLE) COOPER, CAT. #DSRC-FMOR C/W QUICKCONNECT COUPLER COOPER, CAT. #QGRC-COUPLER (IN GYM, DAYLIGHT SENSOR SHALL BE C/W POWER LAYOUT(S) FOR EXACT LOCATION(S) AND CIRCUIT NUMBER(S) IN EACH RESPECTIVE ROOM(S)/AREA(S).
RS	RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE) COOPER CAT. #SPRC-R-20-120
i	RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR THROUGH RECEPTACLE RATED SWITCHPACK/ROOM CONTROLLER REFER TO ELECTRICAL FLOOR PLAN(S) FOR POWER LAYOUT(S) FOR EXACT LOCATION(S) AND CIRCUIT NUMBER(S) IN EACH RESPECTIVE ROOM(S)/AREA(S).

NOTES

1. RJ45 QUICK CONNECT CABLE LENGTHS SHALL BE PROVIDED AS PER SITE MEASUREMENTS. REFER TO FLOOR PLAN(S).
2. AUTO-ON SEQUENCE FOR DIGITAL DIMMING CONTROL OF LIGHT FIXTURE(S) & RECEPTACLE(S):
   - A. FOR DIGITAL LIGHTING CONTROL WITH ROOM CONTROLLER(S) IN TYPICAL CLASSROOM(S) / SPACE(S)/AREA(S): THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE FOR LIGHT FIXTURE(S) & RECEPTACLE(S) IN RESPECTIVE CLASSROOM(S)/ROOM(S)/AREA(S):
     1. WHEN ROOM/SPACE IS OCCUPIED: THE OCCUPANCY SENSOR(S) OF THE RESPECTIVE ROOM/ SPACE THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHT FIXTURE(S) TO 80% OUTPUT LEVEL & ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE).
     2. DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
     3. 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN THE RESPECTIVE ROOM / SPACE SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING 'ON/OFF' PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
     4. DAYLIGHT SENSOR (WHERE APPLICABLE) SHALL BE PROGRAMMED/SET SUCH THAT LIGHTING FIXTURE(S) MOUNTED IN BOTH PRIMARY SIDE LIGHTING AND SECONDARY SIDE LIGHTING (WHERE APPLICABLE) AREA(S) SHALL BE AUTOMATICALLY DIM/RISE TO MAINTAIN 45FC LIGHTING OUTPUT LEVEL AT ALL TIME IN BOTH SIDE LIGHTING AREA(S).
     5. IF THE SPACE / ROOM IS NOT OCCUPIED FOR 20 MINUTES: OCCUPANCY SENSOR(S) SHALL TURN 'OFF' ALL LIGHT FIXTURE(S) IN THE RESPECTIVE ROOM / SPACE & DE-ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE). STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF ALL LIGHT FIXTURES AS DESCRIBED ABOVE).
   - B. FOR DIGITAL LIGHTING CONTROL IN GENERAL PURPOSE ROOM (GYM): THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE OF LIGHT FIXTURE(S) IN RESPECTIVE EACH THIRD OF GYM:
     1. LIGHTING FIXTURES (ON CIRCUITS AS SHOWN ON FLOOR PLAN) IN EACH HALF OF GYM SHALL BE CONTROLLED THROUGH THE RESPECTIVE ROOM CONTROLLER(S) CONNECTED TO THE RESPECTIVE LIGHTING CIRCUIT(S). ROOM CONTROLLER(S) SHALL CONTROL GYM LIGHT FIXTURES IN EACH HALF OF GYM WITH ASSOCIATED TWO(2) OCCUPANCY SENSORS AND WALL STATIONS.
     2. WHEN ANY HALF OF GYM IS OCCUPIED; THE OCCUPANCY SENSOR(S) THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN 'ON' ALL LIGHTING FIXTURE(S) TO 50% OUTPUT LEVEL OF RESPECTIVE HALF OF GYM AREA.
     3. DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
     4. 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN RESPECTIVE EACH HALF OF GYM SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING ON/OFF PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
     5. IF ANY HALF OF GYM IS NOT OCCUPIED FOR 20 MINUTES: OCCUPANCY SENSOR(S) SHALL TURN 'OFF' ALL LIGHT FIXTURE(S) IN THE RESPECTIVE HALF OF GYM. STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF THE LIGHTING FIXTURE(S) AS DESCRIBED ABOVE).



1E
E402

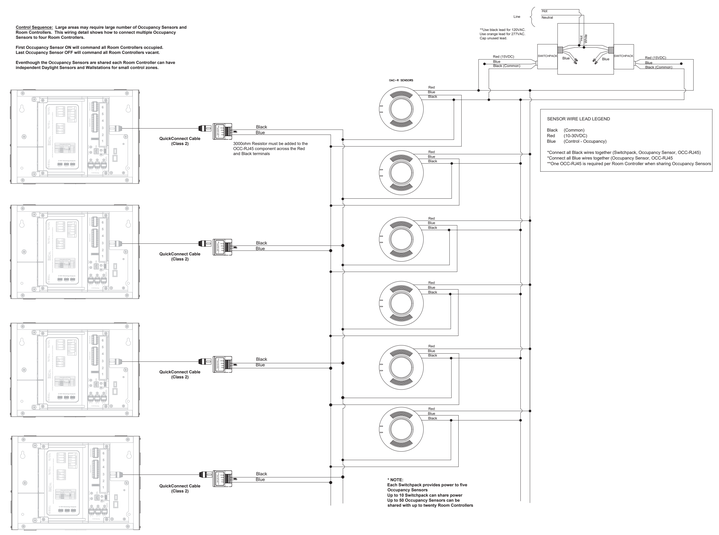
TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S) WITH ONE ROOM CONTROLLER, TWO(2) CIRCUIT(S) AND TWO (2) LIGHT SENSORS

SCALE: N.T.S.

Control Sequence: Large areas may require large number of Occupancy Sensors and Room Controllers. This wiring detail shows how to connect multiple Occupancy Sensors to four Room Controllers.

First Occupancy Sensor ON will command all Room Controllers occupied.
Last Occupancy Sensor OFF will command all Room Controllers vacant.

Eventhough the Occupancy Sensors are shared each Room Controller can have independent Daylight Sensors and Wallstations for small control zones.

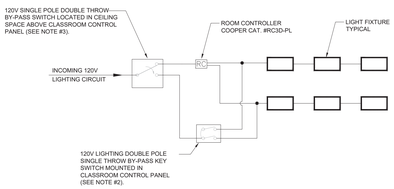


PROVIDE ADDITIONAL DEVICES WIRING/POWER PACK(S)/COMPONENTS FOR COMPLETE SYSTEM OPERATION, AS SHOWN ON FLOOR PLANS.

1F
E402

TYPICAL SCHEMATIC WIRING DIAGRAM FOR AREAS WITH MORE THAN TWO (2) OCCUPANCY SENSORS

SCALE: N.T.S.



NOTES:

1. THIS SCHEMATIC DIAGRAM IS FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS TO ACHIEVE INTENT OF WORK AS SHOWN FOR THE REQUIRED AREAS/SPACES.
2. NUMBER OF DOUBLE POLE SINGLE THROW BY PASS KEY SWITCHES MOUNTED ON CLASSROOM CONTROL PANEL/WALL SHALL BE PROVIDED TO SUIT NUMBER OF SWITCHING ZONE(S) OF EACH ROOM CONTROLLER IN RESPECTIVE ROOM/SPACE/AREA.
3. NUMBER OF SINGLE POLE DOUBLE THROW BY PASS SWITCHES LOCATED IN CEILING SPACE SHALL BE PROVIDED TO SUIT NUMBER OF LIGHTING CIRCUITS OF EACH ROOM CONTROLLER IN RESPECTIVE ROOM/SPACE/AREA.

2
E402

TYPICAL 120V LIGHTING CIRCUIT WIRING SCHEMATIC WITH ROOM CONTROLLER (RC)

SCALE: N.T.S.

1
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TYPICAL DIGITAL DIMMING CONTROL SCHEMATIC WIRING DIAGRAM(S) WITH ROOM CONTROLLER(S)

SCALE: N.T.S.

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No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR REVIEW	2025-12-16
No	Revision	Date

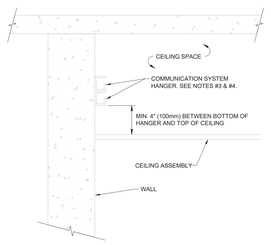
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Drawing Title:

ELECTRICAL LIGHTING CONTROL DETAILS

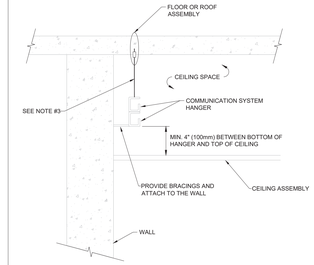
Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E402



NOTES

1. INSTALLATION OF HANGERS IS TO BE COORDINATED WITH MECHANICAL DIVISION AND ALL OTHER ASSOCIATED TRADES.
2. HANGERS ARE TO BE INSTALLED IN LINE ALONG LENGTH OF CORRIDOR AT MAXIMUM 4'-0" (1.2M) INTERVALS.
3. MOUNT ON WALL OR FACE OF LOCKER BULKHEAD WHERE APPLICABLE.
4. ELECTRICAL CONTRACTOR MUST COORDINATE WITH OTHER DIVISIONS OF THIS CONTRACT AND MAINTAIN 18" (450mm) CLEARANCE IN FRONT OF CABLE MANAGEMENT DUAL HANGERS. (INSTALLATION WILL BE DEEMED UNACCEPTABLE IF THIS DIVISION FAILS TO COMPLY) PROVIDE INTERFERENCE DRAWINGS.

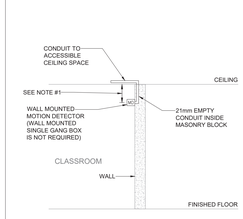
10 E403 WALL MOUNTED CABLE MANAGEMENT HANGER DETAIL
SCALE: N.T.S.



NOTES

1. INSTALLATION OF HANGERS IS TO BE COORDINATED WITH MECHANICAL DIVISION AND ALL OTHER ASSOCIATED TRADES.
2. HANGERS ARE TO BE INSTALLED IN LINE ALONG LENGTH OF CORRIDOR AT MAXIMUM 4'-0" (1.2M) INTERVALS.
3. PROVIDE 3/8" (9mm) THREADED HANGER ROD COMPLETE WITH ANCHOR TO SUPPORT COMMUNICATIONS SYSTEM HANGERS.

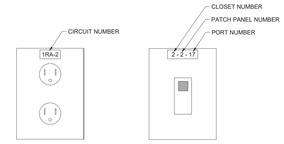
9 E403 CEILING MOUNTED CABLE MANAGEMENT HANGER DETAIL
SCALE: N.T.S.



NOTES

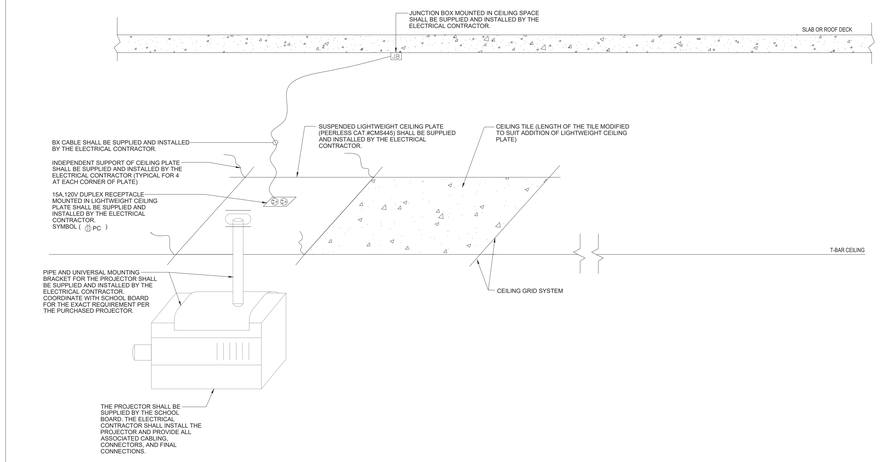
1. APPROXIMATELY 100mm BELOW CEILING WITH EXCEPTION OF ROOMS WITH HIGH CEILING WHERE IT SHOULD BE INSTALLED APPROXIMATELY 2900mm AFF.

8 E403 TYPICAL INSTALLATION OF WALL MOUNTED MOTION DETECTOR
SCALE: N.T.S.

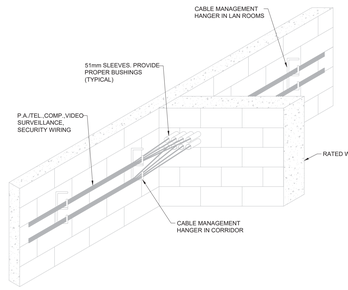


PROVIDE ROOM IDENTIFICATION AND LABELLING. COORDINATE EXACT ROOM IDENTIFICATION AND LABELLING WITH SMCDSB INFORMATION TECHNOLOGY REPRESENTATIVE.

5 E403 TYPICAL LABELING OF RECEPTACLES & DATA OUTLETS
SCALE: N.T.S.



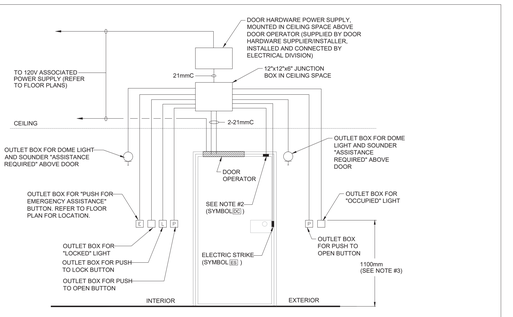
1 E403 TYPICAL INSTALLATION OF AUDIO VIDEO DEVICES FOR ROOMS DESIGNATED WITH PROJECTORS
SCALE: N.T.S.



NOTES :

- FOR ALL EMPTY CONDUITS PROVIDE PROPER BUSHINGS AT TERMINATIONS INTO CABLE MANAGEMENT HANGER, SERVER RM., ELECTRICAL RM., E.T.C.
- CONDUITS COMPLETE WITH LIVE AND LOW VOLTAGE ARE NOT ALLOWED TO BE ATTACHED TO CABLE TRAY.

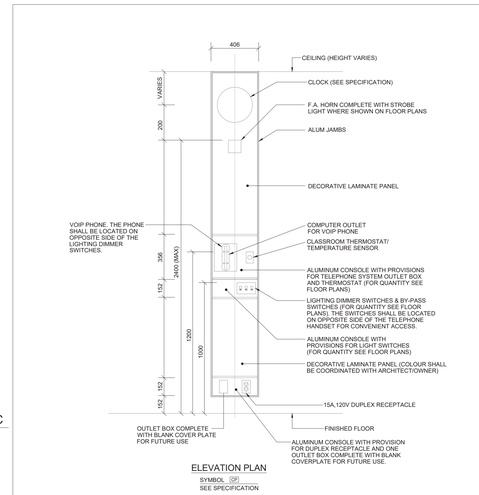
11 E403 CABLE MANAGEMENT DUAL HANGER/CABLE TRAY AND PENETRATION OF SYSTEM CABLES THROUGH RATED WALLS DETAIL
SCALE: N.T.S.



NOTES:

1. ALL CONDUITS ARE 16mm (1/2") UNLESS OTHERWISE NOTED. ALL EMPTY CONDUIT(S) SHALL BE COMPLETE WITH PULL STRING(S).
2. LOCAL DOOR CONTACT FOR DOOR OPERATOR INTERLOCK OPERATION (THIS DOOR CONTACT IS NOT REQUIRED TO BE CONNECTED TO THE SECURITY SYSTEM)
3. COORDINATE EXACT MOUNTING HEIGHT OF OUTLETS WITH ARCHITECTURAL DRAWINGS
4. ALL LOW VOLTAGE WIRING SHALL BE MINIMUM 99%AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.

6 E403 UNIVERSAL WASHROOM DOOR OPERATOR AND EMERGENCY ASSISTANCE SYSTEM SCHEMATIC
SCALE: N.T.S.



ELEVATION PLAN

SYMBOL SEE SPECIFICATION

NOTES:

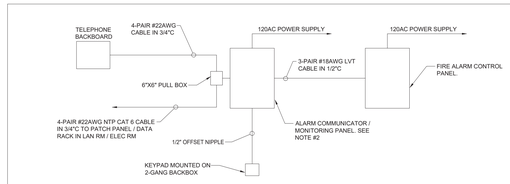
1. CLASSROOM CONTROL PANEL SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION (SEE ELECTRICAL SPECIFICATION)
2. P.A. SPEAKER. P.A. SPEAKER BACK BOX, P.A. SPEAKER GRILL, F.A. CONE SPEAKER, F.A. CONE SPEAKER/STROBE LIGHT COMBINATION, CLOCK, RECEPTACLE, OUTLET BOX FOR P.A./TELEPHONE HANDSET, P.A./TELEPHONE HANDSET, OUTLET BOX COMPLETE WITH BLANK COVER PLATE FOR FUTURE USE, LIGHT SWITCHES, ASSOCIATED CONDUIT/WIRING, COVERPLATES, ETC. SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. (SEE ELECTRICAL SPECIFICATION)
3. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS ARE NOT LESS THAN 2200mm AND NOT MORE THAN 2400mm AFF.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ITEMS WITH ARCHITECT AND GET APPROVAL.

2 E403 WALL MOUNTED MODULAR CLASSROOM CONTROL PANEL
SCALE: N.T.S.

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONE MOUNTED GROUND BUS AT EACH IT ROOM AND ELECTRICAL ROOM.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND CONNECTION BETWEEN THE BASE BUILDING SERVICE ENTRANCE GROUNDING ELECTRODE AND THE TELECOMMUNICATION MAIN GROUNDING BUS BARS (TMGB) LOCATED IN THE MAIN IT ROOM. ALSO PROVIDE A GROUND CONNECTION BETWEEN THE TMGB AND TELECOMMUNICATIONS GROUNDING BUS BARS (TGB) IN EACH IT ROOM.
3. ALL BRANCH GROUNDING WITHIN THE IT ROOMS SHALL BE FURNISHED AND INSTALLED BY THE COMMUNICATIONS CONTRACTOR.
4. GROUND BUS BAR SHALL BE INSTALLED AT THE TOP OF THE BACKBOARD OR 100mm(4") BELOW THE CEILING NEAR THE RACK.
5. ALL GROUNDING TERMINATIONS SHALL BE DONE WITH U.L.C. LISTED HYPRESS LUGS AND GROUNDING CLAMPS.

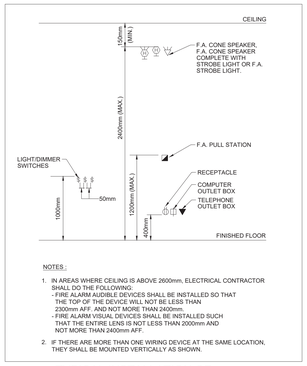
12 E403 TELECOMMUNICATIONS GROUND BUS BAR DETAIL
SCALE: N.T.S.



NOTES:

1. PROVIDE EQUIPMENT, CABLE, CONDUIT AND POWER CONNECTIONS AS SHOWN FOR MONITORING. EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED ON SITE PRIOR TO INSTALLATION.
2. ALARM COMMUNICATOR / MONITORING PANEL MODEL DSC-1616/TLINK AND USER INTERFACE KEYPAD TO BE SUPPLIED BY SMCDSB, INSTALLED COMPLETE WITH WIRING AND CONDUITS AS SHOWN BY ELECTRICAL DIVISION. TERMINATION OF WIRING AND COMMISSIONING OF FIRE ALARM COMMUNICATOR AND KEYPAD WILL BE DONE BY SMCDSB (CASH ALLOWANCE). INSTALL THE ALARM COMMUNICATOR AND KEYPAD BASE BOX ADJACENT TO FIRE ALARM CONTROL PANEL. COORDINATE ALL WORK WITH SMCDSB AND ON SITE.
3. REFER TO ELECTRICAL SPECIFICATION.

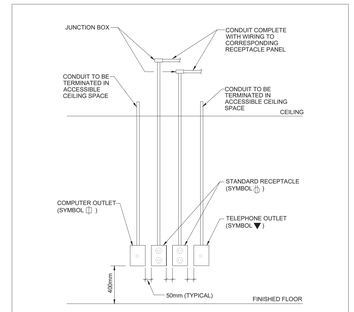
7 E403 FIRE ALARM SYSTEM MONITORING SCHEMATIC
SCALE: N.T.S.



NOTES :

1. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 2000mm AND NOT MORE THAN 2400mm AFF.
2. IF THERE ARE MORE THAN ONE WIRING DEVICE AT THE SAME LOCATION, THEY SHALL BE MOUNTED VERTICALLY AS SHOWN.

4 E403 TYPICAL INSTALLATION OF ELECTRICAL DEVICES
SCALE: N.T.S.



3 E403 TYPICAL INSTALLATION OF RECEPTACLES AND OUTLETS
SCALE: N.T.S.

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No.	Revisions	Date
6	ISSUED FOR TENDER	2026-11-12
5	ISSUED FOR REVIEW	2026-10-26
4	ISSUED FOR REVIEW	2026-05-22
3	ISSUED FOR PERMIT	2026-04-24
2	ISSUED FOR 80% PROGRESS	2026-02-10
1	ISSUED FOR REVIEW	2025-12-16
No	Revision	Date

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Drawing Title:
ELECTRICAL DETAILS

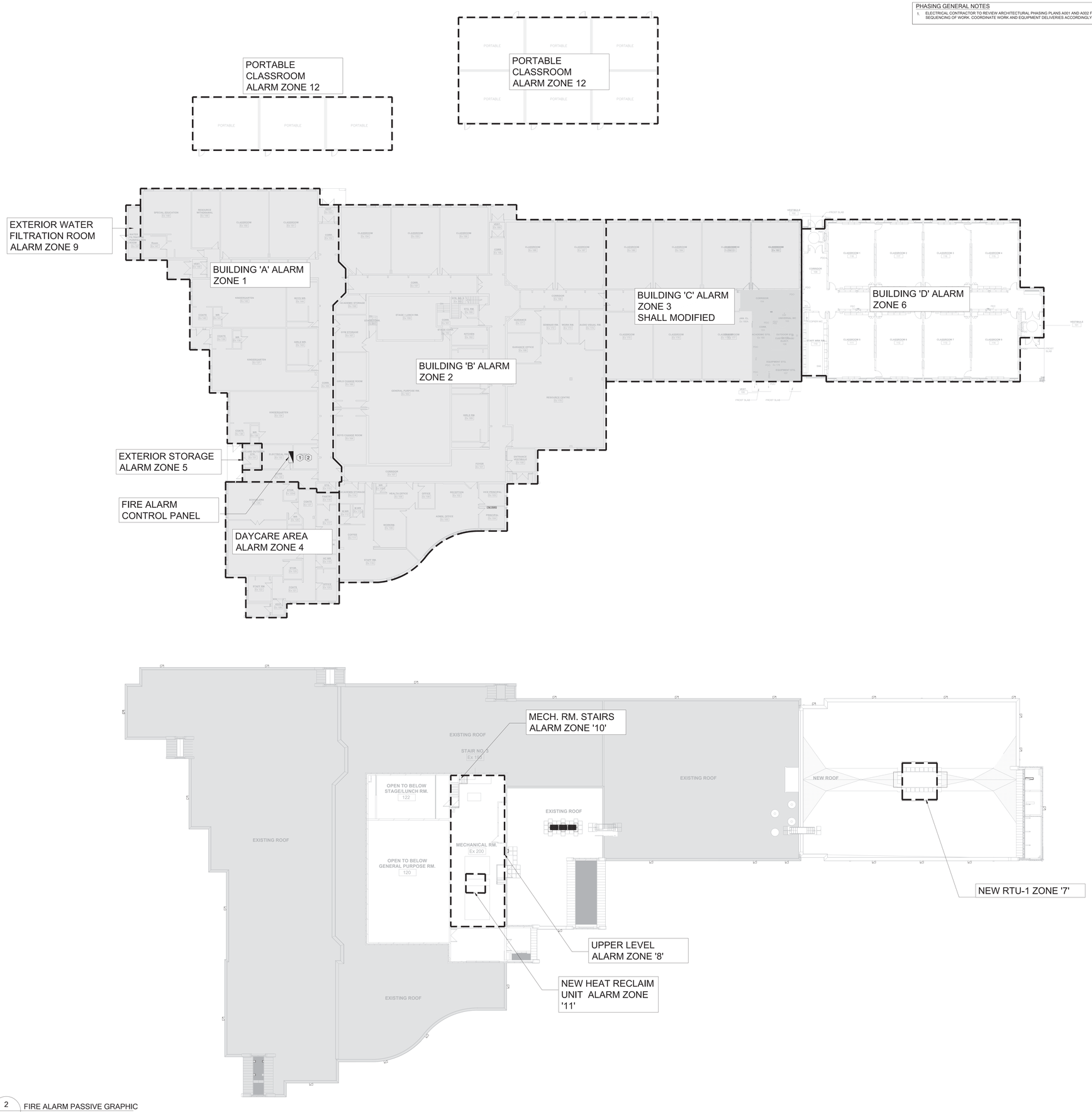
Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. **25092**	Drawing No. E403

KEYED NOTES

1. PROVIDE NEW FIRE ALARM CONTROL PANEL AND FIRE ALARM ANNUNCIATOR ENSURE ALL EXISTING FIRE ALARM ZONES, SUPERVISORY ZONE, AUXILIARY ZONES AND NEW ZONES HAVE BEEN REFLECTED ON THE NEW FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM TESTING, VERIFICATION AND S1001 INTEGRATION TEST. COORDINATE WITH PROJECT PHASE SCHEDULE.
2. EXISTING F.A. PASSIVE GRAPHIC SHALL BE REPLACED TO SUIT NEW ADDITIONAL PORTION & NEW ADDITION RTU. PROVIDE ALL ASSOCIATED COMPONENTS AND ADJUST TO SUIT. COORDINATE WITH PROJECT PHASE SCHEDULE.

PHASING GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO REVIEW ARCHITECTURAL PHASING PLANS A001 AND A002 FOR SEQUENCING OF WORK. COORDINATE WORK AND EQUIPMENT DELIVERIES ACCORDINGLY.



2 E501 FIRE ALARM PASSIVE GRAPHIC
SCALE: 1:200

KEYED NOTES

1. CONDUCT COMMISSIONING, TESTING, OPERATION AND VERIFICATION OF ALL FIRE/SMOKE DAMPERS AND ASSOCIATED DUCT SMOKE DETECTORS AS PART OF INTEGRATED LIFE SAFETY SYSTEM TESTING COMPLY WITH S1001.
2. FOR MORE INFORMATION REFER TO ELECTRICAL SPECIFICATION.
3. CONTRACTOR SHALL COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR TO ENSURE ALL REQUIRED EXISTING FIRE ALARM ZONE, AUXILIARY ZONES & SUPERVISORY ZONES ARE ACCOUNTED FOR THE NEW FIRE ALARM PANEL ENSURE THE NEW FIRE ALARM PANEL IS SUITABLE FOR ALL EXISTING AND NEW ZONES. PROVIDE FIRE ALARM TESTING AND VERIFICATION. COORDINATE WITH GENERAL CONTRACTOR FOR S1001 INTEGRATION TESTING REQUIREMENT.
4. IN ACTUATION OF ANY FIRE ALARM ZONE, ND-50 SHALL RELEASE DOOR HOLDERS AND CAUSE THE DOORS TO SHUT.
5. CONFIRM EXISTING FIRE ALARM ZONE, SUPERVISORY ZONE & AUXILIARY ZONE PER EXISTING FIRE ALARM CONTROL PANEL, AND ENSURE ALL EXISTING ZONES HAVE BEEN TRANSFERRED TO THE NEW FIRE ALARM CONTROL PANEL
6. IN ACTUATION OF ANY FIRE ALARM ZONE, AUXILIARY CONTACTS AC-N1 SHALL BE ENERGIZED AND SHALL SHUT DOWN CORRESPONDING AIR HANDLING UNITS.

   DVR RELAYS FOR AC-N1 SHALL BE C/W THE TIME DELAY PROVISIONS. COORDINATE WITH MECHANICAL DIVISION.
7. IN ACTUATION OF ANY FIRE ALARM ZONE, AC-N2 SHALL RELEASE DOOR HOLDERS AND CAUSE THE DOORS TO SHUT.

FIRE ALARM NOTES:

1. EXISTING ADDRESSABLE FIRE ALARM PANEL IS - EDWARD. IT SHALL BE REPLACED WITH MIRCOM ADDRESSABLE FIRE ALARM CONTROL PANEL COMPLETE WITH ALL ASSOCIATED DEVICES & ACTIVE GRAPHIC. PROVIDE NEW TO MATCH EXISTING WITH NAC CIRCUIT TO SUPPORT NEW HORN & STROBE. COORDINATE ALL REQUIREMENT WITH MANUFACTURE.
2. PROVIDE FIRE WATCH FOR THE ENTIRE DURATION WHEN THE FIRE ALARM SYSTEM IS DOWN.
3. REPLACE EXISTING FIRE ALARM CONTROL PANEL WITH NEW AT THE SAME LOCATION. CONTRACTOR SHALL SITE CONFIRM EXISTING FIRE ALARM ZONES, SUPERVISORY ZONE AND AUXILIARY ZONE FROM THE EXISTING FIRE ALARM CONTROL PANEL. COORDINATE WITH MIRCOM MANUFACTURE AND ENSURE ALL EXISTING ZONES ARE PROGRAMMED INTO THE NEW FIRE ALARM PANEL TO SUIT. INCLUDE ALL REQUIRED DEVICES, MODULES, RELAYS, WIRING, AND ETC. FOR THE INTEGRATION.
4. CONTRACTOR TO INCLUSE THE MATERIAL & LABOR FOR PROVIDING FIVE (5) ADDITIONAL SMOKE DETECTOR, FIVE (5) ADDITION PULL STATION, FIVE (5) ADDITIONAL HORNS, FIVE (5) ADDITIONAL STROBES, TWO (2) MORE DUCT SMOKE DETECTORS, COMPLETE WITH TOTAL 200 FT OF CONDUIT AND WIRING AND ONE (1) ADDITIONAL FIRE ALARM VERIFICATION IN CONTRACT PER CONSULTANT OR BUILDING INSPECTOR DIRECTION AFTER THE COMPLETION OF FIRE ALARM VERIFICATION WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT NEW FIRE ALARM CONTROL PANEL TO EXISTING FIRE ALARM COMMUNICATOR. PROVIDE ASSOCIATED CONDUIT, WIRING TO SUIT. INCLUDE ALL COST.
6. PROVIDE FIRE ALARM VERIFICATION, INCLUDING, BUT NOT LIMITED TO PROGRAMING, ASSIGNING ADDRESSES TO EACH FIRE ALARM DEVICES, TESTING AND VERIFICATION.
7. REFER TO ANNUAL FIRE ALARM TESTING REPORT IN THE SPECIFICATION FOR FURTHER DETAIL. COORDINATE WITH MANUFACTURE TO ENSURE ALL REQUIRED DEVICES & COMPONENTS ARE PROVIDED FOR A FULL SYSTEM REPLACEMENT. INCLUDE ALL COST.
8. PROVIDE FIRE ALARM VERIFICATION IN ACCORDANCE WITH CAN/ULC-S524, INCLUDING, BUT NOT LIMITED TO PROGRAMING, ASSIGNING ADDRESSES TO EACH FIRE ALARM DEVICES, TESTING AND VERIFICATION. PROVIDE S1001 INTEGRATION TESTING TO SUIT.
9. PROVIDE FIRE ALARM WIREGUARD IN GYM AND FIRE ALARM COVER IN ALL OTHER AREA FOR FIRE ALARM MANUAL PULL STATION.

FIRE/SMOKE DAMPER OPERATION SEQUENCE:

PROVIDE ALL REQUIRED RELAYS AND COMPONENTS TO ACHIEVE THE FOLLOWING SEQUENCE:

1. NORMAL CONDITION:
   - 120V POWER SHALL BE PROVIDED TO FIRE/SMOKE DAMPER ACTUATOR TO KEEP DAMPER IN OPEN POSITION.
2. ALARM CONDITION:
   - ACTIVATION OF DUCT/CEILING SMOKE DETECTOR OF RESPECTIVE FIRE/SMOKE DAMPER (MOUNTED DOWNSTREAM OF SEPARATION) SHALL DISCONNECT 120V POWER TO FIRE/SMOKE DAMPER ACTUATOR AND CLOSE THE DAMPER.
3. LOSS OF POWER:
   - LOSS OF 120V POWER TO ACTUATOR SHALL BE PROGRAMMED IN FACP AS TROUBLE FOR CIRCUITS AS INDICATED ON FIRE ALARM RISER DIAGRAM

FIRE/SMOKE DAMPERS:

LEGEND:

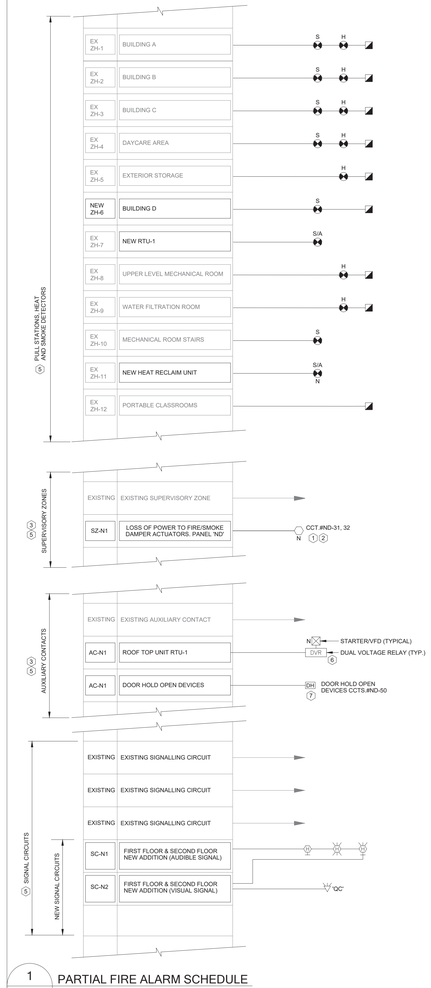


NOTES:

1. EXACT LOCATION OF FIRE/SMOKE DAMPERS SHALL BE DETERMINED AS PER MECHANICAL DRAWINGS AND ON SITE. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR
2. SMOKE DETECTOR FOR FIRE/SMOKE DAMPER SHALL BE INSTALLED IN THE CEILING MAXIMUM 3M FROM THE DOWNSTREAM (AIR FLOW DIRECTION) OF THE FIRE SMOKE DAMPER. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR AND ON SITE.
3. SMOKE DETECTOR FOR FIRE/SMOKE DAMPER SHALL BE COMPLETE WITH TWO (2) DPDT FORM-C RELAYS WITH 120V INPUT CONTACTS FOR FIRE/SMOKE DAMPER ACTUATOR OPERATION AND INTEGRATION SEQUENCE.

LEGEND:

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- REMOVE EQUIPMENT



1 E501 PARTIAL FIRE ALARM SCHEDULE
SCALE: N.T.S.

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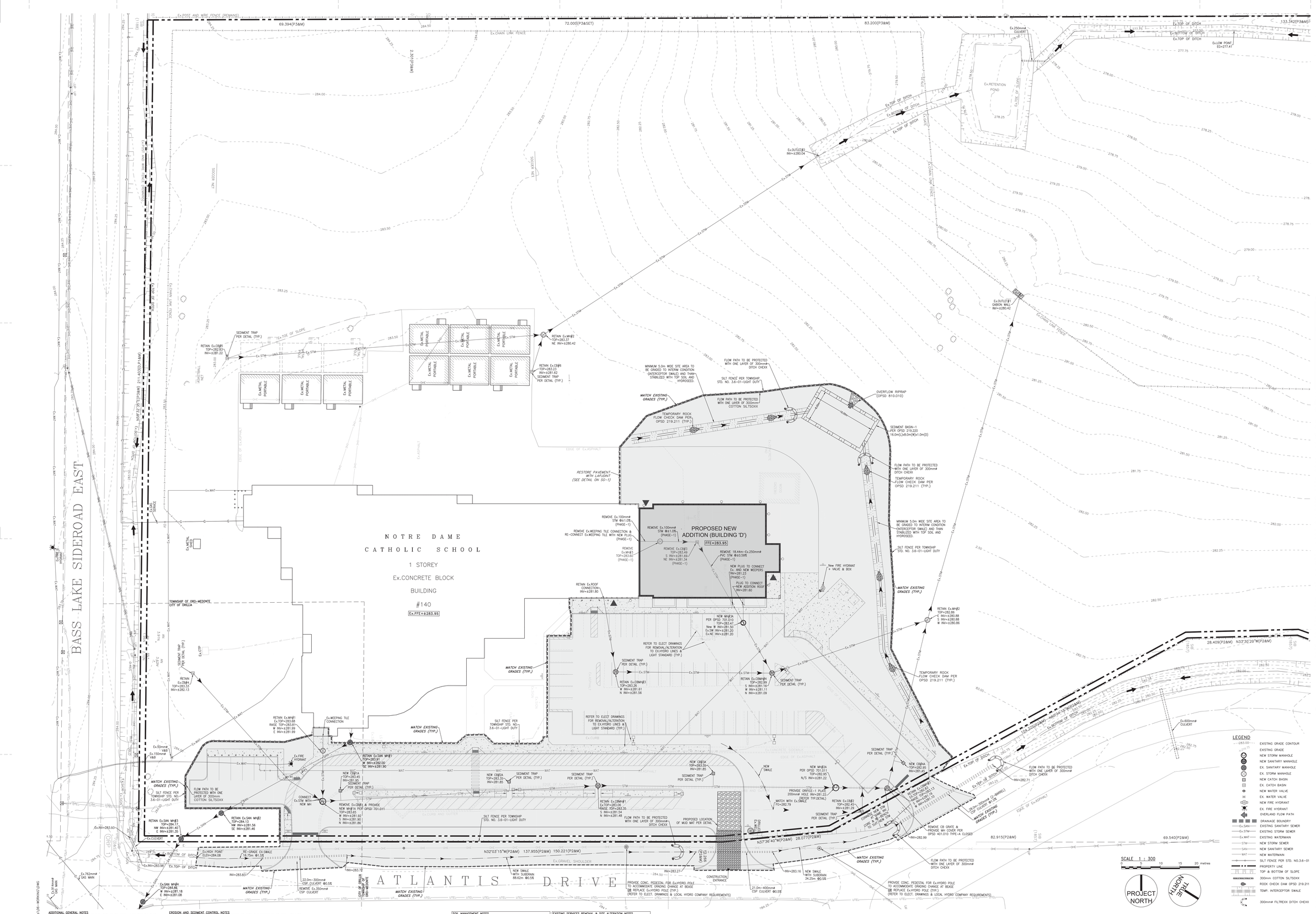
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Drawing Title:
FIRE ALARM SCHEDULE & PASSIVE GRAPHIC

Scale: AS SHOWN	Date: NOV 2026
Drawn by: JN	Checked by: FH
Job No. 25092	Drawing No. E501



ADDITIONAL GENERAL NOTES

1. PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE IN PLACE FROM THE TOWNSHIP OF ORO-MEDONTE, CITY OF ORILLIA, COUNTY OF SIMCOE, NOTTAWASAGA VALLEY CONSERVATION AUTHORITY, LAKE SIMCOE REGION CONSERVATION AUTHORITY AND ALL OTHER EXTERNAL AGENCIES, AS REQUIRED.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENFORCING THE ACT ON THE SITE.
3. PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR OR DEVELOPER WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S/TOWN'S RIGHT-OF-WAY MANAGEMENT UNIT.
4. A UTILITY CLEARANCE RADIUS OF 1.2 METRES BETWEEN THE PROPOSED DRIVEWAY ENTRANCE CURB RETURN AND ALL ABOVE AND UNDER GROUND UTILITIES MUST BE MAINTAINED.
5. THE REMOVAL OF TREES REQUIRES THE APPROVAL OF PARKS, FORESTRY AND RECREATION DIVISION SUPERVISOR OF THE CITY/TOWNSHIP.
6. ANY DAMAGE TO PROPERTY ADJACENT TO THE CONSTRUCTION SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONSTRUCTION SEQUENCE

1. INSTALLATION OF THE SILT FENCES PRIOR TO ANY OTHER ACTIVITIES ON SITE.
2. CONSTRUCTION OF TEMPORARY MUD MATS AT ALL CONSTRUCTION ACCESS.
3. PRE-GRADING OF SITE AREA.
4. CONSTRUCTION OF TEMPORARY SWALES, SEDING AND INSTALLATION OF OTHER ESC MEASURES LIKE DITCHCHEXX.
5. INSTALLATION OF SITE SERVICING AND UNDERGROUND UTILITIES.
6. CONSTRUCTION OF BUILDING FOUNDATIONS AND DISPOSAL OF ALL THE SURPLUS EXCAVATED MATERIALS OFF SITE.
7. CONSTRUCTION OF BUILDING, PARKING LOT AND DRIVEWAYS.
8. RESTORATION / RE-VEGETATION OF DISTURBED AREAS EITHER WITH TEMPORARY MEASURES SUCH AS MULCH OR SEEDING OR WITH FINAL LANDSCAPE AND PAVING.
9. REMOVAL OF THE SEDIMENT CONTROLS FOLLOWING STABILIZATION OF DISTURBED AREAS.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE TOWNSHIP OF ORO-MEDONTE STANDARDS, O.P.S.D. O.P.S.S. AND NOTTAWASAGA VALLEY CONSERVATION AUTHORITY, WHERE THEY DO NOT CONFLICT, TOWNSHIP STANDARDS ARE TO GOVERN.
2. ALL EROSION AND SEDIMENT CONTROLS AND TEMPORARY MEASURES CONSTRUCTED PRIOR TO ANY GRADING ON THE SITE WORK. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES UNTIL COMPLETION OF FINISH COAT ASPHALT AND SOD LANDSCAPING. (REFER TO CONSTRUCTION SEQUENCE NOTES)
3. ALL SILT AND SEDIMENT CONTROL FENCE SHALL BE MAINTAINED ON A REGULAR BASIS. ALL SILT AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED BY THE DEVELOPER'S CONSULTING ENGINEER / FIELD REVIEW CONSULTANT ONCE PER MONTH AND AFTER EACH RAINFALL OF 1 CM OR GREATER TO ENSURE THAT THEY ARE IN PROPER WORKING CONDITION. A PERMANENT RECORD OF THESE INSPECTIONS SHALL BE KEPT AND AN INSPECTION REPORT FORWARDED TO THE MANAGER OF DEVELOPMENT ENGINEERING AS PART OF THE MONTHLY SITE INSPECTION AND REPORTING.
4. ALL DISTURBED GROUND LEFT INACTIVE SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, OR COVERING, OR OTHER EQUIVALENT CONTROL MEASURE. THE PERIOD OF TIME OF INACTIVITY SHALL NOT EXCEED THIRTY (30) DAYS, UNLESS OTHERWISE AUTHORIZED BY THE TOWNSHIP.
5. ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME.
6. THE PHASING OF INDIVIDUAL DEVELOPMENTS SHALL BE TAKEN INTO ACCOUNT DURING THE DESIGN OF THE CONTROL MEASURES INCLUDING LOCATIONS FOR TOPSOIL STOCKPILES. A PRIMARY CONSIDERATION SHALL BE TO EXPOSE THE LEAST POSSIBLE AREA OF LAND FOR THE SHORTEST POSSIBLE TIME.
7. THE ESC STANDARDS ON THESE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED / AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASE TO THE NATURAL ENVIRONMENT. FAILED ESC MEASURES MUST BE REPAIRED IMMEDIATELY.
8. MATERIALS TO REPAIR DAMAGED ESC MEASURES MUST BE KEPT ON-SITE AT ALL TIMES.
9. ALL SILT AND SEDIMENT CONTROL FENCE INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH TOWNSHIP OF ORO-MEDONTE STANDARD DRAWINGS STD. NO. 3.6-01 – LIGHT DUTY SILT BARRIER FENCE, AND MAINTAINED UNTIL COMPLETION OF THE LANDSCAPING AND SITE STABILIZATION.
10. STONE PAD CONSTRUCTION ENTRANCE TO BE AS PER TOWNSHIP STD. NO. 3.6-04. CONTRACTOR SHALL DETERMINE LOCATION OF CONSTRUCTION ENTRANCE IN CONSULTATION WITH THE TOWNSHIP INSPECTOR.
11. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
12. SERVICING OF CONSTRUCTION EQUIPMENT IS PROHIBITED ON SITE.
13. NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL INTRUDE BEYOND THE SILT/SNOW FENCE OR LIMIT OF DEVELOPMENT. ALL CONSTRUCTION VEHICLES SHALL LEAVE THE SITE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS. ALL MATERIAL AND EQUIPMENT SHALL BE STORED ON SITE IN A DESIGNATED AREA. NO MATERIAL OR EQUIPMENT SHALL BE STORED ON THE MUNICIPAL RIGHT OF WAY. NO CONSTRUCTION VEHICLES WILL PARK ON THE MUNICIPAL ROADS.
14. RE-CYCHOSHED AREAS (WITHIN THE SITE WHICH ARE NOT OCCUPIED BY BUILDINGS, ROADWAYS, SIDEWALKS OR DRIVEWAYS SHALL BE TOPSOILED AND SODDED/SEEDED IMMEDIATELY AFTER THE COMPLETION OF FINAL GRADING OPERATIONS OR AS DIRECTED BY THE ENGINEER.
15. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK TO BE PROVIDED ON-SITE AND ALL HAUL ROAD / WORKING AREAS TO BE SPRAYED WITH WATER AS REQUIRED TO ENSURE DUST IS CONTROLLED ON-SITE.
16. ROCK CHECK DAMS ARE TO BE CLEANED OF ALL ACCUMULATED SEDIMENT AS SOON AS SEDIMENT HAS ACCUMULATED TO A DEPTH GREATER THAN 50% OF THE UPSTREAM SUMP.
17. ALL LITTER AND DEBRIS SHALL BE MONITORED AND DISPOSED OF DAILY OR AS NECESSARY DURING REGULAR INSPECTION.
18. SILT SACKS (OR APPROVED EQUIVALENT) ARE TO BE INSTALLED AT ALL CATCHBASINS AND CATCHBASIN MANHOLES LOCATIONS UPON COMPLETION OF SERVICING. SHALL CONFIRM TO TOWNSHIP STD. NO. 3.6-04.
19. SILT SACKS WILL BE PLACED ON THE CATCHBASINS ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE.
20. CONTACT FOR EROSION AND SEDIMENT MEASURES – TO BE DETERMINED (COMPANY NAME – CONTACT NAME AND PHONE NUMBER).
21. ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH THE TOWNSHIP OF ORO-MEDONTE NOISE BYLAW.
22. STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE TOWNSHIP OF ORO-MEDONTE.
23. CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY DITCHES AND OVERLAND FLOW PATHS DURING AND AFTER CONSTRUCTION ALONG ALL PROPERTY LINES (LIMITS OF CONSTRUCTION) WITH POSITIVE SLOPE TOWARDS THE SAFE OUTLET LOCATION. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING THIS DITCHES IN PROPER WORKING CONDITION AT ALL TIMES DURING CONSTRUCTION TO RESTRICT RUNOFF FROM ENTERING INTO THE ADJOINING PROPERTIES/OUTSIDE CONSTRUCTION LIMITS AND ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE ADJOINING PROPERTIES.

SOIL MANAGEMENT NOTES

1. STOCK PILE OF EXCAVATED SOIL IS NOT ALLOWED ON THIS PROJECT SITE.
2. CONTRACTOR SHALL TRANSPORT ALL EXCAVATED SOIL CONCURRENTLY WITH THE EXCAVATION ACTIVITY AND DISPOSE OFF SITE.
3. CONTRACTOR SHALL PROVIDE SOIL MANAGEMENT PLAN TO THE THE TOWNSHIP OF ORO-MEDONTE THAT OUTLINES CONSTRUCTION SCHEDULE, HOURS OF OPERATION, PROPOSED SOIL HAULING ROUTES AND DISPOSAL SITE, ETC.
4. FINAL AND REGULAR TESTING OF EXCAVATED SOIL NEED TO BE STOCK PILED FOR TEMPORARY SHORT DURATION, STOCKPILES SHALL BE STABILIZED BY VEGETATIVE COVER, OR OTHER MEANS.
5. IF REQUIRED TO STOCK PILE EXCAVATED MATERIAL TEMPORARILY, THE MAXIMUM SIDE-SLOPES FOR TOPSOIL STOCKPILES SHALL BE 3 HORIZONTAL TO 1 VERTICAL. THE MAXIMUM STOCKPILE HEIGHT SHALL BE APPROVED BY THE TOWNSHIP IN CONSIDERATION OF THE SURROUNDING LAND USES AND DURATION THE STOCKPILE IS TO BE IN PLACE AND SHALL BE PROTECTED WITH ADDITIONAL SILT FENCE BOUNDARY SURROUNDING BOTTOM OF PILE ALONG ENTIRE PERIMETER.

SEED NOTES

1. BUFFER AREA TO BE SEEDED WITH A "TABLELAND GRASS MIXTURE", AND MADE UP OF THE FOLLOWING.
   - 22% BIG BLUESTEM (ANDROPOGON GERARDII)
   - 5% LITTLE BLUESTEM (ANDROPOGON SCOPARIOUS)
   - 20% CANADA WILD RYE (ELYMUS CANADENSIS)
   - 24% SWITCHGRASS (PANICUM VIRGATUM)
   - 15% INDIANGRASS (SORGHASTUN NUTANS)
   - 4% PRAIRIE CORD GRASS (SPARTINA PECTINATA)
   - 10% SAND DROPSEED (SPOROBOLUS CRYPTANDRUS)

EXISTING SERVICES REMOVAL & SITE ALTERATION NOTES

1. REFER TO ELECTRICAL-MECHANICAL SITE PLAN FOR ALTERATION AND/OR REMOVAL OF EXISTING GAS, HYDRO, BELL, ROGERS, ETC. SERVICES INCLUDING YARD LIGHTING, LIGHT STANDARD AND OTHER DISTRIBUTION NETWORK AND JUNCTION BOXES ON PRIVATE PROPERTY.
2. REFER TO SITE PLAN AND/OR DEMOLITION PLAN FOR ALTERATION TO THE EXISTING BUILDING, CURBS, SIDE WALKS, FIRE ROUTES, DRIVEWAYS, PARKING, ETC.
3. REFER TO SITE PLAN AND/OR GEO-TECHNICAL REPORT FOR ASPHALT AND ALL OTHER PAVEMENT STRUCTURE RECOMMENDATIONS.
4. REFER TO LANDSCAPE DRAWINGS FOR ALTERATION AND/OR REMOVAL OF EXISTING TREES.

PHASING NOTES

1. REFER TO ARCHITECTURAL SITE PLAN AND/OR PHASING PLANS FOR DETAILS OF WORK COMPLETED IN EACH PHASE.
2. THE SITE SERVICING ALTERATION INCLUDING REMOVAL AND NEW CONSTRUCTION NEED TO BE COMPLETED IN PHASE-1 IS NOTED ON PLAN VIEW.
3. ALL OTHER SITE SERVICING ALTERATION INCLUDING REMOVAL AND NEW CONSTRUCTION SHALL BE COMPLETED IN PHASE-3 IN COORDINATION WITH THE PHASING INSTRUCTIONS PROVIDED IN THE ARCHITECTURAL DRAWINGS.

Sediment Trap Design Table (OPSD 219.220)

Sediment Basin No.	Drainage Area (ha)	Required Volume (m^3)	Bottom Length (m)	Bottom Width (m)	Depth (m)	Side Slopes (X:1)	Top Length (m)	Top Width (m)	Provided Volume (m^3)
1	1.08	134.91	16.00	8.00	1.00	0.50	17.00	9.00	140.50

NOTES:
The 1.08 ha site area considered is the actual area proposed to be altered with this development application
Minimum 125 cubic metres of storage volume per hectare of contributing drainage area
Sediment trap may be formed by constructing a berm or by excavating a basin completely or partially
Sediment Trap must be stabilized by seeding immediately after construction
Refer to OPSD 219.220 for the Excavated Sediment Trap

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

Architect
Snyder Architects Inc.
100 Broadview Ave, Suite 201, Toronto, ON M4M 3H3
tel 416 960 3444
www.snyderarchitects.ca

Consultants

Mechanical and Electrical Consultants
RDZ Engineering Ltd
30 Pennsylvania Avenue, Unit 17A
Vaughan, Ontario, L4K 4A5
Tel: 416-317-8804

Structural Consultants
LEA Consulting Ltd.
625 Cochrane Drive, 5th Floor
Markham, Ontario, L3R 9R9
Tel: 905-470-0015

Civil Consultant
Flora Designs Inc.
1109 Britannia Rd East
Mississauga, Ontario, L4W 3X1
Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

NOTRE DAME CATHOLIC SCHOOL ADDITION
140 Atlantis Drive, Orillia

Key Plan (N.T.S.)



SURVEY PLAN INFORMATION:
PART OF LOT 5, CONCESSION 2
(GEOGRAPHIC TOWNSHIP OF SOUTH ORILLIA)
TOWNSHIP OF
ORO-MEDONTE / CITY OF ORILLIA
COUNTY OF SIMCOE

BENCHMARK NOTE:
ALL ELEVATIONS ARE GEODETIC FERERRED TO GNSS OBSERVATIONS USING REAL TIME NETWORK (RTN), GNSS VERTICAL DATUM HTv2 (HEIGHT TRANSFORMATION VERSION 2.0).

TBM@1 – TOP TURN ARROW OF FIRE HYDRANT, LOCATED APPROXIMATELY 44.1m NORTH WEST OF THE SOUTH EAST CORNER OF LOT 5, CONCESSION 2, HAVING AN ELEVATION OF 284.96m.

TBM@2 – CUT CROSS IN CONCRETE LIGHT STANDARD BASE, LOCATED APPROXIMATELY 6.6m NORTH OF THE NORTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 283.85m.

BEARING NOTE:
BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS ON MONUMENTS ORP-1 AND ORP-2 BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17N, NAD83 (CSRS, CRNv6-2010.0), AS SHOWN ON SURVEY DRAWING HAVING A GRID BEARING OF N33°03'07"W.

FOR BEARING COMPARISONS, A COUNTER-CLOCKWISE ROTATION OF 0°03'25" WAS APPLIED TO (P2) AND A COUNTER-CLOCKWISE ROTATION OF 0°02'25" WAS APPLIED TO (P3).

ALL COORDINATES ARE IN METERS AND WERE DERIVED FROM ONSS OBSERVATIONS USING THE CAN-NET NETWORK, AND ARE REFFERED TO UTM ZONE 17, NAD83 (CSRS-2010.0).

COORDINATE VALUES ARE TO A URBAN ACCURACY IN ACCORDANCE WITH O.REG.216/10.

POINT ID	NORTHING	EASTING
ORP 1	4940776.944	622113.729
ORP 2	4941033.409	621953.131

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

SURVEY INFORMATION NOTE:
REFER TO TOPOGRAPHIC SURVEY DRAWING AND REAL PROPERTY REPORT PREPARED BY DEARDEN AND STANTON LTD. ONTARIO LAND SURVEYORS, O.L.S. DWG # E-4152, DATED JAN 17, 2025 FOR SURVEY INFORMATION INCLUDING BEARING AND BENCHMARK DETAILS.

EXISTING UNDERGROUND UTILITY INFORMATION NOTE:
EXISTING UNDERGROUND UTILITIES ARE SHOWN FROM THE INFORMATION PROVIDED IN THE SURVEY DRAWING PREPARED BY DEARDEN AND STANTON LTD.

Project North True North

No.	Revisions	Date
8	ISSUED FOR TENDER	NOV 12, 2026
7	ISSUED FOR PRE-TENDER	OCT 26, 2026
6	ISSUED FOR TENDER	MAY 28, 2026
5	ISSUED FOR PRE-TENDER	MAY 22, 2026
4	ISSUED FOR PERMIT	APR 24, 2026
3	ISSUED FOR SPA RE-SUBMISSION	MAR 23, 2026
2	ISSUED FOR 80% PROGRESS SET	FEB 10, 2026
1	ISSUED FOR SPA SUBMISSION	NOV 14, 2025
No.	Issue	Date

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

LICENSED PROFESSIONAL ENGINEER C. D. PATEL 100136451 PROVINCE OF ONTARIO

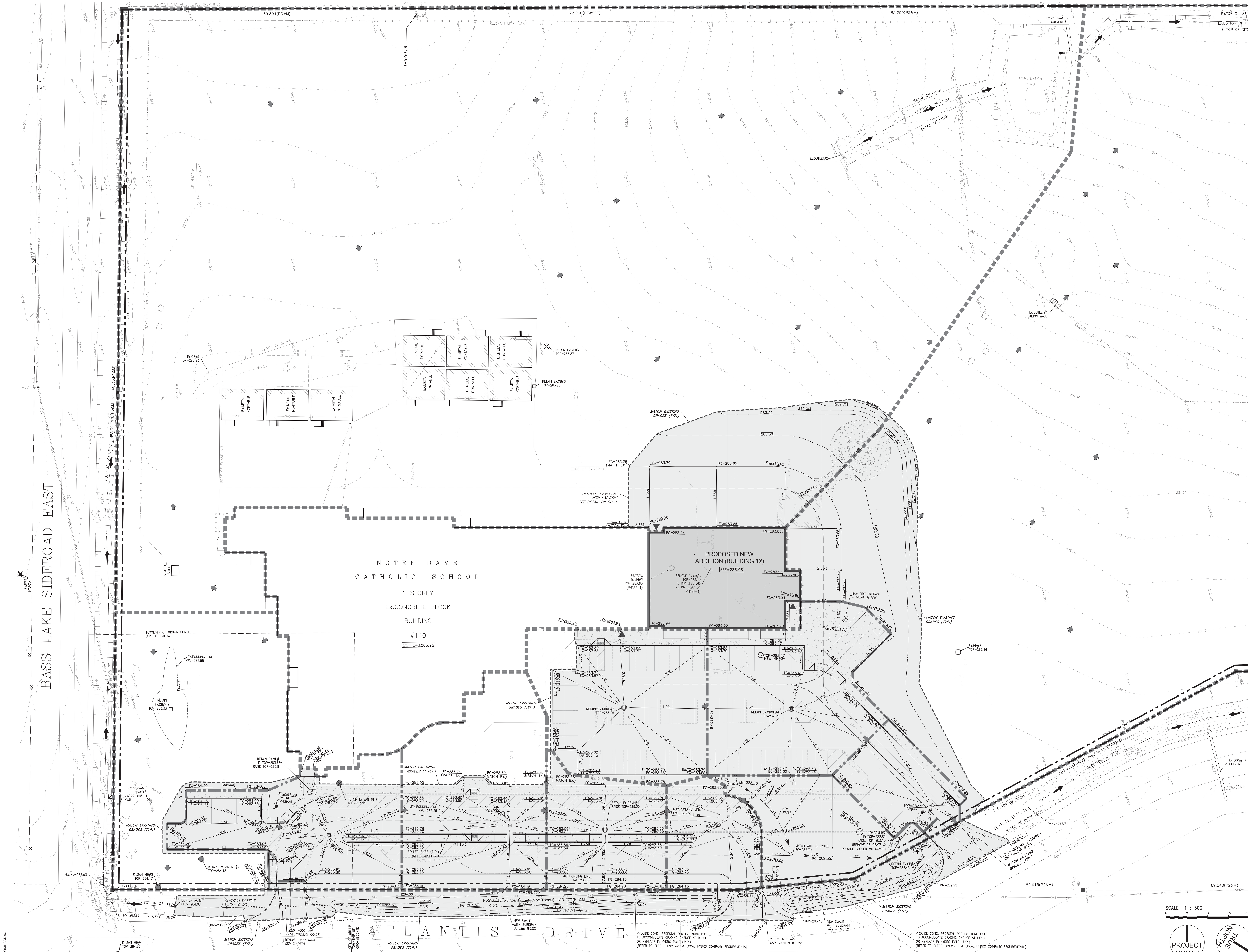
Drawing Title:
EROSION AND SEDIMENT CONTROL PLAN

(File No.: 2024-PCA-29 & 2025-SPA-10)

Scale: As Noted	Date: As Noted
Drawn by: AT	Checked by: CP
Job No. 2502	Drawing No. ES-1

Plot Date: Nov 13, 2026 FD Job # 25498

File: 2502-ES-1.DWG, Plot Date: Nov 13, 2026 - 11:10AM, Drawing Name: C:\ES_Drills\06 - WORKING\2502 - NOTRE DAME CATHOLIC SCHOOL ADDITION\ES-1.DWG, Plotted By: AT



LEGEND

Symbol	Description
	NEW BARRIER CURB
FFE=XXX.XX	FINISH FLOOR ELEVATION
FG=XXX.XX	FINISH GRADE ELEVATION
TC=XXX.XX / G=XXX.XX	TOP OF CURB ELEVATION / GUTTER ELEVATION
XX%	FLOW DIRECTION/ SLOPE
166.00	FINISH GRADE CONTOUR
	NEW BOTTOM OF SWALE
×214.75	EXISTING GRADE
EG=XXX.XX	EXISTING GRADE
-283.00-	EXISTING GRADE CONTOUR
	NEW STORM MANHOLE
	NEW SANITARY MANHOLE
	NEW CATCHBASIN MANHOLE
	EX. STORM MANHOLE
	EX. SANITARY MANHOLE
	NEW CATCH BASIN
	EX. CATCH BASIN
	NEW WATER VALVE
	EX. WATER VALVE
BP	BACKFLOW PREVENTOR
M	WATER METER
	NEW FIRE HYDRANT
	EX. FIRE HYDRANT
	OVERLAND FLOW PATH
	DRAINAGE BOUNDRY
	SUB-CATCHMENT BOUNDRY
—x—x—	CHAIN LINK FENCE (CLF)
	PROPERTY LINE
	EXTENT OF SITE ALTERATION

GENERAL NOTES – TOWNSHIP OF ORO-MEDONTE

1. ALL STANDARDS IN ACCORDANCE WITH CURRENT ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN METERS. PIPE SIZES IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. NOTIFY ALL UTILITY SERVICES BELL CANADA, HYDRO ONE, ENBRIDGE GAS, T.C.P.L AND CABLE T.V. PROVIDERS (WHERE APPLICABLE) WITH SUFFICIENT TIME TO ACCOMMODATE SERVICE LOCATES.
4. THE CONTRACTOR SHALL COORDINATE THE WORKS WITH THE DEVELOPER'S ENGINEER WHO SHALL OVERSEE THE PROJECT ON BEHALF OF THE DEVELOPER.
5. ALL CONSTRUCTION TO BE COMPLETED TO THE SATISFACTION OF THE TOWNSHIP OF ORO-MEDONTE AND THE DEVELOPER'S ENGINEER.
6. ALL SERVICES AND UTILITIES TO BE SUPPORTED AS PER OPSD-1007.01. (ARCHIVED).
7. ALL TRENCHING TO BE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT.
8. ALL TRAFFIC CONTROL AND SIGNAGE TO BE IN ACCORDANCE WITH M.T.O. REQUIREMENTS.
9. THE TOWNSHIP OF ORO-MEDONTE AND THE DEVELOPER'S ENGINEER TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
10. WHEREVER PIPES ARE PASSING THROUGH UNCOMPACTED FILL AREAS, THE BEDDING TRENCH SHALL BE EXCAVATED TO THE UNDISTURBED GROUND LEVEL AND BACKFILLED WITH GRANULAR 'A' COMPACTED TO 95% MODIFIED PROCTOR DENSITY OR AS OTHERWISE SHOWN ON THE DRAWINGS.
11. MAINTAIN A MINIMUM COVER OF 1.8m FOR WATERMAINS OR AS OTHERWISE SHOWN ON THE DRAWINGS.
12. PERFORM ALL BLASTING IN ACCORDANCE WITH THE SPECIFICATION. UNDERTAKE PRE-BLAST SURVEY AND PROVIDE COPY TO THE TOWNSHIP OF ORO-MEDONTE AND THE DEVELOPER'S ENGINEER PRIOR TO COMMENCEMENT OF BLASTING OPERATIONS.
13. THE LOCATION OF UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES SHOWN ON DRAWINGS IS APPROXIMATE ONLY AND MAY NOT BE COMPLETE. THE EXACT LOCATION OF ALL UTILITIES AND STRUCTURES SHALL BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITIES COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE EXACT LOCATION OF ALL UTILITIES AND STRUCTURES BEFORE CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ADEQUATELY PROTECTING THEM AGAINST DAMAGE, ASSUMING ALL LIABILITIES FOR DAMAGE OF SUCH.
14. THE CONTRACTOR MUST CHECK AND VERIFY DIMENSIONS, OBTAIN ALL UTILITY LOCATES, AND OBTAIN ALL REQUIRED PERMITS AND LICENSES AND VERIFY EXISTING SERVICE ELEVATIONS BEFORE PROCEEDING WITH ANY WORK.
15. LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION AND ALL DISCREPANCIES REPORTED TO THE TOWNSHIP OF ORO-MEDONTE AND THE DEVELOPER'S ENGINEER.
16. DRAWINGS ARE NOT TO BE SCALED.
17. ALL MATERIALS TO BE USED ON THIS PROJECT SHALL BE LEAD FREE.
18. PIPE LENGTH AS LABELED IS MEASURED HORIZONTALLY ALONG PIPE CENTER LINE AND MAY DIFFER FROM BASELINE CHAINAGE WHERE BASELINE IS NOT PARALLEL TO PIPE.
19. UTILIZE EROSION AND SILTATION CONTROLS AS REQUIRED AND APPROVED DURING CONSTRUCTION.
20. ENSURE ACCESSIBILITY TO EXISTING RESIDENTIAL DRIVEWAYS AT ALL TIMES.
21. ENSURE ADEQUATE PROTECTION TO ALL CULVERTS.

GENERAL CONSTRUCTION NOTES – TOWNSHIP OF ORO-MEDONTE

A. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE TOWNSHIP OF ORO-MEDONTE STANDARDS, O.P.S.D. AND O.P.S.S. WHERE CONFLICT OCCURS, TOWNSHIP STANDARDS ARE TO GOVERN.
B. TRENCH BACKFILL PER OPSD 802.xxx (AS APPLICABLE) TO BE SELECT NATIVE MATERIAL OR IMPORTED SELECT SUBGRADE TO OPSS 1010. (NATIVE MATERIAL TO BE USED ONLY UPON APPROVAL BY PROJECT GEOTECH ENGINEER).
C. BACKFILL TO BE PLACED IN MAXIMUM 200mm THICK LIFTS AND COMPACTED TO 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
D. PIPE BEDDING TO BE GRANULAR 'A', PIPE COVER TO BE GRANULAR 'B' MAX. AGGREGATE SIZE 25mm FOR RIGID PIPE AND GRANULAR 'A' FOR FLEXIBLE PIPE. (MINIMUM BEDDING DEPTH 150 mm, MINIMUM COVER 300mm, COMPACTED TO A MINIMUM 95% SPMDD).
E. CLEAR STONE WRAPPED IN FILTER FABRIC CAN BE SUBSTITUTED FOR BEDDING MATERIAL IF APPROVED BY THE TOWNSHIP OF ORO-MEDONTE.
F. ALL MAINTENANCE HOLES ARE 1500mm DIAMETER FOR A MINIMUM OF 1.8m HEIGHT FROM THE BOTTOM OF THE CHAMBER UNLESS OTHERWISE SPECIFIED.
G. ALL TOPSOIL AND EARTH EXCAVATION TO BE STOCK PILED OR REMOVED TO A SITE APPROVED BY THE TOWNSHIP OF ORO-MEDONTE OR THE TOWNSHIP'S ENGINEERING CONSULTANT.
H. THE OWNER'S ENGINEER SHALL PROVIDE BENCH MARK ELEVATIONS AND HORIZONTAL ALIGNMENT REFERENCE FOR THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED LAYOUT OF THE WORK.
I. ALL PROPERTY BARS TO BE PRESERVED AND REPLACED BY O.L.S. AT CONTRACTOR'S EXPENSE IF REMOVED DURING CONSTRUCTION.
J. ALL MAINTENANCE HOLE AND CATCHBASIN FRAMES AND COVERS TO BE SET TO BASE COURSE HL4 ASPHALT ELEVATION AND RAISED PRIOR TO PLACEMENT OF FINAL COURSE HL3 ASPHALT TO THE SATISFACTION OF THE TOWNSHIP.
K. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE SUPPLY OF TEMPORARY WATER AND POWER.
L. DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS-517 (~~AND 518~~ ARCHIVED) TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. CONTRACTOR RESPONSIBLE FOR OBTAINING AN M.E.C.P. PERMIT AS REQUIRED.
M. ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL AREA .
N. DISTURBED AREAS TO BE REINSTATED TO PREVIOUS CONDITION OR BETTER.
O. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION OF ALL EXISTING FACILITIES AS WELL AS ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK AND CO-ORDINATE CONSTRUCTION ACCORDINGLY.

ADDITIONAL GENERAL NOTES

1. PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE IN PLACE FROM THE TOWNSHIP OF ORO-MEDONTE, CITY OF ORILLIA, COUNTY OF SIMCOE, NOTTAWASAGA VALLEY CONSERVATION AUTHORITY, LAKE SIMCOE REGION CONSERVATION AUTHORITY AND ALL OTHER EXTERNAL AGENCIES, AS REQUIRED.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
3. PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR OR DEVELOPER WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S/TOWN'S RIGHT-OF-WAY MANAGEMENT UNIT.
4. A UTILITY CLEARANCE RADIUS OF 1.2 METRES BETWEEN THE PROPOSED DRIVEWAY ENTRANCE CURB RETURN AND ALL ABOVE AND UNDER GROUND UTILITIES MUST BE MAINTAINED.
5. THE REMOVAL OF TREES REQUIRES THE APPROVAL OF PARKS, FORESTRY AND RECREATION DIVISION SUPERVISOR OF THE CITY/TOWN/REGION.
6. ANY DAMAGE TO PROPERTY ADJACENT TO THE CONSTRUCTION SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. INSULATE SEWERS AND WATERMAINS AS PER OPSD 1109.030 WHEREVER OBVERT OF SEWER IS LESS THAN 1200mm FROM FINISH GRADE AND WHEREVER OBVERT OF WATERMAIN IS LESS THAN 1800mm FROM FINISH GRADE, REGARDLESS IT IS MARKED ON PLAN VIEW OR NOT. INSULATION THICKNESS INCLUDING BEDDING AND BACKFILLING MATERIAL SHALL BE PER RECOMMENDATIONS PROVIDED BY PROJECT GEOTECHNICAL ENGINEER.

RESTORATION NOTES – TOWNSHIP OF ORO-MEDONTE

1. REINSTATE ROADS TO PREVIOUS CONDITION OR BETTER.
2. CONTRACTOR TO RESTORE DRIVEWAYS AND DITCH WORK IN AREAS DISTURBED BY CONSTRUCTION TO EQUAL OR BETTER CONDITIONS.
3. MINIMUM GRAVEL DRIVEWAY RESTORATION TO BE 150mm, GRANULAR 'A'. ASPHALT DRIVEWAY RESTORATION TO BE 50mm OF HL4.
4. ALL GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 50mm TOPSOIL AND SIDED OR HYDRO MULCHED AS PER OPSS MUNI 803 (~~OPSS 507~~ ARCHIVED). MAINTAIN UNTIL ESTABLISHED.
5. ALL RESTORATION WORK TO BE COMPLETED TO THE SATISFACTION OF THE MANAGER OF PUBLIC WORKS AND OPERATIONS.

DRAWING NOTES

1. REFER TO SITE PLAN AND/OR DEMOLITION PLAN FOR ALTERATION TO THE EXISTING BUILDINGS, CURBS, SIDE WALKS, FIRE ROUTES, DRIVEWAYS, PARKING, ETC.
2. REFER TO SITE PLAN FOR TYPICAL DETAILS FOR CURBS, SIDEWALKS, DRIVEWAY, PARKING STALLS ETC AND ALL OTHER SITE FURNITURE DETAILS.
3. REFER TO SITE PLAN AND/OR GEO-TECHNICAL REPORT FOR ASPHALT AND ALL OTHER PAVEMENT STRUCTURE RECOMMENDATIONS.
4. REFER TO LANDSCAPE DRAWINGS FOR TOPSOIL THICKNESS IN GRASS/SOD AREAS AND OTHER LANDSCAPE ISLANDS ON PRIVATE PROPERTY.
5. RETAIN ALL EXISTING CB, MANHOLES, STORM SEWER, SANITARY SEWER AND WATERMAINS UNLESS NOTED TO REMOVE.
6. KEEP ALL EXISTING STORM SEWER INFRASTRUCTURE MARKED AS REMOVE UNTIL THE CONSTRUCTION OF STORM SEWER ALTERATIONS AS PROPOSED IN THIS DRAWING ARE COMPLETE. CONTRACTOR IS RESPONSIBLE TO PUMP WATER AS REQUIRES AS UNTIL STORM SEWER ALTERATION IS COMPLETE.
7. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE SAME.
8. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
9. ALL LANDSCAPE GRADING AND OTHER SITE WORKS TO OCCUR WITHIN DRIPLINE OF EXISTING TREES, SHALL BE PERFORMED BY HAND ONLY.
10. THIS DEVELOPMENT APPLICATION DO NOT PROPOSE ANY ALTERATION TO THE ROAD/SITE FURNITURE AND SURFACE TREATMENTS, EXISTING UTILITIES AND OTHER ELEMENTS SHOWN ON THIS SET OF DRAWINGS OUTSIDE THE CONSTRUCTION LIMITS UNLESS NOTED. REFER TO ADJOINING AREA DEVELOPMENT DRAWINGS FOR ANY WORKS OUTSIDE THE CONSTRUCTION ZONE IDENTIFIED FOR THIS DEVELOPMENT APPLICATION.
11. CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY DITCHES AND OVERLAND FLOW PATHS DURING AND AFTER CONSTRUCTION ALONG ALL PROPERTY LINES (LIMITS OF CONSTRUCTION) WITH POSITIVE SLOPE TOWARDS THE SAFE OUTLET LOCATION. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING THIS DITCHES IN PROPER WORKING CONDITION AT ALL TIMES DURING CONSTRUCTION TO RESTRICT RUNOFF FROM ENTERING INTO THE ADJOINING PROPERTIES/OUTSIDE CONSTRUCTION LIMITS AND ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE ADJOINING PROPERTIES.
12. STORM AND SANITARY SEWER NOTATIONS AND DIRECTIONS ARE BASED ON ACTUAL NORTH. PROJECT NORTH MAY BE DIFFERENT THAN ACTUAL NORTH.

EXISTING CONDITION NOTES – TOWNSHIP OF ORO-MEDONTE

- THE POSITION OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES AND FACILITIES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND FACILITIES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNLESS SEALED. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE OCCUPATIONAL HEALTH AND SAFETY ACT.
- ANY ERRORS AND/OR OMISSIONS SHALL BE REPORTED TO FLORA DESIGNS INC. OR TO THE TOWNSHIP OF ORO-MEDONTE, WITHOUT DELAY.

NO PORTION OF THE WORK SHALL BE CARRIED OUT WITHOUT FIRST HAVING OBTAINED APPROVED CONSTRUCTION DRAWINGS, APPROVED PROJECT SCHEDULE(S), APPROVED TRAFFIC STAGING PLANS AND PERMITS FOR SUCH PORTION OF THE INFRASTRUCTURE WORK IN ACCORDANCE WITH THE PROVISIONS HEREOF AND GIVING 10 WORKING DAYS PRIOR WRITTEN NOTICE TO THE EXECUTIVE DIRECTOR, ENGINEERING AND CONSTRUCTION SERVICES THAT SUCH WORK IS TO BE CARRIED OUT WITH SUCH NOTICE TO SPECIFY THE ANTICIPATED DATE OF COMMENCEMENT OF THE WORK. A PRE-CONSTRUCTION COORDINATION MEETING WITH THE TOWN STAFF IS TO BE HELD A MINIMUM OF FIVE WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY OF THE WORK.

CONSTRUCTION MANAGEMENT PLAN NOTES:

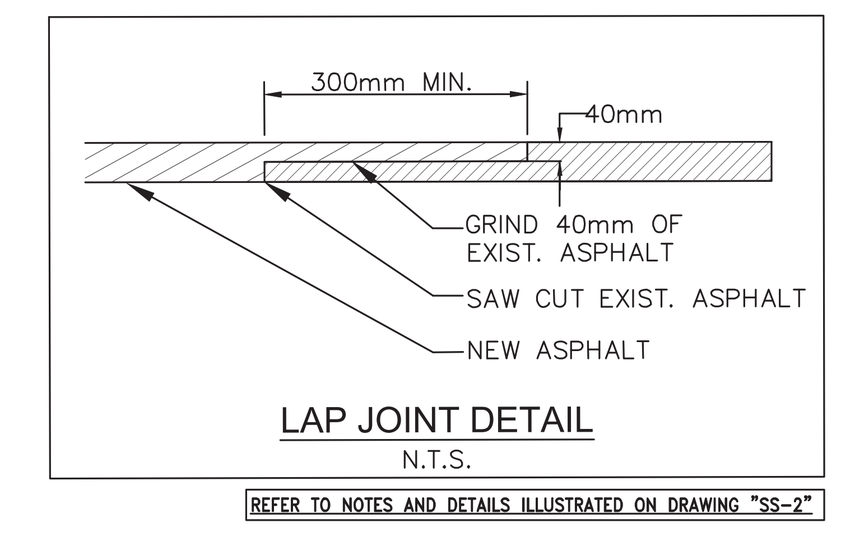
1. THE GENERAL CONTRACTOR RETAINED FOR THIS PROJECT SHALL PREPARE A CONSTRUCTION / TRAFFIC MANAGEMENT PLAN IN ACCORDANCE WITH THEIR OWN WORK SCHEDULE, USE OF PARTICULAR CONSTRUCTION EQUIPMENT'S, AND AVAILABLE MANPOWER. THE PLAN MUST BE SUBMITTED TO THE TOWN OF WHITBY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY ON SITE.
2. PRIOR TO CONSTRUCTION, THE OWNER AND GENERAL CONTRACTOR SHALL MAKE AN APPLICATION FOR A SITE SERVICE AND ACCESS PERMIT FOR USE OF THE PUBLIC RIGHT-OF-WAY TO ACCESS THE SITE FOR CONSTRUCTION PURPOSES. ALSO, AN APPLICATION WILL BE REQUIRED FOR A ROAD OCCUPANCY PERMIT FOR WORKS WITHIN THE TOWN'S RIGHT-OF-WAY.

CONSTRUCTION REVIEW NOTES:

1. FLORA DESIGN INC. (DESIGN ENGINEER) WILL PROVIDE GENERAL CONFORMANCE REVIEW FOR THE SITE SERVICES AND SITE GRADING CONSTRUCTION WORK IN ACCORDANCE WITH THE ONTARIO BUILDING CODE REQUIREMENTS AND PROFESSIONAL ENGINEERS ONTARIO (PEO) GUIDELINES FOR GENERAL CONFORMANCE BY THE DESIGN ENGINEER.
2. THE OWNER WILL RETAIN LICENSED FIELD REVIEW CONSULTANT FOR DAILY INSPECTION OF SITE CIVIL CONSTRUCTION WORKS ILLUSTRATED ON ENGINEERING DESIGN DRAWINGS INCLUDING BUT NOT LIMITED TO BEDDING, COVER AND BACKFILL MATERIAL AND FIELD COMPACTION FOR SEWERS, STRUCTURES AND WATERMAINS AS WELL AS INSPECTION OF SEWER AND WATERMAIN PIPE CONNECTIONS WITH STRUCTURES.

NOTES

1. STORM AND SANITARY SEWER NOTATIONS AND DIRECTIONS ARE BASED ON ACTUAL NORTH.
2. PROPOSED ELEVATIONS TO MEET EXISTING ELEVATIONS AT ALL LOT LINES AND LIMIT OF SITE ALTERATION PROPOSED. NO CONSTRUCTION IS TO TAKE PLACE ON ADJACENT OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE RESPECTIVE LANDOWNER.
3. OVERLAND FLOW PATHS ARE PROVIDED AT EVERY SUBCATCHMENT BOUNDARIES TO CONVEY MAJOR SYSTEM FLOW TO THE SAFE OUTLET LOCATION WITHOUT CREATING ANY PONDING GREATER THAN 0.25m DEPTH SURROUNDING SPECIFIC CHTCHBASINS AND/OR CATCHBAIN MANHOLES PER THE TOWNSHIP GUIDELINES.
4. GENERAL CONTRACTOR TO PREPARE ALL THE REQUIRED DOCUMENTS WITH THE HELP OF A PROFESSIONAL ENGINEER AND OBTAIN CONSTRUCTION DEWATERING PERMIT FROM THE GOVERNING AUTHORITY IF REQUIRED.
5. CONTRACTOR MUST VERIFY EXISTING SERVICES INVERTS ON SITE BY PHYSICAL EXCAVATION AT ALL LOCATIONS WHERE NEW SERVICE CONNECTS/CROSS EXISTING SERVICES BEFORE PLACING ORDER FOR SEWER MANHOLES AND OTHER MATERIAL AND REPORT TO DESIGN ENGINEER.
6. THE LOCATION/ELEVATION/INVERT OF ALL ABOVE/UNDER GROUND UTILITIES INCLUDING BUT NOT LIMITED TO HYDRO, GAS, BELL, ROGERS, STORM SEWER, SANITARY SEWER, WATERMAIN, ETC. MAY OR MAY NOT BE SHOWN ON THIS SET OF DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO DERIVE EXACT LOCATION/ELEVATION/INVERT BY CONSULTING CONCERNED UTILITY COMPANIES/MUNICIPAL AUTHORITIES AND PHYSICAL SITE INVESTIGATION. AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE SAME.



LAP JOINT DETAIL
N.T.S.

REFER TO NOTES AND DETAILS ILLUSTRATED ON DRAWING "SS-2"

Plot Style Table: FD_SS-SG.CTB
File Path: D:\FLORA_Designs\PROJECT_Work\025498_Snyder_Notre Dame CES_Orillia\06-WORKING\DWG

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION
140 Atlantis Drive, Orillia

Architect
snyder
Snyder Architects Inc.
100 Broadview Ave, Suite 301, Toronto, ON M4M 3H3
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www.snyderarchitects.ca

Consultants

Mechanical and Electrical Consultants
RDZ Engineering Ltd
30 Pennsylvania Avenue, Unit 17A
Vaughan, Ontario, L4K 4A5
Tel: 416-317-8804

Structural Consultants
LEA Consulting Ltd.
625 Cochrane Drive, 5th Floor
Markham, Ontario, L3R 9R9
Tel: 905-470-0015

Civil Consultant
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1109 Britannia Rd East
Mississauga, Ontario, L4W 3X1
Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

Key Plan (N.T.S.)



SURVEY PLAN INFORMATION:
PART OF LOT 5, CONCESSION 2
(GEOGRAPHIC TOWNSHIP OF SOUTH ORILLIA)
TOWNSHIP OF
ORO-MEDONTE / CITY OF ORILLIA
COUNTY OF SIMCOE

BENCHMARK NOTE:
ALL ELEVATIONS ARE GEODETIC FERERRED TO GNSS OBSERVATIONS USING REAL TIME NETWORK (RTN), GNSS VERTICAL DATUM HTv2 (HEIGHT TRANSFORMATION VERSION 2.0).

TBM#1 - TOP TURN ARROW OF FIRE HYDRANT, LOCATED APPROXIMATELY 44.1m NORTH WEST OF THE SOUTH EAST CORNER OF LOT 5, CONCESSION 2, HAVING AN ELEVATION OF 284.86m.

TBM#2 - CUT CROSS IN CONCRETE LIGHT STANDARD BASE, LOCATED APPROXIMATELY 6.6m NORTH OF THE NORTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 283.85m.

BEARING NOTE:
BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS ON MONUMENTS ORP-1 AND ORP-2 BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17N, NAD83 (CSSR, CBNv6-2010.0), AS SHOWN ON SURVEY DRAWING HAVING A GRID BEARING OF N32°03'15"W.

FOR BEARING COMPARISONS, A COUNTER-CLOCKWISE ROTATION OF 01°03'25" WAS APPLIED TO (P2) AND A COUNTER-CLOCKWISE ROTATION OF 01°02'25" WAS APPLIED TO (P3).

ALL COORDINATES ARE IN METERS AND WERE DERIVED FROM GNSS OBSERVATIONS USING THE CAN-NET NETWORK, AND ARE REFFERED TO UTM ZONE 17, NAD83 (CSRS-2010.0).

COORDINATE VALUES ARE TO A URBAN ACCURACY IN ACCORDANCE WITH O.REG.216/10..

POINT ID	NORTHING	EASTING
ORP 1	4940776.944	622113.729
ORP 2	4941033.409	621953.131

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

SURVEY INFORMATION NOTE:
REFER TO TOPOGRAPHIC SURVEY DRAWING AND REAL PROPERTY REPORT PREPARED BY DEARDEN AND STANTON LTD. ONTARIO LAND SURVEYORS, O.L.S. DWG # E-4152, DATED JAN 17, 2025 FOR SURVEY INFORMATION INCLUDING BEARING AND BENCHMARK DETAILS.

EXISTING UNDERGROUND UTILITY INFORMATION NOTE:
EXISTING UNDERGROUND UTILITIES ARE SHOWN FROM THE INFORMATION PROVIDED IN THE SURVEY DRAWING PREPARED BY DEARDEN AND STANTON LTD.

Project North | True North

No.	Revisions	Date

No.	Issue	Date
8	ISSUED FOR TENDER	NOV 12, 2026
7	ISSUED FOR PRE-TENDER	OCT 26, 2026
6	ISSUED FOR TENDER	MAY 28, 2026
5	ISSUED FOR PE-TENDER	MAY 22, 2026
4	ISSUED FOR PERMIT	APR 24, 2026
3	ISSUED FOR SPA RE-SUBMISSION	MAR 23, 2026
2	ISSUED FOR 80% PROGRESS SET	FEB 10, 2026
1	ISSUED FOR SPA SUBMISSION	NOV 14, 2025

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

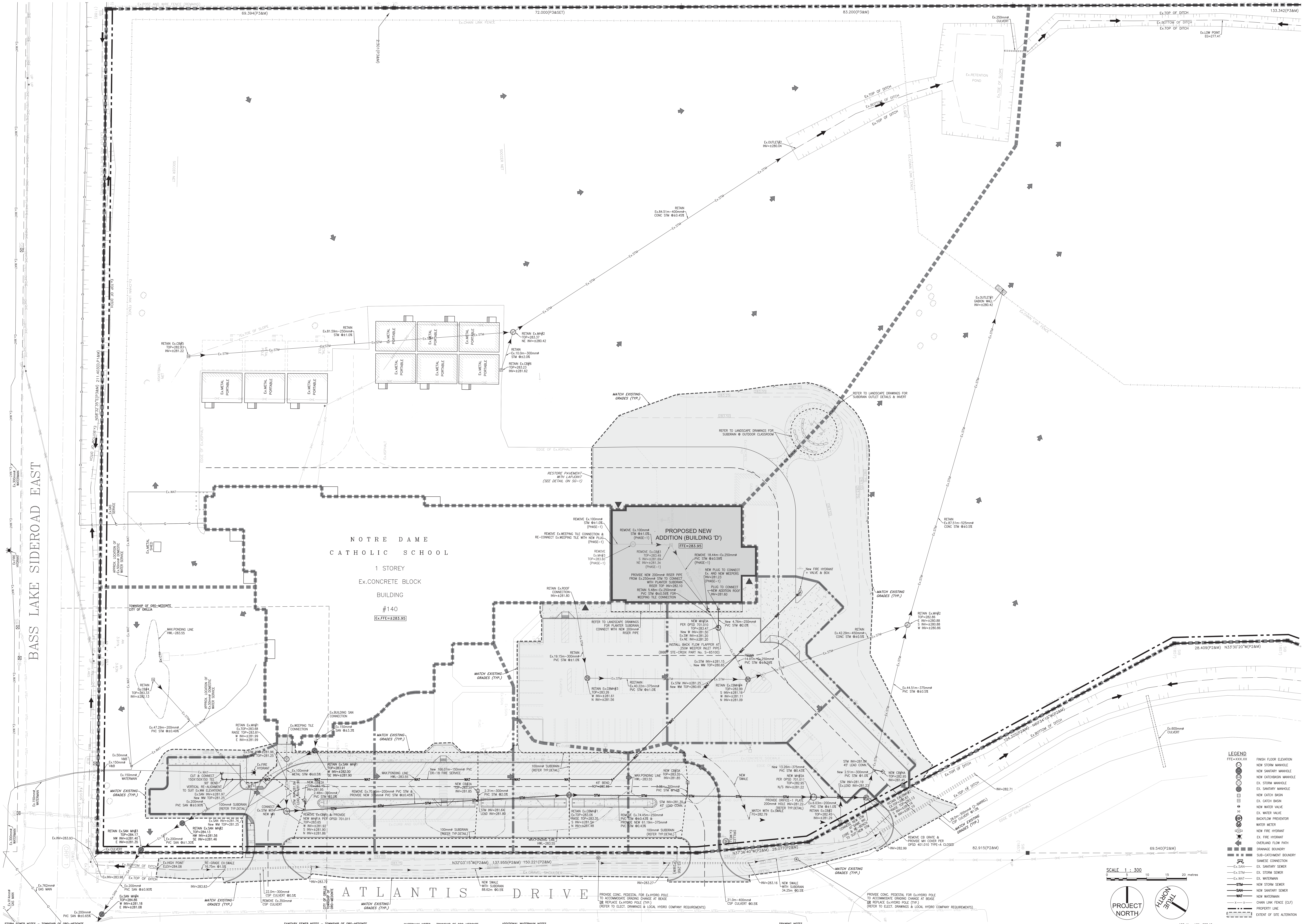
LICENSED PROFESSIONAL ENGINEER
C.C.PATEL
100136451
Nov 12, 2026
Proj#25498
PROVINCE OF ONTARIO

Drawing Title:
SITE GRADING PLAN

(File No.: 2024-PCA-29 & 2025-SPA-10)

Scale: As Noted	Date: As Noted
Drawn by: AT	Checked by: CP
Job No. 2502	Drawing No. SG-1

Plot Date: Nov 13, 2026 FD Job # 25498



Project North
True North

LEGEND

- FFE=XXX.XX — FINISH FLOOR ELEVATION
- NEW STORM MANHOLE
- NEW SANITARY MANHOLE
- NEW CATCHBASIN MANHOLE
- EX. STORM MANHOLE
- EX. SANITARY MANHOLE
- NEW CATCH BASIN
- EX. CATCH BASIN
- NEW WATER VALVE
- EX. WATER VALVE
- BP — BACKFLOW PREVENTOR
- M — WATER METER
- NEW FIRE HYDRANT
- EX. FIRE HYDRANT
- OVERLAND FLOW PATH
- DRAINAGE BOUNDRY
- SUB-CATCHMENT BOUNDRY
- SIAMESE CONNECTION
- Ex.SAN — EX. SANITARY SEWER
- Ex.STM — EX. STORM SEWER
- Ex.WAT — EX. WATERMAIN
- STM — NEW STORM SEWER
- SAN — NEW SANITARY SEWER
- WAT — NEW WATERMAIN
- x — x — CHAIN LINK FENCE (CLF)
- PROPERTY LINE
- EXTENT OF SITE ALTERATION

STORM SEWER NOTES – TOWNSHIP OF ORO-MEDONTE

A. ~~MH~~, CBMH AND DICBMH TO OPSD–701.xxx (AS APPLICABLE) C/W SUMP UNLESS NOTED OTHERWISE.
B. STEPS TO OPSD–405.010.
C. MH FRAMES AND GRATES TO OPSD–401.01 TYPE 'A' (CLOSED COVER), LABELED STORM.
D. CB'S TO OPSD–705.010, 705.020.
E. DICB'S TO OPSD–705.030, 705.040, 706.010, 706.020, 706.030, 706.040.
F. CB AND CBMH FRAMES AND GRATES TO OPSD–400.020 OR IN SPECIFIC CIRCUMSTANCES 400.100 AND REAR LOT 400.120.
G. PIPE SUPPORT AT MH'S, CB'S AND CBMH'S TO OPSD–708.020.
H. CB LEADS – 300mm DIA SINGLE AND 375mm DIA DOUBLE TO OPSD–708.010, 708.030.
I. PROTECTION DURING CONSTRUCTION TO OPSD–808.010 (ARCHIVED).
J. BEDDING AND COVER TO OPSD–802.010 (FLEXIBLE PIPE), GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL OR OPSD–802.030, 802.031 AND 802.032 (RIGID PIPE) GRANULAR 'A' BEDDING AND GRANULAR 'B' (MAXIMUM AGGREGATE SIZE 25mm) COVER.
K. TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
L. BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.

ADDITIONAL STORM SEWER NOTES

1. MINIMUM SIZE OF MAINTENANCE HOLES TO BE 1500mm DIAMETER FROM THE BASE TO 1.80m IN HEIGHT (MIN.) AT WHICH POINT A TAPER TRANSITION TO 1.20m CAN BE MADE.
2. ALL POLYVINYL CHLORIDE (PVC) SEWER PIPES AND FITTINGS SHALL CONFORM TO THE FABRICATION REQUIREMENTS OF CSA B182.2 – B182.4, AS WELL AS ASTM D 3034, F 679, F794 AND UNI-B-5, B-6, AND B-9. ALL PIPES AND FITTINGS SHALL MEET CURRENT M.O.E. AND TOWNSHIP OF ORO-MEDONTE SPECIFICATIONS. THE PVC PIPE SHALL HAVE A MAXIMUM STANDARD DIMENSION RATIO (SDR) OF 35 AND SHALL BE GREEN IN COLOR.
3. SMOOTH WALL RIBBED PVC AND/OR POLYETHYLENE PIPE PRODUCTS ARE NOT ALLOWED FOR THIS PROJECT.
4. ALL CONCRETE SEWER PIPES 300mm DIAMETER OR LARGER SHALL CONFORM TO CSA-A257.2 REINFORCED CLASSES AS SPECIFIED (50-D, 65-D, 100-D, OR 140-D) WHILE CONCRETE SEWERS 250mm DIAMETER OR SMALLER SHALL CONFORM TO CSA-A257.1 CLASS 3 OR LATEST AMENDMENT UNLESS OTHERWISE SPECIFIED.
5. THE MINIMUM PIPE SIZE FOR STORM SEWERS SHALL BE 300mm DIAMETER.
6. WHERE WATER BEARING SAND OR SILT OCCURS, THE SEWER JOINTS SHALL BE LEAK-PROOF, OR WRAPPED WITH A WATER PROOF MEMBRANE TO PREVENT SUBGRADE MIGRATION THROUGH LEAKY JOINTS RESULTING FROM INADVERTENT FAULTY INSTALLATION. THE NECESSITY OF IMPLEMENTING THESE MEASURES CAN BEST BE DETERMINED DURING SEWER CONSTRUCTION.
7. ALL GRANULAR MATERIAL FOR STRUCTURE AND SEWER BACKFILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND COMPACTED TO 95% PROCTOR DENSITY.
8. MANHOLE AND CATCHBASIN ADJUSTERS SHALL BE PER OPSD 704.010 TO A MAXIMUM DEPTH OF 0.30m. MAXIMUM 3 ADJUSTER RINGS ALLOWED IN ANY COMBINATION OF 2", 4" & 6".
9. ALL STORM SEWER MAINTENANCE HOLES SHALL BE BENCHED TO THE OBVERT OF THE OUTLET PIPE FOR PIPE SIZES 600mm OR LESS AND TO THE SPRING LINE OF THE OUTLET PIPE FOR PIPE SIZES 675mm AND GREATER.
10. PROVIDE BENCHING IN ALL MAINTENANCE HOLES PER OPSD 701.021. ALL BENCHING SHALL BE A MINIMUM OF 230mm IN WIDTH.
11. ALL MAINTENANCE HOLES AND CATCH BASIN STRUCTURES SHALL HAVE FROST STRAPS IN ACCORDANCE WITH OPSD 701.100.
12. DROP STRUCTURES FOR NEW MANHOLES SHALL BE AS PER OPSD–1003.01 AND OPSD–1003.02. DROP PIPE SHALL BE ONE SIZE LESS THAN SEWER TO A MAX. OF 450mm DIAMETER AND SHALL BE CONNECTED TO MAINLINE SEWER WITH TEE OR WYE.
13. SAFETY GRATINGS SHALL BE REQUIRED ON ALL MAINTENANCE HOLES WHEN THEIR DEPTH EXCEEDS 5.0m. MAXIMUM SPACING BETWEEN SAFETY GRATES IS 5.0m AS PER OPSD 404.020. PLATFORMS TO BE INSTALLED AT THE HALF WAY POINT.
14. ONTARIO CONCRETE PIPE ASSOCIATION (OCPA) PRE-BENCHED MANHOLE BASES SHALL BE USED, WHERE POSSIBLE.
15. ALL PVC SEWER PIPES SHALL PASS A MANDREL TEST (RING TEST) TO CONFIRM THE PROPER PIPE INSTALLATION AFTER THE COMPLETION OF BACKFILLING ON THE PIPE TO THE PROPOSED ROAD ELEVATION AND PRIOR TO ROAD CONSTRUCTION.
16. GENERAL INSTALLATION AND TESTING OF SEWERS AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 407, 408, 409 (CCTV), 410, 421 AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.

SANITARY SEWER NOTES – TOWNSHIP OF ORO-MEDONTE

A. MH'S TO OPSD–701.xxx (AS APPLICABLE).
B. BENCHING TO OPSD–701.021. NOTE: MINIMUM HOLE SIZE IN WALL IF PRE-CAST RISER SECTION SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS.
C. STEPS TO OPSD – 405.010.
D. FROST STRAPS SHALL BE INSTALLED ON ALL MAINTENANCE HOLE AS PER OPSD–701.100.
E. BEDDING AND COVER TO OPSD–802.010 (FLEXIBLE PIPE), GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
F. TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
G. FRAMES AND COVERS TO OPSD–401.01 TYPE 'A' (CLOSED COVER).
H. SERVICE CONNECTIONS TO OPSD–1006.020 (125mm), GRANULAR 'A' EMBEDMENT, TERMINATE AT PROPERTY LINE 2.5m RIGHT OF WATER SERVICE (FACING LOT) WITH A TEST FITTING, 125X100 REDUCER C/W PLUG AND 38mmx89mm MARKER POST PAINTED GREEN. MINIMUM GRADE TO BE 2.0%.
I. RADIUS BENDS TO BE USED ON SANITARY SEWER CONNECTIONS WHERE THE ANGLE OF CONNECTION BETWEEN THE SERVICE AND SEWER EXCEEDS 90°.
J. BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
K. CLEAR STONE WRAPPED WITH FILTER FABRIC CAN BE SUBSTITUTED FOR EMBEDMENT MATERIAL IF APPROVED BY THE ENGINEER.
L. MAINTENANCE HOLE FRAMES TO BE SET TO BASE COURSE ASPHALT ELEVATION AND RAISED PRIOR TO PLACING SURFACE COURSE ASPHALT TO THE SATISFACTION OF THE TOWNSHIP.
M. PIPE SUPPORT AT MAINTENANCE HOLES AS PER OPSD–708.020.
N. ALL MAINTENANCE HOLES, UNLESS EXPRESSLY IDENTIFIED ARE 1500mm DIAMETER.
O. GENERAL INSTALLATION AND TESTING OF SEWERS AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 407, 408, 409 (CCTV), 410, 421 AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.

WATERMAIN NOTES – TOWNSHIP OF ORO-MEDONTE

A. BEDDING AND COVER TO OPSD–802.010, GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
B. TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
C. THRUST BLOCKS TO OPSD–1103.010 AND 1103.020 WHERE SUITABLE SOILS ARE ENCOUNTERED.
D. SERVICE CONNECTIONS TO OPSD–1104.010, 100mm GRANULAR 'A' EMBEDMENT AND COVER OVER PIPE. TERMINATE AT PROPERTY LINE AT CENTER OF LOT C/W CURB STOP AND BOX, TESTING TAIL TO SURFACE ATTACHED TO A 38mmx89mm MARKER POST PAINTED BLUE.
E. HYDRANTS TO OPSD–1105.010. DRAIN PLUGS SHALL BE INSTALLED.
F. BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
G. MINIMUM COVER ON WATERMAIN AND SERVICES TO BE 1.8m.
H. GATE VALVES, BENDS AND HYDRANT LEADS AND FITTINGS TO BE CONNECTED WITH ROMAX GRIP RING RESTRAINING CLAMP.
I. CLEARANCE BETWEEN WATERMAINS AND SEWERS TO BE A MINIMUM OF 0.5m VERTICAL WHERE WATERMAIN IS BELOW SEWER OR 2.5m MINIMUM HORIZONTAL SEPARATION. WATERMAIN SHALL BE ABOVE WHERE POSSIBLE. WHERE WATERMAIN IS ABOVE SEWER, THE MINIMUM SEPARATION TO BE 0.5m (BEDDING MATERIAL).
J. SERVICE TO OPSD–1104.010 AND SHALL BE DIRECT TAP.
K. FOLLOWING TESTING, CONTRACTOR SHALL OPERATE EACH WATER SERVICE TO VERIFY FULL FLOW AND PRESSURE AT THE CURB STOP TO THE SATISFACTION OF THE ENGINEER.
L. GENERAL INSTALLATION AND TESTING OF WATERMAIN AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 701 AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.

ADDITIONAL WATERMAIN NOTES

1. WATERMAINS 100mm TO 300mm DIAMETER TO BE P.V.C. CL150 (DR-18) WITH GASKETED JOINTS.
2. WATER SERVICE CONNECTIONS UP TO 50nn DIA. SHALL BE TYPE K SOFT COPPER TUBING.
3. A MIN. HORIZONTAL SEPARATION OF 2.5M MUST BE MAINTAINED BETWEEN WATERMAINS AND SANITARY OR STORM SEWERS, INCLUDING SERVICE LATERALS.
4. FIRE HYDRANTS SHALL BE AVK, MCAVITY OR C.V. MUELLER OPEN LEFT WITH 2 CSA HOSE PORTS, ONE 33 B PUMPER PORT AND A BREAKAWAY TYPE 6'H MJ BASE. THE HYDRANT LEAD SHALL BE MINIMUM 150mm DUCTILE, CLASS 52 WITH A RESILIENT SEATED GATE VALVE SHUT OFF ("OPEN LEFT" BY CLOW OR MEULLER) PLACED RIGHT AFTER TEEING OFF MAIN. SHALL HAVE ALL DRAIN HOLES PLUGGED AND BE INSTALLED AS PER OPSD 1105.010.
5. GATE VALVES SHALL BE AN AVK, MUELLER OR CLOW RESILIENT WEDGE TYPE WITH SLIDING TYPE VALVE BOX OR APPROVED EQUAL. ALL VALVES SHALL BE OF THE APPROVED TYPE WITH NON-RISING STEM AND A 50mm SQUARE OPERATING NUT OPENING COUNTER CLOCKWISE. ALL VALVES ON 200mm DIA. WATERMAIN OR SMALLER SHALL HAVE MECHANICAL JOINT ENDS.
6. CATHODIC PROTECTION SHALL BE PROVIDED FOR ALL TRACER WIRES ON PVC AND CPP WATERMAINS. ONE 5.4 KG ZINC ANODE SHALL BE INSTALLED FOR EVERY 1000m OF TRACER WIRE.
7. ONE 5.4 KG ZINC ANODE SHALL BE INSTALLED ON ALL NEW COPPER SERVICE CONNECTIONS AND ALL EXISTING COPPER SERVICE CONNECTIONS THAT ARE EXPOSED DURING ANY TYPE OF ROAD RECONSTRUCTION WORK.
8. ONE 5.4 KG ZINC ANODE SHALL BE INSTALLED ON EVERY VALVE, HYDRANT AND FITTING CONNECTED TO A NON-FERROUS WATERMAIN. FITTINGS INCLUDE BENDS, TEES, CROSSES, SLEEVES, REDUCERS, PLUGS, CAPS, JOINT RESTRAINERS AND COUPLINGS.
9. ALL VALVES AND FITTINGS INSTALLED ON EXISTING FERROUS WATERMAINS SHALL BE CATHODICALLY PROTECTED BY A 14.5 KG MAGNESIUM ANODE. BONDING CABLES SHALL BE PROVIDED ON EACH SIDE OF THE FITTING TO THE EXISTING WATERMAIN. BONDING CABLES SHALL BE NO. 6, SEVEN STRAND COATED COPPER WIRE CONNECTED TO THE FITTINGS AND WATERMAIN BY A THERMITE WELD (CADWELD).
10. WHEN CONNECTING A NON-FERROUS WATERMAIN TO A FERROUS WATERMAIN, THE FERROUS WATERMAIN SHALL BE CATHODICALLY PROTECTED BY A 14.5 KG MAGNESIUM ANODE.
11. WHEN A FERROUS WATERMAIN IS EXPOSED DURING CONSTRUCTION OF UNDERGROUND UTILITIES, A 14.5 KG MAGNESIUM ANODE SHALL BE INSTALLED AT EACH LOCATION.
12. ALL WELD CONNECTIONS TO BE COATED WITH "TC MASTIC" OR APPROVED EQUIVALENT.
13. ALL PVC WATERMAIN FITTINGS INCLUDING PLUGS, CAPS, TEES, AND BENDS SHALL BE MECHANICALLY RESTRAINED AS PER MANUFACTURERS SPECIFICATIONS. RESTRAINTS SHALL MEET UNI-B-13-92.
14. WATER SERVICES CROSSING THE STORM SEWER TO HAVE MIN. 1.80m OF COVER. WHERE THIS CANNOT BE ACHIEVED, WATER SERVICE IS TO CROSS UNDER STORM SEWER.
15. VERTICAL AND HORIZONTAL ALIGNMENT OF WATERMAIN TO BE ACHIEVED BY DEFLECTION OF JOINTS AS PER MANUFACTURER'S SPECIFICATIONS. DEFLECTION IN THE BARREL IS NOT PERMITTED.
16. TRACER WIRE IS TO BE INSTALLED ON ALL NEW INSTALLATIONS OF PVC WATERMAIN PIPE FOR LOCATING PURPOSES. TRACER WIRES SHALL BE NO. 12 GAUGE STRANDED COPPER (TWH) COMPLETE WITH PLASTIC COATING. SHALL BE STRAPPED TO THE TOP OF PIPE AT 6 METER INTERVALS WITH J CLIPS AND SHALL BE LOOPED UP AND OUTSIDE EACH VALVE BOX AND DRILLED IN AT THE TOP, INCLUDING HYDRANT VALVES AND SHALL ALSO BE CONNECTED TO THE BOTTOM FLANGE OF ALL HYDRANTS. JOINTS IN THE WIRE BETWEEN VALVES ARE NOT PERMITTED.
17. THE INSPECTOR MAY TEST THE TRACING WIRE FOR CONDUCTIVITY. IF THE TRACING WIRE IS NOT CONTINUOUS FROM VALVE TO VALVE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE WIRE.
18. ALL WATER CUSTOMERS SUPPLIED BY A WATERMAIN TO BE SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS IN ADVANCE OF THE SHUT DOWN AS PER REGION OF DURHAM SPECIFICATIONS. NOTIFICATION SHALL TAKE PLACE UNDER THE ENGINEER'S DIRECTION.
19. OPERATION OF EXISTING WATERMAINS SHALL BE BY TOWNSHIP STAFF ONLY.

ADDITIONAL SANITARY SEWER NOTES

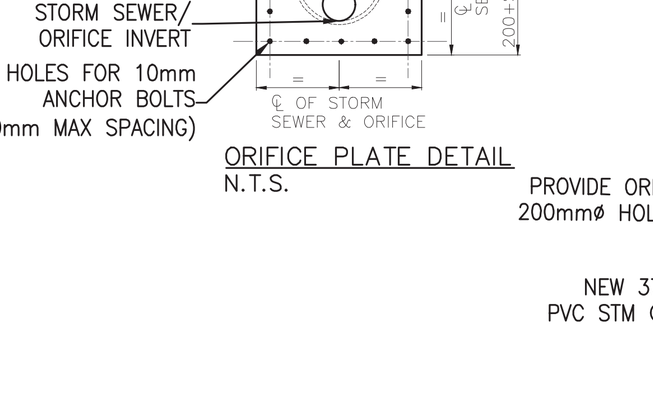
1. UNLESS OTHERWISE NOTED, ALL NEW SANITARY SEWERS ARE TO BE PVC SDR 35.
2. ALL GRANULAR MATERIAL FOR STRUCTURE AND SEWER BACKFILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND COMPACTED TO 95% PROCTOR DENSITY.
3. DROP STRUCTURES FOR NEW MANHOLES SHALL BE AS PER OPSD–1003.01 AND OPSD–1003.02. DROP PIPE SHALL BE ONE SIZE LESS THAN SEWER TO A MAX. OF 450mm DIAMETER AND SHALL BE CONNECTED TO MAINLINE SEWER WITH TEE OR WYE.
4. SAFETY GRATINGS SHALL BE REQUIRED ON ALL MAINTENANCE HOLES WHEN THEIR DEPTH EXCEEDS 5.0m. MAXIMUM SPACING BETWEEN SAFETY GRATES IS 5.0m AS PER OPSD 404.020. PLATFORMS TO BE INSTALLED AT THE HALF WAY POINT.
5. ONTARIO CONCRETE PIPE ASSOCIATION (OCPA) PRE-BENCHED MANHOLE BASES SHALL BE USED, WHERE POSSIBLE.

DRAWING NOTES

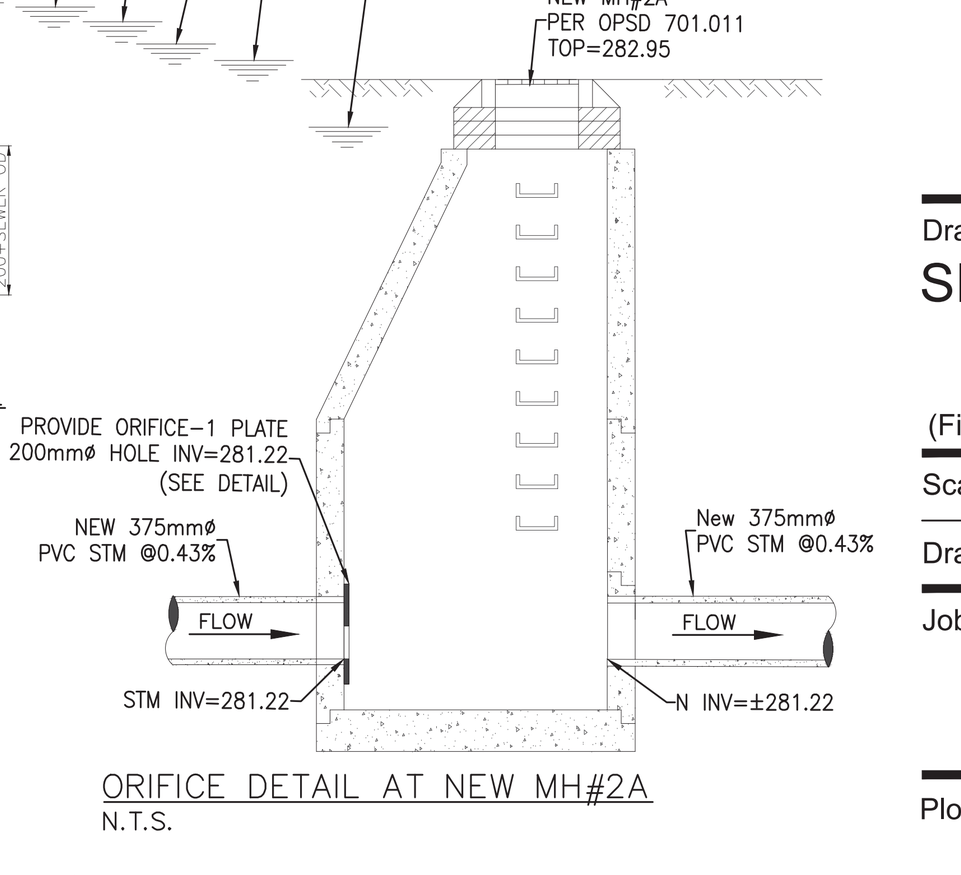
1. THIS DEVELOPMENT APPLICATION PROPOSES TO MAKE USE OF THE EXISTING STORM, SANITARY AND WATER SERVICES AND DO NOT PROPOSE ANY NEW SERVICE CONNECTIONS.
2. REFER TO MECHANICAL DRAWINGS FOR CLEAN OUT DETAILS FOR ROOF DRAIN CONNECTION WITH THE EXTERIOR STORM SEWER NETWORK.
3. REFER TO ARCHITECTURAL AND/OR MECHANICAL DRAWINGS FOR BUILDING WEEPING TILE CONNECTION WITH EXTERIOR STORM SEWER NETWORK. SEWER BACK-UP VALVE MUST BE INSTALLED AT ALL WEEPING TILE CONNECTIONS.
4. REFER TO SITE PLAN AND/OR DEMOLITION PLAN FOR ALTERATION TO THE EXISTING BUILDINGS, CURBS, SIDE WALKS, FIRE ROUTES, DRIVEWAYS, PARKING, ETC.
5. REFER TO SITE PLAN FOR TYPICAL DETAILS FOR CURBS, SIDEWALKS, DRIVEWAY, PARKING STALLS ETC AND ALL OTHER SITE FURNITURE DETAILS.
6. REFER TO SITE PLAN AND/OR GEO-TECHNICAL REPORT FOR ASPHALT AND ALL OTHER PAVEMENT STRUCTURE RECOMMENDATIONS.
7. REFER TO LANDSCAPE DRAWINGS FOR TOPSOIL THICKNESS IN GRASS/SOD AREAS AND OTHER LANDSCAPE ISLANDS ON PRIVATE PROPERTY.
5. RETAIN ALL EXISTING CB, MANHOLES, STORM SEWER, SANITARY SEWER AND WATERMAINS UNLESS NOTED TO REMOVE.
6. KEEP ALL EXISTING STORM SEWER INFRASTRUCTURE MARKED AS REMOVE UNTIL THE CONSTRUCTION OF STORM SEWER ALTERATIONS AS PROPOSED IN THIS DRAWING ARE COMPLETE. CONTRACTOR IS RESPONSIBLE TO PUMP WATER AS REQUIRES AS UNTIL STORM SEWER ALTERATION IS COMPLETE.
7. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE SAME.
8. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
9. ALL LANDSCAPE GRADING AND OTHER SITE WORKS TO OCCUR WITHIN DRIPLINE OF EXISTING TREES, SHALL BE PERFORMED BY HAND ONLY.
10. THIS DEVELOPMENT APPLICATION DO NOT PROPOSE ANY ALTERATION TO THE ROAD/SITE FURNITURE AND SURFACE TREATMENTS, EXISTING UTILITIES AND OTHER ELEMENTS SHOWN ON THIS SET OF DRAWINGS OUTSIDE THE CONSTRUCTION LIMITS UNLESS NOTED. REFER TO ADJOINING AREA DEVELOPMENT DRAWINGS FOR ANY WORKS OUTSIDE THE CONSTRUCTION ZONE IDENTIFIED FOR THIS DEVELOPMENT APPLICATION.
11. CONTRACTOR IS RESPONSIBLE TO FLUSH THE EXISTING AND PROPOSED STORM AND SANITARY SYSTEM INCLUDING SERVICE CONNECTIONS AT THE COMPLETION OF CONSTRUCTION TO THE SATISFACTION OF GOVERNING AUTHORITY PRIOR TO FINAL CERTIFICATION.
12. CONTRACTOR IS RESPONSIBLE FOR AS-BUILT SITE SURVEY SHOWING ALL TOPOGRAPHIC AND INVERT ELEVATIONS AND TO PREPARE AS-BUILT SITE GRADING AND SITE SERVICING DRAWINGS AFTER COMPLETION OF WORK. DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL BEFORE FILING IT WITH THE AS-BUILT PROJECT RECORDS.
13. CONTRACTOR IS RESPONSIBLE TO ENGAGE A QUALIFIED VIDEO PRODUCTION COMPANY SPECIALIZING IN PIPE INSPECTION TO INSPECT PIPE PRIOR TO BACKFILLING AND AGAIN AFTER COMPLETION OF BASE COAT ASPHALT AND SUBMIT VIDEO RECORDS TO THE OWNER AND ENGINEER PRIOR TO FINAL CERTIFICATION.
14. CONTRACTOR IS RESPONSIBLE FOR FLUSHING, DISINFECTING AND TESTING OF DOMESTIC WATER AND FIRE MAINS AS OUTLINED IN O.B.C. AND NFPA 13 LATEST EDITION. SHALL BE IN COMPLIANCE WITH THE LOCAL GOVERNING AUTHORITY STANDARDS.
15. CONTRACTOR IS RESPONSIBLE TO MAKE COMPLETE ARRANGEMENTS WITH THE GOVERNING AUTHORITIES FOR INSPECTIONS, AND PAY ALL FEES AND CHARGES TO INSTALL THE STORM SEWER, SANITARY SEWER AND WATER MAINS INCLUDING SERVICE CONNECTIONS AS SHOWN ON THIS SET OF DRAWINGS.
16. CONTRACTOR IS RESPONSIBLE FOR ALL KIND OF SHORING/WIDE TRENCH EXCAVATION AND/OR ANY OTHER MEANS OF CONSTRUCTION PROCEDURE/TEMPORARY WORKS AS REQUIRED FOR THE CONSTRUCTION OF DEEP SEWERS/WATERMAIN/STRUCTURES AS SHOWN ON THIS SET OF DRAWINGS. ALL THE COST ASSOCIATED WITH THIS TEMPORARY WORKS AND RESTORATION OF THE DISTURBED AREA TO ORIGINAL AND/OR BETTER CONDITION PER THE GOVERNING AUTHORITY STANDARDS MUST BE INCLUDED IN THE CONTRACT PRICE.
17. CONTRACTOR IS RESPONSIBLE TO COLLECT INSPECTION AND TEST REPORTS FOR INSTALLATION OF SEWERS/WATERMAINS/STRUCTURES INCLUDING COMPACTION AND MATERIAL TEST REPORTS FOR BEDDING AND BACKFILLING FROM FIELD REVIEW CONSULTANT. CONTRACTOR MUST PROVIDE THIS REPORTS TOGETHER WITH PHOTOGRAPHIC EVIDENCE OF EACH STAGE OF CONSTRUCTION TO THE DESIGN ENGINEER PRIOR TO PLACEMENT OF FINISH COAT ASPHALT.

NOTES

1. STORM AND SANITARY SEWER NOTATIONS AND DIRECTIONS ARE BASED ON ACTUAL NORTH.
2. CONTRACTOR MUST VERIFY EXISTING SERVICES INVERTS ON SITE BY PHYSICAL EXCAVATION AT ALL LOCATIONS WHERE NEW SERVICE CONNECTS/CROSS EXISTING SERVICES BEFORE PLACING ORDER FOR SEWER MANHOLES AND OTHER MATERIAL AND REPORT TO DESIGN ENGINEER.



ORIFICE PLATE DETAIL
N.T.S.



ORIFICE DETAIL AT NEW MH#2A
N.T.S.

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION

140 Atlantis Drive, Orillia

Architect

sn/der
Snyder Architects Inc.
100 Broadview Ave, Suite 301,
Toronto, ON M4M 3H3
tel. 416.966.5444
www.snyderarchitects.ca

Consultants

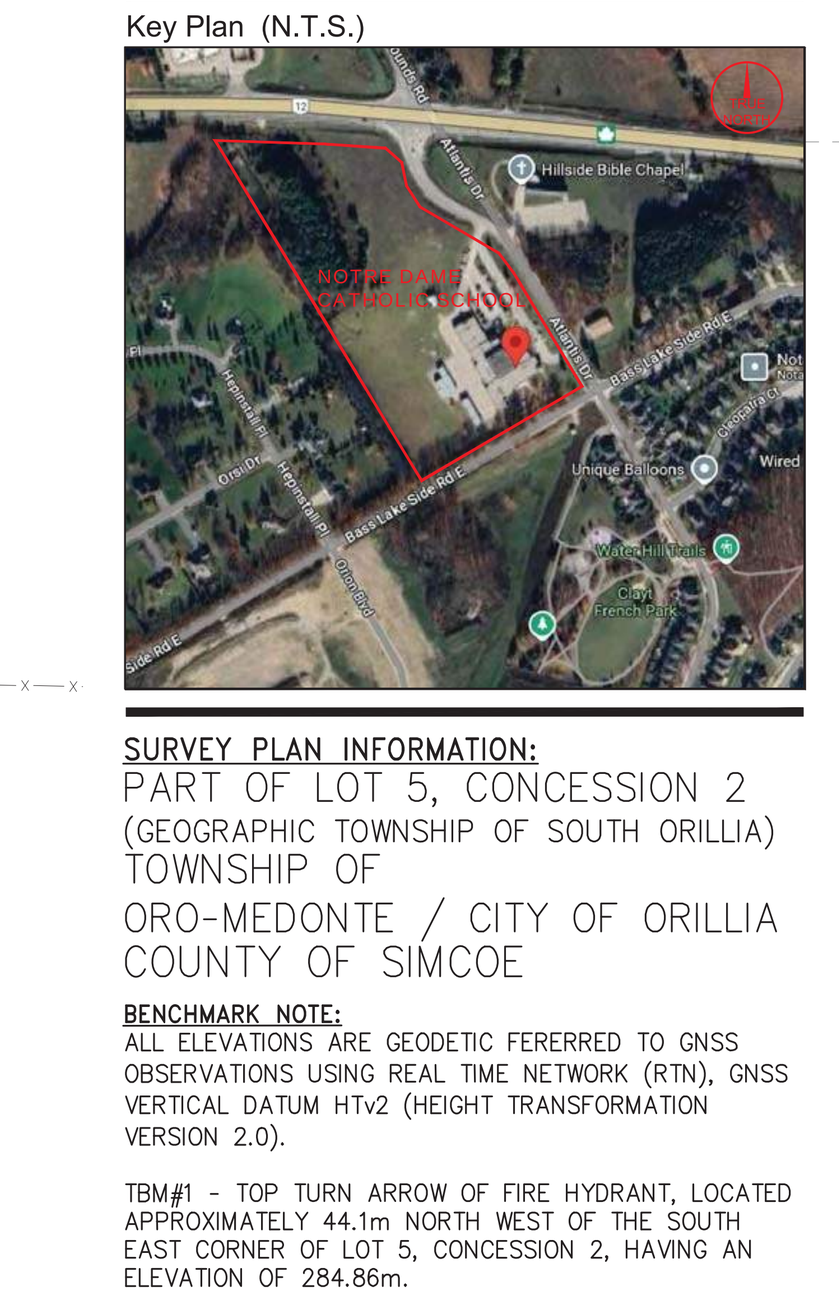
Mechanical and Electrical Consultants
RDZ Engineering Ltd
30 Pennsylvania Avenue, Unit 17A
Vaughan, Ontario, L4K 4A5
Tel: 416-317-8804

Structural Consultants
LEA Consulting Ltd.
625 Cochrane Drive, 5th Floor
Markham, Ontario, L3R 9R9
Tel: 905-470-0015

Civil Consultant
Flora Designs Inc.
1109 Britannia Rd East
Mississauga, Ontario, L4W 3X1
Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

Key Plan (N.T.S.)



SURVEY PLAN INFORMATION:
PART OF LOT 5, CONCESSION 2
(GEOGRAPHIC TOWNSHIP OF SOUTH ORILLIA)
TOWNSHIP OF
ORO-MEDONTE / CITY OF ORILLIA
COUNTY OF SIMCOE

BENCHMARK NOTE:
ALL ELEVATIONS ARE GEODETIC FERERRED TO GNSS OBSERVATIONS USING REAL TIME NETWORK (RTN), GNSS VERTICAL DATUM HTv2 (HEIGHT TRANSFORMATION VERSION 2.0).

TBM#1 - TOP TURN ARROW OF FIRE HYDRANT, LOCATED APPROXIMATELY 44.1m NORTH WEST OF THE SOUTH EAST CORNER OF LOT 5, CONCESSION 2, HAVING AN ELEVATION OF 284.86m.

TBM#2 - CUT CROSS IN CONCRETE LIGHT STANDARD BASE, LOCATED APPROXIMATELY 6.6m NORTH OF THE NORTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 283.85m.

BEEARING NOTE:
BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS ON MONUMENTS ORP-1 AND ORP-2 BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17N, NAD83 (CSSR, CBNv6-2010.0), AS SHOWN ON SURVEY DRAWING HAVING A GRID BEARING OF N32°03'15"W.

FOR BEARING COMPARISONS, A COUNTER-CLOCKWISE ROTATION OF 01°03'25" WAS APPLIED TO (P2) AND A COUNTER-CLOCKWISE ROTATION OF 01°02'25" WAS APPLIED TO (P3).

ALL COORDINATES ARE IN METERS AND WERE DERIVED FROM GNSS OBSERVATIONS USING THE CAN-NET NETWORK, AND ARE REFFERED TO UTM ZONE 17, NAD83 (CSRS-2010.0).

COORDINATE VALUES ARE TO A URBAN ACCURACY IN ACCORDANCE WITH O.REG.216/10..

POINT ID	NORTHING	EASTING
ORP 1	4940776.944	622113.729
ORP 2	4941033.409	621953.131

CAUTION:
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SURVEY INFORMATION NOTE:
REFER TO TOPOGRAPHIC SURVEY DRAWING AND REAL PROPERTY REPORT PREPARED BY DEARDEN AND STANTON LTD. ONTARIO LAND SURVEYORS, O.L.S. DWG # E-4152, DATED JAN 17, 2025 FOR SURVEY INFORMATION INCLUDING BEARING AND BENCHMARK DETAILS.

EXISTING UNDERGROUND UTILITY INFORMATION NOTE:
EXISTING UNDERGROUND UTILITIES ARE SHOWN FROM THE INFORMATION PROVIDED IN THE SURVEY DRAWING PREPARED BY DEARDEN AND STANTON LTD.

No.	Revisions	Date

No.	Issue	Date
8	ISSUED FOR TENDER	NOV 12, 2026
7	ISSUED FOR PRE-TENDER	OCT 26, 2026
6	ISSUED FOR TENDER	MAY 28, 2026
5	ISSUED FOR PE-TENDER	MAY 22, 2026
4	ISSUED FOR PERMIT	APR 24, 2026
3	ISSUED FOR SPA RE-SUBMISSION	MAR 23, 2026
2	ISSUED FOR 80% PROGRESS SET	FEB 10, 2026
1	ISSUED FOR SPA SUBMISSION	NOV 14, 2025

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

LICENSED PROFESSIONAL ENGINEER
C.C. PATEL
100136451
Nov 12, 2026
Proj#25498
PROVINCE OF ONTARIO

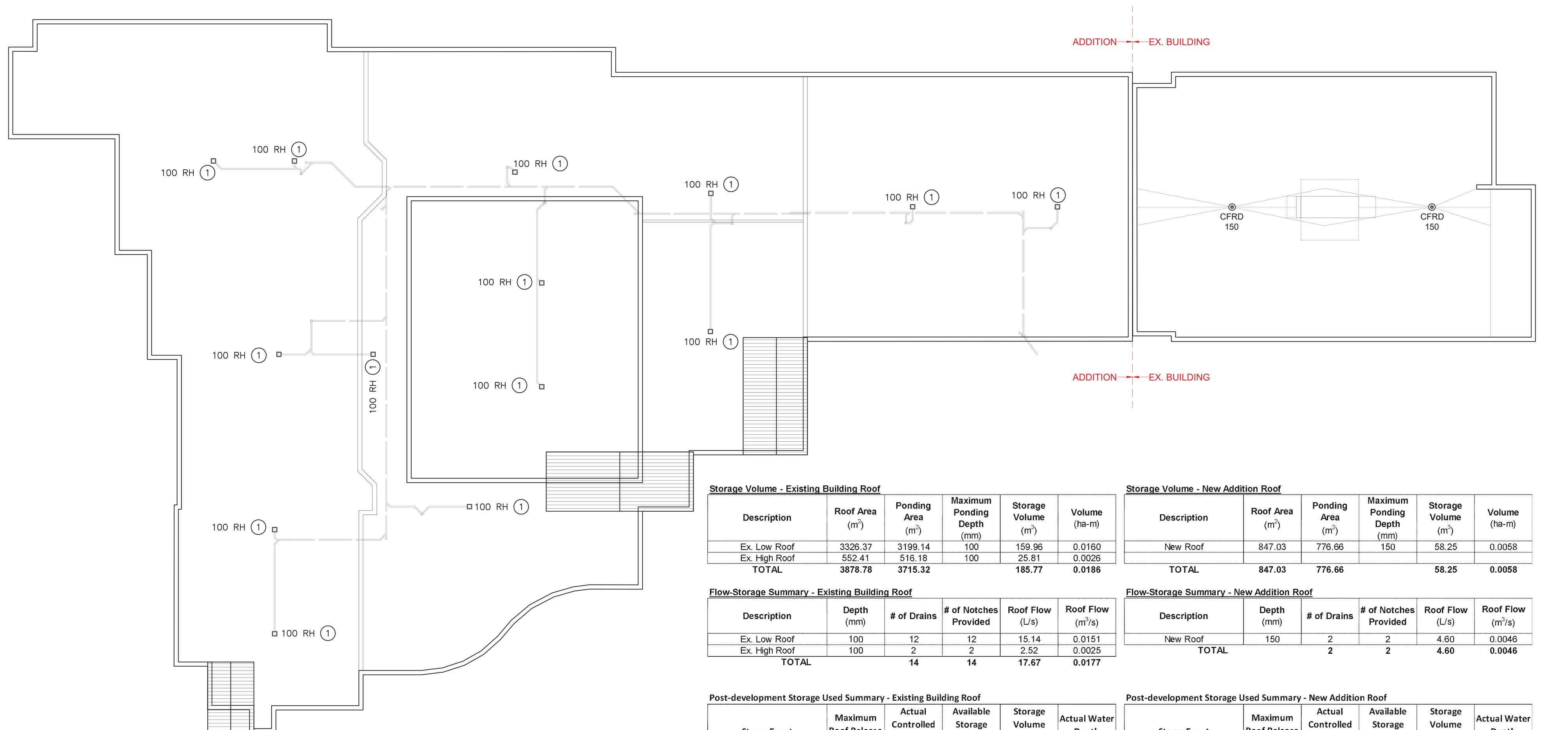
Drawing Title:
SITE SERVICING PLAN

(File No.: 2024-PCA-29 & 2025-SPA-10)

Scale: As Noted	Date: As Noted
Drawn by: AT	Checked by: CP
Job No. 2502	Drawing No. SS-1

Plot Date: Nov 13, 2026 FD Job # 25498

Plot Style Table: FD_SS-SG.CTB
File Path: D:\FLORA_Designs\PROJECT_Work\025498_Snyder_Notre Dame CES_Orillia\06-WORKING\DWG



ROOF KEY MAP:
SHOWING CONVENTIONAL AND CONTROL FLOW ROOF DRAINS
(N.T.S)(REFER TO ARCH./MECH.)

LEGENDS:

CFD 150	DENOTES	Z105 CONTROL–FLO ROOF DRAIN WITH PARABOLIC WEIR MANUFACTURED BY ZURN PLUMBING PRODUCTS GROUP
CONV.	–do–	CONVENTIONAL ROOF DRAIN
100 RH 1	–do–	CBD–BR–CR–RR CONTROL FLOW DRAINS WITH COPPER INSERTS MANUFACTURED BY ALTRA METAL SPECIALTIES

NOTES:
1. AS MARKED ON ROOF KEY MAP, 14 nos. SINGLE NOTCH CBD–BR–CR–RR CONTROL FLOW DRAINS WITH COPPER INSERTS MANUFACTURED BY ALTRA METAL SPECIALTIES ARE EXISTS ON EXISTING BUILDING ROOF. EACH ROOF DRAIN IS RATED FOR MAXIMUM DISCHARGE OF 1.26 L/sec (18.93 L/min/inch of head) PER NOTCH FOR ROOF WITH 102 mm RISE.
2. AS MARKED ON ROOF KEY MAP, PROVIDE 2 nos. SINGLE NOTCH Z105 CONTROL FLOW ROOF DRAIN ON PROPOSED ADDITION ROOF HAVING MAXIMUM DISCHARGE OF 2.30 L/sec (23 L/min/inch of head) PER NOTCH FOR ROOF WITH 152 mm RISE.
3. MAXIMUM CONTROLLED RELEASE RATE FOR 2 NOTCH IS 4.60 L/s FROM PROPOSED ADDITION ROOF.
4. PROVIDE OVERFLOW SCUPPERS AT 150 mm ABOVE MINIMUM ROOF ELEVATION ON PROPOSED ADDITION ROOF.
5. REFER TO MECHANICAL DRAWING FOR SIZE OF VERTICAL LEADER CONNECTED WITH ZURN CONTROL FLOW ROOF DRAIN.
6. REFER TO STRUCTURAL DRAWING FOR ANY ADDITIONAL ROOF LIVE LOAD RESULTED BY RAIN WATER STORAGE ON PROPOSED ADDITION ROOF.

Storage Volume - Existing Building Roof

Description	Roof Area (m^2)	Ponding Area (m^2)	Maximum Ponding Depth (mm)	Storage Volume (m^3)	Volume (ha-m)
Ex. Low Roof	3326.37	3199.14	100	159.96	0.0160
Ex. High Roof	552.41	516.18	100	25.81	0.0026
TOTAL	3878.78	3715.32		185.77	0.0186

Storage Volume - New Addition Roof

Description	Roof Area (m^2)	Ponding Area (m^2)	Maximum Ponding Depth (mm)	Storage Volume (m^3)	Volume (ha-m)
New Roof	847.03	776.66	150	58.25	0.0058
TOTAL	847.03	776.66		58.25	0.0058

Flow-Storage Summary - Existing Building Roof

Description	Depth (mm)	# of Drains	# of Notches Provided	Roof Flow (L/s)	Roof Flow (m^3/s)
Ex. Low Roof	100	12	12	15.14	0.0151
Ex. High Roof	100	2	2	2.52	0.0025
TOTAL		14	14	17.67	0.0177

Flow-Storage Summary - New Addition Roof

Description	Depth (mm)	# of Drains	# of Notches Provided	Roof Flow (L/s)	Roof Flow (m^3/s)
New Roof	150	2	2	4.60	0.0046
TOTAL		2	2	4.60	0.0046

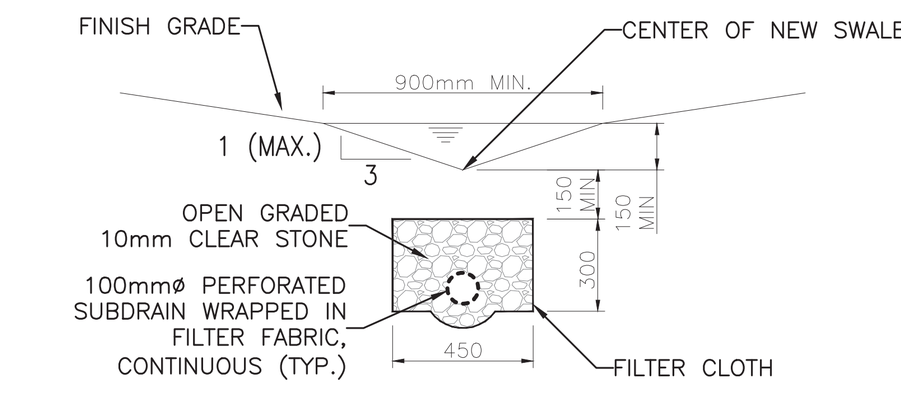
Post-development Storage Used Summary - Existing Building Roof

Storm Event	Maximum Roof Release (m^3/s)	Actual Controlled Roof Release (m^3/s)	Available Storage Volume (m^3)	Storage Volume Used (m^3)	Actual Water Depth (mm)
2-year	0.0177	0.0080	185.77	79.00	42.53
5-year	0.0177	0.0100	185.77	106.00	57.06
10-year	0.0177	0.0120	185.77	124.00	66.75
25-year	0.0177	0.0140	185.77	146.00	78.59
50-year	0.0177	0.0160	185.77	163.00	87.74
100-year	0.0177	0.0170	185.77	180.00	96.90

Post-development Storage Used Summary - New Addition Roof

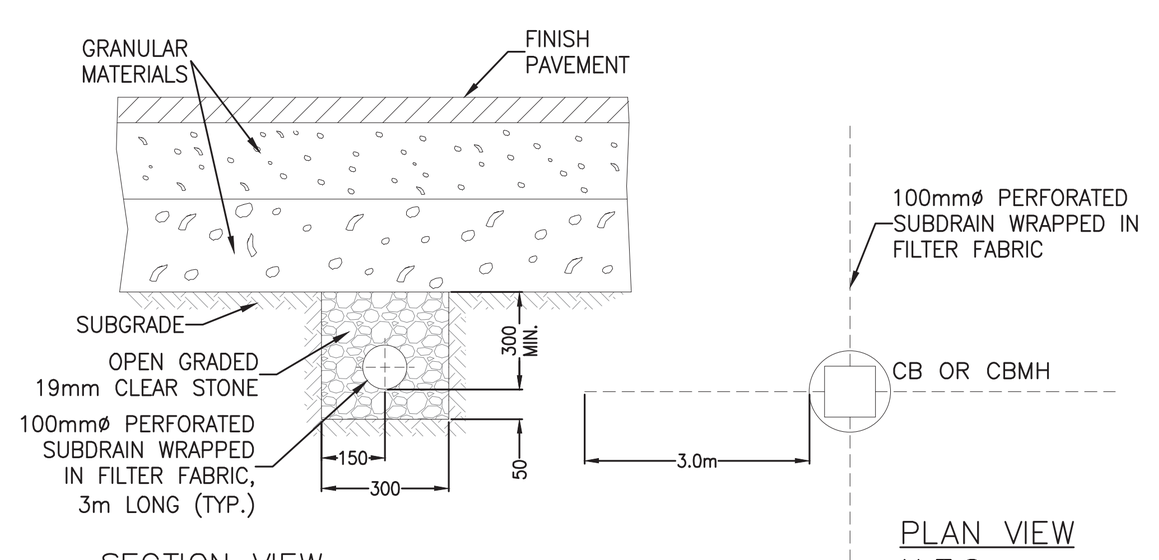
Storm Event	Maximum Roof Release (m^3/s)	Actual Controlled Roof Release (m^3/s)	Available Storage Volume (m^3)	Storage Volume Used (m^3)	Actual Water Depth (mm)
2-year	0.0046	0.0010	58.25	18.00	46.35
5-year	0.0046	0.0020	58.25	24.00	61.80
10-year	0.0046	0.0020	58.25	28.00	72.10
25-year	0.0046	0.0030	58.25	33.00	84.98
50-year	0.0046	0.0030	58.25	37.00	95.28
100-year	0.0046	0.0030	58.25	41.00	105.58

COMPLIANCE TO OBC Cl.7.4.10.4 (2) – FLOW CONTROL ROOF DRAINS
(a) MAXIMUM DRAIN DOWN TIME FROM THE PROPOSED ROOF WILL BE 9.67 hrs AND FROM THE EXISTING ROOF WILL BE 13.33 hrs DURING 100–YEAR RAINFALL EVENT.
(b) PLEASE REFER TO STRUCTURE ENGINEER'S CONFIRMATION REGARDING THE PROPOSED ADDITION ROOF STRUCTURE DESIGN TO CARRY AN ADDITIONAL LOAD OF THE STORED WATER.
(c) OVERFLOW SCUPPERS ARE PROVIDED AT 150mm ABOVE MINIMUM ROOF ELEVATION ON THE PROPOSED ADDITION ROOF WHICH MEASURES MAXIMUM 22m FROM THE ROOF DRAIN. ACTUAL DEPTH OF WATER ON PROPOSED ADDITION ROOF WILL BE 105.58mm DURING 100–YEAR RAINFALL EVENT.
(d) DRAINS ARE LOCATED AT MAXIMUM 15m FROM THE EDGE OF THE ROOF AND AT MAXIMUM 22m FROM THE ADJACENT DRAINS.
(e) 2 DRAINS ARE PROVIDED FOR 847.03 m² AREA OF BUILDING ADDITION ROOF.



TYPICAL SWALE AND SUBDRAIN DETAIL (N.T.S.)

NOTE:
1. SUBDRAIN SHALL BE CONNECTED TO CATCH BASIN AT THE LOCATION WHERE SWALE DISCHARGE.
2. PIPE SHALL BE 100mmø POLYETHYLENE OR C.M.P.(HELCOR OR EQUAL) WRAPPED IN FILTER FABRIC.
3. FILTER FABRIC SHALL BE IN ACCORDANCE WITH THE MUNICIPALITY OF CLARINGTON/TOWN AND ONTARIO PROVINCIAL STANDARD SPECIFICATIONS.

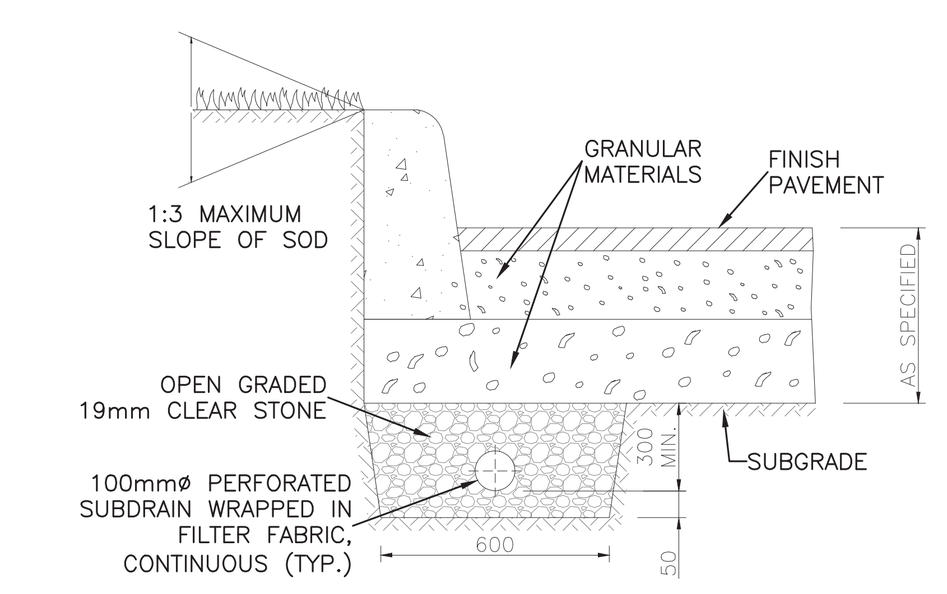


SECTION VIEW
N.T.S.

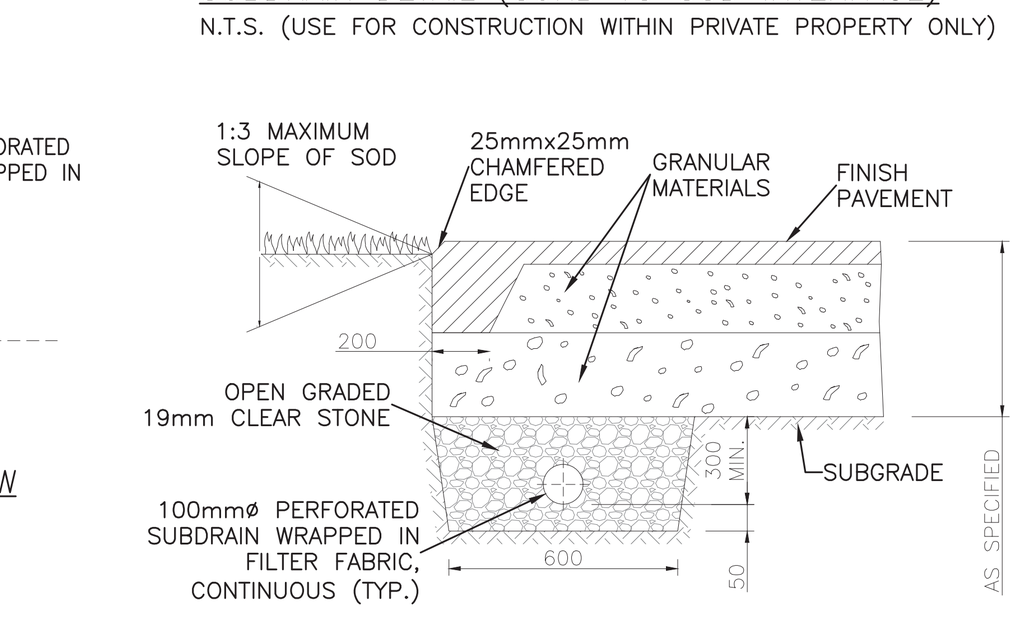
PLAN VIEW
N.T.S.

SUBDRAIN DETAIL (UNDER PAVEMENT)

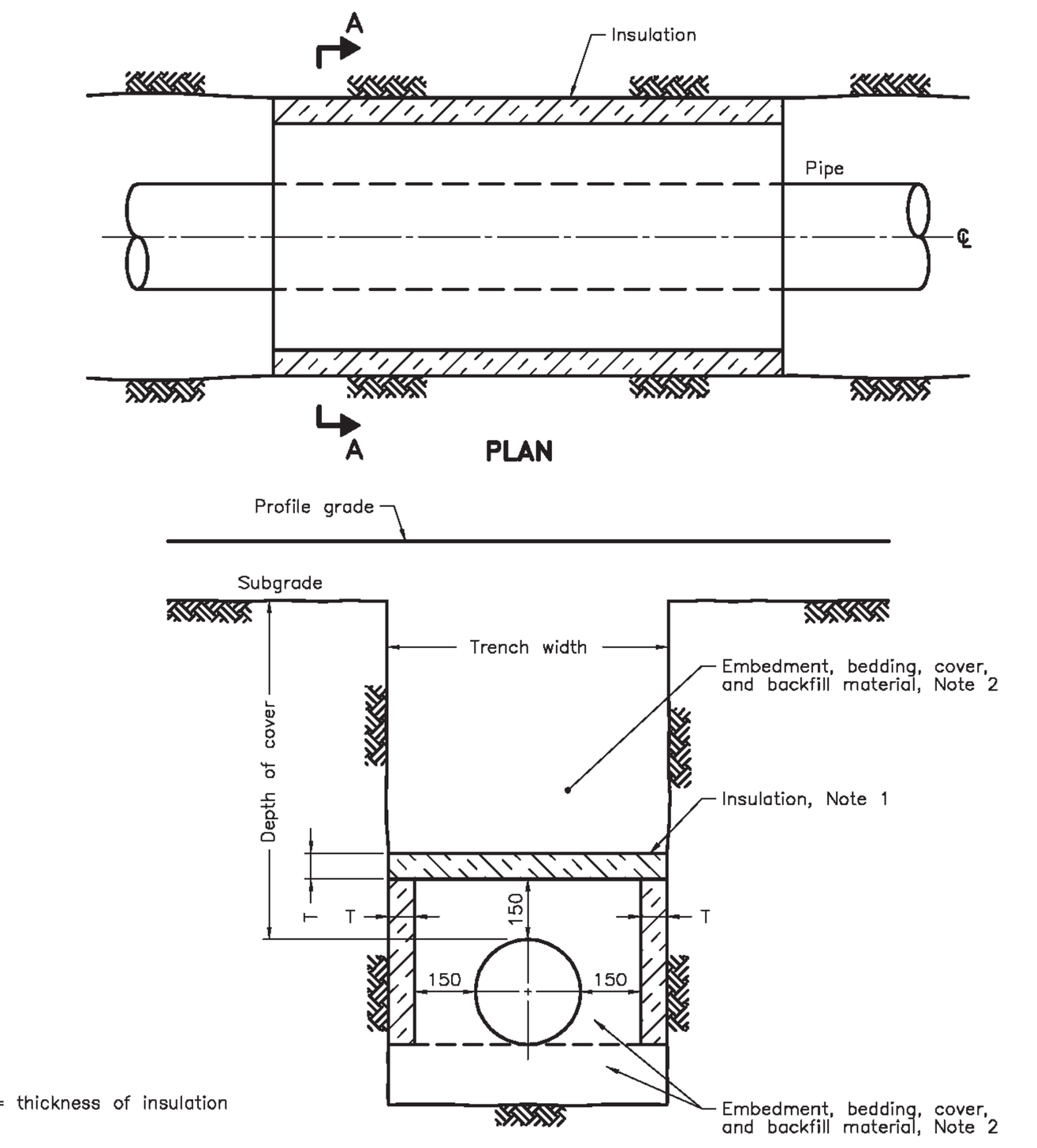
NOTES:
1. ALL SUBDRAIN CONNECTIONS TO BE MADE ON ALL FOUR SIDES OF THE CATCHBASIN AND TO BE MORTARED AT THE INSIDE AND OUTSIDE OF THE CATCHBASIN WALLS. THE SUBDRAIN SHALL BE PLUGGED WITH A MANUFACTURED PLUG AT THE HIGH POINT WHERE THERE IS NO CATCHBASIN.
2. PIPE SHALL BE 100mmø POLYETHYLENE OR C.M.P.(HELCOR OR EQUAL) WRAPPED IN FILTER FABRIC.
3. FILTER FABRIC SHALL BE IN ACCORDANCE WITH THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS.
4. ALL DIMENSIONS ARE IN MILLIMETERS (UNO).



SUBDRAIN DETAIL (CURB TO SOD INTERFACE)
N.T.S. (USE FOR CONSTRUCTION WITHIN PRIVATE PROPERTY ONLY)



SUBDRAIN DETAIL (ASPHALT TO SOD INTERFACE)
N.T.S. (USE FOR CONSTRUCTION WITHIN PRIVATE PROPERTY ONLY)
NOTES
1. PERFORATED SUBDRAINS SHALL BE CONTINUOUS AND SHALL BE CAPPED USING AN EXPANDABLE PLUG ON LOW SIDE OF CATCHBASIN. SUBDRAINS SHALL BE CONNECTED TO CATCHBASIN UNLESS FORCED TO A LOWER ELEVATION BY THE ROAD SUB–BASE DEPTH – IN THAT CASE, SUB–DRAINS TO BE CONNECTED TO STORM MANHOLE, USING 'TEE' FITTINGS.
2. PROVIDE MINIMUM 1.0% SLOPE TO SUBDRAIN.
3. ROOF DRAINAGE SYSTEM SHALL NOT BE CONNECTED TO THE SUBDRAIN SYSTEM.



SECTION A–A
TYPICAL PIPE INSULATION DETAIL

NOTES:
1 The insulation material shall be extruded polystyrene according to OPSS 1605 with a minimum compressive strength of 275 kPa.
2 Pipe embedment or bedding, cover, and backfill shall be according to:
a) Flexible OPSD 802.010, 802.013, 802.020, and 802.023.
b) Rigid – OPSD 802.030, 802.031, 802.032, 802.033, 802.050, 802.051, 802.052, and 802.053.
A Minimum insulation thickness shall be 50mm.
B Joints shall be staggered for multiple insulation sheets.
C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2015 | Rev 0
INSULATION FOR SEWERS AND WATERMAINS IN SHALLOW TRENCHES
OPSD 1109.030

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION
140 Atlantis Drive, Orillia

Architect
snyder
Snyder Architects Inc.
100 Broadview Ave, Suite 301,
Toronto, ON M4M 3H3
tel. 416.966.5444
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Consultants

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Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

Key Plan (N.T.S.)



SURVEY PLAN INFORMATION:
PART OF LOT 5, CONCESSION 2
(GEOGRAPHIC TOWNSHIP OF SOUTH ORILLIA)
TOWNSHIP OF
ORO-MEDONTE / CITY OF ORILLIA
COUNTY OF SIMCOE

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TBM#1 - TOP TURN ARROW OF FIRE HYDRANT, LOCATED APPROXIMATELY 44.1m NORTH WEST OF THE SOUTH EAST CORNER OF LOT 5, CONCESSION 2, HAVING AN ELEVATION OF 284.86m.

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BEEARING NOTE:
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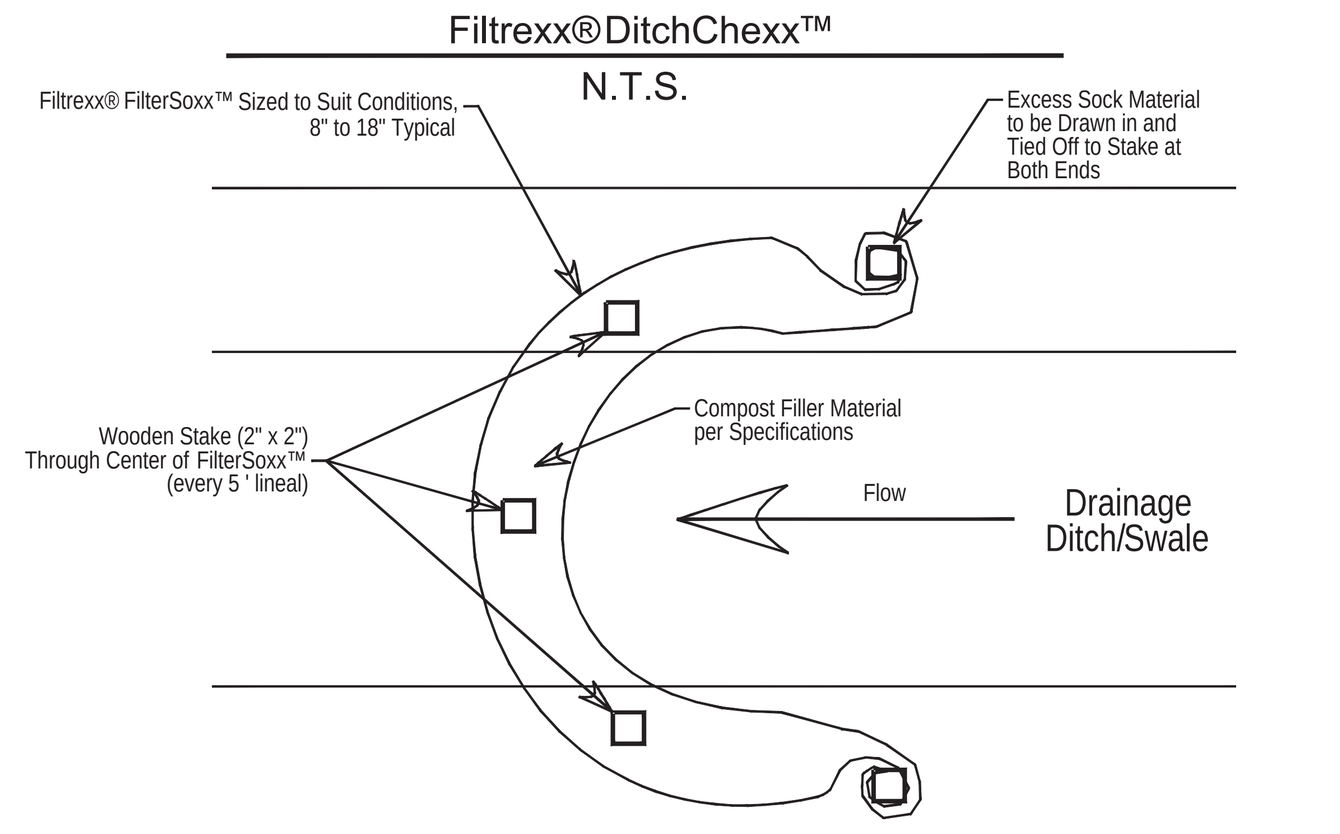
POINT ID	NORTHING	EASTING
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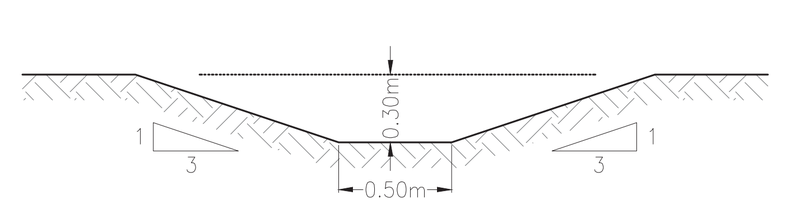
SURVEY INFORMATION NOTE:
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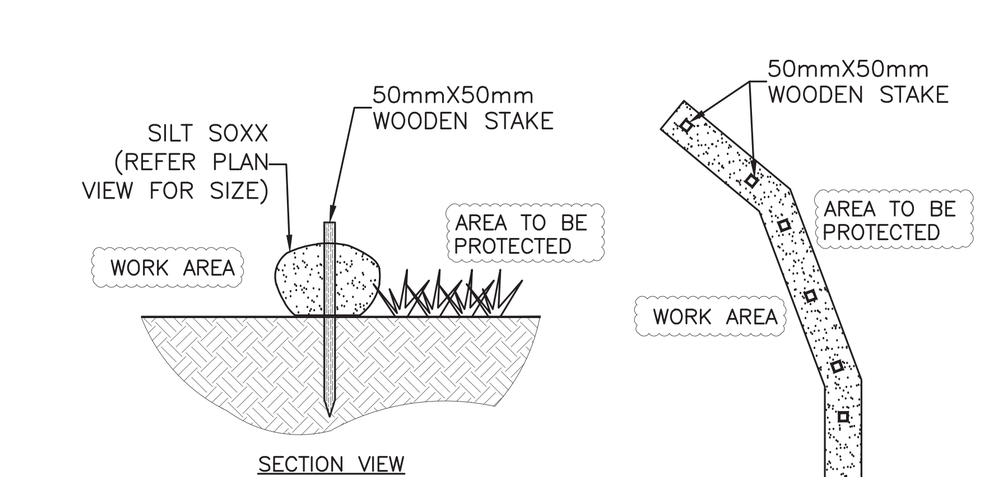
Filtrexx®DitchChexx™
N.T.S.



Notes:
1. All material to meet Filtrexx® specifications .
2. Compost material to be dispersed on site, as determined by Contractor.

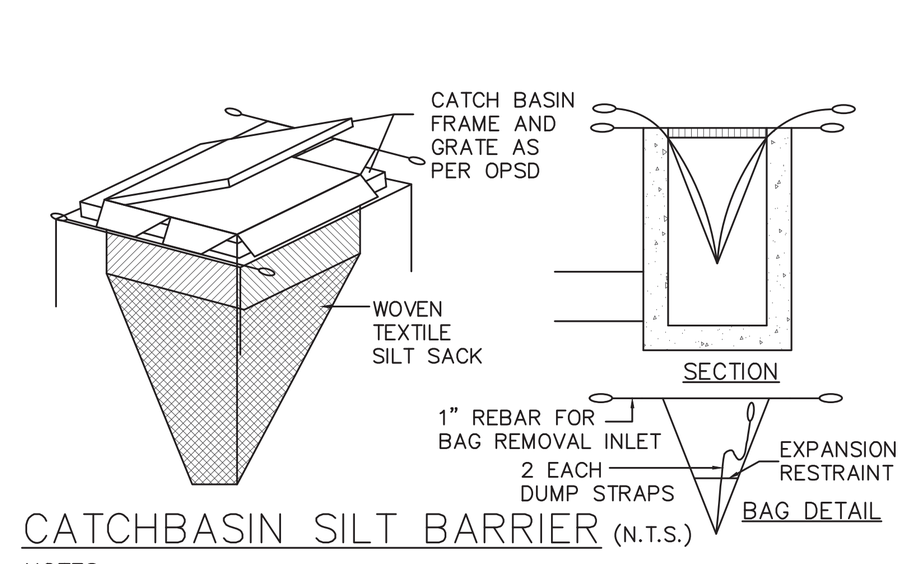


INTERCEPTOR SWALE DETAIL
(NTS)



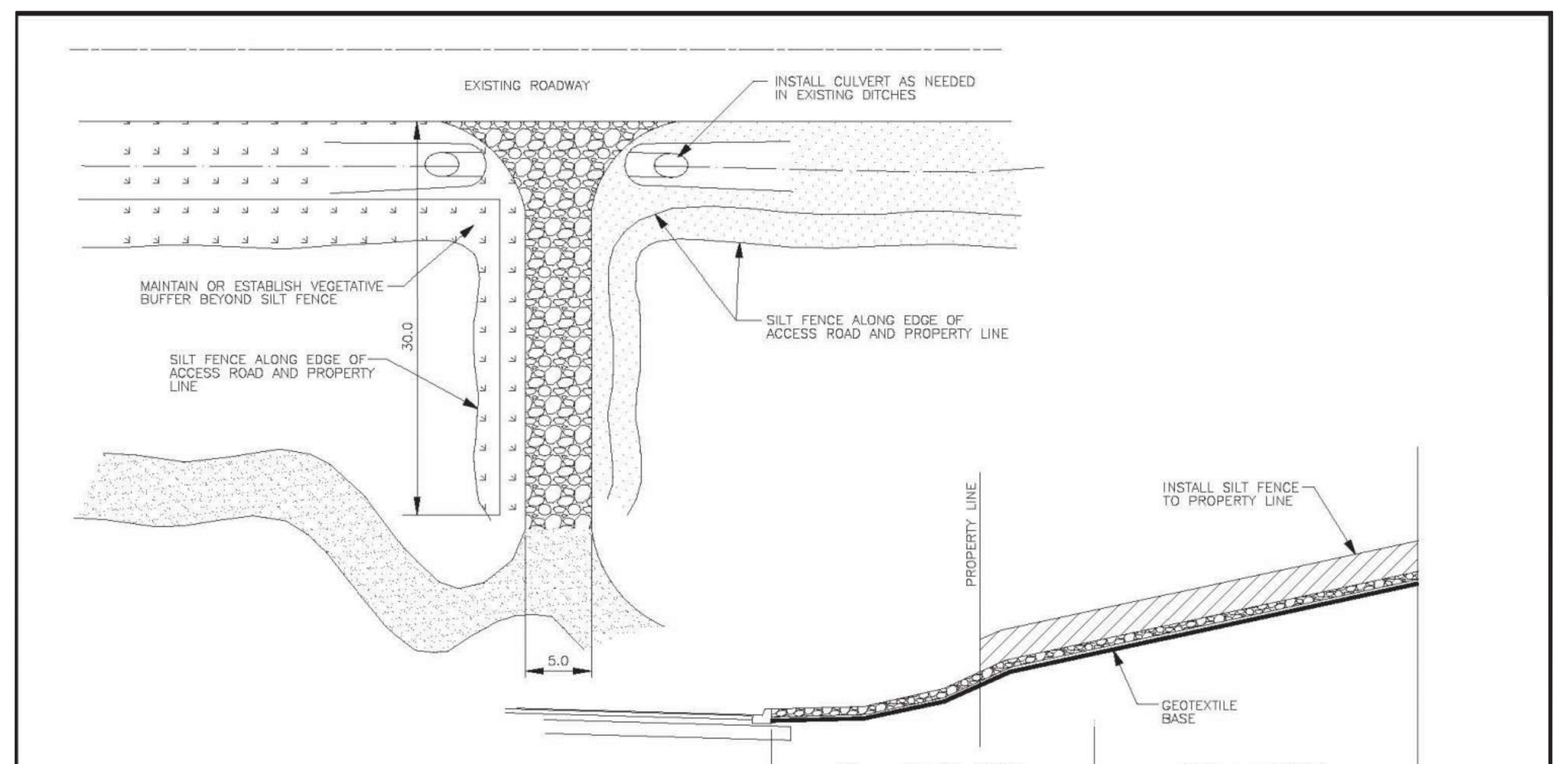
SILTSOXX TYPICAL DETAIL (NTS)
(BY TERRAFIX GEOSYNTHETICS INC.)

NOTES:
1. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. REFER TO NUMBER OF LAYERS AND SIZE SPECIFIED ON PLAN VIEW.
2. COMPOST MATERIAL TO BE DISPOSES OFF SITE BY THE CONTRACTOR.
3. WOODEN STAKES ARE SPACED AT 2.0m FOR 200mm SILTSOXX, 1.20m FOR 300mm SILTSOXX, AND 0.60m FOR 450mm SILTSOXX.
4. SILTSOXX MATERIAL TYPE SHALL BE 300mm COTTON DURASOXX FOR 6–18 MONTHS PROJECT DURATION AND SHALL BE 300mm OR 400mm MULTI–FILAMENT POLYPROPYLENE DURASOXX FOR 2–5 YEAR PROJECT DURATION. REFER PLAN VIEW FOR MATERIAL TYPE AND SIZE.



CATCHBASIN SILT BARRIER (N.T.S.)

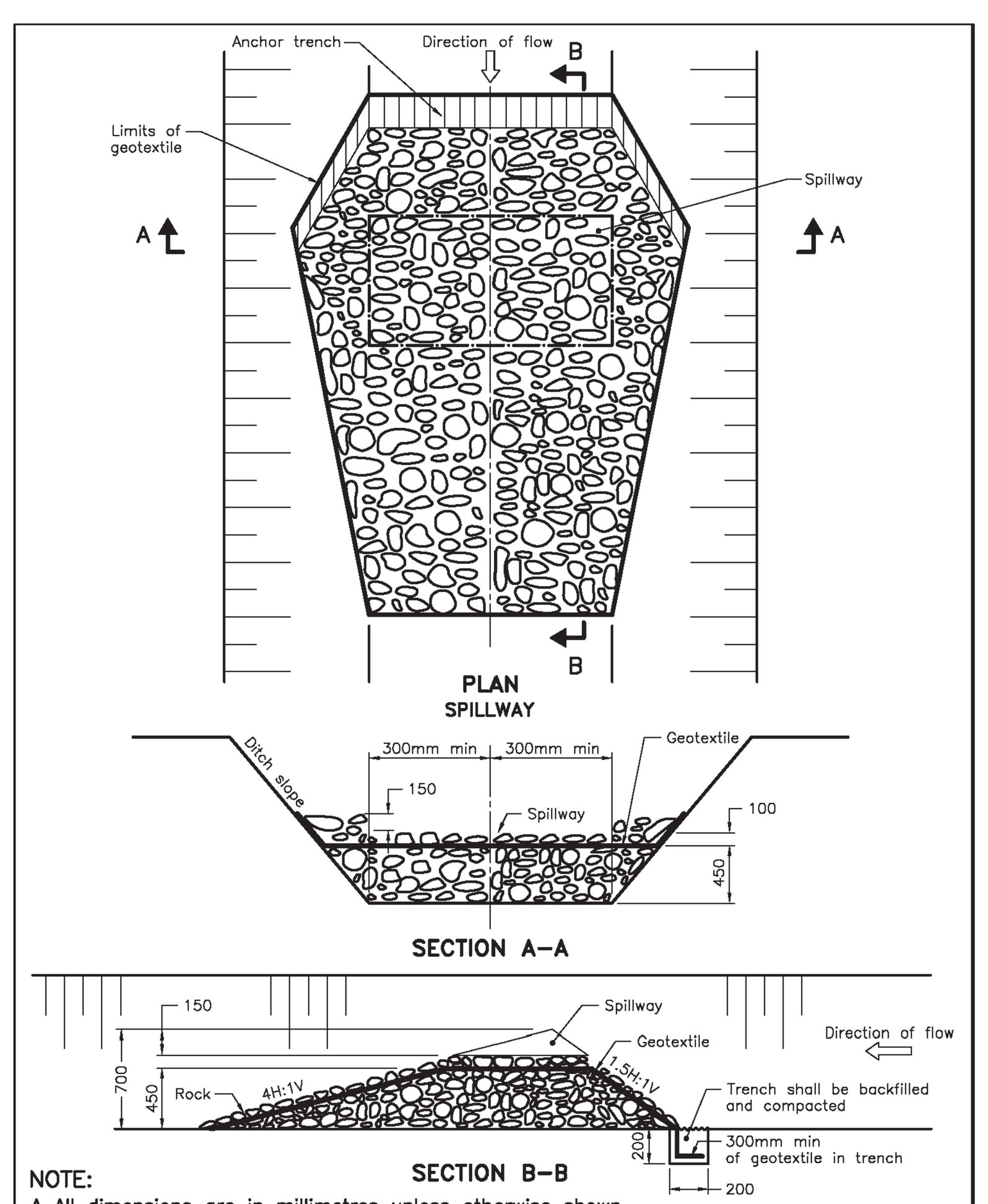
NOTES:
1. SILTATION BARRIERS TO BE INSTALLED AROUND ALL CATCHBASINS AND MANHOLES DURING CONSTRUCTION ON PRIVATE PROPERTY AS WELL AS WITHIN MUNICIPAL BOULEVARD ALONG PROPERTY FRONTAGE.
2. SILT BARRIER TO BE MAINTAINED UNTIL COMPLETION OF SITE WORKS.
3. TO BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL. SILT TO BE REMOVED AND SACK CLEANED IF REQUIRED.



NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
2. PURPOSE OF CONSTRUCTION MAT IS TO MINIMIZE TRANSPORTATION OF SEDIMENT ONTO ROADWAYS.
3. CONSTRUCTION MAT IS TO BE INSTALLED AS THE FIRST STEP IN THE SITE ALTERATION PROCESS.
4. CONSTRUCTION MATS ARE REQUIRED WHERE PAVED ROADS ARE WITHIN 300m OF THE SITE.

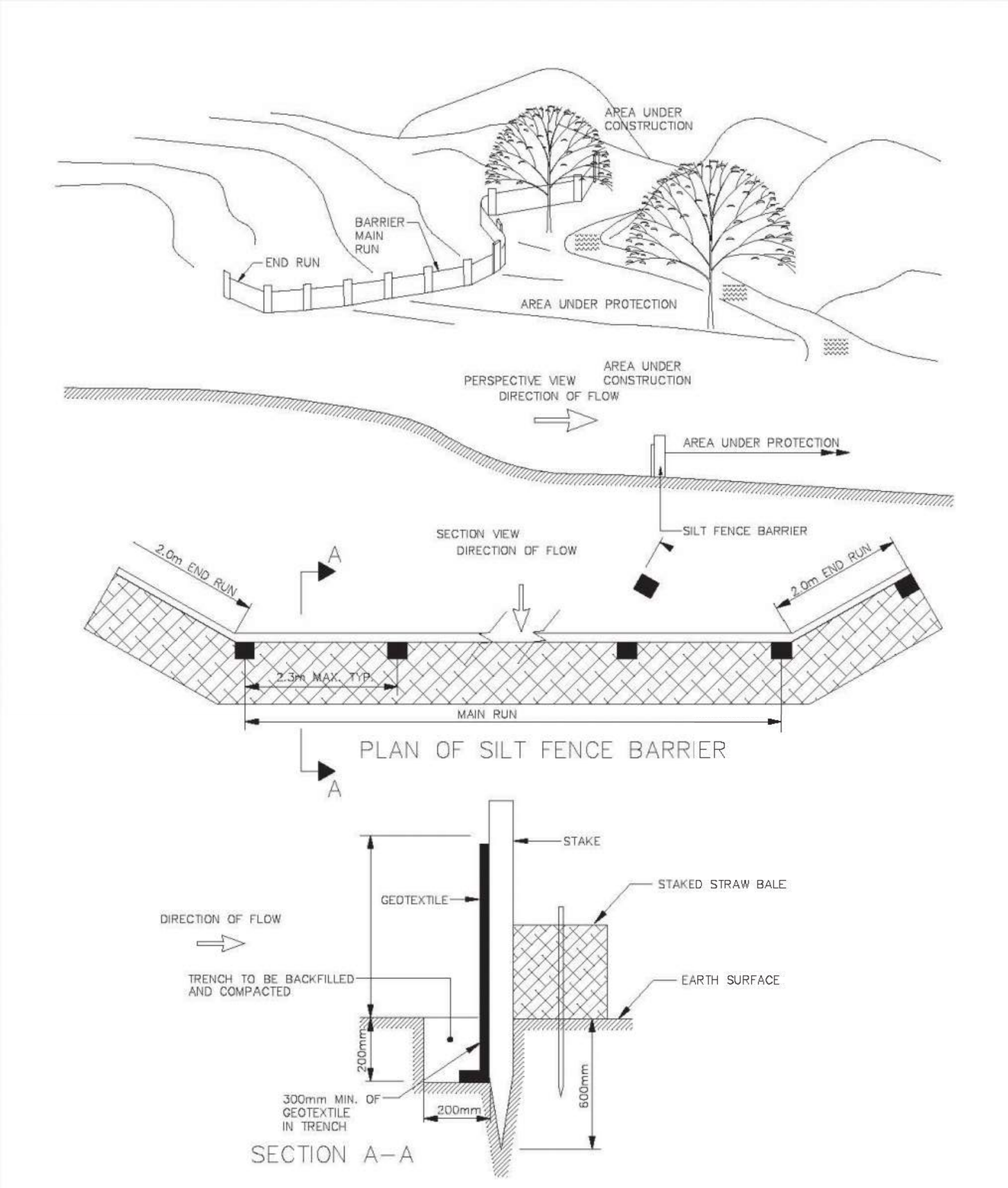
NO.	REVISION	APR'D	DATE

TOWNSHIP OF ORO–MEDONTE | APR'D: | DRAWN: | DATE: 03 / 2016 | SCALE: NTS
CONSTRUCTION ENTRANCE MAT | STD. No. 3.6–04



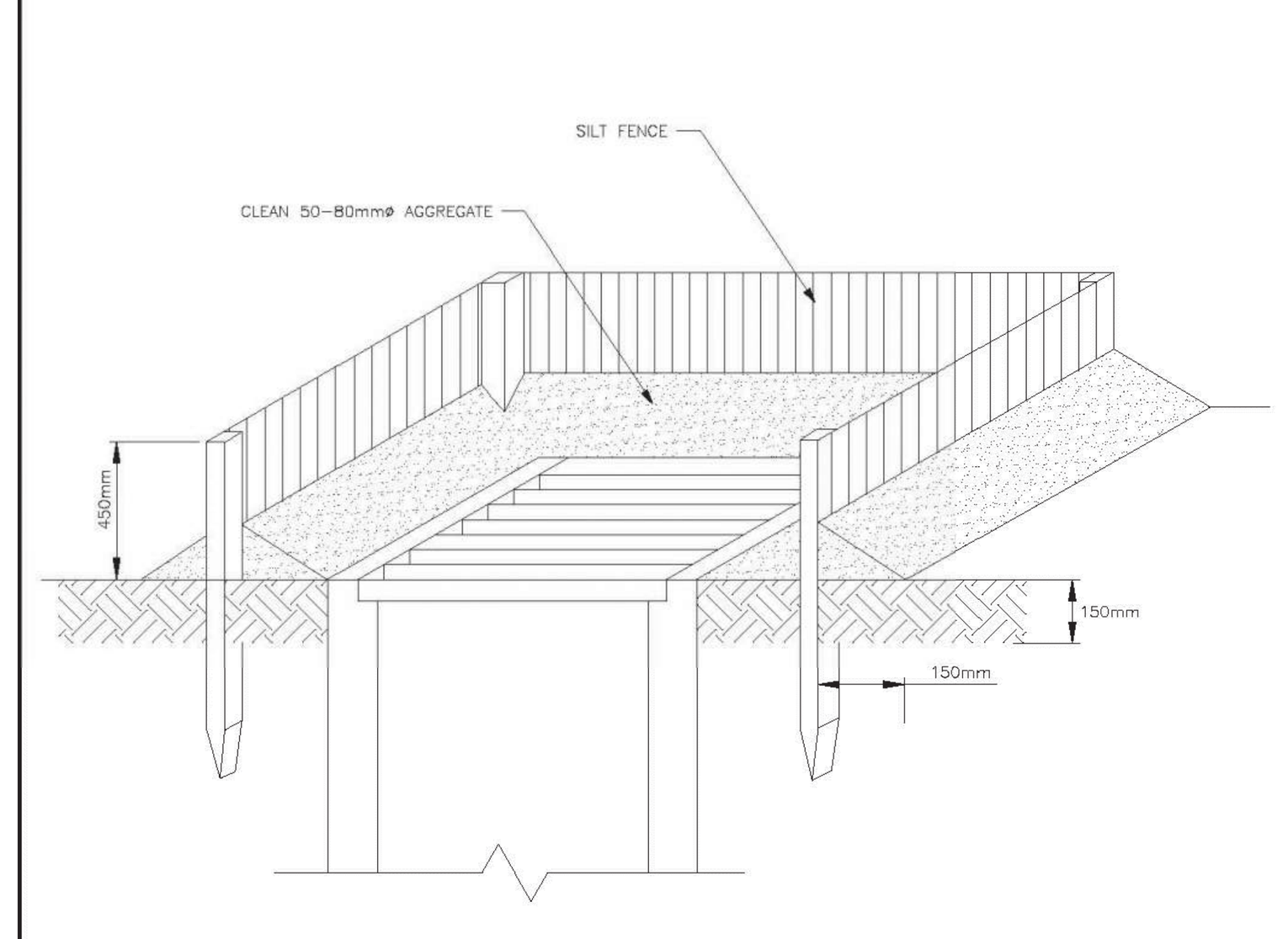
NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2021 | Rev 3
TEMPORARY ROCK FLOW CHECK DAM FLAT BOTTOM DITCH
OPSD 219.211



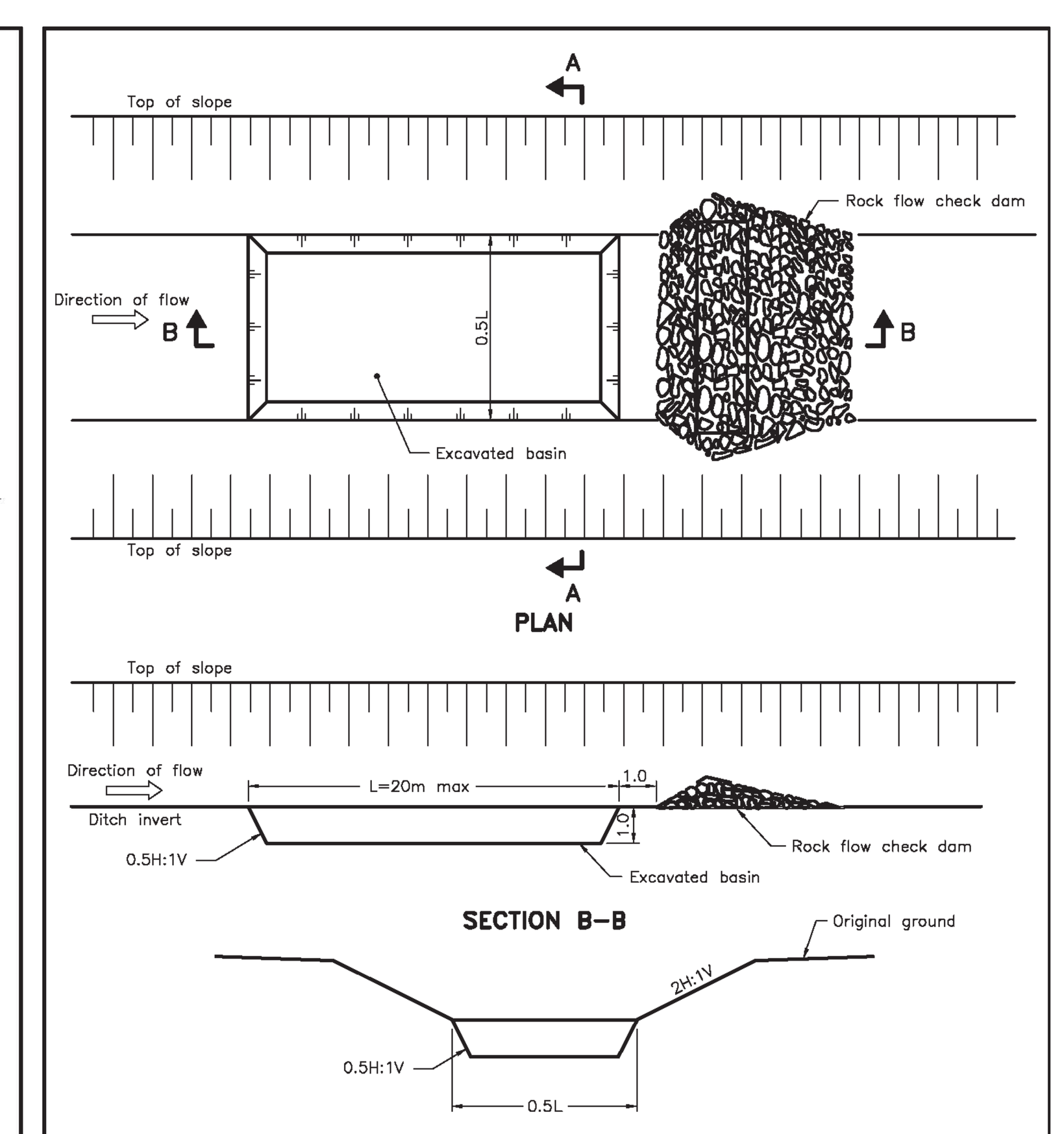
NO.	REVISION	APR'D	DATE

TOWNSHIP OF ORO–MEDONTE | APR'D: | DRAWN: | DATE: 03 / 2016 | SCALE: NTS
LIGHT DUTY SILT FENCE BARRIER | STD. No. 3.6–01



NO.	REVISION	APR'D	DATE

TOWNSHIP OF ORO–MEDONTE | APR'D: | DRAWN: | DATE: 03 / 2016 | SCALE: NTS
SEDIMENT CONTROL MEASURE AT CATCHBASINS AND CATCHBASIN MANHOLES | STD. No. 3.6–03



NOTES:
A Ditch cross–section upstream or downstream of sediment trap may be flat bottom or V–shaped. Flat bottom shown.
B This OPSD shall be read in conjuction with OPSD 219.210 or 219.211.
C All dimensions are in metres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2015 | Rev 2
SEDIMENT TRAP IN DITCH
OPSD 219.220



Project North | True North

No.	Revisions	Date

No.	Issue	Date
8	ISSUED FOR TENDER	NOV 12, 2026
7	ISSUED FOR PRE-TENDER	OCT 26, 2026
6	ISSUED FOR TENDER	MAY 28, 2026
5	ISSUED FOR PE-TENDER	MAY 22, 2026
4	ISSUED FOR PERMIT	APR 24, 2026
3	ISSUED FOR SPA RE-SUBMISSION	MAR 23, 2026
2	ISSUED FOR 80% PROGRESS SET	FEB 10, 2026
1	ISSUED FOR SPA SUBMISSION	NOV 14, 2025

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

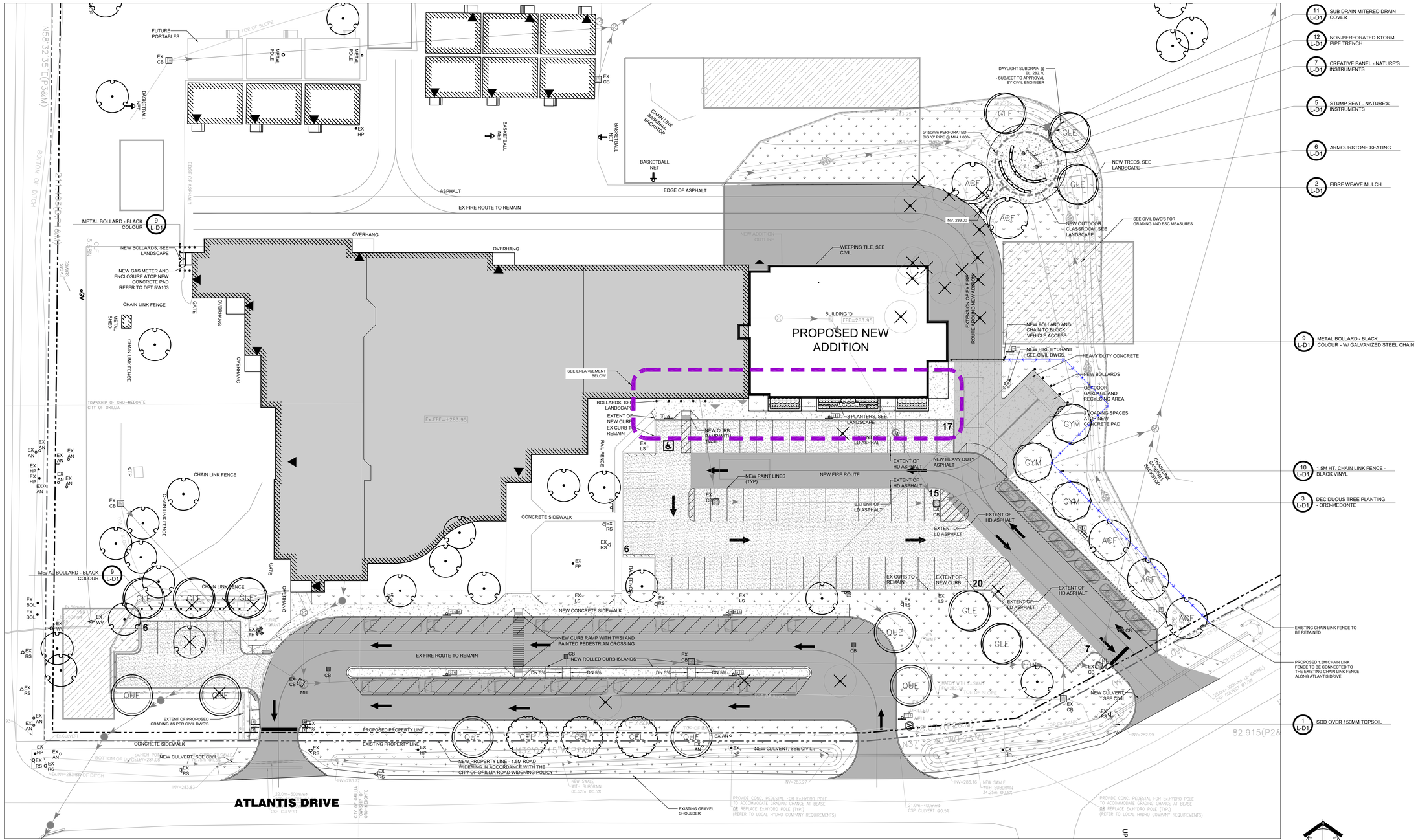
LICENSED PROFESSIONAL ENGINEER
C.C. PATEL
100136451
Nov 12, 2026
Proj#25498
PROVINCE OF ONTARIO

Drawing Title:
SITE SERVICING NOTES & DETAILS
(File No.: 2024-PCA-29 & 2025-SPA-10)

Scale: As Noted	Date: As Noted
Drawn by: AT	Checked by: CP
Job No. 2502	Drawing No. SS-2

Plot Date: Nov 13, 2026 FD Job # 25498

Plot Style Table: FD_SS-SG.CTB
File Path: D:\FLORA_Designs\PROJECT_Work\025498_Snyder_Notre Dame CES_Orillia\06-WORKING\DWG

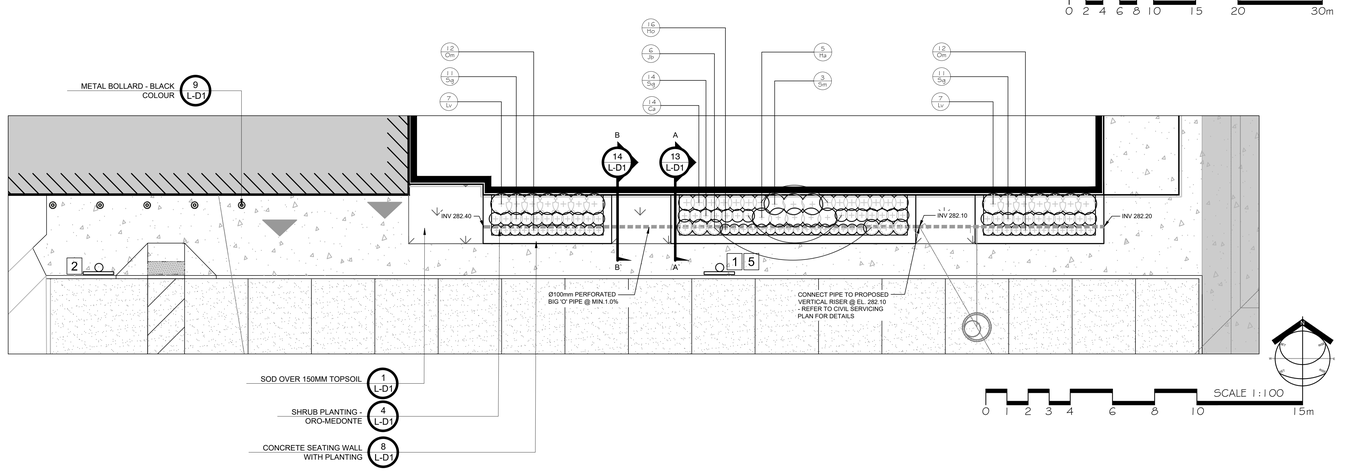


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
Site Furnishings			
	Chalk Board	1	7/L-D1
	Seating Stump	2	5/L-D1
	Metal Bollard	28	9/L-D1
32 EXTERIOR IMPROVEMENTS			
	Ø150mm Perforated Big 'O' Pipe with Filter Sock	42.1 m	2/L-D1
	Ø150mm Solid PVC Pipe	4.0 m	12/L-D1
	Ø100mm Perforated Big 'O' Pipe with Filter Sock	29.4 m	
Athletic and Recreational Surfacing			
	Fiberweave Mulch	28.4 m²	2/L-D1
Fences and Gates			
	Chain Link Fence - 1.5m Ht. Black Vinyl	79.0 m	10/L-D1
Structures			
	Armour Stone Seating - Single Lift	16	6/L-D1
Turf & Grasses			
	Sod over 150mm Topsoil	4,426 m²	1/L-D1
	Existing Tree to Remain		
	Existing Tree to be Removed		
	Existing Chain Link Fence to be Retained		

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT	REMARKS
TREES						
ACF	5	Acer x freemanii	Freeman Maple	70mm Cal.	W.B.	DT/N/ST
CEL	3	Celtis occidentalis	Common Hackberry	70mm Cal.	W.B.	DT/N/ST
GLE	8	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey Locust	70mm Cal.	W.B.	DT/N/ST
GYM	3	Gymnocladus dioicus	Kentucky Coffeetree	70mm Cal.	W.B.	DT/N/ST
QUE	6	Quercus velutina	Black Oak	70mm Cal.	W.B.	DT/N
SHRUBS						
Ca	14	Calamagrostis arundinacea 'Karl Foerster'	Foerster's Feather Grass	1gal	Potted	
Ho	16	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylilly	1gal	Potted	DT
Ha	5	Hosta x 'Blue Angel'	Blue Angel Hosta	50cm Ht.	Potted	
Jb	6	Juniperus horizontalis 'Bar Harbor'	Bar Harbor Creeping Juniper	30cm Ht.	Potted	DT/N
Lv	14	Ligustrum vicary	Golden Privet	50cm Ht.	Potted	DT
Om	24	Ophiopogon planiscapus	Mondo Grass	1gal	Potted	
Sg	36	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	50cm Ht.	Potted	DT/N
Sm	3	Syringa meyeri 'Palibin'	Dwarf Korean Lilac	50cm Ht.	Potted	DT



11 L-D1 SUB DRAIN MITERED DRAIN COVER
12 L-D1 NON-PERFORATED STORM PIPE TRENCH
7 L-D1 CREATIVE PANEL - NATURE'S INSTRUMENTS
5 L-D1 STUMP SEAT - NATURE'S INSTRUMENTS
6 L-D1 ARMOURSTONE SEATING
2 L-D1 FIBRE WEAVE MULCH
9 L-D1 METAL BOLLARD - BLACK COLOUR - W/ GALVANIZED STEEL CHAIN
10 L-D1 1.5M HT. CHAIN LINK FENCE - BLACK VINYL
3 L-D1 DECIDUOUS TREE PLANTING - ORO-MEDONTE
1 L-D1 SOD OVER 150MM TOPSOIL

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

NOTRE DAME CATHOLIC SCHOOL ADDITION
140 Atlantis Drive, Orillia, ON

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100 Broadview Ave, Suite 201, Toronto, ON M4M 3H3
tel 416.960.3444
www.snyderarchitects.ca

Consultants

Mechanical and Electrical Consultants
RDZ Engineering Ltd
30 Pennsylvania Avenue, Unit 17A
Vaughan, Ontario, L4K 4A5
Tel: 416-317-8804

Structural Consultants
LEA Consulting Ltd.
625 Cochrane Drive, 5th Floor
Markham, Ontario, L3R 9R9
Tel: 905-470-0015

Civil Consultant
Flora Designs Inc.
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Mississauga, Ontario, L4W 3X1
Tel: 647-496-8055

Landscape Consultant
HKLA Landscape
230 Westney Rd S, Ste 308
Ajax, Ontario L1S 7J5
Tel: 905-839-5599

Key Plan N.T.S.

Project North | True North

No.	Revisions	Date
7	Issued for Tender	2026-11-12
6	Issued for Tender	2026-05-28
5	Issued for Pre-Tender	2026-05-22
4	Issued for Permit	2026-04-24
3	Site Plan Approval Resubmission	2026-03-23
2	Issued for 80% Progress Set	2026-02-10
1	Issued for First Submission	2025-11-14

General Contractor shall check and verify all dimensions and report errors and omissions to the Architect prior to commencement. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
LANDSCAPE PLAN

Scale: AS SHOWN	Date: October 2025
Drawn by: JC	Checked by: KF
Job No. 2502	Drawing No. L-L1

CAD File:

Simcoe Muskoka Catholic District School Board
46 Alliance Blvd., Barrie, ON

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Architect
Snyder Architects Inc.
100 Broadview Ave, Suite 301,
Toronto, ON M4M 3H3
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www.snyderarchitects.ca

Consultants

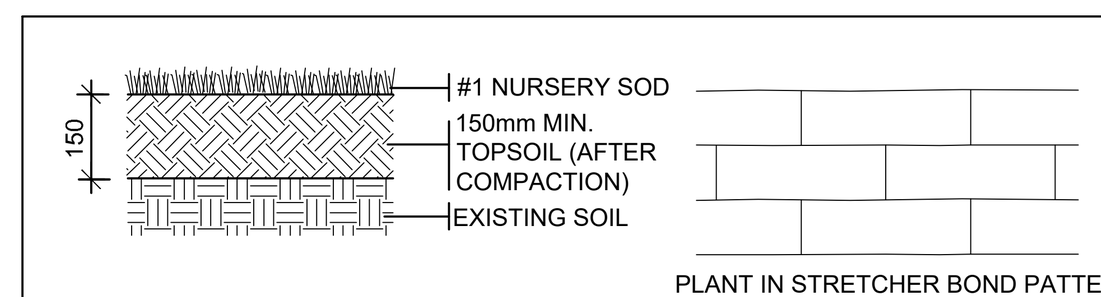
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Key Plan N.T.S.



SOD: SOD SHALL BE CERTIFIED No.1 CULTIVATED SOD AS SCHEDULED, GROWN AND SOLD IN ACCORDANCE WITH CLASSIFICATION OF THE NURSERY SOD GROWERS' ASSOCIATION OF ONTARIO. IT MUST BE FIBROUS AND WELL ROOTED; FREE FROM STONES, MATTED OR DEAD GRASS AND PERENNIAL WEEDS AND SHALL HAVE BEEN SUBJECT TO REGULAR MOWING AND TREATMENT WITH SELECTIVE WEED KILLER AND INSECTICIDES DURING THE PREVIOUS GROWING SEASON. THE SOD MUST BE ROLLED IN SUCH A MANNER AS TO PREVENT TEARING DURING HANDLING. THE SOD MUST BE TRANSPORTED AND LAID WITHIN FOUR (4) DAYS OF LIFTING AND SHALL BE PROTECTED DURING TRANSPORTATION TO PREVENT DRYING OUT. DRIED OUT UNHEALTHY SOD WILL NOT BE ACCEPTED ON SITE. SHOULD THERE BE AN UNAVOIDABLE DELAY IN INSTALLATION THE SOD MUST BE KEPT COOL AND MOIST UNTIL IT IS LAID.

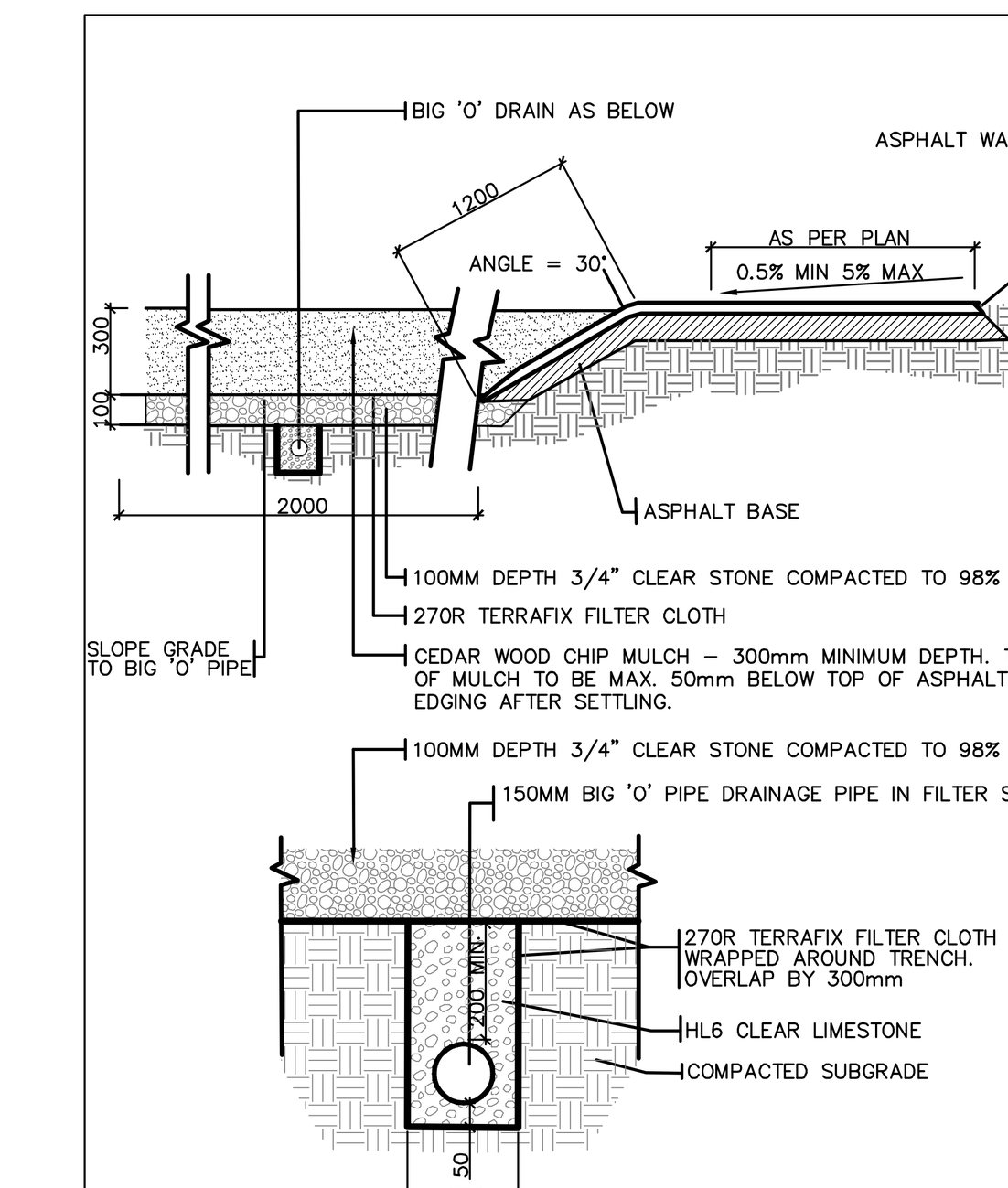
FERTILIZER: SPREAD PRE-SODDING FERTILIZER (10:10:10) AT THE RATE OF 75 GRAMS PER SQ.M. AT LEAST ONE (1) WEEK BEFORE THE SOD IS LAID USING AN APPROVED BROAD CAST DISTRIBUTOR; WORKING IT INTO THE TOP 75mm OF SOIL BY CROSS-HARROWING OR RAKING.

LAYING SOD: THE SURFACE OF THE SOIL MUST BE RAKED LEVEL OR TO FORM EVEN-FLOWING CONTOURS, AND WELL FIRMED BUT LEAVING A FINE LOOSE TEXTURE BEFORE THE SOD IS LAID. THE SOD SHALL BE LAID IN ROWS COMMENCING AT A POINT CLOSE SOIL ACCESS SO THAT WORK PROCEEDS OVER THE SOD ALREADY LAID USING ADEQUATE TIMBER PLANKS TO SUPPORT WORKMEN AND WHEELBARROWS. SOD SHALL BE LAID IN STRETCHER BOND PATTERN (AS IN BRICK WALLS) WITH BROKEN CROSS JOINTS. THEY SHALL BE CLOSELY BUTTED TOGETHER LEAVING NO GAP AFTER THE SOD IS PROPERLY PLACED THE SOD IS TO BE ROLLED TO INSURE GOOD CONTACT BETWEEN SOD AND UNDERLYING SOIL. ROLLING IS TO BE PERPENDICULAR TO THE DIRECTION IN WHICH THE SOD WAS LAID. ANY IRREGULARITIES SHALL BE ADJUSTED BY LIFTING AND RAKING OUT OR INFILLING WITH FINE SOIL. EDGES WILL ALWAYS BE LAID WITH WHOLE TURFS. THE FINISHED LEVEL OF THE TURF SHALL CONFORM TO THE LEVELS SHOWN ON THE DRAWINGS AND SHALL BE 25mm ABOVE PREVIOUS SOIL LEVEL ADJOINING EXISTING TREES OR SHRUBS. SOD MUST NOT BE LAID DURING SNOW OR FROSTY WEATHER OR ON EXCEPTIONALLY DRY OR WATERLOGGED GROUND. IMMEDIATELY AFTER INSTALLATION, THE CONTRACTOR MUST WATER THE SOD AND UPPER 150mm OF SOIL.

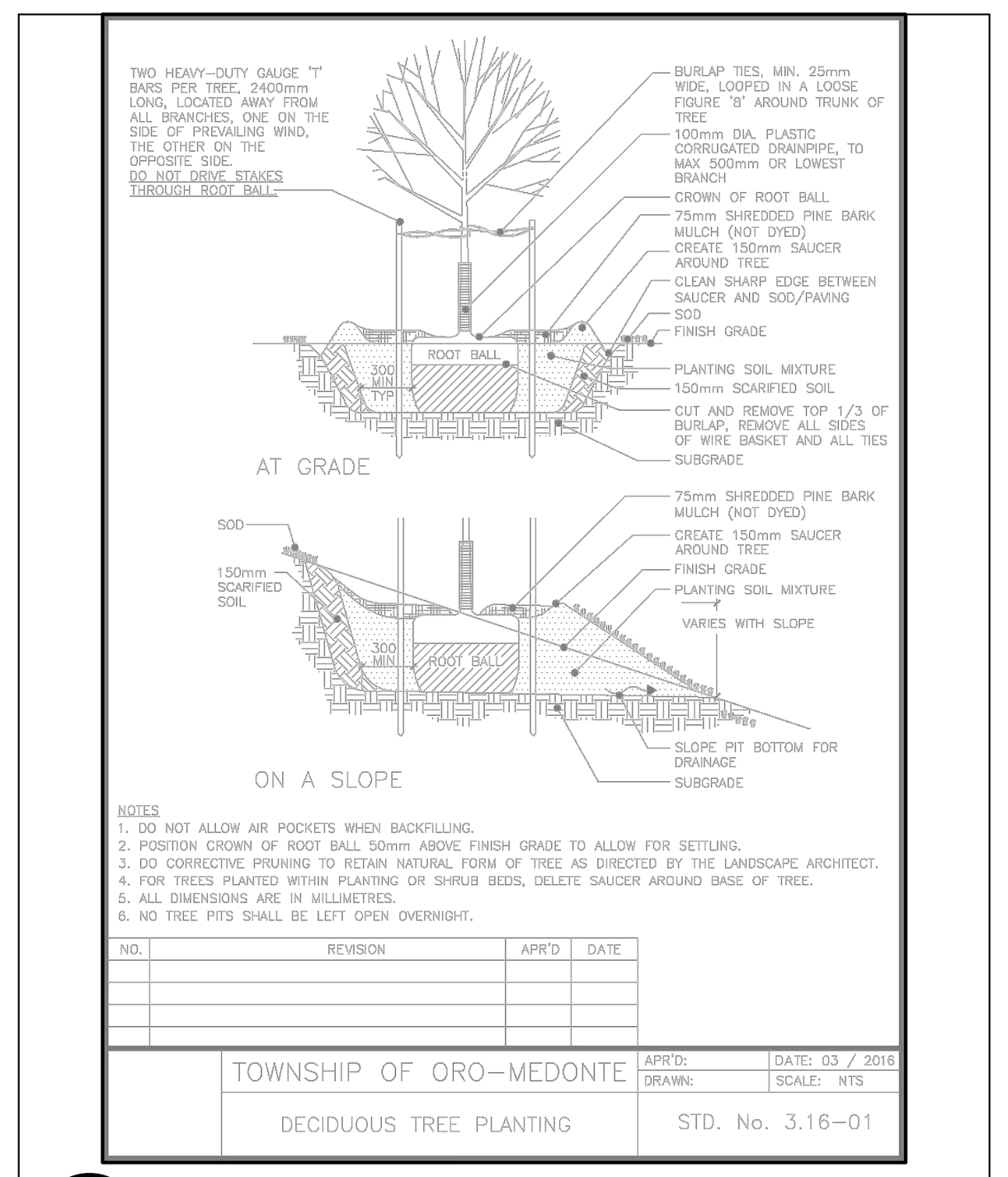
MOWING AND TRIMMING: DURING THE GROWING SEASON THE GRASS WILL BE CUT WITH AN APPROVED MACHINE AT REGULAR INTERVALS TO ENSURE THAT THE GRASS DOES NOT EXCEED 50mm HIGH. THE EDGES OF THE SODDED AREAS SHALL BE NEATLY TRIMMED BY HAND CLIPPING AT THE TIME OF EACH MOWING. HEAVY GRASS MOWINGS MUST BE REMOVED OR SPREAD ABOUT EVENLY IMMEDIATELY AFTER TRIMMING AND MOWING.

HANDOVER: AREAS WILL NOT BE ACCEPTED FOR HANDOVER ON THE SPECIFIED DATES IF FOR ANY OF THE FOLLOWING REASONS THE WORK IS NOT UP TO STANDARD: (A) IF THE SWARD HAS FAILED TO ESTABLISH ITSELF TO THE SATISFACTION OF THE OWNER; (B) IF THE GRASS IS DAMAGED BY FAILURE TO CARRY OUT MAINTENANCE OPTIONS; (C) IF PARTS OF GRASS ARE ONLY HALF-COMPLETED; (D) IF SINKAGE BELOW FINISHED LEVEL HAS OCCURRED; (E) THE GRASS AREAS AND SITE HAVE NOT BEEN CLEARED OF STONE, WEEDS AND OTHER RUBBISH; (F) IF RESODDED PATCHES HAVE NOT BECOME ESTABLISHED. THE CONTRACTOR IS TO CONTINUE TO MAINTENANCE OF THE GRASS UNTIL ACCEPTANCE AND IS RESPONSIBLE FOR A MINIMUM OF THREE (3) CUTS.

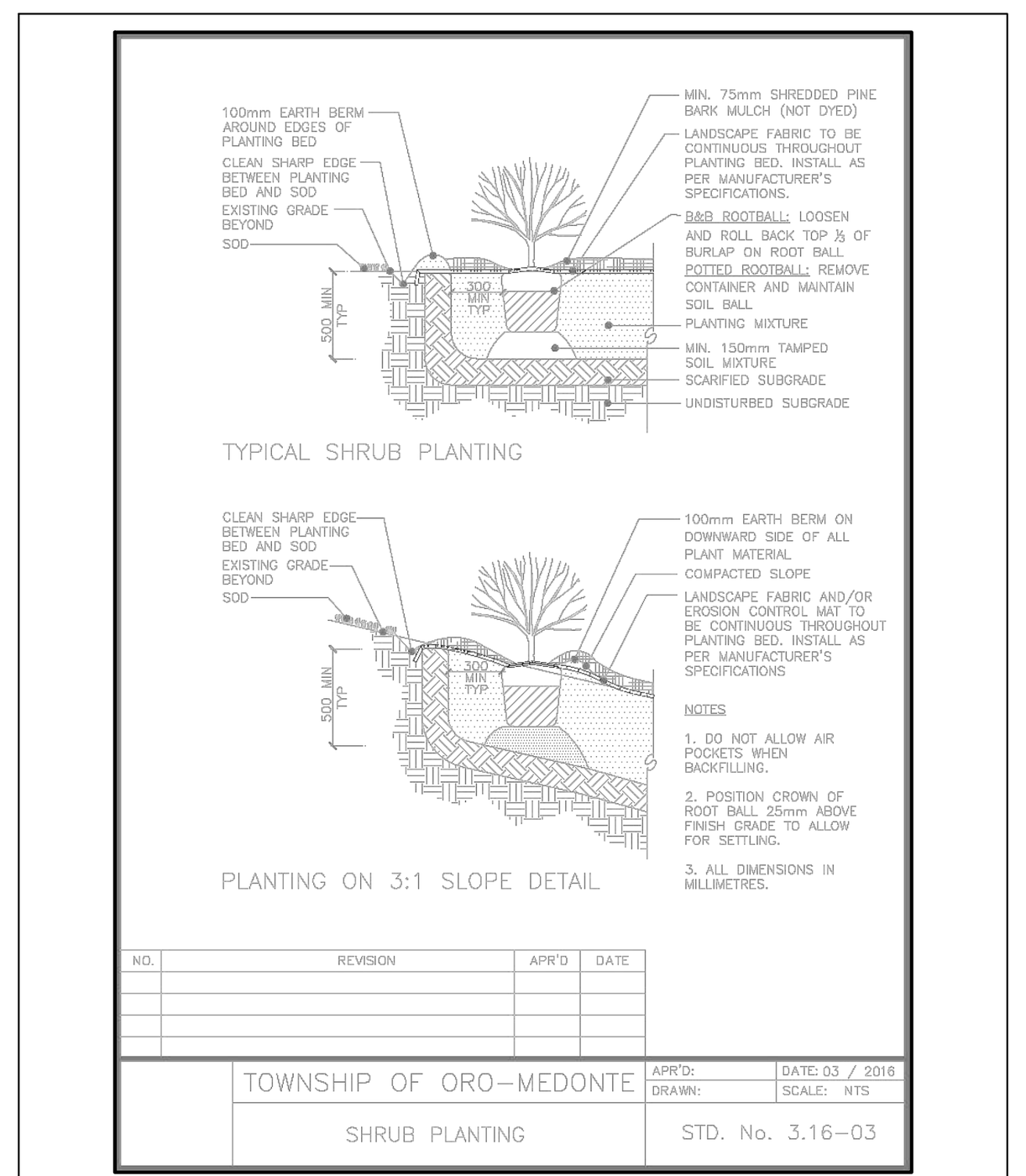
1 SOD OVER 150MM TOPSOIL
N.T.S. 329223-01



2 FIBRE WEAVE MULCH
N.T.S. 321819.13-49



3 DECIDUOUS TREE PLANTING - ORO-MEDONTE
NTS 329301.56-01



4 SHRUB PLANTING - ORO-MEDONTE
NTS 329301.56-02

NOTES: CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW

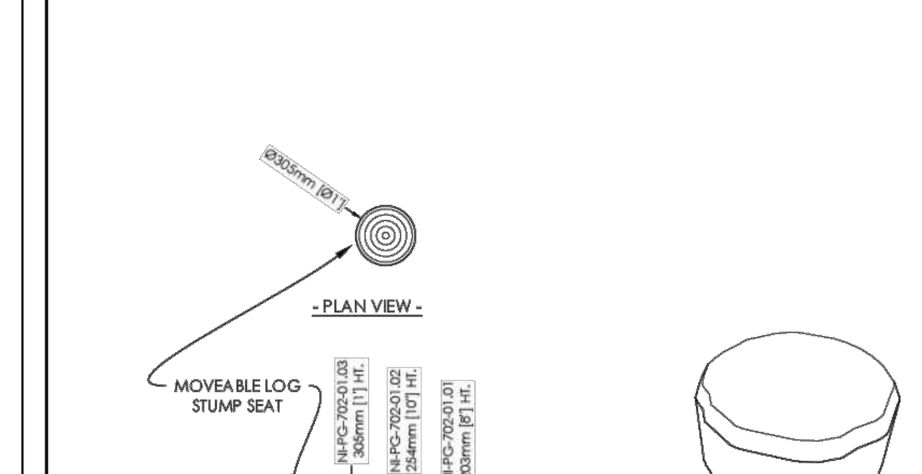
COMPONENTS

NATURES INSTRUMENTS NI-PG-702-01 STUMP SEAT 12" DIA. PACKAGE INCLUDES:

1 @ HARDWOOD LOG STUMP SEAT

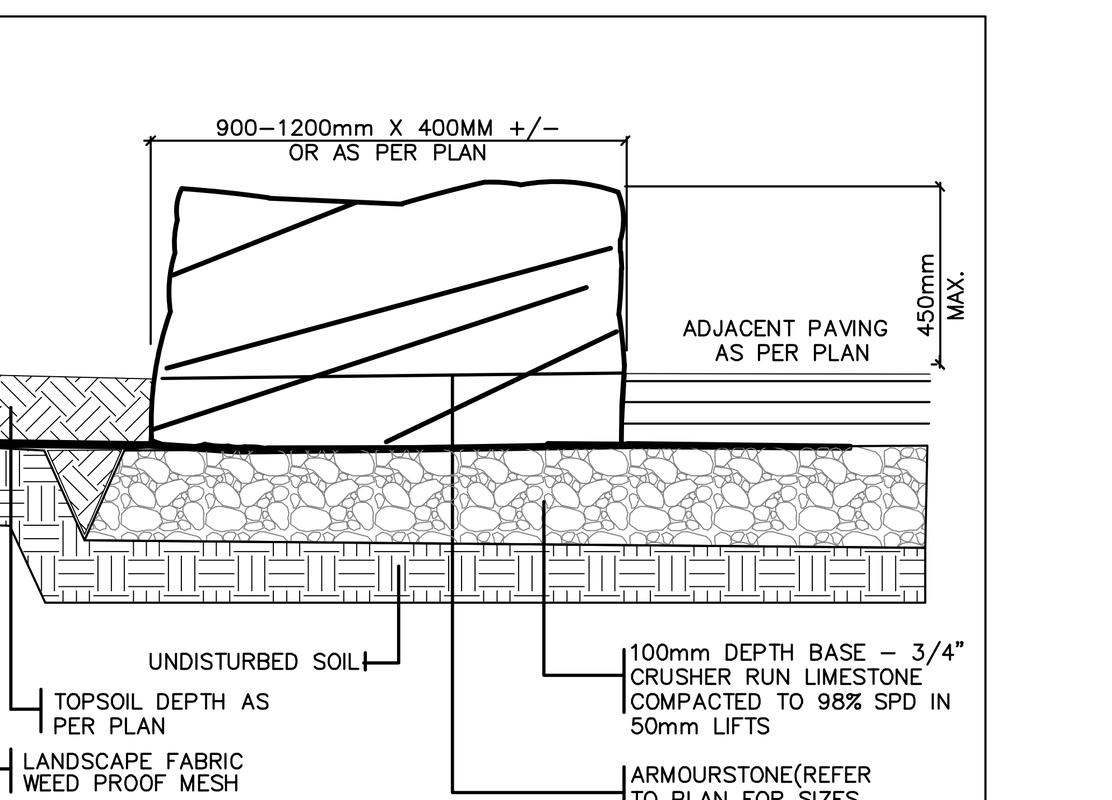
NOTES

1. NATURE'S INSTRUMENTS STUMP SEATS ARE AVAILABLE IN A NUMBER OF HEIGHTS SUITABLE FOR DIFFERENT AGE-GROUPS, UPON ORDERING, PLEASE SPECIFY THE PRODUCT YOU REQUIRE:
   1.a. NI-PG-702-01.01 = 203mm [8"] HT. TO BE USED BY TODDLER-AGED CHILDREN.
   1.b. NI-PG-702-01.02 = 254mm [10"] HT. TO BE USED BY PRESCHOOL-AGED CHILDREN.
   1.c. NI-PG-702-01.03 = 305mm [12"] HT. TO BE USED KINDERGARTEN-AGED CHILDREN.
2. PLACE THE STUMP SEAT ON A FIRM, STABLE SURFACE.
3. STUMP SEAT IS MOVEABLE.
4. STUMP SEAT IS TO BE USED AS SEATING.
5. FOLLOW ADJACENT SURFACING INSTALLATION DETAILS. RESTORE ADJACENT SURFACING TO PRE-CONSTRUCTION CONDITION IF SPECIFIED TO REMAIN UNDISTURBED.



INSTALL — STUMP SEAT 12" DIA. — PRODUCT NUMBER: NI-PG-702-01 — SCALE (METRIC): 1:25 — PAGE 1 OF 1 — 1-877-733-7456

5 STUMP SEAT - NATURE'S INSTRUMENTS
NTS P-PP-2025.020-13



NOTES:
1. ALL DIMENSIONS IN MILLIMETERS. DO NOT SCALE DRAWING.
2. SPECIFIED DEPTHS OF MULCH AND TOPSOIL ARE DEPTHS AFTER SETTLEMENT. SPECIFIED DEPTH OF GRANULAR BASE IS COMPACTED DEPTH.
3. ALL ARMOUR STONE BOULDERS TO BE SIZES INDICATED.
4. ENSURE THAT ALL BOULDERS ARE STABLE AND FREE FROM ALL MOVEMENT AFTER INSTALLATION IS COMPLETE.
5. PRIOR TO PROJECT COMPLETION ENSURE THAT ALL SHARP CORNERS AND EDGES ON EXPOSED SIDES OF STONES ARE ELIMINATED (ROUNDED) BY GRINDING OR OTHER SIMILAR MEANS TO SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR APPROVAL AUTHORITY.
6. GAPS BETWEEN ARMOUR STONES ARE TO BE MINIMIZED TO REDUCE DANGER OF ENTANGLEMENT AND ENTRAPMENT, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR APPROVAL AUTHORITY GAPS ARE EITHER TO BE LESS THAN 25MM OR GREATER THAN 2000.8. ENSURE MINIMUM 2000 DISTANCE BETWEEN ALL BOULDERS AND TREE TRUNKS AND/OR TREE CAGES.
7. ENSURE THAT ALL ARMOUR STONE BOULDERS ARE INSTALLED WITH SEATING SURFACE LEVEL.
8. INSTALLATION OF BOULDERS TO BE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR APPROVAL AUTHORITY.

6 ARMOURSTONE SEATING WITH LANDSCAPE FABRIC
N.T.S. 322110-37

NOTES: CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW

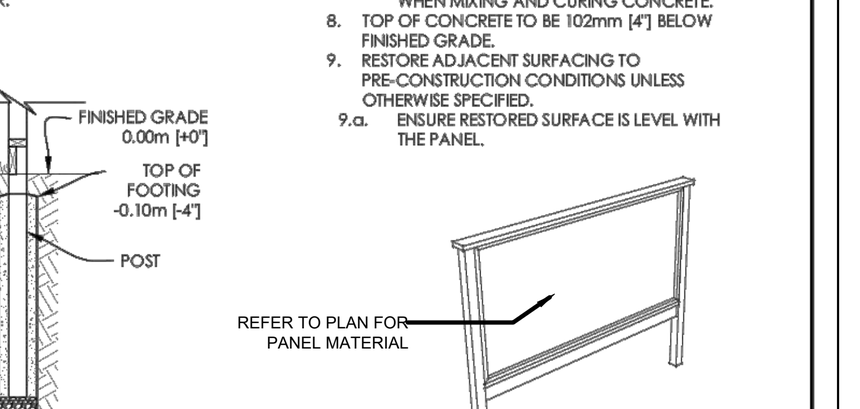
COMPONENTS

NATURES INSTRUMENTS NI-PG-30X-01 CREATIVE PANEL PACKAGE INCLUDES THE FOLLOWING:

2 @ 89 x 89mm [4"x4"] CEDAR POST
1 @ PRE-ASSEMBLED CREATIVE PANEL CHALK, MIRROR, ART, OR, ACRYLIC
1 @ PRE-ASSEMBLED CEDAR BASE-'L'
1 @ 38 x 140mm [2"x6"] CEDAR CAP
36 @ 64mm [2½"] BROWN DECK SCREWS

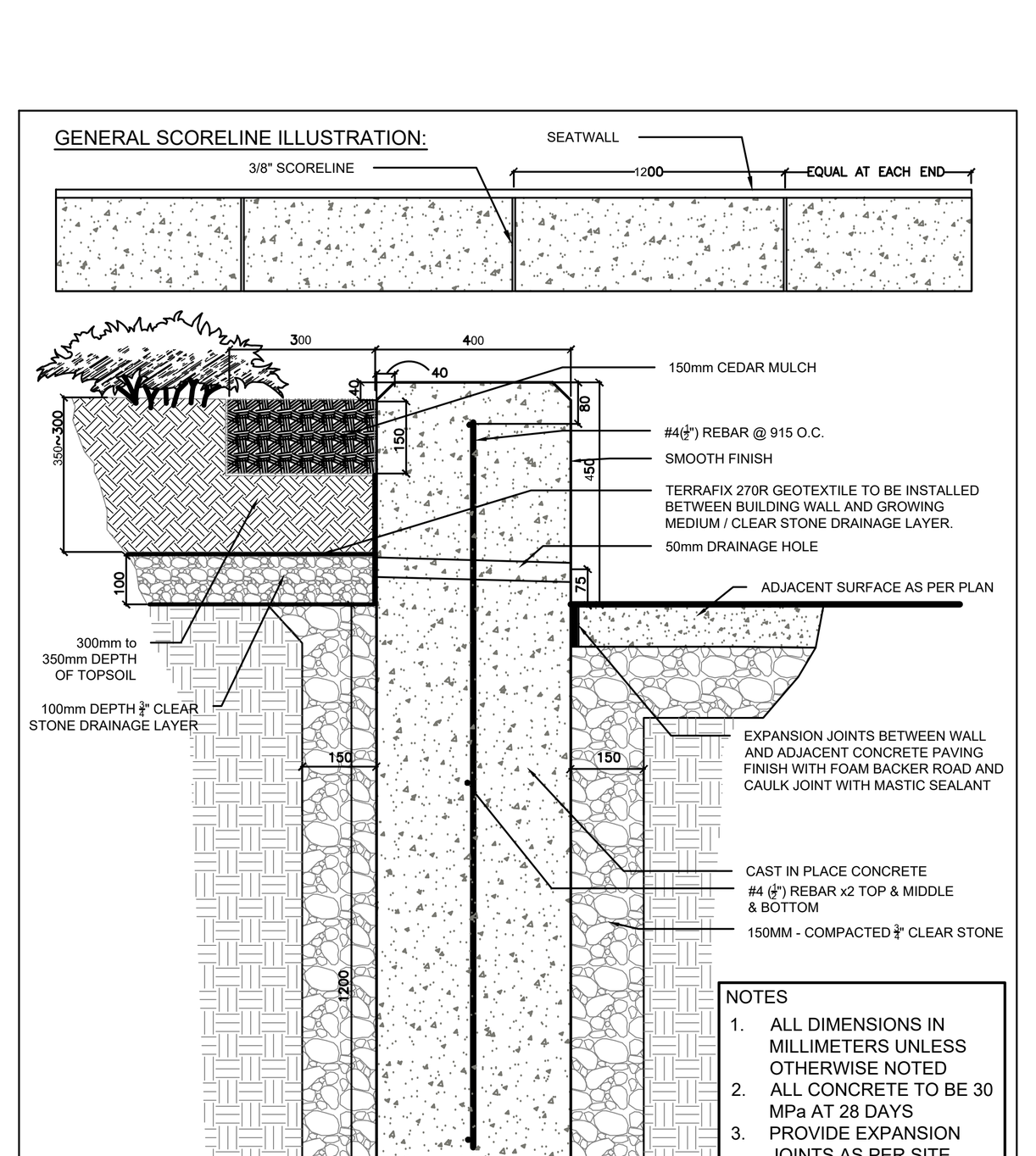
NOTES

1. SECURE CREATIVE PANEL TO THE POST THROUGH PRE-DRILLED HOLES USING SUPPLIED SCREWS.
   1.a. ENSURE POSTS ARE FLUSH WITH TOP OF THE PANEL.
2. FASTEN BASE-'L' TO THE BOTTOM OF THE PANEL THROUGH PRE-DRILLED HOLES USING SUPPLIED SCREWS.
3. FASTEN CAP TO THE TOP OF THE PANEL THROUGH PRE-DRILLED HOLES USING SUPPLIED SCREWS.
   3.a. ENSURE THE CAP IS EVENLY CENTERED ON ALL SIDES.
   3.b. IF THE INSTALLATION OF THE COMPONENT IS AGAINST A WALL, OR FENCE OFFSET THE CAP TO BE FLUSH AGAINST THE BACK EDGE OF THE PANEL.
4. FOOTING HOLES TO BE NO LESS THAN 203mm [8"] IN DIAMETER.
5. DEPTH OF CONCRETE FOOTING MUST BE NO LESS THAN 914mm [36"], 1220mm [48"] IS RECOMMENDED.
   5.a. BOTTOM OF HOLE TO BE FILLED WITH MIN. 152mm [6"] CLEAR DRAINING GRAVEL.
   5.a. ENSURE THE DEPTH OF FOOTING CONFORM TO LOCAL CODE FROST LINE.
   5.b. SONOTUBES CAN BE USED IF MATERIAL BELOW GRADE IS LOOSE.
6. PLACE THE ASSEMBLED CREATIVE PANEL INTO THE FOOTING HOLES, ENSURE THE BOTTOM OF THE BASE-'L' IS FLUSH WITH THE FINISHED GRADE.
   6.a. ENSURE PANEL IS LEVEL AND PLUMB PRIOR TO CONCRETE.
7. FILL FOOTING HOLES WITH POST-MIX CONCRETE
   7.a. FOLLOW MANUFACTURES SPECIFICATION WHEN MIXING AND CURING CONCRETE.
8. TOP OF CONCRETE TO BE 102mm [4"] BELOW FINISHED GRADE.
9. RESTORE ADJACENT SURFACING TO PRE-CONSTRUCTION CONDITIONS UNLESS OTHERWISE SPECIFIED.
   9.a. ENSURE RESTORED SURFACE IS LEVEL WITH THE PANEL.



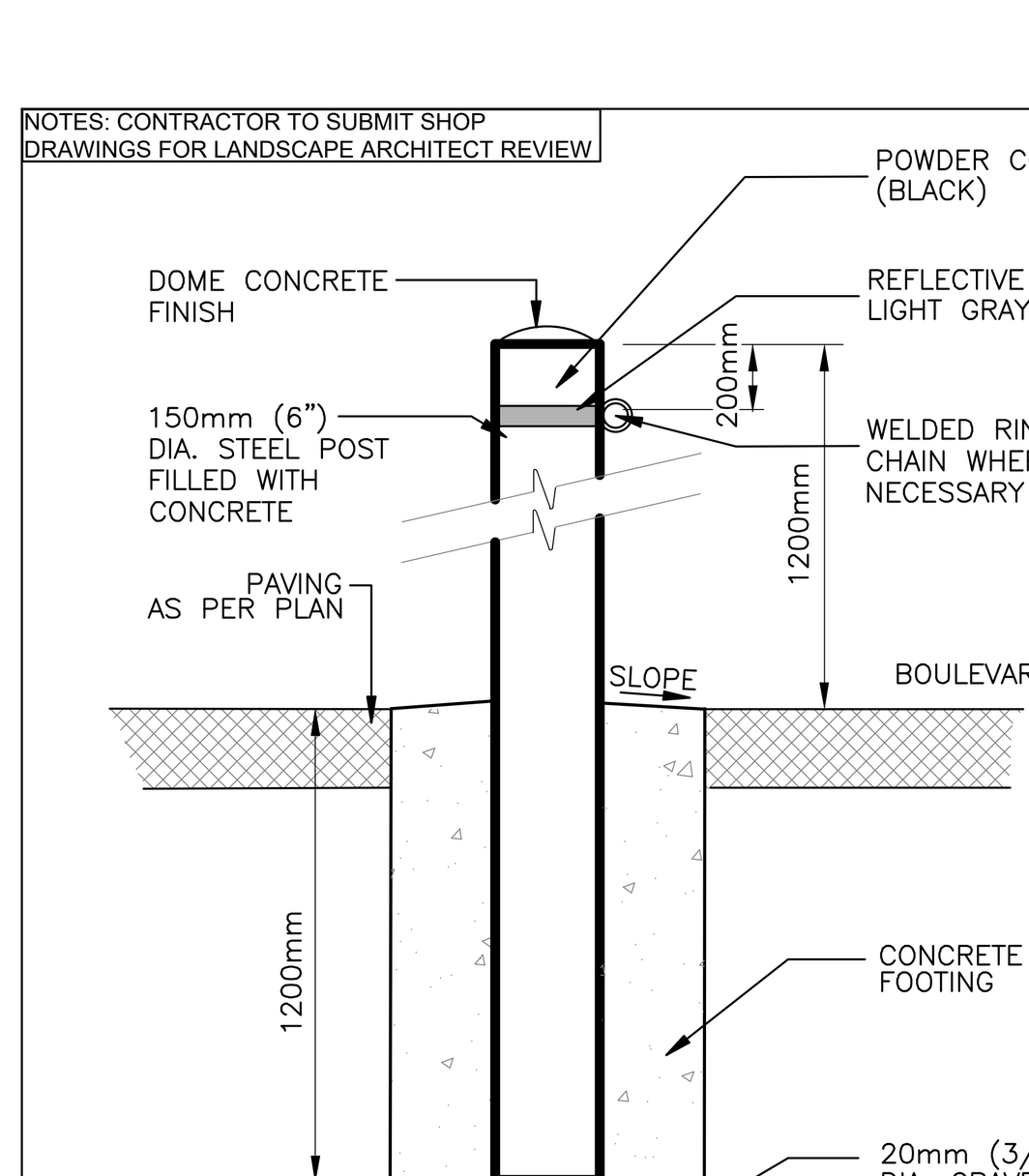
INSTALL — CREATIVE PANELS - POST MOUNTED — PRODUCT NUMBER: NI-PG-30X-01 — SCALE (METRIC): 1:25 — PAGE 1 OF 2 — 1-877-733-7456

7 CREATIVE PANEL (CHALK OR ACRYLIC) - NATURE'S INSTRUMENTS
N.T.S. P-PP-2025.020-01

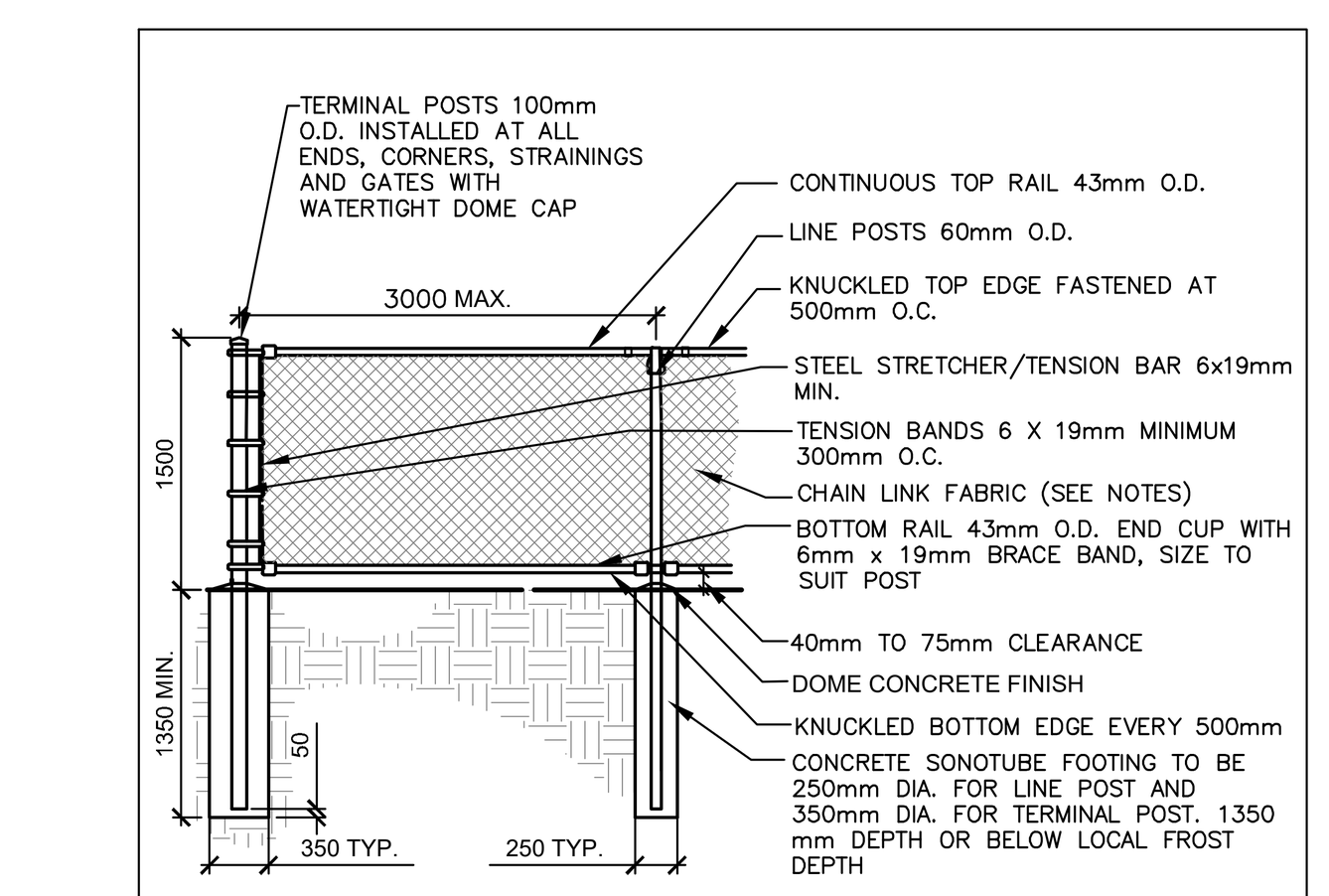


8 CONCRETE SEATING WALL WITH PLANTING
N.T.S. 322011.10-34

NOTES: CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW

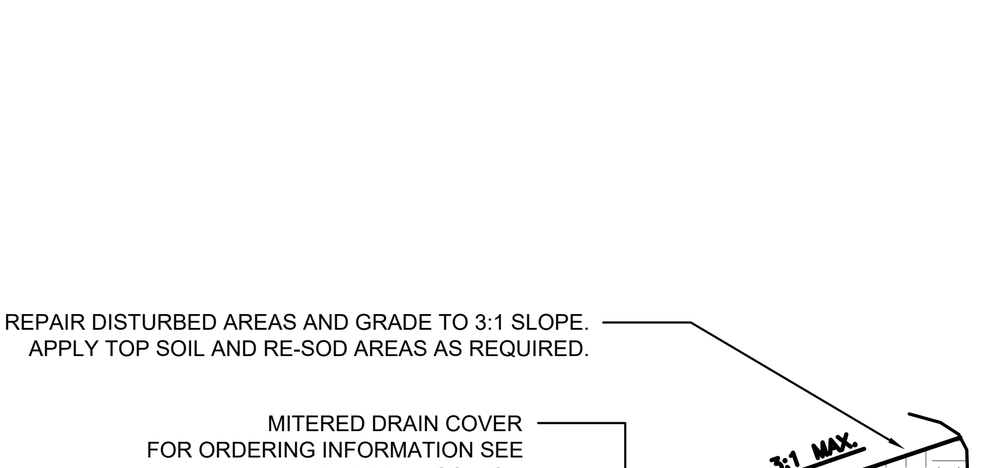


9 METAL BOLLARD - BLACK COLOUR
N.T.S. 321716-61



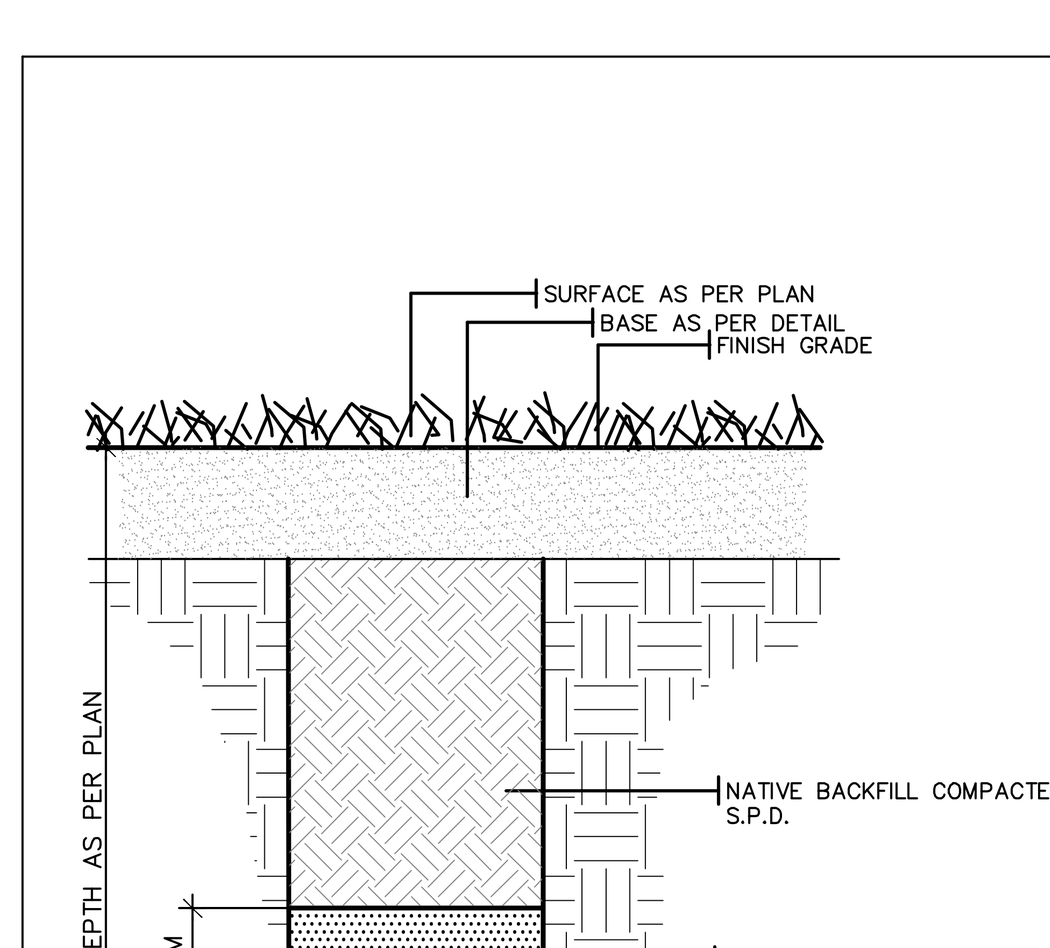
NOTES:
1. MESH SIZE: 38 MM MESH, 9 GAUGE GALVANIZED STEEL WIRE, BLACK VINYL COATED
2. ALL EXPOSED BARBS TO BE KNUCKLED UNDER
3. POSTS, RAILS, FITTINGS, BANDS AND HARDWARE: GALVANIZED STEEL WITH FACTORY APPLIED BLACK POWDER COAT TO MATCH FABRIC
4. CORNER POSTS TO BE INSTALLED AT HORIZONTAL DEFLECTIONS IN THE FENCE LINE OF 10 DEGREES OR MORE
5. TERMINAL POSTS TO BE INSTALLED AT EQUAL INTERVALS NOT EXCEEDING 150m. ADDITIONAL TERMINAL POSTS TO BE INSTALLED WHERE CHANGES IN VERTICAL ALIGNMENT OF FENCE EXCEEDS 30 DEGREES
6. FENCE TO BE LOCATED ENTIRELY WITHIN PROPERTY LINE (150mm INSIDE)
7. ALL DIMENSION ARE IN MILLIMETERS, UNLESS OTHERWISE STATED
8. CONTRACTOR TO VERIFY SUBGRADE COMPACTION AND NOTIFY LANDSCAPE ARCHITECT OF ANY SUBSTANDARD CONDITIONS.

10 1.5M HT. CHAIN LINK FENCE - BLACK VINYL WITH BOTTOM RAIL
N.T.S. 323113.16-43

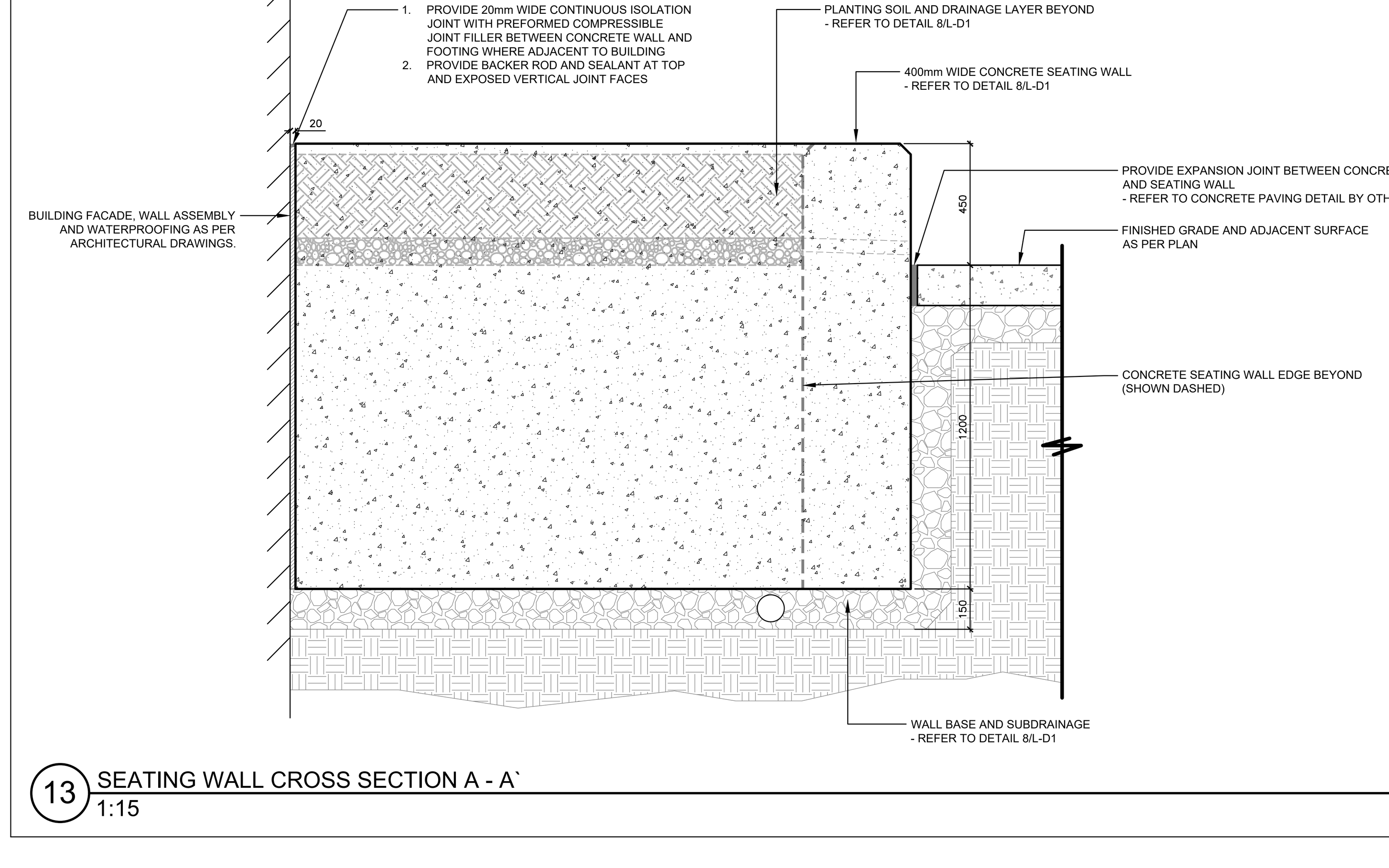


NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED
2. HAVE SUB GRADE AND DRAIN APPROVED BY TOWN PRIOR COVERING UP.

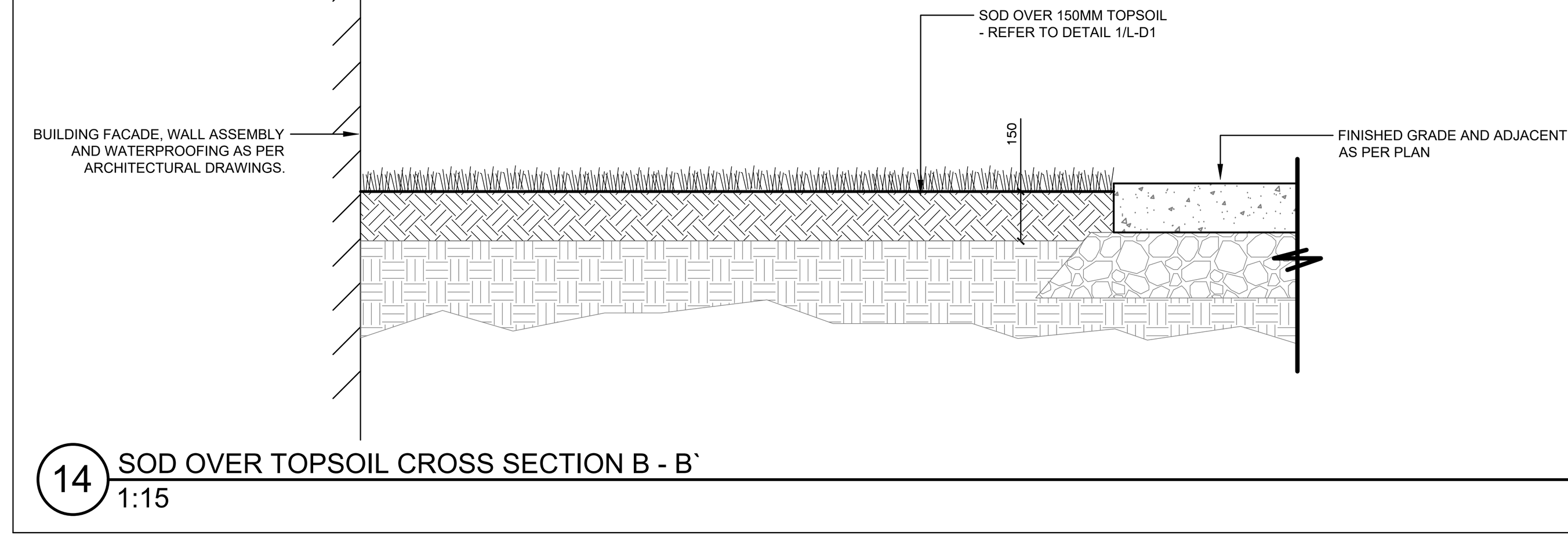
11 SUB DRAIN MITERED DRAIN COVER
N.T.S. 320402-82



12 NON-PERFORATED STORM PIPE TRENCH
NTS 320410-83



13 SEATING WALL CROSS SECTION A - A`
1:15



14 SOD OVER TOPSOIL CROSS SECTION B - B`
1:15

CAD File:

CONCRETE NOTES

1. UNLESS OTHERWISE INDICATED, CONCRETE SHOULD BE PROPORTIONED, MIXED PLACED AND CURED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA STANDARD CAN/CSA-A23.1-94 FOR CLASS C-2 EXPOSURE, WITH THE FOLLOWING KEY REQUIREMENTS:

MINIMUM 28 DAY COMPRESSIVE STRENGTH:	32MPa
AIR ENTRAINMENT:	5 TO 8%
MAXIMUM WATER/CEMENTING MATERIAL RATIO:	0.45

GENERAL NOTES

1. THE CONTRACTOR IS TO VERIFY ALL EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES BEFORE COMMENCING WORK.
2. ALL WORK IS PROPOSED UNLESS OTHERWISE STATED AS EXISTING.
3. ALL MEASUREMENTS & GRADES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ANY ALTERATIONS THAT MAY BE REQUIRED DURING CONSTRUCTION MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
4. ALL MATERIALS ARE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS UNLESS OTHERWISE DIRECTED. SHOP DRAWINGS AND SPECIFICATION ARE TO BE PROVIDED BY CONTRACTOR FOR ALL OTHER UNSPECIFIED FEATURES & APPROVED PRIOR TO INSTALLATION. SAMPLES ARE TO BE PROVIDED BY THE CONTRACTOR & APPROVED PRIOR TO ORDERING OF ANY MATERIALS.
5. ALL DESIGNS OF STRUCTURAL ELEMENTS (FENCING, WALLS, OUTBUILDINGS, ETC.) & FOOTINGS ARE TO BE REVIEWED & CERTIFIED BY AN ONTARIO LICENSED STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
6. BASE INFORMATION WAS TAKEN FROM SURVEY DATED JUNE 2025 PROVIDED BY THE DEARDEN AND STANTON LTD. INFORMATION WAS CROSS REFERENCED AND ENHANCED WITH AERIAL IMAGERY.
7. THE CONTRACTOR MUST SURVEY, LOCATE & MARK ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION AND MUST KEEP DOCUMENTATION OF SUCH LOCATES ON SITE AT ALL TIMES. IF NO UTILITIES ARE PRESENT THEN THIS MUST BE OUTLINED IN A WRITTEN NOTICE FROM THE LOCATOR & UTILITIES.
8. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO SERVICES, EXISTING VEGETATION OR ANY OTHER FEATURES TO BE RETAINED AND MUST REPAIR ANY DAMAGES THAT OCCUR TO THEM DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR MUST ENSURE ADEQUATE COVER WILL BE PROVIDED ABOVE UTILITIES WITH PROPOSED GRADING CONDITIONS.
9. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING, MANAGING & CLOSING ANY & ALL PERMITS REQUIRED FOR THE CONSTRUCTION UNLESS OTHERWISE SPECIFIED.
10. ALL PERMIT DOCUMENTS ARE TO BE POSTED IN A VISIBLE LOCATION AS DIRECTED BY THE MUNICIPALITY/TRCA AND MUST REMAIN POSTED UNTIL THE END OF CONSTRUCTION.
11. THE CONTRACTOR SHALL DISPOSE OF ALL EXISTING WASTE/GARBAGE & EXCESS MATERIAL OFF SITE. ALL WASTE IS TO BE HANDLED & DISPOSED OF IN ACCORDANCE WITH PROVINCIAL ENVIRONMENTAL & WASTE MANAGEMENT REGULATIONS.
12. THE CONSTRUCTION SITE MUST REMAIN ORGANIZED, ORDERLY & FREE OF HAZARDS. A PORTABLE TOILET MUST BE PROVIDED FOR CONTRACTORS AND SITE VISITORS IF NO PUBLIC BATHROOMS ARE NEARBY.
13. ALL SETBACKS MUST BE FOLLOWED FOR PROPOSED WORK AND FEATURES AS DIRECTED BY THE MUNICIPALITY AND OTHER REGULATING AUTHORITIES UNLESS WRITTEN APPROVAL FROM THESE PARTIES INDICATES OTHERWISE. ANY DISCREPANCIES MUST BE REPORTED TO THE LANDSCAPE ARCHITECT.
14. DRAWINGS ARE SHOWN IN METRIC SCALE. ALL DIMENSIONS & ELEVATIONS ARE IN METERS UNLESS OTHERWISE STATED. DETAILS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE STATED. DO NOT SCALE LANDSCAPE DRAWINGS.
15. ALL MEASUREMENTS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ANY ALTERATIONS THAT MAY BE REQUIRED DURING CONSTRUCTION MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
16. ALL HARDSCAPED AREAS, LANDSCAPE FEATURES AND PLANTING BEDS ARE TO BE MARKED OR STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
17. LANDSCAPE PLANS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT & AVAILABLE DOCUMENTS PROVIDED BY THE OTHER CONSULTS (SURVEYOR, ARBORIST, ARCHITECT, ENGINEER, ETC.).

SUBDRAIN NOTES

1. SUB DRAIN DESIGN MUST BE VERIFIED BY A GEOTECHNICAL CONSULTANT PRIOR TO GRADING AND SUB BASE CONSTRUCTION.
2. IN ORDER TO PROVIDE ADEQUATE SUBSURFACE DRAINAGE, SHORT (APPROXIMATELY 3m LONG) PERFORATED SUBDRAINS SHOULD BE PROVIDED AT INTERNAL CATCHBASIN LOCATIONS ON ALL FOUR SIDES OF THE CATCHBASINS. SUB DRAINS SHOULD BE A MINIMUM OF 300mm BELOW THE BOTTOM OF THE GRANULAR SUBBASE AND CONNECTED TO THE CATCHBASINS. THE DRAINS SHOULD CONSIST OF 150mm DIAMETER GEOTEXTILE WRAPPED PERFORATED PIPE, SURROUNDED ON ALL SIDES BY AT LEAST 150mm OF 19mm CLEAR STONE.
3. ADDITIONAL SUBDRAINS SHALL BE PROVIDED ALONG CURB LINES WHERE ADJOINING GRADES ARE HIGHER TO INTERCEPT WATER ENTERING INTO THE SUBGRADE AND GRANULAR MATERIALS.

TREE REMOVAL, PRESERVATION & PROTECTION NOTES

GENERAL NOTES FOR SETUP, COORDINATION & COMMENCEMENT

1. THE INTENT OF THE TREE PRESERVATION AND PROTECTION PLAN IS TO PROVIDE AN INVENTORY OF EXISTING TREES ON SITE. IT IS NOT A SURVEY AND THEREFORE THE EXACT LOCATION OF EXISTING TREES MUST BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS.
2. ALL TREES TO BE PRESERVED SHALL BE INDICATED AND MARKED AS SUCH ON SITE BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT, ARBORIST AND/OR MUNICIPAL STAFF PRIOR TO THE COMMENCING OF CLEARING AND GRUBBING.
3. AS PART OF THE CLEARING AND GRUBBING WORK, TREES LOCATED AT THE EDGES OF ALL PRESERVATION AREAS REGARDLESS OF SIZE ARE TO BE PRUNED OF DEAD AND DISEASED LIMBS. INDIVIDUAL SPECIMENS ARE TO BE REMOVED IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES AND TO THE SATISFACTION OF THE MUNICIPALITY UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT OR ARBORIST.
4. IN THE EVENT THAT A TREE WHICH HAS BEEN DESIGNATED FOR PRESERVATION IS DAMAGED OR REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT, ARBORIST AND/OR MUNICIPAL STAFF, THE LAND OWNER SHALL BE HELD RESPONSIBLE.
5. ALL NECESSARY TREE REMOVAL WILL BE COMPLETED OUTSIDE THE PRIMARY BIRD NESTING AND BAT ACTIVITY PERIODS (I.E., TO BE COMPLETED BETWEEN OCTOBER 1 AND MARCH 31). IF LIMITED TREE REMOVAL IS REQUIRED DURING THIS PERIOD, A SURVEY WILL BE CONDUCTED BY A QUALIFIED ECOLOGIST WITHIN TWO (2) DAYS OF THE COMMENCEMENT OF TREE REMOVAL ACTIVITIES TO DETERMINE HABITAT SUITABILITY AND/OR CONFIRM THE PRESENCE/ABSENCE OF NESTING BIRDS AND ROOSTING BATS. SHOULD A NESTING BIRD OR ROOSTING BAT BE IDENTIFIED, A MITIGATION PLAN MUST BE DEVELOPED (WHICH MAY INCLUDE DISCUSSIONS WITH RELEVANT AGENCIES) TO ADDRESS REGULATORY REQUIREMENTS.

SPECIFICATIONS FOR PRESERVATION & PROTECTION

6. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS, ALL TREES OR BLOCKS OF TREES THAT HAVE BEEN DESIGNATED FOR PRESERVATION, AS INDICATED ON THE ACCOMPANYING PLAN SHALL BE FULLY PROTECTED BY THE ERECTION OF HOARDING OUTSIDE OF OR AT THE DRIP LINE UNLESS OTHERWISE SPECIFIED. AN INSPECTION BY THE MUNICIPALITY MUST BE ARRANGED BY THE CONTRACTOR OR OWNER AND WRITTEN APPROVAL MUST BE PROVIDED PRIOR TO ANY SITE WORK.
7. EQUIPMENT OR VEHICLES SHALL NOT BE PARKED, REPAIRED OR REFUELED WITHIN TREE PROTECTION ZONES. CONSTRUCTION MATERIALS SHALL NOT BE STORED AND EARTH MATERIALS SHALL NOT BE STOCKPILED WITHIN THE DRIP LINE AREA OF ANY TREE NOT DESIGNATED FOR REMOVAL.
8. TREES THAT ARE TO REMAIN SHALL NOT HAVE RIGGING CABLES ATTACHED OR WRAPPED AROUND THEM. NOR SHALL ANY CONTAMINANTS BE DUMPED WITHIN THE PROTECTIVE AREAS. FURTHERMORE, NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF THE TREES TO BE PRESERVED.
9. THE CONTRACTOR AND LAND OWNER SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO TREES OR SHRUBS THAT ARE NOT DESIGNATED FOR REMOVAL AS PER THE ACCOMPANYING PLANS.
10. UNLESS THE PLANS SPECIFICALLY REQUIRE WORK WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, EQUIPMENT SHALL NOT BE OPERATED WITHIN THAT DRIP LINE AREA AND ALL WORK MUST BE DONE BY HAND. ANY WORK REQUIRING THE OPERATION OF EQUIPMENT WITHIN THAT DRIP LINE SHALL BE KEPT TO THE MINIMUM AMOUNT REQUIRED. PRIOR TO THE COMMENCEMENT OF SUCH WORKS THE LANDSCAPE ARCHITECT, ARBORIST AND/OR MUNICIPAL STAFF MUST BE GIVEN WRITTEN NOTIFICATION AND WILL SUBSEQUENTLY BE REQUIRED TO OVERSEE AND INSPECT SAID WORKS.
11. THE CONTRACTOR'S OPERATION SHALL IN NO WAY CAUSE DAMAGE TO THE TRUNK OR BRANCHES OF TREES NOT DESIGNATED FOR REMOVAL. FURTHERMORE, THE CONTRACTOR'S OPERATION SHALL NOT CAUSE FLOODING OR SEDIMENT DEPOSITS IN AREAS WHERE TREES ARE TO BE PRESERVED.
12. IF AN EXISTING TREE IS DAMAGED DURING CONSTRUCTION THEN THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SAID TREE AT HIS EXPENSE AND REPLACING IT WITH A SIMILAR PLANT(S) AT A SIZE THAT MEETS THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND/OR MUNICIPAL STAFF.
13. IN THE EVENT THAT IT IS NECESSARY TO REMOVE LIMBS OR PORTIONS OF TREES NOT DESIGNATED FOR REMOVAL, WRITTEN APPROVAL AND DIRECTION MUST BE GIVEN BY THE LANDSCAPE ARCHITECT, ARBORIST AND/OR MUNICIPAL STAFF PRIOR TO ANY WORKS. THE REMOVALS MUST BE EXECUTED CAREFULLY AND IN ACCORDANCE WITH STANDARD ARBORICULTURAL & HORTICULTURAL PRACTICES AND TECHNIQUES.
14. IN THE EVENT THAT GRADES AROUND A TREE DESIGNATED FOR PRESERVATION ARE TO BE CHANGED, THE CONTRACTOR SHALL BE REQUIRED TO TAKE PRECAUTIONS TO PRESERVE THE TREE THROUGH HAND, AIR OR HYDRO EXCAVATION, DRY WELLING, ROOT PRUNING AND ROOT FEEDING. ALL WORK AND PROTECTION MEASURES MUST BE UNDERTAKEN TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND MUNICIPAL STAFF. ALL OF SUCH WORK IS TO BE OVERSEEN BY AN ARBORIST.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND/OR REMOVAL OF DEAD, DYING, DISEASED TREES WITHIN THE LIMIT OF THIS PLAN UNTIL END OF THE MAINTENANCE PERIOD.

PLANTING NOTES

MATERIAL REQUIREMENTS

1. PLANT MATERIAL LISTED IN THE PLANT SCHEDULE ARE MINIMUM SIZES OF NURSERY GROWN AND UNIFORM SPECIMENS. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT.
2. DECIDUOUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND WELL BRANCHED 1.5m ABOVE GRADE UNLESS OTHERWISE STATED.
3. CONIFEROUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND DENSELY BRANCHED TO WITHIN 0.3m OF THE GROUND UNLESS OTHERWISE STATED.
4. ALL PLANTING MATERIAL AND OPERATIONS TO MEET OR EXCEED THE HORTICULTURAL STANDARDS OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND THE HORTICULTURAL TRADES ASSOCIATION. ALL PLANT MATERIAL TO BE NO.1 GRADE NURSERY STOCK. UNSATISFACTORY STOCK WILL BE REFUSED ON THE SITE. PLANTS TO BE HEALTHY, TRUE TO SPECIFICATIONS & INSTALLED AS PER THESE STANDARDS.
5. ALL MATERIALS & PLANTS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION & PREFERABLY BEFORE REMOVING FROM THE DELIVERY VEHICLE.
6. SOD TO BE CANADA NO.1 NURSERY SOD, MEETING ONTARIO SOD GROWERS ASSOCIATION STANDARDS. ALL SOD AREAS TO RECEIVE MINIMUM OF 200mm DEPTH OF TOPSOIL UNLESS OTHERWISE INDICATED.
7. ALL TREE PROTECTION ITEMS USED IN NATURALIZED/RESTORED AREAS ARE TO BE BIODEGRADABLE AND REMOVED AFTER THE WARRANTY PERIOD (E.G. CHOIR WEED MATS, BURLAP TRUCK PROTECTION, WOODEN SUPPORT STAKES).

GENERAL NOTES

8. LOCATIONS FOR PLANT MATERIAL AND PLANTING BEDS ARE TO BE MARKED OR STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
9. ALL PLANT MATERIAL WHICH ARE SHOWN AND SPECIFIED BY OC (ON CENTER SPACING) ARE TO BE PLANTED AS PER THESE NOTES & IN ACCORDANCE WITH THE PLANT SCHEDULE.
10. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANT LIST, KEY AND/OR GRAPHICS ON THE DRAWING, THE GREATER TOTAL SHALL TAKE PRECEDENT. THE CONTRACTOR IS RESPONSIBLE FOR ANY QUANTITY DISCREPANCIES REPORTED AFTER CONTRACT AWARD.
11. ALL MASS PLANTINGS OF SHRUBS & PERENNIALS SHALL BE IN CONTINUOUS BEDS AND MULCHED AS SPECIFIED. ALL PLANT BEDS ARE TO BE AMENDED WITH A MINIMUM OF 300mm OF TOPSOIL MIX BEFORE PLANTING. IN AREAS WHERE EXCAVATION IS DIFFICULT/PROHIBITED (UNDERNEATH TREES) THEN PLANT BEDS ARE TO BE TOPDRESSED WITH 100mm MINIMUM OF BIOEARTH BY HERMANNS AND WORKED INTO THE SOIL DURING PLANTING. PLANT BEDS ARE TO BE FINISHED WITH A 150mm LAYER OF SHREDDED CEDAR MULCH AFTER PLANTING UNLESS OTHERWISE INDICATED.
12. ALL TREE PITS AND ANY MECHANICALLY DUG HOLES SHALL BE SCARIFIED AND INCLUDE TREATMENT WITH MICORRHIZAL FUNGI OF THE SIDES BEFORE PLANTING.
13. ALL TREES ARE TO BE STAKED OR GUY WIRED ACCORDING TO DETAILS PROVIDED OR AS OTHERWISE SPECIFIED.
14. REMOVE BURLAP AND ROPE FROM THE TOP 2/3 OF ROOT BALLS. ANY WIRE MESH AND CONTAINERS MUST BE COMPLETELY REMOVED.
15. WATER AT TIME OF PLANTING AND WHENEVER DEEMED NECESSARY TO MAINTAIN PLANTS IN A HEALTHY CONDITION.
16. ALL PLANT MATERIALS WHICH CANNOT BE PLANTED IMMEDIATELY UPON ARRIVAL ON SITE SHALL BE PROPERLY HEELED IN OR WELL PROTECTED WITH SOIL OR SIMILAR MATERIALS TO PREVENT DRYING OUT AND SHALL BE KEPT MOIST UNTIL COMMENCEMENT OF PLANTING. PLANT MATERIAL MUST BE PLANTED WITHIN 24 HOURS OF ARRIVING ON SITE.
17. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED OVERNIGHT. ALL OPEN PITS SHALL BE ADEQUATELY PROTECTED BY BARRIERS OR FILLED IN WITH SOIL PRIOR TO THE END OF EACH PLANTING DAY.
18. ALL NEW WORK TO BLEND NEATLY AND SMOOTHLY WITH EXISTING CONDITIONS.

INSPECTION, MAINTENANCE & WARRANTY

19. GIVE TIMELY NOTICE TO THE LANDSCAPE ARCHITECT FOR THE REQUIRED START UP SITE INSPECTION TO REVIEW SITE CONDITIONS AND SCHEDULE FOLLOW UP INSTALLATIONS.
20. INSTALLATION OF PLANT MATERIAL PRIOR TO INSPECTION BY THE LANDSCAPE ARCHITECT WILL BE THE CONTRACTOR'S RESPONSIBILITY.
21. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS, WHETHER INSTALLED OR NOT, WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND/OR SITE DRAWINGS. REMOVE ALL REJECTED PLANTS FROM THE SITE IMMEDIATELY. DO NOT REMOVE ANY LABELS FROM PLANTS UNTIL PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
22. ALL PLANT MATERIAL AND WORKMANSHIP WILL BE INSPECTED AND IS UNDER WARRANTY FOR A MINIMUM OF TWO YEARS FROM DATE OF WRITTEN ACCEPTANCE. ALL PLANT MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION SATISFACTORY TO THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD OR BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH A FURTHER TWO YEAR WARRANTY PROVIDED.
23. WATERING BAGS (TREEGATOR OR APPROVED ALTERNATIVE) WILL BE USED TO WATER NEWLY INSTALLED TREES FOR THE FIRST 2 YEARS. THESE WATER BAGS ARE NOT ALLOWED TO RUN DRY OVER THE GROWING SEASON. NON-POTABLE DRIP OR SPRAY IRRIGATION CONNECTED TO A TIMER AND RAIN SENSOR SHALL BE PROVIDED FOR ALL PLANT BEDS, SOD AND SEED. THIS SYSTEM IS TO BE DESIGNED AND APPROVED BY AN IRRIGATION SPECIALIST OR ENGINEER. REGULAR & SCHEDULED MANUAL WATERING IS PERMITTED AS AN ALTERNATIVE IF APPROVED.
24. THE CONTRACTOR IS RESPONSIBLE FOR MONTHLY CLEANUP, MULCH TOP-UP, FERTILIZING AND WEEDING OF ALL SOFTSCAPED AREAS INCLUDING PLANT BEDS, SOD AND SEED DURING THE GROWING SEASON AND THROUGHOUT THE WARRANTY PERIOD UNLESS OTHERWISE INDICATED.FINAL ACCEPTANCE OF THE PROJECT WILL BE CARRIED OUT UPON COMPLETION OF ALL WORK INCLUDED IN THE CONTRACT.
25. FINAL ACCEPTANCE OF THE PROJECT WILL BE CARRIED OUT UPON COMPLETION OF ALL WORK INCLUDED IN THE CONTRACT.

TOPSOIL REQUIREMENTS

26. PROVIDE MINIMUM SOIL VOLUME PER TREE AT 0.45m DEPTH FOR STREET TREES ABOVE UTILITIES, 0.9m FOR STREET TREES NOT ABOVE UTILITIES AND 1.2m IN OTHER AREAS UNLESS NOTED OTHERWISE:
   - 30 m^3 FOR LARGE TREES (MATURE CANOPY OF 5m Ø OR MORE)
   - 20 m^3 FOR SMALL TREES (MATURE CANOPY OF 5m Ø OR LESS)
25. PREPARED SOIL MIXTURE FOR ALL TREE PITS AND OTHER PLANTINGS SHALL CONSIST OF HIGH QUALITY SOIL FREE OF CLAY LUMPS, REFUSE, DEBRIS, TOXIC AND DELETERIOUS SUBSTANCES, STONES, WOODY MATERIAL, WEED SEEDS, GRASS OR WEED ROOTS, PLANT AND SOIL PESTS, INVASIVE SPECIES:
   - STANDARD MIX (FOR PLANTINGS IN TURF & SEED) : TEXTURE TO BE 50-60% SAND, 20-40% SILT, AND 6-10% CLAY; ORGANIC MATTER 2-5% BY DRY WEIGHT; PH 6.0-7.8; PHOSPHORUS 10-60 PPM; POTASSIUM 80-250 PPM; CALCIUM < 5000 PPM; MAGNESIUM 100-300 PPM; SOLUBLE SALT < 1.5 MMHOS/CM; INFILTRATION/PERMEABILITY/HYDRAULIC CONDUCTIVITY 50-75 MM/HR (AT 85% PROCTOR DENSITY)
   - PLANT BED MIX (FOR PLANTINGS IN PLANT BEDS) : VOLUMETRIC MIX OF 50% TOPSOIL, 20% COARSE SAND AND 30% PINE BARK COMPOST; ORGANIC MATTER >5% BY DRY WEIGHT; pH 6.0-7.8; PHOSPHORUS 10-60 ppm; POTASSIUM 80-250 ppm; CALCIUM < 5000 ppm; MAGNESIUM 100-300 ppm; SOLUBLE SALT < 1.5 mmhos/cm; NFILTRATION/PERMEABILITY/HYDRAULIC CONDUCTIVITY 50-75 mm/hr (5% PROCTOR DENSITY)
   - BOULEVARD MIX (FOR PLANTINGS IN HARDSCAPED BOULEVARDS & OVER UNDERGROUND STRUCTURES) : VOLUMETRIC MIX OF 40-45% TOPSOIL, 40-45% COARSE SAND AND 12-15% PINE BARK COMPOST, PARTICLE SIZE DISTRIBUTION OF >45% MEDIUM-COARSE SAND (0.23-2MM) PLUS GRAVEL (2-5MM), 18-35% TOTAL COMBINED SILT AND CLAY; ORGANIC MATTER 3-5% BY DRY WEIGHT; pH 6.0-7.8; PHOSPHORUS 10-60 ppm; POTASSIUM 80-250 ppm; CALCIUM < 5000 ppm; MAGNESIUM 100-300 ppm; SOLUBLE SALT < 1.5 mmhos/cm; INFILTRATION/PERMEABILITY/HYDRAULIC CONDUCTIVITY 50-75 mm/hr (5% PROCTOR DENSITY)
   - ACIDIC SOIL MIX (REFER TO ASTERISK (*) IN PLANT LIST WHERE REQUIRED): VOLUMETRIC MIX OF 40% TOPSOIL, 20% COARSE SAND AND 40% PINE BARK COMPOST OR PARTLY DECOMPOSED OAK LEAVES; ORGANIC MATTER >5% BY DRY WEIGHT; PH < 5.5 (IF REQUIRED REDUCE THE pH WITH ±2KG/10M² AGRICULTURE SULPHUR OR ±4Kg/10m² IRON SULPHATE); PHOSPHORUS 10-60 PPM; POTASSIUM 80-250 PPM; CALCIUM < 5000 PPM; MAGNESIUM 100-300 PPM; SOLUBLE SALT < 1.5 MMHOS/CM; INFILTRATION/PERMEABILITY/HYDRAULIC CONDUCTIVITY 50-75 MM/HR (AT 85% PROCTOR DENSITY)

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — KYLE FOCH — OALA MEMBER

Project North — True North

No.	Revisions	Date
7	Issued for Tender	2026-11-12
6	Issued for Tender	2026-05-28
5	Issued for Pre-Tender	2026-05-22
4	Issued for Permit	2026-04-24
3	Site Plan Approval Resubmission	2026-03-23
2	Issued for 80% Progress Set	2026-02-10
1	Issued for First Submission	2025-11-14

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title:
DETAIL PLAN

Scale: NTS	Date: October 2025
Drawn by: JC	Checked by: KF
Job No. 2502	Drawing No. L-D1