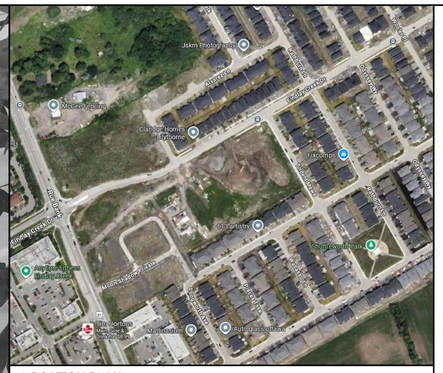

LOCATION PLAN

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

SURVEY

ANNIS, O'SULLVAN, VOLLEBEKK LTD.
14 CONCOURSE GATE, SUITE 500
NEPEAN, ONTARIO K2E 7S6
PHONE: (613) 727 0850

ARCHITECTURAL

EDWARD J CUHACI & ASSOCIATES ARCHITECTS INC.

171 SLATER STREET SUITE 100
OTTAWA, ONTARIO K1P 5H7
PHONE: (613) 236-7135

STRUCTURAL

CLELAND JARDINE
200-580 TERRY FOX DR,
KANATA, ONTARIO K2L 4B9
PHONE: (613) 591-1533

MECHANICAL

GOODKEY, WEEDMARK & ASSOCIATES LIMITED

1688 WOODWARD DRIVE
OTTAWA, ONTARIO K2C 3R8
PHONE: (613) 727-5111

ELECTRICAL

GOODKEY, WEEDMARK & ASSOCIATES LIMITED

1688 WOODWARD DRIVE
OTTAWA, ONTARIO K2C 3R8
PHONE: (613) 727-5111

SURVEY DRAWINGS

TOPOGRAPHIC PLAN OF SURVEY OF: BLOCK 258, REGISTERED PLAN 4M-1659; BLOCK 224, REGISTERED PLAN 4M-1624
CITY OF OTTAWA
DATED OCT 24, 2025

CIVIL

WSP GROUP

300-2611 QUEENSVIEW DRIVE
OTTAWA ON K2B 8K2
PHONE: (613) 829-2800

CIVIL DRAWINGS

C01 - NOTES AND LEGEND
C02 - DETAILS
C03 - REMOVAL PLAN
C04 - GRADING PLAN
C05 - SERVICING PLAN
C06 - EROSION AND SEDIMENT CONTROL PLAN
C07 - POST-DRAINAGE AREA PLAN

LANDSCAPING

JAMES B. LENNOX & ASSOCIATES INC. LANDSCAPE ARCHITECTS

3332 CARLING AVE.
OTTAWA, ONTARIO K2H 5A8
PHONE: (613)722-5168

LANDSCAPING DRAWINGS

L.1 - LANDSCAPE PLAN

ARCHITECTURAL DRAWINGS

A001 - SITE PLAN
A002 - SITE DETAILS
A003 - SITE DETAILS
A010 - DRAWING LEGEND, GENERAL NOTES, AND ASSEMBLIES
A020 - LIFE SAFETY PLANS, OBC MATRIX, FIREPROOFING DETAILS,
A101 - GROUND FLOOR PLAN
A102 - SECOND FLOOR PLAN
A103 - ROOF PLAN
A200 - ELEVATIONS
A201 - ELEVATION PERSPECTIVES
A205 - WINDOW SCHEDULE
A206 - WINDOW SCHEDULE
A210 - BUILDING SECTIONS
A220 - WALL SECTIONS
A221 - WALL SECTIONS
A222 - WALL SECTIONS
A223 - WALL SECTIONS
A224 - WALL SECTIONS
A230 - ROOF DETAILS
A231 - SECTION DETAILS
A232 - SECTION DETAILS
A233 - SECTION DETAILS
A234 - SECTION DETAILS
A235 - SECTION DETAILS
A240 - PLAN DETAILS
A241 - PLAN DETAILS
A242 - PLAN DETAILS
A243 - PLAN DETAILS
A300 - STAIR PLANS, SECTIONS AND DETAILS
A301 - STAIR PLANS, SECTIONS AND DETAILS
A302 - STAIR SECTION DETAILS
A305 - ELEVATOR PLANS AND SECTIONS
A401 - GROUND FLOOR REFLECTED CEILING PLAN
A402 - SECOND FLOOR REFLECTED CEILING PLAN
A500 - WASHROOM PLANS, TYPICAL ELEVATIONS AND DETAILS
A501 - WASHROOM DETAILS
A505 - GYM GAME LINES AND DETAILS
A506 - GYM ELEVATIONS AND DETAILS
A801 - GROUND FLOOR MILLWORK PLAN
A802 - SECOND FLOOR MILLWORK PLAN

STRUCTURAL DRAWINGS

S000 - GENERAL NOTES AND DETAILS
S001 - GENERAL NOTES AND DETAILS
S002 - GENERAL NOTES AND DETAILS
S003 - GENERAL NOTES AND DETAILS
S004 - SCHEDULES AND SCHEDULE NOTES
S100 - FOUNDATION / GROUND FLOOR PLAN
S101 - SECOND FLOOR PLAN
S102 - ROOF PLAN
S103 - HIGH ROOF PLAN
S200 - SECTIONS AND DETAILS
S201 - SECTIONS AND DETAILS
S202 - SECTIONS AND DETAILS
S203 - SECTIONS AND DETAILS
S300 - BRACE FRAME ELEVATIONS
S301 - BRACE FRAME ELEVATIONS

MECHANICAL DRAWINGS

M001 - MECHANICAL DRAWING LIST AND LEGENDS
M002 - MECHANICAL SCHEDULES I
M003 - MECHANICAL SCHEDULES II
M004 - MECHANICAL SCHEMATICS AND DETAILS
M005 - MECHANICAL DETAILS I
M006 - MECHANICAL DETAILS II
M007 - MECHANICAL DETAILS III
M008 - MECHANICAL CONTROLS
M100 - FIRE PROTECTION - GROUND FLOOR
M101 - FIRE PROTECTION - SECOND FLOOR
M200 - PLUMBING - GROUND FLOOR
M201 - PLUMBING - SECOND FLOOR
M300 - UTILITIES - GROUND FLOOR
M301 - UTILITIES - SECOND FLOOR
M400 - HVAC - GROUND FLOOR
M401 - HVAC - SECOND FLOOR
M402 - HVAC - ROOF PLAN

ELECTRICAL DRAWINGS

E001 - ELECTRICAL LIGHTING FIXTURE SCHEDULE, DRAWING LEGEND AND LIST
E002 - ELECTRICAL SITE PLAN
E003 - ELECTRICAL RISER DIAGRAM
E004 - SYSTEMS RISER DIAGRAM
E005 - PANEL SCHEDULES
E006 - ELECTRICAL DETAILS
E007 - ELECTRICAL DETAILS
E101 - GROUND FLOOR LIGHTING AND FIRE ALARM LAYOUT
E102 - SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT
E201 - GROUND FLOOR POWER AND SYSTEMS LAYOUT
E202 - SECOND FLOOR POWER AND SYSTEMS LAYOUT
E203 - ROOF POWER AND SYSTEMS LAYOUT

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Fax: (613) 236-7135 Telephone: (613) 236-7100 E-mail: info@cuhaci.com

ISSUED FOR TENDER

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE, OTTAWA, ONTARIO

DATE: APRIL 24, 2026

Écoles catholiques Centre-Est

ELEVATION NOTES

1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

TOPOGRAPHIC PLAN OF SURVEY OF

BLOCK 258
REGISTERED PLAN 4M-1659
BLOCK 224
REGISTERED PLAN 4M-1624
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 250

10 7.5 5.0 2.5 0 5 10 Metres

Metric

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

Surveyor's Certificate

I CERTIFY THAT :

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the regulations made under them.
2. The survey was completed on the 24th day of October, 2025.

Oct 29/25
Date

J. Andrew Shelp
Ontario Land Surveyor

Notes & Legend

Denotes

—○—	-	Survey Monument Planted
—■—	-	Survey Monument Found
SIB	-	Standard Iron Bar
SSIB	-	Short Standard Iron Bar
SSIB*	-	Short Standard Iron Bar (0.3 Long)
IB	-	Iron Bar
(WIT)	-	Witness
Meas.	-	Measured
(AOG)	-	Annis, O'Sullivan, Vollebekk Ltd.
(P1)	-	Registered Plan 4M-1659
(P2)	-	Registered Plan 4M-1624
(P3)	-	(AOG) Plan Dated March 12, 2025
(P4)	-	Plan 4R-32996
○ MH-ST	-	Maintenance Hole (Storm Sewer)
○ MH-S	-	Maintenance Hole (Sanitary)
○ MH-H	-	Maintenance Hole (Hydro)
○ MH	-	Maintenance Hole (Unidentified)
□ CB	-	Catch Basin
□ CBI	-	Catch Basin Inlet
FH	-	Fire Hydrant
WV	-	Water Valve
UP	-	Utility Pole
AN	-	Anchor
○ LS	-	Light Standard
GV	-	Gas Valve
TB-B	-	Bell Terminal Box
TOS	-	Top of Slope
BOS	-	Bottom of Slope
—— G ——	-	Underground Gas
—— P ——	-	Underground Power
—— B ——	-	Underground Bell
+ 95.00	-	Location of Elevations
+ 95.00TC	-	Top of Concrete Curb Elevation
C/L	-	Centreline
CLF	-	Chain Link Fence
○ B	-	Bollard

Bearings are grid, derived from Southerly limit of Block 224 Registered Plan 4M-1624 shown to be N59°24'20"E and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-117286

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

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Ontario Land Surveyors

Job No. 25048-27 Bk258 PLn659 & Bk224 PLn624 O F FS

NOTES: GENERAL

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE: ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POWER, COMMUNICATION AND GAS LINES.
5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. DATED OCTOBER 24, 2025. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
15. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
16. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
17. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.
19. REPORT REFERENCES
    - i. DESIGN BRIEF, COVAN'S GROVE, 4791 BANK STREET - LEITRIM DEVELOPMENT AREA, PREPARED BY IBI GROUP, PROJECT NO. 103557 DATED MAY 2018.
    - ii. GEOTECHNICAL INVESTIGATION FOR RUSSELL PUBLIC ELEMENTARY SCHOOL, PREPARED BY EXP DATED NOVEMBER, 2025.
20. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

NOTES: EROSION AND SEDIMENT CONTROL

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. **

1. PRIOR TO START OF CONSTRUCTION:
   - 1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C07.
   - 1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
   - 1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
2. DURING CONSTRUCTION:
   - 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
   - 2.2. PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
   - 2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
   - 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
   - 2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
   - 2.6. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
   - 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
   - 2.8. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
   - 2.9. CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
   - 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
   - 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
   - 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
   - 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
   - 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
   - 2.15. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
   - 2.16. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

SANITARY SEWER AND STRUCTURES

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING.
2. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2,3,4.
3. SEWER TRENCH AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
4. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01.
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
6. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.030, OR APPROVED BY THE ENGINEER.
7. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
8. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
9. PROVIDE BACKWATER VALVE FOR BUILDING SANITARY SERVICES.

STORM SEWERS AND STRUCTURES

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
2. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
3. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100D. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE ACCORDANCE WITH CSA A257.2. PIPE SHALL BE JOINTED WITH STD. RUBBER GASKETS AS PER CSA A257.3.
4. SEWER TRENCH AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
5. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWINGS C01.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.030, OR APPROVED BY THE ENGINEER.
7. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
8. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
9. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
10. STORM SEWER MANHOLES SERVICING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SUMP. FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021.
11. STORM CATCHBASINS AS PER OPSD 705.010. STORM CBMH'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
12. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.
13. PROVIDE BACKWATER VALVE ON FOUNDATION DRAIN, STORM DISCHARGE, AND OVERFLOW DISCHARGE.
14. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS TO HAVE 150 MMØ PERFORATED PIPE FOR 3.0M ON ALL AVAILABLE SIDES AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.

NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER TOWNSHIP DIRECTION.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
4. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
6. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
7. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
8. CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
9. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
10. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
11. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY, LIGHT DUTY AND BASKETBALL COURT AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

NOTES: WATERMAIN

1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED.
2. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMAINS WILL BE COMPLETED BY THE CONTRACTOR. CONNECTION TO EXISTING WATERMAIN TO BE COMPLETED BY CONTRACTOR UNDER TOWNSHIP SUPERVISION.
3. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHOLRIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
4. ALL WATERMNAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAIN CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMALL INSULATION SHALL BE PROVIDED AS PER OPSD 1109.030.
5. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
6. WATERMAIN THAT ARE 200mm DIAMETER OR LESS SHALL BE EQUIPPED WITH BUTTERFLY AND GATE VALVES AS PER OPSD 1100.011.
7. ALL FIRE HYDRANTS, VALVE AND VALVE BOX SHALL CONFORM TO OPSD 1105.010.
8. CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
9. REFER TO LANDSCAPE DRAWINGS FOR IRRIGATION SYSTEM REQUIREMENTS IF THERE ARE ANY.

RECOMMENDED PAVEMENT STRUCTURE

Pavement Layer	Compaction Requirements	Computed Pavement Structure		
		Light Duty Parking (Cars Only)	Paved Play Area	Heavy Duty (Access Roads)
Ahpaltic Concrete	92-97 percent MRD	65mm HL3/SP12.5 mm/Cat.B (PG 58-34)	50mm HL3/SP12.5 Cat.B (PG 58-34)	50mm HL3/SP12.5 Cat.B 60mm HL8/SP19 Cat.B (PG 64-28)
OPSS 1010 Granular A Base (crushed limestone)	100 percent SPMDD	150mm	150mm	150mm
OPSS 1010 Granular B Type II Sub-base	100 percent SPMDD	300mm	200mm	450mm

STORM STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE ELEVATION	STRUCTURE INFO							OUTLET PIPE INFO	
		INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER	DIAMETER	TYPE
CB01	92.50			91.42	91.42	600X600mm	OPSD 705.010	S19.1	250	HDPE
CB02	92.50			91.11	91.10	600X600mm	OPSD 705.010	S19.1	300	PVC SDR-35
CB03	92.50				91.10	600X600mm	OPSD 705.010	S19.1	200	PVC SDR-35
CB04	92.70				91.30	600X600mm	OPSD 705.010	S19.1	200	PVC SDR-35
CB05	92.75		90.95	90.95	90.90	600X600mm	OPSD 705.010	S19.1	200	PVC SDR-35
LD06	92.75			91.28	91.28	1200mm DIA.	REFER TO DETAIL S30	REFER TO DETAIL S30	250	HDPE
LD07	92.75			91.50	91.50	1200mm DIA.	REFER TO DETAIL S30	REFER TO DETAIL S30	250	HDPE
LD08	92.75			91.18	91.18	1200mm DIA.	REFER TO DETAIL S30	REFER TO DETAIL S30	250	HDPE
LD09	92.90				91.83	1200mm DIA.	REFER TO DETAIL S31	REFER TO DETAIL S31	250	HDPE
LD10	92.95			91.69	91.69	1200mm DIA.	REFER TO DETAIL S30	REFER TO DETAIL S30	250	HDPE
LD11	92.85			91.54	91.54	1200mm DIA.	REFER TO DETAIL S30	REFER TO DETAIL S30	250	HDPE
CBMH100	92.50	91.30	90.81	90.63	90.22	1200mm DIA.	OPSD 701.010	S28.1	375	PVC SDR-35
CBMH101	92.90	90.99	90.63	89.99	90.17	1200mm DIA.	OPSD 701.010	S28.1	600	CONC
STMH102	93.75			90.12	90.09	1200mm DIA.	OPSD 701.010	S24.1	600	CONC
STMH103	94.03		90.36	90.08	90.06	1200mm DIA.	OPSD 701.010	S24.1	600	CONC
STMH104	94.08			90.05	89.83	1500mm DIA.	OPSD 701.011	S24.1	825	CONC
STMH105	93.07		90.80	90.80	90.78	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35

SAN STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT			DESCRIPTION		
		INLET	INLET	OUTLET	SIZE	OPSD	COVER
SANMH200	93.13			91.43	91.41	1200mm DIA.	OPSD-701.010	S24
SANMH201	93.82			91.18	91.12	1200mm DIA.	OPSD-701.010	S24

WATERMAIN SCHEDULE

STATION	DESCRIPTION	FINISHED GRADE	TOP OF WATERMAIN	COVER
200mm WATERMAIN SERVICE (0+000)				
0+000.00	Connect to EX.250mm DIA. Watermain	93.81	91.410	2.40
0+000.29	45° Bend	93.80	91.400	2.40
0+001.30	45° Bend	93.94	91.540	2.40
0+089.72	45° Bend	93.25	90.850	2.40
0+091.59	45° Bend	93.19	90.790	2.40
0+098.00	Connect to proposed building	93.30	90.900	2.40
200mm WATERMAIN SERVICE (1+000)				
1+000.00	Connect to EX.250mm DIA. Watermain	92.87	90.470	2.40
1+008.00	200mm VB	93.20	90.800	2.40
1+017.00	Connect to proposed building	93.30	90.900	2.40

EXISTING LEGEND

- EXISTING CURB
- EXISTING CENTERLINE OF ROAD
- EXISTING TOP OF SLOPE
- EXISTING BOTTOM OF SLOPE
- EXISTING POWER HYDRO
- EXISTING BELL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER (SIZE OVER 1000mmØ)
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- EXISTING WATER VAVLE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING SEWER FLOW DIRECTION

PROPOSED LEGEND

- PROPOSED CURB
- PROPERTY LINE
- PROPOSED TOP OF SLOPE
- PROPOSED SWALE
- PROPOSED FENCE
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED SUB DRAIN
- 100YR PONDING LIMIT
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE (1200mmØ)
- PROPOSED STORM MANHOLE (1500mmØ)
- PROPOSED CATCH BASIN MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED LANDSCAPE DRAIN
- PROPOSED WATER VAVLE
- PROPOSED TEE CONNECTION
- PROPOSED 45° BEND
- PROPOSED FIRE HYDRANT
- PROPOSED BUILDING
- LIGHT DUTY PAVEMENT
- HEAVY DUTY PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE WALK WITH HEAVY DUTY BASE
- ENGINEERED WOOD FIBER
- PROPOSED ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED SWALE ELEVATION
- TIE-IN TO EXISTING ELEVATION
- PROPOSED SLOPE
- OVERLAND FLOW DIRECTION

REMOVAL LEGEND

- CURB REMOVAL
- STORM SERVICE REMOVAL
- CONCRETE SIDEWALK REMOVAL
- ASHPALT PAVMENT REMOVAL

ESC LEGEND

- FILTER CLOTH PROTECTION
- SILT FENCE
- MUT MAT

DRAINGE AREA LEGEND

- DRAINAGE AREA SYMBOL (A-5 CONTROLLED; AREA IN HECTARES 0.3; RUNOFF COEFFICIENT 0.2)
- DRAINAGE AREA BOUNDARY

CLIENT:
Écoles catholiques Centre-Est

CLIENT REF. #:

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3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:

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LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED AND DATED

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THIS DRAWING IS NOT TO BE SCALED.

BEARING NOTE:
BEARING ARE GRID, DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 (REGISTERED PLAN 4M-1624 SHOWN TO BE N63°24'30"E AND ARE REFERRED TO THE CONTRAL MERIDIAN OF MTM ZONE 9 (78°30' WEST LONGITUDE) NAD-83 (ORIGINAL).
BENCHMARK #1 N:5020504.33 E:370978.61 Z:95.08
BENCHMARK #2 N:5020551.41 E:376070.89 Z:94.31

NORTHING:

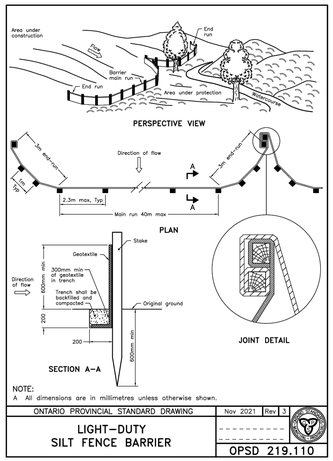
ISSUED FOR - REVISION:

5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
3		2026-03-26	ISSUED FOR BUILDING PERMIT
2		2026-02-11	REVISED PER CITY COMMENTS
1		2025-12-05	ISSUED FOR SPA
IS	RR	DATE	DESCRIPTION

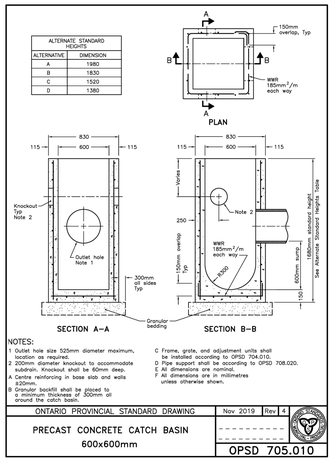
PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE:
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z./D.Y.
DISCIPLINE: CIVIL
TITLE: NOTES AND LEGEND
SHEET NUMBER: C01
SHEET #: OF
ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164



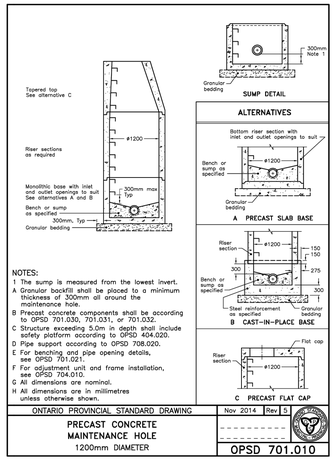
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
LIGHT–DUTY SILT FENCE BARRIER		
	OPSD 219.110	



ALTERNATE STANDARD HEIGHTS	
ALTERNATIVE	DIMENSION
A	1980
B	1830
C	1520
D	1380

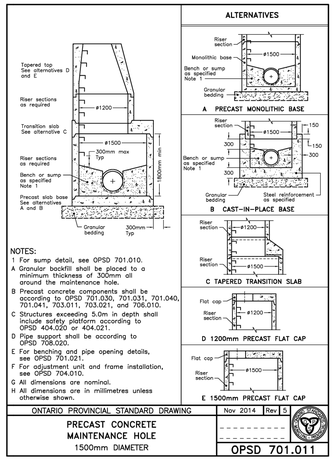
NOTES:
1 Outlet hole size 525mm diameter maximum, location as required.
2 200mm diameter knockout to accommodate subdrain. Knockout shall be 60mm deep.
A Centre reinforcing in base slab and walls ±20mm
B Granular backfill shall be placed to a minimum thickness of 300mm all around the catch basin.
C Frame, grate, and adjustment units shall be installed according to OPSD 704.010.
D Pipe support shall be according to OPSD 708.020.
E All dimensions are nominal.
F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2019	Rev 4
PRECAST CONCRETE CATCH BASIN 600x600mm		
	OPSD 705.010	



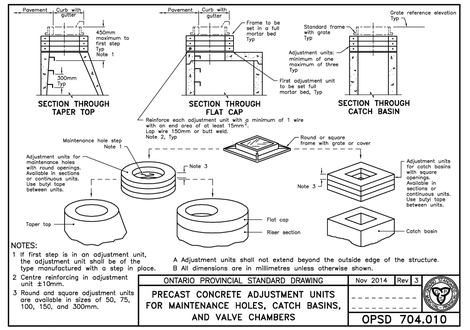
NOTES:
1 The sump is measured from the lowest invert.
A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
C Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
D Pipe support according to OPSD 708.020.
E For benching and pipe opening details, see OPSD 701.021.
F For adjustment unit and frame installation, see OPSD 704.010.
G All dimensions are nominal.
H All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 5
PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER		
	OPSD 701.010	



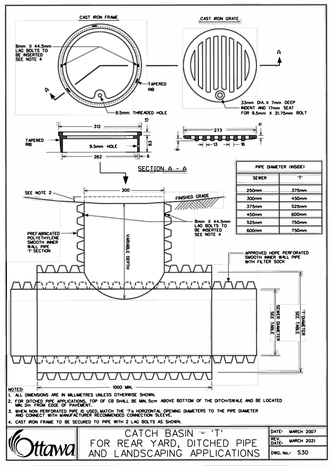
NOTES:
1 For sump detail, see OPSD 701.010.
A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
B Precast concrete components shall be according to OPSD 701.030, 701.031, 701.040, 701.041, 703.011, 703.021, and 706.010.
C Structures exceeding 5.0m in depth shall include safety platform according to OPSD 404.020 or 404.021.
D Pipe support shall be according to OPSD 708.020.
E For benching and pipe opening details, see OPSD 701.021.
F For adjustment unit and frame installation, see OPSD 704.010.
G All dimensions are nominal.
H All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 5
PRECAST CONCRETE MAINTENANCE HOLE 1500mm DIAMETER		
	OPSD 701.011	



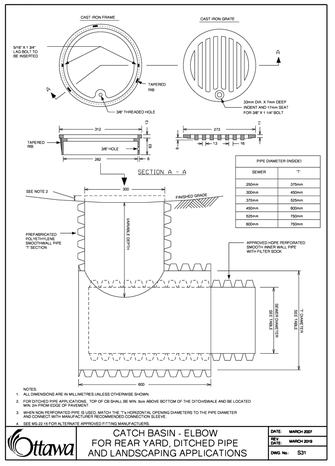
NOTES:
1 If first step is in an adjustment unit, the adjustment unit shall be of the type manufactured with a step in place.
2 Centre reinforcing in adjustment unit ±10mm.
3 Round and square adjustment units are available in sizes of 50, 75, 100, 150, and 300mm.
A Adjustment units shall not extend beyond the outside edge of the structure.
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
PRECAST CONCRETE ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS		
	OPSD 704.010	



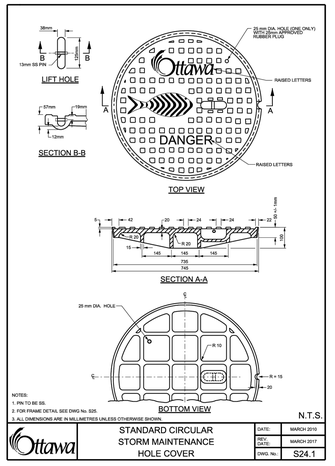
NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE "T"s HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER'S RECOMMENDED CONNECTION SLEEVE.
4. CAST IRON FRAME TO BE SECURED TO PIPE WITH 2 LAG BOLTS AS SHOWN.

Ottawa	CATCH BASIN – 'T' FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS	DATE: MARCH 2007 REV. DATE: MARCH 2021 DWG. No.: S30



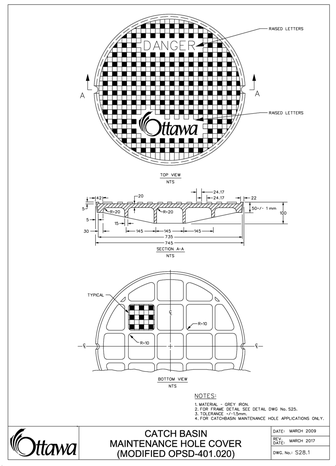
NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE "T"s HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER'S RECOMMENDED CONNECTION SLEEVE.
4. SEE #S.2.10 FOR ALTERNATE APPROVED FITTING MANUFACTURERS.

Ottawa	CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS	DATE: MARCH 2007 REV. DATE: MARCH 2019 DWG No.: S31



NOTES:
1. PIN TO BE SS.
2. FOR FRAME DETAIL SEE DWG No. S25.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

Ottawa	STANDARD CIRCULAR STORM MAINTENANCE HOLE COVER	DATE: MARCH 2010 REV. DATE: MARCH 2017 DWG No.: S24.1



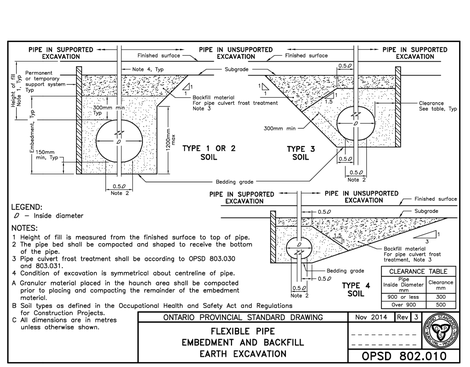
NOTES:
1. MATERIAL - GREY IRON.
2. FOR FRAME DETAIL SEE DETAIL DWG No. S25.
3. TOLERANCE +/-1mm.
4. FOR CATHODIC MAINTENANCE HOLE APPLICATIONS ONLY.

Ottawa	CATCH BASIN MAINTENANCE HOLE COVER (MODIFIED OPSD-401.020)	DATE:- MARCH 2009 REV. DATE:- MARCH 2017 DWG. No.:- S28.1

NOTES:
1 All hinge brackets and mounting brackets shall be welded all around to support angle.
A All aluminum in contact with concrete shall be thoroughly coated with asphalt paint.
B Maintenance hole depth between 5.0m and 10.0m, grate shall be placed at midpoint. Maintenance hole depth between 10.0m and 15.0m, grates shall be placed at third–points.
C All fasteners shall be 304 stainless steel.
D All welding shall be according to CSA W47.2 and W59.2.
E All aluminum components shall be 6000 series structural aluminum.
F All dimensions are in millimetres unless otherwise shown.

MH Diameter	No. of Grates	a	b	c	d	e	f	g
1200	2	900	850	850	225	352	65	12
1500	2	1128	1078	1078	311	419	65	12
1800	3	1344	1293	1293	508	360	65	12
2400	4	1774	1724	1724	401	360	65	12

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2018	Rev 4
ALUMINUM SAFETY PLATFORM FOR CIRCULAR MAINTENANCE HOLES		
	OPSD 404.020	



NOTES:
1 Height of fill is measured from the finished surface to top of pipe.
2 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.
4 Condition of excavation is symmetrical about centreline of pipe.
5 Embedment material shall be wrapped in non–woven geotextile when specified.
A Granular material placed in the haunch area shall be compacted prior to placing and compacting the remainder of the embedment material.
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
C Fractured rock shall be treated as Type 1 soil.
D All dimensions are in metres unless otherwise shown.

LEGEND:
Ø – Inside diameter
* – Type 1 or 2 soil
** – Type 3 soil
*** – Type 4 soil

CLEARANCE TABLE	
Pipe Inside Diameter mm	Clearance mm
900 or less	300
Over 900	500

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL ROCK EXCAVATION		
	OPSD 802.013	

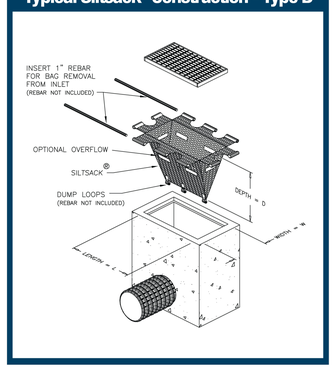
LEGEND:
Ø – Inside diameter

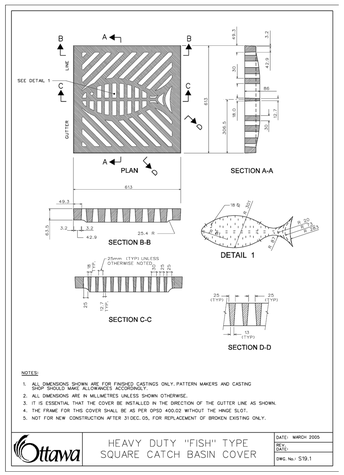
NOTES:
1 Height of fill is measured from the finished surface to top of pipe.
2 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.
4 Condition of excavation is symmetrical about centreline of pipe.
A Granular material placed in the haunch area shall be compacted prior to placing and compacting the remainder of the embedment material.
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
C All dimensions are in metres unless otherwise shown.

CLEARANCE TABLE	
Inside Pipe Diameter mm	Clearance mm
900 or less	300
Over 900	500

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION		
	OPSD 802.010	

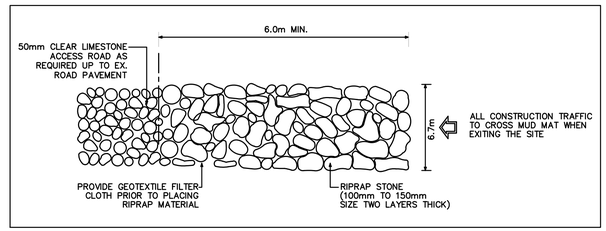
Typical Siltsack® Construction - Type B





NOTES:
1. ALL DIMENSIONS SHOWN ARE FOR FINISHED CASTINGS ONLY. PATTERN MAKERS AND CASTING SHOP SHOULD MAKE ALLOWANCES ACCORDINGLY.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
3. IT IS ESSENTIAL THAT THE COVER BE INSTALLED IN THE DIRECTION OF THE GUTTER LINE AS SHOWN.
4. THE FRAME FOR THIS COVER SHALL BE AS PER OPSD 400.02 WITHOUT THE HINGE SLOT.
5. NOT FOR NEW CONSTRUCTION AFTER 31-DEC-05, FOR REPLACEMENT OF BROKEN EXISTING ONLY.

Ottawa	HEAVY DUTY "FISH" TYPE SQUARE CATCH BASIN COVER	DATE: MARCH 2005 REV.: DWG. No.: S19.1



1 C02 MUD MAT DETAIL
SCALE: N.T.S

CLIENT:
Écoles catholiques Centre-Est

CLIENT REF. #:

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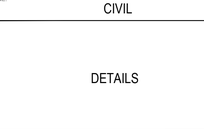
CECCE LEITRIM ELEMENTARY SCHOOL
3290 FINDLAY CREEK
OTTAWA, ON
CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:


SEAL:
LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

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BEARING NOTE:
BEARING ARE GRID, DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 REGISTERED PLAN 4M-1624 SHOWN TO BE N55°24'20"E AND ARE REFERRED TO THE CONTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)
BENCHMARK #1 N 5020554.33 E 375878.61 Z 95.08
BENCHMARK #2 N 5020521.41 E 376079.89 Z 94.31

NORTHING:

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
3		2026-03-26	ISSUED FOR BUILDING PERMIT
2		2026-02-11	REVISED PER CITY COMMENTS
1		2025-12-05	ISSUED FOR SPA

PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE:
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z./D.Y.
DISCIPLINE: CIVIL
TITLE: DETAILS
SHEET NUMBER: C02
SHEET #: OF
ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164

SITE BENCHMARK No. 1
Fire Hydrant
Top of Spindle
Elev=93.08

SITE BENCHMARK No. 2
Fire Hydrant
Top of Spindle
Elev=94.31

FINDLAY CREEK DRIVE

REMOVE EXISTING CURB

REMOVE EXISTING C/CB GRATE, TO BE REPLACE WITH REGULAR STREET CB GRATE, AS PER CITY STANDARD S19.1, NEW T/G = 92.72

REMOVE EXISTING ASPHALT PAVEMENT

REMOVE EXISTING SIDEWALK

REMOVE EXISTING CURB

REMOVE EXISTING SIDEWALK

REMOVE EXISTING STORM SEWER AND CAPPEDAT PROPERTY LINE

PLACETTE TRIDENT MEWS

BLOCK 258

BLOCK 224

BLOCK 225

BLOCK 226

part 72 plan 4r-32996
Subject to easement
inst. oc225819?

Meters
15 0 15 30
1:300

Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:

EDWARD J CUHACI
& ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

wsp
300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT:

CECCE LEITRIM ELEMENTARY SCHOOL

3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU
CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:

SEAL:

LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

DISCLAIMER: COPYRIGHT:

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BEARING NOTE:

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BENCHMARK #1 N 5020504.33 E 375978.61 Z 95.08
BENCHMARK #2 N 5020551.41 E 376070.89 Z 94.31

NORTHING:

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
3		2026-03-26	ISSUED FOR BUILDING PERMIT
2		2026-02-11	REVISED PER CITY COMMENTS
1		2025-12-05	ISSUED FOR SPA

PROJECT NO: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z./ D.Y.

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm

DISCIPLINE: CIVIL

TITLE: REMOVAL PLAN

SHEET NUMBER: C03
SHEET #: OF

ISSUE: ISSUED FOR TENDER
DATE OF: 2026-04-27
REV #: 5

#19409

D07-12-25-0164

FINDLAY CREEK DRIVE

SITE BENCHMARK No. 2
Fire Hydrant
Top of Spindle
Elev=94.31

SITE BENCHMARK No. 1
Fire Hydrant
Top of Spindle
Elev=93.08

NEW TWO STOREY ELEMENTARY SCHOOL
NOUVELLE ÉCOLE ÉLÉMENTAIRE
DEUX ÉTAGES
GROUND FLOOR ELEVATION: 93.45m
ÉLÉVATION DU REZ-DE-CHAUSSÉE : 93.45m
UNDERSIDE OF FOOTING: 91.50m
SOUS-FACE DE LA SEMELLE: 91.50m

FUTURE ADDITION

FUTURE PORTABLE CLASSROOM

SANMH200
T/G = 93.13m

SANMH201
T/G = 93.82m

STMH104
T/G = 94.08m

STMH103
T/G = 94.03m

STMH102(OGS)
T/G = 93.75m

STMH105
T/G = 93.07m

CBMH101
T/G = 92.90m

CBMH100
T/G = 92.50m

CB04
T/G = 92.70m

CB05
T/G = 92.75m

CB03
T/G = 92.50m

CB02
T/G = 92.50m

CB01
T/G = 92.50m

LD06
T/G = 92.75m

LD07
T/G = 92.75m

LD08
T/G = 92.75m

LD09
T/G = 92.90m

LD10
T/G = 92.95m

LD11
T/G = 92.85m

100 YR PONDING LIMIT @ 92.75

TIE INTO EX. GRADES ALONG PROPERTY LINE

BLOCK 224

BLOCK 225

BLOCK 226

PLACETTE TRIDENT MEWS

Meters
15 0 15 30
1:300

CLIENT:

Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:

EDWARD J CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
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wsp

300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT:

CECCE LEITRIM ELEMENTARY SCHOOL

3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU
CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:

SEAL:

LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

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BENCHMARK #1 N:5020504.33 E:375878.61 Z:95.08
BENCHMARK #2 N:5020557.41 E:376070.89 Z:94.31

NORTHING:

ISSUED FOR - REVISION:

5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
3		2026-03-26	ISSUED FOR BUILDING PERMIT
2		2026-02-11	REVISED PER CITY COMMENTS
1		2025-12-05	ISSUED FOR SPA
ID	RE	DATE	DESCRIPTION

PROJECT NO: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z / D.Y.

DISCIPLINE: CIVIL

TITLE: GRADING PLAN

SHEET NUMBER: C04
SHEET #: OF

ISSUE: ISSUED FOR TENDER
DATE OF: 2026-04-27
REV #: 5

#19409

D07-12-25-0164

SITE BENCHMARK No. 1
Fire Hydrant
Top of Spindle
Elev=93.08

SITE BENCHMARK No. 2
Fire Hydrant
Top of Spindle
Elev=94.31

FINDLAY CREEK DRIVE

ROAD CUTAREA OF 27.33m² TO BE REINSTATED AS PER CITY STANDARD R10

CONNECT TO EXISTING 250mmØ WATERMAIN WITH 250mm x 200mm TEE CONNECTION AS PER CITY DETAIL W25.1 BY CITY FORCE.

RELOCATE EXISTING CB, CHANGE CICB GRATE TO STREET CB GRATE AS PER CITY STD S19.1. NEW T/G=92.92.

NEW ENTRANCE TO BE INSTALLED PER CITY STANDARD SC7.1.

RELOCATE EX. STREETLIGHT

RELOCATE EX. STREETLIGHT

RELOCATE EXISTING CB, CHANGE CICB GRATE TO STREET CB GRATE AS PER CITY STD S19.1. NEW T/G=93.10.

STMH104
T/G = 94.08m
INV. SE = 90.05m
INV. NW = 89.83m

SANMH201
T/G = 93.82m
INV. E = 91.18m
INV. NW = 91.12m

REMOVE EX.CAP AND CONNECT TO EX.WATERMAIN

NEW 200mmØ PVC WATERMAIN

200mm VB

NEW 200mmØ PVC WATERMAIN

NEW 3.27m - 600mmØ CONC STM @ 0.20%

STMH103
T/G = 94.03m
INV. SE = 90.08m
INV. NW = 90.06m
INV. E = 90.36m

NEW 6.24m - 600mmØ CONC STM @ 0.15%

STMH102(OGS)
T/G = 93.75m
INV. E = 90.12m
INV. NW = 90.09m

NEW 66.61m - 200mmØ PVC SAN @ 0.35%

NEW 70.31m - 300mmØ CONC STM @ 0.60%

NEW 36.15m - 600mmØ CONC STM @ 0.15%

NEW 3.40m - 200mmØ PVC SAN @ 1.00%

SANMH200
T/G = 93.13m
INV. NE = 91.43m
INV. W = 91.41m

CONNECT TO BUILDING SANITARY SERVICE,C/W BACKFLOW PREVENTOR (REFER TO MECH DWG FOR CONTINUATION)
INV.=91.50

CONNECT TO BUILDING WATER SERVICE (REFER TO MECH DWG FOR CONTINUATION) TOP OF WATERMAIN = 91.05

NEW 4.82m - 300mmØ PVC STM @ 1.00%

CONNECT TO BUILDING FOUNDATION DRAIN, C/W BACKFLOW PREVENTOR (REFER TO MECH DWG FOR CONTINUATION)
INV =90.85

CONNECT ROOF DRAIN TO BUILDING STORM SERVICE (REFER TO MECH DWGFOR CONTINUATION)
INV.=90.85

NEW TWO STOREY ELEMENTARY SCHOOL
NOUVELLE ÉCOLE ÉLÉMENTAIRE
DEUX ÉTAGES
GROUND FLOOR ELEVATION: 93.45m
ÉLÉVATION DU REZ-DE-CHAUSSÉE : 93.45m
UNDERSIDE OF FOOTING: 91.50m
SOUS-FACE DE LA SEMELLE: 91.50m

NEW 1.95m - 200mmØ PVC STM @ 1.00%

INV. N = 91.00m

CBMH101
C/W ICD 309mmØ
T/G = 92.90m
INV. E = 89.99m
INV. W = 90.17m
INV. NE = 90.99m
INV. S = 90.63m

NEW 31.29m - 200mmØ PVC STM @ 1.00%

CB04
T/G = 92.70m
INV. SW = 91.30m

NEW 5.5m - 300mmØ PVC STM @ 1.00%

STMH105
T/G = 93.07m
INV. NE = 90.80m
INV. W = 90.78m
INV. E = 90.80m

NEW 26.71m - 200mmØ PVC STM @ 1.00%

NEW 24.95m - 375mmØ PVC STM @ 0.65%

CBMH100
T/G = 92.50m
INV. E = 90.63m
INV. SE = 90.81m
INV. W = 90.22m
INV. NE = 91.30m

INV. SW = 91.48m

NEW 17.67m - 200mmØ PVC STM @ 1.02%

NEW 47.51m - 300mmØ PVC STM @ 1.90%

NEW 28.78m - 200mmØ PVC STM @ 1.00%

CB03
T/G = 92.50m
INV. NW = 91.10m

CB02
T/G = 92.50m
INV. W = 91.10m
INV. NE = 91.11m

NEW 61.18m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

CB01
T/G = 92.50m
INV. N = 91.42m

NEW 23.51m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

LD09
T/G = 92.90m
INV. SE = 91.83m

NEW 27.49m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

LD10
T/G = 92.95m
INV. NW = 91.69m
INV. SE = 91.69m

NEW 30.23m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

LD11
T/G = 92.85m
INV. NW = 91.54m
INV. S = 91.54m

FUTURE ADDITION

FUTURE PORTABLE CLASSROOM

LD06
T/G = 92.75m
INV. SE = 91.28m
INV. NE = 91.28m

NEW 64.97m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

CB05
T/G = 92.75m
INV. N = 90.90m
INV. SE = 90.95m
INV. SW = 90.95m

NEW 45.60m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

NEW 45.60m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

NEW 64.98m - 250mmØ HDPE PERFORATED SUDRAIN @ 0.50%

LD07
T/G = 92.75m
INV. NE = 91.50m
INV. NW = 91.50m

LD08
T/G = 92.75m
INV. NW = 91.18m
INV. SW = 91.18m

BLOCK 224

BLOCK 225

BLOCK 226

PLACETTE TRIDENT MEWS

PART 18 PART 19 PART 21

SUBJECT TO EASEMENT INST. OC2153693

SUBJECT TO EASEMENT INST. OC2153693

SUBJECT TO EASEMENT INST. OC2153693

SUBJECT TO EASEMENT INST. OC2218967

SUBJECT TO EASEMENT INST. OC2142187

SUBJECT TO EASEMENT INST. OC2138827

SUBJECT TO EASEMENT INST. OC2093472, OC2093474, OC2093476 AND OC2093683

PLAN 4R – 32476

PLAN 4R – 32014

PLAN 4R – 32020

PLAN 4r – 32317

Meters
15 0 15 30
1:300

CLIENT:
Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:
EDWARD J CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

wsp
300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT:
CECCE LEITRIM ELEMENTARY SCHOOL
3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:

SEAL:
LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

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BENCHMARK #1 N 5020504.33 E 375078.61 Z 95.08
BENCHMARK #2 N 5020551.41 E 376070.89 Z 94.31

NORTHING:

ISSUED FOR - REVISION:

5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
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IS	RE	DATE:	DESCRIPTION

PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE
25mm
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z / D.Y.

DISCIPLINE: CIVIL

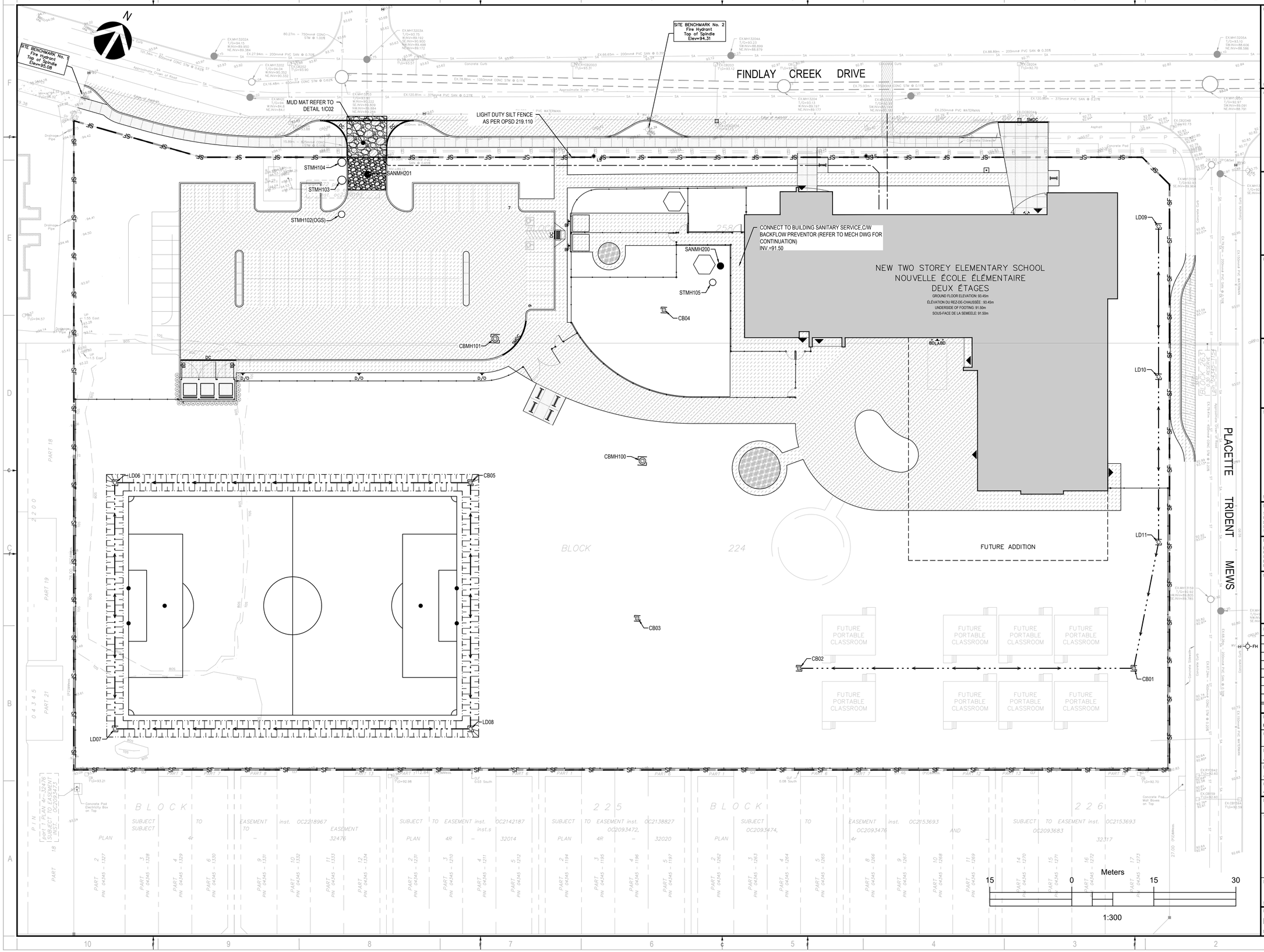
TITLE: SERVICING PLAN

SHEET NUMBER: C05
SHEET #: OF

ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164



CLIENT:

Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:

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wsp

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OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT:

CECCE LEITRIM ELEMENTARY SCHOOL

3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU
CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:

SEAL:

LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

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BENCHMARK #1 N 5020504.33 E 370978.61 Z 95.08
BENCHMARK #2 N 5020551.41 E 376070.89 Z 94.31

NORTHING:

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PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z./ D.Y.
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE
25mm

DISCIPLINE: CIVIL

TITLE:

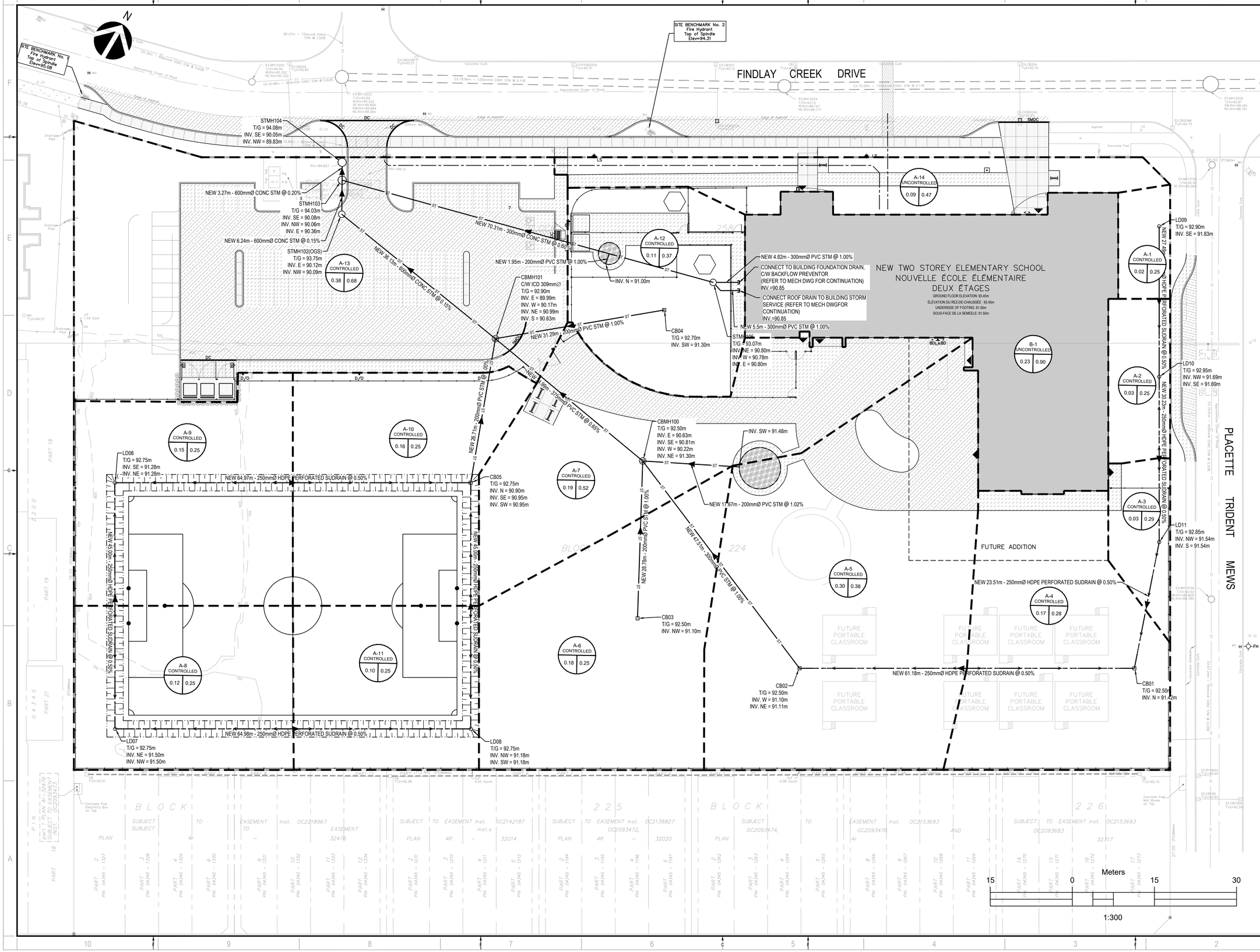
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER: C06
SHEET #: OF

ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164



CLIENT:

Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
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OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

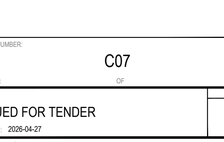
PROJECT:

CECCE LEITRIM ELEMENTARY SCHOOL

3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU
CENTRE-EST 4000, RUE LABELLE,
OTTAWA, ON K1J 1A1

KEY PLAN:



SEAL:

LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

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BENCHMARK #1 N 5020504.33 E 370978.61 Z 95.08
BENCHMARK #2 N 5020551.41 E 376070.89 Z 94.31

NORTHING:

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
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PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z / D.Y.
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE
25mm

DISCIPLINE: CIVIL

TITLE: POST-DRAINAGE AREA PLAN

SHEET NUMBER: C07
SHEET #: OF

ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164

SITE BENCHMARK No. 1
Fire Hydrant
Top of Spindle
Elev=93.08

SITE BENCHMARK No. 2
Fire Hydrant
Top of Spindle
Elev=94.31

FINDLAY CREEK DRIVE

NEW TWO STOREY ELEMENTARY SCHOOL
NOUVELLE ÉCOLE ÉLÉMENTAIRE
DEUX ÉTAGES
GROUND FLOOR ELEVATION: 93.45m
ÉLÉVATION DU REZ-DE-CHAUSSÉE : 93.45m
UNDERSIDE OF FOOTING: 91.50m
SOUS-FACE DE LA SEMELLE: 91.50m

FUTURE ADDITION

FUTURE PORTABLE CLASSROOM

PLACETTE TRIDENT MEWS

BLOCK 224

BLOCK 225

BLOCK 226

PART 18 – 5R-7676 SUBJECT TO EASEMENT INST. OC2093472

PART 19 (Accessible) – 0 4 3 4 5 – PART 21 (Not Under Construction Area)

SUBJECT TO EASEMENT inst. OC2218967
SUBJECT TO EASEMENT 32476
SUBJECT TO EASEMENT inst. OC2142187
SUBJECT TO EASEMENT inst. OC2138827 OC2093472, inst.s 32014
SUBJECT TO EASEMENT inst. OC2153693 OC2093474, OC2093476 AND OC2093683
SUBJECT TO EASEMENT inst. OC2153693 32317

Meters
15 0 15 30
1:300

CLIENT:
Écoles catholiques Centre-Est

CLIENT REF. #:

ARCHITECT:
EDWARD J CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

wsp
300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT:
CECCE LEITRIM ELEMENTARY SCHOOL
3290 FINDLAY CREEK
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE, OTTAWA, ON K1J 1A1

KEY PLAN:

SEAL:
LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-04-27
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED AND DATED

DISCLAIMER: COPYRIGHT
THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WSP. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.
THIS DRAWING IS NOT TO BE SCALED.

BEARING NOTE:
BEARINGS ARE GRID, DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224, REGISTERED PLAN 4M-1624 SHOWN TO BE N59°24'20"E AND ARE REFERRED TO THE CONTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL).
BENCHMARK #1 N:5020504.33 E:370978.61 Z:95.08
BENCHMARK #2 N:5020551.41 E:376070.89 Z:94.31

NORTHING:

ISSUED FOR - REVISION:

IS	RE	DATE:	DESCRIPTION
5		2026-04-27	ISSUED FOR TENDER
4		2026-04-23	ISSUED FOR TENDER
3		2026-03-26	ISSUED FOR BUILDING PERMIT
2		2026-02-11	REVISED PER CITY COMMENTS
1		2025-12-05	ISSUED FOR SPA

PROJECT NO.: CA0058595.7684
DATE: 2026-04-27
ORIGINAL SCALE: 1:300
DESIGNED BY: A.Z.
DRAWN BY: J.T.
CHECKED BY: A.Z / D.Y.
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE
25mm

DISCIPLINE: CIVIL

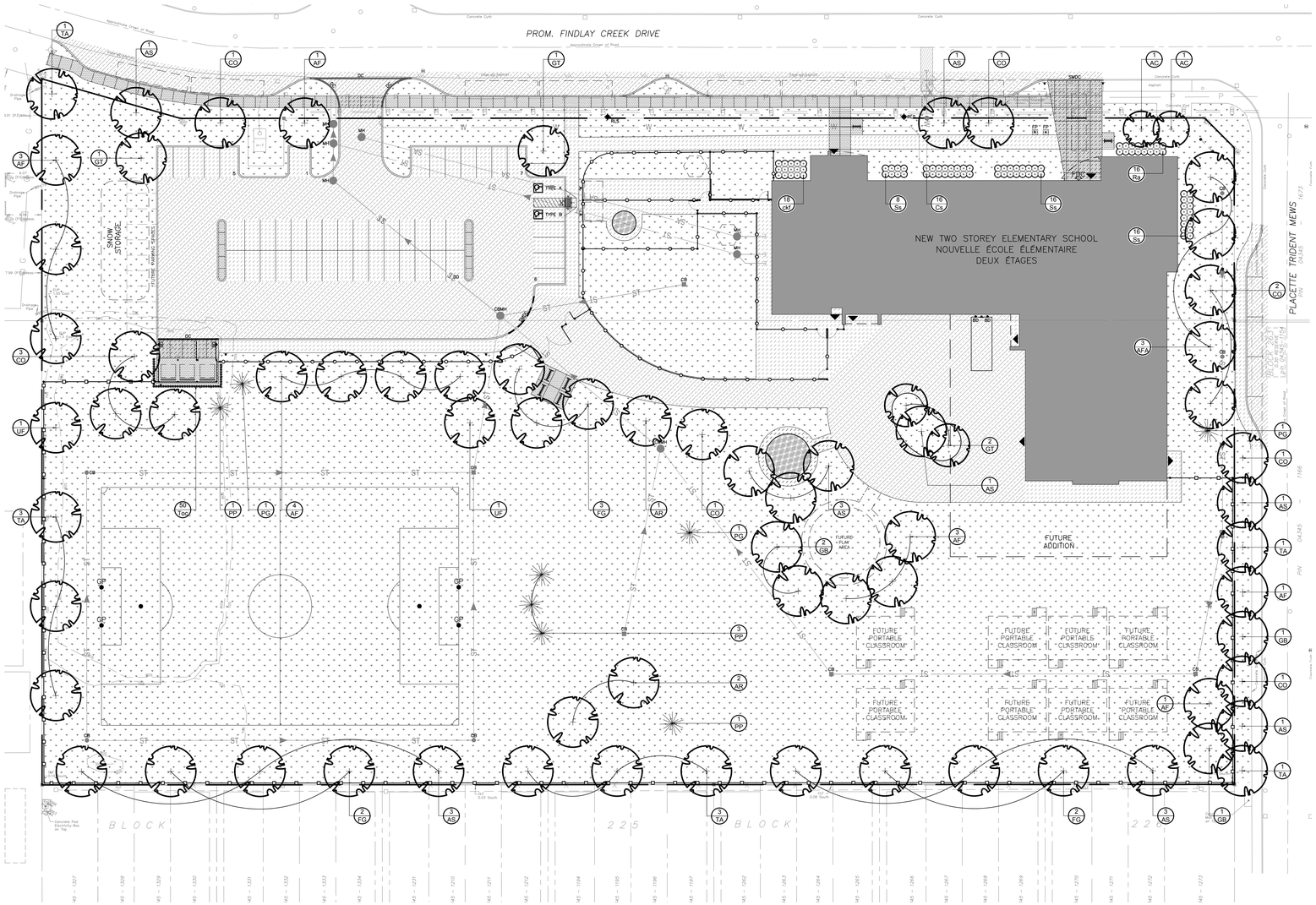
TITLE: ROOF DRAINAGE AREA PLAN

SHEET NUMBER: C08
SHEET #: OF

ISSUE: ISSUED FOR TENDER
REV.#: 5
DATE OF: 2026-04-27

#19409

D07-12-25-0164



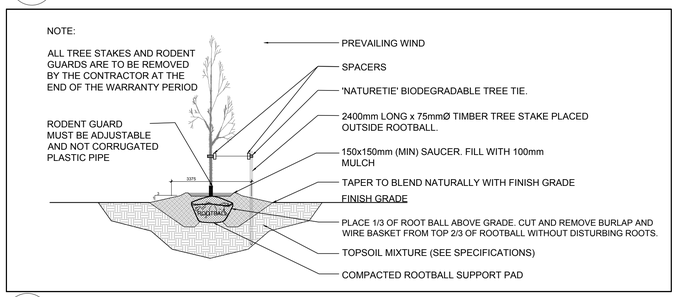
1 L.1 LANDSCAPE PLAN
SCALE 1:400

GENERAL NOTES:

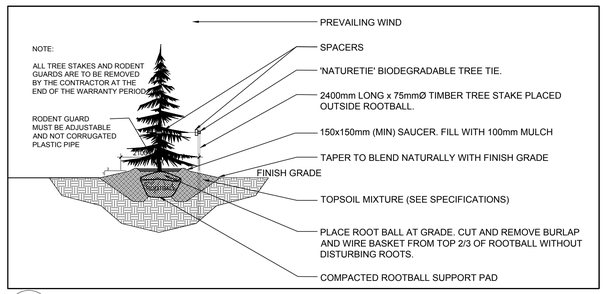
1. It is the responsibility of the appropriate contractor or official to report any errors, omissions or discrepancies on this plan with actual site conditions to the Landscape Architect before proceeding with construction.
2. The contractor is to notify all utility companies and authorities prior to any excavation and ascertain locations of underground services.
3. The contractor is to reinstate all areas and items damaged as a result of construction activity.
4. The contractor is to comply with all pertinent codes and by-laws.
5. The contractor is to maintain a positive surface run-off throughout the entire construction period.
6. The Landscape Architect is not responsible for subsurface conditions.
7. The contractor is to identify all existing trees to remain on site with the Landscape Architect prior to construction.
8. The contractor is to stake the proposed location of all plant material in conjunction with the Landscape Architect prior to excavation.
9. Minimum distances for selected deciduous trees are as follows:
   - Building Foundations 7.5m
   - Sidewalks 1.5m
   - Public Streets 2.5m
   - Underground Infrastructure 2.0m
10. All trees within 1m of underground utility trenches are to be excavated by hand.
11. Remove all protective wrapping from tree trunks after installation.
12. Staking of trees shall only be performed if necessary.
13. Ensure that mulch is pulled back a min. distance of 75mm from base of tree trunk.

PROPOSED PLANT LIST (QTY. KEY)

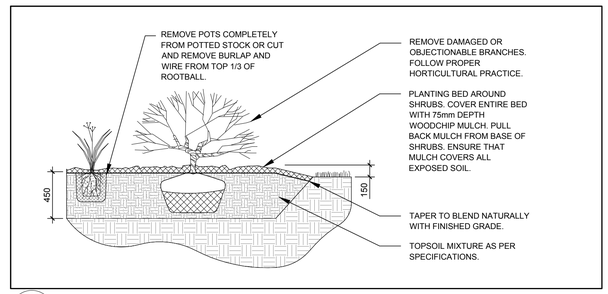
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
TREES						
AC	2	*Amelanchier canadensis*	Serviceberry	50mm cal.	B&B	Single leader, small tree
AR	3	*Acer rubrum*	Red Maple	50mm cal.	B&B	Large tree
AS	14	*Acer saccharum*	Sugar Maple	50mm cal.	B&B	Large tree
AF	13	*Acer x freemanii*	Freeman's Maple	50mm cal.	B&B	Large tree
AFA	3	*Acer x Freemanii* 'Armstrong'	Armstrong Maple	50mm cal.	B&B	Columnar tree
CO	10	*Celtis occidentalis*	Hackberry	50mm cal.	B&B	Large tree
FG	5	*Fagus grandifolia*	American Beech	50mm cal.	B&B	Large tree
GB	4	*Ginkgo biloba*	Maidenhair Tree	50mm cal.	B&B	Large tree, Male tree
GT	4	*Gleditsia triacanthos*	Honey Locust	50mm cal.	B&B	Medium tree
PG	3	*Picea glauca*	White Spruce	2m ht.	B&B	Large coniferous tree
PP	5	*Picea pungens*	Colorado Spruce	2m ht.	B&B	Large coniferous tree
TA	9	*Tilia americana*	Basswood	50mm cal.	B&B	Large tree
UF	2	*Ulmus* × 'Frontier'	Frontier Elm	50mm cal.	B&B	Large tree
SHRUBS						
Cs	16	*Cornus sericea*	Red Osier Dogwood	800 mm ht.	Potted	Space 1200 mm o.c.
Ra	16	*Ribes alpinum*	Alpine Currant	800 mm ht.	Potted	Space 1200 mm o.c.
Ss	40	*Sorbaria sorbifolia* 'Sem'	Sem False Spirea	600mm ht.	Potted	Space 1000 mm o.c.
Toc	50	*Thuja occidentalis* 'Clumps'	Native White Cedar Clumps	2000mm ht.	Potted	Space 600 mm o.c.
ORNAMENTAL GRASSES						
ckf	18	*Calamagrostis* 'Karl Foerster'	Karl Foerster Grass	250mm pot	Potted	Space 800 mm o.c.



2 L.1 DECIDUOUS TREE PLANTING
SCALE: NTS



3 L.1 CONIFEROUS TREE PLANTING
SCALE: NTS



4 L.1 SHRUB / ORNAMENTAL GRASS PLANTING
SCALE: NTS

CLIENT:
Écoles catholiques Centre-Est
CECCE
4000 LABELLE STREET
OTTAWA ON, K1J 1A1

CONSULTANTS

ARCHITECTS:
EDWARD J. CUHACI
& ASSOCIATES ARCHITECTS INC.
171 SLATER ST, SUITE 100, OTTAWA, ONTARIO, K1P 5H7
Tel : (613) 236-7135

CIVIL ENGINEERS:
Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS
150 Morrison Drive, Suite 410, Ottawa, ONT.
Phone: (613) 828-7800 Fax: (613) 828-2600

LEGEND
- PROPOSED CONCRETE PAVING - SEE ARCHITECTURAL
- PROPOSED HEAVY DUTY ASPHALT - SEE ARCHITECTURAL
- PROPOSED LIGHT DUTY ASPHALT - SEE ARCHITECTURAL
- PROPOSED ENGINEERED WOOD FIBRE
- PROPOSED SOD
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS / ORNAMENTAL GRASSES
- PROPERTY LINE

LEGAL DESCRIPTION: BLOCK 258; REGISTERED PLAN 4M-1659; BLOCK 224; REGISTERED PLAN 4M-1624, CITY OF OTTAWA
P.I.N. 04345-1624, 04345-1114

No.	Issue	Date MM/DD/YY	DR	CK
4	ISSUED FOR TENDER	04/23/2026	ML	JL
3	ISSUED FOR BUILDING PERMIT	03/27/2026	ML	JL
2	REVISED PER CITY COMMENTS	02/10/2026	ML	JL
1	ISSUED FOR SITE PLAN CONTROL	12/08/2025	ML	JL

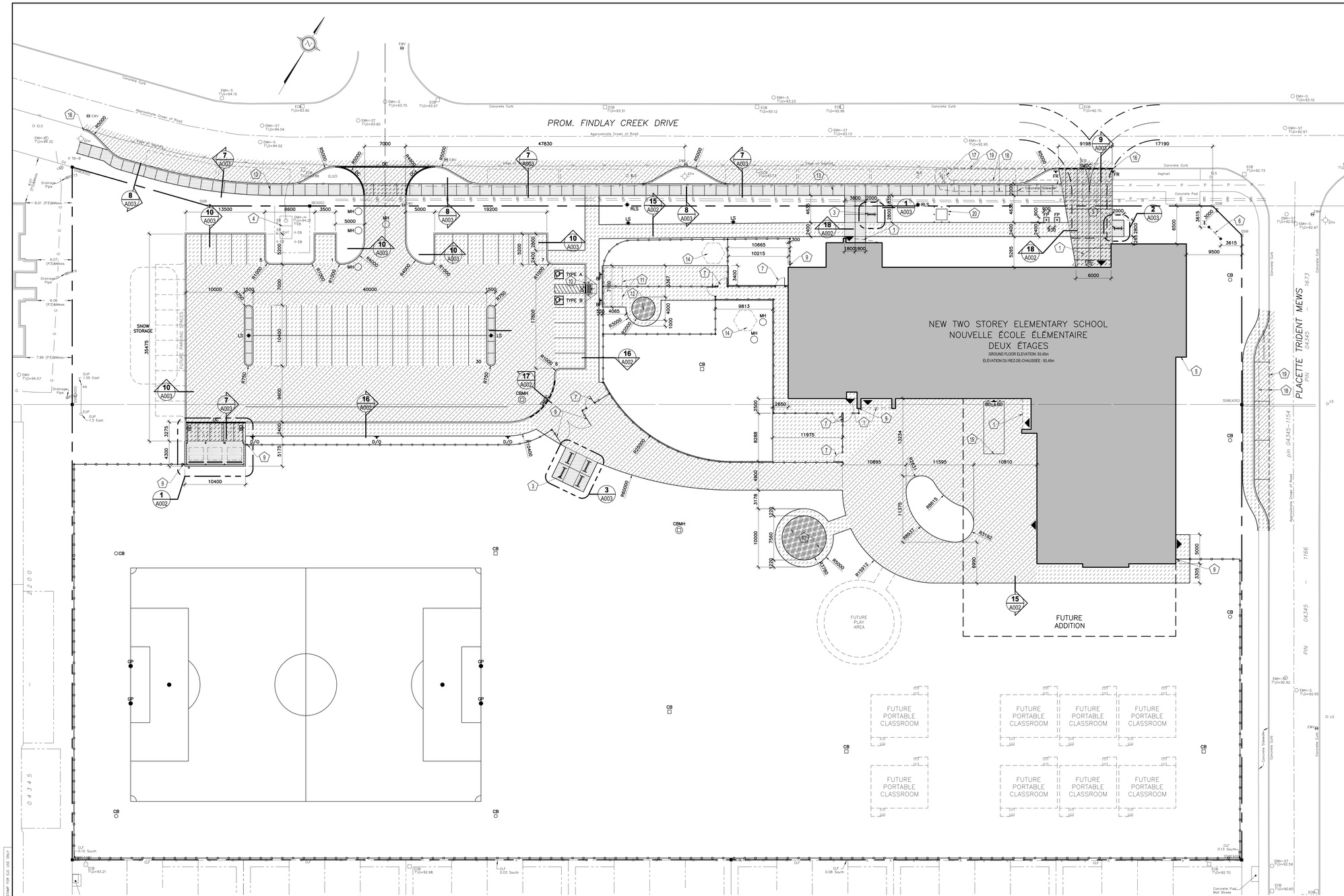
JAMES B. LENNOX & ASSOCIATES INC.
LANDSCAPE ARCHITECTS
3332 CARLING AVE. OTTAWA, ONTARIO K2H 5A8
Tel. (613) 722-5168 **Fax. 1(866) 343-3942**

PROJECT
École élémentaire Catholique Leitrim
3290 Findlay Creek Drive,
Ottawa ON K1T 0T2

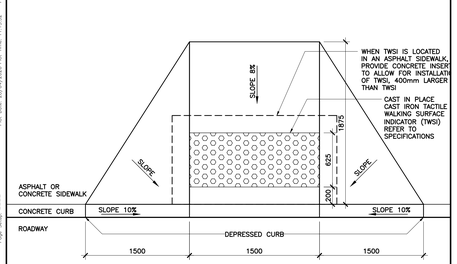
DRAWING
LANDSCAPE PLAN

STAMP
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
JAMES B. LENNOX
Member

SCALE: AS SHOWN
START DATE: NOVEMBER 2025
PROJECT NO.: 26EJC2606
PROJECT NORTH
DRAWING NO.: L.1
PLOT SIZE ARCH-D



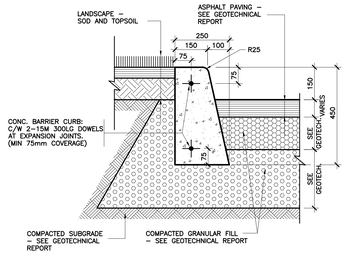
1 SITE PLAN
A001 1:250



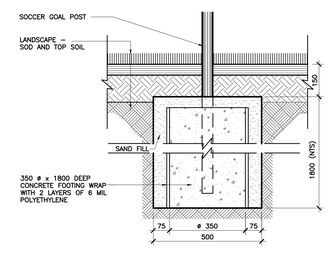
2 TACTILE WALKING SURFACE INDICATOR
A001 1:25

NOTE:
SIGN SHALL MEET THE REQUIREMENTS OF CITY OF OTTAWA BY-LAW.

3 BARRIER-FREE PARKING SIGN
A001 1:10



4 CONCRETE CURB AT GRASS
A001 1:10



5 SOCCER POST
A001 1:10

SITE PLAN NOTES

1. CANOPY OR 2nd FLOOR ABOVE.
2. ALIGN WITH BUILDING WALLS.
3. BICYCLE RACK.
4. EXISTING TRANSFORMER/SWITCHGEAR ON CONCRETE PAD C/W BOLLARDS
5. GAS STATION CONCRETE PAD C/W CHAIN LINK FENCE AND TOP AS PER ENBRIDGE STANDARDS. COORDINATE LOCATION AND SIZE WITH MECHANICAL DRAWINGS AND ENBRIDGE.
6. SCHOOL SIGN, SEE DETAIL 7/A002.
7. NEW 1500mm WIDE GATE IN CHAIN LINK FENCE, SEE DETAIL 9/A002.
8. NEW 6000mm WIDE DOUBLE GATE IN CHAIN LINK FENCE, C/W FOOTBOLT REST, SEE DETAIL 9/A002.
9. CHAIN LINK FENCE CANTILEVERED END SECTION, SEE DETAIL 10/A002.
10. CURB RAMP WITH FLARED SIDES AND DETECTABLE HAZARD INDICATOR, CONSTRUCTED TO CITY OF OTTAWA STANDARDS, SEE DETAIL 2/A001 AND SPECIFICATIONS.
11. FUTURE STORAGE SHED N.I.C.
12. ENGINEERED WOOD FIBER PLAY AREA, SEE DETAIL 14/A002.
13. TYPICAL CONCRETE PAVING SAW–CUT JOINT AT MAXIMUM 2400mm OR AS SHOWN ON DRAWINGS.
14. FUTURE SAND BOX N.I.C.
15. LOADING AREA, 3.5m X 9.0m
16. TIE NEW CONCRETE CURB TO EXISTING CONCRETE CURB.
17. REMOVE EXISTING ASPHALT PAVEMENT
18. REMOVE EXISTING CONCRETE SIDEWALK
19. REMOVE EXISTING CONCRETE CURB
20. NEW TRANSFORMER/SWITCH GEAR CONCRETE PAD C/W BOLLARDS AS PER HYDRO ONE STANDARDS. COORDINATE LOCATION AND SIZE WITH ELECTRICAL DRAWINGS AND HYDRO ONE.

SITE DATA

SITE AREA	22,498.5 m²
FOOTPRINT	
NEW SCHOOL FOOTPRINT	2,316.2 m²
PORTABLES FOOTPRINT	571.0 m²
SCHOOL W/ PORTABLES FOOTPRINT	2,887.2 m²
GROSS FLOOR AREA (AS PER CITY OF OTTAWA ZONING BY-LAW DEFINITION)	
NEW SCHOOL G.F.A. (INCLUDING DAYCARE)	2,859.2 m²
PORTABLES GROSS FLOOR AREA	492.0 m²
SCHOOL W/ PORTABLES GROSS FLOOR AREA	3,351.2 m²

TOPOGRAPHICAL AND SURVEY INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
File: 20548-25 Bk258 PLI659 & Bk224 PL624 O F
LEGAL DESCRIPTION: BLOCK 258; REGISTERED PLAN 4M-1659; BLOCK 224; REGISTERED PLAN 4M-1624, CITY OF OTTAWA
P.I.N.: 04345-1624, 04345-1114

CITY OF OTTAWA ZONING

INSTITUTIONAL ZONE I1A (AREA D ON SCHEDULE 1)

CRITERIA	REQUIREMENT	PROVIDED
LOT WIDTH	MIN. 15 m	112.0 m
LOT AREA	MIN. 400 m²	22,498.5 m²
FRONT YARD SETBACK	MIN. 6.0 m	9.50 m
REAR YARD SETBACK	MIN. 7.5 m	122.61 m
INTERIOR SIDE YARD SETBACK	MIN. 3.0 m	50.11 m
CORNER SIDE YARD SETBACK	MIN. 4.5 m	5.53 m
HEIGHT OF BUILDING	MAX. 15 m	11.0 m
LANDSCAPING PROVISION FOR PARKING LOTS	MIN. 15%	24.4%

PARKING CALCULATIONS

MOTOR VEHICLE PARKING (TABLE 101)

REQUIRED	18 CLASSROOMS + 8 PORTABLE CLASSROOMS = 26 TOTAL			
	USE	No. CLASS	SPACES PER	SPACES REQ'D
	ELEMENTARY SCHOOL	18	1.5/classroom (includes portables)	27
	FUTURE PORTABLE CLASSROOMS	8		12
	DAYCARE	302.6 m²	2/ 100 m²	7
	TOTAL REQUIRED PARKING SPACES			46 SPACES
	REQUIRED ACCESSIBLE PARKING SPACES -TYPE A: -TYPE B:			1 SPACE 1 SPACE
PROVIDED	SPACES @ 5.2 m D X 2.6 m W			47 SPACES
	ACCESSIBLE PARKING SPACES -TYPE A @ 5.2 m D x 3.45 m W -TYPE B @ 5.2 m D x 2.45 m W			1 SPACE 1 SPACE
	TOTAL SPACES PROVIDED			49 SPACES

BICYCLE PARKING (TABLE 111A)

REQUIRED	USE	G.F.A.	SPACES PER	SPACES REQ'D
	SCHOOL	2,560.2 m²	1 per 100 m² of GFA	26 SPACES
	DAYCARE	302.6 m²	1 per 250 m² of GFA	2 SPACES
	PORTABLES	492 m²	1 per 100 m² of GFA	5 SPACES
	TOTAL REQUIRED BICYCLE PARKING SPACES			33 SPACES
PROVIDED	TOTAL BICYCLE SPACES PROVIDED			42 SPACES

LOADING SPACES

REQUIRED	USE	GROSS AREA	TABLE 113A	SPACES REQ'D
	SCHOOL	2,560.2 m²	COLUMN V	1
	TOTAL REQUIRED PARKING SPACES			1 SPACE
PROVIDED	TOTAL SPACES PROVIDED (3.5x7.0m)			1 SPACE

LEGEND

- BARRIER FREE PARKING
- BUILDING ENTRANCE/EXIT
- CURB
- DC — DEPRESSED CURB
- SMDC — SEMI–MOUNTABLE DEPRESSED CURB
- NEW VINYL COATED CHAIN LINK FENCE, 1220mm HIGH
- NEW VINYL COATED CHAIN LINK FENCE, 1830mm HIGH
- ROAD CENTER LINE
- FIRE ROUTE
- SET BACK LINE
- PROPERTY LOT LINE
- FR — FIRE ROUTE SIGN
- BF — BARRIER–FREE PARKING SIGN, SEE 3/A001
- D/O — DROP–OFF SIGN
- LA — LOADING AREA SIGN
- LS — NEW LIGHT STANDARD, SEE DETAIL 6/A003
- RLS — RELOCATED EXISTING LIGHT STANDARD
- IB/SIB/SSIB — EXISTING IRON BAR (REFER TO SURVEY)
- FDC — NEW FIRE DEPARTMENT CONNECTION
- GP — GOAL POST – SEE 5/A001
- RFH — RELOCATED EXISTING FIRE HYDRANT
- MH — NEW MAN HOLE (REFER TO CIVIL)
- CB — NEW CATCH BASIN (REFER TO CIVIL)
- FP — NEW FLAG POLE, SEE DETAIL 5/A003
- BD — NEW BOLLARD, SEE DETAIL 4/A003
- EFH — EXISTING FIRE HYDRANT TO REMAIN
- UP — EXISTING UTILITY POLE TO REMAIN
- AN — EXISTING GUY WIRE ANCHOR TO REMAIN
- CLF — EXISTING CHAIN LINK FENCE TO REMAIN
- ECB — EXISTING CATCH BASIN TO REMAIN
- EMH — EXISTING MANHOLE TO REMAIN
- EB — EXISTING BOLLARD TO REMAIN
- EHT — EXISTING HYDRO TRANSFORMER TO REMAIN
- X — EXISTING FENCE TO REMAIN
- ELS — EXISTING LIGHT STANDARD TO REMAIN
- XLS — EXISTING LIGHT STANDARD TO BE RELOCATED

GENERAL NOTES

1. EXTENT OF CONTRACT IS LIMITED TO WITHIN SCHOOL PROPERTY, EXCEPT WHERE SHOWN OTHERWISE.
2. ALL WORK OUTSIDE PROPERTY LINE TO BE CONSTRUCTED TO CITY OF OTTAWA CONSTRUCTION STANDARDS.
3. PARKING STALL SIZE: 2600mm x 5200mm ACCESSIBLE PARKING STALL SIZE: 3700mm x 5200mm
4. FOR LANDSCAPING/PLANTING DETAILS SEE DRAWING AS PREPARED BY JAMES B. LENNOX AND ASSOCIATES.
5. FOR SITE GRADING INFORMATION SEE GRADING AND DRAINAGE DRAWING AS PREPARED BY WSP.
6. FOR SITE SERVICES INFORMATION SEE SITE SERVICES DRAWING AS PREPARED BY WSP.
7. FOR SOIL INVESTIGATION REPORT REFER TO REPORT PREPARED BY EXP SERVICES INC.
8. SLOPES OF CONCRETE/PAVING AT DEPRESSED CURBS SHALL NOT EXCEED 5%
9. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY ERRORS TO THE ARCHITECT. CONTRACTOR TO COORDINATE WITH ALL DRAWINGS.
10. FOR SITE SURVEY INFORMATION, SEE TOPOGRAPHIC SURVEY DRAWINGS AS PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
11. PAINT PAVEMENT MARKINGS, PARKING SPACES AND TRAFFIC SYMBOLS. PEDESTRIAN CROSSINGS AND WHERE SHOWN ON DRAWINGS.
12. CONTRACTOR SHALL REINSTATE ALL AREAS AND SITE ITEMS LOCATED OUTSIDE THE PROPERTY LINE DAMAGED AS A RESULT OF NEW CONSTRUCTION.

LEGEND

- NEW TWO STOREY SECONDARY SCHOOL
- UNIT PAVERS WITH HEAVY DUTY BASE, SEE SPECIFICATIONS
- CONCRETE WALK
- CONCRETE WALK WITH HEAVY DUTY BASE
- TYPE 1 ASPHALT: HEAVY DUTY
- TYPE 2 ASPHALT: LIGHT DUTY
- NEW SOD AND TOPSOIL (REFER TO LANDSCAPE DRAWING)
- ENGINEERED WOOD FIBER

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/27	ISSUED FOR BUILDING PERMIT
2	0	2026/03/09	ISSUED FOR 70% SUBMISSION
1	0	2026/01/06	ISSUED FOR COORDINATION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC.

L'ARCHITECTE DÉCLINE TOUTE RESPONSABILITÉ DÉCOULANT DE PROBLÈMES FAISANT SUITE AU NON RESPECT DES PLANS ET DEVIS OU DE L'INTENTION DU CONCEPT QU'ILS TRANSMETTENT, OU DE TOUS PROBLÈMES POUVANT RÉSULTER DU DÉFAUT DE TIERS D'OBTENIR OU DE SUIVRE LES INSTRUCTIONS DE L'ARCHITECTE RELATIVEMENT AUX ERREURS, OMISSIONS, INCOHÉRENCES, AMBIGUÏTÉS OU CONTRADICTIONS ALLÉGUÉS.

L'ENTREPRENEUR DOIT VÉRIFIER TOUTES LES DIMENSIONS SUR PLACE ET INFORMER L'ARCHITECTE DE TOUT ÉCART AVANT LE DÉBUT DES TRAVAUX. NE PAS MESURER LES DESSINS À L'ÉCHELLE.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF EDWARD J. CUHACI AND ASSOCIATES INC. AND WERE CREATED EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF EDWARD J. CUHACI AND ASSOCIATES INC.

THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ARCHITECT'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS

TRUE NORTH PLAN NORTH

EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St. Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ECOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SITE PLAN

SCALE ÉCHELLE	1:250	PROJ. No	ISSUE No	REV. No
		2527	4	0
DRAWN BY DESSINÉ PAR	D.B.	DRAWING/DESSIN		
CHECKED BY VÉRIFIÉ PAR	S.R.	A001		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A001.DWG		

PLOT STAMP FOR LOC USE ONLY
Plot By: DARIA BOGA
Plot Date: 26/04/2026 Plot Time: 11:15:52
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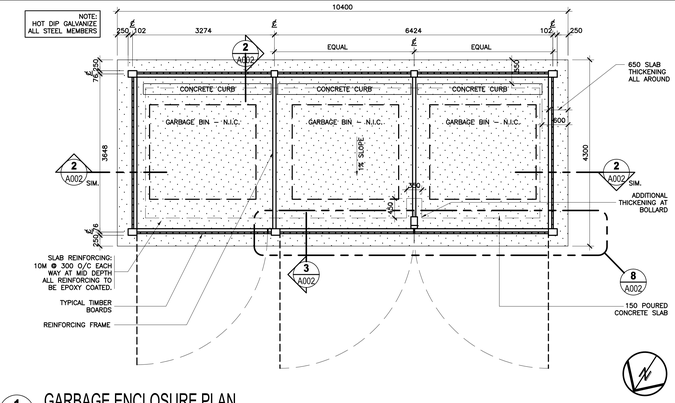

1 A002 **GARBAGE ENCLOSURE PLAN**
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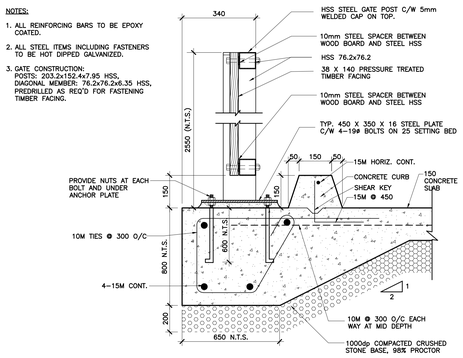

2 A002 **GARBAGE ENCLOSURE SECTION**
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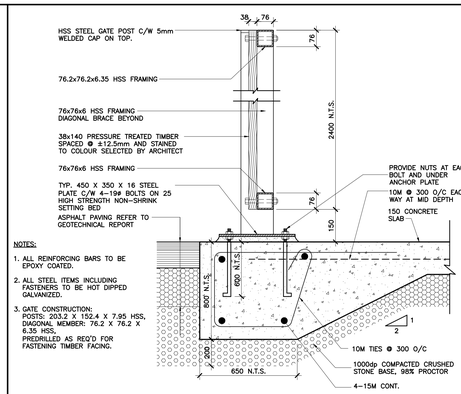

3 A002 **GARBAGE ENCLOSURE GATE SECTION**
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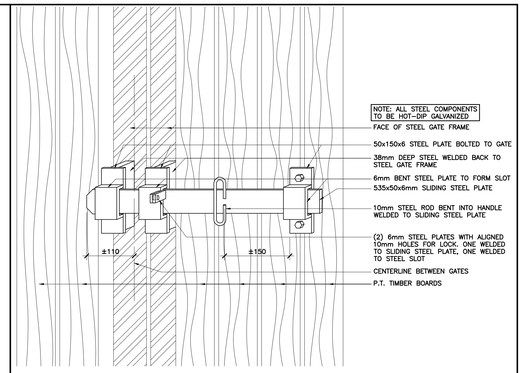

4 A002 **GATE LOCK DETAIL**
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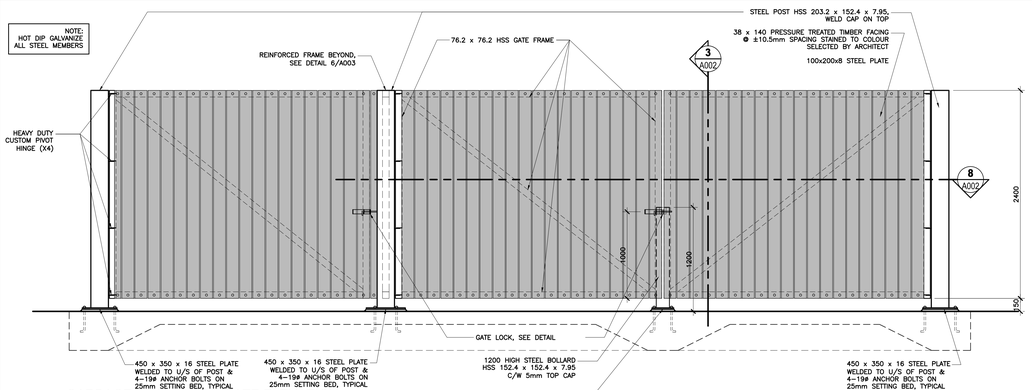

5 A002 **GARBAGE ENCLOSURE GATE ELEVATION**
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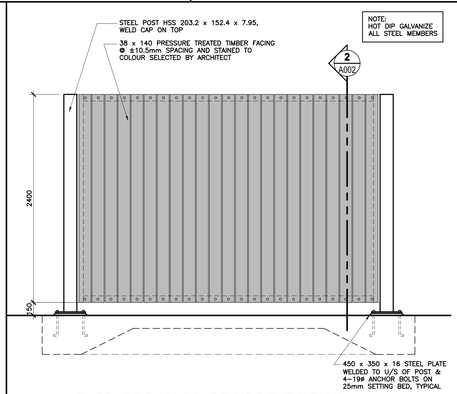

6 A002 **GARBAGE ENCLOSURE SIDE ELEVATION**
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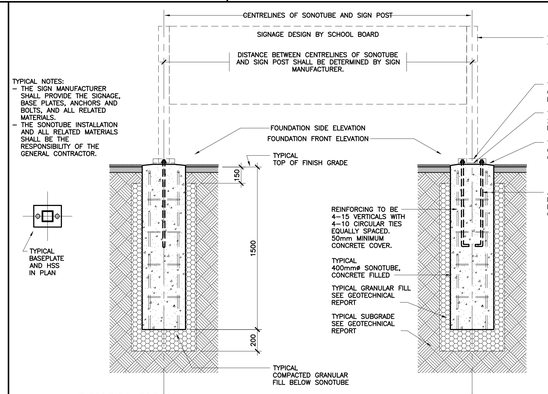

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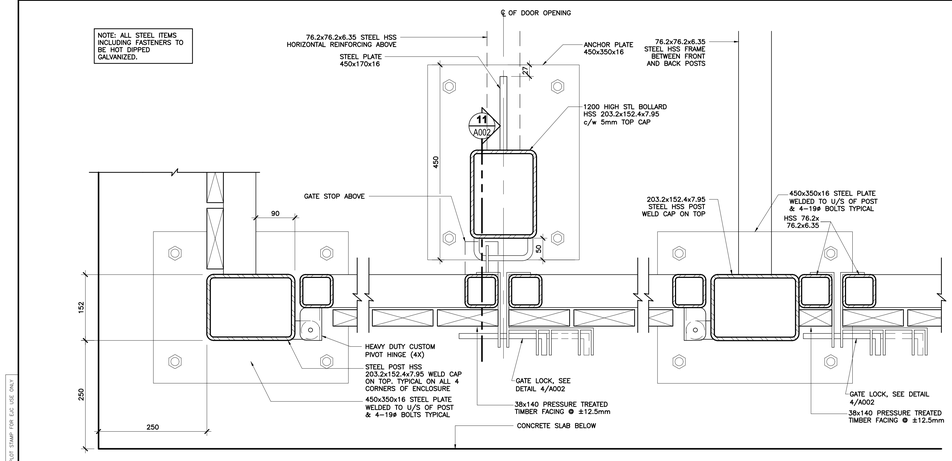

8 A002 **LATCH DETAIL PLAN**
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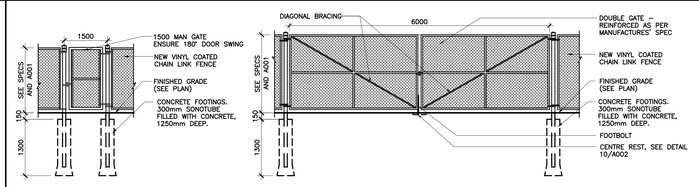

9 A002 **CHAIN LINK FENCE GATE ELEVATIONS**
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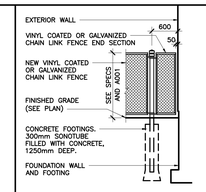
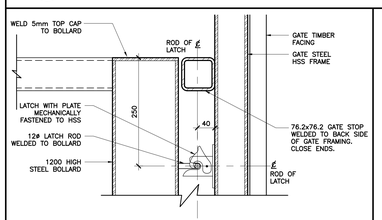


10 A002 **CHAIN LINK FENCE END SECTION AT WALL**
1:50



11 A002 **LATCH DETAIL SECTION**
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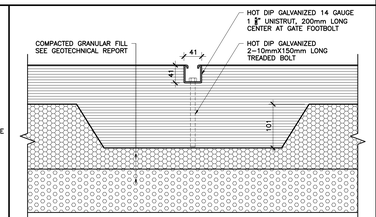

12 A002 **FOOTBOLT REST**
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13 A002 **RESERVED**
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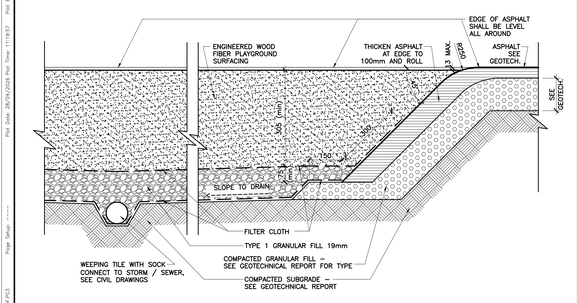

14 A002 **ENGINEERED WOOD FIBRE PLAY AREA**
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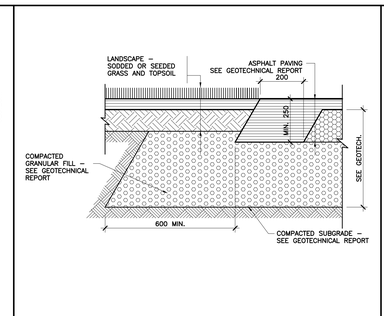
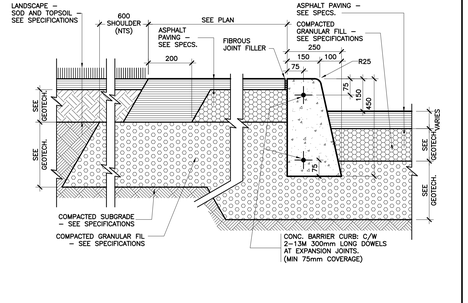


15 A002 **ASPHALT AT GRASS**
1:10



16 A002 **ASPHALT SIDEWALK**
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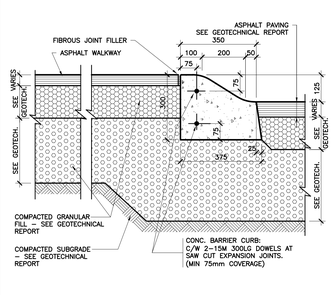

17 A002 **ASPHALT WALK AT SEMI-MOUNTABLE CURB**
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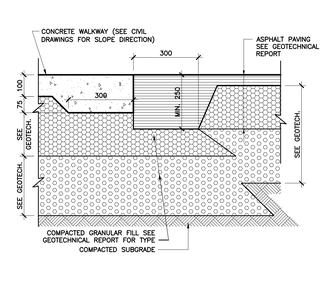

18 A002 **CONCRETE WALK AT ASPHALT WALK**
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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/09	ISSUED FOR 70% SUBMISSION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC.

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CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS

EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SITE DETAILS

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CHECKED BY VÉRIFIÉ PAR	J.J.	DRAWING/DESSIN	**A002**	
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A002.DWG		

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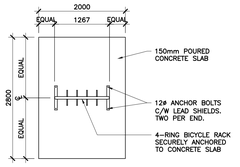
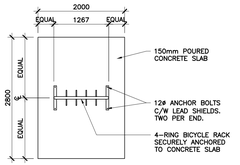
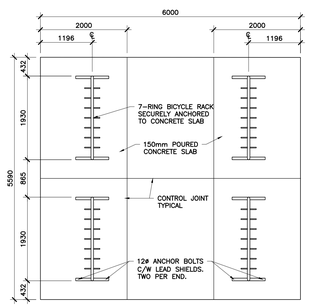


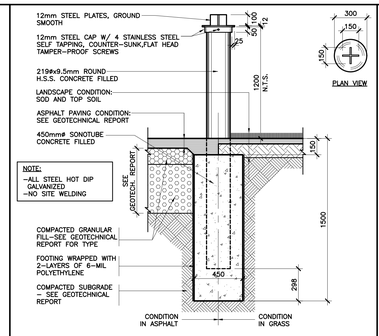
1 A003 BICYCLE RACK DAYCARE 1:50



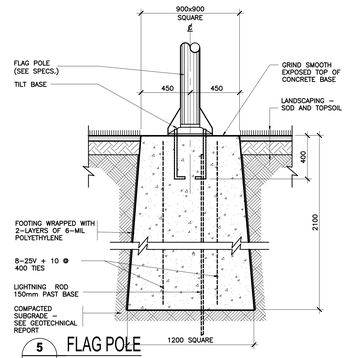
2 A003 BICYCLE RACK MAIN ENTRANCE 1:50



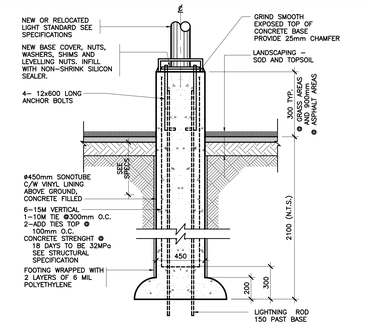
3 A003 BICYCLE RACKS 1:50



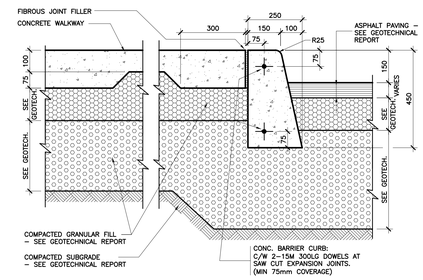
4 A003 BOLLARD 1:20



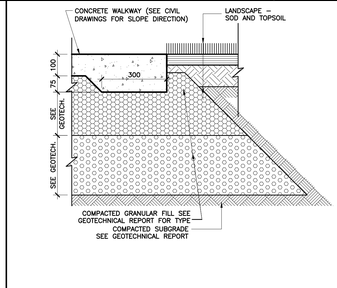
5 A003 FLAG POLE 1:20



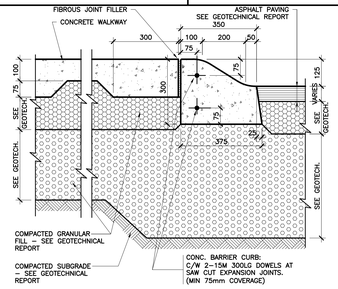
6 A003 LIGHT STANDARD 1:20



7 A003 CONCRETE WALK AT CURB 1:10



8 A003 CONCRETE WALK AT GRASS 1:10



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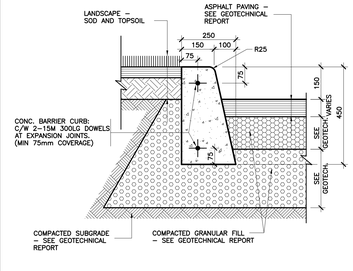

10 A003 CONCRETE CURB AT GRASS 1:10

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ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
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3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SITE DETAILS

SCALE / ÉCHELLE	AS SHOWN	PROJ. No	ISSUE No	REV. No
		2527	3	0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	J.J.	A003		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A003.DWG		

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TYPICAL GENERAL NOTES

1. EXCEPT WHERE INDICATED OTHERWISE, ALL WALLS AND PARTITIONS, INCLUDING NON RATED, SHALL EXTEND FROM FLOOR SLAB TO THE UNDERSIDE OF THE FLOOR AND ROOF STEEL DECK ABOVE. MAINTAIN 25mm GAP AT TOP OF WALL TO ALLOW FOR FLOOR AND ROOF DEFLECTION. PACK GAP BETWEEN TOP OF WALL AND METAL DECK WITH FIRE STOPPING MATERIAL AND SEAL WITH FIRE STOPPING SEALANT, SEE SPECIFICATIONS.
2. WHERE WALLS CANNOT BE EXTENDED TO THE UNDERSIDE OF STEEL DECK, DUE TO INTERFERING STEEL MEMBERS, AN INSULATED GYPSUM BOARD ENCLOSURE SHALL BE CONSTRUCTED USING 16mm TYPE 'X' GYPSUM BOARD ON METAL FURRING 400mm ON CENTRE ENVELOPING THE INTERFERING STEEL MEMBER. THE ENCLOSURE SHALL BE CONSTRUCTED AND INSULATED TO PROVIDE THE SAME FIRE AND SOUND PERFORMANCE AS THE WALL BELOW. SEE DETAILS ON A020.
3. UNLESS NOTED OTHERWISE ALL CONCRETE BLOCK WALL ARE TYPE IM1. UNLESS NOTED OTHERWISE ALL GYPSUM BOARD PARTITIONS ARE TYPE IS1.
4. INCREASE WALL THICKNESS LOCALLY FOR FULL HEIGHT OF WALL TO SUIT INSTALLATION OF MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK AND TO MAINTAIN REQUIRED FIRE RATING OF THE WALL ASSEMBLY.
5. FRAMING OF OPENINGS IN FIRE RATED DRYWALL PARTITIONS SHALL COMPLY WITH ULC TEST DESIGN #G-21, ULC CR 1255, AND ULC BULLETIN 80-5. REFER TO SPECIFICATION SECTION 09 22 16 NON-STRUCTURAL METAL FRAMING.
6. IN ADDITION TO SPECIFIC LOCATIONS IDENTIFIED BY "DRAWING NOTES" OR ELSEWHERE SHOWN OR NOTED ON DRAWINGS, WALLS AND PARTITIONS SHALL BE CONSTRUCTED ABOVE AND UNDER ALL OPENINGS FOR DOORS, WINDOWS, GLAZED METAL SCREENS, AND OPENINGS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL ITEMS EQUAL TO THAT OF WALL CONSTRUCTION SHOWN ON EITHER SIDE OF OPENING. FOR WALLS WITH BRICK OR BLOCK VENEER, PROVIDE LINTELS TO SUIT OPENINGS.
7. CO-ORDINATE AND ESTABLISH ON SITE THE EXACT LOCATION OF ALL OPENINGS IN WALLS, FLOORS AND ROOF PRIOR TO CONSTRUCTION. SEE ALSO MECHANICAL AND ELECTRICAL DOCUMENTS.
8. FIRE RATED GYPSUM BOARD PARTITIONS SHALL BE CONSTRUCTED TO PROVIDE UNINTERRUPTED FACE APPLICATION OF THE SPECIFIED NUMBER OF LAYERS OF GYPSUM BOARD. INTERSECTING NON FIRE RATED WALLS AND SHAFTS ABUTTING FIRE RATED WALLS SHALL NOT INTERRUPT THE GYPSUM BOARD SURFACE OF THE FIRE RATED WALL. MAINTAIN CONTINUITY OF FIRE-RATED WALL ASSEMBLY.
9. IN DRYWALL CONSTRUCTION, PROVIDE REINFORCING OF METAL STUD WALLS WITH PLYWOOD OR SHEET STEEL, FOR THE SUPPORTING OF, INCLUDING BUT NOT LIMITED TO: MILLWORK UNITS, GRAB BARS, SHELF PILASTERS, COAT HOOKS, WHITE BOARDS, TACK BOARDS, SMART BOARDS BY OTHERS, ETC.
10. CAULK AT PERIMETER OF ALL GYPSUM BOARD PARTITIONS. CAULK WITH SMOKE SEAL IN RETURN AIR PLENUMS.
11. WITHIN RETURN AIR PLENUM CEILING SPACE, CAULK ALL PENETRATIONS, INCLUDING MECHANICAL DUCTS, ELECTRICAL CONDUITS, SPRINKLER PIPES, PIPING, ETC., THROUGH ALL PARTITIONS WITH SMOKE SEAL. PROVIDE FIRE STOPPING AT FIRE-RATED PARTITIONS.
12. WHERE A DRYWALL PARTITION IS SHOWN OR CALLED ON THE FINISH SCHEDULE TO RECEIVE MASONRY, CONSTRUCTION OF THE DRYWALL PARTITION SHALL BE AS INDICATED ABOVE. MASONRY FACING SHALL BE TIED TO STUD WALL USING SPECIFIED ADJUSTABLE TIES.
13. PROVIDE MINIMUM 100mm THICK CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED MECHANICAL AND ELECTRICAL EQUIPMENT. CO-ORDINATE WITH MECHANICAL AND ELECTRICAL SHOP DRAWINGS FOR LOCATION AND SIZE.
14. IN THE EVENT OF DISCREPANCIES IN THE QUANTITY AND TYPE OF MECHANICAL, ELECTRICAL ITEMS, TO BE INCORPORATED, MECHANICAL AND ELECTRICAL DRAWINGS SHALL GOVERN. REFER ALSO TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR OTHER ITEMS TO BE INCORPORATED BUT NOT SHOWN ON ARCHITECTURAL DRAWINGS.
15. ENSURE CONTINUITY OF FIRE RATING BEHIND ALL BUILT-IN MECHANICAL AND ELECTRICAL WORK. SEE ALSO ELECTRICAL DRAWINGS FOR ELECTRICAL PANEL LOCATIONS.
16. PROVIDE LATERAL BRACING FOR ALL MASONRY WALLS. PROVIDE BRACING USING STEEL ANGLES SUITABLY SIZED AND ANCHORED TO THE BUILDING BRACE AS STRUCTURALLY REQUIRED. WALL BRACING SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE AND OTHER APPLICABLE STANDARDS. PROVIDE STRUCTURAL ENGINEERING DRAWINGS SIGNED AND STAMPED BY A QUALIFIED PROFESSIONAL ENGINEER WHO IS REGISTERED AND LICENSED IN THE PROVINCE OF ONTARIO. ALSO REFER TO STRUCTURAL DRAWINGS.
17. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, UNLESS OTHERWISE NOTED.
18. FOR LOCATION OF CONTROL JOINTS IN CONCRETE BLOCK WALLS, REFER TO STRUCTURAL DRAWINGS.
19. UNLESS OTHERWISE NOTED, PROVIDE SPRAY APPLIED OR INTUMESCENT FIREPROOFING ON ALL HORIZONTAL STRUCTURAL STEEL MEMBERS AND STEEL DECKING THAT SUPPORT SECOND FLOOR LEVEL, AS REQUIRED BY ULC DESIGN TO PROVIDE 1 HOUR RATING.
21. ALL GROUND FLOOR STEEL COLUMN FIRE-RATED ENCLOSURES TO BE "FC-1", UNLESS NOTED OTHERWISE.
22. PROVIDE LOOSE LINTEL FOR CONCRETE BLOCKS, BRICKS AND SPECIAL MASONRY UNITS AT ALL OPENINGS, SEE STRUCTURAL FOR SIZING.
23. FOR CONTINUITY OF FIRE SEPARATION OR SOUND BARRIER EXTEND INTERIOR WALL CONSTRUCTION ABUTTING EXTERIOR WALL INTO EXTERIOR WALL CAVITY UP TO INTERIOR FACE OF EXTERIOR SHEATHING BOARD.
24. UNLESS NOTED OTHERWISE AND WHERE INDICATED IN WALL TYPES SCHEDULE, FOR WALL OR PARTITION ASSEMBLIES WITH 90mm BLOCK VENEER, EXTEND BLOCK VENEER TO MINIMUM 300mm ABOVE SUSPENDED CEILING. IN AREAS WITHOUT SUSPENDED CEILING, EXTEND BLOCK VENEER UP TO UNDERSIDE OF ROOF OR FLOOR DECK.
25. FOR CLARITY OF DETAILS AND DRAWINGS, SPRAY-ON FIREPROOFING IS NOT SHOWN. REFER TO FLOOR AND COLUMN ASSEMBLIES WHERE SPRAY-ON FIREPROOFING IS REQUIRED.
26. UNLESS NOTED OTHERWISE, ALL PRESSURE TREATED WOOD SHALL HAVE WOOD PRESERVATIVE TREATMENT FOR SERVICE CONDITIONS UC3.1

TYPICAL DRAWING SYMBOLS

GRAPHIC	DESCRIPTION
VIEWNUMBER / SHEETNUMBER	BUILDING SECTION OR ELEVATION REFERENCE
VIEWNUMBER / SHEETNUMBER	WALL SECTION REFERENCE
VIEWNUMBER / SHEETNUMBER	PLAN DETAIL REFERENCE
ADDITIONAL INFO / ## PAGE DETAIL TITLE / SCALE	DETAIL NUMBER AND TITLE
### T/O ----	ELEVATION DATUM POINT
### T/O ----	BUILDING ELEVATION RELATIVE TO GROUND FLOOR SLAB
XXXXXXXXXX / ###	ROOM NAME AND NUMBER
	NEW DOOR, HARDWARE AND FRAME
###	DOOR NUMBER
ALF#	ALUMINUM FRAME NUMBER
CW#	CURTAIN WALL NUMBER
PM#	PRESSED METAL FRAME NUMBER
	WALL FLAGS
IS#	INTERIOR STUD
ES#	EXTERIOR STUD
IM#	INTERIOR MASONRY
EM#	EXTERIOR MASONRY
FC#	FIRE-RATED COLUMN PROTECTION
RD	ROOF DRAIN
FD	FLOOR DRAIN
FER	RECESSED FIRE EXTINGUISHER CABINET
FES	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
ADO	AUTOMATIC DOOR OPERATOR PUSH BUTTON

ABBREVIATIONS

ADL	ACTIVE DOOR LEAF
ADO	AUTOMATIC DOOR OPERATOR
A.A.A.	ABOVE FLOOR FINISH
AHAP	AS HIGH AS POSSIBLE
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
A/V	AIR / VAPOUR
BC	BLOCK COURSE
BD	BOLLARD
BLK	BLOCK
CCH	CABINET CONVECTOR HEATER
CH	COAT HOOK
CHS	COAT HOOK AND SHELF
CBN	CEILING-MOUNTED BASKETBALL NET
CJ	CONTROL JOINT
CNTR	COUNTER
CONT	CONTINUOUS
CONC.	CONCRETE
CP	COMMUNICATION PANEL
CT	CERAMIC TILE
C/W	COMPLETE WITH
D	DRYER (N.I.C.)
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DLS	DOOR LOCK SWITCH
DN	DOWN
dp	DEEP
DW	DISHWASHER (N.I.C.)
EA	EACH
EJ	EXPANSION JOINT
EJC	EXPANSION JOINT COVER
ESH	EMERGENCY SHOWER
EEW	EMERGENCY EYE WASH
ELT	EMERGENCY LIGHT
E.O.D.	EDGE OF DECK
E.O.S.	EDGE OF SLAB
EQ.	EQUAL
EVC	EMERGENCY VALVE CABINET
EXT.	EXTERIOR
F	FRIDGE (N.I.C.)
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FD	FLOOR DRAIN
FER	RECESSED FIRE EXTINGUISHER CABINET
FES	SURFACE MOUNTED FIRE EXTINGUISHER
FFH	FORCE FLOW HEATER
FH	FUME HOOD
FPS	FIRE ALARM PULL STATION
F.S.	FRAME SIZE
FS	FLOOR SOCKET
G	GLASS
GBL	GRAB BAR, "L" SHAPED
G.I.	GREASE INTERCEPTOR
GYP. BD.	GYPSUM BOARD
hg	HIGH
HD	ELECTRIC HAND DRYER
HGB	HORIZONTAL GRAB BARS
HHS	HAND HELD WALL MOUNTED SHOWER WITH EXTRA LONG NOSE
HM	HOLLOW METAL
HR	STAINLESS STEEL HANDRAIL
H.P.	HIGH POINT
HSKPD	HOUSEKEEPING PAD
INT	INTERCEPTOR
LCKR	LOCKERS
LRHA	LADDER TO ROOF HATCH ABOVE
MAX.	MAXIMUM
MECH.	MECHANICAL
MECH'L	MECHANICAL
M.E.	MISCELLANEOUS EQUIPMENT (N.I.C.)
M.F.	MISCELLANEOUS FURNITURE (N.I.C.)
MIN.	MINIMUM
MIR	MIRROR
MIRR.	MIRRORED DRAWING DETAIL
MIRT	TILTED MIRROR
ML	MECHANICAL LOUVER
M.O.	MASONRY OPENING
MS	MIRROR SHELF
MSNRY	MASONRY
NFHB	NON-FREEZE HOSE BIB
N.I.C.	NOT IN CONTRACT
N.I.D.	NOT TO SCALE
MTL	METAL
O/C	ON CENTER
O.C.	ON CENTER
O/H	OVERHEAD
O.F.	OUTSIDE OF FRAME
OFP	OVERFLOW PREVENTER
ON	OVERFLOW NOZZLE
ORD	OVERFLOW ROOF DRAIN
O.W..J.	OPEN WEB STEEL JOIST
P	PRINTER (N.I.C.)
PL	PLASTIC LAMINATE
PMS	PRESSED METAL SCREEN
PSTR	PAPER STORAGE
PTD	PAPER TOWEL DISPENSER
P.T.	PRESSURE TREATED
R	RADIUS
RD	ROOF DRAIN
REV.	REVERSED VIEW
Ri	RISER
R.O.	ROUGH OPENING
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER
RWR	RECESSED WASTE RECEPTACLE
S.A.	SOUND ATTENUATION
SBF	STRUCTURAL BRACE FRAME
SC	SHOWER CURTAIN
SD	SOAP DISPENSERS
SH	SOAP HOLDER
SHLVS	SHELVES
SHS	SHOWER SEAT
SND	SANITARY NAPKIN DISPOSAL
SN	SANITARY NAPKIN DISPENSER
SIM.	SIMILAR
SKBD	SCOREBOARD CONTROL OUTLET
SMU	SPECIAL MASONRY UNIT
SDC	SAWDUST COLLECTOR
SP	SUMP PIT
SPEC	SPECIFICATIONS
S.R.	SPRINKLER RISER
SS	SERVICE SINK WITH MOP HOLDER
STR	STRUCTURE / STRUCTURAL
STRUCT.	STRUCTURAL
SW	SWITCH
T	TREAD
T.B.	TACKBOARD
TCV	TEMPERATURE CONTROL VALVE
TEL	TELEPHONE
TH	THERMOSTAT
T.M.E.	TO MATCH EXISTING
T/O	TOP OF
TP	TOILET PAPER DISPENSER
TYP.	TYPICAL
TYP'L	TYPICAL
USDB	UNDER SIDE DRYWALL BULKHEAD
USML	UNDER SIDE MASONRY LINTEL
VGB	VERTICAL GRAB BAR
VNTY	VANITY
W	WASHER (N.I.C.)
W/	WITH
W.B.	WHITEBOARD
WBN	WALL-MOUNTED BASKETBALL NET
WF	WASH FOUNTAIN
U/S	UNDER SIDE
wd	WIDE
ø	DIAMETER
@	AT
℄	CENTER LINE

EXTERIOR WALL TYPES

WALL TYPE CATEGORY	WALL TYPE	FLOOR PLAN INDICATION	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION
EXTERIOR STUD "ES"	ES1	450	450 (90, 16, 203, 16)	SPECIAL MASONRY UNITS VENEER AIR SPACE-VARIES, SEE FLOOR PLAN 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 55 SPRAY-IN-PLACE INSULATION (MIN. R-13) 203 STRUCTURAL STEEL STUDS @ 400 O.C. 16 GYPSUM BOARD C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	ES2	450	450 (51, 16, 203, 16, 51)	51 COMPOSITE ALUMINUM PANEL SYSTEM HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) SPRAY-IN-PLACE INSULATION TO SUIT 16 EXTERIOR SHEATHING 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILLED WITH SEMI-RIGID INSULATION 16 EXTERIOR SHEATHING AIR BARRIER SPRAY-IN-PLACE INSULATION TO SUIT HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) 51 COMPOSITE ALUMINUM PANEL SYSTEM
	ES3	450	450 (51, 16, 203, 16)	51 COMPOSITE ALUMINUM PANEL SYSTEM HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 55 SPRAY-IN-PLACE INSULATION (MIN. R-13) 203 STRUCTURAL STEEL STUDS @ 400 O.C. 16 GYPSUM BOARD C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	ES4	VARIES	VARIES (22, 16, 203, 16)	22mm PRE-FINISHED METAL SIDING HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 55 SPRAY-IN-PLACE INSULATION (MIN. R-13) 203 METAL STUDS @ 400 O.C. 16 GYPSUM BOARD C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	ES5	665	665 (90, 125, 16, 203, 16, 125, 90)	SPECIAL MASONRY UNITS VENEER AIR SPACE-VARIES, SEE FLOOR PLAN 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 203 STRUCTURAL STEEL STUDS @ 400 O.C. 16 EXTERIOR SHEATHING 88 SPRAY-IN-PLACE INSULATION (MIN. R15) AIR SPACE-VARIES, SEE FLOOR PLAN SPECIAL MASONRY UNITS VENEER
	ES6	550	550 (90, 125, 16, 203, 16, 10, 90)	SPECIAL MASONRY UNITS VENEER AIR SPACE-VARIES, SEE FLOOR PLAN 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 203 STRUCTURAL STEEL STUDS @ 400 O.C. 16 GYPSUM BOARD AIR SPACE 90 BLOCK VENEER, SEE FLOOR PLAN
	ES7	550	550 (51, 203, 16, 10, 90)	51 COMPOSITE ALUMINUM PANEL SYSTEM HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) AIR SPACE-VARIES, SEE FLOOR PLAN 88 SPRAY-IN-PLACE INSULATION (MIN. R15) 16 EXTERIOR SHEATHING 203 STRUCTURAL STEEL STUDS @ 400 O.C. 16 GYPSUM BOARD AIR SPACE 90 BLOCK VENEER, SEE FLOOR PLAN
EXTERIOR MASONRY "EM" C/W WALL CAVITY FIRESTOP REFER TO SHEET A021	EM1	505	505 (90, 125, 290)	90 SPECIAL MASONRY UNITS VENEER AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) 290 CONCRETE BLOCK, REFER TO STRUCTURAL C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	EM2	505	505 (51, 164, 290)	51 COMPOSITE ALUMINUM PANEL SYSTEM HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) 290 CONCRETE BLOCK, REFER TO STRUCTURAL C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	EM3	405	405 (90, 125)	90 SPECIAL MASONRY UNITS VENEER AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) 190 CONCRETE BLOCK, REFER TO STRUCTURAL C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	EM4	405	405 (51, 164, 190)	51 COMPOSITE ALUMINUM PANEL SYSTEM HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) 190 CONCRETE BLOCK, REFER TO STRUCTURAL C/W WALL CAVITY FIRE BLOCK, REFER TO A020
	EM5	620	620 (90, 125, 125, 90)	90 SPECIAL MASONRY UNITS VENEER AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) 190 CONCRETE BLOCK, REFER TO STRUCTURAL 88 SPRAY-IN-PLACE INSULATION (MIN. R-19) AIR SPACE 90 SPECIAL MASONRY UNITS VENEER C/W WALL CAVITY FIRE BLOCK, REFER TO A020

INTERIOR WALL TYPES

WALL TYPE CATEGORY	WALL TYPE	FLOOR PLAN INDICATION	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION	FIRE RATING ULC LISTING WHERE INDICATED ON DRAWING A020
INTERIOR STUD "IS" TYPICAL NOTE: FOR WALLS WITH 90mm BLOCK OR BRICK VENEER: EXTEND 1 (ONE) FULL COURSE ABOVE CEILING	IS1	124	124 (92, 16, 16)	16 GYPSUM BOARD 92 METAL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS2	184	184 (16, 152, 16)	16 GYPSUM BOARD 152 METAL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS3	235	235 (16, 203, 16)	16 GYPSUM BOARD 203 METAL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS4	335	335 (90, 16, 10, 203, 16)	90 BLOCK VENEER, SEE FLOOR PLAN AIR SPACE-VARIES, SEE FLOOR PLAN 16 PAPERLESS GYPSUM BOARD 203 STRUCTURAL STEEL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS5	124	124 (92, 16, 16) C/W WOOD CAP SEE A800 FOR HEIGHT	LOW WALL CONSTRUCTION 16 GYPSUM BOARD 92 METAL STUDS C/W 1100 HIGH STEEL HSS POSTS @ 1200 MAX., CORNER AND END, REFER TO MILLWORK SECTIONS 16 GYPSUM BOARD	
	IS6	224	224 (90, 16, 10, 92, 16)	90 BLOCK VENEER, SEE FLOOR PLAN AIR SPACE 16 PAPERLESS GYPSUM BOARD 92 STRUCTURAL STEEL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS7	284	284 (90, 16, 10, 152, 16)	90 BLOCK VENEER, SEE FLOOR PLAN AIR SPACE 16 PAPERLESS GYPSUM BOARD 152 STRUCTURAL STEEL STUDS SOUND ATTENUATION BATT 16 GYPSUM BOARD	1 HOUR FRR W407/W415
	IS8	108	108 (92, 16)	16 GYPSUM BOARD 92 METAL STUDS	
	IS9	184	184 (16, 152, 16) C/W WOOD CAP SEE A800 FOR HEIGHT	LOW WALL CONSTRUCTION 16 GYPSUM BOARD 152 METAL STUDS C/W 1100 HIGH STEEL POSTS @ 1200 MAX., CORNER AND END, REFER TO MILLWORK SECTIONS 16 GYPSUM BOARD	
	IS10	235	219 (16, 203)	16 GYPSUM BOARD 203 METAL STUDS SOUND ATTENUATION BATT	
	IS11	335	435 (90, 16, 10, 203, 16, 10, 90)	90 BLOCK VENEER, SEE FLOOR PLAN AIR SPACE 16 PAPERLESS GYPSUM BOARD 203 STRUCTURAL STEEL STUDS SOUND ATTENUATION BATT 16 PAPERLESS GYPSUM BOARD AIR SPACE 90 BLOCK VENEER, SEE FLOOR PLAN	--
	IS12		(203, 16)	203 METAL STUDS 16 GYPSUM BOARD	--
INTERIOR MASONRY "IM"	IM1	140	140	140 CONCRETE BLOCK (81 EQUIVALENT THICKNESS)	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.1.1
	IM2	190	190	190 CONCRETE BLOCK (106 EQUIVALENT THICKNESS)	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.1.1
	IM3	90	90	90 CONCRETE BLOCK	
	IM4	290	290	290 CONCRETE BLOCK	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.1.1
	IM5	298	298 (190, 92, 16)	16 GYPSUM BOARD 92 METAL STUDS SOUND ATTENUATION BATT 190 CONCRETE BLOCK (106 EQUIVALENT THICKNESS)	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.1.1
	IM6	270	270 (190, 64, 16)	16 GYPSUM BOARD 64 METAL STUDS SOUND ATTENUATION BATT 190 CONCRETE BLOCK (106 EQUIVALENT THICKNESS)	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.1.1

COLUMN TYPES

COLUMN TYPE CATEGORY	COLUMN TYPE	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION	FIRE RATING/ ULC LISTING
INTERIOR COLUMN ENCLOSURES "FC"	FC1		16 ABUSE RESISTANT GYPSUM BOARD 64 METAL STUDS STRUCTURAL STEEL COLUMNS IN EXTERIOR WALL ASSEMBLY, FILL IN CAVITY WITH SEMI-RIGID INSULATION	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.6.1.F
	FC2		90 MINIMUM CONCRETE BLOCK (90 EQUIVALENT THICKNESS) SEE FLOOR PLAN STRUCTURAL STEEL COLUMN	1 HOUR FRR OBC SUPPLEMENTARY STANDARD SB-2 TABLE 2.6.1.A
	FC3		GLUE LAMINATED WOOD COLUMN	
	FC4	OR	THIN FILM INTUMESCENT COATING STRUCTURAL STEEL COLUMNS	1 HOUR FRR ULC BXUVC-Z611 ULC BXUVC-Z630 ITS AD/IMF 90-01

CURB TYPES

CURB TYPE CATEGORY	CURB TYPE	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION
CURB ASSEMBLIES "CA"	CA1		ROOF MEMBRANE BASE/CAP SHEET FLASHING 16 GYPSUM ROOF SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION AIR/VAPOUR BARRIER 16 EXTERIOR SHEATHING BOARD
	CA2		ROOF MEMBRANE BASE/CAP SHEET FLASHING 16 GYPSUM ROOF SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD ROOF MEMBRANE BASE/CAP SHEET FLASHING

FLOOR TYPES

FLOOR TYPE CATEGORY	FLOOR TYPE	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION	FIRE RATING/ ULC LISTING
FLOOR TYPES "FT"	FT1		FLOOR FINISH (REFER TO SCHEDULE) CONC. SLAB (REFER TO STRUCT.) VAPOUR RETARDER COMPACTED GRANULAR FILL	
	FT2		(SPRAY APPLIED FIRE PROOFING) 1 HR. FIRE RATING. FLOOR FINISH (REFER TO SCHEDULE) CONC. SLAB (REFER TO STRUCT.) STEEL DECK (REFER TO STRUCT.) STEEL STRUCTURE (REFER TO STRUCT.)	1 HOUR FRR ULC D949
	FT3		GYM FLOOR CLOSED CELL RESILIENT SPORTS FLOORING CONC. SLAB (REFER TO STRUCT.) VAPOUR RETARDER COMPACTED GRANULAR FILL	

ROOF TYPES

ROOF TYPE CATEGORY	ROOF TYPE	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION	FIRE RATING/ ULC LISTING
ROOF TYPES "RT"	RT1		MODIFIED BITUMEN ROOFING PROTECTION BOARD TAPERED INSULATION (WHERE SHOWN ON ROOF PLAN) 203 ROOF INSULATION (MIN. R40) VAPOUR BARRIER 13 FIBER GLASS-MAT FACED GYPSUM BOARD SHEATHING 38 GALVANIZED STEEL ROOF DECK STEEL STRUCTURE – SEE STRUCTURAL	
	RT2		MODIFIED BITUMEN ROOFING PROTECTION BOARD TAPERED INSULATION (WHERE SHOWN ON ROOF PLAN) 203 ROOF INSULATION (MIN. R40) VAPOUR BARRIER 13 FIBER GLASS-MAT FACED GYPSUM BOARD SHEATHING 76 ACOUSTIC GALVANIZED STEEL ROOF DECK, FILL FLUTES WITH INSULATION STEEL STRUCTURE – SEE STRUCTURAL	
	RT3		MODIFIED BITUMEN ROOFING PROTECTION BOARD TAPERED INSULATION (WHERE SHOWN ON ROOF PLAN) 203 ROOF INSULATION (MIN. R40) VAPOUR BARRIER 13 FIBER GLASS-MAT FACED GYPSUM BOARD SHEATHING 76 ACOUSTIC PRE-FINISHED STEEL ROOF DECK, FILL FLUTES WITH INSULATION GLULAM STRUCTURE – SEE STRUCTURAL	

SHAFT WALL TYPES

TYPE CATEGORY	TYPE	FLOOR PLAN INDICATION	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION	FIRE RATING/ ULC LISTING
HORIZONTAL SHAFT WALL "HSW"	HSW1	103	103 (25, 39, 13, 13, 13)	25 GYPSUM BOARD LINER PANEL 64 C-H STUDS @ 600 O.C. 13 GYPSUM BOARD 13 GYPSUM BOARD 13 GYPSUM BOARD	1 HOUR FRR WHI-495 PSH 0154/0167

PARAPET TYPES

PARAPET TYPE CATEGORY	PARAPET TYPE	ENLARGED GRAPHIC REPRESENTATION	DESCRIPTION
PARAPET TYPES "P"	P1		4 COMPOSITE ALUMINUM PANELS HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-21) 16 EXTERIOR SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD ROOF MEMBRANE BASE/ CAP SHEET FLASHING
	P2		90 SPECIAL MASONRY UNITS VENEER AIR SPACE – VARIES, SEE FLOOR PLAN 88 SPRAY-IN-PLACE INSULATION (MIN. R-21) 16 EXTERIOR SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD ROOF MEMBRANE BASE / CAP SHEET FLASHING
	P3		CURTAIN WALL SYSTEM WITH INSULATED BACK PAN AND SPANDREL GLASS BACK PAN TO BE FLUSH WITH BACK OF MULLION AIR BARRIER AIR SPACE, FILL WITH SEMI-RIGID INSULATION 16 EXTERIOR SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD ROOF MEMBRANE BASE/ CAP SHEET FLASHING
	P4		22 PRE-FINISHED METAL SIDING HORIZONTAL Z-GIRTS @ 600 O.C. MAX. (DEPTH TO SUIT WALL CAVITY, SEE DETAILS) AIR SPACE 88 SPRAY-IN-PLACE INSULATION (MIN. R-21) 16 EXTERIOR SHEATHING BOARD 203 STRUCTURAL STEEL STUDS @ 400 O.C. FILL WITH SEMI-RIGID INSULATION 16 GYPSUM ROOF SHEATHING BOARD ROOF MEMBRANE BASE/ CAP SHEET FLASHING

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/09	ISSUED FOR 70% SUBMISSION

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L'ENTREPRENEUR DOIT VÉRIFIER TOUTES LES DIMENSIONS SUR PLACE ET INFORMER L'ARCHITECTE DE TOUT ÉCART AVANT LE DÉBUT DES TRAVAUX. NE PAS MESURER LES DESSINS A L'ÉCHELLE.

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CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS

EDWARD J. CUHACI
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Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

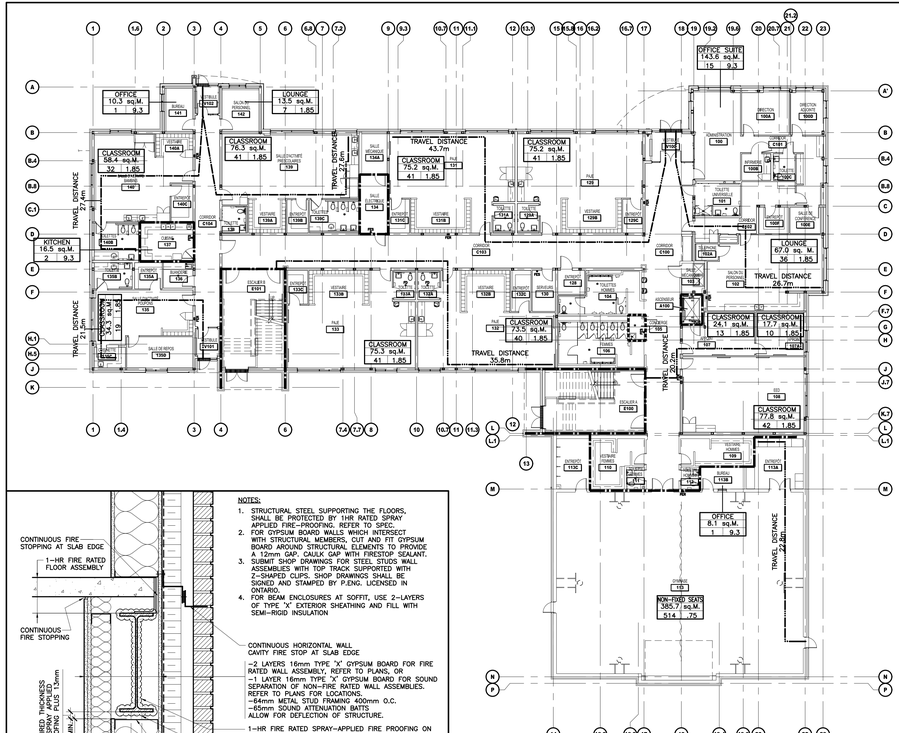
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

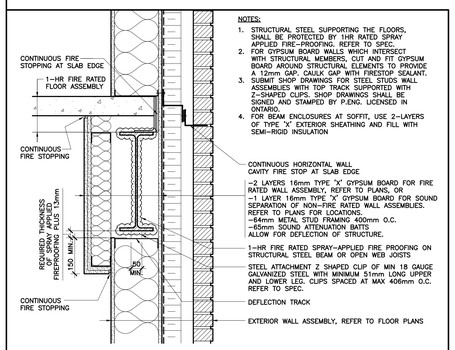
DRAWING TITLE/TITRE DU DESSIN
DRAWING LEGEND, GENERAL NOTE AND ASSEMBLIES

SCALE / ÉCHELLE	AS SHOWN	PROJ. No 2527	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	A010		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A010.DWG		

Plotter: DWG TO PDF.PC3 Page Setup: ---- Plot Date: 28/04/2026 Plot Time: 11:48:15 Plot By: SIMON RIOUX PLOT STAMP FOR EJC USE ONLY

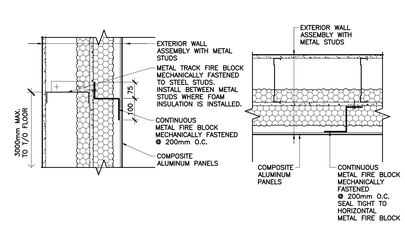


1 LIFE SAFETY GROUND FLOOR PLAN
A020 1:200



NOTES:
1. STRUCTURAL STEEL SUPPORTING THE FLOORS, SHALL BE PROTECTED BY 1HR RATED SPRAY APPLIED FIRE–PROOFING. REFER TO SPEC.
2. FOR GYPSUM BOARD WALLS WHICH INTERSECT WITH STRUCTURAL MEMBERS, CUT AND FIT GYPSUM BOARD AROUND STRUCTURAL ELEMENTS TO PROVIDE A 12mm GAP. CAULK GAP WITH FIRESTOP SEALANT.
3. SUBMIT SHOP DRAWINGS FOR STEEL STUDS WALL ASSEMBLIES WITH TOP TRACK SUPPORTED WITH Z–SHAPED CLIPS. SHOP DRAWINGS SHALL BE SIGNED AND STAMPED BY P.ENG. LICENSED IN ONTARIO.
4. FOR BEAM ENCLOSURES AT SOFFIT, USE 2–LAYERS OF TYPE 'X' EXTERIOR SHEATHING AND FILL WITH SEMI–RIGID INSULATION

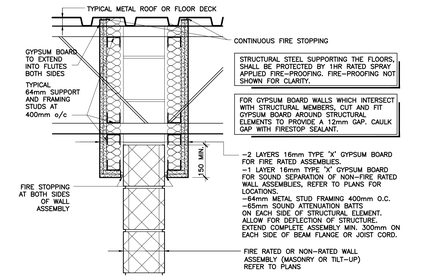
2 TYP. STEEL BEAM FIREPROOFING AND GB ENCLOSURE AT EXT WALL
A020 1:10



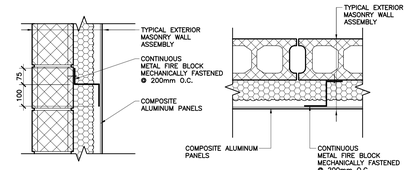
HORIZONTAL FIRE BLOCK VERTICAL FIRE BLOCK

NOTE:
FIRE BLOCK TO OCCUR EVERY 3,000mm HORIZONTALLY AND 20,000mm VERTICALLY MAXIMUM. REFER TO ELEVATIONS FOR LOCATIONS. ALL VERTICAL AND HORIZONTAL FIRE BLOCKS SHALL BE IN PANEL JOINTS. CHANGES IN ELEVATION OF HORIZONTAL FIRE BLOCK TO OCCUR ONLY AT VERTICAL FIRE BLOCK.

COMPOSITE ALUMINUM PANELS
5 EXTERIOR STEEL STUDS WALL CAVITY FIRE BLOCK
A020 1:10



6 TYP. BLOCK WALL @ INTERFERING STRUCT. STEEL MEMBER
A020 1:10



HORIZONTAL FIRE BLOCK VERTICAL FIRE BLOCK

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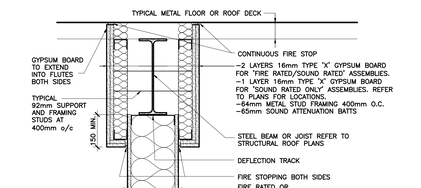
COMPOSITE ALUMINUM PANELS
7 EXTERIOR CONCRETE BLOCK WALL CAVITY FIRE BLOCK
A020 1:10



8 TYP. GYPSUM BOARD ENCLOSURE @ STEEL STRUCTURE
A020 1:10

EGRESS CALCULATIONS

	OCCUPANT LOAD	DOORS (6.1mm PER PERSON)	HORIZONTAL EXITS (9mm PER PERSON)	STAIRS (8mm PER PERSON)	CORRIDORS (6.1mm PER PERSON)
FIRST FLOOR (SCHOOL)	902 PEOPLE	5,503mm REQUIRED 8,964mm PROVIDED	N/A	N/A	5,503mm REQUIRED 6,134mm PROVIDED
SECOND FLOOR (SCHOOL)	424 PEOPLE	2,587mm REQUIRED 4,508mm PROVIDED	N/A	3,392mm REQUIRED 5,050mm PROVIDED	2,587mm REQUIRED 5,365mm PROVIDED

PLUMBING FIXTURES

DAYCARE

STAFF = 10 PERSONS
PRÉSCOLAIRE (PRESCHOOLERS, 30 MONTHS TO 5 YEARS OLD) (1 x 24") = 24 CHILDREN
BAMBINS (TODDLERS, 18 TO 29 MONTHS OLD) (1 x 16") = 16 CHILDREN
POUPONS (INFANTS, LESS THAN 18 MONTHS OLD) (1 x 10") = 10 CHILDREN
TOTAL = 60 PERSONS

3.7.4.3 (13)	REQUIRED	PROVIDED			NOTES
	MALE + FEMALE	MALE	FEMALE	UNISEX	
WATER CLOSETS / URINALS	6	0	0	7	
LAVATORIES	3	0	0	8	

GROUND FLOOR

CLASSROOMS OCCUPANCY: 228 PERSONS
PORTABLE CLASSROOMS OCCUPANCY: 280 PERSONS
STAFF OCCUPANCY: 53 PERSONS
TOTAL: 281 MALES AND 281 FEMALES

GYMNASIUM OCCUPANCY: 520 PERSONS**
TOTAL: 260 MALES AND 260 FEMALES

3.7.4.3 (14)	REQUIRED		PROVIDED			NOTES
	MALE	FEMALE	MALE	FEMALE	UNISEX	
WATER CLOSETS / URINALS	10	11	6	7	7	INCLUDING 1 UNIVERSAL WASHROOM
LAVATORIES	5	6	4	4	7	

SECOND FLOOR

CLASSROOMS OCCUPANCY: 359 PERSONS
STAFF OCCUPANCY: 5 PERSONS
TOTAL: 182 MALES AND 182 FEMALES

3.7.4.3 (14)	REQUIRED		PROVIDED			NOTES
	MALE	FEMALE	MALE	FEMALE	UNISEX	
WATER CLOSETS / URINALS	7	7	6	6	2	
LAVATORIES	3	3	3	3	2	

* OCCUPANT LOAD CALCULATIONS FOR DAYCARE ACTIVITY ROOMS IS BASED ON THE DAYCARE OPERATOR PERMIT APPLICATION TO THE ONTARIO MINISTRY OF EDUCATION.

** GYMNASIUM IS NOT USED A SEPARATE CLASSROOM DURING SCHOOL OPERATION HOURS, IT IS USE BY ONE OF THE CLASSROOM OCCUPANTS. OUTSIDE OF SCHOOL OPERATION HOURS, GYMNASIUM IS USED, BUT NOT THE CLASSROOMS.

FIRE SEPARATIONS LEGEND

	ULC #
NON–RATED WALL	
NON–RATED FIRE SEPARATION (SMOKE SEPARATION)	
30/45 MIN. FIRE SEPARATION	
1 HOUR FIRE SEPARATION	OBC SUPLEMENTARY STANDARD SB–2 TABLE 2.1.1 AND ULC ASSEMBLIES W407, W415
1 HOUR FIRE SEPARATION SMRT. WALL CONSTRUCTION	ULC ASSEMBLIES W452

FIRE RATING OF FLOORS

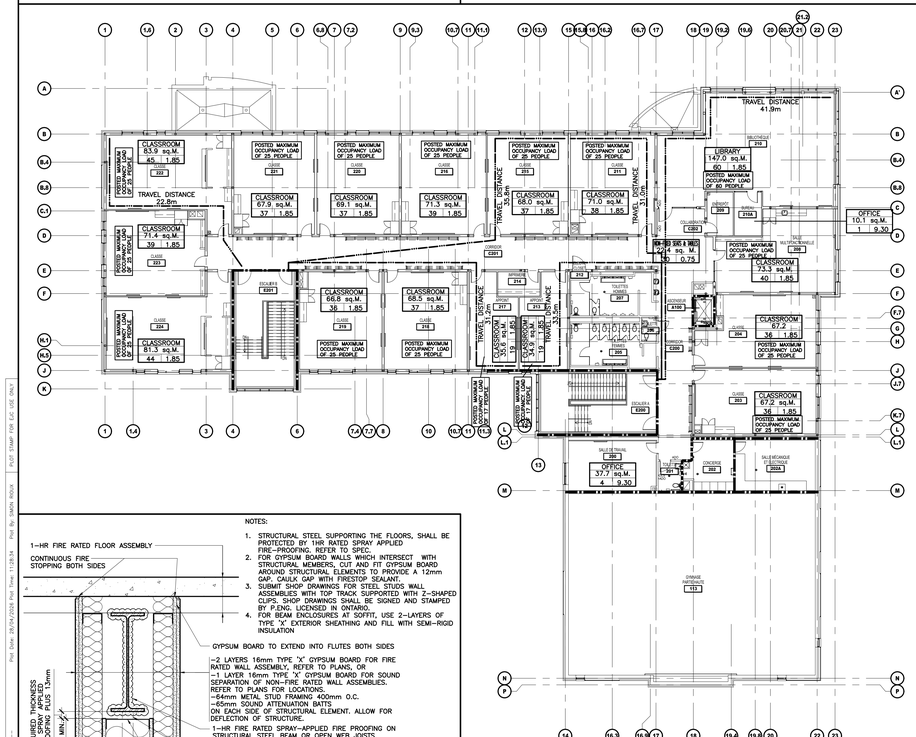
SECOND FLOOR	1 HOUR RATING: ULC BXUVC.F906 AND ULC BXUVC.F912

FIRE RATING OF COLUMNS

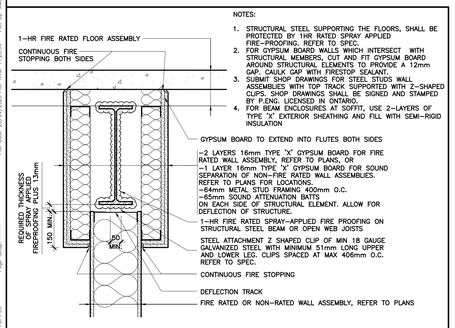
GROUND FLOOR COLUMNS	1 HOUR RATING: OBC SUPPLEMENTARY STANDARD SB–2 TABLE 2.6.1.A. AND TABLE 2.6.1.F., AND BXUVC.Z611

DRAWING LEGEND

SYMBOL	DESCRIPTION
275 REQ. / 150 PROVIDED	MEANS OF EGRESS WITH EXIT WIDTH CAPACITY (# OF PERSONS) PROVIDED AND REQUIRED
FER	RECESSED FIRE EXTINGUISHER CABINET
FES	SURFACE MOUNTED FIRE EXTINGUISHER (WALL MOUNTED)
AREA OF ROOM ~50 sq.M. / OCCUPANT LOAD ~27	TYPE OF USE 1.85 AREA PER PERSON — ROOM OCCUPANT LOAD AS PER OBC TABLE 3.1.17.1
«	WINDOW SPRINKLERS, ULC/ORD–C263.1
	TRAVEL DISTANCE
23	CLASSROOM OCCUPANT LOAD AS PER ONTARIO MINISTRY OF EDUCATION MAXIMUM CLASS SIZE



3 LIFE SAFETY SECOND FLOOR PLAN
A020 1:200



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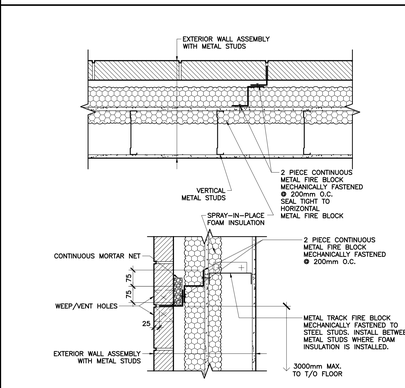
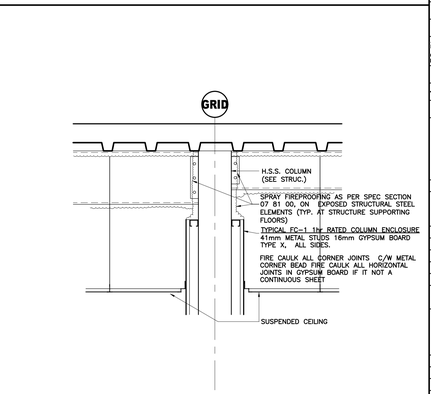
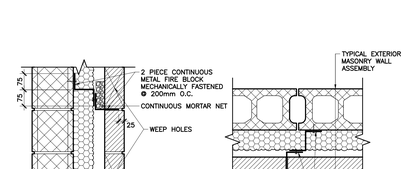
4 TYP. STEEL BEAM FIREPROOFING AND GYP. BD. ENCLOSURE
A020 1:10



9 METAL STUDS EXTERIOR WALL FIRE BLOCK
A020 1:10



10 TYPICAL DRYWALL COLUMN FIRE PROOFING
A020 1:10



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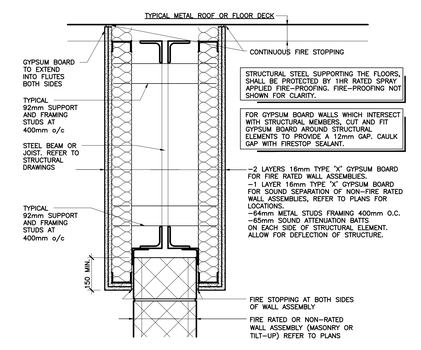
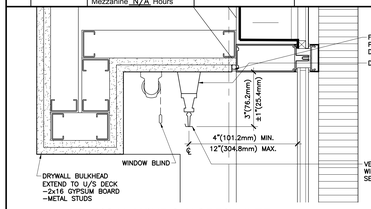
11 SMU EXTERIOR WALL CAVITY FIRE BLOCK
A020 1:10



12 TYPICAL GYP. BD. ENCLOSURE @ STEEL STRUCT. & MASONRY WALL
A020 1:10



13 TYPICAL WINDOW SPRINKLER
A020 1:5

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC.

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Item	2024 Ontario Building Code Data Matrix Parts 3 & 9		OBC Reference	
1	Project Description: ■ New ☐ Addition ☐ Change of Use ☐ Alteration	☐ Part 11 11.1 to 11.4	■ Part 3 3.2.1.1	☐ Part 9 9.10.1.3
2	Major Occupancy(s)	GROUP A, DIVISION 2	3.1.2.1.(1)	9.10.2
3	Building Area (m²)	Existing 0 New 2,316.2 Total 2,316.2	1.1.3.2	1.1.3.2
4	Gross Area (m²)	Existing 0 New 4,157.1 Total 4,157.1	1.1.3.2	1.1.3.2
5	Number of Storeys	Above grade 2 Below grade 0	3.2.1.1 & 1.1.3.2	2.1.1.3
6	Number of Streets/Fire Fighter Access	1	3.2.2.10 & 3.2.5.	9.10.19
7	Building Classification	GROUP A, DIVISION 2, UP TO 6 STOREYS, ANY AREA, SPRINKLERED	3.2.2.24	9.10.4
8	Sprinkler System Proposed	■ entire building ☐ basement only ☐ in lieu of roof rating ☐ not required	3.2.2.24	9.10.8
9	Standpipe required	☐ Yes ■ No	3.2.9	N/A
10	Fire Alarm required	■ Yes ☐ No	3.2.4	9.10.17.2
11	Water Service/Supply is Adequate	■ Yes ☐ No	3.2.5.7	N/A
12	High Building	☐ Yes ■ No	3.2.6	N/A
13	Permitted Construction ☐ Combustible ■ Non–combustible ☐ Both Actual Construction ☐ Combustible ■ Non–combustible ☐ Both		3.2.2.24, 3.2.2.16 & 3.1.4.6	9.10.6
14	Mezzanine(s) Area m²	N/A	3.2.1.1.(3)–(8)	9.10.4.1
15	Occupant load based on ■ m²/person ☐ design of building Basement: Occupancy N/A Load persons 1st Floor Occupancy A–2 Load 902 persons 2nd Floor Occupancy A–2 Load 424 persons **For Additional Floors, see below**		3.1.17	9.9.1.3
16	Barrier–free Design	■ Yes ☐ No (Explain)	3.8	9.5.2
17	Hazardous Substances	☐ Yes ■ No	3.3.1.2. & 3.3.1.19	9.10.1.3.(4)
18	Required Fire Resistance Rating (FRR) Horizontal Assemblies FRR (Hours) Floors 1 Hours Roof 0 Mezzanine N/A Hours FRR of Supporting Members Floors 1 Hours Roof 0 Mezzanine N/A Hours	Listed Design No. or Description (SG–2) SEE DRAWING A010 N/A Listed Design No. Or Description (SG–2) SEE DRAWING A010 N/A	3.2.2.24 & 3.2.1.4	9.10.8 9.10.9

TRUE NORTH PLAN NORTH

EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
LIFE SAFETY PLANS
OBC MATRIX
FIREPROOFING DETAILS

SCALE ECHELLE	AS SHOWN	PROJ. No	ISSUE No.	REV. No
		2527	3	0
DRAWN BY	S.R.	DRAWING/DESSIN		
CHECKED BY VÉRIFIÉ PAR	J.J.	**A020**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A020.DWG		

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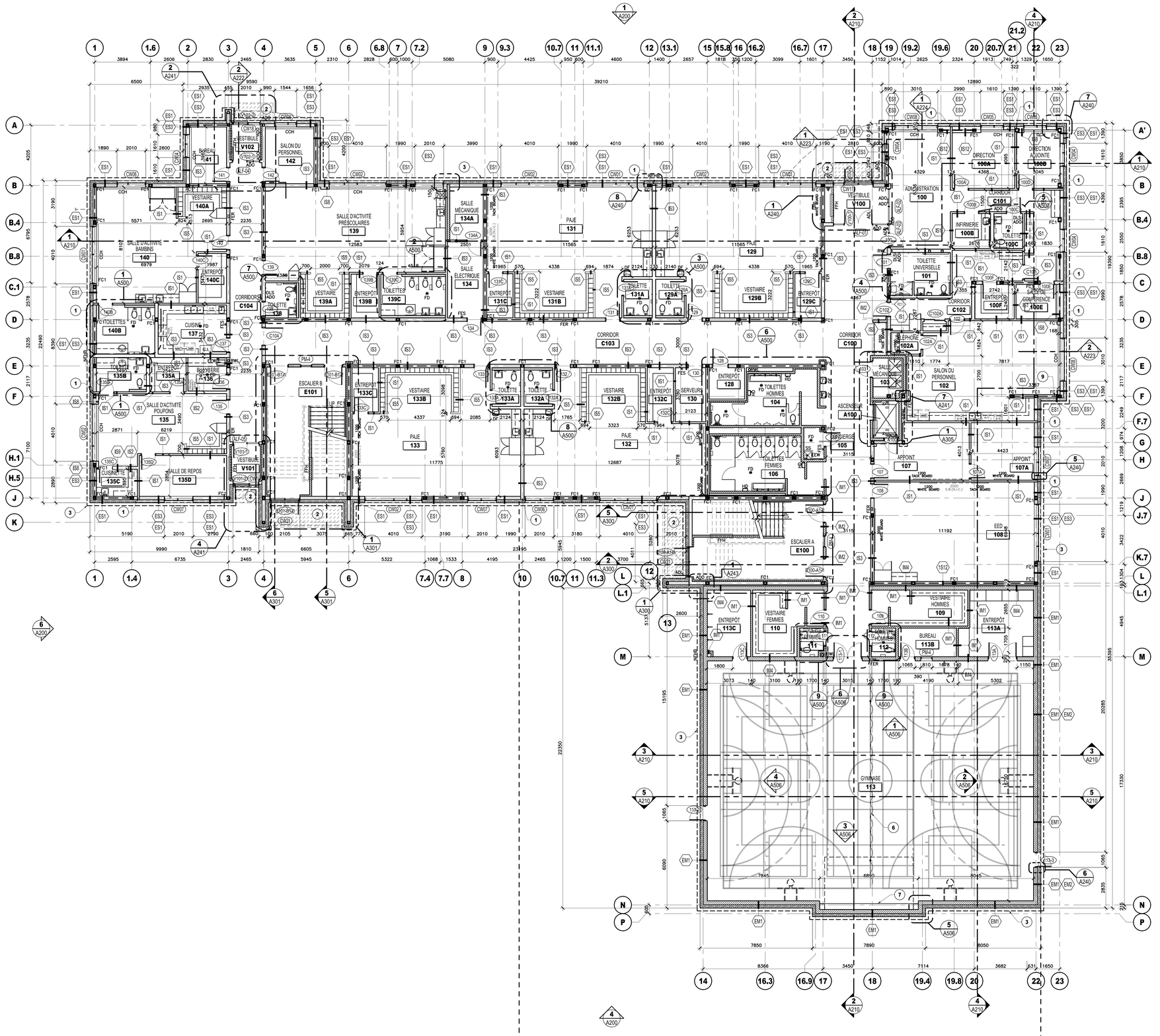

LEGEND

- STRUCTURAL BRACE FRAME, REFER TO STRUCTURAL
- 100mm HORIZONTAL RIGID INSULATION BELOW PAVING AT ENTRANCES, EXTEND MINIMUM 1220mm FROM FACE OF FOUNDATION WALL, SEE SECTION DETAILS.
- FD FLOOR DRAIN
- RWL RAIN WATER LEADER, REFER TO MECHANICAL
- ADO AUTOMATIC DOOR OPERATOR ACTUATOR BUTTON
- NHB HOSE BIBB

GENERAL NOTES

1. COORDINATE EXTERIOR WALL ASSEMBLY CLADDING/VENEER WITH BUILDING ELEVATIONS DRAWING A200 AND WALL TYPES DRAWING A010.

DRAWING NOTES

1. EXTEND ENTIRE GYPSUM BOARD INTERIOR WALL ASSEMBLY INTO EXTERIOR WALL STEEL STUD CAVITY UP TO INTERIOR FACE OF EXTERIOR SHEATHING BOARD.
2. EXTENT OF 100mm PAVING INSULATION, 3m FROM FACE OF FOUNDATION WALL.
3. PERIMETER FOUNDATION DRAINAGE, SEE CIVIL DRAWINGS AND SPECIFICATIONS.
4. 12"X48" END PANEL, SEE SPECIFICATIONS
5. SHELVES WITH COAT HOOKS, SEE SPECIFICATIONS
6. GYM DIVIDER CURTAIN
7. RETRACTABLE STAGE
8. 100mm CONCRETE HOUSEKEEPING PAD MECHANICAL DRAWINGS
9. IN STEEL STUDS WALL CAVITY PROVIDE 19mm P.T. PLYWOOD BACKING FOR NATURAL GAS PIPING SUPPORT, COORDINATE WITH GAS SERVICE INSTALLER
10. TYPICAL: FREESTANDING HEATING UNIT, SEE MECHANICAL DRAWINGS

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/27	ISSUED FOR BUILDING PERMIT
2	0	2026/03/09	ISSUED FOR 70% SUBMISSION
1	0	2025/12/18	ISSUED FOR COORDINATION

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GROUND FLOOR PLAN

SCALE / ÉCHELLE	1:100	PROJ. No	2527
ISSUE No	4	REV. No	0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN	A101
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A101.DWG	

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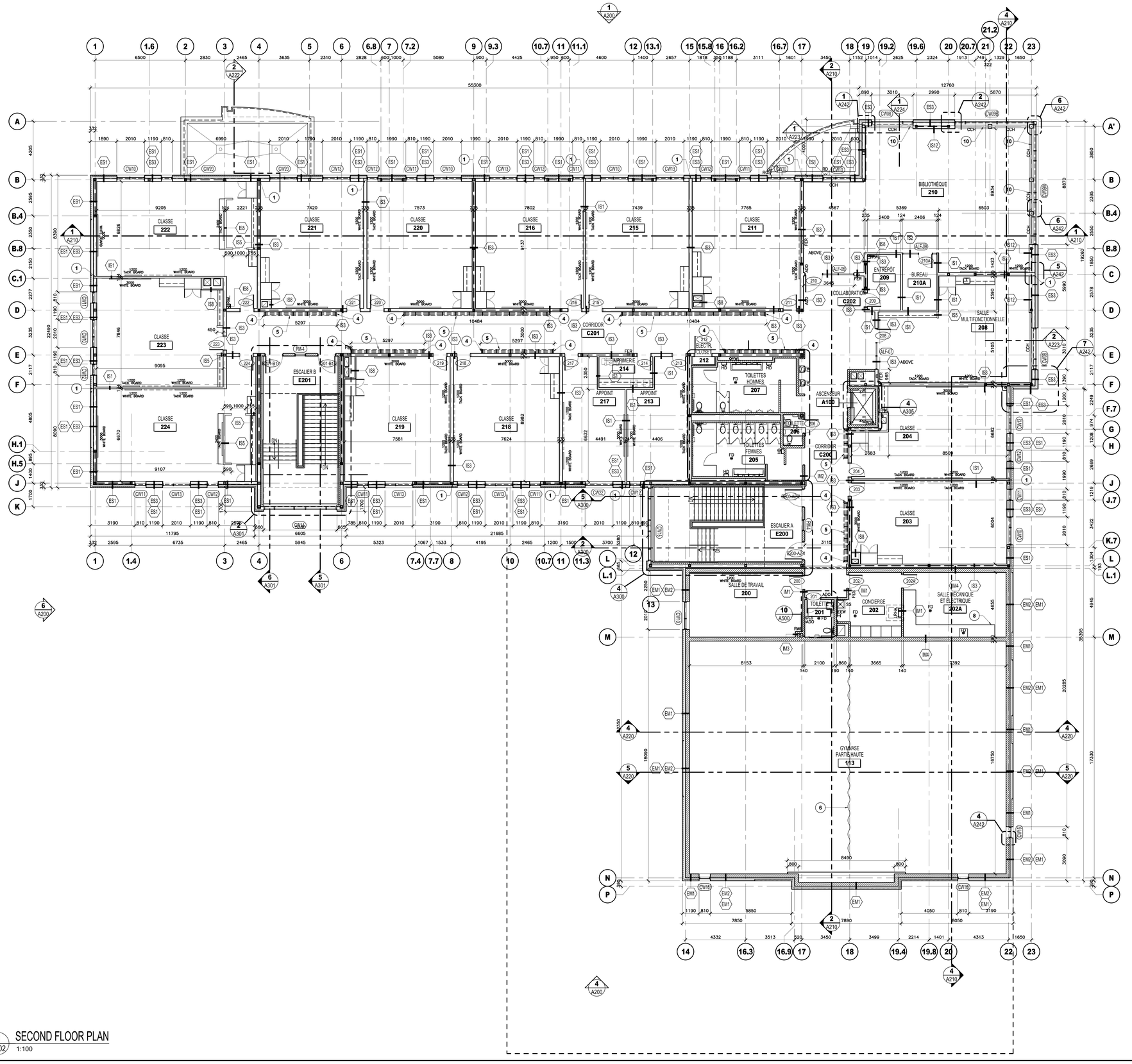

1 / A102 SECOND FLOOR PLAN
1:100

LEGEND

- STRUCTURAL BRACE FRAME, REFER TO STRUCTURAL
- 100mm HORIZONTAL RIGID INSULATION BELOW PAVING AT ENTRANCES, EXTEND MINIMUM 1220mm FROM FACE OF FOUNDATION WALL, SEE SECTION DETAILS.
- FD FLOOR DRAIN
- RWL RAIN WATER LEADER, REFER TO MECHANICAL
- ADO AUTOMATIC DOOR OPERATOR ACTUATOR BUTTON
- NHB HOSE BIBB

GENERAL NOTES

1. COORDINATE EXTERIOR WALL ASSEMBLY CLADDING/VENEER WITH BUILDING ELEVATIONS DRAWING A200 AND WALL TYPES DRAWING A010.

DRAWING NOTES

1. EXTEND ENTIRE GYPSUM BOARD INTERIOR WALL ASSEMBLY INTO EXTERIOR WALL STEEL STUD CAVITY UP TO INTERIOR FACE OF EXTERIOR SHEATHING BOARD.
2. EXTENT OF 100mm PAVING INSULATION, 3m FROM FACE OF FOUNDATION WALL.
3. PERIMETER FOUNDATION DRAINAGE, SEE CIVIL DRAWINGS AND SPECIFICATIONS.
4. 12"X48" END PANEL, SEE SPECIFICATIONS
5. SHELVES WITH COAT HOOKS, SEE SPECIFICATIONS
6. GYM DIVIDER CURTAIN
7. RETRACTABLE STAGE
8. 100mm CONCRETE HOUSEKEEPING PAD MECHANICAL DRAWINGS
9. IN STEEL STUDS WALL CAVITY PROVIDE 19mm P.T. PLYWOOD BACKING FOR NATURAL GAS PIPING SUPPORT, COORDINATE WITH GAS SERVICE INSTALLER
10. TYPICAL: FREESTANDING HEATING UNIT, SEE MECHANICAL DRAWINGS

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/27	ISSUED FOR BUILDING PERMIT
2	0	2026/03/09	ISSUED FOR 70% SUBMISSION
1	0	2025/12/18	ISSUED FOR COORDINATION

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CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECOND FLOOR PLAN

SCALE / ÉCHELLE	1:100	PROJ. No	2527
		ISSUE No.	4
		REV. No	0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN	A102
CHECKED BY / VÉRIFIÉ PAR	J.J.		
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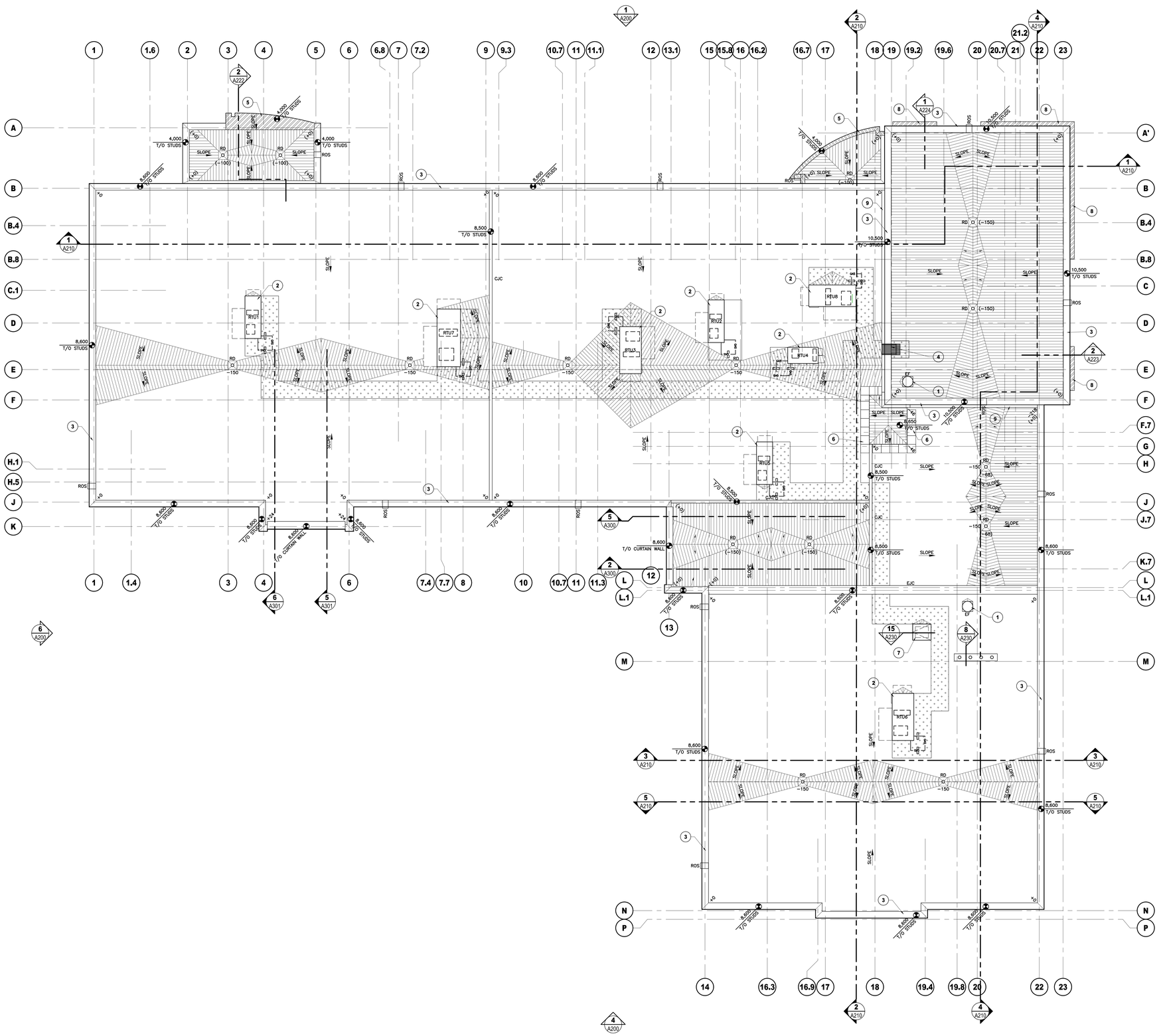

GENERAL NOTES

1. WHERE THICKNESS OF TAPERED INSULATION IS NOT INDICATED, THE MIN. SLOPE FOR THE ROOFING AT THE TAPERED INSULATION SHALL BE 15mm PER LINEAR METER. ADJUST INSULATION THICKNESS TO SUIT.
2. ROOFING CONTRACTOR TO COORDINATE ALL MECHANICAL AND ELECTRICAL INCLUDING EXTENT QUANTITY AND TYPE OF ROOF TOP EQUIPMENT. FOR ROOF PENETRATIONS SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION.
4. FOR TYPICAL DETAILS AT ROOF TOP EQUIPMENT AND PENETRATIONS, REFER TO ARCHITECTURAL DETAILS, ALSO REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS. IN THE EVENT OF CONFLICT BETWEEN DRAWINGS, THE MOST STRINGENT SHALL GOVERN.
5. INSTALL ALL MECHANICAL AND ELECTRICAL ROOF PENETRATIONS PRIOR TO ROOF MEMBRANE INSTALLATION
6. ALL ROOF CURBS SHALL BE LEVEL.
7. IN THE EVENT OF DISCREPANCIES FOR THE LOCATION OF MECHANICAL OR ELECTRICAL ITEMS TO BE INCORPORATED, THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
8. ALL ROOF OVERFLOW SCUPPERS SHALL BE INSTALLED SO THAT THE BOTTOM OF EACH SCUPPER IS 150mm ABOVE ADJACENT ROOF DRAIN ELEVATIONS. ELEVATIONS TO BE MEASURED FROM FLANGE OF ROOF DRAIN.

DRAWING LEGEND

- RD — ROOF DRAIN, REFER TO MECHANICAL AND ROOF DETAILS
- ORD — OVERFLOW ROOF DRAIN; REFER TO MECHANICAL AND ROOF DETAILS
- ROS — ROOF OVERFLOW SCUPPER, REFER TO ROOF DETAILS
- CJC — CONTROL JOINT CURB
- EJC — EXPANSION JOINT CURB
- EF# — EXHAUST FAN, REFER TO MECHANICAL AND ROOF DETAILS
- GOOSENECK, REFER TO MECHANICAL AND ROOF DETAILS
- MODIFIED BITUMINOUS ROOFING
- SLOPE — MODIFIED BITUMINOUS ROOFING WITH TAPERED RIGID INSULATION TO PROVIDE A POSITIVE FINISHED SLOPE OF 2% MINIMUM
- 1200mm WIDE MODIFIED BITUMINOUS ROOFING WALKWAY PROTECTION
- COMPOSITE ALUMINUM PANELS
- RTU# — MECHANICAL ROOF TOP UNIT #
- +0 — HIGH POINT (STUCTURE)
- (+0) — HIGH POINT (INSULATION)
- -### — ELEVATION OF STUCTURE AT LOW POINT RELATIVE TO HIGH POINT
- +### — ELEVATION OF STRUCTURE AT HIGH POINT RELATIVE TO HIGH POINT
- (-###) — ELEVATION OF TAPERED INSULATION AT LOW POINT RELATIVE TO INSULATION HIGH POINT
- (+###) — ELEVATION OF TAPERED INSULATION AT HIGH POINT RELATIVE TO INSULATION HIGH POINT
- ## T/O ——— ELEVATION OF ROOF PARAPET MEASURED TO T/O STUDS, T/O BLOCK OR T/O CURTAIN WALL

DRAWING NOTES

1. EXHAUST FAN, REFER TO MECHANICAL DRAWINGS
2. ROOFTOP UNIT, REFER TO MECHANICAL DRAWINGS
3. PARAPET PRE-FINISHED METAL CAP FLASHING
4. ROOF LADDER WITH PLATFORM
5. TOP OF COMPOSITE ALUMINUM PANEL
6. 600x600mm CONCRETE PAVER SPLASH PADS ON 50mm RIGID INSULATION FULL EXTENT OF PAVERS BELOW SLOPED ELEVATOR PENTHOUSE ROOF DRIP EDGE
7. ROOF HATCH
8. COMPOSITE ALUMINUM PANELS BELOW
9. LOW/HIGH ROOF CURB WITH PREFINISHED METAL CAP FLASHING

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3	0	2026/04/24	ISSUED FOR TENDER
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1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ROOF PLAN

SCALE / ÉCHELLE	1:100	PROJ. No	2527
		ISSUE No.	3
		REV. No	0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN	A103
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A103.DWG	

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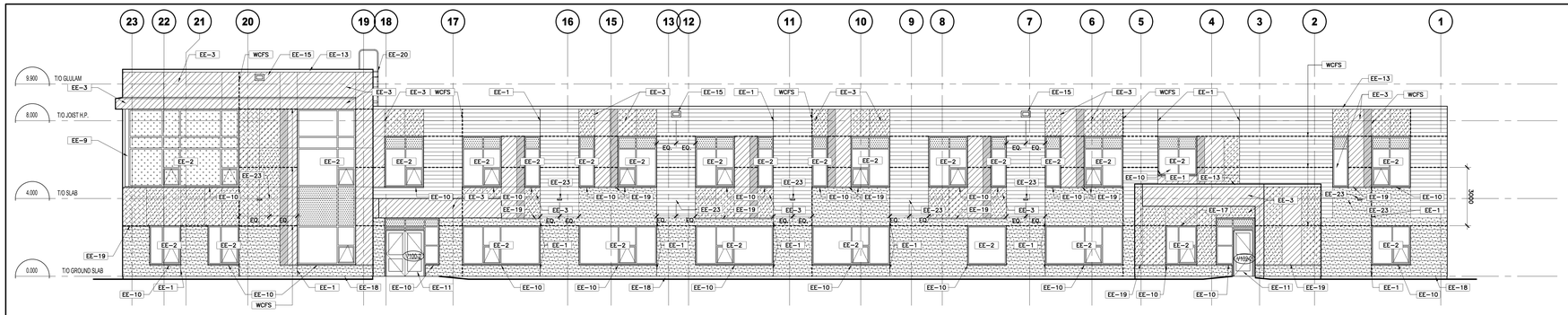
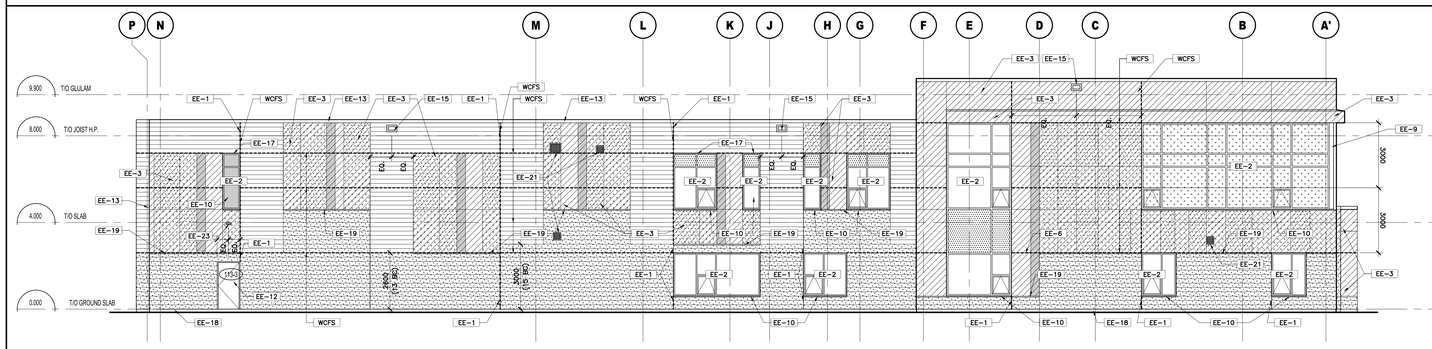
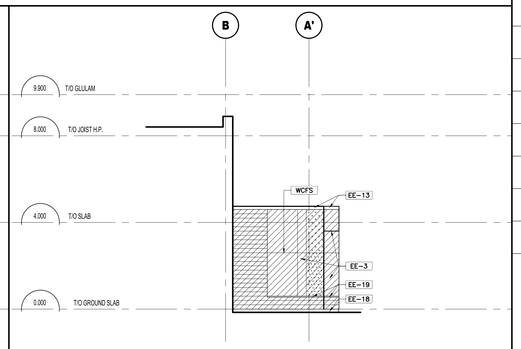


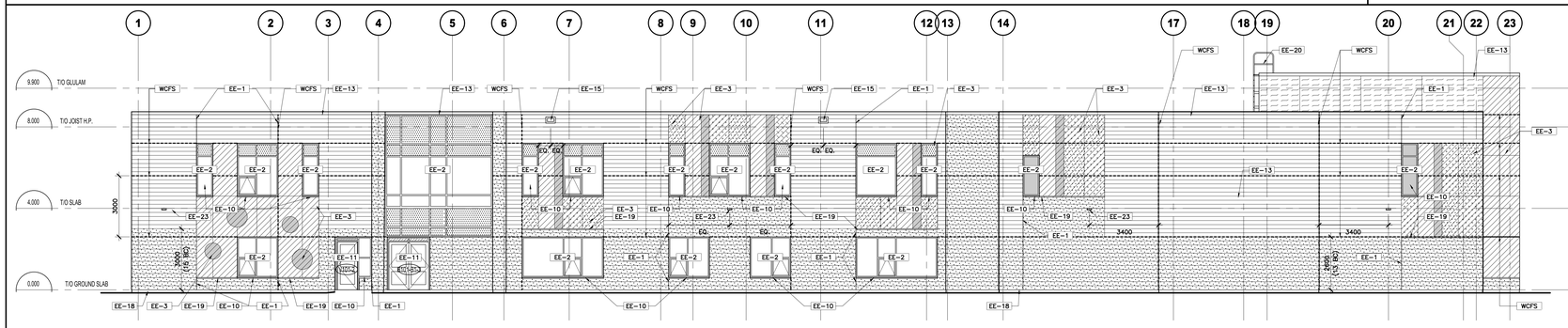
1 A200 **NORTH ELEVATION**
1:100



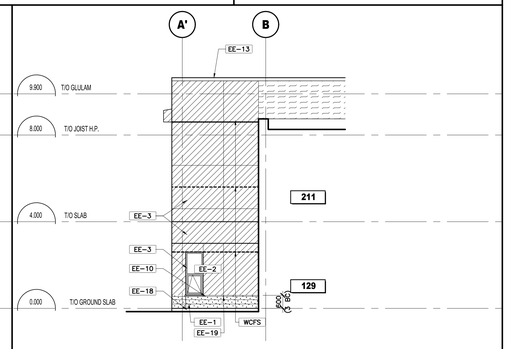
2 A200 **EAST ELEVATION**
1:100



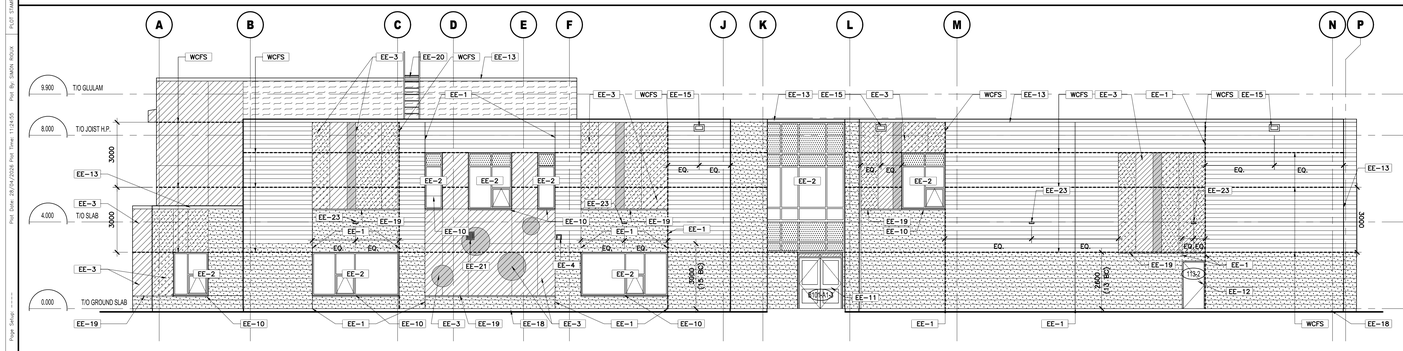
3 A200 **PARTIAL EAST ELEVATION**
1:100



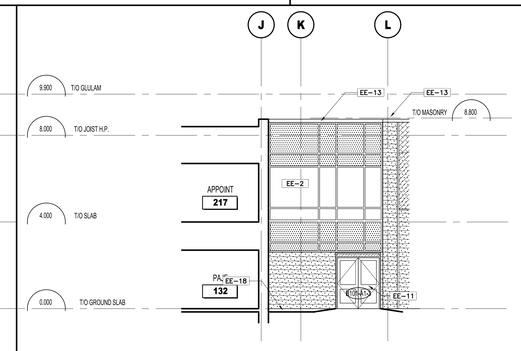
4 A200 **SOUTH ELEVATION**
1:100



5 A200 **PARTIAL WEST ELEVATION**
1:100



6 A200 **WEST ELEVATION**
1:100



7 A200 **PARTIAL WEST STAIR ELEVATION**
1:100

KEY NOTES

EE-1	MASONRY CONTROL JOINT
EE-2	ALUMINUM CURTAIN WALL SYSTEM
EE-3	COMPOSITE ALUMINUM PANEL
EE-4	MECHANICAL WALL CAP, SEE MECHANICAL
EE-5	RESERVED
EE-6	TYP. JOINT LOCATION BETWEEN COMPOSITE ALUMINUM PANELS
EE-7	RESERVED
EE-8	RESERVED
EE-9	PREFORMED 3mm ALUMINUM CLOSURE
EE-10	2mm ALUMINUM WINDOW SILL
EE-11	ALUMINUM SWING DOOR
EE-12	PRESSED HOLLOW METAL DOOR AND FRAME
EE-13	PREFINISHED METAL CAP FLASHING
EE-14	EXTERIOR WALL MOUNTED LIGHTING FIXTURE
EE-15	ROOF OVERFLOW SCUPPER
EE-16	RESERVED
EE-17	RESERVED
EE-18	EXPOSED FOUNDATION WALL - ARCHITECTURAL CONCRETE FINISH
EE-19	PREFINISHED METAL FLASHING
EE-20	ROOF ACCESS LADDER AND PLATFORM
EE-21	LOUVRE, REFER TO MECHANICAL
EE-22	ROOF OVERFLOW DRAIN SPOUT
EE-23	TYP. WALL MOUNT LIGHT FIXTURE
WCFS	WALL CAVITY FIRE-BLOCK

MATERIALS LEGEND

- SPECIAL MASONRY UNITS SMU-1
- SPECIAL MASONRY UNITS SMU-2
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 1
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 2
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 3
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 4
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 4
- EXTERIOR COMPOSITE ALUMINUM PANEL SYSTEM COLOUR 5
- PRE-FINISHED METAL SIDING
- VISION INSULATED GLASS UNITS CLEAR IN ALUMINUM CURTAIN WALL

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DRAWING TITLE/TITRE DU DESSIN
ELEVATIONS

SCALE / ÉCHELLE	1:100	PROJ. No	ISSUE No. 3 / REV. No 0
		2527	
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN	A200
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026		

ACAD FILE/FICHIER: 2527-A200.DWG

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Plot By: SIMON ROCK
Plot Date: 26/04/2026 Plot Time: 11:24:55
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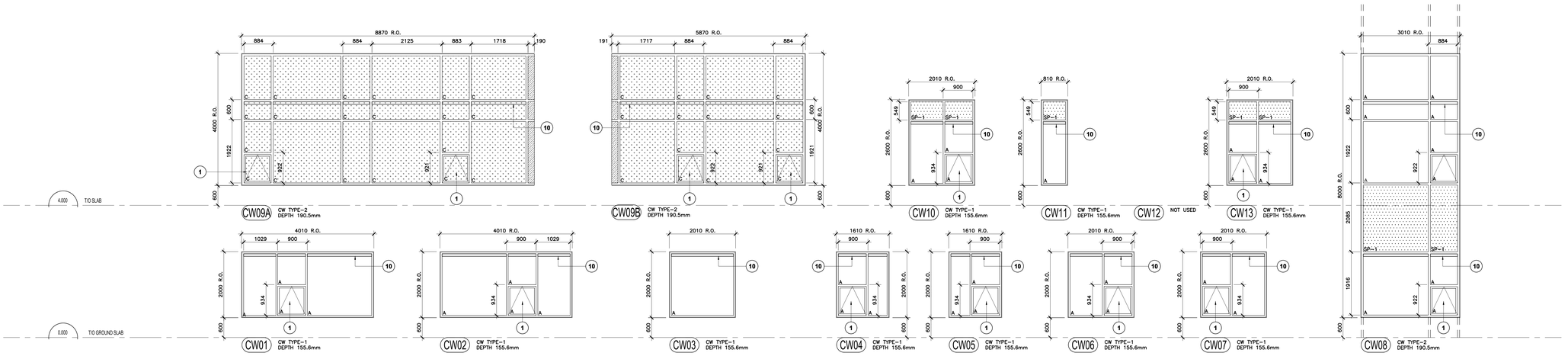
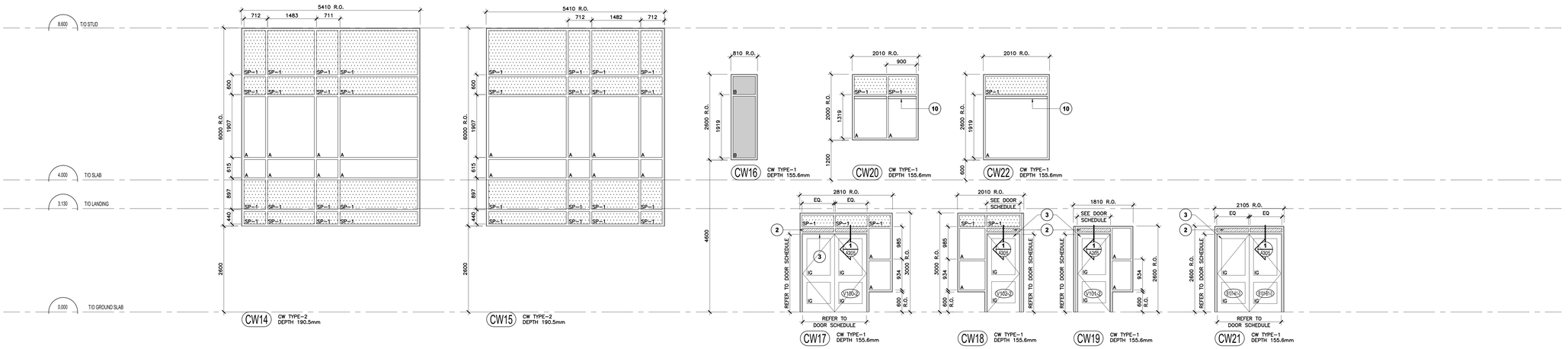
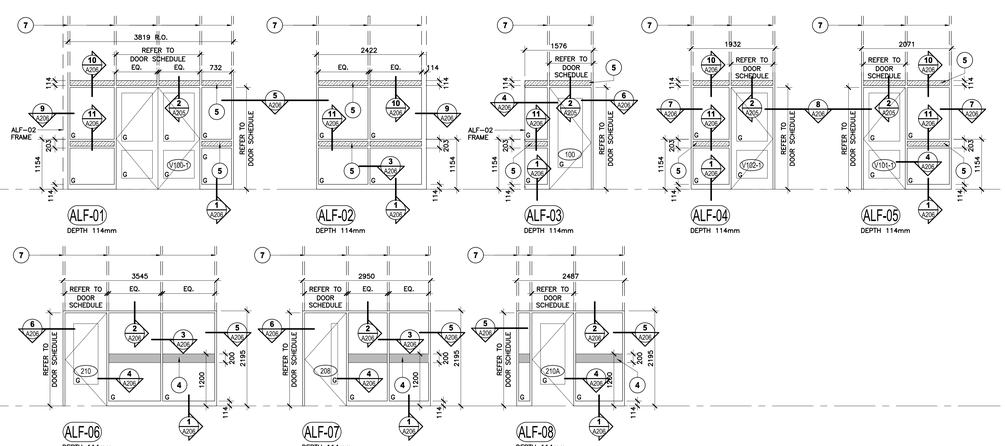
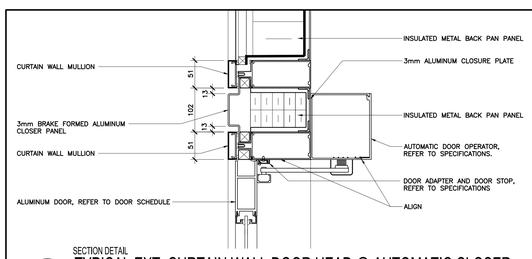
Plotter: DWG TO PDF.PC3

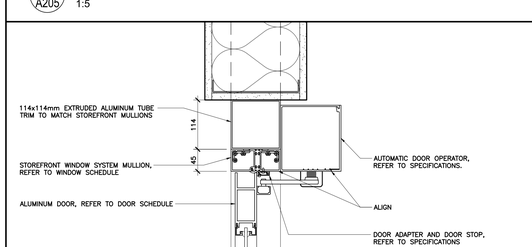








1 A205 SECTION DETAIL
TYPICAL EXT. CURTAIN WALL DOOR HEAD @ AUTOMATIC CLOSER
1:5



2 A205 SECTION DETAIL
TYPICAL INT. STOREFRONT DOOR HEAD @ AUTOMATIC CLOSER
1:5

DRAWING NOTES

1. OPERABLE WINDOW.
2. 3mm BRAKE FORMED ALUMINUM ENCLOSURE
3. SURFACE MOUNTED DOOR CLOSER OR OPERATOR BEHIND HEADER MULLION AND SPANDREL PANEL, SEE DETAIL 1/A205.
4. CONTINUOUS SAFETY STRIP FILM APPLIED ON GLASS.
5. 114x114 ALUMINUM TUBE FRAME
6. 114 ALUMINUM 3 POCKET 90° CORNER TUBE FRAME
7. EXTEND VERTICAL MULLION TO U/S OF STRUCTURE AND FLOOR STRUCTURE FOR ANCHORING
8. 3mm ALUMINUM BACK PANEL, FLUSH WITH CURTAIN WALL FRAMING
9. CONTINUOUS EXTRUDED ALUMINUM ANGLE
10. WINDOW BLIND

LEGEND

- 3mm BRAKE FORMED ALUMINUM UNLESS NOTED OTHERWISE
- SPANDREL GLAZING WITH INSULATED BACK PAN PANEL. BACK PANS TO BE 3mm SHALLOW OF INTERIOR FACE OF MULLIONS.
- VISION GLASS UNITS – CLEAR
- VISION GLASS UNITS – TRANSLUCENT
- VISION GLASS UNITS – CERAMIC FRIT
- 19 P.T. PLYWOOD FACING WITH INSULATED BACK PAN PANEL BEHIND
- GLAZING TYPES – REFER TO SPEC SECTION 08 80 50

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
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EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-194 Telephone (613) 226-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WINDOW SCHEDULE

SCALE ÉCHELLE	1:50	PROJ. No	2527
DRAWN BY DESSINÉ PAR	S.R.	ISSUE No.	3
CHECKED BY VÉRIFIÉ PAR	J.J.	REV. No	0
DATE	MAR 2026	DRAWING/DESSIN	A205

ACAD FILE/FICHIER: 2527-A205.DWG

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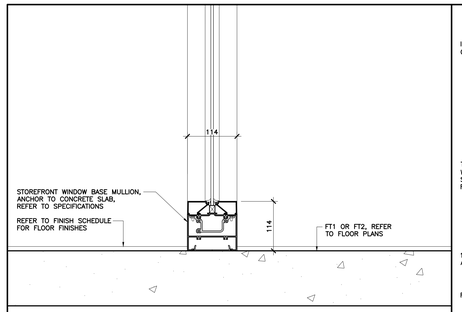
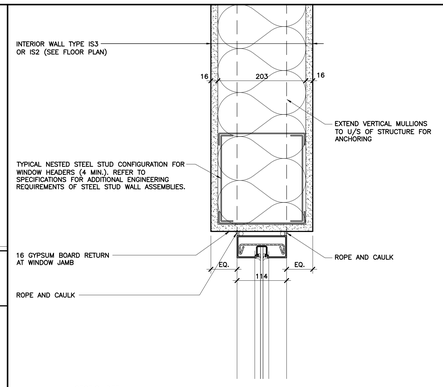
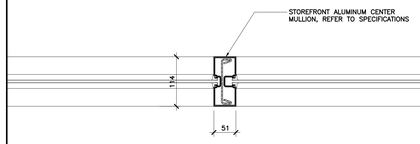


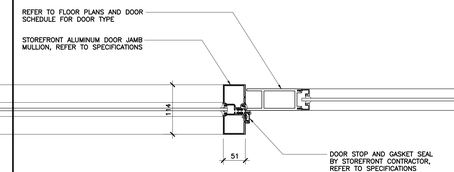
SECTION DETAIL
1 A206 **STOREFRONT MULLION BASE**
1:5



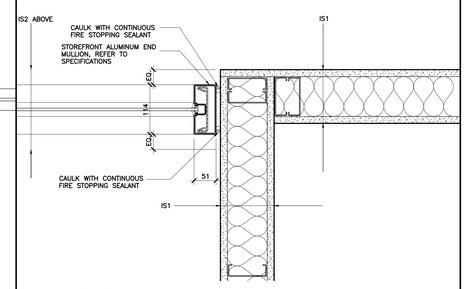
SECTION DETAIL
2 A206 **STOREFRONT HEAD @ GYPSUM BOARD**
1:5



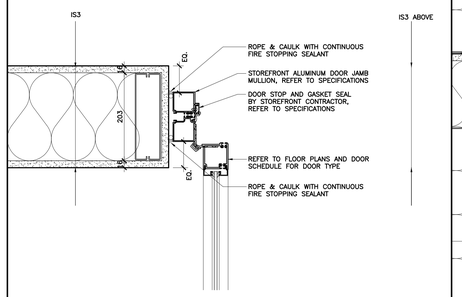
PLAN DETAIL
3 A206 **STOREFRONT VERTICAL INTERMEDIATE MULLION**
1:5



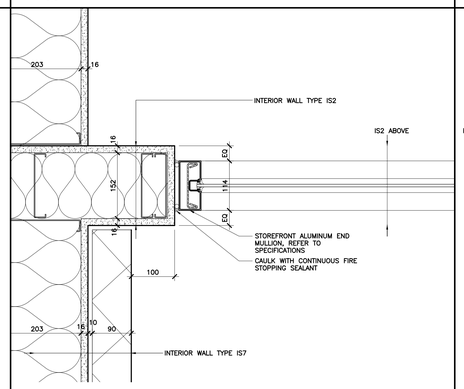
PLAN DETAIL
4 A206 **STOREFRONT MULLION @ DOOR LATCH**
1:5



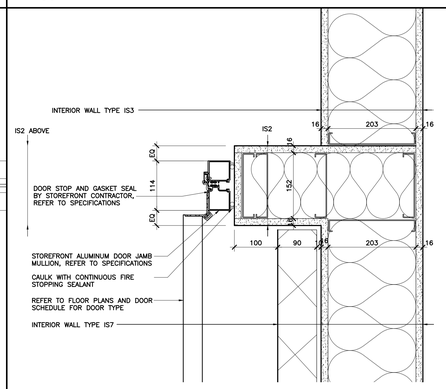
PLAN DETAIL
5 A206 **STOREFRONT MULLION @ GYPSUM BOARD**
1:5



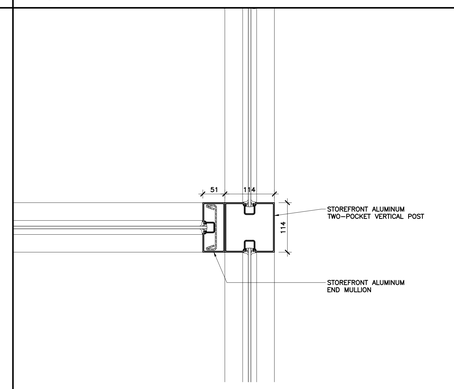
PLAN DETAIL
6 A206 **STOREFRONT MULLION @ GYPSUM BOARD DOOR JAMB**
1:5



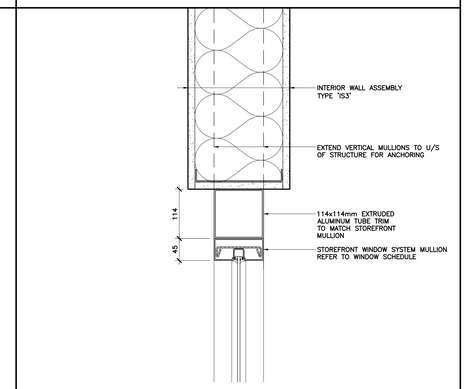
PLAN DETAIL
7 A206 **STOREFRONT MULLION @ MASONRY VENEER**
1:5



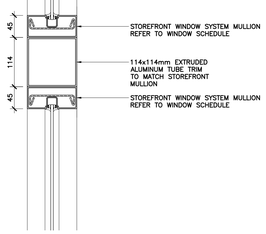
PLAN DETAIL
8 A206 **STOREFRONT MULLION @ MASONRY VENEER DOOR**
1:5



PLAN DETAIL
9 A206 **STOREFRONT 3-WAY VERTICAL MULLION**
1:5



SECTION DETAIL
10 A206 **STOREFRONT HEAD @ TUBE**
1:5



SECTION DETAIL
11 A206 **STOREFRONT HORIZONTAL INTERMEDIATE MULLION**
1:5

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ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
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CECCE
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OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WINDOW SCHEDULE

SCALE / ÉCHELLE	AS SHOWN	PROJ. No 2527	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	J.J.	**A206**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A206.DWG		

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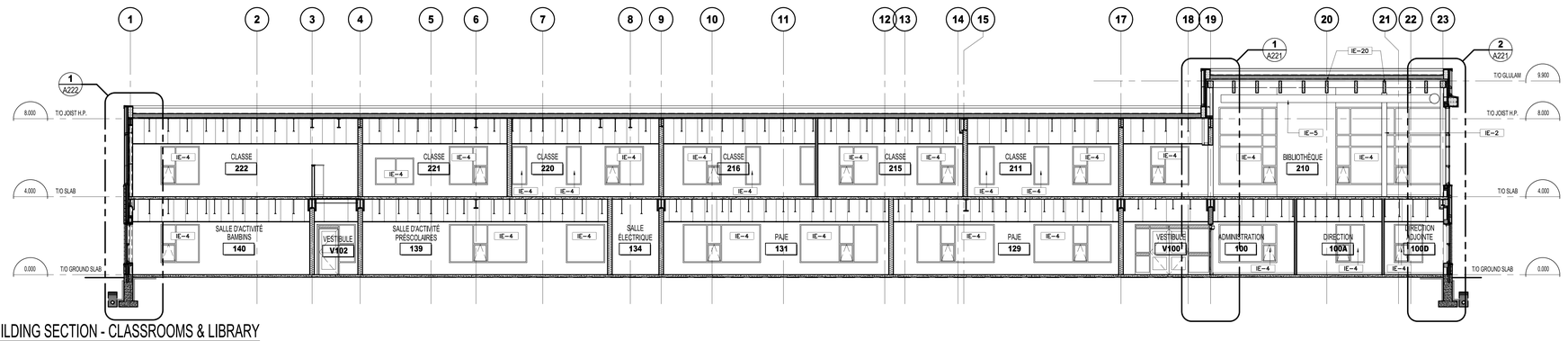
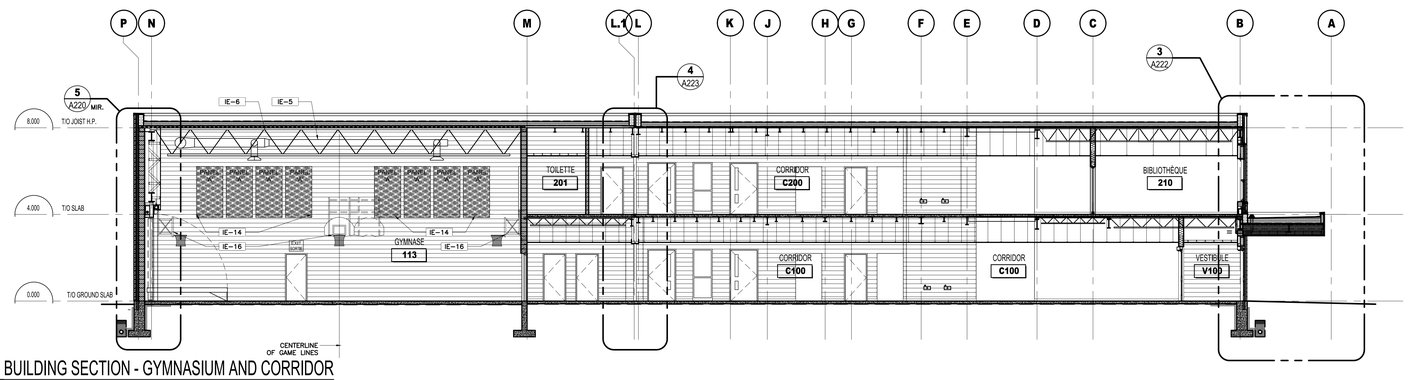
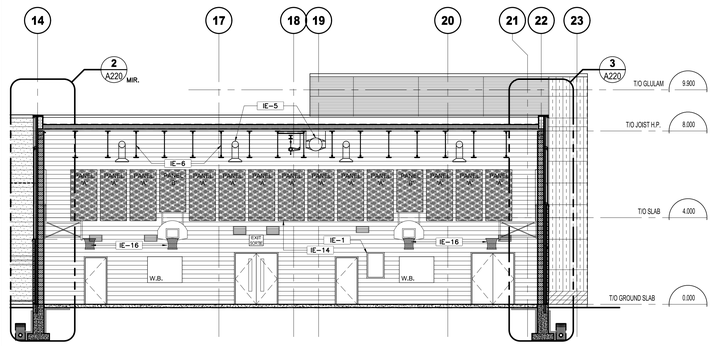


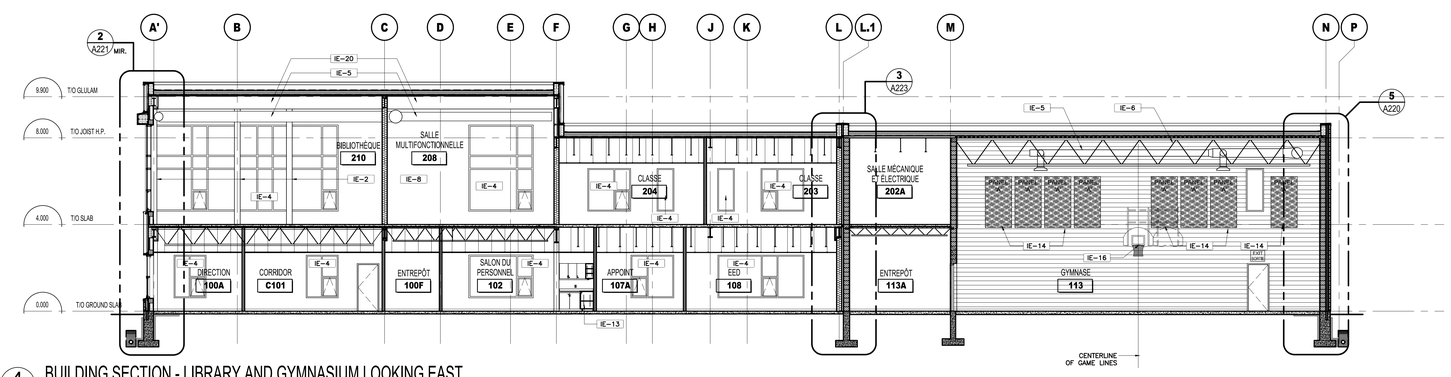
1 A210 BUILDING SECTION - CLASSROOMS & LIBRARY
1:100



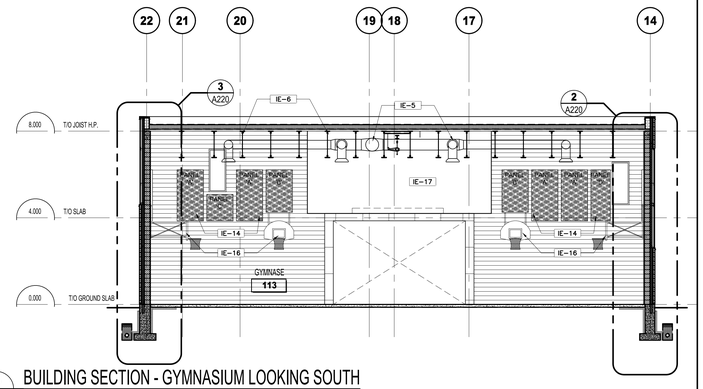
2 A210 BUILDING SECTION - GYMNASIUM AND CORRIDOR
1:100



3 A210 BUILDING SECTION - GYMNASIUM LOOKING NORTH
1:100



4 A210 BUILDING SECTION - LIBRARY AND GYMNASIUM LOOKING EAST
1:100



5 A210 BUILDING SECTION - GYMNASIUM LOOKING SOUTH
1:100

KEY NOTES

IE-1	PRESSED METAL FRAME WINDOW
IE-2	GLU-LAM COLUMN; SIZE VARIES - REFER TO STRUCTURAL
IE-3	WALL MOUNTED LIGHT FIXTURE, SEE ELEC. DRAWINGS
IE-4	ALUMINUM CURTAIN WALL SYSTEM - SEE WINDOW SCHEDULE
IE-5	MECHANICAL DUCTWORK - REFER TO MECHANICAL
IE-6	EXPOSED STRUCTURAL STEEL BEAM/JOIST
IE-7	EXPOSED FOUNDATION WALL - ARCHITECTURAL CONCRETE FINISH
IE-8	GYPSUM BOARD WALL
IE-9	GYPSUM BOARD LOW WALL WITH WOOD CAP
IE-10	RESERVED
IE-11	SUSPENDED LIGHT FIXTURE - REFER TO ELECTRICAL
IE-12	FORCE FLOW HEATER - REFER TO MECHANICAL
IE-13	ARCHITECTURAL WOODWORK
IE-14	PERFORATED METAL ACOUSTIC WALL PANEL
IE-15	RESERVED
IE-16	WALL MOUNTED BASKETBALL NET
IE-17	GYPSUM BOARD BULKHEAD
IE-18	ROOF OVERFLOW SCUPPER
IE-19	ROOF ACCESS LADDER
IE-20	GLU-LAM BEAM; SIZE VARIES - REFER TO STRUCTURAL

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PROJECT TITLE/TITRE DU PROJET
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LEITRIM
3290 FINDLAY CREEK DRIVE
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CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
BUILDING SECTIONS

SCALE ÉCHELLE	1:100	PROJ. No	ISSUE No. 3	REV. No 0
DRAWN BY DESSINE PAR	A.L.	DRAWING/DESSIN		
CHECKED BY VÉRIFIÉ PAR	J.J.	A210		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A210.DWG		

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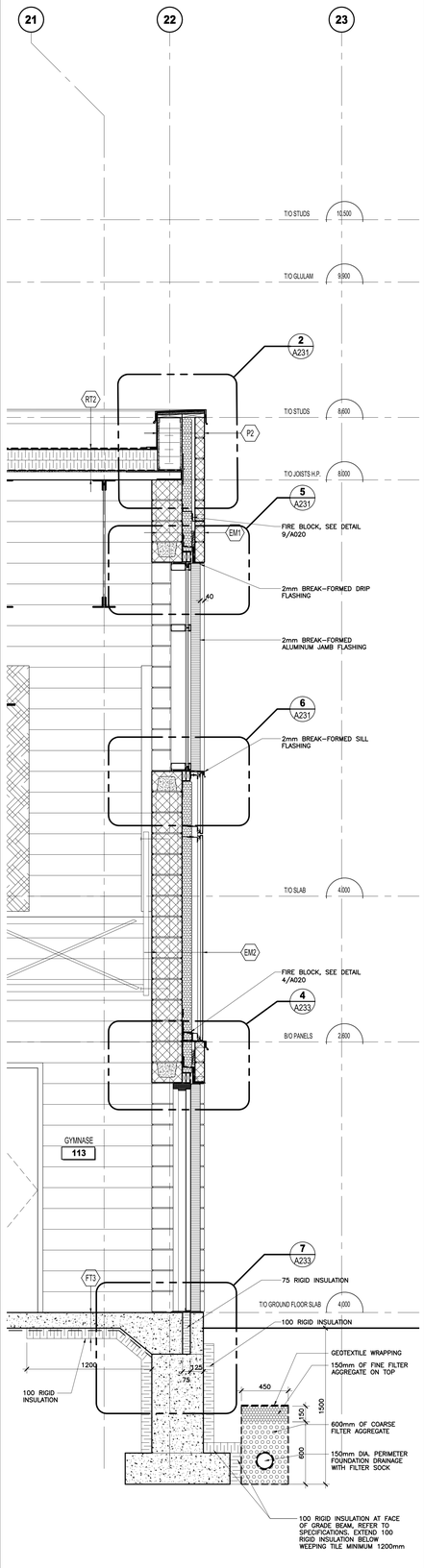
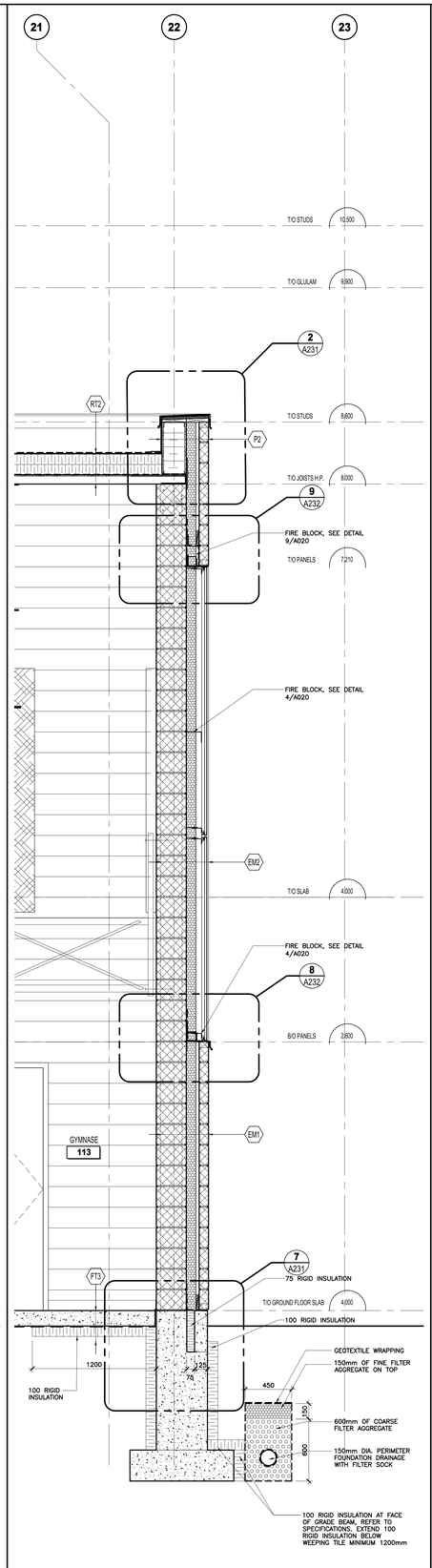
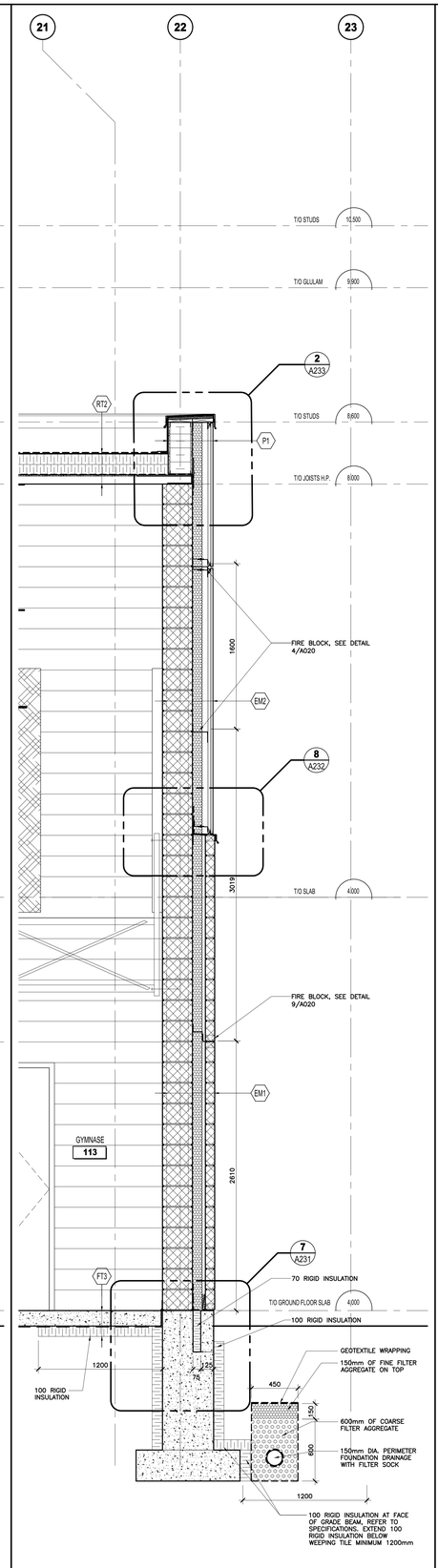


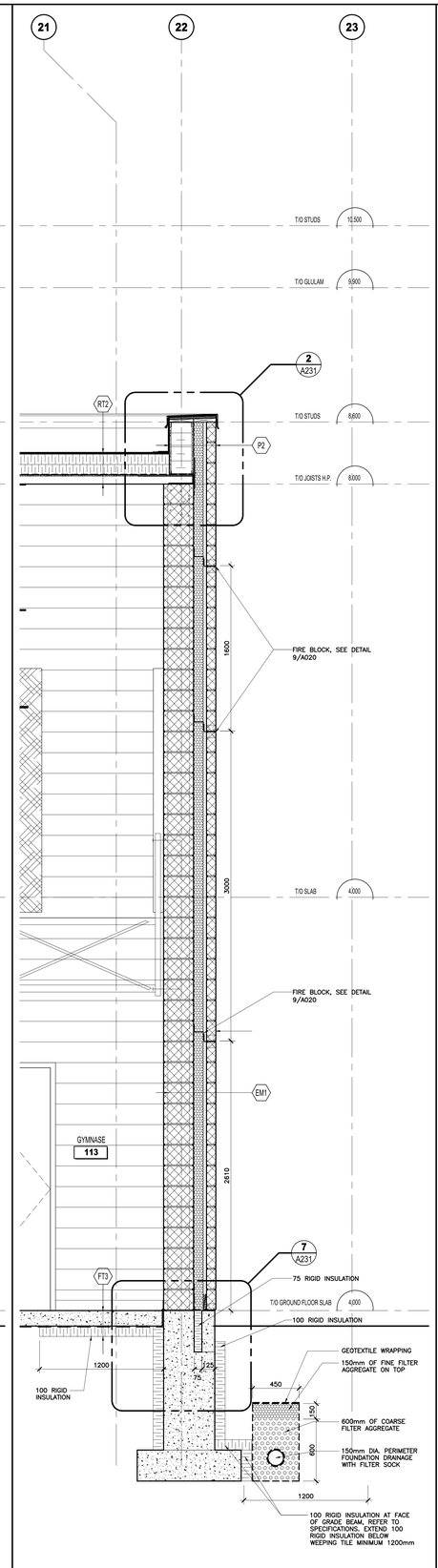
WALL SECTION
1 EXTERIOR WALL @ GYM DOOR
A220 1:20



WALL SECTION
2 EXTERIOR BLOCK & LOW A.C. PANEL WALL @ GYM
A220 1:20



WALL SECTION
3 EXTERIOR BLOCK & A.C. PANEL WALL @ GYM
A220 1:20



WALL SECTION
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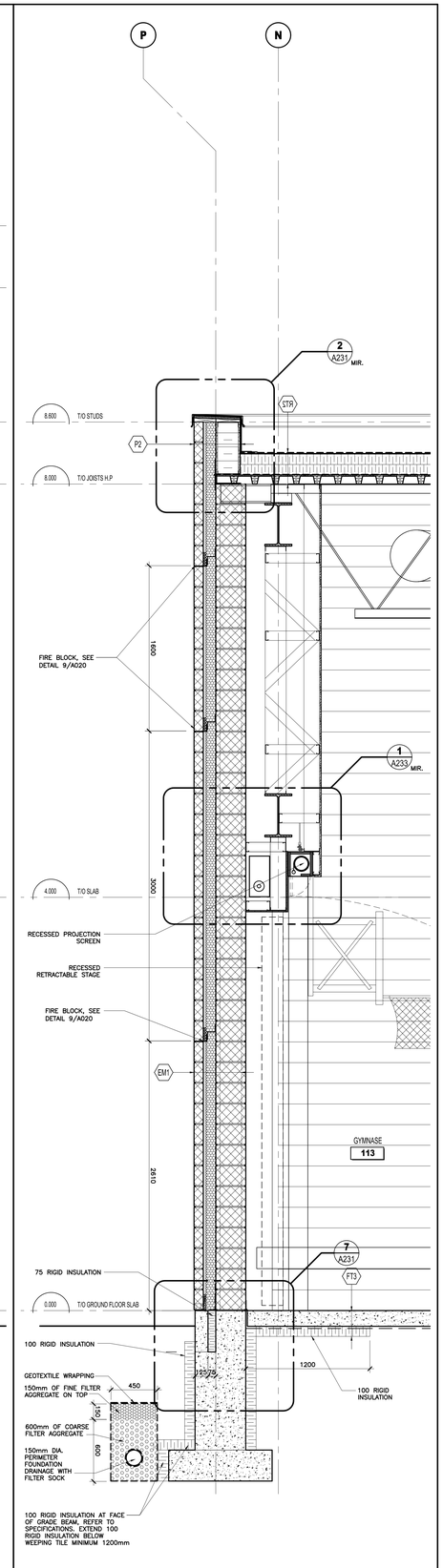
A220 1:20



WALL SECTION
5 EXTERIOR WALL @ GYM STAGE
A220 1:20

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telphone (613) 236-7181 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WALL SECTIONS

SCALE ÉCHELLE	1:20	PROJ. No	ISSUE No.	REV. No.
		2527	3	0
DRAWN BY DESSINÉ PAR	A.L.	DRAWING/DESSIN		
CHECKED BY VERIFIÉ PAR	J.J.	A220		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A220.DWG		

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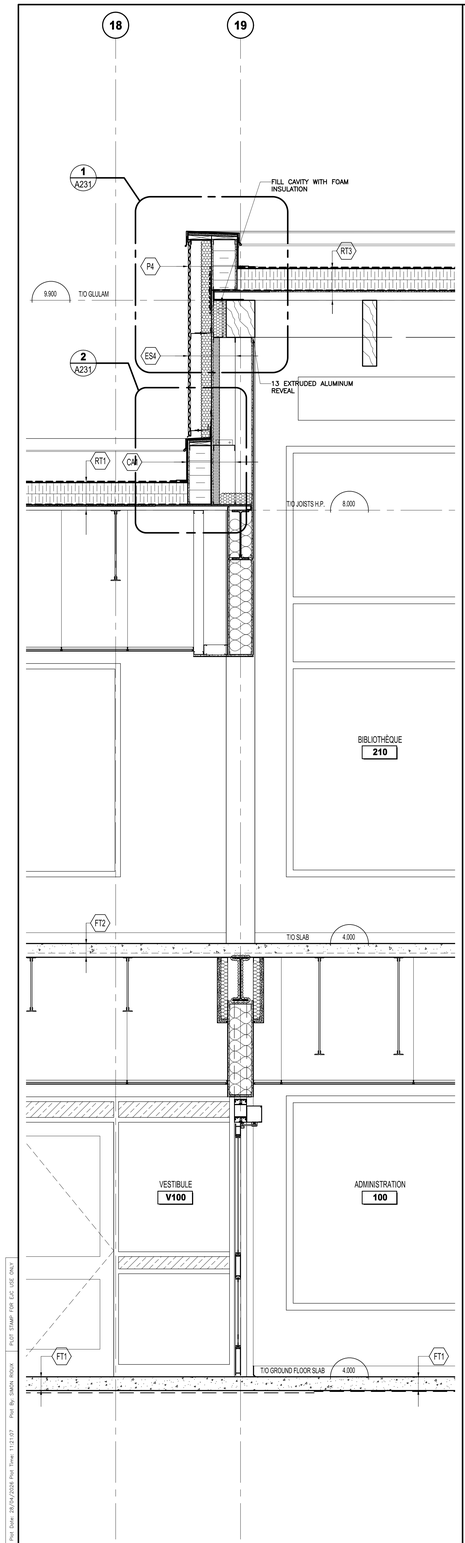
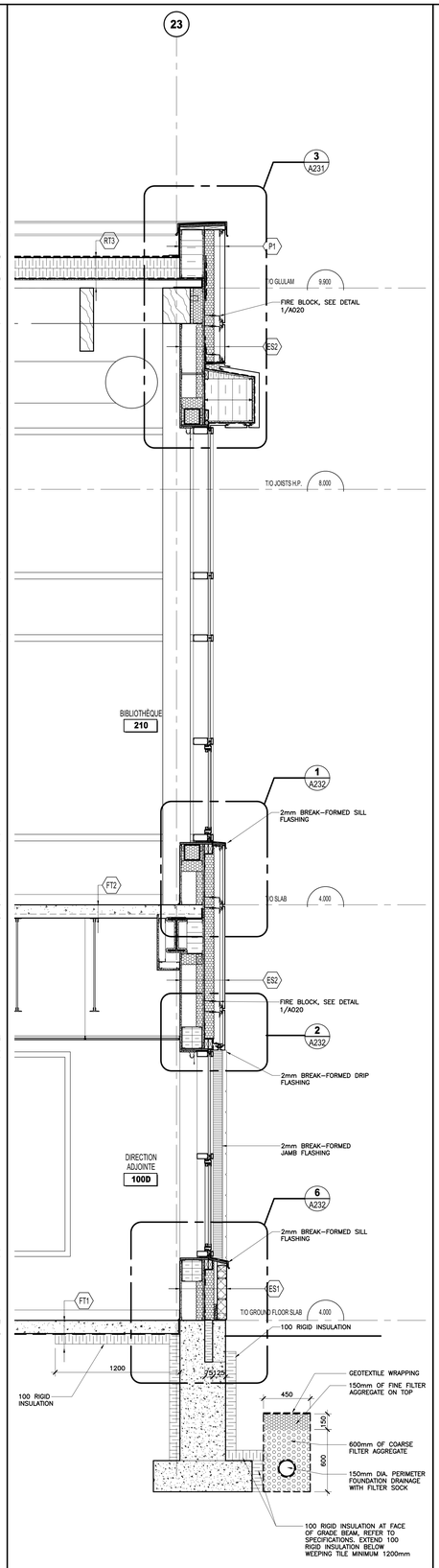


WALL SECTION
1 / A221 EXTERIOR WALL @ HIGH ROOF
1:20



WALL SECTION
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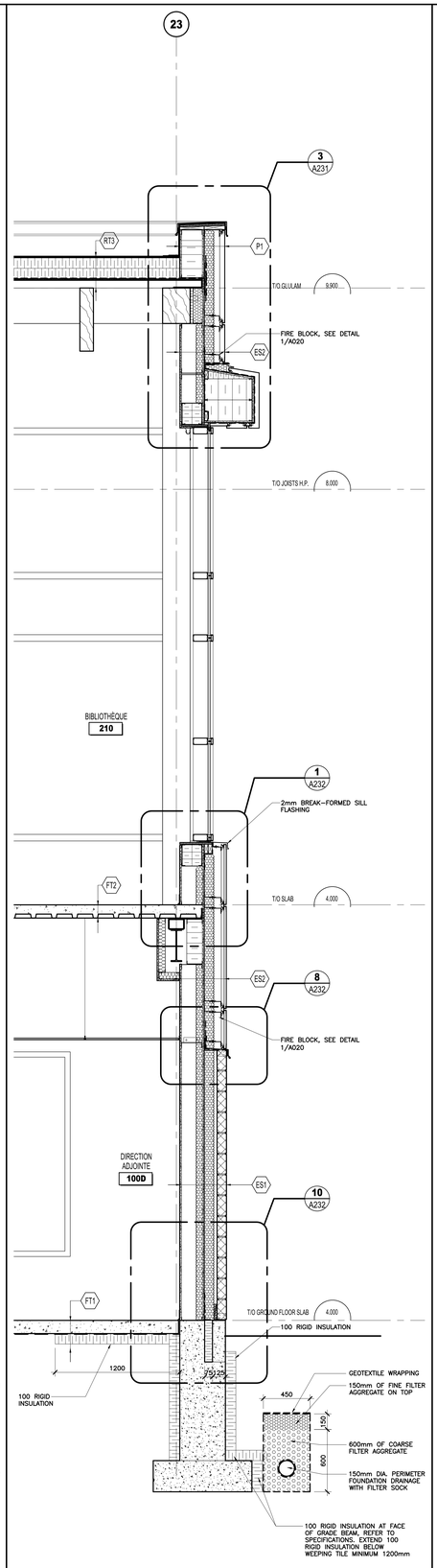
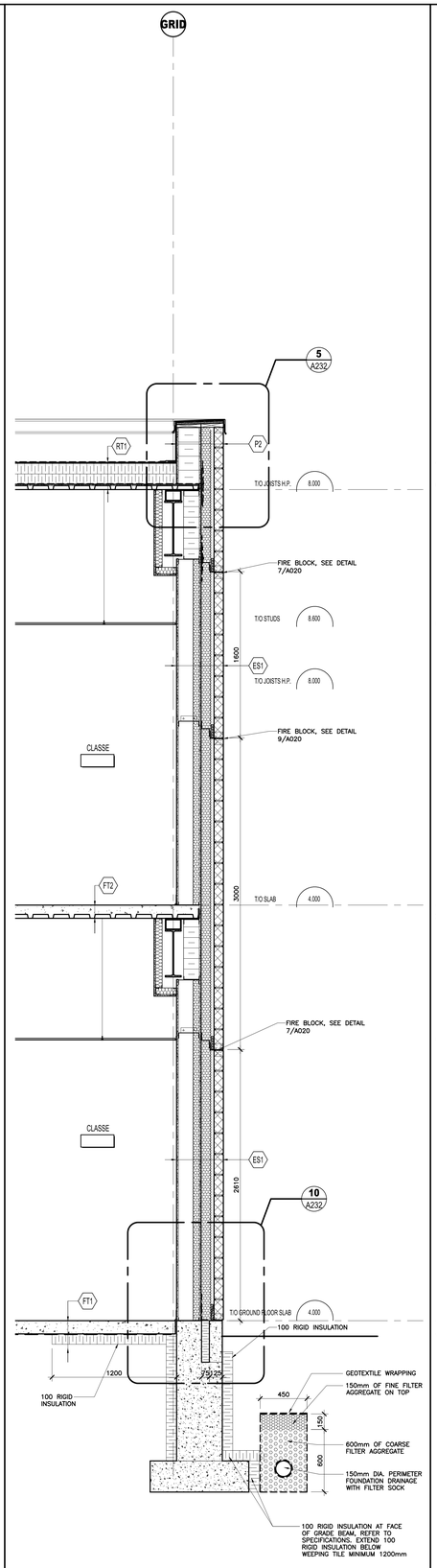
1:20



WALL SECTION
3 / A221 EXTERIOR WALL @ LIBRARY BRICK
1:20



WALL SECTION
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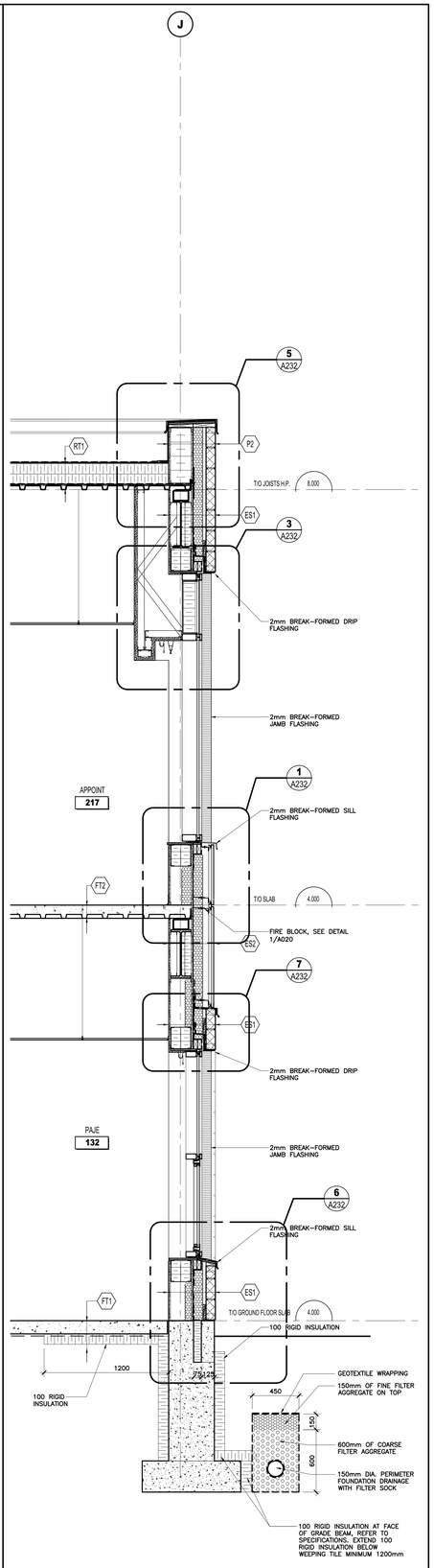
1:20



WALL SECTION
5 / A221 EXTERIOR WALL @ CLASSROOM
1:20

PLOT STAMP FOR EJC (DC) ONLY
Plot By: SIMON ROCK
Plot Date: 26/04/2026 Plot Time: 11:21:07
Page Setup: -----
Printer: ...DWG To PDF.PC3

Écoles catholiques Centre-Est

ISSUE NO.	REV NO.	DATE YY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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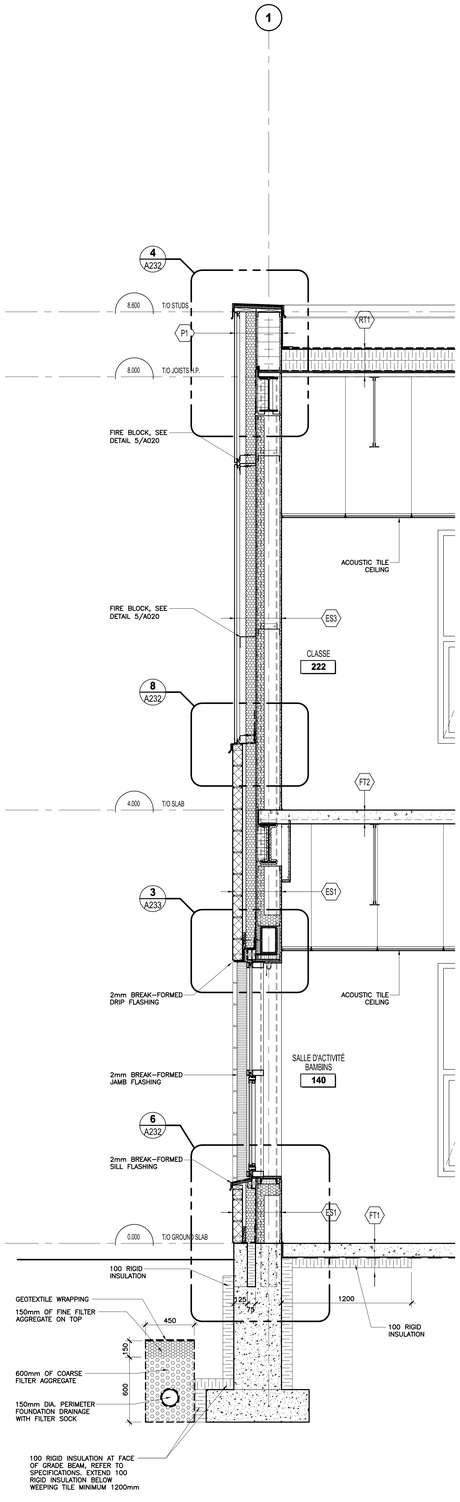
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telephone (613) 236-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

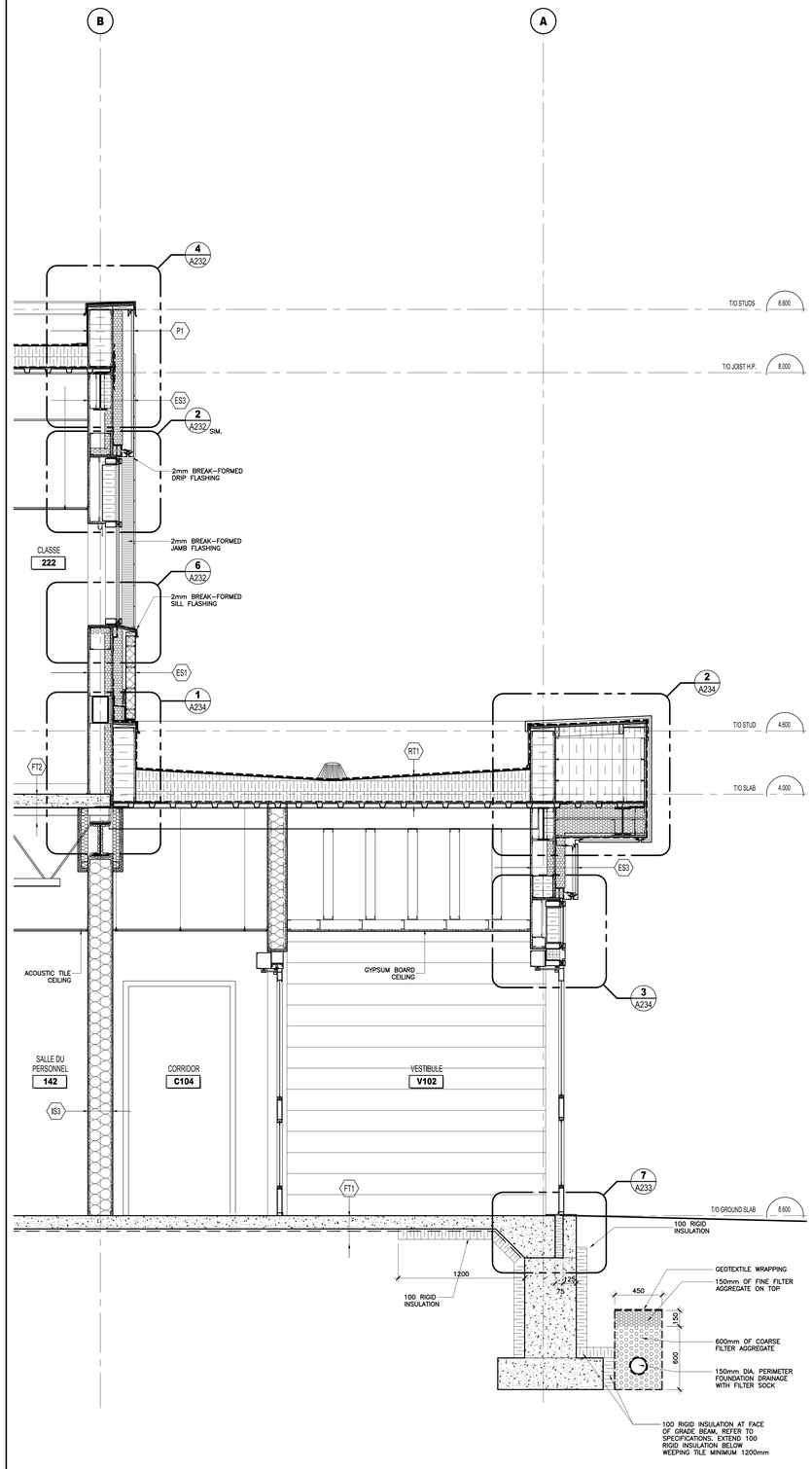
CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WALL SECTIONS

SCALE / ÉCHELLE	1:20	PROJ. No	2527
		ISSUE No	3
		REV. No	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A221
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A221.DWG	



WALL SECTION
1 A222 — **EXTERIOR WALL @ DAYCARE**
1:20



WALL SECTION
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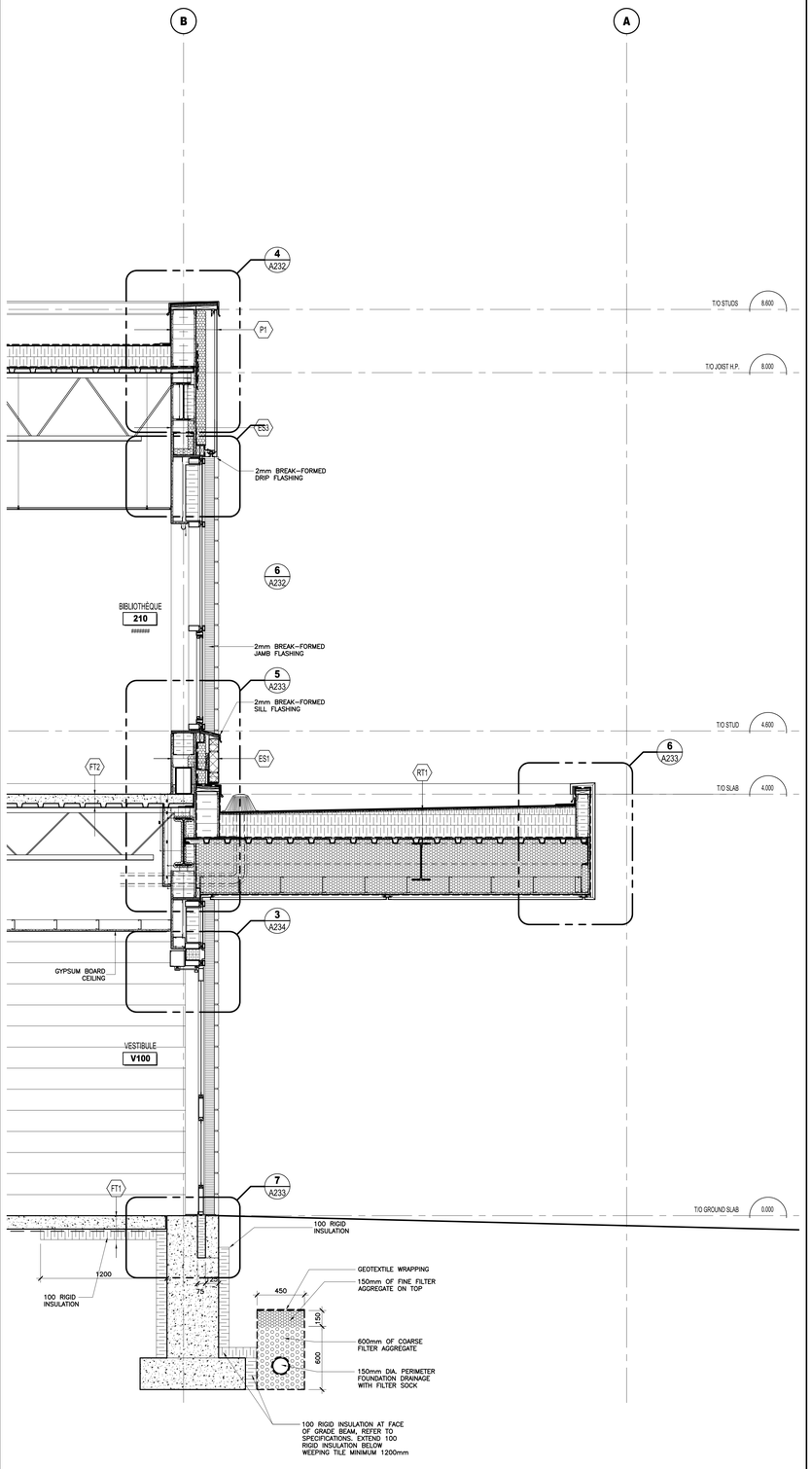
1:20



WALL SECTION
3 A222 — **CANOPY @ ENTRANCE**
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Page Setup: ----- Printer: DWG TO PDF.PC3

Écoles catholiques Centre-Est

ISSUE NO.	REV NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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4000 LABELLE STREET
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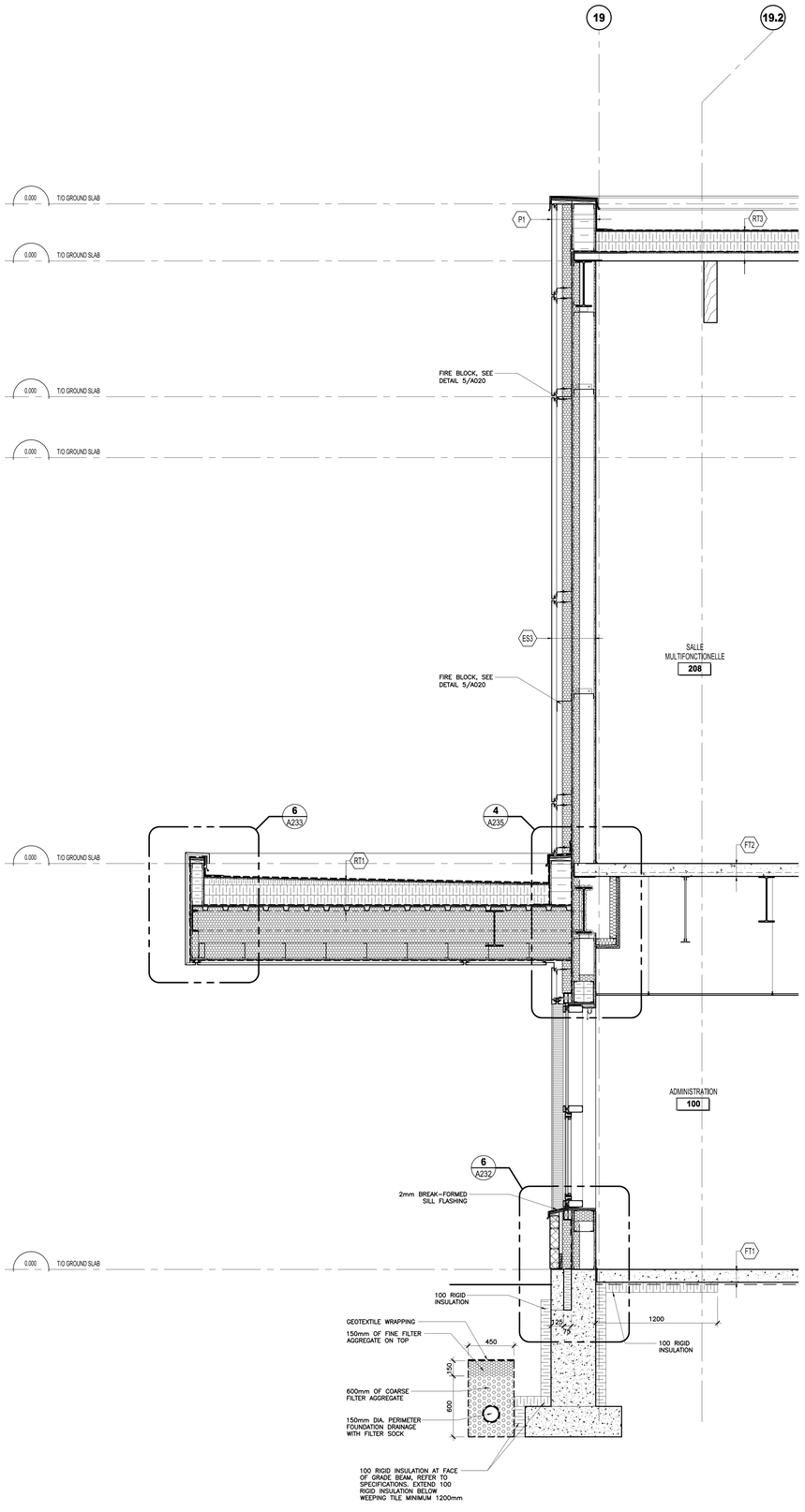
DRAWING TITLE/TITRE DU DESSIN
WALL SECTIONS

SCALE / ÉCHELLE	1:20	PROJ. No	ISSUE No.	REV. No.
		2527	3	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	**A222**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A222.DWG		



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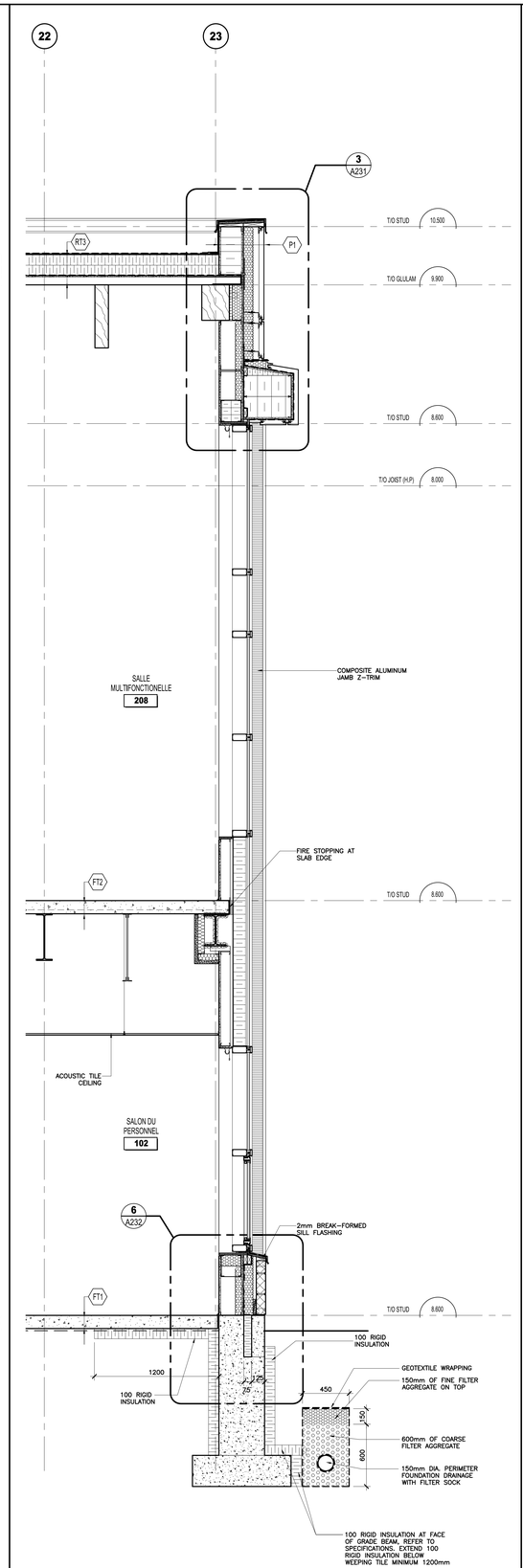

2 A223 WALL SECTION @ DOUBLE HEIGHT CURTAIN WALL
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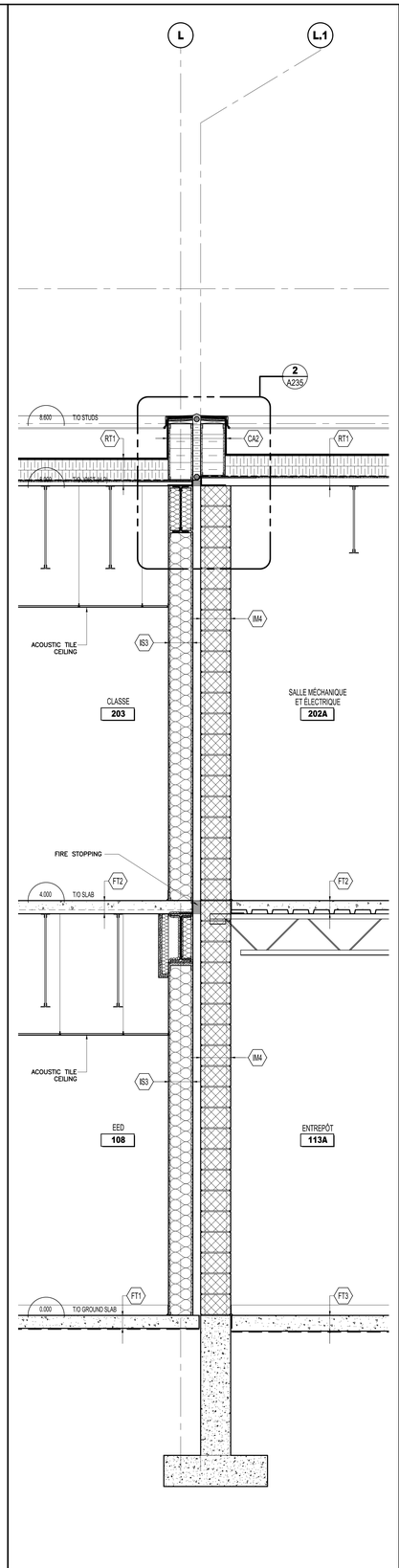
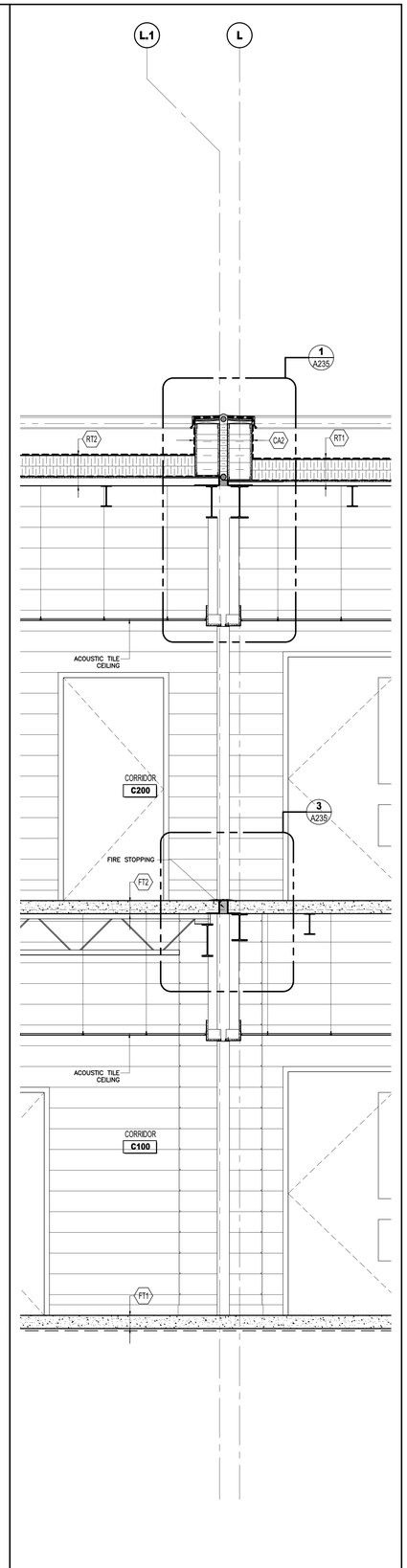


3 A223 WALL SECTION @ EXPANSION JOINT
1:20



4 A223 WALL SECTION @ EXPANSION JOINT
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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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3290 FINDLAY CREEK DRIVE
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CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WALL SECTIONS

SCALE / ECHELLE	1:20	PROJ. No	2527
DRAWN BY / DESSINÉ PAR	A.L.	ISSUE No.	3
CHECKED BY / VÉRIFIÉ PAR	J.J.	REV. No	0
DATE	MAR 2026	DRAWING/DESSIN	A223

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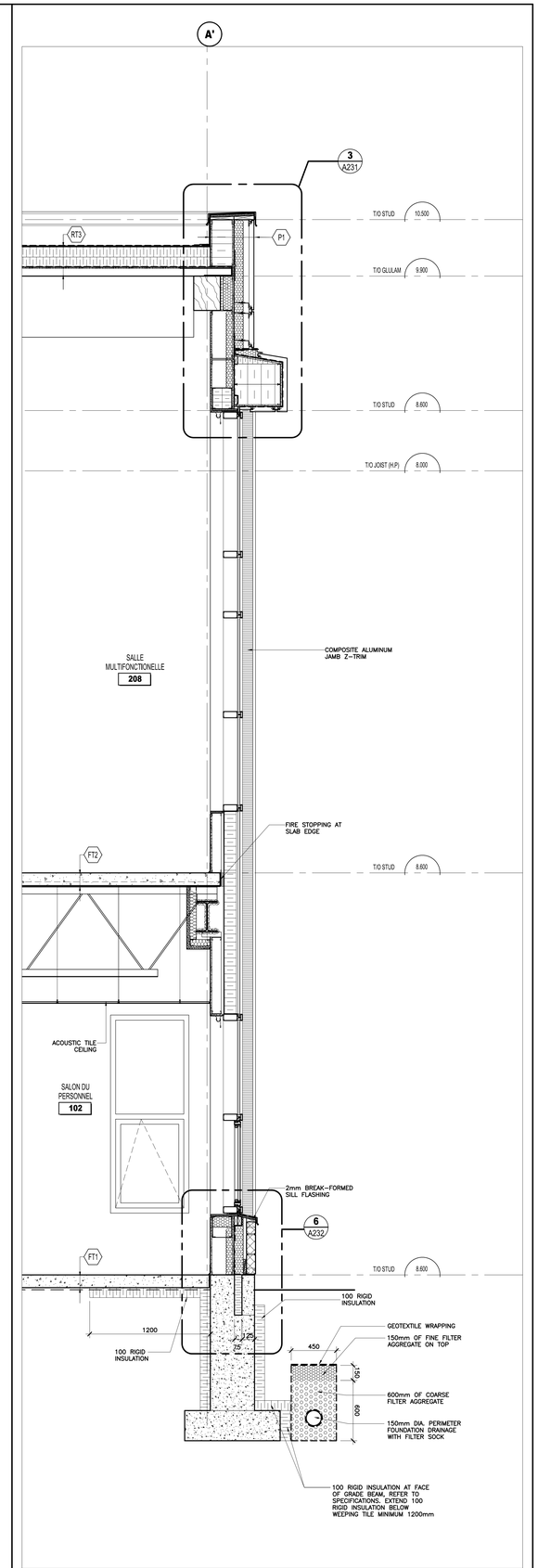

1 / A224 WALL SECTION @ DOUBLE HEIGHT CURTAIN WALL
1:20

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
1	0	YYYY/MM/DD	ISSUED FOR...

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EDWARD J. CUHACI
& ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telephone (613) 236-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE
LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WALL SECTIONS

SCALE / ÉCHELLE	1:20	PROJ. No 2527	ISSUE No. ---- / REV. No. ----
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A224
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	APRIL 2026	ACAD FILE/FICHIER: 2527-A224.DWG	

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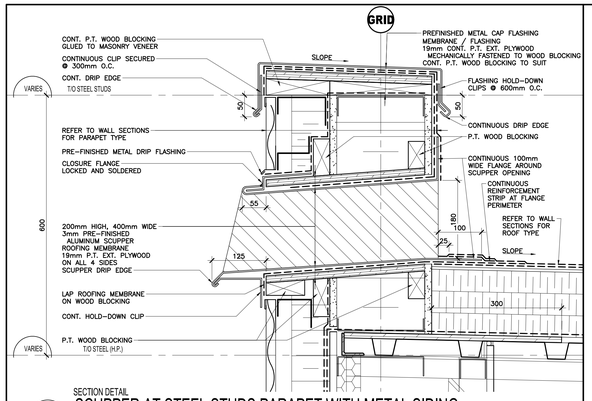
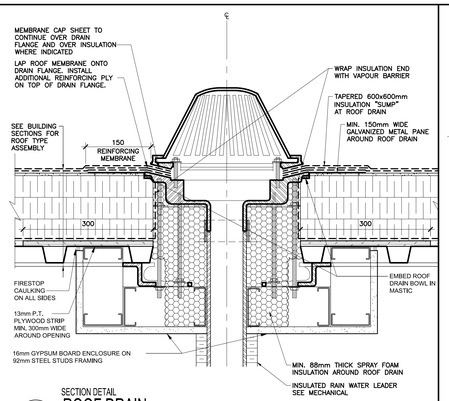


1 A230 — SECTION DETAIL
SCUPPER AT STEEL STUDS PARAPET WITH METAL SIDING
1:5



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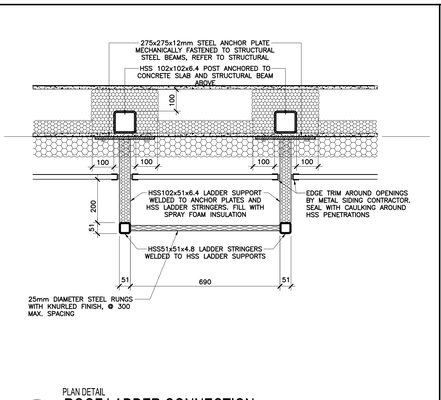

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ROOF LADDER CONNECTION
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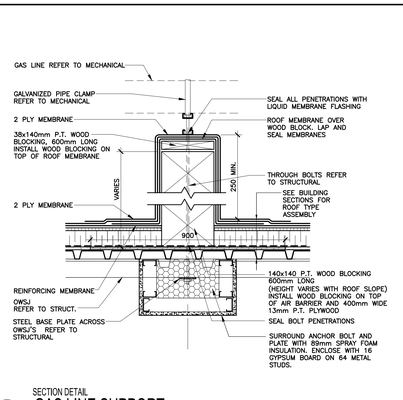

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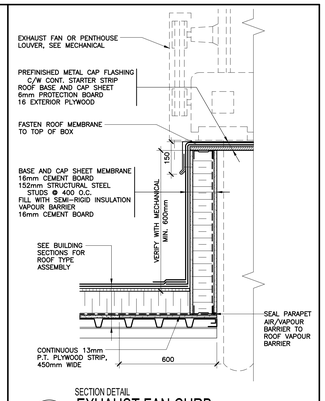

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EXHAUST FAN CURB
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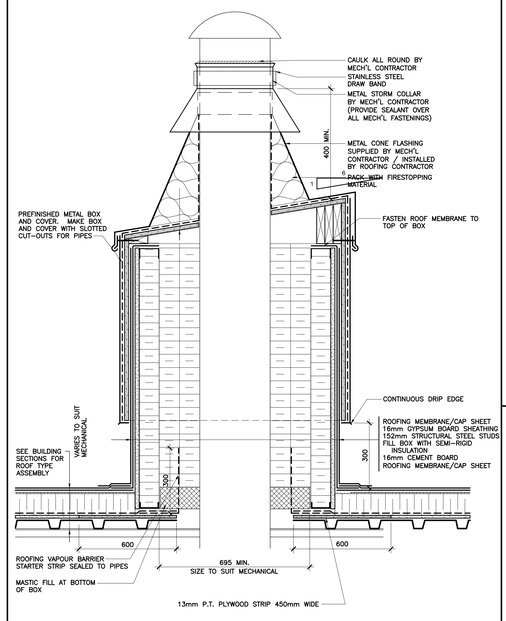

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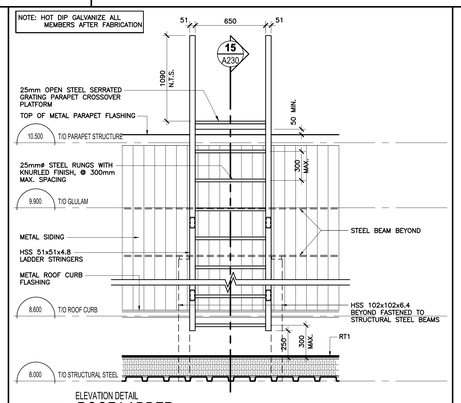
1:10



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ROOF LADDER
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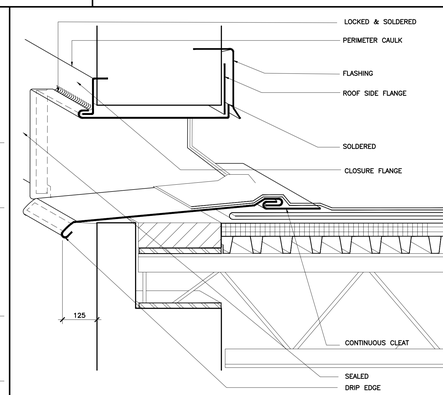

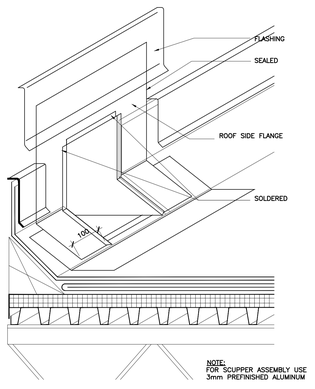

8 A230 — AXONOMETRY
SCUPPER DETAIL
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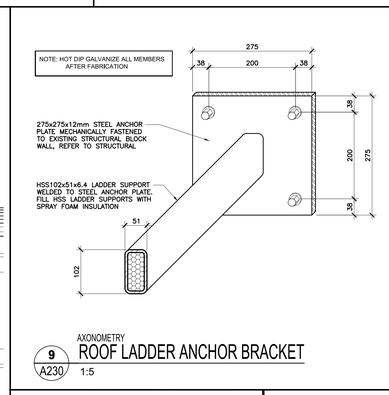
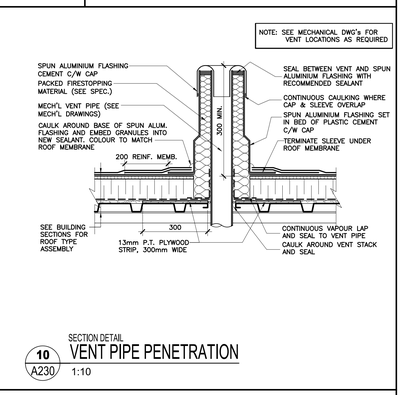


9 A230 — AXONOMETRY
ROOF LADDER ANCHOR BRACKET
1:5



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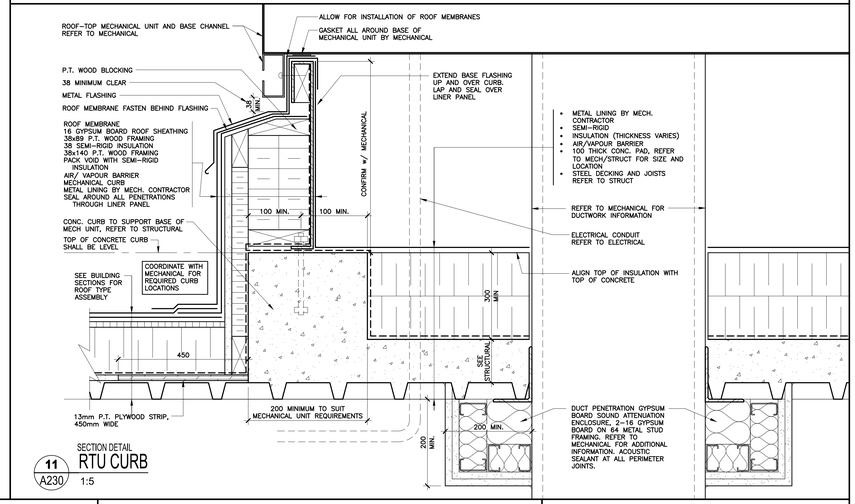
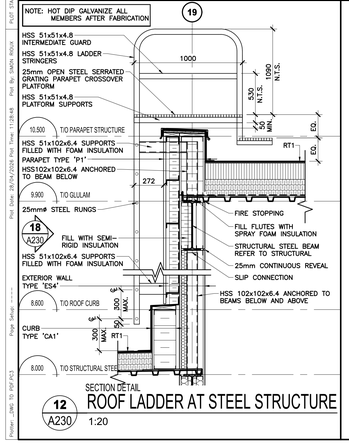
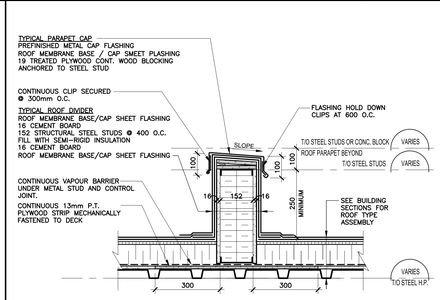
1:10



11 A230 — SECTION DETAIL
RTU CURB
1:5



12 A230 — SECTION DETAIL
ROOF LADDER AT STEEL STRUCTURE
1:20



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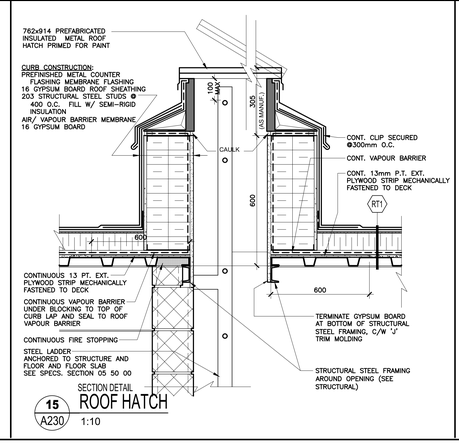
CONTROL JOINT CURB
1:10



15 A230 — SECTION DETAIL
ROOF HATCH
1:10

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC..

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ROOF DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	2527
ISSUE No	3	REV. No	0
DRAWN BY / DESSINÉ PAR	AL	DRAWING/DESSIN	A230
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER	2527-A230.DWG

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Plot By: SIMON ROCK
Plot Date: 26/04/2026 Plot Time: 11:28:48
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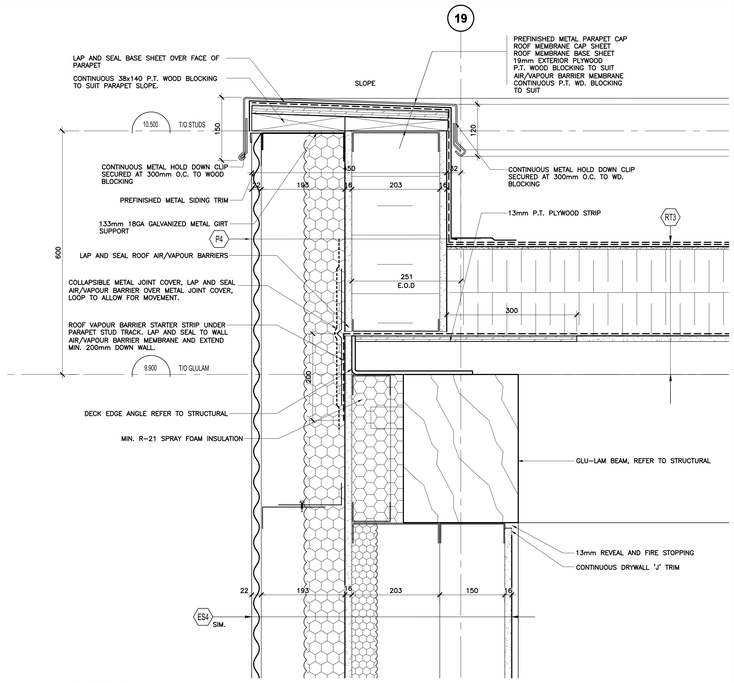

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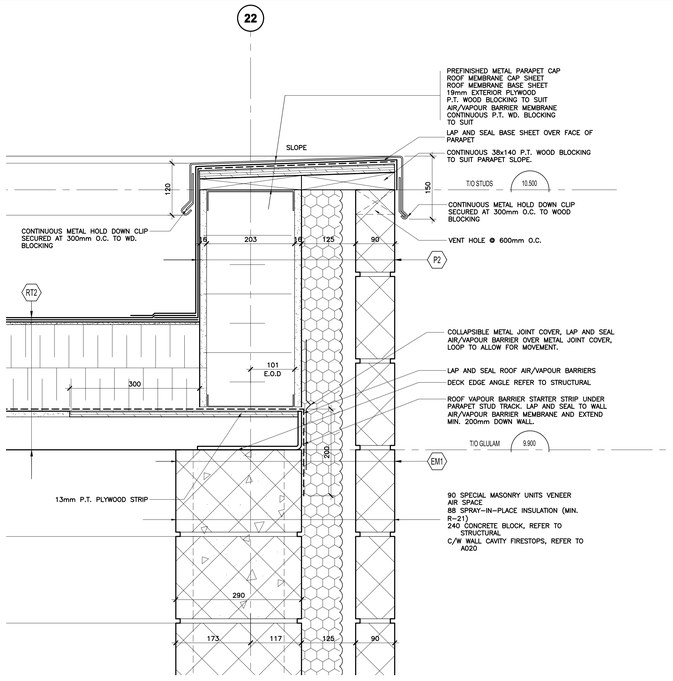
1 / A231 TYP. PRE-FINISHED METAL SIDING PARAPET
1:5



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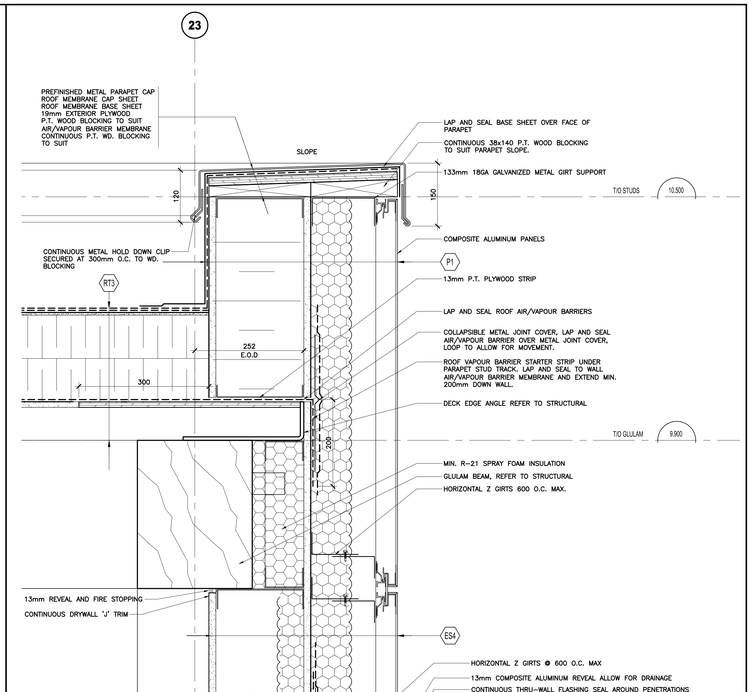
2 / A231 TYP. MASONRY VENEER PARAPET
1:5



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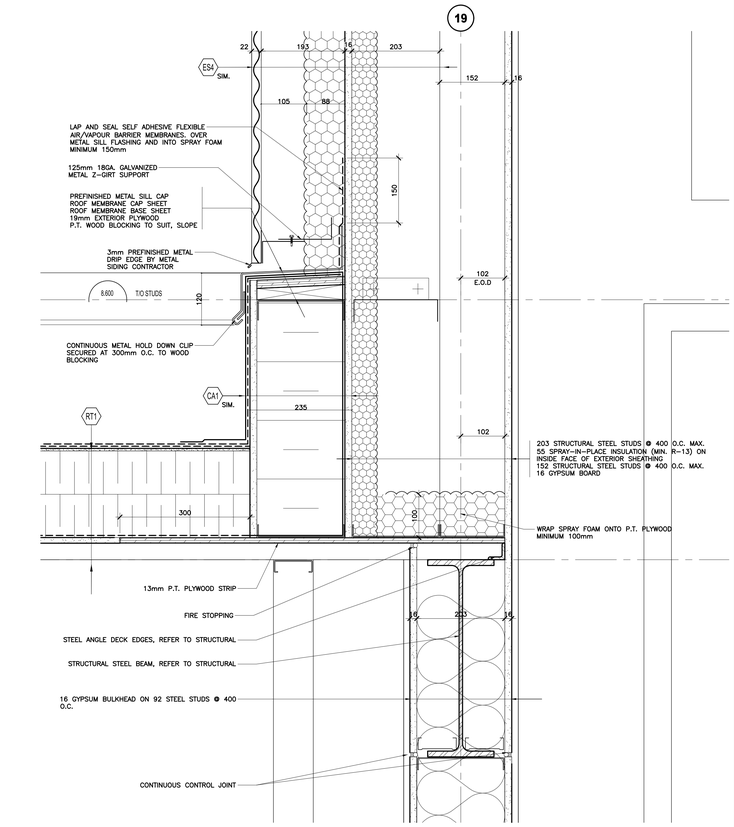
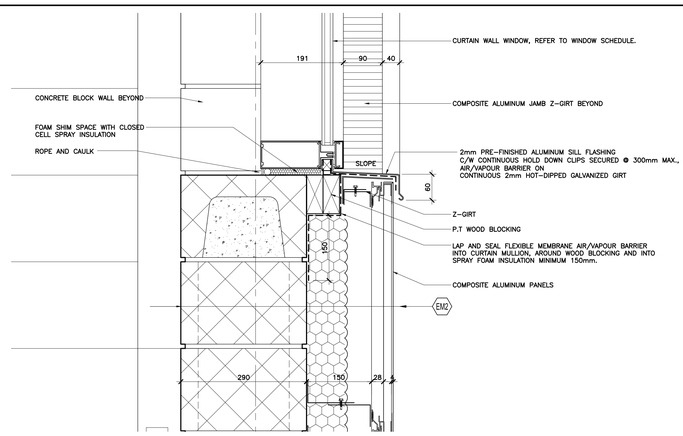
1:5

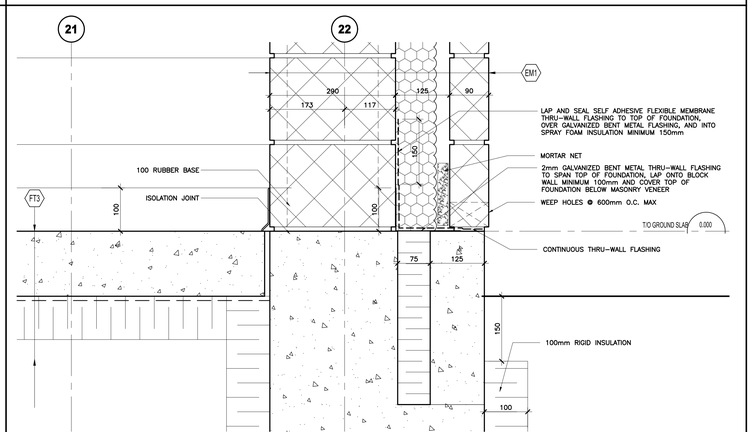


SECTION DETAIL
4 / A231 METAL SIDING @ ROOF
1:5

SECTION DETAIL
5 / A231 CURTAIN WALL HEADER @ CONCRETE BLOCK WALL
1:5



SECTION DETAIL
6 / A231 CURTAIN WALL SILL @ CONCRETE BLOCK WALL
1:5



SECTION DETAIL
7 / A231 BLOCK WALL @ FOUNDATION
1:5

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/09	ISSUED FOR 70% SUBMISSION

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3280 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

SCALE / ÉCHELLE	1:5	PROJ. No	2527
DRAWN BY / DESSINÉ PAR	A.L.	ISSUE No.	3
CHECKED BY / VÉRIFIÉ PAR	J.J.	REV. No.	0
DATE	MAR 2026	DRAWING/DESSIN	A231
		ACAD FILE/FICHIER	2527-A231.DWG

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Plot By: SIMON RIOUX
Plot Date: 26/04/2026 Plot Time: 11:05:36
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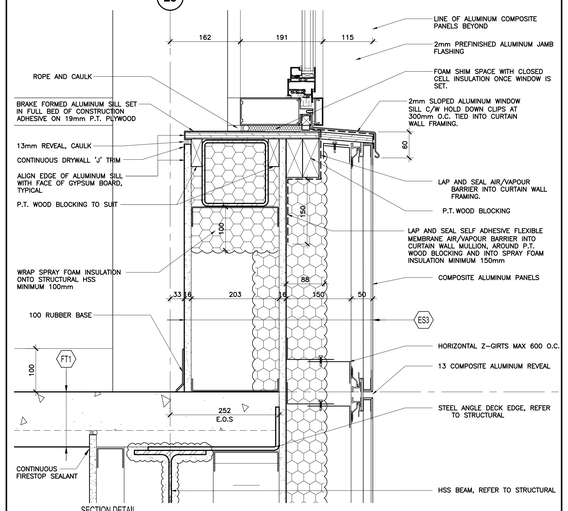

SECTION DETAIL
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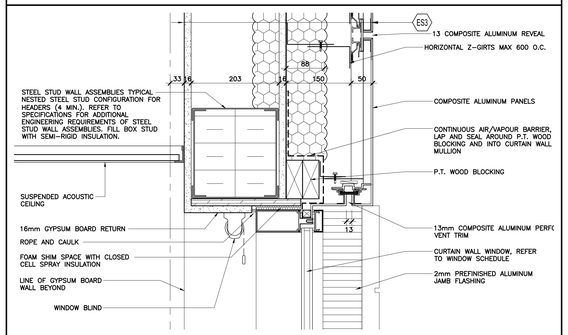
A232 1:5



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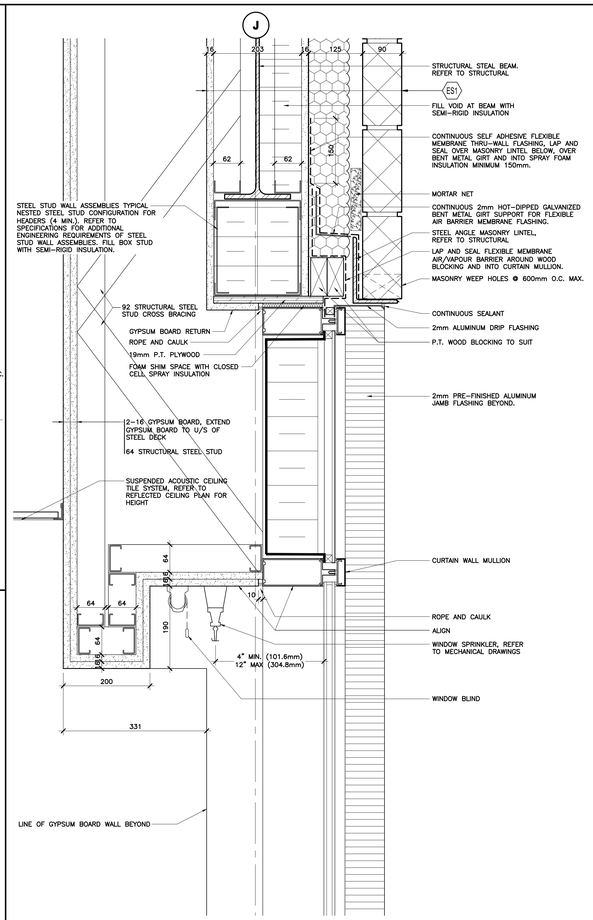
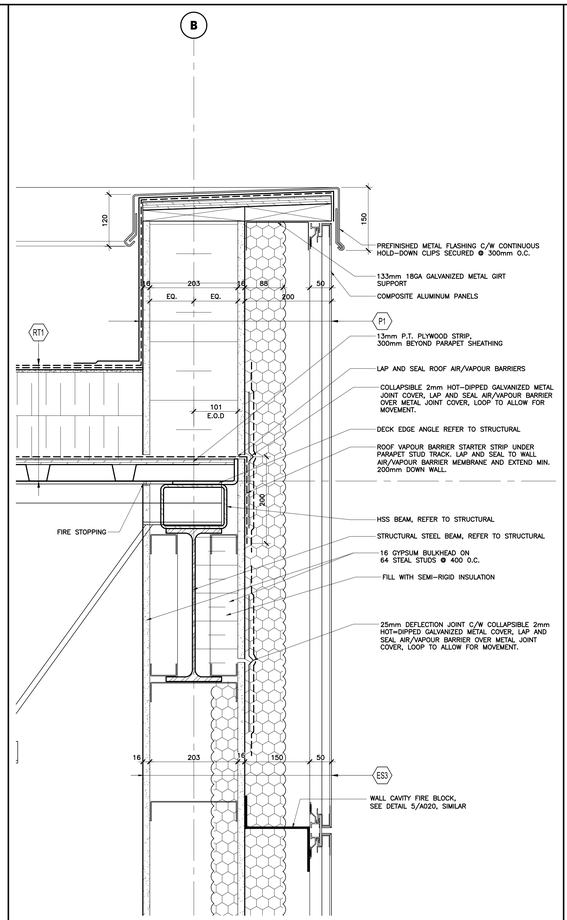
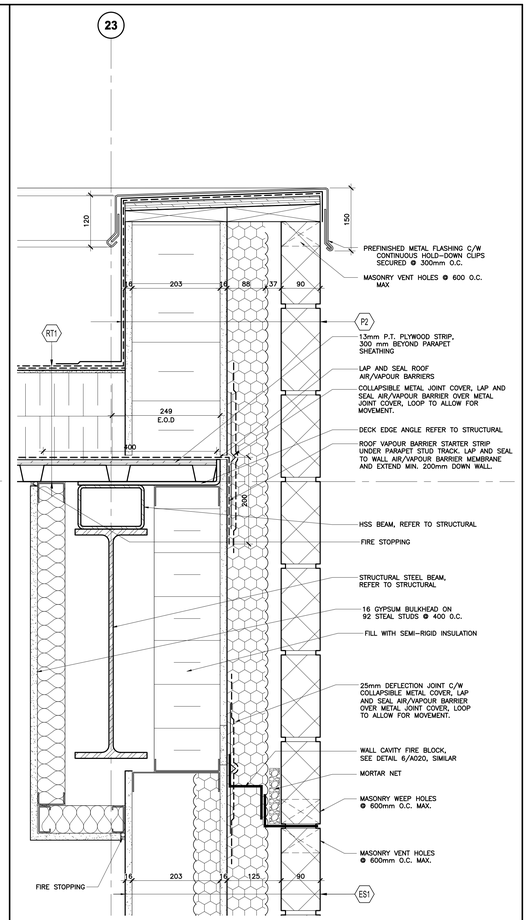


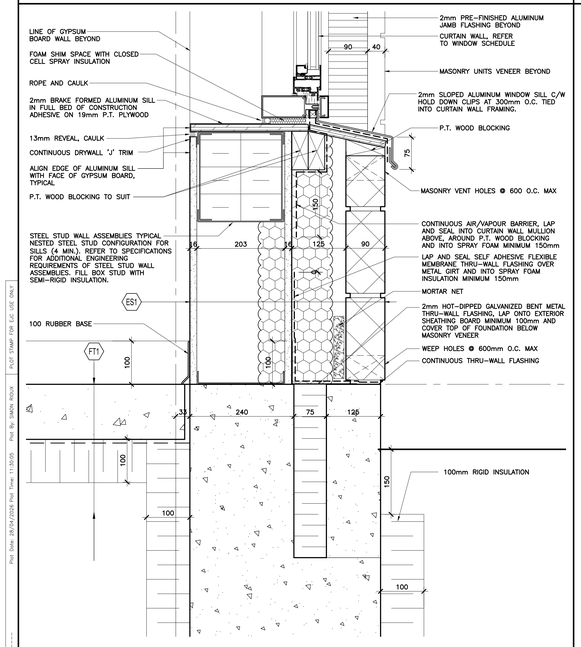
SECTION DETAIL
3 BULKHEAD @ CLASSROOM
A232 1:5



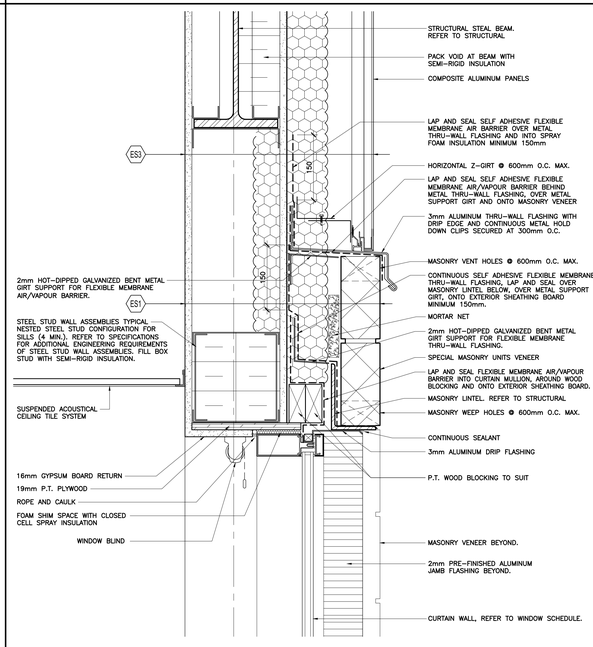
SECTION DETAIL
4 PARAPET @ COMPOSITE ALUMINUM STUD WALL
A232 1:5



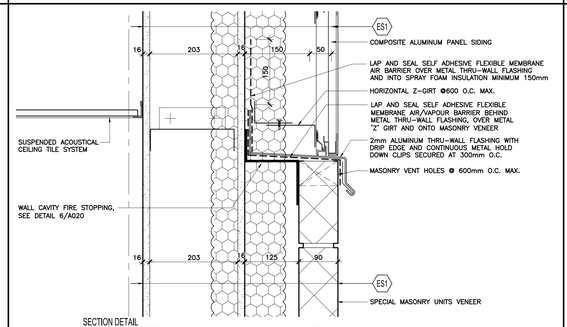
SECTION DETAIL
5 PARAPET @ MASONRY VENEER STUD WALL
A232 1:5



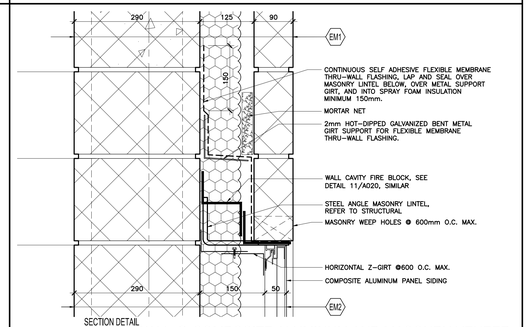
SECTION DETAIL
6 MASONRY VENEER WALL @ CURTAIN WALL
A232 1:5



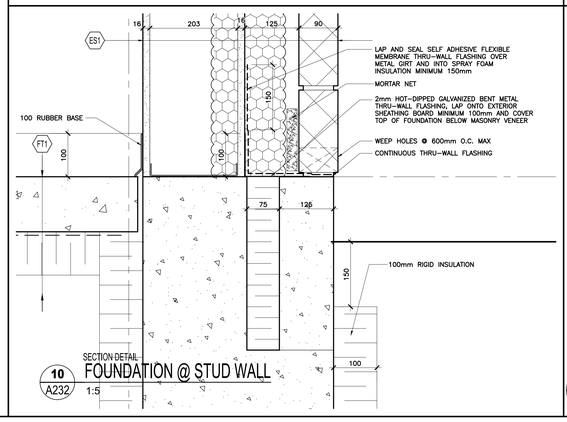
SECTION DETAIL
7 EXTERIOR WALL @ COMPOSITE ALUMINUM AND MASONRY STUD WALL
A232 1:5



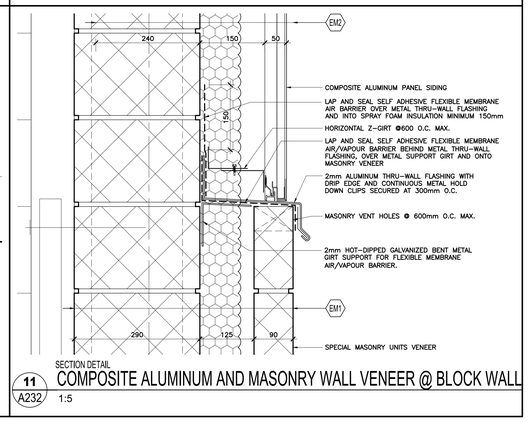
SECTION DETAIL
8 COMPOSITE ALUMINUM @ MASONRY
A232 1:5



SECTION DETAIL
9 BLOCK WALL @ COMPOSITE ALUMINUM AND MASONRY VENEER
A232 1:5



SECTION DETAIL
10 FOUNDATION @ STUD WALL
A232 1:5



SECTION DETAIL
11 COMPOSITE ALUMINUM AND MASONRY WALL VENEER @ BLOCK WALL
A232 1:5

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Tel: (613) 236-1846 Telephone (613) 236-7125 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

SCALE / ÉCHELLE	1:5	PROJ. No	2527
ISSUE No	3	REV. No	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A232
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A232.DWG	

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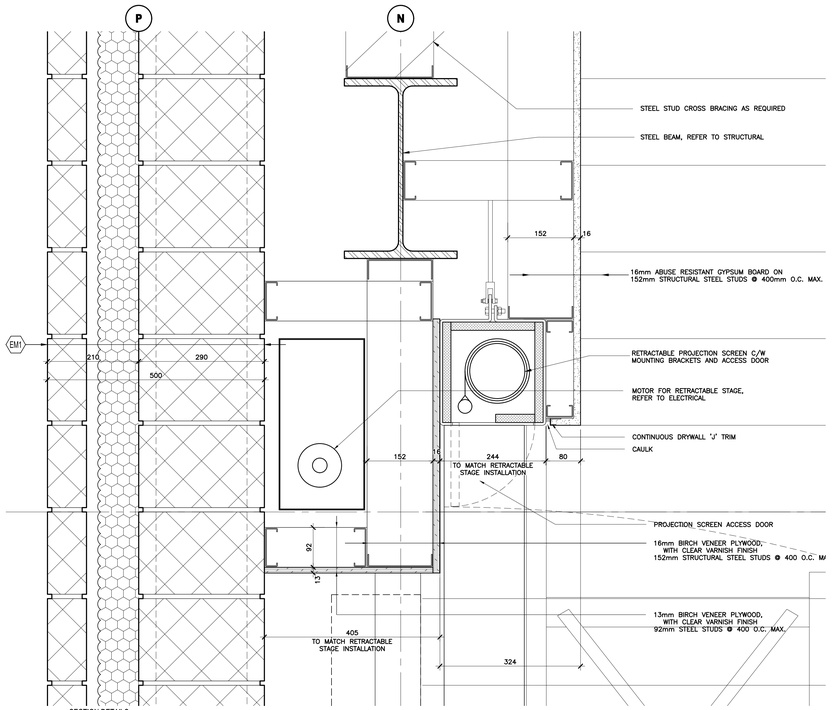
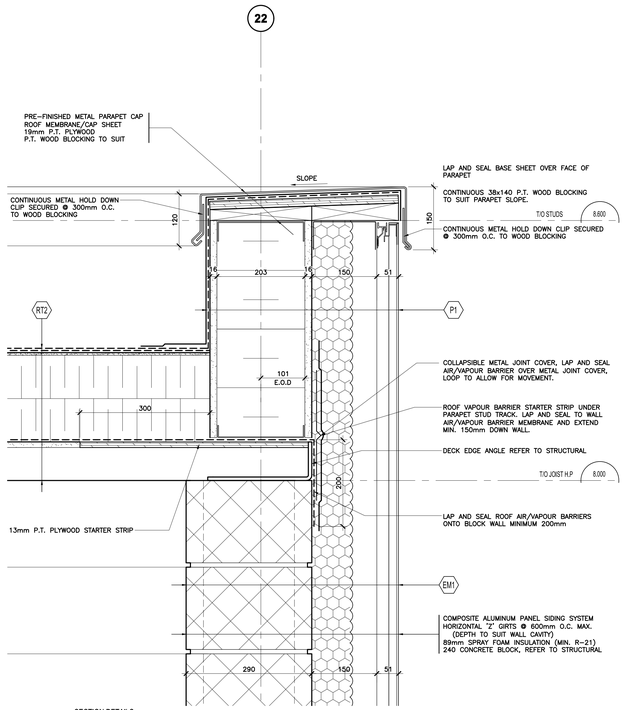


SECTION DETAILS
1 / A233 STAGE @ BLOCK WALL
1:5



SECTION DETAILS
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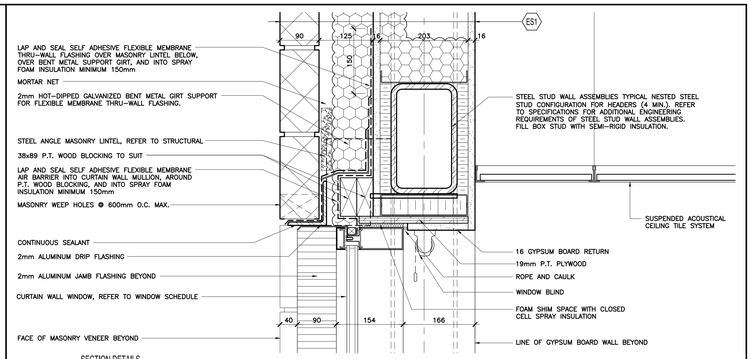
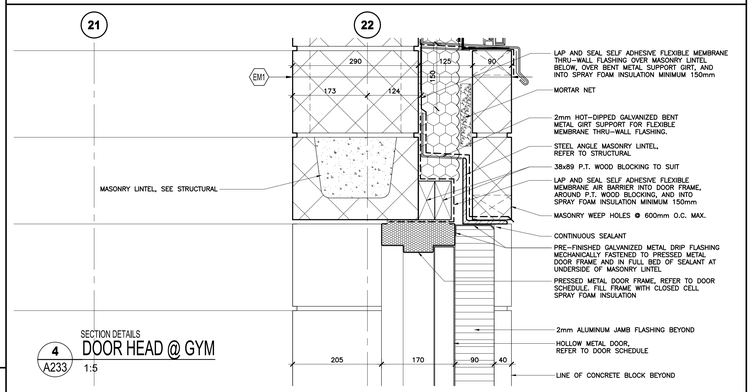
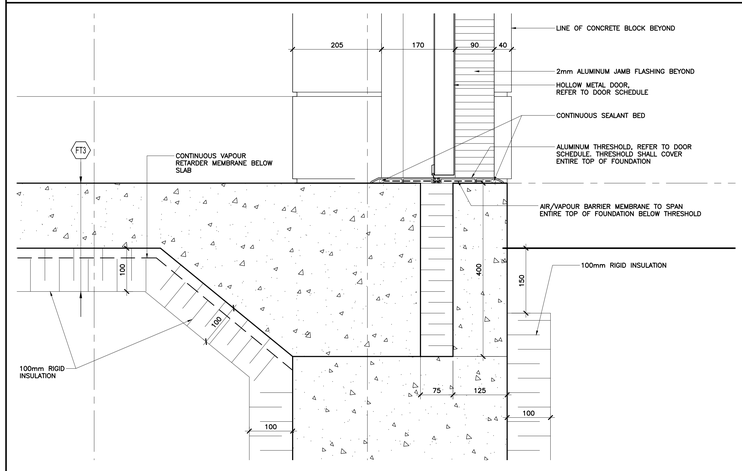
1:5



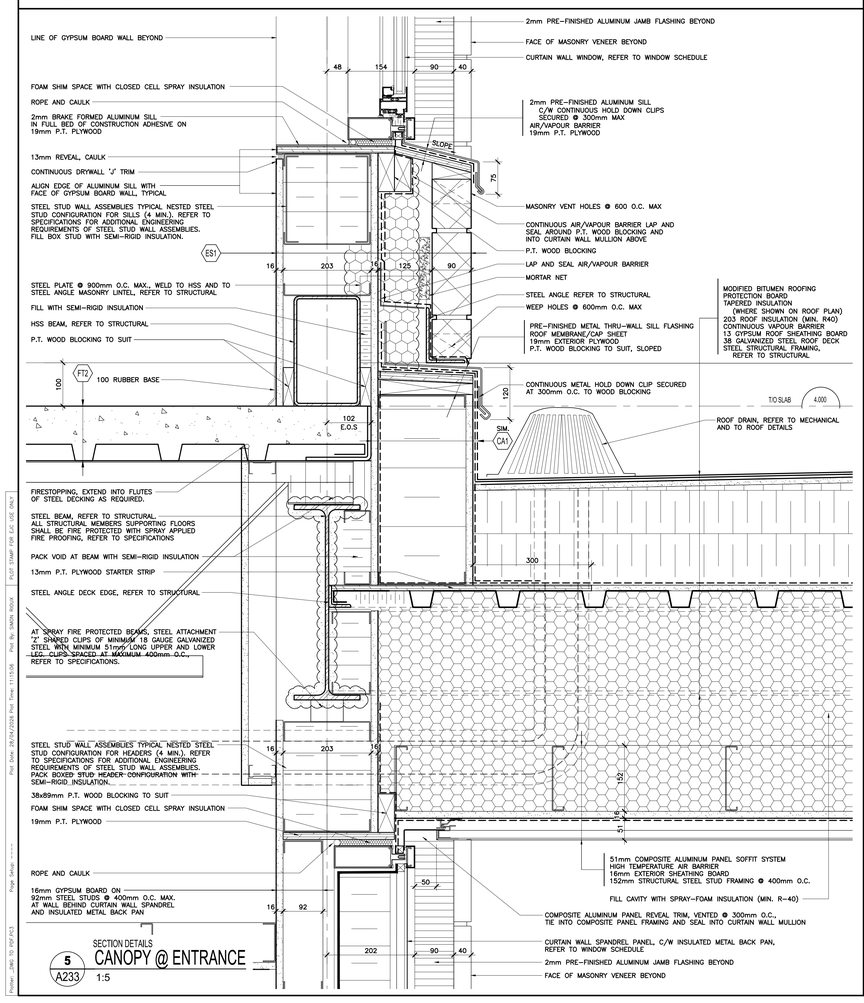
SECTION DETAILS
3 / A233 CURTAIN WALL @ SPECIAL MASONRY UNITS VENEER
1:5



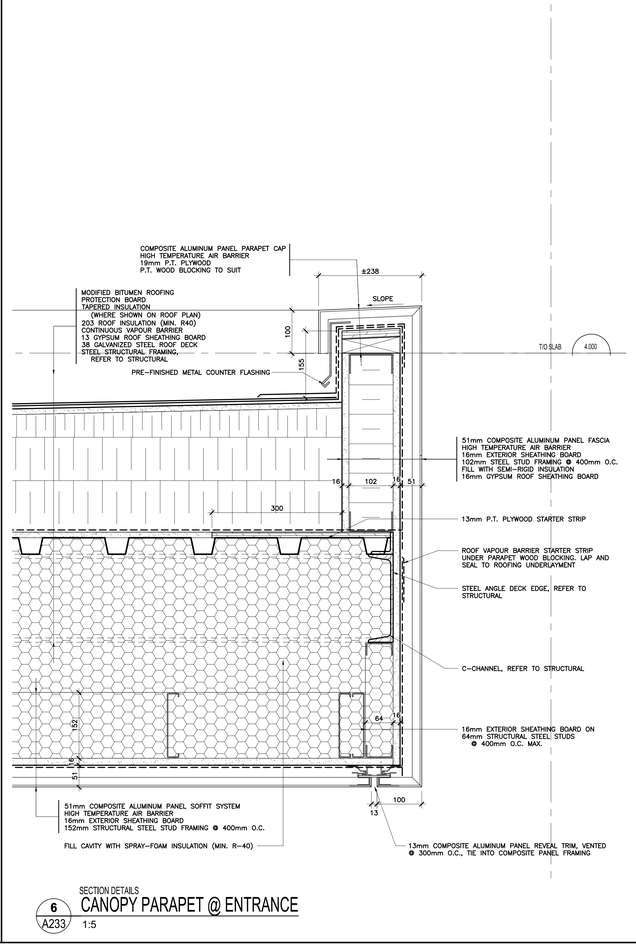
SECTION DETAILS
4 / A233 DOOR HEAD @ GYM
1:5



SECTION DETAILS
7 / A233 DOOR SILL @ GYM
1:5



SECTION DETAILS
5 / A233 CANOPY @ ENTRANCE
1:5



SECTION DETAILS
6 / A233 CANOPY PARAPET @ ENTRANCE
1:5

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Plot By: SAEN ABDUL
Plot Date: 26/04/2026 Plot Time: 11:15:56
Plotter: DWG TO PDF.PC3

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ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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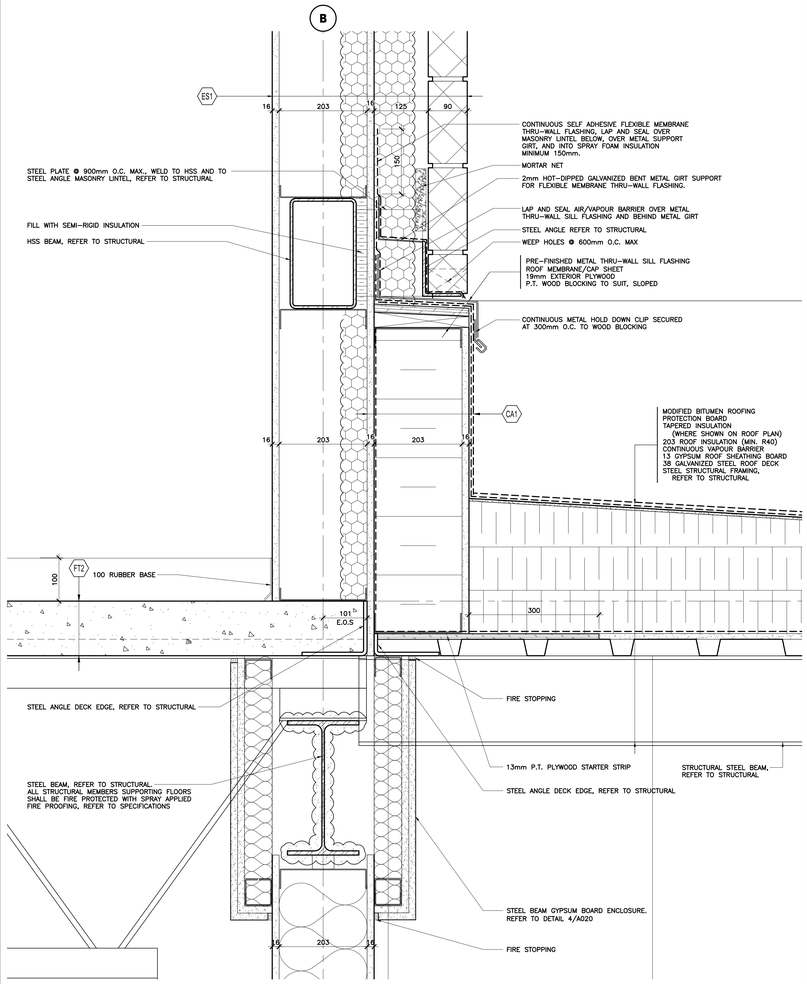
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Tel (613) 236-1846 Fax (613) 236-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

SCALE / ÉCHELLE	1:5	PROJ. No 2527	ISSUE No. 3 / REV. No. 0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A233
CHECKED BY / VERIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A233.DWG	



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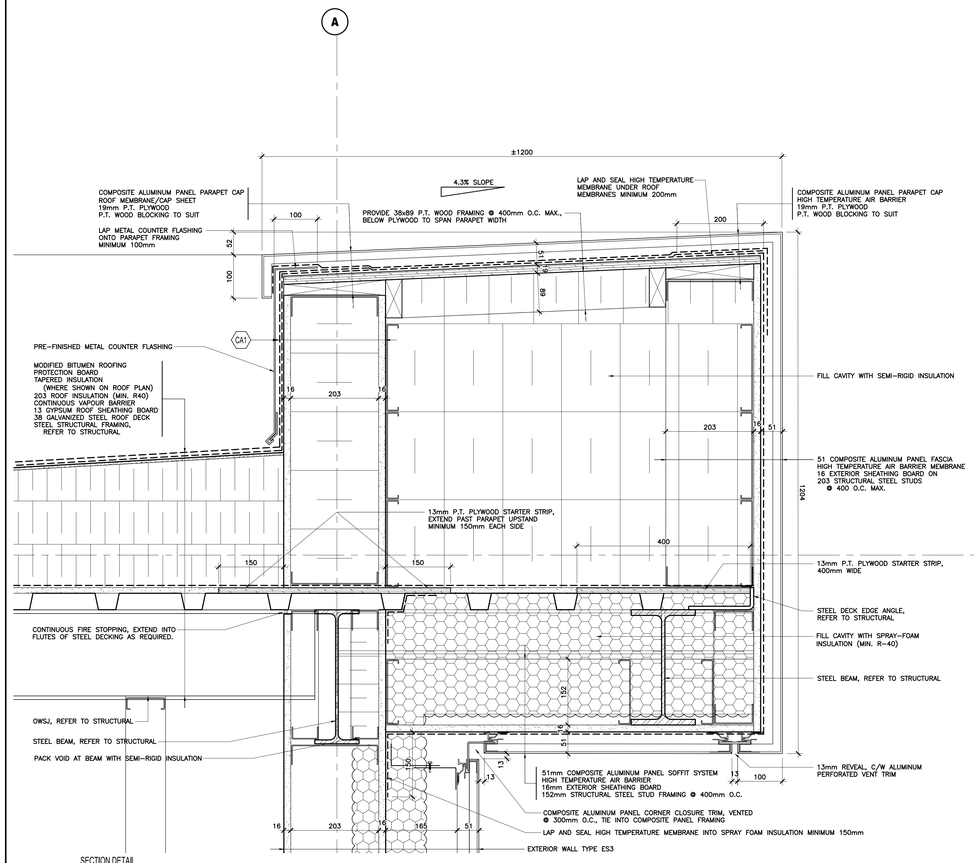
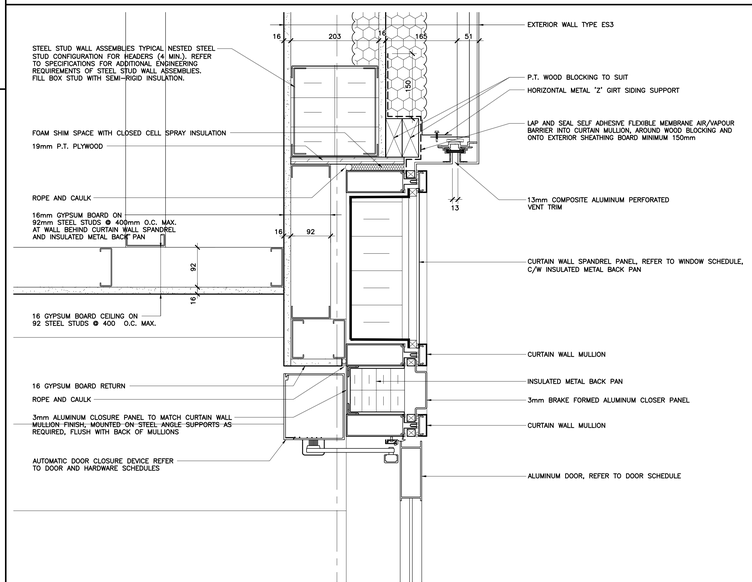
1:5



SECTION DETAIL
2 A234
CANOPY @ DAYCARE
1:5



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Plotter: DWG TO PDF.PC3 Page Setup: ----

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ISSUE NO.	REV NO.	DATE YY/MM/DD	ISSUE
2	0	2026/04/24	ISSUED FOR TENDER
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ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
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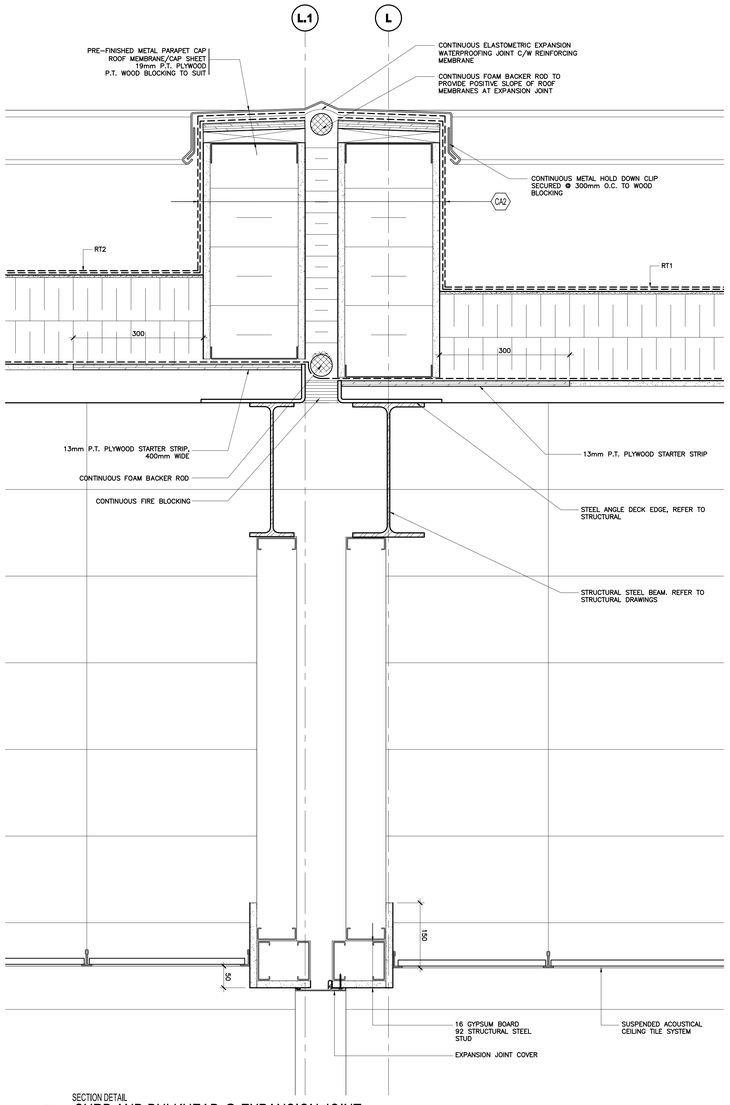
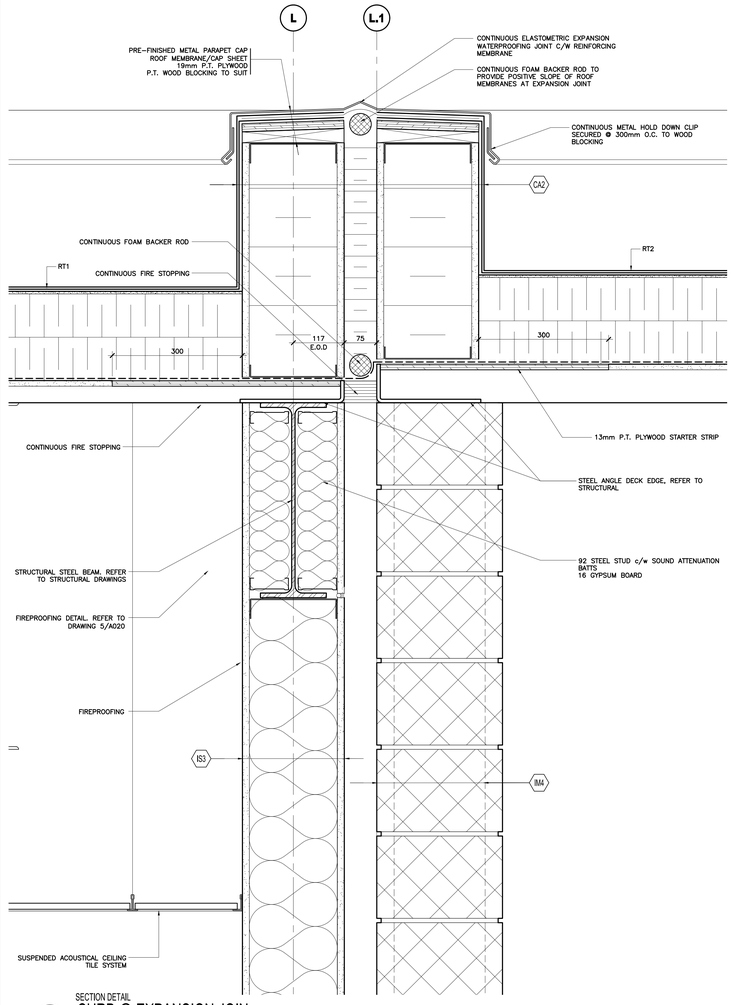
CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

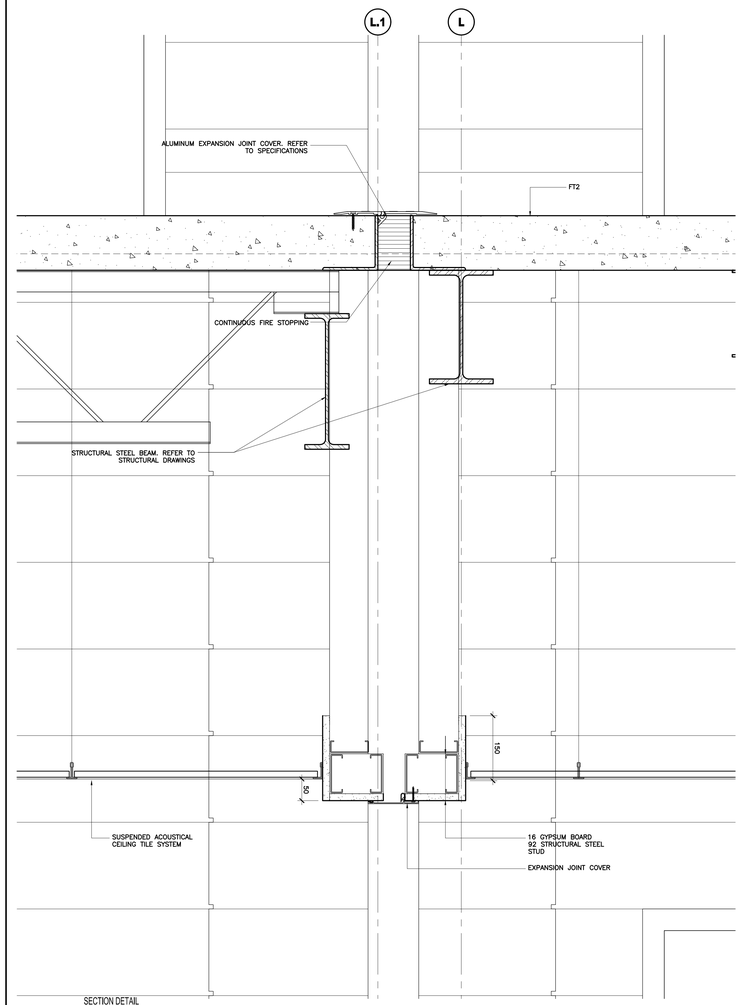
SCALE / ÉCHELLE	1:5	PROJ. No	ISSUE No. 2	REV. No. 0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A234	
CHECKED BY / VÉRIFIÉ PAR	J.J.			
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A234.DWG		



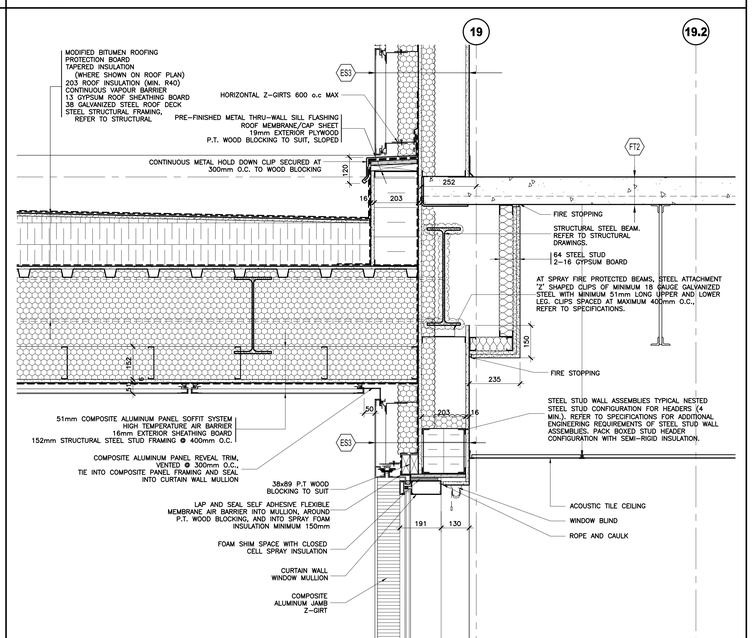
SECTION DETAIL
1 / A235
CURB AND BULKHEAD @ EXPANSION JOINT
1:5



SECTION DETAIL
2 / A235
CURB @ EXPANSION JOIN
1:5



SECTION DETAIL
3 / A235
EXPANSION JOINT @ SECOND FLOOR
1:5



SECTION DETAIL
4 / A235
ENTRY CANOPY @ CW WINDOW
1:10

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
2	0	2026/04/24	ISSUED FOR TENDER
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ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
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4000 LABELLE STREET
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DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

SCALE / ÉCHELLE	1:5	PROJ. No	ISSUE No.	REV. No
		2527	2	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	**A235**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A235.DWG		

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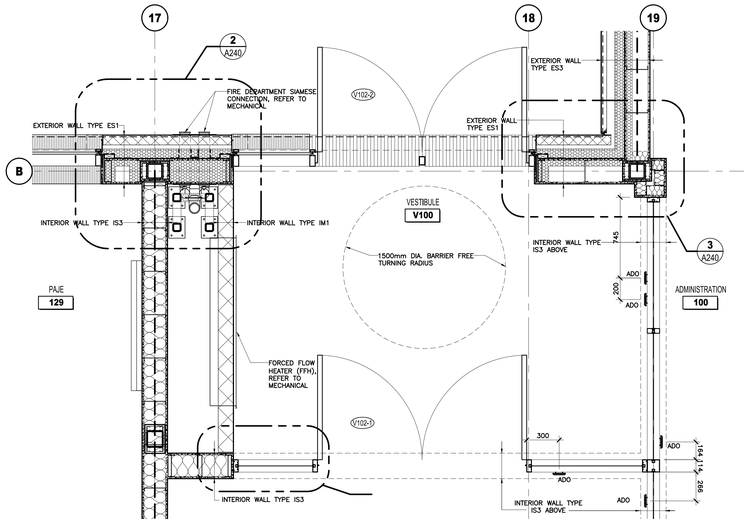
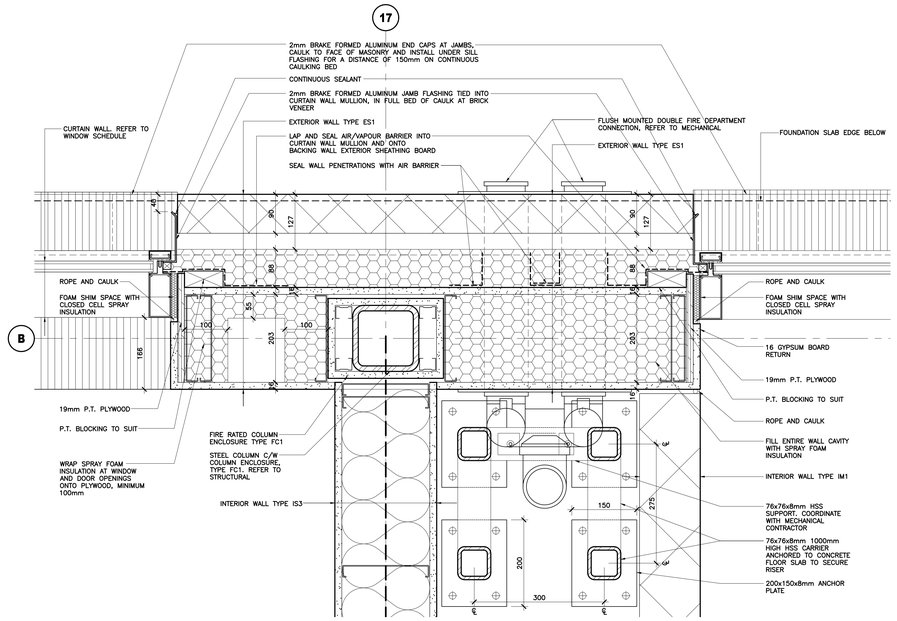
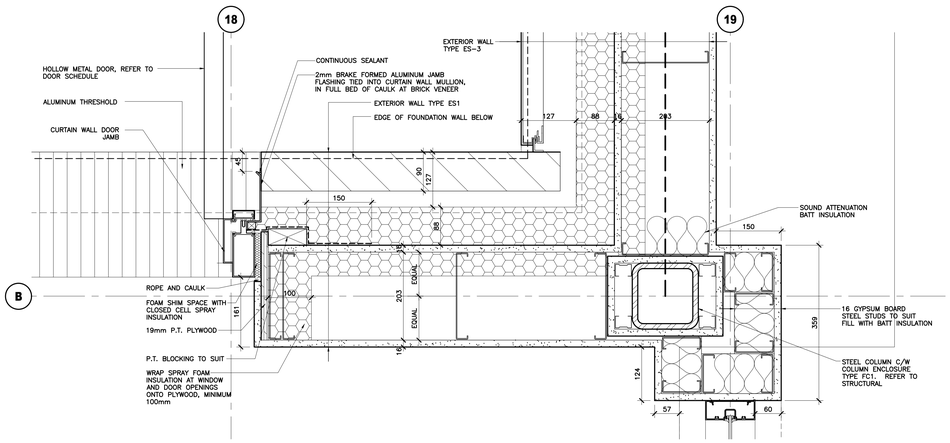


PLAN DETAIL
1 A240 VESTIBULE V100
1:20



PLAN DETAIL
2 A240 VESTIBULE V100 CURTAIN WALL MULLION @ MASONRY WALL
1:5



PLAN DETAIL
3 A240 VESTIBULE V100 CURTAIN WALL MULLION @ MASONRY WALL
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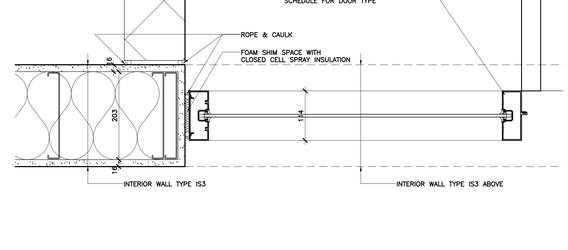

PLAN DETAIL
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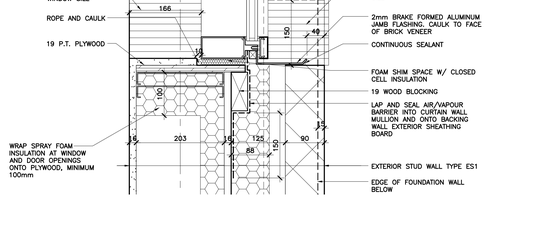

PLAN DETAIL
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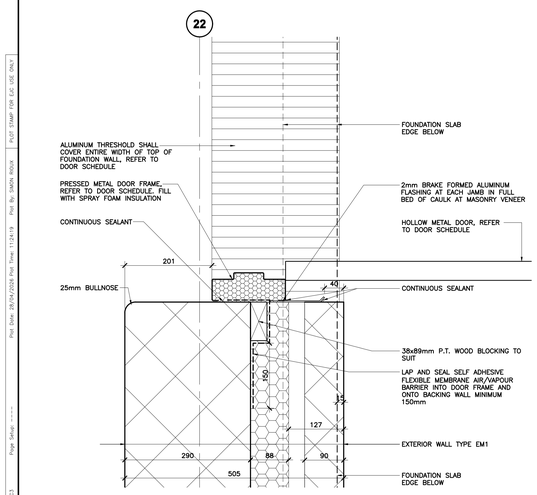

PLAN DETAIL
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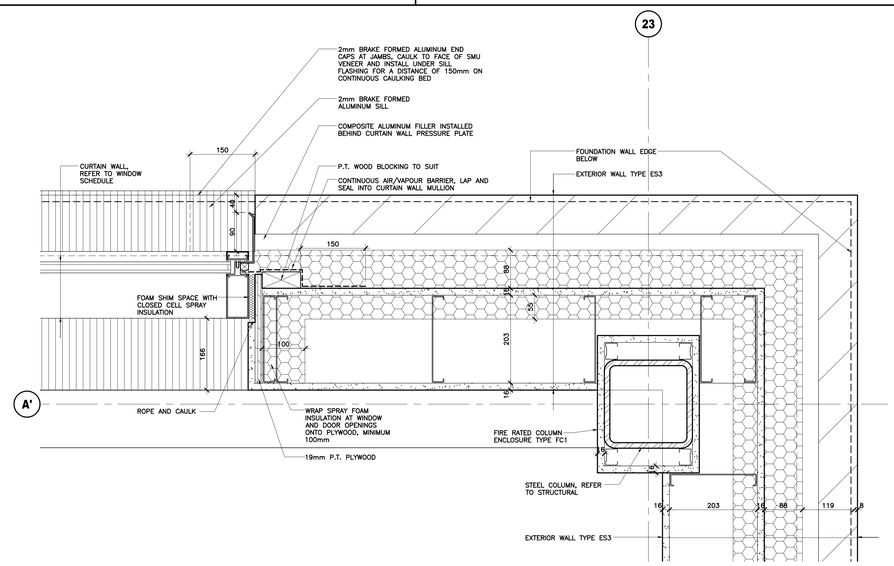

PLAN DETAIL
7 A240 DETAIL @ GRID 23-A'
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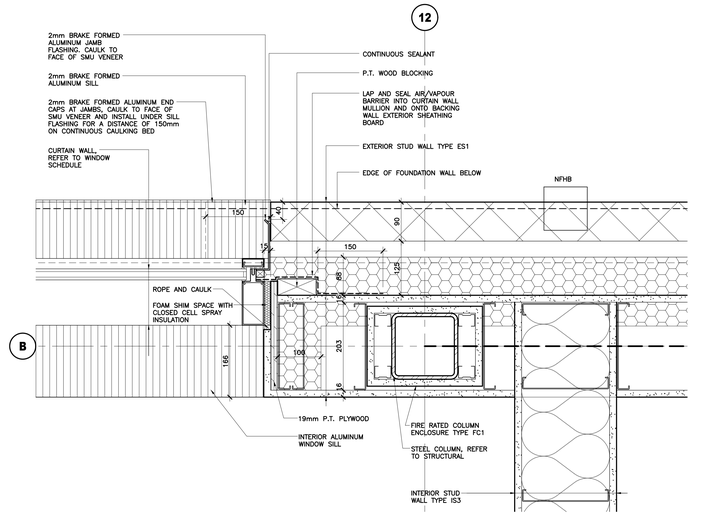

PLAN DETAIL
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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/09	ISSUED FOR 70% SUBMISSION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC.

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EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telephone (613) 236-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2
CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
PLAN DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	2527
		ISSUE No	3
		REV. No	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A240
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A240.DWG	

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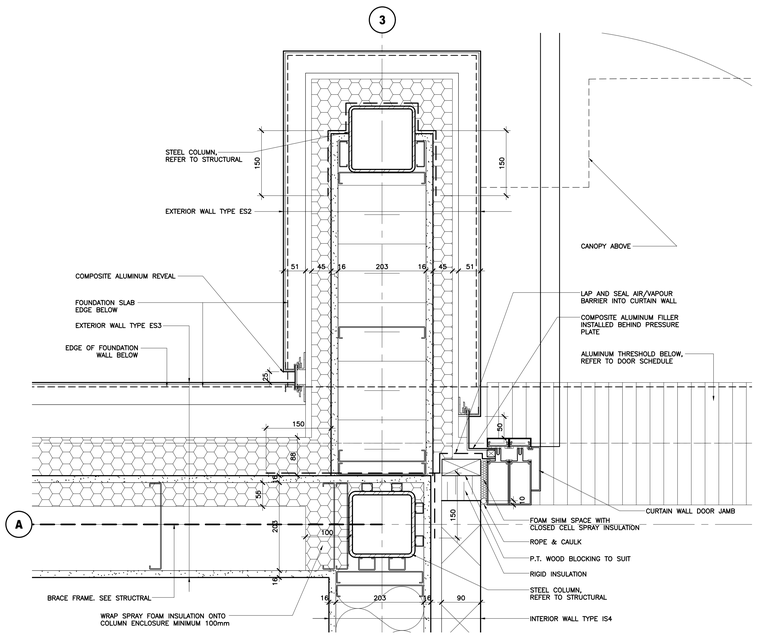

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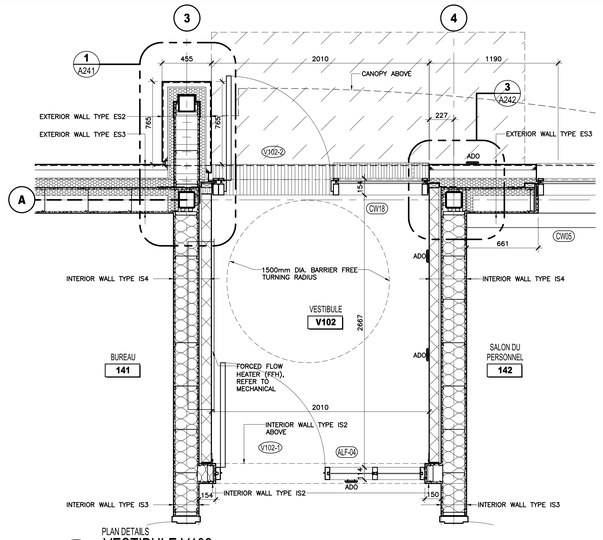

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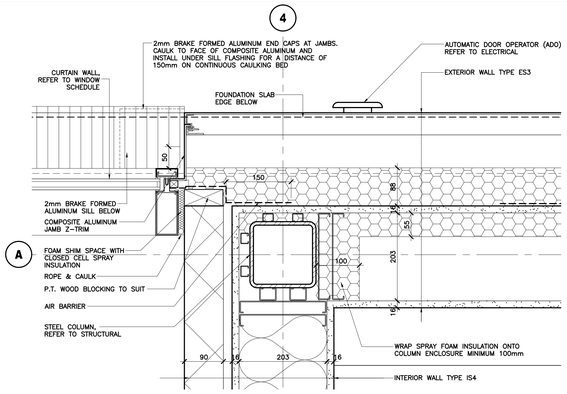

PLAN DETAIL
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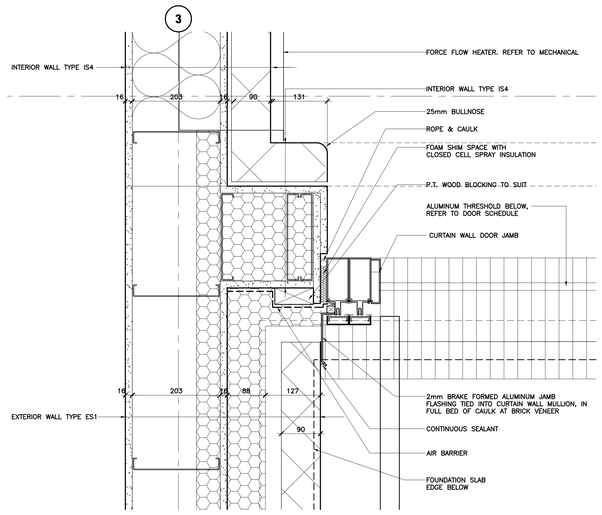

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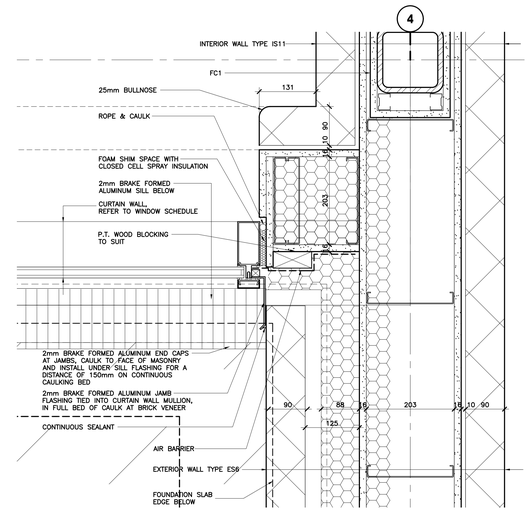

PLAN DETAIL
6 / A241 CURTAIN WALL MULLION @ MASONRY WALL
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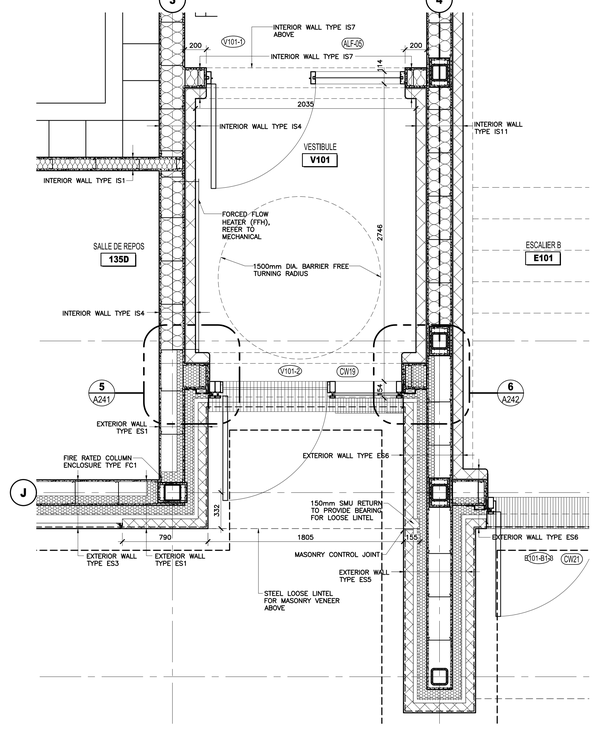

4 / A241 VESTIBULE V101
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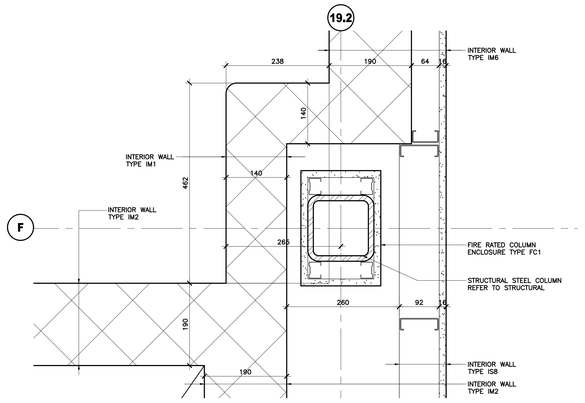

PLAN DETAIL
7 / A241 COLUMN @ ELEVATOR SHAFT
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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Tel: 613 236 1944 Telphone (613) 236-7115 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON. K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
PLAN DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	2527
DRAWN BY / DESSINÉ PAR	A.L.	ISSUE No	3
CHECKED BY / VÉRIFIÉ PAR	J.J.	REV. No	0
DATE	MAR 2026	DRAWING/DESSIN	A241

ACAD FILE/FICHIER: 2527-A241.DWG

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Plot By: SHAPIL ROUX
Plot Date: 26/04/2026 Plot Time: 11:17:56
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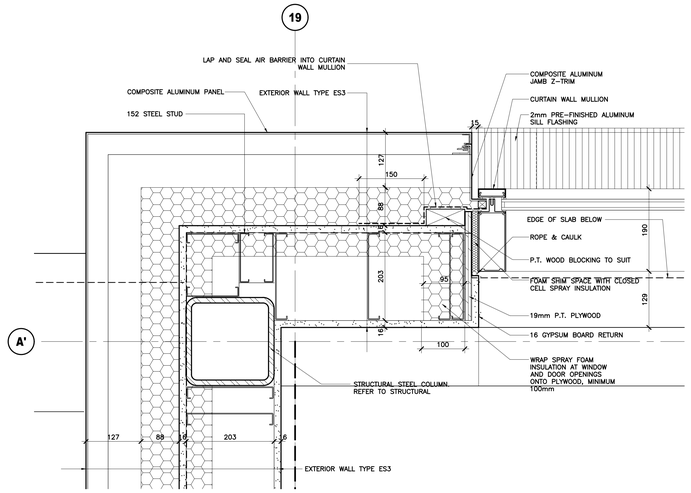

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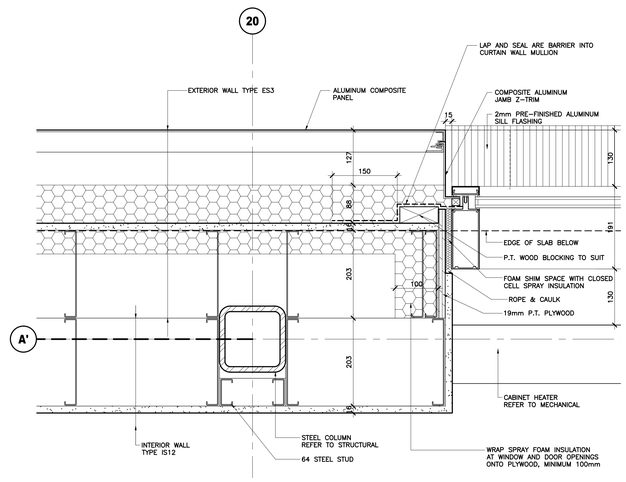

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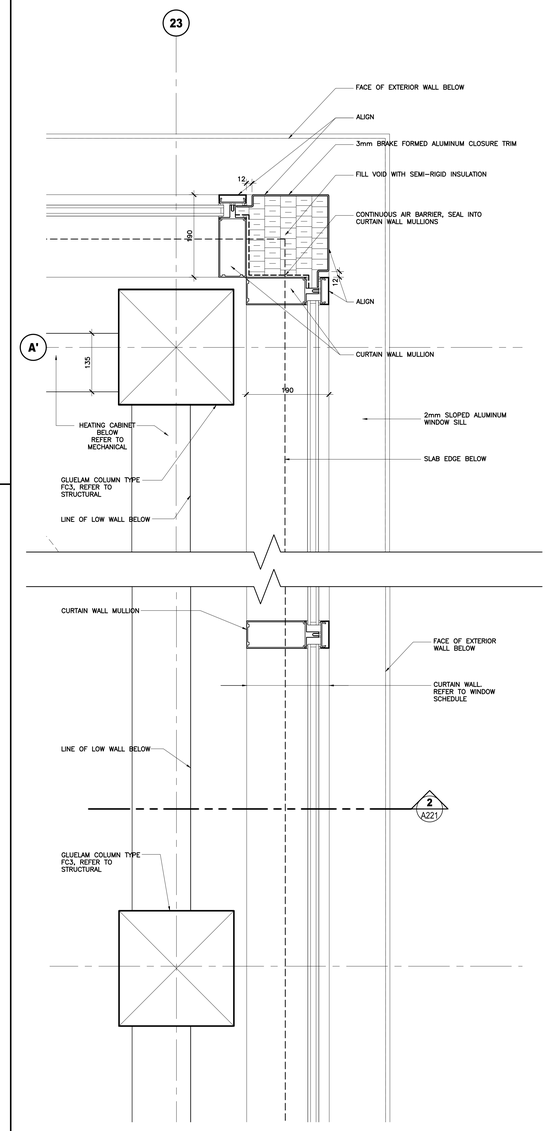

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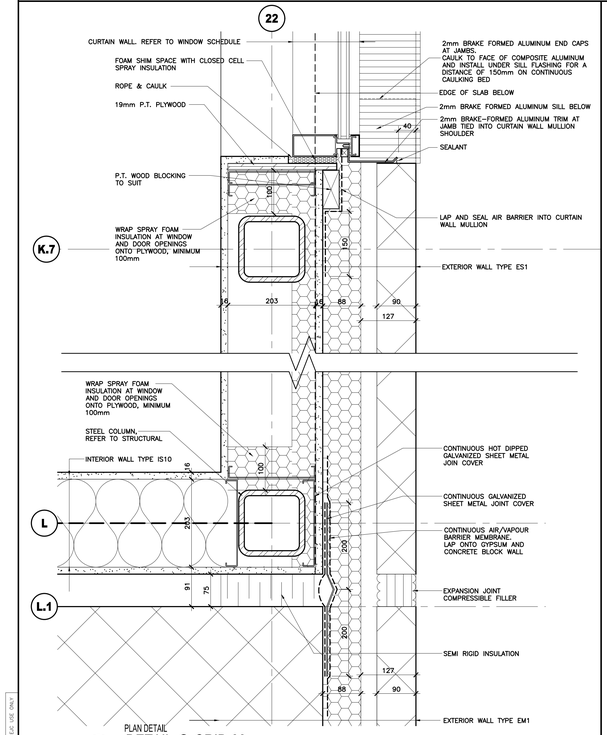

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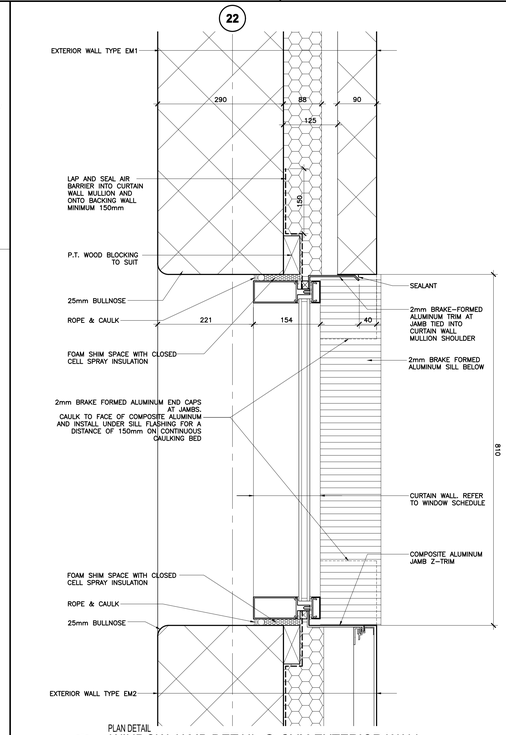
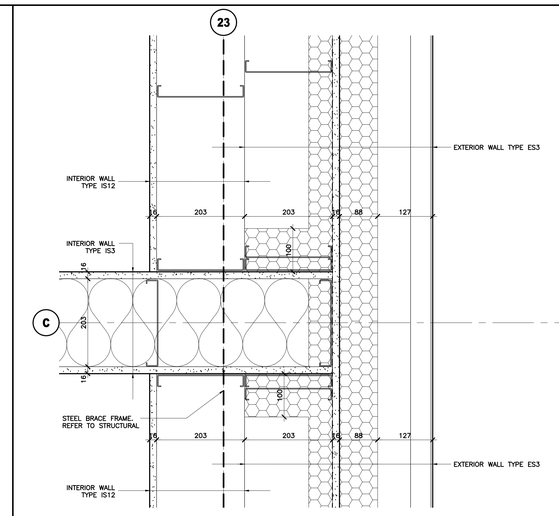


PLAN DETAIL
WINDOW JAMB DETAIL @ GYM EXTERIOR WALL
4 / A242 1:5



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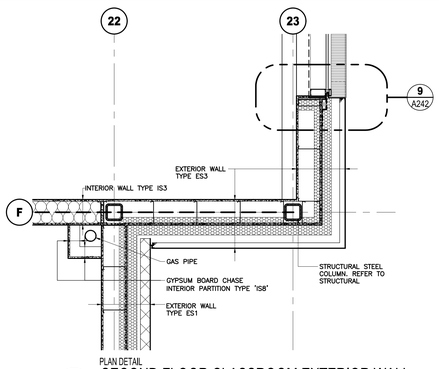
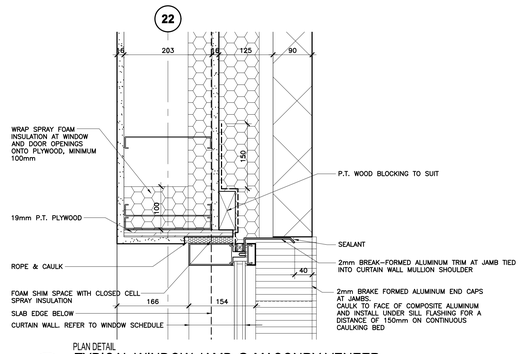
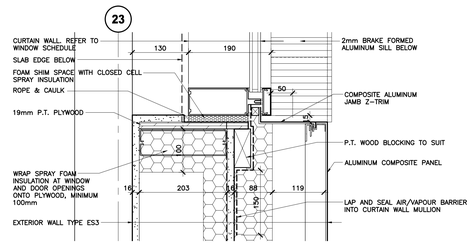


PLAN DETAIL
SECOND FLOOR CLASSROOM EXTERIOR WALL
7 / A242 1:20



PLAN DETAIL
TYPICAL WINDOW JAMB @ MASONRY VENEER
8 / A242 1:5



PLAN DETAIL
TYPICAL WINDOW JAMB @ COMPOSITE ALUMINUM PANEL
9 / A242 1:5

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Plot By SIMON ROCK
Plot Date 26/04/2024 Plot Time 11:39:09
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Écoles catholiques Centre-Est

ISSUE NO.	REV NO.	DATE YY/MM/DD	ISSUE
2	0	2026/04/24	ISSUED FOR TENDER
1	0	2026/03/27	ISSUED FOR BUILDING PERMIT

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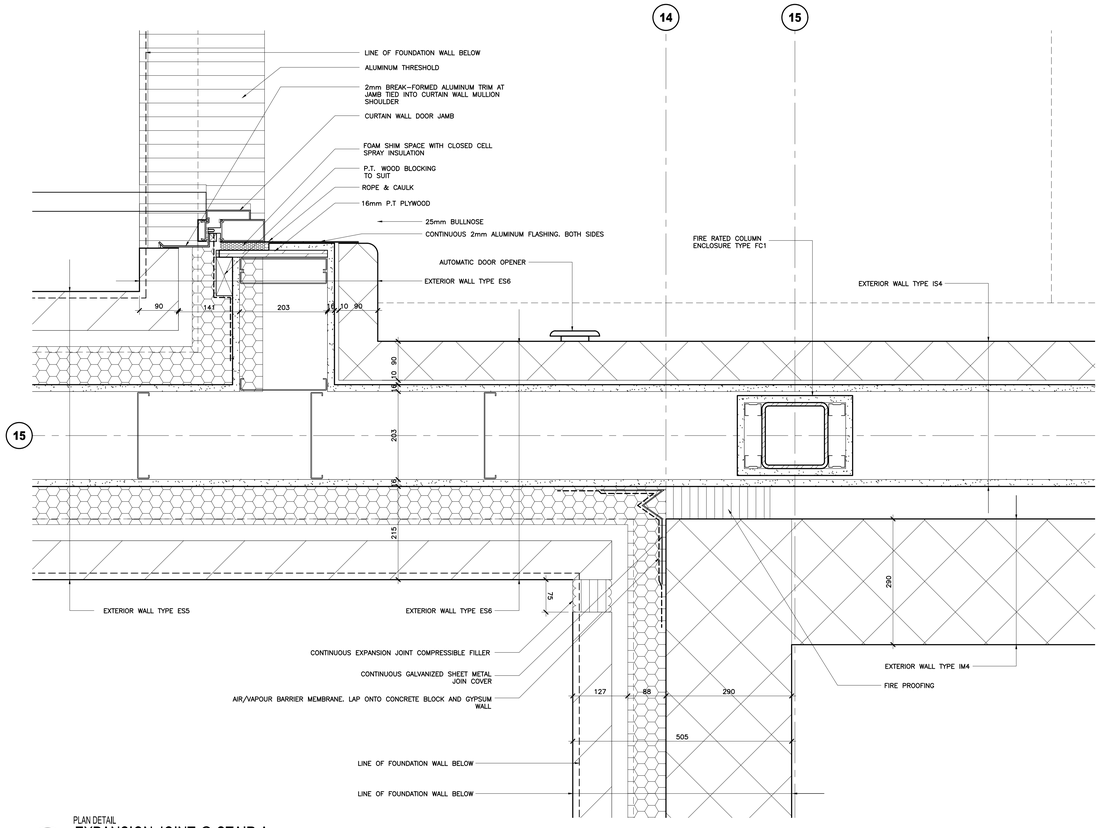
Fax (613) 236-1944 Telephone (613) 236-7135 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
PLAN DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	2527
ISSUE No	2	REV. No	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN	A242
CHECKED BY / VÉRIFIÉ PAR	J.J.		
DATE	MAR 2026	ACAD FILE/FICHIER	2527-A242.DWG



PLAN DETAIL

1 / A243

EXPANSION JOINT @ STAIR A

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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
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EDWARD J. CUHACI
& ASSOCIATES ARCHITECTS Inc.
171 Slater St. Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

PLAN DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No 2527	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN A243		
CHECKED BY / VERIFIÉ PAR	J.J.			
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A243.DWG		

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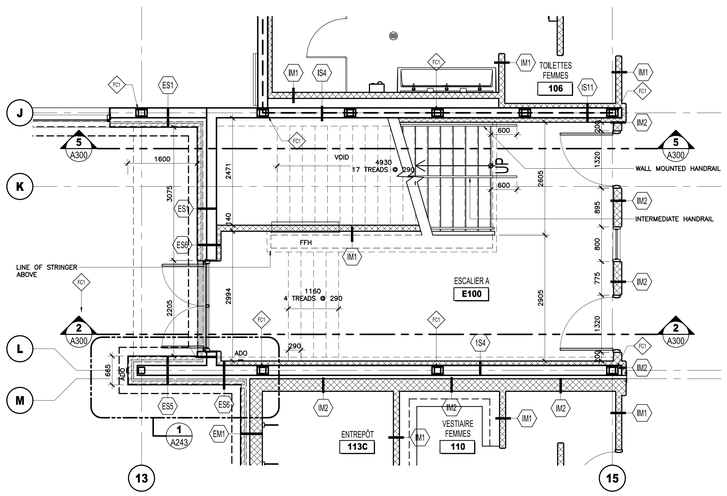

1 A300 STAIR A - GROUND FLOOR PLAN

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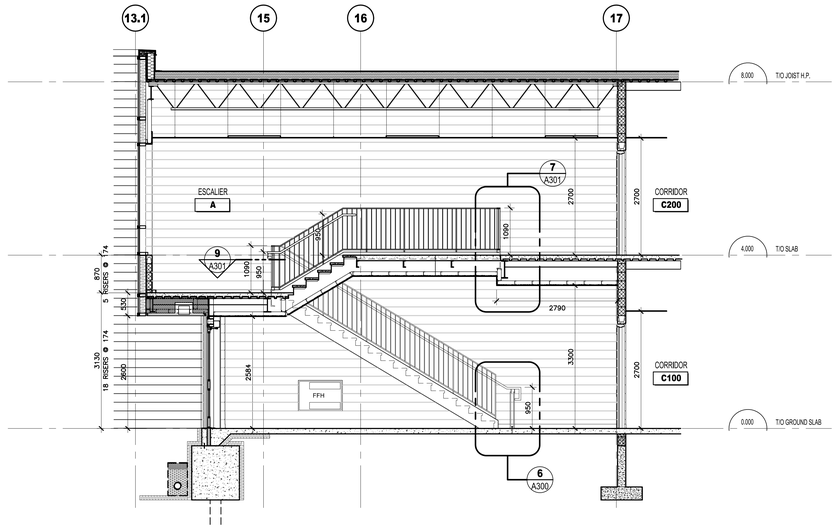

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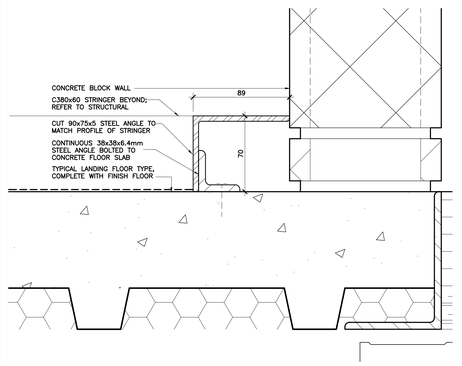

SECTION DETAIL

3 A300 INTERMEDIATE LANDING BASE DETAIL

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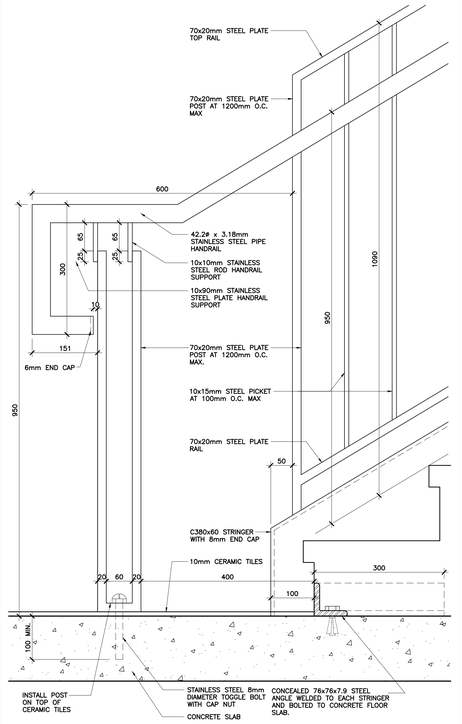

SECTION DETAIL

6 A300 EXTENDED BOTTOM OF INTERMEDIATE HANDRAIL

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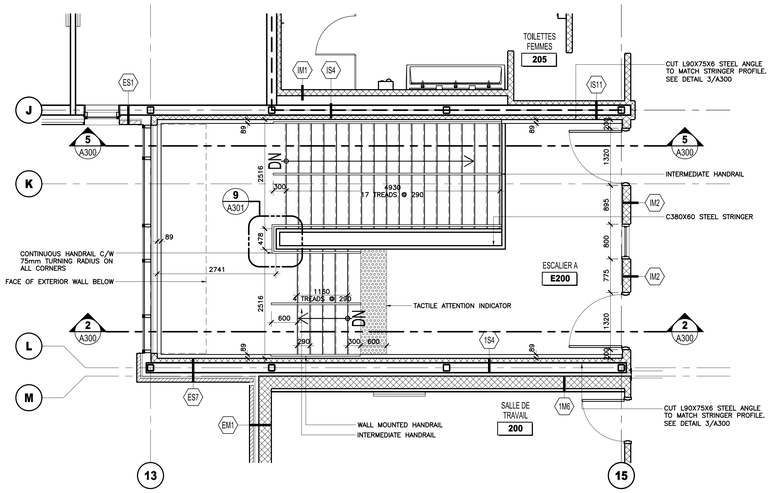

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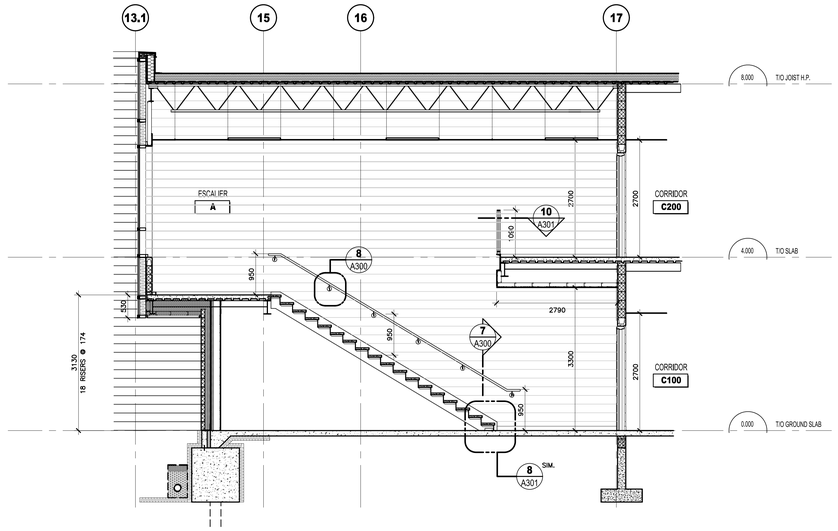

5 A300 STAIR A - SECTION 2

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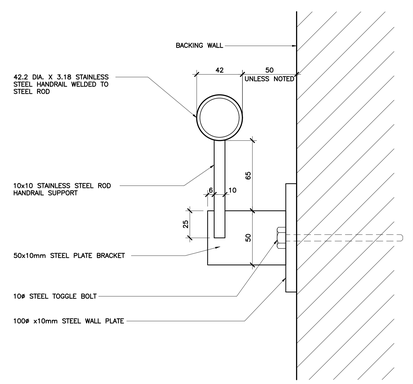
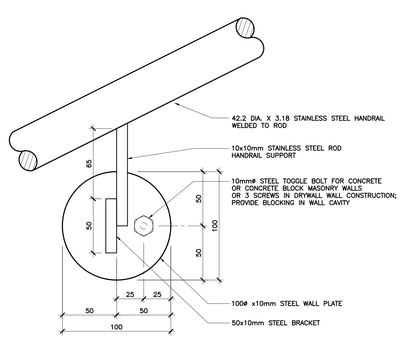


SECTION DETAIL

7 A300 TYPICAL WALL HANDRAIL SECTION

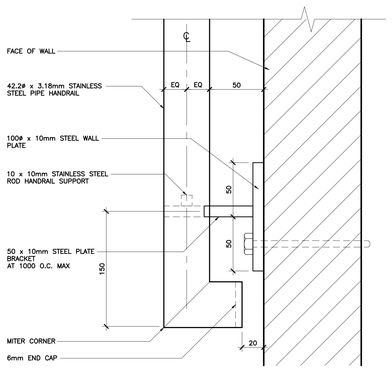
1:2



ELEVATION DETAIL

8 A300 TYPICAL WALL HANDRAIL SUPPORT

1:2



PLAN DETAIL

9 A300 TYPICAL WALL HANDRAIL END DETAIL

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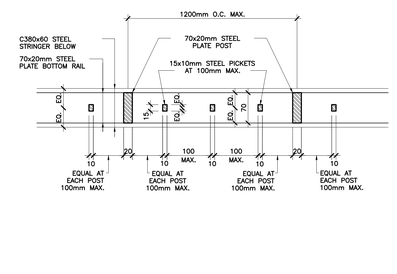
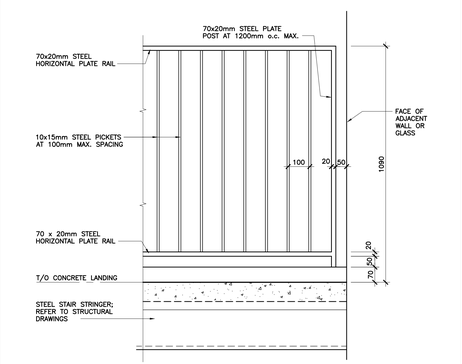


PLAN DETAIL

10 A300 GUARDRAIL PLAN AT BOTTOM RAIL

1:5



ELEVATION DETAIL

11 A300 TYPICAL GUARDRAIL CONNECTION AT WALL

1:10

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

STAIRS PLANS, SECTIONS & DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	2527
DRAWN BY / DESSINÉ PAR	A.L.	ISSUE No	3
CHECKED BY / VÉRIFIÉ PAR	J.J.	REV. No	0
DATE	MAR 2026	DRAWING/DESSIN	A300

ACAD FILE/FICHIER: 2527-A300.DWG

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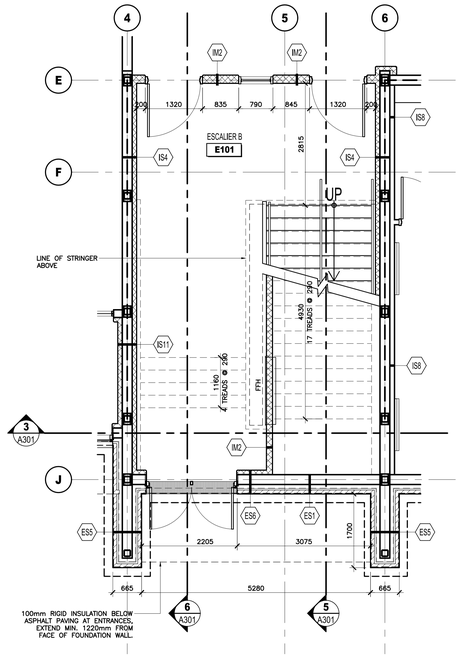

1 A301 STAIR B - GROUND FLOOR PLAN
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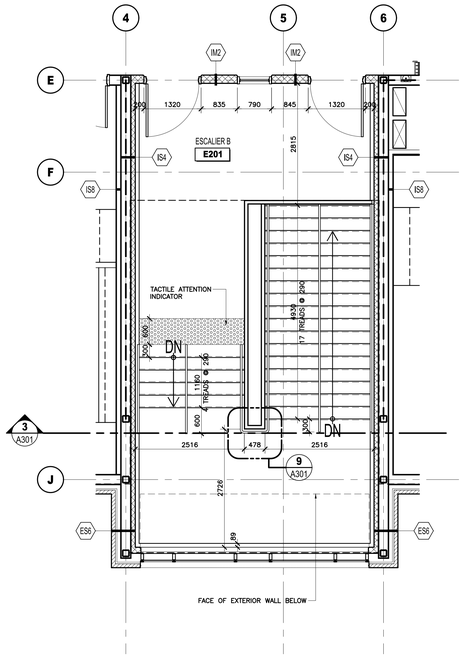

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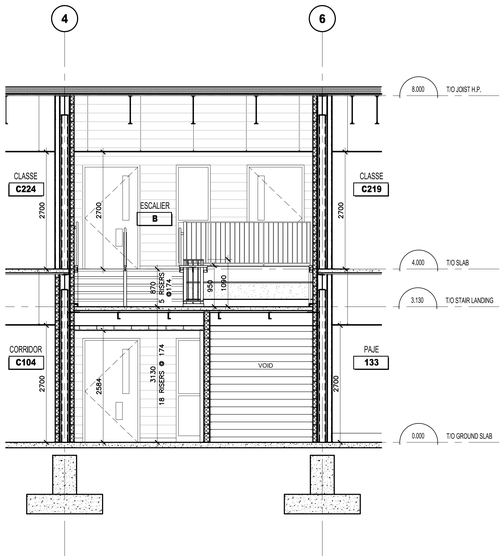

3 A301 STAIR B SECTION
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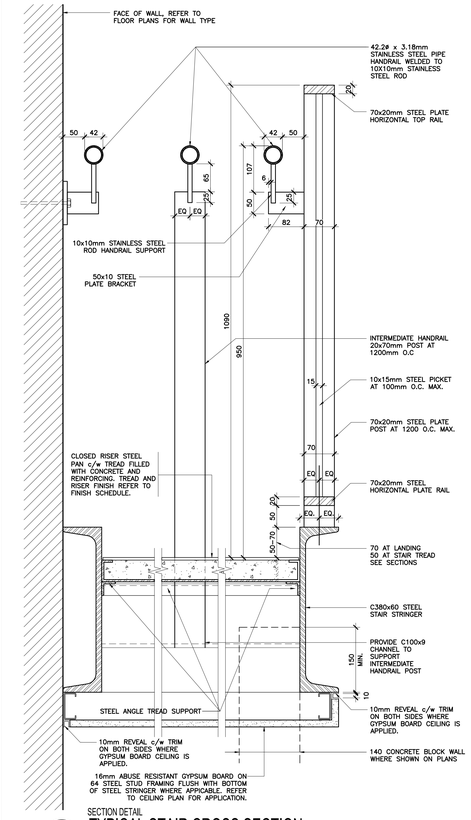

SECTION DETAIL
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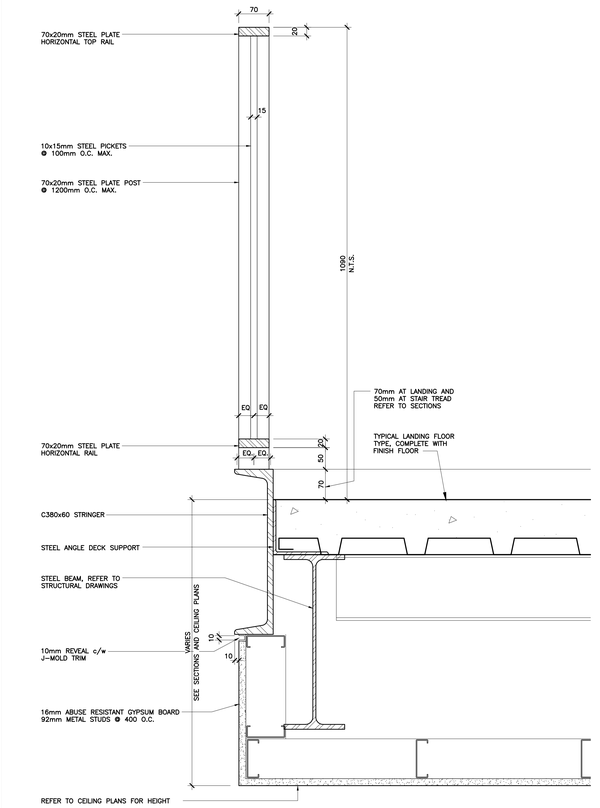

SECTION DETAIL
7 A301 GUARDRAIL SECTION AT LANDING
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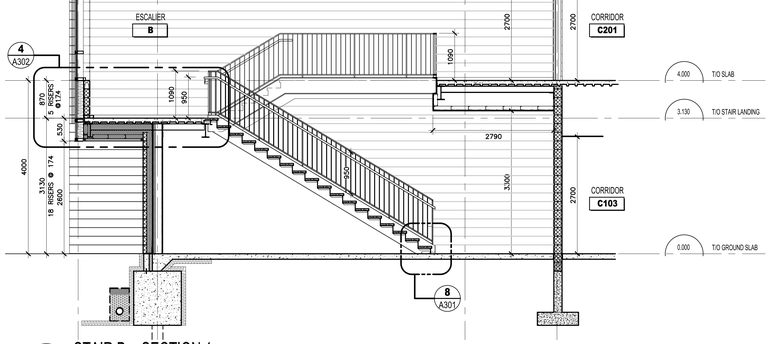

5 A301 STAIR B - SECTION 1
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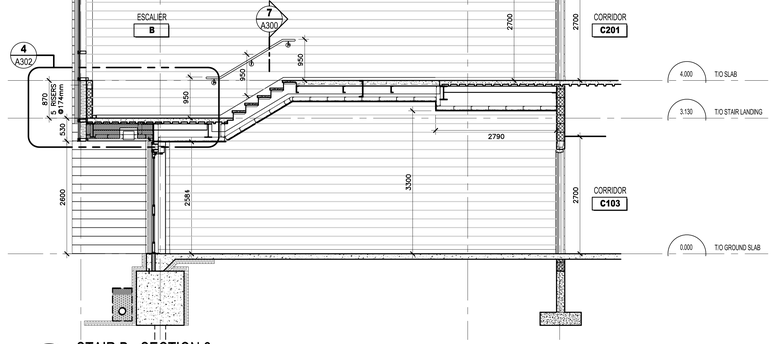

6 A301 STAIR B - SECTION 2
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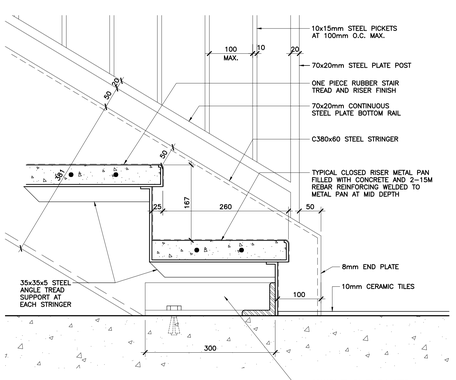

SECTION DETAIL
8 A301 STAIR ANCHOR DETAIL
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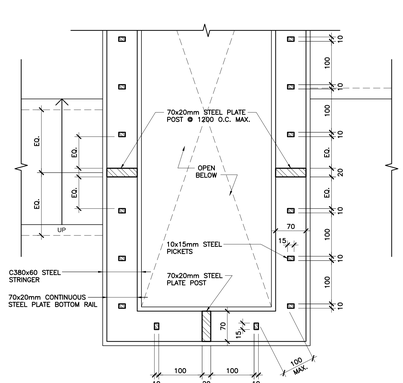

PLAN DETAIL
9 A301 LANDING GUARDRAIL
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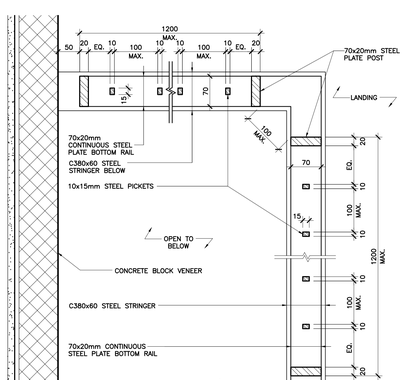

PLAN DETAIL
10 A301 SECOND FLOOR LANDING GUARDRAIL
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Écoles catholiques Centre-Est

3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION
ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE

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ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
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CECCE
4000 LABELLE STREET
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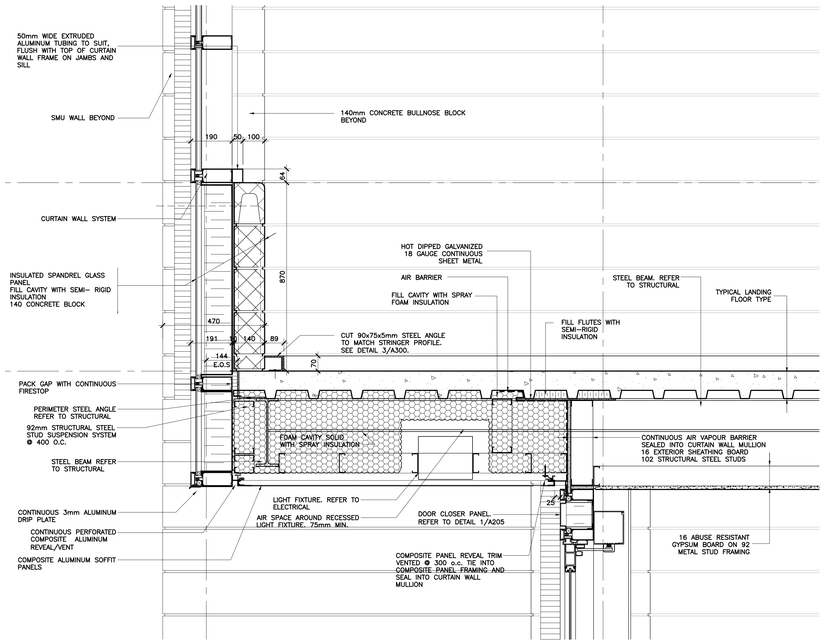
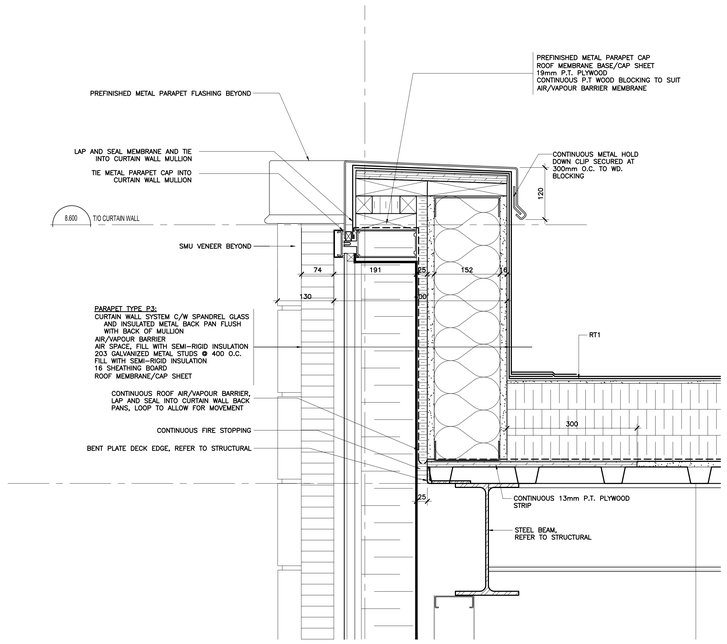
DRAWING TITLE/TITRE DU DESSIN
STAIR PLANS, SECTIONS & DETAILS

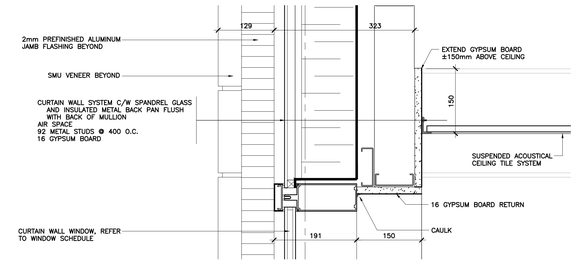
SCALE ÉCHELLE	AS NOTED	PROJ. No	2527
DRAWN BY DESSINÉ PAR	A.L.	ISSUE No.	3
CHECKED BY VÉRIFIÉ PAR	J.J.	REV. No	0
DATE	MAR 2026	DRAWING/DESSIN	A301
		ACAD FILE/FICHIER: 2527-A301.DWG	



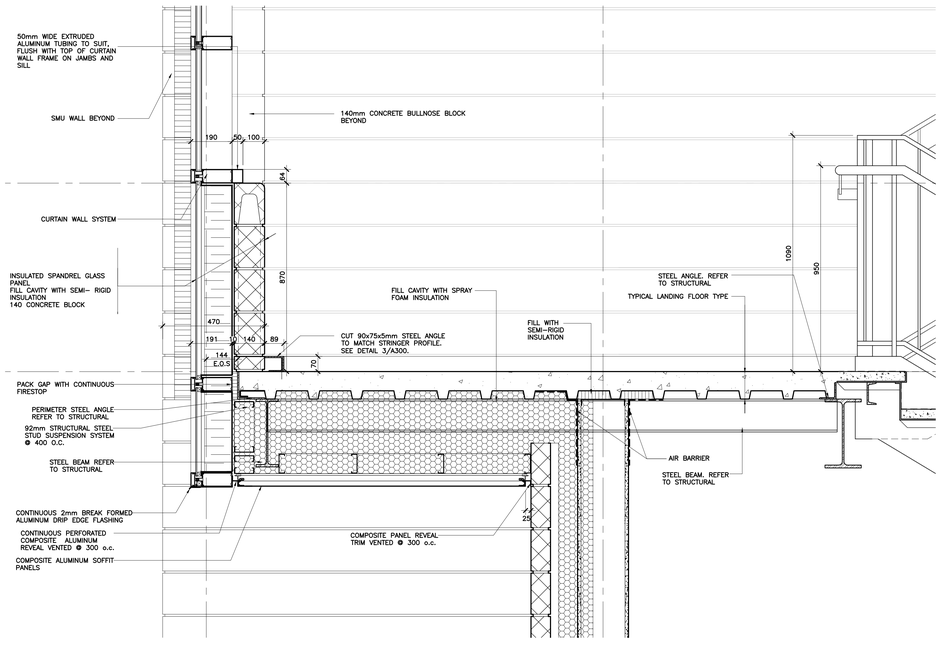
SECTION DETAIL
1 / A302
CURTAIN WALL @ LANDING
1:10



SECTION DETAIL
2 / A302
CURTAIN WALL PARAPET @ ROOF
1:5



SECTION DETAIL
3 / A302
CURTAIN WALL @ CEILING
1:5



SECTION DETAIL
4 / A302
STAIR LANDING
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Écoles catholiques Centre-Est

ISSUE NO.	REV NO.	DATE YY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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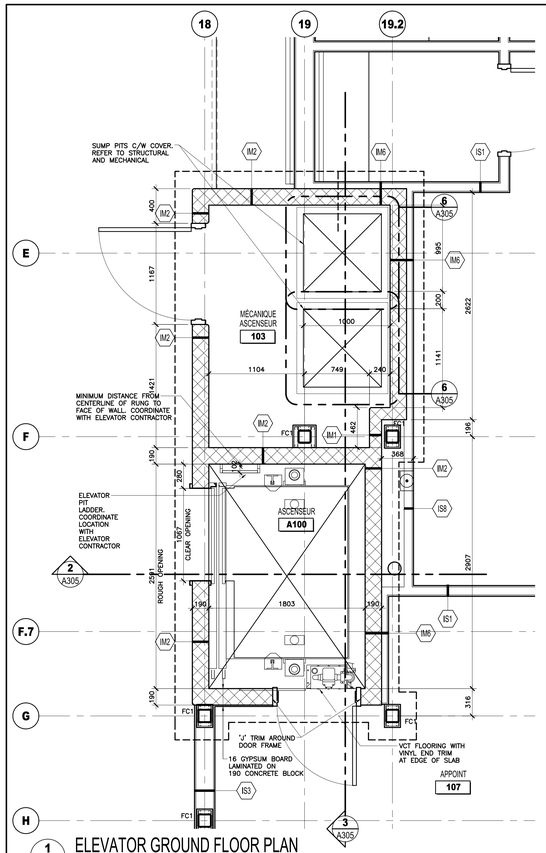
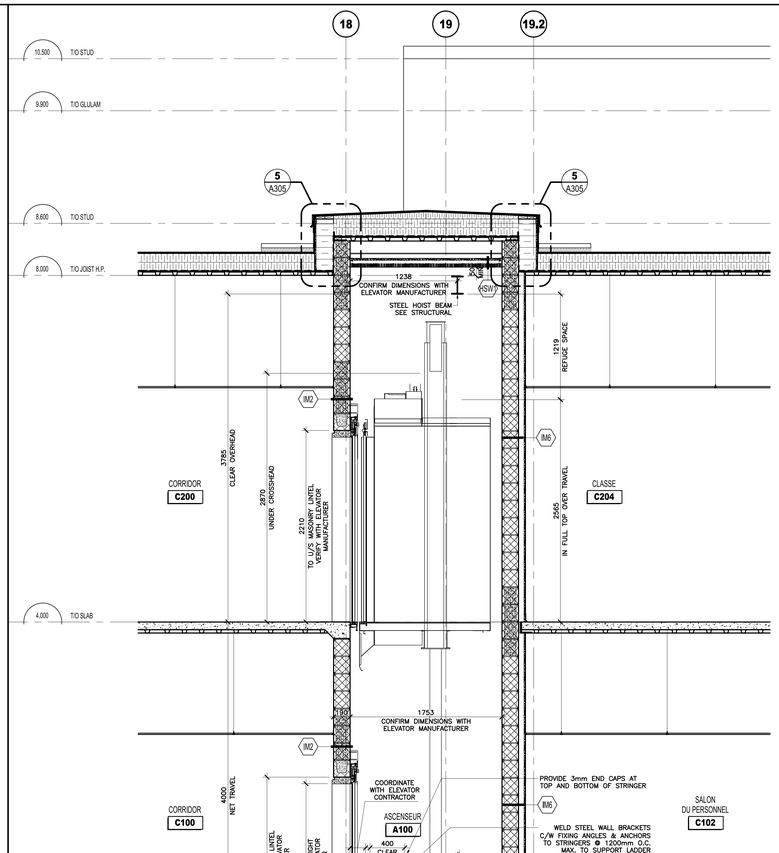
DRAWING TITLE/TITRE DU DESSIN
SECTION DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No	ISSUE No	REV. No
		2527	3	0
DRAWN BY / DESSINÉ PAR	A.L.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	**A302**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A302.DWG		



1 A305 ELEVATOR GROUND FLOOR PLAN 1:25



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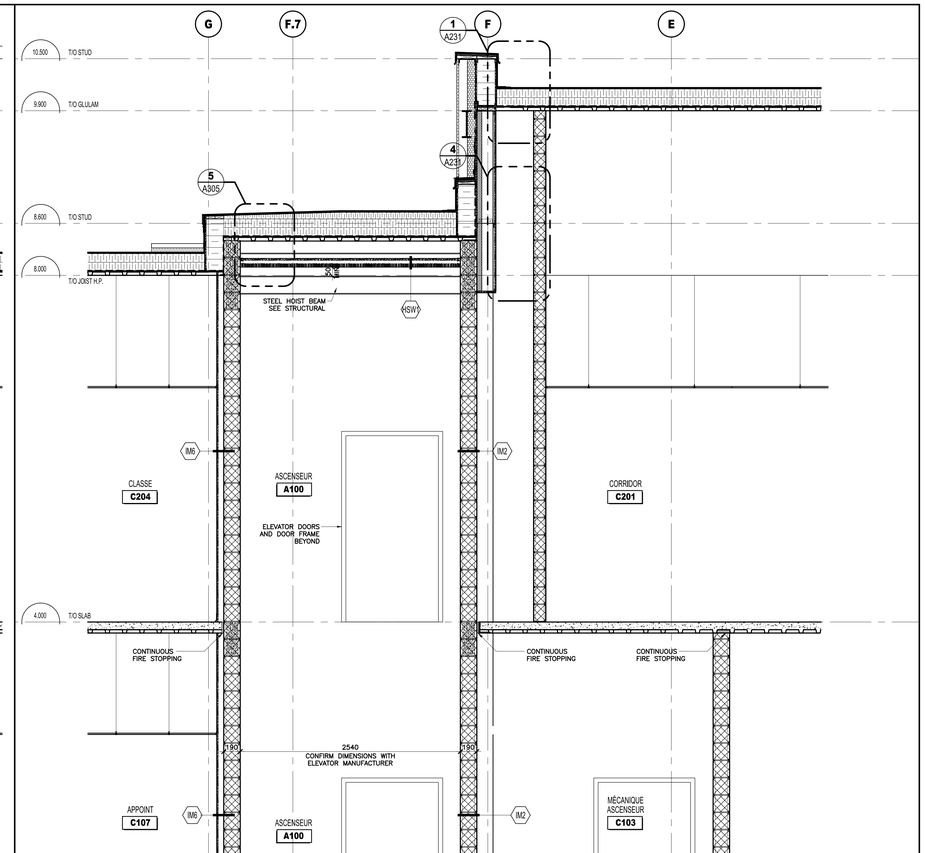

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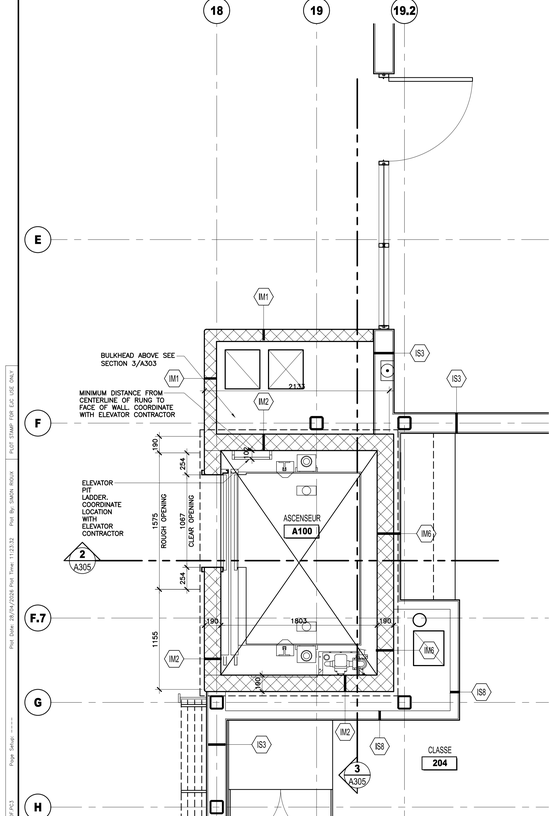

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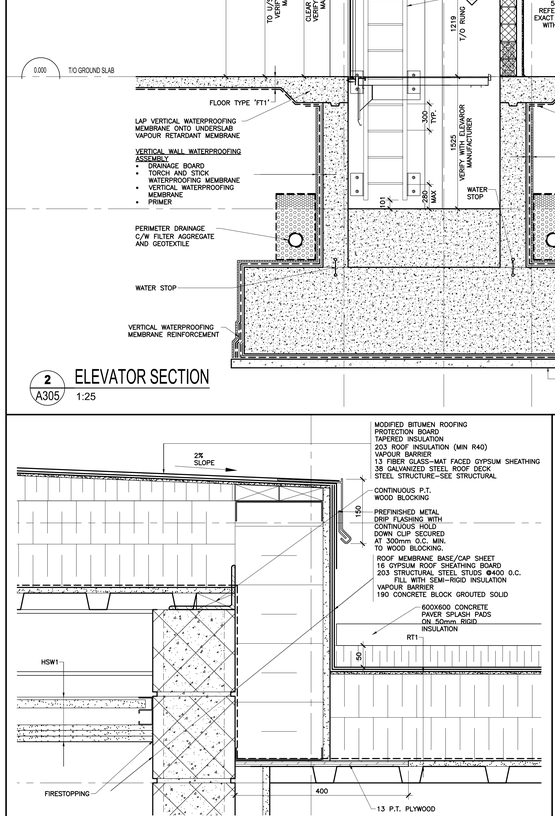
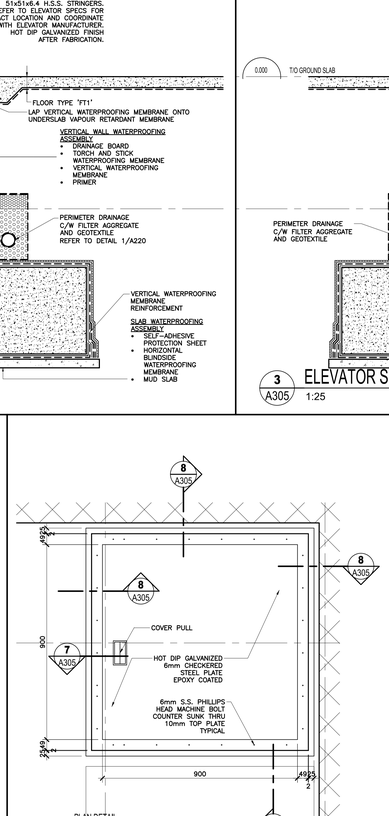
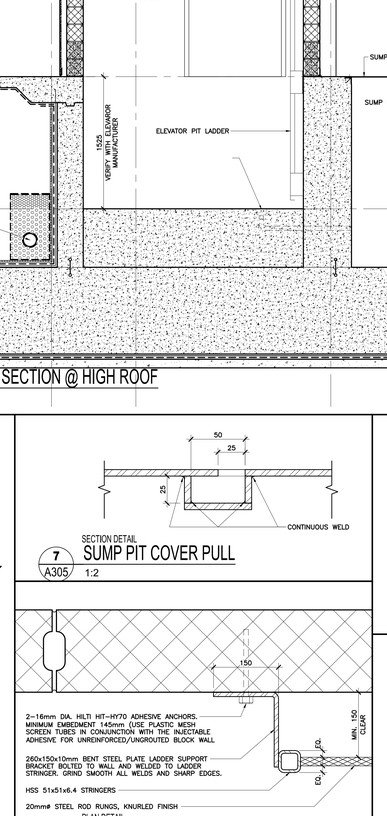


5 A305 PARAPET AT ELEVATOR PENTHOUSE 1:5

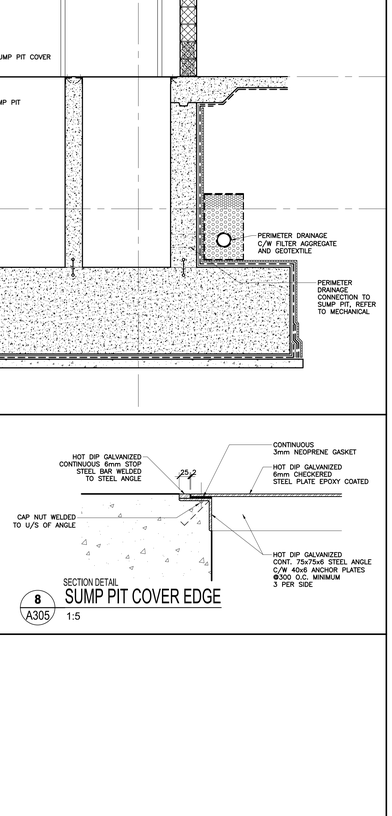


PLAN DETAIL SUMP PIT COVER 6 A305 1:10



SECTION DETAIL SUMP PIT COVER PULL 7 A305 1:2

PLAN DETAIL ELEVATOR PIT LADDER PLAN DETAIL 9 A305 1:5



SECTION DETAIL SUMP PIT COVER EDGE 8 A305 1:5

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3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

LES IDÉES, CONCEPTS, DISPOSITIONS ET PLANS MONTRÉS OU REPRÉSENTÉS PAR CE DESSIN APPARTIENNENT À EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC. ET ONT ÉTÉ CRÉÉS, ET DÉVELOPPÉS POUR ÊTRE UTILISÉS DANS LE CADRE DU PRÉSENT PROJET. ILS NE DOIVENT PAS ÊTRE UTILISÉS À D'AUTRES FINS NI COMMUNIQUÉS À QUI QUE CE SOIT SANS LA PERMISSION ÉCRITE DE EDWARD J. CUHACI AND ASSOCIATES ARCHITECTS INC.

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TRUE NORTH PLAN NORTH

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ELEVATOR PLANS AND SECTIONS

SCALE ÉCHELLE	AS SHOWN	PROJ. No	ISSUE No.	REV. No
		2527	3	0
DRAWN BY DESSINÉ PAR	AL/SR	DRAWING/DESSIN		
CHECKED BY VERIFIÉ PAR	SR/JJ	A305		
DATE	MARCH 2026	ACAD FILE/FICHIER: 2527-A305.DWG		

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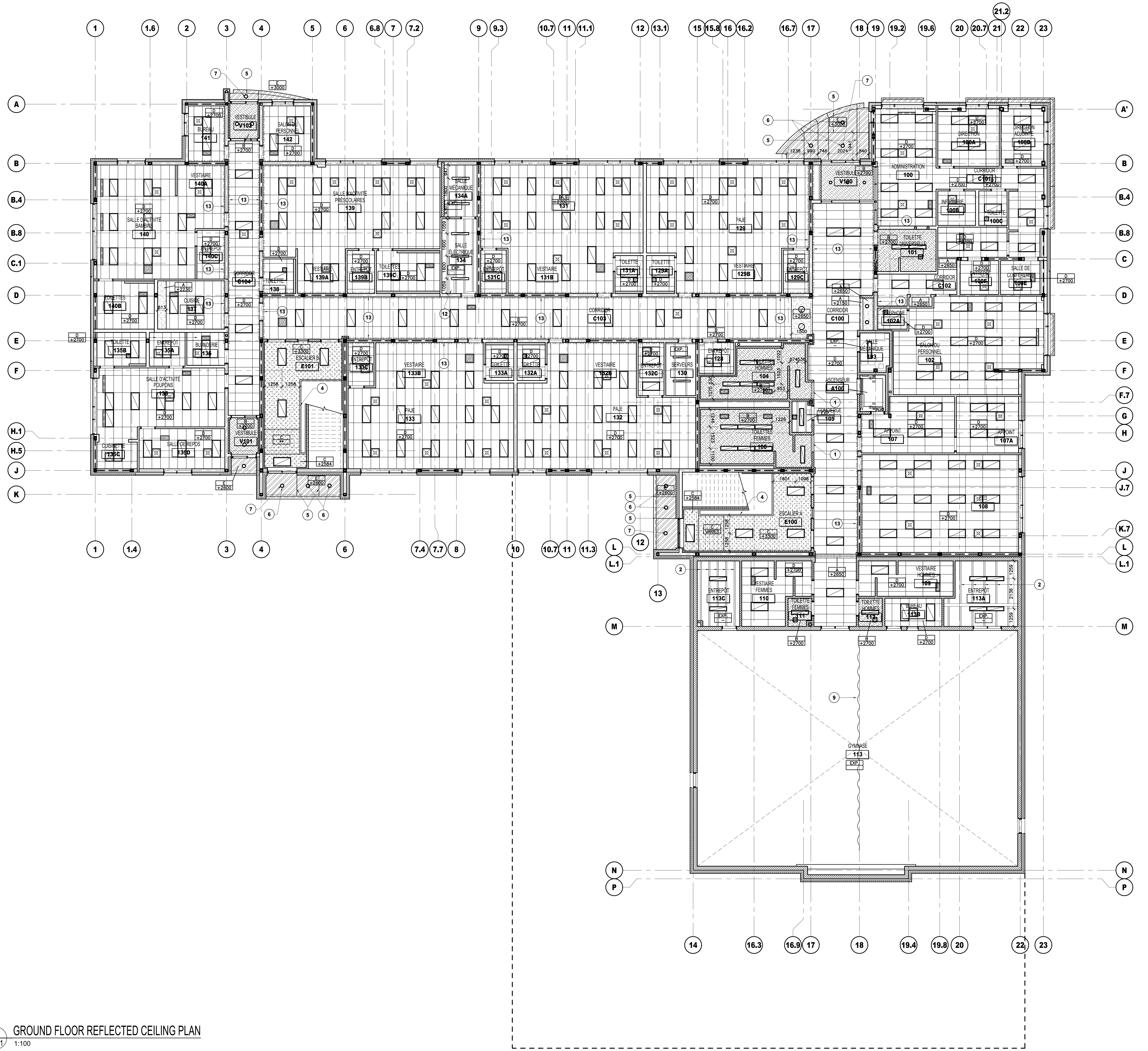

1 / A401 GROUND FLOOR REFLECTED CEILING PLAN
1:100

CEILING TYPE SCHEDULE

CEILING TYPE	INDICATION	DESCRIPTION
A		SUSPENDED GYPSUM BOARD CEILING OR BULKHEAD
B		PAPERLESS GYPSUM BOARD CEILING
C		ABUSE RESISTANT GYPSUM BOARD CEILING
D		2' X 4' (610mm X 1220mm) SUSPENDED ACOUSTICAL TILES CEILING
E		COMPOSITE ALUMINUM PANELS SOFFIT
F		EXPOSED GLUED–LAMINATED WOOD STRUCTURAL UNITS
G		HORIZONTAL SHAFT WALL CONSTRUCTION – HSW1

TYPICAL REFLECTED CEILING PLAN NOTES

1. IN THE EVENT OF DISCREPANCIES FOR THE LOCATION OF MECHANICAL OR ELECTRICAL ITEMS TO BE INCORPORATED, THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
2. IN THE EVENT OF DISCREPANCIES IN THE QUANTITY AND TYPE OF MECHANICAL, ELECTRICAL ITEMS TO BE INCORPORATED, MECHANICAL AND ELECTRICAL DRAWINGS SHALL GOVERN. REFER ALSO TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR OTHER ITEMS TO BE INCORPORATED BUT NOT SHOWN ON ARCHITECTURAL DRAWINGS.
3. REFLECTED CEILING PLANS ARE TO BE READ IN CONJUNCTION WITH DETAILS AND INFORMATION SHOWN ELSEWHERE ON DRAWINGS. IN THE EVENT OF DISCREPANCIES THE MORE STRINGENT REQUIREMENT SHALL GOVERN (FOR EXAMPLE: DRYWALL BULKHEADS SHOWN ON REFLECTED CEILING PLANS MAY NOT APPEAR ON BUILDING SECTIONS BUT ARE REQUIRED TO BE INCORPORATED).
4. UNLESS SHOWN OTHERWISE ON DRAWINGS, GYPSUM BOARD BULKHEADS SHALL EXTEND VERTICALLY A MINIMUM OF 100mm ABOVE THE ADJACENT CEILINGS. ALL BULKHEADS SHALL PROJECT A MINIMUM OF 25mm BELOW THE LOWEST ADJACENT ACOUSTIC TILE CEILING.
5. SEE FLOOR PLANS AND DRAWING A010 FOR ADDITIONAL TYPICAL NOTES. REFER ALSO TO DOOR SCHEDULE FOR FRAME INSTALLATION DETAILS AND WALL CONSTRUCTION ABOVE OPENINGS.
6. AT DISPLAY CASES PROVIDE STEPPED SOFFIT TO FACILITATE CONCEALED MOUNTING OF LIGHT FIXTURES.
7. AT RECESSED LIGHT FIXTURES INSTALLED IN GYPSUM BOARD SOFFITS, PROVIDE SUITABLE TRIM DETAIL, SIMILAR TO T–BAR FRAME TO PROVIDE SEAT AND SUPPORT FOR THESE UNITS. INSTALL ADDITIONAL HANGER WIRES.
8. PROVIDE MASONRY VENEER LOOSE LINTEL AT OPENINGS AND AS SHOWN. REFER TO STRUCTURAL DRAWINGS FOR SIZES.
9. IN ROOMS WITH EXPOSED PREFINISHED ACOUSTICAL ROOF DECK, PAINT ALL ELECTRICAL CONDUITS AND JUNCTION BOXES IN SAME COLOUR AS ROOF DECK.

DRAWING NOTES

1. EXPOSED MASONRY LINTEL, 2200mm A.F.F.
2. STRUCTURAL STEEL BEAM OR JOIST
3. GLUED–LAMINATED BEAM
4. STEEL STRINGER
5. 12mm WIDE REVEAL IN COMPOSITE ALUMINUM PANEL SOFFIT, CENTER AT CURTAIN WALL MULLION AND OPENING JAMB.
6. CENTER LIGHT FIXTURE IN SOFFIT PANEL.
7. CENTER LIGHT FIXTURE WITH DOOR OR WINDOW OPENING.
8. ROOF HATCH
9. GYMNASIUM CURTAIN DIVIDER SYSTEM
10. CONTINUOUS HORIZONTAL SHAFT WALL ASSEMBLY HSW1 ABOVE
11. NOT USED
12. EXPOSED MECHANICAL DUCTWORK, SEE MECHANICAL DRAWINGS
13. TYPE 'X' GYPSUM BOARD BULKHEAD ENCLOSURE FOR STEEL STRUCTURE ABOVE CEILING FINISH, REFER TO DRAWING A020 TYPICAL DETAILS AND STRUCTURAL DRAWING. COORDINATE LOCATIONS AND TYPE BETWEEN STRUCTURAL AND ARCHITECTURAL DOCUMENTS

LEGEND

- RECESSED POT LIGHT — REFER TO ELECTRICAL DRAWINGS
- LIGHT FIXTURE — REFER TO ELECTRICAL DRAWINGS
- WALL MOUNTED LIGHT FIXTURE — REFER TO ELECTRICAL DRAWINGS
- PENDANT LIGHT FIXTURE — REFER TO ELECTRICAL DRAWINGS
- DISPLAY CASE TRACK LIGHT — REFER TO ELECTRICAL DRAWINGS
- RADIANT HEATER — REFER TO MECHANICAL DRAWINGS
- MECHANICAL DIFFUSER — REFER TO MECHANICAL DRAWINGS
- MECHANICAL GRILLE — REFER TO MECHANICAL DRAWINGS
- TYPE 'X' GYPSUM BOARD BULKHEAD ENCLOSURE FOR STEEL STRUCTURE ABOVE CEILING FINISH, REFER TO DRAWING A020 TYPICAL DETAILS AND STRUCTURAL DRAWING. COORDINATE LOCATIONS AND TYPE BETWEEN STRUCTURAL AND ARCHITECTURAL DOCUMENTS
- FFH — CEILING MOUNTED FORCE FLOW HEATER — REFER TO MECHANICAL DRAWINGS
- X — DENOTES CEILING TYPE (SEE CEILING TYPE SCHEDULE)
- 2800 — DENOTES ELEVATION ABOVE FLOOR
- EXP. / – — DENOTES EXPOSED FLOOR OR ROOF STRUCTURE

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ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
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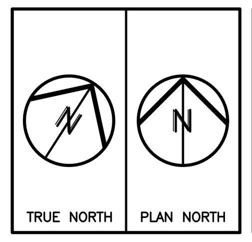

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3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GROUND FLOOR REFLECTED CEILING PLAN

SCALE / ÉCHELLE	1:100	PROJ. No 2527	ISSUE No 3 / REV. No 0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN	
CHECKED BY / VÉRIFIÉ PAR	J.J.	**A401**	
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A401.DWG	

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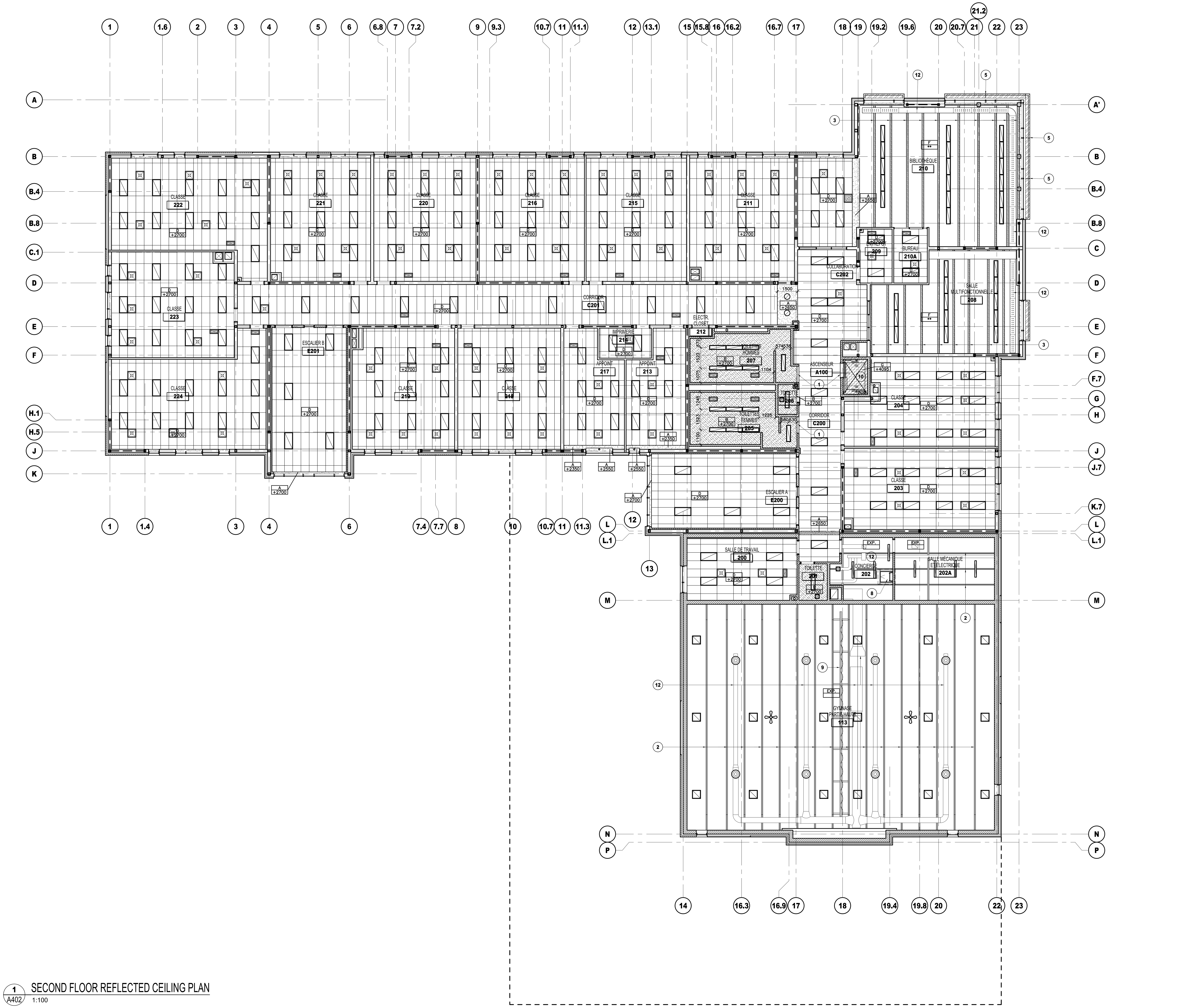

1
A402
SECOND FLOOR REFLECTED CEILING PLAN
1:100

CEILING TYPE SCHEDULE

CEILING TYPE	INDICATION	DESCRIPTION
A		SUSPENDED GYPSUM BOARD CEILING OR BULKHEAD
B		PAPERLESS GYPSUM BOARD CEILING
C		ABUSE RESISTANT GYPSUM BOARD CEILING
D		2' X 4' (610mm X 1220mm) SUSPENDED ACOUSTICAL TILES CEILING
E		COMPOSITE ALUMINUM PANELS SOFFIT
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- DISPLAY CASE TRACK LIGHT REFER TO ELECTRICAL DRAWINGS
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- X / 2800 — DENOTES CEILING TYPE (SEE CEILING TYPE SCHEDULE) / DENOTES ELEVATION ABOVE FLOOR
- EXP. — DENOTES EXPOSED FLOOR OR ROOF STRUCTURE

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DRAWING TITLE/TITRE DU DESSIN
SECOND FLOOR
REFLECTED CEILING PLAN

SCALE / ÉCHELLE	1:100	PROJ. No 2527	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	A402		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A402.DWG		

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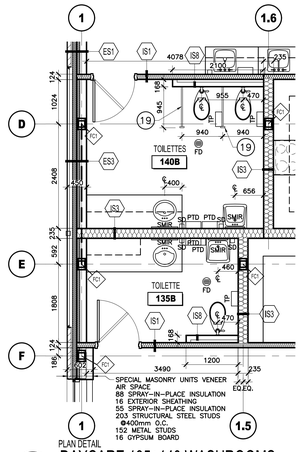

PLAN DETAIL
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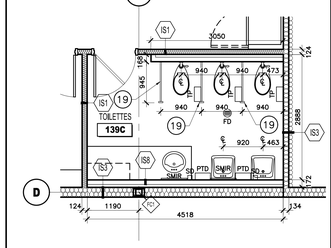

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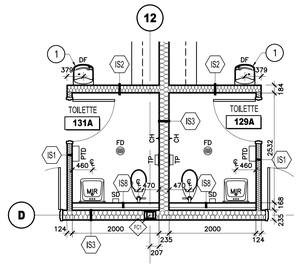

PLAN DETAIL
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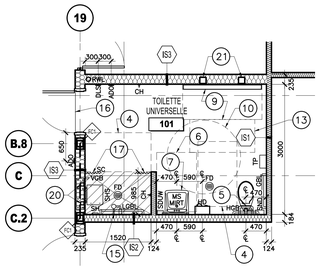
A500 1:50



PLAN DETAIL
4 UNIVERSAL WASHROOM
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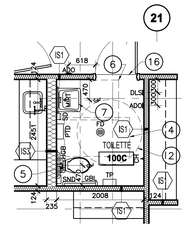
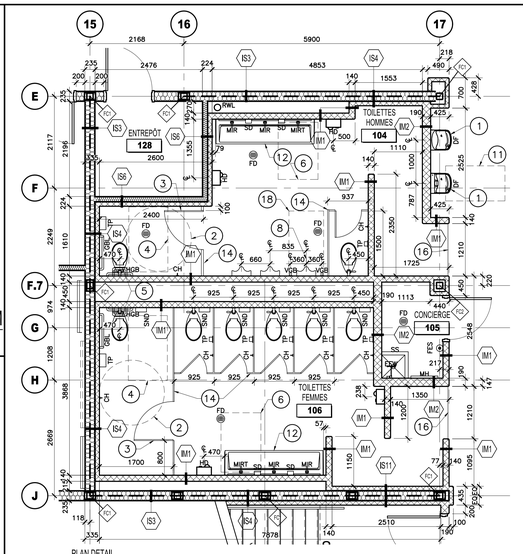
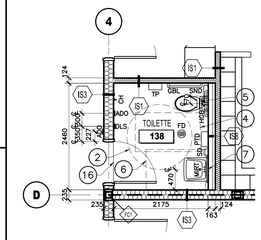


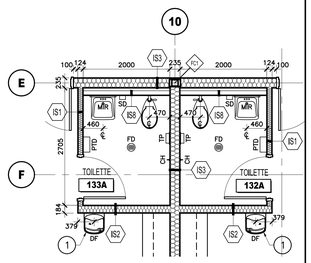
PLAN DETAIL
5 ADMINISTRATION WASHROOM
A500 1:50



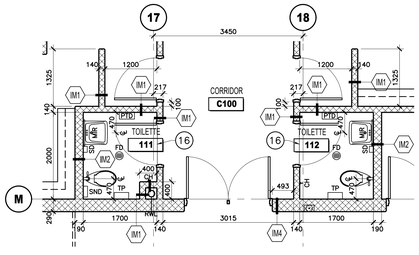
PLAN DETAIL
6 GROUND FLOOR GROUP WASHROOMS
A500 1:50



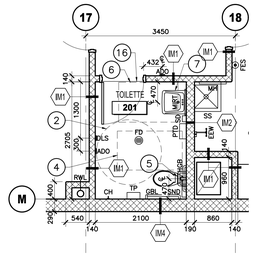
PLAN DETAIL
7 DAYCARE WASHROOM
A500 1:50



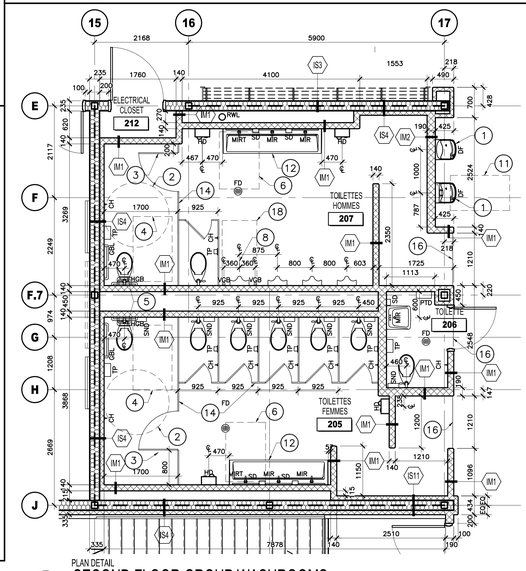
PLAN DETAIL
8 PAJE 132+133 WASHROOM
A500 1:50



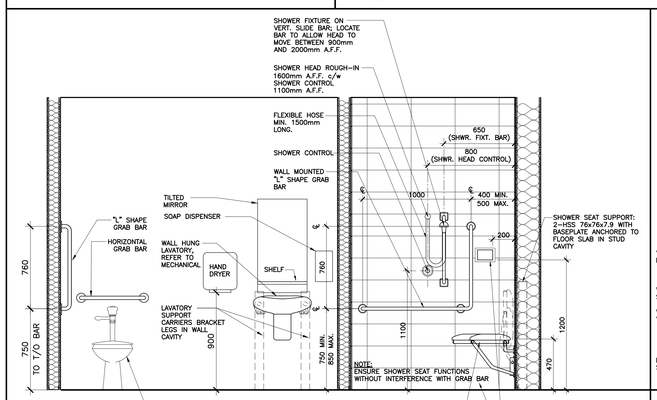
PLAN DETAIL
9 GYM WASHROOMS
A500 1:50



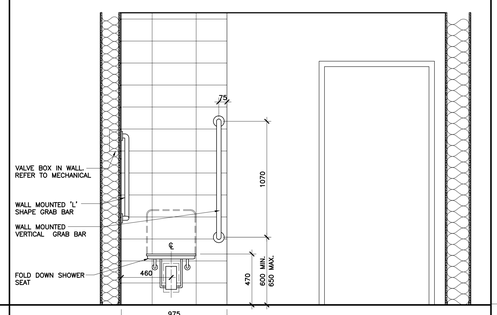
PLAN DETAIL
10 WASHROOM 201
A500 1:50



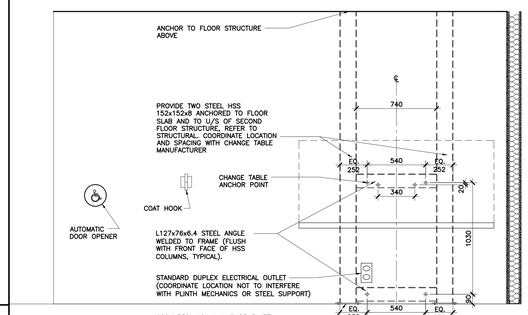
PLAN DETAIL
14 SECOND FLOOR GROUP WASHROOMS
A500 1:50



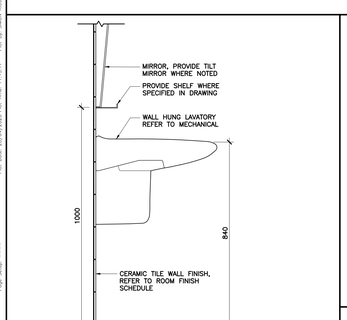
11 UNIVERSAL WASHROOM ELEVATION
A500 1:20



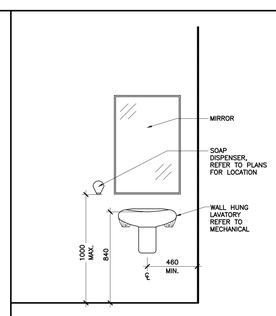
12 UNIVERSAL WASHROOM SHOWER SIDE ELEVATION
A500 1:20



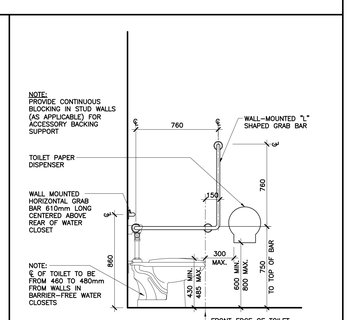
13 UNIVERSAL WASHROOM CHANGE TABLE ELEVATION
A500 1:20



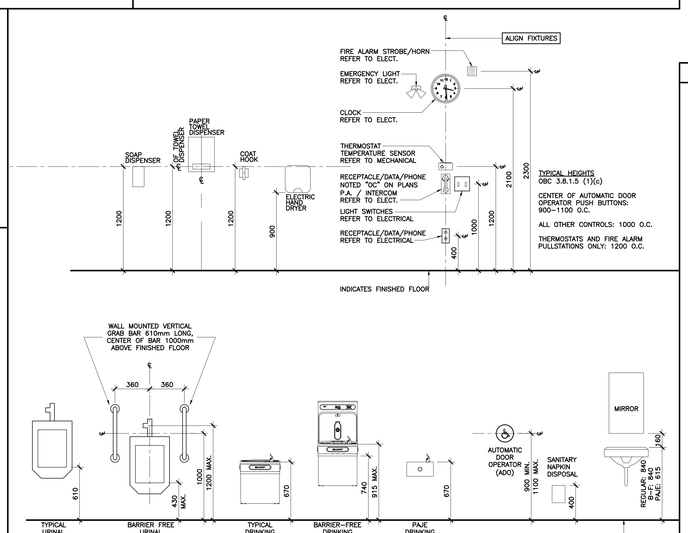
SIDE ELEVATION
15 UNIVERSAL+BARRIER-FREE LAVATORY
A500 1:10



FRONT ELEVATION
16 TYPICAL BARRIER-FREE LAVATORY
A500 1:20



SIDE ELEVATION
17 TYPICAL BARRIER-FREE WATER CLOSET
A500 1:20



ELEVATIONS
18 TYPICAL MOUNTING HEIGHTS
A500 1:25

KEY NOTES

ABBREVIATION NOTES FOR WASHROOM ACCESSORIES:

- ADO – AUTOMATIC DOOR OPERATOR
- DLS – DOOR LOCK SWITCH
- CH – COAT HOOK
- FD – FLOOR DRAIN, SEE MECHANICAL DRAWINGS
- GBL – GRAB BAR "L" SHAPE – 760x760mm
- HD – ELECTRICAL HAND DRYER, SEE ELECTRICAL DRAWINGS
- HGB – HORIZONTAL GRAB BAR – 610mm
- LGBL – LARGE GRAB BAR "L" SHAPE – 1016x762mm
- MH – MOP HOLDER
- MIR – MIRROR
- MIRT – TILTED MIRROR
- MS – MIRROR SHELF
- PTD – PAPER TOWEL DISPENSER
- RWL – RAIN WATER LEADER, SEE MECHANICAL DRAWINGS
- SC – SHOWER CURTAIN WITH ROD AND HOOKS
- SD – SOAP DISPENSER
- SDUW – SOAP DISPENSER FOR UNIVERSAL WASHROOM
- SMIR – SMALL MIRROR
- SND – SANITARY NAPKIN DISPOSAL
- SH – FULLY RECESSED SOAP HOLDER
- SHS – WALL MOUNTED SHOWER SEAT
- TP – TOILET PAPER DISPENSER
- VGB – VERTICAL GRAB BAR – SEE ELEVATIONS FOR LENGTH

75mm DEPRESSED SLAB – SLOPE FLOOR TO FLOOR DRAIN, REFER TO DETAIL 6/A501

DRAWING NOTES

1. DRINKING FOUNTAIN
2. 1500mm TURNING SPACE
3. 900mm WIDE DOOR WITH SPRING–TYPE OR GRAVITY HINGES FOR AUTOMATIC CLOSING. REFER TO DETAILS 4 AND 5 ON DRAWING A501.
4. 900x1500mm CLEAR TRANSFER SPACE
5. BACK SUPPORT, REFER TO MECHANICAL
6. 920x1370mm CLEAR AREA FOR BARRIER–FREE LAVATORY
7. BARRIER FREE LAVATORY, REFER TO MECHANICAL
8. BARRIER FREE URINAL, REFER TO MECHANICAL
9. FUTURE ADULT SIZED CHANGE TABLE
10. 1700mm TURNING SPACE
11. DRINKING FOUNTAIN APPROACH 810x1370mm
12. BARRIER FREE WASHFOUNTAIN – 3 STATIONS, REFER TO MECHANICAL
13. CHANGE TABLE CLEAR AREA 810x1830mm
14. TOILET PARTITION
15. SHOWER FIXTURE WAND AND HOSE
16. ALUMINUM TRANSITION TRIM, REFER TO FINISHES DRAWINGS
17. SHOWER CURTAIN AND SHOWER ROD
18. 800x1500mm CLEAR TRANSFER SPACE FOR BARRIER–FREE URINAL
19. 915x915mm TOILET SCREEN, FLOOR AND WALL ANCHORED
20. STEEL STRUCTURE SUPPORT FOR SHOWER SEAT, SEE DETAIL 11/A501
21. STEEL STRUCTURE SUPPORT FOR FUTURE CHANGE TABLE, SEE DETAIL 13/A500

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ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
3	0	2026/04/24	ISSUED FOR TENDER
2	0	2026/03/27	ISSUED FOR BUILDING PERMIT
1	0	2026/03/06	ISSUED FOR 70% SUBMISSION

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EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telephone (613) 230-7131 E-mail info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
WASHROOM PLANS, TYPICAL ELEVATIONS AND DETAILS

SCALE ÉCHELLE	AS SHOWN	PROJ. No	2527
DRAWN BY DESSINÉ PAR	S.R.	ISSUE No.	3
CHECKED BY VÉRIFIÉ PAR	J.J.	REV. No.	0
DATE	MAR 2026	DRAWING/DESSIN	**A500**

ACAD FILE/FICHIER: 2527-A500.DWG

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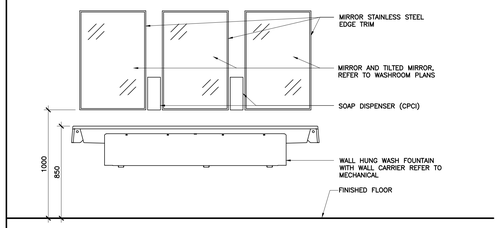
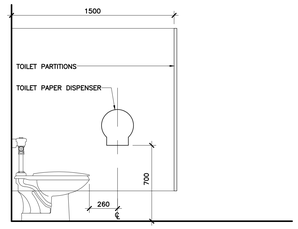
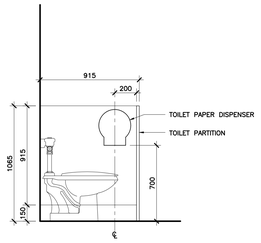


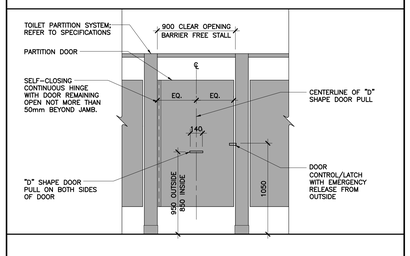
FRONT ELEVATION
1 A501 **TYPICAL BARRIER-FREE WASHFOUNTAIN**
1:20



SIDE ELEVATION
2 A501 **TYPICAL WATER CLOSET**
1:20

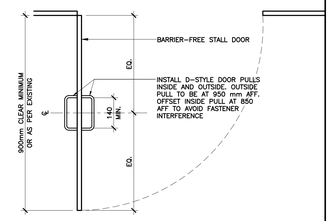


SIDE ELEVATION
3 A501 **DAYCARE TOILET PARTITIONS**
1:20

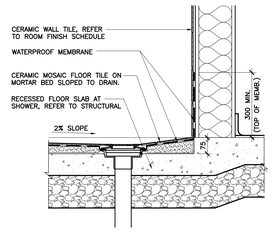


FRONT ELEVATION
4 A501 **BARRIER-FREE STALL ELEVATION**
1:25

NOTES:
1. AT LOCATIONS OF EXISTING DOORS, REMOVE EXISTING D-STYLE DOOR PULLS PRIOR TO REPLACEMENT. PATCH AND REPAIR HOLES AT LOCATIONS OF REMOVALS.
2. CONFIRM DOOR HANDLE HARDWARE WITH ARCHITECT PRIOR TO INSTALLATION



PLAN DETAIL
5 A501 **BARRIER-FREE STALL DOOR PULLS**
1:10



SECTION DETAIL
6 A501 **CERAMIC TILE FLOOR SLOPE TO DRAIN**
1:10

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CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

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WASHROOM DETAILS

SCALE / ÉCHELLE	AS SHOWN	PROJ. No 2527	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	J.J.	**A501**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2527-A501.DWG		

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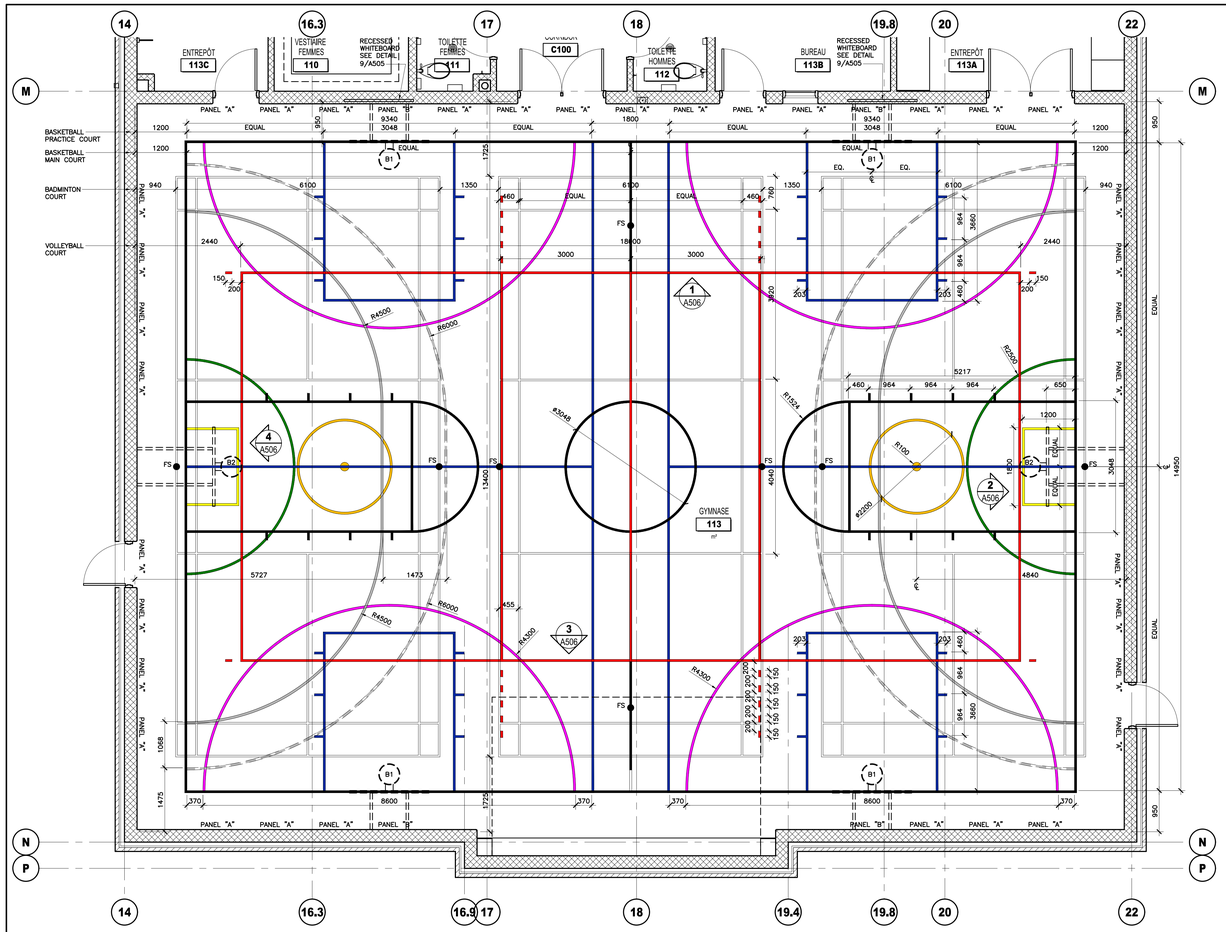
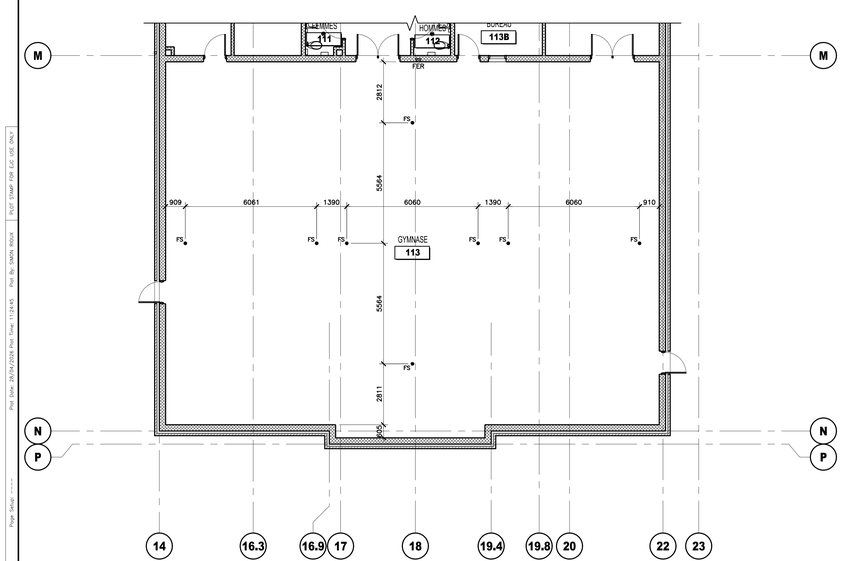
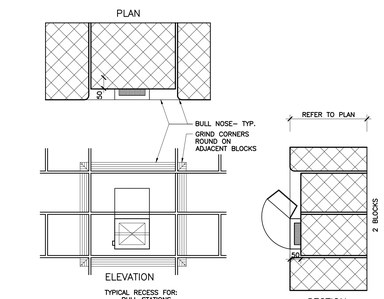
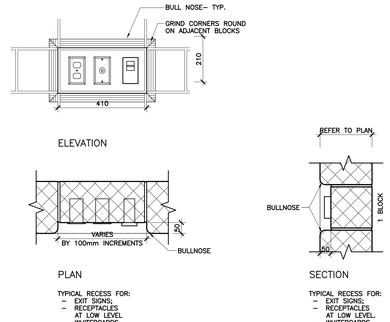


PARTIAL GROUND FLOOR PLAN
1 A505 GYM FLOOR GAME LINES
1:50



PARTIAL GROUND FLOOR PLAN
2 A505 GYM FLOOR SOCKETS LOCATION
1:100





EXPOSED DEVICES

DETAILS
3 A505 RECESSED BLOCK DETAILS - EXPOSED DEVICES
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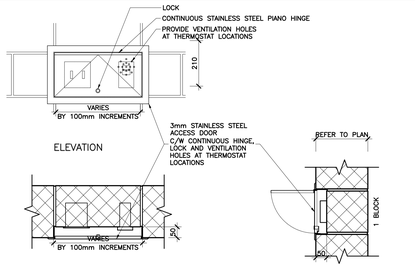

CONCEALED DEVICES

DETAILS
4 A505 RECESSED BLOCK DETAILS - CONCEALED DEVICES
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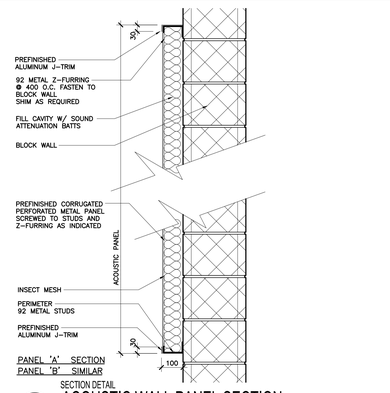


SECTION DETAIL
5 A505 ACOUSTIC WALL PANEL SECTION
1:10

GYMNASIUM SPORTS FLOOR LINES NOTES AND LEGEND

NOTES
VOLLEYBALL COURT CENTERLINE TAKES PRECEDENCE IN COLOR.

BASKETBALL COURT OUTER EDGE DIMENSIONS TO INSIDE OF LINES.

ALL OTHER DIMENSIONS TO OUTER EDGE.

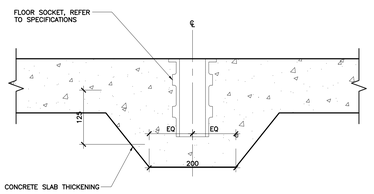
GAME LINE COLORS AND PRIORITY
1–VOLLEYBALL (CENTRELINE) ---> RED
2–BASKETBALL (MAIN) ---> BLACK
3–BASKETBALL (PRACTICE) ---> BLUE
4–VOLLEYBALL (MAIN) ---> RED
5–HANDBALL ---> GRAY
6–BADMINTON ---> WHITE
7–FLAG BALL ---> YELLOW
8–PINBALL ---> ORANGE
9–FLOOR HOCKEY ---> GREEN
10–BORDENBALL ---> PURPLE

GAME LINE WORK WIDTH:

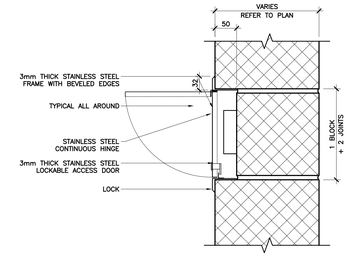
ALL LINES 50 WIDE (SOLID) UNLESS STATED OTHERWISE.

BASKET. MAIN CIRCLES (50mm)
BASKET. MAIN PERIMETER (50mm)
BASKET. MAIN CENTER (50mm)
BASKET. KEYS (50mm)
VOLLEY BOUNDARY (50mm)
VOLLEY ATTACK (50mm)
VOLLEY SERVICE (50mm)
BADMIN. SHORT SERVICE (40mm)
BADMIN. LONG SERVICE: DBLS (40mm)
BADMIN. LONG SERVICE: SGLS (40mm)
BADMIN. SIDE LINE: DBLS (40mm)
BADMIN. SIDE LINE: SGLS (40mm)
FLOOR HOCKEY: (50mm)
BORDENBALL: (50mm)

LEGEND
BASKETBALL (MAIN) 20380 x 14000
BASKETBALL (PRACTICE x2) 14950 x 9540
VOLLEYBALL (MAIN) 18000 x 9000
BADMINTON (MAIN x3) 13400 x 6100
B1–BASKETBALL BACKSTOP ABOVE (WALL MOUNTED)
B2–BASKETBALL BACKSTOP ABOVE (WALL MOUNTED SIDE SWING)
FS FLOOR SOCKET SEE DETAIL (℄ TO BOUNDARY EDGE)



SECTION DETAIL
6 A505 FLOOR SOCKET DETAIL
1:5



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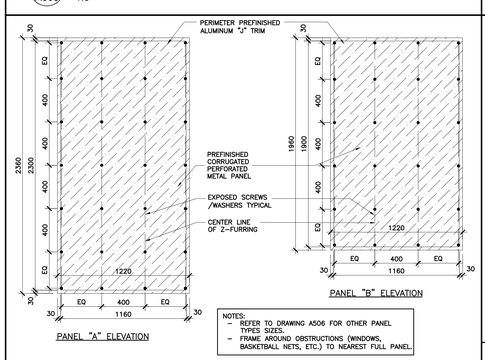

INTERIOR ELEVATION
8 A505 ACOUSTIC WALL PANELS ELEVATION
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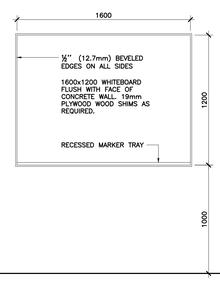
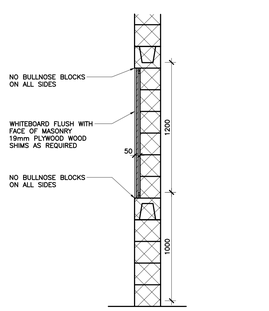


INTERIOR ELEVATION
9 A505 RECESSED WHITE BOARD ELEVATION
1:20



SECTION DETAIL
10 A505 RECESSED WHITE BOARD SECTION
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Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
1	0	2026/04/24	ISSUED FOR TENDER

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GYM GAME LINES AND DETAILS

SCALE / ÉCHELLE	AS SHOWN	PROJ. No	2527
DRAWN BY / DESSINÉ PAR	S.R.	ISSUE No	
CHECKED BY / VÉRIFIÉ PAR	J.J.	REV. No	
DATE	APRIL 2026	DRAWING/DESSIN	A505

ACAD FILE/FICHIER: 2527-A505.DWG

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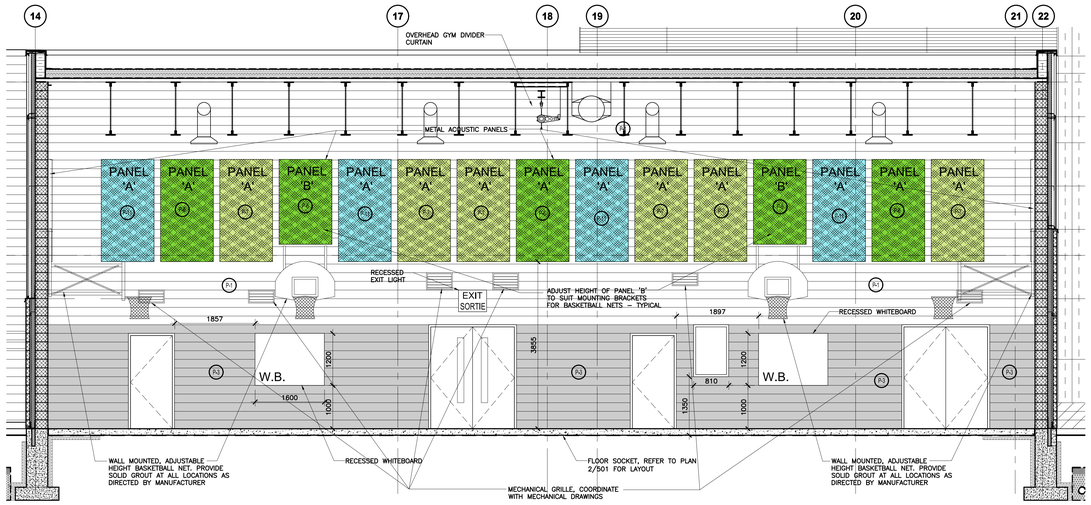
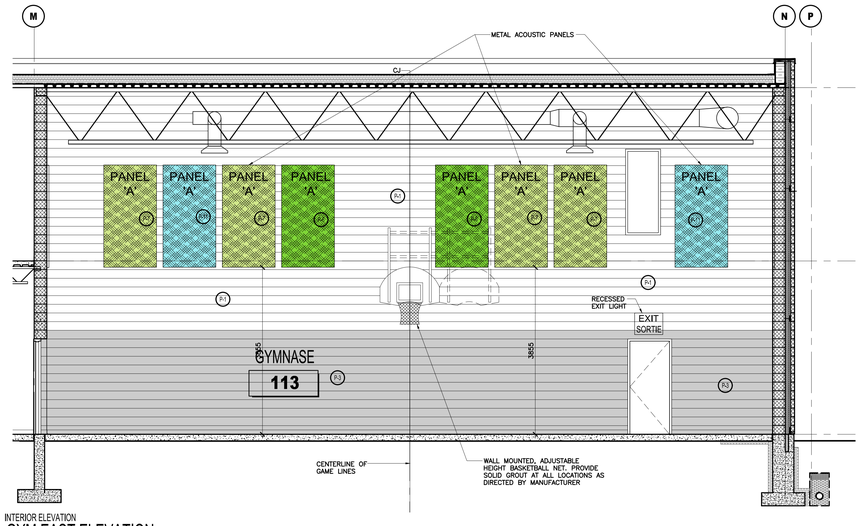
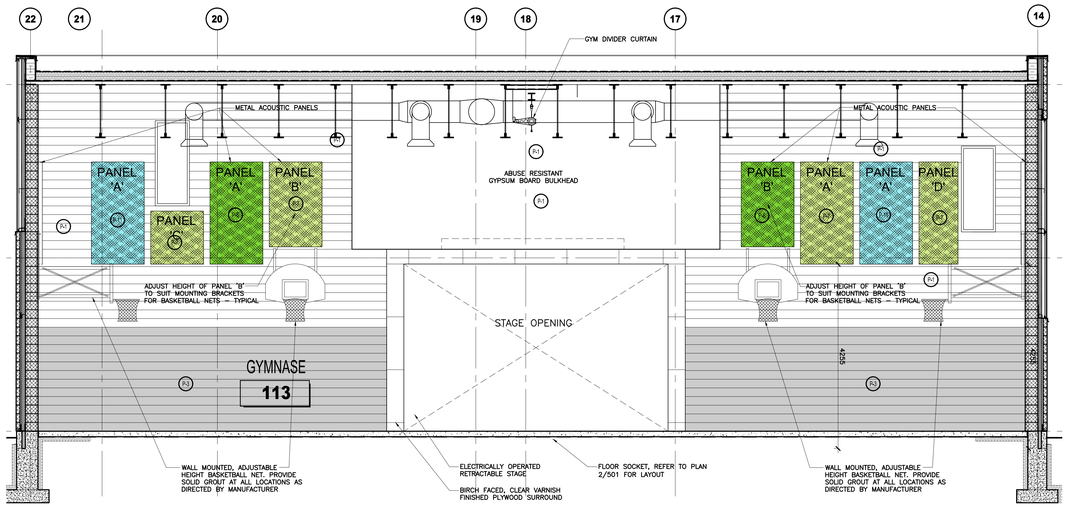


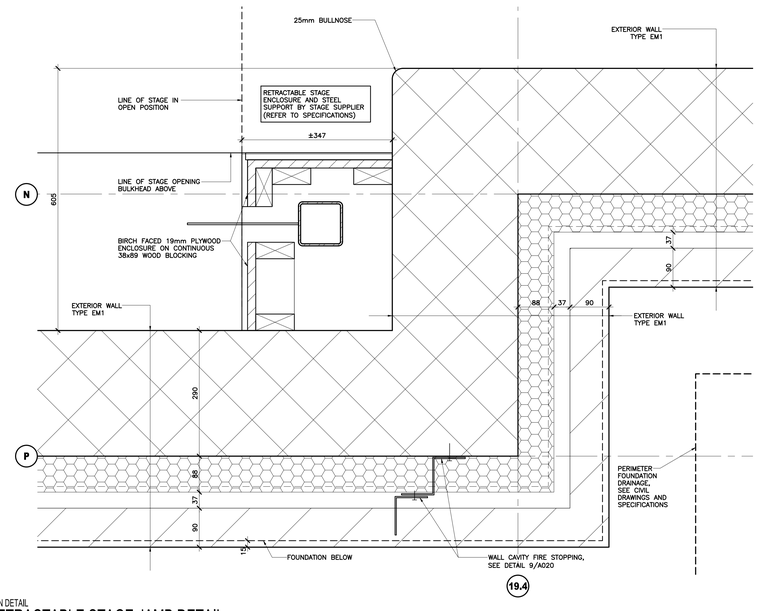
1 / A506 INTERIOR ELEVATION
GYM NORTH ELEVATION
1:50



2 / A506 INTERIOR ELEVATION
GYM EAST ELEVATION
1:50



3 / A506 INTERIOR ELEVATION
GYM SOUTH ELEVATION
1:50



5 / A506 PLAN DETAIL
RETRACTABLE STAGE JAMB DETAIL
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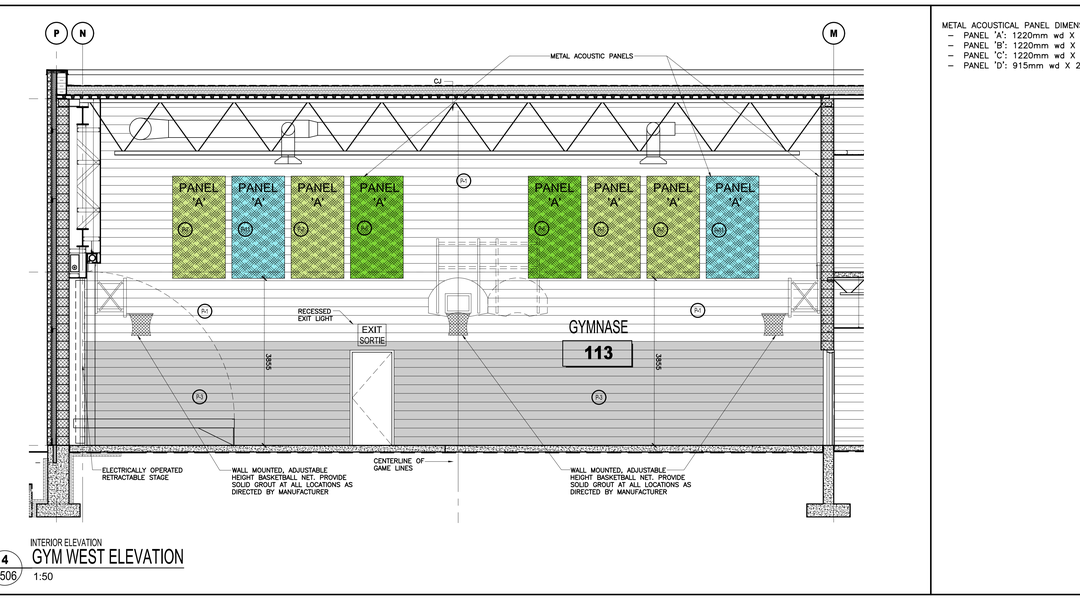
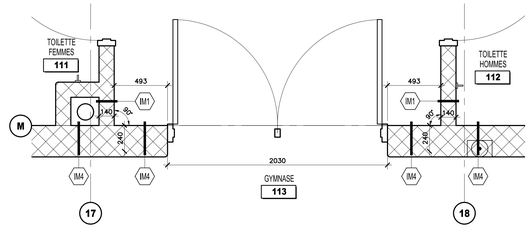
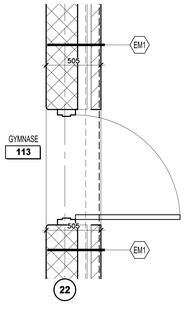


4 / A506 INTERIOR ELEVATION
GYM WEST ELEVATION
1:50

METAL ACOUSTICAL PANEL DIMENSIONS:
- PANEL 'A': 1220mm wd X 2360mm hg
- PANEL 'B': 1220mm wd X 1960mm hg
- PANEL 'C': 1220mm wd X 1220mm hg
- PANEL 'D': 915mm wd X 2360mm hg



6 / A506 PLAN DETAIL
GYM INTERIOR DOOR DETAIL
1:20



7 / A506 PLAN DETAIL
GYM EXTERIOR DOOR DETAIL
1:20

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
1	0	2026/04/24	ISSUED FOR TENDER

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Tel: (613) 236-1964 Telephone (613) 236-7125 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GYMNASIUM ELEVATIONS AND DETAILS

SCALE / ÉCHELLE	AS SHOWN	PROJ. No	ISSUE No.	REV. No.
DRAWN BY / DESSINÉ PAR	S.R.	2527	1	0
CHECKED BY / VERIFIÉ PAR	J.J.	DRAWING/DESSIN	A506	
DATE	APRIL 2026	ACAD FILE/FICHIER: 2527-A506.DWG		

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Plot By: SADIA ABDUL
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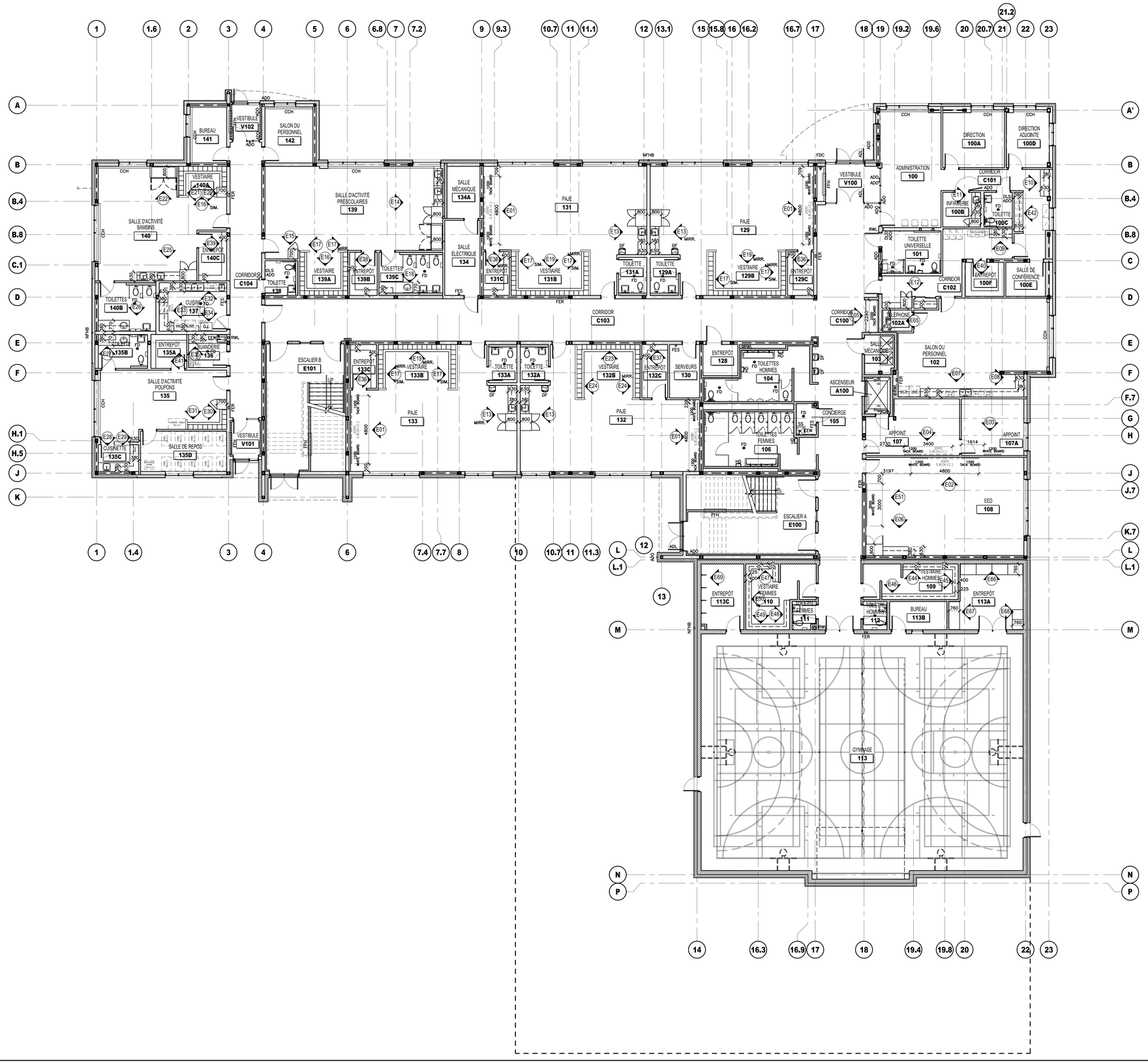

1 GROUND FLOOR MILLWORK PLAN
A801 1:100

Écoles catholiques Centre-Est

ISSUE NO.	REV NO.	DATE YYYY/MM/DD	ISSUE
2	0	2026/04/24	ISSUED FOR TENDER
1	0	2026/03/27	ISSUED FOR BUILDING PERMIT

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax (613) 236-1944 Telphone (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GROUND FLOOR MILLWORK PLAN

SCALE ÉCHELLE	1:100	PROJ. No	ISSUE No.	REV. No.
		2527	2	0
DRAWN BY DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY VÉRIFIÉ PAR	J.J.	A801		
DATE	MARCH 2026	ACAD FILE/FICHIER: 2527-A801.DWG		

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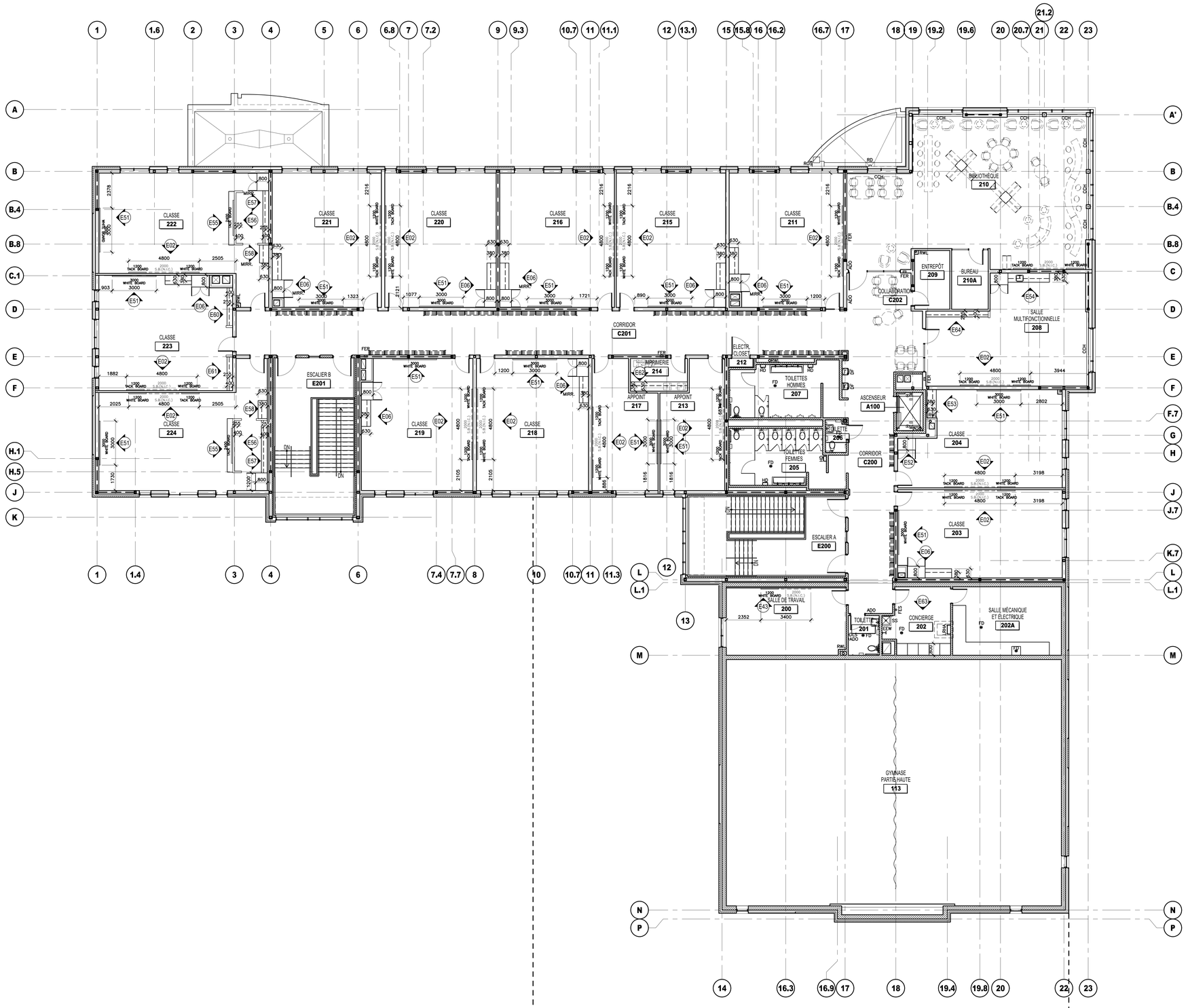

1 / A802 SECOND FLOOR MILLWORK PLAN
1:100

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
2	0	2026/04/24	ISSUED FOR TENDER
1	0	2026/03/27	ISSUED FOR BUILDING PERMIT

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3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

CECCE
4000 LABELLE STREET
OTTAWA, ON, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECOND FLOOR MILLWORK PLAN

SCALE / ÉCHELLE	1:100	PROJ. No	ISSUE No.	REV. No
		2527	2	0
DRAWN BY / DESSINÉ PAR	S.R.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	J.J.	A802		
DATE	MARCH 2026	ACAD FILE/FICHIER: 2527-A802.DWG		

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GENERAL NOTES AND DETAILS

D01) GENERAL

D01-1 GENERAL INFORMATION

1. THE INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN DESIGNED AND ANALYZED IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE & 2020 NATIONAL BUILDING CODE OF CANADA. CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH THIS AND ALL OTHER APPLICABLE CODES.
   - ■1.1 CONCRETE STRUCTURE DESIGNED IN ACCORDANCE WITH CSA A23.3-19
   - ■1.2 STEEL STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA-S16-19
   - ■1.3 WOOD STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA-086-19
   - ■1.4 MASONRY STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA S304-19
2. ALL WORK MUST COMPLY WITH THE PROVISIONS OF THE 2024 ONTARIO BUILDING CODE, OCCUPATIONAL HEALTH & SAFETY ACT, MUNICIPAL BYLAWS AND BEST CODE PRACTICES. THE CONTRACTOR MUST CONSIDER THAT CONSTRUCTION WORK IS DEPENDENT ON SITE CONDITIONS.
3. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS INDICATED OTHERWISE.
4. GUARDRAILS / HANDRAILS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN THE 2024 ONTARIO BUILDING CODE / 2020 NATIONAL BUILDING CODE. STAMPED SHOP DRAWINGS TO BE SUBMITTED.
5. THE ROOF HAS BEEN DESIGNED FOR THE REQUIRED STORM WATER FLOW RESTRICTION IN ACCORDANCE WITH 2024 ONTARIO BUILDING CODE REQUIREMENTS.
6. CONTRACTOR IS TO VERIFY / COORDINATE ALL DIMENSIONS / PENETRATIONS WITH ARCHITECTURAL / MECHANICAL / ELECTRICAL DRAWINGS PRIOR TO CONSTRUCTION. REPORT INCONSISTENCIES BEFORE PROCEEDING WITH WORK. ANY OPENINGS NOT INDICATED ON STRUCTURAL DRAWINGS ARE TO BE APPROVED BY STRUCTURAL ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
7. CAD / REVIT VERSIONS OF THE STRUCTURAL DRAWINGS SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON THE COMPLETION OF A RELEASE FORM INDEMNIFYING THE CONSULTANT FROM ANY ERRORS OR OMISSIONS ASSOCIATED WITH THE CAD / REVIT FILES.
8. LADDERS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN PART 4 AND PART 3 OF THE 2024 ONTARIO BUILDING CODE / 2020 NATIONAL BUILDING CODE. STAMPED SHOP DRAWINGS TO BE SUBMITTED.
9. STEEL STAIRS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN PART 4 AND PART 3 OF THE 2024 ONTARIO BUILDING CODE / 2020 NATIONAL BUILDING CODE. STAMPED SHOP DRAWINGS TO BE SUBMITTED.
10. DEMOLITION DETAILS THAT AFFECT THE STRUCTURAL ELEMENTS HAVE BEEN REVIEWED IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE. WHERE REQUIRED, SUPPLEMENTARY / TEMPORARY / REMEDIAL FRAMING HAS BEEN PROVIDED.
11. SEISMIC RESTRAINT OF ARCH / MECH / ELECT ELEMENTS NOT NOTED ON THE DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER. RESTRAINT DETAILS ARE TO BE DEVELOPED IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE. CONTRACTOR'S ENGINEER IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF SEISMIC RESTRAINTS AND ISOLATIONS AS REQUIRED BY SPECIFICATIONS INCLUDING THE VERIFICATION THAT THE EXISTING / NEW STRUCTURE IS CAPABLE OF SAFELY SUPPORTING THE IMPOSED LOADS IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE. NO ELEMENTS MAY BE CONSTRUCTED WITHOUT WRITTEN CONFIRMATION OF THESE CONDITIONS BY CONTRACTOR'S ENGINEER.
12. NO FOUNDATION ELEMENTS ARE TO BE CONSTRUCTED UNTIL WRITTEN APPROVAL OF THE BEARING SURFACES AND PRESSURES IS PROVIDED BY A GEOTECHNICAL ENGINEER THROUGH ON-SITE INVESTIGATION. FAILURE TO COMPLETE THIS WORK COULD RESULT IN THE REMOVAL / REINSTATEMENT OF ANY / ALL FOUNDATION ELEMENTS AT CONTRACTOR'S OWN COST.
13. NEW OPENINGS IN EXISTING / ERECTED CONCRETE / MASONRY ELEMENTS:
   - REFER TO MECH / ARCH / ELECT DRAWINGS FOR LAYOUTS.
   - SCAN T&B / E.S. OF SLAB/WALL PRIOR TO REMOVALS. MARK OUT OPENING POSITION/ALL REBAR/CONDUIT ON T&B OF SLAB / E.S. OF WALL MIN. OF 4 WEEKS PRIOR TO REINFORCING SHOP DRAWING SUBMISSION / CUTTING / CORING.
   - CONTACT ENGINEER FOR REVIEW OF SCANS/MARKS PRIOR TO COMMENCEMENT OF ANY DEMOLITION.
   - NO WORK TO COMMENCE UNTIL RECEIVING WRITTEN APPROVAL FROM ENGINEER.
   - SAWCUT/CORE OUT OPENINGS AS REQUIRED.
   - DO NOT OVERCUT.
   - ANY REQUIRED SUPPLEMENTAL STRENGTHENING/REINFORCING IS TO BE ERECTED PRIOR TO REMOVALS.
14. CONTRACTOR TO PROVIDE PRE-ENGINEERED SHORING AS REQUIRED TO ACCOMMODATE THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AND TO PREVENT DAMAGE TO ANY ADJACENT PROPERTY. ALL CONSTRUCTION ACTIVITIES TO BE LIMITED TO THE LIMITS OF THE CONSTRUCTION SITE AND ALL DAMAGE TO EXISTING PROPERTIES MUST BE REINSTATED.
15. CONTRACTOR IS REQUIRED TO SUBMIT CONDUIT AND SLEEVING SHOP DRAWINGS FOR ALL FLOORS / ROOFS / WALLS / COLUMNS PRIOR TO THE ERECTION / CONSTRUCTION / FABRICATION OF ANY OF THESE ELEMENTS. THE DRAWINGS ARE TO LOCATE / DIMENSION THE CLEAR SIZES OF OPENINGS / SLEEVES / CONDUITS IN PLAN (FLOORS / ROOFS / COLUMNS) AND ELEVATION (WALLS / BEAMS). THE COORDINATION OF THE VARIOUS DISCIPLINES / SUBTRADES TO ENSURE ALL ITEMS ARE CLEARLY INDICATED IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DRAWINGS ARE TO BE SUBMITTED A MINIMUM OF 4 WEEKS PRIOR TO THE CONSTRUCTION OF THE AFFECTED ELEMENT.
16. DO NOT SCALE DIMENSIONS DIRECTLY FROM THESE DRAWINGS OR ELECTRONIC FILES.
17. SPECIFIC NOTES AND DETAILS FOUND ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
18. DO NOT LOAD HEAVY MATERIALS SUCH AS MASONRY, FILL, GRAVEL, DRYWALL, ETC. ON FLOORS, TERRACES OR ROOFS WITHOUT ADEQUATE ADDITIONAL SUPPORTS. SUBMIT DETAILS TO ENGINEER FOR REVIEW.

D01-2 DESIGN LOADS:

IMPORTANCE FACTORS:

SNOW: I_S: ULS= 1.15 SLS= 0.9
WIND: I_W: ULS= 1.15 SLS= 0.75
SEISMIC: I_E: ULS= 1.30

SNOW LOAD FACTORS:

S = Is [Ss(Cb*Cw*Cs*Ca) + Sr]
Ss = 2.4 kPa
Sr = 0.4 kPa
Cb = 0.8
Cw = 1.0
Cs = 1.0

SECOND FLOOR:

DEAD:	FLOORING	0.10 kPa
	PARTITIONS:	1.00 kPa
	89mm CONC. ON 38mm STEEL DECK	2.45 kPa
	STRUCTURAL STEEL:	0.30 kPa
	CEILING:	0.30 kPa
	FIREPROOFING:	0.10 kPa
	MECH./ELEC.:	0.30 kPa
	TOTAL:	4.55 kPa
LIVE:	CLASSROOM, WASHROOM:	2.40 kPa
	STAIRS, CORRIDORS, STORAGE, MECH:	4.80 kPa
	LIBRARY	7.20 kPa

ROOF:

DEAD:	ROOFING:	0.60 kPa
	STEEL DECK:	0.10 kPa
	STRUCTURAL STEEL:	0.25 kPa
	CEILING:	0.25 kPa
	MECH./ELEC.:	0.25 kPa
TOTAL:		1.45 kPa
LIVE:	SNOW: (VALUE + DRIFT U/N)	2.67 kPa (ULS)

D01-3 SEISMIC SYSTEM/LOADING DATA: (CLASSROOM BUILDING)

- SEISMIC FORCE RESISTING SYSTEM (SFRS)

SFRS: SYSTEM & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.9/4.1.8.10)
LATERAL LOAD RESISTING SYSTEM: STEEL STRUCTURE, LIMITED DUCTILITY CONCENTRICALLY BRACED FRAME (TENSION-COMPRESSION BRACES)
Rd = 2.0
Ro = 1.3
CSA STANDARD: CAN/CSA S16:19
APPLICABLE CLAUSE(S): 27.6
SFRS: DIAPHRAGMS & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.15)

SFRS: SYSTEM FOUNDATIONS: (OBC 2024 CLAUSE 4.1.8.16)
CSA STANDARD: CAN/CSA
APPLICABLE CLAUSE(S): ☐FOR ANCHORED FOOTINGS ■FOR UNANCHORED FOOTINGS
CONFIRMATION: FOUNDATIONS HAVE BEEN DESIGNED TO RESIST THE LATERAL FORCES APPLIED TO THE SFRS IN ACCORDANCE WITH THE OBC 2024 INCLUDING ALL APPLICABLE AMPLIFICATION FACTORS AS APPLICABLE.

APPLICABLE CSA A23.3 CLAUSE:

☐ 21.10.2 FOUNDATIONS RESTRAINED AGAINST ROTATION
☐ 21.10.3.2.2 MAXIMUM REQUIRED OVERTURNING RESISTANCE
■ 21.10.3.2.3 CAPACITY PROTECTED
☐ 21.10.3.2.4 (NCP) FOUNDATIONS

- SEISMIC IMPORTANCE FACTOR: (OBC 2024 CLAUSE 4.1.8.5)

I_E= 1.3

- REFERENCE CITY: **OTTAWA** [Address: 3290 Findlay Creek Drive, Gloucester, Ontario K1T 0T2, Canada]

- SITE CLASS: THE NOTED SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE AND SHEAR WAVE PARAMETERS INDICATED ARE AS REPORTED IN THE GEOTECHNICAL REPORT REFERENCED IN D31.1

☐A ☐B ■C ☐D ☐E ☐F

Vs30 (XC): N/A m/s

SITE SUBJECT TO LIQUEFACTION: ☐ YES ■ NO

EARTHQUAKE LOADS ON BASEMENT WALLS: ■ N/A

- PGA(Xc): 0.376 g PGV(Xc): 0.281 m/s

- 2%/50 YEARS DAMPED SPECTRAL RESPONSE ACCELERATION VALUES FOR Sa(T,Xc): (NATIONAL BUILDING CODE 2020)

Sa(0.2,Xc) = 0.696 Sa(4.0, Xc) = 0.0361
Sa(0.5,Xc) = 0.411 Sa(5.0, Xc) = 0.0261
Sa(1.0,Xc) = 0.217 Sa(10.0,Xc) = 0.00854
Sa(2.0,Xc) = 0.0991

10%/50 YEARS DAMPED SPECTRAL RESPONSE ACCELERATION VALUES FOR Sa(T,Xc): (NATIONAL BUILDING CODE 2020)

Sa(0.2,Xc) = 0.253 Sa(5.0, Xc) = 0.00765
Sa(0.5,Xc) = 0.148 Sa(10.0, Xc) = 0.00255
Sa(1.0,Xc) = 0.0734 PGA(Xc) = 0.137g
Sa(2.0,Xc) = 0.0319 PGV(Xc) = 0.0915 m/s

- SEISMIC CATEGORIES (OBC 2024 CLAUSE 4.1.8.5(2))

I_E = 1.30
S(0.2) = 0.696
S(1.0) = 0.217
I_E S(0.2) = 0.9048
I_E S(1.0) = 0.2821

SEISMIC CATEGORY	I_E S(0.2)	I_E S(1.0)	THEREFORE SC
SC1	☐ < 0.2	☐ < 0.1	☐
SC2	0.2 ≤ ☐ < 0.35	0.1 ≤ ☐ < 0.2	☐
SC3	0.35 ≤ ☐ ≤ 0.75	0.2 ≤ ■ ≤ 0.3	☐
SC4	■ > 0.75	☐ > 0.3	■

- ADDITIONAL PERFORMANCE REQUIREMENTS (OBC 2024 CLAUSE 4.1.8.23)

☐ POST-DISASTER (4.1.8.23(2))
■ HIGH IMPORTANCE (4.1.8.23(3))
☐ NORMAL IMPORTANCE (4.1.8.23(4))
☐ N/A

SYSTEM RESTRICTION VALUE: SEISMIC CATEGORY (SC1 OR SC2) OTHER THAN POST-DISASTER, SEISMICALLY ISOLATED BUILDING, OR BUILDINGS WITH SUPPLEMENTAL ENERGY DISSIPATION SYSTEMS ☐ YES ■ NO

- PERIOD DATA:

BUILDING HEIGHT (hn): 9.90m

EMPIRICAL PERIOD: (OBC 2024) CLAUSE 4.1.8.11(3)) (a),(b) or (c) & 4.1.8.11(4)

$Ta_{(EMPIRICAL)NS}$ = 0.2475 sec; 2 x 0.2475 sec = 0.495 sec
$Ta_{(EMPIRICAL)EW}$ = 0.2475 sec; 2 x 0.2475 sec = 0.495 sec

MODAL PERIOD: (OBC 2024 CLAUSE 4.1.8.11(3)(d) AND 4.1.8.3(8))

$Ta_{(MODAL)NS}$ = 0.408 sec
$Ta_{(MODAL)EW}$ = 0.282 sec

DESIGN PERIODS/MODE & MOMENT FACTORS: (2024 OBC TABLE (4.1.8.11)

$\frac{S(0.2)}{S(5.0)}$ = 26.67 ≥ 8.0 ■YES ☐NO

$Ta(design)_{NS}$ = 0.408 sec Mv = 1.0 J =0.967
$Ta(design)_{EW}$ = 0.282 sec Mv = 1.0 J =0.967

- DESIGN FUNDAMENTAL PERIOD BASED DSRAV: (OBC 2024 CLAUSE 4.1.8.11(2))

$S(Ta = 0.408\ sec)_{NS}$ = 0.462
$S(Ta = 0.282\ sec)_{EW}$ = 0.571

INTERPOLATION:

■ LOG-LOG
☐ LINEAR

- IRREGULARITY REVIEW: (OBC 2024 TABLE 4.1.8.6)

1. VERTICAL STIFFNESS:	☐YES	■NO
2. WEIGHT:	■YES	☐NO
3. VERTICAL GEOMETRIC:	☐YES	■NO
4. IN PLANE DISCONTINUITY:	☐YES	■NO
5. OUT OF PLANE:	☐YES	■NO
6. WEAK STOREY:	☐YES	■NO
7. TORSIONAL: B_{NS}= 1.69 B_{EW}= 1.46	☐YES	■NO
8. NON-ORTHOGONAL:	☐YES	■NO
9. GRAVITY INDUCED LATERAL DEMAND IRREGULARITY	☐YES	■NO
10. SLOPED COLUMN IRREGULARITY	☐YES	■NO

CONCLUSION: BUILDING IS ☐REGULAR ■IRREGULAR
DYNAMIC ANALYSIS: ☐REQUIRED ■NOT REQUIRED
DYNAMIC PROCEDURE METHOD: ■MODAL RESPONSE SPECTRUM ☐NUMERICAL INTEGRATION TIME HISTORY ☐N/A

- TORSIONAL ECCENTRICITY: ■± 0.10 Dnx (4.1.8.11(10a), B < 1.7 EQUIV. STATIC FORCE PROCEDURE) ☐± 0.10 Dnx (4.1.8.12(4a), B ≥ 1.7) ☐± 0.05 Dnx (4.1.8.12(4b), B < 1.7, 3-D DYNAMIC ANALYSIS)

- STRUCTURAL SEPARATION: ■THE ADJACENT STRUCTURES HAVE BEEN SEPARATED IN ACCORDANCE WITH 4.1.8.14(1) OF THE OBC 2024) ☐N/A

- BUILDING WEIGHT FOR SEISMIC DESIGN: W = 18,105 kN

- BASE SHEAR/MOMENTS:

NORTH-SOUTH: (↕)

$V_{STATIC} = \frac{S(Ta)M_V \cdot I_E}{Rd \cdot Ro}$ = W x 0.231 = 4,183 kN

EAST-WEST: (⟷)

$V_{STATIC} = \frac{S(Ta)M_V \cdot I_E}{Rd \cdot Ro}$ = W x 0.286 = 5,179 kN

- STATIC MAXIMUM/MINIMUM VALUES:

NORTH-SOUTH: (↕)

$V_{MIN.} = \frac{S(2.0) \cdot M_V \cdot I_E \cdot W}{Rd \cdot Ro}$ = W * 0.04955 = 898 kN

$V_{MAX.} = \begin{cases} \frac{0.66 \cdot S(0.2) I_E \cdot W}{Rd \cdot Ro} = W * 0.232 = 4201\ kN \\ \frac{S(0.5) I_E \cdot W}{Rd \cdot Ro} = W * 0.206 = 3730\ kN \end{cases}$

- EAST-WEST: (⟷)

$V_{MIN.} = \frac{S(2.0) \cdot M_V \cdot I_E \cdot W}{Rd \cdot Ro}$ = W * 0.04955 = 898 kN

$V_{MAX.} = \begin{cases} \frac{0.66 \cdot S(0.2) I_E \cdot W}{Rd \cdot Ro} = W * 0.232 = 4201\ kN \\ \frac{S(0.5) I_E \cdot W}{Rd \cdot Ro} = W * 0.206 = 3730\ kN \end{cases}$

SEISMIC LOADS		
EQUIVALENT STATIC (ES) FORCE PROCEDURE OBC 2024 CLAUSE 4.1.8.11	DYNAMIC ANALYSIS (DYI) (1)(3) PROCEDURE (INITIAL SCALING FACTOR) OBC 2024 CLAUSE 4.1.8.12	DESIGN (D) LOADS (2)
NORTH-SOUTH: (↕)	NORTH-SOUTH: (↕)	NORTH-SOUTH: (↕)
V_{ESNS} = 4,183 kN M_{ESNS} = 14,417 kN•m	V_{DYINS} = 2,651 kN M_{DYINS} = 17,555 kN•m M_{PMR} = 98%	V_{DNS} = 4,201 kN M_{DNS} = 27,737 kN•m NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.8 (c) ☐ YES ■ N/A
EAST-WEST: (⟷)	EAST-WEST: (⟷)	EAST-WEST: (⟷)
V_{ESEW} = 4,201 kN M_{ESEW} = 14,454 kN•m	V_{DYINS} = 2,888 kN M_{DYINS} = 19,254 kN•m M_{PMR} = 98%	V_{DNS} = 4,201 kN M_{DNS} = 28,111 kN•m NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.8 (c) ☐ YES ■ N/A

NOTES:

(1) INITIAL DYNAMIC LOAD SCALING FACTOR

$S.F. = g \cdot \frac{Ie}{RdRo} \times max\left[\frac{(2/3) \cdot S(0.2)}{S(Ta)} ; \frac{S(0.5)}{S(Ta)}\right]$ = NORTH-SOUTH: (↕) = 0.500 g; EAST -WEST: (⟷) = 0.442 g

DYNAMIC ANALYSIS PROCEDURE LOADS ARE BASED ON THE EVALUATION OF THE BUILDING WITH THE INITIAL SCALING FACTOR APPLIED. WHEN USED THESE ARE COMPARED TO THE STATIC FORCE VALUE IN ACCORDANCE WITH 4.1.8.12(6)-(7) TO DETERMINE DESIGN LOAD VALUES.

(2) DESIGN LOAD SHEAR VALUES ARE BASED ON THE EVALUATION OF V_{ES} AND V_{DYI} IN ACCORDANCE WITH 4.1.8.12(5), (6), (7), (8), (9) OF THE 2024 OBC. LOADS INDICATED SHOW THE DESIGN BASE SHEAR AND CORRESPONDING OVERTURNING MOMENT.

(3) N/A = NOT USED IN THE DESIGN OF THE BUILDING.

D01-3A SEISMIC SYSTEM/LOADING DATA: (GYMNASIUM)

- SEISMIC FORCE RESISTING SYSTEM (SFRS)

SFRS: SYSTEM & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.9/4.1.8.10)
LATERAL LOAD RESISTING SYSTEM: MASONRY STRUCTURE, MODERATELY DUCTILE SHEAR WALL
Rd = 2.0
Ro = 1.5
CSA STANDARD: CAN/CSA S301-19
APPLICABLE CLAUSE(S):

SFRS: DIAPHRAGMS & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.15)
CSA STANDARD: CAN/CSA A23.3-14
APPLICABLE CLAUSE(S): 21

SFRS: SYSTEM FOUNDATIONS: (OBC 2024 CLAUSE 4.1.8.16)
CSA STANDARD: CAN/CSA
APPLICABLE CLAUSE(S): ☐FOR ANCHORED FOOTINGS ■FOR UNANCHORED FOOTINGS
CONFIRMATION: FOUNDATIONS HAVE BEEN DESIGNED TO RESIST THE LATERAL FORCES APPLIED TO THE SFRS IN ACCORDANCE WITH THE OBC 2024 INCLUDING ALL APPLICABLE AMPLIFICATION FACTORS AS APPLICABLE.

APPLICABLE CSA A23.3 CLAUSE:

☐ 21.10.2 FOUNDATIONS RESTRAINED AGAINST ROTATION
☐ 21.10.3.2.2 MAXIMUM REQUIRED OVERTURNING RESISTANCE
■ 21.10.3.2.3 CAPACITY PROTECTED
☐ 21.10.3.2.4 (NCP) FOUNDATIONS

- SEISMIC IMPORTANCE FACTOR: (OBC 2024 CLAUSE 4.1.8.5)

I_E= 1.3

- REFERENCE CITY: **OTTAWA** [Address: 3290 Findlay Creek Drive, Gloucester, Ontario K1T 0T2, Canada]

- SITE CLASS: THE NOTED SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE AND SHEAR WAVE PARAMETERS INDICATED ARE AS REPORTED IN THE GEOTECHNICAL REPORT REFERENCED IN D31.1

☐A ☐B ■C ☐D ☐E ☐F

Vs30 (Xc): N/A m/s

SITE SUBJECT TO LIQUEFACTION: ☐ YES ■ NO

EARTHQUAKE LOADS ON BASEMENT WALLS: ■ N/A

- PGA(Xc): 0.376 g PGV(Xc): 0.281 m/s

- 2%/50 YEARS DAMPED SPECTRAL RESPONSE ACCELERATION VALUES FOR Sa(T,Xc): (NATIONAL BUILDING CODE 2020)

Sa(0.2,Xc) = 0.696 Sa(4.0, Xc) = 0.0361
Sa(0.5,Xc) = 0.411 Sa(5.0, Xc) = 0.0261
Sa(1.0,Xc) = 0.217 Sa(10.0,Xc) = 0.00854
Sa(2.0,Xc) = 0.0991

10%/50 YEARS DAMPED SPECTRAL RESPONSE ACCELERATION VALUES FOR Sa(T,Xc): (NATIONAL BUILDING CODE 2020)

Sa(0.2,Xc) = 0.253 Sa(5.0, Xc) = 0.00765
Sa(0.5,Xc) = 0.148 Sa(10.0, Xc) = 0.00255
Sa(1.0,Xc) = 0.0734 PGA(Xc) = 0.137g
Sa(2.0,Xc) = 0.0319 PGV(Xc) = 0.0915 m/s

- SEISMIC CATEGORIES (OBC 2024 CLAUSE 4.1.8.5(2))

I_E = 1.30
S(0.2) = 0.696
S(1.0) = 0.217
I_E S(0.2) = 0.9048
I_E S(1.0) = 0.2821

SEISMIC CATEGORY	I_E S(0.2)	I_E S(1.0)	THEREFORE SC
SC1	☐ < 0.2	☐ < 0.1	☐
SC2	0.2 ≤ ☐ < 0.35	0.1 ≤ ☐ < 0.2	☐
SC3	0.35 ≤ ☐ ≤ 0.75	0.2 ≤ ■ ≤ 0.3	☐
SC4	■ > 0.75	☐ > 0.3	■

- ADDITIONAL PERFORMANCE REQUIREMENTS (OBC 2024 CLAUSE 4.1.8.23)

☐ POST-DISASTER (4.1.8.23(2))
■ HIGH IMPORTANCE (4.1.8.23(3))
☐ NORMAL IMPORTANCE (4.1.8.23(4))
☐ N/A

SYSTEM RESTRICTION VALUE: SEISMIC CATEGORY (SC1 OR SC2) OTHER THAN POST-DISASTER, SEISMICALLY ISOLATED BUILDING, OR BUILDINGS WITH SUPPLEMENTAL ENERGY DISSIPATION SYSTEMS ☐ YES ■ NO

- PERIOD DATA:

BUILDING HEIGHT (hn): 8.0 m

EMPIRICAL PERIOD: (OBC 2024) CLAUSE 4.1.8.11(3)) (a),(b) or (c) & 4.1.8.11(4)

$Ta_{(EMPIRICAL)NS}$ = 0.238 sec
$Ta_{(EMPIRICAL)EW}$ = 0.238 sec

MODAL PERIOD: (OBC 2024 CLAUSE 4.1.8.11(3)(d) AND 4.1.8.3(8))

$Ta_{(MODAL)NS}$ = N/A sec
$Ta_{(MODAL)EW}$ = N/A sec

DESIGN PERIODS/MODE & MOMENT FACTORS: (2024 OBC TABLE (4.1.8.11)

$\frac{S(0.2)}{S(5.0)}$ = 26.67 ≥ 8.0 ■ YES ☐ NO

$Ta(design)_{NS}$ = 0.238 sec Mv = 1.0 J =0.933
$Ta(design)_{EW}$ = 0.238 sec Mv = 1.0 J =0.933

- DESIGN FUNDAMENTAL PERIOD BASED DSRAV: (OBC 2024 CLAUSE 4.1.8.11(2))

$S(Ta = 0.238\ sec)_{NS}$ = 0.629
$S(Ta = 0.238\ sec)_{EW}$ = 0.629

INTERPOLATION:

■ LOG-LOG
☐ LINEAR

- IRREGULARITY REVIEW: (OBC 2024 TABLE 4.1.8.6)

1. VERTICAL STIFFNESS:	☐YES	■NO
2. WEIGHT:	☐YES	■NO
3. VERTICAL GEOMETRIC:	☐YES	■NO
4. IN PLANE DISCONTINUITY:	☐YES	■NO
5. OUT OF PLANE:	☐YES	■NO
6. WEAK STOREY:	☐YES	■NO
7. TORSIONAL: B_{NS}= 1.7 B_{EW}= 1.4	☐YES	■NO
8. NON-ORTHOGONAL:	☐YES	■NO
9. GRAVITY INDUCED LATERAL DEMAND IRREGULARITY	☐YES	■NO
10. SLOPED COLUMN IRREGULARITY	☐YES	■NO

CONCLUSION: BUILDING IS ■REGULAR ☐IRREGULAR
DYNAMIC ANALYSIS: ☐REQUIRED ■NOT REQUIRED
DYNAMIC PROCEDURE METHOD: ☐MODAL RESPONSE SPECTRUM ☐NUMERICAL INTEGRATION TIME HISTORY ■N/A

- TORSIONAL ECCENTRICITY: ■± 0.10 Dnx (4.1.8.11(10a), B < 1.7 EQUIV. STATIC FORCE PROCEDURE) ☐± 0.10 Dnx (4.1.8.12(4a), B ≥ 1.7) ☐± 0.05 Dnx (4.1.8.12(4b), B < 1.7, 3-D DYNAMIC ANALYSIS)

- STRUCTURAL SEPARATION: ■THE ADJACENT STRUCTURES HAVE BEEN SEPARATED IN ACCORDANCE WITH 4.1.8.14(1) OF THE OBC 2024) ☐N/A

- BUILDING WEIGHT FOR SEISMIC DESIGN: W = 1,325 kN

- BASE SHEAR/MOMENTS:

NORTH-SOUTH: (↕)

$V_{STATIC} = \frac{S(Ta)M_V \cdot I_E}{Rd \cdot Ro}$ = W * 0.273 = 362 kN

EAST-WEST: (⟷)

$V_{STATIC} = \frac{S(Ta)M_V \cdot I_E}{Rd \cdot Ro}$ = W * 0.273 = 362 kN

- STATIC MAXIMUM/MINIMUM VALUES:

NORTH-SOUTH: (↕)

$V_{MIN.} = \frac{S(4.0) \cdot M_V \cdot I_E \cdot W}{Rd \cdot Ro}$ = W * 0.0156 = 21 kN

$V_{MAX.} = \begin{cases} \frac{0.66 \cdot S(0.2) I_E \cdot W}{Rd \cdot Ro} = W * 0.201 = 267\ kN \\ \frac{S(0.5) I_E \cdot W}{Rd \cdot Ro} = W * 0.1781 = 236\ kN \end{cases}$

- EAST-WEST: (⟷)

$V_{MIN.} = \frac{S(4.0) \cdot M_V \cdot I_E \cdot W}{Rd \cdot Ro}$ = W * 0.0156 = 21 kN

$V_{MAX.} = \begin{cases} \frac{0.66 \cdot S(0.2) I_E \cdot W}{Rd \cdot Ro} = W * 0.201 = 267\ kN \\ \frac{S(0.5) I_E \cdot W}{Rd \cdot Ro} = W * 0.1781 = 236\ kN \end{cases}$

SEISMIC LOADS		
EQUIVALENT STATIC (ES) FORCE PROCEDURE OBC 2024 CLAUSE 4.1.8.11	DYNAMIC ANALYSIS (DYI) (1)(3) PROCEDURE (INITIAL SCALING FACTOR) OBC 2024 CLAUSE 4.1.8.12	DESIGN (D) LOADS (2)
NORTH-SOUTH: (↕)	NORTH-SOUTH: (↕)	NORTH-SOUTH: (↕)
V_{ESNS} = 267 kN M_{ESNS} = 2,136 kN•m	V_{DYINS} = N/A M_{DYINS} = N/A M_{PMR} = N/A	V_{DNS} = N/A M_{DNS} = N/A NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.8 (c) ☐ YES ☐ N/A
EAST-WEST: (⟷)	EAST-WEST: (⟷)	EAST-WEST: (⟷)
V_{ESEW} = 267 kN M_{ESEW} = 2,136 kN•m	V_{DYINS} = N/A M_{DYINS} = N/A M_{PMR} = N/A	V_{DNS} = N/A M_{DNS} = N/A NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.8 (c) ☐ YES ☐ N/A

NOTES:

(1) INITIAL DYNAMIC LOAD SCALING FACTOR

S.F. = N/A

DYNAMIC ANALYSIS PROCEDURE LOADS ARE BASED ON THE EVALUATION OF THE BUILDING WITH THE INITIAL SCALING FACTOR APPLIED. WHEN USED THESE ARE COMPARED TO THE STATIC FORCE VALUE IN ACCORDANCE WITH 4.1.8.12(6)-(7) TO DETERMINE DESIGN LOAD VALUES.

(2) DESIGN LOAD SHEAR VALUES ARE BASED ON THE EVALUATION OF V_{ES} AND V_{DYI} IN ACCORDANCE WITH 4.1.8.12(5), (6) AND (7) OF THE 2024 OBC. LOADS INDICATED SHOW THE DESIGN BASE SHEAR AND CORRESPONDING OVERTURNING MOMENT.

(3) N/A = NOT USED IN THE DESIGN OF THE BUILDING.

D01-3.1 WIND LOADING: (CLASSROOM BUILDING)

- WIND

h = 9.90 m (HEIGHT OF BUILDING)
W = 31.85 m (MIN EFFECTIVE WIDTH IN ALL DIRECTIONS) $W = \frac{\sum hiWi}{\sum hi}$

DYNAMIC SENSITIVITY CLASSIFICATION:
LOWEST NATURAL FREQUENCY: ■ BUILDING LESS THAN 6 STOREYS ■ FREQUENCY = 2.45 Hz

(1) NOT SENSITIVE — h/W < 6; ¼ Hz < fn < 1 Hz; h < 60; h/W < 4 — ■ STATIC PROCEDURE
(2) SENSITIVE — h/W < 6; ¼ Hz < fn < 1 Hz; h > 60; h/W > 4 — ☐ DYNAMIC PROCEDURE
(3) VERY SENSITIVE — h/W < 6 & HAMAN OCCUPANCY; fn ≤ ¼ Hz — ☐ WIND TUNNEL

$I_{W\ SLS}$ = 0.75
$I_{W\ ULS}$ = 1.15

q = 0.41 kPa
Ce = ■ OPEN = (MIN. = 0.9 ; MAX. = 0.998)
☐ ROUGH = N/A
CgCp = 0.75 / -0.55 (1.15 / -0.55 @ ENDS)
Ct = 1.0
Cpi = CATEGORY 2: Cpi = -0.45 TO +0.30
WIND TUNNEL REPORT = ☐ YES ■ NO
REPORT BY:
REPORT # :

EAST-WEST: (⟷)
Vbase = 286 kN (1.4 x 286 = 401 kN)
Mbase = 1,071 kN•m (1.4 x 1,071 = 1,500 kN•m)

NORTH-SOUTH: (↕)
Vbase = 538 kN (1.4 x 538 = 754 kN)
Mbase = 2,121 kN•m (1.4 x 2,121 = 2,970 kN•m)

D01-3.1 WIND LOADING: (GYMNASIUM)

- WIND

h = 8.0 m (HEIGHT OF BUILDING)
W = 23.0 m (MIN EFFECTIVE WIDTH IN ALL DIRECTIONS) $W = \frac{\sum hiWi}{\sum hi}$

DYNAMIC SENSITIVITY CLASSIFICATION:
LOWEST NATURAL FREQUENCY: ■ BUILDING LESS THAN 6 STOREYS ■ FREQUENCY = 4.20 Hz

(1) NOT SENSITIVE — h/W < 6; ¼ Hz < fn < 1 Hz; h < 60; h/W < 4 — ■ STATIC PROCEDURE
(2) SENSITIVE — h/W < 6; ¼ Hz < fn < 1 Hz; h > 60; h/W > 4 — ☐ DYNAMIC PROCEDURE
(3) VERY SENSITIVE — h/W < 6 & HAMAN OCCUPANCY; fn ≤ ¼ Hz — ☐ WIND TUNNEL

$I_{W\ SLS}$ = 0.75
$I_{W\ ULS}$ = 1.15

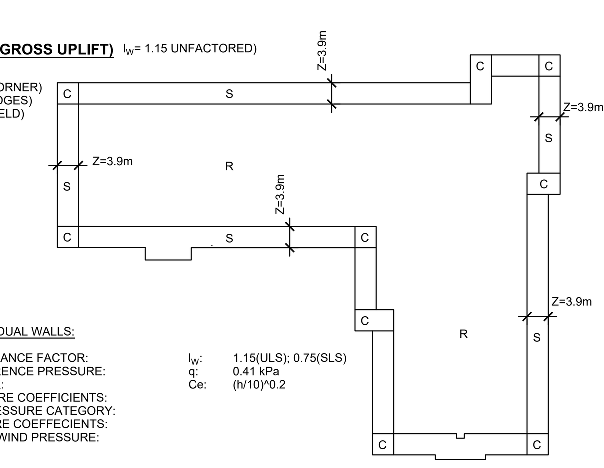
q = 0.41 kPa
Ce = ■ OPEN = (MIN. = 0.9; MAX. = 0.956)
☐ ROUGH = N/A
CgCp = 0.75 / -0.55 (1.15 / -0.55 @ ENDS)
Ct = 1.0
Cpi = CATEGORY 2: Cpi = -0.45 TO +0.30
WIND TUNNEL REPORT = ☐ YES ■ NO
REPORT BY:
REPORT # :

EAST-WEST: (⟷)
Vbase = 53 kN (1.4 x 53 = 75 kN)
Mbase = 594 kN•m (1.4 x 424 = 594 kN•m)

NORTH-SOUTH: (↕)
Vbase = 53 kN (1.4 x 53 = 75 kN)
Mbase = 594 kN•m (1.4 x 424 = 594 kN•m)

WIND UPLIFT: (GROSS UPLIFT) I_W= 1.15 UNFACTORED)

C: p = 1.220 kPa (CORNER)
S: p = 1.220 kPa (EDGES)
R: p = 0.982 kPa (FIELD)



WIND LOAD - INDIVIDUAL WALLS:

WIND LOAD IMPORTANCE FACTOR:	I_W:	1.15(ULS); 0.75(SLS)
1-IN-50 YEAR REFERENCE PRESSURE:	q:	0.41 kPa
EXPOSURE FACTOR:	Ce:	(h/10)^0.2
EXTERNAL PRESSURE COEFFICIENTS:		
INTERIOR WIND PRESSURE CATEGORY:		
INTERNAL PRESSURE COEFFECIENTS:		
RESULTING IN NET WIND PRESSURE:		

D01-5 DEFINITIONS:

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED IN THESE NOTES AND DRAWINGS:

@	AT (SPACING c/c)	mm	MILLIMETRES
ARCH.	ARCHITECTURAL	MAX.	MAXIMUM
B	BOTTOM	MECH.	MECHANICAL
BLL	BOTTOM LOWER LAYER	MIN.	MINIMUM
BUL	BOTTOM UPPER LAYER	N.F.	NEAR FACE
c/c	CENTRE TO CENTRE	N.T.S.	NOT TO SCALE
℄	CENTRE LINE	o.c.	ON CENTRE
CONT.	CONTINUOUS	O.F.	OUTSIDE FACE
CW	CORE WALL	P.C.O.	PILE CUT-OFF
EA.	EACH	℘	PLATE
E.E.	EACH END	SFD	STEP FOOTING DOWN
E.F.	EACH FACE	SMR	STANDARD GALVANIZED LADDER MASONRY REINFORCEMENTS
EL.	ELEVATION		
E.S.	EACH SIDE	SW	SHEAR WALL
E.W.	EACH WAY	T	TOP
F.F.	FAR FACE	TLL	TOP LOWER LAYER
HOR.	HORIZONTAL	TUL	TOP UPPER LAYER
HDMR	HEAVY DUTY GALVANIZED TRUSS TYPE MASONRY REINFORCEMENT	T.O.P.C.	TOP OF PILE CAP
		TYP.	TYPICAL
I.F.	INSIDE FACE	U/N	UNLESS OTHERWISE NOTED
LL	LOWER LAYER	UL	UPPER LAYER
m	METRES	U/S	UNDERSIDE
		VERT.	VERTICAL

D01-6 SHOP DRAWINGS

1. SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL WORK AND ANY WORK AFFECTING THE STRUCTURE TO THE CONSTRUCTION MANAGER. OBTAIN ARCHITECT'S & ENGINEER'S APPROVAL BEFORE PROCEEDING WITH THE FABRICATION.
2. EACH OF THE FOLLOWING SHOP DRAWINGS MUST BEAR THE SIGNATURE AND STAMP OF A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE (PLUS OTHER DRAWINGS AS NOTED).
   a) DRAWINGS FOR ANY TEMPORARY WORK.
   b) DRAWINGS FOR ANY STRUCTURAL PARTS DESIGNED BY THE CONTRACTOR'S FORCES INCLUDING EXTERIOR BUILDING ENVELOPE
   c) STRUCTURAL STEEL/JOISTS
   d) FORMWORK
3. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED REVIEWED BY THE CONTRACTOR BEFORE ISSUING TO THE ARCHITECT/ENGINEER. SHOP DRAWINGS NOT STAMPED BY THE CONTRACTOR WILL BE REJECTED. ANY DELAYS IN THE CONSTRUCTION SCHEDULE DUE TO NONCOMPLIANCE WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. SUBMIT STRUCTURAL STEEL, STEEL JOIST AND STEEL DECK SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION. ALL SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.
5. SHOP DRAWINGS ARE REVIEWED FOR CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF THE DETAILED DESIGN OR QUANTITIES DESCRIBED IN THE SHOP DRAWINGS. THE RESPONSIBILITY FOR THE QUANTITIES AND DETAILED DESIGN OF THE MATERIALS AND COMPONENTS AS REQUIRED TO PROVIDE THE COMPLETE AND SATISFACTORY JOB DESCRIBED IN THE DESIGN DOCUMENTS REMAINS WITH THE CONTRACTOR.

D01-7 TYPICAL DETAILS

1. TYPICAL DETAILS NOTED IN THE FOLLOWING SECTIONS TO BE USED WHERE SPECIFIC DETAILS HAVE NOT BEEN PROVIDED ON DRAWINGS / SECTIONS.
2. WHERE MORE THAN ONE DETAIL APPLIES MORE EXPENSIVE VERSION WILL GOVERN.
3. DETAILS ARE TO BE READ IN CONJUNCTION WITH PLANS/ SPECIFICATIONS.

D01-8 SECONDARY COMPONENTS AND THEIR ATTACHMENTS

1. SECONDARY COMPONENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
   a) ARCHITECTURAL COMPONENTS SUCH AS GUARD AND HAND RAILS, FLAG POTS, CANOPIES, CEILINGS ETC.
   b) SITE WORK ELEMENTS EXTERIOR TO THE BASE BUILDING SUCH AS LANDSCAPING COMPONENTS, POOLS, SIGNS AND CIVIL WORK.
   c) CLADDING, WINDOW MULLIONS, GLAZING AND STORE FRONT.
   d) SKYLIGHTS AND GLASS CANOPIES.
   e) ATTACHMENTS AND BRACING FOR ELECTRICAL AND MECHANICAL COMPONENTS.
   f) GLASS BLOCK INCLUDING ATTACHMENTS.
   g) ELEVATORS.
   h) ARCHITECTURAL PRECAST AND PRECAST CLADDING.
   i) WINDOW WASHING EQUIPMENT AND ITS ATTACHMENTS.
   j) INTERIOR AND EXTERIOR LIGHT GAUGE STEEL STUD WALLS.
   k) ROOFING MATERIAL.
   l) ARCHITECTURAL BRICK VENEER.
2. DESIGN AND DETAILING OF THE ABOVE ITEMS AND THEIR ATTACHMENTS ARE NOT THE RESPONSIBILITY OF THE ENGINEER. THEY SHALL BE DESIGNED BY SPECIALTY STRUCTURAL ENGINEERS RETAINED BY CONTRACTOR, WHO WILL SEAL ALL RELATED SHOP DRAWINGS, REVIEW THE COMPONENTS IN THE FIELD AND PROVIDE ALL REQUIRED SEALED LETTERS TO THE AUTHORITIES HAVING JURISDICTION.
3. SECONDARY OR NON-STRUCTURAL COMPONENTS AND THEIR ATTACHMENTS SHALL BE DESIGNED IN ACCORDANCE WITH PART 4 OF THE BUILDING CODE AS PER NOTE #14 IN "GENERAL" ON THIS DRAWING.
4. SEALED SHOP DRAWINGS OF THE SECONDARY OR NON-STRUCTURAL COMPONENTS WHICH MAY AFFECT THE PRIMARY STRUCTURAL SYSTEM SHALL BE SUBMITTED TO THE ENGINEER ONLY FOR THE REVIEW OF THEIR EFFECT ON THE PRIMARY STRUCTURAL SYSTEM. SUBCONTRACTOR OF THESE COMPONENTS IS RESPONSIBLE FOR PROTECTION OF ALUMINUM-STEEL CONNECTIONS AGAINST GALVANIC CORROSION.
5. IN ADDITION TO CONSTRUCTION TOLERANCE, NON-STRUCTURAL COMPONENTS SHALL BE DETAILED FOR THE FOLLOWING BUILDING MOVEMENT AND DEFLECTION:
   a) VERTICAL DEFLECTIONS OF BEAMS, SLABS AND DECKING: +/- 20mm(3/4")
      DIFFERENTIAL DEFLECTIONS OF EDGE BEAMS AND EDGES OF SLABS: +/- 16mm(5/8")
   b) HORIZONTAL DRIFT DURING WIND AND EARTHQUAKE BETWEEN FLOORS:
      DRIFT WITHOUT DAMAGE TO NON-STRUCTURAL COMPONENTS: +/- 13mm(1/2")
      DRIFT WITHOUT COLLAPSE OF NON-STRUCTURAL COMPONENTS: +/- 50mm(2")
   c) MOVEMENT AT EXPANSION JOINTS:
      PERPENDICULAR: +/- 50mm(2")
      PARALLEL: +/- 50mm(2")
      VERTICAL: +/- 25mm(1")

D31 FOUNDATIONS

D31-1 FOOTINGS

ALL FOOTINGS TO BEAR ON UNDISTURBED NATIVE MATERIAL WITH MINIMUM ALLOWABLE BEARING STRENGTHS AS NOTED AND AS APPROVED BY GEOTECHNICAL ENGINEER ON SITE.
REFERENCE GEOTECHNICAL REPORT: OTT-25006966-A0 (NOV 10, 2025)
REPORT AUTHOR: EXP SERVICES INC.

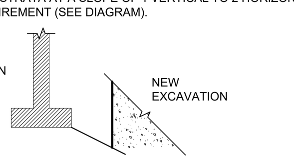
D31-2 EXCAVATION, FOUNDATIONS AND BACKFILL

REFER TO GEOTECHNICAL REPORT.

1. PRIOR TO ANY EXCAVATION, VERIFY LOCATION OF EXISTING SERVICES AND TAKE ALL NECESSARY MEASURES TO MAINTAIN SERVICES WHERE REQUIRED. NOTIFY OWNER AND ENGINEER IF ANY SERVICES NOT SHOWN ON PLAN OR OTHERWISE EXPECTED ARE ENCOUNTERED. DO NOT PROCEED FURTHER UNTIL DIRECTED.
2. CARE MUST BE TAKEN TO AVOID UNDERMINING EXISTING BUILDING FOUNDATIONS OR UNDERGROUND SERVICES.
3. PROTECT SUB-GRADE FROM FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION.
4. FOOTINGS MUST BEAR ON APPROVED BEARING SURFACES.
5. BACKFILL TO WITHIN 200mm OF UNDERSIDE OF SLAB WITH GRANULAR 'B' TYPE II IN LAYERS UP TO 12" THICK, COMPACTED TO MINIMUM 100% SPMDD OR AS PER GEOTECHNICAL REPORT.
6. FINAL 200mm UNDER SLAB TO BE GRANULAR 'A' COMPACTED TO MINIMUM 100% SPMDD OR AS PER GEOTECHNICAL REPORT.
7. RE-USE OF EXCAVATED GRANULAR MATERIAL IS SUBJECT TO APPROVAL OF GEOTECHNICAL CONSULTANT.

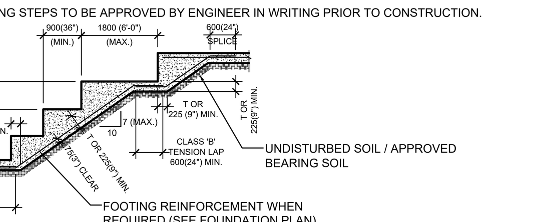
D31-3 PROTECT LATERAL STABILITY OF BEARING STRATA UNLESS NOTED:

UNLESS OTHERWISE OUTLINED IN GEOTECHNICAL REPORT DO NOT EXCAVATE BELOW A LINE EXTENDING DOWNWARD FROM ANY BEARING STRATA AT A SLOPE OF 1 VERTICAL TO 2 HORIZONTAL. ADJUST FOOTING AND TRENCH ELEVATIONS TO MEET THIS REQUIREMENT (SEE DIAGRAM).



D31-4 FOOTINGS STEPS:

LOCATIONS OF FOOTING STEPS TO BE APPROVED BY ENGINEER IN WRITING PRIOR TO CONSTRUCTION.



NOTES:

1. IF 'D' EXCEEDS 1800 (6'-0") PROVIDE HORIZONTAL SECTIONS OF 1200 (4'-0") MINIMUM LENGTH BETWEEN EVERY SET OF STEPS.
2. STEPPED FOOTINGS SHALL BE CAST AS A SINGLE UNIT.
3. 'T' DENOTES FOOTING THICKNESS.

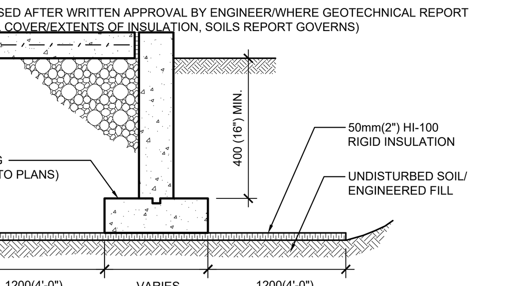
D31-5 MINIMUM FROST COVER REQUIREMENTS (OTTAWA)

(NOTE: INCREASE DEPTHS AS REQUIRED BY GEOTECHNICAL REPORT/ENGINEER)

AT HEATED BUILDINGS:	1500mm (5'-0")
AT HEATED BUILDING (SNOW CLEARED):	1800mm (6'-0")
AT ISOLATED AREAS:	2100mm (7'-0")

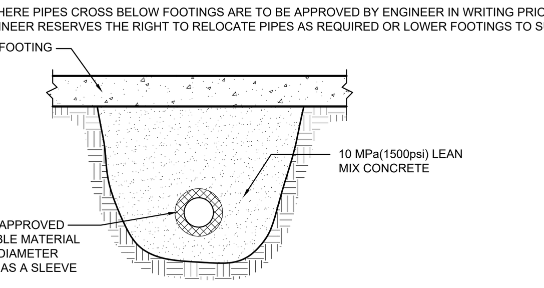
D31-6 ALTERNATE FROST COVER DETAIL

(NOTE: ONLY TO BE USED AFTER WRITTEN APPROVAL BY ENGINEER/WHERE GEOTECHNICAL REPORT REQUIRES MORE SOIL COVER/EXTENTS OF INSULATION, SOILS REPORT GOVERNS)



D31-7 PIPE CROSSING BELOW STRIP FOOTING:

(NOTE: LOCATIONS WHERE PIPES CROSS BELOW FOOTINGS ARE TO BE APPROVED BY ENGINEER IN WRITING PRIOR TO CONSTRUCTION. ENGINEER RESERVES THE RIGHT TO RELOCATE PIPES AS REQUIRED OR LOWER FOOTINGS TO SUIT.)



The Contractor shall check and verify all dimensions on site. This drawing is not to be used for construction unless stamped and signed by the Engineer. Do not scale drawings. Copyright reserved. This drawing is the exclusive property of BPA.

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

BPA

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING
GENERAL NOTES AND DETAILS

DRAWN:	W.L.	DRAWING No.
DESIGNED:	T.C.	S000
DATE:	JAN 2026	
SCALE:	N.T.S.	
PROJECT No:	25-1157	

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GENERAL NOTES AND DETAILS

D03 CONCRETE

D03-1 CONCRETE COVER (CLEAR TO REINFORCING)

U/S FOOTINGS, PILE CAPS, GRADE BEAMS (AGAINST SOIL)	75mm (3")
FOOTINGS, PILE CAPS, GRADE BEAMS (SIDES & TOP)	50mm (2")
WALLS	40mm (1 1/2")
SLABS	25mm (1") U/N
BEAMS	40mm (1 1/2")(TO STIRRUPS)
COLUMNS	40mm (1 1/2")(TO TIES)
BALCONIES	40mm (1 1/2")(TO TOP STEEL)

D03-6 SLAB AND WALL OPENINGS

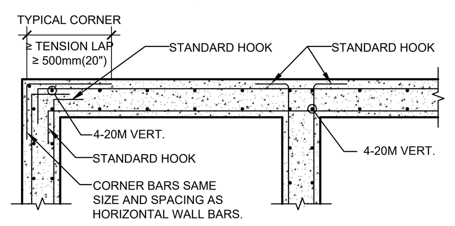
1. DISPLACE BARS LATERALLY AT SLAB OPENINGS. D O N O T C U T. PLACE HALF OF DISPLACED BARS EACH SIDE OF OPENING AND INFILL BETWEEN WITH BARS OF MATCHING SIZE & SPACING.
2. PROVIDE 1-15M TOP AND BOTTOM MINIMUM ADDITIONAL REINFORCEMENT AROUND SLAB OPENINGS 300x300 (12"x12") OR LARGER (UNLESS NOTED). EXTEND 24 BAR DIAMETER (600mm (24") MIN.) BEYOND CORNER.
3. PROVIDE THE FOLLOWING MINIMUM ADDITIONAL REINFORCEMENT AROUND WALL OPENINGS 300x300 (12"x12") OR LARGER (UNLESS NOTED). EXTEND 24 BAR DIAMETER BEYOND CORNERS EACH WAY.
   200(8") WALLS: 1-20M
   250(10") WALLS: 2-20M
   300(12") OR THICKER WALLS: 2-20M
4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS TO THOSE INDICATED.
5. PROVIDE OPENINGS IN WALLS AND SLABS AS SHOWN ON STRUCTURAL DRAWINGS OR OTHERWISE REQUIRED BY VARIOUS TRADES. ENGINEER'S APPROVAL MUST BE OBTAINED FOR LOCATIONS AND SIZES OF OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. ALL OPENINGS MUST BE FORMED BEFORE THE SLAB OR WALL IS POURED. DO NOT CUT ANY OPENINGS, AFTER CONCRETING, UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER.
6. PROVIDE SLEEVES IN SLABS OR WALLS FOR MECHANICAL PIPING AND AVOID OPENINGS WHERE POSSIBLE. ENGINEER'S APPROVAL MUST BE OBTAINED FOR ANY CONCENTRATION OF SLEEVES IN COLUMN BAND AND AROUND COLUMN. SLEEVING DRAWINGS MUST BE SUBMITTED FOR APPROVAL MINIMUM OF 4 WEEKS PRIOR TO POURING OF CONCRETE.

D03-7 MINIMUM WALL REINFORCING

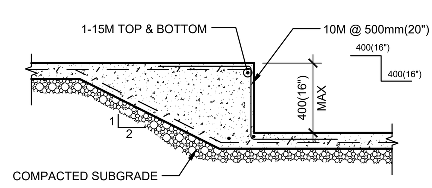
UNLESS OTHERWISE NOTED PROVIDE:

WALL THICKNESS	VERTICAL BARS (.0025Ag)	HORIZONTAL BARS (.0025Ag)	VERTICAL EACH END
150mm(6")	10M @ 250(10")	10M @ 250(10")	1-15M
200mm(8")	15M @ 400(16")	15M @ 400(16")	1-20M
250mm(10")	10M @ 300(12") E.F.	10M @ 300(12") E.F.	2-20M
300mm(12")	10M @ 250(10") E.F.	10M @ 250(10") E.F.	2-20M
350mm(14")	15M @ 450(18") E.F.	15M @ 450(18") E.F.	2-25M
400mm(16")	15M @ 400(16") E.F.	15M @ 400(16") E.F.	2-25M

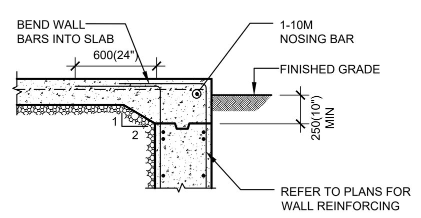
D03-8 HORIZONTAL WALL STEEL DETAIL AT CORNERS U/N:
(NON-SHEAR WALL LOCATIONS)



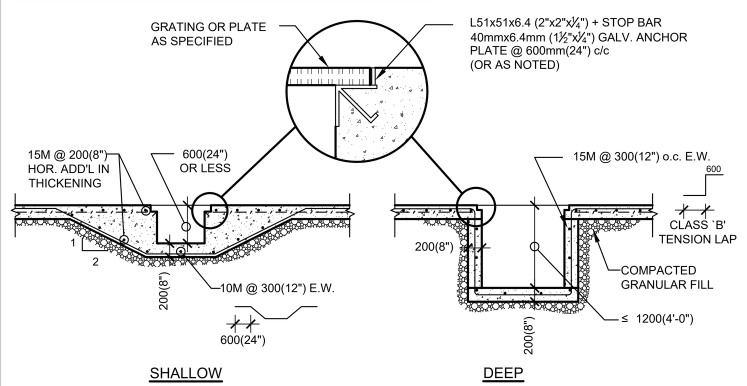
D03-9 SLAB ON GRADE ELEVATION CHANGE U/N:

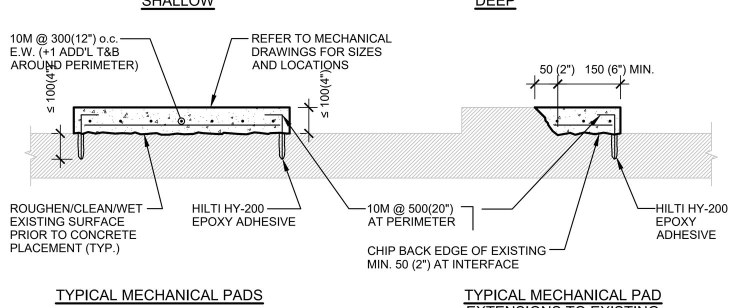


D03-10 SLAB ON GRADE AT DOORS:

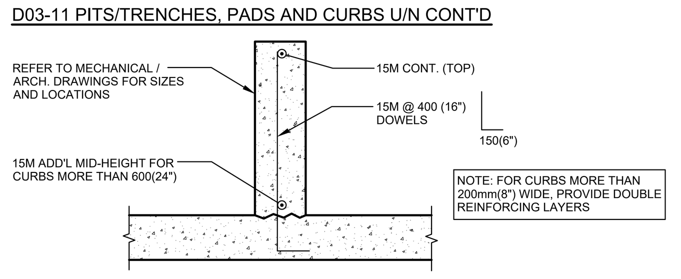


D03-11 PITS/TRENCHES, PADS AND CURBS U/N:



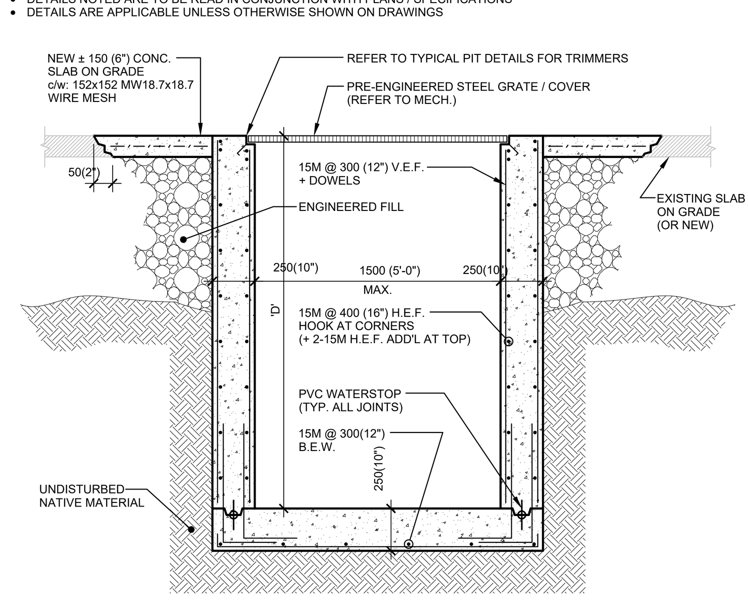


D03-11 PITS/TRENCHES, PADS AND CURBS U/N CONT'D



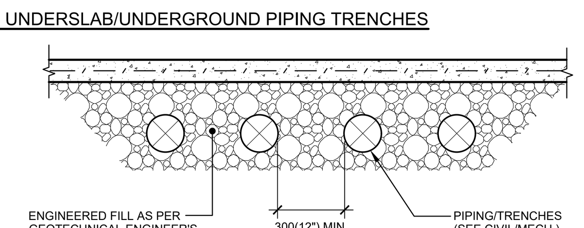
TYPICAL CONCRETE CURB (MAXIMUM 600mm(24") HIGH U/N)

- DETAILS NOTED ARE TO BE READ IN CONJUNCTION WITH PLANS / SPECIFICATIONS
- DETAILS ARE APPLICABLE UNLESS OTHERWISE SHOWN ON DRAWINGS

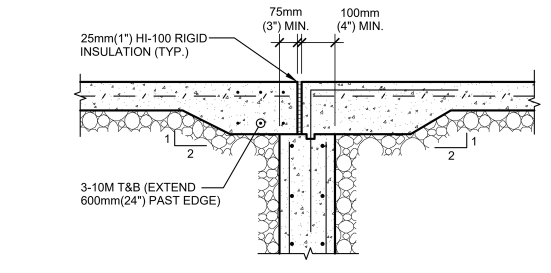


DEEP SUMP / MECH. PITS: 1200 ≤ D ≤ 3000 (4'-0" ≤ D ≤ 10'-0")

D03-13 UNDERSLAB/UNDERGROUND PIPING TRENCHES

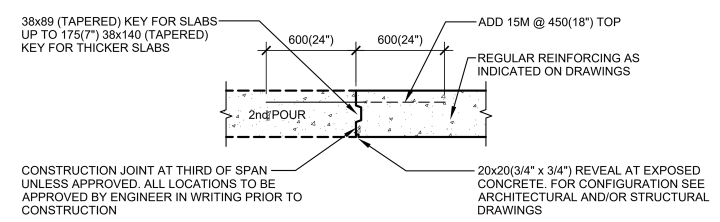


D03-14 EXTERIOR SLAB ON GRADE AT DOORS



SLAB-ON-GRADE

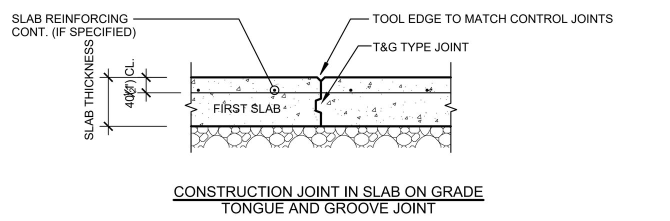
D03-15 CONSTRUCTION JOINTS



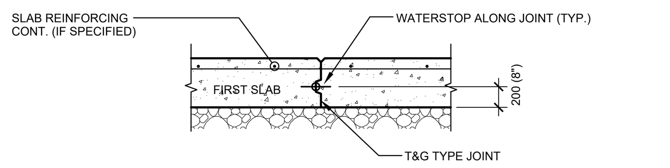
STRUCTURAL SLAB

NOTES:

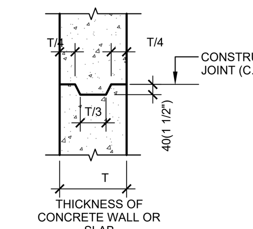
1. WHERE BARS ARE EPOXY COATED INCREASE BAR LENGTHS BY 20%.
2. FOR TRANSFER BEAMS OR BEAMS GREATER THAN 900(3'-0") DEEP, LOCATION AND DETAIL OF CONSTRUCTION JOINT TO BE APPROVED BY ENGINEER. IT SHALL BE ASSUMED JOINTS ARE NOT PERMITTED FOR TENDERING PURPOSES.
3. CONCRETE SLABS SHALL BE CONCRETED IN SECTIONS NOT EXCEEDING 560m² (6000 ft²) IN AREA. EACH POUR SHALL BE BOUNDED BY A VERTICAL BULKHEAD OR ABUTTING CONSTRUCTION. PROVIDE ADDITIONAL REINFORCING AS PER DETAILS ON TYPICAL DETAILS DRAWING.



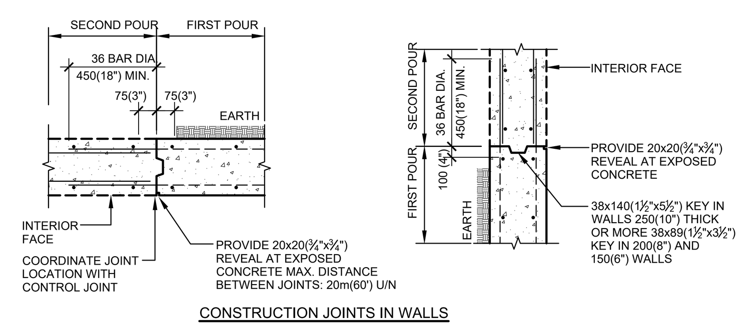
CONSTRUCTION JOINT IN SLAB ON GRADE
TONGUE AND GROOVE JOINT



CONSTRUCTION JOINT IN RAFT SLAB



CONSTRUCTION JOINT KEY DETAIL



CONSTRUCTION JOINTS IN WALLS

VERTICAL JOINT — HORIZONTAL POUR

D03-17 CONCRETE MIXES

PROPORTION NORMAL DENSITY CONCRETE IN ACCORDANCE WITH CAN/CSA-A23.1, TO GIVE THE FOLLOWING QUALITY FOR ALL CONCRETE AS INDICATED.

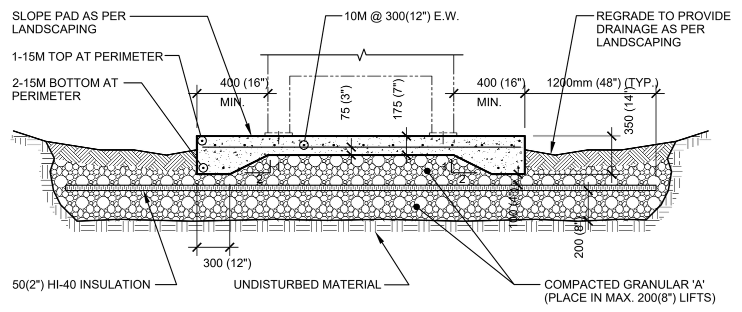
LOCATION	28 DAY STRENGTH	SLUMP (SEE NOTE 6)	CLASS OF EXPOSURE
SLAB ON GRADE (INTERIOR)	25 MPa		N
SLAB ON GRADE (EXTERIOR)	32 MPa		C-2
FOUNDATION WALLS (NOT IN SHEAR WALLS OR COLUMNS)	25 MPa		F-2
FOOTINGS	REFER TO SCHEDULES		
INTERIOR COLUMNS/PIERS	25 MPa		N
PAVEMENT & WALKS	32 MPa		C-2
RETAINING WALLS	35 MPa		C-1
EXTERIOR LANDSCAPE WALL ELEMENTS	35 MPa		C-1

* OBTAIN THESE SLUMPS WITH AID OF SPECIFIED WATER REDUCING AGENT.
* NOTE: ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS TO HAVE MINIMUM 6% AIR ENTRAINMENT.

READY-MIXED CONCRETE AND CONCRETE PROPORTIONS SHALL BE IN ACCORDANCE WITH CSA A23.1, CLAUSE 12 AND AS FOLLOWS:

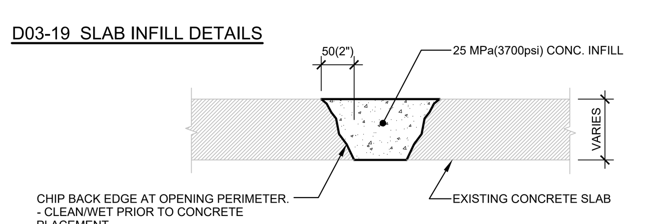
1. MINIMUM ALLOWABLE COMPRESSIVE STRENGTH SHALL BE 30 MPa (4400psi) AT 28 DAYS OF AGE, UNLESS OTHERWISE NOTED OR SHOWN.
2. IF BLENDED NORMAL PORTLAND CEMENT/CEMENTITIOUS HYDRAULIC SLAG IS USED EXCEPT FOR FLOOR MIXES. SLAG CONTENT SHALL NOT BE MORE THAN 25% OF TOTAL MASS OF CEMENT. TOTAL VOLUME OF CEMENT IN CONCRETE FLOOR MIXES SHALL BE 100% NORMAL PORTLAND CEMENT.
3. PROVIDE CERTIFICATION THAT MIX PROPORTIONS SELECTED WILL PRODUCE CONCRETE OR SPECIFIED QUALITY AND YIELD AND THAT STRENGTH WILL COMPLY WITH CAN/CSA-A23.1-M06.
4. USE OF CALCIUM CHLORIDE NOT PERMITTED.
5. DO NOT CHANGE CONCRETE MIX WITHOUT PRIOR APPROVAL OF CONSULTANT. SHOULD CHANGE IN MATERIAL SOURCE BE PROPOSED, NEW MIX DESIGN TO BE APPROVED BY CONSULTANT.
6. UNLESS SPECIFIED, SLUMP TO BE AS REQUIRED TO FACILITATE CONSTRUCTION TECHNIQUES, PLACEMENT, AND REBAR CONGESTION.

D03-18 EXTERIOR EQUIPMENT PADS



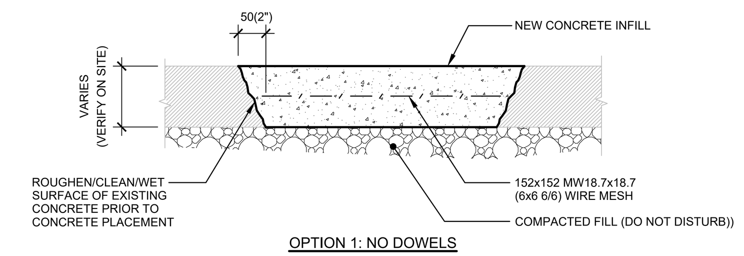
NOTE:
PROVIDE EXTERIOR PADS AS REQUIRED. REFER TO ARCH/LANDSCAPE DWGS FOR LOCATIONS/DIMENSIONS.

D03-19 SLAB INFILL DETAILS

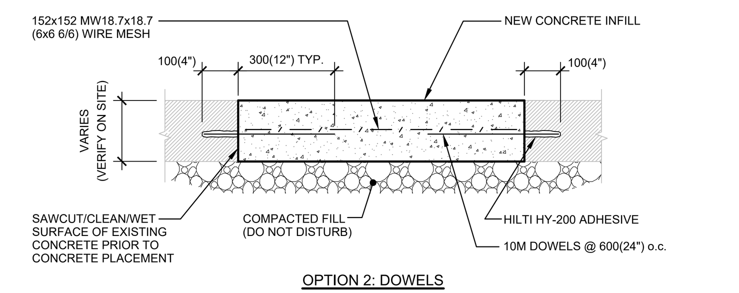


TYPICAL SLAB INFILL: OPENING < 300x300 (12"x12")

D03-20 SLAB ON GRADE REMOVAL/REINSTATEMENT



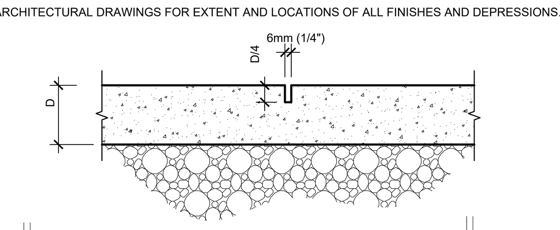
OPTION 1: NO DOWELS

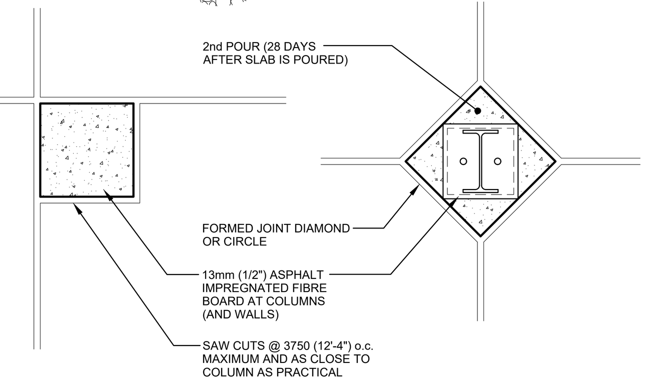


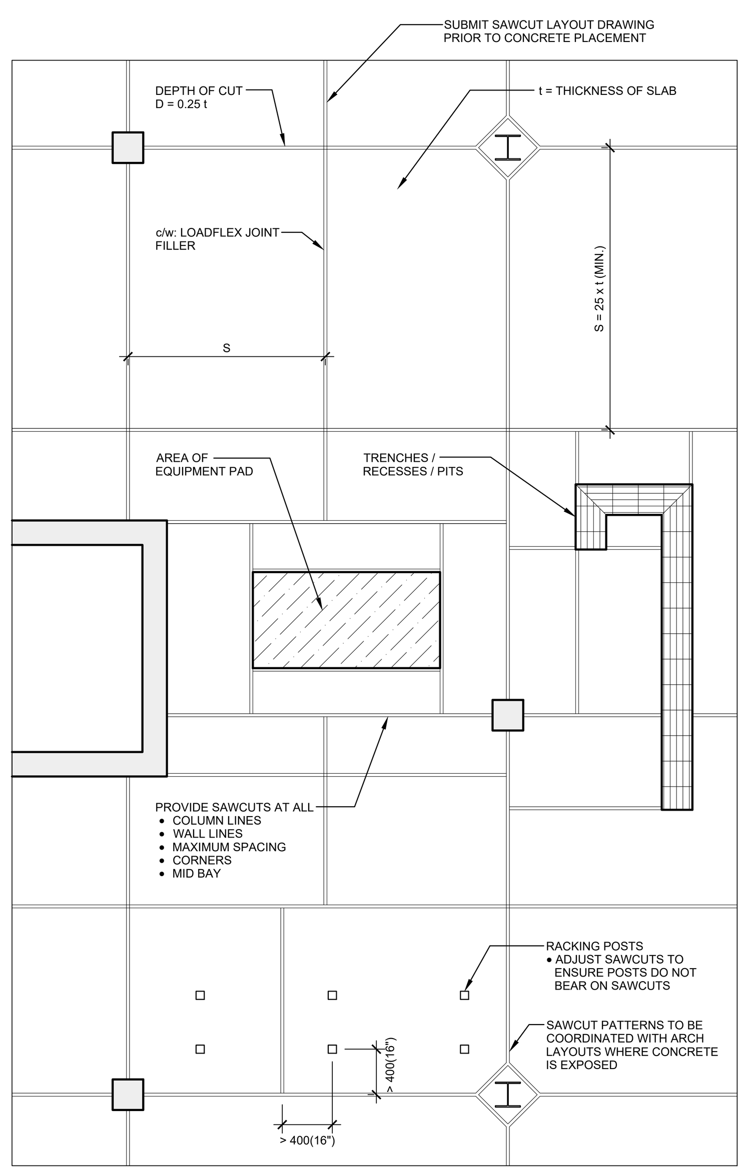
OPTION 2: DOWELS

D03-26 SLAB ON GRADE CONTROL JOINTS AND SAWCUTS

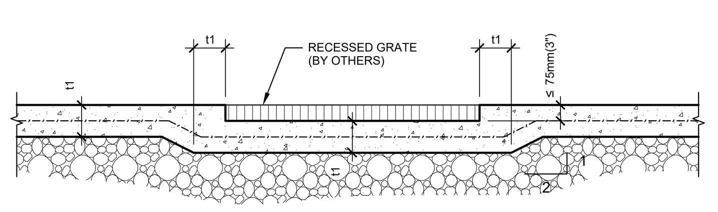
1. SLAB ON GRADE TO BE PLACED ON COMPACTED GRANULAR MATERIAL IN STRICT ACCORDANCE WITH THE SOILS REPORT. COMPACTION TESTS ON FILL MATERIAL TO BE CARRIED OUT PRIOR TO SLAB ON GRADE PLACEMENT.
2. PROVIDE APPROVED PRE-FORMED KEYED CONTROL JOINTS OR SAW CUTS (WITHIN 18 HOURS) AT MAXIMUM SPACING 3.75 m. CUT 1/3 DEPTH OF SLAB AND FILL WITH APPROVED MASTIC JOINT FILLER.
3. BREAK BOND AT SURFACES OF CONTACT WITH OTHER CONCRETE (USE ASPHALT WATERPROOFING, HEAVY DUTY POLYETHYLENE OR SAND LAYER).
4. PROVIDE 10mm ASPHALT IMPREGNATED FIBRE BOARD AND CAULKING AROUND ALL COLUMNS AND ALONG ALL WALLS.
5. PROVIDE POLY FIBRE REINFORCING TYPICAL UNLESS OTHERWISE NOTED.
6. PROVIDE CIRCULAR OR RECTANGULAR POCKETS AROUND COLUMNS. PLACE CONCRETE IN POCKET 4 WEEKS AFTER SLAB IS CONSTRUCTED.
7. DO NOT PLACE SLAB ON GRADE IN ONE CONTINUOUS POUR IN LENGTHS EXCEEDING 30.0m IN EITHER DIRECTION.
8. SUBMIT FOR REVIEW LAYOUT DRAWING WITH CONSTRUCTION JOINT LOCATIONS AND SAW CUT PATTERN.
9. MAINTAIN MINIMUM SPECIFIED THICKNESS AT ALL DEPRESSIONS AND CHANGES IN ELEVATIONS.
10. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS OF ALL FINISHES AND DEPRESSIONS.





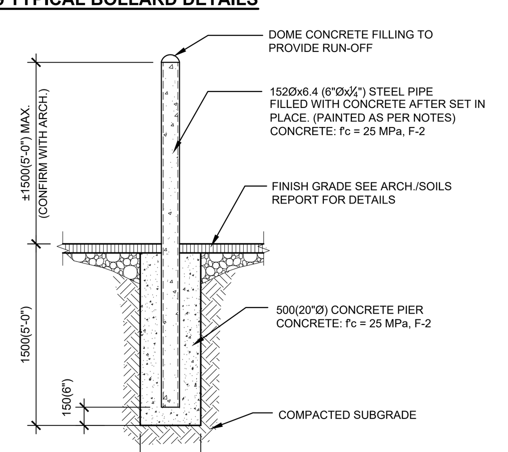


TYPICAL SAWCUT PATTERNS



RECESSED FLOOR GRATES

D03-29 TYPICAL BOLLARD DETAILS



D04 MASONRY

D04-1 GENERAL

1. ALL MASONRY SHALL COMPLY WITH CSA S304-14, CSA A370-14 (R2018), AND CSA A371-14 (R2019) UNLESS OTHERWISE NOTED.
2. MINIMUM MASONRY REINFORCEMENT (UNLESS OTHERWISE NOTED):

WALL THICKNESS	LOABEARING	NON-LOADBEARING
140mm (6")	HORIZ. SMR @ 200 (8") OR HDMR @ 400 (16") VERT. 1-15M @ 800 (32")	HORIZ. SMR @ 400 (16") VERT. 1-10M @ 1200 (48")
190mm (8")	HORIZ. HDMR @ 200 (8") & 400 (16") (ALTERNATE) VERT. 1-20M @ 1000 (40")	HORIZ. HDMR @ 600 (24") VERT. 1-15M @ 1200 (48")
240mm (10")	HORIZ. HDMR @ 200 (8") VERT. 2-15M @ 1000 (48")	HORIZ. HDMR @ 400 (16") VERT. 2-10M @ 1200 (48")
290mm (12")	HORIZ. HDMR @ 200 (8") VERT. 2-20M @ 1200 (48")	HORIZ. HDMR @ 400 (16") VERT. 2-15M @ 1200 (48")

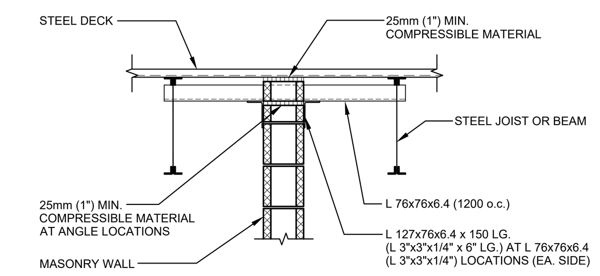
3. VERTICAL BARS SHALL BE CONTINUOUS, LAPPED ONLY AT FLOORS, DOWELED INTO SUPPORTS AND GROUTED INTO CLEAR VERTICAL BLOCK CORES SEALED ALL AROUND WITH MORTAR. PROVIDE CLEAN-OUT PORT AT BOTTOM OF EACH GROUTED CORE. DO NOT CLOSE PORT OR PLACE GROUT UNTIL CORE AND STEEL HAVE BEEN INSPECTED. PROVIDE THREE GROUTED REINFORCED (20M) CORES AT EACH CORNER AND INTERSECTION (MIN.) & 2-20M @ WALL ENDS.
4. PROVIDE 1-20M IN 2-COURSE DEEP FULLY GROUTED HORIZONTAL BOND BEAM AT THE TOP OF ALL LOAD BEARING WALLS U/N.
5. PROVIDE APPROVED LATERAL SUPPORT TO TOP AND BOTTOM OF MASONRY PANELS AT GROUTED CORE LOCATIONS OR AT 1800mm(6'-0") MAXIMUM SPACING WHERE NO VERTICAL REINFORCEMENT IS REQUIRED; ALSO AT SIDES OF MASONRY PANELS AT 4 TIMES THE WALL THICKNESS.

COMPRESSIVE STRENGTH OF MATERIALS USED FOR LOAD BEARING AND PANEL WALLS SHALL BE IN EXCESS OF THE FOLLOWING VALUES:

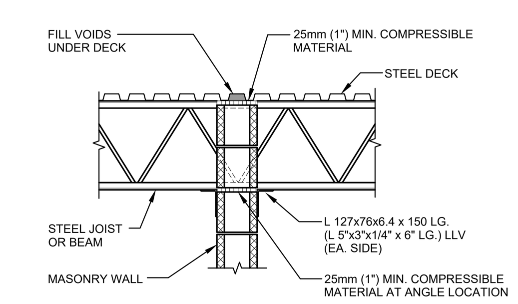
a) MASONRY UNITS	- HOLLOW CONCRETE BLOCK	20 MPa (UNLESS NOTED IN SCHEDULE)
	- SOLID CONCRETE BLOCK (GROSS AREA)	20 MPa (UNLESS NOTED IN SCHEDULE)
	- NON LOAD BEARING BLOCK	15 MPa

6. TYPE 'S' MORTAR SHALL BE USED FOR MASONRY, MIN. STRENGTH fm= 13 MPa (1800 psi) HOLLOW BLOCK AND fm = 15 MPa (2176 psi) SOLID/GROUTED
7. NON-SHRINK GROUT TO BE A MINIMUM OF 15 MPa (2176 psi) MIN. SLUMP OF 225mm (9"). ALL GROUT TO BE FINE.
8. PROVIDE LINTELS FOR ALL OPENINGS AND/OR RECESSES IN MASONRY WALLS SHOWN ON THE ARCHITECTURAL/MECHANICAL OR STRUCTURAL DRAWINGS INCLUDING THOSE FOR MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT. (SEE LINTEL SCHEDULE).
9. INTERSECTING OR ABUTTING WALLS SHALL BE BONDED ADEQUATELY TOGETHER. EXTENT OF HMR AS PER ABOVE NOTE 2. TOOTH TOGETHER WHERE POSSIBLE.
10. PROVIDE MINIMUM 25mm(1") GROUT UNDER ALL WALL PLATES AND BASE PLATES.
11. MASONRY UNITS WILL BE RUNNING BOND U.N.O.
12. HORIZONTAL BOND BEAMS TO BE KNOCK OUT PANEL BLOCKS.
13. DOWELS IN FOUNDATION WALL TO ALIGN & LAP WITH VERTICAL BARS. MIN. LAP OF 1.3Ld FOR 15MPa CONCRETE. LAP ALL VERTICAL BARS 1.3Ld TENSION LAP FOR 15MPa GROUT.
14. PROVIDE MIN. 1-15M IN MIN. SINGLE COURSE FULLY GROUTED BOND BEAM AT TOP OF ALL NON-LOADBEARING WALLS.
15. PROVIDE DEFLECTION CLIPS AT TOP OF ALL NON-LOADBEARING WALLS AS PER DETAILS BELOW.

NON-LOADBEARING MASONRY WALL AT STEEL STRUCTURE

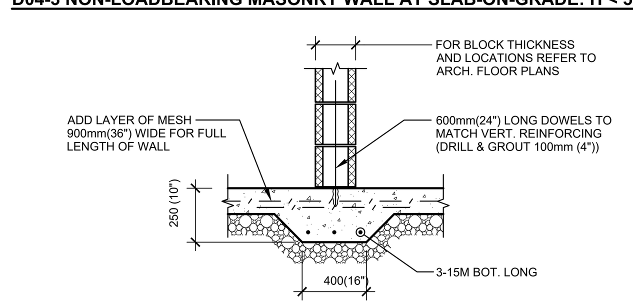


WALL PARALLEL TO JOIST/BEAM

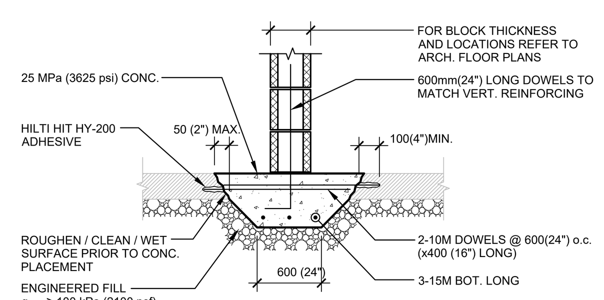


WALL PERPENDICULAR TO JOIST/BEAM

D04-3 NON-LOADBEARING MASONRY WALL AT SLAB-ON-GRADE: H < 5m(16'-0)



NEW WALL/ NEW SLAB

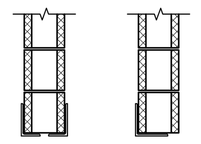


NEW WALL / EXISTING SLAB

D04-4 MASONRY LINTELS

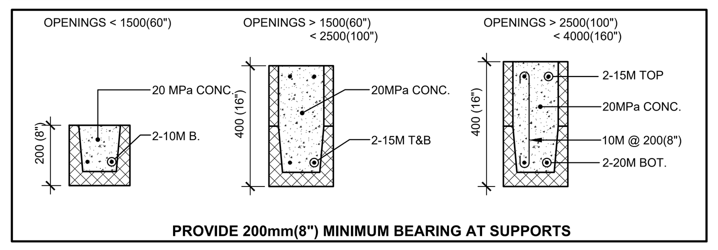
D04-4.1 MASONRY LINTELS FOR EXISTING NON-LOADBEARING WALLS

290mm (12") CONCRETE BLOCK:	SPANS	< 2100mm (84")	2- L 152x89x7.9
240mm (10") CONCRETE BLOCK:	SPANS	< 2100mm (84")	2- L 152x89x7.9
190mm (8") CONCRETE BLOCK:	SPANS	< 1500mm (60")	2- L 152x89x7.9 OR 1- L 152x152x7.9
140mm (6") CONCRETE BLOCK:	SPANS	< 2000mm (79")	1- L 127x127x7.9



1. INSTALL NEW LINTELS PRIOR TO BLOCK REMOVAL
2. PROVIDE 200mm(8") MIN. BEARING EACH END.

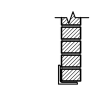
D04-4.2 MASONRY LINTELS FOR NON-LOADBEARING WALLS



D04-4.3 LOOSE LINTEL SCHEDULE - 90mm (3 1/2") BRICK MASONRY

LOOSE LINTEL SCHEDULE: 90mm (3 1/2") MASONRY

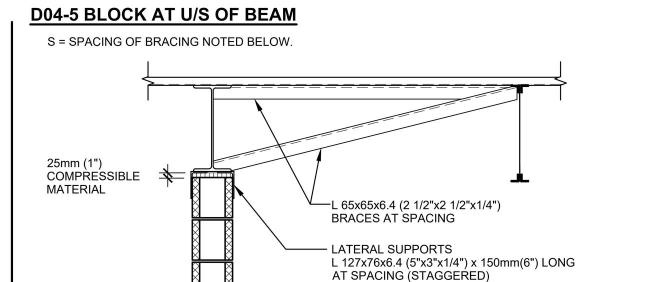
SPANS < 1200(48") L 90x90x6.4 (L 3 1/2"x3 1/2"x1/4")
SPANS < 1800(72") L 102x90x7.9 (L 4"x3 1/2"x5/16")
SPANS < 2400(96") L 127x90x7.9 (L 5"x3 1/2"x5/16")
SPANS < 3000(120") L 152x102x10 (L 6"x4"x3/8")



PROVIDE LOOSE LINTELS ABOVE ALL MASONRY CLADDING OPENINGS U/N.
ALL LOOSE LINTELS TO BE HOT DIP GALVANIZED U/N AT EXTERIOR CONDITIONS U/N. PROVIDE MIN. 150mm (6") BEARING EACH END.

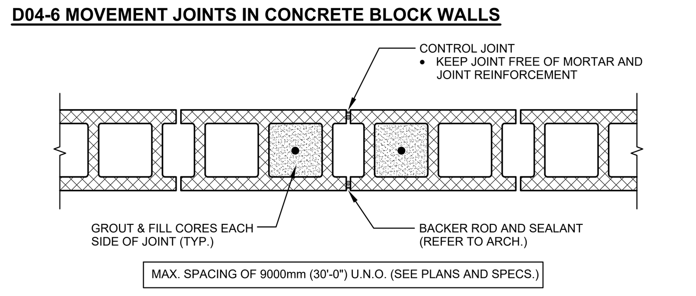
D04-5 BLOCK AT U/S OF BEAM

S = SPACING OF BRACING NOTED BELOW.



S ≤ 1200mm (4'-0")	90(4") BLOCK
S ≤ 1200mm (4'-0")	140(6") BLOCK
S ≤ 1500mm (5'-0")	190(8") BLOCK OR LARGER

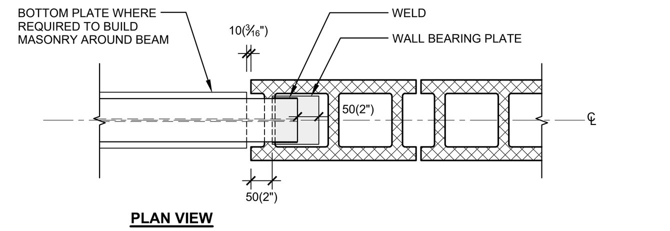
D04-6 MOVEMENT JOINTS IN CONCRETE BLOCK WALLS



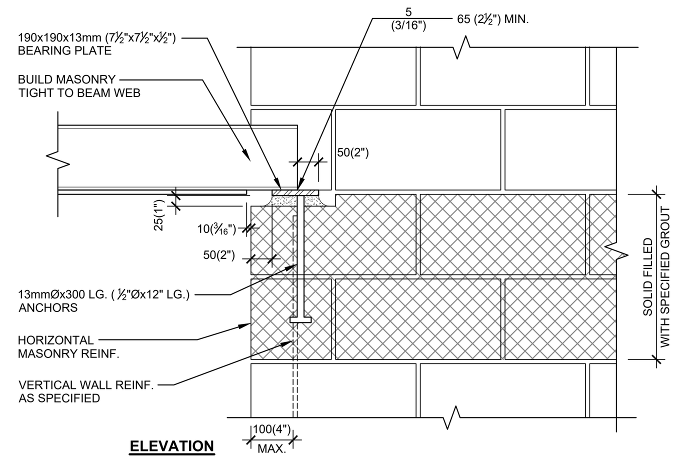
MAX. SPACING OF 9000mm (30'-0") U.N.O. (SEE PLANS AND SPECS.)

MOVEMENT JOINTS IN CONCRETE BLOCK WALLS

D04-7 STEEL BEAM TO MASONRY



PLAN VIEW



ELEVATION

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No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING
GENERAL NOTES AND DETAILS

DRAWN:	W.L.	DRAWING No.
DESIGNED:	T.C.	S001
DATE:	JAN 2026	
SCALE:	N.T.S.	
PROJECT No:	25-1157	

2026-04-22 4:10:10 PM

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GENERAL NOTES AND DETAILS

D05 STEEL

D05-1 STRUCTURAL STEEL

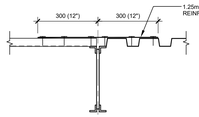
STRUCTURAL STEEL SHALL COMPLY WITH CAN3-S16.1-14 UNLESS OTHERWISE NOTED.

ITEM	APPLICABLE SPECIFICATIONS (UNLESS OTHERWISE NOTED)
ROLLED SECTIONS	G40.21M - 350W
ROLLED C & L SHAPES	G40.21M - 300W
HSS (TUBE) SECTIONS	G40.21M - 350W (CLASS C)
CONCRETE ANCHOR BOLTS	A307 (UNLESS OTHERWISE NOTED IN BASEPLATE SCHEDULE)
ANCHOR BOLTS	A307 UNLESS OTHERWISE NOTED IN BASEPLATE SCHEDULE)
BRACE FRAME/BEARING PLATES	G40.21M - 300W

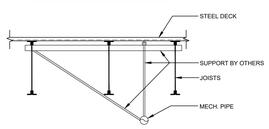
1. ALL STEEL WORK SHALL BE GIVEN ONE COAT OF APPROVED PRIMER.
2. FIELD AND SHOP CONNECTIONS SHALL BE WELDED OR HIGH TENSILE BOLTED (ASTM STANDARD A325).
3. WELDING SHALL CONFORM TO LATEST CSA SPECIFICATIONS W59 AND BE UNDERTAKEN BY A FABRICATOR APPROVED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA SPECIFICATION W47.1.
4. ALL EXPOSED WELDS SHALL BE CONTINUOUS AND BE GROUND SMOOTH.
5. ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED OR PAINTED WITH APPROVED RUST INHIBITIVE PAINT. (PAINT ONLY IF APPROVED BY STRUCTURAL ENGINEER IN WRITING).
6. STRUCTURAL STEEL MEMBERS SHALL NOT BE SPLICED UNLESS APPROVED BY THE STRUCTURAL ENGINEER IN WRITING.
7. WHERE STRUCTURAL STEEL MEMBERS SPECIFIED ON THE STRUCTURAL DRAWINGS ARE UNAVAILABLE TO THE CONTRACTOR, THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE MEMBERS HAVING ALL SECTION PROPERTIES EQUAL TO OR BETTER THAN THAT OF THE SPECIFIED MEMBERS AT NO ADDITIONAL COST. CONTACT ENGINEER FOR ACCEPTANCE OF ANY AND ALL SUBSTITUTIONS.

D05-2 STEEL DECK

1. ALL METAL DECK SHALL BE A MINIMUM OF 38mm(1 1/2") DEEP, WITH DECK FLUTES AT 150mm(6") CENTERS, CONTINUOUS OVER AT LEAST THREE SPANS, AND SHALL BE FORMED FROM SHEET STEEL CONFORMING TO CSSBI 10M13M/20M, MINIMUM GRADE 'A', WITH A BASE STEEL NOMINAL THICKNESS SPECIFIED ON PLANS, AND A MINIMUM ZINC COATING DESIGNATION OF "WIPED COAT". MINIMUM SIZES AS FOLLOWS (U/N ON PLANS):
   ROOFS: 38x1.22 (1 1/2"x18ga.)
   FLOORS: 38x1.22 (1 1/2"x18ga.) COMPOSITE
2. DECK CONNECTIONS TO SUPPORTING STRUCTURE TO BE AS FOLLOWS (U/N ON PLANS):
   20mm(3/4)Ø FUSION WELDS @ 914/7
   20mm(3/4")Ø FUSION WELDS @ 300mm(12") TRANS
   20mm(3/4")Ø FUSION WELDS @ 300mm(12") PERIMETER
   SIDE LAP: BUTTON PUNCH @ 300mm(12") o.c.
3. ALL WELDS SHALL BE PRIME PAINTED BY DECK CONTRACTOR.
4. STEEL DECK CONTRACTOR TO REINFORCE ALL OPENINGS IN DECK 18" IN SIZE OR SMALLER.
5. ALL DECK CLOSURES SHALL BE SUPPLIED AND INSTALLED BY THE DECK CONTRACTOR. (PROVIDE DECK CLOSURES AT ALL AREAS WHERE DECK EDGES ARE WEAK).
6. WEDGE THE FLUTES OF THE STEEL ROOF DECK UNDER WOOD SLEEPERS CARRYING ROOF TOP UNITS (THIS SHALL ALSO APPLY TO ROOF TOP UNITS WITH METAL CURBS).
7. NO MECHANICAL OR ELECTRICAL EQUIPMENT/ACCESSORIES SHALL BE HUNG FROM THE STEEL DECK.
8. HANGERS FOR SUSPENSION OF CEILING ARE TO BE ATTACHED TO THE STEEL JOISTS. THESE MAY HOWEVER BE ATTACHED IN BETWEEN STEEL JOISTS TO THE SIDE OF THE DECK FLUTES AND BY LOOPING AND TYING AROUND, BUT ON NO ACCOUNT SHOULD THESE HANGERS BE PUNCHED THROUGH THE BOTTOM FLUTES.

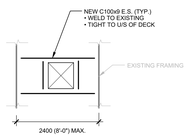


DETAIL AT DECK DIRECTION CHANGE



- ALL EQUIPMENT SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS NOTED ON STRUCTURAL DRAWINGS
- SUPPORTS ARE TO BE PROVIDED AT THE TIME OF STEEL SHOP DRAWING REVIEW AS COORDINATED WITH STEEL ENGINEER'S DRAWINGS/DETAILS
- SUPPORT LAYOUTS THAT AFFECT BASE BUILDING ELEMENTS AND RESULT IN CHANGES WILL BE DONE AT NO COST TO THE CONTRACT

EQUIPMENT SUPPORTS



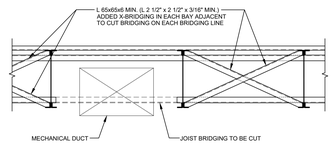
ROOF PENETRATIONS IN EXISTING (4'-0"x4'-0" MAX.)

D05-3 STEEL JOISTS AND BRIDGING: S16.1-14 AND S136-M94

1. ALL JOISTS ARE TO BE EQUALLY SPACED BETWEEN TIE JOIST/BEAMS.
2. ALL JOISTS ARE TO BE CAMBERED FOR FULL DEAD LOAD DEFLECTION. LIMIT LIVE LOAD DEFLECTIONS TO NOT MORE THAN L/360 FOR ROOF AREAS AND NOT MORE THAN L/480 FOR FLOOR AREAS. TOTAL LOAD DEFLECTION FOR FLOOR JOISTS NOT TO EXCEED L/240. FLOOR JOISTS TO ALSO MEET VIBRATION CRITERIA OUTLINED IN 2012(R22) OBC CLAUSE 4.1.3.6.
3. IN ORDER TO FACILITATE THE PASSAGE OF MECHANICAL DUCTS AND PIPES THROUGH THE ROOF JOISTS, TIE JOIST SUPPLIER SHALL LOCATE THE DIAGONALS SO THAT THEY LINE UP FROM JOIST TO JOIST.
4. SPECIFIED POINT LOADS ARE SHOWN ON PLANS/SECTIONS.
5. ALL PIPES MUST BE HUNG FROM TOP CHORD OF JOISTS. IF A LOAD (APPROVED BY THE STRUCTURAL ENGINEER) IS HUNG FROM A JOIST AT A LOCATION OTHER THAN THE PANEL POINT, THEN A WEB DIAGONAL SHALL BE WELDED FROM THE HANGER LOCATION TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.
6. LOADING DIAGRAMS:

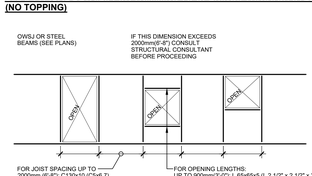
   AREAS SHADED ON ROOF PLAN INDICATES EXTENT OF ADDITIONAL SNOW PILING WITH PEAK (SPECIFIED) LOADS NOTED. ROOF DECK AND JOISTS SHALL BE DESIGNED, MANUFACTURED AND ERECTED TO SUPPORT BASIC SPECIFIED AS WELL AS ADDITIONAL SNOW LOADING.
7. a) PROVIDE 1 ROW OF HORIZONTAL BRIDGING AT FIRST BOTTOM CHORD PANEL POINT AT EACH END OF JOIST. PROVIDE ADDITIONAL CROSS BRIDGING AS INDICATED ON PLAN.

   b) STEEL CONTRACTOR SHALL DESIGN, SUPPLY AND ERECT REMAINDER OF HORIZONTAL JOIST BRIDGING OF SUFFICIENT SIZE AND SPACING IN ACCORDANCE WITH CSA S16.1 LATEST EDITION.
8. DESIGN JOISTS FOR ALL LOADING CONDITIONS SPECIFIED IN THE NATIONAL BUILDING CODE IN ADDITION TO THE SNOW LOADS SPECIFIED ON PLANS.
9. PROVIDE ADDITIONAL X-BRIDGING BETWEEN THE OUTSIDE PERIMETER BEAMS AND THE FIRST ROW OF JOIST RUNNING PARALLEL. ADDITIONAL BRIDGING IS SHOWS AS = = = ON PLAN. MINIMUM SIZE TO BE L 38x38x4 (L 1 1/2"x1 1/2"x1/8") SPACED AT 1800(6'-0") c/c (MAX.) UNLESS OTHERWISE NOTED.
10. DESIGN ALL JOIST SHOES FOR MINIMUM ROLLOVER FORCE +/- 15 kN (U/N ON PLANS) APPLIED PERPENDICULAR TO JOISTS AT U/S OF DECK ALONG BRACE FRAME / MOMENT FRAME LINES. WHERE ROLLOVER FORCES NOTED (AND ON PLANS) CANNOT BE ACCOMMODATED BY JOIST DESIGN, PROVIDE SHEAR TABS AS PER TYPICAL DETAILS BETWEEN JOISTS.



TYPICAL DETAIL WHERE BOTTOM CHORD JOIST BRIDGING AND / OR BRACING IS REQUIRED TO BE CUT DUE TO INTERFERENCE BY MECHANICAL DUCTWORK

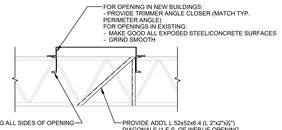
D05-5 TYPICAL DETAILS FOR TRIMMING TO OPENINGS THROUGH STEEL DECK (NO TOPPING)



NOTES:

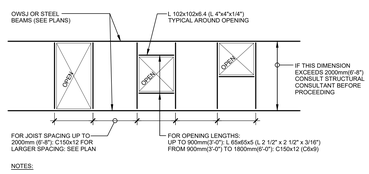
1. TOP OF ALL TRIMMING STEEL AT UNDERSIDE OF STEEL DECK UNLESS OTHERWISE NOTED.
2. LOCATION OF ALL MECHANICAL UNITS AND OPENINGS THROUGH ROOF IS BASED ON INFORMATION SHOWN ON MECHANICAL DRAWINGS. THE STRUCTURAL STEEL SUB-CONTRACTOR MUST CONFIRM ALL THESE DIMENSIONS AND SIZES WITH THE MECHANICAL CONTRACTOR.
3. OWSJ MUST BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS.
4. IF ACTUAL LOCATIONS OR DETAILS VARY FROM THOSE SHOWN, THE STRUCTURAL CONSULTANT MUST BE INFORMED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING WITH THE WORK.
5. THE STRUCTURAL STEEL SUB-CONTRACTOR IS TO SUBMIT ERECTION DRAWINGS TO THE MECHANICAL ENGINEER AND/OR CONTRACTOR FOR APPROVAL OF SIZE AND LOCATION OF OPENINGS FOR MECHANICAL UNITS.

PLAN: ROOF DECK OPENINGS (NEW/EXISTING)



SECTION: ROOF DECK OPENINGS (NEW/EXISTING)

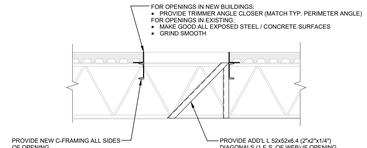
D05-5a TYPICAL DETAILS FOR TRIMMING TO OPENINGS THROUGH CONCRETE ON DECK



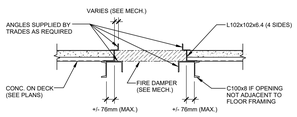
NOTES:

1. TOP OF ALL TRIMMING STEEL AT UNDERSIDE OF STEEL DECK UNLESS OTHERWISE NOTED.
2. LOCATION OF ALL MECHANICAL UNITS AND OPENINGS THROUGH FLOOR IS BASED ON INFORMATION SHOWN ON MECHANICAL DRAWINGS. THE STRUCTURAL STEEL SUB-CONTRACTOR MUST CONFIRM ALL THESE DIMENSIONS AND SIZES WITH THE MECHANICAL CONTRACTOR.
3. OWSJ MUST BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS.
4. IF ACTUAL LOCATIONS OR DETAILS VARY FROM THOSE SHOWN, THE STRUCTURAL CONSULTANT MUST BE INFORMED AND INSTRUCTIONS RECEIVED BEFORE PROCEEDING WITH THE WORK.
5. THE STRUCTURAL STEEL SUB-CONTRACTOR IS TO SUBMIT ERECTION DRAWINGS TO THE MECHANICAL ENGINEER AND/OR CONTRACTOR FOR APPROVAL OF SIZE AND LOCATION OF OPENINGS FOR MECHANICAL UNITS.

PLAN: FLOOR OPENINGS (NEW/EXISTING)

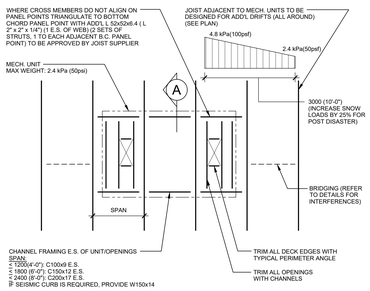


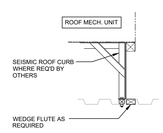
SECTION: FLOOR OPENINGS (NEW/EXISTING)



OPENINGS THROUGH FLOOR SLAB DETAIL

D05-6 TYPICAL DETAILS FOR TRIMMING TO FRAMING OF ROOF TOP UNITS

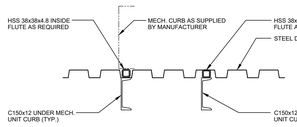




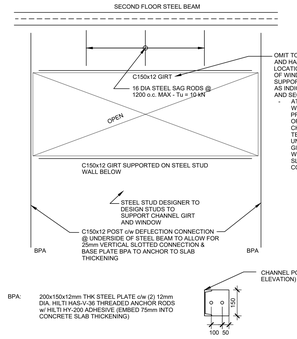
SECTION A

NOTES:

1. DIMENSIONS TO SUIT UNIT ROOF MOUNTING FRAME.
2. REFER TO MECH./ARCH. DWGS FOR SIZE, NUMBER & LOCATION OF UNITS.
3. WEDGE ALL FLUTES OF THE STEEL ROOF UNDER MECH. UNIT CURBS.
4. IF CHANNELS SUPPORTED FROM OWSJ DO NO INTERSECT JOIST AT TOP CHORD PANEL POINT, THEN PROVIDE ADDITIONAL JOIST WEB DIAGONAL BETWEEN CHANNEL CONNECTION AND NEAREST PANEL POINT ON BOTTOM CHORD. ADDITIONAL DIAGONAL TO BE 19mm Ø BAR OR EQUAL (TO APPROVAL OF JOIST DESIGNER).
5. MECHANICAL CONTRACTOR TO DESIGN AND PROVIDE ANCHORAGE TO CHANNELS FOR SEISMIC FORCES.
6. ALL DETAILS ARE SUBJECT TO CONFIRMATION BY STRUCTURAL ENGINEER UPON REVIEW OF FINAL MECHANICAL SHOP DRAWINGS.



DETAIL: TYPICAL SHIM AT MECHANICAL UNITS



BPA: 200x150x12mm THK STEEL PLATE c/w (2) 12mm DIA. HILTI HAS-V-36 THREADED ANCHOR RODS w/ HILTI HY-200 ADHESIVE (EMBED 75mm INTO CONCRETE SLAB THICKENING)

DETAIL: FIRST FLOOR FRAMING FOR 4m WIDE x 2m WINDOW OPENINGS (TYPICAL)

D06 WOOD

D06-1 GENERAL

1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. WOOD TRUSSES, PRE-ENG. JOISTS, STAIRS, BRIDGING AND BRACING DESIGN SHALL CONFORM TO CAN/CSA 086-19 FOR ENGINEERING IN WOOD-LIMIT STATES DESIGN. DESIGN AND DETAIL ANCHORAGE FOR WIND UPLIFT FORCES IN ACCORDANCE WITH ONTARIO BUILDING CODE REQUIREMENTS.
3. MAXIMUM DEFLECTION UNDER TOTAL LOAD SHALL NOT EXCEED 1/240 OF THE SPAN; DEFLECTION NOT EXCEED 1/360 OF THE SPAN UNDER LIVE LOAD OR L/480 FOR FLOORS.
4. TRUSS/PRE-ENG JOIST/STAIR SHOP DRAWINGS SHALL BE SINGLE SOURCE AND SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR DESIGN AND LICENSED TO PRACTICE IN ONTARIO.
5. SUBMIT DESIGN BRIEFS AND SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THE TRUSSES/PRE-ENG. JOISTS.
6. HOIST TRUSSES INTO POSITION IN ACCORDANCE WITH DESIGN DRAWINGS.
7. PROVIDE TEMPORARY HORIZONTAL CROSS BRACING TO HOLD TRUSSES AND FRAMING PLUMB AND IN SAFE CONDITION UNTIL PERMANENT BRACING IS INSTALLED.
8. INSTALL PERMANENT BRACING AND RELATED COMPONENTS PRIOR TO APPLICATION OF LOADS TO TRUSSES.
9. DO NOT CUT OR REMOVE ANY TRUSS/MEMBER.
10. NAILS SHALL BE ZINC COATED CONFORMING TO CSA B111.
11. FOLLOW THESE DETAILS AND NOTES UNLESS OTHERWISE NOTED ON THE PLANS AND SECTIONS.

D06-4 GLUED LAMINATED TIMBER- GLULAM (GL)

1. GLULAM MEMBERS SHALL BE DOUGLAS FIr ,24F-E (24F-EX FOR CANTILEVER OR CONTINUOUS BEAMS) STRESS GRADE WITH QUALITY APPEARANCE GRADE. INDUSTRIAL APPEARANCE GRADE MAY BE USED WHERE BEAMS ARE TO BE CONCEALED U.N.O. PLANS.
2. GLULAM MANUFACTURER MUST QUALIFY UNDER CAN/CSA-0177-06 (R2011).
3. SUBMIT 4 SETS OF SHOP DRAWINGS SHOWING ALL APPLICABLE DETAILS AND MATERIAL SPECIFICATIONS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE TO MANUFACTURING STANDARD.
4. AFFIX AUTHORIZED LABEL TO ALL MEMBERS SUPPLIED. ALSO IDENTIFY EACH MEMBER WITH MARK NUMBER.
5. STORE GLULAM OFF THE GROUND WITH SPACER BLOCKS PLACED BETWEEN MEMBERS. KEEP WRAPPING ON THE MEMBERS UNTIL PERMANENT PROTECTION FROM THE WEATHER IS IN PLACE BUT CUT HOLES ON UNDERSIDE OF WRAPPING TO PREVENT THE ACCUMULATION OF CONDENSATION.
6. ALL PRESSURE TREATED GLULAM TO BE TREATED ACCORDING TO CAN/CSA-080 SERIES-97 (R2002 "WOOD PRESERVATION". ALL CUTTING AND DRILLING TO BE COMPLETED BEFORE THE TREATMENT. FIELD APPLY PRESERVATION TO EQUIVALENT STANDARD, TO ALL AREAS CUT OR DRILLED.
7. ALL GLULAM SHOP DWGS TO BE STAMPED BY PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE THE WORK IS TO BE DONE IN.

D06-5 GLULAM RIVET CONNECTIONS

1. ALL GLULAM RIVETS TO BE 90mm (3 1/2") LONG HOT DIPPED GALVANIZED. MATERIAL AND INSTALLATION TO BE PER CSA 086-14.
2. ALL STEEL PLATES TO BE 6.4mm (1/4") THICK, PRIMED UNLESS NOTED OTHERWISE.
3. HOLES FOR GLULAM RIVETS TO BE SPACED 25mm (1") HORIZONTAL & VERTICAL (TYP.) WITH MIN. EDGE DISTANCES AS FOLLOWS:
   - GLULAM RIVET TO STEEL PLATE EDGE 13mm (1/2")
   - GLULAM RIVET TO WOOD EDGE 25mm (1")
4. DIAMETER OF HOLES FOR GLULAM RIVETS TO BE 6.7mm MIN. AND 7.0mm MAX.
5. ORIENT LONG DIMENSION OF RIVETS PARALLEL TO WOOD GRAIN.
6. INSTALLATION PROCEDURE FOR GLULAM RIVETS:
   - GLULAM RIVETS AT THE PERIMETER OF THE GROUP TO BE DRIVEN FIRST. SUCCESSIVE GLULAM RIVETS TO BE INSTALLED IN A SPIRAL PATTERN FROM THE OUTSIDE TO THE CENTER OF THE GROUP.
7. DO NOT HAMMER RIVET FLUSH WITH THE STEEL PLATE. RIVET HEADS TO PROJECT 3mm (1/8") ABOVE THE STEEL PLATE SURFACE.

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

GENERAL NOTES AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	N.T.S.
PROJECT No:	25-1157

DRAWING No.

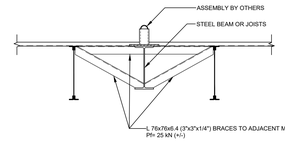
S002

2026-04-22 4:10:10 PM

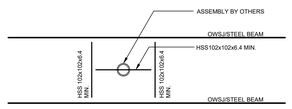
The Contractor shall check and verify all dimensions on site. This drawing is not to be used for construction unless stamped and signed by the Engineer. Do not scale drawings. Copyright reserved. This drawing is the exclusive property of BPA.

GENERAL NOTES AND DETAILS

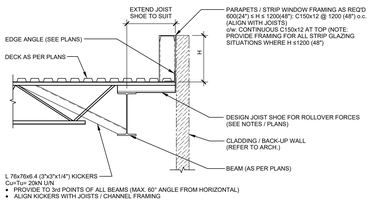
TYPICAL STEEL DETAILS



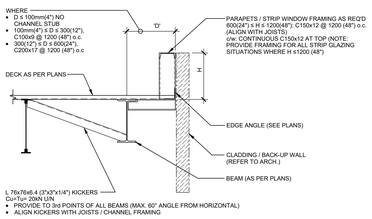
TYPICAL ROOF SAFETY ANCHOR AT BEAM/JOIST



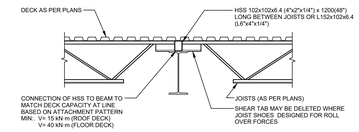
TYPICAL ROOF SAFETY ANCHOR PLAN BETWEEN BEAMS/JOIST



JOIST AT EDGE PARAPET DETAIL (TYP.)

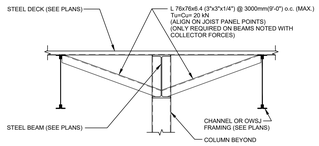


BEAM AT EDGE PARAPET DETAIL (TYP.)

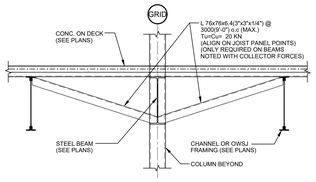


TYPICAL SHEAR TAB

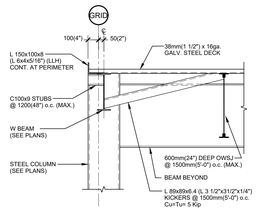
PROVIDE ON ALL BRACE FRAME / MOMENT FRAME LINES U/N



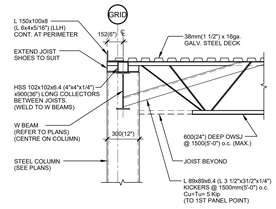
ROOF COLLECTOR BEAM STABILIZERS



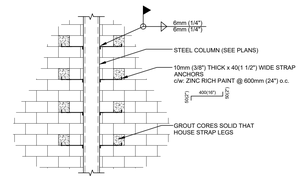
DETAIL: FLOOR: COLLECTOR BEAM STABILZERS



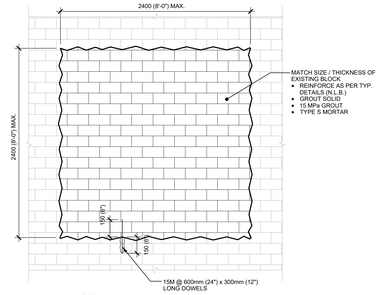
SECTION: ROOF EDGE PARALLEL TO JOISTS



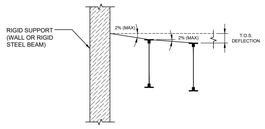
SECTION: ROOF EDGE PERPENDICULAR TO JOISTS



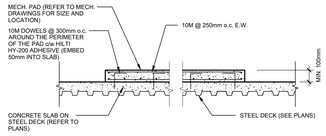
MASONRY TIES AT STEEL COLUMN



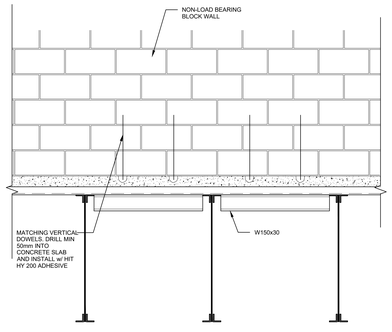
BLOCK INFILL



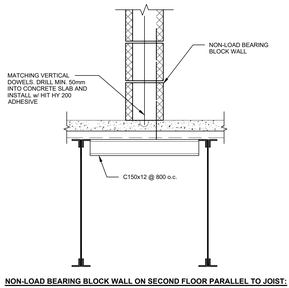
DETAIL: OWSJ DEFLECTION LIMITATION ADJACENT TO RIGID SUPPORTS



TYPICAL SECTION @ HOUSEKEEPING PAD ON STEEL DECK:



NON-LOAD BEARING BLOCK WALL ON SECOND FLOOR PERP. TO JOIST:



NON-LOAD BEARING BLOCK WALL ON SECOND FLOOR PARALLEL TO JOIST:

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3	26/04/23	ISSUED FOR TENDER	WL
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PROJECT NORTH

STAMP

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3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

GENERAL NOTES AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	N.T.S.
PROJECT No:	25-1157

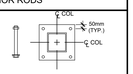
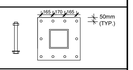
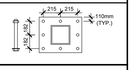
DRAWING No.

S003

2026-04-22 4:10:10 PM

GENERAL NOTES AND DETAILS

BASEPLATE SCHEDULE

MARK	SIZE (LxWxTH)	ANCHOR RODS
Bt1	400 x 400 x 25	4-19mm Ø A307 BOLT (450 EMBEDMENT) 
Bt2	600 x 600 x 32	10-1" Ø HEAVY HEX BOLT, F593 304/316SS c/w 125x125x12mm THICK WASHER c/w NUT (800 EMBEDMENT) PROVIDE ADDʼL 5-25M E/W @ TOP 
Bt3	650 X585 X 32	8-7/8" Ø HEAVY HEX BOLT, F593 304/316SS c/w 125x125x12mm THICK WASHER c/w NUT (800 EMBEDMENT) PROVIDE ADDʼL 5-25M E/W @ TOP 

NOTES:

1. LENGTH OF ANCHORS IS EMBEDMENT LENGTH. FABRICATOR TO PROVIDE ADDITIONAL LENGTH AS REQUIRED FOR THREADS/TOLERANCES, ETC.
2. ALL ANCHORS TO BE CAST-IN (CONCRETE) OR GROUTED INTO PLACE (MASONRY).
3. PROVIDE MIN. 25(1") THICK GROUT BED BELOW BASE PLATE U/N.
4. SEISMIC HEADED ANCHORS: FOLLOWING OUTLINES MINIMUM WASHER PLATE (c/w: NUT ABOVE/BELOW PLATE-TACK WELD NUT TO PLATE) SIZES FOR BOLT ENDS:

16mmØ: 52x52x16mm	(5/8"Ø: 2"x2"x5/8")
19mmØ: 63x63x16mm	(3/4"Ø: 2 1/2"x2 1/2"x5/8")
25mmØ: 76x76x20mm	(1"Ø: 3"x3"x3/4")
28mmØ: 82x82x20mm	(1 1/8"Ø: 3 1/4"x3 1/4"x3/4")
32mmØ: 89x89x20mm	(1 1/4"Ø: 3 1/2"x3 1/2"x3/4")
38mmØ: 102x102x20mm	(1 1/2"Ø: 4"x4"x3/4")

5. ANCHOR BOLT EMBEDMENT LENGTHS HAVE BEEN DEVELOPED IN ACCORDANCE WITH CAN/CSA A23.3-04 CLAUSES 7.1.4, ANNEX D, 12.2, AND 21.2.7. DEPTHS ARE BASED ON MINIMUM EMBEDMENT AND THE DEVELOPMENT OF THE PIER REINFORCING STEEL IN TENSION ABOVE THE CONE OF FAILURE CREATED BY THE BOLT HEAD.
6. FOR OFFSET BASEPLATES COORDINATE WITH ARCH.
7. ANCHOR BOLT PATTERN IS CENTERED ON PIERS U/N.

LOOSE LINTEL SCHEDULE - 90mm BRICK MASONRY

SIZE	SPAN (mm)	BEARING (mm)
L 90x90x6.4	< 1200	BEARING 150mm
L 102x90x7.9 (LLV)	< 1800	BEARING 150mm
L 127x90x7.9 (LLV)	< 2400	BEARING 150mm
L 152x102x10 (LLV)	< 3000	BEARING 150mm
L 178x102x9.5 (LLV) (1)	< 4000	BEARING 150mm

NOTES:

1. L178x102x9.5 (LLV) MAY ONLY BE USED WHERE <600mm OF BRICK SUPPORTED ABOVE.
2. ALL LOOSE LINTELS TO BE HOT DIP GALVANIZED U/N AT EXTERIOR CONDITIONS U/N. PROVIDE MIN. 150mm (6") BEARING EACH END.
3. PROVIDE LOOSE LINTELS ABOVE ALL MASONRY CLADDING OPENINGS U/N.
4. ALL INTERIOR ANGLES TO BE PRIMED.

STEEL COLUMN SCHEDULE

MARK	SIZE	DESCRIPTION
SC1	HSS 152x152x7.9	
SC2	HSS 152x152x13	
SC3	HSS 203x203x13	

NOTES

1. REFER TO PLANS FOR ELEVATIONS AND ORIENTATIONS.
2. ALL HSS COLUMNS TO BE CLASS 'C' A500.
3. CONTRACTOR TO COORDINATE LENGTHS OF COLUMN BEARING AT PIERS AND INTERIOR FOOTINGS

WOOD COLUMN SCHEDULE

MARK	SIZE	DESCRIPTION
WC1	265x266 GLULAM	

NOTES

1. ALL COLUMNS TO BE SPF 20F-EX

WALL PLATE SCHEDULE

TAG	SIZE	NOTES
WPL1	300x180x16	2-15M x 400 LG WELDED REBAR
WPL2	400x180x25	2-15M x 400 LG WELDED REBAR
WPL3	300x180x25	2-15M x 400 LG WELDED REBAR
WPL5	400x230x25	2-15M x 600mm WELDED REBAR
WPL6	400x230x25	2-15M x 400 LG WELDED REBAR
WPL7	600x180x40	3-15M x 400 LG WELDED REBAR

NOTES:

1. ANCHORS TO BE CENTERED ON PLATE & SPACED @ 200mm o.c. ENSURE TO COORDINATE SO ANCHORS ALIGN WITH CORE VOIDS IN BLOCK U.N.O. ENSURE WALL IS GROUTED BELOW PLATES AND POCKET IS GROUTED SOLID AFTER INSTALLATION.

MASONRY LINTEL SCHEDULE

MARK	SIZE	REINFORCING
L1	240x390 DP. c/w 200mm BEARING EA SIDE	1-15M T. & B.
L2	240x590 DP. c/w 200mm BEARING EA SIDE	1-15M T. & B.
L3	240x790 DP. c/w 200mm BEARING EA SIDE	2-20M B 2-15M T 1-15M MID 10M @ 200 STIRRUPS
L4	190x590 DP. c/w 200mm BEARING EA SIDE	20M T&B 10M STIRRUPS @ 200
L5	240x300 DP. c/w 200mm BEARING EA SIDE	1-15M T& B.

NOTES:

1. SEE ELEVATIONS/DETAILS AND PLAN NOTES.
2. ALL LINTELS TO USE LINTEL BLOCKS FOR BOTTOM COURSE AND LOW WEB BLOCKS FOR REMAINING
3. GROUT LINTEL SOLID AND VERTICAL CELL BELOW BEARING EACH END. PROVIDE MIN. 1-20M VERT IN EACH VERTICAL CELL LOCATED UNDER BEARING OF LINTEL EACH END.
4. ENSURE TO PLACE VERT WALL REINFORCING IN LINTEL AND EXTEND HORIZONTAL REINFORCING THROUGH LINTEL.
5. ALL STIRRUPS TO BE HOOKED 180 DEG T&B

CONCRETE BLOCK SHEAR WALL SCHEDULE

WALL ID	BLOCK THICKNESS	GROUT PATTERN	REINFORCING	BLOCK STRENGTH (20MPa U.N.O
MSW1	290mm	SEE NOTE 8 BELOW	VERT: 1-20M @ 800 o.c. HOR: HDMR @ 200 o.c. + BOND BEAM @1200 o.c.(1-20M IN BOND BEAM)	30 MPa

NOTES:

1. CONTROL JOINTS SHALL NOT BE LOCATED DIRECTLY UNDER JOISTS OR WALL BEARING PLATES. PROVIDE SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION
2. ALL HORIZONTAL BOND BEAMS TO USE LOW WEB BLOCKS
3. ALL BOND BEAMS TO BE GOVERNED BY SHEAR REINFORCING IN WALL (MIN 1-20M HORIZONTAL
4. ALL BOND BEAMS TO BE CONTINUOUS OVER CONTROL JOINTS
5. REFER TO 4-1.17 ON S002 FOR WALL DOWELS. DOWELS TO MATCH VERTICAL REINFORCING.
6. ENSURE ALL VERTICAL DOWELS ARE CONTINUOUS IN WALL. LAP AS REQUIRED AT FLOOR LEVELS. PROVIDE FULL WELDS TO BASE PLATE ON EITHER SIDE IF INTERRUPTED.
7. FOR WALLS INDICATING ADDITIONAL VERTICALS @ MIDDLE 1/3 OF WALL. ENSURE TO PROVIDE DOWELS AND VERTS FOR THE GOVERNING CASE FOR VERTICALS, PROVIDE HL2 AND HORIZONTAL REBAR AS PER REMAINDER OF WALL
8. GROUT CORES SOLID AT VERTICAL REINFORCING, BOND BEAMS, AND AT ANCHORAGE AND BEARING LOCATIONS
9. PROVIDE GROUT STRENGTH THAT MATCHES BLOCK STRENGTH AS SPECIFIED IN SCHEDULE
10. HDMR = HEAVY DUTY MASONRY REINFORCEMENT 2-7 GAUGE (4.76mm) LONGITUDINAL WIRES, 9 GUAGE CROSS OR DIAGONAL WIRE

FOUNDATION WALL SCHEDULE

MARK	DESCRIPTION	SIZE (W)	NOTES
FW1	TYPICAL EXTERIOR FOUNDATION WALL (APPLIES TO ALL FOUNDATION WALLS OF BASEMENT)	425mm TOTAL (REFER TO ARCH)	**300 WIDE FOUNDATION WALL** 15M @ 400 H.E.F. 15M @ 400 V.E.F. + DWLS 20M H.E.F. ADDʼL @ TOP (SEE SECTION) f'c = 35 MPa, N
FW2	ELEVATOR WALL	300mm (REFER TO ARCH)	15M @ 400 H.E.F. 15M @ 400 V.E.F. + DWLS 20M H.E.F. ADDʼL @ TOP (SEE SECTION) f'c = 35 MPa, N

NOTES:

1. CONCRETE STRENGTHS: U/N: (MIN.)
   - FROST WALLS (NO BASEMENT): 30 MPa, F-1
   - RETAINING WALLS: 35 MPa, C-1
2. SEE SECTIONS / TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
3. ALL WALLS TO BE CONTINUOUS IN VERTICAL / HORIZONTAL BARS
   - RETAINING WALLS:
     - HORIZ. BARS: CLASS 'B' TENSION LAP (TOP BARS)
     - VERTICAL BARS: V.I.F. (HIGH SIDE): CLASS 'B' TENSION LAP (TOP BARS).
       V.O.F. (LOW SIDE): CLASS 'B' TENSION LAP (BOT. BARS)
   - OTHER WALLS (NOT SHEAR WALLS / BASEMENT / AREAWELL):
     - HOR. / VERT. BARS: CLASS 'B' TENSION LAP (BOT. BARS)
   - ALL WALLS:
     - HOOK ALL VERTICALS 90° INTO TOP OF SLAB AT TERMINATION
       V.I.F.: BEND IN 24 BAR Ø MIN. 450mm
       V.O.F.: BEND IN 48 BAR Ø MIN. 700mm
     - PROVIDE STANDARD 90° HOOKS TO HORIZONTALS AT ALL CORNERS / INTERSECTIONS
4. PROVIDE SHEAR KEY AT TOP / BOTTOM OF ALL LIFTS.
5. PROVIDE DOWELS TO MATCH VERTICALS IN ALL FOOTINGS.
6. LAYERING OF BARS:

7. REFER TO S300 DRAWINGS FOR SHEAR WALLS / CORE WALLS. SCHEDULE IS FOR WALLS THAT ARE NOT PART OF SFRS.
8. REFER TO ARCH. FOR STEPS IN FOUNDATION WALLS.

FOOTING SCHEDULE

FOOTING DESIGN IN ACCORDANCE w/ EXP GEOTECHNICAL INVESTIGATION REPORT PROJECT NUMBER: OTT-25006968-A0 DATED NOVEMBER 10, 2025
ULS = 225 kPA & SLS = 150 kPA

MARK	SIZE WIDE x DEPTH x THICKNESS	REINFORCING
F1	1500x1500x500mm	8-15M (B) E/W qSLS = 150kPa qULS< 225kPa
F2	2000x2000x500mm	9-20M (B) E/W qSLS = 150kPa qULS< 225kPa
F3	SEE PLAN FOR DIMENSION x700mm	25M (B) @ 300 c/c E/W 20M (T) @ 200 c/c E/W qSLS < 150kPa qULS< 225kPa
F4	SEE PLAN FOR DIMENSION x 600mm	20M (B) @ 200 c/c E/W 20M (T) @ 200 c/c E/W qSLS < 150kPa qULS< 225kPa
SF1	1500mm WIDE x 700mm	25M (B) @ 250 c/c TRANSVERSE (BLL) 5-25M CONTINUOSU (BLL) qSLS < 150kPa qULS< 225kPa

NOTES:

1. ALL FOOTINGS TO BEAR ON SUITABLE BEARING STRATA AS APPROVED BY GEOTECHNICAL ENGINEER/IN ACCORDANCE WITH GEOTECHNICAL REPORT WITH MINIMUM BEARING PRESSURES NOTED IN TABLE.
2. PROVIDE MINIMUM 1800(6'-0") FROST COVER TO ALL FOOTINGS EXPOSED TO EXTERIOR CONDITIONS U/N ON DRAWINGS/GEOTECHNICAL REPORT.
3. CONCRETE STRENGTH: f'c = 35 MPa, N, U/N
4. TOPS OF INTERIOR FOOTINGS/WALLS/PIERS TO BE A MINIMUM OF 330(12") BELOW THE TOP OF THE SLAB ON GRADE. STEP DOWN INTERIOR FOOTINGS TO EXTERIOR FOOTINGS AS REQUIRED. FINAL BEARING ELEVATIONS TO BE BASED ON GEOTECHNICAL REPORT DATA U/N.
5. FOOTING AND BOTTOM OF WALL ELEVATIONS TO BE ESTABLISHED FROM PLANS AND GEOTECHNICAL REPORT. WALLS/COLUMNS ARE TO BE TERMINATED SUCH THAT THEY ARE FOUNDED ON SUITABLE BEARING STRATA (WITH APPROPRIATE FROST COVER) APPROVED BY GEOTECHNICAL ENGINEER ON SITE. REFER ALSO TO GEOTECHNICAL REPORT.
6. FOOTINGS ARE TO BE LOWERED AS REQUIRED IN THE AREAS OF PITS/SHAFTS AT FOUNDATION LEVEL SUCH THAT THE U/S OF THE PIT/SHAFT IS AT THE TOP OF THE FOOTING. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ELEVATIONS/STEPS IN FOOTINGS. CONTRACTOR IS REQUIRED TO PREPARE FOOTING ELEVATION DRAWINGS PRIOR TO EXCAVATION.

PIER SCHEDULE

MARK	SIZE (mm)	REINFORCING
P1 (INTERIOR GRAVITY PIER)	500x500	12-25M VERT. 3-10M CLOSED TIES @ 200c/c + ADDʼL TIE GROUP @ TOP (SEE NOTE 6)
P2 (INTERIOR BRACE PIER)	830x830	16-25M VERT. 3-15M CLOSED TIES @ 200c/c + ADDʼL TIE GROUP @ TOP (SEE NOTE 6)
P3 (FOUNDATION WALL GRAVITY PIER)	700x635	14-25M VERT. 3-15M CLOSED TIES @ 200c/c + ADDʼL TIE GROUP @ TOP (SEE NOTE 6)
P4 (FOUNDATION WALL BRACE PIER)	700x635	14-25M VERT. 3-15M CLOSED TIES @ 150c/c + ADDʼL TIE GROUP @ TOP (SEE NOTE 6)

NOTES:

1. TOPS OF PIERS TO BE -300mm (-12") BELOW TOP OF SLAB ON GRADE (U.N.O.).
2. TOPS OF EXTERIOR PIERS TO BE AT +/- 150mm ABOVE FINISHED GRADE (REFER TO ARCH.)
3. PIERS DIMENSIONS ARE TO BE CENTRED ON SUPPORTED COLUMNS (U.N.O.). INCREASE CONCRETE SIZE TO SUIT FOUNDATION WALL OFFSETS.
4. VERTICAL BARS IN PIERS MAY BE LAPPED WITH COMPRESSION LAPS WHERE NO BRACE/MOMENT FRAMES ARE PRESENT. WHERE BRACE/MOMENT FRAMES ARE PRESENT VERTICAL BARS ARE TO BE EXTEND TO FULL HEIGHT ABOVE FOOTING TO TOP OF PIERS (NO LAPS ARE PERMITTED UNLESS APPROVED BY ENGINEER IN WRITING). CLASS 'B' TENSION LAPS (MIN. 1.5*d*) MAY BE USED WHERE HEIGHT OF PIER EXCEEDS 2400 (8'-0").
5. CONCRETE STRENGTH: f'c = 35 MPa
   EXTERIOR OR EXTERIOR WALL: CLASS C-1
   INTERIOR: CLASS C-1
6. PROVIDE 3 ADDʼL GROUP TIES @ 100mm (4") TOP
7. DOWELS TO MATCH VERTICAL REINFORCEMENT

TESTING AND INSPECTION

THE FOLLOWING ITEMS REQUIRE TESTING OR INSPECTION BY A CERTIFIED INDEPENDENT TESTING OR INSPECTION AGENCY UNLESS NOTED OTHERWISE. THE AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS TO THE ENGINEER FOR REVIEW.

ITEM	REQ'D	COMMENTS
SOIL BEARING CAPACITY	YES	BY SOILS ENGINEER
REINFORCING STEEL PLACEMENT	YES	INSPECT FINAL PLACEMENT
CONCRETE COMPRESSIVE TESTS	YES	MIN. 2 SETS PER 100 CUBIC METRES
CONCRETE SLUMP	YES	
STRUCTURAL STEEL BOLTING	YES	
STRUCTURAL STEEL WELDING	YES	INSPECT ALL FIELD WELDS
MORTAR CUBES	YES	

REQUIRED SUBMITTALS

THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

ITEM	REQ'D SUBMITTAL	ENGINEER'S STAMP REQ'D	NOTES
REBAR SHOP DRAWINGS	YES	NO	
CONCRETE MIX DESIGNS	YES	NO	
MASONRY GROUT MIX DESIGN	YES	NO	
BLOCK MILL REPORT	YES	NO	
STRUCTURAL STEEL SHOP DRAWINGS	YES	YES	FOR CONNECTIONS ONLY
ENGINEERED LUMBER / WOOD TRUSSES	YES	YES	
MISCELLANEOUS STEEL SHOP DRAWINGS	YES	YES	STAMP FOR STAIRS, LADDERS AND GUARDS
STEEL DECK SHOP DRAWINGS	YES	YES	
FALL ARREST ANCHORS	YES	YES	
SEISMIC RESTRAINT OF NON-STRUCTURAL ITEMS	YES	YES	
STEEL STUDS	YES	YES	
OWSJ JOIST SHOP DRAWINGS	YES	YES	

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No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

SCHEDULES AND SCHEDULE NOTES

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	N.T.S.
PROJECT No:	25-1157

DRAWING No.

S004

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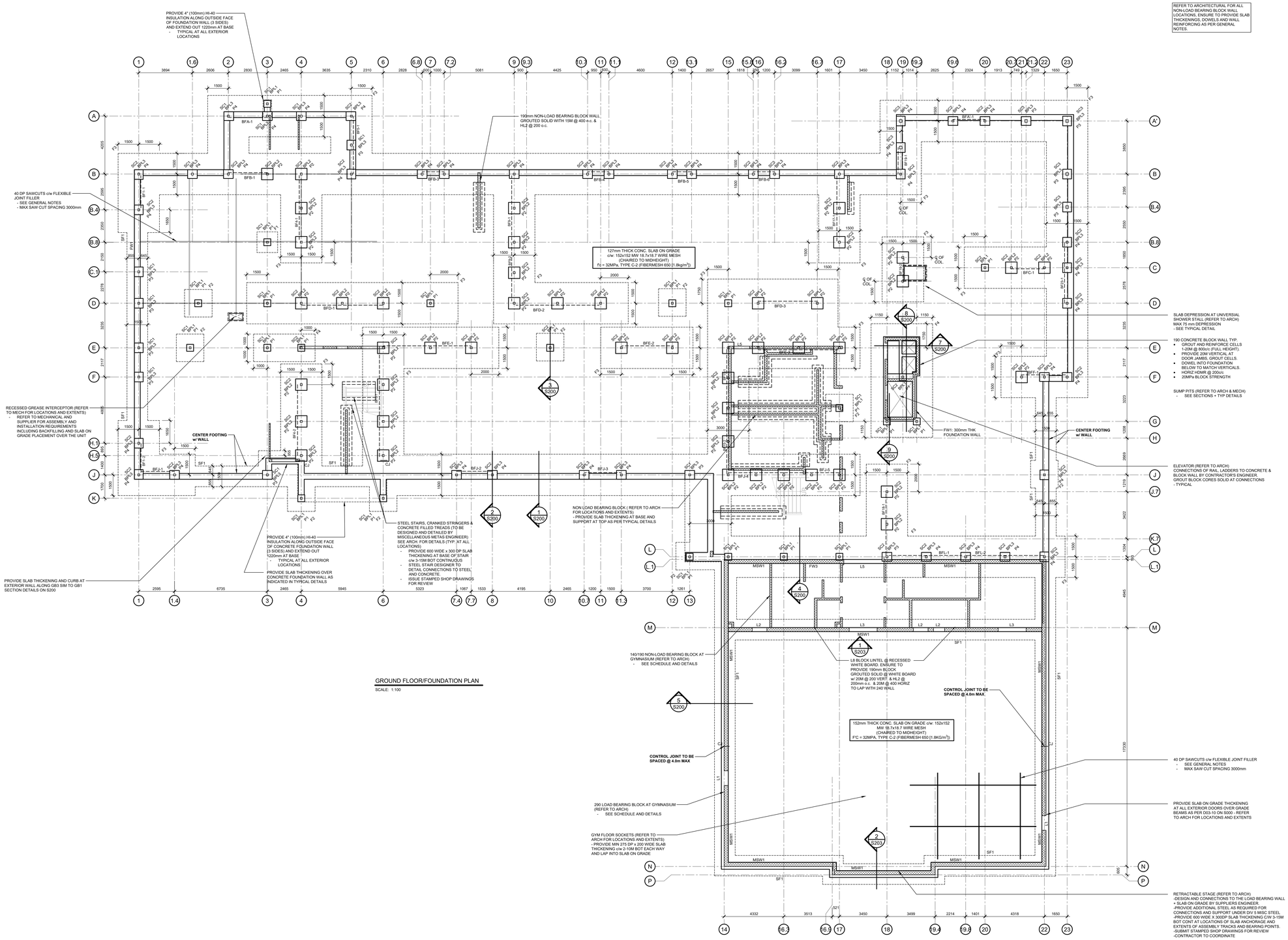
REFER TO ARCHITECTURAL FOR ALL NON-LOAD BEARING BLOCK WALL LOCATIONS, ENSURE TO PROVIDE SLAB THICKENINGS, DOWELS AND WALL REINFORCING AS PER GENERAL NOTES.



GROUND FLOOR/FOUNDATION PLAN

SCALE: 1:100

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

FOUNDATION/GROUND FLOOR PLAN

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
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PROJECT No:	25-1157

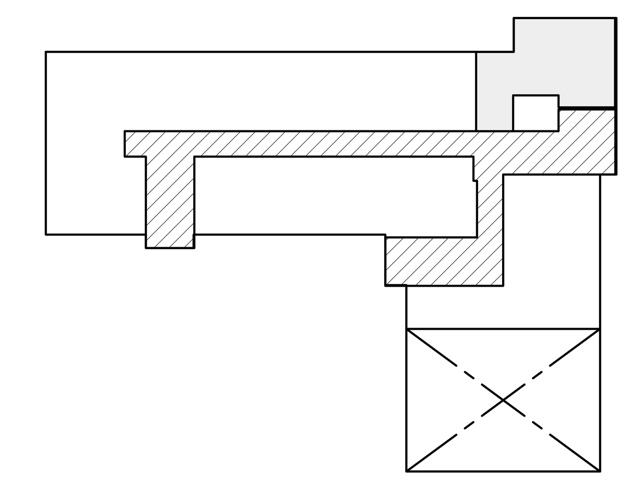
DRAWING No.

S100

2026-04-22 4:10:10 PM

SECOND FLOOR:

DEAD:	FLOORING	0.10kPa
	PARTITIONS	1.00kPa
	89mm CONC ON 38mm STEEL DECK	2.45kPa
	STRUCTURAL STEEL	0.30kPa
	CEILING	0.30kPa
	FIRE PROOFING	0.10kPa
	MECH/ ELECT	0.30kPa
TOTAL:		4.55kPa
LIVE:	CLASSROOM/ WASHROOM:	2.40kPa
	STAIRS, CORRIDORS, STORAGE, MECH:	4.80kPa
	LIBRARY:	7.20kPa

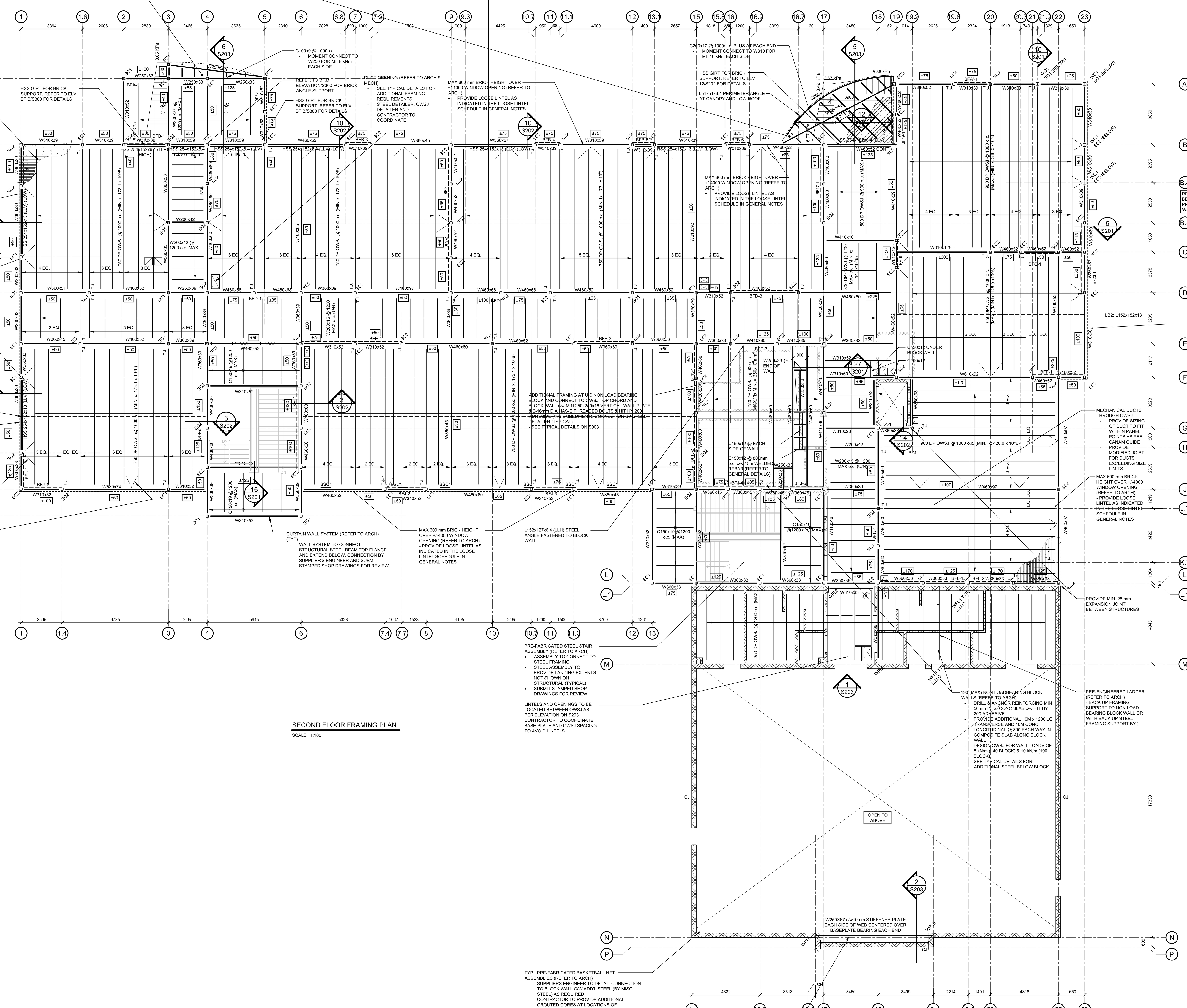


DESIGN LOADS FLOORS:

2.4kPa CLASSROOM/ WASHROOM

4.8kPa ASSEMBLY/ STORAGE/ EXIT CORRIDORS ETC.

7.2kPa LIBRARY



38mm x 1.21 GALV STEEL DECK (TYP. AT ROOF) c/w:
- HILTI X-HSN 24 OR X-ENP-19 FASTENERS AS SPECIFIED BELOW
- 36/ 7 PATTERN (EVERY FLUTE)
- SIDE LAP WITH HILTI S-SLC 01 M HWH SIDE LAP CONNECTOR @ 300 O.C.

NOTE:
- WHERE BASE METAL THICKNESS IS BETWEEN 1/8" & 3/8" (TYPICAL BAR JOIST) USE X-HSN 24 FASTENERS
- WHERE BASE METAL THICKNESS IS GREATER THAN 1/4" (STRUCTURAL STEEL) USE X-HSN 19 FASTENERS

127 CONC. (TOTAL) ON 38mm x 0.91 COMPOSITE STEEL DECK (TYP. AT FLOOR) CANAM P3615 OR APPROVED EQUVALENT
- 19mm PUDDLE WELD (36/4 PATTERN)
- BUTTON PUNCH SIDE LAP @ 150mm o.c.

* PUDDLE WELD REQUIRED ON SECOND FLOOR AS PER ULC D949*
- PROVIDE 152x152 MW18.7x18.7 WIRE MESH IN CONCRETE ON STEEL DECK

L102x102x6.4 BRACING AT TOP OF COLUMNS (TYP)
- CONNCECT FOR Tf=Cf=20kN TO COLUMNS & ADJACENT TOP CORDS OF OWSJ AT 1:1 ANGLE
- AT LOCATIONS WITH NO BEAM/ JOIST SUPPORT IN ONE DIRECTION

STEEL COLUMN AT GIRT SUPPORT ON GRID C & F
- PROVIDE 50mm VERTICAL SLOTTED CONNECTION AT U/S OF LEVEL 2 BEAM

(MIN) BRIDGING BETWEEN JOISTS. INCREASE NUMBER AS REQUIRED TO SUIT FABRICATOR'S DESIGN

L127x127x6.4 AT PERIMETER (TYP)

BEAM BOTTOM FLANGE SUPPORTS:
- PROVIDE BOTTOM FLANGE STABILIZERS TO ALL BEAMS ALONG MOMENT / BRACE FRAME LINES (COLLECTOR BEAMS) @ 3000 o.c. (MAX.) (MIN. 1 PER BEAM)
- GRAPHICALLY SHOWN ONLY
- JOISTS PERPENDICULAR:
  - EXTEND BOTTOM CHORD TO BOTTOM FLANGE/ WEB INTERSECTION OR PROVIDE KICKER AS PER JOIST PARALLEL TO TOP CHORD OWSJ
  - CONNECT TO BEAM FOR Tf = Cf = 20 kN
- JOISTS PARALLEL
  - CONTRACTOR TO PROVIDE L102x102x6.4 KICKERS FROM BOTTOM FLANGE/ WEB INTERSECTION TO JOIST TOP CHORD (AT PANEL POINT)
- REFER TO TYPICAL DETAILS

HSS GIRT FOR BRICK SUPPORT. REFER TO ELV BF.B/S300 FOR DETAILS

C100x9 @ 1000o.c.
- MOMENT CONNECT TO W250 FOR Mf=8 kNm EACH SIDE

REFER TO BF.B ELEVATION/S300 FOR BRICK ANGLE SUPPORT

HSS GIRT FOR BRICK SUPPORT. REFER TO ELV BF.B/S300 FOR DETAILS

DUCT OPENING (REFER TO ARCH & MECH)
- SEE TYPICAL DETAILS FOR ADDITIONAL FRAMING REQUIREMENTS
- STEEL DETAILER, OWSJ DETAILER AND CONTRACTOR TO COORDINATE

MAX 600 mm BRICK HEIGHT OVER +/-4000 WINDOW OPENING (REFER TO ARCH)
- PROVIDE LOOSE LINTEL AS INDICATED IN THE LOOSE LINTEL SCHEDULE IN GENERAL NOTES

C200x17 @ 1000o.c. PLUS AT EACH END
- MOMENT CONNECT TO W310 FOR Mf=10 kNm EACH SIDE

HSS GIRT FOR BRICK SUPPORT. REFER TO ELV 12/S202 FOR DETAILS

L51x51x6.4 PERIMETER ANGLE AT CANOPY AND LOW ROOF

MAX 600 mm BRICK HEIGHT OVER +/-4000 WINDOW OPENING (REFER TO ARCH)
- PROVIDE LOOSE LINTEL AS INDICATED IN THE LOOSE LINTEL SCHEDULE IN GENERAL NOTES

REFER TO ARCHITECTURAL FOR ALL NON-LOAD BEARING BLOCK WALL LOCATIONS, ENSURE TO PROVIDE SLAB THICKENINGS DOWELS AND WALL REINFORCING AS PER GENERAL NOTES.

LB2: L152x152x13

DOUBLE STOREY WINDOW ASSEMBLY ALONG GRID A' & 23 AT LIBRARY (REFER TO ARCH)
- PROVIDE HSS 152x152x6.4 FOR SUPPORT AT TOP AND BOT OF WINDOW c/w CONT 10mm STEEL PLATE FOR CONNECTION
- WINDOW ASSEMBLY TO CONNECT AT 2ND FLOOR LEVEL FRAMING c/w CONT 10mm STEEL PLATE FOR CONNECTION
- SUBMIT STAMPED SHOP DRAWINGS FOR REVIEW

ADDITIONAL FRAMING AT U/S NON LOAD BEARING BLOCK AND CONNECT TO OWSJ TOP CHORD AND BLOCK WALL c/w MIN 250x250x16 VERTICAL WALL PLATE & 2-16mm DIA HAS-E THREADED BOLTS & HIT HY 200 ADHESIVE (100 EMBEDMENT) CONNECTION BY STEEL DETAILER (TYPICAL)
- SEE TYPICAL DETAILS ON S003

C150x12 @ EACH SIDE OF WALL

C150x12 @ 800mm o.c. c/w 15m WELDED REBAR (REFER TO GENERAL DETAILS)

C150x12 UNDER BLOCK WALL

MECHANICAL DUCTS THROUGH OWSJ
- PROVIDE SIZING OF DUCT TO FIT WITHIN PANEL POINTS AS PER CANAM GUIDE
- PROVIDE MODIFIED JOIST FOR DUCTS EXCEEDING SIZE LIMITS

MAX 600 mm BRICK HEIGHT OVER +/-4000 WINDOW OPENING (REFER TO ARCH)
- PROVIDE LOOSE LINTEL AS INDICATED IN THE LOOSE LINTEL SCHEDULE IN GENERAL NOTES

CURTAIN WALL SYSTEM (REFER TO ARCH) (TYP)
- WALL SYSTEM TO CONNECT STRUCTURAL STEEL BEAM TOP FLANGE AND EXTEND BELOW. CONNECTION BY SUPPLIER'S ENGINEER AND SUBMIT STAMPED SHOP DRAWINGS FOR REVIEW.

MAX 600 mm BRICK HEIGHT OVER +/-4000 WINDOW OPENING (REFER TO ARCH)
- PROVIDE LOOSE LINTEL AS INDICATED IN THE LOOSE LINTEL SCHEDULE IN GENERAL NOTES

L152x127x6.4 (LLH) STEEL ANGLE FASTENED TO BLOCK WALL

PROVIDE MIN. 25 mm EXPANSION JOINT BETWEEN STRUCTURES

PRE-FABRICATED STEEL STAIR ASSEMBLY (REFER TO ARCH)
- ASSEMBLY TO CONNECT TO STEEL FRAMING
- STEEL ASSEMBLY TO PROVIDE LANDING EXTENTS NOT SHOWN ON STRUCTURAL (TYPICAL)
- SUBMIT STAMPED SHOP DRAWINGS FOR REVIEW

LINTELS AND OPENINGS TO BE LOCATED BETWEEN OWSJ AS PER ELEVATION ON S203 CONTRACTOR TO COORDINATE BASE PLATE AND OWSJ SPACING TO AVOID LINTELS

190 (MAX) NON LOADBEARING BLOCK WALLS (REFER TO ARCH)
- DRILL & ANCHOR REINFORCING MIN 50mm INTO CONC SLAB c/w HIT HY 200 ADHESIVE
- PROVIDE ADDITIONAL 10M x 1200 LG TRANSVERSE AND 10M CONC LONGITUDINAL @ 300 EACH WAY IN COMPOSITE SLAB ALONG BLOCK WALL
- DESIGN OWSJ FOR WALL LOADS OF 8 kN/m (140 BLOCK) & 10 kN/m (190 BLOCK)
- SEE TYPICAL DETAILS FOR ADDITIONAL STEEL BELOW BLOCK

PRE-ENGINEERED LADDER (REFER TO ARCH)
- BACK UP FRAMING SUPPORT TO NON LOAD BEARING BLOCK WALL OR WITH BACK UP STEEL FRAMING SUPPORT BY)

OPEN TO ABOVE

W250X67 c/w10mm STIFFENER PLATE EACH SIDE OF WEB CENTERED OVER BASEPLATE BEARING EACH END

TYP. PRE-FABRICATED BASKETBALL NET ASSEMBLIES (REFER TO ARCH)
- SUPPLIERS ENGINEER TO DETAIL CONNECTION TO BLOCK WALL C/W ADD'L STEEL (BY MISC STEEL) AS REQUIRED
- CONTRACTOR TO PROVIDE ADDITIONAL GROUTED CORES AT LOCATIONS OF BASKETBALL NET CONNECTIONS
- PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW
- CONTRACTOR TO COORDINATE

RETRACTABLE SCREEN AT STAGE AND BUILT UP STEEL STUDS (REFER TO ARCH) LIGHT GAGE STEEL STUD ASSEMBLY BY STEEL STUD DETAILER. PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW
- RETRACTABLE SCREEN TO BE ANCHORED TO STRUCTURE BY CONTRACTOR'S ENGINEER. GROUT BLOCK CORES SOLID AT CONNECTIONS

SECOND FLOOR FRAMING PLAN

SCALE: 1:100

The Contractor shall check and verify all dimensions on site. This drawing is not to be used for construction unless stamped and signed by the Engineer. Do not scale drawings. Copyright reserved. This drawing is the exclusive property of BPA.

NOTES:

ALL CONCRETE ON STEEL DECK TO BE 127mm CONC/DECK. (89mm CONC. ON 38x0.91 COMPOSITE STEEL DECK) REINFORCED WITH 152x152 MW 18.7x18.7. UNLESS NOTED OTHERWISE

- SECOND FLOOR FRAMING PROTECTED BY FIRE RESISTANCE RATINGS EVALUATED USING A LOAD DESIGN METHOD OTHER THAN LIMIT STATES DESIGN.
- STRUCTURAL DESIGN HAS INCLUDED APPLICABLE LOAD RESTRICTION FACTORS.
- LOAD RESTRICTION FACTORS ARE ALSO REQUIRED IN THE DESIGN OF OPEN WEB STEEL JOISTS AND STRUCTURAL STEEL CONNECTIONS SEE NOTES ON S000
- OPEN WEB STEEL JOISTS DEFLECTION AND VIBRATION LIMITATIONS:
  - A. OWSJ DESIGNER TO DESIGN ALL OWSJ ON SECOND FLOOR FOR FLOOR VIBRATION, OWSJ DESIGNER SHALL PROVIDE AT MINIMUM THE MOMENT OF INTERIA INDICATED ON PLAN.
  - B. TOTAL DEFLECTION OF OWSJ LIMITED TO A MAXIMUM OF L/240
  - C. OWSJ DIFLECTION DUE TO LIVE LOAD SHALL BE LIMITED TO THE SMALL OF 25mm OR L/480
  - D. OWSJ TO BE DESIGNED AND SIZED IN ACCORDANCE WITH ULC D949 FIRE RATING
  - E. ENSURE ALL OWSJ LOCATED ADJACENT TO A RIGID SUPPORT LINE (WALL OR STEEL BEAM) AS DESIGNED TO NOT EXCEED A MAXIMUM 2% SLOPE IN THE DECK AFTER DEFLECTION. REFER TO DETAIL XX.
  - F. OWSJ BRIDGING SHOWN ON PLANS TO BE A MINIMUM. OWSJ DESIGNER TO PROVIDE ADDITIONAL BRACING AS REQUIRED.
- OWSJ AND BRIDGING MUST SATISFY MINIMUM DESIGN & DIMENSIONAL REQUIREMENTS OF APPLICABLE FIRE RESISTANCE RATING DESIGNS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- PROVIDE DEFLECTION CLIPS AT TOP OF ALL BLOCK WALLS.
- T.J. DENOTES TIE JOIST
- 100mm OWSJ SHOES (TYP.) UNLESS NOTED OTHERWISE
- SLOPE ROOF STRUCTURE TO ACHIEVE SLOPES INDICATED ON ARCHITECTURAL PLANS

R=75 kN DENOTES FACTORED REACTION (ULS) AT END OF STEEL BEAM (FOR CONNECTION DESIGN). LOADS ARE FACTORED (ULS) U.N.O.

- OWSJ
  - MIN. TOP CHORD THICKNESS 6.4mm
- ALL OWSJ FRAMING INTO COLUMNS TO BE TIE JOISTS.
- PROVIDE ADDITIONAL FRAMING UNDER ALL ROOFTOP UNITS, CURB AND AROUND OPENINGS (REFER TO TYPICAL DETAILS).
- SEE ELEVATIONS ON S300 SERIES FOR CONFIGURATION /DESIGN LOADS IN BRACED FRAMES/MOMENT FRAMES.
- DESIGN OWSJ SHOES FOR THE FOLLOWING ROLL OVER FORCES (INCLUDING AMPLIFICATION FACTORS) DUE TO SEISMIC LOADS:

  ROOF: 20 kN

  SECOND: 20 kN
- PROVIDE SHEAR TABS AS INDICATED IN TYPICAL DETAILS IF JOIST SHOES CANNOT BE DESIGNED FOR ROLL OVER FORCE

\# DENOTES SEISMIC AXIAL LOAD IN DIAPHRAGM COLLECTOR BEAMS (FOR CONNECTION DESIGN). LOADS ARE BASED ON RESPONSE SPECTRUM ANALYSIS WITH I = 1.3 AND R R = 1.0

DENOTES MOMENT/SHEAR CONNECTION (REFER TO PLANS FOR LOCATIONS AND DESIGN LOAD)

- ALL STEEL BEAMS TO BE SPRAYED AS PER ULC D949 FIRE RATING. REFER TO ARCH FOR SPRAY THICKNESS

CONTRACTOR IS RESPONSIBLE FOR ENSURING THICKNESS OF SPRAY-APPLIED FIRE RESITIVE MATERIAL ON ALL STEEL BEAMS MEETS THE MINIMUM REQUIREMENTS OF ULC D949.

ENSURE TO DESIGN OWSJ FOR LINE LOADS IMPOSED BY NON-LOAD BEARING BLOCK WALLS AND MECHANICAL PADS.

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

SECOND FLOOR PLAN

DRAWN:	W.L.	DRAWING No.
DESIGNED:	T.C.	S101
DATE:	JAN 2026	
SCALE:	1:100	
PROJECT No:	25-1157	

2026-04-22 4:10:10 PM

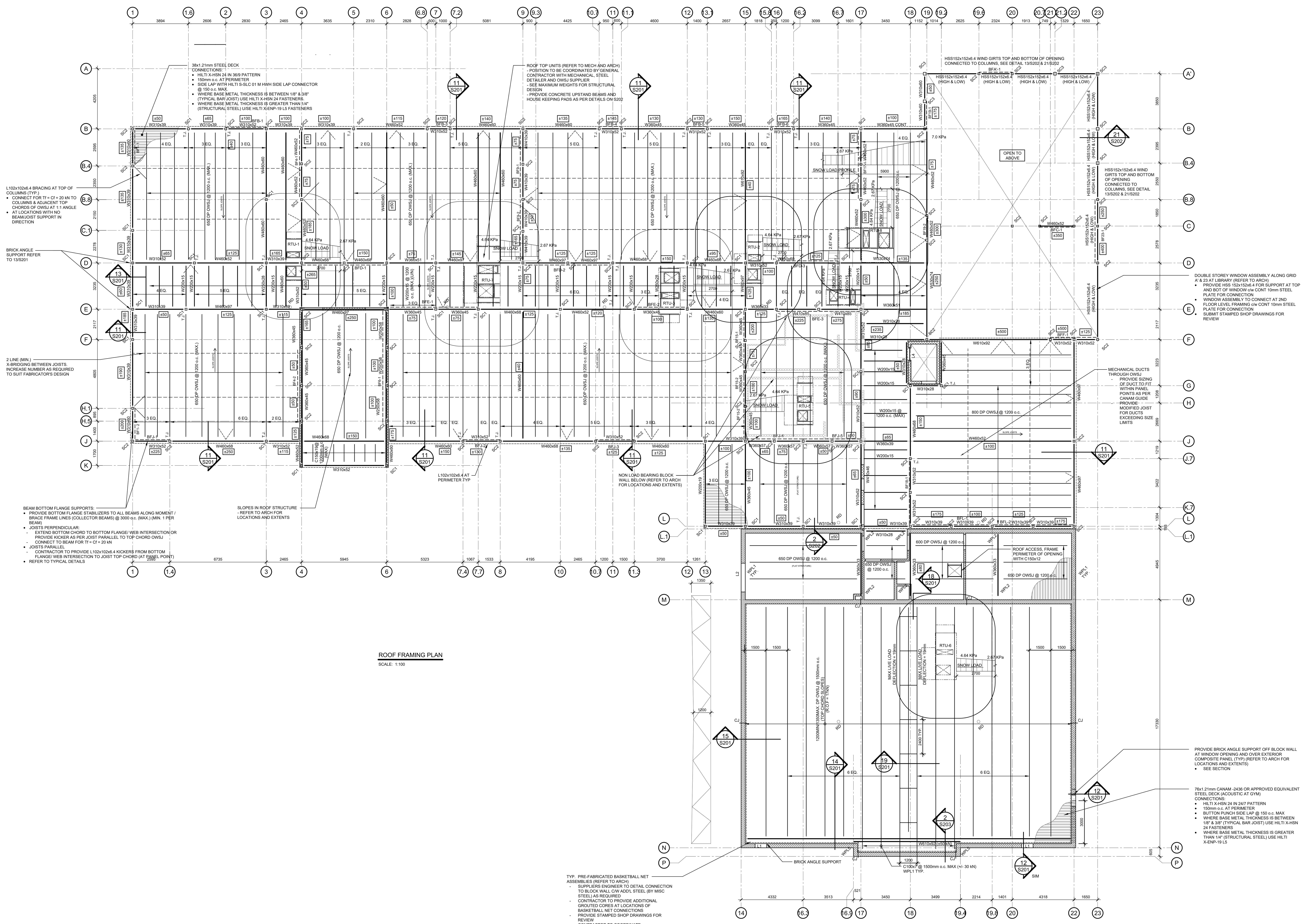
ROOF:

DEAD:	ROOFING	0.60kPa
	STEEL DECK	0.10kPa
	STRUCTURAL STEEL	0.25kPa
	CEILING	0.25kPa
	MECH/ ELECT	0.25kPa
TOTAL:		1.45kPa
LIVE:	SNOW: (VALUE + DRIFT U/N)	2.67kPa (ULS)

MECHNAICAL UNITS (RTU-1 TO RTU-8) SHOWN ON PLAN GRAPHICALLY ONLY
COORIDINATE LOCATION AND EXACT SIZE AND WEIGHT TO BE COORDINATED w/ ARCHITECT AND MECHANICAL ENGINEER.

MAXIMUM OPERATING WEIGHT = 3000 lbs

SNOW DRIFTS SHOWN ON PLAN FOR ULS INCLUDES I_S = 1.15 (FOR SERVICEABILITY MULTIPLY LOAD SHOWN ON PLAN BY 0.782)



ROOF FRAMING PLAN
SCALE: 1:100

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NOTES:

ALL CONCRETE ON STEEL DECK TO BE 127mm CONC/DECK. (89mm CONC. ON 38x0.91 COMPOSITE STEEL DECK) REINFORCED WITH 152x152 MW 18.7x18.7. UNLESS NOTED OTHERWISE

- SECOND FLOOR FRAMING PROTECTED BY FIRE RESISTANCE RATINGS EVALUATED USING A LOAD DESIGN METHOD OTHER THAN LIMIT STATES DESIGN.
- STRUCTURAL DESIGN HAS INCLUDED APPLICABLE LOAD RESTRICTION FACTORS.
- LOAD RESTRICTION FACTORS ARE ALSO REQUIRED IN THE DESIGN OF OPEN WEB STEEL JOISTS AND STRUCTURAL STEEL CONNECTIONS SEE NOTES ON S000
- OWSJ AND BRIDGING MUST SATISFY MINIMUM DESIGN & DIMENSIONAL REQUIREMENTS OF APPLICABLE FIRE RESISTANCE RATING DESIGNS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- PROVIDE DEFLECTION CLIPS AT TOP OF ALL BLOCK WALLS.
- T.J. DENOTES TIE JOIST
- 100mm OWSJ SHOES (TYP.) UNLESS NOTED OTHERWISE
- SLOPE ROOF STRUCTURE TO ACHIEVE SLOPES INDICATED ON ARCHITECTURAL PLANS

R=75 kN DENOTES FACTORED REACTION (ULS) AT END OF STEEL BEAM (FOR CONNECTION DESIGN). LOADS ARE FACTORED (ULS) U.N.O.

- OWSJ
  - MIN. TOP CHORD THICKNESS 6.4mm

OP.WT DENOTES OPERATING WEIGHT OF ROOFTOP UNIT (U/N)

# DENOTES SEISMIC AXIAL LOAD IN DIAPHRAGM COLLECTOR BEAMS (FOR CONNECTION DESIGN). LOADS ARE BASED ON RESPONSE SPECTRUM ANALYSIS WITH I = 1.3 AND R R = 1.0

DENOTES MOMENT/SHEAR CONNECTION (REFER TO PLANS FOR LOCATIONS AND DESIGN LOAD)

- ALL OWSJ FRAMING INTO COLUMNS TO BE TIE JOISTS.
- PROVIDE ADDITIONAL FRAMING UNDER ALL ROOFTOP UNITS, CURB AND AROUND OPENINGS (REFER TO TYPICAL DETAILS).
- SEE ELEVATIONS ON S300 SERIES FOR CONFIGURATION /DESIGN LOADS IN BRACED FRAMES/MOMENT FRAMES.
- DESIGN OWSJ SHOES FOR THE FOLLOWING ROLL OVER FORCES (INCLUDING AMPLIFICATION FACTORS) DUE TO SEISMIC LOADS:
  ROOF: 20 kN
  SECOND: 20 kN
- PROVIDE SHEAR TABS AS INDICATED IN TYPICAL DETAILS IF JOIST SHOES CANNOT BE DESIGNED FOR ROLL OVER FORCE

RTU NOTES:

DESIGN SUPPORTING FRAMING AROUND UNIT FOR SNOW DRIFTS (ALL LOCATIONS)

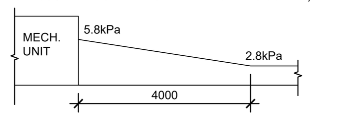
CONTRACTOR TO PROVIDE ALL MECH. UNIT WEIGHTS/CURB ATTACHMENTS/SEISMIC LOADS/ANCHOR CONNECTIONS TO JOIST FABRICATOR PRIOR TO JOIST FABRICATION/SHOP DRAWING APPROVAL. (NOTE: CONTRACTOR'S ENGINEER IS RESPONSIBLE FOR ALL SEISMIC DESIGN/DETAILING IN ACCORDANCE WITH 2024 OBC INCLUDING VERIFICATION OF CAPACITY OF STRUCTURAL MEMBERS OUTLINED ON THIS DRAWING) (TYPICAL ALL LOCATIONS)

VERIFY ALL DIMENSIONS/WEIGHTS/CURB HEIGHTS WITH MECH./ARCH./UNIT SUPPLIER PRIOR TO JOIST DESIGN.

CONTRACTOR'S ENGINEER IS RESPONSIBLE TO VERIFY/CERTIFY/DESIGN ALL INFORMATION PRESENTED.

MECHANICAL RTU's SHOWN ON PLAN WITH LXWXH AND OPERATING WEIGHT. OPERATING WEIGHT PROVIDED BY MANUFACTURER IS +/-5%. SNOW DRIFTS AT MECHANICAL UNITS SHOWN ON PLAN ASSUMES UNIT IS MOUNTED 900MM ABOVE THE ROOF SURFACE (300MM CONCRETE CURB+600MM UNIT CURB). CONTRACTOR TO CONFIRM UNIT/CURB HEIGHT BEFORE FABRICATING JOISTS.
PROVIDE SNOW DRIFT AT UNITS NOT SHOWN ON PLAN AS PER BELOW. CONTRACTOR TO COORDINATE WITH JOIST DETAILER AND UNIT SUPPLIER

SNOW DRIFT @ MECHANICAL UNITS OVER 3.0m LONG
(UP TO 2.0m ABOVE ROOF-CONTRACTOR TO CONFIRM UNIT/CURB HEIGHT BEFORE FABRICATING JOISTS).



ADDITIONAL FRAMING UNDER ROOFTOP UNIT CURB AND AROUND OPENINGS
- SEE TYPICAL DETAILS (ALL UNITS)

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING
ROOF PLAN

DRAWN:	W.L.	DRAWING No.
DESIGNED:	T.C.	S102
DATE:	JAN 2026	
SCALE:	1:100	
PROJECT No:	25-1157	

2026-04-22 4:10:10 PM

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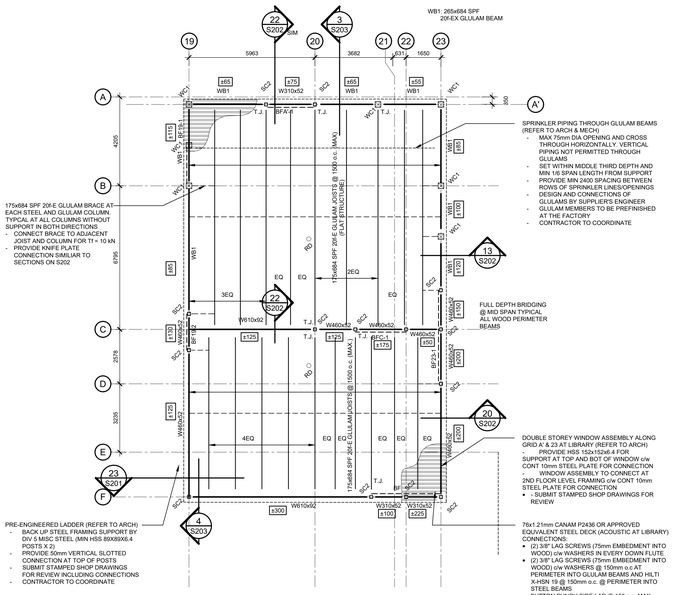
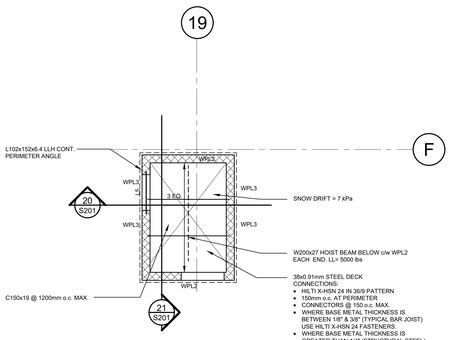


1 S103 HIGH ROOF FRAMING PLAN
SCALE: 1:100



2 S103 ELEVATOR ROOF FRAMING PLAN
SCALE: 1:50

NOTES:

ALL CONCRETE ON STEEL DECK TO BE 127mm CONC/DECK. (89mm CONC. ON 38x0.91 COMPOSITE STEEL DECK) REINFORCED WITH 152x152 MW 18.7x18.7. UNLESS NOTED OTHERWISE

- SECOND FLOOR FRAMING PROTECTED BY FIRE RESISTANCE RATINGS EVALUATED USING A LOAD DESIGN METHOD OTHER THAN LIMIT STATES DESIGN.
- STRUCTURAL DESIGN HAS INCLUDED APPLICABLE LOAD RESTRICTION FACTORS.
- LOAD RESTRICTION FACTORS ARE ALSO REQUIRED IN THE DESIGN OF OPEN WEB STEEL JOISTS AND STRUCTURAL STEEL CONNECTIONS SEE NOTES ON S000
- OWSJ AND BRIDGING MUST SATISFY MINIMUM DESIGN & DIMENSIONAL REQUIREMENTS OF APPLICABLE FIRE RESISTANCE RATING DESIGNS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- PROVIDE DEFLECTION CLIPS AT TOP OF ALL BLOCK WALLS.
- T.J. DENOTES TIE JOIST
- 100mm OWSJ SHOES (TYP.) UNLESS NOTED OTHERWISE
- SLOPE ROOF STRUCTURE TO ACHIEVE SLOPES INDICATED ON ARCHITECTURAL PLANS

R=75 kN — DENOTES FACTORED REACTION (ULS) AT END OF STEEL BEAM (FOR CONNECTION DESIGN). LOADS ARE FACTORED (ULS) U/N O.

- OWSJ
  - MIN. TOP CHORD THICKNESS 6.4mm

OP.WT — DENOTES OPERATING WEIGHT OF ROOFTOP UNIT (U/N)

[#] — DENOTES SEISMIC AXIAL LOAD IN DIAPHRAGM COLLECTOR BEAMS (FOR CONNECTION DESIGN). LOADS ARE BASED ON RESPONSE SPECTRUM ANALYSIS WITH I = 1.3 AND R = 1.0

DENOTES MOMENT/SHEAR CONNECTION (REFER TO PLANS FOR LOCATIONS AND DESIGN LOAD)

- ALL OWSJ FRAMING INTO COLUMNS TO BE TIE JOISTS.
- PROVIDE ADDITIONAL FRAMING UNDER ALL ROOFTOP UNITS, CURB AND AROUND OPENINGS (REFER TO TYPICAL DETAILS).
- SEE ELEVATIONS ON S300 SERIES FOR CONFIGURATION /DESIGN LOADS IN BRACED FRAMES/MOMENT FRAMES.
- DESIGN OWSJ SHOES FOR THE FOLLOWING ROLL OVER FORCES (INCLUDING AMPLIFICATION FACTORS) DUE TO SEISMIC LOADS:

  ROOF: 20 kN

  SECOND: 20 kN

- PROVIDE SHEAR TABS AS INDICATED IN TYPICAL DETAILS IF JOIST SHOES CANNOT BE DESIGNED FOR ROLL OVER FORCE

RTU NOTES:

DESIGN SUPPORTING FRAMING AROUND UNIT FOR SNOW DRIFTS (ALL LOCATIONS)

CONTRACTOR TO PROVIDE ALL MECH. UNIT WEIGHTS/CURB ATTACHMENTS/SEISMIC LOADS/ANCHOR CONNECTIONS TO JOIST FABRICATOR PRIOR TO JOIST FABRICATION/SHOP DRAWING APPROVAL. (NOTE: CONTRACTOR'S ENGINEER IS RESPONSIBLE FOR ALL SEISMIC DESIGN/DETAILING IN ACCORDANCE WITH 2024 OBC INCLUDING VERIFICATION OF CAPACITY OF STRUCTURAL MEMBERS OUTLINED ON THIS DRAWING) (TYPICAL ALL LOCATIONS)

VERIFY ALL DIMENSIONS/WEIGHTS/CURB HEIGHTS WITH MECH./ARCH./UNIT SUPPLIER PRIOR TO JOIST DESIGN.

CONTRACTOR'S ENGINEER IS RESPONSIBLE TO VERIFY/CERTIFY/DESIGN ALL INFORMATION PRESENTED.

MECHANICAL RTU's SHOWN ON PLAN WITH LXWXH AND OPERATING WEIGHT. OPERATING WEIGHT PROVIDED BY MANUFACTURER IS +/-5%. SNOW DRIFTS AT MECHANICAL UNITS SHOWN ON PLAN ASSUMES UNIT IS MOUNTED 900MM ABOVE THE ROOF SURFACE (300MM CONCRETE CURB+600MM UNIT CURB). CONTRACTOR TO CONFIRM UNIT/CURB HEIGHT BEFORE FABRICATING JOISTS.
PROVIDE SNOW DRIFT AT UNITS NOT SHOWN ON PLAN AS PER BELOW. CONTRACTOR TO COORDINATE WITH JOIST DETAILER AND UNIT SUPPLIER

SNOW DRIFT @ MECHANICAL UNITS OVER 3.0m LONG
(UP TO 2.0m ABOVE ROOF-CONTRACTOR TO CONFIRM UNIT(S) RFG HEIGHT RFF/ORF FABRICATING) 4'S/ETS).

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING
HIGH ROOF PLAN

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	1:100
PROJECT No:	25-1157

DRAWING No.
S103

2026-04-22 4:10:10 PM

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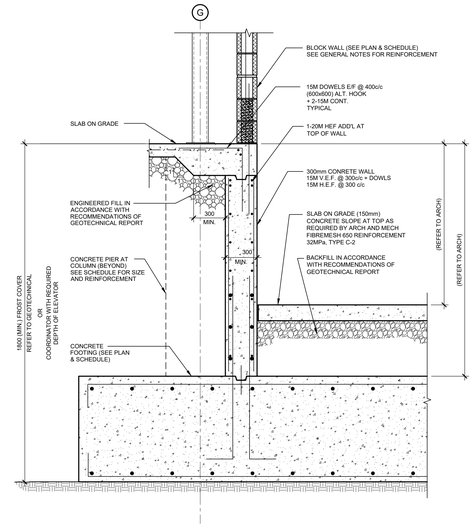
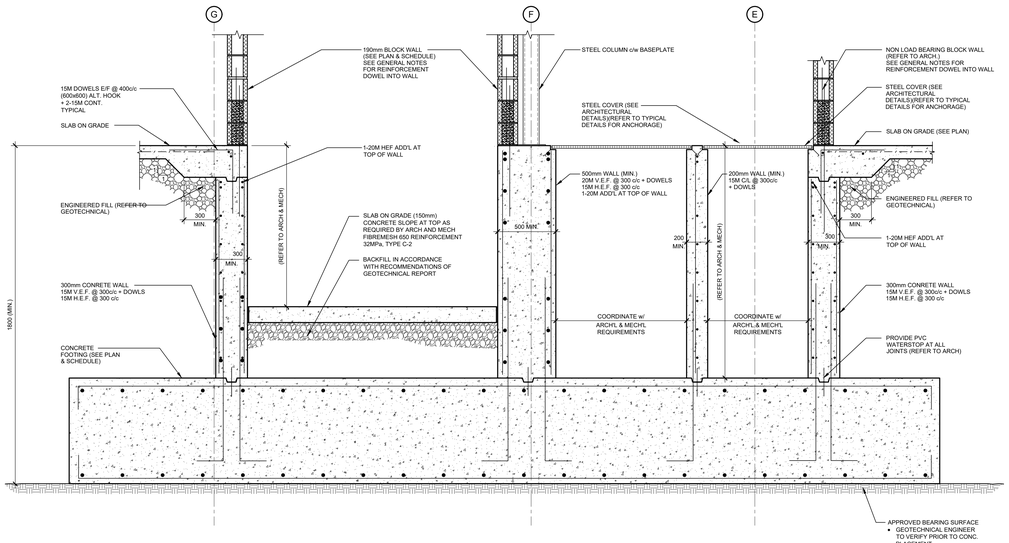
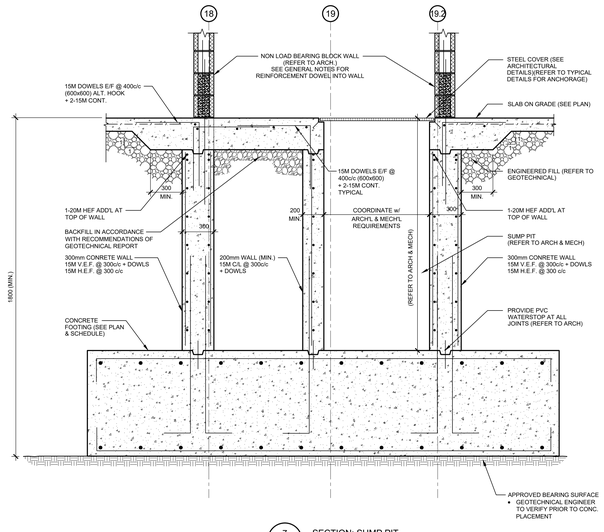


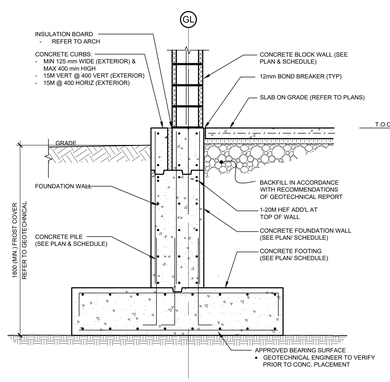
9 S200 SECTION: ELEVATOR PIT
SCALE 1:20



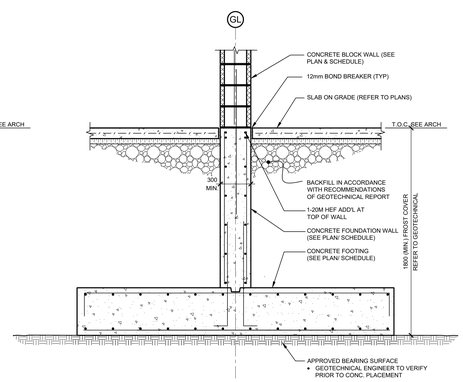
8 S200 SECTION: SUMP PIT AND ELEVATOR PIT
SCALE 1:20



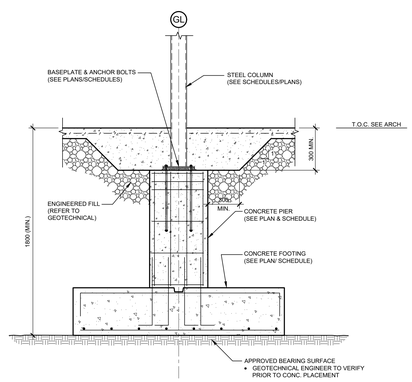
7 S200 SECTION: SUMP PIT
SCALE 1:20



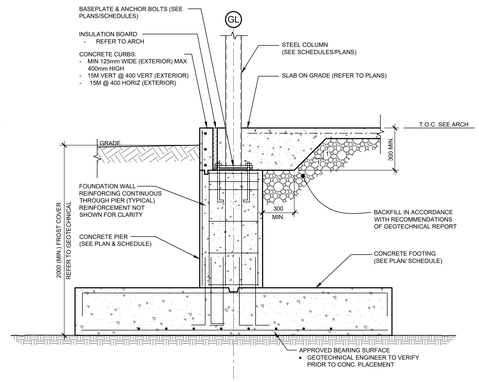
5 S200 SECTION: TYPICAL EXTERIOR LOAD BEARING BLOCK (GYMNASIUM)
SCALE 1:20



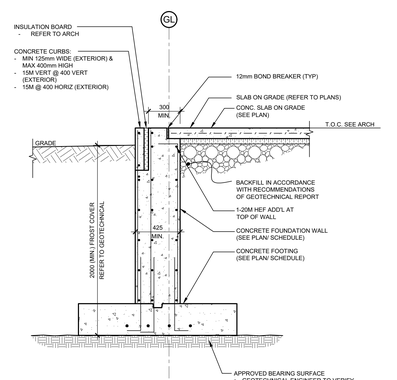
4 S200 SECTION: TYPICAL INTERIOR LOAD BEARING BLOCK
SCALE 1:20



3 S200 TYPICAL INTERIOR FOOTING (WITH PIER)
SCALE 1:20



2 S200 SECTION: TYPICAL EXTERIOR PIER
SCALE 1:20



1 S200 SECTION: TYPICAL EXTERIOR FOUNDATION WALL
SCALE 1:20

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

SECTIONS AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	AS INDICATED
PROJECT No:	25-1157

DRAWING No.

S200

2026-04-22 4:10:10 PM

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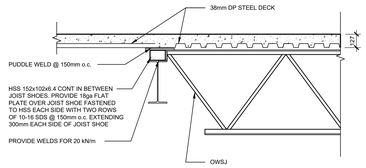
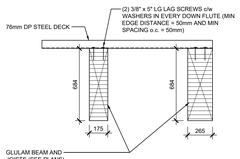
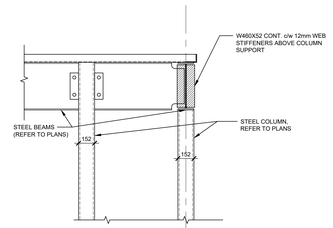


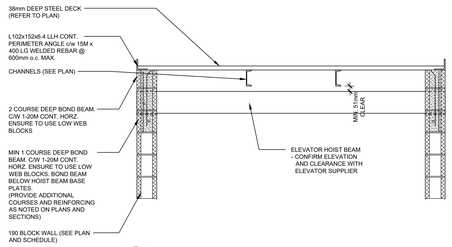
27 S201 SECTION: SECOND FLOOR BEAM @ DECK TRANSITION
SCALE: 1:20



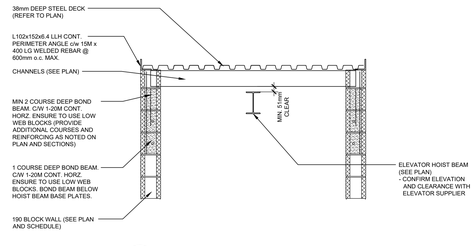
24 S201 STEEL ROOF DECK ON GLULAM BEAMS
SCALE: 1:20



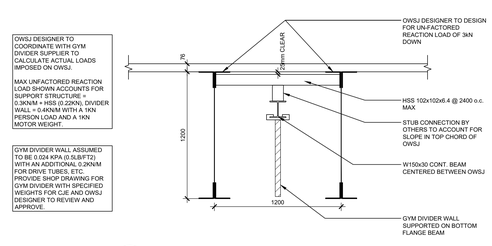
23 S201 SECTION: CORNER OF LIBRARY ROOF
SCALE 1:20



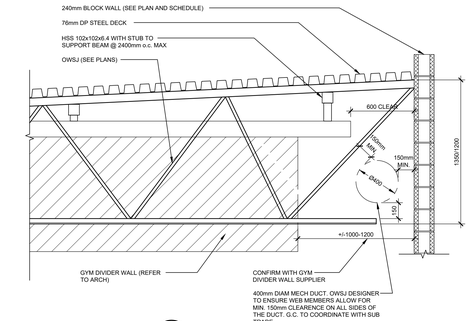
21 S201 SECTION: ELEVATOR HIGH ROOF
SCALE 1:20



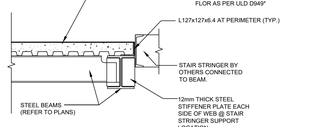
20 S201 SECTION: ELEVATOR HIGH ROOF
SCALE 1:20



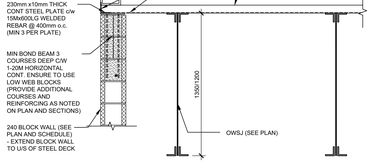
19 S201 SECTION: GYM DIVIDER WALL SUPPORT
SCALE 1:20



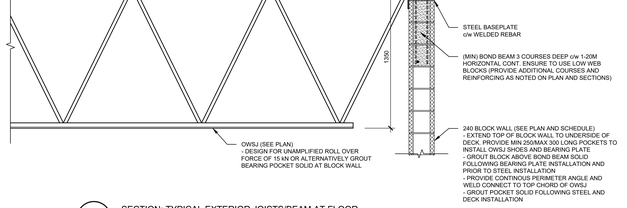
18 S201 SECTION: GYM DIVIDER WALL SUPPORT
SCALE 1:20



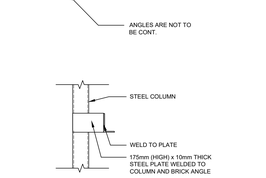
16 S201 TYPICAL SECTION: STAIR STRINGERS AT LANDING
SCALE 1:20



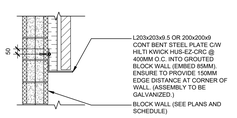
15 S201 SECTION: BRACING AT GYM WALL
SCALE 1:20



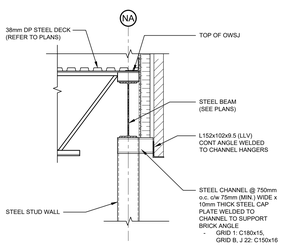
14 S201 SECTION: TYPICAL EXTERIOR JOISTS/BEAM AT FLOOR
SCALE: 1:20



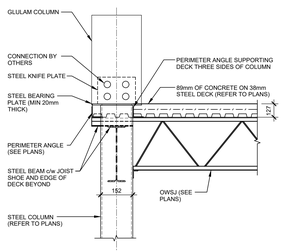
13 S201 SECTION: BRICK SUPPORT FROM COLUMNS
SCALE: 1:20



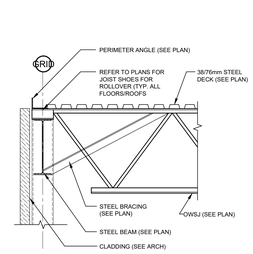
12 S201 SECTION: BLOCK WALL AND BENT PLATE
SCALE: 1:20



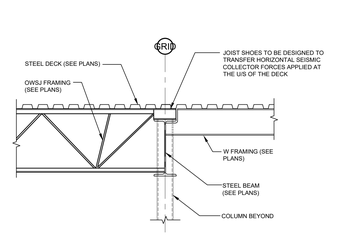
11 S201 SECTION: BRICK ANGLE
SCALE: 1:20



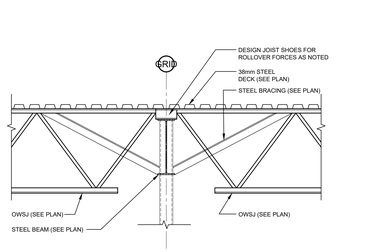
10 S201 SECTION: GLULAM COLUMN ON STEEL COLUMN BELOW
SCALE: 1:20



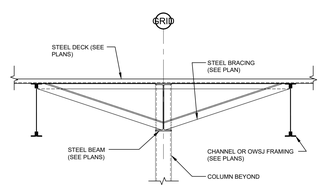
9 S201 SECTION: TYPICAL ROOF EDGE (JOISTS PERPENDICULAR)
SCALE: 1:20



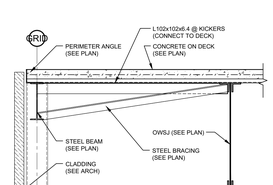
8 S201 TYPICAL SECTION: INTERIOR BEAM PERPENDICULAR TO OWSJ @ ROOF
SCALE 1:20



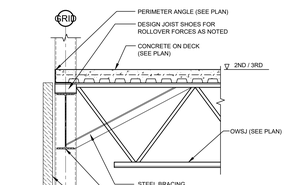
7 S201 SECTION: TYPICAL INTERIOR JOISTS/BEAM AT ROOF
SCALE: 1:20



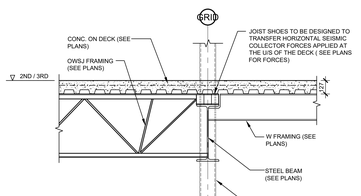
6 S201 TYPICAL SECTION: INTERIOR BEAM @ ROOF
SCALE 1:20



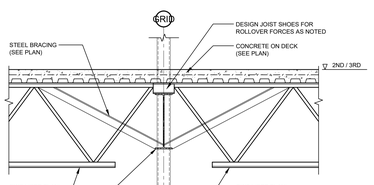
5 S201 SECTION: TYPICAL EXTERIOR JOIST/BEAMS AT FLOOR (JOISTS PARALLEL)
SCALE: 1:20



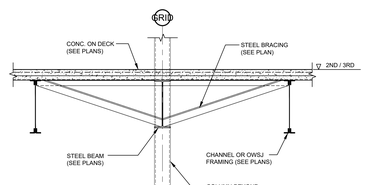
4 S201 SECTION: TYPICAL EXTERIOR JOISTS/BEAM AT FLOOR
SCALE: 1:20



3 S201 TYPICAL SECTION: INTERIOR BEAM PERPENDICULAR TO OWSJ @ FLOOR
SCALE 1:20



2 S201 SECTION: TYPICAL INTERIOR JOISTS/BEAM AT FLOOR
SCALE: 1:20



1 S201 TYPICAL SECTION: INTERIOR BEAM @ FLOOR
SCALE 1:20

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING
SECTIONS AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	AS INDICATED
PROJECT No:	25-1157

DRAWING No.
S201

2026-04-22 4:10:10 PM

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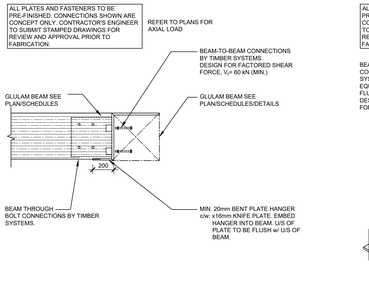
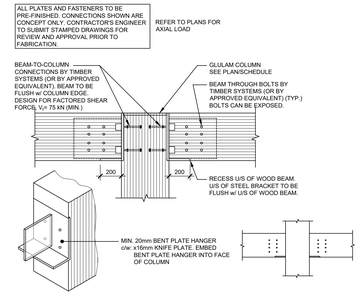
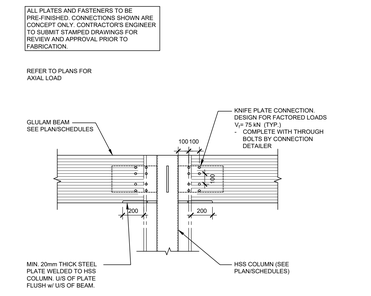


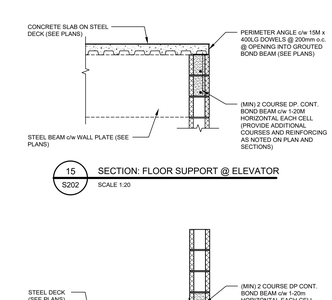
19 S202 DETAIL: GLULAM BEAM TO BEAM CONNECTION
N.T.S.



18 S202 DETAIL: GLULAM BEAM - COLUMN CONNECTION
N.T.S.

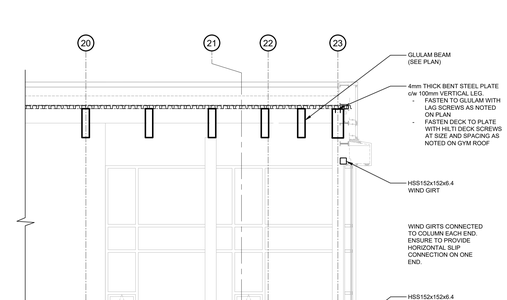


17 S202 DETAIL: WOOD BEAM - STEEL COLUMN CONNECTION
N.T.S.

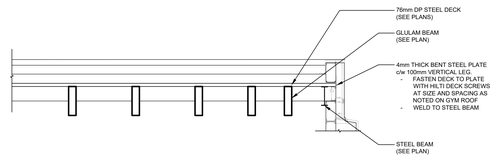


14 S202 SECTION: ROOF SUPPORT @ ELEVATOR
SCALE 1:20

15 S202 SECTION: FLOOR SUPPORT @ ELEVATOR
SCALE 1:20

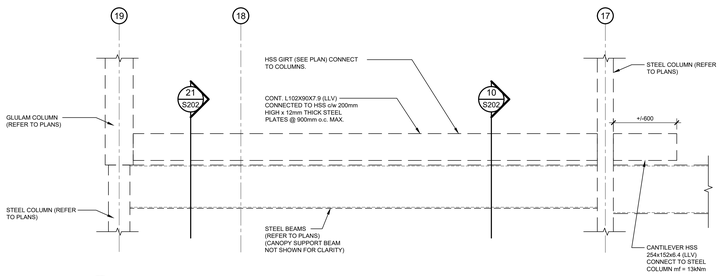


21 S202 DETAIL: HSS STEEL GIRT - GLULAM COLUMN CONNECTION
N.T.S.

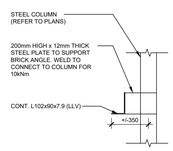


20 S202 SECTION: LIBRARY ROOF AT STEEL PERIMETER BEAM
SCALE 1:50

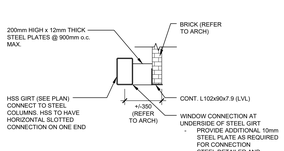
13 S202 SECTION: LIBRARY WINDOW SUPPORT
SCALE 1:50



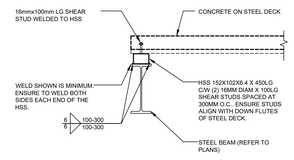
12 S202 SECTION: BRICK ANGLE SUPPORT GRIDLINE B 17-18
SCALE 1:20



11 S202 SECTION: BRICK ANGLE OVER LOW ROOF STRUCTURE
SCALE 1:20



10 S202 SECTION: HSS & BRICK SUPPORT
SCALE 1:20



5 S202 SECTION: BSC1 SHEAR CONNECTOR FOR SLAB DECK
SCALE 1:20

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

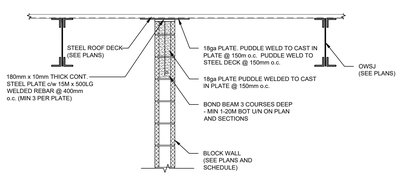
STAMP

PROJECT
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

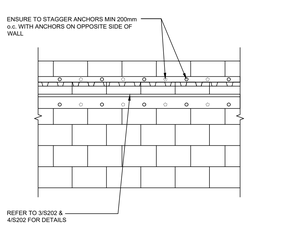
DRAWING
SECTIONS AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	AS INDICATED
PROJECT No:	25-1157

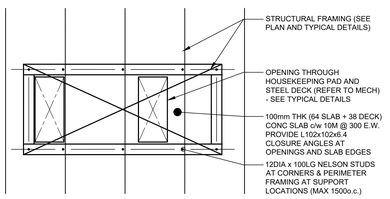
DRAWING No.
S202



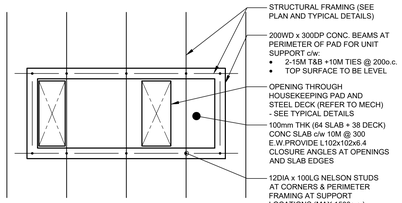
2 S202 STEEL ROOF DECK OVER BLOCK WALL
SCALE 1:20



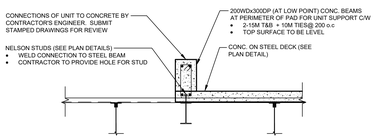
1 S202 ELEVATION: STEEL DECK SUPPORT AT BLOCK WALL
SCALE 1:20



TYPICAL DETAIL: CONCRETE HOUSEKEEPING PAD AT MECHANICAL UNIT
SCALE: 1:40



TYPICAL DETAIL: CONCRETE HOUSEKEEPING PAD & UPSTAND BEAMS
SCALE: 1:40 AT MECHANICAL UNIT



TYPICAL SECTION DETAIL: CONCRETE HOUSEKEEPING PAD & UPSTAND BEAMS
SCALE: 1:20 AT MECHANICAL UNIT

2026-04-22 4:10:10 PM

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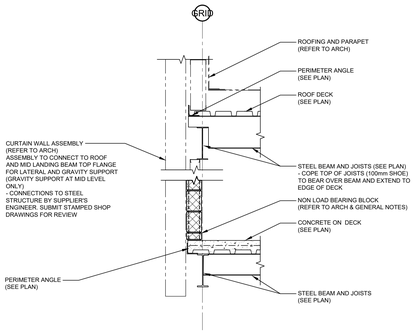
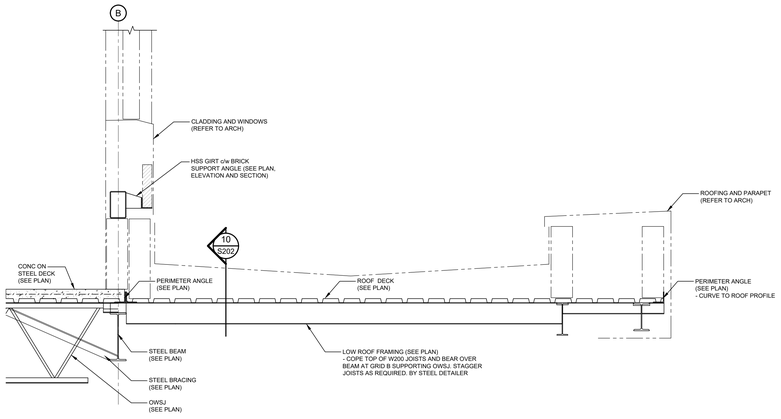


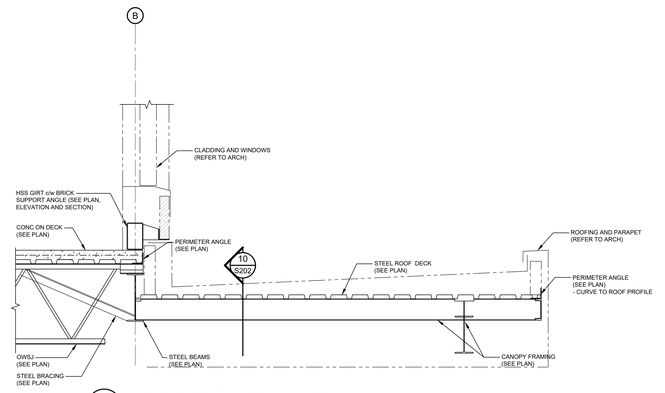
7 / S203 SECTION: CURTAINWALL AT STAIR LANDING/ ROOF

SCALE: 1:20



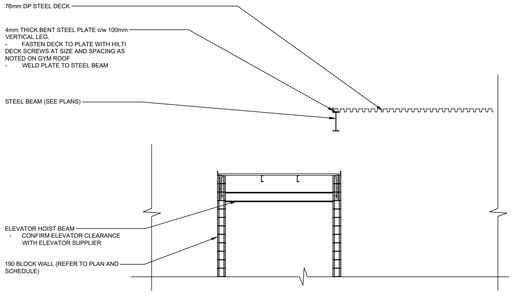
6 / S203 SECTION: LOW ENTRANCE ROOF (GRID B-2 TO B-5)

SCALE: 1:20



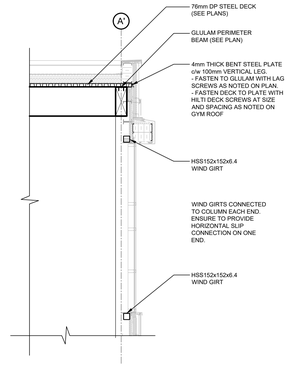
5 / S203 SECTION: CANOPY FRAMING GRID (B-16 TO B-19)

SCALE: 1:20



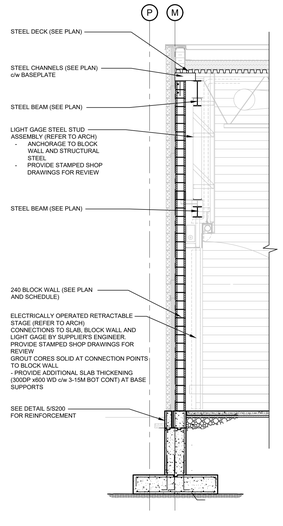
4 / S203 SECTION: LIBRARY ROOF AT ELEVATOR

SCALE 1:50



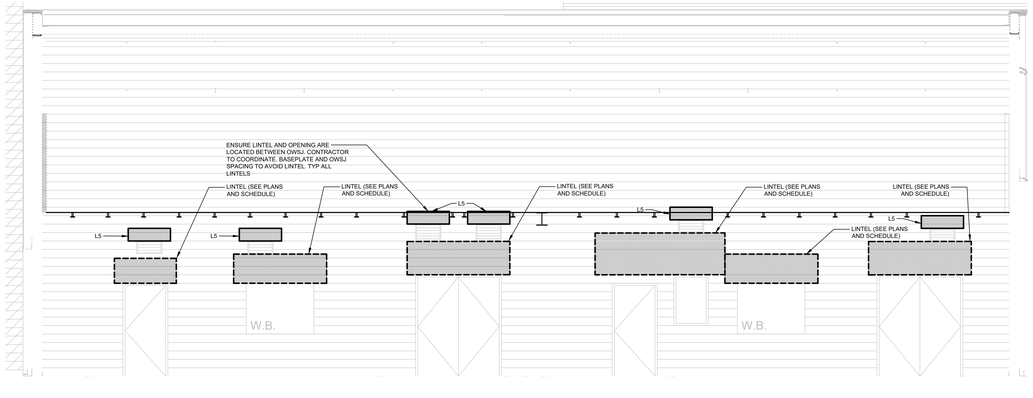
3 / S203 SECTION: LIBRARY ROOF AT STEEL PERIMETER BEAM

SCALE 1:50



2 / S203 SECTION: GYM BLOCK WALL

SCALE 1:50



1 / S203 ELEVATON: GYM WALL (GRID M)

SCALE 1:50

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

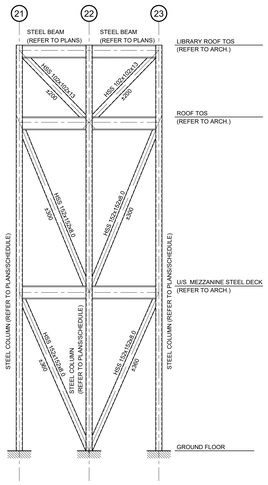
SECTIONS AND DETAILS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	AS INDICATED
PROJECT No:	25-1157

DRAWING No.

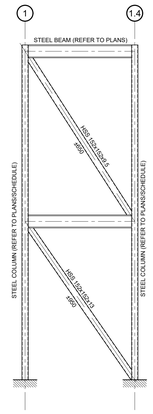
S203

2026-04-22 4:10:10 PM



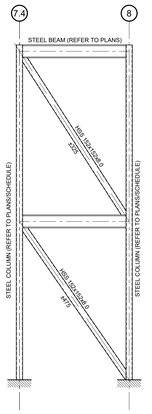
BRACE FRAME ELEVATION - BFF-1

SCALE 1:50



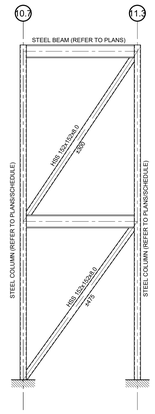
BRACE FRAME ELEVATION - BFJ-1

SCALE 1:50



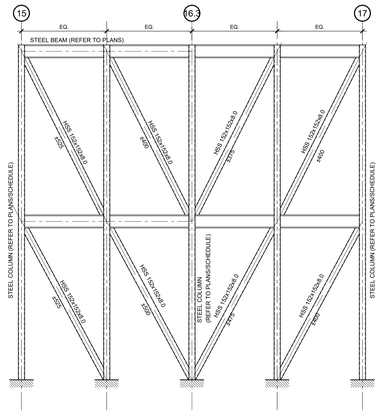
BRACE FRAME ELEVATION - BFJ-2

SCALE 1:50



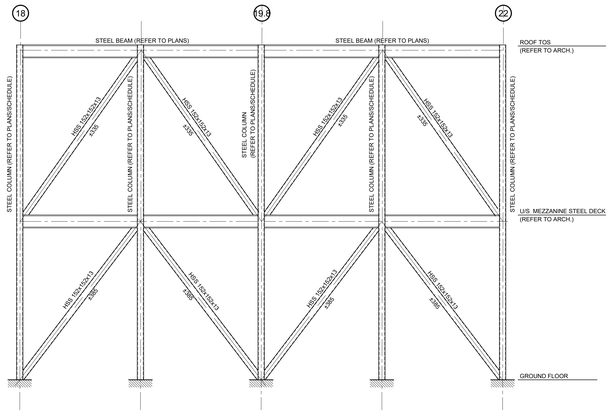
BRACE FRAME ELEVATION - BFJ-3

SCALE 1:50



BRACE FRAME ELEVATION - BFJ-4 AND BFJ-5

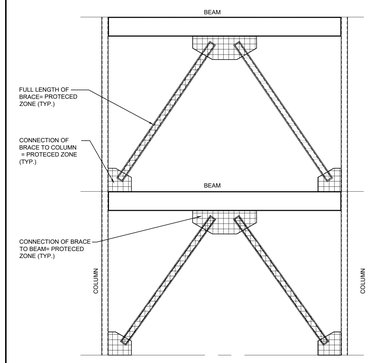
SCALE 1:50



BRACE FRAME ELEVATION - BFL-1 AND BFL-2

SCALE 1:50

BRACEFRAME PROTECTED ZONES



NOTES:

- THE ABOVE DETAIL SHOWS A TYPICAL BRACE FRAME ELEVATION. WHILE THE CONFIGURATION OF BRACE ELEMENTS MAY VARY, THE DESIGNATED PROTECTED ZONES REMAIN AS INDICATED.
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BRACE FEANE NOTES:

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  Rd = 2.0
  Ro = 1.3
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BRACE FRAME ELEVATION - BFD-1

SCALE 1:50

BRACE FRAME ELEVATION - BFD-2

SCALE 1:50

BRACE FRAME ELEVATION - BFD-3

SCALE 1:50

BRACE FRAME ELEVATION - BFE-1

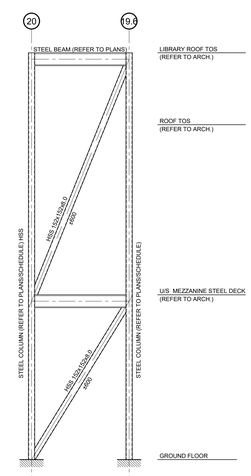
SCALE 1:50

BRACE FRAME ELEVATION - BFE-2

SCALE 1:50

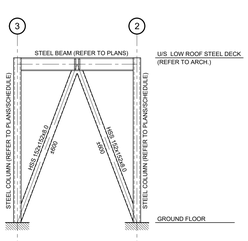
BRACE FRAME ELEVATION - BFE-3

SCALE 1:50



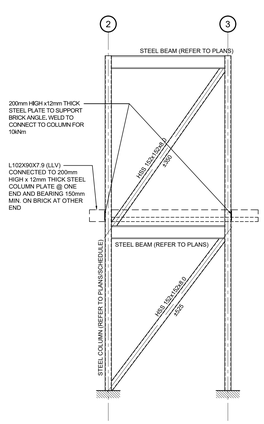
BRACE FRAME ELEVATION - BFA'-1

SCALE 1:50



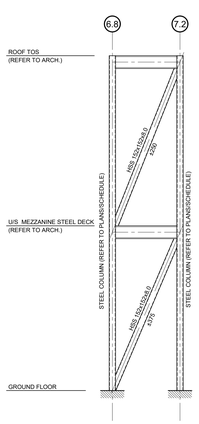
BRACE FRAME ELEVATION - BFA-1

SCALE 1:50



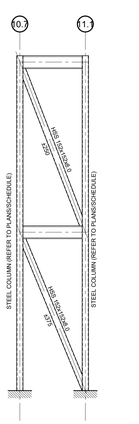
BRACE FRAME ELEVATION - BFB-1

SCALE 1:50



BRACE FRAME ELEVATION - BFB-3

SCALE 1:50



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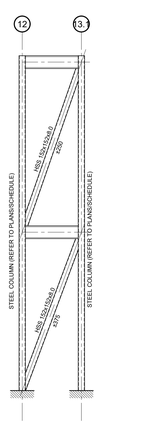
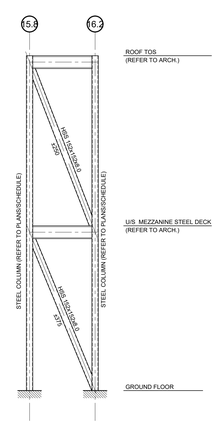
SCALE 1:50



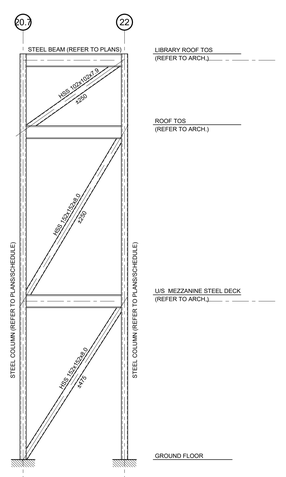
BRACE FRAME ELEVATION - BFB-5

SCALE 1:50



BRACE FRAME ELEVATION - BFB-6

SCALE 1:50



BRACE FRAME ELEVATION - BFC-1

SCALE 1:50

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

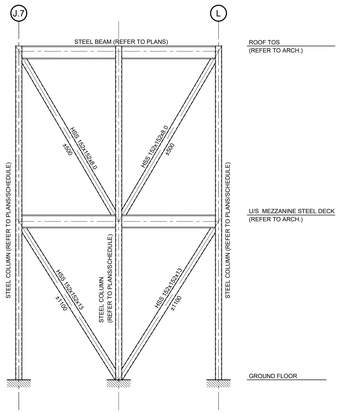
BRACE FRAME ELEVATIONS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	
PROJECT No:	25-1157

DRAWING No.

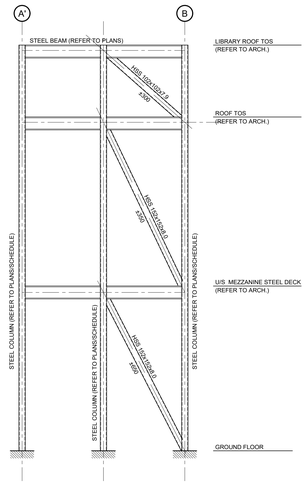
S300

2026-04-22 4:10:10 PM



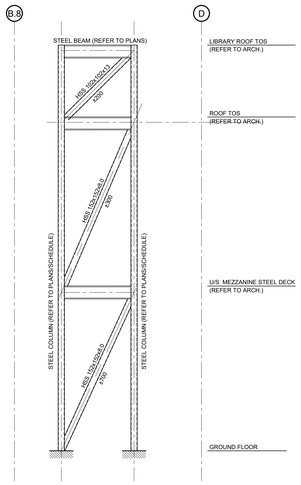
BRACE FRAME ELEVATION - BF18-1

SCALE 1:50



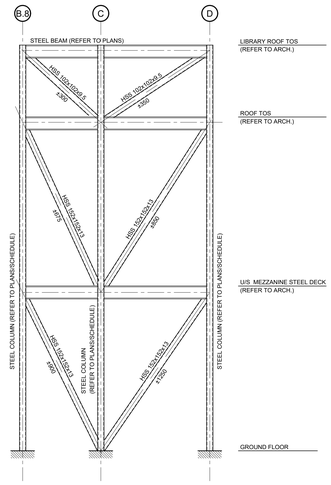
BRACE FRAME ELEVATION - BF19-1

SCALE 1:50



BRACE FRAME ELEVATION - BF19-2

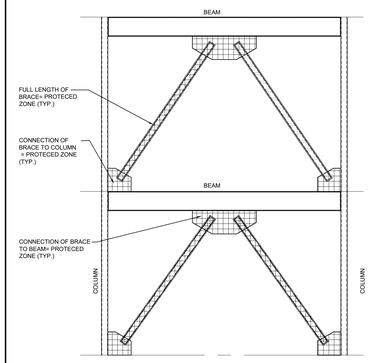
SCALE 1:50



BRACE FRAME ELEVATION - BF23-1

SCALE 1:50

BRACEFRAME PROTECTED ZONES



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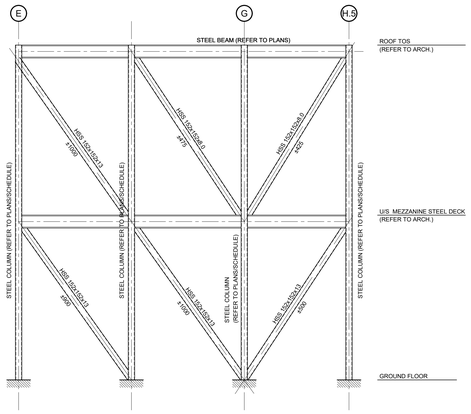
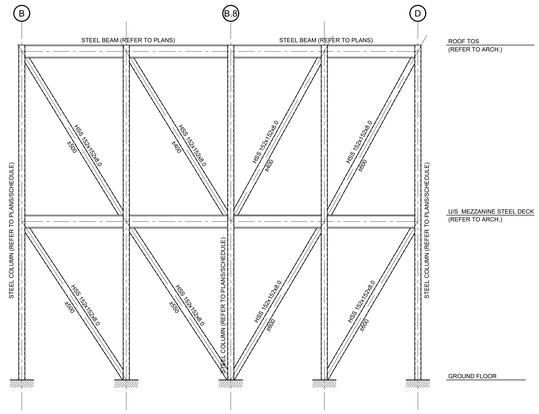


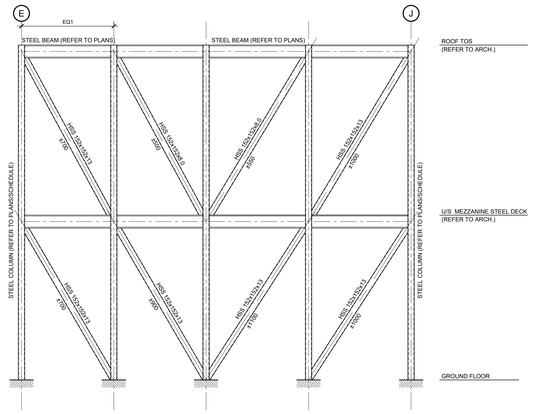
BRACE FRAME ELEVATION - BF6-1

SCALE 1:50



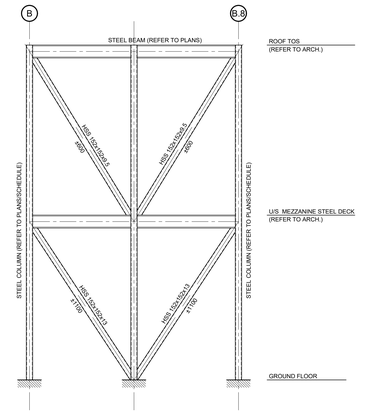
BRACE FRAME ELEVATION - BF9-1 AND BF9-2

SCALE 1:50



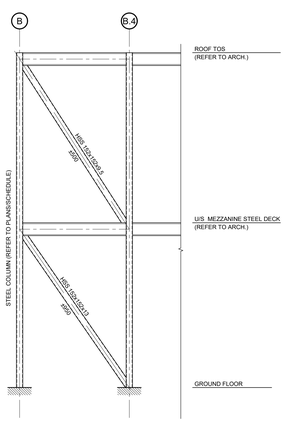
BRACE FRAME ELEVATION - BF15-1 AND BF15-2

SCALE 1:50



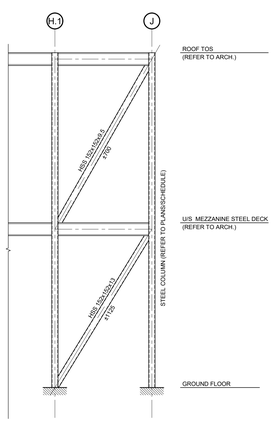
BRACE FRAME ELEVATION - BF17-1

SCALE 1:50



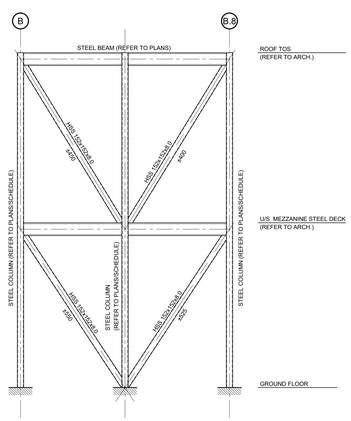
BRACE FRAME ELEVATION - BF1-1

SCALE 1:50



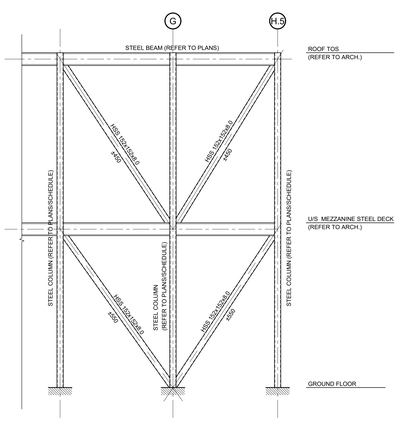
BRACE FRAME ELEVATION - BF1-2

SCALE 1:50



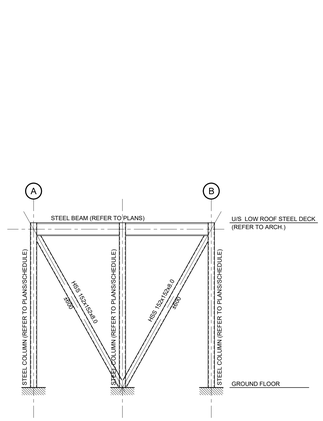
BRACE FRAME ELEVATION - BF4-1

SCALE 1:50



BRACE FRAME ELEVATION - BF4-2

SCALE 1:50



BRACE FRAME ELEVATION - BF5-1

SCALE 1:50

No.	DATE	REVISIONS	BY
3	26/04/23	ISSUED FOR TENDER	WL
2	26/03/25	ISSUED FOR PERMIT	WL
1	26/03/05	ISSUED FOR 66%	WL

PROJECT NORTH

STAMP

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

3290 FINDLAY CREEK DRIVE
OTTAWA, ONTARIO, K1T 0T2

DRAWING

BRACE FRAME ELEVATIONS

DRAWN:	W.L.
DESIGNED:	T.C.
DATE:	JAN 2026
SCALE:	
PROJECT No:	25-1157

DRAWING No.

S301

2026-04-22 4:10:10 PM

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

FINDLAY CREEK DRIVE, OTTAWA, ON

MECHANICAL

GENERAL LEGEND

SYMBOL	DESCRIPTION
———	NEW PIPING/DUCTWORK/EQUIPMENT
— — — —	NEW PIPING/DUCTWORK/EQUIPMENT BELOW SLAB

DRAWING LIST

SYMBOL	DESCRIPTION
M001	MECHANICAL DRAWING LIST AND LEGENDS
M002	MECHANICAL SCHEDULES I
M003	MECHANICAL SCHEDULES II
M004	MECHANICAL SCHEMATICS AND DETAILS
M005	MECHANICAL DETAILS I
M006	MECHANICAL DETAILS II
M007	MECHANICAL DETAILS III
M008	MECHANICAL CONTROLS
M100	FIRE PROTECTION – GROUND FLOOR
M101	FIRE PROTECTION – SECOND FLOOR
M200	PLUMBING – GROUND FLOOR
M201	PLUMBING – SECOND FLOOR
M300	UTILITIES – GROUND FLOOR
M301	UTILITIES – SECOND FLOOR
M400	HVAC – GROUND FLOOR
M401	HVAC – SECOND FLOOR
M402	HVAC – ROOF PLAN

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
S	SPRINKLER PIPE
FDC	FIRE DEPARTMENT CONNECTION PIPE
	PIPE UP
	PIPE DOWN
	FIRE EXTINGUISHER C/W MOUNTING BRACKET
	RECESSED FIRE EXTINGUISHER
	FIRE DEPARTMENT SIAMESE CONNECTION
	TEST HEADER
PS FDC TYP. TO DRAIN	INSPECTOR TEST STATION ASSEMBLY
	INSPECTOR TEST STATION
SV	SUPERVISED ISOLATION VALVES
	ISOLATION VALVES
	CHECK VALVE
	FLOW SWITCH
PS	PRESSURE GAUGE
	RELIEF VALVE

CONTROLS LEGEND

SYMBOL	DESCRIPTION
	LOW VOLTAGE CONTROL WIRING
T	THERMOSTAT – STAND ALONE
T	TEMPERATURE SENSOR – DDC
S	SPEED CONTROLLER
P	PRESSURE SENSOR
B	BAS CONTROL RELAY
FS	FLOW SWITCH
T	TEMPERATURE SENSOR & WELL
M	FLOW METER (TYPE)

PLUMBING LEGEND

SYMBOL	DESCRIPTION
DCW	DOMESTIC COLD WATER PIPING
DHW	DOMESTIC HOT WATER PIPING
DHWR	DOMESTIC HOT WATER RECIRCULATION PIPING
SAN	SANITARY PIPING
ST	STORM PIPING
V	VENT PIPING
COND	CONDENSATE DRAIN
FD1	FLOOR DRAIN (TYPE)
RD1	ROOF DRAIN (TYPE)
	PIPING OFFSET
	BRANCH PIPING DOWN
	PIPING DOWN
	PIPING UP
	REDUCER
	FLOW
	PIPE BREAK
	CAP
	RUNNING P-TRAP
	P-TRAP
	DRAIN ASSEMBLY
CO	CLEAN OUT
WCO	WALL CLEAN OUT
FCO	FLOOR CLEAN OUT
	ISOLATION VALVES
PRV	PRESSURE REDUCING VALVE (PRV)
CBV	CIRCUIT BALANCING VALVE (CBV)
	STRAINER
	CHECK VALVE
	FLEXIBLE CONNECTION
	UNION
	RELIEF VALVE
DV	DRAIN VALVE C/W CAP & CHAIN
BFP	BACK FLOW PREVENTER (TYPE)
MFHB	NON-FREEZE HOSE BIBB
P	PUMP (P)
	THERMOMETER
PG	PRESSURE GAUGE
ET	DOMESTIC HOT WATER EXPANSION TANK (ET)

UTILITIES LEGEND

SYMBOL	DESCRIPTION
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
NG	NATURAL GAS PIPING
T	THERMOMETER
PG	PRESSURE GAUGE C/W VALVE
AAV	AUTOMATIC AIR VENT C/W VALVE
	FILL CUP
	PIPING OFFSET
	BRANCH PIPING DOWN
	PIPING DOWN
	PIPING UP
	REDUCER
	FLOW
	CAP
	GAS SUPPORT
	ISOLATION VALVES
CBV	CIRCUIT BALANCING VALVE (CBV)
2WV	2-WAY CONTROL VALVE (DDC)
3WV	3-WAY CONTROL VALVE (DDC)
	CHECK VALVE
	FLEXIBLE CONNECTION
	UNION
	RELIEF VALVES
DV	DRAIN VALVE C/W CAP & CHAIN
P	PUMP (P)
GM	GAS METER
VIP	VERTICAL INLINE PUMP (P)
ET	EXPANSION TANK (ET)
	UNIT HEATER (UH)
	COMBINATION AIR/DIRT SEPARATOR
	FORCE FLOW HEATER
R=1 0.5 0.01 1800 2410	HEAT RADIATION TAG CAPACITY (kW) FLOW RATE (L/s) WALL FIN ACTIVE LENGTH (mm) CABINET LENGTH (mm)

HVAC LEGEND

SYMBOL	DESCRIPTION
	RECTANGULAR DUCTWORK
	ROUND DUCTWORK
	ACOUSTICALLY LINED DUCTWORK (RETURN OR SUPPLY)
	THERMALLY INSULATED DUCTWORK (RETURN OR SUPPLY)
	SILENCER (SIL)
	ROUND DUCTWORK OFFSET
	RECTANGULAR DUCTWORK OFFSET
	DUCTWORK UP
	DUCTWORK DOWN
	RECTANGULAR TO ROUND TRANSITION
	ECCENTRIC RECTANGULAR TO ROUND TRANSITION
	ECCENTRIC TRANSITION
	RECTANGULAR TAKE-OFF C/W BALANCING DAMPER
	RECTANGULAR TAKE-OFF
	ROUND TAKE-OFF C/W BALANCING DAMPER
	ROUND TAKE-OFF
	TAKE-OFF C/W BALANCING DAMPER
	TAKE-OFF
	SQUARE SUPPLY DIFFUSER (TYPE)
	VARIABLE AIR VOLUME SUPPLY DIFFUSER (TYPE)
	LINEAR SUPPLY DIFFUSER (TYPE)
	RETURN GRILLE (RG)
	EXHAUST GRILLE (EG)
TG	TRANSFER GRILLE (TG)
	WALL GRILLE (TYPE)
L	LOUVRE (L)
TO	TRANSFER OPENING (TO)
	ACOUSTICALLY LINED TRANSFER DUCT (TD)
FD	FIRE DAMPER (FD)
SD	SMOKE DAMPER (SD)
FSD	COMBINATION FIRE/SMOKE DAMPER
BD	BALANCING DAMPER (BD)
BDD	BACK DRAFT DAMPER (BDD)
	FLEXIBLE CONNECTION
	TURNING VANES
M	MOTORIZED DAMPER
	VARIABLE AIR VOLUME BOX (VAV), EXHAUST OR SUPPLY
	FAN POWERED BOX (FPB)
	INLINE CABINET FAN (TYPE)
	CABINET FAN C/W UNIT MOUNTED GRILLE (TYPE)
HC1 / CC1	HEATING OR COOLING COIL
VAV1 1200 600	VAV TAG BOX IDENTIFIER MAX AIRFLOW (L/S) MIN AIRFLOW (L/S)
SD1 200Ø 95	DIFFUSER TAG DIFFUSER TYPE AIRFLOW (L/S) SIZE (MM)
SG1 200X95 DUCT	GRILLE TAG GRILLE TYPE AIRFLOW (L/S) DIMENSIONS (MM)
FPB-1 SIZE INLET# AIRFLOW POWER	FAN POWER BOX TAG BOX IDENTIFIER BOX SIZE PRIMARY INLET SIZE (MM) AIR FLOW (L/S) CAPACITY (kW)

GENERAL NOTES:

1. ALL WORK SHOWN OR IMPLIED ON THESE DRAWINGS SHALL BE CARRIED OUT IN ACCORDANCE WITH:
   A. ALL CODES AND LAWS APPLICABLE (OBC)
   B. INSTRUCTIONS TO BIDDERS
   C. IN ACCORDANCE WITH SMACNA–LATEST EDITION (DUCTWORK)
   D. IN ACCORDANCE WITH FM & NFPA (FIRE PROTECTION)
   E. IN ACCORDANCE WITH ULC STANDARDS
2. PRIOR TO SUBMITTING TENDERS, EACH TRADE SHALL EXAMINE THE SITE TO DETERMINE THE CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK. NO CLAIM FOR EXTRA PAYMENT WILL BE CONSIDERED BECAUSE OF FAILURE TO FULFILL THIS CONDITION. START OF WORK WILL BE DEEMED EVIDENCE OF ACCEPTANCE OF, AND SATISFACTION WITH, EXISTING CONDITIONS.
3. THE DRAWINGS SHALL BE CONSIDERED TO SHOW THE GENERAL CHARACTER AND SCOPE OF THE WORK AND NOT THE EXACT DETAILS OF THE INSTALLATION. THE INSTALLATION SHALL BE COMPLETE WITH ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIVE INSTALLATION.
4. MECHANICAL CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE LOCATION OF NEW OR RELOCATED EQUIPMENT TO VERIFY CLEARANCES WITH THE MANUFACTURER PRIOR TO ORDERING.
5. THESE MECHANICAL DRAWINGS MUST BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
6. THE WORD "PROVIDE" SHALL DENOTE "SUPPLY AND INSTALL". THE WORD "INS" SHALL DENOTE "TESTING, ADJUSTING, AND BALANCING".
7. CONTRACTOR SHALL FOLLOW THE BIDDING DOCUMENT PROJECT SCHEDULE. UPON AWARD, CONTRACTOR SHALL SUBMIT WORK SCHEDULE TO PROJECT MANAGER & ENGINEER FOR APPROVAL.
8. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE WORK WITH ALL OTHER TRADES AND THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COMMUNICATING SAFETY REQUIREMENTS TO ITS EMPLOYEES AND COMPLYING WITH OCCUPATIONAL HEALTH AND SAFETY ACT.
9. CONTRACTOR TO PROVIDE, PRIOR TO COMMENCEMENT OF WORK, ONTARIO MINISTRY OF LABOUR CONTRACTOR REGISTRATION FORM AS WELL AS A CURRENT SIGNED AND DATED CORPORATE HEALTH AND SAFETY POLICY.
10. CONTRACTOR TO PROVIDE FOR THE USE OF HIS WORK FORCE A FIRST AID KIT ACCEPTABLE TO WSIB AND MOL.
11. PAY ALL REQUIRED FEES AND PERMITS.
12. WORKMANSHIP AND MATERIALS SHALL MATCH OR EXCEED THAT OF THE EXISTING AS PRESENTED BY THE PROJECT MANAGER.
13. ALL WORK TO BE CONDUCTED DURING HOURS SPECIFIED BY THE PROJECT MANAGER.
14. ALL CHANGES AND CONNECTIONS TO EXISTING SERVICES, REQUIRING THE SHUTDOWN OF THAT SERVICE SHALL BE DONE AT THE TIME DESIGNATED BY THE PROJECT MANAGER, UNLESS OTHERWISE STATED.
15. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL TO THE SATISFACTION OF THE PROJECT MANAGER. THE CLEANING OF THE AFFECTED AREA SHALL BE CONTINUOUS. PLACE DUST PROTECTION IN THE FORM OF COVER SHEETS OVER EQUIPMENT AND FURNITURE TO ENSURE NO DUST INFILTRATION.
16. EQUIPMENT REQUIRING CONNECTION TO AN ELECTRICAL POWER SOURCE SHALL BE CSA OR ULC APPROVED FOR USE AT LOCATION OF INSTALLATION.
17. COORDINATE MATERIAL STORAGE WITH THE SITE SUPERINTENDENT AND OTHER TRADES.
18. MANUFACTURER'S INSTRUCTIONS REGARDING THE HANDLING, INSTALLATION AND TESTING OF EQUIPMENT SPECIFIED HEREIN SHALL BE CONSIDERED PART OF THIS SPECIFICATION.
19. SUPPLY TOOLS, EQUIPMENT AND PERSONNEL TO DEMONSTRATE AND INSTRUCT OPERATING AND MAINTENANCE PERSONNEL IN OPERATING, CONTROLLING, ADJUSTING, TROUBLESHOOTING AND SERVICING OF ALL SYSTEMS AND EQUIPMENT DURING REGULAR WORK HOURS, PRIOR TO ACCEPTANCE.
20. MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR HOISTING AND REMOVAL OF MECHANICAL EQUIPMENT. COORDINATE HOISTING SCHEDULE WITH PROJECT MANAGER. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO PUBLIC AND PRIVATE PROPERTY. USE PROPER BARRIERS AND/OR PERSONNEL TO ENSURE HOISTING SAFETY FOR EMPLOYEES AND PUBLIC. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND/OR PROPERTY DURING HOISTING. ARRANGE AND PAY FOR ANY REQUIRED PERMITS.
21. INSPECT ALL NEW AND/OR RELOCATED EQUIPMENT UPON DELIVERY AND/OR RELOCATION AND NOTIFY PROJECT ENGINEER OF ANY DAMAGE OR DEFICIENCIES.
22. ALL EQUIPMENT, PIPING, DUCTWORK AND WIRING SHALL BE SUSPENDED FROM THE BUILDING STRUCTURE.
23. PROVIDE BLACK WITH WHITE WRITING LAMACOID PLATE ON ALL NEW EQUIPMENT. LABEL UNIT AS SHOWN ON DRAWINGS. LETTERING SIZE TO BE MINIMUM 25MM HIGH. MOUNT NEAR CONTROL SECTION OF THE UNIT.
24. PROVIDE CUTTING, PATCHING AND CORING OF ALL WALLS, CEILING AND OTHER SURFACES AS REQUIRED FOR MECHANICAL WORK. CHECK WITH BUILDING MANAGEMENT PRIOR TO CORE DRILLING AND CUTTING OF FLOOR SLAB REGARDING BUILDING REQUIREMENTS AND POLICIES. PRIOR TO SLAB CUTTING OR CORING, SCAN THE SLAB USING GPR TECHNOLOGY AND COORDINATE DRILLING TO MINIMIZE CUTTING OF THE REINFORCING STEEL AND CONDUIT. FIRE STOP ALL NEW FIRE RATED PENETRATIONS. THE CONTRACTOR IS TO INCLUDE IN TENDER PRICE ALL WORK ASSOCIATED WITH CORE DRILLING AFTER NORMAL WORKING HOURS. OBTAIN WRITTEN VERIFICATION OF LOCATIONS FROM THE STRUCTURAL ENGINEER OF RECORD PRIOR TO DRILLING. CUTTING TORCHES SHALL NOT BE USED FOR MAKING HOLES. PATCH ALL HOLES THROUGH SLAB WITH FIRE–STOP CAULKING (ULC LISTED). PATCHED SURFACES ARE TO BE PRIMED FINISHED, READY FOR FINAL COVERING BY OTHERS (COORDINATE WITH ROOFING CONTRACTOR).
25. PIPING LAYOUT ILLUSTRATED ON DRAWINGS INDICATES GENERAL ROUTING OF PIPE WORK AND DOES NOT SHOW ALL FITTINGS AND OFFSETS REQUIRED FOR COMPLETE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PIPING FITTINGS & OFFSETS REQUIRED FOR COORDINATED INSTALLATION WITH OTHER SYSTEMS (DUCTWORK, PIPING, CONDUITS, LIGHTS, ETC.)
26. PROTECT AIR HANDLING SYSTEM FROM CONSTRUCTION DUST. PROVIDE FILTER MEDIA ON RETURN OPENINGS; FASTEN SECURELY TO THE RETURN DUCT INLET; REPLACE DURING CONSTRUCTION AS REQUIRED.
27. DUCT SIZES INDICATED ON DRAWINGS WHERE ACOUSTICALLY LINED ARE FREE AREA SIZES AND NOT SHEET METAL SIZES.
28. COORDINATE DUCTWORK ROUTING PRIOR TO DUCT FABRICATION; IF MODIFICATIONS ARE REQUIRED, REVISE DUCT SIZE TO MAINTAIN CROSS SECTIONAL AREA.
29. ALLOW FOR 1500 MM OF ADJUSTMENT FOR EXACT LOCATION OF AIR HANDLING UNITS, RTU'S PUMPS, DUCTS, PIPING, ETC. AT NO EXTRA COST OR CREDIT.
30. PRIOR TO CLOSING OF CEILINGS, MECHANICAL CONTRACTOR SHALL NOTIFY THE ENGINEER THAT AN INSPECTION IS REQUIRED BEFORE PROCEEDING.
31. CONTRACTOR TO NOTIFY PROJECT MANAGER 3 DAYS BEFORE SCHEDULED SUBSTANTIAL COMPLETION TO ARRANGE INTERIM INSPECTION AND EQUIPMENT COMMISSIONING. NOTIFY PROJECT MANAGER IN WRITING OF ANY CHANGES IN SCHEDULE.
32. WARRANTY PERIOD SHALL BE FOR TWELVE (12) MONTHS AFTER THE DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY ENGINEER.
33. SUBMITTALS:
   .1 SUBMIT ONE(1) COPY OF SHOP DRAWINGS AND PRODUCT DATA IN ELECTRONIC PDF FORMAT FOR ENGINEER'S REVIEW PRIOR TO PURCHASING AND ORDERING. HARD COPY SHOP DRAWINGS WILL NOT BE ACCEPTED. REVIEWED ELECTRONIC SHOP DRAWINGS WILL BE RE–DISTRIBUTED AS PER PROJECT MANAGER'S INSTRUCTIONS. SHOP DRAWINGS SHALL INCLUDE ALL SPECIFIED EQUIPMENT & SYSTEMS.
   .2 PROVIDE SUBMITTALS IN ACCORDANCE WITH APPLICABLE CODES REQUIRED FOR OCCUPANCY INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
      .1 FIRE PROTECTION:
         .1 NFPA–13 CERTIFICATION LETTER (WARRANTY LETTER IS SUFFICIENT IF THE LETTER NOTES IN ITS CONTENT THAT THE INSTALLATION MEETS NFPA–13).
         .2 BACKFLOW PREVENTER TEST REPORTS SUBMITTED AND B.F.P. TEST TAGS INSTALLED.
         .3 FLOW TEST PERFORMED AND CONNECTION TO FIRE ALARM SYSTEM (BY ELECTRICAL) INCLUDING TESTING AND VERIFICATION. REPORT SUBMITTED BY ELECTRICAL.
      .2 PLUMBING & UTILITIES:
         .1 SEISMIC CERTIFICATION LETTER SUBMITTED.
         .2 BACKFLOW PREVENTER TEST REPORTS SUBMITTED AND B.F.P. TEST TAGS INSTALLED.
      .3 HVAC:
         .1 SEISMIC CERTIFICATION LETTER SUBMITTED.
   .3 MECHANICAL SCOPE OF WORK CONSIDERED COMPLETE WHEN THE FOLLOWING ITEMS HAVE BEEN RECEIVED AND REVIEWED BY ENGINEER:
      .1 ALL SHOP DRAWINGS LISTED IN THIS SPECIFICATION.
      .2 BALANCING REPORT IN ACCORDANCE WITH TAB SECTION IN SPECIFICATIONS.
      .3 AS–BUILT DRAWINGS SHOWING AS–BUILT CONDITIONS COMPLETE WITH RED LINED MARKUPS TO PROJECT MANAGER WITH CONTRACTOR'S SIGNATURE.
      .4 START–UP REPORT FROM MANUFACTURER OF EQUIPMENT.
      .5 THREE (3) COPIES OF OPERATIONS AND MAINTENANCE MANUALS CONTAINING ALL ITEMS PREVIOUSLY REVIEWED BY ENGINEER IN A THREE RING BINDER AND DIVIDERS ORGANIZING ALL SUBMISSIONS BY EACH MECHANICAL TRADE. OPERATIONS MANUAL TO ALSO INCLUDE THE FOLLOWING BUT SHALL NOT BE LIMITED TO:
         .1 LIST OF TRADES INVOLVED AND CONTACT INFORMATION.
         .2 CONTRACTOR'S LETTER OF WARRANTY.
         .3 ALL LETTERS REQUIRED FOR WORKPLACE CONFORMANCE.

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHER FAILURE TO OBTAIN AND / OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

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DRAWING TITLE/TITRE DU DESSIN
MECHANICAL
DRAWING LIST AND LEGENDS

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PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE TYPE	LOCATION	MANUFACTURER	MODEL	COLOUR	TRIM MANUFACTURER & MODEL	ACCESSORIES	NOTES
WC1	WALL MOUNT WATER CLOSET & ELECTRONIC FLUSH VALVE	GROUP WASHROOMS	AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE 4.8L	3351.101	WHITE	FLUSH VALVE: DELTA 1600T6102ARI-48 W/ 1600T6102ATR-48	SEAT: HEAVY DUTY OPEN FRONT LESS COVER	BOWL: VITREOUS CHINA, ELONGATED, HIGH EFFICIENCY, LOW CONSUMPTION 4.8L, TOP SPUD, SIPHON ACTION, WALL ROUGH-IN, 54MM GLAZED TRAP, 381MM HIGH; FLUSH VALVE: EXPOSED, CHROME PLATED, HARDWIRED, SENSOR OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, ADJUSTABLE FLOW 4.8LPF, VANDAL RESISTANT, ANGLE STOP CHECK STOP.
WC2	BARRIER-FREE WALL WATER CLOSET & ELECTRONIC FLUSH VALVE	GROUP WASHROOMS	AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE 4.8L	3351.101	WHITE	FLUSH VALVE: DELTA 1600T6102ARI-48 W/ 1600T6102ATR-48	SEAT: HEAVY DUTY OPEN FRONT LESS COVER; BACK REST(FRANKE CM-16104)	BOWL: VITREOUS CHINA, ELONGATED, HIGH EFFICIENCY, LOW CONSUMPTION 4.8L, TOP SPUD, SIPHON ACTION, WALL ROUGH-IN, 54MM GLAZED TRAP, 419MM HIGH; FLUSH VALVE: EXPOSED, CHROME PLATED, HARDWIRED, SENSOR OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, ADJUSTABLE FLOW 4.8LPF, VANDAL RESISTANT, ANGLE STOP & CHECK STOP.
WC3	FLOOR MOUNT WATER CLOSET & ELECTRONIC FLUSH VALVE	WASHROOMS	AMERICAN STANDARD MADERA FLOWISE 15" ELONGATED 4.8L	3451.001	WHITE	FLUSH VALVE: DELTA 1600T6302ARI-48 W/ 1600T6302ATR-48	SEAT: HEAVY DUTY OPEN FRONT LESS COVER	BOWL: VITREOUS CHINA, ELONGATED, HIGH EFFICIENCY, LOW CONSUMPTION 4.8L, TOP SPUD, SIPHON ACTION, WALL ROUGH-IN, 54MM GLAZED TRAP, 381MM HIGH; FLUSH VALVE: EXPOSED, CHROME PLATED, HARDWIRED, SENSOR OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, ADJUSTABLE FLOW 4.8LPF, VANDAL RESISTANT, ANGLE STOP & CHECK STOP.
WC4	BARRIER-FREE FLOOR WATER CLOSET & ELECTRONIC FLUSH VALVE	WASHROOMS	AMERICAN STANDARD MADERA FLOWISE 419MM HIGH 4.8L	3461.001	WHITE	FLUSH VALVE: DELTA 1600T6302ARI-48 W/ 1600T6302ATR-48	SEAT: HEAVY DUTY OPEN FRONT LESS COVER; BACK REST(FRANKE CM-16104)	BOWL: VITREOUS CHINA, ELONGATED, HIGH EFFICIENCY, LOW CONSUMPTION 4.2L, TOP SPUD, SIPHON ACTION, WALL ROUGH-IN, 54MM GLAZED TRAP, 419MM HIGH; FLUSH VALVE: EXPOSED, CHROME PLATED, HARDWIRED, SENSOR OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, ADJUSTABLE FLOW 4.8LPF, VANDAL RESISTANT, ANGLE STOP & CHECK STOP
WC5	FLOOR MOUNT WATER CLOSET & MANUAL FLUSH VALVE	DAYCARE AND CLASSROOMS WHERE INDICATED	AMERICAN STANDARD MADERA FLOWISE 15" ELONGATED 4.8L	3451.001	WHITE	FLUSH VALVE: DELTA 81T201 4.8L ADJUSTABLE FLOW	SEAT: HEAVY DUTY CLOSED FRONT LESS COVER	BOWL: VITREOUS CHINA, ELONGATED, HIGH EFFICIENCY, LOW CONSUMPTION 4.8L, TOP SPUD, SIPHON ACTION, WALL ROUGH-IN, 54MM GLAZED TRAP, 381MM HIGH; FLUSH VALVE: EXPOSED, CHROME PLATED, MANUALLY OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, ADJUSTABLE FLOW 4.8LPF, VANDAL RESISTANT, ANGLE STOP & CHECK STOP.
U1	BARRIER-FREE ULTRA HIGH EFFICIENT URINAL	WASHROOMS	AMERICAN SRANDARD WASHBROOK FLOWISE	6590001	WHITE	FLUSH VALVE: DELTA 1600T6402ARI-05 W/ 1600T6402ATR-05	WALL HANGER	URINAL: VITREOUS CHINA, 0.5LPF, WASHOUT ACTION, 20MM TOP INLET; FLUSH VALVE: EXPOSED CHROME PLATED, HARDWIRED, SENSOR OPERATED, SELF-CLEANING PISTON OPERATION, SINGLE FLUSH, 0.5LPF, VANDAL RESISTANT, ANGLE STOP & CHECK STOP.
WF1	BARRIER-FREE WASH FOUNTAIN 3-USERS	WASHROOMS	BRADLEY	LVRD3	QUARTZ - ARCHITECT TO CONFIRM	DELTA 87T105 (QTY OF 3 PER WF)	FLOOR MOUNTED HD WALL CARRIER, P-TRAP WITH CLEAN-OUT, BRASS QUARTER TURN STOPS, CHECK STOPS, ESCUTCHEON PLATES AND THERMOSTATIC MIXING VALVE MV1.	WALL MOUNTED LAVATORY SYSTEM, BARRIER FREE, 3-USERS LESS FAUCETS, CENTRE HOLE DRILLING, STAINLESS STEEL ACCESS PANEL AND THERMOSTATIC MIXING VALVE; TRIM: SINGLE HANDLE METERING FAUCET, SOLID BRASS CONSTRUCTION, VANDAL RESISTANT HANDLE ACTUATOR, 1.9 L/min VR NON-AERATING SPRAY OUTLET, SINGLE HOLE 0.5 gpm OUTLET.
L1	LAVATORY	WASHROOMS	AMERICAN STANDARD LUCERNE	355.012	WHITE	DELTA 87T105 W/ 87T151 COVER PLATE	FLOOR MOUNTED H/D CARRIER WITH CONCEALED ARM SUPPORT, CHROME PLATED P-TRAP WITH CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT, CHECK STOPS, ESCUTCHEON PLATES & OPEN GRID STRAINER, WATER & DRAIN INSULATION KIT AND TEMPERING VALVE MV1.	LAV: VITREOUS CHINA, WALL MOUNTED, FOR CONCEALED ARM SUPPORT, FRONT OVERFLOW, SELF-RIMMING, SELF-DRAINING DECK,102MM CENTRES; TRIM: SINGLE HANDLE METERING FAUCET, SOLID BRASS CONSTRUCTION, VANDAL RESISTANT HANDLE ACTUATORS, 1.9LPM VR NON-AERATING SPRAY OUTLET, 102MM CENTERS, CAST OPEN GRID STRAINER.
L2	BARRIER-FREE LAVATORY ELECTRONIC FAUCET	WASHROOMS	AMERICAN STANDARD MURRO W/ SHROUD	954.004EC + 0059.020EC	WHITE	DELTA 591T0290	VITREOUS CHINA SHROUD, FLOOR MOUNTED H/D CARRIER WITH CONCEALED ARM SUPPORT, BRASS OFF-SET TRAP W/CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT, CHECK STOPS, ESCUTCHEON PLATES & OPEN GRID STRAINER AND TEMPERING VALVE MV1.	LAV: VITREOUS CHINA, WALL MOUNTED, FOR CONCEALED ARM SUPPORT, FRONT OVERFLOW, SELF-RIMMING, SELF-DRAINING DECK,102MM CENTRES; TRIM: SINGLE HANDLE METERING FAUCET, SOLID BRASS CONSTRUCTION, VANDAL RESISTANT HANDLE ACTUATORS, 1.9LPM VR NON-AERATING SPRAY OUTLET, 102MM CENTERS, CAST OPEN GRID STRAINER.
L3	LAVATORY	WASHROOMS	AMERICAN STANDARD CADET	0419.444EC	WHITE	DELTA 87T105 W/ 87T151 COVER PLATE	CHROME PLATED P-TRAP WITH CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT, CHECK STOPS, ESCUTCHEON PLATES & OPEN GRID STRAINER	LAV: VITREOUS CHINA, FRONT OVERFLOW, SELF-RIMMING, SELF-DRAINING DECK,102MM CENTRES; TRIM: ELECTRONIC FAUCET, SOLID BRASS CONSTRUCTION, VANDAL RESISTANT 1.32LPM VR NON-AERATING SPRAY OUTLET, 102MM CENTERS, CAST OPEN GRID STRAINER.
SS1	SERVICE SINK	CONCIERGE	FRANKE	FSS222210/ 316-1	STAINLESS STEEL	DELTA 28C9LH	HOSE & WALL HOOK	SINK: 16 GA SQUARE CORNER MOP SINK, 610X610X250MM DEEP BOWL WITH INTEGRAL 300MM HIGH SS SIDES (RIGHT OR LEFT AS PER DRAWINGS), STAINLESS STEEL CONSTRUCTION W/ 50MM DIA STRAINER; TRIM: EXPOSED ROUGH BRASS MOP SINK FAUCET 200MM CENTRES WITH TWO 100MM LEVER HANDLES, CERAMIC STRUCTURE, INTEGRAL CHECK STOPS, VACUUM BREAKER ADJUSTABLE TOP BRACE, & HOSE END SPOUT.
S1	SINGLE COMPARTMENT SINK	CLASSROOMS OR WHERE INDICADED	KINDRED	LBS6808 -1/3	STAINLESS STEEL	DELTA 26C3943-LS-TI	BRASS TAILPIECE & PVC P-TRAP W/ CLEAN-OUT, TEMPERING VALVE MV1, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT & CHECK STOPS, AND ESCUTCHEON PLATES	SINK: LEDGE BACK, 460X410X200MM DEEP BOWL, 302 18-8 SERIES STAINLESS STEEL, 20 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED & CUSTOM CENTRES; TRIM: BARRIER-FREE, 200MM CENTRES, DECK MOUNTED MIXING GOOSENECK FAUCET W/ 300MM HIGH TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 5.7L/min (1.5GPM) AERATOR, LOW-LEAD BRASS CONSTRUCTION, LIMITED SWING (120), TEMPERATURE INDICATORS
S2	TWO COMPARTMENT SINK	STAFF ROOM	FRANKE	LBD7508P-1/ 3	STAINLESS STEEL	DELTA 26C3943-LS-TI	BRASS TAILPIECE & PVC P-TRAP W/ CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT & CHECK STOPS, AND ESCUTCHEON PLATES	SINK: LEDGE BACK, DOUBLE BOWL, 380X430X200MM DEEP BOWL, 302 18-10 SERIES STAINLESS STEEL, 20 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED & 200MM CENTRES; TRIM: BARRIER-FREE, 200MM CENTRES, DECK MOUNTED MIXING GOOSENECK FAUCET W/ 300MM HIGH TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 5.7L/min (1.5GPM) AERATOR, LOW-LEAD BRASS CONSTRUCTION, LIMITED SWING (120), TEMPERATURE INDICATORS
S3	THREE COMPARTMENT SINK	CUISINE	FRANKE	LBT6410PCB-1 -3	STAINLESS STEEL	DELTA 26C3283-S8	BRASS TAILPIECE & PVC P-TRAP W/ CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT & CHECK STOPS, AND ESCUTCHEON PLATES	SINK: LEDGE BACK, TRIPLE BOWL, 360X410X250MM DEEP BOWL, 304 18-10 SERIES STAINLESS STEEL, 18 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED & 200MM CENTRES; TRIM: BARRIER-FREE, 200MM CENTRES, DECK MOUNTED MIXING FAUCET W/ 356MM LONG TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 8.3L/min (2.2GPM) LAMINAR OUTLET, LOW-LEAD BRASS CONSTRUCTION , TEMPERATURE INDICATORS
S4	SINGLE COMPARTMENT SINK	CUISINE	FRANKE	LBS6807-1-3	STAINLESS STEEL	DELTA 26C3983-LS-TI	BRASS TAILPIECE & PVC P-TRAP W/ CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT & CHECK STOPS, AND ESCUTCHEON PLATES	SINK: SINGLE COMPARTMENT SELF-RIMMING LESS FAUCET EDGE, 406X457X178MM DEEP BOWL, 301 18-8 SERIES STAINLESS STEEL, 20 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED; TRIM: 200MM CENTRES, DECK MOUNTED MIXING GOOSENECK FAUCET W/ 300MM HIGH TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 8.3L/min (2.2GPM) LAMINAR FLOW, LOW-LEAD BRASS CONSTRUCTION, LIMITED SWING (120), TEMPERATURE INDICATORS; MOUNT EYE WASH IN LIEU OF AERATOR WITH THREADED ADAPTORS
S5	SINGLE COMPARTMENT SINK WITH INTERCEPTOR	SALLE MULTI-FONCTIONNELLE, INFIRMERIE	FRANKE	LBS6808-1	STAINLESS STEEL	DELTA 26C3943-LS-TI	BRASS TAILPIECE & PVC P-TRAP W/ CLEAN-OUT, BRASS QUARTER TURN STOPS WITH SCREWDRIVER SLOT & CHECK STOPS, AND ESCUTCHEON PLATES AND SOLID INTERCEPTOR WATTS SI-740-SS	SINK: LEDGE BACK, 460X4406X200MM DEEP BOWL, 302 18-8 SERIES STAINLESS STEEL, 20 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED & 200MM CENTRES; TRIM: BARRIER-FREE, 200MM CENTRES, DECK MOUNTED MIXING GOOSENECK FAUCET W/ 300MM HIGH TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 5.7L/min (1.5GPM) AERATOR, LOW-LEAD BRASS CONSTRUCTION, LIMITED SWING(120), TEMPERATURE INDICATORS
S6	SINGLE BOWL STAINLESS STEEL	BUANDERIE	KINDRED	STEEL QUEEN QSLA2031-8-3	STAINLESS STEEL	DELTA 26C3943-LS-TI	GUARDIAN FAUCET MOUNTED EYEWASH G1100,	SINK: LEDGE BACK, 730X410X200MM DEEP BOWL, 18/10 GRADE STAINLESS STEEL, 20 GA, SATIN FINISH, 89MM DIA CRUMP CUP STRAINER, UNDERCOATED; TRIM: BARRIER-FREE, 200MM CENTRES, DECK MOUNTED MIXING GOOSENECK FAUCET W/ 300MM HIGH TUBULAR SWING SPOUT, 76MM BLADE HANDLES, CHROME PLATED FINISH, SOLID BRASS BODY, CERAMIC STRUCTURE, METAL HOLD-DOWN PACKAGE, 5.7L/min (1.5GPM) AERATOR, LOW-LEAD BRASS CONSTRUCTION, LIMITED SWING(120), TEMPERATURE INDICATORS
SH1	UNIVERSAL WASHROOM SHOWER	UNIVERSAL WASHROOM	TRIM ONLY	-	-	POWERS E420-T120002	DELUXE METAL HOSE,HANDHELD SHOWER HEAD & 900MM LONG ADA GRAB BAR	TRIM: PRESSURE & TEMPERATURE MIXING VALVE, THERMAL ACTUATOR, BUILT-IN ADJUSTABLE TEMPERATURE STOP INTEGRAL CHECK STOPS, 13MM CONNECTIONS, HEAVY DUTY CAST BRASS BODY, LEVER HANDLE, ADJUSTABLE LIMIT STOPS, 5.7L/min @ 552kPA
DF1	DRINKING FOUNTAIN REFRIGERATED	ASCENSEUR	ELKAY	LZS8WSS	STAINLESS STEEL	-	FLOOR MOUNTED WALL CARRIER	REFRIGERATED WALL MOUNTED, ADA COMPLIANT, VANDAL RESISTANT, 18 GA, 304 STAINLESS STEEL, FLEXGUARDS SAFETY BUBBLER HEAD, WASTE STRAINER & ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION.
DF2	DRINKING FOUNTAIN REFRIGERATED WITH BOTTLE FILLER	ASCENSEUR	ELKAY	LZS8WSSK	STAINLESS STEEL	-	ELECTRONIC BOTTLE FILLER, FLOOR MOUNTED WALL CARRIER	REFRIGERATED WALL MOUNTED, ADA COMPLIANT, VANDAL RESISTANT, 18 GA, 304 STAINLESS STEEL, FLEXGUARDS SAFETY BUBBLER HEAD, WASTE STRAINER & ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE BUBBLER PUSHBAR ACTIVATION.
DF3	DRINKING FOUNTAIN NON REFRIGERATED	PAJE	ELKAY	EDFP210C	STAINLESS STEEL	-	FLOOR MOUNTED WALL CARRIER	NON-REFRIGERATED WALL MOUNTED, ADA COMPLIANT, VANDAL RESISTANT PUSH BUTTON OPERATED, 18 GA. 304 STAINLESS STEEL, FLEXGUARDS SAFETY BUBBLER HEAD & WASTE STRAINER.
NFHB	NON-FREEZE HOSE BIBB	EXTERIOR	WATTS	HY725	POLISHED NICKEL BRONZE	-	-	CONCEALED NON-FREEZE, KEY OPERATED, RECESSED WALL HYDRANT, INTEGRAL VACUUM BREAKER, 19MM HOSE END, ALL BRONZE HEAD, AND HYDRANT KEY
WB1	CLOTHES WASHER WASH BOX	BUANDERIE	SIOUX CHIEF	696 SERIES	WHITE	-	VALVES, ARRESTORS, OUTLET BOX	RECESSED DOUBLE HOSE OUTLET CONNECTION BOX WITH DRAIN BOX & FRAME, ABS MATERIAL, 89MM DEEP
WB2	DISHWASHER WASH BOX	CUISINE	SIOUX CHIEF	696 SERIES	WHITE	-	VALVES, ARRESTOR, PRV	RECESSED SINGLE HOSE OUTLET CONNECTION BOX & FRAME, ABS MATERIAL, 89MM DEEP; PLUMBING CONTRACTOR SHALL PROVIDE 13MM PRESSURE REDUCING VALVE TO MAINTAIN MAXIMUM 20 PSI TO DISHWASHER ON LEAVING SIDE OF WB
FD1	FLOOR DRAIN	AS INDICATED	WATTS	FD-100-C-L	NICKEL BRONZE	-	TRAP PRIMER	STANDARD DUTY FLOOR DRAIN, ADJUSTABLE, EPOXY COATED CAST IRON BODY, MEMBRANE CLAMP, 125 X 125MM SQUARE NICKEL BRONZE STRAINER, & TRAP PRIMING CONNECTION
FD2	FLOOR DRAIN W/ FUNNEL	AS INDICATED	WATTS	FD-100-C-EG	NICKEL BRONZE	-	TRAP PRIMER	STANDARD DUTY FLOOR DRAIN, ADJUSTABLE, EPOXY COATED CAST IRON BODY, MEMBRANE CLAMP, 125MM DIA ROUND NICKEL BRONZE STRAINER, 100X230MM OVEL FUNNEL & TRAP PRIMING CONNECTION
FD3	HUB FLOOR DRAIN	AS INDICATED	WATTS	FD-100-C-DD	NICKEL BRONZE	-	TRAP PRIMER	STANDARD DUTY FLOOR DRAIN, ADJUSTABLE, EPOXY COATED CAST IRON BODY, MEMBRANE CLAMP, 125MM DIA ROUND NICKEL BRONZE HUB & TRAP PRIMING CONNECTION
FD4	ELEVATOR PIT DRAIN	AS INDICATED	WATTS	BV-600	NICKEL BRONZE	-	TRAP PRIMER	EPOXY COATED CAST IRON PIT DRAIN WITH BACK WATER VALVE & NICKEL BRONZE GRATE & CLAMP
FD5	SHOWER DRAIN	AS INDICATED	SCHLUTER	KERDI-DRAIN KD3/PVC/6E	STAINLESS STEEL	-	TRAP PRIMER	75MM DIA PVC OUTLET 150MM SQUARE STAINLESS STEEL GRATE, AND 75MM DIA FLANGE KIT
RD1	FLOW CONTROL ROOF DRAIN	ROOF AS INDICATED	WATTS	RD-100-A-ADJ	CAST IRON	-	FLOW CONTROL WEIR	ONE-PIECE FLOW CONTROL, LARGE SUMP ROOF DRAIN; EPOXY COATED CAST IRON BODY, ELASTOMERIC FLANGE, UNDER DECK CLAMP AND SUMP RECEIVER TO SUIT ROOF CONSTRUCTION, WITH BEARING PAN, ANCHOR FLANGE AND DUCTILE IRON VANDAL PROOF DOME. 5 USGPM/1" OF HEAD UP TO 6".
RD2	FLOW CONTROL SCUPPER ROOF DRAIN	ROOF AS INDICATED	WATTS	RD-270	CAST IRON	-	FLOW CONTROL SCUPPER	EPOXY COATED CAST IRON SCUPPER DRAIN WITH FLASHING CLAMP, SECURED ANGLE GRATE AND NO-HUB OUTLET.
EEW1	SWING DOWN EMERGENCY EYE WASH STATION	CONCIERGE	HAWS	7656WCSM	STAINLESS STEEL	-	THERMOSTATIC MIXING VALVE HAWS 9201EW W/ SS SURFACE MOUNTED CABINET HAWS 9200SUR	WALL SURFACE MOUNTED, SWING DOWN EYE WASH, STAINLESS STEEL CONSTRUCTION, POLISHED CHROME PLATED BRASS PULL DOWN VALVE, , TEMPERATURE GAUGE, THERMOSTATIC VALVE.
EEW2	SINK MOUNTED, SWING DOWN EMERGENCY EYE WASH STATION	INFIRMERIE, BUANDERIE	HAWS	7610	STAINLESS STEEL	-	THERMOSTATIC MIXING VALVE HAWS 9201EW	SINK MOUNTED, BARRIER-FREE, INCLUDING THERMOSTATIC VALVE.
MV1	THERMOSTATIC MIXING VALVE	WHERE SPECIFIED	WATTS	LFMMV-UT-M1	LEAD-FREE CAST COPPER	-	400 X 400MM 16 GA STASINLESS STEEL GENERAL PURPOSE ACCESS DOOR, CENDREX AHD SERIES	POINT OF USE, 1.9LPM MIN- 38LPM MAX FLOW, 13MM THREADED INLET/OUTLET, CAST COPPER CONSTRUCTION, CHECK STOPS, FOR CONCEALED APPLICATIONS, 125PSI RATED; AJUST TO 49C (120F); SUPPLY ONE MV PER GROUP OR FIXTURE
MV2	THERMOSTATIC MIXING VALVE	DHWT1	WATTS	LFN170	LEAD-FREE BRASS BODY	-	-	MASTER MIXING VALVE, BRASS BODY CONSTRUCTION, 125PSI RATED

NOTES: 1. COORDINATE EXACT PIPING LOCATIONS ON SITE.
2. VENT TO MEET OBC REQUIREMENTS, VENTING THROUGH SLOPED ROOFS NOT PERMITTED.
3. ALL SINKS IDENTIFIED AS BUILT-IN: BASINS BY GENERAL TRADES. ALL OTHER ASSOCIATED ACCESSORIES AND TRIM BY MECHANICAL. ALL PIPEWORK TO BE INSTALLED NEATLY AND COORDINATED WITH ALL OTHER TRADES.
4. ALTERNATIVE MANUFACTURERS & MODEL NUMBERS SHALL NOT BE ACCEPTED.
5. MINIMUM UNDERGROUND SANITARY PIPING SIZE TO BE 50ø.
6. INSTALLATION OF BARRIER FREE FIXTURES SHALL COMPLY WITH BARRIER FREE REQUIREMENTS OF OBC.
7. FOR BARRIER FREE SINKS & LAVATORIES, INSULATE DOMESTIC HOT WATER AND DRAIN PIPING UNDER COUNTER WITH OFFSET TAILPIECES. SEE ARCH. DWG FOR DETAILS. ACCEPTABLE MATERIAL: SKALLGUARD WHITE OR MINERAL FIBRE WITH WHITE PVC JACKET.
8. ALL FLOOR DRAINS SHALL BE TRAPPED AND PRIMED.
9. ALL POINTS OF USE MIXING VALVES TO BE CONCEALED WITHIN WALLS BEHIND ACCESS DOORS, CONTAINED WITHIN SPECIFIED SHROUD WHERE SPACE IS AVAILABLE OR SECURED TO UNDERSIDE COUNTERTOP SUPPLY HOSE SECURED IN NEATLY INSTALLED FASHION.

HEATING COIL SCHEDULE

TAG	LOCATION	OVERALL DIMENSIONS (mm)	COIL DATA: HEATING CAP. TOTAL kW (MBH)	AIR FLOW L/s (CFM)	WATER FLOW L/s (gpm)	E.W.T. °C (°F)	L.W.T. °C (°F)	MAX PRESS. DROP kPa (ft WC)	E.A.T. °C (°F)	L.A.T. °C (°F)	MAX AIR PRESS. DROP Pa (in WC)	BASIS OF DESIGN	REMARKS
HC108	EED 108	500x300 (20x12)	6.24 (21.3)	451 (955)	0.09 (1.4)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.4 (85.0)	25 (0.1)	-	-
HC129	PAJE 129	450x350 (18x14)	6.91 (23.6)	491 (1040)	0.10 (1.6)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.6 (85.3)	25 (0.1)	-	-
HC131	PAJE 131	450x400 (18x16)	6.88 (23.5)	514 (1090)	(1.6)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.3)	25 (0.1)	-	-
HC132	PAJE 132	450x350 (18x14)	6.91 (23.6)	491 (1040)	(1.6)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.6 (85.3)	25 (0.1)	-	-
HC133	PAJE 133	450x350 (18x14)	6.73 (23.0)	488 (1035)	(1.5)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.3 (84.8)	25 (0.1)	-	-
HC135-FPB1	SALLE D'ACTIVITE POUPONS 135	-	3.34 (11.4)	248 (525)	-	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.4)	25 (0.1)	-	NO LOOSE COIL. SEE FAN POWERED BOX SCHEDULE
HC135D	SALLE DE REPOS 135D	250x150 (10x6)	1.23 (4.2)	88 (190)	(0.3)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.3 (84.7)	25 (0.1)	-	-
HC139-FPB3	SALLE D'ACTIVITE PRESCOLAIRES 139	-	7.05 (24.1)	524 (1090)	-	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.4)	25 (0.1)	-	NO LOOSE COIL. SEE FAN POWERED BOX SCHEDULE
HC140-FPB2	SALLE D'ACTIVITE BAMBINS 140	-	5.37 (18.3)	399 (845)	-	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.4)	25 (0.1)	-	NO LOOSE COIL. SEE FAN POWERED BOX SCHEDULE
HC200	SALLE DE TRAVAIL 200	325x225 (11x9)	2.52 (8.6)	189 (400)	(0.6)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.3)	25 (0.1)	-	-
HC203	CLASSE 203	350x300 (14x12)	4.74 (16.2)	319 (675)	(1.1)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.3 (86.6)	25 (0.1)	-	-
HC204	CLASSE 204	375x300 (15x12)	4.95 (16.9)	330 (700)	(1.1)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.4 (86.7)	25 (0.1)	-	-
HC211	CLASSE 211	400x300 (16x12)	4.81 (16.4)	356 (755)	(1.1)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.1 (84.4)	25 (0.1)	-	-
HC215	CLASSE 215	400x300 (16x12)	5.04 (17.2)	342 (725)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.2 (86.3)	25 (0.1)	-	-
HC216	CLASSE 216	400x300 (16x12)	5.39 (18.4)	359 (760)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.4 (86.7)	25 (0.1)	-	-
HC217	APPOINT 217	375x337 (15x13.5)	5.59 (19.1)	378 (800)	(1.3)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.3 (86.5)	25 (0.1)	-	-
HC218	CLASSE 218	400x300 (16x12)	5.09 (17.4)	349 (740)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.1 (86.1)	25 (0.1)	-	-
HC219	CLASSE 219	400x300 (16x12)	5.01 (17.1)	340 (720)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.2 (86.4)	25 (0.1)	-	-
HC220	CLASSE 220	400x300 (16x12)	4.74 (16.2)	347 (735)	(1.1)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.2 (84.7)	25 (0.1)	-	-
HC221	CLASSE 221	400x300 (16x12)	5.04 (17.2)	342 (725)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.2 (86.3)	25 (0.1)	-	-
HC222	CLASSE 222	400x350 (16x12)	5.97 (20.4)	425 (900)	(1.4)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.6 (85.3)	25 (0.1)	-	-
HC223	CLASSE 223	350x350 (14x14)	5.27 (18.0)	363 (770)	(1.2)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	30.0 (86.0)	25 (0.1)	-	-
HC224	CLASSE 224	412x375 (16.5x15)	6.76 (23.1)	470 (995)	(1.6)	54.4 (130)	37.8 (100)	24.2 (8)	18 (64.4)	29.9 (85.9)	25 (0.1)	-	-

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. COILS SHALL HAVE ACCESS DOORS FOR CLEANING & INSPECTION.
3. MAX COIL AIR VELOCITY SHALL BE 2.5m/s (500fpm).

BACKFLOW PREVENTER SCHEDULE

TAG	LOCATION	FUNCTION	HAZARD	CONNECTION SIZE mm (in)	FLOW RATE (L/s)	INLET PRESSURE (kPa)	PRESSURE DROP (kPa)	BASIS OF DESIGN	REMARKS
BFP-1	MECHANICAL ROOM 134A	FIRE PROTECTION	DCVA	150 (6)	-	-	-	WATTS 757	* SUPPLIED BY FIRE PROTECTION CONTRACTOR
BFP-2	MECHANICAL ROOM 134A	DOMESTIC WATER	DCVA	75 (3)	-	-	-	WATTS 757	* C/W STRAINER
BFP-3	MECHANICAL ROOM 202A	BOILER MAKEUP	RP	25 (1)	-	-	-	WATTS 009	* C/W STRAINER

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

SUMP PUMP SCHEDULE

UNIT NO.	LOCATION	FUNCTION	TYPE	PUMP DATA: DESIGN FLOW L/s (gal/min)	DESIGN HEAD kPa (ft WC)	RPM	MIN. EFFICIENCY (%)	ELECTRICAL DATA: MOTOR HP	V/PH/Hz	AMPS	BASIS OF DESIGN	REMARKS
SP1-A	MECHANICAL ROOM 103	SANITARY SUMP PUMP	SUBMERSIBLE	3.15 (50)	60 (20)	1550	-	1/2	120/1/60	8.6	HYDROMATIC SHEF45	CAST IRON CONSTRUCTION, 50MMø OUTLET, 50MM SOLIDS, DUPLEX PUMP CONTROLLER, HIGH WATER ALARM, FLOAT SWITCHES, SLOTTED BRACKET, CHAIN AND RAIL LIFT SYSTEM
SP1-B	MECHANICAL ROOM 103	SANITARY SUMP PUMP	SUBMERSIBLE	3.15 (50)	60 (20)	1550	-	1/2	120/1/60	8.6	HYDROMATIC SHEF45	CAST IRON CONSTRUCTION, 50MMø OUTLET, 50MM SOLIDS, DUPLEX PUMP CONTROLLER, HIGH WATER ALARM, FLOAT SWITCHES, SLOTTED BRACKET, CHAIN AND RAIL LIFT SYSTEM
SP2-A	MECHANICAL ROOM 103	STORM SUMP PUMP	SUBMERSIBLE	3.15 (50)	60 (20)	1550	-	1/2	120/1/60	8.6	HYDROMATIC SHEF45	CAST IRON CONSTRUCTION, 50MMø OUTLET, 50MM SOLIDS, DUPLEX PUMP CONTROLLER, HIGH WATER ALARM, FLOAT SWITCHES, SLOTTED BRACKET, CHAIN AND RAIL LIFT SYSTEM
SP2-B	MECHANICAL ROOM 103	STORM SUMP PUMP	SUBMERSIBLE	3.15 (50)	60 (20)	1550	-	1/2	120/1/60	8.6	HYDROMATIC SHEF45	CAST IRON CONSTRUCTION, 50MMø OUTLET, 50MM SOLIDS, DUPLEX PUMP CONTROLLER, HIGH WATER ALARM, FLOAT SWITCHES, SLOTTED BRACKET, CHAIN AND RAIL LIFT SYSTEM

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

DOMESTIC HOT WATER HEATER SCHEDULE

TAG	LOCATION	INPUT kW (MBH)	STORAGE CAPACITY L (gal)	RECOVERY RATE L/hr @ 56°C (gal/hr @ 100°F)	MIN-MAX GAS INLET PRESSURE kPa (in WC)	ELECTRICAL DATA: AMPS	V/PH/Hz	BASIS OF DESIGN	REMARKS
DHWT-1	MECHANICAL ROOM 202A	73 (250)	379 (100)	1101 (291)	1.10-3.49 (3.5-14)	5	120/1/60	AO SMITH CYCLONE BTH-250	MODULATING CONDENSING GAS WATER HEATER, DIRECT VENT, VERTICAL CONCENTRIC VENT KIT, NEUTRALIZING KIT.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

GREASE INTERCEPTOR SCHEDULE

TAG	LOCATION	FUNCTION	FOW RATE L/s (gpm)	INLET ømm (øin)	OUTLET ømm (øin)	LENGTH mm (in)	WIDTH mm (in)	HEIGHT mm (in)	BASIS OF DESIGN	REMARKS
GI-1	CUISIINE	KITCHEN GREASE	3.15 (50)	75 (3)	75 (3)	889 (35)	584 (23)	349 (13.75)	SCHIER GB2	75ø INLET & OUTLET, POLYETHYLENE CONSTRUCTION, FULLY RECESSED, 450 LBS COVER.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

PUMP SCHEDULE

TAG	LOCATION	FUNCTION	TYPE	PUMP DATA: DESIGN FLOW L/s (gpm)	DESIGN HEAD kPa (ft WC)	RPM	ELECTRICAL DATA: MOTOR SIZE (HP)	V/PH/Hz	BASIS OF DESIGN	REMARKS
HP1	MECHANICAL ROOM 202A	B1 BOILER CIRC	INLINE	1.14 (18)	45 (15)	-	1/6	115/1/60	GRUNDFOS UPS 26-99 FC	-
HP2	MECHANICAL ROOM 202A	B2 BOILER CIRC	INLINE	1.14 (18)	45 (15)	-	1/6	115/1/60	GRUNDFOS UPS 26-99 FC	-
HP3	MECHANICAL ROOM 202A	B3 BOILER CIRC	INLINE	1.14 (18)	45 (15)	-	1/6	115/1/60	GRUNDFOS UPS 26-99 FC	FUTURE BOILER INSTALLATION
HP4	MECHANICAL ROOM 202A	HEATING WATER LOOP CIRC.	INLINE	3.79 (60)	105 (35)	1800	1.5	575/3/60	B&G SERIES E-80 1.5x1.5x7C	C/W INLINE MOUNTING, INTEGRATED VFD & PREMIUM EFFICIENCY INVERTER DUTY MOTOR, PRESSURE SENSOR/TRANSMITTER & DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
HP5	MECHANICAL ROOM 202A	HEATING WATER LOOP CIRC.	INLINE	3.79 (60)	105 (35)	1800	1.5	575/3/60	B&G SERIES E-80 1.5x1.5x7C	C/W INLINE MOUNTING, INTEGRATED VFD & PREMIUM EFFICIENCY INVERTER DUTY MOTOR, PRESSURE SENSOR/TRANSMITTER & DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
DP1	MECHANICAL ROOM 202A	DHW CIRC	INLINE	0.13 (2)	54 (18)	3000	1/25	120/1/60	ARMSTRONG ASTRO	* BRONZE BODY

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

EXPANSION TANK SCHEDULE

TAG	LOCATION	FUNCTION	TYPE (DIAPHRAGM/ BLADDER)	PRE-CHARGE PRESSURE kPa (psi)	OPERATING PRESSURE: MIN kPa (psi)	MAX kPa (psi)	OPERATING TEMPERATURE: MIN °C (°F)	MAX °C (°F)	TANK VOLUME L (gal)	ACCEPTANCE VOLUME L (gal)	ORIENTATION (HORIZONTAL/ VERTICAL)	BASIS OF DESIGN	REMARKS
ET1	MECHANICAL ROOM 202A	HEATING SYSTEM	DIAPHRAGM	83 (12)	103 (15)	380 (55)	20 (68)	82 (180)	127 (34)	43 (11)	VERTICAL	AMTROL AX-60V	-
ET2	MECHANICAL ROOM 202A	DOMESTIC HOT WATER	DIAPHRAGM	380 (55)	515 (75)	550 (80)	20 (68)	60 (140)	24 (6)	12 (3)	HORIZONTAL	AMTROL ST-12-C	FOR POTABLE WATER SYSTEMS
ET3	MECHANICAL ROOM 134A	DOMESTIC COLD WATER	DIAPHRAGM	380 (55)	515 (75)	550 (80)	4 (40)	20 (68)	24 (6)	12 (3)	HORIZONTAL	AMTROL ST-12-C	FOR POTABLE WATER SYSTEMS

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. PRE-CHARGE PRESSURE TO BE EQUIVALENT TO MINIMUM OPERATING PRESSURE.

BOILER SCHEDULE

TAG	LOCATION	MAX OPERATING PRESSURE kPa (psi)	FLOW L/s (gpm)	DELTA TEMP. °C (°F)	PRESSURE DROP kPa (ft WC)	INPUT kW (MBH)	OUTPUT kW (MBH)	EFFICIENCY (%)	TURNDOWN	TYPE	V/PH/Hz	BASIS OF DESIGN	REMARKS
B01	MECHANICAL ROOM 202A	414 (60)	1.16 (18.3)	16.6 (30)	22.2 (7.4)	83 (285)	77 (264)	92.6	4:1	HIGH EFFICIENCY CONDENSING	120/1/60-15A	VIESSMANN VITODENS 200-W B2HA-285	SEE NOTES BELOW
B02	MECHANICAL ROOM 202A	414 (60)	1.16 (18.3)	16.6 (30)	22.2 (7.4)	83 (285)	77 (264)	92.6	4:1	HIGH EFFICIENCY CONDENSING	120/1/60-15A	VIESSMANN VITODENS 200-W B2HA-285	SEE NOTES BELOW
B03	MECHANICAL ROOM 202A	414 (60)	1.16 (18.3)	16.6 (30)	22.2 (7.4)	83 (285)	77 (264)	92.6	4:1	HIGH EFFICIENCY CONDENSING	120/1/60-15A	VIESSMANN VITODENS 200-W B2HA-285	FUTURE INSTALLATION

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. MANUFACTURER NAME & MODEL NUMBER REPRESENT ACCEPTABLE QUALITY STANDARD. LOCHINVAR IS ALTERNATE ACCEPTABLE MANUFACTURER SUBJECT TO SHOP DRAWING REVIEW BY ENGINEER.
3. ALL INTAKE AND EXHAUST VENTING SHALL BE SIZED BY BOILER MANUFACTURER.
4. FACTORY FABRICATED 3-BOILER MANIFOLD ASSEMBLY INCLUDING LOW LOSS HEADER #200/120, LOW LOSS HEADER INSULATION KIT & CLADDING, LOW WATER CUT-OFF, BURNER & PUMP MODULES(x2), PRIMARY PUMPS (AS PER SCHEDULE), TWO PIPE VENT ADAPTER WITH VERTICAL DISCHARGE & NEUTRALIZING KIT.

FINNED TUBE RADIATION SCHEDULE

TAG	CABINET (SLOPED TOP / TOP OUTLET / FRONT OUTLET)	ARRANGEMENT (WALL MOUNTED / FREE STANDING)	PIPE SIZE mm (in)	FIN SIZE mmW x mmH	FINS/METRE	EWT °C (°F)	LWT °C (°F)	EAT °C (°F)	ENCLOSURE HEIGHT (mm)	TIER OF ELEMENT	BASIS OF DESIGN	REMARKS
R-1	TOP OUTLET	WALL MOUNTED	20 (3/4)	108x92	160	54.4 (130)	46.1 (115)	18 (64)	620	2-6 CL	STERLING JVB-AR24 WITH C3/4-435	CLASSIC FLAT TOP, 16GA ENCLOSURE WITH EXTRUDED ALUMINUM PENCIL PROOF TOP OUTLET, BAKED POWDER COATED PAINT FINISH. 2 TIER ELEMENT BRACKET, INNER & OUTER CORNERS, END PIECE AND ACCESS DOORS.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. DISCONNECT SWITCH BY DIV. 16.

RADIANT HEAT UNIT SCHEDULE

UNIT NO.	LENGTH (MM)	ARRANGEMENT	PIPE SIZE mm (in)	OUTPUT CAPACITY kW (MBH)	EWT °C (°F)	LWT °C (°F)	EAT °C (°F)	WIDTH mm (in)	BASIS OF DESIGN	REMARKS
RHU-1	1800	RECESSED CONVECTOR	20 (3/4)	2.4 (8.2)	54.4 (130)	37.8 (100)	20 (68)	107 (4.2)	JAGA SLIM CLIMA	C/W ALUMINUM FLOOR GRILLE, EMPTY DUCT AS SHOWN, BAS CONTROLLED

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

FORCE FLOW UNIT SCHEDULE

TAG	LOCATION	ARRANGEMENT	AIR FLOW L/s (cfm)	CAPACITY kW (MBH)	WATER FLOW L/s (gpm)	EWT °C (°F)	LWT °C (°F)	LAT °C (°F)	DIMENSIONS mmW x mmH x mmD (in)	ELECTRICAL DATA: MOTOR SIZE (HP)	V/PH/Hz	BASIS OF DESIGN	REMARKS
FF1	ESCALIER E100, E101 VESTIBULE V100	RECESSED WALL INVERTED FLOW	472 (1000)	9.6 (32.9)	0.29 (4.5)	54.4 (130)	46.1 (115)	38 (100)	1280x660x240 (50.5x26x9.5)	1/6	115/1/60	SIGMA SFF-A-10	C/W LIMITED ACCESS FASTENERS, DISCONNECT SWITCH W/ OVERLOADS, 2 ROW COIL, BAS CONTROLLED.
FF2	VESTIBULE V101, V102	RECESSED WALL INVERTED FLOW	189 (400)	4.7 (16.2)	0.14 (2.2)	54.4 (130)	46.1 (115)	48 (107)	1030x660x240 (40.5x26x9.5)	1/10	115/1/60	SIGMA SFF-A-04	C/W LIMITED ACCESS FASTENERS, DISCONNECT SWITCH W/ OVERLOADS, 2 ROW COIL, BAS CONTROLLED.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

UNIT HEATER SCHEDULE

TAG	LOCATION	AIR FLOW L/s (cfm)	CAPACITY kW (MBH)	WATER FLOW L/s (gpm)	EWT °C (°F)	LWT °C (°F)	ELECTRICAL DATA: MOTOR SIZE (HP)	V/PH/Hz	CABINET ARRANGEMENT	BASIS OF DESIGN	REMARKS
UH1	MECHANICAL ROOM 134A	189 (400)	1.6 (5.5)	0.05 (0.75)	54.4 (130)	46.1 (115)	1/20	115/1/60	HORIZONTAL AIR FLOW	SIGMA 015H	C/W OSHA FAN GUARD

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. OUTPUT BASED ON 21°C SPACE TEMPERATURE.

FIRE EXTINGUISHER SCHEDULE

TAG	TYPE	MOUNTING	REMARKS
FE1	DRY CHEMICAL	RECESSED	* PROVIDE PAINTED DOOR & FRAME, HEAVY DUTY GLASS FRONT, FIRE RATED CONSTRUCTION WHERE REQUIRED, REFER TO ARCHITECTURAL DRAWINGS.
FE2	CARBON DIOXIDE	WALL MOUNTED	* FOR ELECTRICAL ROOMS
FE3	DRY CHEMICAL	WALL MOUNTED	* C/W WALL BRACKET AND HARDWOOD BACKER BOARD
FE4	CLASS K	WALL MOUNTED	* FOR KITCHEN/SERVERIES
FE5	DRY CHEMICAL	FULLY RECESSED	* PROVIDE PAINTED DOOR & FRAME, HEAVY DUTY WIRED GLASS FRONT, FIRE RATED CONSTRUCTION WHERE REQUIRED, REFER TO ARCHITECTURAL DRAWINGS.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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DRAWING TITLE/TITRE DU DESSIN
MECHANICAL SCHEDULES I

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
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CHECKED BY VERIFIE PAR	R. LEONARD	M002		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		

PACKAGED HEAT PUMP ROOFTOP UNIT SCHEDULE WITH HEAT RECOVERY

TAG	LOCATION	AREA SERVED	OUTDOOR AIR L/s (cfm)	SUPPLY FAN			EXHAUST/RETURN FAN			GAS HEAT SECTION			
				AIR FLOW L/s (cfm)	EXTERNAL STATIC PRESSURE Pa (in w.c.)	MOTOR SIZE (HP)	AIR FLOW L/s (cfm)	EXTERNAL STATIC PRESSURE Pa (in w.c.)	MOTOR SIZE (HP)	INPUT kW (MBH)	OUTPUT kW (MBH)	E.A.T. (DB/WB) (°F)	L.A.T. (DB/WB) (°F)
RTU-1	ROOF	DAYCARE	566 (1200)	1415 (3000)	249 (1.0)	3	637 (1347)	62 (0.25)	1	26 (90)	21 (73)	65.8/56.9	87.9/64.9
RTU-2	ROOF	NORTH LEVEL 1	542 (1150)	1085 (2300)	249 (1.0)	2	602 (1276)	62 (0.25)	1	26 (90)	21 (73)	63.8/55.7	92.7/66.1
RTU-3	ROOF	NORTH LEVEL 2	1085 (2300)	2170 (4600)	249 (1.0)	5	2170 (4600)	62 (0.25)	2	57 (195)	46 (156)	61.1/54.2	92.1/65.5
RTU-4	ROOF	ADMIN	212 (450)	849 (1800)	311 (1.25)	2	849 (1800)	62 (0.25)	1	29 (100)	24 (81)	53/49.6	94.2/65.4
RTU-5	ROOF	EAST LEVELS 1 & 2	708 (1500)	1415 (3000)	249 (1.0)	3	1415 (3000)	62 (0.25)	2	44 (150)	35 (120)	61.7/54.6	98.2/67.6
RTU-6	ROOF	GYM	943 (2000)	1887 (4000)	249 (1.0)	3	1887 (4000)	62 (0.25)	2	57 (195)	46 (156)	62.3/54.9	97.9/67.6
RTU-7	ROOF	SOUTH LEVELS 1 & 2	1462 (3100)	2925 (6200)	249 (1.0)	7.5	2925 (6200)	62 (0.25)	5	79 (270)	64 (219)	63.8/55.5	96.0/66.9
RTU-8	ROOF	LIBRARY	472 (1000)	1604 (3400)	249 (1.0)	3	1604 (3400)	62 (0.25)	1	57 (195)	46 (156)	70.2/59.3	112.0/72.8

TAG	HEAT PUMP COOLING / HEATING COIL DATA						WHEEL AIR FLOW L/s (cfm)	SUMMER				WINTER			
	COOLING				HEATING NET CAPACITY @ 47°F kW (MBH)	HEATING NET CAPACITY @ 17°F kW (MBH)									
	TOTAL CAPACITY kW (MBH)	SENS CAPACITY kW (MBH)	E.A.T. (DB/WB) (°F)	L.A.T. (DB/WB) (°F)				TOTAL CAPACITY kW (MBH)	SENS. CAPACITY kW (MBH)	E.A.T. (DB/WB) (°F)	L.A.T. (DB/WB) (°F)	TOTAL CAPACITY kW (MBH)	SENS. CAPACITY kW (MBH)	E.A.T. (DB/WB) (°F)	L.A.T. (DB/WB) (°F)
RTU-1	29 (99)	23 (80)	76.4/63.1	53.3/52.1	26 (90)	17 (59)	566 (1200)	8.6 (29.2)	4.0 (13.8)	90/72	76.4/63.1	33.9 (115.6)	24.0 (82.1)	-13/-13	65.8/56.9
RTU-2	18 (60)	14 (50)	76.7/63.4	58.4/54.9	16 (55)	10 (34)	542 (1150)	8.3 (28.2)	3.9 (13.3)	90/72	76.7/63.4	32.7 (111.5)	23.2(79.1)	-13/-13	63.8/55.7
RTU-3	37 (125)	31 (107)	77.1/63.7	57.4/55.0	32 (108)	20 (69)	1085 (2300)	15.3 (52.3)	7.2 (24.7)	90/72	77.1/63.7	60.7 (207.2)	43.0 (147.0)	-13/-13	61.1/54.2
RTU-4	16 (55)	14 (47)	78.8/64.7	56.7/55.2	14 (47)	9 (29)	–	–	–	–	–	–	–	–	–
RTU-5	29 (99)	24 (81)	77.0/63.6	53.9/52.7	26 (90)	17 (59)	708 (1500)	10.2 (34.7)	4.8 (16.4)	90/72	77.0/63.6	40.3 (137.7)	28.6 (97.7)	-13/-13	61.7/54.6
RTU-6	36 (122)	29 (99)	76.9/63.5	55.5/53.5	32 (108)	20 (69)	943 (2000)	13.8 (47.0)	6.5 (22.2)	90/72	76.9/63.5	54.5 (186.1)	38.7 (132.1)	-13/-13	62.3/54.9
RTU-7	59 (202)	50 (164)	76.7/63.5	54.1/52.7	53 (181)	35 (118)	1462 (3100)	22.0 (75.2)	10.7 (36.4)	90/72	76.7/63.5	88.0 (300.6)	63.4 (216.6)	-13/-13	63.8/55.5
RTU-8	29 (99)	24 (83)	75.7/62.6	54.6/52.9	25 (87)	16 (55)	472 (1000)	7.6 (26.0)	3.6 (12.4)	90/72	75.7/62.6	30.1 (102.7)	21.4 (73.1)	-13/-13	70.2/59.3

TAG	SOUND POWER LEVEL (dB)									ELECTRICAL DATA		WEIGHT kg (lbs)	BASIS OF DESIGN	REMARKS
	OCTAVE BAND (dB)	63	125	250	500	1000	2000	4000	8000	FLA/MCA/MOC	V/PH/Hz			
RTU-1	DISCHARGE/RETURN	86/72	83/72	87/72	85/66	78/62	76/61	74/57	68/53	45/51/70	208/3/60	743 (1634)	AAON RN-008-8-0-EA09-32B:GNBC-E00-NCE-AGA-00W0HK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH AND 1% PURGE WITH SPLIT PATH RETURN/EXHAUST PLENUM FOR DEDICATED WASHROOM EXHAUST DUTY.
RTU-2	DISCHARGE/RETURN	82/71	80/70	83/71	80/65	74/61	72/60	69/56	64/52	12/14/15	575/3/60	699 (1537)	AAON RN-006-4-0-E60E-32B:GNBC-E00-NCD-AGA-00K0HK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH AND 1% PURGE WITH SPLIT PATH RETURN/EXHAUST PLENUM FOR DEDICATED WASHROOM EXHAUST DUTY.
RTU-3	DISCHARGE/RETURN	92/85	89/85	96/86	88/82	83/77	81/74	78/71	73/66	24/25/30	575/3/60	1027 (2260)	AAON RN-011-4-0-H60E-3FB:VNCD-E00-NSF-AGA-00KAHK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH AND 1% PURGE WITH SPLIT PATH RETURN/EXHAUST PLENUM FOR DEDICATED WASHROOM EXHAUST DUTY.
RTU-4	DISCHARGE/RETURN	86/74	83/70	87/71	84/70	78/68	76/65	74/62	68/59	14/16/20	575/3/60	469 (1031)	AAON RQ-004-4-V-E60E-33B:BHNC-E00-SJD-AGA-00KAHB5-00-D0000000X	* C/W WEATHERPROOF DISCONNECT SWITCH
RTU-5	DISCHARGE/RETURN	86/82	84/83	87/83	85/82	78/76	76/73	74/70	68/66	19/22/30	575/3/60	749 (1647)	AAON RN-008-4-0-EA09-3KB:GNBD-E00-NCE-AGA-00W0HK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH
RTU-6	DISCHARGE/RETURN	91/82	88/83	95/83	86/79	81/74	79/72	77/68	71/63	21/23/25	575/3/60	1022 (2248)	AAON RN-011-4-0-H60E-3FB:VNCD-E00-NSE-AGA-00KAHK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH
RTU-7	DISCHARGE/RETURN	91/89	90/88	91/90	92/85	90/78	90/77	91/72	87/65	41/43/50	575/3/60	1972 (4338)	AAON:RNA-016-C-A-4-DJB0C-CB1L0:00-0FGAJ-QAA-00000-ABLBJ-EC-CB0A-00-00-A-AN0-EB-N000-00-000-A00BB0-G00AAB-000000X	* C/W WEATHERPROOF DISCONNECT SWITCH
RTU-8	DISCHARGE/RETURN	88/78	87/79	91/79	82/73	78/70	76/67	73/63	67/58	19/20/20	575/3/60	1018 (2239)	AAON RN-009-4-0-H60E-3FB:VNCC-E00-NSE-FGA-00KAHK5-00-F0C0H000X	* C/W WEATHERPROOF DISCONNECT SWITCH

NOTES:
1. FOR DETAILS REFER TO SPECIFICATIONS.
2. MANUFACTURER NAME & MODEL NUMBER REPRESENTS ACCEPTABLE QUALITY STANDARD ONLY. ALTERNATIVE MATERIALS MAY BE APPROVED AFTER REVIEW OF TECHNICAL INFORMATION BY ENGINEER.
3. WHEEL PERFORMANCE ON RTU BASED ON SPECIFIC OUTDOOR AIR FLOW REQUIREMENT; ALL WHEEL TO ACCOMMODATE 100% SF VALUE.
4. ALL MOTORS SHALL BE PREMIUM & INVERTER DUTY WITH MIN F CLASS INSULATION.
5. ALL RTU: 600mm HIGH SEISMIC CURB WITH PLENUM BASE (UNLESS INDICATED OTHERWISE), SS BURNER, ENTHALPY WHEEL (EXCEPT RTU4), VARIABLE CAPACITY ON LEAD COMPRESSOR, STARTER/DISC SWITCH, HIGH EFF MOTORS, 100% ECONOMIZERS WITH POWER EXHAUST, FULLY MODULATING ACTUATORS, PHASE AND BROWN OUT PROTECTION, GFI WEATHER PROOF POWER RECEPTACLE WITH STEP DOWN TRANSFORMER VFD CONDENSER FANS – VARIABLE SPEED, ALL CONTROLS TERMINATING ON TERMINAL STRIP FOR REGULAR/DELTA CONTROL CONNECTION. EQUIPPED WITH DIRECT DRIVE SUPPLY & EXHAUST FANS WITH VFD'S: ALL VFD SHALL HAVE INPUT REACTOR PROTECTION, UNLESS OTHERWISE NOTED.
6. RTU 06 & 08: IN ADDITION TO OPTIONS AS LISTED ABOVE, RTU SHALL HAVE EXTRA FILTER TO BE PROVIDED ON THE EXHAUST SIDE OF ERV.
7. EXHAUST FAN AIRFLOW OF SHALL BE 50% OF O/A VOLUME TO MAINTAIN BUILDING PRESSURE; TAB CONTRACTOR.
8. TAB CONTRACTOR SHALL MAKE FAN SPEED ADJUSTMENT BASED ON OCCUPIED MINIMUM O/A CONDITIONS; REDUCE SPEED OF EXHAUST FANS TO STATED MINIMUM EXHAUST AIR FLOW TO MAINTAIN POSITIVE BUILDING PRESSURE; COORDINATE WITH CONTROLS CONTRACTOR AND RTU START-UP TECHNICIAN.

FAN POWERED TERMINAL UNIT SCHEDULE

TAG	LOCATION	MAX. PRIMARY AIR L/s (cfm)	MIN. PRIMARY AIR L/s (cfm)	MAX. RETURN AIR L/s (cfm)	TOTAL SUPPLY AIR L/s (cfm)	INLET DIAMETER mmø (inø)	FILTERS	HEATING COIL			ELECTRICAL DATA		BASIS OF DESIGN	REMARKS
								HEATING CAPACITY (kW)	E.W.T. °C (°F)	L.W.T. °C (°F)	MOTOR SIZE (HP)	V/PH/Hz		
FPB1	SALLE D'ACTIVITE POUPONS 135	248 (525)	236 (500)	94 (200)	330 (700)	350 (14)	25mm THICK	3.34 (11.4)	54.4 (130)	37.8 (100)	1/2	115/1/60	EH PRICE FDCLP2 3008	C/W ECM MOTOR, INLET & DISCHARGE SILENCER, ISOLATION KIT & RETURN FILTER ASSEMBLY
FPB2	SALLE D'ACTIVITE BAMBINS 140	399 (845)	354 (830)	118 (250)	472 (1000)	350 (14)	25mm THICK	5.37 (18.3)	54.4 (130)	37.8 (100)	1/2	115/1/60	EH PRICE FDCLP2 5010	C/W ECM MOTOR, INLET & DISCHARGE SILENCER, ISOLATION KIT & RETURN FILTER ASSEMBLY
FPB3	SALLE D'ACTIVITE PRESCOLAIRES 139	524 (1090)	472 (1000)	142 (300)	613 (1300)	400 (16)	25mm THICK	7.05 (24.1)	54.4 (130)	37.8 (100)	1/2	115/1/60	EH PRICE FDCLP2 5010	C/W ECM MOTOR, INLET & DISCHARGE SILENCER, ISOLATION KIT & RETURN FILTER ASSEMBLY

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. ALL FPB SHALL HAVE A SINGLE POINT POWER SUPPLY.

RANGE HOOD SCHEDULE

TAG	LOCATION	MOUNTING LOCATION (WALL / ISLAND / CABINET)	AIR FLOW (L/M/H)(CFM)	STATIC PRESSURE (IN.WG)	SIZE (INCH) (WIDTH x DEPTH)	DUCT CONNECTION (INCH)	SONNES	ELECTRICAL DATA		BASIS OF DESIGN	REMARKS
								V/PH/Hz	AMPS		
RH1	AS INDICATED	WALL	300	0.1	30 x 20	7" ROUND	5.0	120/1/60	1.4	BROAN BKSH130SS	* STAINLESS STEEL, TWO SPEED CONTROL

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

FAN SCHEDULE

TAG	LOCATION	FUNCTION	FAN DATA								BASIS OF DESIGN	REMARKS
			TYPE	DRIVE (BELT/DIRECT)	AIR FLOW L/s (cfm)	ESP Pa (in WC)	FAN SPEED (RPM)	SONES	MOTOR SIZE (HP)	V/PH/Hz		
EF-1	TOILETTE 100C	WASHROOM EXHAUST	INLINE FAN	DIRECT	106 (225)	125 (0.5)	1422	–	79W	115/1/60	LOREN COOK GEMINI GN-422	MOTION SENSOR CONTROLLED BY DIV. 26
EF-2	TOILETTE HOMMES 112	WASHROOM EXHAUST	INLINE FAN	DIRECT	71 (150)	125 (0.5)	936	–	72W	115/1/60	LOREN COOK GEMINI GN-186	MOTION SENSOR CONTROLLED BY DIV. 26
EF-3	CONCIERGE 202	EXHAUST	INLINE FAN	DIRECT	130 (275)	125 (0.5)	1221	–	92	115/1/60	LOREN COOK GEMINI GC-622	MOTION SENSOR CONTROLLED BY DIV. 26
EF-4	SALLE MECHANIQUE ET ELECTRIQUE 202A	EXHAUST	ROOF MOUNTED UPBLAST	DIRECT	189 (400)	125 (0.5)	1040	7.7	1/8	115/1/60	LOREN COOK ACRU-D VF	CONTROLLED BY SPACE TEMPERATURE
EF-5	ROOF	ELEVATOR MACHINE ROOM	ROOF MOUNTED DOWNBLAST	DIRECT	153 (325)	125 (0.5)	1448	7	1/8	115/1/60	LOREN COOK ACE-D 90C15DH	C/W 800mm HIGH INSULATED SEISMIC CURB. OPERATE CONTINUOUSLY.
TF-1	SALLE ELECTRIQUE 134	TRANSFER	CEILING FAN	DIRECT	297 (630)	125 (0.5)	1569	–	296W	115/1/60	LOREN COOK GEMINI GC-740	C/W DISCONNECT, BOTTOM MOUNTED GRILLE, ON/OFF VIA BAS TEMPERATURE SENSOR AND RELAY
TF-2	SERVEURS 130	TRANSFER	INLINE FAN	DIRECT	101 (215)	125 (0.5)	1392	3.5	76W	115/1/60	LOREN COOK GEMINI GN-422	CONTROLLED BY SPACE TEMPERATURE
BF1	BUANDERIE 136	DRYER EXHAUST	INLINE BLOWER	DIRECT	60 (127)	125 (0.5)	2650	2.5	55W	115/1/60	REVERSOMATIC RI-200-PS	CONTROLLED BY BUILT-IN PRESSURE SWITCH; C/W LINTBOX LT-250-45 & DRYER WALL COWL

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. DISCONNECT SWITCH BY DIV. 26.
3. SPEED SWITCHES SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

VAV TERMINAL UNIT SCHEDULE

UNIT NO.	SPACE SERVED	INLET DIAMETER mm (in)	MAX. FLOW L/s (CFM)	MIN. FLOW (CFM)	BASIS OF DESIGN	REMARKS
VAV-1	SALLE DE REPOS 135D	100 (4)	90 (190)	21 (45)	EH PRICE SDV	C/W HYDRONIC HEATING COIL
VAV-2	SALON DU PERSONNEL 102	200 (8)	330 (700)	66 (140)	EH PRICE SDV	–
VAV-3	CORRIDOR – C101 INFIRMERIE – 100B ENTREPOT – 100F	100 (4)	71 (150)	21 (45)	EH PRICE SDV	–
VAV-4	CORRIDOR – C101 SALLE DE CONFERENCE – 100E	150 (6)	13 (275)	28 (60)	EH PRICE SDV	–
VAV-5	ADMINISTRATION – 100	150 (6)	189 (400)	38 (80)	EH PRICE SDV	–
VAV-6	DIRECTION – 100A	100 (4)	60 (125)	21 (45)	EH PRICE SDV	–
VAV-7	DIRECTION ADJOINTE – 100D	100 (4)	71 (150)	21 (45)	EH PRICE SDV	–
VAV-8	CUISINE 137	175 (7)	165 (350)	33 (70)	EH PRICE SDV	–

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

PROPELLER FAN SCHEDULE

TAG	LOCATION	FAN DIA. mm (in)	AIR FLOW L/s (cfm)	FAN SPEED (RPM)	ELECTRICAL DATA		BASIS OF DESIGN	REMARKS
					MOTOR SIZE (HP)	V/PH/Hz		
PF1	GYM	914 (36)	1,882 (3,990)	450	35 W	120/1/60	BANVIL 2000-136C-10	FG36C HEAVY DUTY CIRCULAR FAN CAGE (1000 mm (40") DIAMETER) ANCHORED TO UNDERSIDE OF DECK, C/W WALL SPEED CONTROLLER. SUPPLIED BY MECHANICAL, WIRED BY ELECTRICAL.
PF2	GYM	914 (36)	1,882 (3,990)	450	35 W	120/1/60	BANVIL 2000-136C-10	FG36C HEAVY DUTY CIRCULAR FAN CAGE (1000 mm (40") DIAMETER) ANCHORED TO UNDERSIDE OF DECK, C/W WALL SPEED CONTROLLER. SUPPLIED BY MECHANICAL, WIRED BY ELECTRICAL.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.
2. PROVIDE SPEED CONTROLLER. MOUNT WITHIN GYM OFFICE 113B.

GRILLE AND DIFFUSER SCHEDULE

UNIT NO.	TYPE	MODULE mm (in)	INLET	MOUNT	FINISH	BASIS OF DESIGN	REMARKS
SD1	SQUARE PLAQUE DIFFUSER	600x600 (24x24)	AS INDICATED	T-BAR	B12	EH PRICE SPD	SQUARE PLAQUE DIFFUSER C/W INSULATED BACK PANEL & VOLUME DAMPER
SD2	SUPPLY AIR VAV DIFFUSER	600x600 (24x24)	AS INDICATED	T-BAR	B12	EH PRICE VARITHERM	SQUARE PLAQUE VAV DIFFUSER, PRESSURE RELIEF COLLAR
SD3	ROUND 4-CONE DIFFUSER	AS INDICATED	AS INDICATED	CEILING	B12	EH PRICE RCDA	ROUND 4-CONE DIFFUSER, ADJUSTABLE, HEAVY GAUGE W/ VOLUME DAMPER
SD4	SQUARE PLAQUE DIFFUSER	300x300 (12x12)	AS INDICATED	DRYWALL	B12	EH PRICE SPD	SQUARE PLAQUE DIFFUSER C/W INSULATED BACK PANEL
SL1	LINEAR SUPPLY AIR DIFFUSER	1200 (48) 2 SLOT	AS INDICATED	T-BAR	B12	EH PRICE SDS100	48" LONG WITH 2 SLOTS, 1" SLOT WIDTH C/W INSULATED PLENUM
SG1	DOUBLE DEFLECTION REGISTER	AS INDICATED	AS INDICATED	DRYWALL	B12	EH PRICE 620	DOUBLE DEFLECTION REGISTER. ALUMINUM. C/W VOLUME DAMPER
RG1	EGG CRATE GRILLE	AS INDICATED	AS INDICATED	T-BAR	B12	EH PRICE 80	ALUMINUM 13x13x13mm EGGCRATE
RG2	HEAVY DUTY GYM GRILLE	AS INDICATED	AS INDICATED	WALL	B12	EH PRICE 99	HEAVY DUTY GYM GRILLE. ALUMINUM.
EG1	SINGLE DEFLECTION GRILLE	AS INDICATED	AS INDICATED	CEILING	B12	EH PRICE 630	FIXED 45° DEFLECTION, ¾" SPACING GRILLE. ALUMINUM.
TG1	SINGLE DEFLECTION GRILLE	AS INDICATED	AS INDICATED	WALL	B12	EH PRICE 630	FIXED 45° DEFLECTION, ¾" SPACING GRILLE. ALUMINUM.
TG2	EGG CRATE GRILLE	AS INDICATED	AS INDICATED	WALL	B12	EH PRICE 99	HEAVY DUTY GYM GRILLE. ALUMINUM.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

SILENCER SCHEDULE

TAG	SYSTEM	TYPE (NOTE 1)	DIMENSIONS mm (in)			AIR FLOW L/s (cfm)	VELOCITY m/s (ft/min)	PD (Pa)	MAX. PD WITH SYS. EFF. (Pa)	MINIMUM DYNAMIC INSERTION LOSS, dB — OCTAVE BAND CENTRE FREQUENCY, Hz								BASIS OF DESIGN	REMARKS
			WIDTH OR DIA.	HEIGHT	LENGTH					63	125	250	500	1000	2000	4000	8000		
SIL1A	RTU-1	RD	500 (20)	500 (20)	914 (36)	1415 (3000)	6 (1200)	18	–	5	10	14	18	15	10	11	7	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL1B	RTU-1	RD	500 (20)	450 (18)	914 (36)	849 (1800)	4 (800)	8	–	9	12	15	19	14	10	9	5	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL2	RTU-2	RD	500 (20)	450 (18)	914 (36)	1085 (2300)	5 (1000)	2	–	3	4	8	14	7	8	6	3	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL3A	RTU-3	RD	800 (32)	450 (18)	1829 (72)	2170 (4600)	6 (1200)	43	–	10	13	24	31	30	21	15	11	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL3B	RTU-3	RD	750 (30) 954 (38)	350 (14) 350 (14)	1524 (60)	991 (2100)	4 (800)	40	–	15	19	30	37	35	24	19	13	VAW SYSTEMS MODEL RSA-EW	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL5A	RTU-5	RD	750 (30)	350 (14)	1219 (48)	1415 (3000)	5 (1000)	55	–	8	12	19	26	25	19	16	11	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL5B	RTU-5	RD	800 (32)	400 (16)	914 (36)	1415 (3000)	4 (800)	61	–	12	13	23	28	26	22	16	11	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL6A	RTU-6	RD	900 (36)	300 (12)	1829 (72)	1887 (4000)	7 (1400)	51	–	12	14	25	30	28	20	14	11	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL6B	RTU-6	RD	750 (30)	550 (22)	914 (36)	1887 (4000)	5 (1000)	13	–	8	10	14	18	14	11	9	6	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL7A	RTU-7	RD	750 (30)	400 (16)	2134 (84)	1811 (3840)	6 (1200)	29	–	6	14	27	40	51	44	26	17	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL7B	RTU-7	RD	600 (24)	350 (14)	914 (36)	1113 (2360)	5 (1000)	13	–	11	14	16	20	13	9	7	4	VAW SYSTEMS MODEL RSA	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL8A	RTU-8	RD	600 (24) 1008 (40)	500 (20) 500 (20)	3048 (120)	1604 (3400)	5 (1000)	57	–	20	28	48	55	54	46	35	25	VAW SYSTEMS MODEL RSA-EW	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS
SIL8B	RTU-8	RD	700 (28) 904 (36)	500 (20) 500 (20)	3048 (120)	1604 (3400)	5 (1000)	46	–	20	25	44	52	52	41	32	21	VAW SYSTEMS MODEL RSA-EW	CASING: 22GA GALV., PERF: 22GA GALV., MEDIA: FIBERGLASS

NOTES: – LENGTH SHOWN FOR ELBOW SILENCERS IS CENTRELINE LENGTH
– VELOCITY SHOWN IS +(FORWARD FLOW) OR –(REVERSE FLOW) AS DEFINED BY ASTM E477-06A
– PRESSURE DROP, DYNAMIC INSERTION LOSS AND SELF GENERATED NOISE PER ASTM E477-06A
– MAXIMUM PRESSURE DROP WITH SYSTEM EFFECTS = SILENCER PRESSURE DROP PER ASTM E477-06A + SYSTEM EFFECTS FOR NEARBY DUCT ELEMENTS

1. RD = RECTANGULAR DISSIPATIVE
RED = RECTANGULAR ELBOW DISSIPATIVE
2. GALVANIZED CONSTRUCTION
3. ELBOW SILENCER
4. PROVIDE, FOR APROVAL, ACOUSTICAL CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT DUCTBORNE FAN SOUND LEVEL, INCLUDING AIRBORNE AND BREAKOUT NOISE, IN THE OCCUPIED SPACES MEET: NC 35: FOR CLASSROOMS, CORRIDORS, ADMINISTRATION, GYM, DAYCARE. NC 25 – 30: FOR LIBRARY.
5. HTL CASING

LOUVRE SCHEDULE

TAG	LOCATION	FUNCTION	AIR FLOW L/s (cfm)	SIZE mm (in)	FREE AREA (%)	MAXIMUM PRESSURE DROP (Pa)	BASIS OF DESIGN	REMARKS
L1	TOILLETTES 140B	KITCHEN RANGE HOOD EXHAUST	142 (300)	300x300 (12x12)	50.8	–	VENTEX 2425	100MM DEEP, STORMPROOF, 45° BLADE ANGLE, CUSTOM BAKED EPOXY FINISH TO MATCH BUILDING EXTERIOR.
L2	CORRIDOR C101	WASHROOM EXHAUST	106 (225)	300x300 (12x12)	50.8	–	VENTEX 2425	100MM DEEP, STORMPROOF, 45° BLADE ANGLE, CUSTOM BAKED EPOXY FINISH TO MATCH BUILDING EXTERIOR.
L3	ENTREPOT 113A	WASHROOM EXHAUST	71 (150)	300x300 (12x12)	50.8	–	VENTEX 2425	100MM DEEP, STORMPROOF, 45° BLADE ANGLE, CUSTOM BAKED EPOXY FINISH TO MATCH BUILDING EXTERIOR.
L4	SALLE MECHANIQUE 202A	WASHROOM/CONCIERGE EXHAUST	130 (275)	300x300 (12x12)	50.8	–	VENTEX 2425	100MM DEEP, STORMPROOF, 45° BLADE ANGLE, CUSTOM BAKED EPOXY FINISH TO MATCH BUILDING EXTERIOR.
L5	SALLE MECHANIQUE 202A	MECHANICAL ROOM VENTILATION INTAKE	189 (400)	450x400 (18x16)	50.8	–	VENTEX 2425	100MM DEEP, STORMPROOF, 45° BLADE ANGLE, CUSTOM BAKED EPOXY FINISH TO MATCH BUILDING EXTERIOR.

NOTES: 1. FOR DETAILS REFER TO SPECIFICATIONS.

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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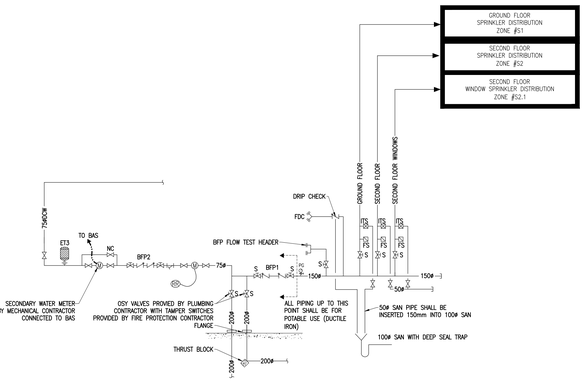
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

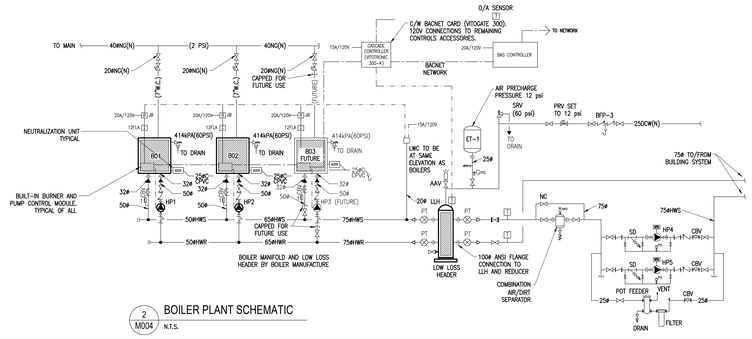
CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL SCHEDULES II

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY DESSINE PAR	R. SMITH	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	R. LEONARD	M003		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		



1 M004 WATER ENTRY ROOM SCHEMATIC
N.T.S.



2 M004 BOILER PLANT SCHEMATIC
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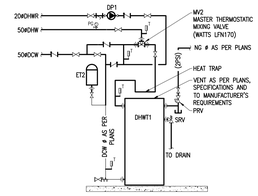

3 M004 DOMESTIC HOT WATER HEATER CONNECTION SCHEMATIC
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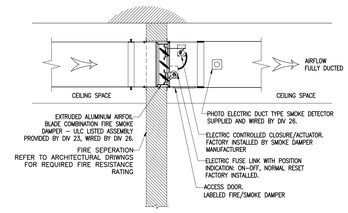
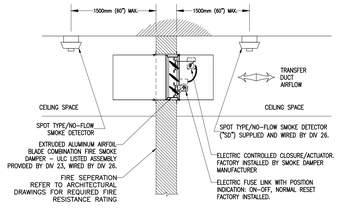


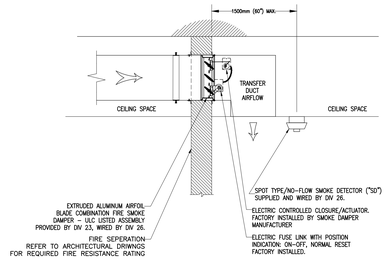
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

4 M004 F/SD1 - COMBINATION FIRE & SMOKE DAMPER DUCTWORK THROUGH VERTICAL FIRE SEPARATION
N.T.S.



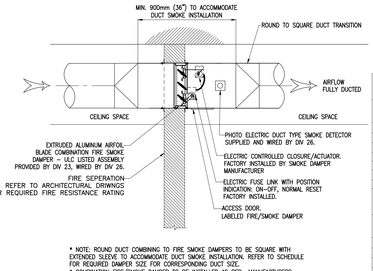
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

5 M004 F/SD2 - COMBINATION - FIRE & SMOKE DAMPER TRANSFER DUCT & SD IN CEILING SPACE
N.T.S.



* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

6 M004 F/SD3 - COMBINATION FIRE & SMOKE DAMPER DUCTED AIR TRANSFER OPENING FOR VERTICAL SEPARATION
N.T.S.



* NOTE: ROUND DUCT COMBINING TO FIRE SMOKE DAMPERS TO BE SQUARE WITH EXTENDED SLEEVE TO ACCOMMODATE DUCT SMOKE INSTALLATION. REFER TO SCHEDULE FOR REQUIRED DAMPER SIZE FOR CORRESPONDING DUCT SIZE.
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

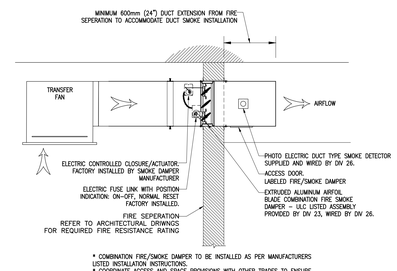
7 M004 F/SD4 - COMBINATION - ROUND FIRE & SMOKE DAMPER DUCTWORK THROUGH VERTICAL FIRE SEPERATION
N.T.S.

DUCT TO DAMPER EQUIVALENCE SCHEDULE

DAM (MM)	WIDTH x HEIGHT (MM x MM)
150	200 x 200
200	250 x 250
250	300 x 300
300	350 x 350
350	400 x 400
400	450 x 450
450	500 x 500

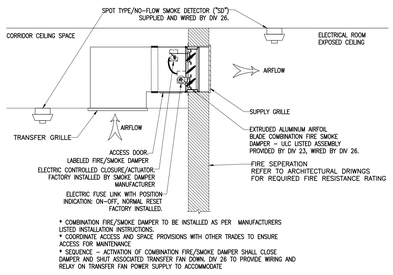
DUCT TO DAMPER EQUIVALENCE SCHEDULE

DAM (IN)	WIDTH x HEIGHT (IN x IN)
6	8 x 8
8	10 x 10
10	12 x 12
12	14 x 14
14	16 x 16
16	18 x 18
18	20 x 20



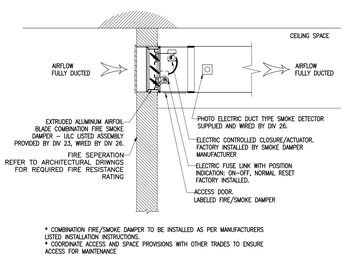
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE
* SEQUENCE – ACTIVATION OF COMBINATION FIRE/SMOKE DAMPER SHALL CLOSE DAMPER AND SHUT ASSOCIATED TRANSFER FAN DOWN. DV 26 TO PROVIDE WIRING AND RELAY ON TRANSFER FAN POWER SUPPLY TO ACCOMMODATE

8 M004 F/SD5 - COMBINATION FIRE & SMOKE DAMPER TRANSFER FAN DUCT THROUGH VERTICAL SEPARATION
N.T.S.



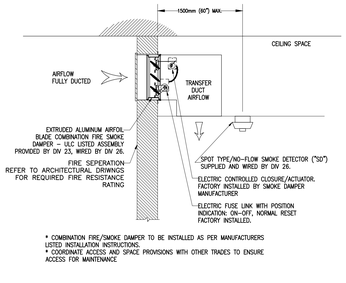
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE
* SEQUENCE – ACTIVATION OF COMBINATION FIRE/SMOKE DAMPER SHALL CLOSE DAMPER AND SHUT ASSOCIATED TRANSFER FAN DOWN. DV 26 TO PROVIDE WIRING AND RELAY ON TRANSFER FAN POWER SUPPLY TO ACCOMMODATE

9 M004 F/SD6 - COMBINATION - FIRE & SMOKE DAMPER SUPPLY GRILLE AT VERTICAL SEPARATION
N.T.S.



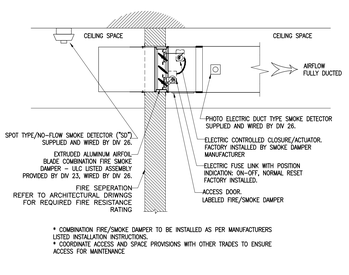
* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

10 M004 F/SD7 - COMBINATION - FIRE & SMOKE DAMPER EXHAUST GRILLE AT VERTICAL SEPARATION
N.T.S.



* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

11 M004 F/SD8 - COMBINATION - FIRE & SMOKE DAMPER TRANSFER GRILLE AT VERTICAL SEPARATION
N.T.S.



* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

12 M004 F/SD9 - COMBINATION - FIRE & SMOKE DAMPER TRANSFER DUCT AND SD IN CEILING SPACE
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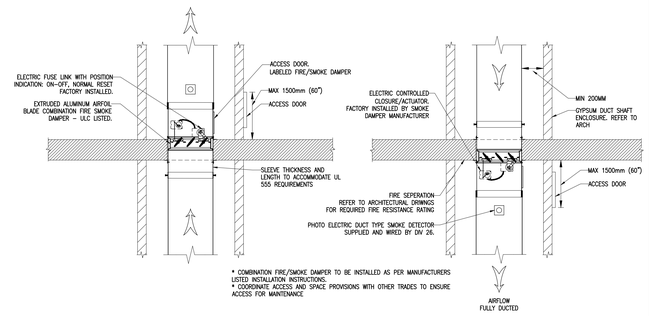

* COMBINATION FIRE/SMOKE DAMPER TO BE INSTALLED AS PER MANUFACTURERS LISTED INSTALLATION INSTRUCTIONS.
* COORDINATE ACCESS AND SPACE PROVISIONS WITH OTHER TRADES TO ENSURE ACCESS FOR MAINTENANCE

13 M004 F/SD10 - COMBINATION - FIRE & SMOKE DAMPER DUCTWORK THROUGH HORIZONTAL FIRE SEPARATION
N.T.S.

4	0	2026/04/24	ISSUED FOR TENDER
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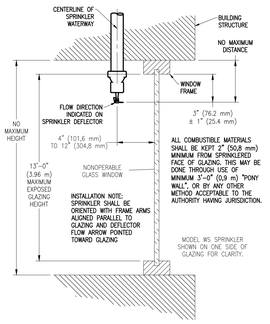
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL
SCHEMATICS AND DETAILS

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY DESSINE PAR	R. SMITH	DRAWING/DESSIN M004		
CHECKED BY VERIFIE PAR	R. LEONARD			
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		



1 M005 WINDOW SPRINKLER DETAIL
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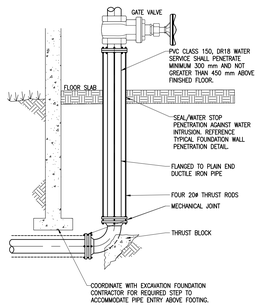

2 M005 WATER ENTRY DETAIL
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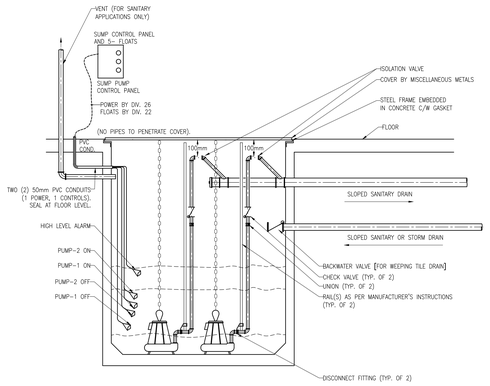

3 M005 DUPLEX SUMP PIT DETAIL
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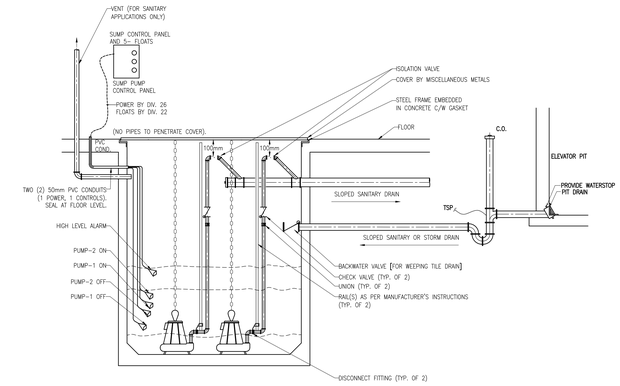

4 M005 ELEVATOR SUMP PIT DETAIL
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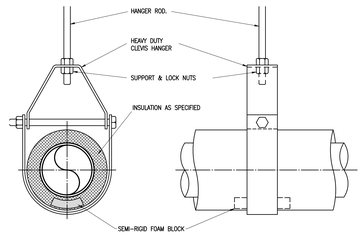

5 M005 PIPE HANGER DETAIL - NPS 2 & UNDER
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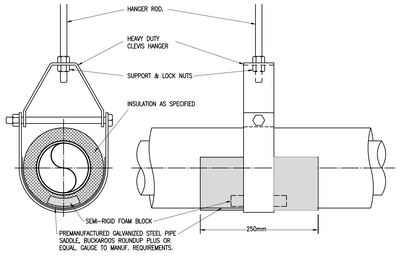

6 M005 PIPE HANGER DETAIL - NPS 2.5 & OVER
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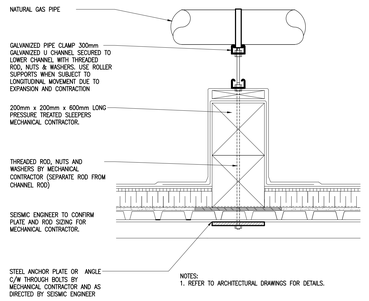
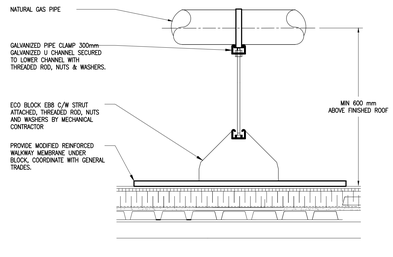


7 M005 NG SEISMIC SUPPORT DETAIL (S1)
N.T.S.



8 M005 NG SEISMIC SUPPORT DETAIL (S2)
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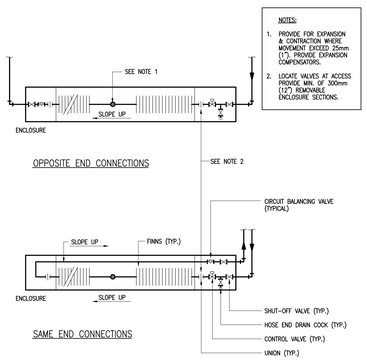

9 M005 FINNED TUBE RADIATION PIPING DETAIL (DOWN FEED)
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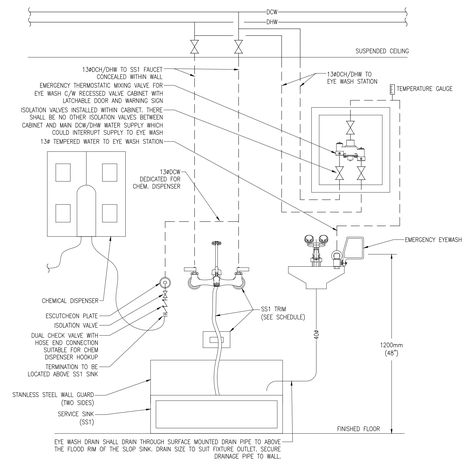
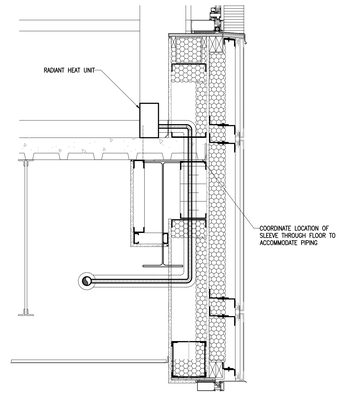


10 M005 TYPICAL EYE WASH AND SERVICE SINK DETAIL
N.T.S.



11 M005 RADIANT HEAT UNIT PIPING DETAIL
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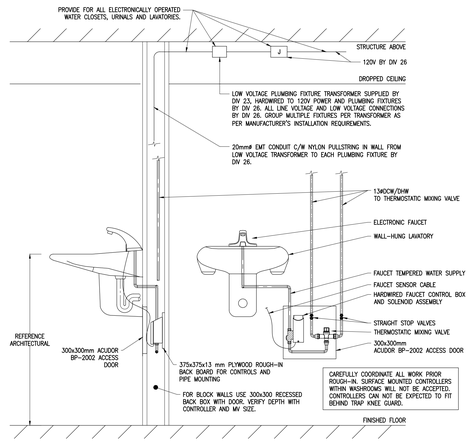

12 M005 TYPICAL LAVATORY SENSOR FAUCET DETAIL
N.T.S.

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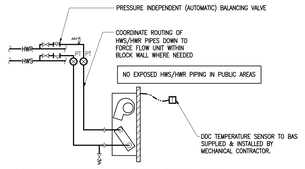
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL DETAILS I

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY DESSINÉ PAR	R. SMITH	DRAWING/DESSIN M005		
CHECKED BY VERIFIÉ PAR	R. LEONARD			
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		



1 M006 HYDRONIC FORCE FLOW DETAIL (WALL)
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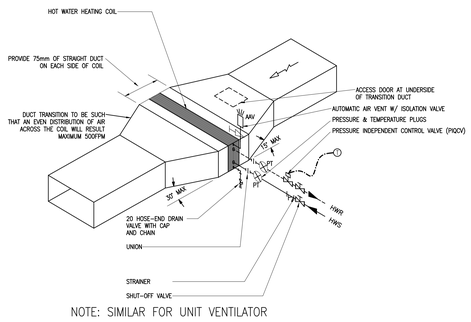
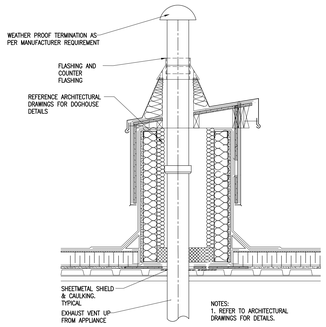


NOTE: SIMILAR FOR UNIT VENTILATOR

2 M006 HYDRONIC HEATING COIL DETAIL (HC)
N.T.S.



3 M006 BOILER VENT TERMINATION DETAIL
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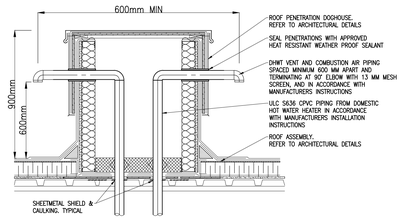

4 M006 ROOF
DHWT VENT & COMBUSTION AIR TERMINATION
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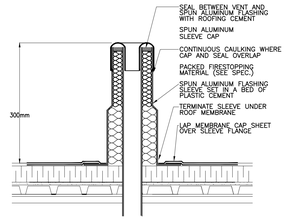

5 M006 PLUMBING VENT AT ROOF
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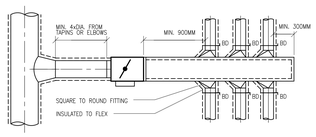

6 M006 TYPICAL VAV BOX CONNECTION DETAIL
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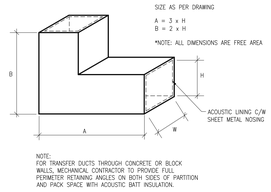
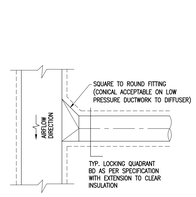


7 M006 TYPICAL TRANSFER DUCT DETAIL
N.T.S



8 M006 TYPICAL DUCT CONNECTION DETAIL
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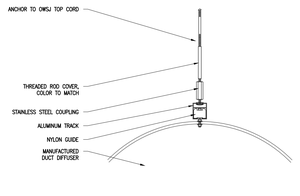

9 M006 DUCT DIFFUSER SUPPORT DETAIL
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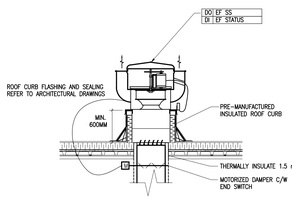

10 M006 EXHAUST FAN DETAIL
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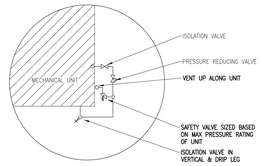

11 M006 TYPICAL RTU GAS CONNECTION DETAIL
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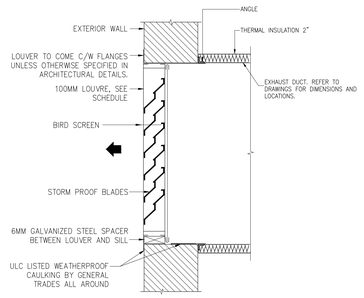
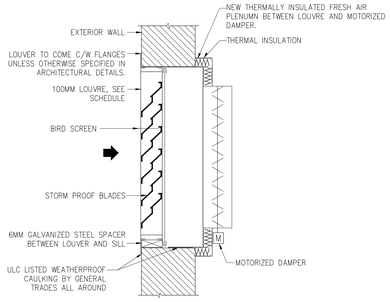


12 M006 EXHAUST LOUVRE DETAIL
N.T.S.



13 M006 INTAKE LOUVRE DETAIL
N.T.S.

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ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL
DETAILS II

SCALE / ECHELLE	AS NOTED	PROJ. No	ISSUE No.	REV. No
DRAWN BY / DESSINE PAR	R. SMITH	2025-304	3	0
CHECKED BY / VERIFIE PAR	R. LEONARD	DRAWING/DESSIN		
DATE	MAR 2026	M006		

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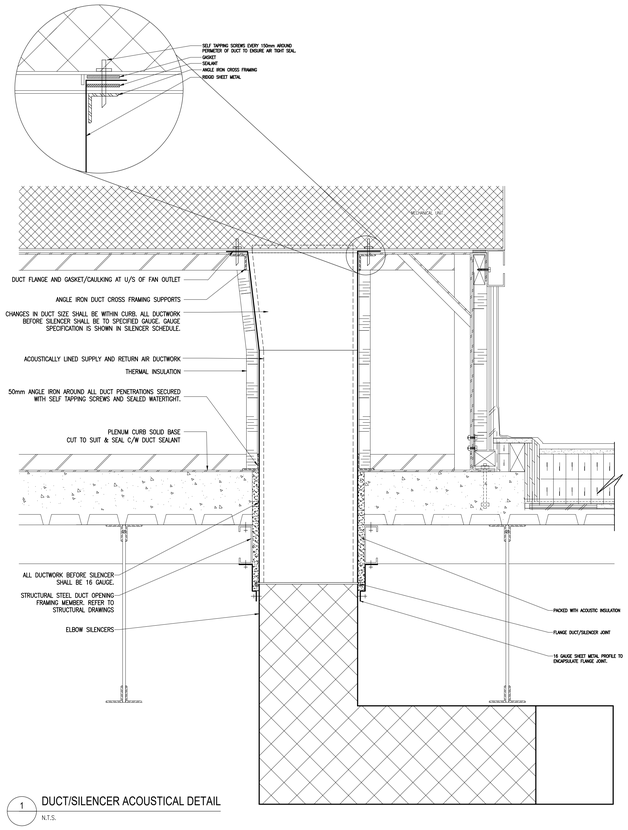

1 DUCT/SILENCER ACOUSTICAL DETAIL
N.T.S.

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ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL
DETAILS IIII

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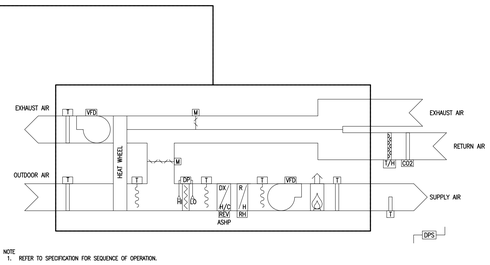
CHECKED BY / VERIFIE PAR	R. LEONARD	**M007**		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		

HVAC CONTROLS SCHEMATIC LEGEND

SYMBOL	DESCRIPTION
	CONTROL VALVE VALVE ∯, FAIL POSITION
	THERMOSTAT INSERTION WELL
	PUMP
P	PRESSURE SENSOR
T	TEMPERATURE SENSOR
R	BAS CONTROLLED RELAY
S	SPEED CONTROL
VFD	VARIABLE FREQUENCY DRIVE
M ES	MOTORIZED DAMPER DPR ∯, FAIL POSITION C/W END SWITCH
	FILTER
T	DUCT TEMPERATURE PROBE STYLE
T	DUCT TEMPERATURE AVERAGING STYLE
FZ	FREEZESTAT
HT	HIGH TEMPERATURE LIMIT
T/H	DUCT TEMP/HUMIDITY PROBE
TYPE / FUNCTION	COIL TYPE: DX–DIRECT EXPANSION, H–HYDRONIC FUNCTION: H–HEATING, C–COOLING, H/C–HEATING/COOLING
R H SH	HOT GAS REHEAT
	FAN
	NATURAL GAS HEATING SECTION
AA	FUMEHOOD AIRFLOW ALARM
PB	PUSH BUTTON
ES	END SWITCH
239 L/S 94 L/S	AIR FLOW RATE MAXIMUM / AIR FLOW RATE MINIMUM
SA, RA, OA, EA,	SUPPLY AIR, RETURN AIR, OUTDOOR AIR, EXHAUST AIR

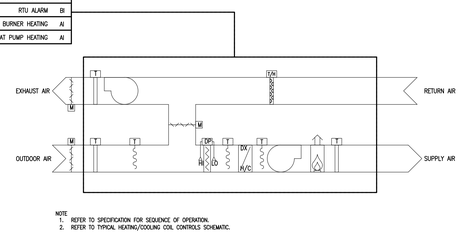
RTU ENABLE	BO
SUPPLY FAN ENABLE	BO
SUPPLY AIR TEMPERATURE	AI
FILTER STATUS	BI
COOLING	AO
POWER EXH ENABLE	BO
MOD HG REHEAT	AO
COOLING/HEATING STAGE 1	BO
COOLING/HEATING STAGE 2	BO
COOLING VCC	AO
SUCTION PRESSURE	AI
GAS/AUX HEAT ENABLE	BO
GAS HEAT MOD	AO
ERV ENABLE/DISABLE	BO
ECONOMIZER	AO
PHASE MONITORING	BI
ASHP REVERSING VALVE ENABLE	BO
ASHP STATUS	BI
RETURN AIR TEMPERATURE	AI
RETURN AIR HUMIDITY	AI
RETURN FAN STATUS	AI
HEAT WHEEL EA LEAVING TEMP	AI
RTU ALARM	BI
SF VFD MODULATION	AO
SF VFD FEEDBACK	AI
SF STATUS	BI
EF VFD MODULATION	AO
EF VFD FEEDBACK	AI
EF STATUS	BI
CO2 SENSOR	AI
BUILDING PRESSURE	AI



NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

1 M008 TYPICAL ROOF TOP UNITS WITH ENERGY RECOVERY CONTROL SCHEMATIC
N.T.S.

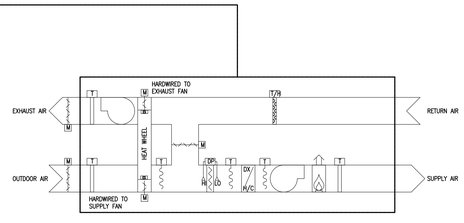
RTU ENABLE	BO
SUPPLY AIR TEMPERATURE	AI
SUPPLY STATIC PRESSURE	AI
FILTER STATUS	BI
COOLING	BO
SUPPLY FAN STATUS	AI
RETURN AIR TEMPERATURE	AI
RETURN FAN STATUS	AI
RTU ALARM	BI
GAS BURNER HEATING	AI
PACKAGED HEAT PUMP HEATING	AI



NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.
2. REFER TO TYPICAL HEATING/COOLING COIL CONTROLS SCHEMATIC.

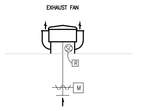
2 M008 TYPICAL ROOF TOP UNITS WITHOUT ENERGY RECOVERY CONTROLS SCHEMATIC
N.T.S.

RTU ENABLE	BO
SUPPLY FAN ENABLE	BO
SUPPLY AIR TEMPERATURE	AI
FILTER STATUS	BI
COOLING	AO
POWER EXH ENABLE	BO
MOD HG REHEAT	AO
COOLING/HEATING STAGE 1	BO
COOLING/HEATING STAGE 2	BO
COOLING VCC	AO
SUCTION PRESSURE	AI
GAS/AUX HEAT ENABLE	BO
GAS HEAT MOD	AO
ERV ENABLE/DISABLE	BO
ECONOMIZER	AO
PHASE MONITORING	BI
ASHP REVERSING VALVE ENABLE	BO
ASHP STATUS	BI
RETURN AIR TEMPERATURE	AI
RETURN AIR HUMIDITY	AI
RETURN FAN STATUS	AI
HEAT WHEEL EA LEAVING TEMP	AI
RTU ALARM	BI
SF VFD MODULATION	AO
SF VFD FEEDBACK	AI
SF STATUS	BI
EF VFD MODULATION	AO
EF VFD FEEDBACK	AI
EF STATUS	BI
CO2 SENSOR	AI
BUILDING PRESSURE	AI



NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.
2. REFER TO TYPICAL HEATING/COOLING COIL CONTROLS SCHEMATIC.

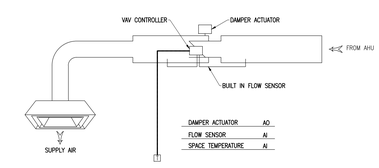
3 M008 TYPICAL ROOF TOP UNIT WITH ENERGY RECOVERY CONTROLS SCHEMATIC (VARIABLE VOLUME)
N.T.S.



START/STOP RELAY	DO
DAMPER OPEN/CLOSE	DO
DAMPER FEEDBACK	DI

NOTES:
1. STARTER AND RELAY BY DIV 26.
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25.
3. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.
4. REFER TO SCHEDULE FOR SPECIFIC FAN CONTROL REQUIREMENTS INCLUDING EXHAUST FAN HUMIDITY CONTROL SUPPLIED BY FAN SUPPLIER.

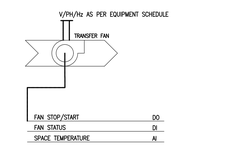
4 M008 TYPICAL ROOF MOUNTED EXHAUST FAN CONTROLS SCHEMATIC
N.T.S.



DAMPER ACTUATOR	AO
FLOW SENSOR	AI
SPACE TEMPERATURE	AI

NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

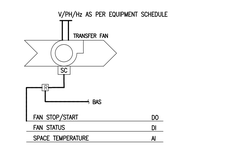
5 M008 TYPICAL VAV TERMINAL UNIT CONTROLS SCHEMATIC
N.T.S.



FAN STOP/START	DO
FAN STATUS	DI
SPACE TEMPERATURE	AI

NOTES:
1. STARTER AND RELAY BY DIV 26.
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25.
3. REFER TO SPECIFICATION AND EQUIPMENT SCHEDULES FOR SEQUENCE OF OPERATION.
4. REFER TO SCHEDULE FOR SPECIFIC FAN CONTROL REQUIREMENTS.

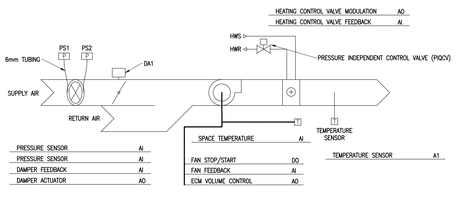
6 M008 TYPICAL TRANSFER FAN CONTROLS SCHEMATIC
N.T.S.



FAN STOP/START	DO
FAN STATUS	DI
SPACE TEMPERATURE	AI

NOTES:
1. STARTER AND RELAY BY DIV 26.
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25.
3. REFER TO SPECIFICATION AND EQUIPMENT SCHEDULES FOR SEQUENCE OF OPERATION.
4. REFER TO SCHEDULE FOR SPECIFIC FAN CONTROL REQUIREMENTS.

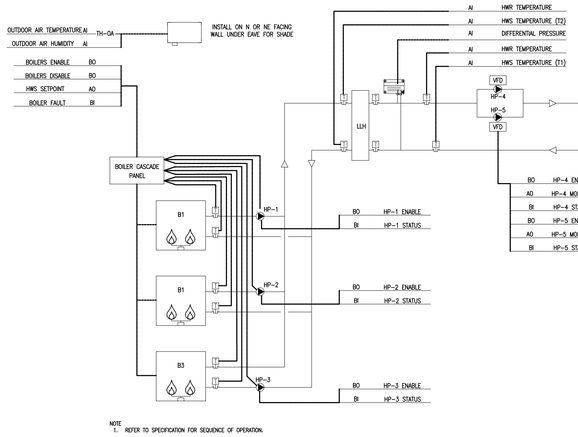
7 M008 TYPICAL TRANSFER FAN - ECM CONTROLS SCHEMATIC
N.T.S.



PRESSURE SENSOR	AI
PRESSURE SENSOR	AI
DAMPER FEEDBACK	AI
DAMPER ACTUATOR	AO
HEATING CONTROL VALVE MODULATION	AO
HEATING CONTROL VALVE FEEDBACK	AI
SPACE TEMPERATURE	AI
FAN STOP/START	DO
FAN FEEDBACK	AI
ECM VOLUME CONTROL	AO
TEMPERATURE SENSOR	AI

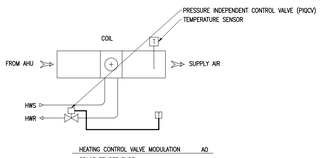
NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

8 M008 FAN POWERED BOX CONTROLS SCHEMATIC (HYDRONIC REHEAT)
N.T.S.



NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

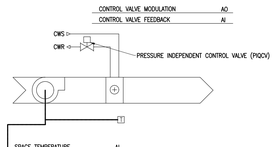
9 M008 HEATING PLANT CONTROL SCHEMATIC CONSTANT PRIMARY / VARIABLE SECONDARY
N.T.S.



HEATING CONTROL VALVE MODULATION	AO
SPACE TEMPERATURE	AI
DUCT TEMPERATURE	AI

NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

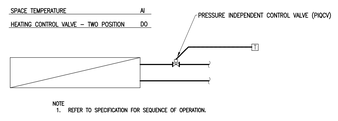
10 M008 TYPICAL HEATING/COOLING COIL CONTROLS SCHEMATIC
N.T.S.



CONTROL VALVE MODULATION	AO
CONTROL VALVE FEEDBACK	AI
SPACE TEMPERATURE	AI
FAN STOP/START	DO
FAN FEEDBACK	DI
ECM VOLUME CONTROL	AO

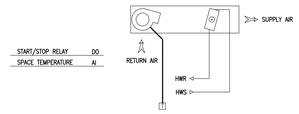
NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

11 M008 HYDRONIC FAN COIL CONTROLS SCHEMATIC
N.T.S.



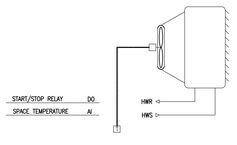
NOTE
1. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

12 M008 HYDRONIC RADIATION HEATING CONTROLS SCHEMATIC
N.T.S.



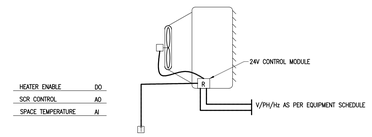
NOTES:
1. STARTER AND RELAY BY DIV 26. COORDINATE LOCATION
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25
3. REFER TO SPECIFICATION FOR SEQUENCE OF OPERATION.

13 M008 TYPICAL FORCE FLOW HEATER CONTROLS SCHEMATIC
N.T.S.



NOTES:
1. STARTER AND RELAY BY DIV 26. COORDINATE LOCATION
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25.
3. REFER TO SPECIFICATION AND EQUIPMENT SCHEDULE FOR SEQUENCE OF OPERATION.

14 M008 TYPICAL UNIT HEATER CONTROLS SCHEMATIC (HYDRONIC)
N.T.S.



NOTES:
1. UNIT HEATER TO HAVE INTEGRAL 24V CONTROL FOR DIRECT CONTROL BY BAS, REFER TO EQUIPMENT SCHEDULE REMARKS.
2. LOW VOLTAGE WIRING TO BAS BY DIV. 25, REFER TO EQUIPMENT SCHEDULE AND ELECTRICAL PLANS FOR DIV 26 SCOPE.
3. REFER TO SPECIFICATION AND EQUIPMENT SCHEDULE FOR SEQUENCE OF OPERATION.

15 M008 TYPICAL UNIT HEATER CONTROLS SCHEMATIC (ELECTRIC)
N.T.S.

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ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
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OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
MECHANICAL CONTROLS

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CHECKED BY / VERIFIÉ PAR	R. LEONARD			
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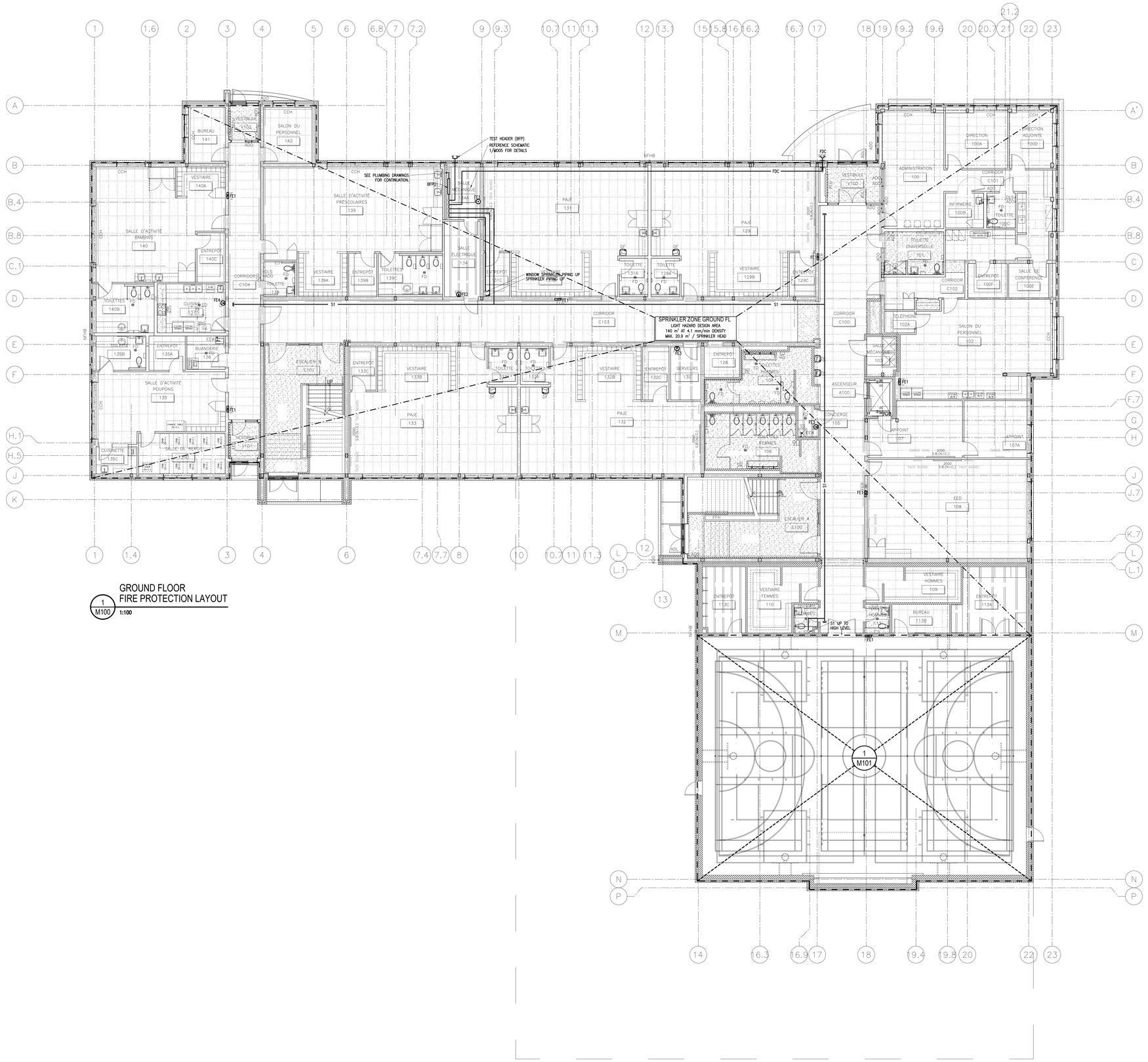

1 M100 GROUND FLOOR FIRE PROTECTION LAYOUT 1:100

GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES.
2. PROVIDE SPRINKLER SYSTEM COVERAGE FOR ALL AREAS IN ACCORDANCE WITH NFPA-13 REQUIREMENTS.
3. AT THE COMPLETION OF THE PROJECT, FIRE PROTECTION CONTRACTOR TO PROVIDE AN ENGINEER'S STAMPED REPORT CONFIRMING INSTALLATION OF SEISMIC BRACING TO OBC AND NFPA 13.
4. AT THE COMPLETION OF THE PROJECT, FIRE PROTECTION CONTRACTOR TO PROVIDE AN ENGINEER'S STAMPED LETTER CONFIRMING SYSTEM IS IN COMPLIANCE TO NFPA 13.
5. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS FOR PIPING WHERE CONGESTED. COORDINATE INTERFERENCE DRAWINGS WITH ALL OTHER TRADES. MULTILEVEL PIPING DISTRIBUTION AND LOW POINT C/W LOW POINT'S DRAINS SHALL BE EXPECTED TO ACCOMMODATE FULLY COORDINATED SYSTEMS INSTALLATIONS WITHIN AVAILABLE SERVICE SPACE.
6. ALL EXPOSED SPRINKLER HEADS IN SERVICE ROOMS AND GYMNASIUM, SHALL HAVE CHROME PLATED WIRE GUARDS.
7. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. REFERENCE ARCHITECTURAL DRAWINGS.
8. PROPOSED SPRINKLER MAIN LOCATIONS SHALL BE COORDINATED BY F.P. CONTRACTOR WITH ALL OTHER TRADES.
9. ALLOW FOR PIPE OFFSETS AS REQUIRED TO SUIT INTERFERENCES.
10. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINTS TO ALLOW FOR DRAINAGE.
11. ALL DRYWALL AREAS SHALL HAVE CONCEALED SPRINKLER HEADS.
12. SPRINKLERS IN GYMNASIUM SHALL BE COORDINATED WITH DUCTWORK, LIGHTING AND STRUCTURAL MEMBERS AND BE LOCATED WITHIN JOIST SPACE.
13. SPRINKLER PIPING SHALL BE COORDINATED WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
14. PROVIDE INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLERS HEADS IN SERVICE ROOMS.
15. PROVIDE HIGH TEMPERATURE CLASSIFICATION SPRINKLER HEADS AT TOP OF ELEVATOR HOISTWAY
16. SPRINKLER HEAD UNDER STAIR LANDING SHALL BE CONCEALED TYPE IN DRYWALL. RUN PIPING CONCEALED TIGHT TO STRUCTURE AND OFFSET TO MAIN CEILING SPACE. COORDINATE PIPE PENETRATIONS THOUGH STRUCTURAL MEMBERS AS REQUIRED TO ENSURE CONCEALED ROUTING WITHIN AVAILABLE ASSEMBLIES. REFERENCE ARCHITECTURAL DRAWINGS FOR DETAILS.
17. PROVIDE SEMI-PENDANT SPRINKLER HEADS IN CLASSROOMS (TYPICAL).
18. PROVIDE CONCEALED SPRINKLER HEADS IN OFFICES, VESTIBULES, CORRIDORS, WASHROOMS & TOP OF STAIRWELLS (TYPICAL).
19. PROVIDE UP-RIGHT SPRINKLER HEADS IN ROOMS WITH EXPOSED CEILINGS (TYPICAL).
20. PROVIDE FIRE EXTINGUISHER WITH RECESSED WALL CABINETS, SEMI RECESSED OR SURFACE MOUNTED. INSTALL IN ACCORDANCE WITH ONTARIO FIRE CODE. SURFACE FIRE EXTINGUISHERS SHALL COME C/W WALL BRACKET AND 150MM#150MM HARD WOOD BACK PLATE.
21. SPRINKLER PIPING SHALL BE COORDINATED WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
22. REFERENCE ARCHITECTURAL DRAWINGS FOR CEILING TYPES & ELEVATIONS.
23. SPRINKLER PIPING PENETRATING PARTITIONS SHALL HAVE CHROME PLATED ESCUTCHEONS WHERE EXPOSED.
24. ALL VESTIBULES & EXIT STAIR HEADS WITHIN 2.5m FROM EXIT DOOR SHALL BE DRY-FLEX CONCEALED SPRINKLER HEADS PIPED FROM ADJACENT SPACE. LOCATE SPRINKLER HEAD AWAY FROM EXIT DOOR.

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
FIRE PROTECTION
GROUND FLOOR

SCALE / ECHELLE	AS NOTED	PROJ. No	ISSUE No	REV. No
DRAWN BY / DESSINE PAR	R. SMITH	2025-304	3	0
CHECKED BY / VERIFIE PAR	R. LEONARD	DRAWING/DESSIN		
DATE	MAR 2026	**M100**		

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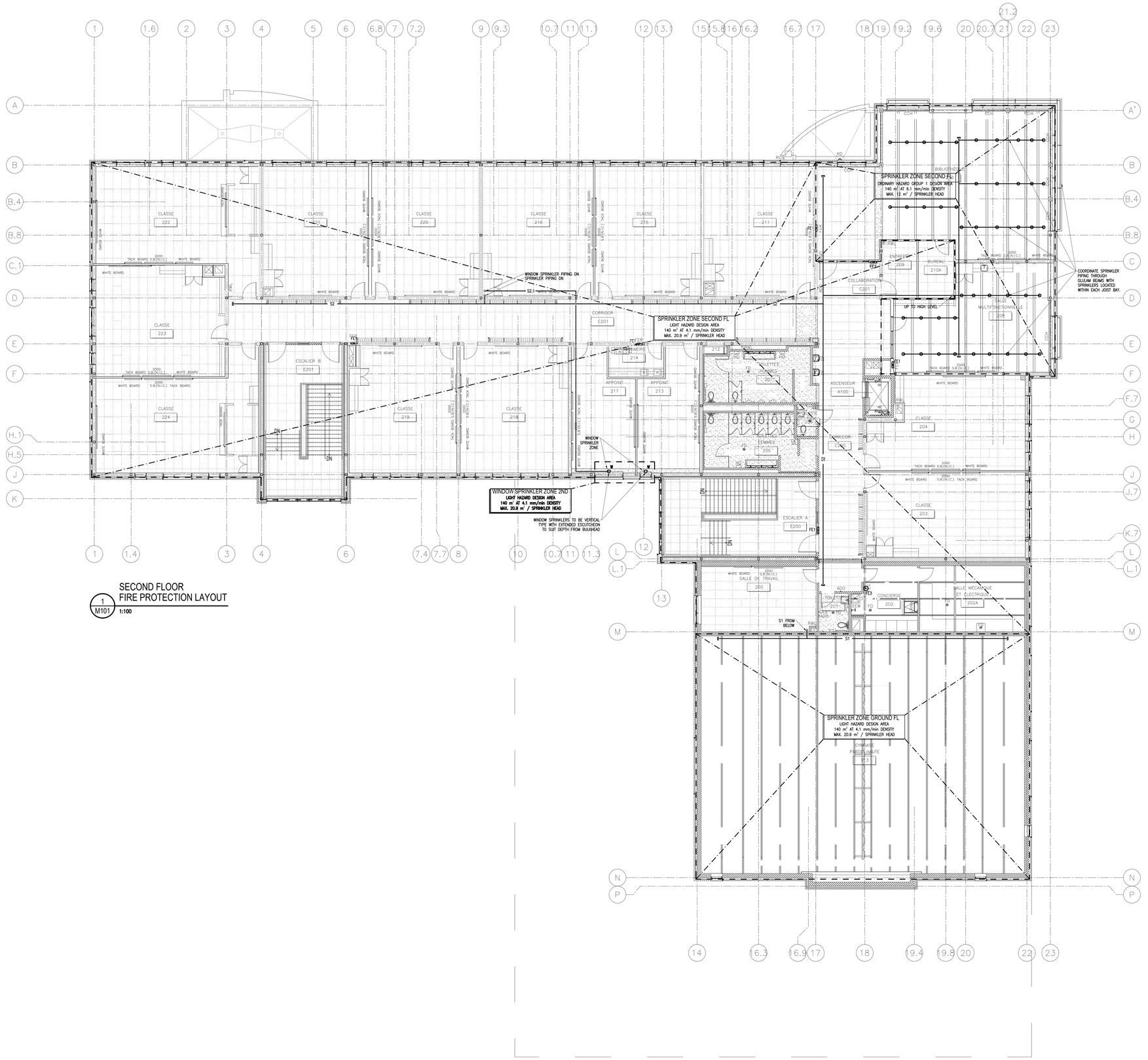

1 M101 SECOND FLOOR FIRE PROTECTION LAYOUT
1:100

GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES.
2. PROVIDE SPRINKLER SYSTEM COVERAGE FOR ALL AREAS IN ACCORDANCE WITH NFPA-13 REQUIREMENTS.
3. AT THE COMPLETION OF THE PROJECT, FIRE PROTECTION CONTRACTOR TO PROVIDE AN ENGINEER'S STAMPED REPORT CONFIRMING INSTALLATION OF SEISMIC BRACING TO OBC AND NFPA 13.
4. AT THE COMPLETION OF THE PROJECT, FIRE PROTECTION CONTRACTOR TO PROVIDE AN ENGINEER'S STAMPED LETTER CONFIRMING SYSTEM IS IN COMPLIANCE TO NFPA 13.
5. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS FOR PIPING WHERE CONGESTED. COORDINATE INTERFERENCE DRAWINGS WITH ALL OTHER TRADES. MULTILEVEL PIPING DISTRIBUTION AND LOW POINT C/W LOW POINT'S DRAINS SHALL BE EXPECTED TO ACCOMMODATE FULLY COORDINATED SYSTEMS INSTALLATIONS WITHIN AVAILABLE SERVICE SPACE.
6. ALL EXPOSED SPRINKLER HEADS IN SERVICE ROOMS AND GYMNASIUM, SHALL HAVE CHROME PLATED WIRE GUARDS.
7. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. REFERENCE ARCHITECTURAL DRAWINGS.
8. PROPOSED SPRINKLER MAIN LOCATIONS SHALL BE COORDINATED BY F.P. CONTRACTOR WITH ALL OTHER TRADES.
9. ALLOW FOR PIPE OFFSETS AS REQUIRED TO SUIT INTERFERENCES.
10. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINTS TO ALLOW FOR DRAINAGE.
11. ALL DRYWALL AREAS SHALL HAVE CONCEALED SPRINKLER HEADS.
12. SPRINKLERS IN GYMNASIUM SHALL BE COORDINATED WITH DUCTWORK, LIGHTING AND STRUCTURAL MEMBERS AND BE LOCATED WITHIN JOIST SPACE.
13. SPRINKLER PIPING SHALL BE COORDINATED WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
14. PROVIDE INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLERS HEADS IN SERVICE ROOMS.
15. PROVIDE HIGH TEMPERATURE CLASSIFICATION SPRINKLER HEADS AT TOP OF ELEVATOR HOISTWAY
16. SPRINKLER HEAD UNDER STAIR LANDING SHALL BE CONCEALED TYPE IN DRYWALL. RUN PIPING CONCEALED TIGHT TO STRUCTURE AND OFFSET TO MAIN CEILING SPACE. COORDINATE PIPE PENETRATIONS THOUGH STRUCTURAL MEMBERS AS REQUIRED TO ENSURE CONCEALED ROUTING WITHIN AVAILABLE ASSEMBLIES. REFERENCE ARCHITECTURAL DRAWINGS FOR DETAILS.
17. PROVIDE SEMI-PENDANT SPRINKLER HEADS IN CLASSROOMS (TYPICAL).
18. PROVIDE CONCEALED SPRINKLER HEADS IN OFFICES, VESTIBULES, CORRIDORS, WASHROOMS & TOP OF STAIRWELLS (TYPICAL).
19. PROVIDE UP-RIGHT SPRINKLER HEADS IN ROOMS WITH EXPOSED CEILINGS (TYPICAL).
20. PROVIDE FIRE EXTINGUISHER WITH RECESSED WALL CABINETS, SEMI RECESSED OR SURFACE MOUNTED. INSTALL IN ACCORDANCE WITH ONTARIO FIRE CODE. SURFACE FIRE EXTINGUISHERS SHALL COME C/W WALL BRACKET AND 150MMW150MM HARD WOOD BACK PLATE.
21. SPRINKLER PIPING SHALL BE COORDINATED WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
22. REFERENCE ARCHITECTURAL DRAWINGS FOR CEILING TYPES & ELEVATIONS.
23. SPRINKLER PIPING PENETRATING PARTITIONS SHALL HAVE CHROME PLATED ESCUTCHEONS WHERE EXPOSED.
24. ALL VESTIBULES & EXIT STAIR HEADS WITHIN 2.5m FROM EXIT DOOR SHALL BE DRY-FLEX CONCEALED SPRINKLER HEADS PIPED FROM ADJACENT SPACE. LOCATE SPRINKLER HEAD AWAY FROM EXIT DOOR.

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OTTAWA, ONTARIO

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DRAWING TITLE/TITRE DU DESSIN
FIRE PROTECTION
SECOND FLOOR

SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	R. SMITH	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	R. LEONARD	**M101**		
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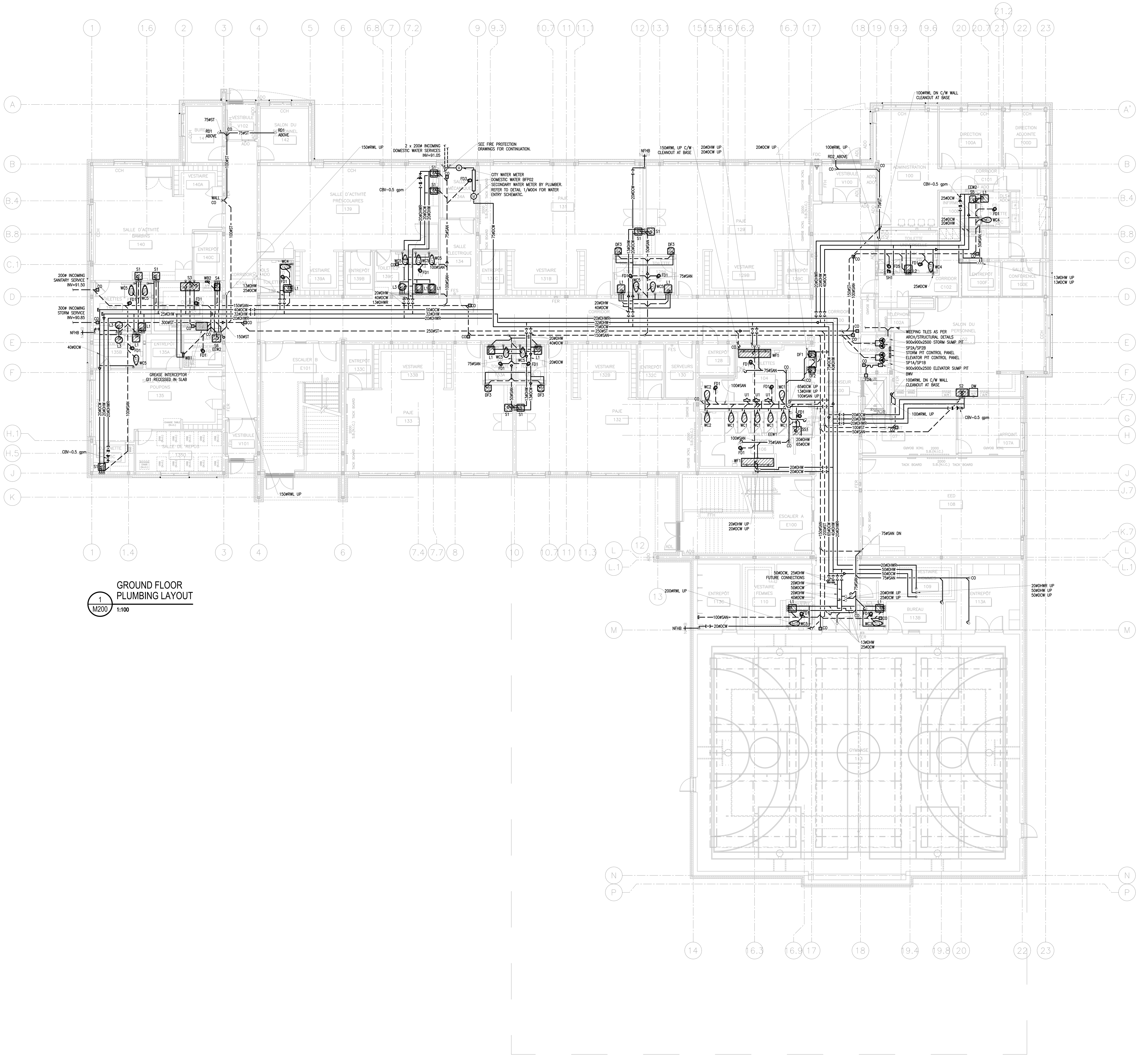

GROUND FLOOR PLUMBING LAYOUT

1 / M200 — 1:100

GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES.
2. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS FOR PIPING IN CORRIDORS, OR WHERE CONGESTED.
3. COORDINATE INTERFERENCES WITH ALL OTHER TRADES.
4. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. COORDINATE WITH ARCHITECTURAL.
5. ALLOW FOR PIPE OFFSETS AS REQUIRED TO SUIT INTERFERENCES.
6. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINTS TO ALLOW FOR DRAINAGE.
7. REFERENCE ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
8. ALL STORM DRAINS SHALL BE A MINIMUM OF 75 MM DIAMETER UNLESS OTHERWISE INDICATED.
9. OFFSET PLUMBING PIPING TO AVOID STRUCTURAL MEMBERS AND OTHER INTERFERENCES.
10. MAINTAIN VENTING CLEARANCES TO INTAKES ON ROOF AS PER OBC.
11. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE UNDERGROUND PLUMBING SERVICES CIVIL CONTRACTOR AND WITH STRUCTURAL FOOTINGS AND FOUNDATIONS.
12. ALL PLUMBING VENTS SHALL TERMINATE MINIMUM 3500 MM AWAY FROM AIR INTAKES AS PER OBC.
13. PROVIDE QUARTER TURN BALL ISOLATION VALVES AT ALL PLUMBING FIXTURES.
14. PROVIDE WATER HAMMER ARRESTORS ON DCW AND DHW ON ALL PLUMBING FIXTURE GROUPS OR END OF LINES.
15. ALL STORM PIPES SHALL BE INSULATED (EXPOSED AND CONCEALED) AND JACKETED WHERE EXPOSED AS PER SPECIFICATION.
16. ROUGH-IN TO PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS & EXACT PLUMBING FIXTURE.
17. REFER TO ROOF DRAWING FOR ALL ROOF RELATED PLUMBING WORK.
18. ADJUST ALL METERING FAUCETS TO CLOSE AFTER 10 SECONDS
19. EXTEND PLUMBING PIPING TO EACH INDIVIDUAL PLUMBING FIXTURE WHERE SHOWN IN CHASE OR A GROUP OF FIXTURES.
20. THERMALLY INSULATE ALL DHW & DCW PIPING TO EACH PLUMBING FIXTURE INCLUDING WITHIN PARTITIONS & CHASE.
21. REFERENCE ARCHITECTURAL DRAWINGS FOR CEILING TYPES & ELEVATIONS.
22. PROVIDE WALL MOUNTED BRACKET TO BLOCK WALL FOR LAVS IN WASHROOMS 111, 112, 201 AND 206.

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FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
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OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
PLUMBING GROUND FLOOR

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
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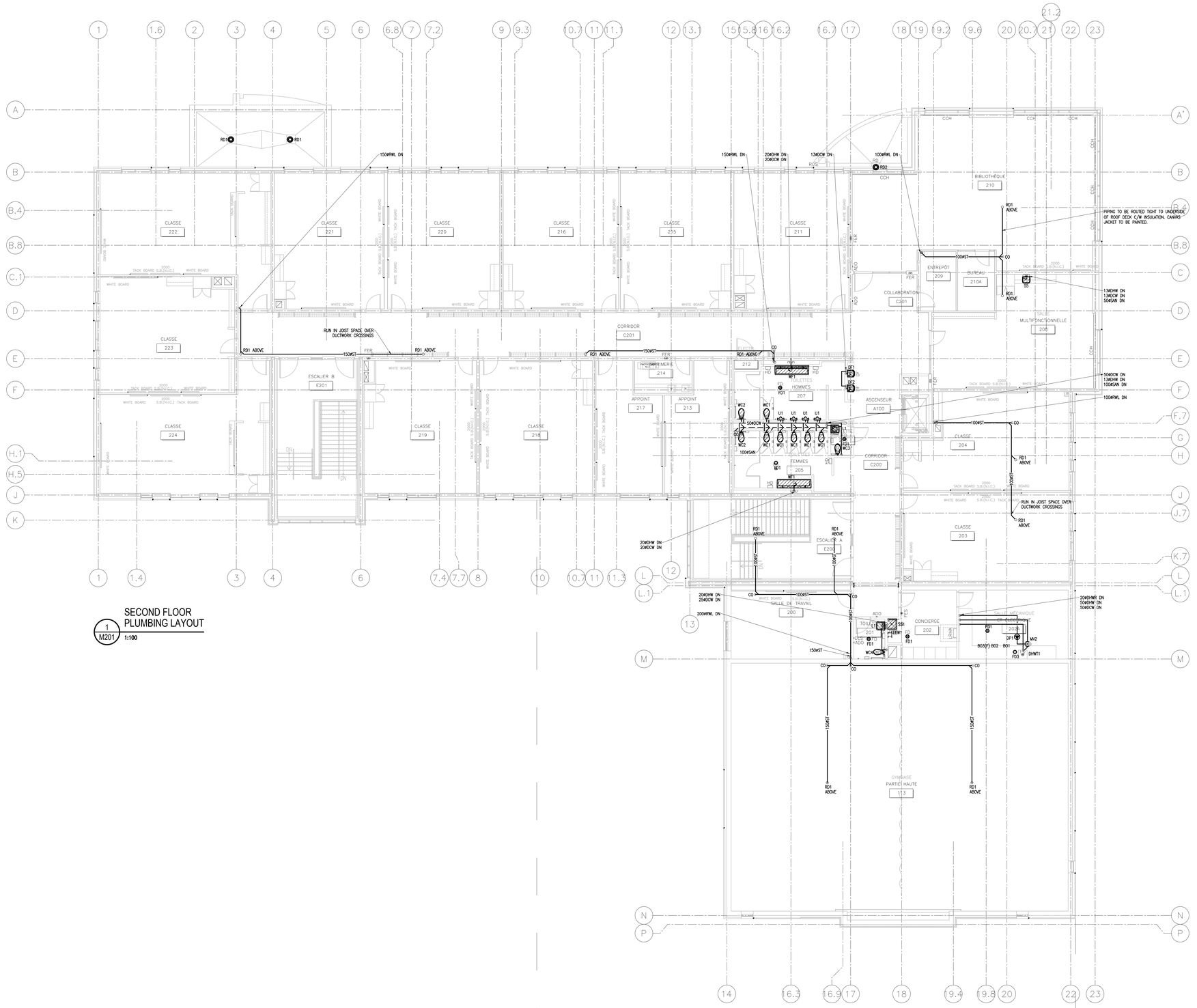

1 / M201 SECOND FLOOR PLUMBING LAYOUT
1:100

GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES.
2. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS FOR PIPING IN CORRIDORS, OR WHERE CONGESTED.
3. COORDINATE INTERFERENCES WITH ALL OTHER TRADES.
4. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. COORDINATE WITH ARCHITECTURAL.
5. ALLOW FOR PIPE OFFSETS AS REQUIRED TO SUIT INTERFERENCES.
6. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINTS TO ALLOW FOR DRAINAGE.
7. REFERENCE ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
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13. PROVIDE QUARTER TURN BALL ISOLATION VALVES AT ALL PLUMBING FIXTURES.
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DRAWING TITLE/TITRE DU DESSIN
PLUMBING
SECOND FLOOR

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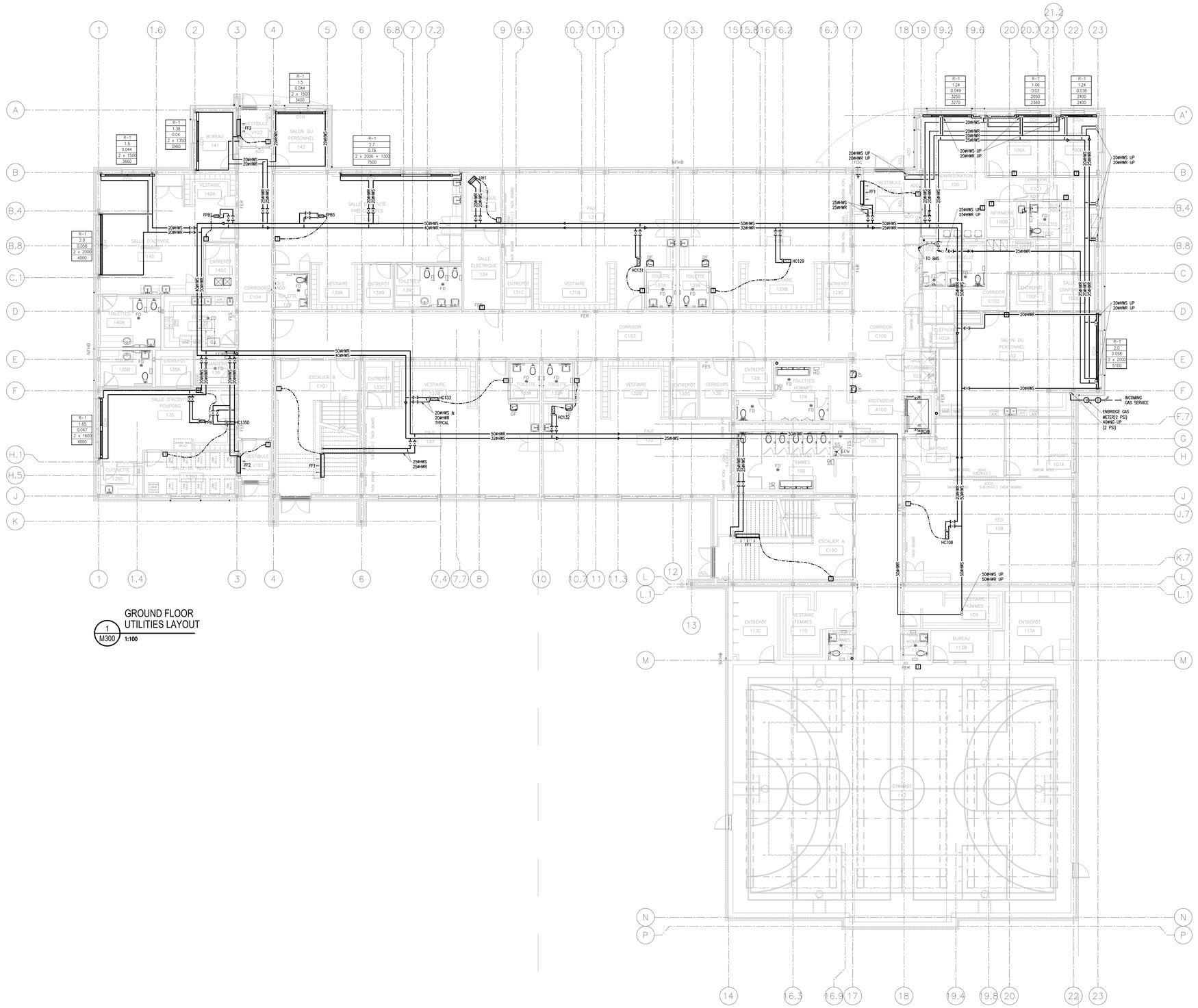

1 M300 GROUND FLOOR UTILITIES LAYOUT
1:100

GENERAL NOTES

1. HYDRONIC HEATING COILS, FORCE FLOW, UNIT HEATERS AND RADIANT CEILING PANELS SHALL BE PIPED AS PER DETAILS.
2. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN HYDRONIC HOT WATER PIPE DISTRIBUTION. AIR VENT SHALL HAVE ISOLATION VALVES.
3. OFFSET PIPING TO SUIT SITE CONDITIONS AND INTERFERENCES.
4. ALL FORCE FLOW HEATERS, UNIT HEATERS SHALL BE CONTROLLED BY EMCS USING SPACE TEMPERATURE SENSORS TO ALLOW FAN CYCLING.
5. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINT AND AT EQUIPMENT TO ALLOW FOR DRAINAGE.
6. COORDINATE WITH ALL OTHER TRADES.
7. PROVIDE ISOLATION VALVES AT ALL HEATING WATER CONNECTIONS TO ALL HEATING DEVICES.
8. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. REFERENCE ARCHITECTURAL DRAWINGS.
9. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS OF ALL MECHANICAL EQUIPMENT AND PIPING, IN CORRIDORS, SERVICE ROOMS AND WHERE CONGESTED. COORDINATE INTERFERENCE DRAWINGS WITH ALL OTHER TRADES.
10. REFERENCE SYSTEM SCHEMATIC FOR AUXILIARY DEVICES, PIPE SIZING AND PIPING ARRANGEMENT. COORDINATE WITH CONTROLS CONTRACTOR FOR ALL AUXILIARY CONTROLS COMPONENTS ON PIPING SYSTEM
11. RADIATION ELEMENTS SHALL BE EQUALLY SPACED ACROSS ROOM AND DIRECTLY BELOW WINDOWS.
12. PROVIDE ANCHORS, GUIDES, AND EXPANSION FITTINGS ON HWS AND HWR PIPING.
13. ALL NATURAL GAS PIPING WITHIN BUILDING SHALL BE WELDED; 50mm# & SMALLER USE SOCKET WELL FITTINGS; PAINTED WITH TWO (2) COATS IN YELLOW.
14. PROVIDE ACCESS DOORS TO ALL EQUIPMENT'S ISOLATION VALVES AND CONTROL VALVES WHERE IN INACCESSIBLE CEILINGS OR CHASES. PROVIDE MIN. 610 mm x 610 mm DRYWALL ACCESS DOORS WITH FRAME AND LOCKING MECHANISM. WHERE PENETRATION IS IN A FIRE SEPARATION, PROVIDE RATED ACCESS DOOR EQUAL TO RATING REQUIREMENTS.

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ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

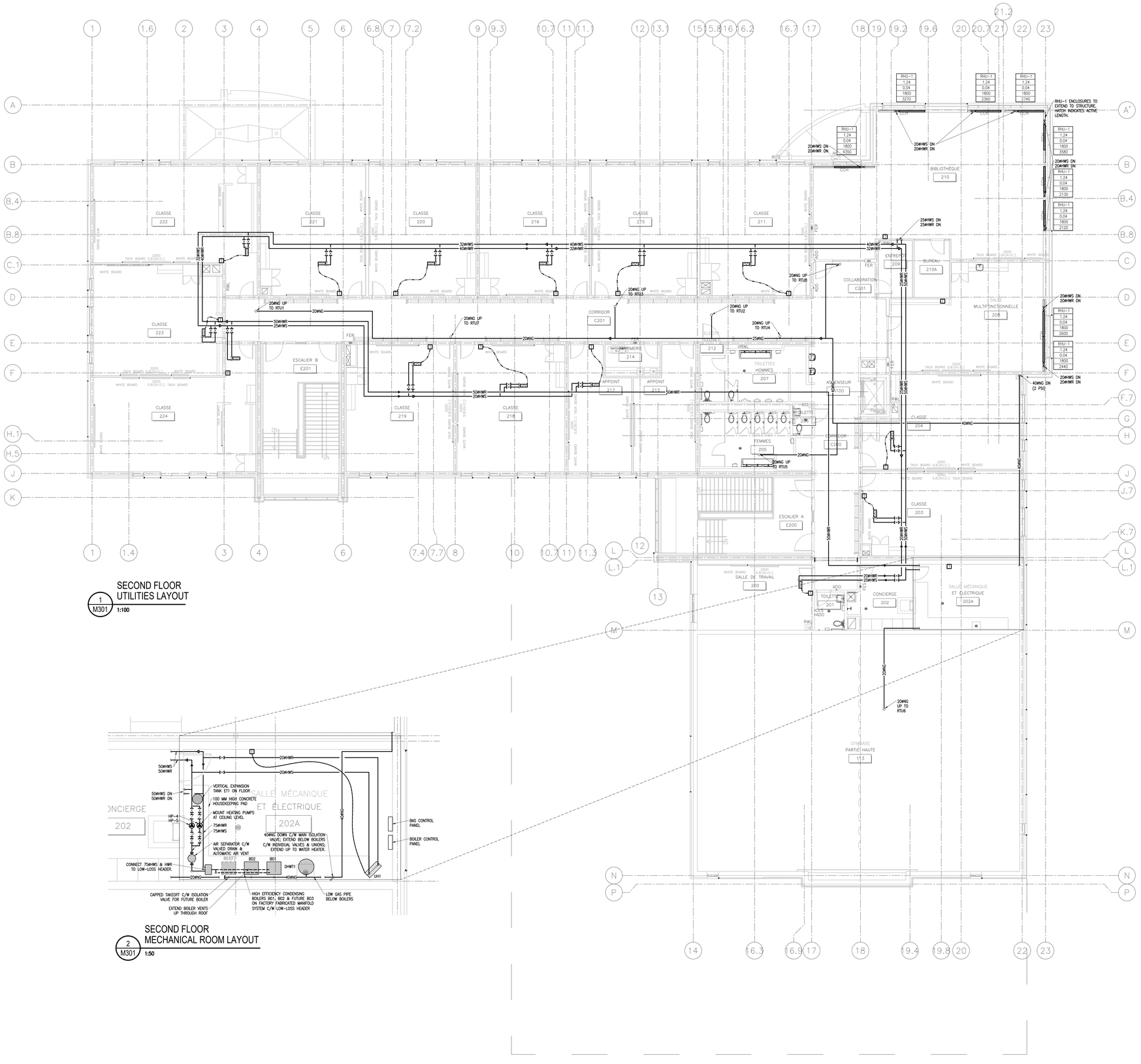
CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
UTILITIES
GROUND FLOOR

SCALE / ECHELLE	AS NOTED	PROJ. No	ISSUE No	REV. No
		2025-304	3	0
DRAWN BY / DESSINE PAR	R. SMITH	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	R. LEONARD	M300		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-304		

GENERAL NOTES

1. HYDRONIC HEATING COILS, FORCE FLOW, UNIT HEATERS AND RADIANT CEILING PANELS SHALL BE PIPED AS PER DETAILS.
2. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN HYDRONIC HOT WATER PIPE DISTRIBUTION. AIR VENT SHALL HAVE ISOLATION VALVES.
3. OFFSET PIPING TO SUIT SITE CONDITIONS AND INTERFERENCES.
4. ALL FORCE FLOW HEATERS, UNIT HEATERS SHALL BE CONTROLLED BY EMCS USING SPACE TEMPERATURE SENSORS TO ALLOW FAN CYCLING.
5. PROVIDE HOSE END VALVE WITH CHAIN AND CAP AT ALL LOW POINT AND AT EQUIPMENT TO ALLOW FOR DRAINAGE.
6. COORDINATE WITH ALL OTHER TRADES.
7. PROVIDE ISOLATION VALVES AT ALL HEATING WATER CONNECTIONS TO ALL HEATING DEVICES.
8. PROVIDE FIRE STOPPING WHERE PIPE PENETRATES FIRE SEPARATIONS. REFERENCE ARCHITECTURAL DRAWINGS.
9. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS OF ALL MECHANICAL EQUIPMENT AND PIPING, IN CORRIDORS, SERVICE ROOMS AND WHERE CONGESTED. COORDINATE INTERFERENCE DRAWINGS WITH ALL OTHER TRADES.
10. REFERENCE SYSTEM SCHEMATIC FOR AUXILIARY DEVICES, PIPE SIZING AND PIPING ARRANGEMENT. COORDINATE WITH CONTROLS CONTRACTOR FOR ALL AUXILIARY CONTROLS COMPONENTS ON PIPING SYSTEM
11. RADIATION ELEMENTS SHALL BE EQUALLY SPACED ACROSS ROOM AND DIRECTLY BELOW WINDOWS.
12. PROVIDE ANCHORS, GUIDES, AND EXPANSION FITTINGS ON HWS AND HWR PIPING.
13. ALL NATURAL GAS PIPING WITHIN BUILDING SHALL BE WELDED; 50mm# & SMALLER USE SOCKET WELL FITTINGS; PAINTED WITH TWO (2) COATS IN YELLOW.
14. PROVIDE ACCESS DOORS TO ALL EQUIPMENT'S ISOLATION VALVES AND CONTROL VALVES WHERE IN INACCESSIBLE CEILINGS OR CHASES. PROVIDE MIN. 610 mm x 610 mm DRYWALL ACCESS DOORS WITH FRAME AND LOCKING MECHANISM. WHERE PENETRATION IS IN A FIRE SEPARATION, PROVIDE RATED ACCESS DOOR EQUAL TO RATING REQUIREMENTS.



1 M301 **SECOND FLOOR UTILITIES LAYOUT** 1:100

2 M301 **SECOND FLOOR MECHANICAL ROOM LAYOUT** 1:50

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4	0	2026/04/24	ISSUED FOR TENDER
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2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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SECOND FLOOR

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DRAWN BY / DESSINÉ PAR	R. SMITH	DRAWING/DESSIN		
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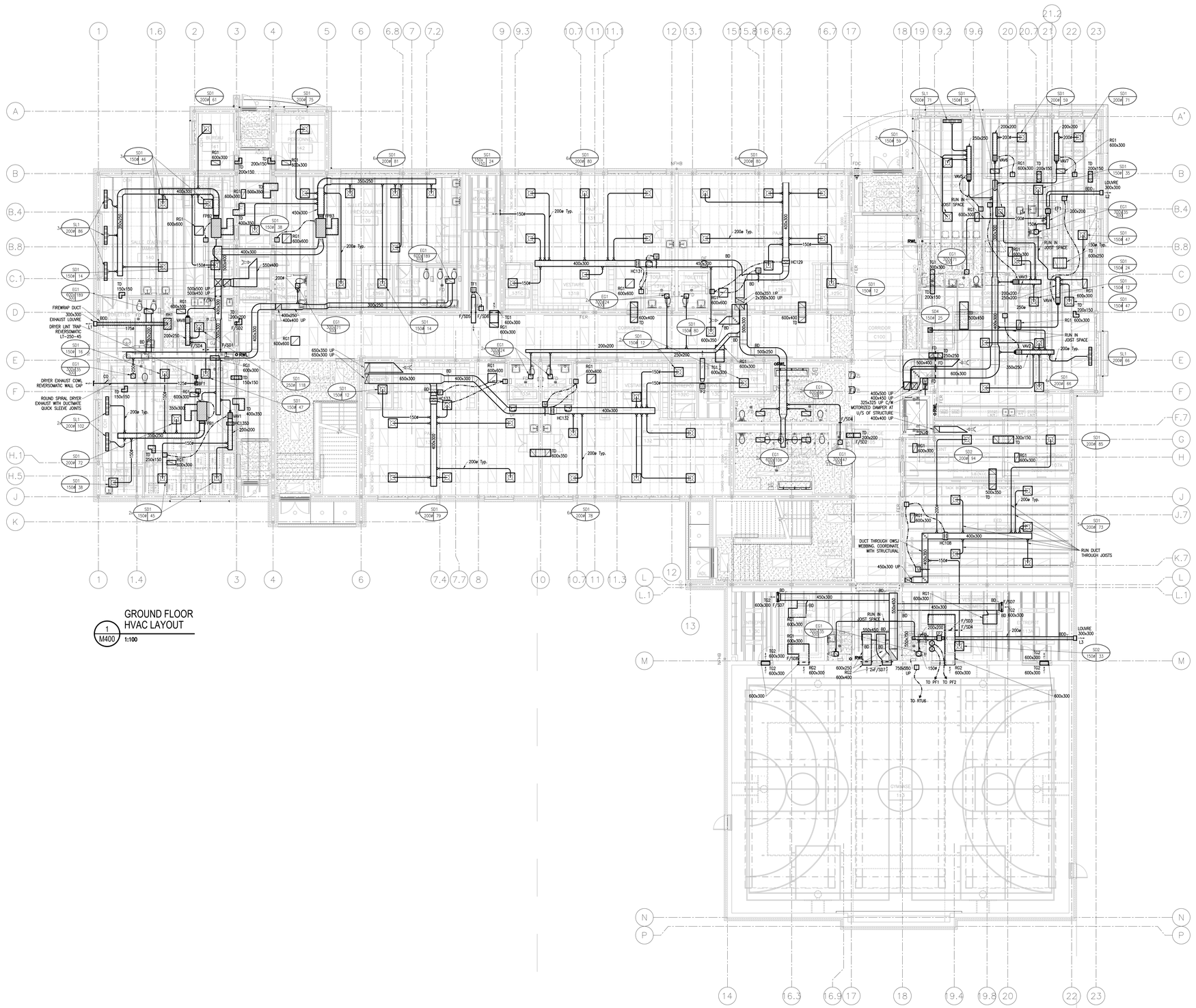

GROUND FLOOR
HVAC LAYOUT

1 / M400 — 1:100

GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES.
2. CONTRACTOR TO PROVIDE INTERFERENCE DRAWINGS OF ALL MECHANICAL EQUIPMENT AND DUCTWORK IN CORRIDORS, WASHROOMS, AND SERVICE ROOMS.
3. COORDINATE INTERFERENCE DRAWINGS WITH ALL OTHER TRADES.
4. PROVIDE FIRE DAMPERS WHERE DUCTS PENETRATE FIRE SEPARATIONS. INSTALL IN ACCORDANCE WITH ULC LISTING. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL ASSEMBLY.
5. ALL SUPPLY AIR DUCTWORK SHALL BE THERMALLY INSULATED INCLUDING AT SILENCERS WITH VAPOUR BARRIER.
6. ALL RECTANGULAR BALANCING DAMPERS SHALL BE MULTI-OPPOSED BLADE MANUAL DAMPER, 4-WAY SELF ADJUSTING FRAME, LINKAGES, 40 MM STANDOFF AND LOCKING QUADRANT HANDLE.
7. ALL VAV TERMINAL & FAN POWERED TERMINAL'S SUPPLY AIR MINIMUMS SHALL BE SET AT 25% MINIMUM OF THE MAXIMUM AIRFLOW, UNLESS OTHERWISE INDICATED.
8. COORDINATE DUCT ROUTING WITH STRUCTURAL STEEL AND OTHER SYSTEMS AND TRADES.
9. ALL TRANSITIONS FROM ROOFTOP UNITS SHALL BE MADE WITHIN THE CURB. TRANSITION SHEET METAL GAUGE SHALL BE SAME AS SILENCER GAUGE METAL; MINIMUM SHALL BE 16 GAUGE. TRANSITIONS SHALL BE COORDINATED WITH STRUCTURAL STEEL, SO THAT SILENCERS FIT BETWEEN BEAMS AND/OR JOIST. TRANSITIONS SHALL HAVE ACOUSTIC LINING.
10. SILENCER SHALL BE AS TIGHT AS POSSIBLE TO UNDERSIDE OF STEEL ROOF DECK. (REFERENCE DETAIL). ALL DUCTWORK BETWEEN RTU & SILENCER SHALL BE MIN 16 GAUGE.
11. OFFSETS BRANCH DUCTWORK TO SUIT INTERFERENCES.
12. ALL DRYWALL ACCESS DOORS TO BE 600 mm X 600 mm UNLESS OTHERWISE INDICATED.
13. REFERENCE ELECTRICAL DRAWINGS FOR POWER CIRCUIT LOCATIONS FOR BUILDING AUTOMATION SYSTEM, DAMPERS AND VAV TERMINALS.
14. ALL THERMOSTATS AND/OR SENSORS TO HAVE ROUGHED CONDUIT IN BLOCK WALL; ENSURE LOCATIONS ARE COORDINATED WITH GENERAL TRADES AND ARCHITECTURAL DRAWINGS.
15. PROVIDE CEILING ACCESS DOORS WHERE EQUIPMENT ACCESS IS REQUIRED ABOVE DRYWALL OR HARD FINISH CEILING.
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18. ALL FIRE DAMPERS WITH FACE GRILLE SHALL HAVE REVERSED ANGLES. INSTALL IN ACCORDANCE WITH ULC LISTING.
19. DDC CONTROLLER FOR RTU'S SHALL BE LOCATED IN CORRIDOR ABOVE ACCESSIBLE SUSPENDED CEILING DIRECTLY BELOW RTU OR IN GROUPINGS. EQUIPMENT IDENTIFICATION TAGS SHALL INDICATE CONTROLLER LOCATION.
20. ALL TRANSFER OPENINGS, TRANSFER DUCTS & FAN POWERED BOX SUPPLY AIR DUCTS SHALL HAVE FIRE DAMPER AT NON-RATED FIRE SEPARATION. (ZERO-HOUR FIRE SEPARATION)
21. SUPPLY AIR DUCT SPLITING FITTINGS SHALL BE DIVIDED TYPE WITH RADIUS ELBOW WHERE SPACE ALLOWS; ALTERNATIVELY SQUARE ELBOW WITH TURNING VANES. DETERMINE DUCT RATIO BASED ON AIRFLOW VALUES.

Écoles catholiques Centre-Est

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HVAC
GROUND FLOOR

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DRAWN BY / DESSINE PAR	R. SMITH	2025-304	3	0
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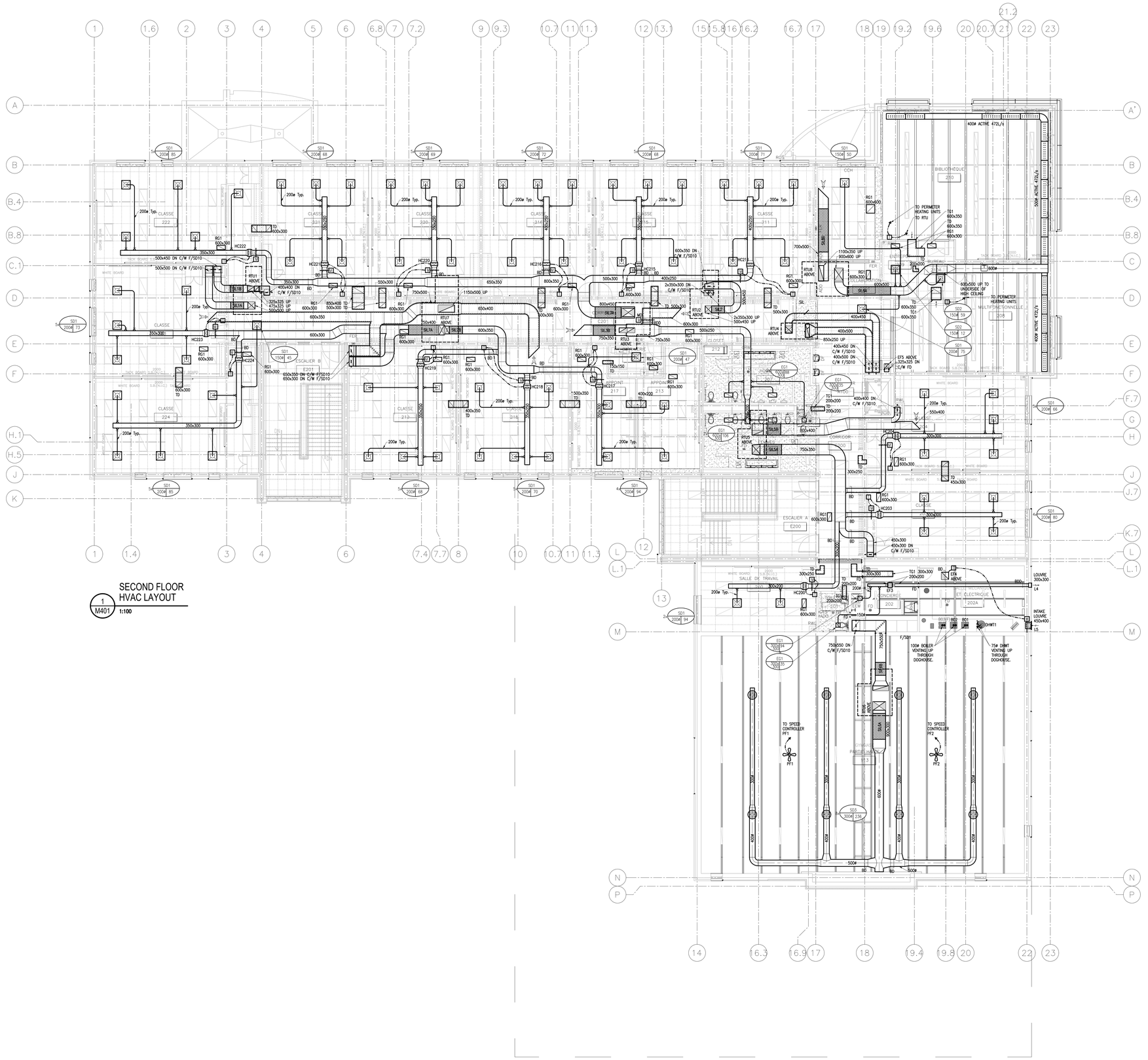
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CHECKED BY / VERIFIE PAR: R. LEONARD
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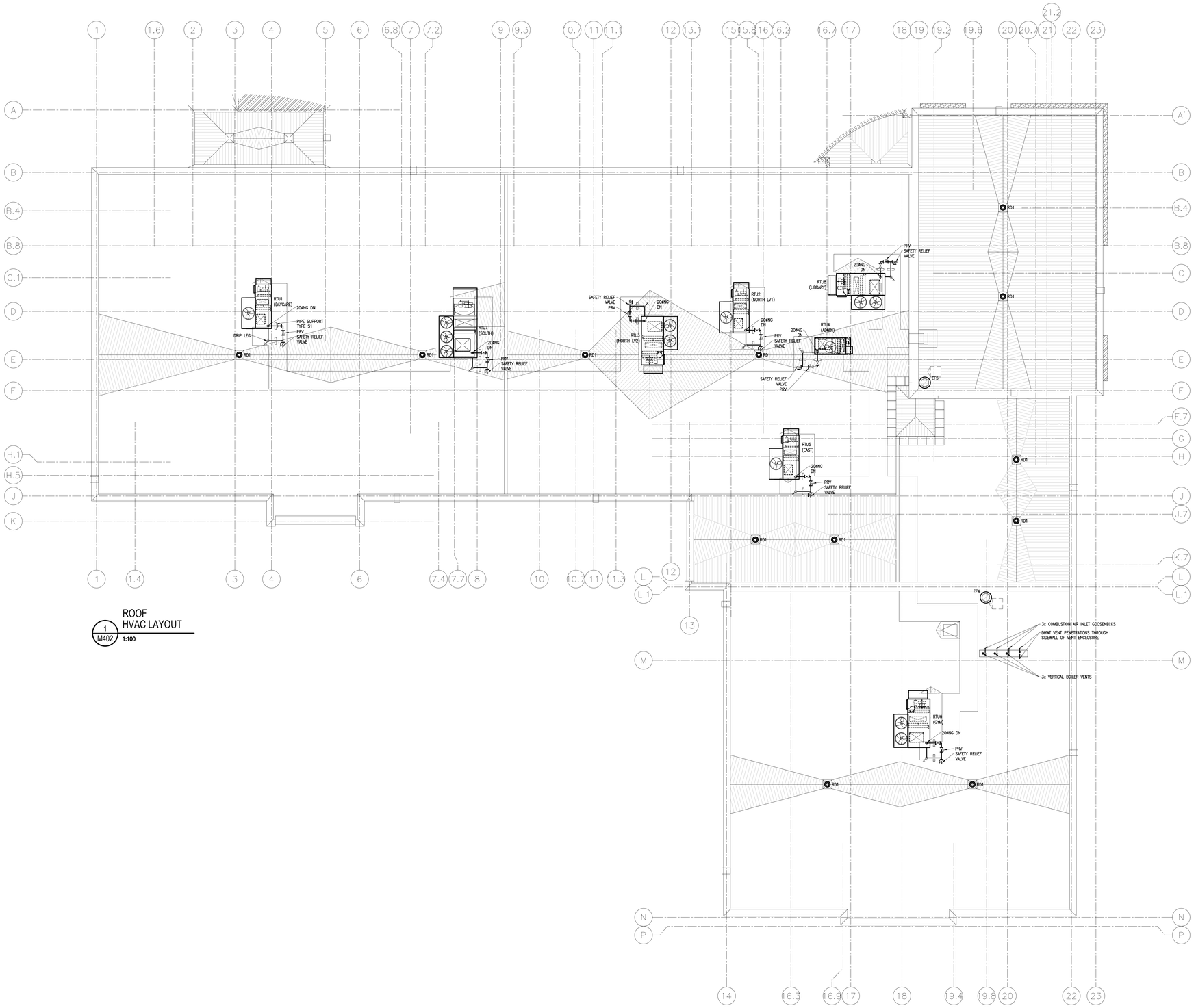

1 M402 ROOF HVAC LAYOUT 1:100

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ROOF PLAN

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ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM

FINDLAY CREEK DRIVE, OTTAWA, ON

ELECTRICAL

INTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	LAMPS PER FIXTURE TYPE	LUMENS / WATTS	COLOUR	VOLT	MOUNTING	REMARKS
1	2X4 RECESSED LED PANEL ON TILE CEILING	LITHONIA LIGHTING # CPX 2X4 4000LM 35K M2	LED	4677 LUMENS / 36.8W	3500	120	RECESSED	C/W ALL ACCESSORIES
1A	2X4 RECESSED LED PANEL ON DRYWALL CEILING	LITHONIA LIGHTING # CPX 2X4 4000LM 35K M2 DGA24	LED	4677 LUMENS / 36.8W	3500	120	RECESSED	C/W ALL ACCESSORIES
2	1X4 RECESSED LED PANEL ON DRYWALL CEILING	LITHONIA LIGHTING # CPX 1X4 3200LM 35K SWL MIN10 ZT MVOLT DGA14	LED	3200 LUMENS / 28.5W	3500	120	RECESSED	C/W ALL ACCESSORIES C/W DRYWALL FRAME KIT
3	4" LED SUSPENDED PENDANT	PEERLESS # PRPD LLP XXIT 80CRI 35K 600LMF ZT 120 SCT 96A	LED	600 LUMENS / FT	3500	120	SUSPENDED	C/W ALL ACCESSORIES C/W AIR CRAFT CABLE AND MH AS PER ARCHITECT
4	6" DOWN LIGHT AT CORRIDOR	LITHONIA LIGHTING # LBR6-ALO2-SWH1-A10-LSS-MWD-MVOLT-UGZ-90CRI	LED	1881 LUMENS / 18.7W	3500	120	RECESSED	C/W ALL ACCESSORIES.
5	LED GYM LIGHT	LITHONIA LIGHTING # CPHB 15000LM HEF GCL WD 40K 80CRI	LED	15413 LUMENS / 100W	4000	120	SURFACE ON BEAM	PROVIDE ALL REQUIRED MOUNTING ACCESSORIES. C/W WIRE GUARD
6	4' LED STRIP LIGHT	LITHONIA LIGHTING # CSS L48 4000LM MVOLT 35K 80CRI WGCSS	LED	4098 LUMENS / 34.2W	3500	120	SURFACE/ SUSPENDED	C/W ALL ACCESSORIES
7	4" DOWNLIGHT IN DISPLAY CABINET	LITHONIA LIGHTING # WF4 LED 30K MW M6	LED	675 LUMENS / 9.6W	3500	120	RECESSED	C/W ALL ACCESSORIES
8	STRIP LIGHT UNDER CABINET	PRISM LIGHTING GROUP # 6500-FL-4W120V-35K	LED	75 LUMENS / 4W	3500	120	SURFACE	C/W ALUMINUM CHANNEL AND ALL ACCESSORIES COORDINATE LENGTH WITH MILLWORK

NOTES:
1. PROVIDE DRYWALL ADAPTOR KIT FOR LIGHT FIXTURE IN HARD CEILING.
2. COORDINATE AIMING OF ADJUSTABLE FIXTURES WITH ARCHITECTURE ENGINEER AND CLIENT.

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	LAMPS PER FIXTURE LUMENS	TYPE	WATTS	COLOUR	VOLT	MOUNTING	REMARKS
P1	EXTERIOR POLE LIGHTS (SINGLE HEAD)	GARDCO OPTIFORM SMALL OPF-S-A02-730-BLC	6234	LED	55	3500	120	POLE	ROUND ALUMINUM POLE C/W SNOW GUARD
P2	EXTERIOR POLE LIGHTS (TRIPLE HEAD)	OPTIFORM – SMALL 40 LED's, 3000K CCT, TYPE T4W OPTIC, 70CRI OPF-S-A04-730-T4W	13,847	LED	272.4	3500	120	POLE	ROUND ALUMINUM POLE C/W SNOW GUARD LUMEN AND WATTAGE INDICATED ARE FOR EACH LAMP.
W1	EXTERIOR WALL SCONCE	GARDCO WALL MOUNT GEOFORM GWS-A01-830-T4M	1467	LED	11	3500	120	WALL	REFER TO ARCHITECTURAL DRAWINGS AND FLOOR PLAN FOR MOUNTING HEIGHT AND EXACT LOCATION
W2	EXTERIOR WALL SCONCE	GARDCO WALL MOUNT GEOFORM GWS-A02-830-T4M	2452	LED	17	3500	120	WALL	REFER TO ARCHITECTURAL DRAWINGS AND FLOOR PLAN FOR MOUNTING HEIGHT AND EXACT LOCATION
Q	CANOPY LIGHT	LIGHTOLIER DOWNLIGHT M4RDL109CSWCD 3000K	1005	LED	11	3500	120	RECESSED	C/W ALL ACCESSORIES

NOTES:
1. COORDINATE AIMING OF ADJUSTABLE FIXTURES WITH ARCHITECTURE ENGINEER AND CLIENT.
2. PROVIDE HOUSE SIDE SHIELD TO FIXTURES (AS NOTE ON SITE PLAN)

LIGHTING & FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
1	FLUORESCENT LIGHT FIXTURE – TYPE AS SHOWN
2 S	NIGHT LIGHT – DO NOT SWITCH
	CEILING MOUNTED LIGHT FIXTURE – TYPE AS SHOWN
	WALL MOUNTED LIGHT FIXTURE – TYPE AS SHOWN
	EXTERIOR POLE MOUNTED LIGHT FIXTURE – TYPE AS SHOWN
$	WALL MOUNTED LOW VOLTAGE SWITCH – M.H. 1100mm A.F.F.
$3	WALL MOUNTED 3-WAY SWITCH – M.H. 1100mm A.F.F.
$K	KEY SWITCH – M.H. 1100mm A.F.F.
$LV	WALL MOUNTED LOW VOLTAGE DIMMING SWITCH – M.H. 1100mm A.F.F.
$OS	WALL MOUNTED LOW VOLTAGE OCCUPANCY SENSOR SWITCH(DUAL TECHNOLOGY) – M.H. 1100mm A.F.F.
$LV.OS	WALL MOUNTED LOW VOLTAGE DIMMING SWITCH WITH OCCUPANCY SENSOR – M.H. 1100mm A.F.F. EQUAL TO WATTSTOPPER PW-311
OS	CEILING MOUNTED MOTION SENSOR – DUAL TECHNOLOGY
OS	GYM WALL MOUNTED MOTION SENSOR–DUAL TECHNOLOGY–M.H. 3000MM A.F.F.
R	RELAY FOR LIGHTING CONTROL – DELTA CONTROLS
	CEILING MOUNTED EXIT LIGHT, SINGLE OR DOUBLE–FACE AS SHOWN
	WALL MOUNTED EXIT LIGHT, SINGLE OR DOUBLE–FACE AS SHOWN
FACP	FIRE ALARM CONTROL PANEL
FANN	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM HEAT DETECTOR, 75?C
	FIRE ALARM HEAT DETECTOR, 90?C
F	FIRE ALARM HORN
F	FIRE ALARM COMBINATION HORN/STROBE
F	FIRE ALARM PULL STATION
DH	FIRE ALARM DOOR HOLDER
SV	FIRE ALARM SUPERVISED VALVE
FS	FIRE ALARM FLOW SWITCH
PS	FIRE ALARM LOW PRESSURE SWITCH
F	FIRE ALARM STROBE LIGHT
SA CO	120V SMOKE ALARM C/W BATTERY BACK UP, STROBE AND CO ALARM. STAND ALONE.
	DUCT MOUNTED SMOKE DETECTOR C/W LED INDICATOR
F/SD RS/LED	SLAB SMOKE DETECTOR C/W RELAY BASE AND LED INDICATOR ON CEILING
RS	SMOKE DETECTOR C/W RELAY BASE

POWER & SYSTEMS LEGEND

SYMBOL	DESCRIPTION
	15A, 120V WALL MOUNTED DUPLEX RECEPTACLE
	DEDICATED DUPLEX RECEPTACLE
GFI	GROUND FAULT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT INTERRUPTING RECEPTACLE INSTALLED OVER COUNTER
	RECEPTACLE INSTALLED OVER COUNTER
C	CEILING MOUNTED RECEPTACLE
USB	DUPLEX RECEPTACLE WITH 2 USB
	5–20R HOUSEKEEPING RECEPTACLE
	5–20R RECEPTACLE INSTALLED OVER COUNTER
	SPECIAL RECEPTACLE – TYPE AS INDICATED
J	120V JUNCTION BOX, 250x250x150mm UNLESS NOTED OTHERWISE
HD	HAND DRYER 1400W, 120V. SEE SPECIFICATIONS
	RELAY FOR BAS CONTROL
	DISCONNECT SWITCH
	MANUAL MOTOR STARTER – CSA CERTIFIED AS A DISCONNECTING MEANS AND LOCKABLE IN THE "OFF" POSITION.
	TRANSFORMER
MD	MOTORIZED DAMPER
SS	SPEED SWITCH SUPPLIED BY DIV. 15, INSTALLED & WIRED BY DIV. 16
	SINGLE PHASE ELECTRIC MOTOR
HP	THREE PHASE ELECTRIC MOTOR – HORSEPOWER AS SHOWN
	EMERGENCY PUSH BUTTON
	SURFACE MOUNTED PANEL
	RECESSED PANEL
	BARRIER–FREE DOOR OPERATOR C/W PUSHBUTTONS
DL	DOOR LOCK BUTTON
	"OCCUPIED WHEN LIT" LIGHT
	FLEXIBLE CONDUIT
	CONDUIT DOWN
	CONDUIT UP
+	HARD WIRE CONNECTION
	HOMERUN BACK TO PANEL
	WIRING IN OR UNDER FLOOR
E	CONDUIT STUB C/W BUSHING
	DATA OUTLET BOX
WFI	WIFI OUTLET BOX
	TELEPHONE OUTLET BOX
	INTERCOM
2	INTERCOM (DAYCARE)
M	INTERCOM MASTER CONSOLE (MAIN SCHOOL)
1M	APHONE SYSTEM (MAIN SCHOOL DESK OR WALL STATION)
2M	APHONE SYSTEM (DAYCARE DESK OR WALL STATION)
1	APHONE SYSTEM (MAIN SCHOOL DOOR STATION)
2	APHONE SYSTEM (DAYCARE DOOR STATION)
MIC	MICROPHONE OUTLET
S	PUBLIC ADDRESS (P/A) SPEAKER, CEILING MOUNTED
WG	EXTERIOR P/A HORN WEATHERPROOF C/W WIRE GUARD (SEE SPECIFICATIONS)
	BATTERY POWERED, WALL MOUNTED CLOCK
CR	CARD READER
ES	ELECTRICAL STRIKE
DC	DOOR CONTACT
KP	KEY SWITCH 150mm ABOVE DOOR OPERATOR PUSH BUTTON
	SECURITY MOTION SENSOR
S	SECURITY SIREN
	FORCE FLOW HEATER
	UNIT HEATER
	HOT WATER TANK
M	METER
	STROBE – EMERGENCY NOTIFICATION
VAR	VOICE ACTIVATED RELAY

ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
C	CEILING MOUNTED
GFI	GROUND FAULT INTERRUPTING, 5 mA
GND	GROUND
OC	OVER COUNTER
RB	RELAY BASE
WP	WEATHERPROOF
DN	DEDICATED NEUTRAL
WG	WIRE GUARD
DF	DRINKING FOUNTAIN
HH	SERVICE UTILITY HAND HOLE
ER	EXISTING TO BE RELOCATED
EN	EXISTING IN NEW LOCATION

DRAWING LIST

SYMBOL	DESCRIPTION
E001	ELECTRICAL LIGHTING FIXTURE SCHEDULE, DRAWING LEGEND AND LIST
E002	ELECTRICAL SITE PLAN
E003	ELECTRICAL RISER DIAGRAM
E004	SYSTEMS RISER DIAGRAM
E005	PANEL SCHEDULES
E006	ELECTRICAL DETAILS
E007	ELECTRICAL DETAILS
E101	GROUND FLOOR LIGHTING AND FIRE ALARM LAYOUT
E102	SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT
E201	GROUND FLOOR POWER AND SYSTEMS LAYOUT
E202	SECOND FLOOR POWER AND SYSTEMS LAYOUT
E203	ROOF POWER AND SYSTEMS LAYOUT

ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATIONS, ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND SPECIFICATIONS.

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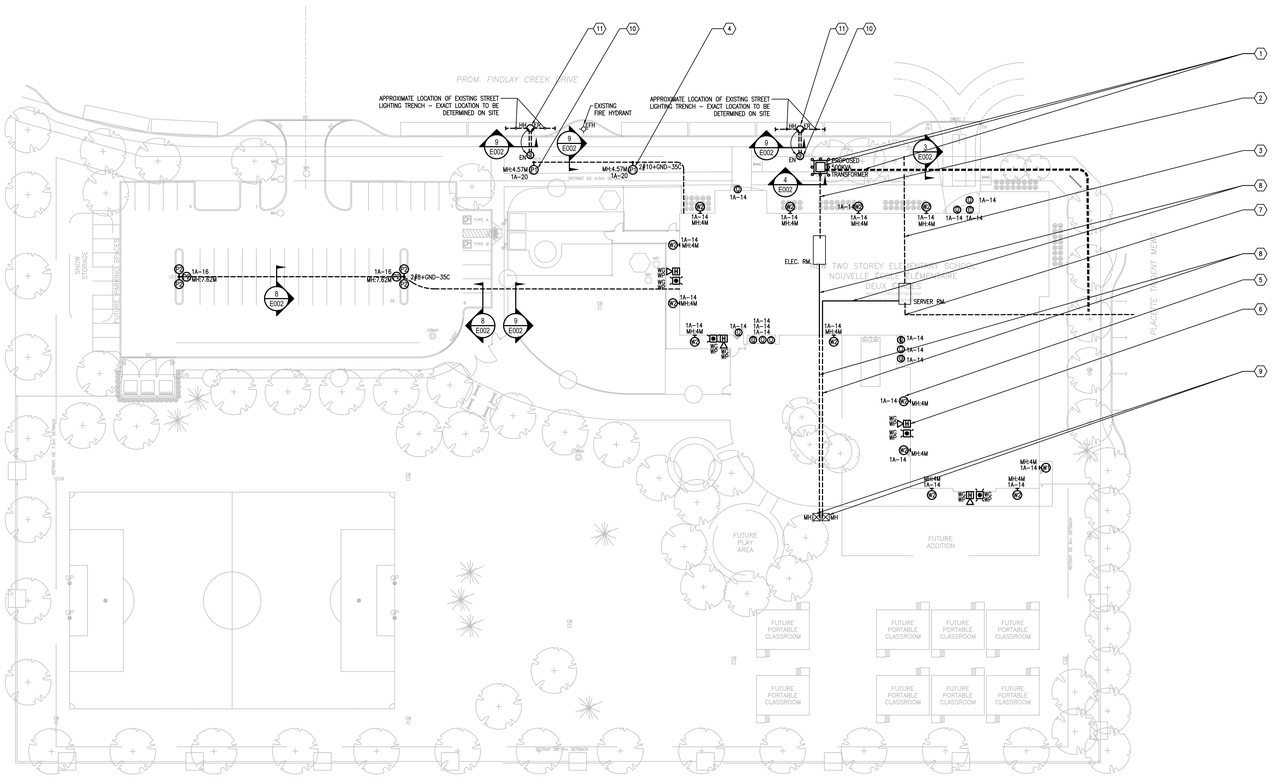
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ELECTRICAL
LIGHTING FIXTURE SCHEDULE, DRAWING LEGEND AND LIST

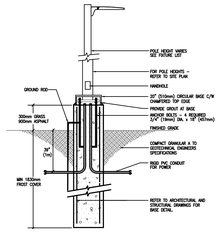
SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No. 3	REV. No 0
DRAWN BY / DESSINE PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	T.DONG	E001		
DATE	MAR 2026	ACAD FILE/FICHIER: 2\2023-183\ELEC		



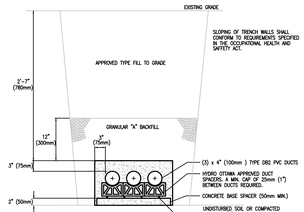
1 E002 ELECTRICAL SITE PLAN 1:400

DRAWING NOTES

1. PROVIDE 4 CELL PRIMARY CONCRETE ENCASED DUCT BANK AS PER HYDRO OTTAWA STANDARDS. COORDINATE EXACT RUN WITH HYDRO OTTAWA. SOLIVIA PAD MOUNT TRANSFORMER SUPPLIED BY HYDRO OTTAWA. PROVIDE BASE, PAD, BOLLARDS, GROUNDING, PRIMARY AND SECONDARY CABLES.
2. PROVIDE 3 CELL SECONDARY DUCT BANK C/W FEEDERS. LEAVE ADDITIONAL 10 METER FEEDER LOOP IN BASE.
3. PROVIDE 2–100mm DIRECT BURIED PVC DUCT FOR COMMUNICATION. COORDINATE EXACT LOCATION AND WORK WITH BELL.
4. TYPICAL
   EXTERIOR LIGHT STANDARDS. SEE DETAIL 2/E002 AND LIGHT FIXTURE SCHEDULE. PROVIDE RELAY AND CONTROL BY BAS.
5. TYPICAL
   BUILDING WALL MOUNTED EXTERIOR FULL CUT–OFF LIGHT FIXTURE. REFER TO DRAWING E101 AND ARCHITECTURAL ELEVATIONS DRAWING FOR EXACT LOCATION AND MOUNTING HEIGHT. PROVIDE RELAY AND CONTROL BY BAS.
6. TYPICAL
   OUTDOOR P.A. HORN C/W WIREGUARD. PROVIDE 21MM CONDUIT TO ACCESSIBLE CEILING SPACE. WIRING BY P.A. SYSTEM CONTRACTOR.
7. PROVIDE 1–100mm DIRECT BURIED PVC CONDUIT BETWEEN THE SERVER ROOM AND CLOSEST HYDRO OTTAWA POLE ALONG TENTH LINE RD. FOR ROGERS COMMUNICATION. COORDINATE EXACT LOCATION AND WORK WITH ROGERS.
8. PROVIDE 2–78MMC FOR POWER FROM ELECTRICAL ROOM THROUGH CEILING SPACE TO BUILDING EDGE AND PROVIDE PVC DUCTS FROM UNDERGROUND TO ONE MANHOLE. PROVIDE 2–78MMC FOR FIRE ALARM, DATA COMMUNICATIONS AND P.A./SECURITY FROM SERVER ROOM THROUGH CEILING SPACE TO BUILDING EDGE AND PROVIDE PVC DUCTS FROM UNDERGROUND TO ANOTHER ONE MANHOLE FOR FUTURE PORTABLE. REFER DETAIL 7/E002 FOR PVC DUCTS.
9. PROVIDE 1520MMX1520MM ELECTRICAL MANHOLES TO SERVICE FUTURE PORTABLES. MANHOLES SHALL BE EQUAL TO USI E60 BASE AND E61 PAD C/W COVER. ELECTRICAL CONTRACTOR TO COORDINATE ALL CONDUITS KNOCK OUTS.
10. TYPICAL OF TWO (2).
    EXISTING STREET LIGHT POLE AND CONCRETE BASE TO BE RELOCATED, AS NOTED ON PLAN. EXTEND CONDUIT AND WIRING AS REQUIRED. EXACT LOCATION OF STREET LIGHTING DISCONNECT TO BE DETERMINED ON SITE. DISCONNECT THE CIRCUIT PRIOR TO PERFORM THE WORK. COORDINATE WITH CIVIL CONTRACTOR AND CITY OF OTTAWA FOR STREET LIGHT RELOCATIONS. REFER TO CIVIL DRAWINGS FOR DETAILS. ALLOW COST FOR THE COORDINATION WORK.
11. TYPICAL OF TWO (2).
    PROVIDE HAND HOLE PULL BOX AND WEATHERPROOF CABLE SPLICE KIT FOR STREET LIGHT EXTENSION. COORDINATE WITH CIVIL CONTRACTOR AND CITY OF OTTAWA FOR STREET LIGHT RELOCATIONS. REFER TO CIVIL DRAWINGS FOR DETAILS. ALLOW COST FOR THE COORDINATION WORK.



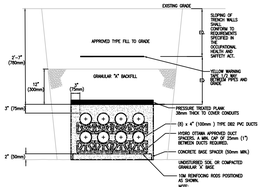
1 E002 BASE DETAIL FOR EXTERIOR LIGHT STANDARD N.T.S.



NOTES:

1. CSA C222 No. 211.1 APPLIES TO ALL PVC DUCTING.
2. ONLY MATERIAL APPROVED BY HYDRO OTTAWA TO BE USED.
3. DUCT JOINTS TO BE GLUED USING AN APPROVED "PVC" SOLVENT, WHEN APPLICABLE.
4. REINFORCING RODS FULL LENGTH OF CONCRETE ENCASED DUCTS, OVERLAP JOINTS AND TIE AT BOTH ENDS. DRILL AND DOWEL RODS TO CONCRETE STRUCTURE.
5. DUCT SPACERS TO BE PLACED AT A MAXIMUM OF 1500mm AND WITHIN 150mm OF COUPLING. PLASTIC DUCT SPACERS TO BE USED ONLY IF CONCRETE DUCT SPACERS ARE UNAVAILABLE.
6. FORMS REQUIRED FOR FULL LENGTH OF CONCRETE ENCASED DUCT STRUCTURE.
7. DUCTS AND TRENCHES MUST BE INSPECTED BY HYDRO OTTAWA BEFORE ANY CONCRETE IS POURED.
8. ALL UNDERGROUND UTILITIES MUST BE CONTACTED AND ALL NECESSARY PERMITS MUST BE OBTAINED BY OWNER OR CONTRACTOR.
9. CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, ROD/ED AND THAT A 6mm (1/4") POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.

2 E002 SECONDARY DUCT 3 CELL CONCRETE DUCTBANK N.T.S.



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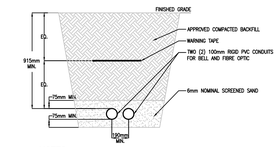
7. DUCTS AND TRENCHES MUST BE INSPECTED BY HYDRO OTTAWA BEFORE ANY CONCRETE IS POURED.
8. ALL UNDERGROUND UTILITIES MUST BE CONTACTED AND ALL NECESSARY PERMITS MUST BE OBTAINED BY OWNER OR CONTRACTOR.
9. CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, ROD/ED AND THAT A 6mm (1/4") POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.

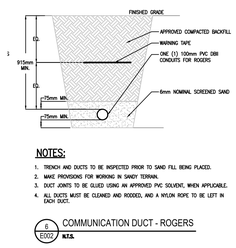
3 E002 PRIMARY HYDRO DUCT 8 CELL CONCRETE DUCTBANK N.T.S.



NOTES:

1. TRENCH AND DUCTS TO BE INSPECTED PRIOR TO SAND FILL BEING PLACED.
2. MAKE PROVISIONS FOR WORKING IN SANDY TERRAIN.
3. DUCT JOINTS TO BE GLUED USING AN APPROVED PVC SOLVENT, WHEN APPLICABLE.
4. ALL DUCTS MUST BE CLEANED AND RODDED, AND A NYLON ROPE TO BE LEFT IN EACH DUCT.

4 E002 COMMUNICATION DUCT - BELL N.T.S.



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2. MAKE PROVISIONS FOR WORKING IN SANDY TERRAIN.
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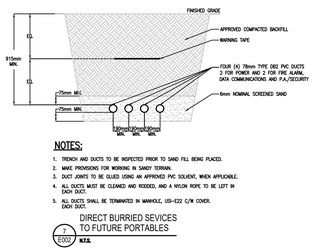
6 E002 COMMUNICATION DUCT - ROGERS N.T.S.



NOTES:

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2. MAKE PROVISIONS FOR WORKING IN SANDY TERRAIN.
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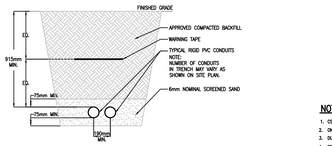
4. ALL DUCTS MUST BE CLEANED AND RODDED, AND A NYLON ROPE TO BE LEFT IN EACH DUCT.
5. ALL DUCTS SHALL BE TERMINATED IN MANHOLE, USI–E22 C/W COVER.

7 E002 DIRECT BURRIED SEVICES TO FUTURE PORTABLES N.T.S.



NOTES:

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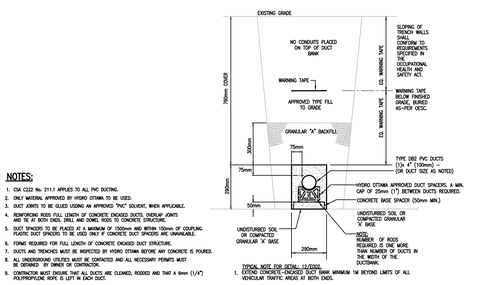
9 E002 DIRECT BURIED CONDUITS N.T.S.



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9. CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, ROD/ED AND THAT A 6mm (1/4") POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.

TYPICAL NOTE FOR DETAIL 12/D202:
1. EXTEND CONCRETE–ENCASED DUCT BANK MINIMUM 1M BEYOND LIMITS OF ALL VEHICULAR TRAFFIC AREAS AT BOTH ENDS.

8 E002 1 CELL CONCRETE DUCTBANK N.T.S.

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TRUE NORTH PLAN NORTH

Seal/Sceau
LICENSED PROFESSIONAL ENGINEER
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Apr 24 2026
PROVINCE OF ONTARIO

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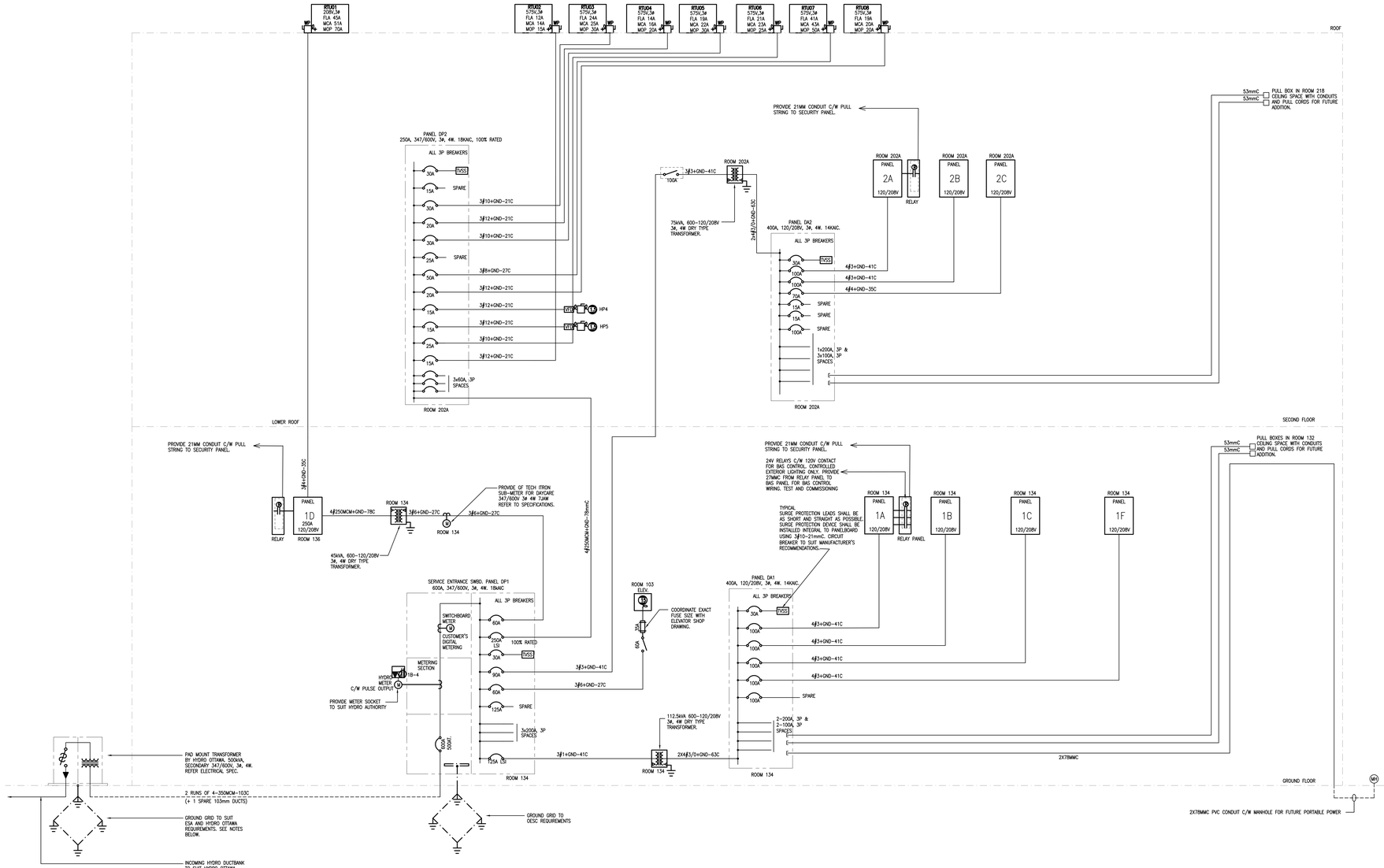
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ELECTRICAL SITE PLAN

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No. 3 / REV. No. 0
DRAWN BY DESSINÉ PAR	M.E./R.D./R.L.	DRAWING/DESSIN	E002
CHECKED BY VERIFIÉ PAR	T.DONG		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-183\ELEC	



GROUNDING NOTES:

1. ADDITIONAL GROUNDING RODS AND/OR PLATES SHALL BE ADDED TO OBTAIN A SATISFACTORY GROUND RESISTANCE OF <25 OHMS ISOLATED OR <5 OHMS CONNECTED TO SYSTEM NEUTRAL.
2. EXCAVATION TO BE BACKFILLED AND COMPACTED TO 600mm WITH THE BALANCE OF THE EXCAVATION TO REMAIN OPEN FOR GROUNDING INSTALLATION BY CONTRACTOR UNTIL INSPECTION IS COMPLETE.
3. ALL THIRD PARTY METAL EQUIPMENT WITHIN 2400mm OR LESS OF THE TRANSFORMER SHALL BE BONDED TO THE GROUND ROD WITH A CONDUCTOR SIZE APPROPRIATE FOR AVAILABLE FAULT CURRENT (MIN #2/0 CU) AND A SEPARATE CONNECTOR APPROVED BY HYDRO OTTAWA.

1 / E003 ELECTRICAL RISER DIAGRAM
N.T.S.

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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DRAWING TITLE/TITRE DU DESSIN
ELECTRICAL RISER DIAGRAM

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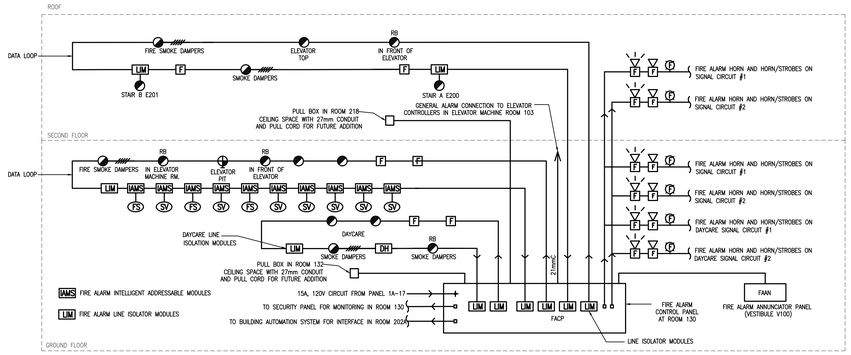
DRAWN BY / DESSINÉ PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	T.DONG	**E003**		
DATE	MAR 2026	ACAD FILE/FICHIER: 2-2023-1836ELEC		



1 / E004 TYPICAL FIRE ALARM RISER DIAGRAM

NTS

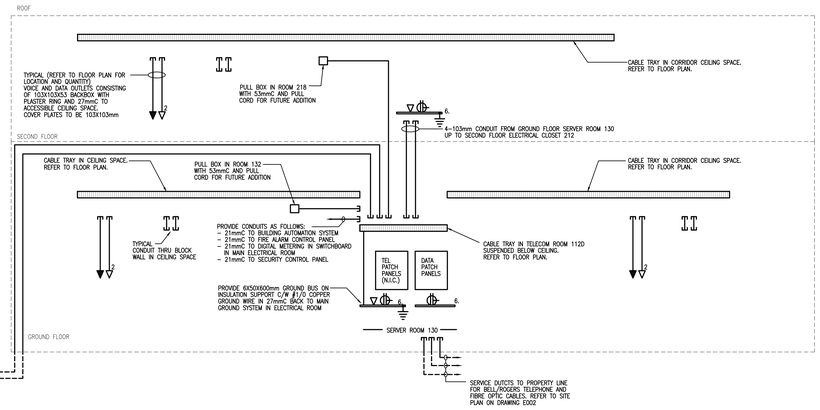
TYPICAL SPRINKLER AND FIRE ALARM AREAS:

NOTE: REFER TO SPECIFICATION FOR FIRE ALARM ZONES.

1. SCHOOL – GROUND FLOOR
2. SCHOOL – SECOND FLOOR
3. DAY CARE – GROUND FLOOR
4. STAIRS
5. SUPERVISORY VALVE
6. TROUBLE ZONES
7. ELEVATOR ETC.
8. SEPARATE ZONES FOR SMOKE DAMPERS AND RTU

GENERAL NOTES:

1. REFER TO SPECIFICATION 283100.01 FOR WIRING REQUIREMENTS. ALL WIRING TO BE IN EMT CONDUIT SIZED TO MANUFACTURER'S REQUIREMENTS.
2. REFER TO FLOOR PLAN FOR EXACT QUANTITY AND FOR LOCATION OF DEVICES AND EQUIPMENT.

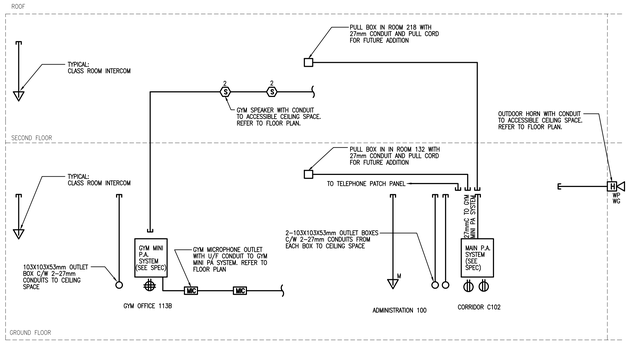


2 / E004 VOICE AND DATA RISER DIAGRAM

NTS

GENERAL NOTES:

1. TELEPHONE DEVICES AND CABLING IS IN THIS CONTRACT. SEE SPECIFICATIONS 271005, VOICE OVER IP TELEPHONE SWITCH BY OWNER.
2. DATA EQUIPMENT, DEVICES AND CABLING IS IN THIS CONTRACT. SEE SPEC 271005, PATCH CORDS BY OWNER.
3. PROVIDE JUNCTION BOXES, BACK BOXES AND CONDUIT SYSTEM AS INDICATED.
4. MINIMUM CONDUIT SIZE TO BE 27mm OR AS NOTED.
5. REFER TO FLOOR PLAN FOR EXACT QUANTITY AND FOR LOCATION OF DEVICES AND EQUIPMENT.
6. PROVIDE 3600X1220X21MM THICK FIRE RATED PLYWOOD BACKBOARD WITH DATA AND POWER OUTLETS IN ROOM 130. PROVIDE 1000X1220X21MM THICK FIRE RATED PLYWOOD BACKBOARD WITH DATA AND POWER OUTLETS IN ROOM 113B FOR GYM SUB-PA. PROVIDE 650X1220X21MM THICK FIRE RATED PLYWOOD BACKBOARD WITH DATA AND POWER OUTLETS IN CLOSET AT CORRIDOR C102 FOR MAIN PA. PROVIDE 1350X1220X21MM THICK FIRE RATED PLYWOOD BACKBOARD WITH DATA AND POWER OUTLETS IN CLOSET 212.



3 / E004 INTERCOM AND P.A. SYSTEM RISER DIAGRAM

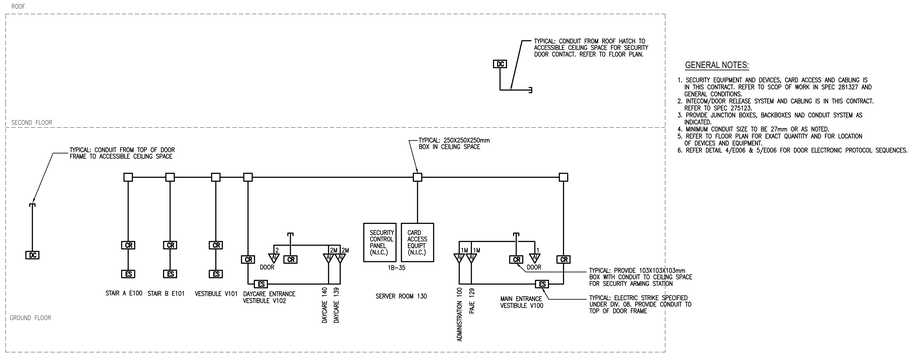
NTS

P.A. ZONES:

MAIN SCHOOL:
- GROUND FLOOR CORRIDOR
- SECOND FLOOR CORRIDOR
- EXTERIOR
- ADMINISTRATION
- GYMNASIUM
- EACH CLASSROOM
- LIBRARY
- EACH WORK ROOM
- DAYCARE (ACTIVATED ONLY UNDER LOCK DOWN PROCESS).

GENERAL NOTES:

1. INTERCOM/P.A. EQUIPMENT, DEVICES AND CABLING IS IN THIS CONTRACT. REFER TO SPEC 275123.
2. PROVIDE JUNCTION BOXES, BACKBOXES AND CONDUIT SYSTEM AS INDICATED.
3. MINIMUM CONDUIT SIZE TO BE 21mm OR AS NOTED.
4. REFER TO FLOOR PLAN AND MILLWORK DETAIL FOR EXACT QUANTITY AND FOR LOCATION OF DEVICES AND EQUIPMENT.



4 / E004 SECURITY, AI PHONE, DOOR INTERCOM AND UNLOCK SYSTEM

NTS

GENERAL NOTES:

1. SECURITY EQUIPMENT AND DEVICES, CARD ACCESS AND CABLING IS IN THIS CONTRACT. REFER TO SCOP OF WORK IN SPEC 281327 AND GENERAL CONDITIONS.
2. INTECOM/DOOR RELEASE SYSTEM AND CABLING IS IN THIS CONTRACT. REFER TO SPEC 275123.
3. PROVIDE JUNCTION BOXES, BACKBOXES NAD CONDUIT SYSTEM AS INDICATED.
4. MINIMUM CONDUIT SIZE TO BE 27mm OR AS NOTED.
5. REFER TO FLOOR PLAN FOR EXACT QUANTITY AND FOR LOCATION OF DEVICES AND EQUIPMENT.
6. REFER DETAIL 4/E006 & 5/E006 FOR DOOR ELECTRONIC PROTOCOL SEQUENCES.

Écoles catholiques Centre-Est

4	0	2026/04/24	ISSUED FOR TENDER
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DRAWING TITLE/TITRE DU DESSIN
SYSTEMS RISER DIAGRAM

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY DESSINE PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	T.DONG	**E004**		
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PANEL 1A

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
20	1	2	20	Ⓓ	GND. FL. NIGHT LTG. & EXIT LTG.
20	3	4	20		PAJE. 129,129A,B,C,131,131A,B,C LTG.
20	5	6	20		PAJE. 132,132A,B,C,133,133A,B,C LTG.
20	7	8	15		RM. 103,104,105,106,128,130,134&134A LTG.
15	9	10	15		GROUND FLOOR STAIR A&B LTG.
20	11	12	15		ELEVATOR PIT LTG.
20	13	14	20	Ⓓ	EXTERIOR WALL & CEILING LTG.
20	15	16	20		EXTERIOR POLE LTG.
15	17	18	15		MAGNETIC DOOR HOLDER DEVICES
15	19	20	20		EXTERIOR POLE LTG.
15	21	22	15		
15	23	24	20		SPARES
15	25	26	15		
15	27	28	15		
15	29	30	15		SPACES

GND. FL. CORR. C100, C103 LTG. & EBU-1
EBU-2
RM. 100,100A,B,C,D,E,F,101,C101&C102 LTG.
RM. 102,102A,107,107A&108 LTG.
LIGHTING RELAY PANEL
GYM LTG.
GYM LTG.
RM. 109,110,111,112,113A,B,C & EBU3
FIRE ALARM CONTROL PANEL **

Ⓓ DELTA RELAY PANEL FOR BAS CONTROL
** INDICATE LOCK-ON TYPE CIRCUIT BREAKER & PAINT BREAKER RED

PANEL 1B

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
15	1	2	15		RM. 134 CARMA SUB-METERING PANEL
15	3	4	15		
15	5	6	15		
15	7	8	15		RM. 134 RECEPT.
15	9	10	15		RM. 134 TRANSFER FAN
15	11	12	15		STAIR B FF1
15	13	14	15		STAIR B ELECTRIC STRIKE
15	15	16	15		
15	17	18	15		MECHANICAL CONTROLS
20	19	20	20		
20	21	22	20		
20	23	24	20		RM. 130 RECEPT.
20	25	26	15		RM. 134A UH1
20	27	28	20		HOUSEKEEPING RECEPT.
15	29	30	15		
15	31	32	15		RM. 106 HAND DRYERS
15	33	34	15		FIRE SMOKE DAMPERS
15	35	36	15		ROOM 130 TF2
15	37	38	20		RM. 130 RECEPT.
15	39	40	20		RM. 134A TRAP PRIMER
15	41	42	15		
15	43	44	15		
15	45	46	15		
15	47	48	15		
15	49	50	15		
15	51	52	20		
15	53	54	20		SPARES
15	55	56			
15	57	58			
15	59	60			
15	61	62			
15	63	64			
15	65	66			
15	67	68			
15	69	70			
15	71	72			SPACES

RM. 129 RECEPT.
RM. 131 RECEPT.
RM. 132 RECEPT.
RM. 133 RECEPT.
RM. 130 SECURITY PANEL *
RM. 130 RECEPT.
RM. 130 TELE. PANEL
HOUSEKEEPING RECEPT.
SPARES
SPACES

* INDICATE LOCK-ON TYPE CIRCUIT BREAKER

PANEL 1C

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
20	1	2	15		GYM PA
15	3	4	15		
15	5	6	15		RM. 113B RECEPT.
15	7	8	15		
15	9	10	15		FIRE SMOKE DAMPERS
20	11	12	20		GYM 141 RECEPT.
20	13	14	15		GYM 141 RECEPT.
15	15	16	15		GYM 141 FUTURE SCOREBOARD
20	17	18	15		
20	19	20	20		
15	21	22	20		GYM FOLDING STAGE
15	23	24	20		ELEVATOR PIT RECEPT.
15	25	26	15		RM. 103 RECEPT.
15	27	28	15		RM. 103 EF5 ON THE ROOF
15	29	30	15		MECHANICAL CONTROLS
GFI 15	31	32	15	GFI	SP2A & SP2B
15	33	34	15		FIRE SMOKE DAMPERS
20	35	36	15		RM. 105 RECEPT.
20	37	38	15		
15	39	40	15		RM. 108 RECEPT.
15	41	42	15		RM. 113A & 113C RECEPT.
15	43	44	15		CORRIDOR DISPLAY RECEPT.
15	45	46	15		RM. 111 & 112 ELECTRIC FLUSH VALVES
15	47	48	15		
15	49	50	15		
15	51	52	15		
15	53	54	15		
15	55	56	15		SPARES
15	57	58	20		
15	59	60	20		SP1A & SP1B
15	61	62	15		
15	63	64	15		
15	65	66	15		
15	67	68	15		
15	69	70	15		SPACES
15	71	72	15		

HOUSEKEEPING RECEPT.
EF2
GYM PF1 & PF2
GYM 141 RECEPT.
GYM 141 RECEPT.
GYM 141 RECEPT.
GYM 141 RECEPT.
GYM CURTAIN
GYM CEILING HUGE BASKET BALL NET
STAIR A FF1
STAIR A HC DOOR OPERATOR & ELECTRIC STRIKE
ELEVATOR CAB LIGHTING
WATER FOUNTAIN
SPARE
GYM PROJECTION SCREEN
HOUSEKEEPING RECEPT.
RM. 107 RECEPT.
RM. 107A RECEPT.
SPARES
SPACES
GYM 113 - LOCK-DOWN RECEPT. (INTERIOR)
GYM 113 - LOCK-DOWN (EXTERIOR)

PANEL 1D

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	250A
TRIM	RECESSED
INTERRUPTING CAPACITY	10KAIC

SN				SN	
20	1	2	20		RM. 136,137138,139,139A,B&C, 141,142 AND CORRIDOR C140 LTG.
20	3	4	20		
20	5	6	40		CUISINE 137 RANGE
40	7	8	15		RM. 135C FRIDGE
15	9	10	20		RM. 135 RECEPT.
15	11	12	15		CUISINE 137 FRIDGES
20	13	14	20		CUISINE 137 RECEPT.
15	15	16	20		RM. 135B & 140B RECEPT.
20	17	18	15		RM. 136 WASHER RECEPT.
20	19	20	15		
30	21	22			
15	23	24	20		RTU 01
15	25	26	15		RM. 141 RECEPT.
15	27	28	15		V102 VESTIBULE DOOR OPERATORS
15	29	30	15		DOOR HOLDER DEVICES
15	31	32	15		FIRE ALARM CO/SA
15	33	34	15		V101 VESTIBULE J.B.
20	35	36	15		
20	37	38	15		RM. 140 RECEPT.
15	39	40	20	Ⓓ	DAYCARE NIGHT LIGHTS & EXIT LIGHT
15	41	42	15		RM. 136 DRYER BOOSTER FAN
15	43	44	20		FPB1
20	45	46	20		FPB2
15	47	48	20		FPB2
15	49	50	15		EBU-4
15	51	52	15		
15	53	54	15		
15	55	56	15		
15	57	58	15		
15	59	60	15		
15	61	62	15		
15	63	64	20		
15	65	66	20		SPARES
15	67	68	20		
15	69	70			
15	71	72			SPACES

135,135A,B,C&D, RM. 140,140A,B&C,141,142 LTG.
CUISINE 137 DISHWASHER
RM. 135C FRIDGE
RM. 135 RECEPT.
RM. 135 & 135D RECEPT.
CUISINE 137 RECEPT.
CUISINE 137 RH1
CUISINE 137 RECEPT.
RM. 136 DRYER RECEPT.
RM. 136 RECEPT.
RM. 141 RECEPT.
RM. 142 RECEPT.
RM. 139 RECEPT.
RM. 139 RECEPT.
HOUSEKEEPING RECEPT.
MECHANICAL CONTROLS
FIRE SMOKE DAMPERS
V101 FF2
V102 FF2
RM. 135C RECEPT.
LIGHTING RELAY PANEL
SPARES
SPACES
GYM 113 - LOCK-DOWN (EXTERIOR)

Ⓓ TO SECURITY PANEL TO SWITCH THE NIGHT LIGHTS ON ONCE THE SECURITY PANEL IS ARMED.

PANEL 1F

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	RECESSED
INTERRUPTING CAPACITY	10KAIC

SN				SN	
15	1	2	15		RM. 102 RECEPT.
15	3	4	15		RM. 104 RECEPT.
15	5	6	15		
15	7	8	15		RM. 100B RECEPT.
GFI 15	9	10	15		RM. 100B&C RECEPT.
15	11	12	15		
20	13	14	20		
20	15	16	20		CORRIDOR C101 RECEPT.
20	17	18	20		CORRIDOR C102 PHOTOCOPIER RECEPT.
15	19	20	15		CORRIDOR C102 RECEPT.
15	21	22	15		EF1
15	23	24	20		
15	25	26	20		RM. 100E RECEPT.
15	27	28	15		V100 DOOR OPERATOR & ELECTRIC STRIKE
15	29	30	15		RM. 100F & 102A RECEPT.
15	31	32	15		RM. 102 DISHWASHER
15	33	34	20		
15	35	36	20		RM. 102 COUNTER TOP RECEPT.
15	37	38	15		RM. 102 RECEPT.
15	39	40	15		ADMIN. 100 DOOR OPERATOR
15	41	42	15		
15	43	44	15		
15	45	46	15		
15	47	48	15		
15	49	50	20		
15	51	52	20		SPARES
15	53	54	20		
15	55	56			
15	57	58			SPACES
15	59	60			

RM. 100A RECEPT.
RM. 100D RECEPT.
RM. 101 HC DOOR OPERATOR
RM. 101 CHANG TABLE RECEPT
RM. 101 EMERGENCY PUSH BUTTON
RM. 101 HAND DRYER
RM. 100/101 RECEPT.
HOUSEKEEPING RECEPT.
MECHANICAL CONTROLS
MAIN PA SYSTEMS
MECHANICAL CONTROLS
RM. 102 FRIDGES
RM. 102 MICROWAVES
120V J.B. FOR HEATING CONTROLS
RM. 100C & 101 ELECTRIC FLUSH VALVES
SPARES
SPACES
MAIN ENTRANCE COOR C100 - LOCK-DOWN

PANEL 2A

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
20	1	2	20	Ⓓ	2ND. FL. STAIR A&B & NIGHT LTG. & EXIT LTG.
20	3	4	20		RM. 200,201,202,202A,203&204 LTG.
20	5	6	20		RM. 205,206,207,212,213,214,217&218 LTG.
20	7	8	15		MAGNETIC DOOR HOLDER DEVICES
15	9	10	15		
15	11	12	15		
15	13	14	15		
15	15	16	20		SPARES
15	17	18			
15	19	20			
15	21	22			
15	23	24			
15	25	26			
15	27	28			
15	29	30			SPACES

RM. 208,209,210&210A LTG.
CLASS RM. 211,215&216 LTG.
CLASS RM. 220,221&222 LTG.
CLASS RM. 210,223&224 LTG.
SPARES
SPACES

PANEL 2B

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	100A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
15	1	2	15		
15	3	4	15		CLASS RM. 211 RECEPT.
15	5	6	15		
15	7	8	15		CLASS RM. 215 RECEPT.
15	9	10	15		
15	11	12	15		CLASS RM. 216 RECEPT.
15	13	14	15		
15	15	16	15		CLASS RM. 220 RECEPT.
15	17	18	15		
15	19	20	15		CLASS RM. 221 RECEPT.
15	21	22	15		
15	23	24	15		CLASS RM. 222 RECEPT.
15	25	26	15		
15	27	28	15		CLASS RM. 223 RECEPT.
15	29	30	15		
15	31	32	15		CLASS RM. 224 RECEPT.
15	33	34	15		
15	35	36	15		TOILETTE 205 HAND DRYER
20	37	38	20		
20	39	40	20		
20	41	42	20		RM. 214 RECEPT.
20	43	44	20		
15	45	46	15		TOILETTE 207 HAND DRYER
15	47	48	15		
15	49	50	15		WATER FOUNTAIN
15	51	52	15		RM. 209 RECEPT.
15	53	54	15		RM. 207 ELECTRIC FLUSH VALVES
15	55	56	15		RM. 210A RECEPT.
15	57	58	15		
15	59	60	15		C201 RECEPT.
15	61	62	15		H.C. DOOR 210
15	63	64	15		
15	65	66	15		
15	67	68	15		
15	69	70	20		
15	71	72	20		SPARES
15	73	74			
15	75	76			
15	77	78			
15	79	80			
15	81	82			
15	83	84			SPACES

RM. 200 RECEPT.
RM. 202 RECEPT.
CLASS RM. 203 RECEPT.
CLASS RM. 204 RECEPT.
RM. 208 RECEPT.
RM. 213 RECEPT.
RM. 217 RECEPT.
CLASS RM. 218 RECEPT.
CLASS RM. 219 RECEPT.
CLOSET 212 RECEPT.
HOUSEKEEPING RECEPT.
RM. 210 RECEPT.
RH/S CONTROL PANEL
RM. 205 ELECTRIC FLUSH VALVES
RM. 201 HC DOOR OPERATOR
SPARES
SPACES
LIBRARY 210 - LOCK-DOWN RECEPT.
STAIR E101 - LOCK-DOWN RECEPT.
STAIR E100, M&E RM 202A - LOCK-DOWN RECEPT.

PANEL 2C

VOLTAGE	120/208
PHASE	3Ø
WIRE	4W
RATING AMPS	70A
TRIM	SURFACE
INTERRUPTING CAPACITY	10KAIC

SN				SN	
20	1	2	15		RM. 202A UH1
20	3	4	15		RM. 202A DP1
20	5	6	15		RM. 202 EF3
20	7	8	15		RM. 202A DHW1
15	9	10	20		RM. 202A RECEPT.
20	11	12	15		
15	13	14	15		
15	15	16	15		
20	17	18	15		MECHANICAL CONTROLS
20	19	20	20		
20	21	22	20		
20	23	24	20		
20	25	26	20		ROOF RECEPT.
15	27	28	15		EF4
15	29	30	15		RM. 202A CO
15	31	32	15		MECHANICAL CONTROLS
15	33	34	15		
15	35	36	15		
15	37	38	15		
15	39	40	20		
15	41	42	20		SPARES
15	43	44			
15	45	46			
15	47	48			
15	49	50			
15	51	52			
15	53	54			
15	55	56			
15	57	58			
15	59	60			SPACES

B01 & HP1
B02 & HP2
B03 & HP3
LOW WATER CUT-OFF B1,B2,B3
TRAP PRIMER & BOILER CONTROLS
BAS CONTROL PANEL
FIRE SMOKE DAMPERS
ROOF RECEPT.
RM. 202A RECEPT.
RM. 202A TRAP PRIMER
SPARES
SPACES

4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION
ISSUE NO.	REV. NO.	DATE (YYYY/MM/DD)	ISSUE

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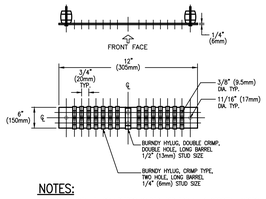
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
PANEL SCHEDULES

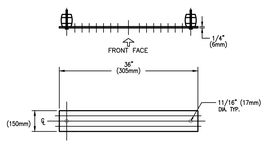
SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	T.DONG	E005		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2023-183\ELEC		



NOTES:

1. GROUND BAR c/w CONNECTORS AS REQUIRED FOR No. 6 COPPER JUMPERS AND c/w CONNECTOR(S) FOR No. 1/0 INSULATED COPPER.
2. GROUND BAR COPPER BUSBAR 12" (305mm) x 6" (150mm) x 1/4" (6mm) BOLTED TO SIDE OF TRAY, RACK OR WALL WITH PHENOLIC INSULATORS WITH A 2" (51mm) STANDOFF.
3. CONNECTORS TO BE 2-HOLE DOUBLE CRIMP TYPE.

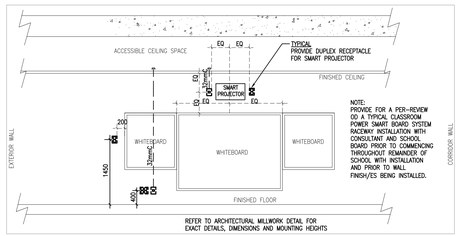
1 E006 — 12" (305mm) GROUND BAR DETAIL
N.T.S.



NOTES:

1. GROUND BAR c/w CONNECTORS AS REQUIRED FOR No. 6 COPPER JUMPERS AND c/w CONNECTOR(S) FOR No. #3 INSULATED COPPER.
2. GROUND BAR COPPER BUSBAR 12" (305mm) x 6" (150mm) x 1/4" (6mm) BOLTED TO SIDE OF WALL WITH PHENOLIC INSULATORS WITH A 2" (51mm) STANDOFF.
3. CONNECTORS TO BE 2-HOLE DOUBLE CRIMP TYPE.

2 E006 — MAIN GROUND BAR DETAIL
N.T.S.



3 E006 — TYPICAL CLASSROOM SMART BOARD DETAIL
N.T.S.

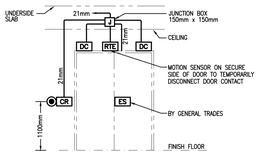
ELEVATION DETAIL NOTES

(A) TYPICAL – CLASSROOM SMART BOARD SYSTEM:
PROVIDE 100x100x54 DEEP BOX WITH ONLY 25mm KNOCKOUTS & INSTALL SINGLE DEVICE TYPE PLASTER RING COVER. PROVIDE 32mm EMPTY CONDUIT FROM BOX AND EXTEND INTO ACCESSIBLE CEILING SPACE WITH STRAIGHT RUN WITHOUT BENDS. PROVIDE MAX. 45 DEG. BEND AT CONDUIT STUB END WHEN BEND REQUIRED FOR ACCESS (90 DEG. BENDS NOT ACCEPTABLE). GREELY BOX FOR LARGER KNOCKOUT TO ACCEPT CONDUIT. INSTALL INSULATED EMT CONNECTOR AT BOX TO SUIT CONDUIT SIZE * INSTALL NYLON BUSHING AT END OF CONDUIT STUB IN CEILING SPACE. PROVIDE NYLON PULL STRING WITHIN CONDUIT RUN. HDMI & USB CABLING, CABLING INSTALL & TERMINATION PLATE BY SCHOOL BOARD.

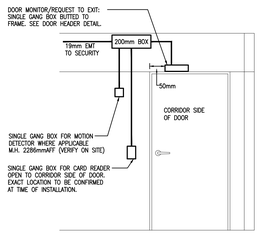
(B) PROVIDE DUPLEX RECEPTACLE FOR SMART PROJECTOR. REFER TO FLOOR PLANS FOR CIRCUITING.

(C) PROVIDE QUAD RECEPTACLE UNDER COMMON COVER PLATE. PROVIDE DEDICATED CIRCUIT FOR EACH (2 CIRCUITS TOTAL AND THESE CIRCUITS TO BE SHARED WITH MAX. OF 2 CLASSROOMS). REFER TO FLOOR PLANS FOR CIRCUITING.

(D) ALLOW FOR ANY ADDITIONAL STUDDING/FRAMING TO ALLOW PROPER SPACING OF BOXES TO DIMENSIONS INDICATED. COORDINATE WITH FRAMING CONTRACTOR.

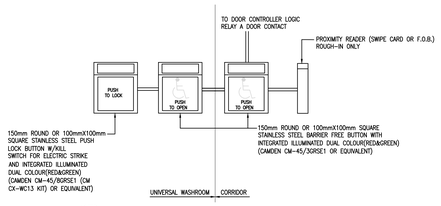


4 E006 — DOOR CONTROL AND SECURITY SYSTEMS TYPICAL FOR DOUBLE DOOR
N.T.S.



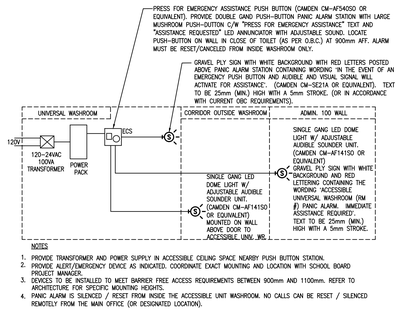
NOTES:
– CONFIRM EXACT LOCATIONS FOR ALL DEVICES ON SITE PRIOR TO INSTALLATION.
– TERMINATE ALL CONDUITS IN 200x200x100 JUNCTION BOX IN CEILING SPACE ON SECURE SIDE OF DOOR.
– CONDUITS AND BOXES BY DIVISION 16. HARDWARE AND SECURITY WIRING BY OTHERS. CONFIRM EXACT REQUIREMENTS WITH SECURITY CONTRACTOR ON SITE BEFORE PROCEEDING.

5 E006 — DOOR CONTROL AND SECURITY SYSTEMS TYPICAL FOR SINGLE DOOR
N.T.S.



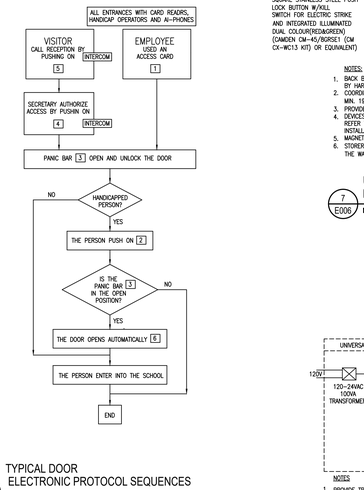
NOTES:
1. BACK BOXES AND CONDUIT BY ELECTRICAL CONTRACTOR. BARRIER FREE DEVICES/EQUIPMENT & LOW VOLTAGE WIRING BY HARDWARE CONTRACTOR. REFER TO ARCHITECTURAL HARDWARE SCHEDULE AND EQUIPMENT SHOP DRAWING.
2. COORDINATE SIZES OF BACK BOXES WITH HARDWARE CONTRACTOR TO SUIT DEVICES SEND PROVIDER CONDUIT TO BE MIN. 19mm. C/W PULL STRING THROUGHOUT.
3. PROVIDE POWER TO DOOR OPERATOR MOTOR/CONTROLLER. COORDINATED ON SITE WITH INSTALLER.
4. DEVICES TO BE INSTALLED TO MEET BARRIER FREE ACCESS REQUIREMENTS BETWEEN 900mm AND 1100mm AFF. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MOUNTING HEIGHT OF BARRIER FREE DEVICES FOR INSTALLATION OF BACK BOXES AND IN ACCORDANCE WITH OBC BARRIER FREE REQUIREMENTS.
5. MAGNETIC DOOR CONTACT RESETS LOCK SYSTEM WHEN DOOR OPENS.
6. STOREROOM FUNCTION LOCKSET (KEYED TO PREFERRED SCHOOL KEYING LEVEL) ALLOWS EMERGENCE ACCESS TO THE WASHROOM FROM EXTERIOR (CORRIDOR) VIS STAFF KEY.

7 E006 — UNIVERSAL WASHROOM DOOR LOCK / AUTOMATIC OPERATOR CONTROL DETAIL
N.T.S.



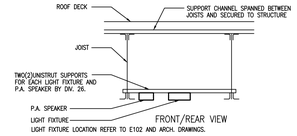
NOTES
1. PROVIDE TRANSFORMER AND POWER SUPPLY IN ACCESSIBLE CEILING SPACE NEARBY PUSH BUTTON STATION.
2. PROVIDE ALERT/EMERGENCY DEVICE AS INDICATED. COORDINATE EXACT MOUNTING AND LOCATION WITH SCHOOL BOARD PROJECT MANAGER.
3. DEVICES TO BE INSTALLED TO MEET BARRIER FREE ACCESS REQUIREMENTS BETWEEN 900mm AND 1100mm. REFER TO ARCHITECTURE FOR SPECIFIC MOUNTING HEIGHTS.
4. PANIC ALARM IS SILENCED / RESET FROM INSIDE THE ACCESSIBLE UNIT WASHROOM. NO CALLS CAN BE RESET / SILENCED REMOTELY FROM THE MAIN OFFICE (OR DESIGNATED LOCATION).

8 E006 — UNIVERSAL WASHROOM EMERGENCY NOTIFICATION WIRING DETAIL
N.T.S.

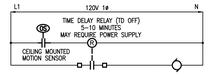


6 E006 — TYPICAL DOOR ELECTRONIC PROTOCOL SEQUENCES
NTS

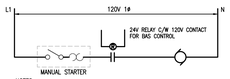
FOR ALL ENTRANCES WITH CARD READERS, HANDICAP OPRATORS AND AI-PHONES



9 E006 — OPEN CEILING P.A. SPEAKER AND LIGHTING MOUNTING DETAIL
N.T.S.

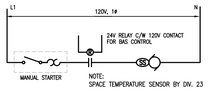


10 E006 — TYPICAL WASHROOM EXHAUST FAN WIRING DIAGRAM
NTS



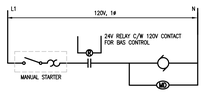
NOTE:
SPACE TEMPERTURE SENSOR BY DIV. 23

11 E006 — TYPICAL FORCE FLOW HEATER AND UN-1 WIRING DIAGRAM
NTS

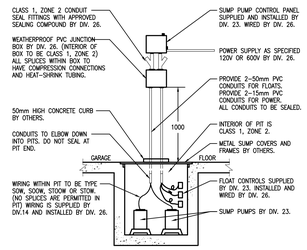


NOTE:
SPACE TEMPERATURE SENSOR BY DIV. 23

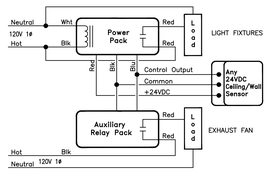
12 E006 — TYPICAL TRANSFER FAN WIRING DIAGRAM
NTS



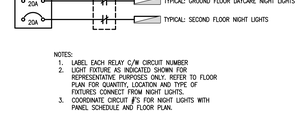
13 E006 — TYPICAL EXHAUST FAN WIRING DIAGRAM
N.T.S.



15 E006 — TYPICAL SUMP PIT CONDUIT DETAIL
N.T.S.



14 E006 — TYPICAL WASHROOM EXHAUST FAN WIRING DIAGRAM
NTS



NOTES:
1. LABEL EACH RELAY C/W CIRCUIT NUMBER
2. LIGHT FIXTURE AS INDICATED SHOWN FOR REPRESENTATIVE PURPOSES ONLY. REFER TO FLOOR PLAN FOR QUANTITY, LOCATION AND TYPE OF FIXTURES CONNECT FROM NIGHT LIGHTS.
3. COORDINATE CIRCUIT #'S FOR NIGHT LIGHTS WITH PANEL SCHEDULE AND FLOOR PLAN.

16 E006 — TYPICAL NIGHT LIGHTING CONTROL THROUGH SECURITY SYSTEM
N.T.S.

Écoles catholiques Centre-Est

ISSUE NO.	NO.	DATE (YY/MM/DD)	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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Apr. 24, 2026
PROVINCE OF ONTARIO

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

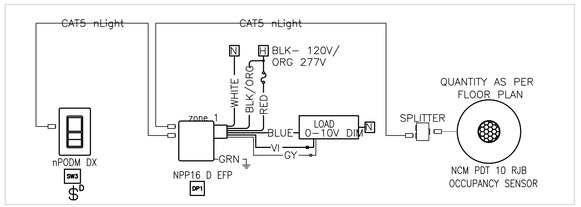
CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ELECTRICAL DETAILS

SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINE PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	T.DONG	**E006**		
DATE	MAR 2026			

ACAD FILE/FICHIER: Z:\2023-183ELEC

LEGEND	
DP1	DP1 nPP16 D EFP Power/Relay Pack, Dimming, External Fault Protection
SW1	SW1 – FOR TWO ZONES nPODMA 2P DX XX nLight Wired Aesthetic Wallpod, 2–Pole, Raise/Lower Dimming
SW2	SW2 – FOR THREE OR FOUR ZONES nPODMA 4P DX XX nLight Wired Aesthetic Wallpod, 4–Pole, Raise/Lower Dimming
SW3	SW3 nPODM DX Low Voltage Push–Button Wallpod, Raise/Lower Dimming Without Wires
SW4	SW4 nPODM Low Voltage Push–Button Wallpod ON/OFF



1 E007 TYPICAL OFFICE & OTHER ROOMS LIGHT CONTROL WIRING DIAGRAM

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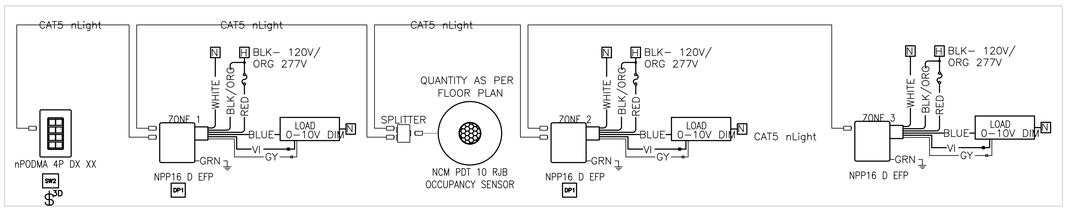

2 E007 TYPICAL KINDERGARTEN LIGHT CONTROL WIRING DIAGRAM

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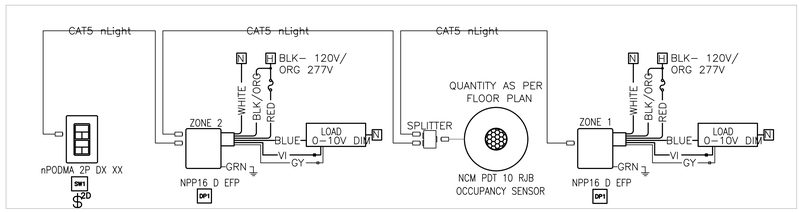

3 E007 TYPICAL CLASSROOM LIGHT CONTROL WIRING DIAGRAM

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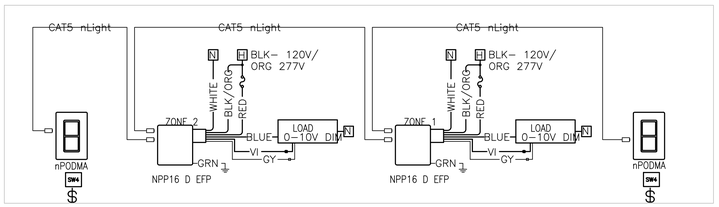

NPODMA

4 E007 TYPICAL CORRIDOR LIGHT CONTROL WIRING DIAGRAM

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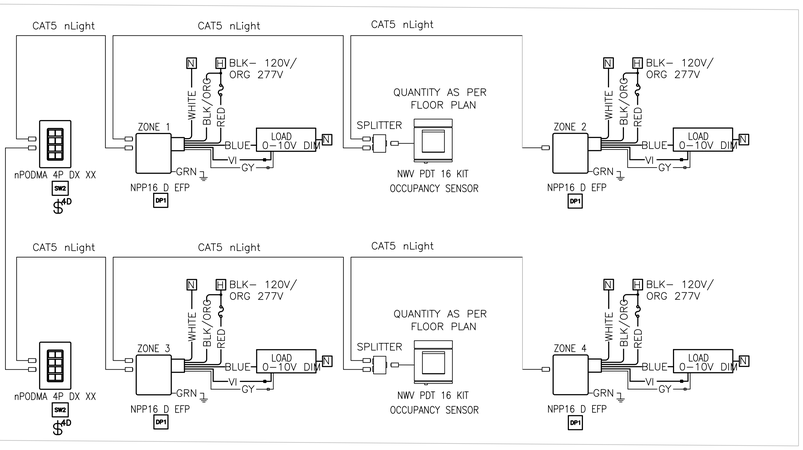

5 E007 GYM LIGHT CONTROL WIRING DIAGRAM

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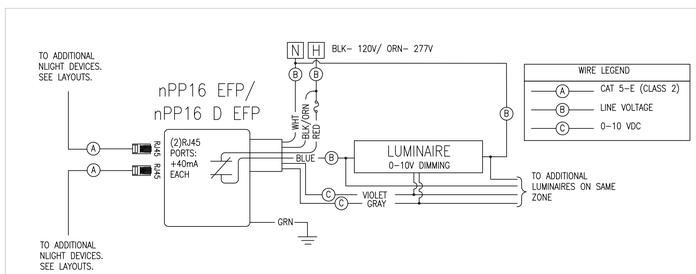

6 E007 POWER REAL PACK nPP16 D EFP TYPICAL WIRING DIAGRAM

N.T.S.

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE (YY/MM/DD)	ISSUE
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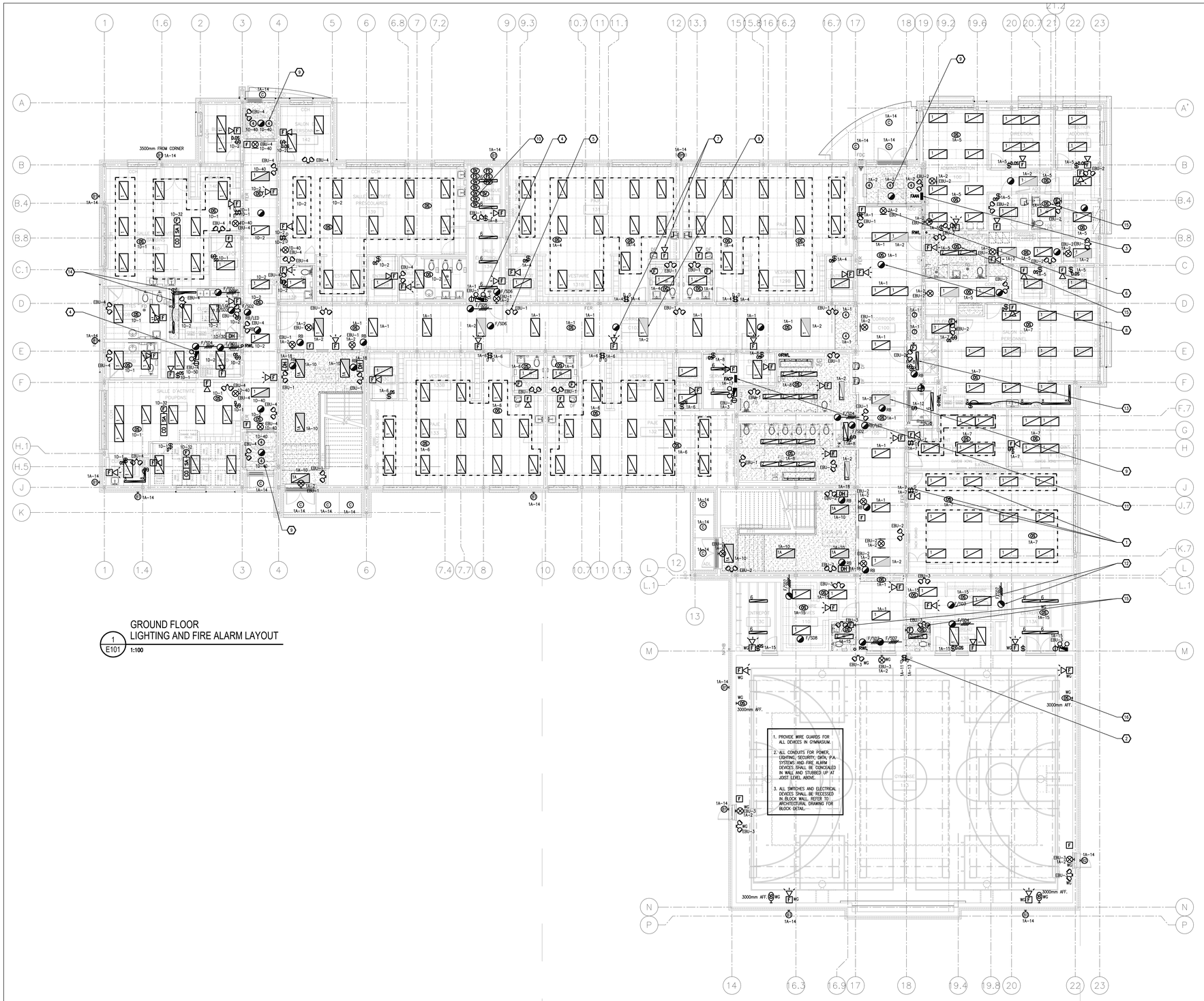
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
ELECTRICAL DETAILS

SCALE / ÉCHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	T.DONG	**E007**		
DATE	MAR 2026	ACAD FILE/FICHIER: Z-2023-183ELEC		



1 / E101 GROUND FLOOR LIGHTING AND FIRE ALARM LAYOUT

1:100

DRAWING NOTES

1. TYPICAL
PROVIDE LIGHT FIXTURE AS PER LIGHT FIXTURE SCHEDULE C/W LOW VOLTAGE DIMMING SWITCHES AND OCCUPANCY SENSORS IN TWO ZONES AS INDICATED. LINE VOLTAGE AND LOW VOLTAGE WIRING C/W COMMISSIONING. REFER TO DETAIL 2/E101.
2. PROVIDE LOW VOLTAGE LIGHTING SWITCH RECESSED IN BLOCK WALL FOR C/W LIGHT FIXTURES. CONNECT FIXTURE AS INDICATED.
3. PROVIDE RECESSED FLUSH MOUNTED FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL SPECIFICATIONS FOR DETAIL. PROVIDE 27MM EMT CONDUIT C/W WIRING TO FIRE ALARM CONTROL PANEL IN ROOM 130.
4. TYPICAL
PROVIDE EMERGENCY BATTERY UNIT 360W. C/W WIRING. CONNECT BATTERY UNIT ON THE SAME CIRCUIT AS LIGHTING ZONE AS CONNECTED AND BEFORE RELAY CONTROL.
5. TYPICAL
PROVIDE EMERGENCY DUAL REMOTE HEAD C/W WIRING AND CONNECT TO EBU AS INDICATED.
6. TYPICAL
PROVIDE EXIT LIGHT C/W WIRING. LOCATION AS INDICATED. WIRE TO NORMAL POWER AND EMERGENCY BATTERY UNIT.
7. TYPICAL
PROVIDE FIRE ALARM HORN OR COMBINATION OF HORN/STROBE C/W WIRING AND CONDUIT. REFER TO SPECIFICATIONS.
8. TYPICAL
PROVIDE SMOKE DETECTOR C/W WIRING. REFER TO SPECIFICATIONS.
9. TYPICAL
PROVIDE 20A BREAKER FOR NIGHT LIGHTS. ALL NIGHT LIGHT CIRCUIT SHALL BE CONNECTED TO BLACK OUT TIME SCHEDULE IN SCHOOL. PROVIDE RELAYS C/W WIRING AND CONNECTIONS. SECURITY INTERFACE BY SECURITY CONTRACTOR. REFER DETAIL 16/E006.
10. PROVIDE FIRE ALARM CONNECTIONS C/W WIRING TO ALL SPRINKLER SUPERVISORY DEVICES. REFER TO MECHANICAL DRAWINGS & 1/M004 FOR EXACT LOCATION AND QUANTITY.
11. PROVIDE FIRE ALARM CONTROL PANEL. REFER TO ELECTRICAL SPECIFICATIONS FOR DETAIL. PROVIDE 27MM EMT CONDUIT TO SECURITY PANEL, 27MM EMT CONDUIT TO BAS PANEL FOR FIRE ALARM MONITORING AND 27MM TO FIRE ALARM ANNUNCIATOR. CCT# 1A-17 (HARD WIRED).
12. TYPICAL FIRE/SMOKE DAMPER
PROVIDE DUCT SMOKE DETECTORS/SMOKE DETECTOR C/W RELAY BASE AND LED SIGN AND 120V WIRING INTERFACED WITH FIRE ALARM SYSTEM AND SMOKE DETECTOR TO MOTORIZED DAMPER IN SUCH A WAY THAT MOTORIZED SMOKE DAMPER WILL CLOSE ON SMOKE DETECTION IN DUCTS. REFER TO MECHANICAL DETAILS DRAWING 4/M004 TO 13/M004 FOR EXACT LOCATION AND COORDINATE WORK WITH MECHANICAL CONTRACTOR.
13. SURFACE MOUNTED LIGHT FIXTURE SHALL BE INSTALLED ON FIRE RATED HORIZONTAL SHAFT WALL CEILING ASSEMBLY.
14. TYPICAL
PROVIDE UNDER CABINET LIGHT FIXTURE C/W SWITCH AND ALL ACCESSORIES. FIXTURE AS INDICATED. COORDINATE LENGTH WITH MILLWORK. REFER TO ARCHITECTURAL MILLWORK DETAILS.
15. TYPICAL
PROVIDE CEILING MOUNTED MOTION SENSORS WATTSTOPPER DUAL TECHNOLOGY TYPE C/W POWER PACKS FOR EXHAUST FAN AND LIGHTING. ADJUST TIME DELAY TO 20 MIN. REFER TO DETAIL14/E006 WIRING DIAGRAM. CCT # AS INDICATED.
16. HIGH MOUNTED OCCUPANCY SENSORS SHALL BE HIGH-RANGE (PIR) TECHNOLOGY.

GENERAL NOTES

1. PAINT ALL ELECTRICAL CEILING SERVICES IN EXPOSED CEILING AREAS. COLOUR TO BE DETERMINED BY ARCHITECT.
2. ALL LIGHTING CONTROLLERS AND OCCUPANCY/VACANCY SENSORS SHALL BE COMMISSIONED BY MANUFACTURER'S REPRESENTATIVE. PROVIDE START-UP / COMMISSIONING REPORT AS PART OF CLOSEOUT DOCUMENTATION SUBMITTALS AT THE END OF CONSTRUCTION.
3. FINAL LAYOUT OF LIGHT FIXTURES IN MECHANICAL, ELECTRICAL AND TELECOMMUNICATION ROOMS TO BE COORDINATED WITH EQUIPMENT LAYOUT.
4. ALL FIRE ALARM PULL STATIONS IN GYMNASIUM AREA TO BE RECESSED C/W COVER. REFER TO ARCHITECTURAL DETAILS AND ELECTRICAL SPECIFICATIONS.
5. PROVIDE WIRE GUARDS FOR FIRE ALARM HORN/STROBES, EXIT LIGHTS AND EMERGENCY REMOTE HEADS IN GYMNASIUM.

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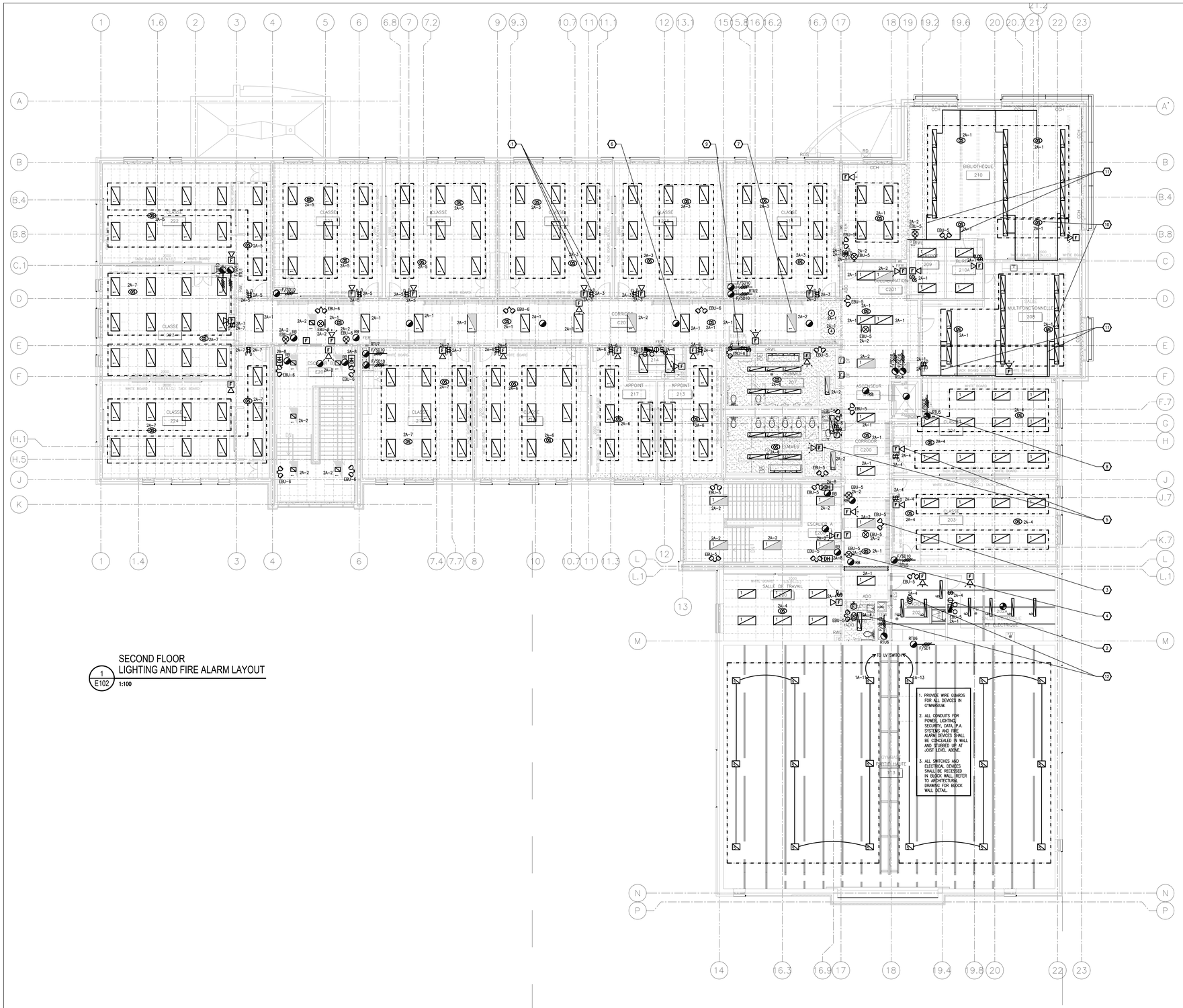
PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GROUND FLOOR
LIGHTING AND FIRE ALARM
LAYOUT

SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINÉ PAR	M.E./R.D./R.L.	DRAWING/DESSIN		
CHECKED BY / VERIFIÉ PAR	T.DONG	**E101**		
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-183\ELEC		



1 / E102 SECOND FLOOR LIGHTING AND FIRE ALARM LAYOUT

1:100

DRAWING NOTES

1. TYPICAL
PROVIDE LIGHT FIXTURE AS PER LIGHT FIXTURE SCHEDULE C/W LOW VOLTAGE DIMMING SWITCHES AND OCCUPANCY SENSORS IN TWO ZONES AS INDICATED. LINE VOLTAGE AND LOW VOLTAGE WIRING C/W COMMISSIONING. REFER TO DETAIL 2/E101.
2. TYPICAL
PROVIDE 360W EMERGENCY BATTERY UNIT WITH DUAL LED HEADS C/W WIRING. CONNECT BATTERY UNIT ON THE SAME CIRCUIT AS LIGHTING ZONE AS CONNECTED. WIRE EMERGENCY BATTERY UNIT PREVIOUS RELAY.
3. TYPICAL
PROVIDE LED EMERGENCY DUAL REMOTE HEAD C/W WIRING TO EBU.
4. TYPICAL
PROVIDE EXIT LIGHT C/W WIRING. LOCATION AS INDICATED.
5. TYPICAL
PROVIDE FIRE ALARM HORN OR COMBINATION OF HORN/STROBE C/W WIRING AND CONDUIT. REFER TO SPECIFICATIONS.
6. TYPICAL
PROVIDE SMOKE DETECTOR C/W WIRING. REFER TO SPECIFICATIONS.
7. TYPICAL
PROVIDE 20A BREAKER FOR NIGHT LIGHTS. ALL NIGHT LIGHT CIRCUIT SHALL BE CONNECTED TO BLACK OUT TIME SCHEDULE IN SCHOOL. PROVIDE RELAYS C/W WIRING AND CONNECTIONS. SECURITY INTERFACE BY SECURITY CONTRACTOR. REFER DETAIL 16/E006.
8. TYPICAL FIRE SMOKE DAMPER
PROVIDE DUCT SMOKE DETECTORS/SMOKE DETECTOR C/W RELAY BASE AND LED SIGN AND 120V WIRING INTERFACED WITH FIRE ALARM SYSTEM AND SMOKE DETECTOR TO MOTORIZED DAMPER IN SUCH A WAY THAT MOTORIZED SMOKE DAMPER WILL CLOSE ON SMOKE DETECTION IN DUCTS. REFER TO MECHANICAL DETAILS DRAWING A/MD06 TO 13/MD06 FOR EXACT LOCATION AND COORDINATE WORK WITH MECHANICAL CONTRACTOR.
9. LIGHT FIXTURE SHALL BE SURFACE WALL MOUNTED ABOVE TO DOOR.
10. TYPICAL
THE OCCUPANCY SENSOR SHALL BE PENDANT MOUNTED AND SAME HEIGHT AS LIGHT FIXTURES. FINAL MOUNTING HEIGHT AS PER MANUFACTURER RECOMMENDATION.
11. TYPICAL
RUN ALL CONDUITS IN FLUTES CAVITY FOR ALL LIGHT FIXTURES AND OCCUPANCY SENSORS IN ROOM 208 & 210. ALL CONDUITS SHALL GO UP AT GRID, FOLLOW THE ROOF SLOPE ALONG THAT GRID LINE, TURN IN TO FLUTES AND STRAIGHT TO FIXTURE. COORDINATE WITH ARCHITECT FOR LOCATION, CONDUIT ROUTE AND MEETING DESC. PAINT CONDUITS AND JUNCTION BOXES TO MATCH CEILING FINISH. PROVIDE SKETCH SHOWING ALL CONDUIT RUN PRIOR ROUGH-IN.
12. TYPICAL
PROVIDE CEILING MOUNTED MOTION SENSORS WATTSTOPPER DUAL TECHNOLOGY TYPE C/W POWER PACKS FOR EXHAUST FAN AND LIGHTING. ADJUST TIME DELAY TO 20 MIN. REFER TO DETAIL14/E006 WIRING DIAGRAM. CCT # AS INDICATED.

GENERAL NOTES

1. PAINT ALL ELECTRICAL CEILING SERVICES IN EXPOSED CEILING AREAS. COLOUR TO BE DETERMINED BY ARCHITECT.
2. ALL LIGHTING CONTROLLERS AND OCCUPANCY/VACANCY SENSORS SHALL BE COMMISSIONED BY MANUFACTURER'S REPRESENTATIVE. PROVIDE START-UP / COMMISSIONING REPORT AS PART OF CLOSEOUT DOCUMENTATION SUBMITTALS AT THE END OF CONSTRUCTION.
3. FINAL LAYOUT OF LIGHT FIXTURES IN MECHANICAL, ELECTRICAL AND TELECOMMUNICATION ROOMS TO BE COORDINATED WITH EQUIPMENT LAYOUT.
4. ALL FIRE ALARM PULL STATIONS IN GYMNASIUM AREA TO BE RECESSED C/W COVER. REFER TO ARCHITECTURAL DETAILS AND ELECTRICAL SPECIFICATIONS.
5. PROVIDE WIRE GUARDS FOR FIRE ALARM HORN/STROBES, EXIT LIGHTS AND EMERGENCY REMOTE HEADS IN GYMNASIUM.
6. PROVIDE GROUNDING BAR IN ALL SERVER ROOM AND PA, DATA/ELECTRICAL CLOSET.

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FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECOND FLOOR
LIGHTING AND FIRE ALARM
LAYOUT

SCALE / ECHELLE	AS NOTED	PROJ. No	ISSUE No	REV. No
DRAWN BY / DESSINE PAR	M.E./R.D./R.L.	2025-304	3	0
CHECKED BY / VERIFIE PAR	T.DONG	DRAWING/DESSIN		
DATE	MAR 2026	E102		

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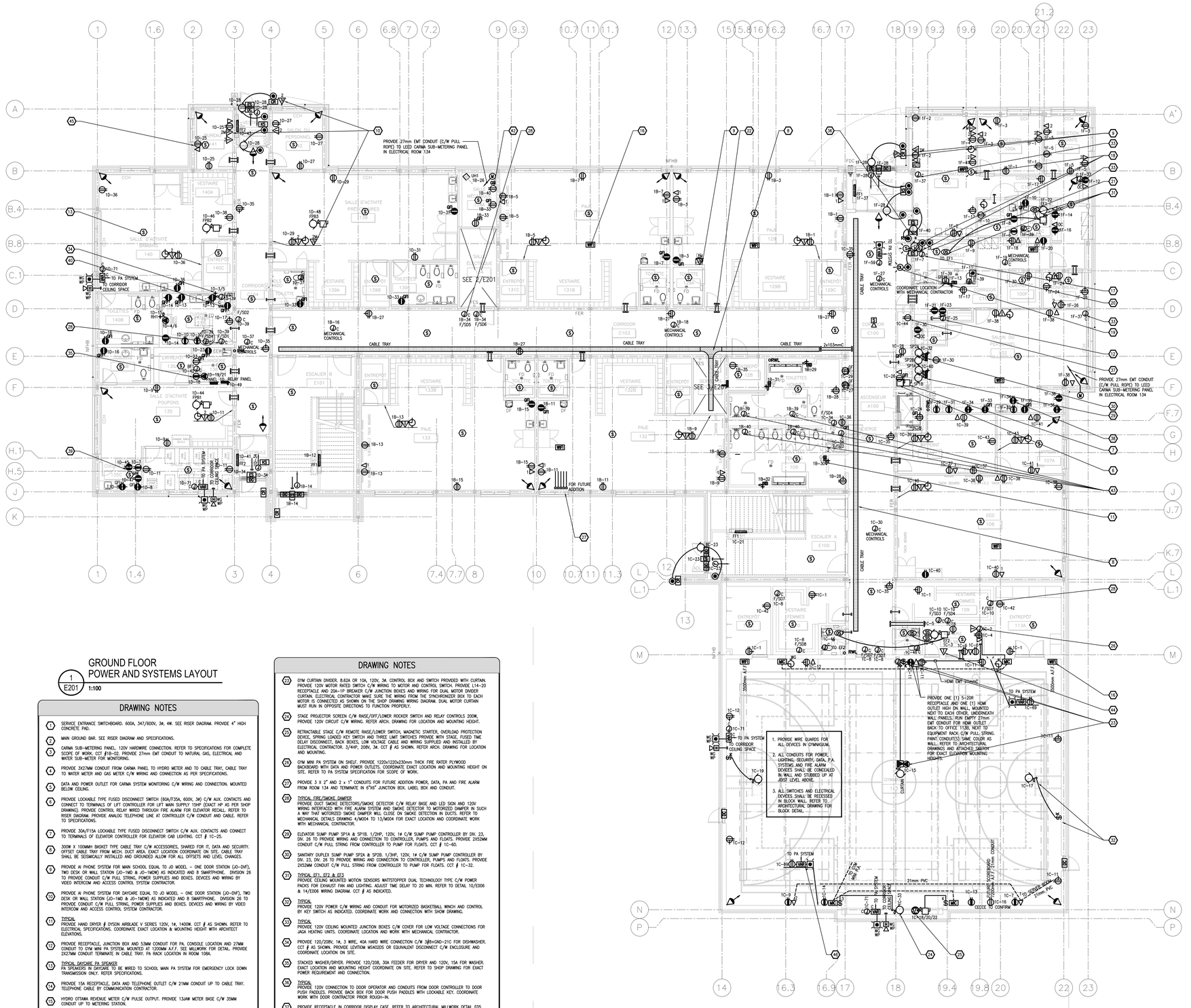
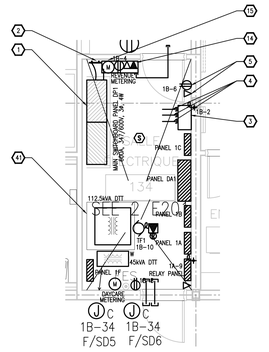
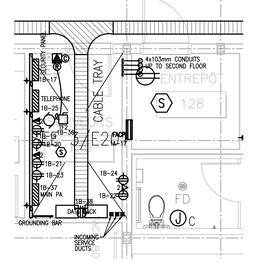




ELECTRICAL ROOM POWER AND SYSTEMS LAYOUT

2 / E201 — 1:50



SERVER ROOM POWER AND SYSTEMS LAYOUT

3 / E201 — 1:50

GENERAL NOTES

1. PAINT ALL ELECTRICAL CEILING SERVICES IN EXPOSED CEILING AREAS. COLOUR TO BE DETERMINED BY ARCHITECT.
2. ALL HORIZONTAL CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILING STRUCTURE, CONCEALED IN PLENUM SPACE. CORALINE SHALL NOT BE ACCEPTED. THE ONLY ACCEPTABLE UNDERGROUND CONDUITS TO INTERCONNECT DEVICES LOCATED WITHIN THE BUILDING FOOTPRINT SHALL BE MAIN POWER FEEDERS BETWEEN PANELS. ALL OTHER CONDUITS BETWEEN DEVICES SHALL BE SURFACE MOUNTED.
3. REFER TO STRUCTURE CABLING SPECIFICATION SECTION INCLUDED AS PART OF ELECTRICAL SPECIFICATIONS FOR WORK ASSOCIATED WITH VOICE/DATA CABLING INSTALLATION.
4. ALL RECEPTACLES SHALL BE CHILD PROTECTED, TEMPER-RESISTANCE TYPE, IN ACCORDANCE WITH OESC SECTION 26-706.
5. EXACT LOCATION OF EQUIPMENT AND DEVICES TO BE COORDINATE WITH MILLWORK DETAILS, ARCHITECTURAL & MECHANICAL ELEVATIONS, RISER AND DETAILS (WHERE INDICATED ON ARCHITECTURAL & MECHANICAL DRAWINGS).
6. REFER TO SPECIFICATIONS FOR MOUNTING HEIGHTS OF DEVICES AND IN ACCORDANCE WITH BARRIER FREE REQUIREMENTS.
7. PROVIDE GROUNDING BAR IN ALL SERVER ROOM AND PA. DATA CLOSET.

GROUND FLOOR POWER AND SYSTEMS LAYOUT

1 / E201 — 1:100

DRAWING NOTES

1. SERVICE ENTRANCE SWITCHBOARD. 600A, 347/600V, 3Ø, 4W. SEE RISER DIAGRAM. PROVIDE 4" HIGH CONCRETE PAD.
2. MAIN GROUND BAR. SEE RISER DIAGRAM AND SPECIFICATIONS.
3. CANMA SUB-METERING PANEL. 120V HARDWIRE CONNECTION. REFER TO SPECIFICATIONS FOR COMPLETE SCOPE OF WORK. CCT #1B-02. PROVIDE 27mm EMT CONDUIT TO NATURAL GAS, ELECTRICAL AND WATER SUB-METER FOR MONITORING.
4. PROVIDE 3X27MM CONDUIT FROM CANMA PANEL TO HYDRO METER AND TO CABLE TRAY, CABLE TRAY TO WATER METER AND GAS METER C/W WIRING AND CONNECTION AS PER SPECIFICATIONS.
5. DATA AND POWER OUTLET FOR CANMA SYSTEM MONITORING C/W WIRING AND CONNECTION. MOUNTED BELOW CEILING.
6. PROVIDE LOCKABLE TYPE FUSED DISCONNECT SWITCH (60A/F35A, 600V, 3Ø) C/W AUX. CONTACTS AND CONNECT TO TERMINALS OF LIFT CONTROLLER FOR LIFT MAIN SUPPLY 15HP (EXACT HP AS PER SHOP DRAWING). PROVIDE CONTROL RELAY WIRED THROUGH FIRE ALARM FOR ELEVATOR RECALL. REFER TO RISER DIAGRAM. PROVIDE ANALOG TELEPHONE LINE AT CONTROLLER C/W CONDUIT AND CABLE. REFER TO SPECIFICATIONS.
7. PROVIDE 30A/F15A LOCKABLE TYPE FUSED DISCONNECT SWITCH C/W AUX. CONTACTS AND CONNECT TO TERMINALS OF ELEVATOR CONTROLLER FOR ELEVATOR CAB LIGHTING. CCT # 1C-25.
8. 300W X 100MMH BASKET TYPE CABLE TRAY C/W ACCESSORIES, SHARED FOR IT, DATA AND SECURITY. OFFSET CABLE TRAY FROM MECH. DUCT AREA. EXACT LOCATION COORDINATE ON SITE. CABLE TRAY SHALL BE SEISMICALLY INSTALLED AND GROUNDED ALLOW FOR ALL OFFSETS AND LEVEL CHANGES.
9. PROVIDE AI PHONE SYSTEM FOR MAIN SCHOOL EQUAL TO JCI MODEL – ONE DOOR STATION (JO-DVF), TWO DESK OR WALL STATION (JO-1MD & JO-1MDW) AS INDICATED AND 8 SMARTPHONE. DIVISION 26 TO PROVIDE CONDUIT C/W PULL STRING, POWER SUPPLIES AND BOXES. DEVICES AND WIRING BY VIDEO INTERCOM AND ACCESS CONTROL SYSTEM CONTRACTOR.
10. PROVIDE AI PHONE SYSTEM FOR DAYCARE EQUAL TO JCI MODEL – ONE DOOR STATION (JO-DVF), TWO DESK OR WALL STATION (JO-1MD & JO-1MDW) AS INDICATED AND 8 SMARTPHONE. DIVISION 26 TO PROVIDE CONDUIT C/W PULL STRING, POWER SUPPLIES AND BOXES. DEVICES AND WIRING BY VIDEO INTERCOM AND ACCESS CONTROL SYSTEM CONTRACTOR.
11. TYPICAL
PROVIDE HAND DRYER # DYSON AIRBLADE V SERIES 120V, 1Ø, 1400W. CCT # AS SHOWN. REFER TO ELECTRICAL SPECIFICATIONS. COORDINATE EXACT LOCATION & MOUNTING HEIGHT WITH ARCHITECT ELEVATIONS.
12. PROVIDE RECEPTACLE, JUNCTION BOX AND 53MM CONDUIT FOR PA. CONSOLE LOCATION AND 27MM CONDUIT TO GYM MINI PA SYSTEM. MOUNTED AT 1200MM A.F.F. SEE MILLWORK FOR DETAIL. PROVIDE 2X27MM CONDUIT TERMINATE IN CABLE TRAY. PA RACK LOCATION IN ROOM 108A.
13. TYPICAL DAYCARE PA SPEAKER
PA SPEAKERS IN DAYCARE TO BE WIRED TO SCHOOL MAIN PA SYSTEM FOR EMERGENCY LOCK DOWN TRANSMISSION ONLY. REFER SPECIFICATIONS.
14. PROVIDE 15A RECEPTACLE, DATA AND TELEPHONE OUTLET C/W 21MM CONDUIT UP TO CABLE TRAY. TELEPHONE CABLE BY COMMUNICATION CONTRACTOR.
15. HYDRO OTTAWA REVENUE METER C/W PULSE OUTPUT. PROVIDE 13JAM METER BASE C/W 35MM CONDUIT UP TO METERING STATION.
16. TYPICAL
PROVIDE JUNCTION BOX FLUSH IN THE WALL FOR WI-FI OUTLET C/W DOME COVER. COMMUNICATION CONTRACTOR TO PROVIDE CAT 6 DATA DROP AND DEVICE. WIFI IN GYM SHALL BE MOUNTED AT 3500MM AFF. C/W PLASTIC DOME.
17. PROVIDE 120V JUNCTION BOX FOR DOOR OPERATOR. DEVICE SUPPLIED BY DOOR HARDWARE CONTRACTOR. CCT # AS SHOWN. PROVIDE 21MM CONDUIT FROM PUSH BUTTON TO DOOR OPERATOR AND ROUGH-IN. COORDINATE FINAL LOCATIONS ON SITE WITH HARDWARE CONTRACTOR. PROVIDE FIRE ALARM RELAY AND INTERFACE IN SUCH A WAY THAT DOOR OPERATOR IS DEACTIVATED IN CASE OF FIRE ALARM.
18. PROVIDE HORN/STROBE AT INSIDE AND OUTSIDE OF DOOR AND ADMIN OFFICE 100. PROVIDE LABEL AT BOTH LOCATION. PROVIDE 2"X4" BOX C/W WIRING AND CONNECT TO EMERGENCY PUSH BUTTON AND TEST. HORN/STROBE SHALL BE RESET FROM PUSHBUTTON ONLY. REFER TO DETAIL 8/E006.
19. OCCUPIED SIGN BUILT-IN WITH DOOR OPERATOR BUTTON. PROVIDE SINGLE GANG BOX AND CONNECT TO DOOR LOCK SWITCH C/W WIRING. COORDINATE WORK WITH DOOR CONTRACTOR.
20. PROVIDE EMERGENCY PUSH BUTTON EQUAL TO CAMDEN CM-400/12. PROVIDE SINGLE GANG BOX AND 21MM EMT CONDUITS C/W WIRING AND CONNECTION TO HORN/STROBES. REFER TO DETAIL 8/E006.
21. PROVIDE DOOR LOCK SWITCH C/W SINGLE GANG BOX AND CONNECT TO OCCUPIED SIGN AND DOOR OPERATOR.
22. TYPICAL
PROVIDE 2-27MM RIGID PVC SLEEVES TO ACCESSIBLE CEILING SPACE IN CORRIDOR FOR SECURITY AND COMMUNICATIONS WIRING.

DRAWING NOTES

23. GYM CURTAIN DIVIDER. 8.62A OR 10A, 120V, 3Ø. CONTROL BOX AND SWITCH PROVIDED WITH CURTAIN. PROVIDE 120V MOTOR RATED SWITCH C/W WIRING TO MOTOR AND CONTROL SWITCH. PROVIDE L14-20 RECEPTACLE AND 20A-1P BREAKER C/W J-JUNCTION BOXES AND WIRING FOR DUAL MOTOR DIVIDER CURTAIN. ELECTRICAL CONTRACTOR TO MAKE SURE THE WIRING FROM THE SYNCHRONIZER BOX TO EACH MOTOR IS CONNECTED AS SHOWN ON THE SHOP DRAWING WIRING DIAGRAM. DUAL MOTOR CURTAIN MUST RUN IN OPPOSITE DIRECTIONS TO FUNCTION PROPERLY.
24. STAGE PROJECTOR SCREEN C/W RAISE/OFF/LOWER ROCKER SWITCH AND RELAY CONTROLS 200W. PROVIDE 120V CIRCUIT C/W WIRING. REFER ARCH. DRAWING FOR LOCATION AND MOUNTING HEIGHT.
25. RETRACTABLE STAGE C/W REMOTE RAISE/LOWER SWITCH. MAGNETIC STARTER, OVERLOAD PROTECTION DEVICE, SPRING LOADED KEY SWITCH AND THREE LIMIT SWITCHES PROVIDE WITH STAGE, FIXED TIME DELAY DISCONNECT, BACK BOXES, LOW VOLTAGE CABLE AND WIRING SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. 3/4HP, 208V, 3Ø. CCT # AS SHOWN. REFER ARCH. DRAWING FOR LOCATION AND MOUNTING.
26. GYM MINI PA SYSTEM ON SHELF. PROVIDE 1220x1220x230mm THICK FIRE RATER PLYWOOD BACKBOARD WITH DATA AND POWER OUTLETS. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT ON SITE. REFER TO PA SYSTEM SPECIFICATION FOR SCOPE OF WORK.
27. PROVIDE 3 X 2" AND 2 x 1" CONDUITS FOR FUTURE ADDITION POWER, DATA, PA AND FIRE ALARM FROM ROOM 134 AND TERMINATE IN 6"X6" JUNCTION BOX. LABEL BOX AND CONDUIT.
28. TYPICAL FIRE/SMOKE DAMPER
PROVIDE DUCT SMOKE DETECTORS/SMOKE DETECTOR C/W RELAY BASE AND LED SIGN AND 120V WIRING INTERFACED WITH FIRE ALARM SYSTEM AND SMOKE DETECTOR TO MOTORIZED DAMPER IN SUCH A WAY THAT MOTORIZED SMOKE DAMPER WILL CLOSE ON SMOKE DETECTION IN DUCTS. REFER TO MECHANICAL DETAILS DRAWING 4/M004 TO 13/M004 FOR EXACT LOCATION AND COORDINATE WORK WITH MECHANICAL CONTRACTOR.
29. ELEVATOR SUMP PUMP SP1A & SP1B. 1/2HP, 120V, 1Ø C/W SUMP PUMP CONTROLLER BY DV. 23, DV. 26 TO PROVIDE WIRING AND CONNECTION TO CONTROLLER, PUMPS AND FLOATS. PROVIDE 2X52MM CONDUIT C/W PULL STRING FROM CONTROLLER TO PUMP FOR FLOATS. CCT # 1C-60.
30. SANITARY DUPLEX SUMP PUMP SP2A & SP2B. 1/3HP, 120V, 1Ø C/W SUMP PUMP CONTROLLER BY DV. 23, DV. 26 TO PROVIDE WIRING AND CONNECTION TO CONTROLLER, PUMPS AND FLOATS. PROVIDE 2X52MM CONDUIT C/W PULL STRING FROM CONTROLLER TO PUMP FOR FLOATS. CCT # 1C-32.
31. TYPICAL EF1, EF2 & EF3
PROVIDE CEILING MOUNTED MOTION SENSORS WATTSTOPPER DUAL TECHNOLOGY TYPE C/W POWER PACKS FOR EXHAUST FAN AND LIGHTING. ADJUST TIME DELAY TO 20 MIN. REFER TO DETAIL 10/E006 & 14/E006 WIRING DIAGRAM. CCT # AS INDICATED.
32. TYPICAL
PROVIDE 120V POWER C/W WIRING AND CONDUIT FOR MOTORIZED BASKETBALL WINCH AND CONTROL BY KEY SWITCH AS INDICATED. COORDINATE WORK AND CONNECTION WITH SHOW DRAWING.
33. TYPICAL
PROVIDE 120V CEILING MOUNTED JUNCTION BOXES C/W COVER FOR LOW VOLTAGE CONNECTIONS FOR JAGA HEATING UNITS. COORDINATE LOCATION AND WORK WITH MECHANICAL CONTRACTOR.
34. PROVIDE 120/208V, 1Ø, 3 WIRE, 40A HARD WIRE CONNECTION C/W 3Ø#+GND-21C FOR DISHWASHER. CCT # AS SHOWN. PROVIDE LEVITON MS4020S OR EQUIVALENT DISCONNECT C/W ENCLOSURE AND COORDINATE LOCATION ON SITE.
35. STACKED WASHER/DRYER. PROVIDE 120/208, 30A FEEDER FOR DRYER AND 120V, 15A FOR WASHER. EXACT LOCATION AND MOUNTING HEIGHT COORDINATE ON SITE. REFER TO SHOP DRAWING FOR EXACT POWER REQUIREMENT AND CONNECTION.
36. TYPICAL
PROVIDE 120V CONNECTION TO DOOR OPERATOR AND CONDUITS FROM DOOR CONTROLLER TO DOOR PUSH PADDLES. PROVIDE BACK BOX FOR DOOR PUSH PADDLES WITH LOCKABLE KEY. COORDINATE WORK WITH DOOR CONTRACTOR PRIOR ROUGH-IN.
37. PROVIDE RECEPTACLE IN CORRIDOR DISPLAY CASE. REFER TO ARCHITECTURAL MILLWORK DETAIL E05 FOR EXACT LOCATION AND MOUNTING HEIGHT.
38. REFER TO ARCHITECTURAL MILLWORK DETAIL E07 & E08 FOR ALL RECEPTACLES EXACT LOCATION AND MOUNTING HEIGHT.
39. REFER TO ARCHITECTURAL MILLWORK DETAIL E28 & E29 FOR ALL RECEPTACLES EXACT LOCATION AND MOUNTING HEIGHT.
40. REFER TO ARCHITECTURAL MILLWORK DETAIL E32, E33 & E34 FOR ALL RECEPTACLES EXACT LOCATION AND MOUNTING HEIGHT.
41. 112.5KVA TRANSFORMER. PROVIDE 4" HIGH CONCRETE PAD. REFER TO RISER FOR WIRING.
42. PROVIDE 120V POWER FOR MECHANICAL TRAP PRIMER. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR ON SITE.
43. TYPICAL
PROVIDE 120V POWER IN CEILING SPACE FOR GROUP WASHROOMS ELECTRONIC FLUSH VALVES. LOW VOLTAGE TRANSFORMER SUPPLIED AND WIRING BY OTHERS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
44. PROVIDE 21mm CONDUIT FROM GYM MINI-PA SYSTEM TO PA PHONE IN THE CEILING SPACE.
45. INSTALL RECEPTACLE AND DATA OUTLET MINIMUM 200MM ABOVE THE RADIANT HEATER CABINET.
46. TYPICAL:
PROVIDE VAR RELAY AND STROBE WITH BLUE LENS C/W 120V & WIRING. STROBE SHALL ACTIVATE ON EMERGENCY LOCKDOWN AND/OR MASS NOTIFICATION ONLY. PA CABLING FROM VAR TO PA SYSTEM BY PA CONTRACTOR.

ISSUE NO.	REV. NO.	DATE YYYY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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PROJECT TITLE/TITRE DU PROJET
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FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
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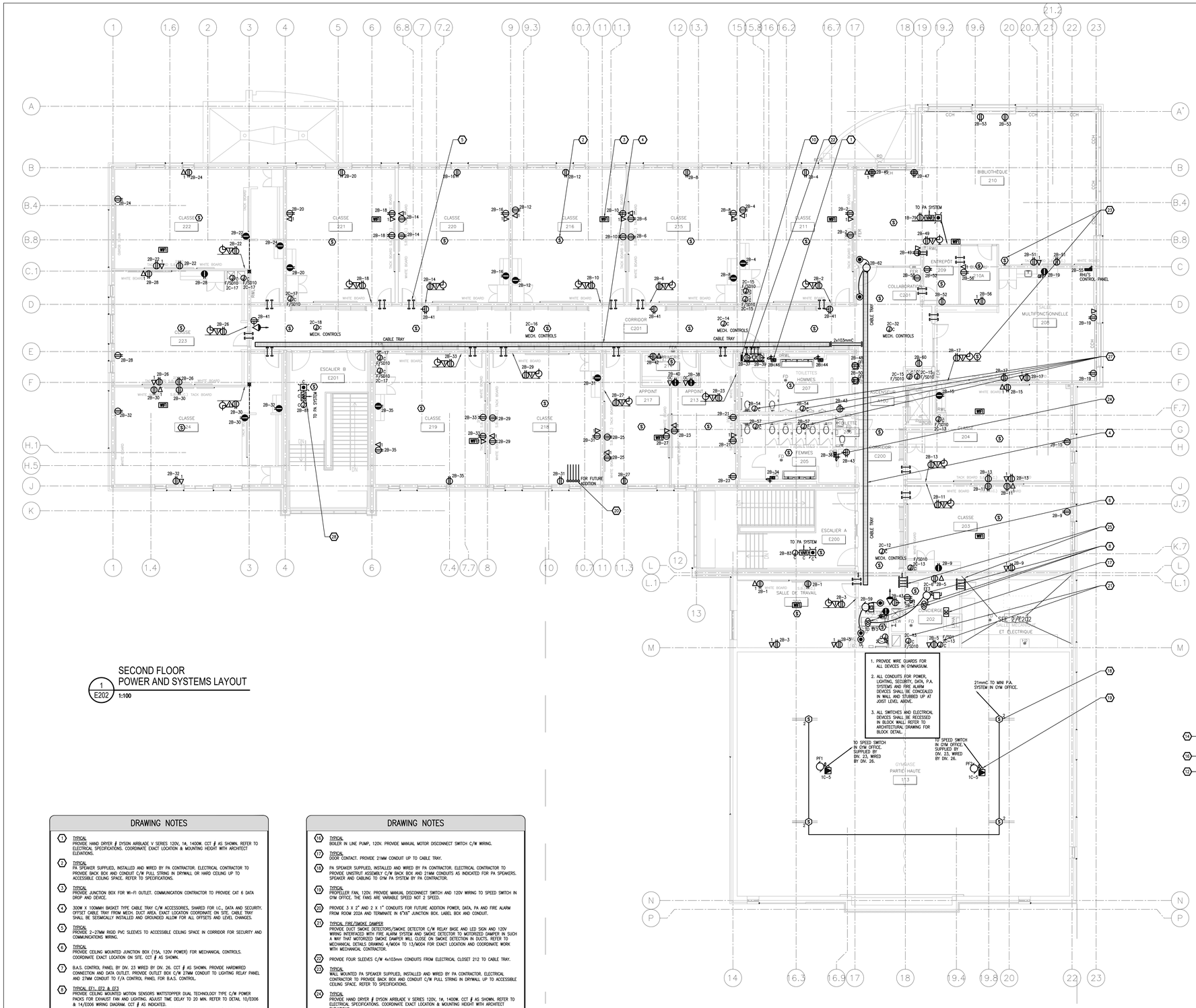
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
GROUND FLOOR POWER AND SYSTEMS LAYOUT

SCALE / ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
DRAWN BY / DESSINE PAR	M.E./R.D./R.L.	DRAWING/DESSIN	E201	
CHECKED BY / VERIFIE PAR	T.DONG			
DATE	MAR 2026	ACAD FILE/FICHIER: Z:\2025-183\ELEC		



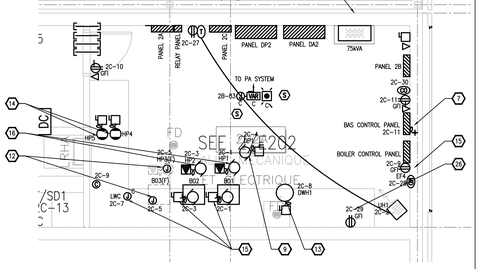
1 SECOND FLOOR POWER AND SYSTEMS LAYOUT
E202 1:100

DRAWING NOTES

1. TYPICAL
PROVIDE HAND DRYER ℄ DYSON AIRBLADE V SERIES 120V, 1ø, 1400W. CCT ℄ AS SHOWN. REFER TO ELECTRICAL SPECIFICATIONS. COORDINATE EXACT LOCATION & MOUNTING HEIGHT WITH ARCHITECT ELEVATIONS.
2. TYPICAL
PA SPEAKER SUPPLIED, INSTALLED AND WIRED BY PA CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX AND CONDUIT C/W PULL STRING IN DRYWALL OR HARD CEILING UP TO ACCESSIBLE CEILING SPACE. REFER TO SPECIFICATIONS.
3. TYPICAL
PROVIDE JUNCTION BOX FOR WI-FI OUTLET. COMMUNICATION CONTRACTOR TO PROVIDE CAT 6 DATA DROP AND DEVICE.
4. 300W X 100MMH BASKET TYPE CABLE TRAY C/W ACCESSORIES, SHARED FOR I.C., DATA AND SECURITY. OFFSET CABLE TRAY FROM MECH. DUCT AREA. EXACT LOCATION COORDINATE ON SITE. CABLE TRAY SHALL BE SEISMICALLY INSTALLED AND GROUNDED ALLOW FOR ALL OFFSETS AND LEVEL CHANGES.
5. TYPICAL
PROVIDE 2-27MM RIGID PVC SLEEVES TO ACCESSIBLE CEILING SPACE IN CORRIDOR FOR SECURITY AND COMMUNICATIONS WIRING.
6. TYPICAL
PROVIDE CEILING MOUNTED JUNCTION BOX (15A, 120V POWER) FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATION ON SITE. CCT ℄ AS SHOWN.
7. B.A.S. CONTROL PANEL BY DIV. 23 WIRED BY DIV. 26. CCT ℄ AS SHOWN. PROVIDE HARDWIRED CONNECTION AND DATA OUTLET. PROVIDE OUTLET BOX C/W 27MM CONDUIT TO LIGHTING RELAY PANEL AND 27MM CONDUIT TO F/A CONTROL PANEL FOR B.A.S. CONTROL.
8. TYPICAL EF1, EF2 & EF3
PROVIDE CEILING MOUNTED MOTION SENSORS WATTSTOPPER DUAL TECHNOLOGY TYPE C/W POWER PACKS FOR EXHAUST FAN AND LIGHTING. ADJUST TIME DELAY TO 20 MIN. REFER TO DETAIL 10/E006 & 14/E006 WIRING DIAGRAM. CCT ℄ AS INDICATED.
DOMESTIC HOT WATER (DHW) RECIRC PUMP, 120V/ PROVIDE MANUAL STARTER C/W RELAY FOR B.A.S. CONTROL.
9. DOMESTIC HOT WATER (DHW) RECIRC PUMP, 120V/ PROVIDE MANUAL STARTER C/W RELAY FOR B.A.S. CONTROL.
10. PROVIDE 4 X 103MM SLEEVES C/W EMT CONDUIT FROM FLOOR BELOW. TERMINATE CONDUITS IN CORRIDOR CEILING CABLE TRAY FOR DATA, P.A. AND SECURITY CABLING.
11. 75KVA TRANSFORMER. PROVIDE 4" HIGH CONCRETE PAD. REFER TO RISER FOR WIRING.
12. PROVIDE JUNCTION BOXES C/W WIRING AND COVER PLATE FOR FUTURE BOILER AND HEATING PUMP. COORDINATED EXACT LOCATION ON SITE.
13. DOMESTIC HOT WATER TANK. PROVIDE 120V DISCONNECT SWITCH C/W WIRING.
14. TYPICAL
BOILER PUMPS HP4 AND HP5, 575V, 3 PHASE, 1.5 HP C/W INTEGRAL VFD. HEATING PUMPS AT CEILING LEVEL. PROVIDE DISCONNECT SWITCH C/W WIRING AND CONNECTION TO VFD. REFER TO RISER DIAGRAM. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
15. TYPICAL
PROVIDE 120V DISCONNECT SWITCH 15A FUSE PROTECTED TO BOILER. PROVIDE 120V WIRING TO LOW WATER CUT-OFF AND FAN. PROVIDE 120V POWER SUPPLY FROM THE WALL RECEPTACLE TO BOILER CONTROL PANEL C/W CONDUIT AND WIRING. COORDINATED ELECTRICAL DEVICES LOCATION AND MOUNTING HEIGHT ON SITE WITH MECHANICAL CONTRACTOR.

DRAWING NOTES

16. TYPICAL
BOILER IN LINE PUMP, 120V. PROVIDE MANUAL MOTOR DISCONNECT SWITCH C/W WIRING.
17. TYPICAL
DOOR CONTACT. PROVIDE 21MM CONDUIT UP TO CABLE TRAY.
18. PA SPEAKER SUPPLIED, INSTALLED AND WIRED BY PA CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT ASSEMBLY C/W BACK BOX AND 21MM CONDUITS AS INDICATED FOR PA SPEAKERS. SPEAKER AND CABLING TO GYM PA SYSTEM BY PA CONTRACTOR.
19. TYPICAL
PROPELLER FAN, 120V. PROVIDE MANUAL DISCONNECT SWITCH AND 120V WIRING TO SPEED SWITCH IN GYM OFFICE. THE FANS ARE VARIABLE SPEED NOT 2 SPEED.
20. PROVIDE 3 X 2" AND 2 X 1" CONDUITS FOR FUTURE ADDITION POWER, DATA, PA AND FIRE ALARM FROM ROOM 202A AND TERMINATE IN 6"x6" JUNCTION BOX. LABEL BOX AND CONDUIT.
21. TYPICAL FIRE/SMOKE DAMPER
PROVIDE DUCT SMOKE DETECTORS/SMOKE DETECTOR C/W RELAY BASE AND LED SIGN AND 120V WIRING INTERFACED WITH FIRE ALARM SYSTEM AND SMOKE DETECTOR TO MOTORIZED DAMPER IN SUCH A WAY THAT MOTORIZED SMOKE DAMPER WILL CLOSE ON SMOKE DETECTION IN DUCTS. REFER TO MECHANICAL DETAILS DRAWING 4/M004 TO 13/M004 FOR EXACT LOCATION AND COORDINATE WORK WITH MECHANICAL CONTRACTOR.
22. PROVIDE FOUR SLEEVES C/W 4x103mm CONDUITS FROM ELECTRICAL CLOSET 212 TO CABLE TRAY.
23. TYPICAL
WALL MOUNTED PA SPEAKER SUPPLIED, INSTALLED AND WIRED BY PA CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX AND CONDUIT C/W PULL STRING IN DRYWALL UP TO ACCESSIBLE CEILING SPACE. REFER TO SPECIFICATIONS.
24. TYPICAL
PROVIDE HAND DRYER ℄ DYSON AIRBLADE V SERIES 120V, 1ø, 1400W. CCT ℄ AS SHOWN. REFER TO ELECTRICAL SPECIFICATIONS. COORDINATE EXACT LOCATION & MOUNTING HEIGHT WITH ARCHITECT ELEVATIONS.
25. PROVIDE 4x53mm RIGID PVC SLEEVES TO ACCESSIBLE CEILING SPACE.
26. PROVIDE 120V POWER FOR MECHANICAL TRAP PRIMER. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR ON SITE.
27. TYPICAL
PROVIDE 120V POWER IN CEILING SPACE FOR GROUP WASHROOMS ELECTRONIC FLUSH VALVES. LOW VOLTAGE TRANSFORMER SUPPLIED AND WIRING BY OTHERS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
28. TYPICAL:
PROVIDE VAR RELAY AND STROBE WITH BLUE LENS C/W 120V ø WIRING. STROBE SHALL ACTIVATE ON EMERGENCY LOCKDOWN AND/OR MASS NOTIFICATION ONLY. PA CABLING FROM VAR TO PA SYSTEM BY PA CONTRACTOR.



2 E & M ROOM 202A POWER AND SYSTEMS LAYOUT
E202 1:50

GENERAL NOTES

1. PAINT ALL ELECTRICAL CEILING SERVICES IN EXPOSED CEILING AREAS. COLOUR TO BE DETERMINED BY ARCHITECT.
2. ALL HORIZONTAL CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILING STRUCTURE, CONCEALED IN PLENUM SPACE. CORALINE SHALL NOT BE ACCEPTED. THE ONLY ACCEPTABLE UNDERGROUND CONDUITS TO INTERCONNECT DEVICES LOCATED WITHIN THE BUILDING FOOTPRINT SHALL BE MAIN POWER FEEDERS BETWEEN PANELS. ALL OTHER CONDUITS BETWEEN DEVICES SHALL BE SURFACE MOUNTED.
3. REFER TO STRUCTURE CABLING SPECIFICATION SECTION INCLUDED AS PART OF ELECTRICAL SPECIFICATIONS FOR WORK ASSOCIATED WITH VOICE/DATA CABLING INSTALLATION.
4. ALL RECEPTACLES SHALL BE CHILD PROTECTED, TEMPER-RESISTANCE TYPE, IN ACCORDANCE WITH OESC SECTION 26-706.
5. EXACT LOCATION OF EQUIPMENT AND DEVICES TO BE COORDINATE WITH MILLWORK DETAILS, ARCHITECTURAL & MECHANICAL ELEVATIONS, RISER AND DETAILS (WHERE INDICATED ON ARCHITECTURAL & MECHANICAL DRAWINGS).
6. REFER TO SPECIFICATIONS FOR MOUNTING HEIGHTS OF DEVICES AND IN ACCORDANCE WITH BARRIER FREE REQUIREMENTS.

Écoles catholiques Centre-Est

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
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1	0	2026/01/30	ISSUED FOR COORDINATION

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PROJECT TITLE/TITRE DU PROJET
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE LEITRIM
FINDLAY CREEK DRIVE
OTTAWA, ONTARIO

CECCE
4000 LABELLE STREET
OTTAWA, ONTARIO, K1J 1A1

DRAWING TITLE/TITRE DU DESSIN
SECOND FLOOR POWER AND SYSTEMS LAYOUT

SCALE ECHELLE	AS NOTED	PROJ. No 2025-304	ISSUE No 3	REV. No 0
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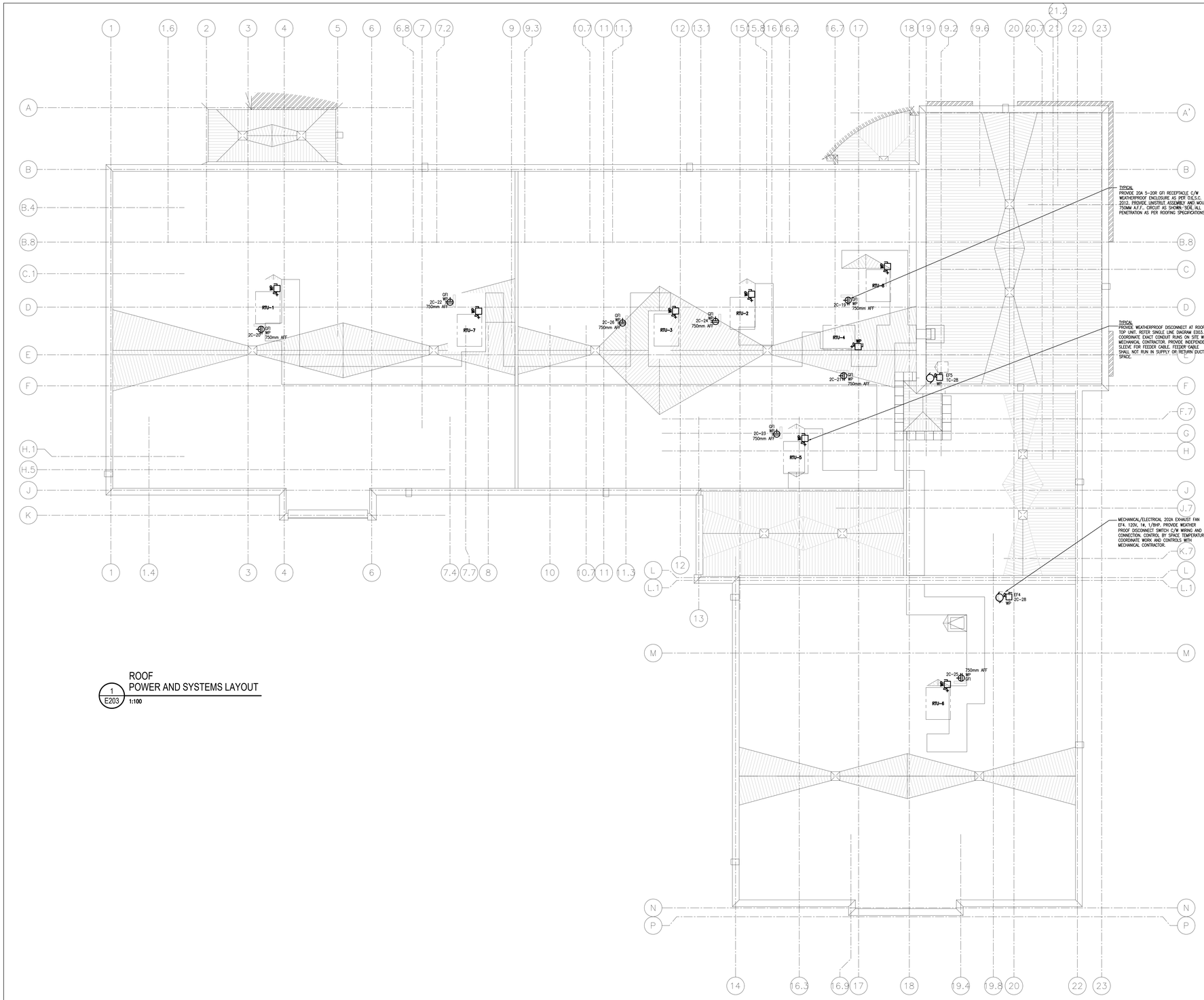

1 / E203 ROOF
POWER AND SYSTEMS LAYOUT
1:100

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
4	0	2026/04/24	ISSUED FOR TENDER
3	0	2026/03/25	ISSUED FOR BUILDING PERMIT
2	0	2026/03/06	ISSUED FOR CLASS B COST ESTIMATION
1	0	2026/01/30	ISSUED FOR COORDINATION

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OTTAWA, ONTARIO

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DRAWING TITLE/TITRE DU DESSIN
ROOF
POWER AND SYSTEMS LAYOUT

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