© Copyright 2025 Stantec Geomatics Ltd. The reproduction, alteration or use of this REPORT in whole or in part without the express permission of Stantec Geomatics Ltd. is STRICTLY PROHIBITED.

TOPOGRAPHIC PLAN OF SURVEY OF

PART OF PARK LOT 13
REGISTERED PLAN 3913
TOWN OF CARLETON PLACE
COUNTY OF LANARK

Scale 1:500

10 0 10 20 30 METRES

Stantec Geomatics Ltd.

METRIC CONVERSION

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

BEARING NOTE

BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (CSRS).

ROTATION NOTE:

BEARINGS WERE ROTATED 0° 17' 40" COUNTER-CLOCKWISE ON P1 FOR BEARING COMPARISONS..

ELEVATION NOTE

ELEVATIONS SHOWN HEREON ARE GEODETIC (CGVD-1928:1978) AND ARE DERIVED FROM THE CAN-NET VRS NETWORK.

UTILITIES NOTE

LOCATION OF UNDERGROUND SERVICES PROVIDED BY USL-1 UNDERGROUND SERVICE LOCATORS INC. AS REPORTED MAY 27, 2025.

SITE AREA

2.2653 Ha / 5.598 acres (5.625 acres per P1)

LEGEND

■	DENOTES	FOUND MONUMENTS
□	"	SET MONUMENTS
IB	"	IRON BAR
PB	"	PLASTIC BAR
SIB	"	STANDARD IRON BAR
SSIB	"	SHORT STANDARD IRON BAR
CC	"	CUT CROSS
CP	"	CONCRETE PIN
WIT	"	WITNESS
PIN	"	PROPERTY IDENTIFICATION NUMBER
MEAS, M	"	MEASURED
S	"	SET
OU	"	ORIGIN UNKNOWN
SG	"	STANTEC GEOMATICS LTD.
P1	"	PLAN 27R-2117
P2	"	PLAN 27R-11939
◄ *AN*	"	ANCHOR
BKR	"	BIKE RACK
● *BOL*	"	BOLLARD
CB	"	CATCH BASIN
CLF	"	CHAIN LINK FENCE
○ *FP*	"	FLAG POLE
□ *GSR*	"	GAS SERVICE REGULATOR
✧ *HYD*	"	FIRE HYDRANT
IL	"	INTERLOCK STONE
○ *LS*	"	LIGHT STANDARD
MHBELL	"	MAINTENANCE HOLE BELL
MHSAN	"	MAINTENANCE HOLE SANITARY
MHSTM	"	MAINTENANCE HOLE STORM
PWF	"	POST & WIRE FENCE
⊸ *SN*	"	SIGN
○ *UP*	"	UTILITY POLE
⊖ *WV*	"	WATER VALVE
	"	TREE DRIP LINE
	"	TREE CONIFEROUS (D.B.H. SHOWN)
	"	TREE DECIDUOUS (D.B.H. SHOWN)

OHW OHW OHW — OVERHEAD UTILITY WIRES

T T T — UNDERGROUND TELEPHONE

P P P — UNDERGROUND HYDRO

WTM WTM WTM — WATERMAIN

G G G — GASMAIN

STM STM STM — STORM SEWER

SAN SAN SAN — SANITARY SEWER

FOTS FOTS FOTS — UNDERGROUND FIBRE OPTIC

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 11th DAY OF JUNE, 2025.

June 12, 2025
DATE

R. G. BENNETT
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-97425.

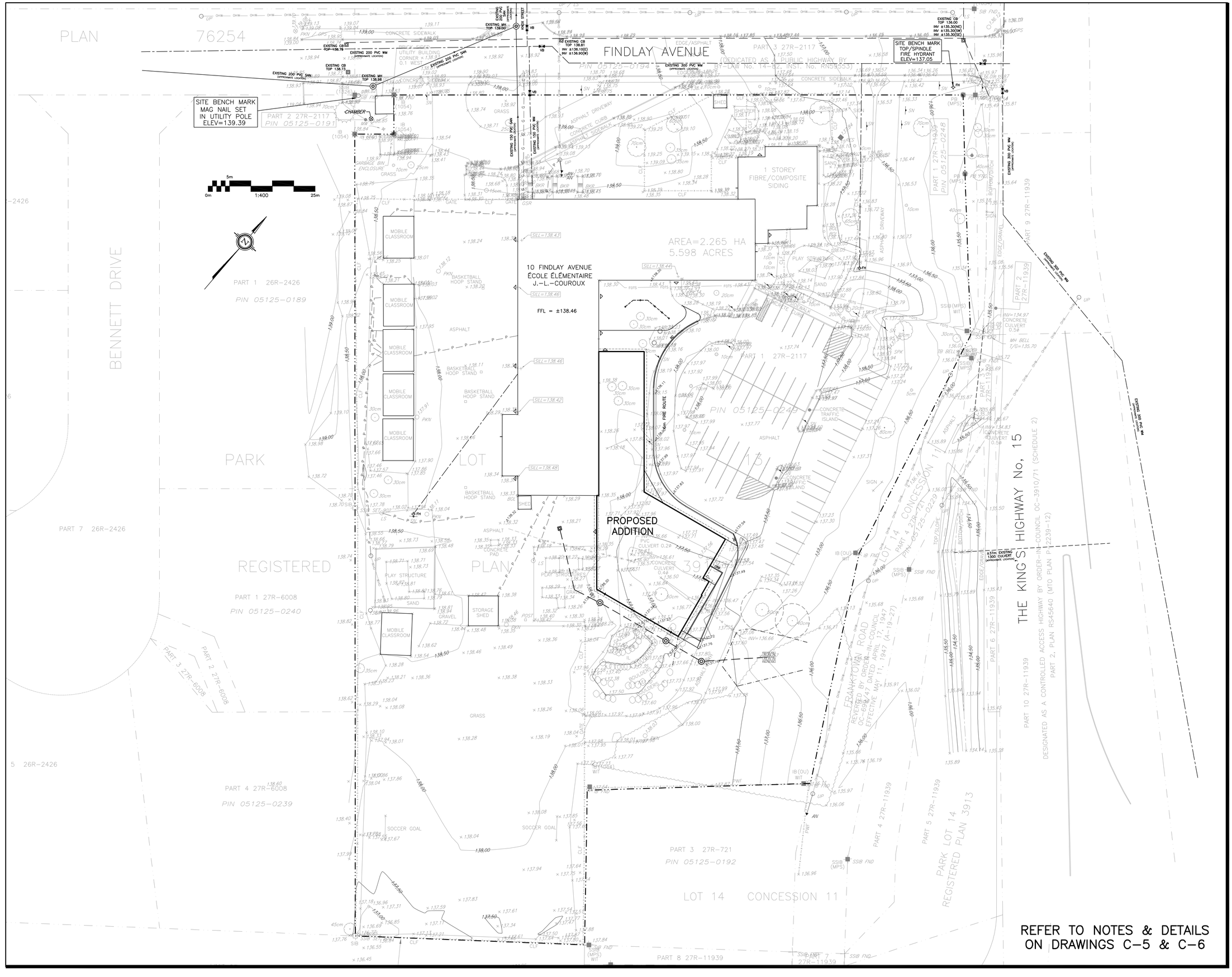
Stantec

Stantec Geomatics Ltd.
CANADA LANDS SURVEYORS
ONTARIO LAND SURVEYORS
1331 CLYDE AVENUE, SUITE 300
OTTAWA, ONTARIO, K2C 3G4
TEL. 613.722.4420
stantec.com

DRAWN: ME	CHECKED: GB	PM: CT	FIELD: RJ	PROJECT No.: 161614885-111

June 12, 2025

W:\active\161614885\topographical\drawing\161614885-111_d1.dwg



LEGEND

FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH BASIN
MH	STORM MANHOLE
CB/MH	CATCH BASIN/MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
VB	VALVE & VALVE BOX
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
INV	INVERT OF PIPE
x99.99	EXISTING GRADE ELEVATION
	CENTERLINE OF SWALE

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING RE–NUMBERED (DRAWING C–7 ADDED)
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.

Stormwater Management · Grading & Drainage · Storm & Sanitary Sewers · Watermains

700 Long Point Circle 613-425-8044

Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

Drawing Title

OVERALL SITE PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 29–26
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:400
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.

C–1
of 7

REFER TO NOTES & DETAILS ON DRAWINGS C–5 & C–6

10 FINDLAY AVENUE
ÉCOLE ÉLÉMENTAIRE
J.–L.–COUROUX

SILL=138.46

FFL = ±138.46

SILL=138.44

CB–T TOP 138.17
CB–T TOP 138.15
CB–T TOP 138.14
CB–L TOP 138.19
CB–L TOP 138.13

SILL=138.46

EXISTING ROOF DRAIN OUTLET TO BE REMOVED (APPROXIMATE LOCATION)

ROOF DRAINAGE FROM TWO EXISTING ROOF DRAINS (DRAINING 470m² OF EXISTING ROOF) TO BE CONVEYED TO THE PROPOSED ROOF DRAIN OUTLETS LOCATED AT THE SOUTH SIDE OF ADDITION (REFER TO MECHANICAL)

SILL=138.42

SILL=138.48

2m
0m 1:200 10m

6m FIRE ROUTE

PROPOSED ADDITION

FFL = 138.46

ROOF DRAIN OUTLET TO BE 0.30m ABOVE GRADE – TURN END OF PIPE DOWN ON TO SPLASH PAD

EXTENT OF FOOTING

USF=136.23

CB-1
TOP 138.07
INV 136.54

21.4m – 375 PVC ST @ 0.79%

45° BEND

CB/MH–2
TOP 138.00
INV 136.37(NW)
INV 136.29(E)

17.8m – 450 PVC ST @ 0.45%

CB/MH–3
TOP 137.26
INV 136.21(W)
INV 136.20(E)

ARMOUR STONES TO BE RELOCATED

9.5m – 450 PVC ST @ 0.21%

MH–4
TOP 137.79
INV 136.18(W)
INV 136.15(NE)

15.3m – 450 PVC ST @ 0.26%

INSTALL AN OUTLET TYPE (HORIZONTAL BARS) RODENT GRATE AT THE OUTLET.

ST INV 136.11

RIP RAP (2.5m x 3.0m)

±37m EXISTING 1300 CULVERT (APPROXIMATE LOCATION)

PART 1 27R–2117

PIN 05125–0249

PART 2 27R–11939

PART 3 27R–11939

PART 4 27R–11939

PIN 05125–0229

LOT 14 CONCESSION 1

LOT 15

LOT 16

LOT 39

REVERTED BY ORDER–IN–COUNCIL OC–695147 DATED APRIL 17, 1947 EFFECTIVE MAY 11, 1947 (A–19–27)

THE KING'S HIGHWAY No. 15

AS A CONTROLLED ACCESS HIGHWAY BY ORDER–IN–COUNCIL OC–3910/71 (SCHEDULE 2) PART 2, PLAN RS45640 (MTO PLAN P–2239–12)

FRANKTOWN ROAD

REFER TO NOTES & DETAILS ON DRAWINGS C–5 & C–6

LEGEND

FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH BASIN
MH	STORM MANHOLE
CB/MH	CATCH BASIN/MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
VB	VALVE & VALVE BOX
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
INV	INVERT OF PIPE
×99.99	EXISTING GRADE ELEVATION
	CENTERLINE OF SWALE

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING RE–NUMBERED (DRAWING C–7 ADDED)
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project
PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

Drawing Title
SITE SERVICING PLAN

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 29–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:200
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.
C–2
of 7

10 FINDLAY AVENUE
ÉCOLE ÉLÉMENTAIRE
J.–L.–COUROUX

FFL = ±138.46

SILL=138.46

SILL=138.46

SILL=138.42

SILL=138.48

2m
0m 1:200 10m

PRIOR TO COMMENCEMENT OF CONSTRUCTION DETERMINE THE PURPOSE AND EXTENT OF SEWER BY CONDUCTING A CCTV INSPECTION AND/OR BY EXCAVATING TEST PITS. REPORT FINDINGS TO ENGINEER.

REMOVE EXISTING CATCH BASIN

ABANDON EXISTING SEWER

REMOVE EXISTING SEWER

EXISTING CB
TOP 138.07
INV ±136.75(E)
INV ±136.75(W)

INSTALL A WATERTIGHT CAP AT OPEN ENDS OF ANY SEWER, CULVERT OR PIPE TO BE ABANDONED.

ABANDON EXISTING 600 CONCRETE CULVERT

PART 1 27R–2117

PIN 05125–0249

PART 2 27R–11939

PART 3 27R–11939

PART 4 27R–11939

PART 6 27R–11939

LOT 14 CONCESSION 1

PIN 05125–0229

FRANKTOWN ROAD
REVERTED BY ORDER–IN–COUNCIL OC–699/47 DATED APRIL 17, 1947
EFFECTIVE MAY 11, 1947 (A–19–27)

THE KING'S HIGHWAY No, 15
AS A CONTROLLED ACCESS HIGHWAY BY ORDER–IN–COUNCIL OC–3910/71 (SCHEDULE 2)
PART 10 27R–11939
PART 2, PLAN RS45640 (MTO PLAN P–2239–12)

±37m EXISTING 1300 CULVERT (APPROXIMATE LOCATION)

EXISTING 300 F (APPROXIMATE LOCATI

REFER TO NOTES & DETAILS ON DRAWINGS C–5 & C–6

LEGEND

FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH BASIN
MH	STORM MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
VB	VALVE & VALVE BOX
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
×99.99	EXISTING GRADE ELEVATION

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING RE–NUMBERED (DRAWING C–7 ADDED)
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project
PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

Drawing Title
EXISTING CONDITIONS, REMOVALS & ABANDONMENT PLAN

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
170116502
MAY 29–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:200
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.
C–3
of 7

10 FINDLAY AVENUE
ÉCOLE ÉLÉMENTAIRE
J.–L.–COUROUX

FFL = ±138.46

PROPOSED ADDITION
FFL = 138.46

SILL=138.46

EXISTING ROOF DRAIN OUTLET TO BE REMOVED (APPROXIMATE LOCATION)

ROOF DRAINAGE FROM TWO EXISTING ROOF DRAINS (DRAINING 470m² OF EXISTING ROOF) TO BE CONVEYED TO THE PROPOSED ROOF DRAIN OUTLETS LOCATED AT THE SOUTH SIDE OF ADDITION (REFER TO MECHANICAL)

SILL=138.42

SILL=138.48

SILL=138.44

2m
0m 1:200 10m

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB

INSTALL SEDIMENT CAPTURE FILTER SOCK INSERT IN CB/MHs

CB–T TOP 138.17
CB–T TOP 138.15
CB–T TOP 138.14
CB–L TOP 138.19
CB–L TOP 138.13
CB–1 TOP 138.07
CB/MH–2 TOP 138.00 138.30
CB/MH–3 TOP 137.26
MH–4 TOP 137.79

ROOF DRAIN OUTLET TO BE 0.30m ABOVE GRADE – TURN END OF PIPE DOWN ON TO SPLASH PAD

EXTENT OF FOOTING

INSTALL AN OUTLET TYPE (HORIZONTAL BARS) RODENT GRATE AT THE OUTLET.

SILT FENCE BARRIER

RIP RAP (2.5m x 3.0m)

ARMOUR STONES TO BE RELOCATED

6m FIRE ROUTE

CONCRETE SIDEWALK

CONCRETE TRAFFIC ISLAND

PLAY STRUCTURES

PART 1 27R–2117

PIN 05125–0249

PART 2 27R–11939

PART 3 27R–11939

PART 4 27R–11939

PART 6 27R–11939

PART 10 27R–11939

LOT 14 CONCESSION 1

LOT 15 CONCESSION 1

FRANKTOWN ROAD
REVERTED BY ORDER–IN–COUNCIL OC–691947 DATED APRIL 17, 1947
EFFECTIVE MAY 11, 1947 (A–19–27)

THE KING'S HIGHWAY No. 15
AS A CONTROLLED ACCESS HIGHWAY BY ORDER–IN–COUNCIL OC–3910/71 (SCHEDULE 2)
PART 2, PLAN RS45640 (MTO PLAN P–2239–12)

±37m EXISTING 1300 CULVERT (APPROXIMATE LOCATION)

REFER TO NOTES & DETAILS ON DRAWINGS C–5 & C–6

LEGEND

FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH BASIN
MH	STORM MANHOLE
CB/MH	CATCH BASIN/MANHOLE
MH	SANITARY MANHOLE
×99.99	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
2%	PROPOSED SLOPE OF GRADE
	CENTERLINE OF SWALE
	150mm BARRIER CURB
D.C	DEPRESSED CURB
	ASPHALT PAVEMENT
	CONCRETE
	LANDSCAPE

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING RE–NUMBERED (DRAWING C–7 ADDED)
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project
PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

Drawing Title
GRADING PLAN AND EROSION & SEDIMENT CONTROL PLAN

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 29–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:200
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.
C–4
of 7

1. GENERAL

1.1 USE BAR SCALE TO CONFIRM ACTUAL PLOT SCALE. EXISTING AND NEW ELEVATIONS AND INVERTS SHOWN ARE GEODETIC AND ARE IN METERS. ALL PIPE DIMENSIONS ARE NOMINAL AND IN MILLIMETERS UNLESS OTHERWISE NOTED.
1.2 UNLESS OTHERWISE STATED "ENGINEER" REFERS TO D. B. GRAY ENGINEERING INC.
1.3 SITE BOUNDARIES AND EXISTING GRADES AND OTHER FEATURES DERIVED FROM TOPOGRAPHIC SURVEY PREPARED BY STANTEC GEOMATICS LTD. PROJECT No.; 161614885-111.
IT IS THE RESPONSIBILITY OF THE USER OF THE SURVEY PLAN AND THESE DRAWINGS TO VERIFY THAT THE JOB BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREE WITH THE INFORMATION SHOWN ON SURVEY PLAN AND THESE DRAWINGS.
1.4 REFER TO ARCHITECTURAL AND LANDSCAPE SITE PLANS FOR EXACT LOCATIONS OF BUILDINGS, PAVED AREAS, SIDEWALKS, PLANTERS ETC. LAYOUT SHALL BE COMPLETED BY THE CONTRACTOR AND SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. AT ALL TIMES THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURACY OF THE LAYOUT INCLUDING LINES AND GRADES.
1.5 REFER TO TREE CONSERVATION REPORT FOR TREE PROTECTION REQUIREMENTS.
1.6 REFERENCE THE LATEST REVISION AND ALL ADDENDUMS OF THE GEOTECHNICAL INVESTIGATION BY EXP SERVICES INC. PROJECT NUMBER OTT-25006852-A0. CONSTRUCTION SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER INCLUDING: SUB-GRADE PREPARATION AND CONSTRUCTION OF THE PAVEMENT STRUCTURE; EXCAVATION AND BACKFILLING; SERVICE TRENCH EXCAVATION AND PIPE BEDDING AND BACKFILL; AND THE COMPACTION OF MATERIALS.
1.7 DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SITE SERVICING STUDY STORMWATER MANAGEMENT REPORT No. 25052 PREPARED BY D. B. GRAY ENGINEERING INC.
1.8 CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND CURRENT CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS.
1.9 ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS SHALL APPLY WHERE NO CITY OF OTTAWA STANDARD SPECIFICATIONS OR DRAWINGS ARE AVAILABLE.
1.10 REINSTATE AREAS DISTURBED BY CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS.
1.11 REINSTATE CITY PROPERTIES TO CITY STANDARDS AND TO THE MUNICIPALITY'S SATISFACTION.

2. EROSION AND SEDIMENT CONTROL PLAN

2.1 THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, USING SEDIMENT CAPTURE FILTER SOCK INSERTS IN CATCH BASINS AND MANHOLES AND INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS. LOG DAILY EROSION AND SEDIMENT CONTROL MEASURES. DO NOT REMOVE UNTIL CONSTRUCTION IS COMPLETE.
2.2 PRIOR TO COMMENCEMENT OF CONSTRUCTION AT ALL MUNICIPAL CATCH BASINS ADJACENT TO THE SITE AND AT ANY MANHOLES OR CATCH BASINS THAT WILL RECEIVE DISCHARGE FROM DE-WATERING OPERATIONS AND ALL NEW CATCH BASINS AS THEY ARE INSTALLED: INSTALL SEDIMENT CAPTURE FILTER SOCK INSERTS (TERRAFIX GEOSYNTHETICS INC SILTSACK OR APPROVED EQUAL). INSPECT AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT AS RECOMMENDED BY THE MANUFACTURER. IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED FILTER SOCK INSERTS. DO NOT REMOVE UNTIL CONSTRUCTION IS COMPLETE.
2.3 PRIOR TO COMMENCEMENT OF CONSTRUCTION INSTALL A SILT FENCE BARRIER AS SHOWN ON PLANS. INSPECT ALL SILT FENCES AT THE END OF EACH DAY AND AFTER EACH RAINFALL. REMOVE SEDIMENT DEPOSITS WHEN THE LEVEL OF DEPOSITS REACHES ONE THIRD THE HEIGHT OF THE FENCE. IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED SECTIONS OF FENCE. DO NOT REMOVE ANY SILT FENCES IN ANY PHASE UNTIL CONSTRUCTION IS COMPLETE.
2.4 ANY MATERIAL DEPOSITED ON A PUBLIC ROAD SHALL BE REMOVED BY SWEEPING AND SHOVELING OR VACUUMING AND DISPOSING SEDIMENT IN A CONTROLLED AREA. DO NOT SWEEP OR HOSE MATERIAL INTO ANY STORMWATER CONVEYANCE SYSTEM.
2.5 CONSTRUCTION IS CONSIDERED COMPLETE WHEN THE FOLLOWING CONDITIONS HAVE BEEN MET:
A. ALL STRUCTURES HAVE BEEN BUILT.
B. ALL HARD SURFACES HAVE BEEN CONSTRUCTED.
C. ALL PROPOSED GRASSED AREAS ARE EITHER SODDED OR HAVE A FULL COVERAGE OF WELL ESTABLISHED TURF AND HAVE HAD A MINIMUM OF ONE FULL GROWING SEASON (MAY 15TH TO SEPTEMBER 15TH).
D. THERE ARE NO AREAS OF EXPOSED EARTH.
E. ALL STOCKPILED MATERIALS HAVE BEEN REMOVED.
2.6 REMOVE EROSION AND SEDIMENT CONTROL MEASURES WHEN CONSTRUCTION IS COMPLETE.

3. GRADING & DRAINAGE

3.1 NEW GRADES TO MATCH EXISTING AT PROPERTY LINE. NO EXCESS DRAINAGE WILL BE DIRECTED TOWARDS THE ADJACENT PROPERTIES DURING OR AFTER CONSTRUCTION. THERE WILL BE NO ALTERATION TO EXISTING GRADE AND DRAINAGE PATTERNS ON PROPERTY LINE.
3.2 ALL AREAS SHALL BE GRADED TO ENSURE ADEQUATE DRAINAGE AWAY FROM BUILDINGS TO CATCH BASINS, SWALES, DITCHES AND OTHER APPROVED DISPOSAL AREAS. GRADING SHALL BE GRADUAL BETWEEN FINISHED SPOT ELEVATIONS SHOWN ON DRAWINGS TO PREVENT PONDING (OTHER THAN PONDING REQUIRED FOR STORMWATER MANAGEMENT).
3.3 WHETHER RESULT OF POOR WORKMANSHIP OR DAMAGE: DEFECTIVE GRADING SHALL BE CORRECTED.
3.4 GEOTEXTILE FABRIC: TO OPSS 1860. WOVEN SYNTHETIC FIBRE FABRIC SHALL BE USED IN SILT FENCE BARRIER (GEOSYNTHETIC HD105 OR APPROVED EQUAL). NON-WOVEN SYNTHETIC FIBRE FABRIC 1.75mm THICK, 200g/sq.m. SHALL BE USED FOR MATERIAL SEPARATION. SUBDRAIN / DRY WELL / INFILTRATION TRENCH APPLICATIONS: GEOSYNTHETIC TERRAFIX 360R OR APPROVED EQUAL. RIP RAP APPLICATIONS: GEOSYNTHETIC TERRAFIX 420R OR APPROVED EQUAL. BIAXIAL GEOGRID FABRIC: GEOSYNTHETIC TERRAFIX TBX250G OR APPROVED EQUAL. PRIOR TO INSTALLATION SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL. GEOTEXTILE FABRIC SHALL BE FREE OF TEARS AND RESISTANT TO DETERIORATION BY ULTRA VIOLET AND HEAT EXPOSURE. PLACE GEOTEXTILE MATERIAL BY UNROLLING ONTO GRADED SURFACE, SMOOTH AND FREE OF TENSION STRESS, FOLDS, WRINKLES AND CREASES. PLACE GEOTEXTILE MATERIAL ON SLOPING SURFACES IN ONE CONTINUOUS LENGTH FROM TOE OF SLOPE TO UPPER EXTENT OF GEOTEXTILE. OVERLAP EACH SUCCESSIVE STRIP OF GEOTEXTILE 600mm OVER PREVIOUSLY LAID STRIP IN DIRECTION OF FLOW. ALTERNATIVELY THE FABRIC MAY BE LAPPED A MINIMUM OF 300mm AND PINNED TOGETHER. PROTECT INSTALLED GEOTEXTILE MATERIAL FROM DISPLACEMENT, DAMAGE OR DETERIORATION BEFORE, DURING AND AFTER PLACEMENT OF MATERIAL LAYERS AFTER INSTALLATION, COVER WITH OVERLYING LAYER WITHIN 4 HOURS OF PLACEMENT. DURING DELIVERY AND STORAGE, PROTECT GEOTEXTILES FROM DIRECT SUNLIGHT, ULTRAVIOLET RAYS, EXCESSIVE HEAT, MUD, DIRT, DUST, DEBRIS AND RODENTS. VEHICULAR TRAFFIC NOT PERMITTED DIRECTLY ON GEOTEXTILE. AVOID PUNCTURING GEOTEXTILE. REPLACE DAMAGED OR DETERIORATED GEOTEXTILE.
3.5 RIP RAP: PLACE RIP-RAP 300mm THICK AS INDICATED ON PLANS AS PER OPSS 511 AND OPSD 810.010 AND/OR 810.020. USE QUARRIED STONE 200MM TO 300MM IN DIAMETER. AREA TO BE RIP RAPPED SHALL BE EXCAVATED AND FINE GRADED TO A UNIFORM AND EVEN SURFACE TO PROVIDE ADEQUATE FOUNDATION. FILL AND THOROUGHLY COMPACT DEPRESSIONS. WHERE RIP RAP IS TO BE PLACED ON SLOPES, EXCAVATE TRENCH AT TOE OF SLOPE. PLACE GEOTEXTILE FABRIC ON PREPARED SURFACE. GEOTEXTILE FABRIC SHALL EXTEND A MINIMUM 300mm BEYOND THE EXTENT OF THE RIP RAP IN ALL DIRECTIONS. PLACE RIP RAP ON FABRIC CAREFULLY, TO AVOID PUNCTURING FABRIC. PLACE RIP RAP IN A SET AND STABLE MANNER. ROCK SHALL BE PLACED, STARTING AT THE LOWER END OF THE SLOPE. THE LARGEST ROCKS OBTAINABLE SHALL BE USED AND PLACED IN THE BOTTOM COURSES AND FOR USE AS HEADERS THROUGH SUBSEQUENT COURSES. THEY SHALL BE LAID CLOSELY AND SUCH THAT THEY WILL PROVIDE A REASONABLE SEMBLANCE OF COURSES. FILL VOIDS WITH ROCK SPALLS OR COBBLES. FINNISH SURFACE EVEN, FREE OF LARGE OPENINGS AND NEAT IN APPEARANCE.

4. SITE SERVICES

4.1 ALL SEWER MATERIALS AND CONSTRUCTION METHODS TO MUNICIPAL STANDARDS AND ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS (OPSS & OPSD). SEWER MATERIAL SHALL BE PVC SDR-35 (SDR-28 FOR DIAMETERS 150mm OR LESS) AND SHALL CONFORM TO CSA B182.2 AND SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS.
4.2 SEWERS SHALL HAVE A MINIMUM 1.8m OF COVER OR SHALL BE INSULATED AS PER DETAIL.
4.3 MANHOLES & CATCH BASINS:
A. PRECAST MANHOLE UNITS: TO OPSS 1351 AND OPSD 701.010 WITH BASE SLAB OR MONOLITHIC BASE. TOP SECTIONS ECCENTRIC CONE OR FLAT LAB TOP TYPE WITH OPENING OFFSET FOR VERTICAL LADDER INSTALLATION.
B. MANHOLE STEPS: TO OPSD 405.01
C. ADJUSTING RINGS: TO ASTM C 478M.
D. ALUMINUM SURFACES IN CONTACT WITH OR CAST INTO CONCRETE SHALL HAVE POLYETHYLENE ANCHOR INSULATING SLEEVES.
E. PRECAST CATCH BASIN SECTIONS: TO OPSS 1351.
F. JOINTS: SHALL BE MADE WATERTIGHT USING BUTYL BASED, FLEXIBLE WATERSTOP/JOINT SEALANT MATERIAL.
G. STORM SEWERS: MANHOLES SHALL HAVE A 300mm SUMP AND CATCH BASINS AND DITCH INLETS SHALL HAVE A 600mm SUMP.
H. FRAMES, GRATES AND COVERS TO CITY OF OTTAWA DRAWINGS OR OPSD (AS PER CATCH BASIN & MANHOLE SCHEDULE). GRATES AND COVERS TO BEAR EVENLY ON FRAMES.
I. GRANULAR BEDDING AND BACKFILL: OPSS GRANULAR A. RE-CYLCLED GRANULAR MATERIALS ARE NOT PERMITTED.
J. PRIOR TO INSTALLATION SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.
4.4 PERFORATED 250 mm SUB-DRAINS SHALL BE HDPE, IWITH FILTER SOCK; BOSS 1000 OR EQUAL.
4.5 LANDSCAPE CATCH BASINS (CB-Ts & CB-Ls) SHALL BE HDPE, INTERIOR SMOOTH WALLED PIPE 300 x 375 mm 'T' SECTION AND SHALL HAVE A 300 mm POLYETHYLENE GRATE SCREWED TO THE FRAME.
4.6 ROOF DRAINS SHALL BE ADJUSTABLE FLOW CONTROL TYPE EACH INSTALLED WITH A FIXED WEIR CONE AND AN ADJUSTABLE UPPER WEIR CONE IN THE 3/4 OPEN POSITION, RELEASING 1.56 L/s AT 150 mm (25 USgpm AT 6 inches). OPENING AT TOP OF FLOW CONTROL WEIR SHALL BE A MINIMUM 50 mm IN DIAMETER: WATTS ROOF DRAIN WITH WATTS ADJUSTABLE ACCUTROL WEIR AND A DUCTILE IRON VANDAL PROOF DOME; RD-100-A-ADJ-L OR APPROVED EQUAL. THE DOME SHALL SECURELY HOLD THE WEIR IN PLACE AND THE DOME SHALL BE SECURED TO THE DRAIN BODY WITH SPECIALIZED TAMPER-PROOF SCREWS. PRIOR TO INSTALLATION SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW.

5. CONSTRUCTION:

5.1 PRIOR TO COMMENCING WORK:
A. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE AUTHORITIES.
B. SIZE, DEPTH AND LOCATION OF EXISTING INFRASTRUCTURE (SERVICES, UTILITIES, AND STRUCTURES) AND ARE NOT NECESSARILY SHOWN ON DRAWINGS AND THOSE INDICATED ON THE DRAWINGS ARE DERIVED FROM AVAILABLE INFORMATION AND ARE FOR GUIDANCE ONLY AND MUST BE CONFIRMED ON SITE BEFORE COMMENCING ANY WORK. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. NOTIFY ALL APPLICABLE OWNERS, UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION OF PROPOSED WORK AND LOCATE AND CLEARLY IDENTIFY ALL EXISTING INFRASTRUCTURE ON THE SITE AND ADJACENT TO THE SITE. UNDERGROUND LOCATES (INCLUDING BUT NOT LIMITED TO ONTARIO ONE CALL: 1-800-400-2255) SHALL BE CONDUCTED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION. CONFIRM LOCATIONS OF BURIED INFRASTRUCTURE BY CAREFULLY EXCAVATING TEST PITS AND REPORT ANY DIFFERENCES TO THE ENGINEER. ANY ISSUES ARISING FROM FAILURE OF CONTRACTOR TO DETERMINE THE SIZE, DEPTH AND LOCATION ALL EXISTING INFRASTRUCTURE WILL BE AT THE CONTRACTOR'S EXPENSE.
C. EXISTING GRADE ELEVATIONS SHOWN ON DRAWINGS ARE DERIVED FROM AVAILABLE INFORMATION AND ARE FOR GUIDANCE ONLY AND MUST BE CONFIRMED ON SITE BEFORE COMMENCING CONSTRUCTION. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. REPORT ANY DIFFERENCES TO ENGINEER.
D. COORDINATE AND SCHEDULE WORK WITH THE OWNER, AUTHORITIES AND OTHER TRADES.
E. SCHEDULE WORK TO PROVIDE THE MINIMUM DISRUPTION TO SERVICES.
F. INSTALL CONSTRUCTION FENCING AROUND THE AREA OF WORK. DO NOT REMOVE FENCING UNTIL WORK IS COMPLETE.
5.2 MAINTAIN AND PROTECT FROM DAMAGE, SERVICES, UTILITIES AND STRUCTURES ENCOUNTERED.
5.3 PROTECT EXISTING BUILDINGS, TREES AND OTHER PLANTS, LAWNS, FENCING, SERVICE POLES, WIRES, PAVEMENT, SURVEY BENCH MARKS AND MONUMENTS AND OTHER SURFACE FEATURES FROM DAMAGE WHILE WORK IS IN PROGRESS. DO NOT DISTURB SOIL WITHIN BRANCH SPREAD OF TREES OR SHRUBS THAT ARE TO REMAIN.
5.4 PROVIDE TRAFFIC CONTROL AND SAFETY MEASURES AS REQUIRED BY THE AUTHORITIES, INCLUDING ANY NECESSARY PERSONNEL AND THE SUPPLY, INSTALLATION, REMOVAL AND REPLACEMENT OF ALL NECESSARY SIGNAGE AND BARRIERS. IF APPLICABLE, PROVIDE TRAFFIC MANAGEMENT PLAN AS PER CITY OF OTTAWA REQUIREMENTS.
5.5 FENCE OFF ALL OPEN EXCAVATIONS AT THE END OF EACH WORK DAY. FENCES SHALL BE INSTALLED AND MAINTAINED A GOOD AND EFFECTIVE CONDITION.
5.6 REMOVE OBSTRUCTIONS, ICE AND SNOW, FROM SURFACES TO BE EXCAVATED.
5.7 CUT PAVEMENT AND / OR SIDEWALK NEATLY ALONG LIMITS OF PROPOSED EXCAVATION IN ORDER THAT SURFACE MAY BREAK EVENLY AND CLEANLY.
5.8 COORDINATE AND PAY FOR GEOTECHNICAL INSPECTIONS AND COMPACTION TESTS OF; SERVICING TRENCHES (SUB-GRADE, PIPE BEDDING AND EACH LAYER OF SURROUND MATERIAL, AND BACKFILL); AND PAVEMENT STRUCTURES (SUB-GRADE, SUB-BASE, BASE AND ASPHALT); TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT AND ENGINEER. SUBMIT GEOTECHNICAL INSPECTIONS AND COMPACTION REPORTS TO ENGINEER FOR REVIEW.
5.9 CUT AND FILL AS NECESSARY TO ACHIEVE THE PROPOSED GRADE ELEVATIONS. DISPOSE OF SURPLUS AND UNSUITABLE EXCAVATED MATERIAL OFF SITE. ANY REQUIRED FILL SHALL BE CLEAN WELL GRADED SAND TO OPSS 1004 UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL CONSULTANT. FILL SHALL BE COMPACTED TO NOT LESS THAN 95% OF CORRECTED MAXIMUM DRY DENSITY. FILL MATERIAL AND THE PLACEMENT AND COMPACTION OF THE FILL MATERIAL AS PER THE GEOTECHNICAL REPORT AND TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT. PLACE MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS.
5.10 PROTECT WORK AREA AGAINST FLOODING AND DAMAGE DUE TO SURFACE RUN-OFF. DEWATER AS REQUIRED TO KEEP WORK AREA FREE OF WATER. DISCHARGE FROM DEWATERING OPERATIONS SHALL BE DIRECTED TO A SEDIMENT CONTROL MEASURE AND/OR A VEGETATED DISCHARGE AREA. ENSURE THAT THE DISCHARGED WATER DOES NOT CAUSE EROSION OR OTHER DAMAGE TO ADJACENT LANDS.
5.11 EXCAVATION, TRENCHING, & BACKFILL:
A. SHORE AND BRACE EXCAVATIONS, PROTECT SLOPES AND BANKS AND PERFORM ALL WORK IN ACCORDANCE WITH ONTARIO REGULATION 213/91 UNDER THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND OTHER AUTHORITIES HAVING JURISDICTION.
B. KEEP EXCAVATIONS FREE OF WATER WHILE WORK IS IN PROGRESS. PROTECT OPEN EXCAVATIONS AGAINST FLOODING AND DAMAGE DUE TO SURFACE RUN-OFF.
C. EXCAVATION SHALL NOT INTERFERE WITH BEARING CAPACITY OF ADJACENT FOUNDATIONS.
D. DO NOT OBSTRUCT FLOW OF SURFACE DRAINAGE OR NATURAL WATERCOURSES.
E. EXCAVATE TO LINES, GRADES, ELEVATIONS AND DIMENSIONS AS INDICATED.
F. EARTH BOTTOMS OF EXCAVATIONS TO BE UNDISTURBED SOIL, LEVEL, FREE FROM LOOSE, SOFT OR ORGANIC MATTER.
G. ALL STRUCTURES WITHIN PAVED AREAS SHALL HAVE 4:1 FROST TAPERS FROM FROST LINE TO SUB-GRADE.
H. CORRECT OVER-EXCAVATION WITH GRANULAR A COMPACTED TO NOT LESS THAN 95% OF CORRECTED MAXIMUM DRY DENSITY.
I. SUB-GRADE AND AREAS TO BE BACKFILLED TO BE FREE FROM DEBRIS, SNOW, ICE, WATER AND FROZEN GROUND.
J. DO NOT USE BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
K. PIPE BEDDING AND SURROUND MATERIAL SHALL BE OPSS GRANULAR A. RE-CYLCLED GRANULAR MATERIALS ARE NOT PERMITTED.
L. DO NOT USE BEDDING, SURROUND OR BACKFILL MATERIAL WHICH IS FROZEN OR CONTAINS ICE, SNOW OR DEBRIS.
M. PIPE BEDDING SHALL BE 150mm THICK. SHAPE BED TRUE TO GRADE AND TO PROVIDE CONTINUOUS, UNIFORM BEARING SURFACE FOR PIPE.
N. PLACE SURROUND MATERIAL AROUND PIPES TO FULL WIDTH OF TRENCH AND TO 300mm ABOVE PIPES.
O. PLACE BEDDING AND SURROUND MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS. PLACE FILL AND BACKFILL MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS.
P. COMPACT EACH LAYER TO 95% OF CORRECTED DRY DENSITY BEFORE PLACING SUCCEEDING LAYER.
Q. DO NOT BACKFILL AROUND OR OVER CAST-IN-PLACE CONCRETE WITHIN 24 HOURS AFTER PLACING OF CONCRETE.
R. BACKFILL MATERIALS WITHIN 1.8m OF PROPOSED GRADE SHALL MATCH THE MATERIALS EXPOSED ON THE TRENCH WALLS. BACKFILL BELOW 1.8m OF THE PROPOSED CAN CONSIST OF EITHER ACCEPTABLE NATIVE MATERIAL; ROCK; OR IMPORTED GRANULAR MATERIAL CONFORMING TO OPSS GRANULAR B TYPE I OR II. ANY ORGANIC SOILS OR TOPSOIL, IF ENCOUNTERED, SHALL BE REMOVED FROM THE EXCAVATION. IF ROCK IS USED AS BACKFILL IT SHALL BE WELL SHATTERED AND GRADED AND 200mm OR SMALLER IN DIAMETER. TO PREVENT INGRESS OF FINE MATERIAL INTO VOIDS IN THE ROCK FILL, THE UPPER SURFACE OF THE ROCK FILL SHALL BE COVERED WITH 150mm LAYER OF COMPACTED, WELL GRADED CRUSHED STONE PLACED ON GEOTEXTILE FABRIC.
5.12 PIPES:
A. HANDLE PIPE USING METHODS APPROVED BY MANUFACTURER.
B. LAY, CUT AND JOIN PIPES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
C. USE ONLY FITTINGS AS RECOMMENDED BY PIPE MANUFACTURER.
D. LAY PIPES ON PREPARED BED, TRUE TO LINE AND GRADE AND ENSURE BARREL OF EACH PIPE IS IN CONTACT WITH SHAPED BED THROUGHOUT ITS FULL LENGTH, FREE OF SAGS OR HIGH POINTS.
E. DO NOT EXCEED MAXIMUM JOINT DEFLECTION RECOMMENDED BY PIPE MANUFACTURER.
F. WHENEVER WORK IS SUSPENDED, INSTALL REMOVABLE WATERTIGHT BULKHEAD AT OPEN END OF LAST PIPE LAID TO PREVENT ENTRY OF FOREIGN MATERIALS.
G. WHEN STOPPAGE OF WORK OCCURS, BLOCK PIPES TO PREVENT CREEP DURING DOWN TIME. MAKE WATERTIGHT CONNECTIONS TO MANHOLES.
H. JOINTS SHALL BE STRUCTURALLY SOUND AND WATERTIGHT.
I. REPAIR OR REPLACE PIPE, PIPE JOINT OR BEDDING FOUND DEFECTIVE.
5.13 SEWERS AND SEWER SERVICE CONNECTIONS:
A. INSTALL PIPE JOINTS NOT MORE THAN 1.2 m FROM SIDE OF ROGID STRUCTURE.
B. MAINTAIN EXISTING SEWAGE FLOWS DURING CONSTRUCTION.
C. CONDUCT TWO CCTV INSPECTIONS OF SEWERS. FIRST INSPECTION AFTER COMPLETION OF CONSTRUCTION. SECOND INSPECTION IMMEDIATELY PRIOR TO END OF WARRANTY PERIOD. A PAN AND TILT CAMERA SHALL BE USED. REPAIR SEWER LINE AS REQUIRED. SUBMIT REPORTS AND DVDS TO ENGINEER.
D. CONDUCT DYE TEST OF SANITARY SEWERS AND COORDINATE WITH ENGINEER. DYE TEST SHALL BE WITNESSED BY ENGINEER.
5.14 MANHOLES & CATCH BASINS:
A. JOINTS: SHALL BE MADE WATERTIGHT.
B. SET PRECAST CONCRETE BASE ON 150mm MINIMUM OF GRANULAR BEDDING COMPACTED TO 100% CORRECTED MAXIMUM DRY DENSITY.
C. MAKE EACH JOINT WATERTIGHT WITH RUBBER RING GASKETS.
D. PLACE GRANULAR BACKFILL MATERIALS IN A UNIFORM LAYERS TO COMPACTED THICKNESS OF 150mm, COMPACT TO 95% CORRECTED MAXIMUM DRY DENSITY.
E. PLACE FRAME AND COVER ON TOP SECTION TO ELEVATION AS INDICATED. IF ADJUSTMENT REQUIRED USE CONCRETE RINGS TO A MAXIMUM OF 300mm.
F. CLEAN UNITS OF DEBRIS, FOREIGN AND SURPLUS MATERIALS. REMOVE FINS AND SHARP PROJECTIONS. PREVENT DEBRIS FROM ENTERING SYSTEM.
G. PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. SPECIFICALLY, THE LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 407.
5.15 MAINTAIN RECORD DRAWINGS AND ACCURATELY RECORD DEVIATIONS FROM THE ORIGINAL CONTRACT DOCUMENTS CAUSED BY SITE CONDITIONS AND CHANGES MADE BY CHANGE ORDER OR ADDITIONAL INSTRUCTIONS. UPDATE DAILY AND MAKE AVAILABLE ON-SITE FOR REVIEW THROUGHOUT THE CONSTRUCTION PERIOD. RECORD DRAWINGS SHALL INCLUDE BUT NOT NECESSARILY LIMITED TO CHANGES OF DIMENSION AND DETAIL; CHANGES TO GRADE ELEVATIONS; AND HORIZONTAL AND VERTICAL LOCATIONS OF UNDERGROUND SERVICES, UTILITIES AND APPURTENANCES REFERENCED TO A PERMANENT SURFACE STRUCTURE. SUBMIT DRAWINGS TO ENGINEER AT THE END OF CONSTRUCTION. SUBMIT A RECORD DRAWING OF "AS-BUILT" GRADE ELEVATIONS, PREPARED BY AN OLS SURVEYOR, TO THE ENGINEER AT THE END OF CONSTRUCTION.
5.16 REINSTATE ALL AREAS DISTURBED BY CONSTRUCTION. REINSTATE PAVEMENTS, CURBS AND SIDEWALKS, TO THICKNESS, STRUCTURE AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION. REINSTATE LANDSCAPED AREAS TO THE CONDITION AND ELEVATION WHICH EXISTED BEFORE CONSTRUCTION.
5.17 CLEAN AND REINSTATE AREAS AFFECTED BY THE WORK.

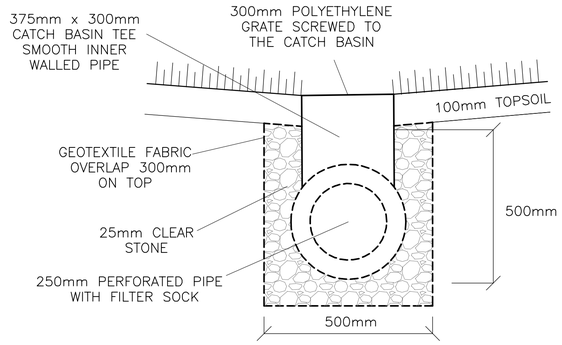
6. PAVEMENT

6.1 PAVEMENT STRUCTURE (AS RECOMMENDED BY THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP SERVICES INC.):
65 mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
150 mm OPSS GRANULAR A BASE
300 mm OPSS GRANULAR B TYPE II SUB-BASE
RE-CYLCLED GRANULAR MATERIALS ARE NOT PERMITTED.
ASPHALTIC CONCRETE SHALL BE PERFORMANCE GRADE PG58-34.
HOT MIX ASPHALT MATERIALS SHALL BE ACCORDING TO OPSS 1150 OR 1151.
CONSTRUCTION OF HOT MIX ASPHALT PAVEMENT SHALL BE ACCORDING TO OPSS 310.
6.2 PAVEMENT SUB-GRADE PREPARATION AND CONSTRUCTION OF THE PAVEMENT STRUCTURE SHALL CONFORM TO THE GEOTECHNICAL INVESTIGATION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
6.3 ALL EXISTING ASPHALT TO BE REMOVED SHALL BE HAULED TO A FACILITY APPROVED FOR ACCEPTING SUCH MATERIALS. REMOVE ALL MATERIALS TO THE SUB-GRADE LEVEL. REMOVE ORGANIC OR UNSUITABLE MATERIAL FROM SUB-GRADE WHERE ENCOUNTERED TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT. SUB-GRADE TO BE FREE FROM DEBRIS, SNOW, ICE, WATER AND FROZEN GROUND. COMPACT SUB-GRADE TO 98%.
6.4 CONSTRUCT GRANULAR BASE AND SUB-BASE TO DEPTH AND GRADE IN AREAS INDICATED. CONSTRUCT A 5H:1V FROST TAPER IN SUB-GRADE SURFACE AS A TRANSITION BETWEEN DIFFERING PAVEMENT STRUCTURES AND BETWEEN PAVEMENT AND CURBS AND SIDEWALKS.
6.5 ENSURE NO FROZEN MATERIAL IS PLACED. PLACE MATERIAL ONLY ON CLEAN UNFROZEN SURFACE, FREE FROM SNOW OR ICE.
6.6 PLACE MATERIAL TO FULL WIDTH IN UNIFORM LAYERS NOT EXCEEDING 300MM COMPACTED THICKNESS. SHAPE EACH LAYER TO SMOOTH CONTOUR AND COMPACT TO SPECIFIED DENSITY BEFORE SUCCEEDING LAYER IS PLACED.
6.7 COMPACT SUB-BASE MATERIAL TO DENSITY OF NOT LESS THAN 100% CORRECTED MAXIMUM DRY DENSITY. FILL OVER-EXCAVATED SUB-GRADE WITH SUB-BASE MATERIAL, COMPACT TO 100%. COMPACT BASE AND SHOULDER MATERIAL TO DENSITY NOT LESS THAN 100% CORRECTED MAXIMUM DRY DENSITY.
6.8 IN AREAS NOT ACCESSIBLE TO ROLLING EQUIPMENT, COMPACT TO SPECIFIED DENSITY WITH MECHANICAL TAMPERS.
6.9 REPLACE PAVEMENT DISTURBED BY CONSTRUCTION AND REPLACE WITH PAVEMENT STRUCTURE ABOVE.
6.10 WHERE NEW ASPHALT COMES IN CONTACT WITH EXISTING PAVEMENT: SAWCUT EXISTING ASPHALT LAYER TO CREATE A CLEAN STRAIGHT EDGE. TACK COAT SHALL BE APPLIED TO ASPHALT SURFACES AT WHICH JOINTS ARE TO BE MADE INCLUDING EXISTING PAVEMENT SURFACES THAT HAVE BEEN CUT, GROUND OR MILLED. TACK COAT THE SURFACE OF ALL BINDER COURSES AND BUTTING CONCRETE SURFACES. SURFACES TO BE TACK COATED SHALL BE FREE OF STANDING WATER AND CONTAMINATION, SUCH AS MUD, LOOSE AGGREGATE OR DEBRIS AND SHALL BE DRY AND CLEAN WHEN THE TACK COAT IS APPLIED. TACK COAT SHALL BE PLACED SUFFICIENTLY AHEAD OF THE PAVING OPERATION TO ALLOW FOR CURING. PAVING AND CONSTRUCTION EQUIPMENT SHALL NOT BE PERMITTED ONTO THE TACK COAT UNTIL IT HAS SET. TACK COAT MATERIAL SHALL CONSIST OF SS-1 EMULSIFIED ASPHALT DILUTED WITH AN EQUAL VOLUME OF WATER. THE UNDILUTED MATERIAL SHALL BE ACCORDING TO OPSS 1103.
6.11 SHAPE BASE TO SMOOTH CONTOUR AND COMPACT TO NOT LESS THAN 100% CORRECTED MAXIMUM DRY DENSITY BEFORE BEGINNING PAVING OPERATIONS.
6.12 APPLY ASPHALTIC CONCRETE ONLY WHEN BASE OR PREVIOUS COURSE IS DRY AND AIR TEMPERATURE IS ABOVE 5 DEG.C
6.13 ROLL UNTIL ROLLER MARKS ARE ELIMINATED AND COMPACTED TO 92 TO 97% OF DENSITY. COMPACT WITH HOT TAMPERS IN AREAS INACCESSIBLE TO A ROLLER. BEVEL EDGES ADJACENT TO GRANULAR SURFACES.
6.14 FINISH SURFACE SMOOTH, TRUE TO GRADE.
6.15 KEEP VEHICULAR TRAFFIC AND OTHER LOADS OFF NEWLY PAVED AREAS UNTIL 24 HOURS AFTER PAVING.
6.16 DIVERT UNUSED AND WASTE ASPHALT TO A FACILITY APPROVED FOR ACCEPTING SUCH MATERIALS.
6.17 APPLY TRAFFIC PAINT AS IDENTIFIED ON PLAN. TRAFFIC PAINT: NON-DARKENING, HOMOGENEOUS, UNIFORM AND SMOOTH, FREE FROM SKIN, DIRT AND OTHER FOREIGN PARTICLES. APPLY TO DRY PAVEMENT SURFACE FREE FROM FROST, ICE, DUST, OIL, GREASE AND OTHER FOREIGN MATERIALS. PROTECT PAVEMENT MARKINGS UNTIL DRY.

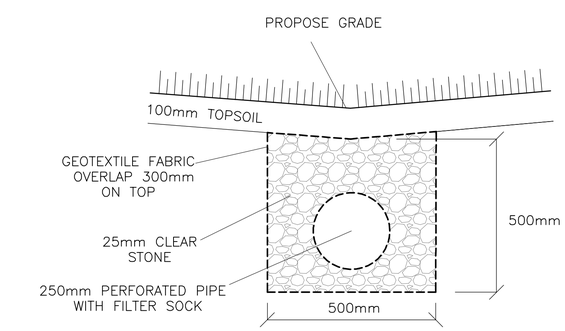
KEY PLAN



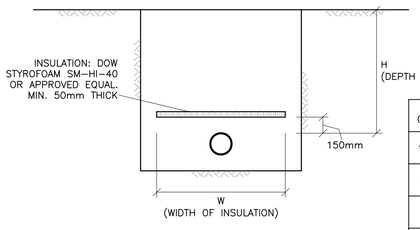
No.	DATE	REVISION



CB–T / CB–L & SUB–DRAIN
N.T.S.



SUB–DRAIN
N.T.S.



H (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1200 TO 1800mm	50mm	1200mm + DIAMETER OF PIPE
900 TO 1200mm	75mm	1800mm + DIAMETER OF PIPE
600 TO 900mm	100mm	2400mm + DIAMETER OF PIPE
LESS THAN 600mm	125mm	3000mm + DIAMETER OF PIPE

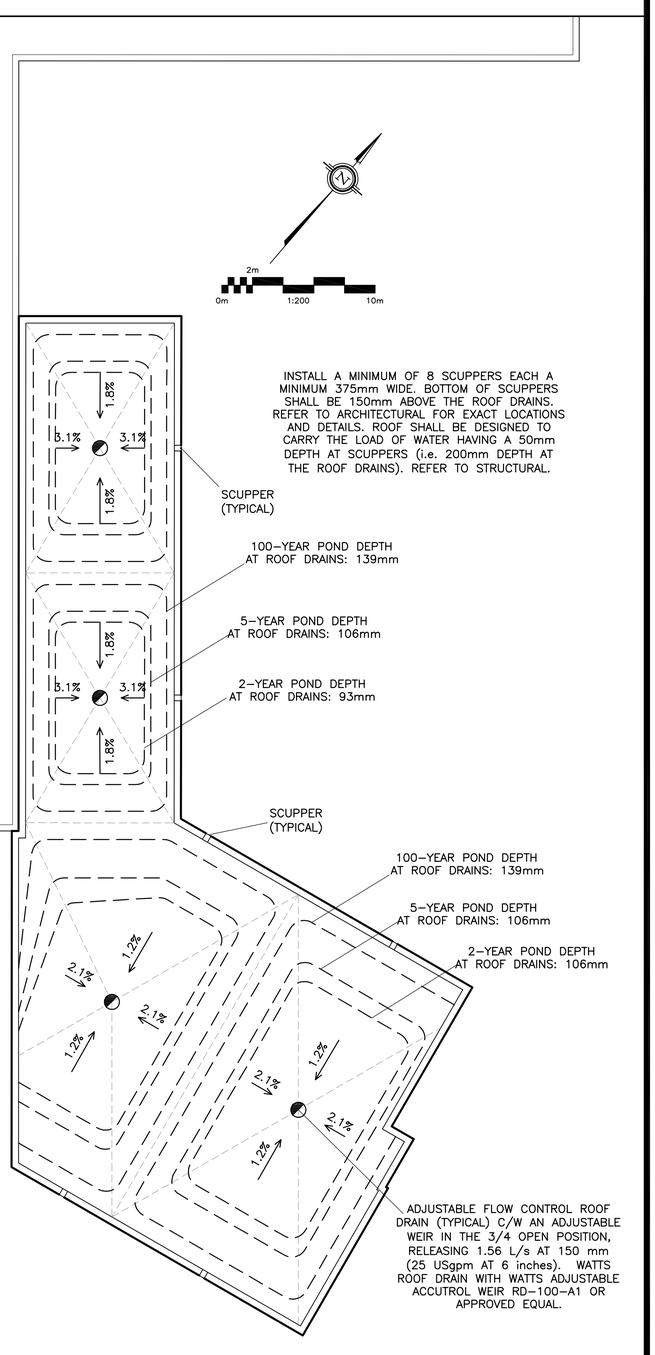
INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 1800mm. CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

INSULATION OF SEWERS
IN SHALLOW TRENCHES
N.T.S

CATCH BASIN & MANHOLE SCHEDULE

(SUBMIT SHOP DRAWINGS OF ALL CATCH BASINS & MANHOLES TO ENGINEER FOR APPROVAL)

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB–1	138.07	600mm x 600mm	PRECAST CONCRETE CATCH–BASIN	–	136.54	TO OPSD 705.010 FRAME & COVER TO OPSD 400.020
CB/MH–2	138.00	1200mm	PRECAST CONCRETE CATCH–BASIN/MANHOLE	136.37(NW)	136.29(E)	TO OPSD 701.010 FRAME & OPEN COVER TO OPSD 401.010
CB/MH–3	137.26	1200mm	PRECAST CONCRETE CATCH–BASIN/MANHOLE	136.21(W)	136.20(E)	TO OPSD 701.010 FRAME & OPEN COVER TO OPSD 401.010
MH–4	137.79	1200mm	PRECAST CONCRETE MANHOLE	136.18(W)	136.15(NE)	TO OPSD 701.010 FRAME & CLOSED COVER TO OPSD 401.010



ROOF DRAINAGE PLAN

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING RE–NUMBERED (DRAWING C–7 ADDED)
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

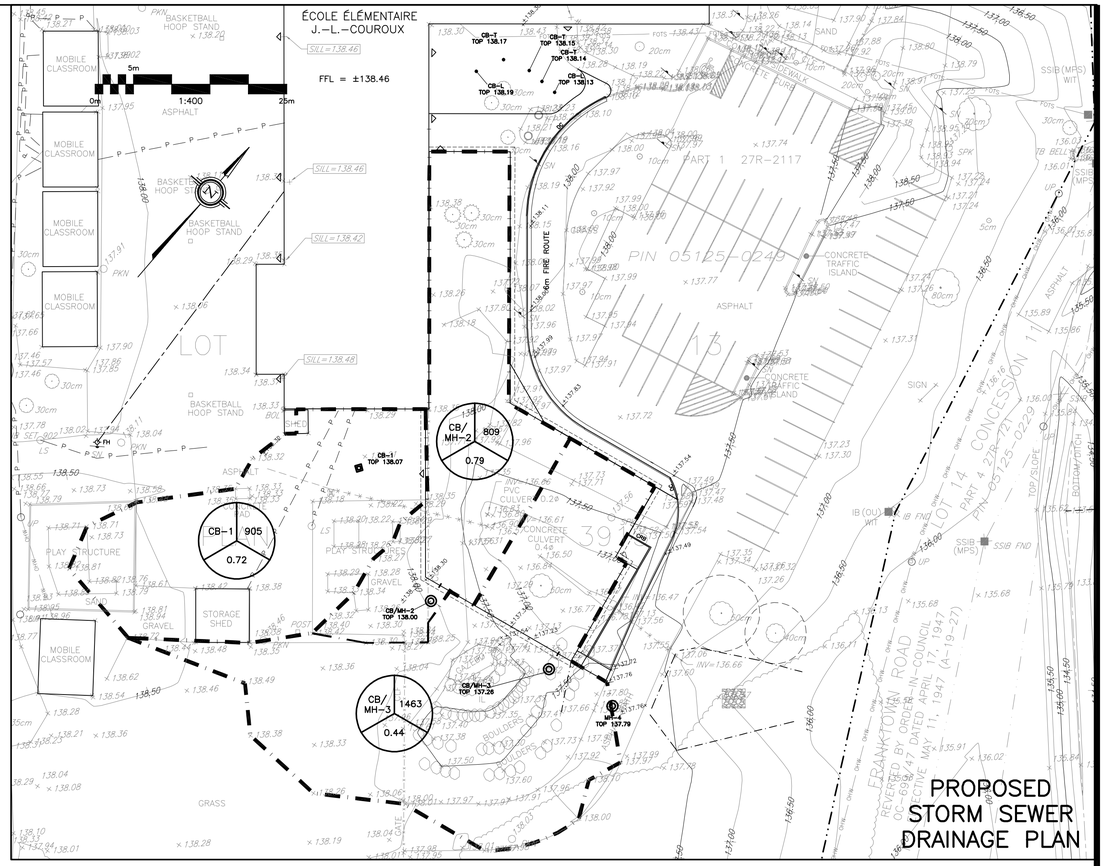
Project
PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

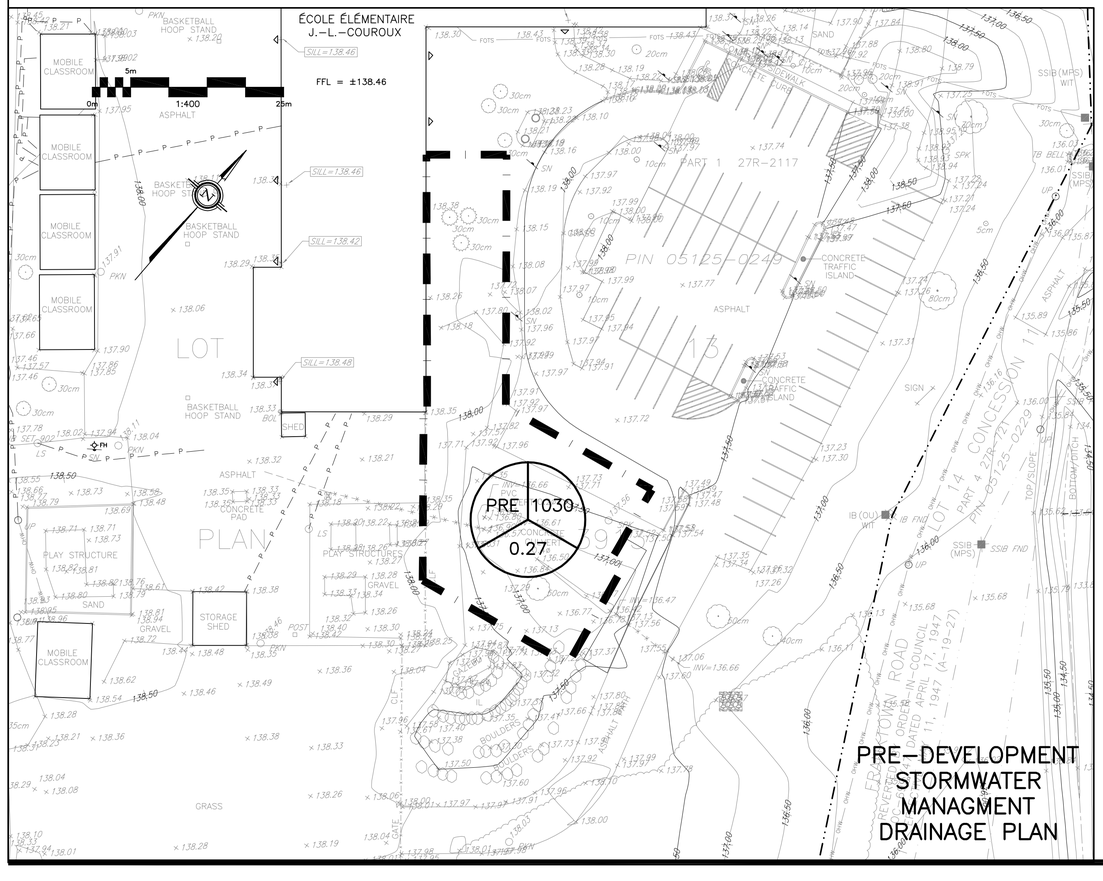
Drawing Title
ROOF DRAINAGE
PLAN & DETAILS

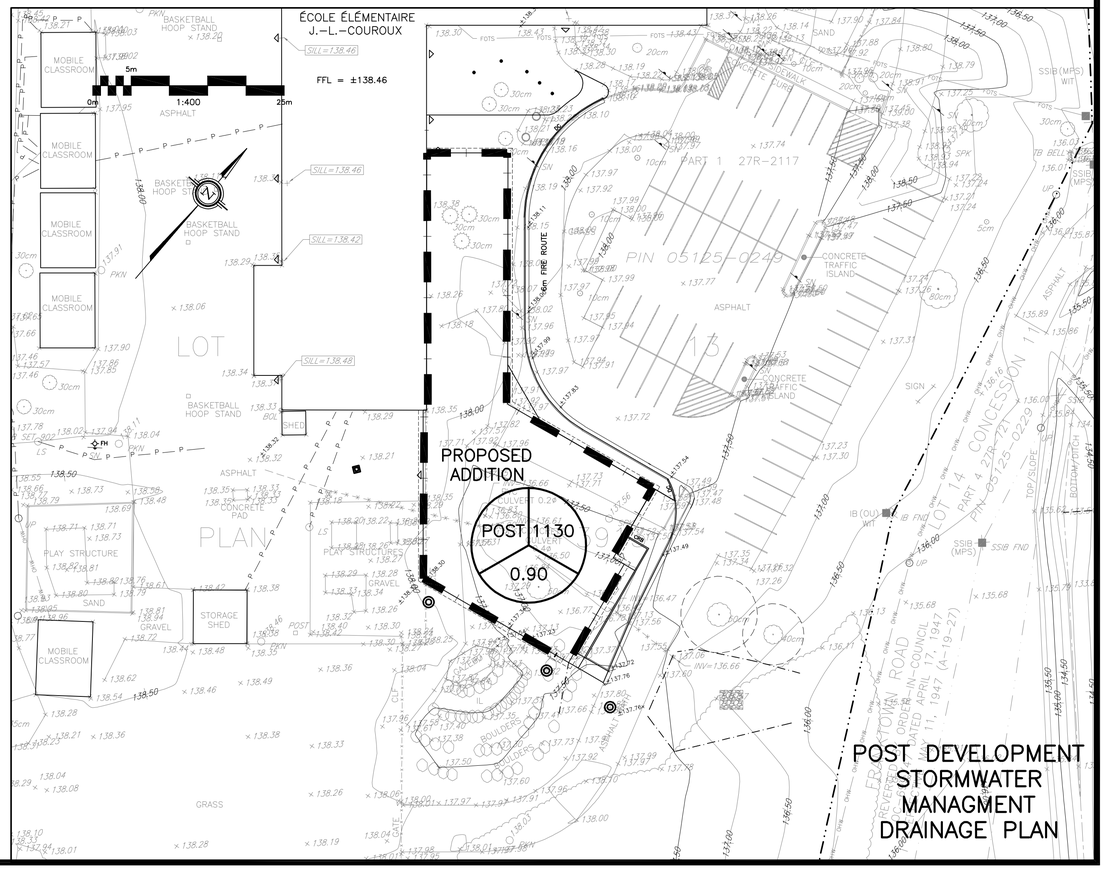
Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 29–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.
C–6
of 7







LEGEND

FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
CB	CATCH BASIN
MH	STORM MANHOLE
CB/MH	CATCH BASIN/MANHOLE
MH	SANITARY MANHOLE
FH	FIRE HYDRANT
VB	VALVE & VALVE BOX
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
INV	INVERT OF PIPE
×99.99	EXISTING GRADE ELEVATION
	CENTERLINE OF SWALE

KEY PLAN



No.	DATE	REVISION
5	MAY 29–26	ISSUED FOR TENDER / ISSUED FOR PERMIT
4	MAR 20–26	RE–ISSUED FOR SITE PLAN APPROVAL
3	DEC 18–25	DRAWING ADDED AS PER MTO's COMMENTS
2	NOV 6–25	ISSUED FOR SITE PLAN APPROVAL
1	OCT 24–25	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.

Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains

700 Long Point Circle 613-425-8044

Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED ADDITION
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.L.–COUROUX
10 FINDLAY AVENUE
CARLETON PLACE, ONTARIO

Drawing Title

DRAINAGE PLANS

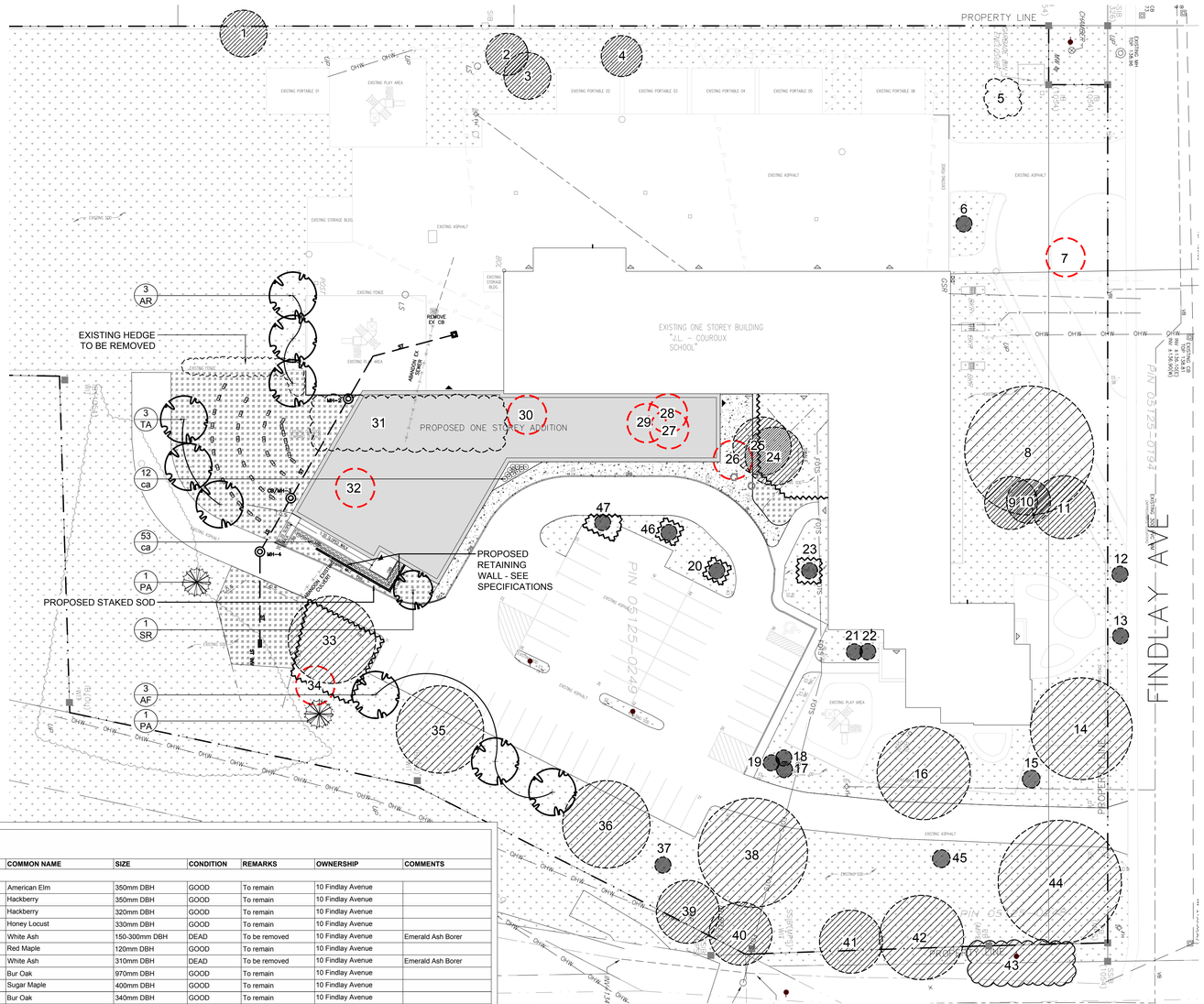
Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 29–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:400
V. Scale	
Date	OCT 24–25
Job No.	25052

Drawing No.

C–7
of 7



1 L.1 TREE CONSERVATION REPORT & LANDSCAPE PLAN
SCALE 1:400
0 5 10 15 20m

EXISTING TREE LIST

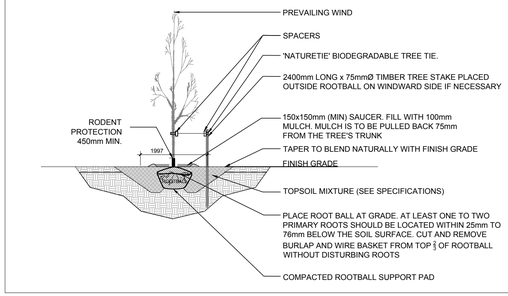
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS	OWNERSHIP	COMMENTS
1	1	*Ulmus americana*	American Elm	350mm DBH	GOOD	To remain	10 Findlay Avenue	
2	1	*Celtis occidentalis*	Hackberry	350mm DBH	GOOD	To remain	10 Findlay Avenue	
3	1	*Celtis occidentalis*	Hackberry	320mm DBH	GOOD	To remain	10 Findlay Avenue	
4	1	*Gleditsia triacanthos*	Honey Locust	330mm DBH	GOOD	To remain	10 Findlay Avenue	
5	3	*Fraxinus americana*	White Ash	150-300mm DBH	DEAD	To be removed	10 Findlay Avenue	Emerald Ash Borer
6	1	*Acer rubrum*	Red Maple	120mm DBH	GOOD	To remain	10 Findlay Avenue	
7	1	*Fraxinus americana*	White Ash	310mm DBH	DEAD	To be removed	10 Findlay Avenue	Emerald Ash Borer
8	1	*Quercus macrocarpa*	Bur Oak	970mm DBH	GOOD	To remain	10 Findlay Avenue	
9	1	*Acer saccharum*	Sugar Maple	400mm DBH	GOOD	To remain	10 Findlay Avenue	
10	1	*Quercus macrocarpa*	Bur Oak	340mm DBH	GOOD	To remain	10 Findlay Avenue	
11	1	*Quercus macrocarpa*	Bur Oak	500mm DBH	GOOD	To remain	10 Findlay Avenue	
12	1	*Acer saccharum*	Sugar Maple	170mm DBH	GOOD	To remain	Town of Carleton Place	
13	1	*Acer saccharum*	Sugar Maple	170mm DBH	GOOD	To remain	Town of Carleton Place	
14	1	*Quercus macrocarpa*	Bur Oak	800mm DBH	GOOD	To remain	10 Findlay Avenue	
15	1	*Celtis occidentalis*	Hackberry	140mm DBH	GOOD	To remain	10 Findlay Avenue	
16	1	*Acer saccharinum*	Silver Maple	700mm DBH	GOOD	To remain	10 Findlay Avenue	
17	1	*Malus spp.*	Crabapple	210mm DBH	GOOD	To remain	10 Findlay Avenue	
18	1	*Malus spp.*	Crabapple	200mm DBH	GOOD	To remain	10 Findlay Avenue	
19	1	*Malus spp.*	Crabapple	110mm DBH	FAIR	To remain	10 Findlay Avenue	
20	1	*Celtis occidentalis*	Hackberry	140mm DBH	GOOD	To remain	10 Findlay Avenue	
21	1	*Syringa reticulata*	Japanese Tree Lilac	140mm DBH	GOOD	To remain	10 Findlay Avenue	
22	1	*Syringa reticulata*	Japanese Tree Lilac	130mm DBH	GOOD	To remain	10 Findlay Avenue	
23	1	*Syringa reticulata*	Japanese Tree Lilac	110mm DBH	GOOD	To remain	10 Findlay Avenue	
24	1	*Pinus nigra*	Austrian Pine	480mm DBH	GOOD	To remain	10 Findlay Avenue	
25	1	*Pinus nigra*	Austrian Pine	440mm DBH	GOOD	To remain	10 Findlay Avenue	
26	1	*Pinus nigra*	Austrian Pine	450mm DBH	GOOD	To be removed	10 Findlay Avenue	
27	1	*Picea glauca*	White Spruce	410mm DBH	GOOD	To be removed	10 Findlay Avenue	
28	1	*Picea glauca*	White Spruce	300mm DBH	GOOD	To be removed	10 Findlay Avenue	
29	1	*Picea glauca*	White Spruce	340mm DBH	GOOD	To be removed	10 Findlay Avenue	
30	1	*Picea glauca*	White Spruce	300mm DBH	GOOD	To be removed	10 Findlay Avenue	
31	*	*Thuja occidentalis*	White Cedar Hedge	150-250mm DBH	GOOD	To be removed	10 Findlay Avenue	
32	1	*Acer saccharinum*	Silver Maple	610mm DBH	GOOD	To be removed	10 Findlay Avenue	
33	1	*Acer saccharinum*	Silver Maple	700mm DBH	GOOD	To remain	10 Findlay Avenue	
34	1	*Ulmus americana*	American Elm	520mm DBH	DEAD	To be removed	10 Findlay Avenue	
35	1	*Acer saccharinum*	Silver Maple	750mm DBH	GOOD	To remain	10 Findlay Avenue	
36	1	*Acer saccharinum*	Silver Maple	840mm DBH	GOOD	To remain	10 Findlay Avenue	
37	1	*Acer x freemanii*	Freeman's Maple	100mm DBH	GOOD	To remain	10 Findlay Avenue	
38	1	*Acer saccharinum*	Silver Maple	910mm DBH	GOOD	To remain	10 Findlay Avenue	
39	1	*Robinia pseudoacacia*	Black Locust	430mm DBH	GOOD	To remain	10 Findlay Avenue	
40	1	*Robinia pseudoacacia*	Black Locust	410mm DBH	GOOD	To remain	10 Findlay Avenue	
41	1	*Robinia pseudoacacia*	Black Locust	560mm DBH	GOOD	To remain	10 Findlay Avenue	
42	1	*Robinia pseudoacacia*	Black Locust	650mm DBH	GOOD	To remain	10 Findlay Avenue	
43	5	*Robinia pseudoacacia*	Black Locust	150-450mm DBH	GOOD	To remain	Town of Carleton Place	
44	1	*Acer saccharinum*	Silver Maple	960mm DBH	GOOD	To remain	10 Findlay Avenue	
45	1	*Acer saccharum*	Sugar Maple	170mm DBH	GOOD	To remain	10 Findlay Avenue	
46	1	*Celtis occidentalis*	Hackberry	140mm DBH	GOOD	To remain	10 Findlay Avenue	
47	1	*Celtis occidentalis*	Hackberry	140mm DBH	GOOD	To be removed	10 Findlay Avenue	

PROPOSED PLANT LIST

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	REMARKS
TREES						
AF	3	*Acer x freemanii*	Freeman's Maple	60mm CAL.	B&B	
AR	3	*Acer rubrum*	Red Maple	60mm CAL.	B&B	
PA	2	*Picea abies*	Norway Spruce	1800 mm ht.	B&B	
SR	1	*Syringa reticulata* 'Willamette'	Ivory Pillar Tree Lilac	60mm CAL.	B&B	
TA	3	*Tilia americana*	Basswood	60mm CAL.	B&B	
PERENNIALS						
ca	65	*Calamagrostis x acutiflora* 'Karl Foerster'	Karl Foerster Grass	2 ga. pot	Potted	Space 600 mm o.c

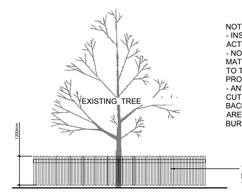
GENERAL NOTES:

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.



2 L.1 DECIDUOUS TREE PLANTING
SCALE: NTS

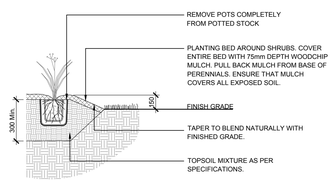
PROTECTION MEASURES TO BE TAKEN DURING CONSTRUCTION:
1. UNDER THE GUIDANCE OF AN ARBORIST, ERECT A FENCE AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETRE OF TRUNK DIAMETER AT BREAST HEIGHT. THE CRZ IS CALCULATED AS DBH X 10 CM.;
2. DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRZ OF THE TREE
3. DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
4. DO NOT RAISE OR LOWER THE EXISTING GRADE WITHIN THE CRZ WITHOUT APPROVAL;
5. TUNNEL OR BORE WHEN DIGGING WITHIN THE CRZ OF A TREE;
6. DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
7. ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARDS ANY TREE CANOPY.



NOTES:
- INSTALL FENCE PRIOR TO ANY CONSTRUCTION ACTIVITY.
- NO CONSTRUCTION ACTIVITIES INCLUDING MATERIAL STORAGE OR DISPOSAL, OR PARKING IS TO TAKE PLACE WITHIN THE DESIGNATED PROTECTION AREA.
- ANY ROOTS ENCOUNTERED, ARE TO BE CLEANLY CUT WITH A SAW OR PRUNERS (DO NOT USE BACKHOE OR OTHER HEAVY EQUIPMENT). ROOTS ARE TO BE COVERED IMMEDIATELY WITH TOPSOIL, BURLAP OR MULCH AND KEPT DAMP.

1.2m SNOW FENCE WIRED (MIN 3) TO STEEL 'T' BAR POSTS (@ 2.4m O.C. MAX.) 50 x 150 WOOD TOP RAIL BOLTED TO POSTS.

3 L.1 TREE PROTECTION FENCE
SCALE: NTS



4 L.1 ORNAMENTAL GRASS PLANTING
SCALE: NTS

CLIENT
Conseil des écoles catholiques du Centre-Est

CONSULTANTS

ARCHITECTS:
VEER ARCHITECTURE INC.
76 CHAMBERLAIN AVENUE,
OTTAWA ON, K1S 1V9
Tel : (613) 797-0047

SURVEYORS:
STANTEC GEOMATICS LTD.
1331 CLYDE AVENUE, SUITE 300
OTTAWA ON, K2C 3G4
Tel : (613) 722-4420

CIVIL ENGINEERS:
D.B. GRAY ENGINEERING INC.
700 LONG POINT CIRCLE,
Ottawa ON K1T 4E9
Tel : (613) 425-8044

LEGEND

- EXISTING TREE TO REMAIN
- GROUP OF EXISTING TREES TO REMAIN
- EXISTING TREE TO BE REMOVED
- GROUP OF EXISTING TREES TO BE REMOVED
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED ORNAMENTAL GRASSES
- EXISTING GRASS TO REMAIN
- PROPOSED SOD
- TREE PROTECTION FENCE

No.	Issue	Date MM/DD/YY	DR	CK
5	ISSUED FOR BUILDING PERMIT AND TENDER	05/29/2026	WF	JL
4	TWO CONIFERS ADDED	03/25/2026	WF	JL
3	ISSUED FOR SPA	11/06/2025	WF	JL
2	ISSUED FOR DISCUSSION AND REVIEW	10/30/2025	WF	JL
1	ISSUED FOR DISCUSSION AND REVIEW	10/06/2025	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 J.-L.-Couroux-
PROPOSED ONE STOREY ADDITION

10 FINDLAY AVENUE, CARLETON PLACE ON

DRAWING

TREE CONSERVATION REPORT AND LANDSCAPE PLAN

STAMP
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
JAMES B. LENNOX
MEMBER

SCALE
AS SHOWN

START DATE
SEPTEMBER 2025

PROJECT NO.
25MIS2553

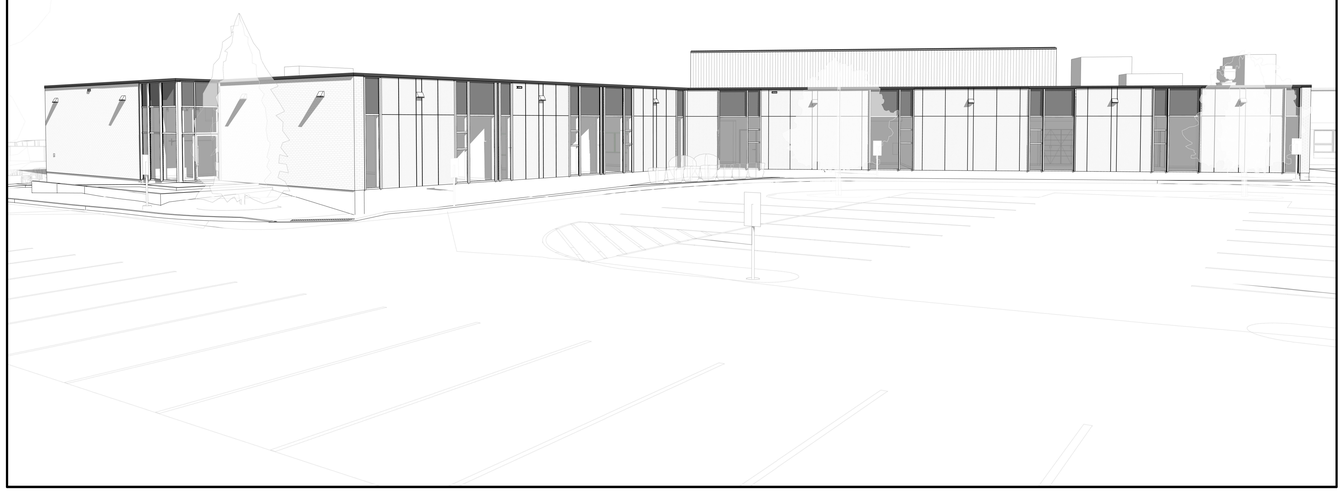
PROJECT NORTH

DRAWING NO.
L.1

PLOT SIZE ARCH-D

SCHOOL ADDITION & RENOVATION

10 FINDLAY AVE., CARLETON PLACE, ON, K7C 4K1



DRAWING SYMBOLS LEGEND

ROOM IDENTIFIER — KITCHEN / 1002 — ROOM NAME / ROOM NUMBER

ASSEMBLY IDENTIFIERS — W2 — WALL / PARTITION TYPE; R2 — ROOF / CEILING / FLOOR TYPE

BUILDING SECTION — 1 / A-1 — DETAIL NUMBER / SHEET NUMBER

ENLARGED PLAN DETAIL — 1 / A-1 — DETAIL EXTENT; DETAIL NUMBER / SHEET NUMBER

DIMENSION STYLE TO OUTSIDE FACE OF CONCRETE OR MASONRY BLOCK WALL — XX / XX / XX

DIMENSION STYLE TO FACE OF STUD PARTITION — XX / XX / XX

CEILING IDENTIFIER — D / 1300 — CEILING TYPE / CEILING HEIGHT

DATUM — LVL 100 / 250.00m

INTERIOR ELEVATION — 1 / A-1 — DETAIL NUMBER / SHEET NUMBER

SMOKE ALARM & CO DETECTORS — S.A. C.O. / S.A.

BUILDING ELEVATION — A-1 / 1 — DETAIL NUMBER / SHEET NUMBER

WALL SECTION — 1 / A00.0 — DETAIL NUMBER / SHEET NUMBER

DIMENSION FROM GRID LINE TO GRID LINE — A B C — XX XX

FLOOR DRAIN — F.D.

CURTAIN WALL TAG — CW# — CURTAIN WALL TYPE

TITLE LABEL — 1 / A00.0 / VIEW NAME– / 1 : 100 — TITLE NUMBER / TITLE / SCALE / REFERENCE PAGE LOCATION

DENOTES DIMENSION — XX

DIMENSION STYLE FROM LEVEL TO LEVEL — t.o. PARAPET 250.00m; LVL 100 240.00m

NOTE / MATERIAL TAG — 1 — REFERENCE NUMBER

DOOR TAG — 101 — DOOR NUMBER

2024 ONTARIO BUILDING CODE DATA MATRIX

PART 3: FIRE PROTECTION, OCCUPANT SAFETY & ACCESSIBILITY

NAME OF PRACTICE: VEER ARCHITECTURE

ADDRESS 1: 340 GLADSTONE AVENUE, SUITE 301

ADDRESS 2: OTTAWA, ONTARIO, K2P 0Y8

NAME OF PROJECT: ÉCOLE ÉLÉMENTAIRE CATHOLIQUE J.-L.-COUROUX

LOCATION / ADDRESS: 10 FINDLAY AVENUE, CARLETON PLACE, ON, K7C 4K1

DATE: 10-NOV-25

STAMP & SIGNATURE

ITEM		OBC REFERENCE [1]
3.00	BUILDING CODE VERSION: O. Reg. 163/24 LAST CODE AMMENDMENT: O. Reg. 447/24	
3.01	PROJECT TYPE: New Construction New school addition that is separated from the existing school by a 2-hour fire wall	[A] 1.3.3.2.
3.02	MAJOR OCCUPANCY CLASSIFICATION: OCCUPANCY: A2 Other assembly occupancies; USE: Elementary School — — — —	3.1.2.
3.03	SUPERIMPOSED MAJOR OCCUPANCIES: —	3.2.2.7.
3.04	BUILDING AREA (m²):	[A] 1.4.1.2.
	DESCRIPTION / EXISTING / NEW / TOTAL One Storey, separate building addition to existing elementary school / 2861.00 / 1016.00 / 3877.00 — / — / — / — TOTAL / 2,861.00 / 1,016.00 / 3,877.00	
3.05	GROSS AREA (m²):	[A] 1.4.1.2.
	DESCRIPTION / EXISTING / NEW / TOTAL — / 2861.00 / 1016.00 / 3877.00 — / — / — / — TOTAL / 2,861.00 / 1,016.00 / 3,877.00	
3.06	MEZZANINE AREA (m²):	[A] 1.4.1.2.
	DESCRIPTION / EXISTING / NEW / TOTAL N/A / — / — / — — / — / — / — TOTAL / — / — / —	
3.07	BUILDING HEIGHT: 1 STOREYS ABOVE GRADE, 4.75 (m) ABOVE GRADE; — STOREYS BELOW GRADE	[A] 1.4.1.2. & 3.2.1.1.
3.08	HIGH BUILDING: No	3.2.6.
3.09	NUMBER OF STREETS / FIREFIGHTER ACCESS: 3 STREET(S)	3.2.2.10. & 3.2.5.
3.10	BUILDING CLASSIFICATION: (SIZE & CONSTRUCTION RELATIVE TO OCCUPANCY) 3.2.2.25. GROUP A, DIVISION 2, UP TO 2 STOREYS — —	3.2.2.20 - 83.
3.11	SPRINKLER SYSTEM: NOT REQUIRED PROVIDED: — DESCRIBE:	3.2.1.5., 3.2.2.17., 3.2.2.18., 3.2.4.8. to 3.2.4.10. & 3.2.5.13.
3.12	STANDPIPE SYSTEM: NOT REQUIRED	3.2.9.
3.13	FIRE ALARM SYSTEM: REQUIRED TYPE PROVIDED: —	3.2.4.
3.14	WATER SERVICE / SUPPLY ADEQUATE: YES	3.2.5.7.
3.15	CONSTRUCTION TYPE (BASED ON): 3.2.2.25. HEAVY TIMBER CONSTRUCTION : No RESTRICTIONS / PERMITTED: ■ COMBUSTIBLE ☐ NON-COMBUSTIBLE ☐ BOTH ACTUAL: ☐ COMBUSTIBLE ■ NON-COMBUSTIBLE ☐ BOTH	3.2.1.4 & 3.2.2.20 - 83.
3.16	IMPORTANCE CATEGORY: LOW —	4.1.2.1.(3) & T.4.1.2.1.B.
3.17	SEISMIC CATEGORY: — SITE CLASS: — SEISMIC DESIGN REQUIRED FOR Table 4.1.8.18. items 6 to 22: REQUIRED REASON FOR REQUIREMENT: NEITHER SC1 NOR SC2	4.1.8.4.(1) T.4.1.8.5.-B 4.1.8.18.(2)
3.18	OCCUPANT LOAD: FLOOR LEVEL / AREA / OCCUPANCY TYPE / OCCUPANT LOAD (PERSONS) / BASED ON / POSTED LIMIT REQUIRED Ground Level / Classrooms / 159 / Design of Space / — — / — / — / — / — TOTAL: 159	3.1.17. & 3.1.17.1.(2)
3.19	BARRIER FREE DESIGN: — BARRIER FREE ENTRANCES: —	3.8. 3.1.8.2.
3.20	HAZARDOUS SUBSTANCES: —	3.3.1.2. & 3.3.1.19.
3.21	REQUIRED FIRE RESISTANCE RATINGS: RATING (H) / SUPPORTING ASSEMBLY (H) / NONCOMBUSTIBLE IN LIEU OF RATING? HORIZONTAL ASSEMBLY: N/A / — / — STOREYS BELOW GRADE: N/A / — / — FLOORS OVER BASEMENT: N/A / — / — FLOORS: N/A / — / — MEZZANINE: N/A / — / — ROOF: N/A / — / N/A	3.2.2.20-83., 3.2.1.2., 3.2.1.4. & 3.2.2.15.
3.22	SPATIAL SEPARATION: EXPOSING BUILDING FACE / EBF AREA (m²) / L.D. (m) / L/H OR H/L / % UPO PERMITTED / ACTUAL / REQUIRED FRR (H) / CONSTRUCTION TYPE / CLADDING TYPE NORTH / 135.0 / 8.00 / 4/1 / 48/28 / 45 MIN. / COMBUST. PERMITTED / NONCOMBUST. REQ'D EAST / 232.0 / 25.00 / 7/1 / 100/21 / 45 MIN. / COMBUST. PERMITTED / COMBUST. PERMITTED SOUTH / 87.0 / 35.00 / 5/1 / 100/30 / 45 MIN. / COMBUST. PERMITTED / COMBUST. PERMITTED WEST / 87.0 / 55.00 / 5/1 / 100/55 / 45 MIN. / COMBUST. PERMITTED / COMBUST. PERMITTED	3.2.3.
3.23	PLUMBING FIXTURE REQUIREMENTS: RATIO OF MALE : FEMALE = 50 : 50 EXCEPT AS NOTED OTHERWISE FLOOR LEVEL OR AREA / OCCUPANT LOAD (PERSONS) / OBC SENTENCE / WATER CLOSETS REQ'D / WATER CLOSETS PROVIDED / B.F. WATER CLOSETS REQ'D / PROVIDED / UNIVERSAL WASHROOMS REQ'D / PROVIDED Ground / 80 Female / 3 / 4 / 1 / 1 / 1 / 1 80 Male / 3 / 4 / 1 / 1 / 1 / 1 / / / / /	3.7.4., 3.8.2.3., TABLES 3.8.2.3.A. & 3.8.2.3.B.
3.24	ENERGY EFFICIENCY: COMPLIANCE PATH: CLIMATE ZONE: DEGREE DAYS BELOW 18 C:	12.2.1.2. SB-1 Table 2
3.25	SOUND TRANSMISSION DESIGN: IS THERE MORE THAN 1 DWELLING UNIT IN THE BUILDING?: N/A NOTES: OPTION IMPLEMENTED:	
3.26	ALTERNATIVE SOLUTIONS:	[A] 1.2.1.1. & [C] 2.1.
3.27	NOTES: [1] ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY [A] FOR DIVISION A OR [C] FOR DIVISION C	

ABBREVIATIONS

@	-	AT	INCL.	-	INCLUDED
AB	-	AIR BARRIER	INSUL.	-	INSULATION
ACT	-	ACOUSTIC CEILING TILE	INT.	-	INTERIOR
A.F.F.	-	ABOVE FINISHED FLOOR			
ALUM.	-	ALUMINUM	LTL	-	LINTEL
ANOD.	-	ANODIZED			
APPROX.	-	APPROXIMATE / APPROXIMATELY	m	-	METER
ARCH.	-	ARCHITECTURAL	mm	-	MILLIMETER
A.V	-	AIR / VAPOUR BARRIER	MANUF.	-	MANUFACTURED / MANUFACTURER
			MAT.	-	MATERIAL
B.F.	-	BARRIER FREE	MAX.	-	MAXIMUM
BLDG	-	BUILDING	MECH.	-	MECHANICAL
BM	-	BEAM	MIN.	-	MINIMUM
BTM	-	BOTTOM	MPS	-	MANUAL PULL STATION
BTWN	-	BETWEEN			
b.o.	-	BOTTOM OF	NO	-	SANITARY NAPKIN DISPOSAL
			NTS	-	NOT TO SCALE
C.C.	-	CENTRE TO CENTRE			
C.I.P.	-	CAST IN PLACE	O.B.C.	-	ONTARIO BUILDING CODE
CLG	-	CEILING	o.c.	-	ON CENTRE
C.J.	-	CONTROL JOINT	OCC.	-	OCCUPANCY
C.L.	-	CENTRE LINE	OWSJ	-	OPEN WEB STEEL JOIST
C.O.	-	CARBON MONOXIDE			
COL	-	COLUMN	PLYWD	-	PLYWOOD
CONC.	-	CONCRETE	POLY	-	POLYETHYLENE
CONST.	-	CONSTRUCTION	PP	-	PRIMED & PAINTED
CONT.	-	CONTINUOUS	PT	-	PRESSURE TREATED
CORR.	-	CORRIDOR	PTD	-	PAPER TOWEL DISPENSER
c/w	-	COMPLETE WITH	PREFIN.	-	PREFINISHED
CW	-	CURTAIN WALL	PRE-ENG	-	PRE-ENGINEERED
DF	-	DRINKING FOUNTAIN	RCP	-	REFLECTED CEILING PLAN
DIA. / ⌀	-	DIAMETER	RD	-	ROOF DRAIN
DIM.	-	DIMENSION	REINF.	-	REINFORCEMENT
DWG	-	DRAWING	REQ.	-	REQUIRED
			RM	-	ROOM
ea.	-	EACH	R.O.	-	ROUGH OPENING
ELEC.	-	ELECTRICAL	RTU	-	ROOF TOP UNIT
ELEV.	-	ELEVATION	R.W.	-	RAIN WATER
EXT.	-	EXTERIOR			
EX. / EXIST.	-	EXISTING	S.A.	-	SMOKE ALARM
EQ.	-	EQUAL	SD	-	SOAP DISPENSER
e/w	-	EACH WAY	SIM.	-	SIMILAR
			SND	-	SANITARY NAPKIN DISPENSER
FORD	-	FLOW CONTROL ROOF DRAIN	S.D.G.	-	SLAB ON GRADE
FD	-	FLOOR DRAIN	SPEC.	-	SPECIFICATION
FDC	-	FIRE DEPARTMENT CONNECTION	SQ.M.	-	SQUARE METRE
FDN	-	FOUNDATION	S.T.C.	-	SOUND TRANSMISSION CLASS
FE	-	FIRE EXTINGUISHER	STL.	-	STEEL
FEC	-	FIRE EXTINGUISHER CABINET	STRUCT.	-	STRUCTURAL
F.F.E.	-	FINISH FLOOR ELEVATION			
FHCB	-	FIRE HOSE CABINET	t.o	-	TOP OF
FIN.	-	FINISH	TYP.	-	TYPICAL
FLR	-	FLOOR	TPD	-	TOILET PAPER DISPENSER
F.R.R.	-	FIRE RESISTANCE RATING			
F.S.	-	FIRE SEPARATION	U/G	-	UNDERGROUND
FTG	-	FOOTING	U.N.O.	-	UNLESS NOTED OTHERWISE
			UR	-	URINAL
GA	-	GAUGE	u/s	-	UNDERSIDE
GALV.	-	GALVANIZED			
GB	-	GRAB BAR	VB	-	VAPOUR BARRIER
GBL	-	GRAB BAR - 'L' SHAPED	VERT.	-	VERTICAL
GC	-	GENERAL CONTRACTOR			
G.W.G.	-	GEORGIAN WIRE GLASS	w/	-	WITH
G.W.B.	-	GYPSUM WALL BOARD	W.C	-	WATER CLOSET
			W.R	-	WASHROOM
HD	-	HAND DRYER	W.W.M.	-	WELDED WIRE MESH
HGB	-	HORIZONTAL GRAB BARS			
HM	-	HOLLOW METAL	XPS	-	EXTRUDED POLYSTYRENE FOAM
HORIZ.	-	HORIZONTAL			
HR	-	HOUR			
H.S.S.	-	HOLLOW STRUCTURAL STEEL			
HT	-	HEIGHT			
HVAC	-	HEATING VENTILATION AIR CONDITIONING			

ASSEMBLIES

WALL TYPE LEGEND

EXTERIOR WALL TYPES

W-E1 / MASONRY VENEER
- 90mm MASONRY VENEER, BRICK
- 25mm AIR SPACE c/w BRICK TIES
- 2 LAYERS OF 76mm SEMI-RIGID INSULATION c/w METAL WIND BRACING WHERE POSSIBLE
- CONTINUOUS SELF-ADHERING FLEXIBLE MEMBRANE AS V BARRIER
- 16mm EXTERIOR SHEATHING
- 152mm WIND LOAD BEARING STEEL STUDS @ 400mm o.c. MAX
- 16mm GYPSUM WALL BOARD

W-E2 / CONCRETE COMPOSITE PANEL
- 13mm CONCRETE PANEL SLATS
- 50mm AIR SPACE c/w 50mm GALVANIZED STEEL HAT CHANNEL SUBGIRTS APPLIED VERTICALLY @ 600mm o.c.
- 152mm GALVANIZED STEEL Z-SHAPED BENT PLATES APPLIED HORIZONTALLY @ 600mm o.c. MAX c/w LAYERS OF 76mm RS SEMI-RIGID INSULATION
- CONTINUOUS SELF-ADHERING FLEXIBLE MEMBRANE AS V BARRIER
- 16mm EXTERIOR SHEATHING
- 152mm WIND LOAD BEARING STEEL STUDS @ GUAGE @ 400mm o.c. MAX
- 16mm GYPSUM WALL BOARD

PARAPET WALL TYPES

W-E3 / 152mm STUD PARAPET
- MATCH WALL ASSEMBLY BELOW
- 152mm METAL STUDS @ 400mm o.c. MAX.
- 16mm EXTERIOR GRADE SHEATHING / PROTECTION BOARD
- 2-PLY MODIFIED BITUMINOUS ROOF MEMBRANE

SHAFT WALL TYPES

W-E4 / 2HR F.R.R. WALL
- 25.4mm CGC SHEETROCK BRAND GLASS-MAT LINER PANELS
- 152mm 18-GAUGE C-H STUDS AT 400mm o.c. MAX
- 2 LAYERS OF 12.5mm CHC SHEETROCK BRAND FIRECODE C PANELS c/w FACE LAYER JOINTS FINISHED
- AV BARRIER MEMBRANE
- 22mm FURRING CHANNELS
- PRE-FINISHED METAL SIDING

INTERIOR WALL TYPES

W-P1 / 92mm METAL STUD PARTITION
- 16mm GYPSUM BOARD
- 92mm METAL STUDS @ 400mm o.c. MAX.
- 16mm GYPSUM BOARD

W-P2 / 152mm METAL STUD PARTITION
- 16mm TYPE 'X' GYPSUM BOARD
- 152mm METAL STUDS @ 400mm o.c. MAX.
- 16mm TYPE 'X' GYPSUM BOARD

W-P3 / 92mm METAL STUD PARTITION (GWB 1 SIDE)
- 16mm GYPSUM BOARD
- 92mm METAL STUDS @ 400mm o.c. MAX.

W-P4 / 152mm METAL STUD PARTITION (GWB 1 SIDE)
- 16mm TYPE 'X' GYPSUM BOARD
- 152mm METAL STUDS @ 400mm o.c. MAX.

W-E5 / 2HR F.R.R. WALL (ULC W452 SYSTEM B - STC 48)
- 25.4mm CGC SHEETROCK BRAND GLASS-MAT LINER PANELS
- 152mm 18-GAUGE C-H STUDS AT 400mm o.c. MAX c/w ALUMINUM BURN CLIPS 1524mm (5'-0") o.c. VERT. MAX.
- 2 LAYERS OF 12.5mm CHC SHEETROCK BRAND FIRECODE C PANELS c/w FACE LAYER JOINTS FINISHED

NOTE: PROVIDE ADDITIONAL STEEL FRAMING TO BE ATTACHED TO EXISTING SCHOOL AS REQ'D FOR THE INSTALLATION OF ALUMINUM BURN CLIPS @ 1524mm (5'-0") o.c. VERTICALLY MAXIMUM. FINAL DESIGN OF STEEL STUDS BY P.ENG

ROOF TYPE LEGEND

R-1 / MODIFIED BITUMINOUS ROOFING (NEW)
- 2-PLY MOD. BIT. ROOFING MEMBRANE
- 150mm RIGID INSULATION
- TAPERED INSULATION UP TO +150mm WHERE INDICATED
- VAPOUR BARRIER
- 13mm ROOF DECK SHEATHING
- 38mm METAL DECK - REFER TO STRUCT.
- STEEL STRUCTURE BELOW - REFER TO STRUCT.

ExR-1 / MODIFIED BITUMINOUS ROOFING (EXISTING)
- MOD. BIT. BASE & CAP SHEET MEMBRANES
- 3 LAYERS OF 50mm POLY ISO RIGID INSULATION
- TAPERED INSULATION (+150) WHERE INDICATED
- VAPOUR BARRIER
- 13mm ROOF DECK SHEATHING
- 38mm METAL DECK - REFER TO STRUCT.
- STEEL STRUCTURE BELOW - REFER TO STRUCT.

CEILING TYPE LEGEND

GYP / GYPSUM CEILING
- STRUCTURE ABOVE - REFER & COORDINATE WITH STRUCTURAL PACKAGE
- INTERSTITIAL SPACE VARIES UPON LOCATION - REFER TO SECTIONS AND DETAILS
- 16mm GYPSUM BOARD & SUSPENSION SYSTEM

LWC / WOOD SLAT CEILING
- STRUCTURE ABOVE - REFER & COORDINATE WITH STRUCTURAL PACKAGE
- INTERSTITIAL SPACE - VARIES UPON LOCATION (REFER TO MECHANICAL)
- 6" CONTINUOUS LINEAR PLANKS BY CERTAINTEED

ACT / ACOUSTIC CEILING TILES
- STRUCTURE ABOVE - REFER & COORDINATE WITH STRUCTURAL PACKAGE
- INTERSTITIAL SPACE - VARIES UPON LOCATION (REFER TO MECHANICAL)
- ACOUSTIC CEILING TILE SUSPENSION SYSTEM
- 600x1200mm ACOUSTIC CEILING TILES

GENERAL CONSTRUCTION NOTES

1. EXCEPT WHERE INDICATED OTHERWISE, ALL WALLS AND PARTITIONS SHALL EXTEND FROM FLOOR SLAB TO THE UNDERSIDE OF THE STEEL ROOF DECK ABOVE. MAINTAIN MINIMUM 25mm GAP AT TOP OF WALL TO ALLOW FOR ROOF DEFLECTION. PACK GAP BETWEEN TOP OF WALL AND METAL DECK WITH FIRE STOPPING AS REQUIRED. SEE SPECIFICATIONS.
2. WHERE WALLS CANNOT BE EXTENDED TO THE UNDERSIDE OF STEEL DECK, DUE TO INTERFERING STEEL MEMBERS, AN INSULATED DRYWALL ENCLOSURE WALL SHALL BE CONSTRUCTED USING MIN. 2 LAYERS 16mm TYPE 'X' GYPSUM BOARD ON METAL FURRING 400mm ON CENTER ENVELOPING THE INTERFERING STEEL MEMBER. THE ENCLOSURE SHALL BE CONSTRUCTED AND INSULATED TO PROVIDE THE SAME FIRE AND SOUND PERFORMANCE AS THE WALL BELOW.
3. INCREASE WALL THICKNESS LOCALLY FOR FULL HEIGHT OF WALL TO SUIT INSTALLATION OF MECHANICAL, ELECTRICAL, AND STRUCTURAL WORK.
4. FRAMING OPENINGS IN DRYWALL PARTITIONS SHALL COMPLY WITH ULC TEST DESIGNS
5. IN ADDITION TO SPECIFIC LOCATIONS IDENTIFIED BY "DRAWING NOTES" OR ELSEWHERE SHOWN OR NOTED ON DRAWINGS, WALLS AND PARTITIONS SHALL BE CONSTRUCTED OVER AND UNDER ALL OPENINGS FOR DOORS, WINDOWS, GLAZED METAL SCREENS AND OPENINGS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL ITEMS EQUAL TO THAT OF THE WALL CONSTRUCTION SHOWN ON EITHER SIDE OF THE OPENING. PROVIDE LINTELS TO SUIT OPENINGS.
6. 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.
7. FIRE RATED WALL 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.
8. IN DRYWALL CONSTRUCTION: PROVIDE REINFORCING OF METAL STUDS WITH PLYWOOD (UNLESS OTHERWISE NOTED OR SPECIFIED) FOR THE SUPPORTING OF, INCLUDING BUT NOT LIMITED TO; MILLWORK UNITS, GRAB BARS, SHELF PILASTERS, COAT HOOKS, ETC.
9. CAULK AT PERIMETER OF ALL DRYWALL PARTITIONS. FIRE-RATED CAULK/FOAM IN RETURN AIR PLENUMS.
10. UNLESS NOTED OTHERWISE, AT EVERY DOOR OPENING PROVIDE A WALL ASSEMBLY THE SAME AS THE WALL IT IS INSTALLED IN.
11. ROOFING CONTRACTOR SHALL PROVIDE FOAM INSULATION ON ROOF SIDE OF METAL DECK FLUTES AT EXT. RECESSED ENTRANCES AS REQ'D. – THE INSULATION SHALL EXTEND A MIN. 300mm ON EACH SIDE OF THE WALL BELOW.
12. IN THE EVENT OF DISCREPANCIES IN THE QUANTITY AND TYPE OF MECHANICAL AND 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 ARE NOT SHOWN ON THE ARCHITECTURAL DRAWINGS.
13. ENSURE CONTINUITY OF FIRE RATINGS BEHIND ALL BUILT-IN MECHANICAL AND ELECTRICAL WORK. SEE ALSO ELECTRICAL DRAWINGS FOR ELECTRICAL PANEL LOCATIONS.
14. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF FINISH WALL UNLESS OTHERWISE INDICATED.

MATERIAL HATCHES

- CONCRETE / CEMENT
- EXTERIOR GRADE SHEATHING
- PT EXTERIOR GRADE PLYWOOD
- SPRAY FOAM INSULATION
- GYPSUM FINISH - REFER TO ASSEMBLIES
- BRICK
- BATT INSULATION

SHEET LIST

PG #	SHEET NAME
A-000	COVER PAGE
A-001	SITE PLAN - DEMOLITION
A-002	SITE PLAN
A-101	GROUND FLOOR PLAN
A-102	DEMOLITION PLANS & ELEVATIONS
A-103	PARTIAL & ENLARGED GROUND FLOOR PLANS
A-104	GROUND FLOOR SLAB EDGE PLAN
A-105	REFLECTED CEILING PLANS
A-106	ROOF PLAN & ROOF DETAILS
A-201	ELEVATIONS & SCHEDULES
A-301	BUILDING SECTIONS
A-401	WALL SECTIONS & DETAILS
A-501	DETAILS
A-601	MILLWORK & FLOOR FINISH PLAN
A-602	MILLWORK ELEVATIONS & DETAILS
A-603	MILLWORK ELEVATIONS

CONSULTANTS

ARCHITECT
VEER ARCHITECTURE

STRUCTURAL ENGINEER
BPA

MECHANICAL / ELECTRICAL ENGINEER
BPA

CIVIL ENGINEER
D.B. GRAY ENGINEERING

LANDSCAPE ARCHITECT
J.B. LENNOX & ASSOCIATES

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL — ONTARIO ASSOCIATION OF ARCHITECTS — JAN MICHAEL VEER — LICENCE 6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

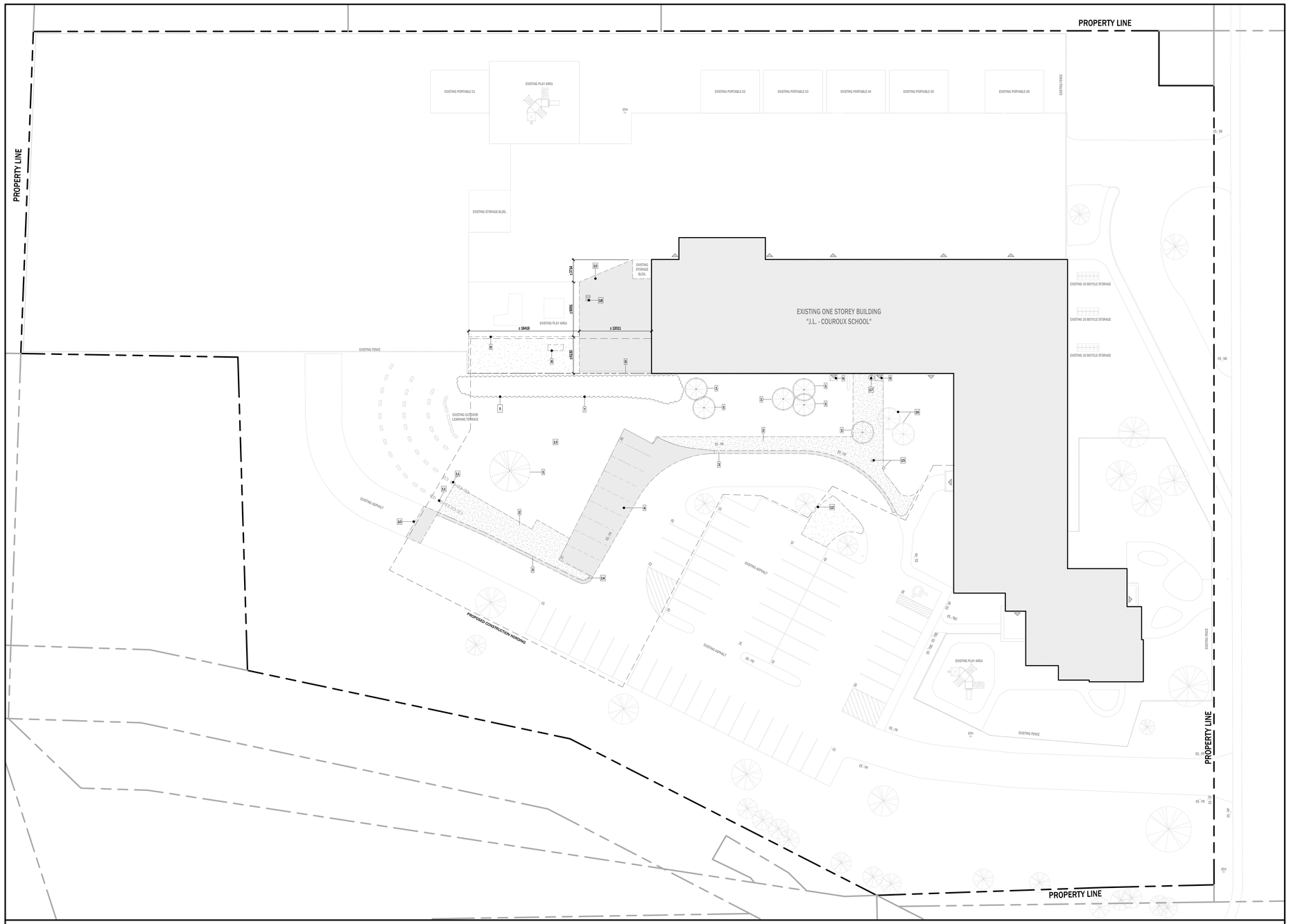
Conseil des écoles catholiques du Centre-Est

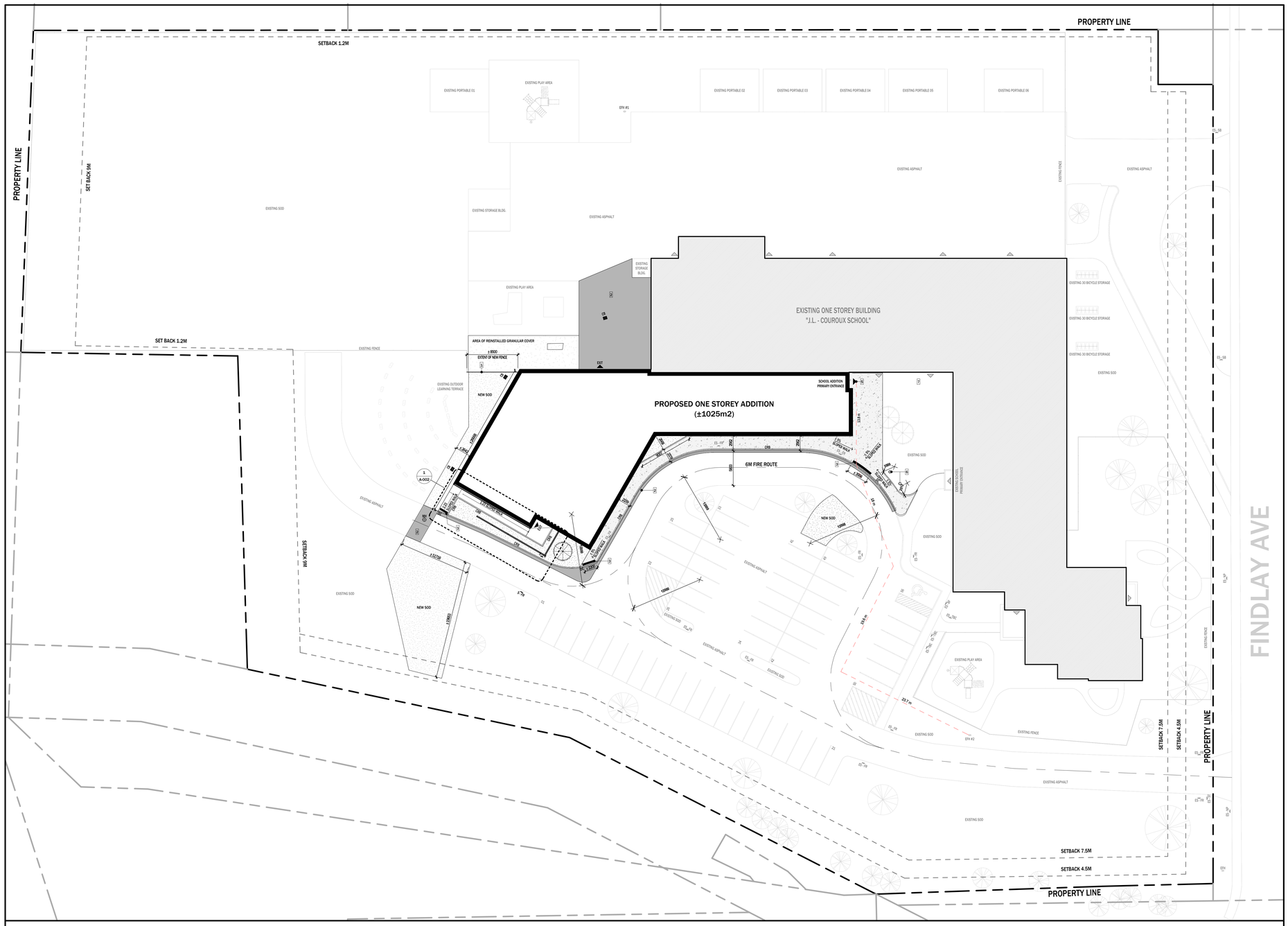
10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

COVER PAGE

DATE: 5/29/2026 2:15:39 PM	PROJECT NO.: 2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.: A-000
REVIEWED BY: JV	


PROPERTY LINE
PROPERTY LINE
PROPERTY LINE
EXISTING PORTABLE 01
EXISTING PLAY AREA
EXISTING PORTABLE 02
EXISTING PORTABLE 03
EXISTING PORTABLE 04
EXISTING PORTABLE 05
EXISTING PORTABLE 06
EXISTING FENCE
EXISTING STORAGE BLDG.
EXISTING ONE STOREY BUILDING
"J.L. - COUROUX SCHOOL"
EXISTING STORAGE BLDG.
EXISTING PLAY AREA
EXISTING FENCE
EXISTING OUTDOOR LEARNING TERRACE
EXISTING ASPHALT
PROPOSED CONSTRUCTION HOARDING
EXISTING ASPHALT
EXISTING PLAY AREA
EXISTING FENCE
EXISTING 30 BICYCLE STORAGE
EXISTING 30 BICYCLE STORAGE
EXISTING 30 BICYCLE STORAGE
EXISTING FENCE
± 17.14
± 9.05
± 18.418
± 32.011
± 14.52
ES - PR
ES - SB
ES - TBC
ES - SP
ES - SB
ES - SP
ES - PR
ES - PR
ES - PR



SITE PLAN
1 : 250



SITE KEYPLAN
NTS

LEGEND

- NEW BUILDING ENTRY / EXIT
- EXISTING BUILDING ENTRY / EXIT
- DC — DEPRESSED CURB
- CRB — NEW CONCRETE CURB
- EFH — EXISTING FIRE HYDRANT
- ECB — EXISTING CATCH BASIN
- AREA OF NEW ASPHALT
- AREA OF NEW CONCRETE SIDEWALK
- AREA OF NEW LANDSCAPING - REFER TO LANDSCAPE DRAWINGS
- EXISTING FENCE
- NEW FENCE
- EXISTING CONIFEROUS TREE - REFER TO LANDSCAPE DRAWINGS
- NEW CONIFEROUS TREE - REFER TO LANDSCAPE DRAWINGS
- EXISTING DECIDUOUS TREE - REFER TO LANDSCAPE DRAWINGS
- NEW DECIDUOUS TREE - REFER TO LANDSCAPE DRAWINGS

SIGNAGE LEGEND

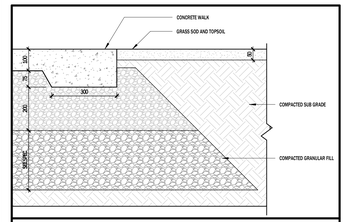
- ES - FR — EXISTING FIRE ROUTE SIGN
- ES - ST — EXISTING STOP SIGN
- ES - NP — EXISTING NO PARKING SIGN
- ES - SB — EXISTING SCHOOL BUS LOADING ZONE SIGN
- ES - BF — EXISTING HANDICAP PARKING SIGN
- S - FR — NEW FIRE ROUTE SIGN

GENERAL NOTES

1. WITHIN CONCRETE WALKS, PROVIDE EXPANSION JOINTS @ 5000mm - 6000mm. PROVIDE CONTROL JOINTS @ 2000mm - 3000mm.
2. SLOPES OF CONCRETE SHALL NOT EXCEED 5% (1:20).
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE AND COORDINATE ALL DOCUMENTS.
4. REPAIR AND REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO: SIDEWALKS, DRIVEWAYS, BUS DROP OFF AREAS, SOD, ETC.
5. REFER TO CIVIL DRAWINGS FOR EXTENT OF ASPHALT REGRADING AND REPLACEMENT.
6. REFER TO LANDSCAPE DRAWINGS FOR EXTENT OF SOD REINSTATEMENT.
7. REFER TO LANDSCAPE DRAWINGS FOR TREES AND VEGETATION INSTALLATION.
8. AT AREA OF NEW ASPHALT & PAVING (SEE LEGEND) PROVIDE NEW PAINTED LINES FOR PARKING SPACES. AT BARRIER FREE PARKING SPACE, PROVIDE PAINTED LINES AS INDICATED.

DRAWING NOTES

1. NEW CHAIN LINK FENCE TO MATCH AND TIE INTO EXISTING FENCE
2. NEW ASPHALT.
3. EDGE OF DEPRESS CURB TO BE NOT MORE THAN 10mm HIGHER THAN ASPHALT. INSTALL 300mm DEEP TACTILE ATTENTION INDICATORS.
4. EXISTING FIRE DEPARTMENT HYDRANT.
5. ACCESSIBLE ENTRANCE TO NEW ADDITION.
6. REINSTATE EXISTING FLAG POLES c/w NEW CONCRETE FOOTINGS.
7. NEW ROOF DRAIN DISCHARGE.



5 A-002 CONC. WALK @ LANDSCAPING
1 : 10

REV.	DESCRIPTION	DATE
01	ISSUED FOR S.P.A.	2025-11-07
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

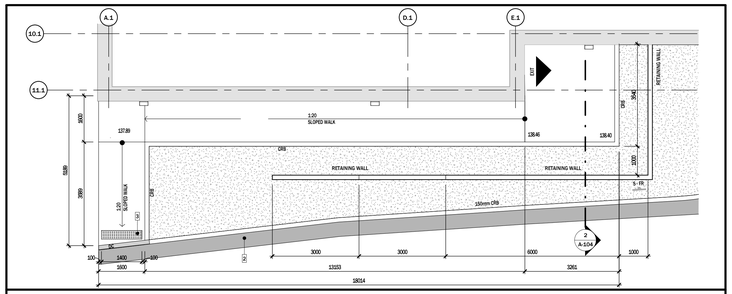
MECHANICAL + ELECTRICAL

BPA

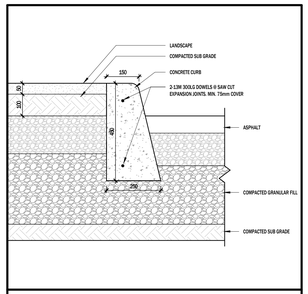
STRUCTURAL

ZONING INFORMATION - TOWN OF CARLETON PLACE DEVELOPMENT PERMIT BY-LAW NO. 53-2025

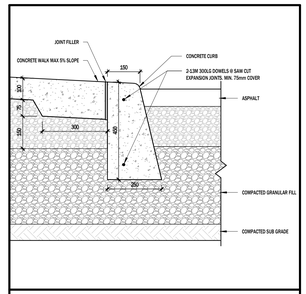
ITEM	REQUIRED / PERMITTED	EXISTING	PROPOSED
ZONE	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL
USE	SEE SECTION 4.8.1	SCHOOL	SCHOOL
LOT AREA (min.)	NO MINIMUM	22653.72 m2	22653.72 m2
LOT COVERAGE (max.)	35%	± 12.6% ±2852.60 m2	± 17.1% ± 3877.60 m2
LOT FRONTAGE (min.)	15 m	142.4 m	142.4 m
SETBACKS			
FRONT YARD	4.5 m min. & 7.5 m max.		
EXTERIOR SIDE YARD	4.5 m min. & 7.5 m max.		
INTERIOR SIDE YARD	3 m MIN. ABUTTING RESIDENTIAL USE 1.2 m ABUTTING ANY OTHER USE		
REAR YARD (min.)	9 m		
BUILDING HEIGHT (max)	22 m	7.6 m	4.75m
PARKING			
VEHICLE PARKING	2 SPACES PER CLASSROOM	15 CLASSROOMS 30 REQUIRED 65 SPACES PROVIDED	24 CLASSROOMS 48 SPACES REQUIRED 56 SPACE PROVIDED
BICYCLE PARKING	1 SPACE PER 20 m2 OF CLASSROOM PLUS 1 SPACE PER 800 m2 OF OFFICE AREA; OR 10 SPACES, WHICHEVER IS GREATER	3 EXISTING BICYCLE RACKS WITH A CAPACITY TO HOLD 90 BICYCLES.	REQUIRED: 48 EXIST + 33 NEW = 81 EXISTING RACKS = 90
NOTES			



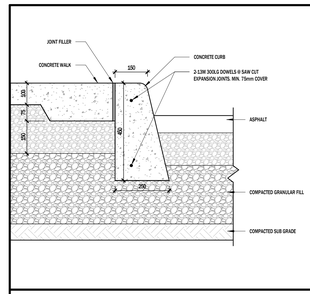
1 A-002 ENLARGED PLAN - SLOPED WALK
1 : 75



2 A-002 CONC. CURB @ LANDSCAPING
1 : 10



3 A-002 DEPRESSED CONC. CURB @ CONC. WALK
1 : 10



4 A-002 CONC. CURB @ CONC. WALK
1 : 10

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

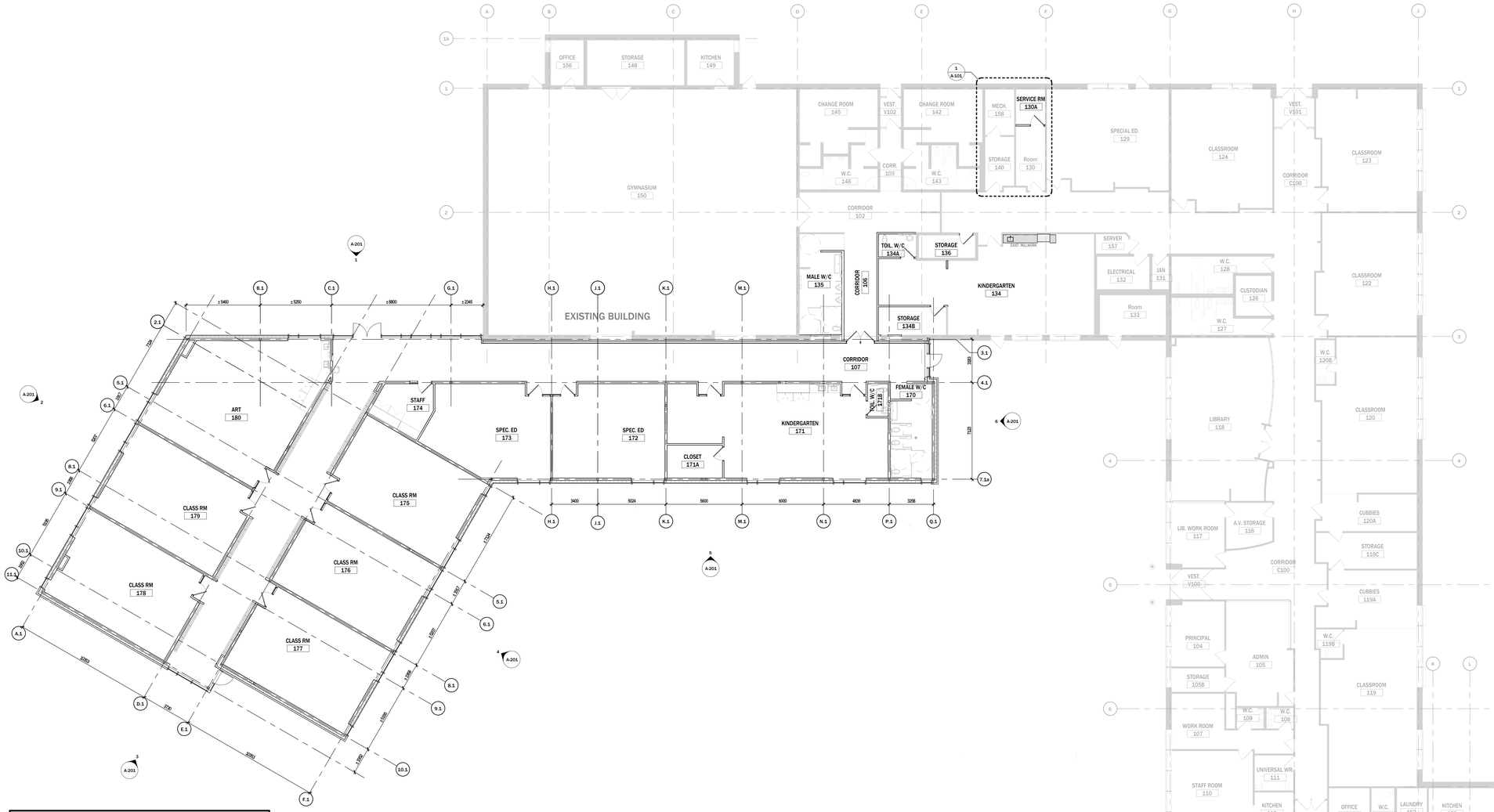
Conseil des écoles catholiques du Centre-Est

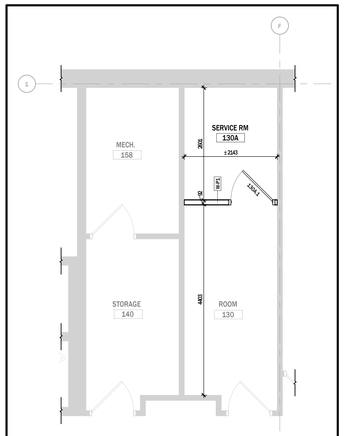
10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

SITE PLAN

DATE: 5/29/2026 2:15:45 PM	PROJECT NO.: 2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.: A-002
REVIEWED BY: JV	





1 A-101 ENLARGED PLAN - SERVICE ROOM
1 : 50

GROUND FLOOR KEY PLAN
1 : 125

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE 6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

GROUND FLOOR PLAN

DATE	PROJECT NO.
5/29/2026 2:15:47 PM	2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.
REVIEWED BY: JV	A-101



GROUND FLOOR PLAN - DEMOLITION

1 : 100

DRAWING NOTES

1. DOOR & FRAME TO BE DEMOLISHED
2. WALL TO BE DEMOLISHED
3. WINDOW UNIT & BRICK VENEER BASE TO BE DEMOLISHED
4. SAWCUT & REMOVE EXISTING BRICK & WALL ASSEMBLY TO EXISTING A.V. BARRIER - REFER TO NEW CONSTRUCTION PLAN & DETAILS

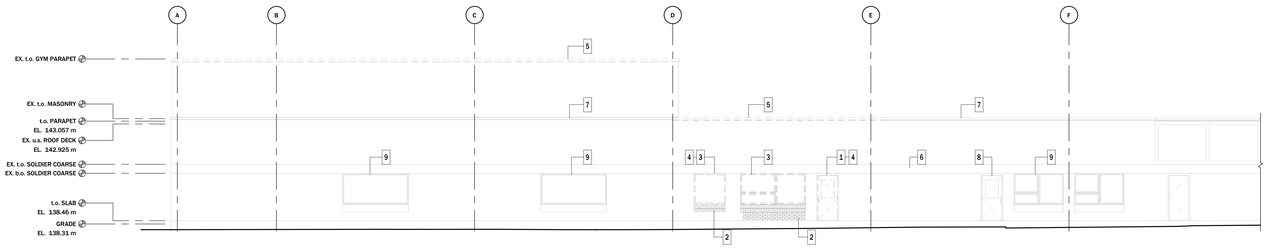


REFLECTED CEILING PLAN - DEMOLITION

1 : 100

DRAWING NOTES

1. TEMPORARY REMOVE ACOUSTIC CEILING TILES FROM EXISTING SUSPENDED CEILING SYSTEM TO ALLOW FOR PUMPING WORK. SAFELY STORE AND REINSTATE ONCE COMPLETE.
2. DEMOLISH EXISTING SUSPENDED CEILING SYSTEM AND CEILING TILES TO BE REMOVED
3. DEMOLISH EXISTING SUSPENDED GYPSUM CEILING



EAST ELEVATION - DEMOLITION

5 / A-102 — 1 : 100

DRAWING NOTES

1. DOOR & FRAME TO BE DEMOLISHED.
2. WALL TO BE DEMOLISHED
3. WINDOW UNIT & BRICK VENEER BASE TO BE DEMOLISHED
4. INFILL OPENING
5. EX. PARAPET CAP FLASHING TO BE REMOVED AND REPLACED AS REQUIRED FOR NEW SHAFT WALL. WHERE APPLICABLE, TIE NEW PARAPET CAP INTO REMAINING EX. CAP
6. EX. PERIMETER BRICK RECESS
7. EX. PARAPET CAP FLASHING TO REMAIN
8. DOOR & FRAME TO REMAIN
9. PROTECT EXISTING WINDOW

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

DEMOLITION PLANS & ELEVATIONS

DATE: 5/29/2026 2:15:49 PM	PROJECT NO.: 2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.: A-102
REVIEWED BY: JV	

GENERAL NOTES

1. ALL NEW FLOOR TO BE INSTALLED IN ADDITION AND RENOVATION TO BE VINYL COMPOSITE FLOORING.
2. PROVIDE CONTINUOUS BLOCKING IN STUD WALLS (AS APPLICABLE) FOR ALL WASHROOM ACCESSORY AND MILLWORK BACKING SUPPORT. TYPICAL IN ALL LOCATIONS.
3. REFER TO SHEET A-000 FOR APPLICABLE WALL ASSEMBLIES.
4. REFER TO SHEET A-601 FOR MILLWORK LOCATIONS AND SIZING.

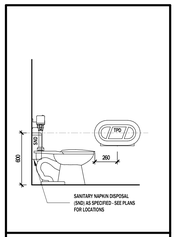
ACCESSORY DESIGN REQUIREMENTS

BARRIER-FREE ENTRY DOOR ASSEMBLY NOTES:

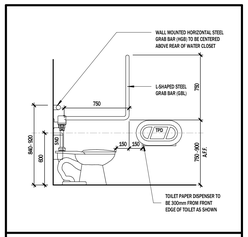
1. ENSURE A MAXIMUM DIFFERENCE IN ELEVATION OF 13mm TO ACCOMMODATE BARRIER-FREE ACCESSIBILITY INTO THE FACILITY AT BUILDING ENTRIES NOTED TO HAVE PUSH BUTTONS. USE DESIGNATED BARRIER-FREE DOOR SILL.

NOTES:

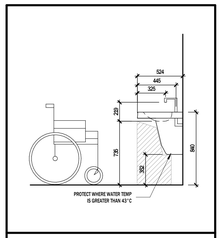
1. WORK & ACCESSORIES REQUIRED FOR WASHROOM:
   a. INSULATE WASTE & HOT WATER SUPPLY PIPING AT U/S OF LAVATORY AS REQ'D.
   b. WALL HUNG LAVATORY SHALL BE EQUIPPED WITH APPROVED "WING-HANDLED" TRIM.
   c. MOUNT ALL FIXTURES AND ACCESSORIES AS PER TYP. MOUNTING HEIGHTS & WASHROOM STALL LEGENDS.
   d. ENSURE MINIMUM 600mm CLEARANCE FROM JAMB TO IN-SWING OF DOORS.
   e. ENSURE MINIMUM 300mm CLEARANCE FROM JAMB TO OUT-SWING OF DOORS.
2. GRAB BARS FOR ACCESSIBLE WASHROOM AND STALLS:
   a. 750mm x 750mm CONTINUOUS L SHAPED GRAB BAR TO BE LOCATED 750mm A.F.F. AND 150mm FROM THE FRONT OF THE W/C (PROVIDE BLOCKING IN WALL AS REQ'D). GRAB BAR TO COMPLY WITH OBC 3.8.3.8.(7).
   b. 600mm (MIN.) HORIZONTAL GRAB BAR TO BE LOCATED 2'-0" to 3'-0" (640mm-920mm) A.F.F. (PROVIDE BLOCKING IN WALL AS REQ'D). GRAB BAR TO COMPLY WITH OBC 3.8.3.8.(7)



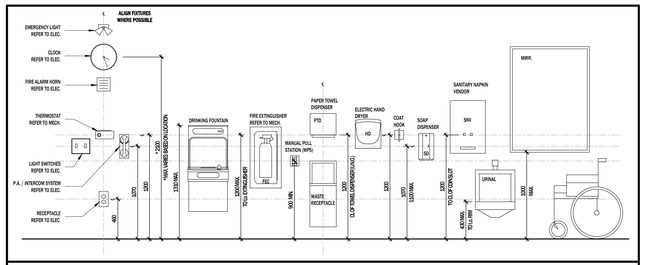
1 TYP. W/C STALL
1 : 25



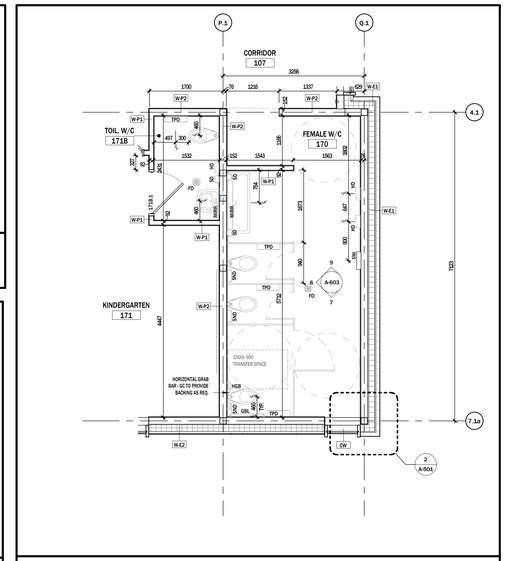
2 TYP. ACCESSIBLE W/C STALL
1 : 25



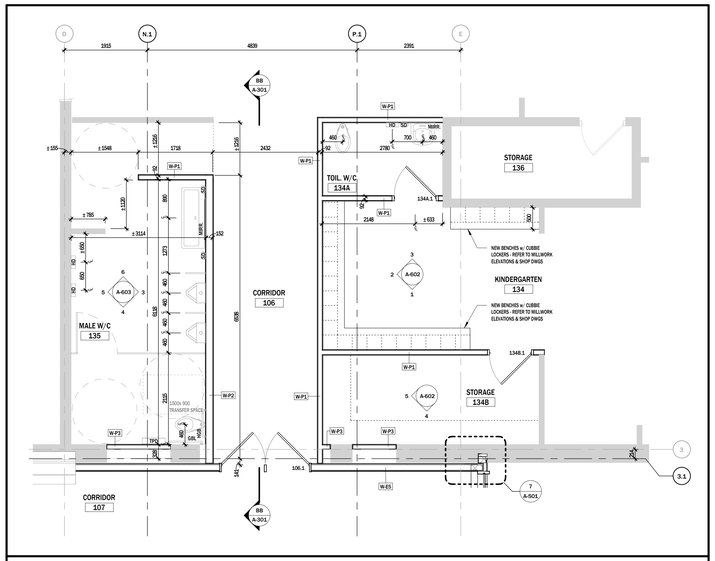
3 LAV. CLEARANCES
1 : 25



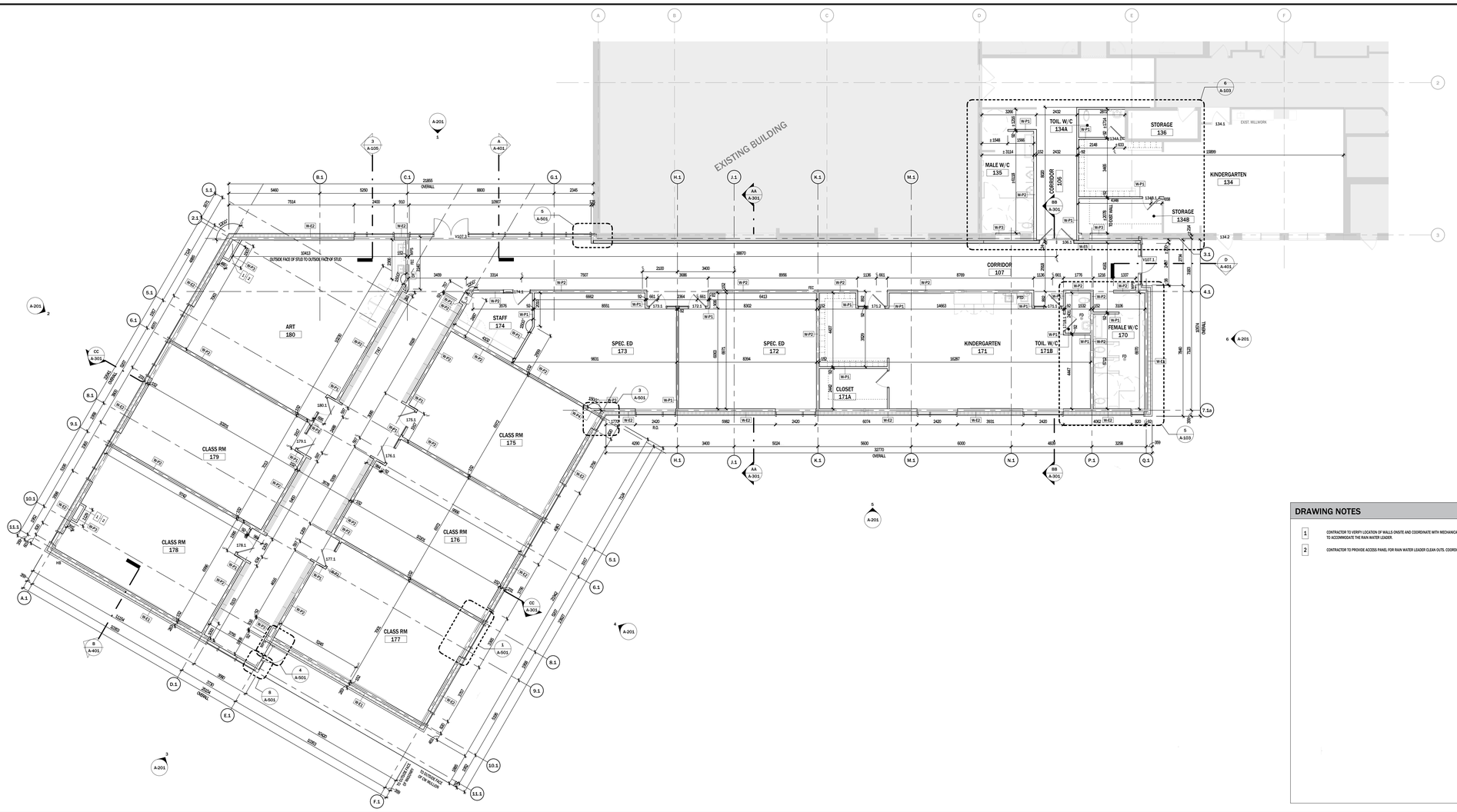
4 TYP. MOUNTING HEIGHTS
1 : 25



5 A-103 ENLARGED PLAN - ADDITION W/C
1 : 50



6 A-103 ENLARGED PLAN - RENOVATION W/C
1 : 50



PARTIAL GROUND FLOOR PLAN
1 : 100

DRAWING NOTES

1. CONTRACTOR TO VERIFY LOCATION OF WALLS ONSITE AND COORDINATE WITH MECHANICAL AND ELECTRICAL AS REQUIRED TO ACCOMMODATE THE RAIN WATER LEADER.
2. CONTRACTOR TO PROVIDE ACCESS PANEL FOR RAIN WATER LEADER CLEAN OUTS. COORDINATE ONSITE.

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

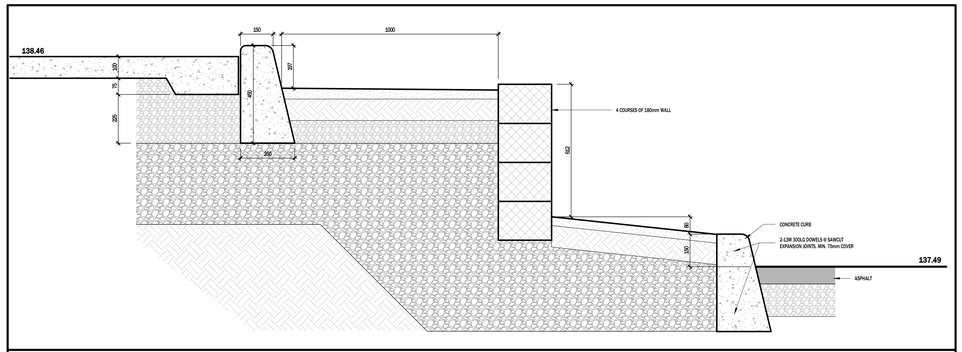
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON. K7C 4K1

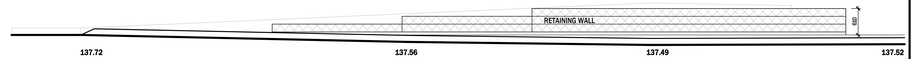
DRAWING TITLE

PARTIAL & ENLARGED GROUND FLOOR PLANS

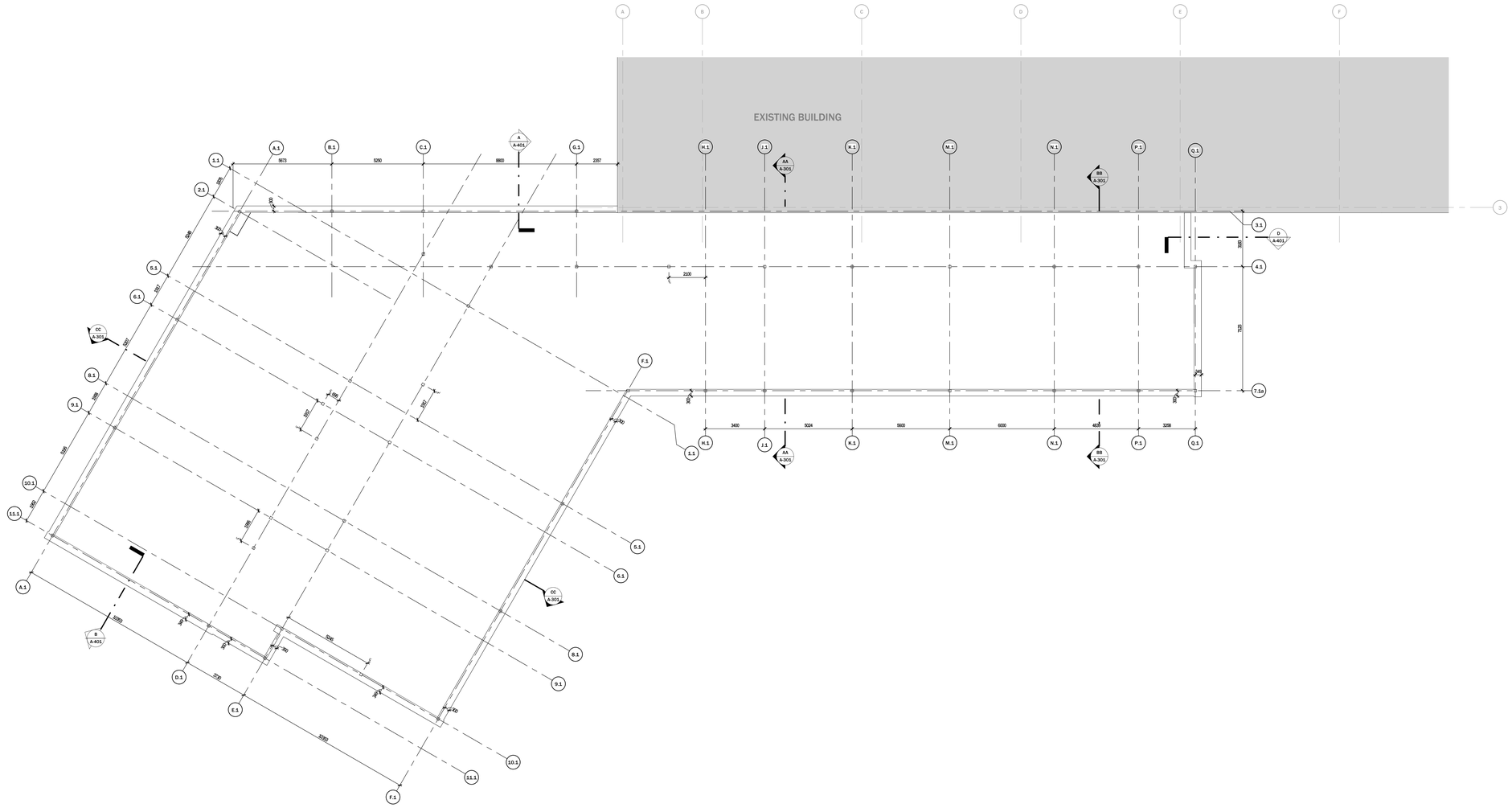
DATE	PROJECT NO.
5/29/2026 2:15:52 PM	2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO. A-103
REVIEWED BY: JV	



2 SECTION @ RETAINING WALL
1 : 10



1 RETAINING WALL ELEVATION
1 : 50



PARTIAL GROUND FLOOR SLAB EDGE PLAN
1 : 100

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

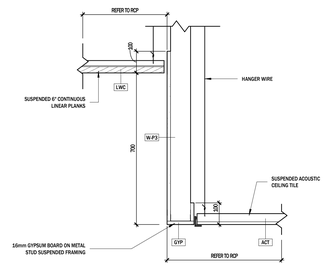
DRAWING TITLE

GROUND FLOOR SLAB EDGE PLAN

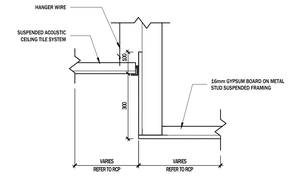
DATE 5/29/2026 2:15:53 PM	PROJECT NO. 2025 07
SCALE As indicated	
DRAWN BY LV	DRAWING NO. A-104
REVIEWED BY JV	

GENERAL NOTES

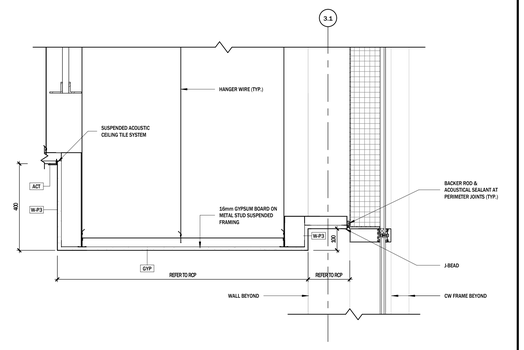
1. IN THE EVENT OF DISCREPANCIES FOR THE LOCATION OF MECHANICAL OR ELECTRICAL ITEMS TO BE INCORPORATED, THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
2. IN THE EVENT OF DISCREPANCIES IN THE QUANTITY AND TYPE OF MECHANICAL, ELECTRICAL ITEMS TO BE INCORPORATED, MECHANICAL AND ELECTRICAL DRAWINGS SHALL GOVERN. 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 THE 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 CEILING TILE CEILING UNLESS NOTED OTHERWISE.
5. SEE FLOOR PLANS AND SHEET A-200 FOR ADDITIONAL TYPICAL NOTES. REFER ALSO TO DOOR SCHEDULE FOR FRAME INSTALLATION DETAILS AND WALL CONSTRUCTION ABOVE OPENINGS.
6. INSTALL 12mm REVEAL MOLDINGS AT JUNCTIONS BETWEEN DRYWALL SOFFITS & BULKHEADS, ALL DISSIMILAR MATERIALS, STEEL COLUMNS, PENETRATIONS, BRICK, BLOCK WALLS, AND ALUMINUM WINDOW/ CURTAIN WALL FRAMING.



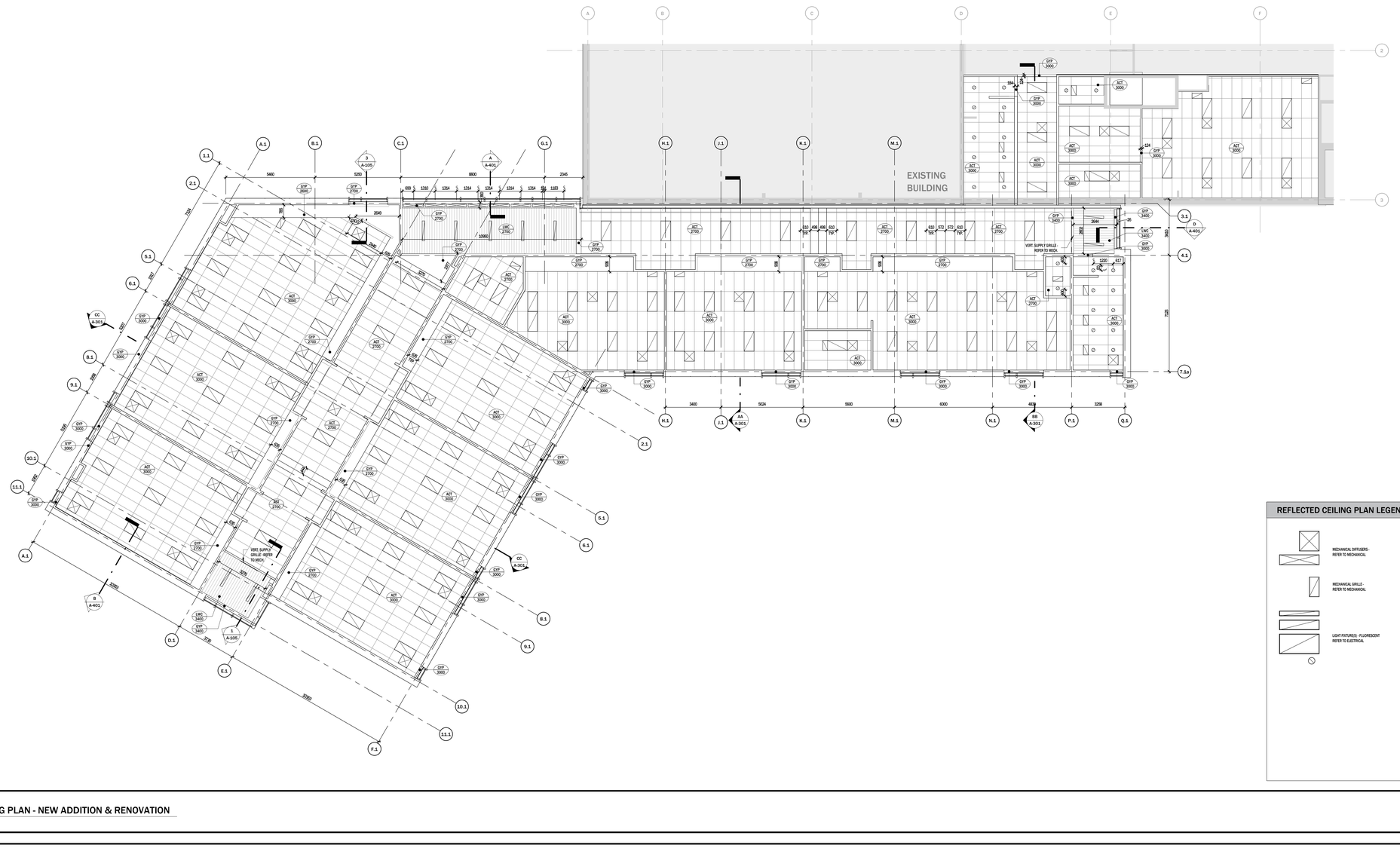
1 CORRIDOR CEILING TRANSITION DETAIL
A-105 1 : 10



2 TYP. BULKHEAD DETAIL
A-301 1 : 10



3 BULKHEAD IN ROOM 180 @ CURTAIN WALL
A-103 1 : 10



REFLECTED CEILING PLAN - NEW ADDITION & RENOCATION
1 : 100

REFLECTED CEILING PLAN LEGEND

MECHANICAL DIFFUSERS - REFER TO MECHANICAL

MECHANICAL GRILLE - REFER TO MECHANICAL

LIGHT FIXTURE(S) - FLUORESCENT REFER TO ELECTRICAL

CL -1300 — DENOTES CEILING TYPE / DENOTES ELEVATION ABOVE FLOOR

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

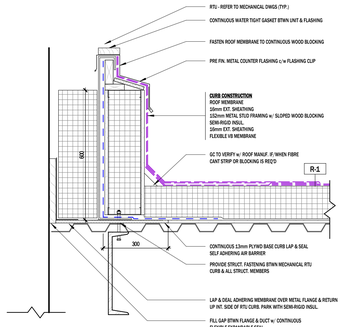
STRUCTURAL

PROJECT NAME
École élémentaire catholique J.-L.-Couroux (2025JLC117)
Conseil des écoles catholiques du Centre-Est

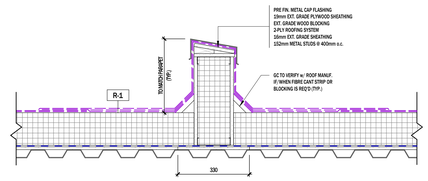
10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE
REFLECTED CEILING PLANS

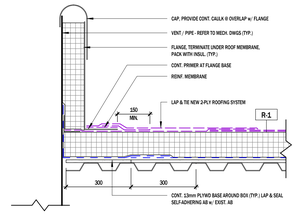
DATE 5/29/2026 2:15:55 PM	PROJECT NO. 2025 07
SCALE As indicated	
DRAWN BY LV	DRAWING NO. A-105
REVIEWED BY JV	



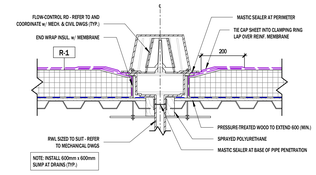
1 **TYP. MECHANICAL CURB DETAIL (RTU, EXHAUST FAN)**
1 : 10



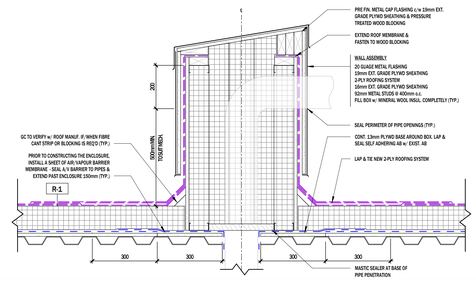
2 **TYP. ROOF CONTROL JOINT CURB DETAIL**
1 : 10



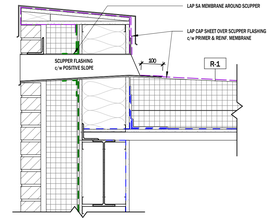
3 **TYP. ROOF VENT DETAIL**
1 : 10



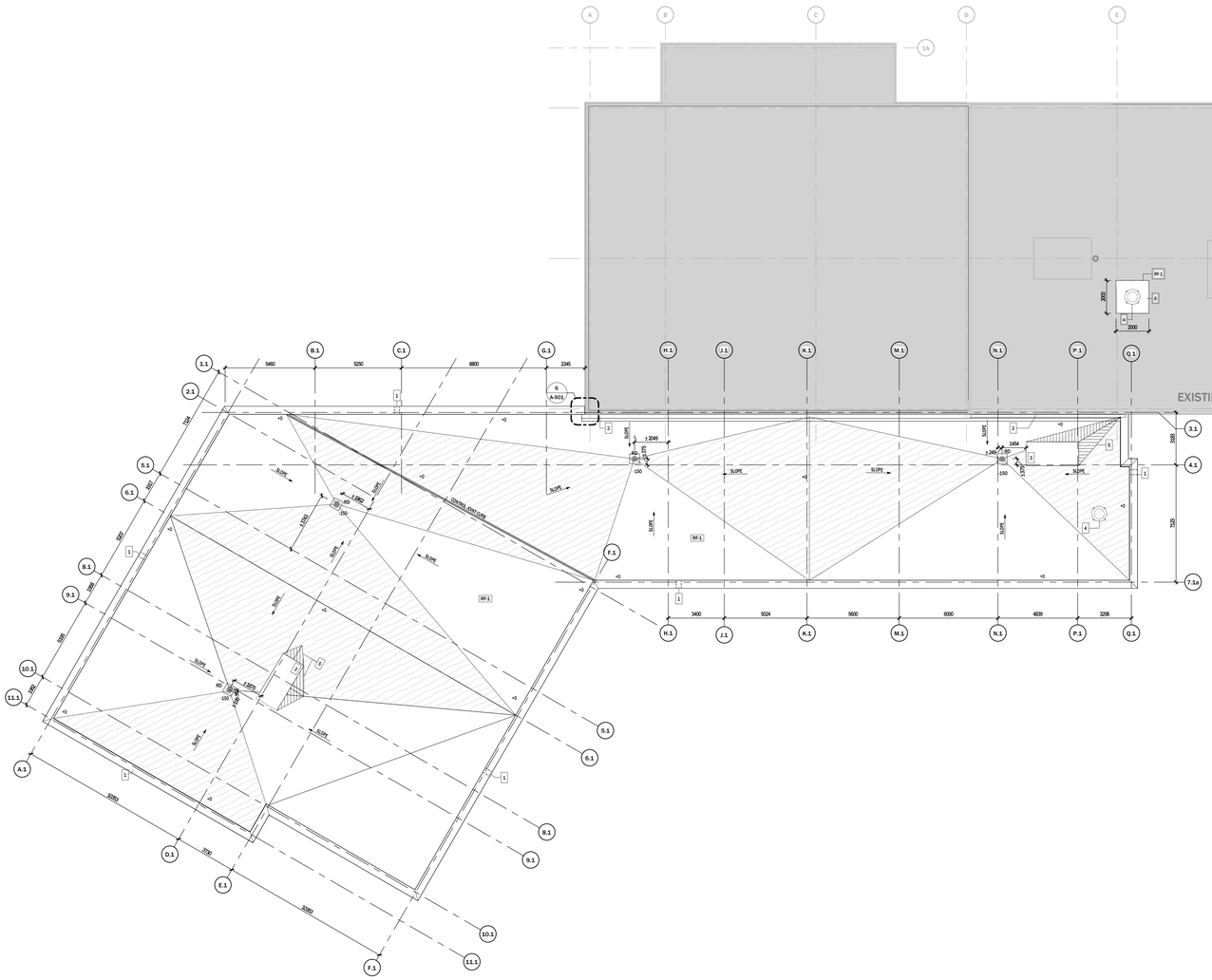
4 **TYP. ROOF DRAIN DETAIL**
1 : 10

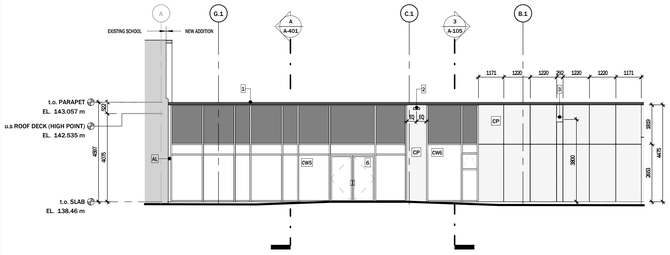


5 **TYP. ROOF ELEC. & PIPE PENETRATION DETAIL**
1 : 10

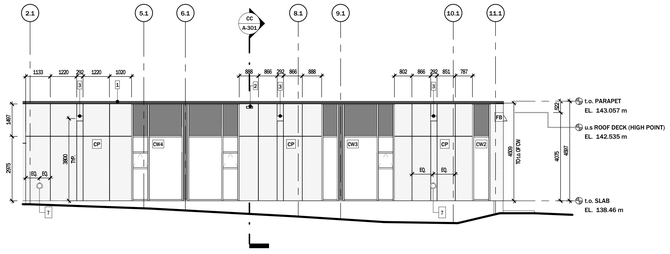


6 **TYP. ROOF SCUPPER DETAIL**
1 : 10

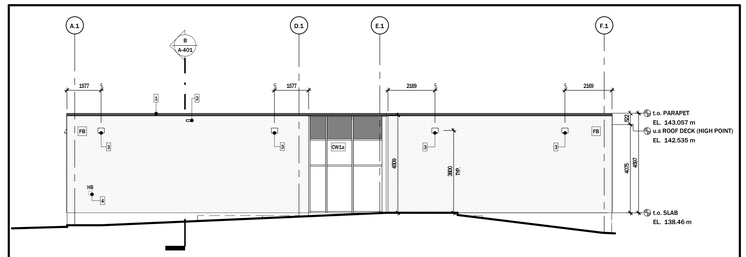

A
B
C
D
E
F
1A
1
2
3
EXISTING ROOF
RF-1
6
4
2000
2000
5480
5250
8800
2345
5.1
6.1
8.1
9.1
10.1
11.1
A.1
D.1
E.1
F.1
3.1
4.1
7.1
7.1a
3400
9324
5600
6000
4839
3258
30353
3730
30353
SLOPE
+0
-150
-100
± 2049
± 2465
1454
2150
1325
1325
1325



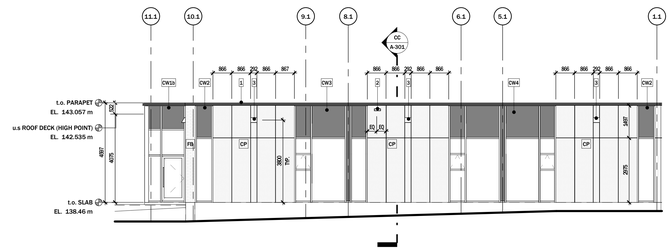
1 A-101 **SOUTH-WEST ELEVATION**
1 : 100



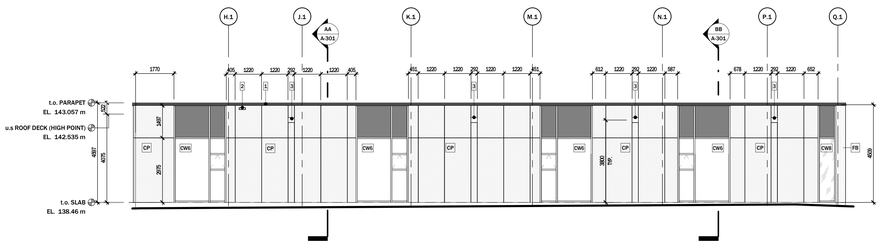
2 A-101 **SOUTH ELEVATION**
1 : 100



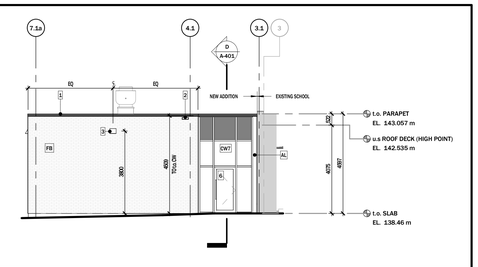
3 A-101 **EAST ELEVATION**
1 : 100



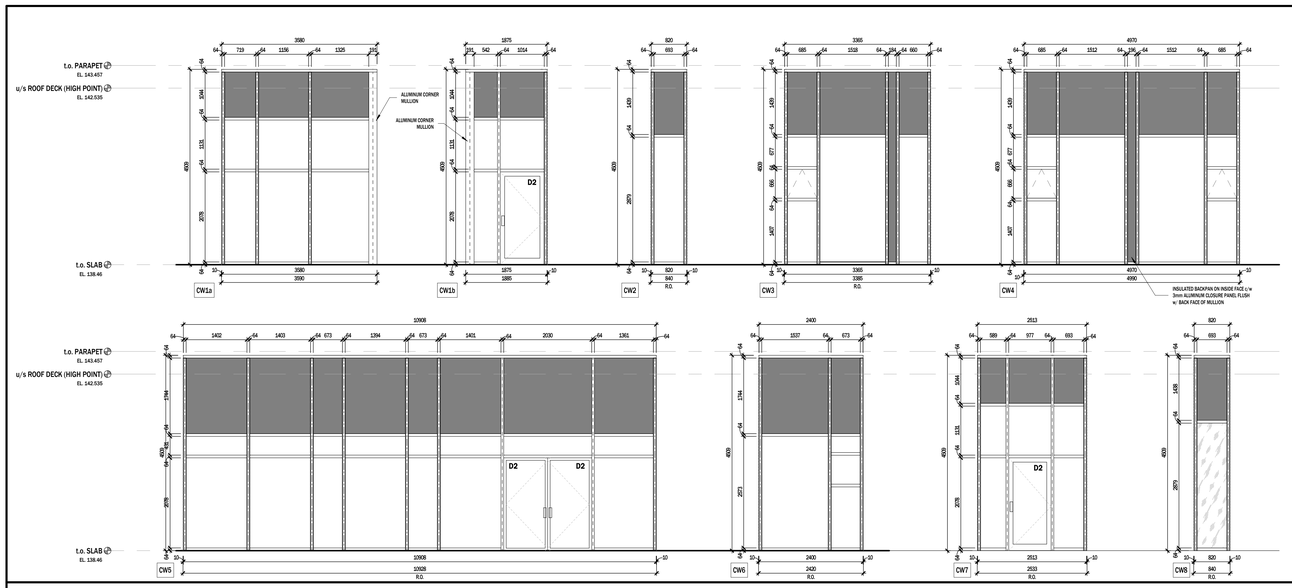
4 A-101 **NORTH ELEVATION**
1 : 100



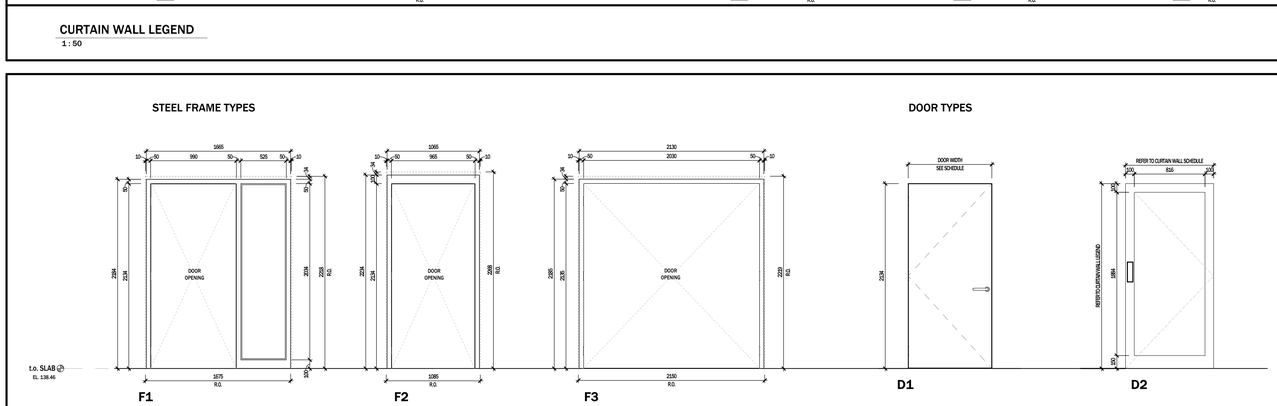
5 A-101 **NORTH EAST ELEVATION**
1 : 100



6 A-101 **NORTH-WEST ELEVATION**
1 : 100



CURTAIN WALL LEGEND
1 : 50



DOOR & FRAME LEGEND
1 : 25

CURTAIN WALL LEGEND NOTES

1. OVERALL DIMENSIONS TAKEN FROM OUTSIDE OF CURTAIN WALL MULLION TO OUTSIDE OF CURTAIN WALL MULLION.
2. ALL INTERIOR DIMENSIONS TAKEN FROM OUTSIDE OF CURTAIN WALL MULLION TO CENTER LINE OF CURTAIN WALL MULLIONS
3. ALL CURTAIN WALL FRAMING TO BE 150mm
4. ALL HORIZONTAL MULLIONS TO HAVE 25mm WALL CAP EXTRUSION (TYP.)
5. ALL MULLION CAPS TO BE ENCLOSED ON ALL ENDS. CAP ALL ENDS OF MULLION CAPS.

ABBREVIATIONS

ADO	-	AUTOMATIC DOOR OPENER
AL	-	ALUMINUM
ANOD	-	ANNODIZED
CW	-	CURTAIN WALL
ES	-	ELECTRIC STRIKE
LG	-	LAMINATED GLAZING
PS	-	PRESSED STEEL
PT	-	PAINT
ST	-	STEEL
GL	-	VISION: INSULATED GLASS
WD	-	SOLID CORE WOOD

DRAWING NOTES

1	PREFINISHED METAL CAP FLASHING
2	OVERFLOW SCUPPER
3	EXTERIOR WALL MOUNTED LIGHTING FIXTURE
4	HOSE BIB - REFER TO MECHANICAL DRAWINGS
5	MECHANICAL LOUVRE
6	ALUMINUM SWING DOOR WITH VISION INSULATED GLASS - REFER TO A-601 FOR DOOR & FRAME TYPES
7	RWL PIPE - REFER TO MECHANICAL DRAWINGS
CW#	ALUMINUM CURTAIN WALL SYSTEM - REFER TO CURTAIN WALL LEGEND FOR CURTAIN WALL ELEVATIONS

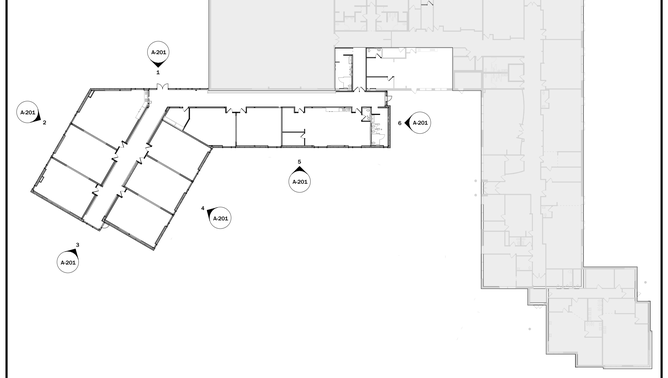
MATERIAL LEGEND

EXTERIOR CLADDING MATERIAL

- CP — CEMENT PANEL
- FB — FACE BRICK
- AL — ALUMINUM FLASHING TO MATCH CURTAIN WALL

CURTAIN WALL MATERIAL

- SPANDREL GLAZING WITH INSULATED BACK PANEL BEHIND & FLUSH WITH BACK FACE OF MULLION.
- GLASS PANEL
- OPERABLE GLASS PANEL
- FROSTED GLASS PANEL
- INDICATES 25mm VERTICAL WALL CAP EXTRUSION
- INDICATES 102mm VERTICAL WALL CAP EXTRUSION



KEY PLAN - GROUND FLOOR
1 : 400

DOOR SCHEDULE

DOOR #	DOOR TYPE	DOOR SIZE WD	HT	THK	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	FIRE RATING	GLAZING DOOR	GLAZING FRAME	HARD WARE GROUP	NOTES
106.1	2-D1	2030	2135	35	ANOD AL	F3	AL	ANOD	1 HR		--		
130A.1		965	2134	35									
134A.1	D1	965	2134	35	WD ST	F2	PS	PT	--	--	--		
134A.2	D1	965	2134	35	WD ST	F2	PS	PT	--	--	--		
134B.1	D1	965	2134	35	WD ST	F2	PS	PT	--	--	--		
171.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
171.2	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
171B.1	D1	965	2134	35	WD ST	F2	PS	PT	--	--	--		
172.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
173.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
174.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
175.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
176.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
177.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
178.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
179.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
180.1	D1	990	2134	35	WD ST	F1	PS	PT	--	--	--		
V107.1	D2	978	2143		ANOD AL	REFER TO CW LEGEND	AL	ANOD	--	GL	--		
V107.2	D2	1025	2080			REFER TO CW LEGEND	AL		--	GL	--		
V107.3	2-D2	2030	2143		ANOD AL	REFER TO CW LEGEND	AL	ANOD	--	GL	--		

REV.	DESCRIPTION	DATE
01	ISSUED FOR S.P.A.	2025-11-07
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE 6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

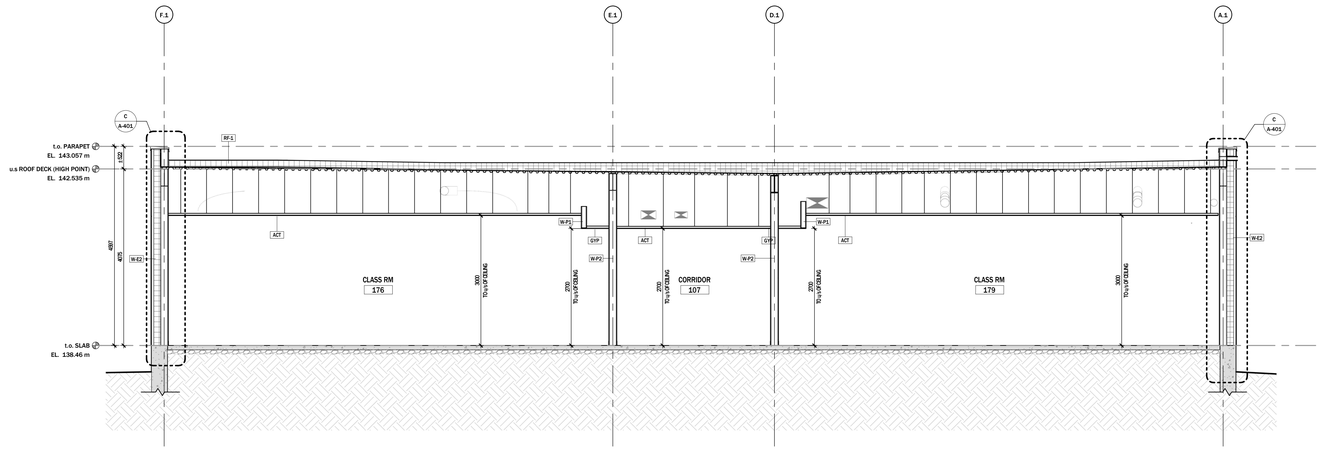
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

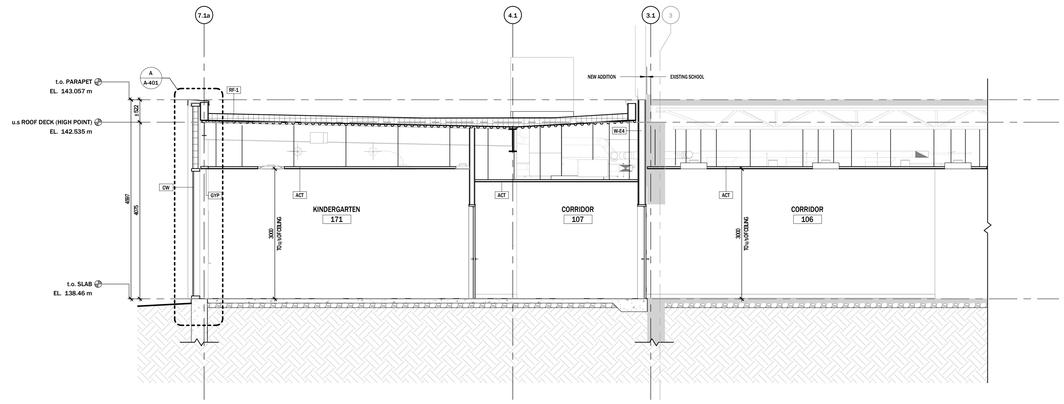
DRAWING TITLE

ELEVATIONS & SCHEDULES

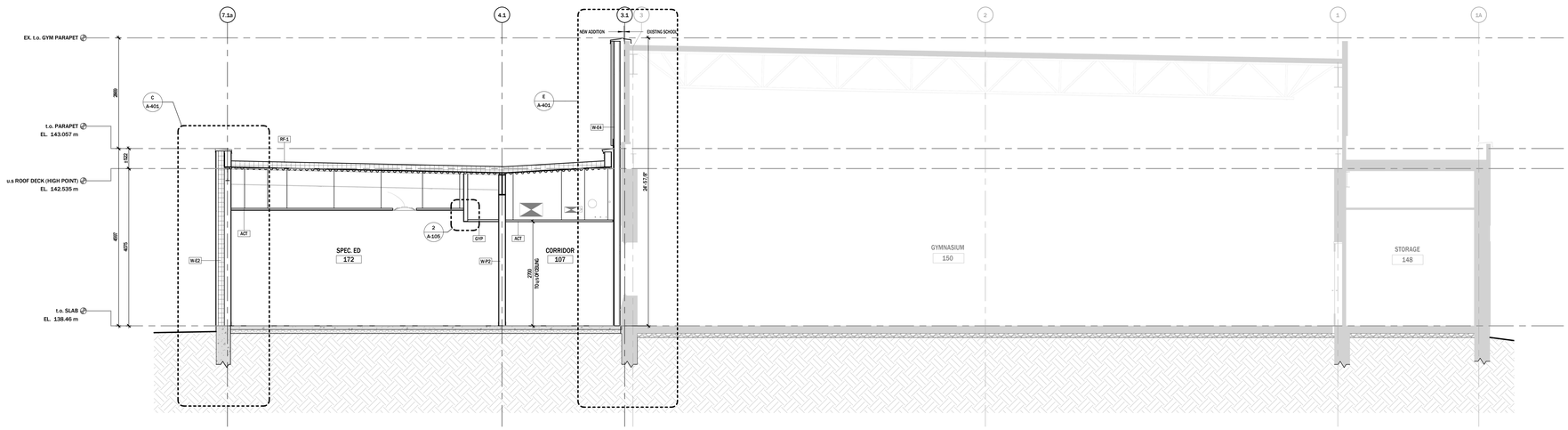
DATE 5/29/2026 2:15:58 PM	PROJECT NO. 2025 07
SCALE As indicated	
DRAWN BY LV	DRAWING NO. A-201
REVIEWED BY JV	



CC A-103 **BUILDING SECTION THRU NEW ADDITION**
1 : 50



BB A-103 **BUILDING SECTION THRU RENOVATION AND NEW ADDITION**
1 : 50



AA A-103 **BUILDING SECTION THRU EXISTING BUILDING & NEW ADDITION**
1 : 50

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

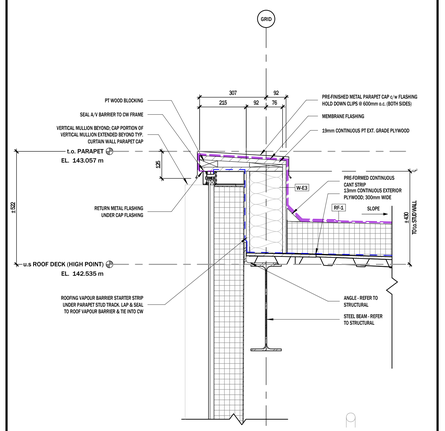
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

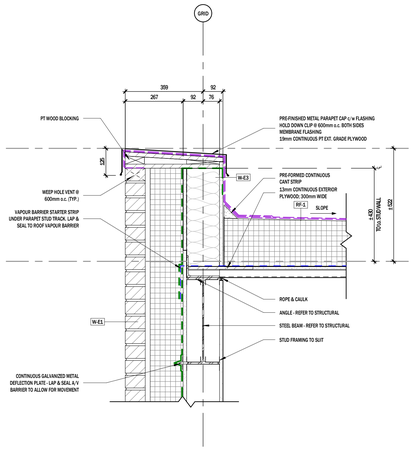
DRAWING TITLE

BUILDING SECTIONS

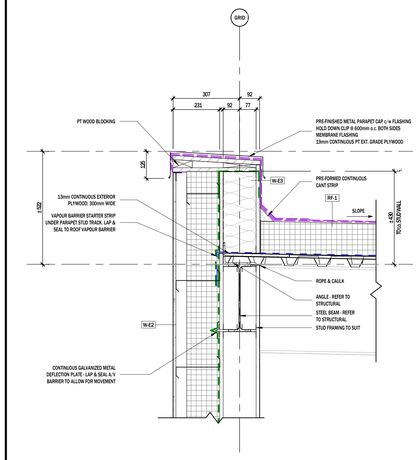
DATE 5/29/2026 2:16:02 PM	PROJECT NO. 2025 07
SCALE 1 : 50	
DRAWN BY LV	DRAWING NO. A-301
REVIEWED BY JV	



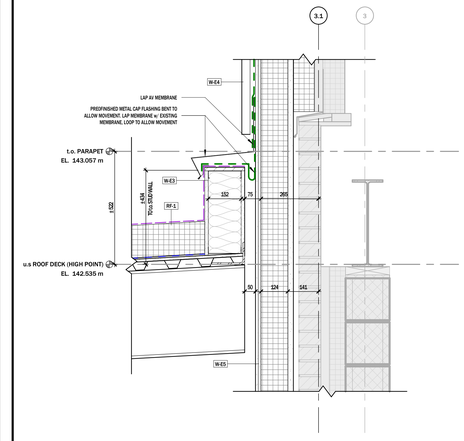
1 A-401 **TYP. SECTION DETAIL - PARAPET AT CURTAIN WALL**
1 : 10



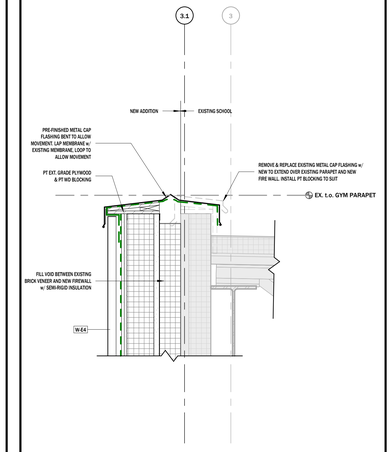
2 A-401 **TYP. SECTION DETAIL - PARAPET AT BRICK**
1 : 10



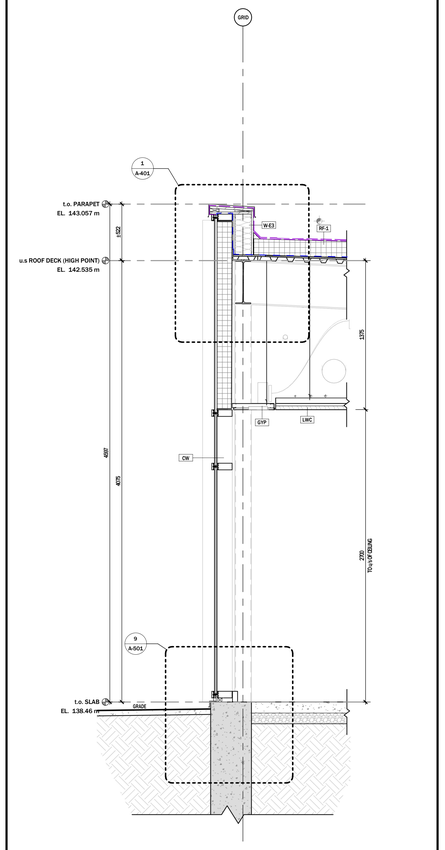
3 A-401 **TYP. SECTION DETAIL - PARAPET AT CONCRETE PANELS**
1 : 10



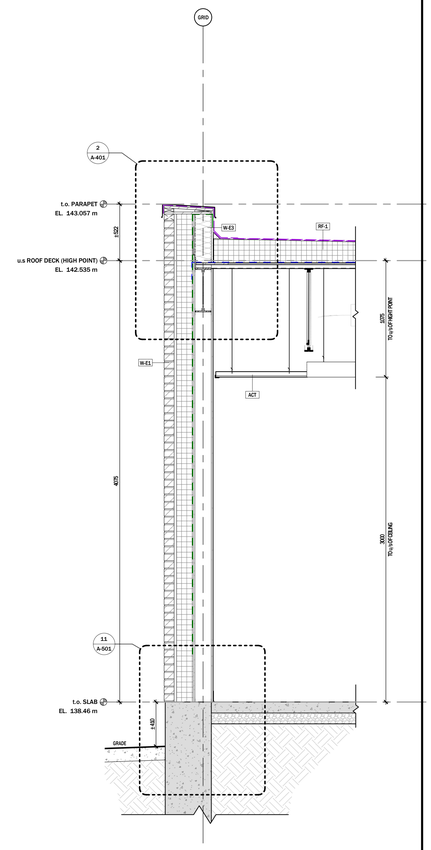
4 A-401 **SECTION DETAIL - SHAFT WALL PARAPET AT EXIST. BUILDING**
1 : 10



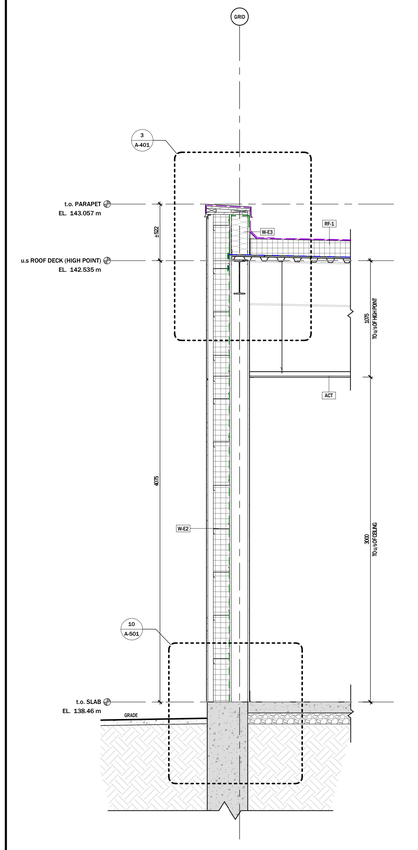
5 A-401 **SECTION DETAIL - FIREWALL PARAPET**
1 : 10



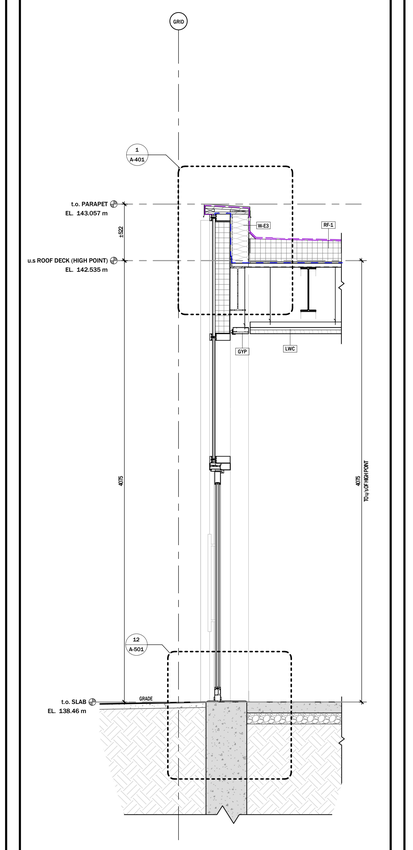
A A-103 **TYP. WALL SECTION THRU CURTAIN WALL**
1 : 20



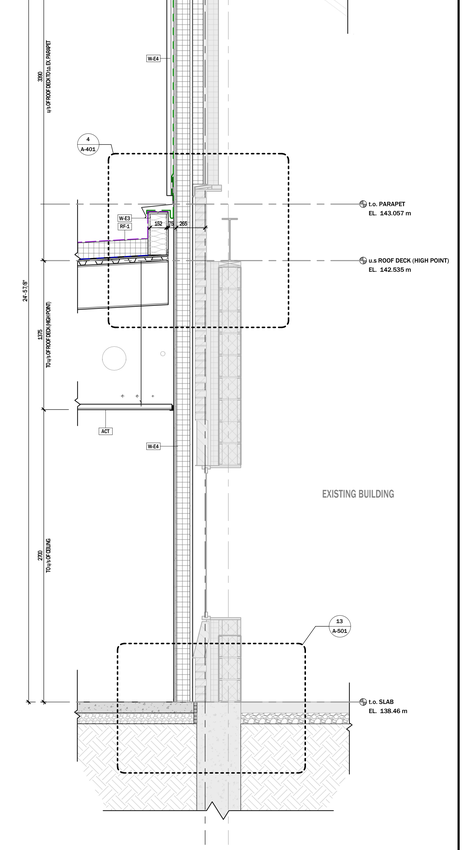
B A-103 **TYP. WALL SECTION THRU BRICK**
1 : 20



C A-301 **TYP. WALL SECTION THRU CONCRETE PANELS**
1 : 20



D A-103 **TYP. WALL SECTION THRU ENTRY DOOR**
1 : 20



E A-301 **WALL SECTION THRU SHAFT WALL**
1 : 20

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

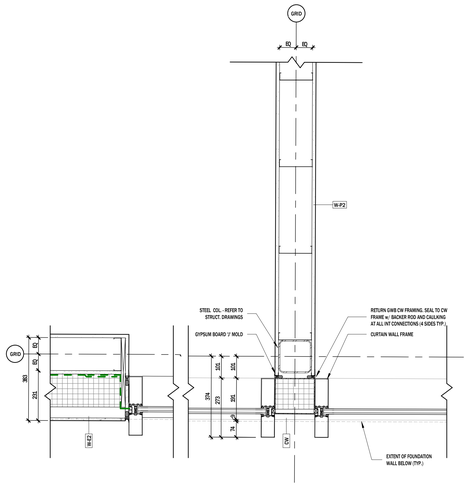
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

WALL SECTIONS & DETAILS

DATE: 5/29/2026 2:16:05 PM	PROJECT NO.: 2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.: A-401
REVIEWED BY: JV	

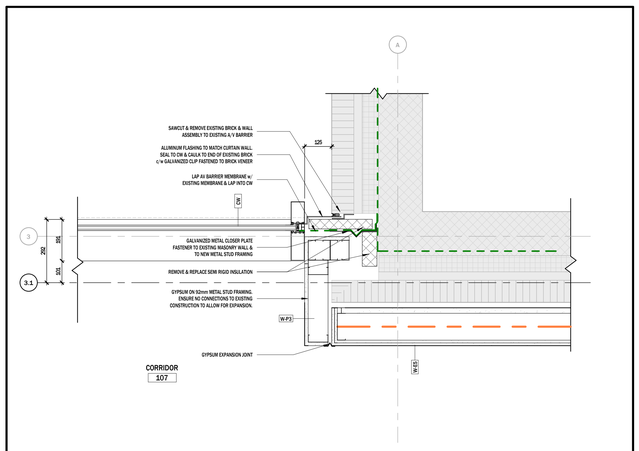


1 A-103 **TYP. PLAN DETAIL - INT. WALL TO CURTAIN WALL CONNECTION**
1 : 10

2 A-103 **TYP. PLAN DETAIL - EXT. CORNER**
1 : 10

3 A-103 **PLAN DETAIL - INTERIOR CORNER**
1 : 10

4 A-103 **PLAN DETAIL - EXT. WALL & DOOR CONNECTION**
1 : 10

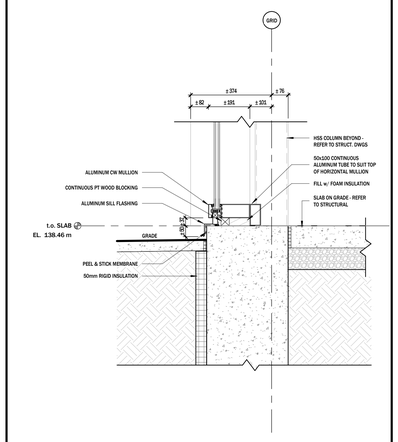


5 A-103 **PLAN DETAIL - ADDITION TO EXIST. BUILDING CONNECTION @ FIREWALL**
1 : 10

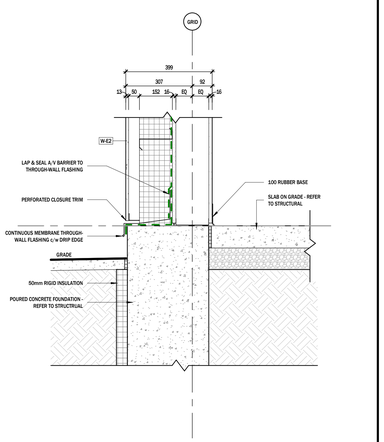
6 A-106 **PLAN DETAIL - ADDITION TO EXIST. ROOF CONNECTION @ FIREWALL**
1 : 10

7 A-103 **PLAN DETAIL - FIREWALL CONNECTION @ ENTRY**
1 : 10

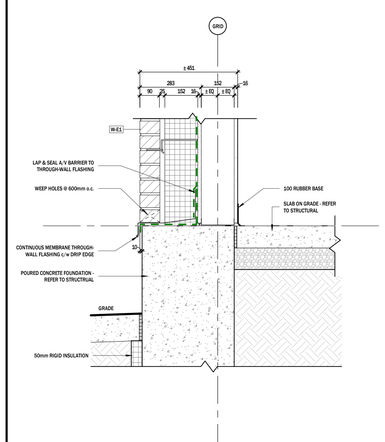
8 A-103 **PLAN DETAIL @ GRIDS C.1 & 10.1**
1 : 10



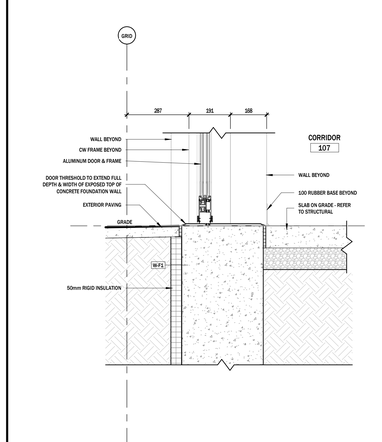
9 A-401 **TYP. SECTION DETAIL - FOUNDATION AT CURTAIN WALL**
1 : 10



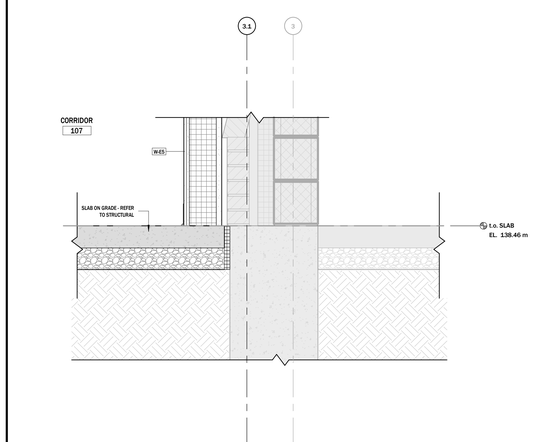
10 A-401 **TYP. SECTION DETAIL - FOUNDATION AT CONCRETE PANELS**
1 : 10



11 A-401 **TYP. SECTION DETAIL - FOUNDATION AT BRICK**
1 : 10



12 A-401 **TYP. SECTION DETAIL - FOUNDATION AT ENTRY DOOR**
1 : 10



13 A-401 **SECTION DETAIL - SHAFT WALL FOUNDATION AT EXIST. BUILDING**
1 : 10

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON. K7C 4K1

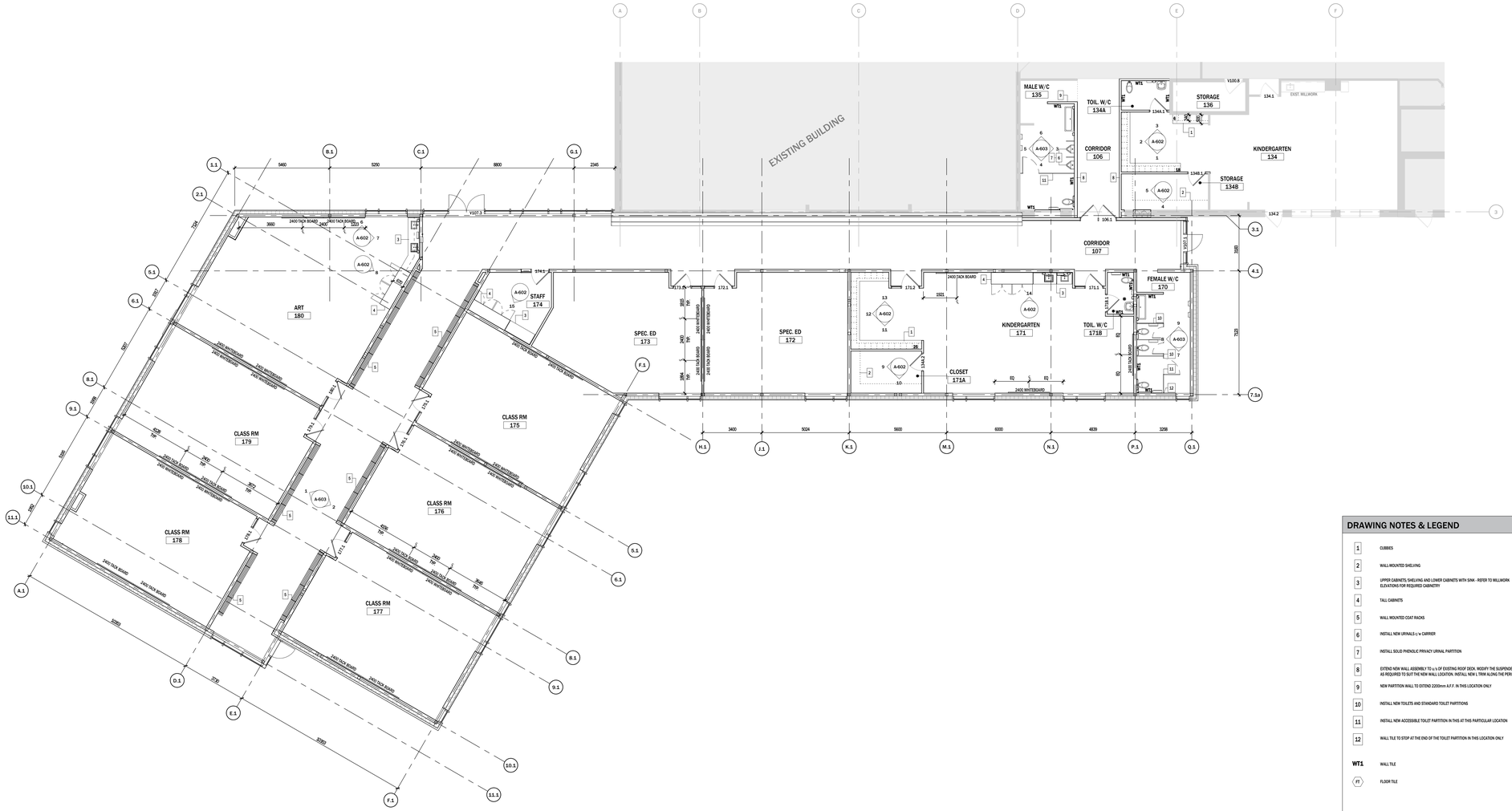
DRAWING TITLE

DETAILS

DATE: 5/29/2026 2:16:07 PM	PROJECT NO.: 2025 07
SCALE: 1 : 10	
DRAWN BY: LV	DRAWING NO.: A-501
REVIEWED BY: JV	

GENERAL NOTES

1. ALL NEW FLOOR TO BE INSTALLED IN ADDITION AND RENOVATION TO BE VINYL COMPOSITE FLOORING.
2. REFER TO SPEC SECTION FOR SPECIFIED TRANSITION TRIMS AND REQUIRED LOCATIONS.
3. REFER TO ROOM FINISH SCHEDULE SPEC SECTION FOR FINISHES & SPECIFIED MATERIAL. PROVIDED FLOOR PLAN IS FOR APPROXIMATE FLOOR PATTERN OF VINYL COMPOSITE FLOORING IN CORRIDORS & ROOMS AS INDICATED. PATTERNS FOR ALL OTHER ROOMS NOT INDICATED ARE TO BE DETERMINED AT A LATER DATE.
4. REFER TO A-103 FOR TYPICAL WASHROOM ACCESSORIES, GENERAL WASHROOM AND ACCESSORY ELEVATIONS, AND MOUNTING HEIGHTS.
5. AS REQUIRED: REPLACE OR PATCH, REPAIR AND MAKE GOOD ALL EXISTING FINISHES WITHIN THE SPECIFIED AREAS OF WORK, INCLUDING BUT NOT LIMITED TO: WALL SURFACES, CEILING FINISHES, FLOOR FINISHES, ETC. NEW FINISHES TO BEST MATCH THAT OF THE ADJACENT FINISHES IN COLOUR, TEXTURE AND ELEVATION. INSTALL LIP TO THE NEAREST JOINT.
6. PROTECT ALL EXISTING SURFACES, FLOORING, EQUIPMENT, ETC. FROM WALLS TO BE PAINTED (UNLESS OTHERWISE NOTED).
7. PROVIDE CLEAR SILICON SEALANT AT JOINT BETWEEN NEW PLUMBING FIXTURES AND ADJACENT SURFACES.
8. INSTALL 19mm PLYWOOD BLOCKING WITHIN THE METAL STUDS AT NEW WALL ASSEMBLY LOCATIONS FOR WALL-MOUNTED WASHROOM ACCESSORIES. INCLUDING BUT NOT LIMITED TO: GRAB BARS, TOILET PARTITIONS, PRIVACY SCREENS, HAND DRYERS, ETC.
9. PAINT ALL NEW AND EXISTING GYPSUM WALL AND CEILING SURFACES.
10. PAINT NEW FRAMES
11. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR NEW SERVICES, INCLUDING BUT NOT LIMITED TO, NEW SINKS, TOILETS, HAND DRYERS, ETC.
12. FINISH WASHROOM WALLS WITH WALL TILE AND FLOOR TILE AS INDICATED. EXTEND THE WALL TILE 100mm ABOVE THE ACOUSTIC SUSPENDED CEILINGS AND WRAP CONTINUE AROUND ALL WALL ENDS, UNLESS OTHERWISE NOTED.
13. INSTALL CLEAR SILICON SEALANT ALONG THE EDGE OF ALL SINKS AND WALL TILES AND THE EDGE OF ALL URINALS AND TOILETS.
14. ALL DIMENSIONS OF EXISTING WALLS ARE APPROXIMATE. CONTRACTORS ARE RESPONSIBLE FOR SITE VERIFYING ALL EXISTING DIMENSIONS / CONDITIONS.
15. WHERE APPLICABLE, PATCH, REPAIR, AND MAKE GOOD OF AND PAINT THE EXISTING GYPSUM CEILINGS. REFER TO ELECTRICAL DOCUMENTS FOR THE LOCATIONS OF EXISTING LIGHTS TO BE DEMOLISHED AND THE LOCATION OF NEW LIGHT FIXTURES TO BE INSTALLED. CONTRACTOR SHALL ASSUME TO CUT AND REPLACE A 610x610 AREA OF GYPSUM AT EACH ROW OF EXISTING AND NEW LIGHTS IN ORDER ST MODIFY THE POWER SUPPLY.
16. REFER TO ELECTRICAL DOCUMENTS FOR REQUIRED LOCATIONS AND SIZES OF ACCESS PANELS/DOORS TO BE INSTALLED IN THE GYPSUM CEILINGS AND WALLS. ACCESS DOORS SHALL BE EQUIVALENT TO: GENERAL ACCESS DOORS BAA-AHD-SS BY BEST ACCESS DOORS UNLESS OTHERWISE INDICATED. PROVIDE STAINLESS STEEL ON WALLS AND POWER COATED WHITE ON CEILINGS. WALL ACCESS DOORS TO BE EQUIPPED WITH A KE OPERATED CYLINDER CAM LATCH.
17. PROVIDE STAINLESS STEEL ADAPTER / TRANSITION BETWEEN NEW FLOORING AND EXISTING FLOORING. PROVIDE EXPANSION JOINT BETWEEN THE NEW FLOORING OF THE ADDITION AND EXISTING BUILDING.



DRAWING NOTES & LEGEND

1. CUBBIES
2. WALL-MOUNTED SHELVING
3. UPPER CABINETS, SHELVING AND LOWER CABINETS WITH SINK - REFER TO MILLWORK ELEVATIONS FOR REQUIRED CABINETRY
4. TALL CABINETS
5. WALL MOUNTED COAT RACKS
6. INSTALL NEW URINALS c/w CARRIER
7. INSTALL SOLID PHENOLIC PRIVACY URINAL PARTITION
8. EXTEND NEW WALL ASSEMBLY TO u/s OF EXISTING ROOF DECK. MODIFY THE SUSPENDED CEILING AND ACOUSTIC TILES AS REQUIRED TO SUIT THE NEW WALL LOCATION. INSTALL NEW L TRIM ALONG THE PERIMETER OF THE NEW WALL.
9. NEW PARTITION WALL TO EXTEND 2200mm A.F.F. IN THIS LOCATION ONLY
10. INSTALL NEW TOILETS AND STANDARD TOILET PARTITIONS
11. INSTALL NEW ACCESSIBLE TOILET PARTITION IN THIS AT THIS PARTICULAR LOCATION
12. WALL TILE TO STOP AT THE END OF THE TOILET PARTITION IN THIS LOCATION ONLY

WT1 WALL TILE

FT FLOOR TILE

GROUND FLOOR MILLWORK & FLOOR FINISH PLAN
1 : 100

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

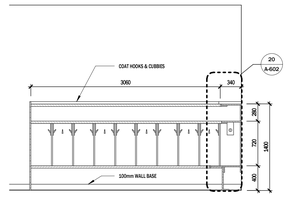
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

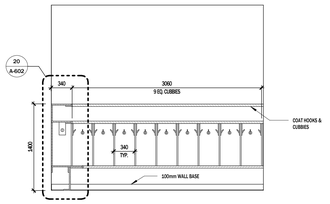
DRAWING TITLE

MILLWORK & FLOOR FINISH PLAN

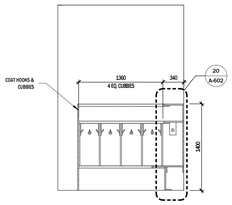
DATE 5/29/2026 2:16:08 PM	PROJECT NO. 2025 07
SCALE As indicated	
DRAWN BY LV	DRAWING NO. A-601
REVIEWED BY JV	



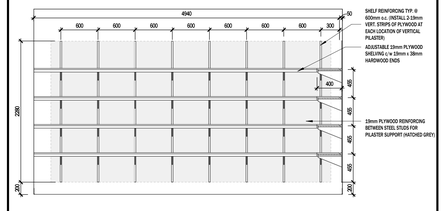
1 A-103 **RM 134 - MILLWORK ELEVATION 1**
1 : 35



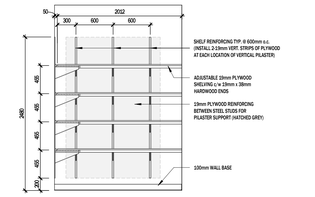
2 A-103 **RM 134 - MILLWORK ELEVATION 2**
1 : 35



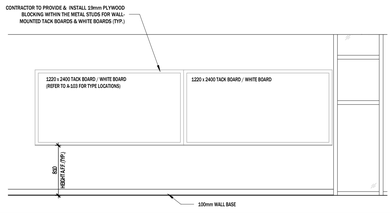
3 A-103 **RM 134 - MILLWORK ELEVATION 3**
1 : 35



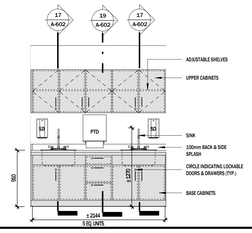
4 A-103 **RM 134B - ELEVATION 1**
1 : 35



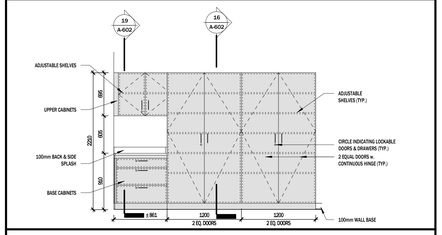
5 A-103 **RM 134B - ELEVATION 2**
1 : 35



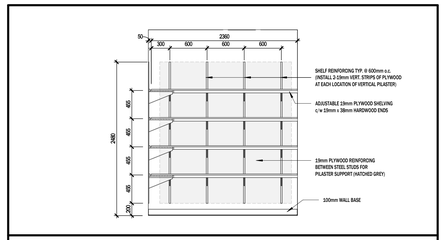
6 A-601 **RM 180 - ELEVATION 1**
1 : 35



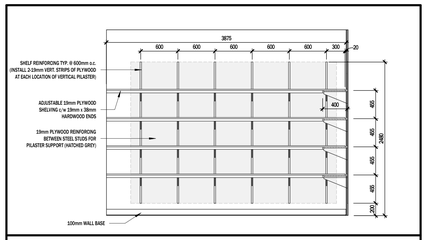
7 A-601 **RM 180 - ELEVATION 2**
1 : 35



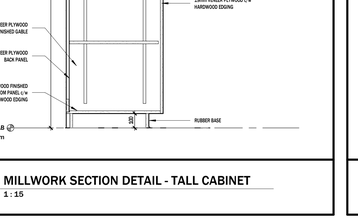
8 A-601 **RM 180 - ELEVATION 3**
1 : 35



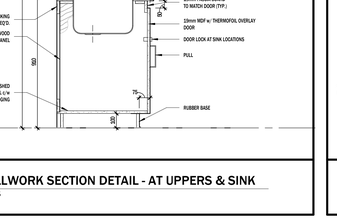
9 A-601 **RM 171A - ELEVATION 1**
1 : 35



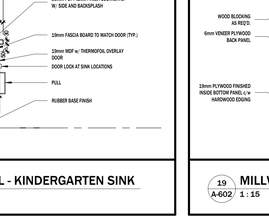
10 A-601 **RM 171A - ELEVATION 2**
1 : 35



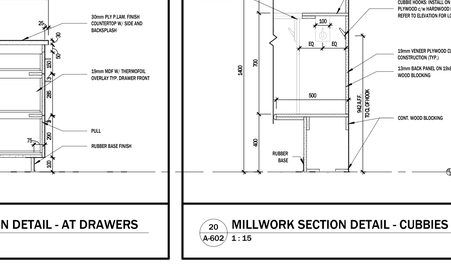
11 A-601 **RM 171 - ELEVATION 1**
1 : 35



12 A-601 **RM 171 - ELEVATION 2**
1 : 35



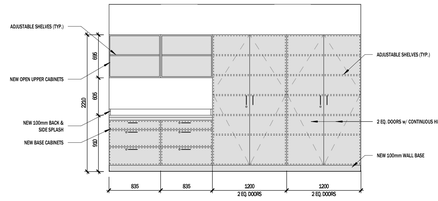
13 A-601 **RM 171 - ELEVATION 3**
1 : 35



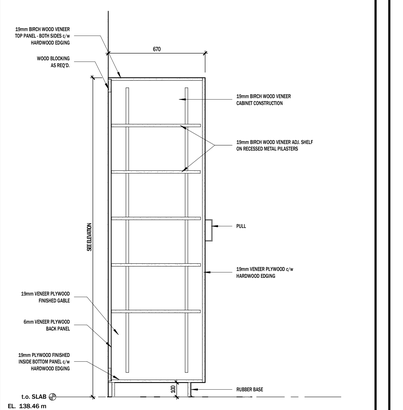
14 A-601 **RM 171 - ELEVATION 4**
1 : 35

GENERAL NOTES

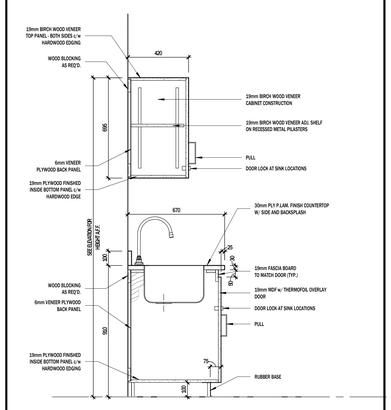
1. ALL DIMENSIONS TO BE SITE VERIFIED
2. REFER TO SHEET A-603 AND THE SPECIFICATIONS FOR LOCATIONS OF FINISHES AND HARDWARE.
3. REFER TO A-103 FOR TYPICAL WASHROOM ACCESSORY AND GENERAL ELEVATIONS AND MOUNTING HEIGHTS.
4. BACK & SIDE SPLASH TO MATCH THE MATERIAL OF THE ADJACENT COUNTERTOPS.
5. INSTALL 19mm PLYWOOD BLOCKING WITHIN THE METAL STUDS AT NEW WALL ASSEMBLY LOCATIONS FOR WALL-MOUNTED ACCESSORIES, INCLUDING BUT NOT LIMITED TO: GRAB BARS, TOILET PARTITIONS, PRIVACY SCREENS, HAND DRYERS, COAT RACKS, TACK BOARDS, WHITE BOARDS, ETC.
6. FOR CUBBIES, VENEER ALL EXPOSED SIDES OF THE CUBBIE PANEL AT EXPOSED END (TYP.)
7. WASHROOM ACCESSORIES TO BE SUPPLIED BY OWNER AND INSTALLED BY G.C.
8. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR NEW SERVICES, INCLUDING BUT NOT LIMITED TO, NEW SINKS, TOILETS, HAND DRYERS, ETC.
9. FINISH WASHROOM WALLS WITH WALL TILE AND FLOOR TILE AS INDICATED. EXTEND THE WALL TILE 100mm ABOVE THE ACOUSTIC SUSPENDED CEILINGS AND WRAP/CONTINUE AROUND ALL WALL ENDS, UNLESS OTHERWISE NOTED.
10. PROVIDE CLEAR SILICON SEALANT AT JOINT BETWEEN NEW PLUMBING FIXTURES AND ADJACENT SURFACES.
11. INSTALL CLEAR SILICON SEALANT ALONG THE EDGE OF ALL SINKS AND WALL TILES AND THE EDGE OF ALL URINALS AND TOILETS.
12. ALL DIMENSIONS OF EXISTING WALLS ARE APPROXIMATE. CONTRACTORS ARE RESPONSIBLE FOR SITE VERIFYING ALL EXISTING DIMENSIONS / CONDITIONS.



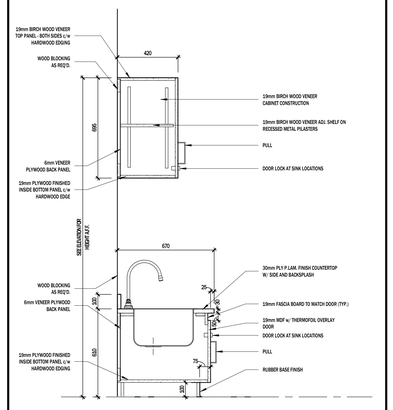
15 A-601 **RM 174 - MILLWORK ELEVATION 1**
1 : 35



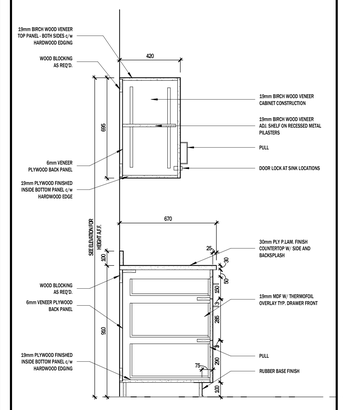
16 A-602 **MILLWORK SECTION DETAIL - TALL CABINET**
1 : 15



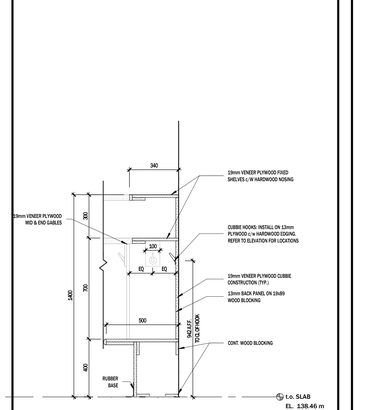
17 A-602 **MILLWORK SECTION DETAIL - AT UPPERS & SINK**
1 : 15



18 A-602 **MILLWORK SECTION DETAIL - KINDERGARTEN SINK**
1 : 15



19 A-602 **MILLWORK SECTION DETAIL - AT DRAWERS**
1 : 15



20 A-602 **MILLWORK SECTION DETAIL - CUBBIES**
1 : 15

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

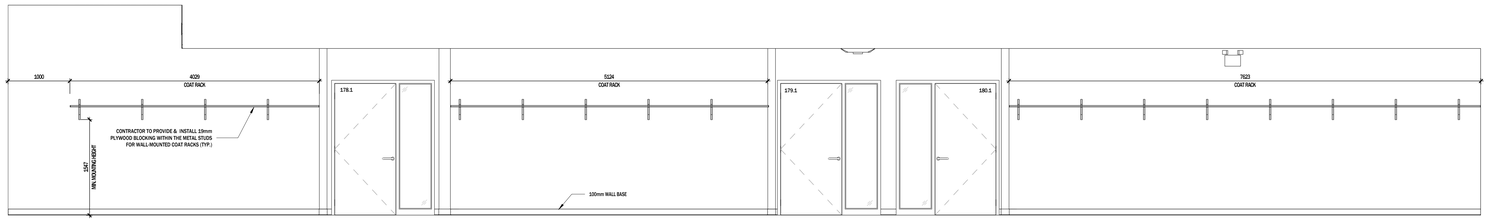
Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

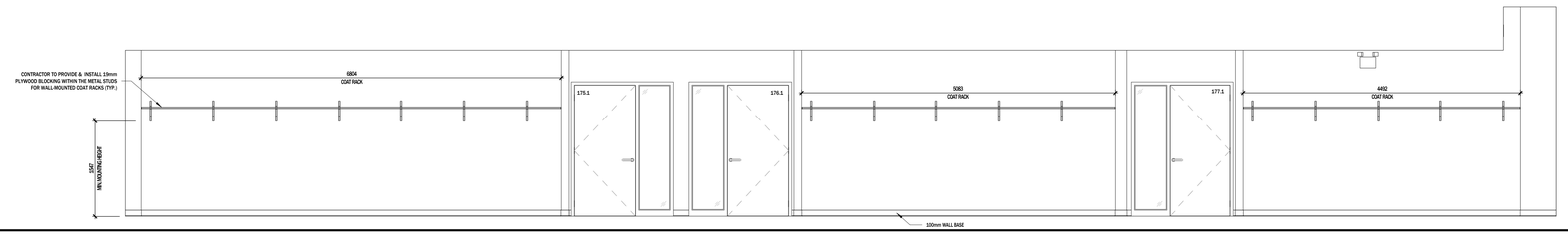
DRAWING TITLE

MILLWORK ELEVATIONS & DETAILS

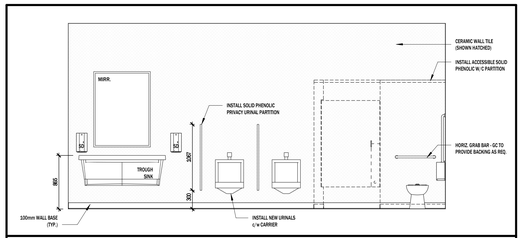
DATE	PROJECT NO.
5/29/2026 2:16:11 PM	2025 07
SCALE: As indicated	
DRAWN BY: LV	DRAWING NO.
REVIEWED BY: JV	A-602



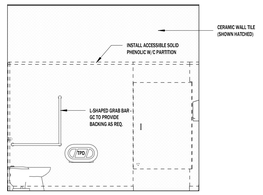
1 A-601 **TYP. CORRIDOR COAT RACK ELEVATION 1**
1 : 35



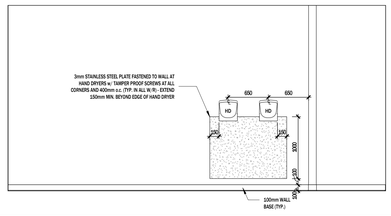
2 A-601 **TYP. CORRIDOR COAT RACK ELEVATION 2**
1 : 35



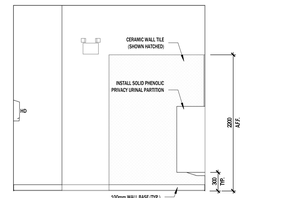
3 A-103 **RM 135 - WASHROOM ELEVATION 1**
1 : 35



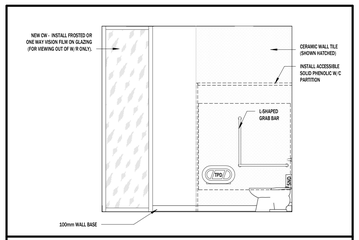
4 A-103 **RM 135 - WASHROOM ELEVATION 2**
1 : 35



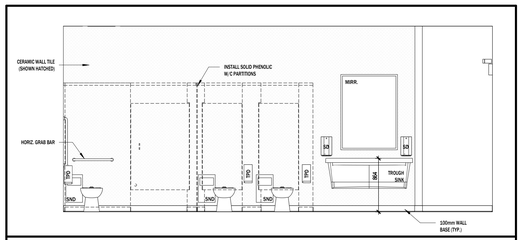
5 A-103 **RM 135 - WASHROOM ELEVATION 3**
1 : 35



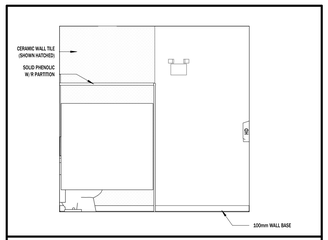
6 A-103 **RM 135 - WASHROOM ELEVATION 4**
1 : 35



7 A-103 **RM 170 - WASHROOM ELEVATION 1**
1 : 35



8 A-103 **RM 170 - WASHROOM ELEVATION 2**
1 : 35



9 A-103 **RM 170 - WASHROOM ELEVATION 3**
1 : 35

GENERAL NOTES

1. ALL DIMENSIONS TO BE SITE VERIFIED
2. REFER TO SHEET A-603 AND THE SPECIFICATIONS FOR LOCATIONS OF FINISHES AND HARDWARE.
3. REFER TO A-103 FOR TYPICAL WASHROOM ACCESSORY AND GENERAL ELEVATIONS AND MOUNTING HEIGHTS.
4. BACK & SIDE SPLASH TO MATCH THE MATERIAL OF THE ADJACENT COUNTERTOPS.
5. INSTALL 19mm PLYWOOD BLOCKING WITHIN THE METAL STUDS AT NEW WALL ASSEMBLY LOCATIONS FOR WALL-MOUNTED ACCESSORIES, INCLUDING BUT NOT LIMITED TO: GRAB BARS, TOILET PARTITIONS, PRIVACY SCREENS, HAND DRYERS, COAT RACKS, TACK BOARDS, WHITE BOARDS, ETC.
6. FOR CUBBIES, VENEER ALL EXPOSED SIDES OF THE CUBBIE PANEL AT EXPOSED END (TYP.)
7. WASHROOM ACCESSORIES TO BE SUPPLIED BY OWNER AND INSTALLED BY G.C.
8. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR NEW SERVICES, INCLUDING BUT NOT LIMITED TO, NEW SINKS, TOILETS, HAND DRYERS, ETC.
9. FINISH WASHROOM WALLS WITH WALL TILE AND FLOOR TILE AS INDICATED. EXTEND THE WALL TILE 100mm ABOVE THE ACOUSTIC SUSPENDED CEILINGS AND WRAP/ CONTINUE AROUND ALL WALL ENDS, UNLESS OTHERWISE NOTED.
10. PROVIDE CLEAR SILICON SEALANT AT JOINT BETWEEN NEW PLUMBING FIXTURES AND ADJACENT SURFACES.
11. INSTALL CLEAR SILICON SEALANT ALONG THE EDGE OF ALL SINKS AND WALL TILES AND THE EDGE OF ALL URINALS AND TOILETS.
12. ALL DIMENSIONS OF EXISTING WALLS ARE APPROXIMATE. CONTRACTORS ARE RESPONSIBLE FOR SITE VERIFYING ALL EXISTING DIMENSIONS / CONDITIONS.

REV.	DESCRIPTION	DATE
02	ISSUED FOR 66%	2025-12-08
03	ISSUED FOR 99%	2026-03-30
	ISSUED FOR TENDER	2026-07-16

PROJECT NORTH

Écoles catholiques Centre-Est

PROJECT NORTH

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
JAN MICHAEL VEER
LICENCE
6578

ARCHITECTURAL

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 303, Ottawa ON K2P 0Y8

MECHANICAL + ELECTRICAL

BPA

STRUCTURAL

PROJECT NAME

École élémentaire catholique J.-L.-Couroux (2025JLC117)

Conseil des écoles catholiques du Centre-Est

10 FINDLAY AVE, CARLETON PLACE, ON, K7C 4K1

DRAWING TITLE

MILLWORK ELEVATIONS

DATE 5/29/2026 2:16:14 PM	PROJECT NO. 2025 07
SCALE As indicated	
DRAWN BY LV	DRAWING NO. A-603
REVIEWED BY JV	

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 ISOLATORS 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 POSITIONALL REBAR/CONDUIT ON T&B OF SLAB / E.S. OF WALL MIN. OF 4 WEEKS PRIOR TO ISSUING 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.
   - SAW/CUTCORE 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 ACCOMODATE 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= 1.3

SNOW LOAD FACTORS:

S = I_S [S_S(Cb*Cw*Cs*Ca) + S_r]
S_S = 2.4 kPa
S_r = 0.4 kPa
Cb = 0.8
Cw= 1.0
Cs = 1.0

ROOF:

DEAD:	FRAMING	0.30 kPa
	STEEL DECK	0.10 kPa
	ROOFING	0.60 kPa
	CEILING	0.30 kPa
	M&E	0.30 kPa
	TOTAL	1.60 kPa

SNOW: GENERAL SNOW LOAD 2.76 kPa
+ DRIFT

D01-3 SEISMIC SYSTEM/LOADING DATA

- SEISMIC FORCE RESISTING SYSTEM (SFRS)

  SFRS: SYSTEM & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.9/4.1.8.10)
  LATERAL LOAD RESISTING SYSTEM: BRACED FRAME, CONVENTIONAL CONSTRUCTION
  Rd = 1.5
  Ro = 1.3
  CSA STANDARD: CAN/CSA S16-19
  APPLICABLE CLAUSE(S): 27.12

  SFRS: DIAPHRAGMS & CONNECTIONS: (OBC 2024 CLAUSE 4.1.8.15)
  CSA STANDARD: CAN/CSA S16-19
  APPLICABLE CLAUSE(S): 27.12

  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.

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: **CARLETON PLACE**

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

  ☐ A ☐ B ■ C ☐ D ☐ E ☐ F

  SITE SUBJECT TO LIQUEFACTION: ☐ YES ■ NO

  EARTHQUAKE LOADS ON BASEMENT WALLS: ☐ YES ■ NO

- PROBABILITY OF EXCEDENCE IN 50 YEARS

	PGA(X)	PGV(X)
2%	0.256	0.214
10%	0.0958	0.0725

- 5% DAMPED SPECTRAL RESPONSE ACCELERATION VALUES FOR Sa(T,x): (NATIONAL BUILDING CODE 2020)
  PROBABILITY OF EXCEDENCE IN 50 YEARS

2%	10%
Sa(0.2,X)= 0.504	Sa(0.2,X)= 0.19
Sa(0.5,X)= 0.313	Sa(0.5,X)= 0.119
Sa(1.0,X)= 0.172	Sa(1.0,X)= 0.0617
Sa(2.0,X)= 0.0815	Sa(2.0,X)= 0.0277
Sa(5.0,X)= 0.0222	Sa(5.0,X)= 00675
Sa(10.0,X)= 0.00746	Sa(10.0,X)= 00231

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

  I_E = 1.3
  S(0.2) = 0.504
  S(1.0) = 0.172
  I_ES(0.2) = 0.655
  I_ES(1.0) = 0.223

SEISMIC CATEGORIE	IE(S(0.2)	IES(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))	THE STRUCTURE HAS BEEN DESIGNED TO MEET ADDITIONAL PERFORMANCE REQUIREMENTS OF OBC 2024 CLAUSE 4.1.8.23 (a-d & h)
■ 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): 4.8m

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

  $T_{a(EMPIRICAL)\ NS}$ = 0.12 sec
  $T_{a(EMPIRICAL)\ EW}$ = 0.12 sec

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

  $T_{a(MODAL)\ NS}$ = 0.323 sec
  $T_{a(MODAL)\ EW}$ = 0.265 sec

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

  S(0.2)= 22.70 ≥ 8.0 ■ YES ☐ NO
  S(5.0)

  $T_{a(design)\ NS}$ = 0.238 sec Mv = 1.0 J =0.988
  $T_{a(design)\ EW}$ = 0.238 sec Mv = 1.0 J =0.988

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

  S(Ta)$_{NS}$ = 0.224
  S(Ta)$_{EW}$ = 0.224

  INTERPOLATION:

  ■ LOG-LOG
  ☐ LINEAR

- IRREGULARITY REVIEW: (2024 OBC 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:	☐ YES	■ NO
B_{NS} = 1.57		
B_{EW} = 1.52		
8. NON-ORTHOGONAL:	■ YES	☐ NO
9. GRAVITY INDUCED LATERAL DEMAND IRREGULARITY	☐ YES	■ NO
10. SLOPED COLUMN IRREGULARITY	☐ YES	■ NO

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

- TORSIONAL ECCENTRICITY: ■ ± 0.10 D/w (4.1.8.11(1a)). B < 1.7 EQUIV. STATIC FORCE PROCEDURE)
  ☐ ± 0.10 D/w (4.1.8.12(4a)). B > 1.7)
  ☐ ± 0.05 D/w (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
  MAXIMUM INTERSTORY DRIFT: 11.5mm
  MINIMUM SEPARATION DISTANCE: 21mm

- BUILDING WEIGHT FOR SEISMIC DESIGN: W = 2655 kN

- BASE SHEAR/MOMENTS:

  $V_{DYN(S)}$= $\frac{S(Ta)M_v \cdot I_E \cdot W}{Rd\ Ro}$

- STATIC MAXIMUM/MINIMUM VALUES:

  NORTH-SOUTH: (↑)

  $V_{MIN,S}$ = $\frac{S(4.0) \cdot M_v \cdot I_E \cdot W}{Rd\ Ro}$ = W* 0.0543 = 144 kN

  $V_{MAX,S}$ = { $\frac{0.66 \cdot S(0.2)I_E \cdot W}{Rd\ Ro}$ = W*0.224 = 595 kN ; $\frac{S(0.5)I_E \cdot W}{Rd\ Ro}$ = W*0.2087 = 555 kN }

- EAST-WEST: (←→)

  $V_{MIN,E}$ = $\frac{S(4.0) \cdot M_v \cdot I_E \cdot W}{Rd\ Ro}$ = W* 0.0543 = 144 kN

  $V_{MAX,E}$ = { $\frac{0.66 \cdot S(0.2)I_E \cdot W}{Rd\ Ro}$ = W*0.224 = 595 kN ; $\frac{S(0.5)I_E \cdot W}{Rd\ Ro}$ = W*0.2087 = 555 kN }

SEISMIC LOADS		
EQUIVALENT STATIC (ES) FORCE PROCEDURE OBC 2024 CLAUSE 4.1.8.11	DYNAMIC ANALYSIS (DYI) [1](2)(3) PROCEDURE (INITIAL SCALING FACTOR) OBC 2024 CLAUSE 4.1.8.12	DESIGN (D) LOADS [2]
NORTH-SOUTH: (↑)	NORTH-SOUTH: (↑)	NORTH-SOUTH: (↑)
$V_{d,NS}$ = W * = 595 kN $M_{d,NS}$ = 2835 kNxm	$V_{d,DYN}$ = 650 kN $M_{d,DYN}$ = 3095 kNxm M_{MIN} = 99%	$V_{D,NS}$ = 650 kN $M_{D,NS}$ = 3095 kNxm NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.6 (c) ■ YES ☐ N/A
EAST-WEST: (←→)	EAST-WEST: (←→)	EAST-WEST: (←→)
$V_{d,EW}$ = W * = 595 kN $M_{d,EW}$ = 2835 kNxm	$V_{d,DYN}$ = 680 kN $M_{d,DYN}$ = 3245 kNxm M_{MIN} = 99%	$V_{D,NS}$ = 680 kN $M_{D,NS}$ = 3245 kNxm NON-ORTHOGONAL EFFECTS HAVE BEEN CONSIDERED IN ACCORDANCE WITH 2024 OBC CLAUSE 4.1.8.6 (c) ■ YES ☐ N/A

NOTES:

(1) INITIAL DYNAMIC LOAD SCALING FACTOR
S.F. = $\frac{I_E}{Rd Ro}$ = 0.666
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:

- WIND

  h = 4.8m (HEIGHT OF BUILDING)
  W = 10.4m(MIN EFFECTIVE WIDTH IN ALL DIRECTIONS)
  W = $\frac{\Sigma\ hw}{\Sigma\ h}$

  DYNAMIC SENSITIVITY CLASSIFICATION:
  LOWEST NATURAL FREQUENCY: ■BUILDING LESS THAN 6 STOREYS ■FREQUENCY = 1.98Hz

  (1) NOT SENSITIVE — ■STATIC PROCEDURE
  h/W < 6
  h > 1 Hz
  h < 60
  h/W < 4

  (2) SENSITIVE — DYNAMIC PROCEDURE
  h/W < 6
  1/4 Hz > fn < 1 Hz
  h > 60
  h/W > 4

  (3) VERY SENSITIVE — WIND TUNNEL
  h/W < 6 & HUMAN OCCUPANCY
  fn ≤ 1/4 Hz

  I/W /SLS = 0.75
  I/W /ULS = 1.15

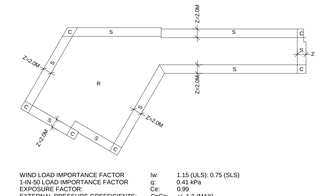
  q = 0.41
  Ce = ■OPEN =VARIES 0.957 TO 0.991 (MIN., MAX.)
  ☐ROUGH = (MIN., MAX.)

  CgCp = 0.75 (1.15 @ ENDS)
  Ct = 1.0
  Cpi = -0.45 - 0.30
  WIND TUNNEL REPORT = ☐YES ■NO
  REPORT BY: N/A
  REPORT # : N/A

  EAST-WEST: (←→) — NORTH-SOUTH: (↑)
  Vbase = 175 kN — Vbase = 79 kN
  Mbase = 830 kN-m — Mbase = 380 kN-m

WIND UPLIFT: (GROSS UPLIFT)

C1: p = 2.92 kPa (CORNER)
S1: p = 3.01 kPa (EDGES)
R1: p = 1.42 kPa (FIELD)



WIND LOAD IMPORTANCE FACTOR		Iw:	1.15 (ULS); 0.75 (SLS)
1-IN-50 LOAD IMPORTANCE FACTOR		q:	0.41 kPa
EXPOSURE FACTOR:		Ce:	0.99
EXTERNAL PRESSURE COEFFICIENTS:		CpCp:	+/- 1.3 (MAX)
INTERIOR WIND PRESSURE CATEGORY:			2
INTERNAL PRESSURE COEFFICIENTS:		CpiCpi:	+/- 0.9
RESULTING IN NET WIND PRESURE:		p:	1.530 kPa (@ ULS)
			1.00 kPa (@ SLS)

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	PL	PLATE
E.E.	EACH END	SFD	STEP FOOTING DOWN
E.F.	EACH FACE	SMR	STANDARD GALVANIZED LADDER
ELL	ELEVATION		MASONRY REINFORCEMENTS
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 DUE TO THIS 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 DEFLECTIONS:
   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: +/- 13mm(1/2")
      DRIFT WITHOUT DAMAGE TO NON-STRUCTURAL COMPONENTS: +/- 50mm(2")
      DRIFT WITHOUT COLLAPSE OF NON-STRUCTURAL COMPONENTS:
   c) CONCRETE CREEP AND EARTHQUAKE BETWEEN FLOORS:
      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-25006852-A0
REPORT AUTHOR: EXP

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.

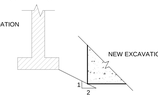
5. BACKFILL TO WITHIN 200mm OF UNDERSIDE OF SLAB WITH GRANULAR 'B' TYPE II IN LAYERS UP TO 12" THICK, COMPACTED TO MINIMUM 100% SPMDD OR AS PER GEOTECHNICAL REPORT.

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.

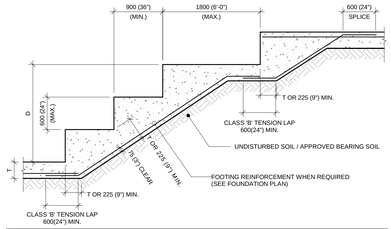
D31-3 PROTECT LATERAL STABILITY OF BEARING STRATA UNLESS NOTED

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 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")

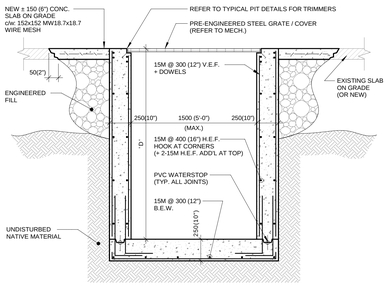
D31-6 ALTERNATE FROST COVER DETAIL

(NOTE: ONLY TO BE USED AFTER WRITTEN APPROVAL BY ENGINEER/WHERE GEOTEC

GENERAL NOTES AND DETAILS

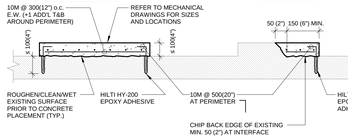
D03-11 PITS/TRENCHES, PADS AND CURBS U/N CONT'D

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



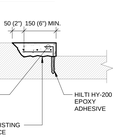
DEEP SUMP / MECH. PITS: 1200 ≤ D ≤ 3000 (4'-0" ≤ D ≤ 10'-0")

SECTION: SHALLOW



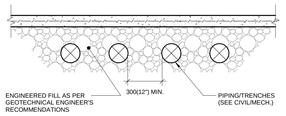
TYPICAL MECHANICAL PADS

SECTION: DEEP

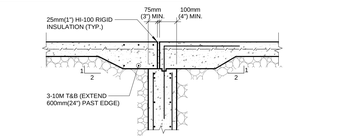


TYPICAL MECHANICAL PAD EXTENSIONS TO EXISTING

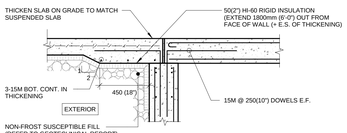
D03-13 UNDERSLAB/UNDERGROUND PIPING TRENCHES



D03-14 EXTERIOR SLAB ON GRADE AT DOORS



SLAB-ON-GRADE



SUSPENDED SLAB

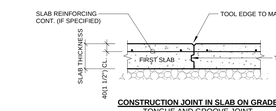
D03-15 CONSTRUCTION JOINTS



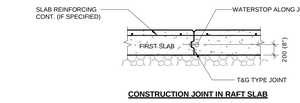
STRUCTURAL SLAB

NOTES:

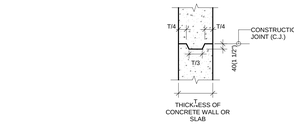
1. WHERE BARS ARE EPOXY COATED INCREASE BAR LENGTHS BY 20%.
2. FOR TRANSFER BEAMS OR BEAMS GREATER THAN 900 DEEP, LOCATION AND DETAIL OF CONSTRUCTION JOINT TO BE APPROVED BY ENGINEER. IT SHALL BE ASSUMED JOINTS ARE NOT PERMITTED FOR TENDERING PURPOSES.
3. CONCRETE SLABS SHALL BE CONCRETED IN SECTIONS 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.



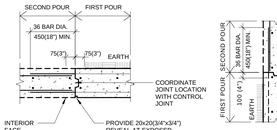
CONSTRUCTION JOINT IN SLAB ON GRADE
TONGUE AND GROOVE JOINT



CONSTRUCTION JOINT IN RAFT SLAB



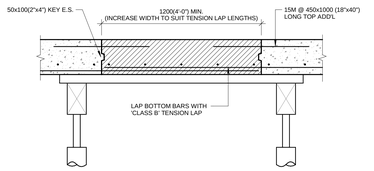
CONSTRUCTION JOINT KEY DETAIL



CONSTRUCTION JOINTS IN WALLS

VERTICAL JOINT **HORIZONTAL POUR**

D03-16 CLOSURE STRIP



NOTES:

1. SLABS ON E.S. OF CLOSURE STRIPS TO BE CONCRETED FIRST.
2. ALL FORMS IN BAY CONTAINING CLOSURE STRIP SHALL REMAIN IN PLACE UNTIL THE CONCRETE IN THE CLOSURE STRIP IS >10 DAYS OLD.
3. CLOSURE STRIP SHALL BE CONCRETED 28 DAYS (OR MORE) AFTER ADJACENT PORTIONS OF THE SLAB.
4. AFTER REMOVAL OF THE FORMS RESHORE THE ENTIRE BAY & KEEP SHORES IN PLACE UNTIL CONCRETE IN CLOSURE STRIP IS 28 DAYS OLD. IF THE SLABS ARE TO BE SUBJECT TO CONSTRUCTION LOADS ADEQUATE SHORES SHALL BE PROVIDED AND REMAIN IN POSITION FOR SUCH TIME AS THE LOADS ARE IMPOSED.
5. FORMS & SHORES UNDER CLOSURE STRIP TO STAY IN POSITION UNTIL CONCRETE IN THE STRIP IS 28 DAYS OLD.
6. REINFORCING SHOP DRAWINGS REQUIRED TO SHOW REINFORCING DETAILING/ADDITIONAL BARS AT STRIPS.

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.

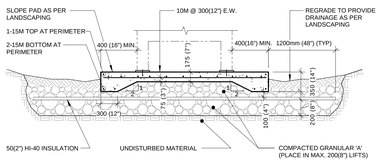
LOCATION	28 DAY STRENGTH	SLUMP (SEE NOTE 6)	CLASS OF EXPOSURE
SLAB ON GRADE (INTERIOR)	25 MPa		N
SLAB ON GRADE (EXTERIOR)	32 MPa		C-2
FOUNDATION WALLS (NOT IN SHEAR WALLS OR COLUMNS)	25 MPa		F-2
FOOTINGS	REFER TO SCHEDULES		
INTERIOR COLUMNS/PIERS	25 MPa		N
PAVEMENT & WALKS	32 MPa		C-2
RETAINING WALLS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

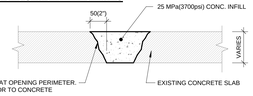
1. MINIMUM ALLOWABLE COMPRESSIVE STRENGTH SHALL BE 30 MPa (4400psi) AT 28 DAYS OF AGE, UNLESS OTHERWISE NOTED AS SHOWN.
2. IF BLENDED NORMAL PORTLAND CEMENT/CEMENTITIOUS HYDRAULIC SLAG IS USED EXCEPT FOR FLOOR MIXES. SLAG CONTENT SHALL NOT BE MORE THAN 25% OF TOTAL MASS OF CEMENT. TOTAL VOLUME OF CEMENT 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



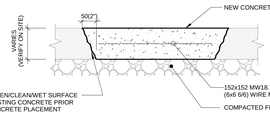
NOTE:
PROVIDE EXTERIOR PADS AS REQUIRED. REFER TO ARCH/LANDSCAPE DWGS FOR LOCATIONS/DIMENSIONS

D03-19 SUSPENDED SLAB INFILL DETAILS

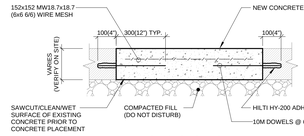


TYPICAL SLAB INFILL: OPENING < 300x300 (12"x12")

D03-20 SLAB ON GRADE REMOVAL/REINSTATEMENT



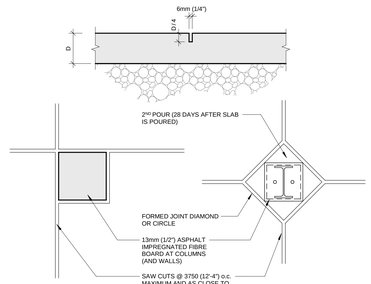
OPTION 1: NO DOWELS

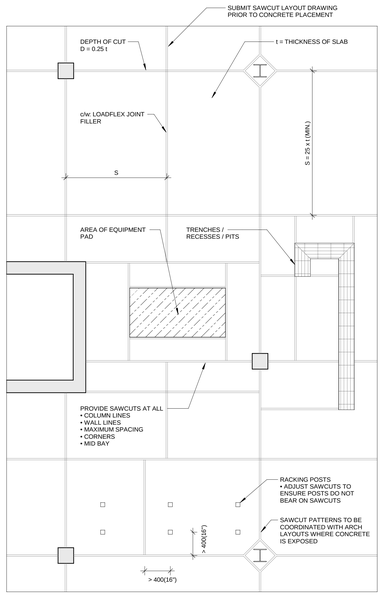


OPTION 2: DOWELS

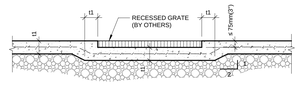
D03-26 SLAB ON GRADE CONTROL JOINTS AND SAWCUTS

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.



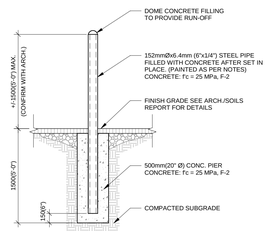


TYPICAL SAWCUT PATTERNS



RECESSED FLOOR GRATES

D03-29 TYPICAL BOLLARD DETAILS



DETAIL: TYPICAL BOLLARD AT GRADE

D04 MASONRY

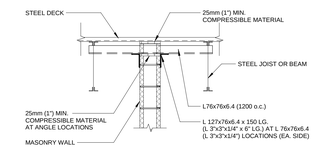
D04-1 GENERAL

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):

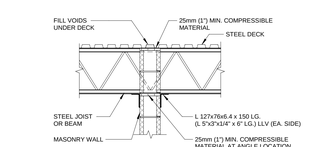
WALL THICKNESS	LOADBEARING	NON-LOADBEARING
140mm (6")	HORIZ. SMR @ 200 (8") OR HDMR @ 400 (16") VERT. 1-15M @ 800 (32")	HORIZ. SMR @ 400 (16") VERT. 1-10M @ 1200 (48")
190mm (8")	HORIZ. HDMR @ 200 (8") & 400 (16") (ALTERNATE) VERT. 1-20M @ 1000 (48")	HORIZ. HDMR @ 600 (24") VERT. 1-15M @ 1200 (48")
240mm (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.
6. 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 15 MPa (2200 psi)
   - SOLID CONCRETE BLOCK (GROSS AREA) 15 MPa (2200 psi)
7. TYPE 'S' MORTAR SHALL BE USED FOR MASONRY. MIN. STRENGTH fm= 13 MPa (1800 psi) HOLLOW BLOCK AND fm = 10 MPa (1450 psi) SOLID/GROUTED
8. NON-SHRINK GROUT TO BE A MINIMUM OF 15 MPa (2000 psi) MIN. SLUMP OF 225mm (9"). ALL GROUT TO BE FINE.
9. 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).
10. INTERSECTING OR ABUTTING WALLS SHALL BE BONDED ADEQUATELY TOGETHER. EXTENT OF HMR AS PER ABOVE NOTE 2. TOOTH TOGETHER WHERE POSSIBLE.
11. PROVIDE MINIMUM 25mm(1") GROUT UNDER ALL WALL PLATES AND BASE PLATES.
12. MASONRY UNITS WILL BE RUNNING BOND U.N.O.
13. HORIZONTAL BOND BEAMS TO BE KNOCK OUT PANEL BLOCKS.
14. 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.
15. PROVIDE MIN. 1-15M IN MIN. SINGLE COURSE FULLY GROUTED BOND BEAM AT TOP OF ALL NON-LOADBEARING WALLS.
16. PROVIDE DEFLECTION CLIPS AT TOP OF ALL NON-LOADBEARING WALLS AS PER DETAILS BELOW.

NON-LOADBEARING MASONRY WALL AT STEEL STRUCTURE

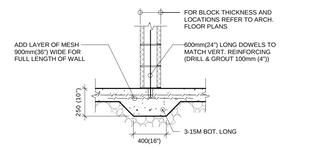


WALL PARALLEL TO JOIST/BEAM

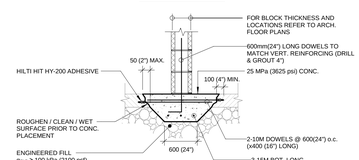


WALL PERPENDICULAR TO JOIST/BEAM

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



NEW WALL/ NEW SLAB

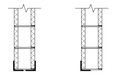


NEW WALL / EXISTING SLAB

D04-4 MASONRY LINTELS

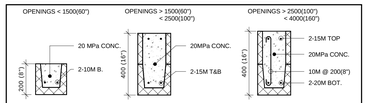
D04-4.1 MASONRY LINTELS FOR EXISTING NON-LOADBEARING WALLS

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



PROVIDE 200mm(8") MINIMUM BEARING AT SUPPORTS

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

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

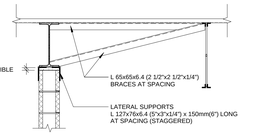
SPANS < 1200(48"), 90x90x6.4 (L 3 1/2"x3 1/2"x1/4")
SPANS < 1800(72"), 102x90x7.9 (L 4"x3 1/2"x5/16")
SPANS < 2400(96"), 127x90x7.9 (L 5"x3 1/2"x5/16")
SPANS < 3000(120"), 152x102x10 (L 6"x4"x3/8")



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.

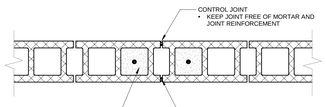
D04-5 BLOCK AT U/S OF BEAM

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

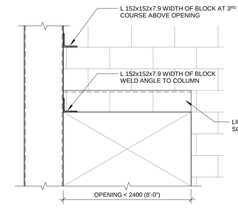


MAX. SPACING OF 9000mm (30'-0") U.N.O. (SEE PLANS AND SPECS.)

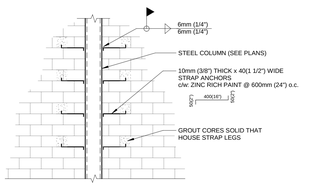
MOVEMENT JOINTS IN CONCRETE BLOCK WALLS

D04 MASONRY TYPICAL DETAILS

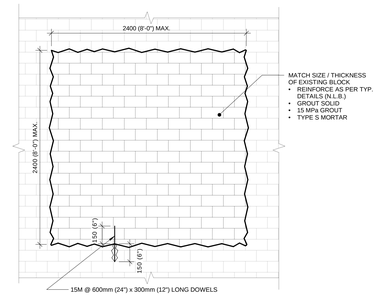
MASONRY LINTELS FOR NEW NON-LOADBEARING WALLS



MASONRY SUPPORT AT STEEL COLUMN



MASONRY TIES AT STEEL COLUMN



BLOCK INFILL

SEALS

LICENSED PROFESSIONAL ENGINEER T. CAIN 100153091 2025/05/29 PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

GENERAL NOTES AND DETAILS

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No: 25-1159	DRAWING No: S001	
SCALE: AS INDICATED		

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:25 PM

GENERAL NOTES AND DETAILS

D05 STEEL

D05-1 STRUCTURAL STEEL

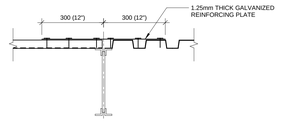
STRUCTURAL STEEL SHALL COMPLY WITH CAN3-S16.1-14 UNLESS OTHERWISE NOTED.

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)
CONNECTION BOLTS	A325 (BEARING TYPE)
ANCHOR BOLTS	A307 (UNLESS OTHERWISE NOTED IN BASEPLATE SCHEDULE)
BRACE FRAME/BEARING PLATES	G40.21M - 300W

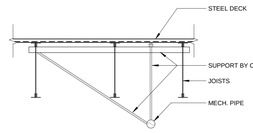
1. ALL STEEL WORK SHALL BE GIVEN ONE COAT OF APPROVED PRIMER.
2. FIELD AND SHOP CONNECTIONS SHALL BE WELDED OR HIGH TENSILE BOLTED (ASTM STANDARD A325).
3. WELDING SHALL CONFORM TO LATEST CSA SPECIFICATIONS W59 AND BE UNDERTAKEN BY A FABRICATOR APPROVED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS 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 10M12M/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.

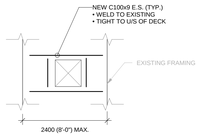


DETAIL AT DECK DIRECTION CHANGE



- 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 DRAWINGS SUBMISSION AND COORDINATED WITH STEEL ENGINEER'S DRAWING/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.)

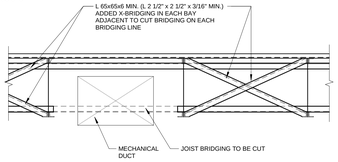
D05-3 STEEL JOISTS AND BRIDGING: S16.1-14 AND S136-M94

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.

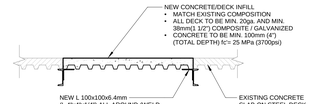
7. a) PROVIDE 1 ROW OF HORIZONTAL BRIDGING AT FIRST BOTTOM CHORD PANEL POINT AT EACH END OF JOIST. PROVIDE ADDITIONAL CROSS BRIDGING AS INDICATED ON PLAN.

   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.



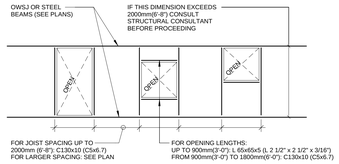
TYPICAL DETAIL WHERE BOTTOM CHORD JOIST BRIDGING AND / OR BRACING IS REQUIRED TO BE CUT DUE TO INTERFERENCE BY MECHANICAL DUCTWORK

D05-4 EXISTING FLOOR / ROOF INFILLS



TYPICAL SLAB INFILL: OPENING < 1200x1200 (4'-0" x 4'-0")

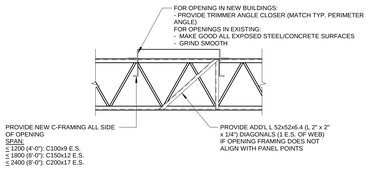
D05-5 TYPICAL DETAILS FOR TRIMMING TO OPENINGS THROUGH STEEL DECK (NO TOPPING)



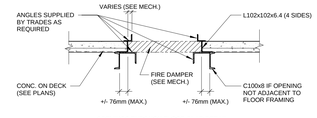
NOTES:

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)

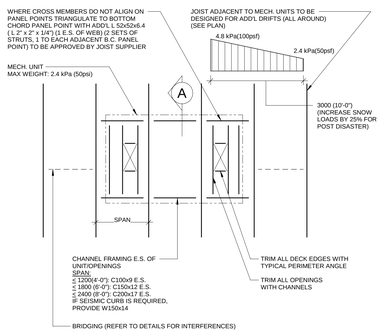


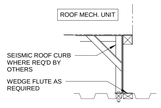
SECTION: ROOF DECK OPENINGS (NEW/EXISTING)



OPENINGS THROUGH FLOOR SLAB DETAIL

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

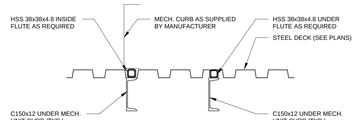




SECTION A

NOTES:

1. DIMENSIONS TO SUIT UNIT ROOF MOUNTING FRAME.
2. REFER TO MECH./ARCH. DWGS FOR SIZE, NUMBER & LOCATION OF UNITS.
3. WEDGE THE 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 19mmØ 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

SEALS

LICENSED PROFESSIONAL ENGINEER
T. CAIN
100153031
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

GENERAL NOTES AND DETAILS - STEEL

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No: 25-1159	DRAWING No: S002	
SCALE: AS INDICATED		

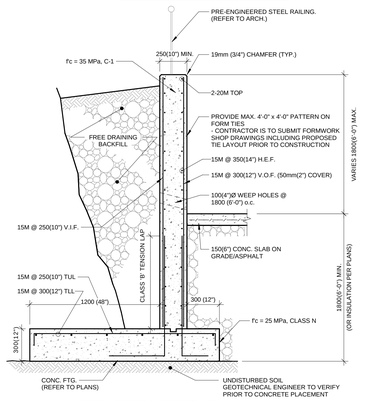
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:25 PM

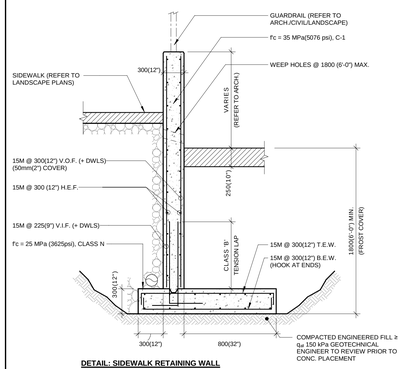
0 50 100

GENERAL NOTES AND DETAILS

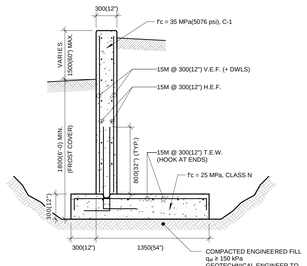
NOTE
REFER TO SITE, LANDSCAPE AND ARCHITECTURAL PLANS FOR WALL EXTENTS



DETAIL: EXTERIOR RETAINING WALL

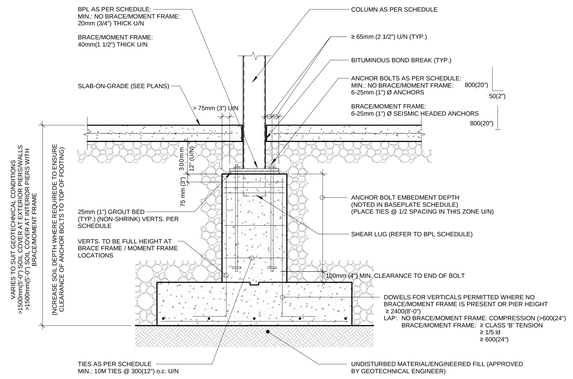


DETAIL: SIDEWALK RETAINING WALL



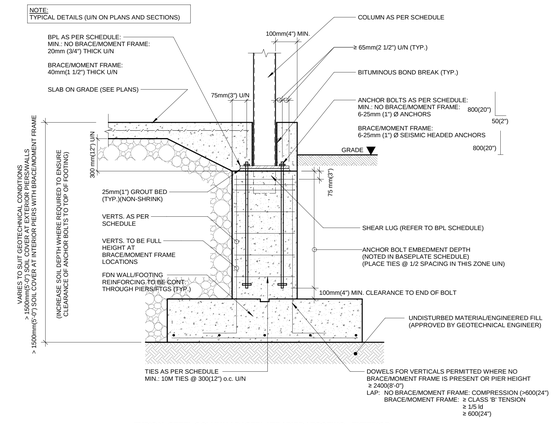
DETAIL: PLANTER RETAINING WALL

NOTE:
TYPICAL DETAILS (U/N ON PLANS AND SECTIONS)



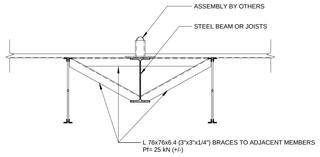
TYPICAL STEEL COLUMN / BASEPLATE / PIER / FOOTING - INTERIOR

NOTE:
TYPICAL DETAILS (U/N ON PLANS AND SECTIONS)

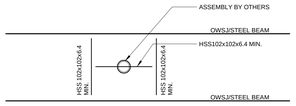


TYPICAL STEEL COLUMN / BASEPLATE / PIER / FOOTING - EXTERIOR

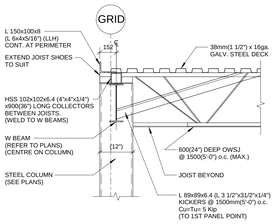
TYPICAL STEEL DETAILS



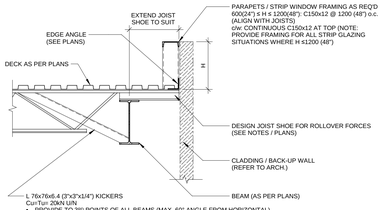
TYPICAL ROOF SAFETY ANCHOR AT BEAM/JOIST



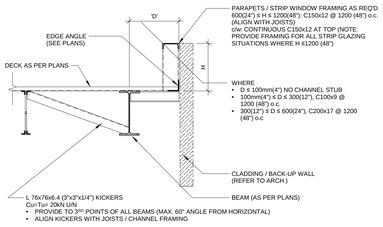
TYPICAL ROOF SAFETY ANCHOR PLAN BETWEEN BEAMS/JOIST



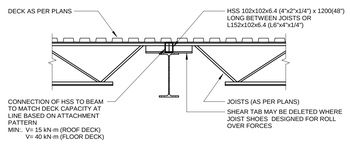
SECTION: ROOF EDGE PERPENDICULAR TO JOISTS



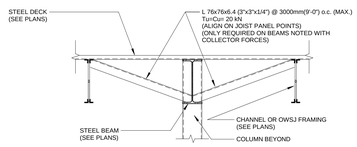
JOIST AT EDGE PARAPET DETAIL (TYP.)



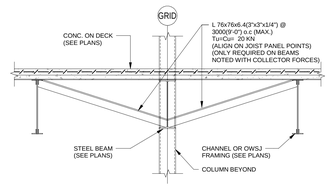
BEAM AT EDGE PARAPET DETAIL (TYP.)



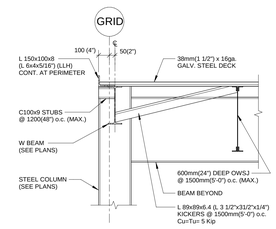
TYPICAL SHEAR TAB
PROVIDE ON ALL BRACE FRAME / MOMENT FRAME LINES U/N



ROOF COLLECTOR BEAM STABILIZERS



DETAIL: FLOOR: COLLECTOR BEAM STABILZERS



SECTION: ROOF EDGE PARALLEL TO JOISTS

SEALS

LICENSED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

TYPICAL CONCRETE, STEEL & MASONRY DETAILS

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No	DRAWING No	
25-1159	S003	
SCALE		
AS INDICATED		

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:26 PM

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F1	1200 x 1200 x 300	5-15M B.E.W qULS<1000kPa
F1A	1200 x 1200 x 450	5-15M B.E.W qULS<1000kPa
F2	2000W x 450 Dp	20M @ 150c.c.T&B.E.W qULS<1000kPa
SF-1	700 x 300 Dp	3-15M BOT CONT. qULS<1000kPa
SF-2	1000 x 300 Dp	4 - 15M BOT CONT qULS < 1000 kPa

NOTES:

1. ALL FOOTINGS TO BEAR ON SUITABLE BEARING STRATA AS APPROVED BY GEOTECHNICAL ENGINEERIN ACCORDANCE WITH GEOTECHNICAL REPORT WITH MINIMUM BEARING PRESSURES NOTED IN TABLE.
2. PROVIDE MINIMUM 1500(5'-0") FROST COVER TO ALL FOOTINGS EXPOSED TO EXTERIOR CONDITIONS UIN ON DRAWINGS/GEOTECHNICAL REPORT.
3. CONCRETE STRENGTH: f'c = 25 MPa UIN
4. TOPS OF INTERIOR FOOTINGS/WALL/PIERS TO BE A MINIMUM OF 300(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 UIN.
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.

FOUNDATION WALL SCHEDULE

MARK	Description	WALL THICKNESS	REINFORCING
FW-1	TYPICAL EXTERIOR FOUNDATION WALL	+/-425 (REFER TO ARCH)	15M @ 400 H.E.F. 15M @ 400 V.E.F. + DWLS 2-15M H.E.F. ADD'L AT TOP f'c = 25MPa F-2
FW-2	TYPICAL EXTERIOR FOUNDATION WALL	+/-375 (REFER TO ARCH)	15M @ 400 H.E.F. 15M @ 400 V.E.F. + DWLS 2-15M H.E.F. ADD'L AT TOP f'c = 25MPa F-2

NOTES:

1. CONCRETE STRENGTHS: UIN: (MIN.)
   - FROST WALLS (NO BASEMENT): 25 MPa, F-2
1. SEE SECTIONS / TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
2. ALL WALLS TO BE CONTINUOUS IN VERTICAL / HORIZONTAL BARS
   - BASEMENT WALLS:
     - HORIZONTAL BARS: CLASS 'B' TENSION LAP (BOT. BARS)
     - VERTICAL BARS: CLASS 'B' TENSION LAP (TOP 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:

TYPICAL WALL

AREAWELL WALL

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.

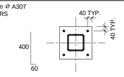
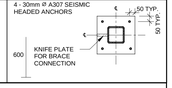
PIER SCHEDULE

MARK	SIZE (mm)	REINFORCING
P1	550x550	12-20M VERT. 3-10M TIES @ 300 o.c. + ADD'L TIE GROUP AT TOP
P2	650x650	16-20M VERT. 3-10M TIES @ 300 o.c. + ADD'L TIE GROUP AT TOP

NOTES:

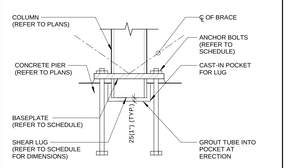
1. TOPS OF PIERS TO BE -300mm (-12") BELOW TOP OF SLAB ON GRADE (U.N.O.).
2. TOPS OF EXTERIOR PIERS TO BE AT +/- 150mm ABOVE FINISHED GRADE (REFER TO ARCH.)
3. PIERS DIMENSIONS ARE TO BE CENTRED ON SUPPORTED COLUMNS (U.N.O.). INCREASE CONCRETE SIZE TO SUIT FOUNDATION WALL OFFSETS.
4. VERTICAL BARS IN 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. 1.5ld) MAY BE USED WHERE HEIGHT OF PIER EXCEEDS 2400 (8'-0").
5. CONCRETE STRENGTH: f'c = 25 MPa
   EXTERIOR OR EXTERIOR WALL: CLASS F-2
   INTERIOR: CLASS N
6. PROVIDE ADDITIONAL GROUP OF TIES AT TOP 150mm(6") SPACING

BASEPLATE SCHEDULE

MARK	SIZE (LxWxT)	NOTES
BPL1	300x300x20	4 - 20mm Ø A307 ANCHORS 
BPL2	350x350x25	4 - 30mm Ø A307 SEISMIC HEADED ANCHORS 

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 SHEAR LUG DETAIL: (REFER TO SCHEDULE FOR LOCATIONS)



5. 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: 62x63x16mm	(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")

6. 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.

STEEL COLUMN SCHEDULE

MARK	Column Size	NOTES
SC1	HSS 152x152x6.4	

NOTES:

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

REQUIRED SUBMITTALS

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

ITEM	REQ'D SUBMITTAL	ENGINEER 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
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	

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	

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

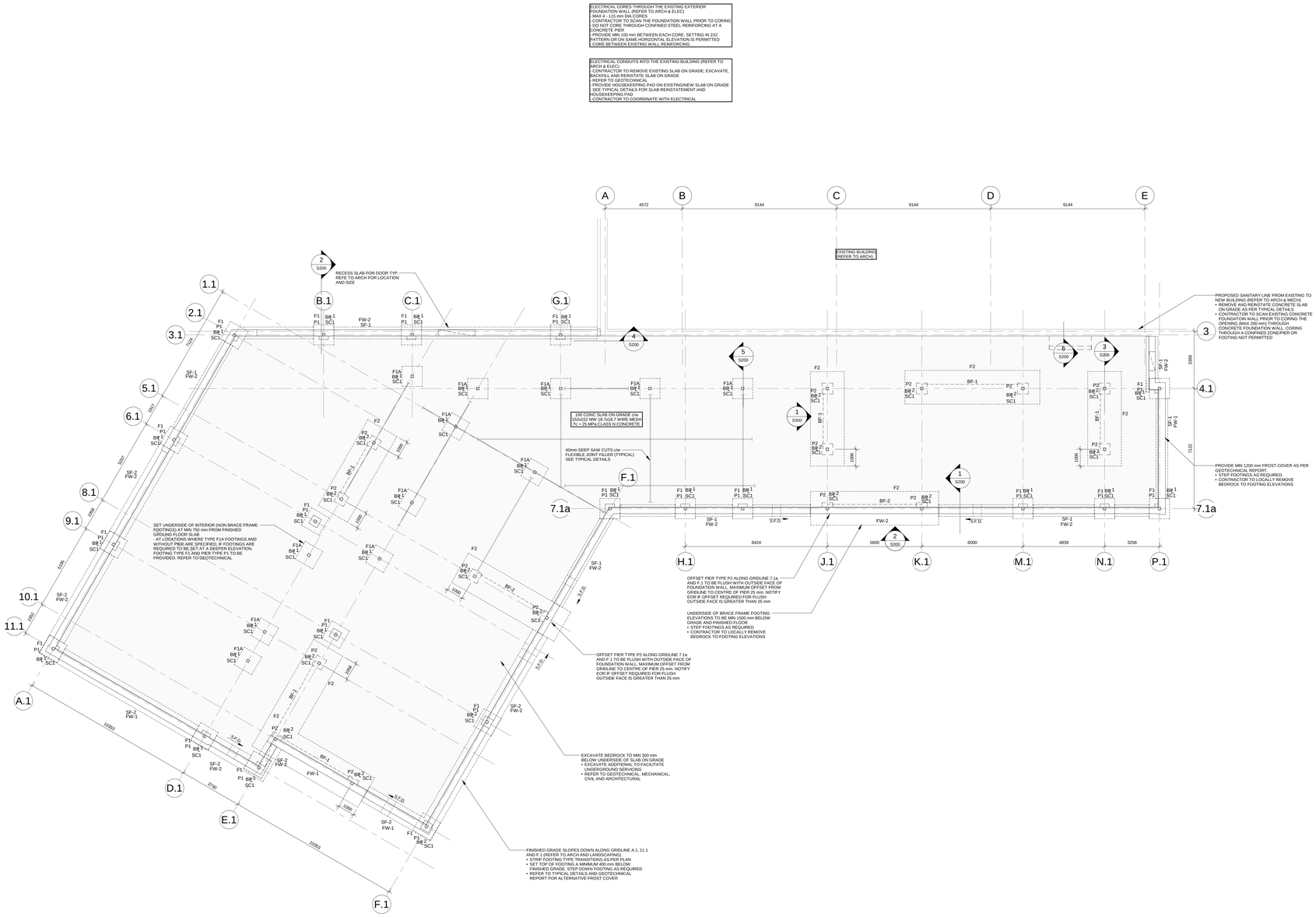
SCHEDULES

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No: 25-1159		DRAWING No: S004
SCALE: As indicated		

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on: 2026-05-28 4:15:27 PM

0 50 100



GROUND FLOOR PLAN

SCALE: 1 : 100

SEALS

LICENSED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

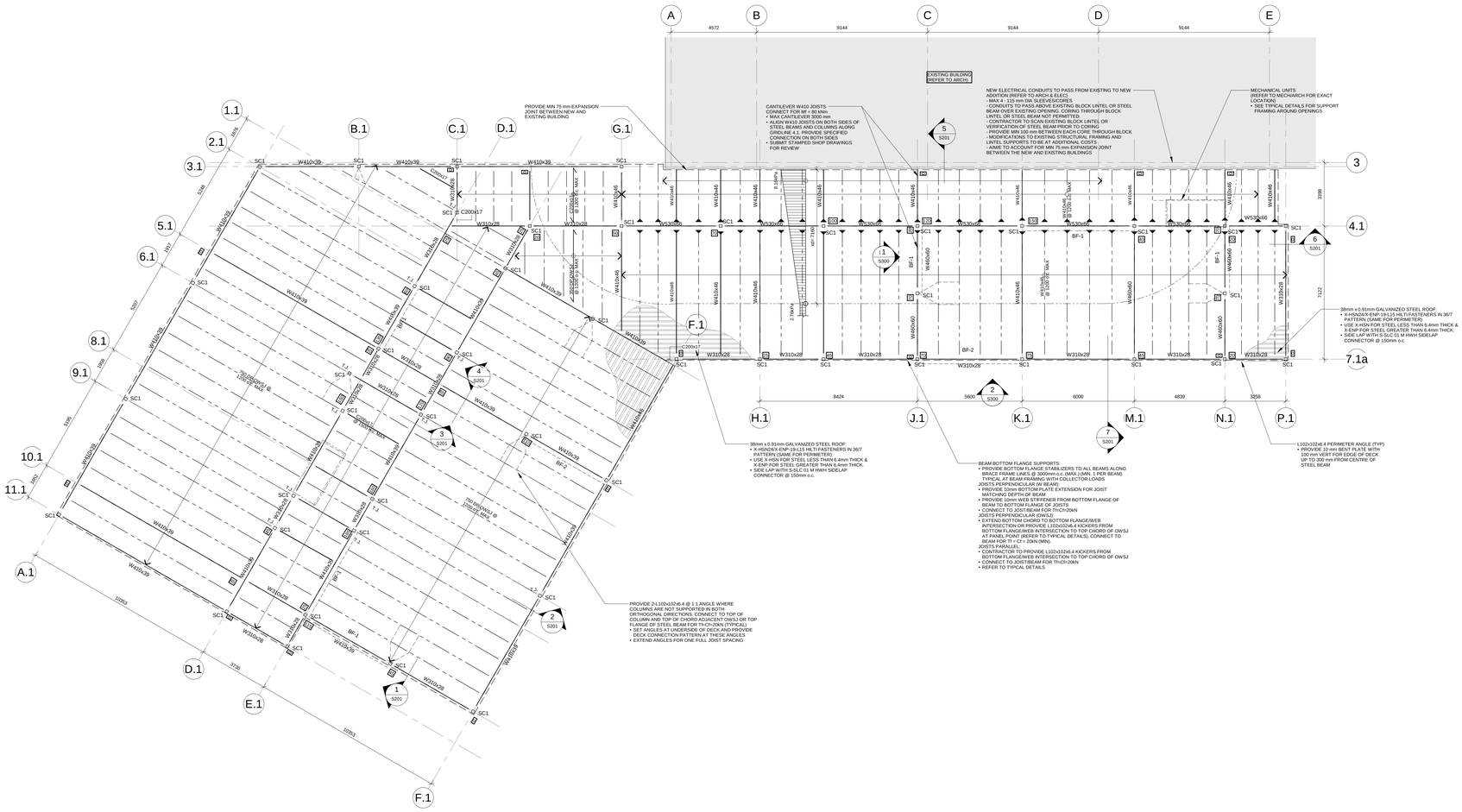
DRAWING TITLE

GROUND FLOOR

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No: 25-1159	DRAWING No: S100	
SCALE: 1 : 100		

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:28 PM



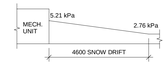
PLAN VIEW - ROOF

SCALE: 1 : 100

RTU NOTES:

- UNIT WEIGHT (REFER TO MECH): MAX. 3000 lbs (14kN)
- REVIEW SUPPORTING FRAMING AROUND UNIT FOR SNOW DRIFTS (ALL LOCATIONS)
- CONTRACTOR TO PROVIDE ALL MECH UNIT WEIGHTS/CURB ATTACHMENTS/SEISMIC LOADS/ANCHOR CONNECTIONS TO ENGINEER PRIOR TO STEEL FABRICATION/SHOP DRAWING APPROVAL.
- ESTIMATED SEISMIC OVERTURN FORCES FROM UNIT: (TO BE CONFIRMED BY CONTRACTOR'S ENGINEER)
- DESIGN SUPPORTS TO RESIST MINIMUM OVERTURNING FORCES AS NOTED (+/LSD LOADS)
- VERIFY ALL DIMENSIONS/WEIGHTS/CURB HEIGHTS WITH MECH/ARCH/UNIT SUPPLIER PRIOR TO FABRICATION.
- CONTRACTOR'S ENGINEER RESPONSIBLE TO VERIFY ALL INFORMATION PRESENTED.
- INFORMATION PROVIDED IS FOR ESTIMATING PURPOSES ONLY. CONTRACTOR REQUIRED TO PROVIDE JOIST FABRICATOR WITH ALL LOADING INFORMATION FROM CURB DESIGNER PRIOR TO SHOP DRAWING SUBMITTAL/FABRICATION.

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



ROOF:

DEAD:	38 STEEL DECK	0.10 kPa
	FRAMING	0.30 kPa
	ROOFING	0.60 kPa
	CEILING	0.30 kPa
	MECH	0.30 kPa
	TOTAL	1.60 kPa
LIVE:	ROOF	1.00 kPa
SNOW:		2.76 kPa + DRIFT

NOTES:

T.J. DENOTES TIE JOIST

OP.WT DENOTES OPERATING WEIGHT OF ROOFTOP UNIT (UN)

-150 DENOTES TOP OF STEEL ELEVATION (i.e. UNDERSIDE OF DECK) AT END OF BEAM/OWSJ RELATIVE TO HIGH POINT (REFER TO ARCH. FOR ADD'L INFO.) BEAMS SUPPORTING OWSJ TO BE LOWERED BY OWSJ SHOE DEPTH.

# DENOTES SEISMIC AXIAL LOAD IN DIAPHRAGM COLLECTOR BEAMS (FOR CONNECTION DESIGN). LOADS HAVE NOT BEEN AMPLIFIED BY Rd.

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

- 100mm OWSJ SHOES (TYP) UNLESS NOTED OTHERWISE
- ALL OWSJ FRAMING INTO COLUMNS TO BE TIE JOISTS
- PROVIDE ADDITIONAL FRAMING UNDER ROOFTOP UNIT 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 ROLL OVER FORCES (INCLUDING AMPLIFICATION FACTORS) DUE TO SEISMIC LOADS:
  - ROOF 20kN
- DECK CONNECTION PATTERN: SEE PLAN.
- PROVIDE SHEAR TABS AS INDICATED IN TYPICAL DETAILS IF JOIST SHOES CANNOT BE DESIGNED FOR ROLL OVER FORCE.
- DESIGN OWSJ TO SUPPORT SUSPENDED PARTITIONS SHOWN, WITH CONCENTRATED LOAD AT ANY POINT ALONG LENGTH.
- OWSJ AND BRIDGING MUST SATISFY MINIMUM DESIGN AND DIMENSIONAL REQUIREMENTS OF APPLICABLE FIRE RESISTANCE RATING DESIGNS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- OWSJ MINIMUM TOP CHORD THICKNESS 6.4mm

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

N

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	RÉVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

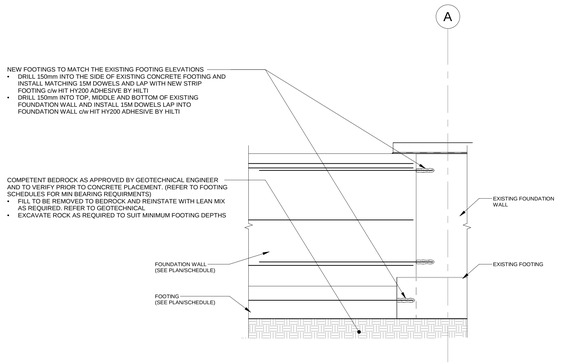
ROOF PLAN

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No	DRAWING No	
25-1159	S101	
SCALE		
As indicated		

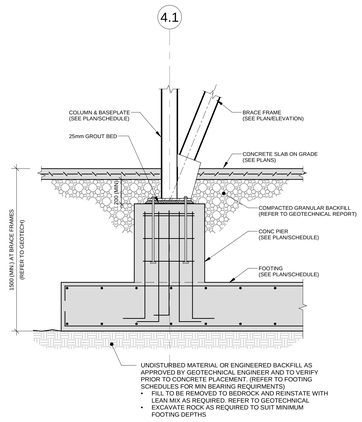
FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:28 PM

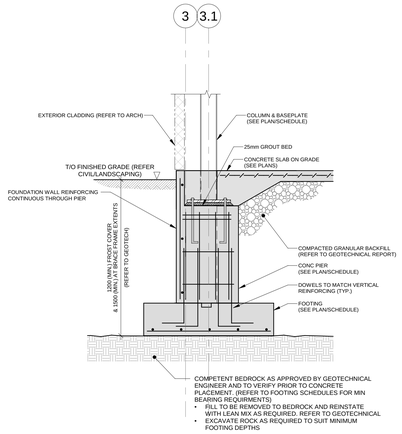
0 50 100



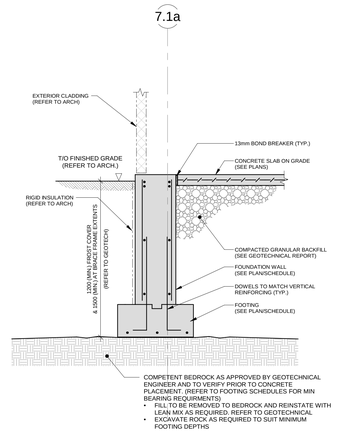
4 SECTION: CONNECTION OF EXISTING FOUNDATION WALL WITH NEW
1 : 20



3 SECTION: INTERIOR BRACE FRAME FOOTING
1 : 20



2 SECTION: TYPICAL FOUNDATION WALL (PIER)
1 : 20



1 SECTION: TYPICAL EXTERIOR FOUNDATION WALL
1 : 20



6 SECTION: SLAB ON GRADE AT EXISTING (DOORWAY)
1 : 20



5 SECTION: INTERIOR FOOTING
1 : 20

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

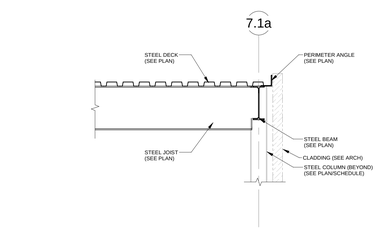
SECTIONS

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No	DRAWING No	
25-1159	S200	
SCALE		
AS INDICATED		

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

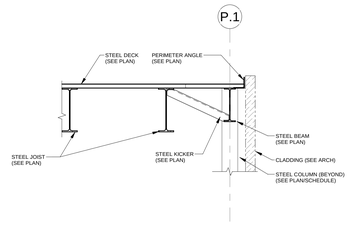
Printed on 2026-05-28 4:15:30 PM

0 50 100



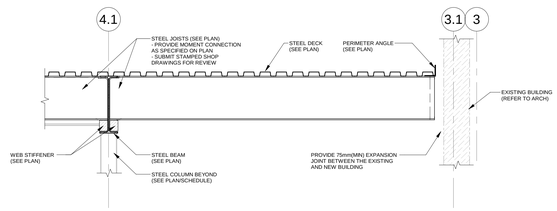
7 SECTION: ROOF JOISTS (W SECTION - PERPENDICULAR)

1 : 20



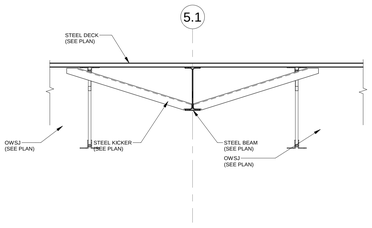
6 SECTION: ROOF JOISTS (W SECTION - PARALLEL)

1 : 20



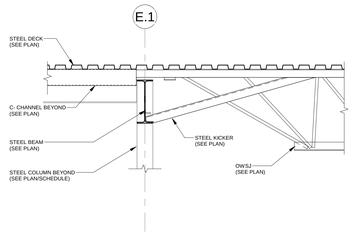
5 SECTION: CANTILEVERED JOISTS (GRID 4.1)

1 : 20



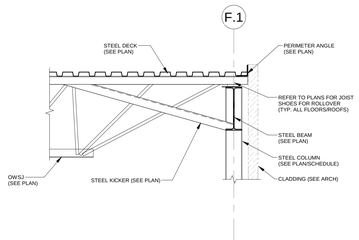
4 SECTION: ROOF INTERIOR BEAM (OWSJ PARALLEL)

1 : 20



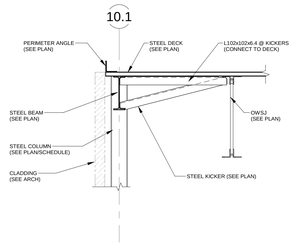
3 SECTION: ROOF INTERIOR BEAM (OWSJ PERPENDICULAR)

1 : 20



2 SECTION: TYPICAL ROOF EDGE (OWSJ PERPENDICULAR)

1 : 20



1 SECTION: TYPICAL ROOF EDGE (OWSJ PARALLEL)

1 : 20

BPA

SEALS



PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

SECTIONS

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C

BPA PROJECT No: 25-1159

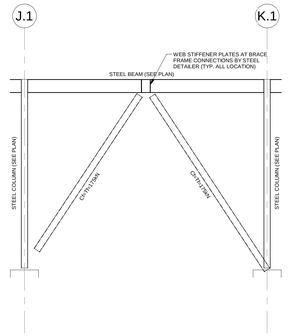
SCALE: AS INDICATED

DRAWING No: S201

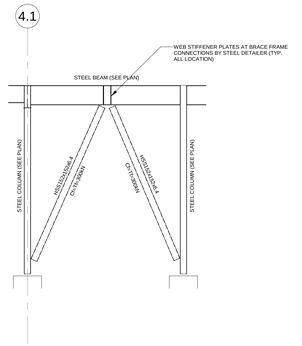
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

BRACE FRAME:

- TYPE: CONVENTIONAL CONSTRUCTION
  Ro=1.5
  Ro=1.3
- BRACE FRAME AND MOMENT FRAME CONNECTIONS TO CONFORM TO CLAUSE27.11.1 THROUGH 27.13.3 OF S16-19
- CONNECTION DESIGN TO BE IN ACCORDANCE WITH 27.11 OF S16-19. FORCES NOTED ON BRACES ARE SEISMIC LOADS AND HAVE NOT BEEN APPLIFIED
- LOADING INDICATED IN BRACE FRAME ELEVATIONS HAVE NOT BEEN AMPLIFIED OR FACTORED
- DESIGN SHEAR CONNECTIONS FROM RESULTING UNIFORMLY DISTRIBUTED LOADING GIVING FLEXURAL CAPACITY IF SIMPLY SUPPORTED
- REFER TO PLANS AND SCHEDULES FOR BEAM, COLUMN AND BASEPLATE SIZE
- COLLECTOR FORCES ARE SHOWN ON PLAN (COLLECTOR FORCES DO NOT INCLUDE AMPLIFICATION FACTORS)



2 BRACE FRAME ELEVATION: BF-2 (2 TOTAL)
1 : 50



1 BRACE FRAME ELEVATION: BF-1 (6 TOTAL)
1 : 50

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
T. CAIN
100153091
2025/05/29
PROVINCE OF ONTARIO

PLAN CLÉ

CLIENT

CATHOLIC SCHOOL BOARD

ARCHITECT

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	RÉVISION	PAR
1	2026-05-29	ISSUED FOR PERMIT AND TENDER	AD
0	2026-03-27	ISSUED FOR 99% & PERMIT	AD
B	2025-12-03	ISSUED FOR 66%	WL
A	2025-11-17	ISSUED FOR 66% COORDINATION	AD

PROJECT

J.-L.-COUROUX (2025JLC117)
10 FINDLAY AVE., CARLETON PLACE, ON K7C 4K1

DRAWING TITLE

BRACE FRAME ELEVATIONS

DRAWING	DESIGN	VERIFICATION
A.D	Designer	T.C
BPA PROJECT No	DRAWING No	
25-1159	S300	
SCALE		
AS INDICATED		

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_S_ST.rvt

Printed on 2026-05-28 4:15:31 PM

0 50 100

VENTILATION

SUPPLY DUCT UP

SUPPLY DUCT DOWN

RETURN OR EXHAUST DUCT UP

RETURN OR EXHAUST DUCT DOWN

DUCT OFFSET

DUCT OFFSET

TAP WITH BOOT TYPE CONNECTION

ELBOW WITH TURNING VANES

ROUND TAP WITH BOOT TYPE CONNECTION

BALANCING DAMPER (WITH ACCESS DOOR)

MOTORIZED DAMPER (WITH ACCESS DOOR)

LEAK-PROOF MOTORIZED DAMPER (WITH ACCESS DOOR)

FIRE DAMPER (WITH ACCESS DOOR)

FIRE AND SMOKE MOTORIZED DAMPER (WITH ACCESS DOOR)

RECTANGULAR TO ROUND TRANSITION

FLEXIBLE CONNECTION (CANVAS)

LINEAR DIFFUSER : QUANTITY AND DIRECTION OF ARROWS INDICATES NUMBER AND DIRECTION OF SLOTS

RETURN OR EXHAUST LINEAR GRILLE : QUANTITY OF ARROWS INDICATES NUMBER OF SLOTS

2-WAY DIFFUSER : UNSHADED PART INDICATES OUTLET DIRECTION

4-WAY DIFFUSER

ROUND DIFFUSER

CEILING RETURN OR EXHAUST GRILLE

ROOM THERMOSTAT

OUTDOOR AIR

SUPPLY

RETURN AIR

GENERAL EXHAUST

SANITARY EXHAUST

GRILLES AND DIFFUSERS IDENTIFICATION

QUANTITY

TYPE (SEE SPECIFICATION)

CAPACITY

(L/S) LITRES PER SECOND

2AA-200
300x300

SIZE

OAI OUTDOOR AIR INTAKE

EAO EXHAUST AIR OUTLET

SECTIONS,VIEWS AND DETAILS

SECTION "B" ON CURRENT DRAWING

SECTION "B" ON INDICATED DRAWING

DETAIL "1" ON CURRENT DRAWING

DETAIL "2" ON INDICATED DRAWING

GENERAL

AD ACCESS DOOR

NC NORMALLY CLOSED

NO NORMALLY OPEN

UP PIPE UP

DN PIPE DOWN

TO REMAIN

TO REMOVE

DISMANTLING POINT

CONNECTION POINT TO EXISTING

CAPPED FOR FUTURE CONNECTION

EQUIPMENT SUPPLIED BY OTHERS

EQUIPMENT DRAINAGE TO FUNNEL DRAIN

INV INVERT

GENERAL REVISION

PLUMBING / HEATING / FIRE PROTECTION

"P" TRAP

CHECK VALVE

CLEANOUT

CLEANOUT WITH FLOOR ACCESS

NFHB NON-FREEZE HOSE BIBB WITH INTEGRAL VACUUM BREAKER

WM WATER METER

CONCENTRIC REDUCER

ECCENTRIC REDUCER

UNION TYPE JOINT

STRAINER

BFP BACKFLOW PREVENTER

GATE VALVE (OPEN)

GATE VALVE (CLOSED)

ECCENTRIC OR PLUG VALVE (OPEN)

ECCENTRIC OR PLUG VALVE (CLOSED)

BUTTERFLY OR BALL VALVE (OPEN)

BUTTERFLY OR BALL VALVE (CLOSED)

RELIEF VALVE

MOTORIZED BALL OR BUTTERFLY VALVE (OPEN)

MOTORIZED BALL OR BUTTERFLY VALVE (CLOSED)

PRESSURE REDUCING VALVE

PRESSURE GAUGE

AUTOMATIC AIR VENT

MANUAL AIR VENT

THERMOMETER

BALANCING VALVE (CBV VALVE)

CIRCULATOR OR PUMP

RD ROOF DRAIN

FD FLOOR DRAIN

ABC EXTINGUISHER (SEMI-RECESSED CABINET)

WCD WALL ACCESS FLOOR DRAIN

PSA PUMPED SANITARY DRAINAGE

STORMWATER DRAINAGE

POTABLE COLD WATER (PCW)

POTABLE HOT WATER (PHW)

HOT WATER RECIRC (HWR)

NG NATURAL GAS

DRAWING LIST

PLAN NO.	DISCIPLINE	SUB-DISCIPLINE	PLAN NAME
M-001	MECHANICAL	GENERAL	LEGEND AND DRAWING LIST
M-101	MECHANICAL	GENERAL	EQUIPMENT SCHEDULES
M-102	MECHANICAL	GENERAL	VENTILATION DETAILS
M-103	MECHANICAL	GENERAL	PLUMBING AND FIRE PROTECTION DETAILS
M-200	MECHANICAL	DRAINAGE	GROUND FLOOR - DEMOLITION
M-201	MECHANICAL	DRAINAGE	GROUND FLOOR - NEW WORK
M-202	MECHANICAL	DRAINAGE	ROOF - NEW WORK
M-203	MECHANICAL	POTABLE WATER & NATURAL GAS	GROUND FLOOR - DEMOLITION
M-204	MECHANICAL	POTABLE WATER & NATURAL GAS	GROUND FLOOR - NEW WORK
M-205	MECHANICAL	NATURAL GAS	ROOF - DEMOLITION
M-206	MECHANICAL	NATURAL GAS	ROOF - NEW WORK
M-400	MECHANICAL	FIRE PROTECTION	GROUND FLOOR - NEW WORK
M-500	MECHANICAL	VENTILATION	GROUND FLOOR - DEMOLITION
M-501	MECHANICAL	VENTILATION	GROUND FLOOR - NEW WORK
M-502	MECHANICAL	VENTILATION	ROOF - DEMOLITION
M-503	MECHANICAL	VENTILATION	ROOF - NEW WORK
M-600	MECHANICAL	CONTROLS	LEGEND AND SCHEMATICS

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
GENERAL
LEGEND AND DRAWING LIST

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No 25-1159

DRAWING No M-001

SCALE NTS

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt

Printed on 2026-05-29 9:52:33 AM

PLUMBING SCHEDULE

REF. NO	TYPE	MOUNTING	MATERIAL	DESIGNED BASED ON (APPROVED EQUIVALENTS ACCEPTED)	CHARACTERISTICS		CONNECTIONS			NOTES
					FAUCET/VALVE	CARRIER	DCW	DHW	SANITARY	
L-1	LAVATORY	WALL	VITREOUS CHINA	AMERICAN STANDARD, 0955001EC.020 / 0059020EC.020	SLOAN, EFX-200-PLG-0.5GPM-MLM-IR-FCT, POLISHED CHROME FINISH	WATTS , CA-411-WC	NPS 1/2	NPS 1/2	NPS 1 1/2	C/W THERMOSTATIC MIXING VALVE, FAUCET POWER KIT, STRAIGHT FIXTURE DRAIN, P-TRAP AND ACCESSORIES
S-1	SINK	COUNTER MOUNT	STAINLESS STEEL	FRANKE, LBS4608P-1	CHICAGO FAUCETS , 116.682.AB.1	-	NPS 3/4	NPS 3/4	NPS 1 1/2	C/W THERMOSTATIC MIXING VALVE, FAUCET POWER KIT, P-TRAP AND ACCESSORIES
S-2	SINK	COUNTER MOUNT	TERREON	BRADLEY, TLX-2, EMPIRE GRAY FINISH	BRADLEY, S53-3300, POLISHED CHROME	BRADLEY, S17-392	NPS 3/4	NPS 3/4	NPS 1 1/2	C/W THERMOSTATIC MIXING VALVE, AC ADAPTER A14-029, P-TRAP AND ACCESSORIES
S-3	SINK	COUNTER MOUNT	STAINLESS STEEL	KOHLER, K-22973	CHICAGO FAUCETS, 116.682.AB.1	-	NPS 3/4	NPS 3/4	NPS 1 1/2	C/W THERMOSTATIC MIXING VALVE, FAUCET WITH SPRAY HEAD, P-TRAP AND ACCESSORIES
WC-1	WATER CLOSET	FLOOR	VITREOUS CHINA	AMERICAN STANDARD, 3461001.020	DELTA, 81T201HWA	-	NPS 1	-	NPS 4	C/W TOILET SEAT BEMIS (1955CT 000), ELECTRONIC FLUSH, TRANSFORMER AND ACCESSORIES
U-1	URINAL	WALL	VITREOUS CHINA	AMERICAN STANDARD, 6590001.020	DELTA, 81T231HWA-05	WATTS , CA-311	NPS 3/4	-	NPS 2	C/W ELECTRONIC FLUSH, TRANSFORMER, CLEANOUT AND ACCESSORIES
DF-1	DRINKING FOUNTAIN	WALL	STAINLESS STEEL	ELKAY, EZSDWSVRSK	-	ELKAY, MLP100	NPS 1/2	-	NPS 1 1/2	C/W FILTER SYSTEM EWF3000, CANE APRON LKAPREZL AND ACCESSORIES

HOT WATER TANK SCHEDULE

IDENTIFICATION	MODEL	MANUFACTURER	CAPACITY (INPUT)	THERMAL EFFICIENCY	TANK CAPACITY	TOTAL RECOVERY RATE @100°F	PRESSURE	PRESSURE	VENT	COMBUSTION AIR	SOURCE	HEIGHT	WIDTH	WEIGHT	ELECTRICAL		COMMENTS
															FLA	VOLTAGE	
			MBH	%	USG	GPH	MIN. W.C.	MAX. W.C.	in.	in.		in.	in.	lbs.	Amps	V/PH/Hz	
HWT-01&02	BTH-150(A)	A.O. SMITH	150	97	100	173	4	14	3	3	NATURAL GAS	76 1/2	27 3/4	523	5	120/60/1	C/W BMS GATEWAY DEVICE AND ACCESSORIES

PUMP SCHEDULE

IDENTIFICATION	ROOM ID	DESCRIPTION	MODEL	FLOW	HEAD LOSS	MOTOR	ELECTRICAL	COMMENTS
				GPM	FT	HP	V / Ph / Hz	
RP-01	158	HOT WATER RECIRCULATION PUMP	GRUNDFOS UPS 15-55 SFC	2.4	5	87 W	115/1/60	
SP-01	180	SUBMERSIBLE PUMP	SANISWIFT PRO #022	18	14	1/3	115/1/60	C/W FLOOR MOUNTED CONTAINER

FAN SCHEDULE

IDENTIFICATION	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	AIR FLOW	EXTERNAL STATIC PRESSURE	MOTOR	FAN SPEED	ELECTRICAL	COMMENTS
					CFM	IN W.C.	HP	RPM	V/PH/HZ	
EF-03	ROOF MOUNTED	ROOF	GREENHECK	G-080-VG	280	0.20	1/10	1,725	115/1/60	C/W DISCONNECT SWITCH, BACKDRAFT DAMPER & ROOF CURB
EF-08	ROOF MOUNTED	ROOF	GREENHECK	G-080-VG	280	0.20	1/10	1,725	115/1/60	C/W DISCONNECT SWITCH, BACKDRAFT DAMPER & ROOF CURB
TF-01	CEILING MOUNTED	STORAGE ROOM	GREENHECK	CSP-A110	100	0.15	1/50	937	115/1/60	C/W DISCONNECT SWITCH

VAV SCHEDULE

ID	ROOM ID	ROOM NAME	AIR FLOW		UNIT SIZE	INLET SIZE	HEIGHT (H)	WIDTH (W)	LENGTH (L)
			MIN (CFM)	MAX (CFM)		DIA (mm)	mm	mm	mm
VAV-01	178	CLASS RM	260	653	8	200	250	300	503
VAV-02	179	CLASS RM	250	625	8	200	250	300	503
VAV-03	180	ART	298	745	8	200	250	300	503
VAV-04	177	CLASS RM	234	585	7	175	250	300	503
VAV-05	176	CLASS RM	226	565	7	175	250	300	503
VAV-06	175	CLASS RM	226	565	7	175	250	300	503
VAV-07	107	CORRIDOR	430	1,660	12	300	375	400	503
VAV-08	174	STAFF	64	205	4	100	200	300	553
VAV-09	173	SPEC. ED	150	375	6	150	200	300	553
VAV-10	172	SPEC. ED	152	380	6	150	200	300	553
VAV-11	171	KINDERGARTEN	297	685	8	200	250	300	503
CAV-01	170	FEMALE W/C	165	165	4	100	200	300	553

RTU SCHEDULE (DESIGN BASED ON RNA MODELS BY AAON)

IDENTIFICATION	DESCRIPTION	LOCATION	SUPPLY FAN		EXHAUST FAN		OUTSIDE AIR	COOLING SECTION					HEATING SECTION		WEIGHT	HEATING TYPE	ELECTRICAL		NOTES
			AIR FLOW	EXTERNAL STATIC PRESSURE	AIR FLOW	EXTERNAL STATIC PRESSURE		TOTAL CAPACITY	TOTAL SENSIBLE CAPACITY	HEAT WHEEL CAPACITY	MIXED AIR TEMP.		OUTPUT	INPUT					
			CFM	in. wg.	CFM	in. wg.	CFM	MBH	MBH	MBH	DB (°F)	WB (°F)	MBH	MBH	lbs.	PRIMARY	V/PH/HZ	FLA (Amps)	
RTU-08	ROOF TOP UNIT	ROOF	3635	0.85	3635	0.55	1852	199.9	92.3	42.9	76.9	63.7	158	195	2446	NATURAL GAS	208/3/60	61	C/W ENERGY RECOVERY WHEEL, VFD's, DISCONNECT SWITCH AND 24IN SEISMIC ROOFCURB.
RTU-09	ROOF TOP UNIT	ROOF	3295	0.85	3295	0.55	2079	100.2	80	47	77.6	64.3	158	195	2427	NATURAL GAS	208/3/60	58	C/W ENERGY RECOVERY WHEEL, VFD's, DISCONNECT SWITCH AND 24IN SEISMIC ROOFCURB.

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

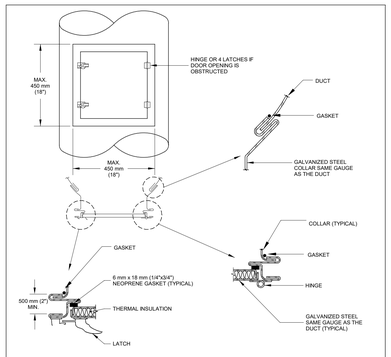
ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
GENERAL
EQUIPMENT SCHEDULES

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

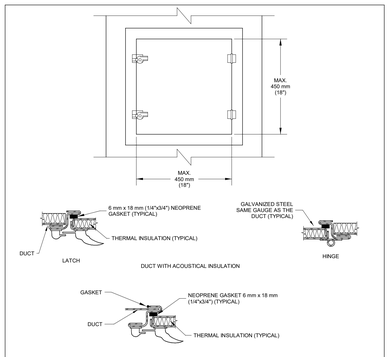
BPA PROJECT No: 25-1159
DRAWING No: M-101
SCALE: NTS
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



ACCESS DOOR FOR LOW PRESSURE CIRCULAR AND OBLONG DUCT

(NTS)

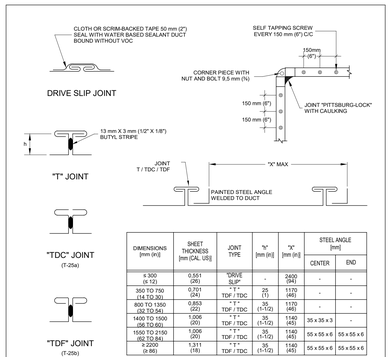
DET-M5001
96/03



ACCESS DOOR FOR LOW PRESSURE RECTANGULAR DUCT

(NTS)

DET-M5003
99/10

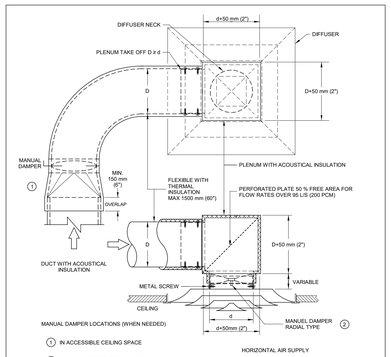


DIMENSIONS [mm (in)]	SHEET THICKNESS [mm (CAL. US)]	JOINT TYPE	"h" [mm (in)]	"X" [mm (in)]	STEEL ANGLE [mm]	
					CENTER	END
≤ 300 (≤ 12)	0,551 (26)	"DRIVE SLIP"	-	2400 (94)	-	-
350 TO 750 (14 TO 30)	0,701 (24)	TDF / TDC	25 (1)	1170 (46)	-	-
800 TO 1350 (32 TO 54)	0,853 (22)	" I " TDF / TDC	25 (1)	1170 (46)	-	-
1400 TO 1500 (56 TO 60)	1,006 (20)	" I " TDF / TDC	32 (1-1/2)	1140 (45)	35 x 35 x 3	-
1550 TO 2150 (62 TO 84)	1,006 (20)	" I " TDF / TDC	32 (1-1/2)	1140 (45)	55 x 55 x 6	55 x 55 x 6
≥ 2200 (≥ 88)	1,311 (18)	" I " TDF / TDC	32 (1-1/2)	1140 (45)	55 x 55 x 6	55 x 55 x 6

CROSS JOINT AND REINFORCEMENT FOR LOW PRESSURE RECTANGULAR DUCT

(NTS)

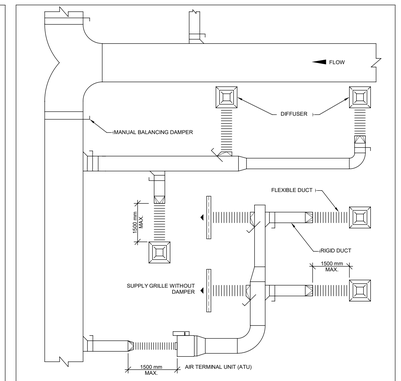
DET-M5007
2018/11



SQUARE DIFFUSER CONNECTION WITH ACOUSTICAL INSULATION

(NTS)

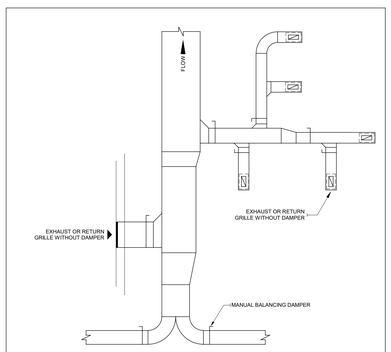
DET-M5029
05/11



MANUAL BALANCING DAMPERS FOR LOW VELOCITY VENTILATION SYSTEM

(NTS)

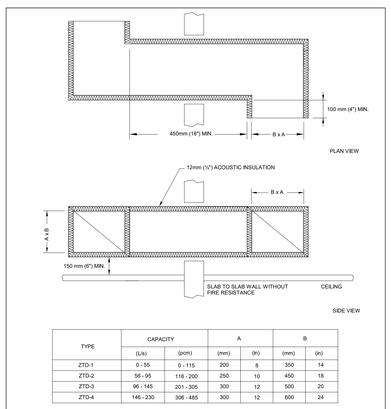
DET-M5030
2019/05



MANUAL BALANCING DAMPERS FOR RETURN OR EXHAUST SYSTEM

(NTS)

DET-M5031
2019/05

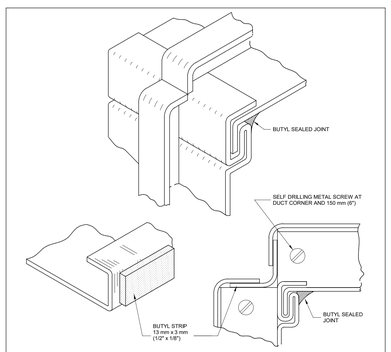


TYPE	CAPACITY		A		B	
	(L/s)	(pcm)	(mm)	(in)	(mm)	(in)
ZTD-1	0 - 55	0 - 115	200	8	350	14
ZTD-2	56 - 95	116 - 200	250	10	450	18
ZTD-3	96 - 145	201 - 305	300	12	500	20
ZTD-4	146 - 230	306 - 485	300	12	600	24

TRANSFER DUCT

(NTS)

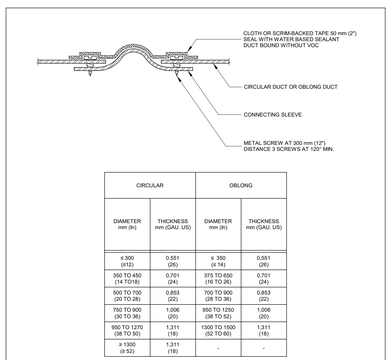
DET-M5036
2021/06



SEALED JOINT FOR LOW PRESSURE RECTANGULAR DUCT

(NTS)

DET-M5011
17/02



CIRCULAR		OBLONG	
DIAMETER mm (in)	THICKNESS mm (GAU. US)	DIAMETER mm (in)	THICKNESS mm (GAU. US)
≤ 300 (≤12)	0,551 (26)	≤ 350 (≤ 14)	0,551 (26)
350 TO 450 (14 TO18)	0,701 (24)	375 TO 650 (16 TO 26)	0,701 (24)
500 TO 700 (20 TO 28)	0,853 (22)	700 TO 900 (28 TO 36)	0,853 (22)
750 TO 900 (30 TO 36)	1,006 (20)	950 TO 1250 (38 TO 52)	1,006 (20)
950 TO 1270 (38 TO 50)	1,311 (18)	1300 TO 1500 (52 TO 60)	1,311 (18)
≥ 1300 (≥ 52)	1,311 (18)	-	-

AIR TIGHT JOINT CIRCULAR AND OBLONG DUCT - LOW PRESSURE

(NTS)

DET-M5013
2019/05

ROUND DUCTS						
LOW PRESSURE				MEDIUM AND HIGH PRESSURE		
DIAMETER mm (in)	STEEL BAND mm x mm (in) x GA.(US/GA) TYPE - 1/2 C* OR - C**	MAXIMUM SPACING m (feet)	RODS DIAMETER (in)	STEEL BAND mm x mm (in) x GA.(US/GA) TYPE - 1/2 C* OR - C**	MAXIMUM SPACING m (feet)	RODS DIAMETER (in)
≤450 (≤18)	25 x 0.853-1/2C (1" x 22-1/2C)	3 (10)	(1/4)	25 x 1.613-1/2C (1" x 16-1/2C)	3 (10)	(1/4)
500 TO 610 (19 TO 24)	25 x 0.853-1/2C (1" x 22-1/2C)	3 (10)	(1/4)	25 x 1.994-1/2C (1" x 14-1/2C)	3 (10)	(1/4)
625 TO 900 (25 TO 36)	25 x 1.006-1/2C (1" x 20-1/2C)	3 (10)	(3/8)	25 x 2.753-1/2C (1" x 12-1/2C)	3 (10)	(3/8)
925 TO 1200 (37 TO 48)	25 x 1.006-C (1"x20-C)	3 (10)	(3/8)	40 x 2.753-C (1 1/2"x12-C)	3 (10)	(3/8)
1225 TO 1525 (49 TO 60)	25 x 1.311-C (1" x 18-C)	3 (10)	(3/8)	40 x 2.753-C (1 1/2"x12-C)	3 (10)	(3/8)
1550 TO 2125 (61 TO 84)	25 x 1.613-C (1" x 16-C)	3 (10)	(3/8)	40 x 2.753-C (1 1/2"x12-C)	3 (10)	(3/8)



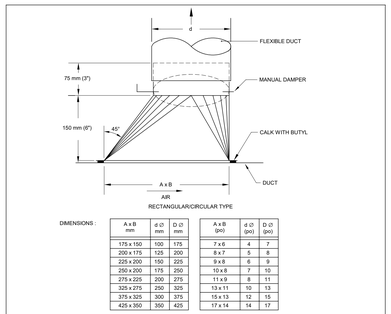
* 1/2 C: HALF-BAND HANGER

** FULL-BAND HANGER IN TWO PARTS

STEEL BAND HANGERS AND ROD SIZES MAXIMUM SPACING

(NTS)

DET-M5024
11/09



RECTANGULAR/CIRCULAR TYPE

DIMENSIONS :

A x B mm	d Ø mm	D Ø mm	A x B (po)	d Ø (po)	D Ø (po)
175 x 150	100	175	7 x 6	4	7
200 x 175	125	200	8 x 7	5	8
225 x 200	150	225	9 x 8	6	9
250 x 200	175	250	10 x 8	7	10
275 x 225	200	275	11 x 9	8	11
325 x 275	250	325	13 x 11	10	13
375 x 325	300	375	15 x 13	12	15
425 x 350	350	425	17 x 14	14	17

NOTES : - MANUAL DAMPERS REQUIRES ON DIFFUSER FITTING ONLY
- d : = FLEXIBLE DUCT DIAMETER

FLEXIBLE DUCT CONNECTION TO DIFFUSER OR AIR SUPPLY TERMINAL UNIT

(NTS)

DET-M5021
96/03

RECTANGULAR AND CIRCULAR DUCTS	
AIR FLOW	DIMENSIONS (UNLESS OTHERWISE STATED)
90 LPS OR LESS 200 CFM OR LESS	200x150 OR 200Ø 8x6 OR 8Ø
91 - 120 LPS 200 - 250 CFM	250x150 OR 225Ø 10x6 OR 9Ø
120 - 155 LPS 250 - 330 CFM	350x150 OR 250x200 OR 250Ø 14x6 OR 10x8 OR 10Ø
155 - 180 LPS 330 - 380 CFM	350x150 OR 250x200 OR 250Ø 14x6 OR 10x8 OR 10Ø
180 - 225 LPS 380 - 480 CFM	300x200 OR 275Ø 12x8 OR 11Ø
225 - 240 LPS 480 - 510 CFM	450x150 OR 250x250 OR 275Ø 18x6 OR 10x10 OR 11Ø
240 - 270 LPS 510 - 575 CFM	350x200 OR 300Ø 14x8 OR 12Ø
270 - 315 LPS 575 - 680 CFM	400x200 OR 300x250 OR 325Ø 16x8 OR 12x10 OR 13Ø
315 - 390 LPS 680 - 830 CFM	450x200 OR 350x250 OR 350Ø 18x8 OR 14x10 OR 14Ø

DIMENSIONS FOR LOW PRESSURE DUCTS

(NTS)

DET-M5032
2019/06

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100566682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 303, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
GENERAL
VENTILATION DETAILS

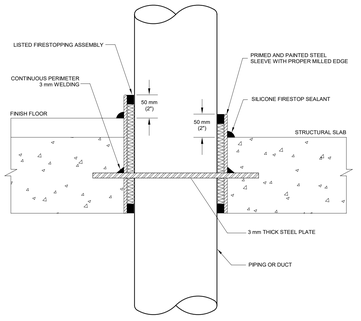
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No
25-1159

DRAWING No
M-102

SCALE
NTS

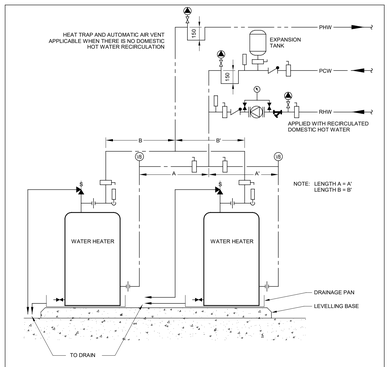
FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



SLEEVE FOR EXPOSED PIPE OR DUCT PASSING THROUGH A NEW FLOOR

(NTS)

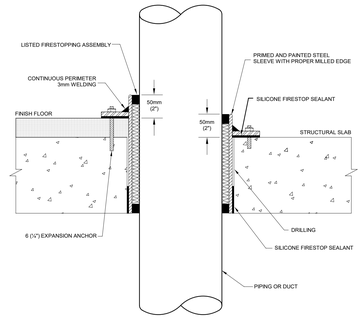
DET-M0001 2021/05



CONNECTION OF DOUBLE WATER HEATERS WITH PARALLEL OPERATION

(NTS)

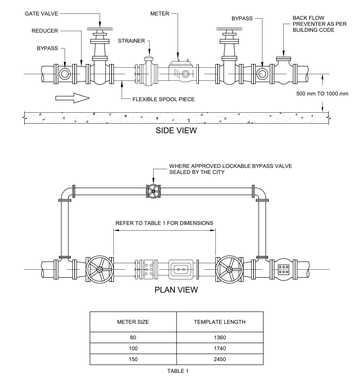
DET-M2-003 2019/07



SLEEVE FOR EXPOSED PIPE OR DUCT PASSING THROUGH AN EXISTING FLOOR

(NTS)

DET-M0004 2022/03



METER SIZE	TEMPLATE LENGTH
80	1360
100	1740
150	2450

TABLE 1

TYPICAL WATER METER INSTALLATION 80mm AND LARGER

(NTS)

DET-M0015 2015/08

IDENTIFICATION	TYPE	COLD WATER	HOT WATER	DRAIN	VENT	NOTES
SINK	S-X	NPS ½	NPS ½	NPS 1½	NPS 1½	1, 2
LAVATORY	L-X	NPS ½	NPS ½	NPS 1½	NPS 1½	1, 2
WATER CLOSET	WC-X	NPS 1	-	NPS 4	NPS 2	1, 3
WATER CLOSET	WC-X	NPS ½	-	NPS 3	NPS 2	1, 2, 4
URINAL	U-X	NPS ½	-	NPS 2	NPS 1½	1, 2
DRINKING FOUNTAIN	DF-X	NPS ½	-	NPS 1½	NPS 1½	1, 2
FLOOR DRAIN	FD-X / FFD-X OD / F	-	-	NPS 3	-	1, 2, 5

NOTE 1 : ALL UNDERGROUND PIPING MUST BE NPS 3 MINIMUM DIAMETER.

NOTE 2 : UNLESS OTHERWISE INDICATED, ALL FIXTURES MUST BE CONNECTED TO VENT PIPING.

NOTE 3 : WATER CLOSET WITH FLUSH VALVE.

NOTE 4 : WATER CLOSET WITH FLUSH TANK.

NOTE 5 : UNLESS OTHERWISE INDICATED, ALL FLOOR DRAINS AND OPEN DRAINS REQUIRE A NPS 3 TRAP.

PLUMBING FIXTURE CONNECTIONS

(NTS)

NOTE - FOR TYPE OF DOOR, SEE SPECIFICATIONS

CABINET FOR PORTABLE EXTINGUISHER

(SEMI RECESSED FULL GLASS DOOR)

(NTS)

DET-M4037 23-03

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
GENERAL
PLUMBING AND FIRE
PROTECTION DETAILS

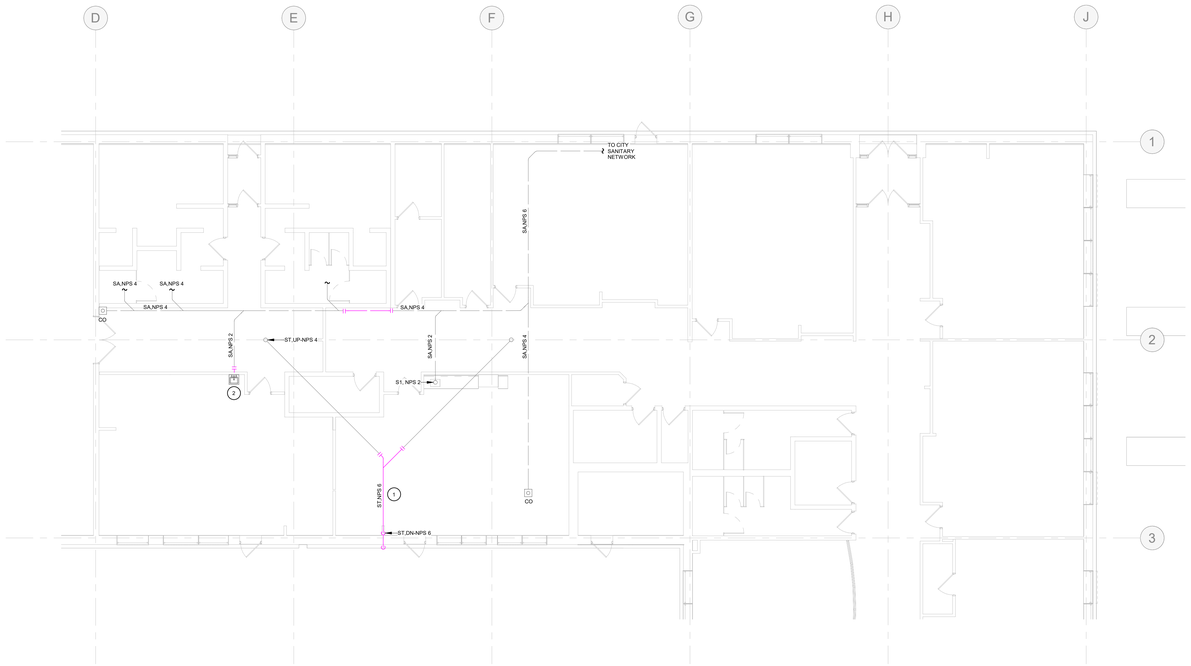
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No 25-1159

DRAWING No M-103

SCALE NTS

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE.

B. AT THE END OF EACH WORK DAY, SEAL WITH A SCREW CAP OR SUITABLE METAL CAP ALL OPENINGS IN ALL PIPING OF ALL KINDS.

C. SUPPLY AND INSTALL ACCESS DOORS FOR CLEANOUTS WHEN REQUIRED.

D. CONTRACTOR IS RESPONSIBLE FOR SCANNING THE SLAB AND LOCATING THE UNDERGROUND PIPING BEFORE EXCAVATION.

E. SUPPLY AND INSTALL A VENTING NETWORK FOR ALL NEW PLUMBING FIXTURES, DESIGNED AND SIZED AS PER OBC, WITH A COMMON VENT STACK PROTRUDING AT THE ROOF LEVEL.

DRAWING NOTES

1. DISMANTLE EXISTING STORM PIPES AS SHOWN UP TO THE EXTERIOR PIPE DROP. COORDINATE WITH THE ARCHITECT TO SEAL THE WALL OPENING.
2. DISMANTLE THE EXISTING SINK. DISMANTLE THE ASSOCIATED SANITARY PIPING AS CLOSE AS POSSIBLE TO THE WALL. REMOVE THE EXISTING VENT PIPING UP TO THE CEILING AND CAP IT AT THE MAIN WITHIN THE CEILING.

COLOUR LEGEND DEMOLITION AND EXISTING

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- EXISTING
- DEMOLITION

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
DRAINAGE
GROUND FLOOR
DEMOLITION

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-200

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt

GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE.

B. AT THE END OF EACH WORK DAY, SEAL WITH A SCREW CAP OR SUITABLE METAL CAP ALL OPENINGS IN ALL PIPING OF ALL KINDS.

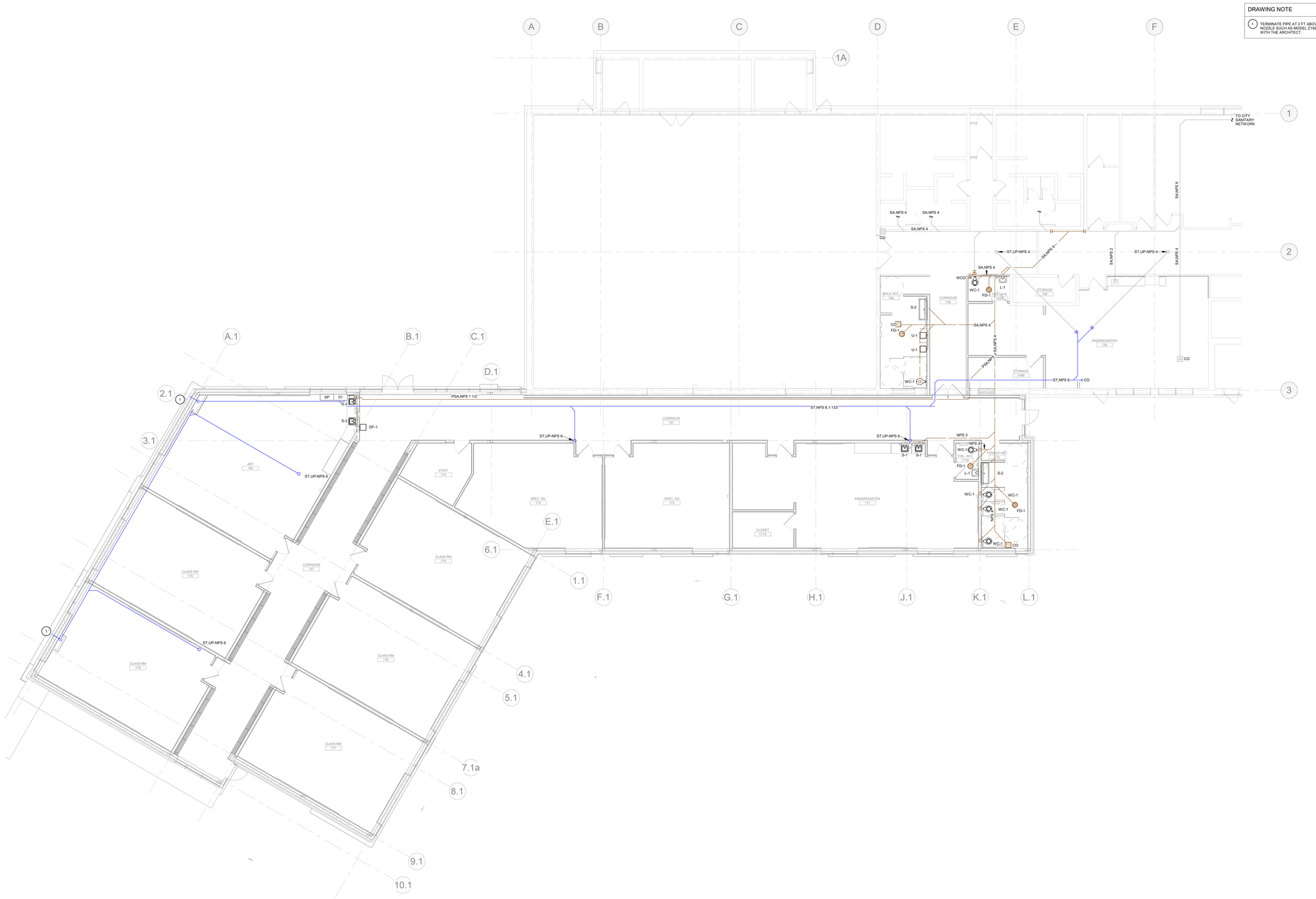
C. SUPPLY AND INSTALL ACCESS DOORS FOR CLEANOUTS WHEN REQUIRED.

D. CONTRACTOR IS RESPONSIBLE FOR SCANNING THE SLAB AND LOCATING THE UNDERGROUND PIPING BEFORE EXCAVATION.

E. SUPPLY AND INSTALL A VENTING NETWORK FOR ALL NEW PLUMBING FIXTURES, DESIGNED AND SIZED AS PER OBC, WITH A COMMON VENT STACK PROTRUDING AT THE ROOF LEVEL.

DRAWING NOTE

1. TERMINATE PIPE AT 2 FT ABOVE THE FINISHED FLOOR LEVEL WITH A DOWNSPOUT NOZZLE SUCH AS MODEL Z199 FROM ZURN. FINAL LOCATION TO BE COORDINATED WITH THE ARCHITECT.



COLOURS LEGEND DRAINAGE

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- SANITARY DRAINAGE
- PUMPED SANITARY DRAINAGE
- STORMWATER DRAINAGE
- EXISTING

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
DRAINAGE
GROUND FLOOR
NEW WORK

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-201

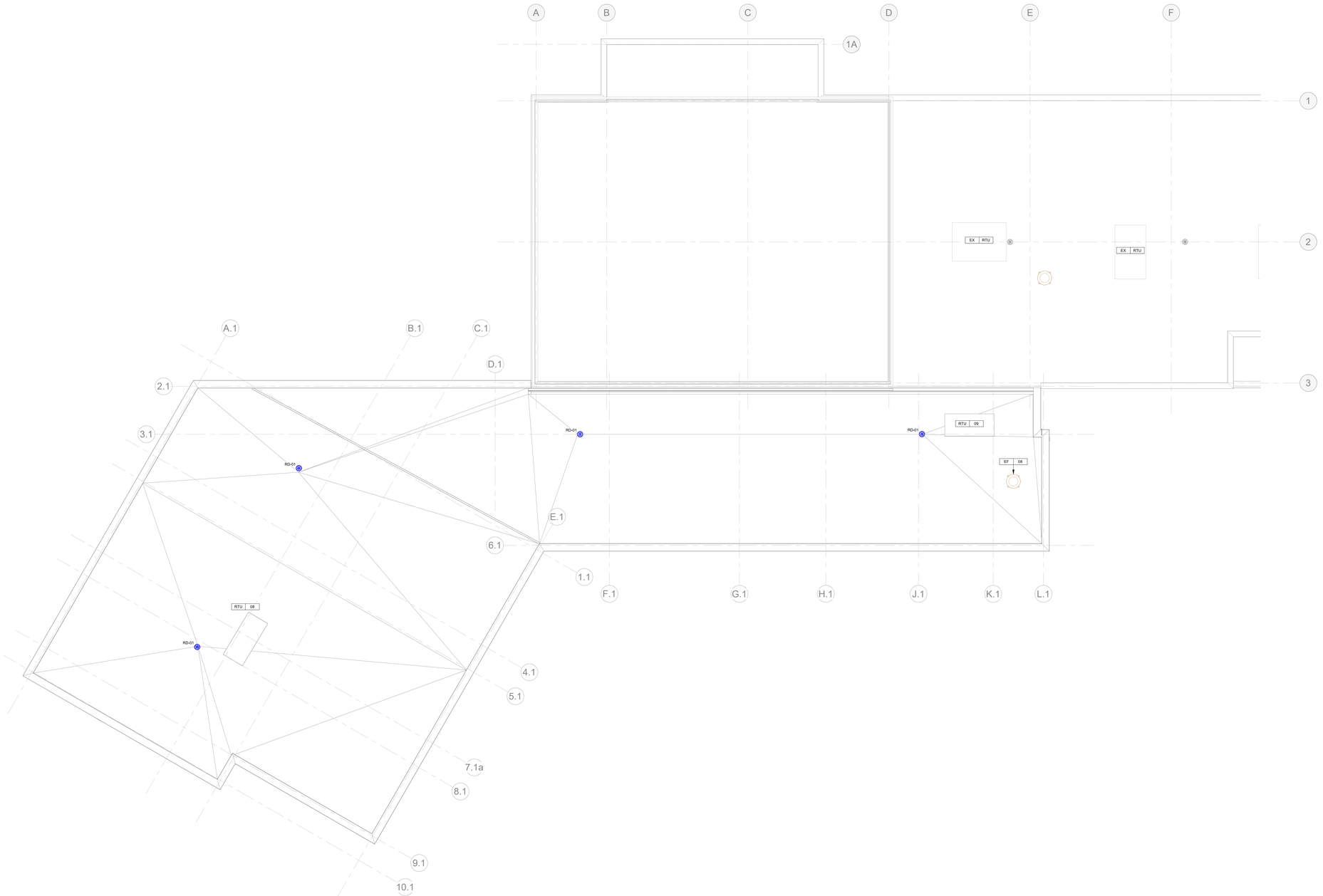
SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt

GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE.

B. AT THE END OF EACH WORK DAY, SEAL WITH A SCREW CAP OR SUITABLE METAL CAP ALL OPENINGS IN ALL PIPING OF ALL KINDS.



COLOURS LEGEND
DRAINAGE

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- STORMWATER DRAINAGE
- EXISTING

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
DRAINAGE
ROOF
NEW WORK

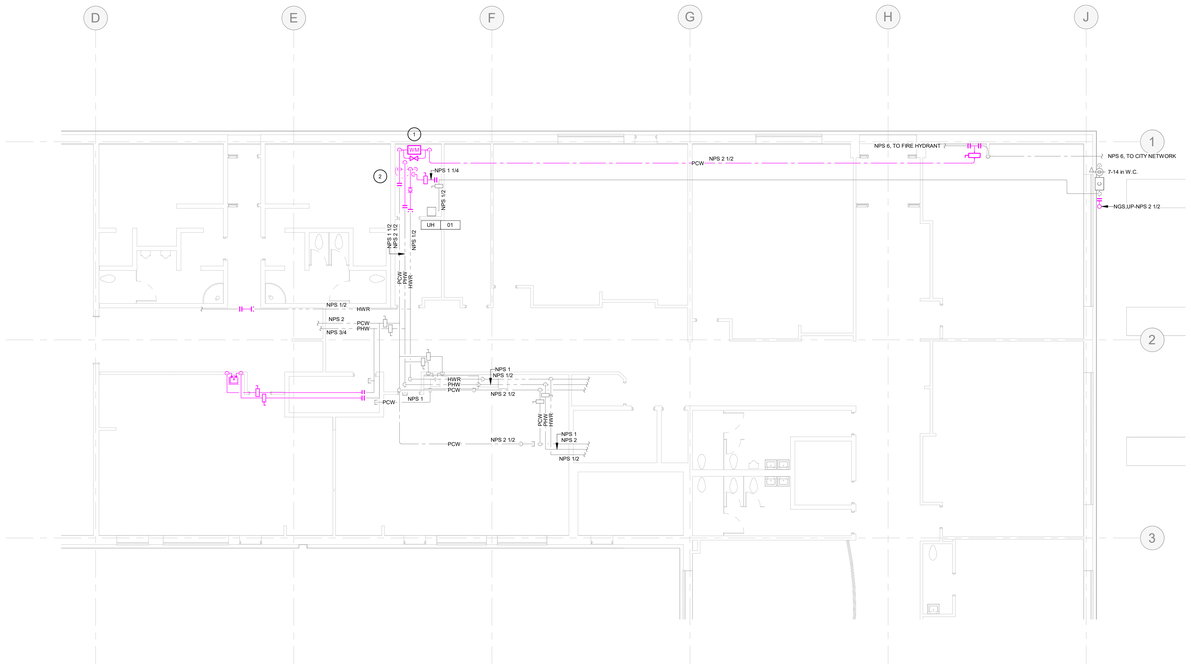
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-202

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE PIPING BEFORE ORDERING ANY MATERIAL.

B. SUPPLY AND INSTALL TRAP SEAL PRIMER SYSTEMS FOR ALL NEW FLOOR DRAINS.

DRAWING NOTES

1. REMOVE THE EXISTING WATER METER AND RELOCATE IT TO THE NEW LOCATION AS SHOWN ON SHEET M-204.
2. DEMOLISH EXISTING HOT WATER STORAGE TANK C/W THE HOT WATER RECIRCULATION PUMP AND ACCESSORIES

COLOUR LEGEND DEMOLITION AND EXISTING

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- EXISTING
- DEMOLITION

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
POTABLE WATER & NATURAL GAS
GROUND FLOOR
DEMOLITION

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-203

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt

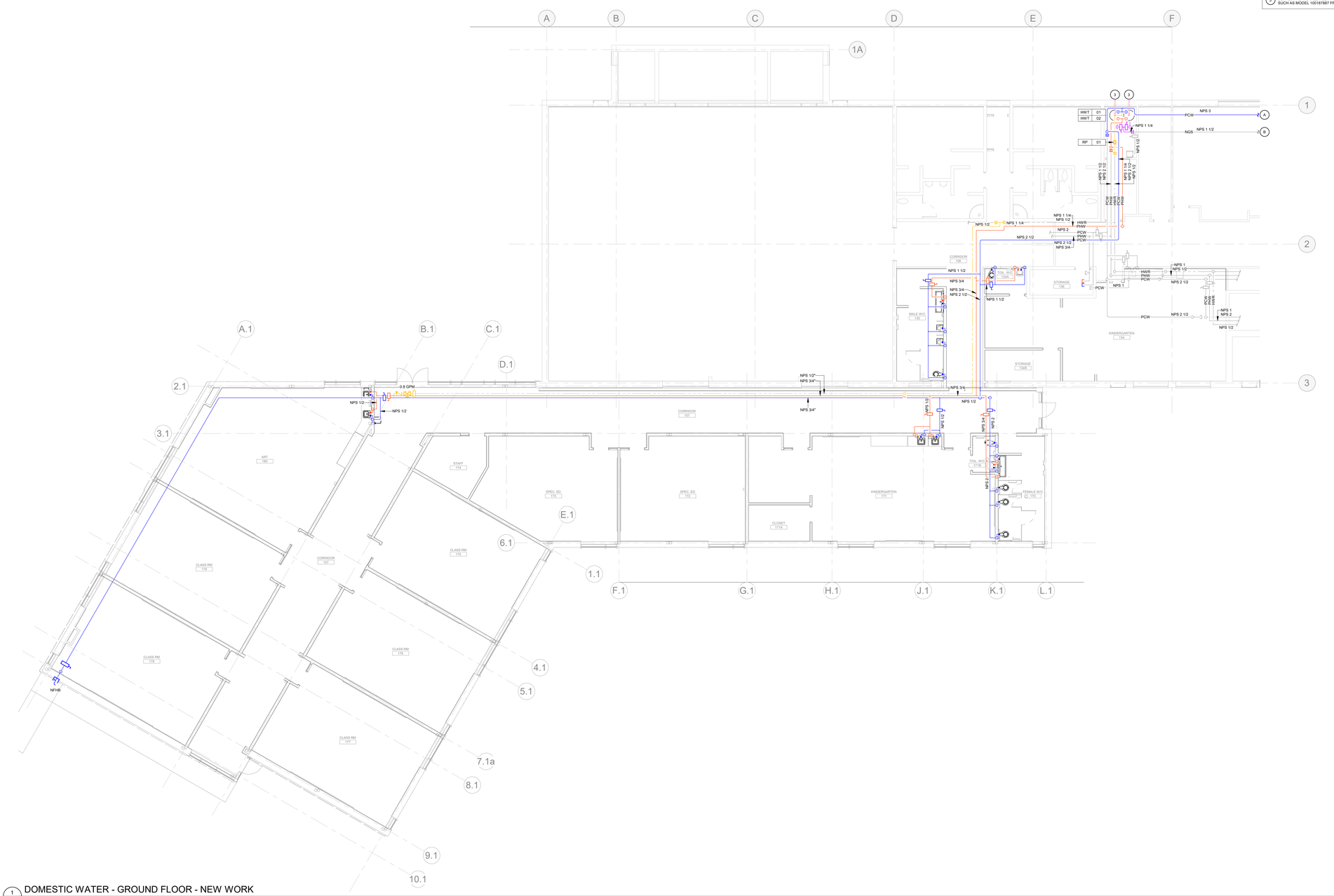
GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE PIPING BEFORE ORDERING ANY MATERIAL.

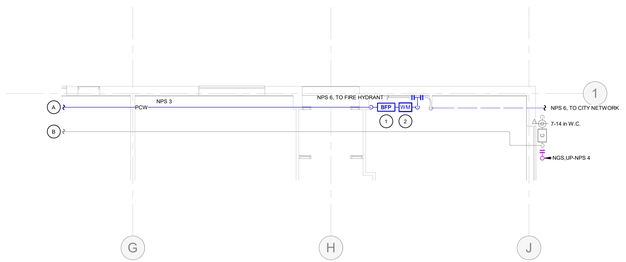
B. SUPPLY AND INSTALL TRAP SEAL PRIMER SYSTEMS FOR ALL NEW FLOOR DRAINS.

DRAWING NOTES

1. COORDINATE THE LOCATION OF WATER METER CLOSET WITH THE ARCHITECT.
2. VERTICAL MOUNTING OF BACKFLOW PREVENTER.
3. SUPPLY AND INSTALL A LOW PROFILE TERMINATION KIT FOR EACH HOT WATER TANK SUCH AS MODEL 100187887 FROM AO SMITH.



1 DOMESTIC WATER - GROUND FLOOR - NEW WORK



2 DOMESTIC WATER - GROUND FLOOR - CITY CONNECTION

COLOURS LEGEND POTABLE WATER

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY.

- POTABLE COLD WATER
- POTABLE HOT WATER
- POTABLE HOT WATER RECIRC
- NATURAL GAS
- EXISTING

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
POTABLE WATER & NATURAL GAS
GROUND FLOOR
NEW WORK

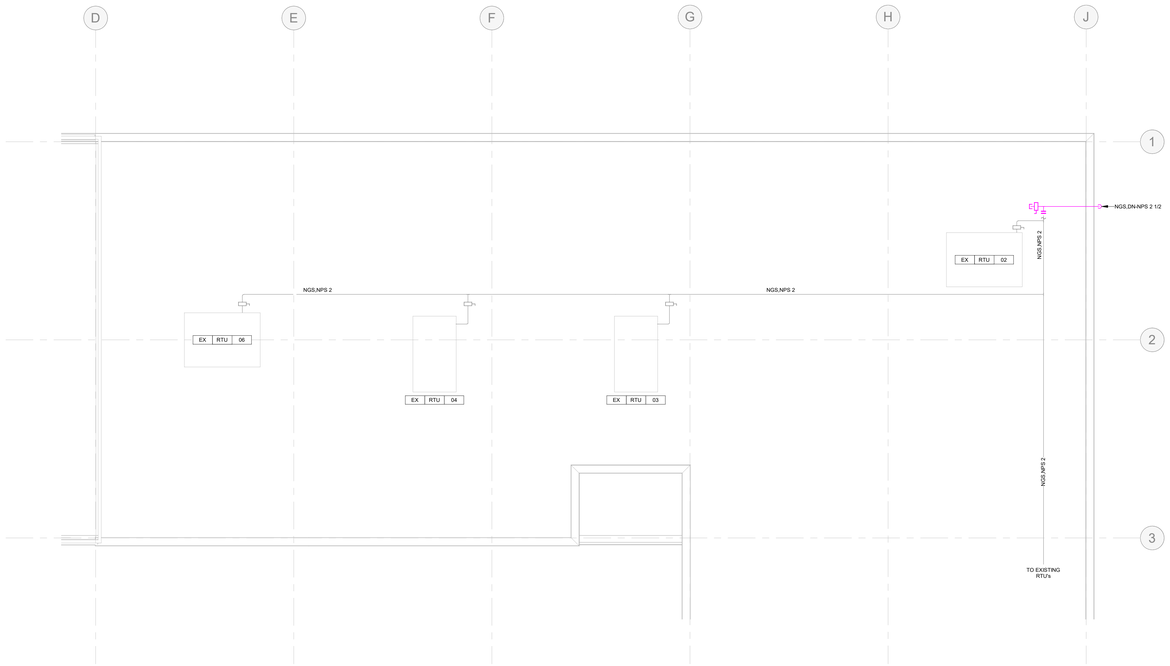
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-204

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



COLOUR LEGEND
DEMOLITION AND EXISTING

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

EXISTING

DEMOLITION

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
NATURAL GAS
ROOF
DEMOLITION

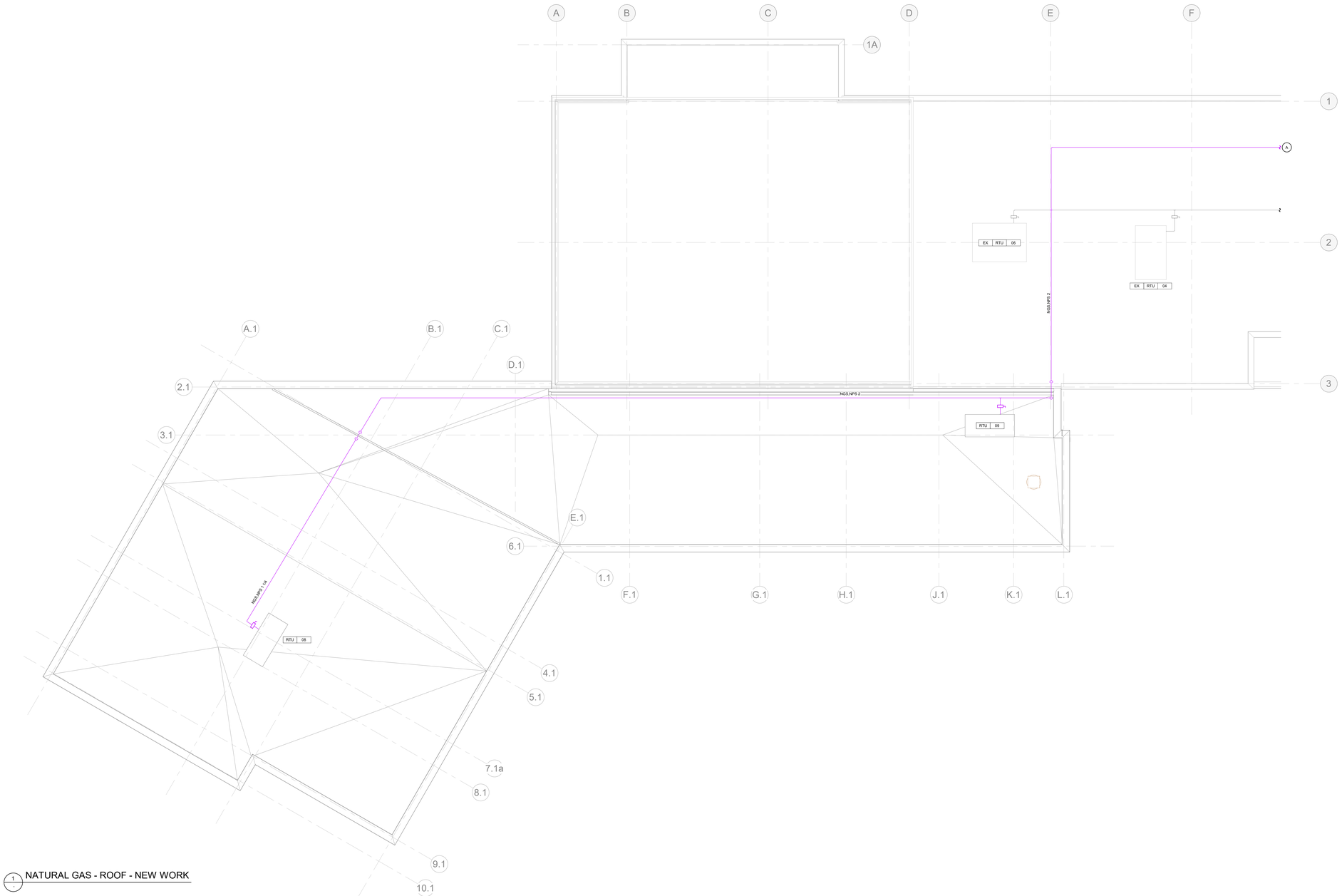
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No
25-1159

DRAWING No
M-205

SCALE
1 : 100

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



1 NATURAL GAS - ROOF - NEW WORK



2 NATURAL GAS - ROOF - NEW WORK

COLOURS LEGEND
POTABLE WATER

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

NATURAL GAS
EXISTING

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
NATURAL GAS
ROOF
NEW WORK

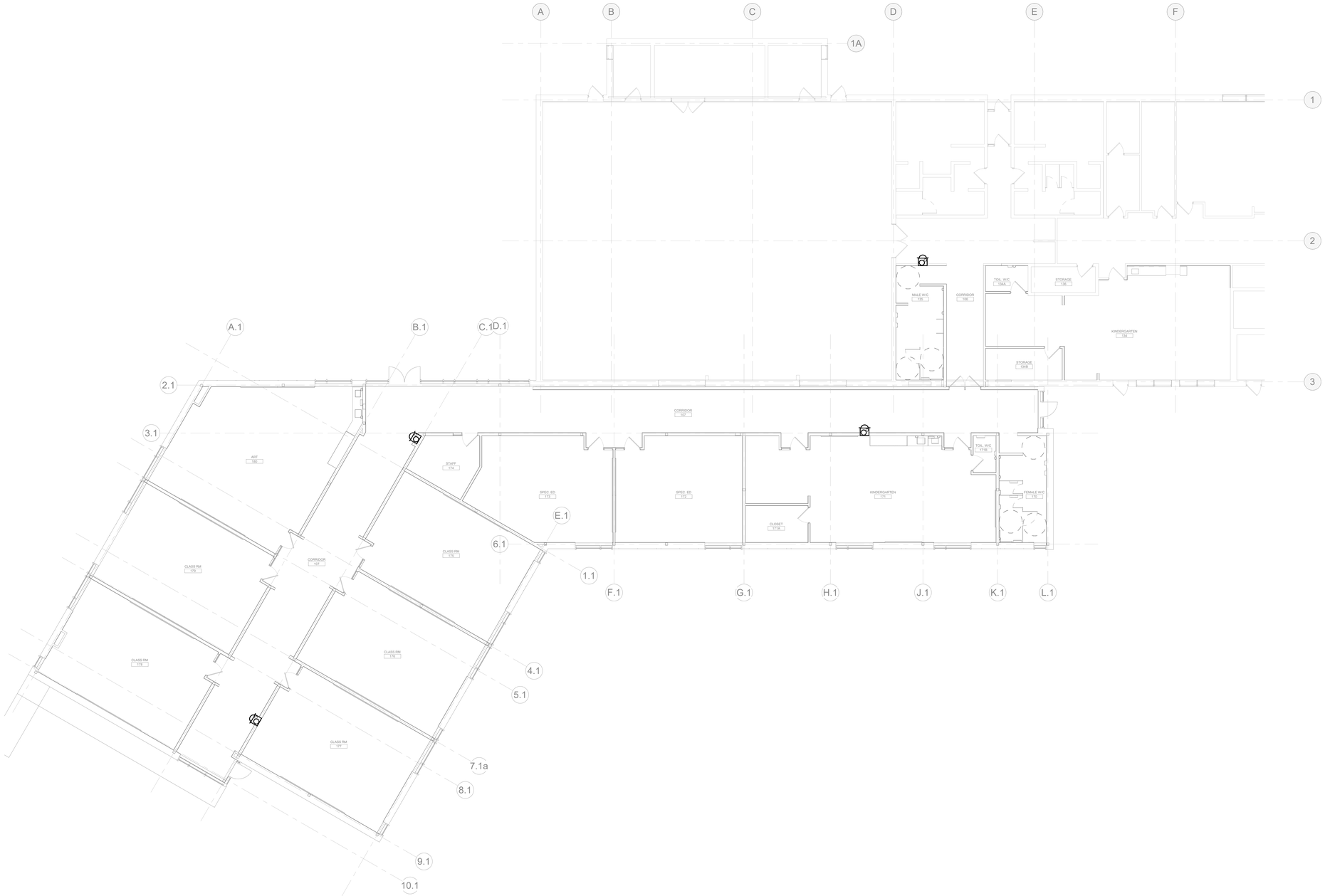
DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No 25-1159

DRAWING No M-206

SCALE 1 : 100

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_PL.rvt



BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
FIRE PROTECTION
GROUND FLOOR
NEW WORK

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.HANNA	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-400

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_FP.rvt



GENERAL NOTE

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE DUCTWORK BEFORE ORDERING ANY MATERIAL.

DRAWING NOTE

1. DEMOLISH EXISTING TRANSFER FAN C/W SUPPORTS, DUCTWORK AND ACCESSORIES.
2. EXISTING TRANSFER DUCT TO REMAIN.

COLOUR LEGEND DEMOLITION AND EXISTING

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- EXISTING
- DEMOLITION

BPA

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
VENTILATION
GROUND FLOOR
DEMOLITION

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.KASSAN	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-500

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_HVAC.rvt

Printed on 2026-05-29 9:53:06 AM

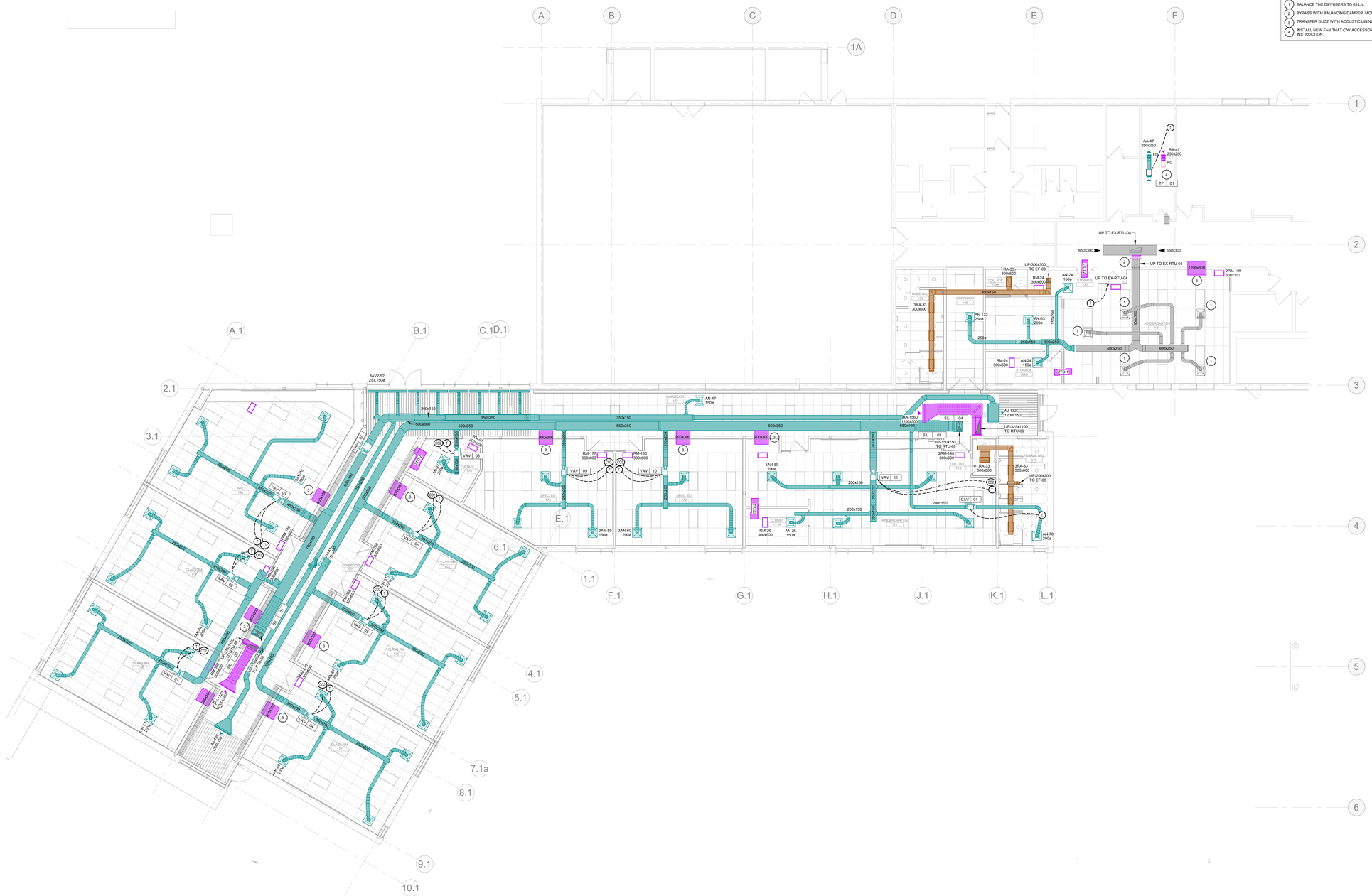
GENERAL NOTES

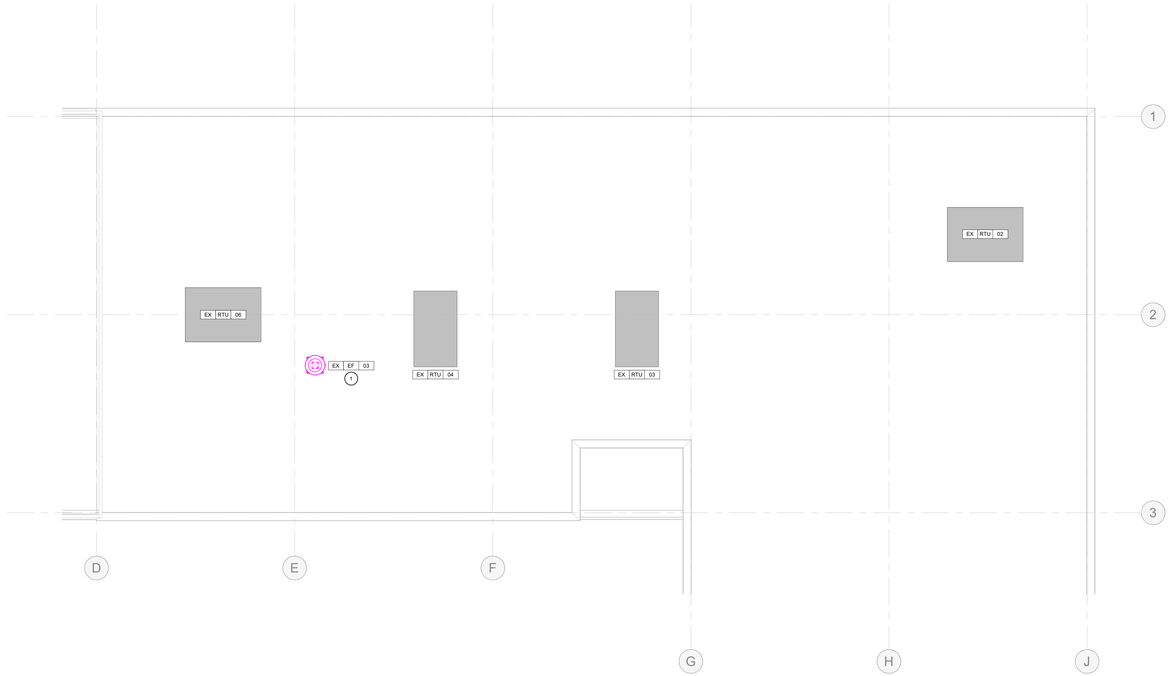
A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF DUCTING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE DUCTWORK BEFORE ORDERING ANY MATERIAL.

B. PROVIDE BALANCING DAMPERS ON ALL SUPPLY AND RETURN BRANCHES TO ENABLE PROPER SYSTEM BALANCING AND ACHIEVE THE REQUIRED AIRFLOW RATES.

DRAWING NOTE

1. BALANCE THE DIFFUSERS TO 63 L/s.
2. BYPASS WITH BALANCING DAMPER. MODIFY SUPPLY AND RETURN DUCTS AS NEEDED.
3. TRANSFER DUCT WITH ACOUSTIC LINING. LENGTH = 900mm.
4. INSTALL NEW FAN THAT C/W ACCESSORIES ACCORDING TO THE MANUFACTURERS INSTRUCTION.





GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF DUCTING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE DUCTWORK BEFORE ORDERING ANY MATERIAL.

DRAWING NOTES

(1) DEMOLISH EXISTING ROOF FAN C/W DUCTWORK AND ACCESSORIES.

COLOUR LEGEND DEMOLITION AND EXISTING

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

EXISTING

DEMOLITION

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
VENTILATION
ROOF
DEMOLITION

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.KASSAN	A.KASSAN

BPA PROJECT No 25-1159

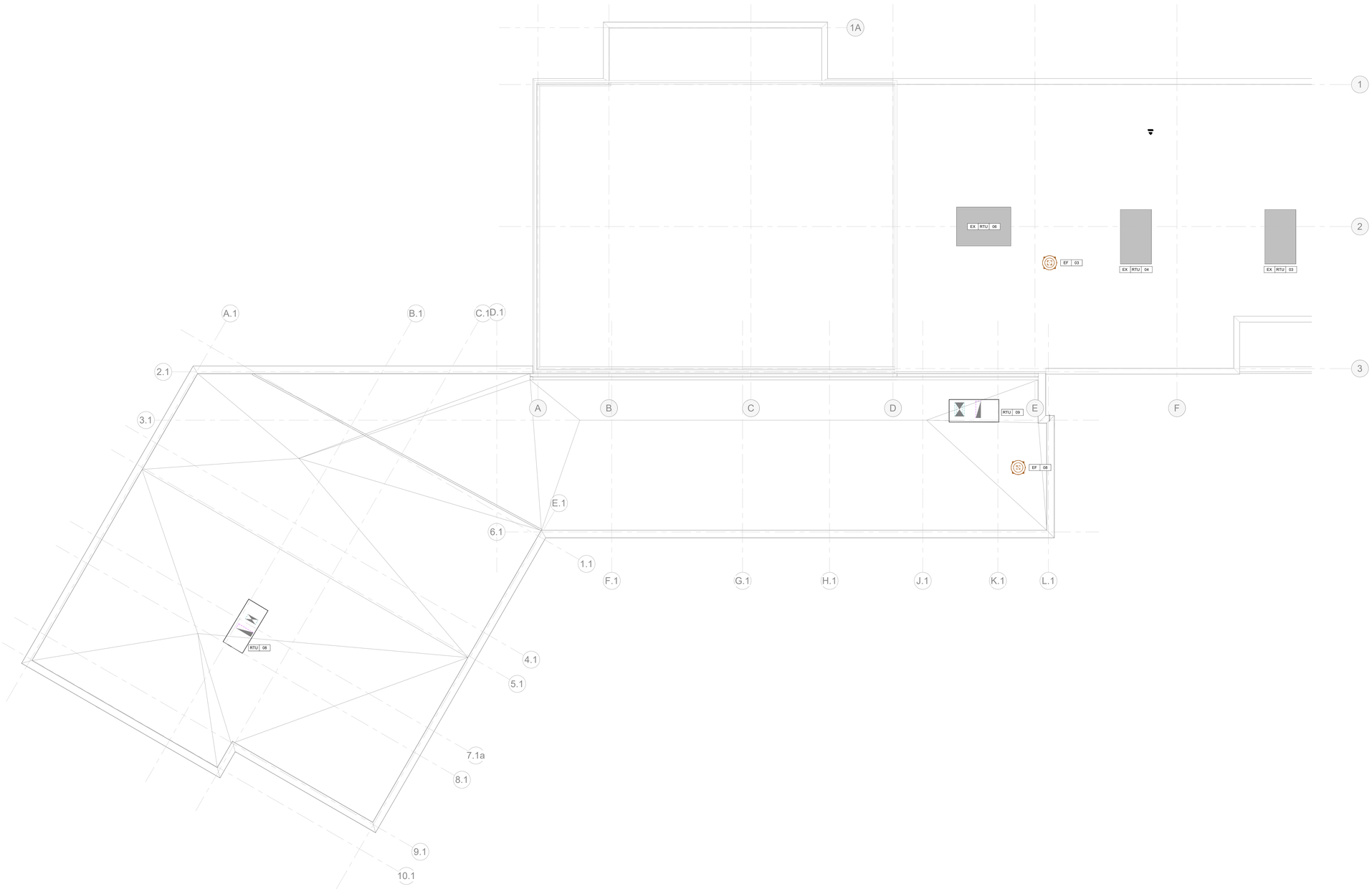
DRAWING No M-502

SCALE 1 : 100

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_HVAC.rvt

GENERAL NOTES

A. THIS DRAWING SHOWS THE GENERAL ARRANGEMENT OF DUCTING AND EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DISTANCES AND OBSTRUCTIONS ON SITE. CONTRACTOR MUST CONFIRM THE DIMENSION OF THE DUCTWORK BEFORE ORDERING ANY MATERIAL.



SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100565682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
VENTILATION
ROOF
NEW WORK

COLOURS LEGEND
VENTILATION

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- SUPPLY
- RETURN
- SANITARY EXHAUST

DRAWING	DESIGN	VERIFICATION
A.HANNA	A.KASSAN	A.KASSAN

BPA PROJECT No: 25-1159

DRAWING No: M-503

SCALE: 1 : 100

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_HVAC.rvt

BUILDING AUTOMATION

- MANUAL SWITCH
- NORMALLY OPEN CONTACT
- TRANSFORMER WITH FUSE
- MANUAL STARTER
- CURRENT TRANSMITTER
- ELECTRIC MOTOR
- DIFFERENTIAL PRESSURE SWITCH
- LIMIT SWITCH
- DUCT TEMPERATURE SENSOR
- TEMPERATURE SENSOR WITH BULB
- DIFFERENTIAL PRESSURE TRANSMITTER
- PITOT TUBE
- AIRFLOW MEASURING STATION
- ROOM THERMOSTAT WITH DISPLAY SCREEN AND ADJUSTEMENT BUTTONS
- BLANK ROOM TEMPERATURE SENSOR
- CO_2 LEVEL TRANSMITTER

- PREFILTER
- FILTER
- MOTORIZED DAMPER
- BACKDRAFT DAMPER
- FAN - VARIABLE VOLUME
- FAN - CONSTANT VOLUME
- DIRECT EXPANSION COIL
- WATER COOLING COIL
- WATER HEATING COIL
- GLYCOL COIL
- GAS BURNER
- ENTHALPY WHEEL WITH VFD

GENERAL

- EQUIPMENT SUPPLIED BY OTHERS
- EXISTING EQUIPMENT
- SYMBOL OF CONTINUITY DUCT
- SYMBOL OF CONTINUITY PIPING
- DIRECTION AIR OR FLUID
- TO REMAIN
- TO REMOVE
- DISMANTLING POINT
- CONNECTION POINT TO EXISTING
- CAPPED FOR FUTURE CONNECTION
- GENERAL REVISION

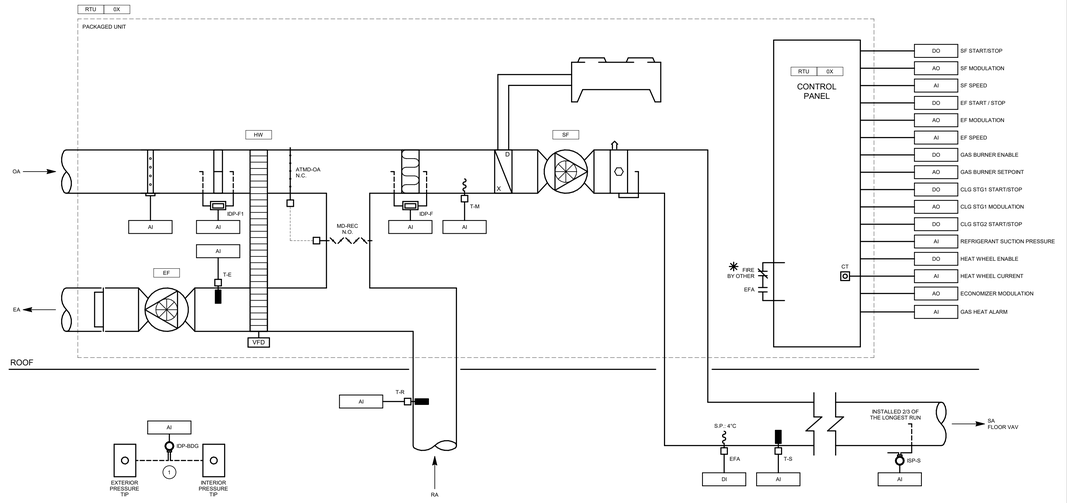
STANDARDIZED IDENTIFICATION

XX	CENTRALIZED POINT (INPUT OR OUTPUT)
NC	NOMALLY CLOSED
NO	NORMALLY OPEN
S/S	START/STOP
SP	SET POINT
MD	MOTORIZED DAMPER
ATMD	AIRTIGHT MOTORIZED DAMPER
FSD-M	FIRE AND SMOKE MOTORIZED DAMPER
BDD	BACKDRAFT DAMPER
EM	MOTOR- ELECTRIC
ECM	ELECTRONICALLY COMMUTATED MOTOR
EA	EXHAUST AIR
OA	OUTDOOR AIR
SA	SUPPLY AIR
RA	RETURN AIR
VFD	VARIABLE FREQUENCY DRIVE
NMC	NETWORK MANAGEMENT CONTROLLER
TCU	TERMINAL CONTROL UNIT
LTS	LOW TEMPERATURE SWITCH
LS	LIMIT SWITCH

- AI: ANALOG INPUT
- AO: ANALOG OUTPUT
- DI: DIGITAL INPUT
- DO: DIGITAL OUTPUT

DRAWING NOTE

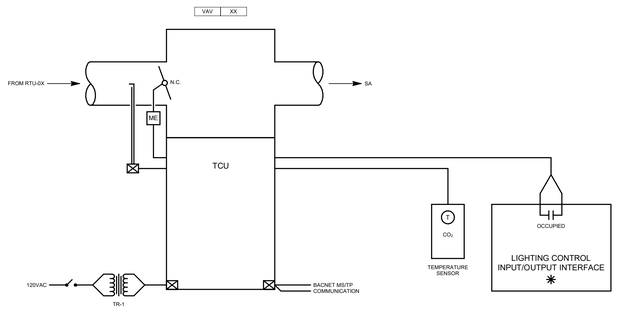
1. INSTALL A DIFFERENTIAL PRESSURE SENSOR TO MAINTAIN THE BUILDING PRESSURE AT ITS SETPOINT. THE INDOOR PORT (HIGH PRESSURE) OF THE SENSOR SHALL BE WHERE PRESSURE IS FAIRLY CONSTANT, SUCH AS AN INTERIOR SPACE FAR FROM EXTERIOR DOORS AND AIR OUTLETS. THE OUTDOOR AIR PRESSURE CONNECTION TO SENSOR MUST BE LOCATED TO AVOID DIRECT EXPOSURE TO WIND, WHICH WOULD CAUSE SIGNAL FLUCTUATIONS. PROVIDE A WIND SHIELD HOUSING TO MITIGATE THIS PROBLEM.



CLASSROOM ROOF TOP UNIT

RTU-08: LOCATED ON THE ROOF
RTU-09: LOCATED ON THE ROOF

(TYPICAL)



LOCAL CONTROLS - VAV

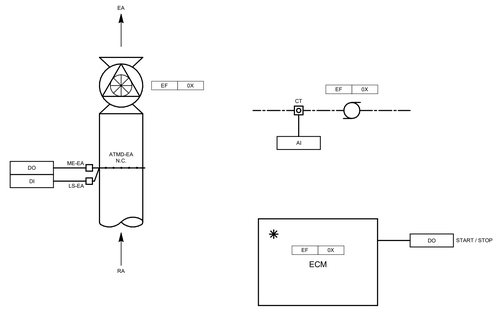
REFER TO MECHANICAL DRAWINGS FOR QUANTITIES AND LOCATIONS

DRAWING NOTE

1. REMOVE EXISTING ROOM TEMPERATURE SENSOR BEFORE INTERIOR DEMOLITION AND REINSTALL TO NEW LOCATION DURING THE CONSTRUCTION PHASE.

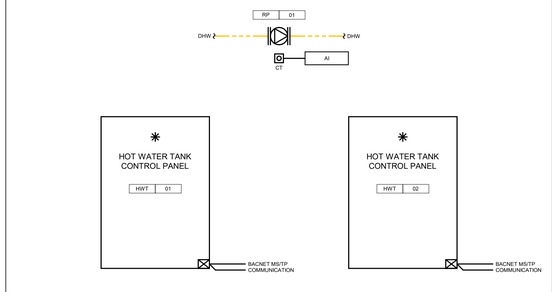


RTU-04 ROOM TEMPERATURE - EXISTING TO REMAIN



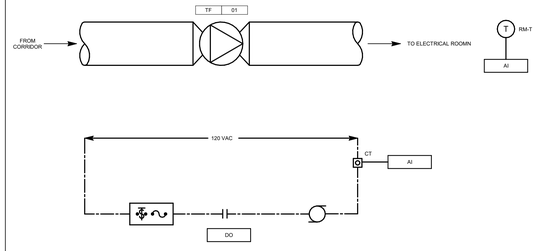
WASHROOM EXHAUST

EF-03
EF-08



DOMESTIC HOT WATER MONITORING

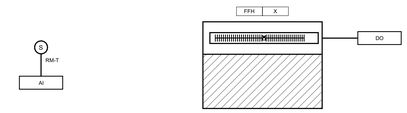
HWT-01 - HOT WATER TANK
HWT-02 - HOT WATER TANK
RP-01 - HOT WATER RECIRCULATION PUMP



ELECTRICAL ROOM

TF-01

(TYPICAL)



ELECTRIC FORCED FLOW HEATER

FFH-1
FFH-2
FFH-3

SEALS

LICENSED PROFESSIONAL ENGINEER
A. KASSAN
100566682
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-22	ISSUED FOR PERMIT AND TENDER	A.K.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

MECHANICAL
CONTROLS
LEGEND AND SCHEMATICS

DRAWING	DESIGN	VERIFICATION
M. EL SABEH	C. BOUVET	A.KASSAN

BPA PROJECT No: 25-1159
DRAWING No: M-600
SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_M_HVAC.rvt

ELECTRICAL LEGEND

LIGHTING

- LIGHT FIXTURE TYPE "A" "1" DENOTES THE CIRCUIT, "a" DENOTES THE SWITCH/CONTROL ZONE "(2)" DENOTES THE PANEL BOARD
- LIGHT FIXTURE TYPE "A" LIFE-SAFETY
- WALL MOUNTED LIGHT FIXTURE TYPE "A"
- LIGHT FIXTURE TYPE "A" "1" DENOTES THE CIRCUIT, "a" DENOTES THE SWITCH/CONTROL ZONE "(2)" DENOTES THE PANEL BOARD
- WALL MOUNTED LIGHT FIXTURE TYPE "A"

LIGHTING CONTROLS

- SINGLE POLE SWITCH "a" INDICATES CONTROLLED LIGHTING FIXTURE ZONE
- MANUAL DIMMER
- SINGLE LOW VOLTAGE SWITCH "a" INDICATES CONTROLLED LIGHTING FIXTURE ZONE
- TWO LOW VOLTAGE SWITCHES IN COMMON BACKBOX "a,b" INDICATES CONTROLLED LIGHTING FIXTURE ZONES
- THREE LOW VOLTAGE SWITCHES IN COMMON BACKBOX "a,b,c" INDICATES CONTROLLED LIGHTING FIXTURE ZONES
- LOCAL LIGHTING CONTROLLER
- WALL MOUNTED SWITCH WITH OCCUPANCY SENSOR
- WALL MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED OCCUPANCY SENSOR
- TIME CLOCK
- DAYLIGHT SENSOR

EMERGENCY LIGHTING & SIGNAGE

- CEILING MOUNTED SINGLE FACE EXIT SIGN
- CEILING MOUNTED DOUBLE FACE EXIT SIGN
- CEILING MOUNTED DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED
- WALL MOUNTED SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED
- EMERGENCY BATTERY UNIT
- EMERGENCY BATTERY UNIT WITH INTEGRAL HEADS
- WALL MOUNTED SINGLE FACE EXIT SIGN WITH INTEGRAL EMERGENCY HEADS
- DUAL CEILING MOUNTED EMERGENCY HEAD
- DUAL WALL MOUNTED EMERGENCY HEAD

FIRE ALARM SYSTEM

- FIRE ALARM PULL STATION
- HEAT DETECTOR - DUAL DETECTION
- SMOKE DETECTOR
- DUCT MOUNTED SMOKE DETECTOR
- CEILING MOUNTED SMOKE DETECTOR WITH PILOT LIGHT
- DUCT MOUNTED SMOKE DETECTOR WITH PILOT LIGHT
- FIRE ALARM HORN
- CEILING MOUNTED FIRE ALARM STROBE LIGHT
- WALL MOUNTED FIRE ALARM STROBE LIGHT
- WALL MOUNTED FIRE ALARM HORN AND STROBE LIGHT
- CEILING MOUNTED COMBINATION FIRE ALARM HORN/STROBE LIGHT
- EOL — END OF LINE RESISTOR
- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNCIATOR PANEL
- AM — ADDRESSABLE MODULE FOR FIRE ALARM
- AR — FIRE ALARM ADDRESSABLE RELAY
- IM — FIRE ALARM ISOLATION MODULE

PUBLIC ADDRESS

- SPK — CEILING MOUNTED SPEAKER

ELECTRICAL DISTRIBUTION

- JUNCTION OR PULL BOX
- DIRECT CONNECTION FROM FLOOR
- DIRECT CONNECTION FROM WALL
- DIRECT CONNECTION FROM CEILING
- SINGLE PHASE MOTOR CONNECTION
- THREE PHASE MOTOR CONNECTION
- MANUAL STARTER
- DISCONNECT SWITCH
- RC-PSNO-201 — ELECTRICAL EQUIPMENT IDENTIFICATION TAG
- SURFACE MOUNTED PANELBOARD
- RECESSED PANELBOARD
- DISTRIBUTION PANELBOARD
- MAGNETIC STARTER
- COMBINATION MAGNETIC STARTER WITH FUSED DISCONNECT SWITCH
- VSD — VARIABLE SPEED DRIVE
- MAGNETIC CONTACTOR
- A — COMBINATION MAGNETIC CONTACTOR WITH FUSED DISCONNECT SWITCH
- METER CABINET
- GROUND BUS BAR
- EQUIPMENT DIRECT CONNECTION
- GROUND
- DISCONNECT SWITCH
- CIRCUIT BREAKER
- FUSED DISCONNECT SWITCH
- FUSED CIRCUIT BREAKER
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER

OUTLETS

- DUPLEX RECEPTACLE - 120V, 15A (5-15R)
- DUPLEX RECEPTACLE - 120V, 15A (5-15R) MOUNTED ABOVE THE COUNTER
- DUPLEX RECEPTACLE - 120V, 15A MOUNTED AT INDICATED HEIGHT
- DUPLEX RECEPTACLE - 120V, 15A/20A
- QUAD RECEPTACLE - 120V, 15A (5-15R)
- QUAD RECEPTACLE - 120V, 15A (5-15R) MOUNTED ABOVE THE COUNTER
- QUAD RECEPTACLE - 120V, 15A/20A (5-20R)
- MW — DUPLEX RECEPTACLE - 120V, 15A (5-15R) FOR MICROWAVE
- F — DUPLEX RECEPTACLE - 120V, 15A (5-15R) FOR FRIDGE
- CEILING MOUNTED DUPLEX RECEPTACLE - 120V, 15A
- DUPLEX RECEPTACLE, 120V, 15A (5-15R), C/W GROUND FAULT INTERRUPTER (GFI)
- DUPLEX RECEPTACLE, 120V, 15/20A (5-20R) , C/W GROUND FAULT INTERRUPTER (GFI)
- DUPLEX RECEPTACLE, 120V, 15A, C/W GROUND FAULT INTERRUPTER (GFI) MOUNTED ABOVE THE COUNTER
- DUPLEX RECEPTACLE, 120V, 15A (5-15R), C/W GROUND FAULT INTERRUPTER (GFI) WEATHERPROOF
- TWISTLOCK RECEPTACLE - 120V, 20A (L5-20R)

STRUCTURED CABLING

- WALL MOUNTED TELECOMMUNICATION OUTLET
- TELECOMMUNICATION OUTLET MOUNTED ABOVE THE COUNTER
- SPECIAL HEIGHT TELECOMMUNICATION OUTLET MOUNTED
- CEILING MOUNTED WIRELESS ACCESS POINT
- ACP — SECURITY ACCESS CONTROL PANEL
- CAB — IT CABINET
- P — PHONE TELECOMMUNICATION OUTLET

MISCELLANEOUS

- HAND DRYER
- WALL MOUNTED SINGLE FACE CLOCK
- FORCE FLOW HEATER - RECESSED OR SEMI-RECESSED
- CEILING MOUNTED SPEAKER
- PBO — PUSH BUTTON TO OPEN DOOR
- DOOR CONTACT
- CR — CARD READER
- ADO — AUTOMATIC DOOR OPERATOR

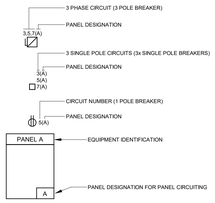
IDENTIFICATION

N	NEW
D	TO REMOVE
E	TO REMAIN
R	TO RELOCATE
M	TO MODIFY
RR	TO REMOVE AND REINSTALL AT SAME LOCATION AFTER ARCHITECTURAL WORK
ER	EXISTING RELOCATED
WP	WEATHERPROOF EQUIPMENT
AFF	MOUNTING HEIGHT ABOVE FINISHED FLOOR
UF	UNFUSED
DN	DOWN
UP	UP
C/W	COMPLETE WITH
NTS	NOT TO SCALE
SP	SPLITTER
CO	CONTACTOR
ST	STARTER
CB	CIRCUIT BREAKER
MC	METER CABINET
DS	DISCONNECT SWITCH
DP	DISTRIBUTION PANEL
BP	BRANCH PANEL
TX	TRANSFORMER
SW	SWITCHBOARD

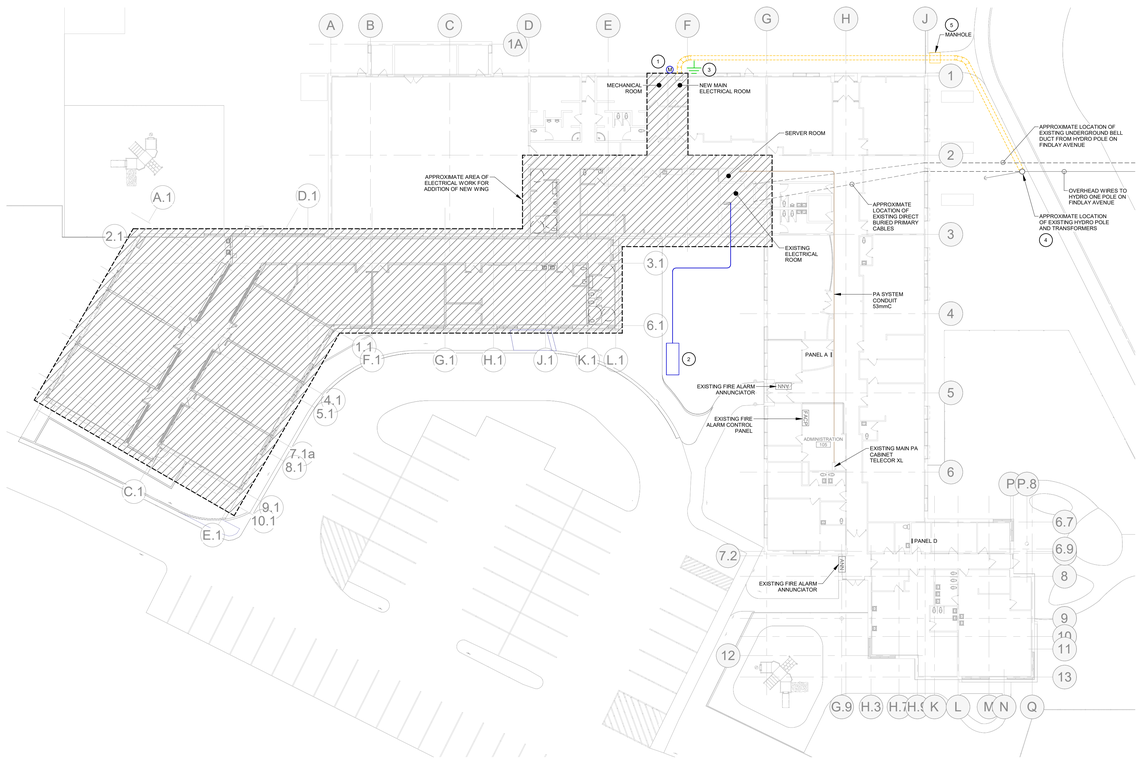
GENERAL

- TO REMAIN
- TO REMOVE

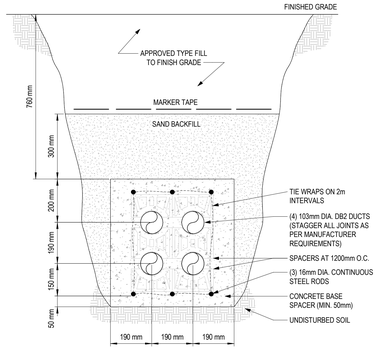
EQUIPMENT IDENTIFICATION



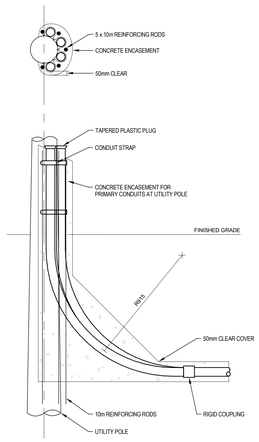
PLAN LIST			
PLAN NO.	DISCIPLINE	SUB-DISCIPLINE	PLAN NAME
E-000	ELECTRICAL	GENERAL	LEGEND, DRAWING LIST & KEY PLAN
E-100	ELECTRICAL	GENERAL	DIAGRAMS
E-101	ELECTRICAL	GENERAL	LIGHTING SCHEDULES
E-102	ELECTRICAL	GENERAL	SCHEDULES
E-103	ELECTRICAL	GENERAL	DETAILS
E-104	ELECTRICAL	GENERAL	DETAILS
E-200	ELECTRICAL	LIGHTING	GROUND FLOOR - DEMOLITION
E-201	ELECTRICAL	LIGHTING	GROUND FLOOR - NEW WORK
E-300	ELECTRICAL	POWER & SERVICES	GROUND FLOOR - DEMOLITION
E-301	ELECTRICAL	POWER & SERVICES	GROUND FLOOR - NEW WORK
E-302	ELECTRICAL	POWER & SERVICES	ROOF - NEW WORK
E-400	ELECTRICAL	FIRE ALARM	GROUND FLOOR - DEMOLITION
E-401	ELECTRICAL	FIRE ALARM	GROUND FLOOR - NEW WORK



1 E-000 ELECTRICAL - KEY PLAN
1 : 250



2 E-000 4 CELL CONCRETE ENCASED DUCT BANK DETAIL



3 E-000 HYDRO TERMINATION AT POLE

DRAWING NOTES

1. ELECTRICAL CONTRACTOR TO RELOCATE EXISTING METER AS INDICATED. PROVIDE NEW WIRING IN EMT CONDUIT TO METERS PTs AND CTs LOCATED IN MAIN ELECTRICAL ROOM. REFER TO DETAILS 1 AND 2 ON THIS DRAWING AND NEW WORK SINGLE LINE DIAGRAM.
   - THREE WEEKS BEFORE CONNECTION ARRANGE FOR DELIVERY OF CTS AND P-BASE ENCLOSURE. MOUNT P-BASE ON EXTERIOR WALL SO THAT WINDOW IS 5-FT ABOVE GROUND LEVEL (1/4" LUGS & SHIELDS OR TAP CON SCREWS ONLY).
   - INSTALL 1-1/4" SOLID CONDUIT WITH FACTORY BENDS (INCLUDE PULL ROPE) FROM METERING CABINET OUTSIDE INTO P-BASE ENCLOSURE.
   - CUT/TERMINATE SECONDARY TO HYDRO ONE INSTALLED CTS.
2. DIVISION 26 TO PROVIDE 150kW, 120/208V MOBILE TEMPORARY GENERATOR, DIESEL FUEL AND MAINTENANCE FOR DURATION OF SERVICE DISRUPTION, AT MINIMUM, ALLOW FOR 7 DAYS OF FUEL AT 100% LOAD. COORDINATE ELECTRICAL SERVICE SHUTDOWN WITH OWNER AND UTILITY COMPANY. PROVIDE TEMPORARY TECK-90 WIRING AND CONNECT TO MAIN LUGS ON PANEL DP-01. AHEAD OF DEPLOYMENT, VISIT SITE WITH OWNERS REPRESENTATIVE TO CONFIRM PATHWAY AND TEMPORARY/RENTAL EQUIPMENT LOCATIONS, MAKE ADJUSTMENTS AS REQUIRED. PERFORM SWITCHOVER AFTER-HOURS, COORDINATE EXACT TIME WITH OWNERS REPRESENTATIVE AND UTILITY COMPANY.
3. PROVIDE AND INSTALL A COMPLETE GROUNDING ELECTRODE SYSTEM FOR MAIN SERVICE EQUIPMENT (SWBD-1) IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC) SECTION 10 AND LOCAL SUPPLY AUTHORITY REQUIREMENTS. REFER TO 5/E-104 FOR DETAILS.
4. PROVIDE NEW 4 CELL CONCRETE ENCASED DUCT BANK FOR SECONDARY FEED FROM POLE MOUNTED TRANSFORMERS TO MAIN SERVICE EQUIPMENT (SWBD-1). REFER TO DETAILS 2 AND 3 ON THIS DRAWING AND NEW WORK SINGLE LINE DIAGRAM ON DRAWING E-100. COORDINATE EXACT ROUTING ON SITE. PATCH AND MAKE GOOD ANY SURFACES DISTURBED BY WORK TO ORIGINAL OR LIKE-NEW CONDITION.
5. PROVIDE ELECTRICAL MANHOLE, REFER TO DETAIL 6/E-104 FOR DETAILS. COORDINATE EXACT LOCATION ON SITE.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY.

- NORMAL POWER
- GROUNDING/LIGHTNING PROTECTION
- DUCTBANK - ELECTRICAL
- EXISTING

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
GENERAL
LEGEND, DRAWING LIST & KEY PLAN

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No: 25-1159
DRAWING No: E-000
SCALE: AS INDICATED
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

SEALS

LICENCED PROFESSIONAL ENGINEER — A. L. WADDELL — 100194762 — 2026-05-29 — PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

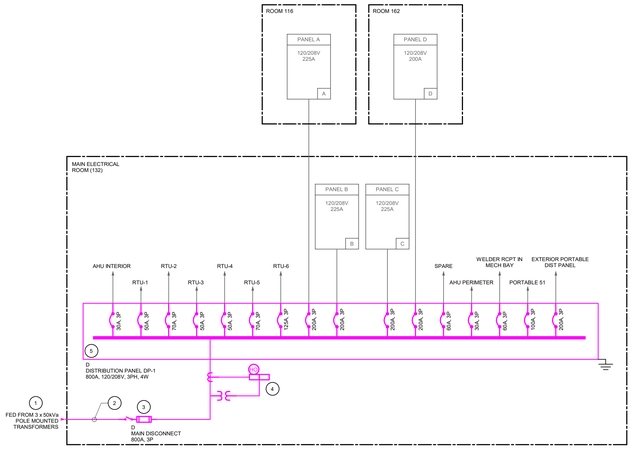
DETAIL NOTES

1. EXISTING HYDRO ONE OWNED TRANSFORMERS TO BE REMOVED BY UTILITY. COORDINATE WORK WITH HYDRO ONE.
2. EXISTING 4#750 MCM R4/90 COREFLEX DIRECT BURIED SECONDARY CONDUCTORS TO BE DISCONNECTED, CUT BACK AND MADE SAFE. AND CABLES UNDER SLAB TO BE ABANDONED IN PLACE.
3. EXISTING 800A FUSED DISCONNECT TO BE DEMOLISHED.
4. EXISTING HYDRO ONE METERING TO BE DEMOLISHED.
5. EXISTING MAIN DISTRIBUTION PANEL TO BE DEMOLISHED. ALL LOADS TO BE TRANSFERRED TO NEW SWITCHBOARD, REFER TO DETAIL #2 ON THIS SHEET. EXISTING WIRING AND CONDUIT TO BE REWORKED AND REUSED TO SERVE EXISTING LOADS FROM NEW SWITCHBOARD.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY.

- EXISTING
- ELEMENT TO MODIFY



1 E-100 PARTIAL SINGLE LINE DIAGRAM - DEMOLITION

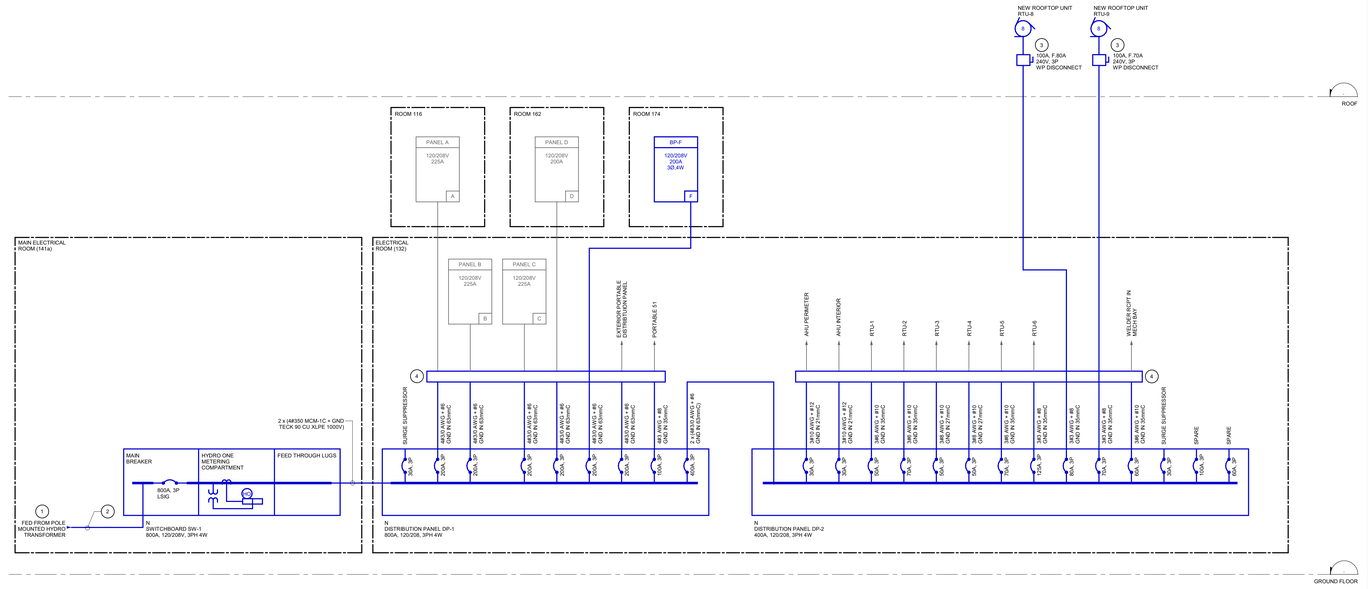
DETAIL NOTES

1. 3 x 50kVA HYDRO ONE OWNED TRANSFORMERS TO BE UPGRADED TO 3 x 75kVA TRANSFORMERS BY UTILITY.
2. PROVIDE NEW 4#900 MCM + #2/0 GND IN 103mmC SECONDARY CONDUCTORS IN 4 CELL DUCT BANK.
3. INSTALL NEW WEATHERPROOF FUSED DISCONNECT SWITCH TO SERVE NEW MECHANICAL ROOF TOP UNIT. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF RTU.
4. PROVIDE AUXILIARY TROUGH TO EXTEND EXISTING WIRING INTO NEW DISTRIBUTION PANEL/SWITCHBOARD. TAP AND SPLICE EXISTING WIRES AS REQUIRED.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY.

- NORMAL POWER
- EXISTING



2 E-100 PARTIAL SINGLE LINE DIAGRAM - NEW WORK

GENERAL NOTES

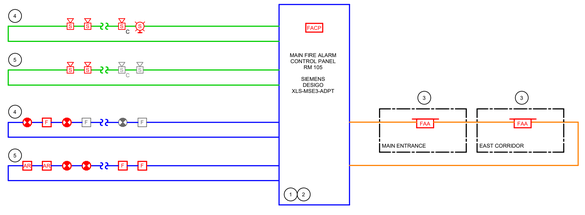
A. QUANTITY OF DEVICES NOT REFLECTED IN SCHEMATIC DRAWING. REFER TO FLOORPLANS FOR EXACT QUANTITIES OF NEW DEVICES.

DETAIL NOTES

1. UPDATE EXISTING FACP SOFTWARE AS REQUIRED TO SUIT FIRE ALARM SYSTEM CHANGES AND ADDITIONS.
2. PROVIDE ALL REQUIRED MODULES, COMPONENTS, ZONES, AMPLIFIERS, PROGRAMMING AND ACCESSORIES AS REQUIRED TO ACCOMMODATE THE REVISIONS AND NEW ADDRESSABLE LOOPS ETC.
3. UPDATE EXISTING FIRE ALARM ANNUNCIATORS TO REFLECT ALL CHANGES.
4. PROVIDE NEW DEVICES ON EXISTING LOOP IN RENOVATED AREAS OF THE EXISTING SCHOOL BUILDING.
5. PROVIDE NEW LOOP AND ZONING FOR NEW ADDITION.

DETAIL LEGEND

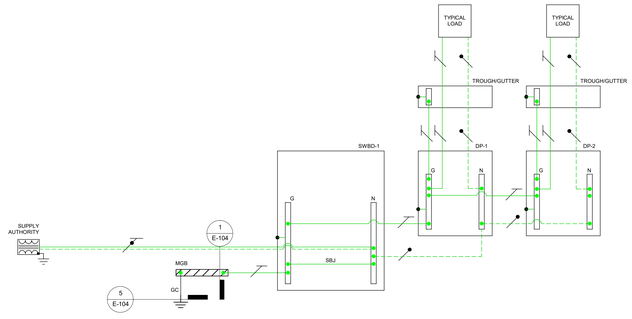
- DETECTION
- SIGNALING
- COMMUNICATION



3 E-100 FIRE ALARM RISER DIAGRAM

LEGEND

- BONDING AND NEUTRAL CONDUCTOR
- BONDING CONDUCTOR
- SBJ — SYSTEM BONDING JUMPER
- GC — GROUND CONDUCTOR
- TERMINATION POINT
- TERMINATION POINT TO CONDUCTIVE ENCLOSURE
- NEUTRAL CONDUCTOR
- N — NEUTRAL BUS BAR
- G — GROUNDING BAR
- GROUNDING ELECTRODE



4 E-100 GROUNDING AND BONDING DIAGRAM

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veearch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL GENERAL DIAGRAMS

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No: 25-1159

DRAWING No: E-100

SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

Printed on 2026-05-28 11:25:25 AM

LIGHTING CONTROLS
FUNCTIONAL REQUIREMENTS SCHEDULE

TYPE	AREA DESCRIPTION	DEVICE REQUIREMENTS	GENERAL OPERATION	SCHEMATIC	IDENTIFICATION
1	CORRIDORS	EM LIGHTING: DOUBLE REMOTE HEADS FED FROM EMERGENCY BATTERY UNIT LIGHTING ZONES: 120VAC NORMAL POWER 24VDC EMERGENCY POWER LOCAL CONTROL: N/A OCCUPANCY SENSOR: DUAL-TECH	TIME CLOCK: 6h00 (ADJUSTABLE) = LIGHTS ON 22h00 (ADJUSTABLE) = LIGHTS OFF OCCUPANCY: UPON OCCUPANT DETECTION LIGHTING IS TURNED ON AT 100% VACANCY: REGULAR BUSINESS HOURS: LIGHTING IS TURNED OFF AT 50% AFTER 20 MINUTE VACANCY PERIOD AFTER HOURS: LIGHTING IS TURNED OFF AT 0% AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: N/A	ZONE "a" 1 TC 10VLC 120V NP CONTINUED 2	
2	LARGE WATERCLOSET	EM LIGHTING: DOUBLE REMOTE HEADS FED FROM EMERGENCY BATTERY UNIT LIGHTING ZONES: 120VAC NORMAL POWER 24VDC EMERGENCY POWER LOCAL CONTROL: N/A OCCUPANCY SENSOR: DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UPON OCCUPANT DETECTION LIGHTING IS TURNED ON AT 100% VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF	ZONE "a" 1 10VLC 120V NP CONTINUED 2	
3	SINGLE TOILET WATERCLOSET	EM LIGHTING: DOUBLE REMOTE HEADS FED FROM EMERGENCY BATTERY UNIT LIGHTING ZONES: 1 NORMAL POWER LOCAL CONTROL: TOGGLE SWITCH OCCUPANCY SENSOR: INTEGRAL TO SWITCH, DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UPON OCCUPANT DETECTION LIGHTING IS TURNED ON AT 100% VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF	120V NP	INTEGRAL SENSOR
4	CLOSET & STORAGE ROOMS	EM LIGHTING: EMERGENCY BATTERY UNIT AND REMOTE HEADS LIGHTING ZONES: 1 NORMAL POWER LOCAL CONTROL: TOGGLE SWITCH OCCUPANCY SENSOR: INTEGRAL TO SWITCH, DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UPON OCCUPANT DETECTION LIGHTING IS TURNED ON AT 100% VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF	120V NP	INTEGRAL SENSOR
5	STAFF ROOM	EM LIGHTING: EMERGENCY BATTERY UNIT AND REMOTE HEADS LIGHTING ZONES: 1 NORMAL POWER LOCAL CONTROL: TOGGLE SWITCH OCCUPANCY SENSOR: DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UNAFFECTED VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF ± RAISE/LOWER	ZONE "a" 1 10VLC 120V NP	100% 50% 0%
6	LARGE CLASSROOM	EM LIGHTING: DOUBLE REMOTE HEADS FED FROM EMERGENCY BATTERY UNIT LIGHTING ZONES: 3-4 NORMAL POWER ZONES AS INDICATED ON PLANS, UNDERCABINET LIGHTING TO BE A ZONE LOCAL CONTROL: TOGGLE SWITCH OCCUPANCY SENSOR: DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UNAFFECTED VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF ± RAISE/LOWER	ZONE "a" ZONE "b" 1 1 10VLC 10VLC 120V NP 120V NP CONTINUED 2	100% 50% 0%
7	CLASSROOM	EM LIGHTING: DOUBLE REMOTE HEADS FED FROM EMERGENCY BATTERY UNIT LIGHTING ZONES: 2 NORMAL POWER ZONES LOCAL CONTROL: TOGGLE SWITCH OCCUPANCY SENSOR: DUAL-TECH	TIME CLOCK: N/A OCCUPANCY: UNAFFECTED VACANCY: LIGHTING IS TURNED OFF AFTER 20 MINUTE VACANCY PERIOD LOCAL CONTROL: ON/OFF ± RAISE/LOWER	ZONE "a" ZONE "b" 1 1 10VLC 10VLC 120V NP 120V NP CONTINUED 2	100% 50% 0%
8	EXTERIOR	EM LIGHTING: N/A LIGHTING ZONES: NORMAL POWER LOCAL CONTROL: N/A OCCUPANCY SENSOR: N/A	TIME CLOCK: 30 MINUTES BEFORE SUNSET = LIGHTS ON 30 MINUTES AFTER SUNRISE = LIGHTS OFF OCCUPANCY: N/A VACANCY: N/A LOCAL CONTROL: SWITCH DISABLES TIME CLOCK, ENERGIZES LIGHTING	ADDITIONAL FIXTURES ADDITIONAL FIXTURES TC 120V NP INTEGRAL OVERRIDE SWITCH	

WIRING LEGEND:

LIGHTING COMMUNICATION CABLE
- COMMUNICATION CABLING TO BE AS PER LIGHTING CONTROL MANUFACTURER REQUIREMENTS
- SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR

#12-2C 120V CABLING
- SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR

OTHER
- AS INDICATED ON DETAILS

ABBREVIATIONS:

NP	NORMAL POWER
EM	EMERGENCY POWER
LCS	LIGHTING CONTROL SYSTEM
LC	SWITCHING LIGHTING CONTROLLER
10VLC	0-10V LIGHTING LOAD CONTROLLER
EPC	EMERGENCY POWER CONTROL INTERFACE

GENERAL DETAIL NOTES

A. AT TIME OF TENDER, OBTAIN MANUFACTURERS SPECIFIC INSTALLATION INSTRUCTIONS, SCHEMATICS AND DIAGRAMS FROM LIGHTING CONTROL VENDOR. ALLOW FOR ALL LABOR AND MATERIALS REQUIRED FOR THE COMPLETE AND FUNCTIONAL INSTALLATION OF THE LIGHTING CONTROL SYSTEM.

B. PERFORM INSTALLATION OF LIGHTING CONTROL SYSTEM IN CONFORMANCE WITH MANUFACTURER INSTALLATION INSTRUCTION. PROVIDE ANY LIGHTING CONTROL AUXILIARY DEVICES REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

C. PROVIDE DEDICATED 21 mm CONDUIT FOR CONTROL CABLING BETWEEN LIGHTING LOAD CONTROLLERS AND LUMINAIRES FOR INACCESSIBLE AND EXPOSED CEILINGS.

D. TO IDENTIFY LIGHTING CONTROL FUNCTIONALITY, PROVIDE CUSTOM ENGRAVINGS FOR DEVICES & FACE PLATES AS SHOWN IN THESE DETAILS. ALL BUTTONS TO BE ENGRAVED POST COMPLETION AND ACCEPTANCE OF SYSTEM DEMONSTRATION. SUBMIT PROPOSED FACE PLATE AND BUTTON ENGRAVINGS TO OWNER REPRESENTATIVE FOR REVIEW.

E. WALL STATION FACE PLATES TO BE SCREWLESS TYPE AND HAVE NO VISIBLE HARDWARE; THE FRONT PLATE SECURELY SNAPS INTO THE ALIGNMENT ADAPTER PLATE.

F. THESE DETAILS SHOWS THE GENERAL CONFIGURATION OF DEVICES AND FACE PLATES, REFER TO 200 SERIES DRAWINGS FOR DEVICES QUANTITIES AND GANGING.

DETAIL NOTES

1. PROVIDE 0-10V CONTROL CABLING BETWEEN LUMINAIRE AND LOAD CONTROLLER, CABLING TO BE COORDINATED WITH MANUFACTURER REQUIREMENTS.
2. REFER TO 200 SERIES DRAWINGS FOR QUANTITIES AND LOCATIONS OF CONTROL DEVICES.

LIGHTING FIXTURE AND EXIT SIGNAGE SCHEDULE

TYPE	DESCRIPTION	MATERIALS	LIGHT SOURCE				VOLTAGE	WATTAGE	DIMMING	FINISH	MOUNTING	NOTES
			TYPE	LUMENS	CRI	CCT						
RT1	2' x 4' SHALLOW TROFFER		LED	4,000	80 +	3500 K	120-277 VAC	35 W	0-10V	WHITE	RECESSED T-BAR	- ADJUSTABLE LUMEN OUTPUT 4000/5000/6000 - SWITCHABLE CCT 3500K/4000K/5000K
RT2	2' x 4' SHALLOW TROFFER		LED	5,000	80 +	3500 K	120-277 VAC	45 W	0-10V	WHITE	RECESSED T-BAR	- ADJUSTABLE LUMEN OUTPUT 4000/5000/6000 - SWITCHABLE CCT 3500K/4000K/5000K
R1	4" ROUND DOWNLIGHT		LED	750	80 +	3500 K	120-277 VAC	9 W	0-10V	WHITE	RECESSED T-BAR	- ADJUSTABLE LUMEN OUTPUT 500/750/1000 - SWITCHABLE CCT 3000K/3500K/4000K/5000K - WIDE ANGLE DISTRIBUTION
R2	4" ROUND DOWNLIGHT		LED	1,000	80 +	3500 K	120-277 VAC	13 W	0-10V	WHITE	RECESSED T-BAR	- ADJUSTABLE LUMEN OUTPUT 1000/1500/2000 - SWITCHABLE CCT 3000K/3500K/4000K/5000K - WIDE ANGLE DISTRIBUTION
R3	4" ROUND DOWNLIGHT		LED	1,000	80 +	3500 K	120-277 VAC	13 W	0-10V	WHITE	RECESSED GYPSUM	- ADJUSTABLE LUMEN OUTPUT 1000/1500/2000 - SWITCHABLE CCT 3000K/3500K/4000K/5000K - WIDE ANGLE DISTRIBUTION
S1	4' SUSPENDED LINEAR FIXTURE		LED	500/ft.	80 +	3500 K	120-277 VAC	16 W	0-10V	TBD	SUSPENDED	- 4" WIDE FIXTURE TO BE SUSENDED IN WOODEN SLAT CEILING, COORDINATE INSTALLATION
L1	LINEAR TAPE STRIP LIGHT		LED	300/ft.	90 +	3500 K	24 V	2.5 W/FT	N/A	WHITE	UNDER CABINET U-CLIP	- PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION - STRIP TO HAVE CHANNEL/FROSTED COVER - DRIVER TO BE LOCATED OUT OF SIGHT
L2	4' SURFACE MOUNT STRIP LIGHT		LED	4,000	80 +	3500 K	120 VAC	30 W	N/A	WHITE	SURFACE	- ADJUSTABLE LUMEN OUTPUT 3000/4000/5000 - SWITCHABLE CCT 3500K/4000K/5000K
W1	EXTERIOR WALL PACK		LED	3,200	80 +	3500 K	120 VAC	23 W	N/A	TBD	WALL MOUNTED	
RH1	DOUBLE EMERGENCY REMOTE HEAD		LED	N/A	N/A	N/A	24 V	4 W	N/A	WHITE	WALL MOUNTED	- TWO (2) HEADS PER CANOPY
EBU1 TO EBU3	STEEL BATTERY UNIT WITH DOUBLE EMERGENCY REMOTE HEAD		LED	N/A	N/A	N/A	120 VAC/ 24 V	100 W	N/A	WHITE	WALL MOUNTED	- TWO (2) HEADS - AUTOMATIC TEST SELF-DIAGNOSTIC - WATTAGE CAPACITY SUITABLE FOR MINIMUM OF 100W LOAD AT 90 MINUTE RUN-TIME
EBU4	STEEL BATTERY UNIT WITH DOUBLE EMERGENCY REMOTE HEAD		LED	N/A	N/A	N/A	120 VAC/ 24 V	30 W	N/A	WHITE	WALL MOUNTED	- TWO (2) HEADS - AUTOMATIC TEST SELF-DIAGNOSTIC - WATTAGE CAPACITY SUITABLE FOR MINIMUM OF 30W LOAD AT 90 MINUTE RUN-TIME
X1	RUNNING MAN EXIT SIGN		LED	N/A	N/A	N/A	120 VAC/ 24 V	2 W	N/A	WHITE	SURFACE/ RECESSED AS REQUIRED	-UNIVERSAL FACE AND PICTOGRAM -SINGLE OR DOUBLE SIDED -CSA C22.2 NO. 141 CERTIFIED

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
GENERAL
LIGHTING SCHEDULES

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL
BPA PROJECT No: 25-1159	DRAWING No: E-101	
SCALE: NTS		

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

EXISTING PANEL B(B)

Room: **Feeder:** DP-01 **Level:** t.o. SLAB
Voltage: 120/208V **Phases:** 3 **Wires:** 4 **AIC:**
Bus Material: **Bus Ampacity:** 225 A **Main Circuit Breaker:** N/A

Note	Description	Br.	Poles	CCT	A		B		C		CCT	Poles	Br.	Description	Note
	EXISTING	15 A	1	1	0 W	0 W					2	1	15 A	EXISTING	
	EXISTING	15 A	1	3			0 W	0 W			4	1	15 A	EXISTING	
	EXISTING	15 A	1	5					0 W	0 W	6	1	15 A	EXISTING	
	EXISTING	15 A	1	7	0 W	0 W					8	1	15 A	EXISTING	
	EXISTING	15 A	1	9			0 W	0 W			10	1	15 A	EXISTING	
	EXISTING	15 A	1	11					0 W	0 W	12	1	15 A	EXISTING	
	EXISTING	15 A	1	13	0 W	0 W					14	1	15 A	EXISTING	
	EXISTING	15 A	1	15			0 W	0 W			16	1	15 A	EXISTING	
	EXISTING	15 A	1	17					0 W	0 W	18	1	15 A	EXISTING	
	EXISTING	15 A	1	19	0 W	0 W					20	1	15 A	EXISTING	
	EXISTING	15 A	1	21			0 W	0 W			22	1	15 A	EXISTING	
	EXISTING	15 A	1	23					0 W	0 W	24	1	15 A	EXISTING	
	EXISTING	15 A	1	25	0 W	0 W					26	1	20 A	EXISTING	
	EXISTING	15 A	1	27			0 W	0 W			28	1	15 A	EXISTING	
	EXISTING	20 A	1	29					0 W	0 W	30	1	15 A	EXISTING	
	EXISTING	20 A	1	31	0 W	0 W					32	1	15 A	EXISTING	
	EXISTING	15 A	1	33			0 W	0 W			34	1	15 A	EXISTING	
	EXISTING	15 A	1	35					0 W	0 W	36	1	15 A	EXISTING	
	EXISTING	15 A	1	37	0 W	0 W					38	2	40 A	EXISTING	
	EXISTING	15 A	1	39			0 W	0 W			40				
	EXISTING	20 A	2	41					0 W	500 W	42	1	15 A	HWT-01	3
				43	0 W	500 W					44	1	15 A	HWT-02	3
	EXISTING	15 A	1	45			0 W	0 W			46				
	EXISTING	15 A	1	47					0 W	0 W	48	3	30 A	EXISTING	
	EXISTING	20 A	2	49	0 W	0 W					50				
				51			0 W	0 W			52	1	15 A	EXISTING	
	EXISTING	15 A	1	53					0 W	0 W	54	1	15 A	EXISTING	
	EXISTING	15 A	1	55	0 W	0 W					56	1	15 A	EXISTING	
	EXISTING	15 A	1	57			0 W	0 W			58	1	15 A	EXISTING	
	EXISTING	15 A	1	59					0 W	0 W	60	1	15 A	EXISTING	
	EXISTING	15 A	1	61	0 W	0 W					62	1	15 A	EXISTING	
	EXISTING	15 A	1	63			0 W	0 W			64	1	15 A	EXISTING	
	EXISTING	15 A	1	65					0 W	0 W	66	1	15 A	EXISTING	
1	HOUSEKEEPING RCPT	20 A	1	67	180 W	360 W					68	1	15 A	RECEPTACLES RM 134	1
2	HAND DRYER W/C 135	20 A	1	69			1000 W	1000 W			70	1	20 A	HAND DRYER W/C 134A	2
2	HAND DRYER W/C 135	20 A	1	71					1000 W		72				
	Total Charge:				1040 W		2000 W		1500 W						
	Total Courant :				9 A		17 A		13 A						

Panel Summary	
Total Connected Load:	4540 W
Total Connected Amperage:	13 A

Notes:
0. CUTLER-HAMMER POW-R-LINE C PRL-1 PANELBOARD
1. PROVIDE NEW BREAKER
2. PROVIDE NEW GFCI TYPE CIRCUIT BREAKER
3. REMOVE EXISTING 20A, 2P BREAKER FOR ELECTRIC FORCE FLOW HEATER EFF-5 DEMOLISHED AS PART OF THESE RENOVATIONS. PROIVDE TWO NEW 15A, 1P BREAKERS FOR HOT WATER TANK CONNECTIONS.

EXISTING PANEL C(C)

Room: **Feeder:** DP-01 **Level:** t.o. SLAB
Voltage: 120/208V **Phases:** 3 **Wires:** 4 **AIC:**
Bus Material: **Bus Ampacity:** 225 A **Main Circuit Breaker:** N/A

Note	Description	Br.	Poles	CCT	A		B		C		CCT	Poles	Br.	Description	Note
1	EXISTING	15 A	1	1	0 W	0 W					2	1	15 A	EXISTING	
1	LGT - EXISTING + KINDERGARTEN 134	15 A	1	3			674 W	0 W			4	1	15 A	EXISTING	
1	LGT - EXISTING + RMS 106 & 135	15 A	1	5					130 W	0 W	6	2	15 A	EXISTING	
1	LGT - EXISTING + RMS 141 & 141a	15 A	1	7	339 W	0 W					8				
	EXISTING	15 A	1	9			0 W	0 W			10	1	15 A	EXISTING	
	EXISTING	20 A	1	11					0 W	0 W	12	1	15 A	EXISTING	
	EXISTING	20 A	1	13	0 W	0 W					14	1	15 A	EXISTING	
	EXISTING	15 A	1	15			0 W	0 W			16	2	15 A	EXISTING	
	EXISTING	15 A	1	17					0 W	0 W	18				
	EXISTING	15 A	1	19	0 W	0 W					20	1	15 A	EXISTING	
	EXISTING	15 A	1	21			0 W	540 W			22	1	15 A	EXISTING	
1	EXISTING + NEW EXITS & EBU	15 A	1	23					148 W	0 W	24	1	15 A	EXISTING	
	EXISTING	15 A	1	25	0 W	0 W					26	1	15 A	EXISTING	
	EXISTING	15 A	1	27			0 W	0 W			28	1	15 A	EXISTING	
	EXISTING	20 A	2	29					0 W	0 W	30	2	15 A	EXISTING	
				31	0 W	0 W					32				
	EXISTING	15 A	1	33			0 W	0 W			34	1	15 A	EXISTING	
	EXISTING	15 A	1	35					0 W	0 W	36	1	15 A	EXISTING	
	EXISTING	15 A	1	37	0 W	0 W					38	1	15 A	EXISTING	
	EXISTING	15 A	2	39			0 W	0 W			40	1	15 A	EXISTING	
				41					0 W	0 W	42	1	15 A	EXISTING	
	EXISTING	15 A	2	43	0 W	0 W					44	1	15 A	EXISTING	
				45			0 W	0 W			46	2	50 A	EXISTING	
	EXISTING	15 A	2	47					0 W	0 W	48				
				49	0 W	0 W					50	1	15 A	EXISTING	
	EXISTING	15 A	1	51			0 W	0 W			52	1	15 A	EXISTING	
3	EF-03	15 A	1	53					75 W	0 W	54	1	15 A	EXISTING	
	EXISTING	15 A	1	55	0 W	0 W					56				
	EXISTING	15 A	1	57			0 W	0 W			58	3	15 A	EXISTING	
	TF-3	15 A	1	59					600 W	0 W	60				
	EXISTING	15 A	1	61	0 W	0 W					62	1	15 A	EXISTING	
	EXISTING	15 A	1	63			0 W	0 W			64	1	15 A	EXISTING	
	EXISTING	20 A	2	65					0 W	0 W	66	2	15 A	EXISTING	
				67	0 W	0 W					68				
	EXISTING	20 A	2	69			0 W	0 W			70	2	20 A	EXISTING	
				71					0 W	0 W	72				
	Total Charge:				339 W		1214 W		953 W						
	Total Courant :				3 A		11 A		9 A						

Panel Summary	
Total Connected Load:	2506 W
Total Connected Amperage:	7 A

Notes:
0. CUTLER-HAMMER POW-R-LINE C PRL-1 PANELBOARD
1. CONTRACTOR TO CONFIRM EXISTING CIRUIT AND LOAD. RE-USE EXISTING CIRCUITS IN RENOVATED AREAS FOR NEW LIGHTING. UPDATE PANEL SCHEDULES ACCORDINGLY
2. WATER HEATER REMOVED FROM CIRCUIT. PROVIDE CONNECTION TO NEW RECIRULATION PUMP. UPDATE PANEL SCHEDULE.
3. RECONNECT TO NEW EXHAUST FAN UPON COMPLETION OF MECHANICAL INSTALLATION.

BP-F(F)

Room: STAFF 174 **Feeder:** 1 **Level:** t.o. SLAB
Voltage: 120/208V **Phases:** 3 **Wires:** 4 **AIC:** 18kA
Bus Material: COPPER **Bus Ampacity:** 225 A **Main Circuit Breaker:** N/A

Note	Description	Br.	Poles	CCT	A		B		C		CCT	Poles	Br.	Description	Note
	ROOFTOP MAINTENANACE RCPT	20 A	1	1	360 W	296 W					2	1	15 A	BATTERY PACKS AND EXIT SIGNS	
	HOUSEKEEPIN RCPT	20 A	1	3			900 W	1000 W			4	1	20 A	HAND DRYER W/C 170	1
1	HAND DRYER W/C 171B	20 A	1	5					1000 W	1000 W	6	1	20 A	HAND DRYER W/C 170	1
	DOOR OPERATOR	15 A	1	7	300 W						8				
1	BOTTLE FILLING STATION	15 A	1	9			180 W	1080 W			10	1	15 A	RECEPTACLES RM 171 & 172	
	RECEPTACLES RM 171 & 172	15 A	1	11					1080 W	1080 W	12	1	15 A	RECEPTACLES RM 173 & 175	
	RECEPTACLES RM 174 & 180	15 A	1	13	900 W	720 W					14	1	15 A	RECEPTACLES RM 173 & 175	
	RECEPTACLES RM 176 & 177	15 A	1	15			900 W	900 W			16	1	15 A	RECEPTACLES RM 176 & 177	
	RECEPTACLES RM 178 & 179	15 A	1	17					900 W	900 W	18	1	15 A	RECEPTACLES RM 178 & 179	
	RECEPTACLES RM 180	15 A	1	19	720 W	180 W					20	1	20 A	IT CABINET	
	SECURITY CONTROL PANEL	20 A	1	21			680 W	1174 W			22	1	15 A	LGT - RM 171-172	
	LGT - CORRIDOR 107 & W/C 170	15 A	1	23					1440 W	1045 W	24	1	15 A	LGT - RMS 173-175	
	LGT - RM 176-177	15 A	1	25	990 W	990 W					26	1	15 A	LGT - RM 178-179	
	LGT - RM 180	15 A	1	27			730 W	368 W			28	1	15 A	LGT - EXTERIOR	
1	SP-01	15 A	1	29					225 W		30				
				31	1000 W						32				
	CUH-01	15 A	3	33			1000 W				34				
				35					1000 W		36				
				37	1000 W						38				
	CUH-02	15 A	3	39			1000 W				40				
				41					1000 W		42				
				43	3333 W						44				
	CUH-03	35 A	3	45			3333 W				46				
				47					3333 W		48				
	EF-08	15 A	1	49	75 W						50				
	PLUMBING FIXTURES	15 A	1	51			200 W				52				
				53							54				
				55							56				
				57							58				
				59							60				
				61							62				
	SPARE	15 A	1	63			0 W	0 W			64	1	15 A	SPARE	
	SPARE	15 A	1	65					0 W	0 W	66	1	15 A	SPARE	
	SPACE	--	1	67	-	0 W					68	1	20 A	SPARE	
	SPACE	--	1	69			-	-			70	1	--	SPACE	
	SPACE	--	1	71					-		72	1	--	SPACE	
	Total Charge:				10864 W		13445 W		14009 W						
	Total Courant :				91 A		115 A		120 A						

Panel Summary	
Total Connected Load:	38319 W
Total Connected Amperage:	106 A

Notes:
1. GFCI TYPE CIRCUIT BREAKER

HAND DRYER SCHEDULE

TYPE	DESCRIPTION	IMAGE	CAPACITY	VOLTAGE /PHASE	NOTES
HD-01	394mm x 234mm x 100mm DYSON AIRBLADE V		1 kW	120/1Ø	- TOUCH FREE CAPACITIVE SENSOR ACTIVATION - HAND DRY TIME MEASUREMENTS: 12 SECONDS - FINISH: STAINLESS STEEL - C/W OPTIONAL BACK PANEL 800mm x 400mm x 0.5mm

ELECTRIC HEATER SCHEDULE

TYPE	DESCRIPTION	IMAGE	COIL CAPACITY	VOLTAGE /PHASE	FINISH	NOTES
CUH-01	660mm(H) x 711mm(L) x 254mm(D) RECESSED CABINET UNIT HEATER (EQUAL TO: OUELLET OCA SERIES)		3.0kW	208V/3PH	WHITE	- FLUSH MOUNTING KIT FOR RECESSED INSTALLATION - DISCONNECT SWITCH - 24V CONTROL RELAY WITH TRANSFORMER - WIRED TO COMMUNICATING THERMOSTAT PROVIDED BY DIVISION 25
CUH-02	660mm(H) x 711mm(L) x 254mm(D) RECESSED CABINET UNIT HEATER (EQUAL TO: OUELLET OCA SERIES)		3.0kW	208V/3PH	WHITE	- SURFACE MOUNTING KIT FOR CEILING INSTALLATION - DISCONNECT SWITCH - 24V CONTROL RELAY WITH TRANSFORMER - WIRED TO COMMUNICATING THERMOSTAT PROVIDED BY DIVISION 25
CUH-03	660mm(H) x 1219mm(L) x 254mm(D) RECESSED CABINET UNIT HEATER (EQUAL TO: OUELLET OCA SERIES)		10kW	208V/3PH	WHITE	- SURFACE MOUNTING KIT FOR CEILING INSTALLATION - DISCONNECT SWITCH - 24V CONTROL RELAY WITH TRANSFORMER - WIRED TO COMMUNICATING THERMOSTAT PROVIDED BY DIVISION 25

MOTOR CONNECTION LIST

IDENTIFICATION	LOCATION	DESCRIPTION	MOTOR HORSEPOWER (HP)	MOTOR WATTAGE (W)	MOTOR FLA (AMPS)	MOTOR BREAKER AMPACITY	MOTOR VOLTAGE AND PHASE	FEEDER	DISCONNECT AT MOTOR: MOTOR RATED TOGGLE	FUSED	NON-FUSED	FRAME AMPACITY	NEMA TYPE	SUPPLIED BY	INSTALLED BY	WIRED BY	STARTER / DRIVE: MANUAL STARTER	MAGNETIC STARTER	VFD DRIVE	SUPPLIED BY	INSTALLED BY	WIRED BY	START UP BY	F.A. FAN SHUTDOWN	NOTES
RTU-08	ROOF	ROOF TOP AIR HANDLING UNIT			61	80A	208V, 3PH	REFER TO SINGLE LINE...		80		100	4X	26	26	26			NO-BYPASS	23	23	26	23	X	
RTU-09	ROOF	ROOF TOP AIR HANDLING UNIT			58	70A	208V, 3PH	REFER TO SINGLE LINE...		70		100	4X	26	26	26			NO-BYPASS	23	23	26	23	X	
HWT-01	158	HOT WATER TANK			5	15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26							23		
HWT-02	158	HOT WATER TANK			5	15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26							23		
RP-01	158	HOT WATER RECIRCULATION PUMP		87		15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26		DIRECT-ON-LINE		26	26	26	23		
SP-01	180	SEWAGE PUMP	0.3			15	120V, 1PH	2#12 AWG + #12 BND - 21mmC															23		PLUG-IN CONNECTION
EF-03	ROOF	EXHAUST FAN	0.1			15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26	1-SPEED			26	26	26	23		
EF-08	ROOF	EXHAUST FAN	0.1			15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26	1-SPEED			26	26	26	23		
TF-3	141	TRANFER FAN	0.1			15	120V, 1PH	2#12 AWG + #12 BND - 21mmC	X					26	26	26	1-SPEED			26	26	26	23		

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

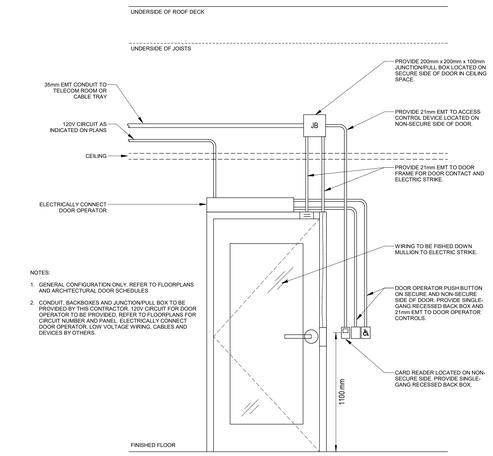
DRAWING TITLE

ELECTRICAL GENERAL SCHEDULES

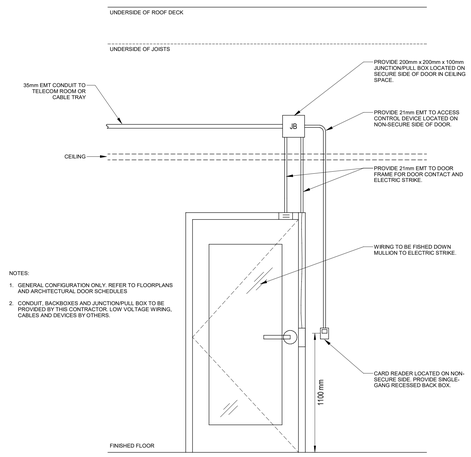
DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No: 25-1159
SCALE: NTS
DRAWING No: E-102

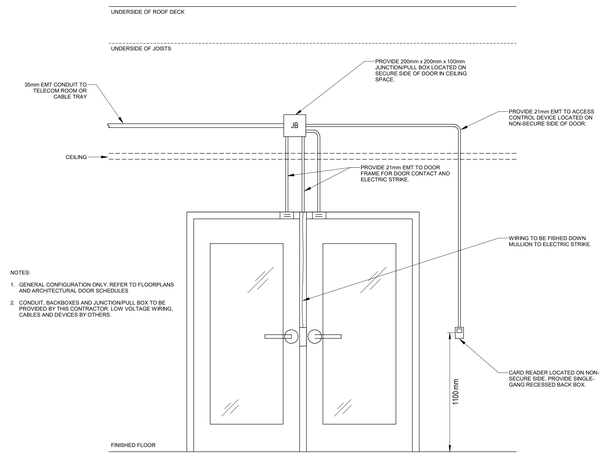
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_ELrvt



1 E-103 SINGLE SECURE DOOR WITH AUTOMATIC DOOR OPERATOR DETAIL

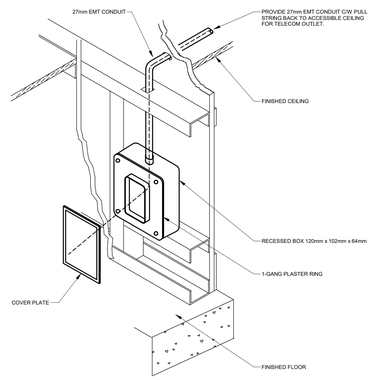


2 E-103 SINGLE SECURE DOOR DETAIL



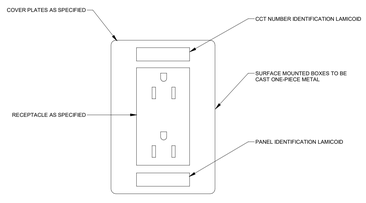
3 E-103 DOUBLE SECURE DOOR DETAIL

PLAN VIEW



4 E-103 TELECOMMUNICATION OUTLET DETAIL

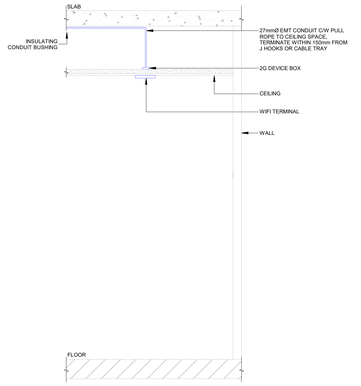
PLAN VIEW



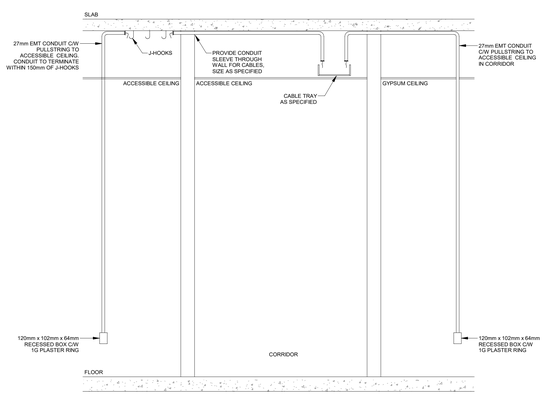
NOTE: UNLESS OTHERWISE INDICATED, ALL THE SERVICES (SWITCHES, ALL TYPES OF OUTLETS) AND THEIR PLATE FINISH ON WHITE MILLWORK MUST BE FINISHED WHITE.

5 E-103 DUPLEX RECEPTACLE DETAIL

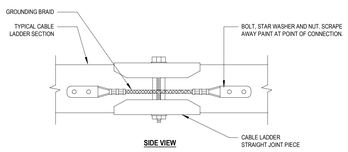
PLAN VIEW



6 E-103 CEILING MOUNTED WIRELESS ACCESS POINT (WAP) DETAIL



7 E-103 TELECOMMUNICATION OUTLET INSTALLATION DETAIL



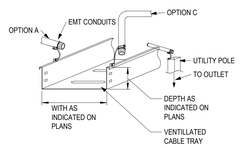
SIDE VIEW

NOTES:

A. TYPICAL BONDING BETWEEN CABLE TRAY SECTIONS

B. GROUND BRAID ONLY OCCURS ON ONE SIDE OF LADDER. BE CONSISTENT ON WHICH SIDE IT OCCURS. DO NOT SWITCH SIDES.

8 E-103 CABLE TRAY JOINT AND BONDING



CONDUITS:

1. SHALL COMMENCE WITHIN 100mm ABOVE AND PERPENDICULAR TO THE INSIDE EDGE OF THE CABLE TRAY ON THE CLOSEST SIDE TO THE OUTLET BOX.
2. SHALL BE REAMED AND BUSHED.
3. SHALL BE BONDED WITH BARE, #6 AWG RW90 STRANDED COPPER CONDUCTOR (OPTIONS A & C) OR MECHANICALLY BONDED TO THE CABLE TRAY WITH ELECTRICALLY CONDUCTIVE MATERIAL NOT PRONE TO GALVANIC CORROSION (OPTION B).
4. SHALL USE IRREVERSIBLE COMPRESSION ON OR EXOTHERMIC WELD TYPE LUGS/CONNECTORS. INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
5. MATERIALS BOLTED OR RIVETED TO THE CABLE TRAY SHALL BE FREE OF BURRS AND OR SHARP EDGES. DO NOT ALLOW BOLTS AND/OR RIVETS TO OBSTRUCT OR INTERFERE WITH THE INTERIOR SPACE OF THE TRAY.

9 E-103 EMT ENTRY INTO CABLE TRAY

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 303, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
GENERAL
DETAILS

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

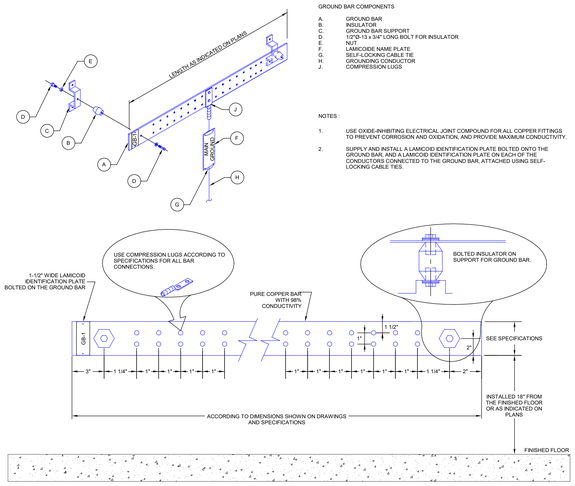
BPA PROJECT No 25-1159

DRAWING No E-103

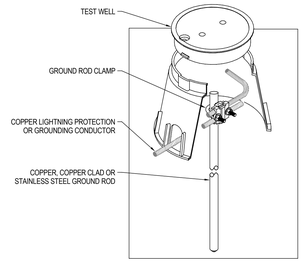
SCALE NTS

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

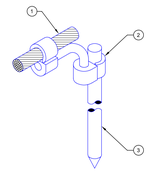
Printed on 2026-05-28 11:25:27 AM



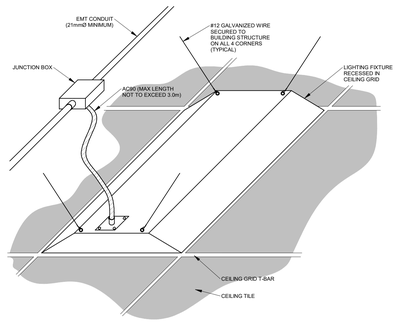
1 E-104 GROUND BAR INSTALLATION DETAIL



2 E-104 GROUND ROD DETAIL



3 E-104 GROUNDING CONNECTION DETAIL



4 E-104 TYPICAL RECESSED TROFFER INSTALLATION

DETAIL NOTES:

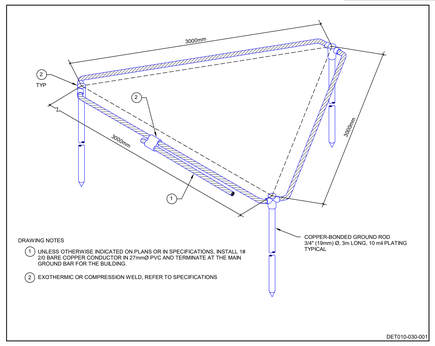
A. CONTRACTOR SHALL FURNISH AND DRIVE THREE (3) COPPER-CLAD STEEL GROUND RODS, MINIMUM 19 mm (3/4") DIAMETER BY 3.0 m (10 FT) IN LENGTH.

B. SPACE GROUND RODS A MINIMUM OF 3.0 m (10 FT) APART IN UNDISTURBED SOIL OUTSIDE THE BUILDING PERIMETER FOUNDATION FOOTING. TOP OF RODS SHALL BE DRIVEN TO A MINIMUM DEPTH OF 600 mm (24") BELOW FINISHED GRADE LEVEL.

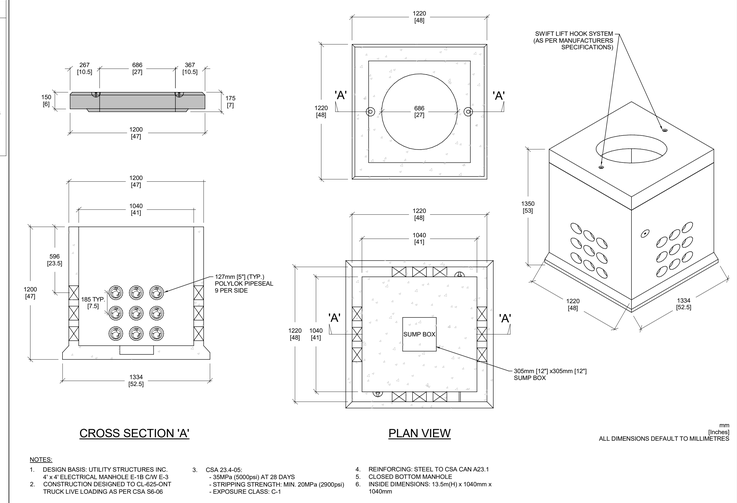
C. THE MAIN GROUNDING CONDUCTOR SHALL BE A CONTINUOUS, UNSPLICED NO. 2/0 AWG BARE STRANDED COPPER WIRE (OR SIZED PER OESC TABLE 17 / RULE 10-114 BASED ON SERVICE ENTRANCE CONDUCTORS). ROUTE THE GROUNDING CONDUCTOR FROM SWBD-1 MAIN GROUNDING BUSBAR TO THE GROUND ROD ELECTRODES ENCLOSED IN METRIC DESIGNATOR 21 (3/4") CONDUIT FOR MECHANICAL PROTECTION WHERE EXPOSED TO DAMAGE.

D. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE PERMANENTLY BONDED USING EXOTHERMIC WELDING (CADWELD) OR OESC-APPROVED HEAVY-DUTY COMPRESSION GROUND CLAMPS RATED FOR DIRECT BURIAL.

E. EASURE GROUNDING SYSTEM RESISTANCE TO EARTH UPON COMPLETION USING THE THREE-POINT FALL-OF-POTENTIAL METHOD. MAXIMUM ALLOWABLE RESISTANCE SHALL NOT EXCEED 25 OHMS (OR 5 OHMS FOR CHOSEN INSTITUTIONAL STANDARDS).



5 E-104 GROUND ROD DETAIL



NOTES:
1. DESIGN BASIS: UTILITY STRUCTURES INC. 4' x 4' ELECTRICAL MANHOLE E-18 C/W E-3
2. CONSTRUCTION DESIGNED TO CL-625-ONT TRUCK LIVE LOADING AS PER CSA S6-06
3. CSA 23.4-05:
   - 35MPa (5000psi) AT 28 DAYS
   - STRIPPING STRENGTH: MIN. 20MPa (2900psi)
   - EXPOSURE CLASS: C-1
4. REINFORCING: STEEL TO CSA CAN A23.1
5. CLOSED BOTTOM MANHOLE
6. INSIDE DIMENSIONS: 13.5m(H) x 1040mm x 1040mm

6 E-104 ELECTRICAL MANHOLE DETAIL

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 303, Ottawa ON K2P 0Y6

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
GENERAL
DETAILS

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

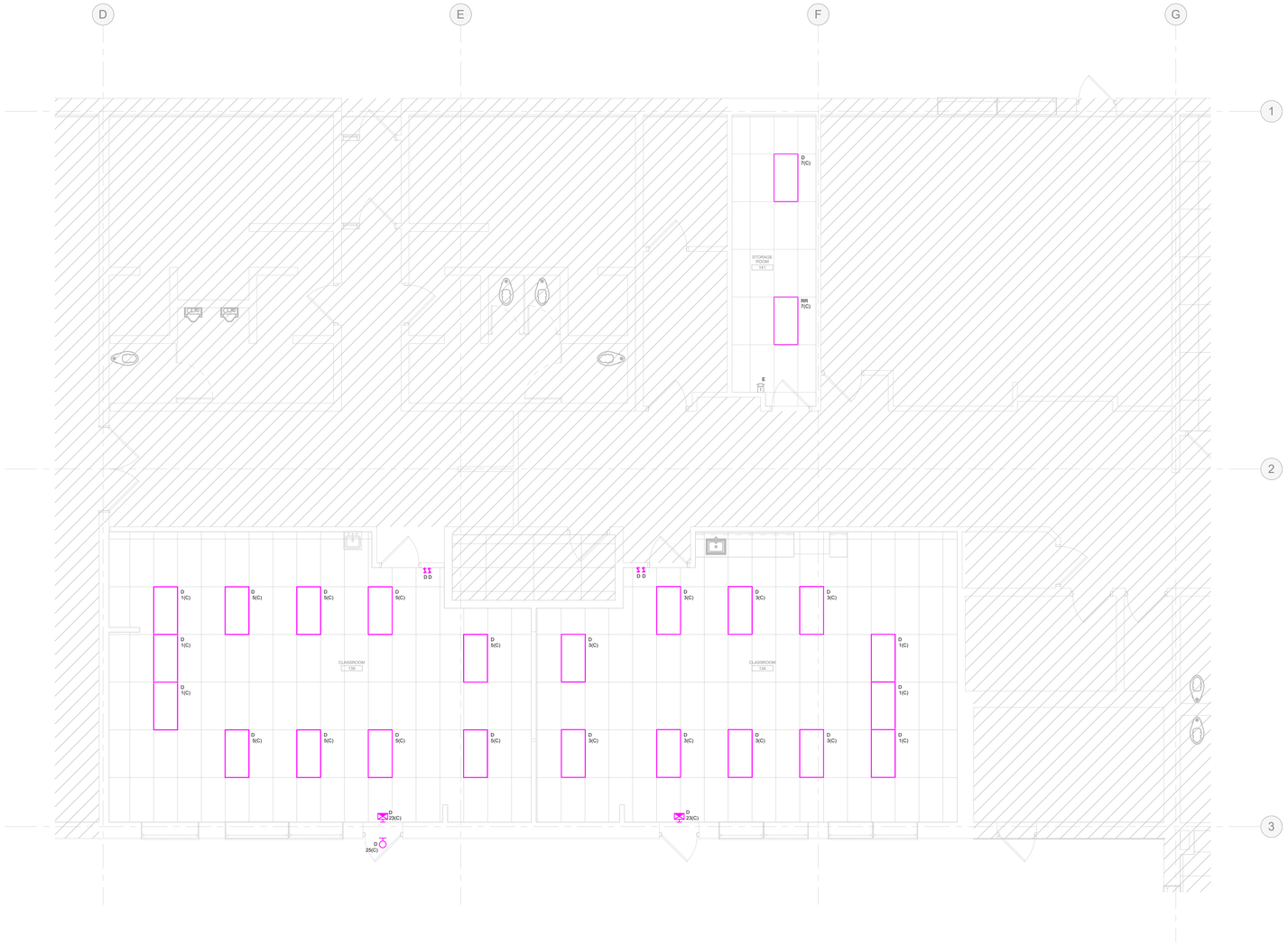
BPA PROJECT No: 25-1159

DRAWING No: E-104

SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_ELrvt

Printed on 2026-05-28 11:25:28 AM



1 E-200 LIGHTING - GROUND FLOOR - DEMOLITION

1 : 50

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIAL REMOVED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF ACCORDING TO CONTRACT SPECIFICATIONS.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS TO REMAIN WHICH PASS THROUGH THE DEMOLITION AND RENOVATION AREAS.

C. FOR ALL DEMOLISHED DEVICES, REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST JUNCTION BOX.

D. CIRCUIT INFORMATION OBTAINED FROM AS-BUILTS AND IS TO BE VERIFIED BY CONTRACTOR. TRACE EXISTING FEEDERS FROM SOURCE TO LOAD AND REPORT BACK TO CONSULTANT. EXISTING LIGHTING CIRCUITS TO BE RE-USED IN RENOVATED AREAS.

E. DEMOLISH EXISTING LIGHTING BRANCH CIRCUITS BACK TO MAIN CEILING BOX. CUT BACK EXISTING CONDUIT AND WIRING AS REQUIRED. CAP AND MAKE SAFE AND PREPARE FOR RE-USE.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

EXISTING

ELEMENT TO MODIFY

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
LIGHTING
GROUND FLOOR
DEMOLITION

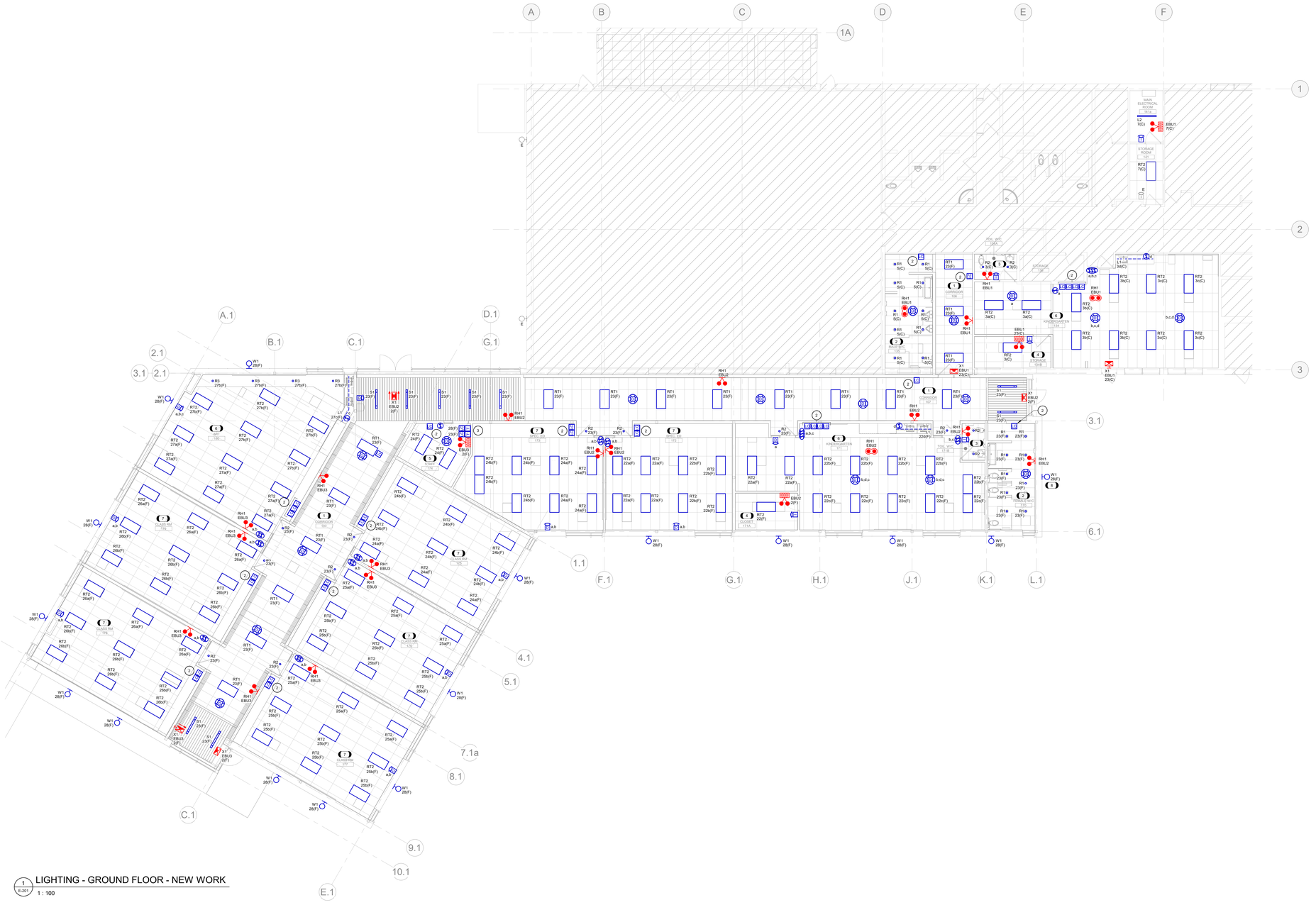
DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

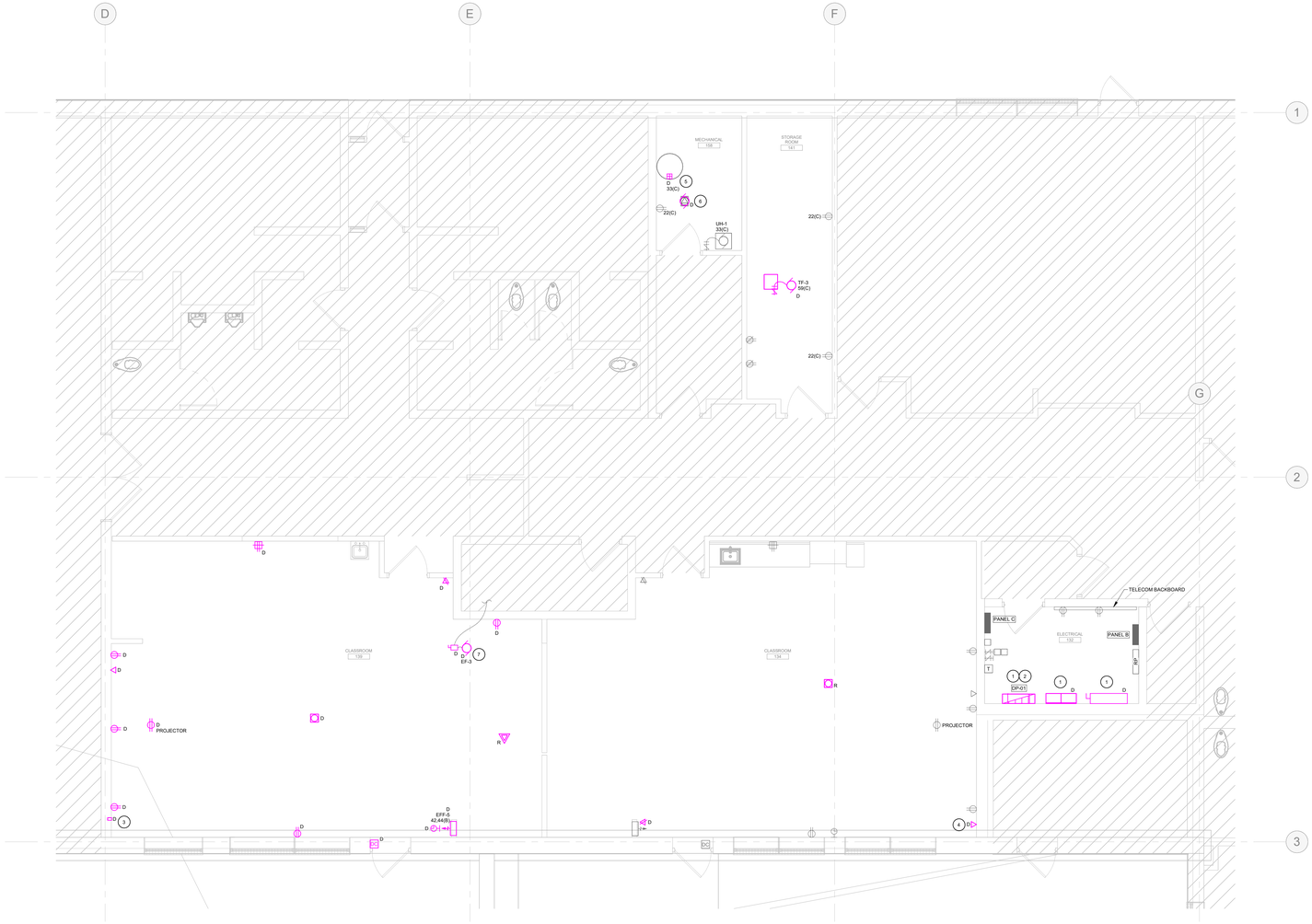
BPA PROJECT No: 25-1159

DRAWING No: E-200

SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt


A
B
C
D
E
F
1A
1
2
3
3.1
6.1
A.1
B.1
C.1
D.1
G.1
2.1
3.1
1.1
F.1
G.1
H.1
J.1
K.1
L.1
4.1
5.1
7.1a
8.1
9.1
10.1
C.1
E.1
MAIN ELECTRICAL ROOM 161A
STORAGE ROOM 161
CORRIDOR 105
KINDERGARTEN 104
STORAGE 106
CLASS RM 176
CLASS RM 177
CLASS RM 178
CLASS RM 179
CLASS RM 180
TOILET 107
TOILET 108
SHOWER 171A
SHOWER 171B
TOILET 171C
TOILET 171D
STORAGE 171E
KINDERGARTEN 171F
STORAGE 171G
STORAGE 171H
STORAGE 171I
STORAGE 171J
STORAGE 171K
STORAGE 171L
STORAGE 171M
STORAGE 171N
STORAGE 171O
STORAGE 171P
STORAGE 171Q
STORAGE 171R
STORAGE 171S
STORAGE 171T
STORAGE 171U
STORAGE 171V
STORAGE 171W
STORAGE 171X
STORAGE 171Y
STORAGE 171Z
STORAGE 171AA
STORAGE 171AB
STORAGE 171AC
STORAGE 171AD
STORAGE 171AE
STORAGE 171AF
STORAGE 171AG
STORAGE 171AH
STORAGE 171AI
STORAGE 171AJ
STORAGE 171AK
STORAGE 171AL
STORAGE 171AM
STORAGE 171AN
STORAGE 171AO
STORAGE 171AP
STORAGE 171AQ
STORAGE 171AR
STORAGE 171AS
STORAGE 171AT
STORAGE 171AU
STORAGE 171AV
STORAGE 171AW
STORAGE 171AX
STORAGE 171AY
STORAGE 171AZ
STORAGE 171BA
STORAGE 171BB
STORAGE 171BC
STORAGE 171BD
STORAGE 171BE
STORAGE 171BF
STORAGE 171BG
STORAGE 171BH
STORAGE 171BI
STORAGE 171BJ
STORAGE 171BK
STORAGE 171BL
STORAGE 171BM
STORAGE 171BN
STORAGE 171BO
STORAGE 171BP
STORAGE 171BQ
STORAGE 171BR
STORAGE 171BS
STORAGE 171BT
STORAGE 171BU
STORAGE 171BV
STORAGE 171BW
STORAGE 171BX
STORAGE 171BY
STORAGE 171BZ
STORAGE 171CA
STORAGE 171CB
STORAGE 171CC
STORAGE 171CD
STORAGE 171CE
STORAGE 171CF
STORAGE 171CG
STORAGE 171CH
STORAGE 171CI
STORAGE 171CJ
STORAGE 171CK
STORAGE 171CL
STORAGE 171CM
STORAGE 171CN
STORAGE 171CO
STORAGE 171CP
STORAGE 171CQ
STORAGE 171CR
STORAGE 171CS
STORAGE 171CT
STORAGE 171CU
STORAGE 171CV
STORAGE 171CW
STORAGE 171CX
STORAGE 171CY
STORAGE 171CZ
STORAGE 171DA
STORAGE 171DB
STORAGE 171DC
STORAGE 171DD
STORAGE 171DE
STORAGE 171DF
STORAGE 171DG
STORAGE 171DH
STORAGE 171DI
STORAGE 171DJ
STORAGE 171DK
STORAGE 171DL
STORAGE 171DM
STORAGE 171DN
STORAGE 171DO
STORAGE 171DP
STORAGE 171DQ
STORAGE 171DR
STORAGE 171DS
STORAGE 171DT
STORAGE 171DU
STORAGE 171DV
STORAGE 171DW
STORAGE 171DX
STORAGE 171DY
STORAGE 171DZ
STORAGE 171EA
STORAGE 171EB
STORAGE 171EC
STORAGE 171ED
STORAGE 171EE
STORAGE 171EF
STORAGE 171EG
STORAGE 171EH
STORAGE 171EI
STORAGE 171EJ
STORAGE 171EK
STORAGE 171EL
STORAGE 171EM
STORAGE 171EN
STORAGE 171EO
STORAGE 171EP
STORAGE 171EQ
STORAGE 171ER
STORAGE 171ES
STORAGE 171ET
STORAGE 171EU
STORAGE 171EV
STORAGE 171EW
STORAGE 171EX
STORAGE 171EY
STORAGE 171EZ
STORAGE 171FA
STORAGE 171FB
STORAGE 171FC
STORAGE 171FD
STORAGE 171FE
STORAGE 171FF
STORAGE 171FG
STORAGE 171FH
STORAGE 171FI
STORAGE 171FJ
STORAGE 171FK
STORAGE 171FL
STORAGE 171FM
STORAGE 171FN
STORAGE 171FO
STORAGE 171FP
STORAGE 171FQ
STORAGE 171FR
STORAGE 171FS
STORAGE 171FT
STORAGE 171FU
STORAGE 171FV
STORAGE 171FW
STORAGE 171FX
STORAGE 171FY
STORAGE 171FZ
STORAGE 171GA
STORAGE 171GB
STORAGE 171GC
STORAGE 171GD
STORAGE 171GE
STORAGE 171GF
STORAGE 171GG
STORAGE 171GH
STORAGE 171GI
STORAGE 171GJ
STORAGE 171GK
STORAGE 171GL
STORAGE 171GM
STORAGE 171GN
STORAGE 171GO
STORAGE 171GP
STORAGE 171GQ
STORAGE 171GR
STORAGE 171GS
STORAGE 171GT
STORAGE 171GU
STORAGE 171GV
STORAGE 171GW
STORAGE 171GX
STORAGE 171GY
STORAGE 171GZ
STORAGE 171HA
STORAGE 171HB
STORAGE 171HC
STORAGE 171HD
STORAGE 171HE
STORAGE 171HF
STORAGE 171HG
STORAGE 171HH
STORAGE 171HI
STORAGE 171HJ
STORAGE 171HK
STORAGE 171HL
STORAGE 171HM
STORAGE 171HN
STORAGE 171HO
STORAGE 171HP
STORAGE 171HQ
STORAGE 171HR
STORAGE 171HS
STORAGE 171HT
STORAGE 171HU
STORAGE 171HV
STORAGE 171HW
STORAGE 171HX
STORAGE 171HY
STORAGE 171HZ
STORAGE 171IA
STORAGE 171IB
STORAGE 171IC
STORAGE 171ID
STORAGE 171IE
STORAGE 171IF
STORAGE 171IG
STORAGE 171IH
STORAGE 171II
STORAGE 171IJ
STORAGE 171IK
STORAGE 171IL
STORAGE 171IM
STORAGE 171IN
STORAGE 171IO
STORAGE 171IP
STORAGE 171IQ
STORAGE 171IR
STORAGE 171IS
STORAGE 171IT
STORAGE 171IU
STORAGE 171IV
STORAGE 171IW
STORAGE 171IX
STORAGE 171IY
STORAGE 171IZ
STORAGE 171JA
STORAGE 171JB
STORAGE 171JC
STORAGE 171JD
STORAGE 171JE
STORAGE 171JF
STORAGE 171JG
STORAGE 171JH
STORAGE 171JI
STORAGE 171JJ
STORAGE 171JK
STORAGE 171JL
STORAGE 171JM
STORAGE 171JN
STORAGE 171JO
STORAGE 171JP
STORAGE 171JQ
STORAGE 171JR
STORAGE 171JS
STORAGE 171JT
STORAGE 171JU
STORAGE 171JV
STORAGE 171JW
STORAGE 171JX
STORAGE 171JY
STORAGE 171JZ
STORAGE 171KA
STORAGE 171KB
STORAGE 171KC
STORAGE 171KD
STORAGE 171KE
STORAGE 171KF
STORAGE 171KG
STORAGE 171KH
STORAGE 171KI
STORAGE 171KJ
STORAGE 171KK
STORAGE 171KL
STORAGE 171KM
STORAGE 171KN
STORAGE 171KO
STORAGE 171KP
STORAGE 171KQ
STORAGE 171KR
STORAGE 171KS
STORAGE 171KT
STORAGE 171KU
STORAGE 171KV
STORAGE 171KW
STORAGE 171KX
STORAGE 171KY
STORAGE 171KZ
STORAGE 171LA
STORAGE 171LB
STORAGE 171LC
STORAGE 171LD
STORAGE 171LE
STORAGE 171LF
STORAGE 171LG
STORAGE 171LH
STORAGE 171LI
STORAGE 171LJ
STORAGE 171LK
STORAGE 171LL
STORAGE 171LM
STORAGE 171LN
STORAGE 171LO
STORAGE 171LP
STORAGE 171LQ
STORAGE 171LR
STORAGE 171LS
STORAGE 171LT
STORAGE 171LU
STORAGE 171LV
STORAGE 171LW
STORAGE 171LX
STORAGE 171LY
STORAGE 171LZ
STORAGE 171MA
STORAGE 171MB
STORAGE 171MC
STORAGE 171MD
STORAGE 171ME
STORAGE 171MF
STORAGE 171MG
STORAGE 171MH
STORAGE 171MI
STORAGE 171MJ
STORAGE 171MK
STORAGE 171ML
STORAGE 171MM
STORAGE 171MN
STORAGE 171MO
STORAGE 171MP
STORAGE 171MQ
STORAGE 171MR
STORAGE 171MS
STORAGE 171MT
STORAGE 171MU
STORAGE 171MV
STORAGE 171MW
STORAGE 171MX
STORAGE 171MY
STORAGE 171MZ
STORAGE 171NA
STORAGE 171NB
STORAGE 171NC
STORAGE 171ND
STORAGE 171NE
STORAGE 171NF
STORAGE 171NG
STORAGE 171NH
STORAGE 171NI
STORAGE 171NJ
STORAGE 171NK
STORAGE 171NL
STORAGE 171NM
STORAGE 171NN
STORAGE 171NO
STORAGE 171NP
STORAGE 171NQ
STORAGE 171NR
STORAGE 171NS
STORAGE 171NT
STORAGE 171NU
STORAGE 171NV
STORAGE 171NW
STORAGE 171NX
STORAGE 171NY
STORAGE 171NZ
STORAGE 171OA
STORAGE 171OB
STORAGE 171OC
STORAGE 171OD
STORAGE 171OE
STORAGE 171OF
STORAGE 171OG
STORAGE 171OH
STORAGE 171OI
STORAGE 171OJ
STORAGE 171OK
STORAGE 171OL
STORAGE 171OM
STORAGE 171ON
STORAGE 171OO
STORAGE 171OP
STORAGE 171OQ
STORAGE 171OR
STORAGE 171OS
STORAGE 171OT
STORAGE 171OU
STORAGE 171OV
STORAGE 171OW
STORAGE 171OX
STORAGE 171OY
STORAGE 171OZ
STORAGE 171PA
STORAGE 171PB
STORAGE 171PC
STORAGE 171PD
STORAGE 171PE
STORAGE 171PF
STORAGE 171PG
STORAGE 171PH
STORAGE 171PI
STORAGE 171PJ
STORAGE 171PK
STORAGE 171PL
STORAGE 171PM
STORAGE 171PN
STORAGE 171PO
STORAGE 171PP
STORAGE 171PQ
STORAGE 171PR
STORAGE 171PS
STORAGE 171PT
STORAGE 171PU
STORAGE 171PV
STORAGE 171PW
STORAGE 171PX
STORAGE 171PY
STORAGE 171PZ
STORAGE 171QA
STORAGE 171QB
STORAGE 171QC
STORAGE 171QD
STORAGE 171QE
STORAGE 171QF
STORAGE 171QG
STORAGE 171QH
STORAGE 171QI
STORAGE 171QJ
STORAGE 171QK
STORAGE 171QL
STORAGE 171QM
STORAGE 171QN
STORAGE 171QO
STORAGE 171QP
STORAGE 171QQ
STORAGE 171QR
STORAGE 171QS
STORAGE 171QT
STORAGE 171QU
STORAGE 171QV
STORAGE 171QW
STORAGE 171QX
STORAGE 171QY
STORAGE 171QZ
STORAGE 171RA
STORAGE 171RB
STORAGE 171RC
STORAGE 171RD
STORAGE 171RE
STORAGE 171RF
STORAGE 171RG
STORAGE 171RH
STORAGE 171RI
STORAGE 171RJ
STORAGE 171RK
STORAGE 171RL
STORAGE 171RM
STORAGE 171RN
STORAGE 171RO
STORAGE 171RP
STORAGE 171RQ
STORAGE 171RR
STORAGE 171RS
STORAGE 171RT
STORAGE 171RU
STORAGE 171RV
STORAGE 171RW
STORAGE 171RX
STORAGE 171RY
STORAGE 171RZ
STORAGE 171SA
STORAGE 171SB
STORAGE 171SC
STORAGE 171SD
STORAGE 171SE
STORAGE 171SF
STORAGE 171SG
STORAGE 171SH
STORAGE 171SI
STORAGE 171SJ
STORAGE 171SK
STORAGE 171SL
STORAGE 171SM
STORAGE 171SN
STORAGE 171SO
STORAGE 171SP
STORAGE 171SQ
STORAGE 171SR
STORAGE 171SS
STORAGE 171ST
STORAGE 171SU
STORAGE 171SV
STORAGE 171SW
STORAGE 171SX
STORAGE 171SY
STORAGE 171SZ
STORAGE 171TA
STORAGE 171TB
STORAGE 171TC
STORAGE 171TD
STORAGE 171TE
STORAGE 171TF
STORAGE 171TG
STORAGE 171TH
STORAGE 171TI
STORAGE 171TJ
STORAGE 171TK
STORAGE 171TL
STORAGE 171TM
STORAGE 171TN
STORAGE 171TO
STORAGE 171TP
STORAGE 171TQ
STORAGE 171TR
STORAGE 171TS
STORAGE 171TT
STORAGE 171TU
STORAGE 171TV
STORAGE 171TW
STORAGE 171TX
STORAGE 171TY
STORAGE 171TZ
STORAGE 171UA
STORAGE 171UB
STORAGE 171UC
STORAGE 171UD
STORAGE 171UE
STORAGE 171UF
STORAGE 171UG
STORAGE 171UH
STORAGE 171UI
STORAGE 171UJ
STORAGE 171UK
STORAGE 171UL
STORAGE 171UM
STORAGE 171UN
STORAGE 171UO
STORAGE 171UP
STORAGE 171UQ
STORAGE 171UR
STORAGE 171US
STORAGE 171UT
STORAGE 171UU
STORAGE 171UV
STORAGE 171UW
STORAGE 171UX
STORAGE 171UY
STORAGE 171UZ
STORAGE 171VA
STORAGE 171VB
STORAGE 171VC
STORAGE 171VD
STORAGE 171VE
STORAGE 171VF
STORAGE 171VG
STORAGE 171VH
STORAGE 171VI
STORAGE 171VJ
STORAGE 171VK
STORAGE 171VL
STORAGE 171VM
STORAGE 171VN
STORAGE 171VO
STORAGE 171VP
STORAGE 171VQ
STORAGE 171VR
STORAGE 171VS
STORAGE 171VT
STORAGE 171VU
STORAGE 171VV
STORAGE 171VW
STORAGE 171VX
STORAGE 171VY
STORAGE 171VZ
STORAGE 171WA
STORAGE 171WB
STORAGE 171WC
STORAGE 171WD
STORAGE 171WE
STORAGE 171WF
STORAGE 171WG
STORAGE 171WH
STORAGE 171WI
STORAGE 171WJ
STORAGE 171WK
STORAGE 171WL
STORAGE 171WM
STORAGE 171WN
STORAGE 171WO
STORAGE 171WP
STORAGE 171WQ
STORAGE 171WR
STORAGE 171WS
STORAGE 171WT
STORAGE 171WU
STORAGE 171WV
STORAGE 171WW
STORAGE 171WX
STORAGE 171WY
STORAGE 171WZ
STORAGE 171XA
STORAGE 171XB
STORAGE 171XC
STORAGE 171XD
STORAGE 171XE
STORAGE 171XF
STORAGE 171XG
STORAGE 171XH
STORAGE 171XI
STORAGE 171XJ
STORAGE 171XK
STORAGE 171XL
STORAGE 171XM
STORAGE 171XN
STORAGE 171XO
STORAGE 171XP
STORAGE 171XQ
STORAGE 171XR
STORAGE 171XS
STORAGE 171XT
STORAGE 171XU
STORAGE 171XV
STORAGE 171XW
STORAGE 171XX
STORAGE 171XY
STORAGE 171XZ
STORAGE 171YA
STORAGE 171YB
STORAGE 171YC
STORAGE 171YD
STORAGE 171YE
STORAGE 171YF
STORAGE 171YG
STORAGE 171YH
STORAGE 171YI
STORAGE 171YJ
STORAGE 171YK
STORAGE 171YL
STORAGE 171YM
STORAGE 171YN
STORAGE 171YO
STORAGE 171YP
STORAGE 171YQ
STORAGE 171YR
STORAGE 171YS
STORAGE 171YT
STORAGE 171YU
STORAGE 171YV
STORAGE 171YW
STORAGE 171YX
STORAGE 171YY
STORAGE 171YZ
STORAGE 171ZA
STORAGE 171ZB
STORAGE 171ZC
STORAGE 171ZD
STORAGE 171ZE
STORAGE 171ZF
STORAGE 171ZG
STORAGE 171ZH
STORAGE 171ZI
STORAGE 171ZJ
STORAGE 171ZK
STORAGE 171ZL
STORAGE 171ZM
STORAGE 171ZN
STORAGE 171ZO
STORAGE 171ZP
STORAGE 171ZQ
STORAGE 171ZR
STORAGE 171ZS
STORAGE 171ZT
STORAGE 171ZU
STORAGE 171ZV
STORAGE 171ZW
STORAGE 171ZX
STORAGE 171ZY
STORAGE 171ZZ
STORAGE 171AAA
STORAGE 171AAB
STORAGE 171AAC
STORAGE 171AAD
STORAGE 171AAE
STORAGE 171AAF
STORAGE 171AAG
STORAGE 171AAH
STORAGE 171AAI
STORAGE 171AAJ
STORAGE 171AAK
STORAGE 171AAL
STORAGE 171AAM
STORAGE 171AAN
STORAGE 171AAO
STORAGE 171AAP
STORAGE 171AAQ
STORAGE 171AAR
STORAGE 171AAS
STORAGE 171AAT
STORAGE 171AAU
STORAGE 171AAV
STORAGE 171AAW
STORAGE 171AAX
STORAGE 171AAY
STORAGE 171AAZ
STORAGE 171ABA
STORAGE 171ABB
STORAGE 171ABC
STORAGE 171ABD
STORAGE 171ABE
STORAGE 171ABF
STORAGE 171ABG
STORAGE 171ABH
STORAGE 171ABI
STORAGE 171ABJ
STORAGE 171ABK
STORAGE 171ABL
STORAGE 171ABM
STORAGE 171ABN
STORAGE 171ABO
STORAGE 171ABP
STORAGE 171ABQ
STORAGE 171ABR
STORAGE 171ABS
STORAGE 171ABT
STORAGE 171ABU
STORAGE 171ABV
STORAGE 171ABW
STORAGE 171ABX
STORAGE 171ABY
STORAGE 171ABZ
STORAGE 171ACA
STORAGE 171ACB
STORAGE 171ACC
STORAGE 171ACD
STORAGE 171ACE
STORAGE 171ACF
STORAGE 171ACG
STORAGE 171ACH
STORAGE 171ACI
STORAGE 171ACJ
STORAGE 171ACK
STORAGE 171ACL
STORAGE 171ACM
STORAGE 171ACN
STORAGE 171ACO
STORAGE 171ACP
STORAGE 171ACQ
STORAGE 171ACR
STORAGE 171ACS
STORAGE 171ACT
STORAGE 171ACU
STORAGE 171ACV
STORAGE 171ACW
STORAGE 171ACX
STORAGE 171ACY
STORAGE 171ACZ
STORAGE 171ADA
STORAGE 171ADB
STORAGE 171ADC
STORAGE 171ADD
STORAGE 171ADE
STORAGE 171ADF
STORAGE 171ADG
STORAGE 171ADH
STORAGE 171ADI
STORAGE 171ADJ
STORAGE 171ADK
STORAGE 171ADL
STORAGE 171ADM
STORAGE 171ADN
STORAGE 171ADO
STORAGE 171ADP
STORAGE 171ADQ
STORAGE 171ADR
STORAGE 171ADS
STORAGE 171ADT
STORAGE 171ADU
STORAGE 171ADV
STORAGE 171ADW
STORAGE 171ADX
STORAGE 171ADY
STORAGE 171ADZ
STORAGE 171AEA
STORAGE 171AEB
STORAGE 171AEC
STORAGE 171AED
STORAGE 171AEE
STORAGE 171AEF
STORAGE 171AEG
STORAGE 171AEH
STORAGE 171AEI
STORAGE 171AEJ
STORAGE 171AEK
STORAGE 171AEL
STORAGE 171AEM
STORAGE 171AEN
STORAGE 171AEO
STORAGE 171AEP
STORAGE 171AEQ
STORAGE 171AER
STORAGE 171AES
STORAGE 171AET
STORAGE 171AEU
STORAGE 171AEV
STORAGE 171AEW
STORAGE 171AEX
STORAGE 171AEY
STORAGE 171AEZ
STORAGE 171AFA
STORAGE 171AFB
STORAGE 171AFC
STORAGE 171AFD
STORAGE 171AFE
STORAGE 171AFF
STORAGE 171AFG
STORAGE 171AFH
STORAGE 171AFI
STORAGE 171AFJ
STORAGE 171AFK
STORAGE 171AFL
STORAGE 171AFM
STORAGE 171AFN
STORAGE 171AFO
STORAGE 171AFP
STORAGE 171AFQ
STORAGE 171AFR
STORAGE 171AFS
STORAGE 171AFT
STORAGE 171AFU
STORAGE 171AFV
STORAGE 171AFW
STORAGE 171AFX
STORAGE 171AFY
STORAGE 171AFZ
STORAGE 171AGA
STORAGE 171AGB
STORAGE 171AGC
STORAGE 171AGD
STORAGE 171AGE
STORAGE 171AGF
STORAGE 171AGG
STORAGE 171AGH
STORAGE 171AGI
STORAGE 171AGJ
STORAGE 171AGK
STORAGE 171AGL
STORAGE 171AGM
STORAGE 171AGN
STORAGE 171AGO
STORAGE 171AGP
STORAGE 171AGQ
STORAGE 171AGR
STORAGE 171AGS
STORAGE 171AGT
STORAGE 171AGU
STORAGE 171AGV
STORAGE 171AGW
STORAGE 171AGX
STORAGE 171AGY
STORAGE 171AGZ
STORAGE 171AHA
STORAGE 171AHB
STORAGE 171AHC
STORAGE 171AHD
STORAGE 171AHE
STORAGE 171AHF
STORAGE 171AHG
STORAGE 171AHH
STORAGE 171AHI
STORAGE 171AHJ
STORAGE 171AHK
STORAGE 171AHL
STORAGE 171AHM
STORAGE 171AHN
STORAGE 171AHO
STORAGE 171AHP
STORAGE 171AHQ
STORAGE 171AHR
STORAGE 171AHS
STORAGE 171AHT
STORAGE 171AHU
STORAGE 171AHV
STORAGE 171AHW
STORAGE 171AHX
STORAGE 171AHY
STORAGE 171AHZ
STORAGE 171AIA
STORAGE 171AIB
STORAGE 171AIC
STORAGE 171AID
STORAGE 171AIE
STORAGE 171AIF
STORAGE 171AIG
STORAGE 171AIH
STORAGE 171AII
STORAGE 171AIJ
STORAGE 171AIK
STORAGE 171AIL
STORAGE 171AIM
STORAGE 171AIN
STORAGE 171AIO
STORAGE 171AIP
STORAGE 171AIQ
STORAGE 171AIR
STORAGE 171AIS
STORAGE 171AIT
STORAGE 171AIU
STORAGE 171AIV
STORAGE 171AIW
STORAGE 171AIX
STORAGE 171AIY
STORAGE 171AIZ
STORAGE 171AJA
STORAGE 171AJB
STORAGE 171AJC
STORAGE 171AJD
STORAGE 171AJE
STORAGE 171AJF
STORAGE 171AJG
STORAGE 171AJH
STORAGE 171AJI
STORAGE 171AJJ
STORAGE 171AJK
STORAGE 171AJL
STORAGE 171AJM
STORAGE 171AJN
STORAGE 171AJO
STORAGE 171AJP
STORAGE 171AJQ
STORAGE 171AJR
STORAGE 171AJS
STORAGE 171AJT
STORAGE 171AJU
STORAGE 171AJV
STORAGE 171AJW
STORAGE 171AJX
STORAGE 171AJY
STORAGE 171AJZ
STORAGE 171AKA
STORAGE 171AKB
STORAGE 171AKC
STORAGE 171AKD
STORAGE 171AKE
STORAGE 171AKF
STORAGE 171AKG
STORAGE 171AKH
STORAGE 171AKI
STORAGE 171AKJ
STORAGE 171AKK
STORAGE 171AKL
STORAGE 171AKM
STORAGE 171AKN
STORAGE 171AKO
STORAGE 171AKP
STORAGE 171AKQ
STORAGE 171AKR
STORAGE 171AKS
STORAGE 171AKT
STORAGE 171AKU
STORAGE 171AKV
STORAGE 171AKW
STORAGE 171AKX
STORAGE 171AKY
STORAGE 171AKZ
STORAGE 171ALA
STORAGE 171ALB
STORAGE 171ALC
STORAGE 171ALD
STORAGE 171ALE
STORAGE 171ALF
STORAGE 171ALG
STORAGE 171ALH
STORAGE 171ALI
STORAGE 171ALJ
STORAGE 171ALK
STORAGE 171ALL
STORAGE 171ALM
STORAGE 171ALN
STORAGE 171ALO
STORAGE 171ALP
STORAGE 171ALQ
STORAGE 171ALR
STORAGE 171ALS
STORAGE 171ALT
STORAGE 171ALU
STORAGE 171ALV
STORAGE 171ALW
STORAGE 171ALX
STORAGE 171ALY
STORAGE 171ALZ
STORAGE 171AMA
STORAGE 171AMB
STORAGE 171AMC
STORAGE 171AMD
STORAGE 171AME
STORAGE 171AMF
STORAGE 171AMG
STORAGE 171AMH
STORAGE 171AMI
STORAGE 171AMJ
STORAGE 171AMK
STORAGE 171AML
STORAGE 171AMM
STORAGE 171AMN
STORAGE 171AMO
STORAGE 171AMP
STORAGE 171AMQ
STORAGE 171AMR
STORAGE 171AMS
STORAGE 171AMT
STORAGE 171AMU
STORAGE 171AMV
STORAGE 171AMW
STORAGE 171AMX
STORAGE 171AMY
STORAGE 171AMZ
STORAGE 171ANA
STORAGE 171ANB
STORAGE 171ANC
STORAGE 171AND
STORAGE 171ANE
STORAGE 171ANF
STORAGE 171ANG
STORAGE 171ANH
STORAGE 171ANI
STORAGE 171ANJ
STORAGE 171ANK
STORAGE 171ANL
STORAGE 171ANM
STORAGE 171ANN
STORAGE 171ANO
STORAGE 171ANP
STORAGE 171ANQ
STORAGE 171ANR
STORAGE 171ANS
STORAGE 171ANT
STORAGE 171ANU
STORAGE 171ANV
STORAGE 171ANW
STORAGE 171ANX
STORAGE 171ANY
STORAGE 171ANZ
STORAGE 171AOA
STORAGE 171AOB
STORAGE 171AOC
STORAGE 171AOD
STORAGE 171AOE
STORAGE 171AOF
STORAGE 171AOG
STORAGE 171AOH
STORAGE 171AOI
STORAGE 171AOJ
STORAGE 171AOK
STORAGE 171AOL
STORAGE 171AOM
STORAGE 171AON
STORAGE 171AOO
STORAGE 171AOP
STORAGE 171AOQ
STORAGE 171AOR
STORAGE 171AOS
STORAGE 171AOT
STORAGE 171AOU
STORAGE 171AOV
STORAGE 171AOW
STORAGE 171AOX
STORAGE 171AOY
STORAGE 171AOZ
STORAGE 171APA
STORAGE 171APB
STORAGE 171APC
STORAGE 171APD
STORAGE 171APE
STORAGE 171APF
STORAGE 171APG
STORAGE 171APH
STORAGE 171API
STORAGE 171APJ
STORAGE 171APK
STORAGE 171APL
STORAGE 171APM
STORAGE 171APN
STORAGE 171APO
STORAGE 171APP
STORAGE 171APQ
STORAGE 171APR
STORAGE 171APS
STORAGE 171APT
STORAGE 171APU
STORAGE 171APV
STORAGE 171APW
STORAGE 171APX
STORAGE 171APY
STORAGE 171APZ
STORAGE 171AQA
STORAGE 171AQB
STORAGE 171AQC
STORAGE 171AQD
STORAGE 171AQE
STORAGE 171AQF
STORAGE 171AQG
STORAGE 171AQH
STORAGE 171AQI
STORAGE 171AQJ
STORAGE 171AQK
STORAGE 171AQL
STORAGE 171AQM
STORAGE 171AQN
STORAGE 171AQO
STORAGE 171AQP
STORAGE 171AQQ
STORAGE 171AQR
STORAGE 171AQS
STORAGE 171AQT
STORAGE 171AQU
STORAGE 171AQV
STORAGE 171AQW
STORAGE 171AQX
STORAGE 171AQY
STORAGE 171AQZ
STORAGE 171ARA
STORAGE 171ARB
STORAGE 171ARC
STORAGE 171ARD
STORAGE 171ARE
STORAGE 171ARF
STORAGE 171ARG
STORAGE 171ARH
STORAGE 171ARI
STORAGE 171ARJ
STORAGE 171ARK
STORAGE 171ARL
STORAGE 171ARM
STORAGE 171ARN
STORAGE 171ARO
STORAGE 171ARP
STORAGE 171ARQ
STORAGE 171ARR
STORAGE 171ARS
STORAGE 171ART
STORAGE 171ARU
STORAGE 171ARV
STORAGE 171ARW
STORAGE 171ARX
STORAGE 171ARY
STORAGE 171ARZ
STORAGE 171ASA
STORAGE 171ASB
STORAGE 171ASC
STORAGE 171ASD
STORAGE 171ASE
STORAGE 171ASF
STORAGE 171ASG
STORAGE 171ASH
STORAGE 171ASI
STORAGE 171ASJ
STORAGE 171ASK
STORAGE 171ASL
STORAGE 171ASM
STORAGE 171ASN
STORAGE 171ASO
STORAGE 171ASP
STORAGE 171ASQ
STORAGE 171ASR
STORAGE 171ASS
STORAGE 171AST
STORAGE 171ASU
STORAGE 171ASV
STORAGE 171ASW
STORAGE 171ASX
STORAGE 171ASY
STORAGE 171ASZ
STORAGE 171ATA
STORAGE 171ATB
STORAGE 171ATC
STORAGE 171ATD
STORAGE 171ATE
STORAGE 171ATF
STORAGE 171ATG
STORAGE 171ATH
STORAGE 171ATI
STORAGE 171ATJ
STORAGE 171ATK
STORAGE 171ATL
STORAGE 171ATM
STORAGE 171ATN
STORAGE 171ATO
STORAGE 171ATP
STORAGE 171ATQ
STORAGE 171ATR
STORAGE 171ATS
STORAGE 171ATT
STORAGE 171ATU
STORAGE 171ATV
STORAGE 171ATW
STORAGE 171ATX
STORAGE 171ATY
STORAGE 171ATZ
STORAGE 171AUA
STORAGE 171AUB
STORAGE 171AUC
STORAGE 171AUD
STORAGE 171AUE
STORAGE 171AUF
STORAGE 171AUG
STORAGE 171AUH
STORAGE 171AUI
STORAGE 171AUJ
STORAGE 171AUK
STORAGE 171AUL
STORAGE 171AUM
STORAGE 171AUN
STORAGE 171AUO
STORAGE 171AUP
STORAGE 171AUQ
STORAGE 171AUR
STORAGE 171AUS
STORAGE 171AUT
STORAGE 171AUU
STORAGE 171AUV
STORAGE 171AUW
STORAGE 171AUX
STORAGE 171AUY
STORAGE 171AUZ
STORAGE 171AVA
STORAGE 171AVB
STORAGE 171AVC
STORAGE 171AVD
STORAGE 171AVE
STORAGE 171AVF
STORAGE 171AVG
STORAGE 171AVH
STORAGE 171AVI
STORAGE 171AVJ
STORAGE 171AVK
STORAGE 171AVL
STORAGE 171AVM
STORAGE 171AVN
STORAGE 171AVO
STORAGE 171AVP
STORAGE 171AVQ
STORAGE 171AVR
STORAGE 171AVS
STORAGE 171AVT
STORAGE 171AVU
STORAGE 171AVV
STORAGE 171AVW
STORAGE 171AVX
STORAGE 171AVY
STORAGE 171AVZ
STORAGE 171AWA
STORAGE 171AWB
STORAGE 171AWC
STORAGE 171AWD
STORAGE 171AWE
STORAGE 171AWF
STORAGE 171AWG
STORAGE 171AWH
STORAGE 171AWI
STORAGE 171AWJ
STORAGE 171AWK
STORAGE 171AWL
STORAGE 171AWM
STORAGE 171AWN
STORAGE 171AWO
STORAGE 171AWP
STORAGE 171AWQ
STORAGE 171AWR
STORAGE 171AWS
STORAGE 171AWT
STORAGE 171AWU
STORAGE 171AWV
STORAGE 171AWW
STORAGE 171AWX
STORAGE 171AWY
STORAGE 171AWZ
STORAGE 171AXA
STORAGE 171AXB
STORAGE 171AXC
STORAGE 171AXD
STORAGE 171AXE
STORAGE 171AXF
STORAGE 171AXG
STORAGE 171AXH
STORAGE 171AXI
STORAGE 171AXJ
STORAGE 171AXK
STORAGE 171AXL
STORAGE 171AXM
STORAGE 171AXN
STORAGE 171AXO
STORAGE 171AXP
STORAGE 171AXQ
STORAGE 171AXR
STORAGE 171AXS
STORAGE 171AXT
STORAGE 171AXU
STORAGE 171AXV
STORAGE 171AXW
STORAGE 171AXX
STORAGE 171AXY
STORAGE 171AXZ
STORAGE 171AYA
STORAGE 171AYB
STORAGE 171AYC
STORAGE 171AYD
STORAGE 171AYE
STORAGE 171AYF
STORAGE 171AYG
STORAGE 171AYH
STORAGE 171AYI
STORAGE 171AYJ
STORAGE 171AYK
STORAGE 171AYL
STORAGE 171AYM
STORAGE 171AYN
STORAGE 171AYO
STORAGE 171AYP
STORAGE 171AYQ
STORAGE 171AYR
STORAGE 171AYS
STORAGE 171AYT
STORAGE 171AYU
STORAGE 171AYV
STORAGE 171AYW
STORAGE 171AYX
STORAGE 171AYY
STORAGE 171AYZ
STORAGE 171AZA
STORAGE 171AZB
STORAGE 171AZC
STORAGE 171AZD
STORAGE 171AZE
STORAGE 171AZF
STORAGE 171AZG
STORAGE 171AZH
STORAGE 171AZI
STORAGE 171AZJ
STORAGE 171AZK
STORAGE 171AZL
STORAGE 171AZM
STORAGE 171AZN
STORAGE 171AZO
STORAGE 171AZP
STORAGE 171AZQ
STORAGE 171AZR
STORAGE 171AZS
STORAGE 171AZT
STORAGE 171AZU
STORAGE 171AZV
STORAGE 171AZW
STORAGE 171AZX
STORAGE 171AZY
STORAGE 171AZZ
STORAGE 171BAA
STORAGE 171BAB
STORAGE 171BAC
STORAGE 171BAD
STORAGE 171BAE
STORAGE 171BAF
STORAGE 171BAG
STORAGE 171BAH
STORAGE 171BAI
STORAGE 171BAJ
STORAGE 171BAK
STORAGE 171BAL
STORAGE 171BAM
STORAGE 171BAN
STORAGE 171BAO
STORAGE 171BAP
STORAGE 171BAQ
STORAGE 171BAR
STORAGE 171BAS
STORAGE 171BAT
STORAGE 171BAU
STORAGE 171BAV
STORAGE 171BAW
STORAGE 171BAX
STORAGE 171BAY
STORAGE 171BAZ
STORAGE 171BBA
STORAGE 171BBB
STORAGE 171BBC
STORAGE 171BBD
STORAGE 171BBE
STORAGE 171BBF
STORAGE 171BBG
STORAGE 171BBH
STORAGE 171BBI
STORAGE 171BBJ
STORAGE 171BBK
STORAGE 171BBL
STORAGE 171BBM
STORAGE 171BBN
STORAGE 171BBO
STORAGE 171BBP
STORAGE 171BBQ
STORAGE 171BBR
STORAGE 171BBS
STORAGE 171BBT
STORAGE 171BBU
STORAGE 171BBV
STORAGE 171BBW
STORAGE 171BBX
STORAGE 171BBY
STORAGE 171BBZ
STORAGE 171BCA
STORAGE 171BCB
STORAGE 171BCC
STORAGE 171BCD
STORAGE 171BCE
STORAGE 171BCF
STORAGE 171BCG
STORAGE 171BCH
STORAGE 171BCI
STORAGE 171BCJ
STORAGE 171BCK
STORAGE 171BCL
STORAGE 171BCM
STORAGE 171BCN
STORAGE 171BCO
STORAGE 171BCP
STORAGE 171BCQ
STORAGE 171BCR
STORAGE 171BCS
STORAGE 171BCT
STORAGE 171BCU
STORAGE 171BCV
STORAGE 171BCW
STORAGE 171BCX
STORAGE 171BCY
STORAGE 171BCZ
STORAGE 171BDA
STORAGE 171BDB
STORAGE 171BDC
STORAGE 171BDD
STORAGE 171BDE
STORAGE 171BDF
STORAGE 171BDG
STORAGE 171BDH
STORAGE 171BDI
STORAGE 171BDJ
STORAGE 171BDK
STORAGE 171BDL
STORAGE 171BDM
STORAGE 171BDN
STORAGE 171BDO
STORAGE 171BDP
STORAGE 171BDQ
STORAGE 171BDR
STORAGE 171BDS
STORAGE 171BDT
STORAGE 171BDU
STORAGE 171BDV
STORAGE 171BDW



1 E-300 POWER & SERVICES - GROUND FLOOR - DEMOLITION

1 : 50



2 E-300 ELECTRICAL ROOM VIEW SOUTH



3 E-300 ELECTRICAL ROOM VIEW EAST



4 E-300 ELECTRICAL ROOM VIEW NORTH



5 E-300 ELECTRICAL ROOM VIEW WEST

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIAL REMOVED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF ACCORDING TO CONTRACT SPECIFICATIONS.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS TO REMAIN WHICH PASS THROUGH THE DEMOLITION AND RENOVATION AREAS.

C. FOR ALL DEMOLISHED DEVICES, REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST JUNCTION BOX.

D. ALL EQUIPMENT AND DEVICES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

DRAWING NOTES

1. EXISTING MAIN DISCONNECT, METER CABINET AND DISTRIBUTION PANEL TO BE DEMOLISHED AND REPLACED WITH NEW. REFER TO SINGLE DIAGRAMS ON E-100 AND NEW WORK ON E-301.
2. DISCONNECT THE POWER FEEDERS FOR THE EXISTING EQUIPMENT. WIRING AND CONDUIT TO BE EXTENDED, SPLICED, AND REROUTED DURING NEW WORK. REFER TO SINGLE LINE DIAGRAMS ON E-100 FOR MORE DETAILS.
3. EXISTING DEVICE BOX AND BLANK COVERPLATE TO BE REMOVED. REMOVE ANY WIRING BACK TO SOURCE.
4. REMOVE COAXIAL CABLING AND PROVIDE BLANK COVERPLATE.
5. EXISTING HOT WATER TANK TO BE DEMOLISHED AND REPLACED WITH NEW. MAINTAIN CIRCUIT FOR EXISTING UNIT HEATER AND NEW RECIRCULATION PUMP.
6. EXISTING RECIRCULATION PUMP TO BE DEMOLISHED. DISCONNECT FROM POWER AS REQUIRED.
7. ROOF MOUNTED EXHAUST FAN AND ASSOCIATED CONTROL WIRING TO LIGHT SWITCH TO BE DEMOLISHED.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

EXISTING

ELEMENT TO MODIFY

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
POWER & SERVICES
GROUND FLOOR
DEMOLITION

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

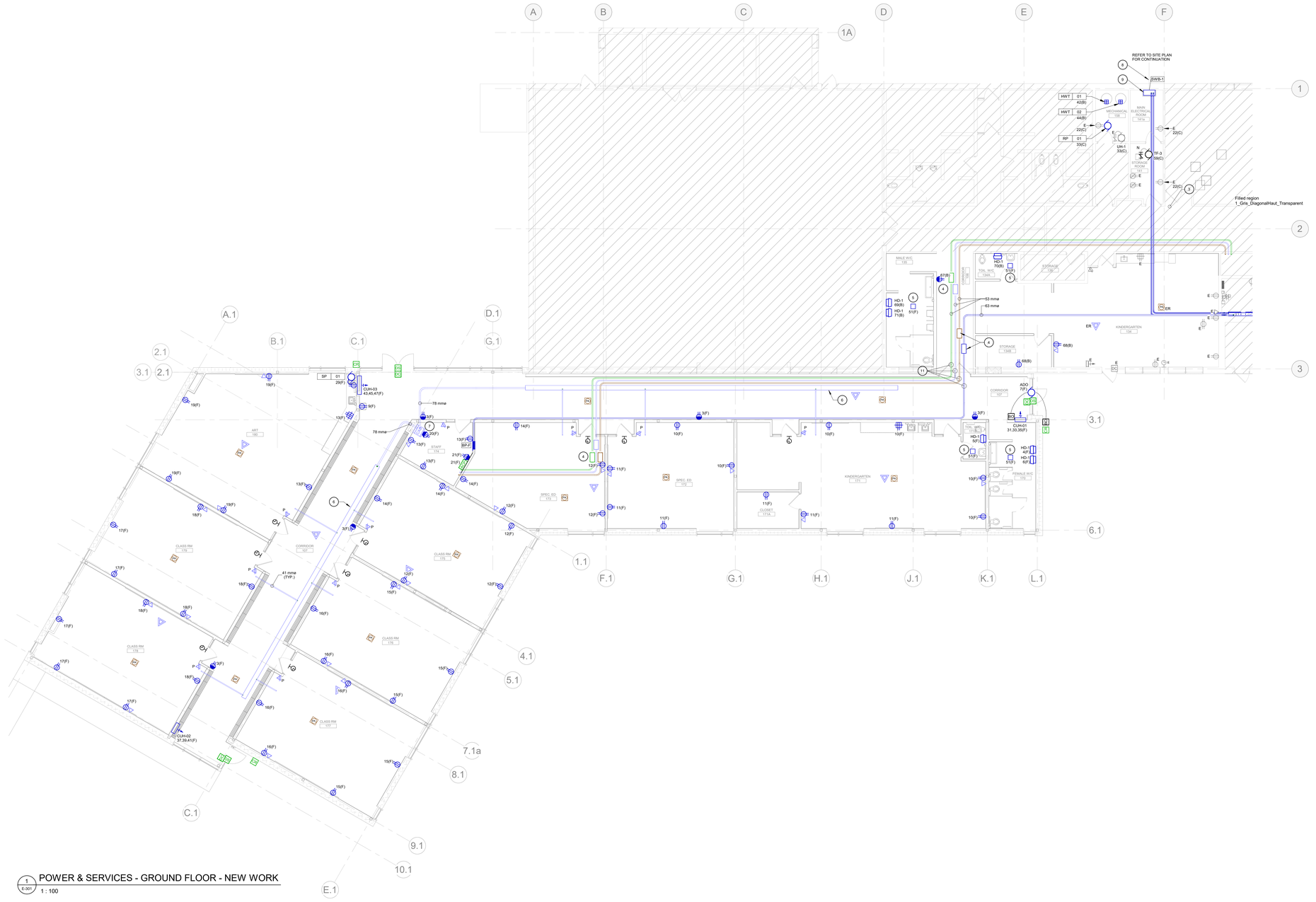
BPA PROJECT No: 25-1159

DRAWING No: E-300

SCALE: NTS

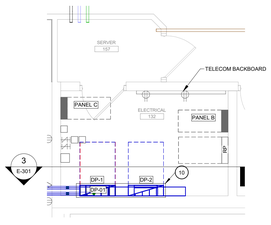
FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

Printed on 2026-05-28 11:25:35 AM



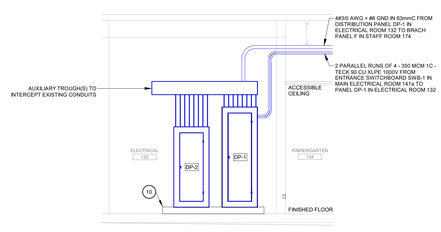
1 E-301 POWER & SERVICES - GROUND FLOOR - NEW WORK

1 : 100



2 E-301 POWER & SERVICES - ELECTRICAL ROOM ENLARGED PLAN - NEW WORK

1 : 50



3 E-301 ELECTRICAL ROOM 132 SECTION

1 : 50

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIALS SHOWN ON THESE DRAWINGS TO BE NEW.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS WHICH PASS THROUGH THE RENOVATION AREAS.

C. THERE IS AN EXISTING TELCOR II INTERCOM SYSTEM. ALL NEW DEVICES (SPEAKERS AND PHONES) SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. TO ENSURE CONTINUITY, INTEGRITY AND FULL INTEROPERABILITY WITH THE FACILITY'S EXISTING TELCOR COMMUNICATION SYSTEM, ALL WORK SHALL BE PERFORMED BY THE DESIGNATED SYSTEM CONTRACTOR CAPELO. AT TIME OF TENDER, OBTAIN PROJECT SPECIFIC INSTALLATION INSTRUCTIONS, SCHEMATICS AND I/O DIAGRAM FROM VENDOR. INCLUDE FOR ALL LABOUR, PROGRAMMING, MATERIALS AND TESTING FOR COMPLETE AND FUNCTIONAL INSTALLATION OF THE PUBLIC ADDRESS SYSTEM.

D. ALL STRUCTURAL DATA/IT CABLING, TELECOMMUNICATIONS NETWORKS, NETWORKING HARDWARE TERMINATIONS, CLOCKS AND COMPLETE SECURITY SYSTEMS SHALL BE SUPPLIED, INSTALLED, CONFIGURED AND COMMISSIONED EXCLUSIVELY BY THE DESIGNATED CONTRACTOR FCI. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH DESIGNATED CONSULTANTS FOR PATHWAYS, BACKBOX PLACEMENTS, EQUIPMENT ROOM SPACES, AND SYSTEM SCHEDULING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DEVICE PROGRAMMING, SERVER INTERFACING, HEAD-END TERMINATIONS, TESTING, AND ULC/COMMERCIAL CERTIFICATIONS SHALL BE CARRIED OUT BY FCI CERTIFIED TECHNICIANS UPON SYSTEM COMPLETION.

DRAWING NOTES

1. RELOCATE POWER FEEDERS FOR EXISTING RTUs TO NEW DISTRIBUTION PANEL DP-02. EXISTING WIRING AND CONDUIT TO BE REROUTED, EXTENDED, AND SPLICED AS NECESSARY TO MATCH NEW DISTRIBUTION. REMOVE AND REINSTALL THE ASSOCIATED MOULDED CASE CIRCUIT BREAKERS INTO DP-02. REFER TO THE SINGLE LINE DIAGRAM FOR MORE DETAILS.
2. NEW 500A, 120/208V DISTRIBUTION PANEL DP-02 TO BE INSTALLED IN ELECTRICAL ROOM TO FEED NEW ELECTRICAL AND MECHANICAL LOADS ASSOCIATED WITH THE WING ADDITION. DP-02 TO BE FED BY TWO RUNS OF CABLE/CONDUIT FROM EXISTING DISTRIBUTION PANEL DP-01. REFER TO THE SINGLE LINE DIAGRAM FOR MORE DETAILS.
3. PROPOSED CONDUIT ROUTING FOR NEW PANEL. DETERMINE EXACT ROUTING ON SITE WITH OTHER SERVICES. REFER TO SINGLE LINE DIAGRAMS ON DRAWING E-100 FOR WIRE AND CONDUIT SIZING.
4. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION ON SITE WITH OTHER SERVICES.
5. NEW ELECTRONIC VALVE TRANSFORMER PROVIDED BY PLUMBING CONTRACTOR, ELECTRICAL TO PROVIDE 120V CONNECTIONS. COORDINATE CONNECTIONS WITH PLUMBER.
6. CABLE TRAY: GALVANIZED WIRE MESH, 305mm WIDE WITH DEPTH OF 50mm.
7. CONTRACTOR SHALL PROVIDE A 12U EIA-310 COMPLIANT WALL-MOUNT IT CABINET MEASURING 25.0"H X 22.5"W X 17.7"D WITH A LOCKABLE TEMPERED GLASS FRONT DOOR. THE ENCLOSURE MUST INCLUDE TWO PRE-INSTALLED ACTIVE COOLING FANS COMPATIBLE WITH THE INTEGRATED TOP VENTILATION HOLES. PROVIDE AND MOUNT ONE HORIZONTAL 120V/15A 1U PDU WITHIN THE CABINET TO SERVICE EQUIPMENT.
8. CORE THROUGH FOUNDATION WALL TO ROUTE CONDUITS BELOW GRADE INTO NEW SWITCHBOARD. REFER TO STRUCTURAL FOR DETAILS.
9. SAW CUT EXISTING SLAB AND EXCAVATE AS REQUIRED TO BRING IN NEW CONDUITS INTO SWITCHBOARD. UPON COMPLETION, REINSTATE EXISTING SLAB AND PROVIDE HOUSE KEEPING PAD. REFER TO STRUCTURAL FOR DETAILS.
10. NEW HOUSE KEEPING PAD. REFER TO STRUCTURAL FOR DETAILS.
11. CORE THROUGH EXISTING WALL TO ROUTE CONDUITS AS INDICATED. SCAN AND REVIEW CORE HOLE LOCATIONS WITH STRUCTURAL PRIOR TO WORK.

COLOURS LEGEND ELECTRICAL-TELECOMMUNICATIONS

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY.

- OTHER
- NORMAL POWER
- STRUCTURED CABLING
- PUBLIC ADDRESS AND INTERCOM
- ACCESS CONTROL AND VIDEO SURVEILLANCE
- EXISTING

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER — A. L. WADDELL — 100194762 — 2026-05-29 — PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
POWER & SERVICES
GROUND FLOOR
NEW WORK

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

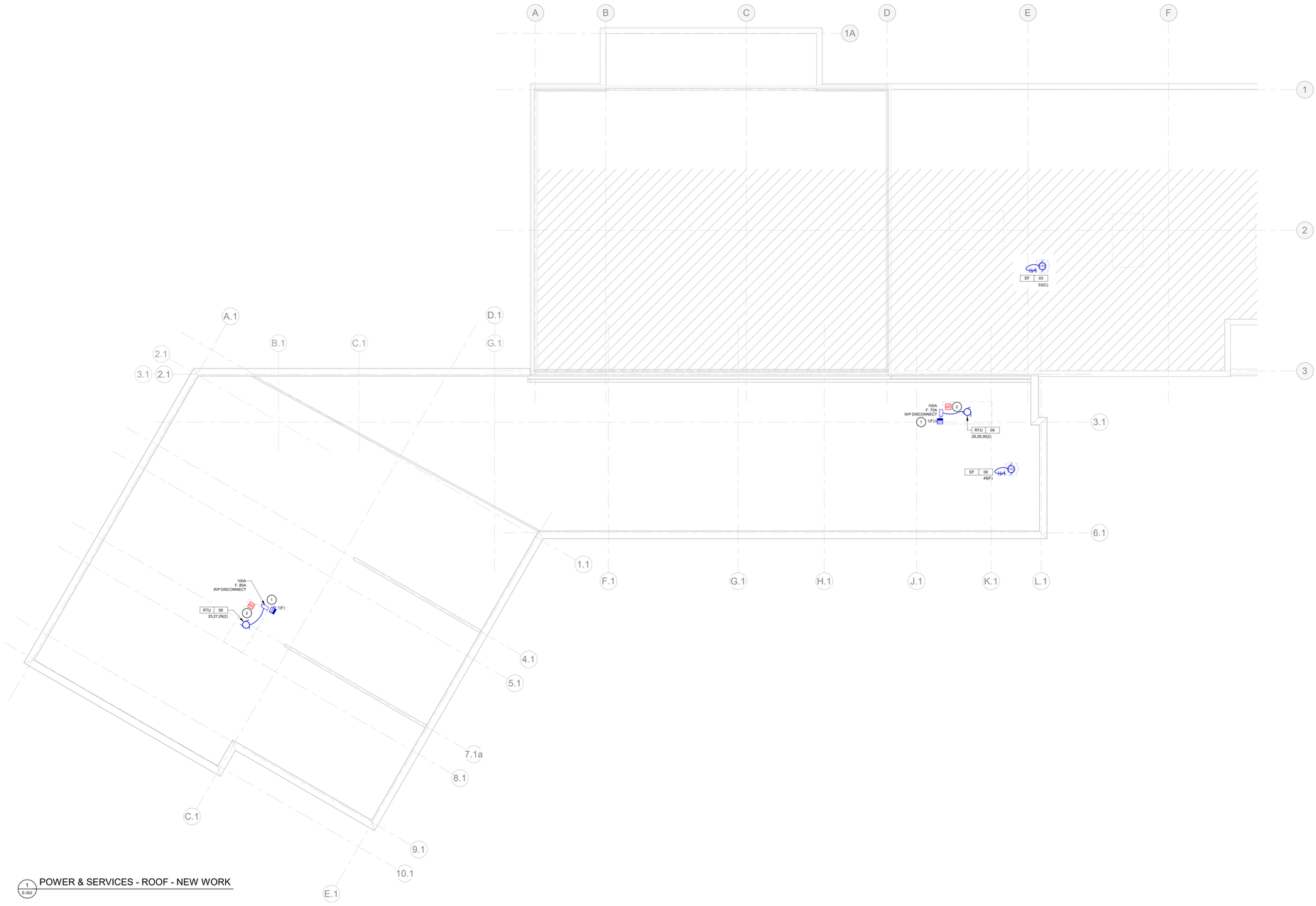
BPA PROJECT No 25-1159

DRAWING No E-301

SCALE NTS

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt

Printed on 2026-05-28 4:25:35 PM



1 E-302 POWER & SERVICES - ROOF - NEW WORK

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIALS SHOWN ON THESE DRAWINGS TO BE NEW.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS WHICH PASS THROUGH THE RENOVATION AREAS.
INSTALLATION OF THE PUBLIC ADDRESS SYSTEM.

DRAWING NOTES

1. PROVIDE WEATHERPROOF FUSED DISCONNECT SWITCH TO SERVE NEW MECHANICAL UNIT LOCATED ON ROOF. PROVIDE A WEATHERPROOF GFCI MAINTENANCE RECEPTACLE. COORDINATE EXACT LOCATION WITH MECHANICAL.
2. PROVIDE FIRE ALARM RELAY FOR SHUTDOWN OF ROOF TOP UNIT.

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
POWER & SERVICES
ROOF
NEW WORK

COLOURS LEGEND
ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- NORMAL POWER
- FIRE ALARM SYSTEM
- EXISTING
- EQUIPMENT SUPPLIED BY OTHERS

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No 25-1159

DRAWING No E-302

SCALE NTS

FILE Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_ELrvt

Printed on 2026-05-28 11:25:40 AM



1 E-400 FIRE ALARM - GROUND FLOOR - DEMOLITION

1 : 50

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIAL REMOVED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF ACCORDING TO CONTRACT SPECIFICATIONS.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS TO REMAIN WHICH PASS THROUGH THE DEMOLITION AND RENOVATION AREAS.

C. FOR ALL DEMOLISHED DEVICES, REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST JUNCTION BOX.

D. MAINTAIN THE EXISTING FIRE ALARM SYSTEM IN THE OCCUPIED AREA OF THE BUILDING.

E. ALL EQUIPMENT AND DEVICES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

COLOURS LEGEND
ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

EXISTING

ELEMENT TO MODIFY

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y6

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
FIRE ALARM
GROUND FLOOR
DEMOLITION

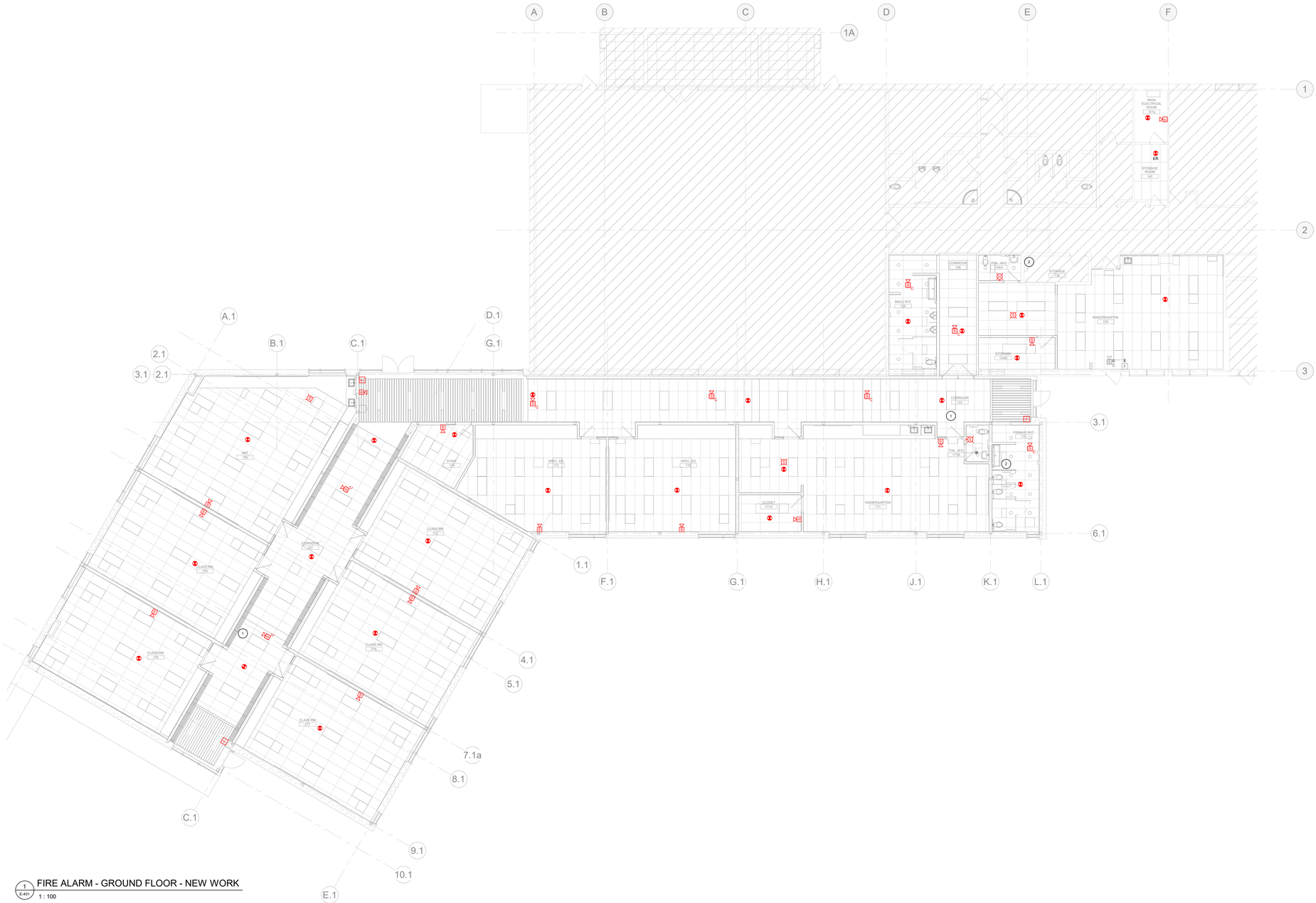
DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No: 25-1159

DRAWING No: E-400

SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt



1 E-401 FIRE ALARM - GROUND FLOOR - NEW WORK

1 : 100

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL MATERIAL SHOWN ON THESE DRAWINGS TO BE NEW.

B. MAINTAIN, RETAIN AND MAKE GOOD OF ALL EXISTING FEEDERS WHICH PASS THROUGH THE RENOVATION AREAS.

C. TEST AND VERIFY FIRE ALARM SYSTEM FOR THIS PORTION OF THE RENOVATION AS PER LATEST CAN/ULC S537 "VERIFICATION OF FIRE ALARM SYSTEMS".

D. ALL PULL STATIONS TO BE COMPLETE WITH TAMPER PROOF COVER, STOPPER II PULL STATION PROTECTOR MODEL ST1-1100 SERIES OR EQUIVALENT TO MATCH BASE BUILDING STANDARD.

E. ALL FIRE ALARM SYSTEM (FAS) WIRING SHALL BE CONTINUOUS AND FREE OF SPLICES EXCEPT AT APPROVED TERMINAL CONNECTION POINTS. CONTRACTOR SHALL PROVIDE NEW FAS WIRING IN CONDUIT AS REQUIRED TO CONNECT ALL NEW DEVICES TO EXISTING SIGNAL AND INITIATING CIRCUITS. ALL WORK SHALL MAINTAIN SYSTEM INTEGRITY AND COMPLY WITH APPLICABLE CODES AND STANDARDS.

F. AUDIBLE AND VISUAL SIGNAL CIRCUITS SHALL BE SYNCHRONIZED WITH EXISTING BUILDING.

G. THERE IS AN EXISTING SIEMENS XLS DESIGO FIRE ALARM SYSTEM. ALL NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. TO ENSURE CONTINUITY, INTEGRITY AND FULL INTEROPERABILITY WITH THE FACILITY'S EXISTING FIRE ALARM SYSTEM, ALL WORK SHALL BE PERFORMED BY AN AUTHORIZED CONTRACTOR. AT TIME OF TENDER, CONTACT SIEMENS TO OBTAIN A QUOTATION FOR THE SUPPLY OF A NEW DIAGRAM FROM VENDOR. INCLUDE FOR ALL LABOR AND MATERIALS REQUIRED FOR THE COMPLETE AND FUNCTIONAL INSTALLATION OF THE FIRE ALARM SYSTEM. PROVIDE NEW CARDS IN EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED.

DRAWING NOTES

1. ROOFTOP UNIT LOCATED ON ROOF IN APPROXIMATE LOCATION SHOWN. REFER TO E-302 FOR LOCATION. PROVIDE ADDRESSABLE RELAY FOR UNIT SHUTDOWN.
2. EXHAUST FAN LOCATED ON ROOF IN APPROXIMATE LOCATION SHOWN. REFER TO E-302 FOR LOCATION. PROVIDE ADDRESSABLE RELAY FOR FAN SHUTDOWN.

COLOURS LEGEND ELECTRICAL

PROJECT DRAWINGS MUST BE PRINTED IN COLOUR FOR CLARITY

- FIRE ALARM SYSTEM
- EXISTING

BPA

SEALS

LICENCED PROFESSIONAL ENGINEER
A. L. WADDELL
100194762
2026-05-29
PROVINCE OF ONTARIO

PROJECT NORTH

CLIENT

Écoles catholiques Centre-Est

ARCHITECT

VEER ARCHITECTURE INC.
tel. 613-797-0047 email. info@veerarch.com
340 Gladstone Ave., Suite 301, Ottawa ON K2P 0Y8

THESE DOCUMENTS MUST NOT BE USED FOR CONSTRUCTION

No	DATE	REVISION	BY
0	2026-05-29	ISSUED FOR PERMIT AND TENDER	A.W.

PROJECT

ÉCOLE ÉLÉMENTAIRE
CATHOLIQUE J.-L. COUROUX
10 FINDLAY AVE
CARLETON PLACE
2025JLC117

DRAWING TITLE

ELECTRICAL
FIRE ALARM
GROUND FLOOR
NEW WORK

DRAWING	DESIGN	VERIFICATION
N. LEMIEUX	J. CICHOCKI	A. WADDELL

BPA PROJECT No: 25-1159

DRAWING No: E-401

SCALE: NTS

FILE: Autodesk Docs://25-1159_Catholique J.-L.-Couroux/25-1159_E_EL.rvt