

KOUCHIBOUGUAC NATIONAL PARK

VISITOR INFORMATION CENTRE



CIVIL:

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ISSUED FOR TENDER
JANUARY 31, 2018



SITE SERVICES PLAN
SCALE : 1:150

GENERAL NOTES:

- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS.
- EXISTING UNDERGROUND OR SURFACE UTILITIES MAY NOT BE AS SHOWN. CONTRACTOR RESPONSIBLE FOR LOCATION AND PROTECTION OF UTILITIES PRIOR TO START OF CONSTRUCTION.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL DEVELOP AND SUBMIT FOR PARKS CANADA REPRESENTATIVE APPROVAL, A VEHICULAR AND PEDESTRIAN MOVEMENT PLAN FOR THE WORK SITE. ANY AMENDMENTS TO THE APPROVED PLAN WILL REQUIRE PRIOR APPROVAL BY THE PARKS CANADA REPRESENTATIVE. PROTECT UNDISTURBED AREAS OF SITE FROM VEHICULAR TRAFFIC.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE REINSTATED TO PRE-CONSTRUCTION CONDITION OR BETTER. COORDINATE WITH PARKS CANADA REPRESENTATIVE.
- CONTRACTOR SHALL PRESERVE AND STOCKPILE ANY TOPSOIL FOR LATER RE-USE FOR RESTORATION OF TRENCHING.

EROSION AND SEDIMENT CONTROL NOTES:

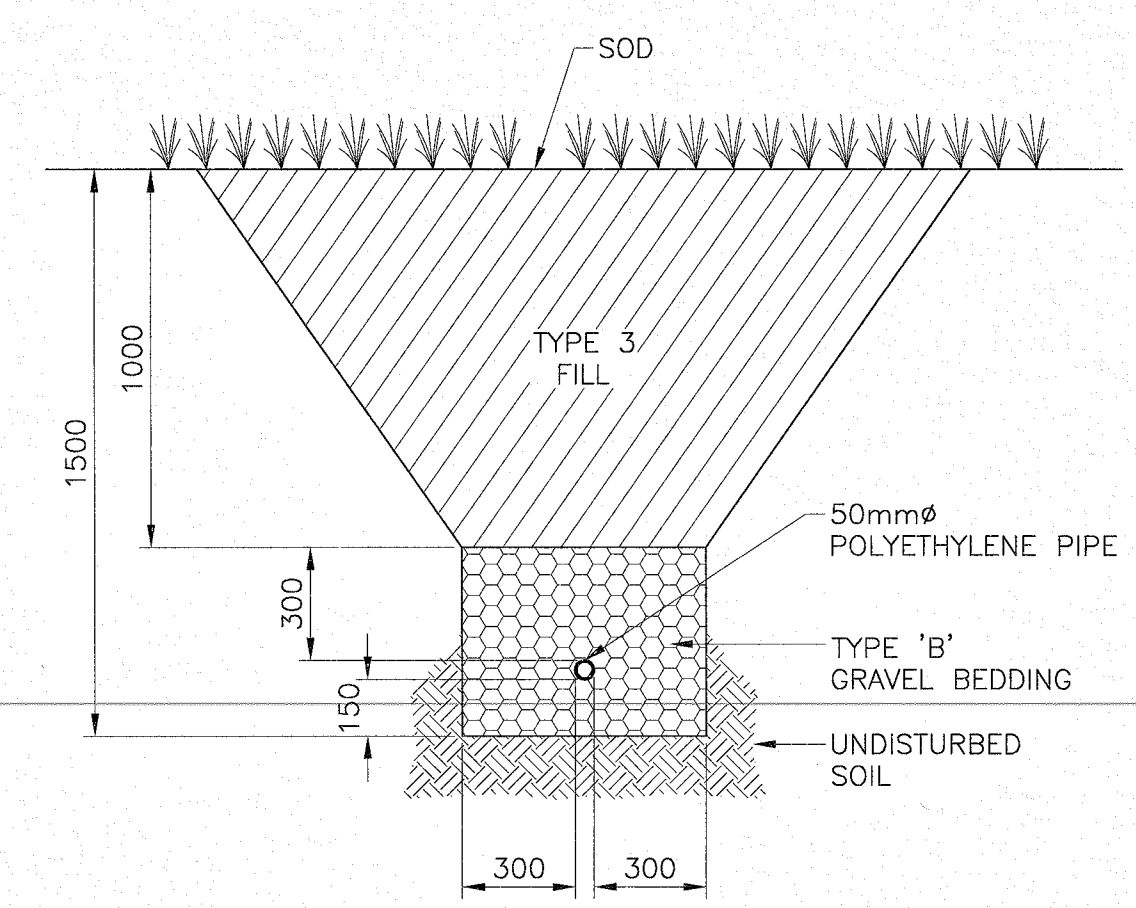
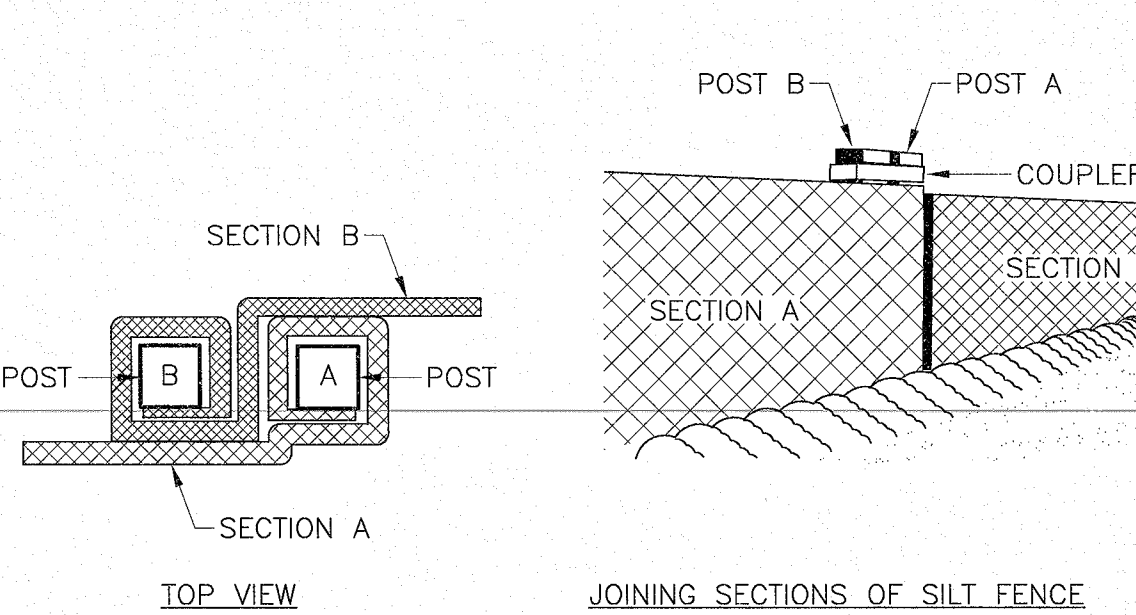
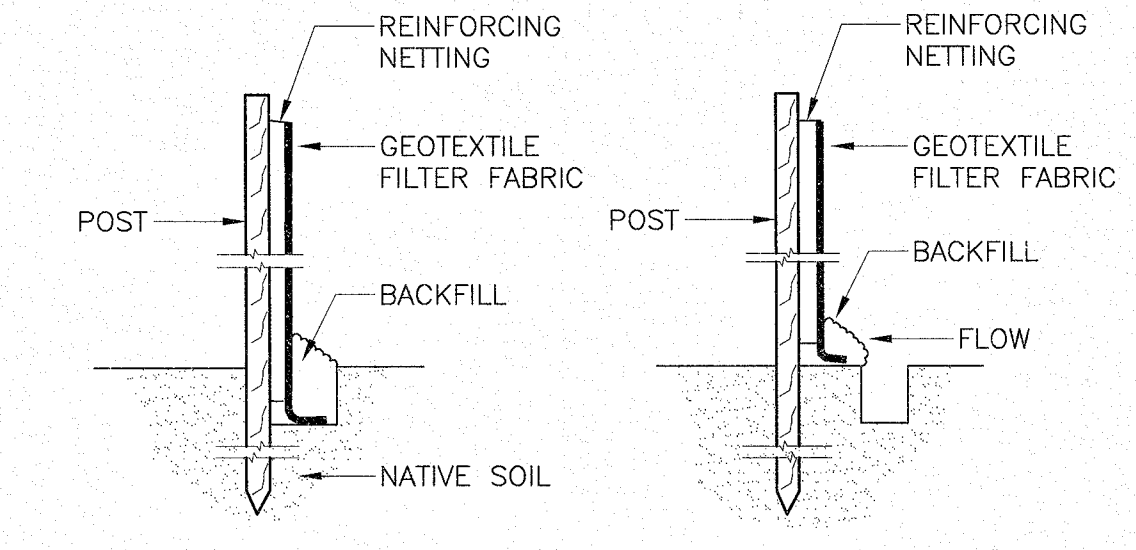
- THE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL (ESC) SHOWN ON THIS PLAN INDICATE RECOMMENDED MINIMUM MEASURES TO BE EMPLOYED. THE WORK METHOD AND EQUIPMENT ENGAGED TO COMPLETE THE WORK WILL REQUIRE ADDITIONAL MEASURES TO BE TAKEN. CONTRACTOR IS RESPONSIBLE TO DETERMINE WHAT ADDITIONAL MEASURES ARE REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND TO EXECUTE AND MAINTAIN THOSE MEASURES AS REQUIRED.
- FOR A GENERAL SUMMARY OF APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES THE CONTRACTOR IS REFERRED TO THE NEW BRUNSWICK DEPARTMENT OF TRANSPORTATION ENVIRONMENTAL MANAGEMENT MANUAL.
- THE CONTRACTOR SHALL MAINTAIN THE SITE AND ALL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PROJECT COMPLETION, OR AS DIRECTED OTHERWISE BY THE PARKS CANADA REPRESENTATIVE.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM WORKS AND COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
- CONTRACTOR TO INSPECT SEDIMENT CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS ON A MINIMUM WEEKLY BASIS AND BEFORE AND AFTER EACH RAINFALL EVENT.
- CONTRACTOR TO INSTALL ADDITIONAL SILT FENCES ETC. AS REQUIRED BY SITE CONDITIONS TO PREVENT SEDIMENT FROM ENTERING WATER COURSES.
- CONTRACTOR TO MAINTAIN A STOCKPILE OF APPROPRIATE EROSION AND SEDIMENTATION PROTECTION MATERIALS ON SITE AT ALL TIMES, INCLUDING:
 - SILT FENCE
 - BALES OF HAY OR STRAW
 - GRAVEL
- CONTRACTOR TO STABILIZE ALL DISTURBED AREAS BY HYDRO-SEEDING AND/OR MULCHING ON AN ONGOING BASIS. FOR SLOPES STEEPER THAN 3H:1V, SURFACE ROUGHENING TECHNIQUES OR GRADIENT TERRACES SHALL BE UTILIZED.
- CONTRACTOR TO REMOVE SILT ACCUMULATIONS AT SILT FENCES AND OTHER PROTECTION DEVICES BY CAREFUL HAND EXCAVATION. CONTRACTOR SHALL DISPOSE OF ACCUMULATED SILT BY REMOVING FROM SITE OR PLACING AND BURYING IT IN FILL AREAS.
- CONTRACTOR SHALL NOT PUMP OR DRAIN WATER CONTAINING SUSPENDED MATERIALS INTO WATERWAYS, DRAINAGE DITCHES OR STORM SEWERS.
- CONTRACTOR TO COVER SOIL STOCKPILES WITH PLASTIC SHEETS OR APPROVED EQUAL WHEN DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL, PRIOR TO CARRYING OUT WORK, CHECK THE LONG RANGE WEATHER FORECAST TO ENSURE THAT THERE IS ADEQUATE TIME BEFORE FORECAST OF HEAVY RAIN STORMS TO STABILIZE WORK.
- CONTRACTOR SHALL NOT PERMIT DISCOLORED WATER TO ENTER WATER COURSES. CONTRACTOR TO INSPECT SEDIMENT AND EROSION CONTROL MEASURES ON A REGULAR BASIS AND MAINTAIN AS NECESSARY.
- CONTRACTOR SHALL HAVE PERSONNEL ON CALL TO PROVIDE EMERGENCY REPAIRS TO SEDIMENT AND EROSION CONTROL MEASURES AT ALL TIMES.
- CONTRACTOR TO PROVIDE DUST CONTROL DURING PERIODS OF DRY WEATHER AS REQUESTED BY THE PARKS CANADA REPRESENTATIVE. MEASURES INCLUDE:
 - A) KEEP DUSTY AREAS MOIST WITH THE AID OF A WATER TRUCK OR HOSE.
 - B) STABILIZE DUSTY AREAS MOIST WITH THE AID OF A WATER TRUCK OR HOSE.
 - C) COVER STOCKPILED MATERIAL, WHICH MAY BECOME DUSTY WHEN DRY.
 - D) HYDRO-SEED ALL LANDSCAPED AREAS AS SOON AS POSSIBLE.
- CONTRACTOR TO ENSURE VEHICLES AND EQUIPMENT ARE FREE OF EXTERNAL GREASE, OIL, MUD OR FUEL LEAKS.
- CONTRACTOR SHALL HAVE AN EMERGENCY SPILL RESPONSE KIT FOR HAZARDOUS MATERIALS, FUELS AND HYDROCARBONS AVAILABLE AT THE SITE AND PROVISIONS FOR SPILL PREVENTION SHOULD BE ENSURED.
- CONTRACTOR SHALL REPORT ANY SPILLS TO PARKS CANADA REPRESENTATIVE IMMEDIATELY AFTER THEY OCCUR.
- SEDIMENT CONTROL FENCE SHALL BE IN ACCORDANCE WITH NEW BRUNSWICK DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE STANDARD SPECIFICATIONS ITEM 602 SEDIMENT CONTROL FENCE AND ITEM 699 STANDARD DRAWING 602-1 SEDIMENT CONTROL FENCE.

SITE LEGEND

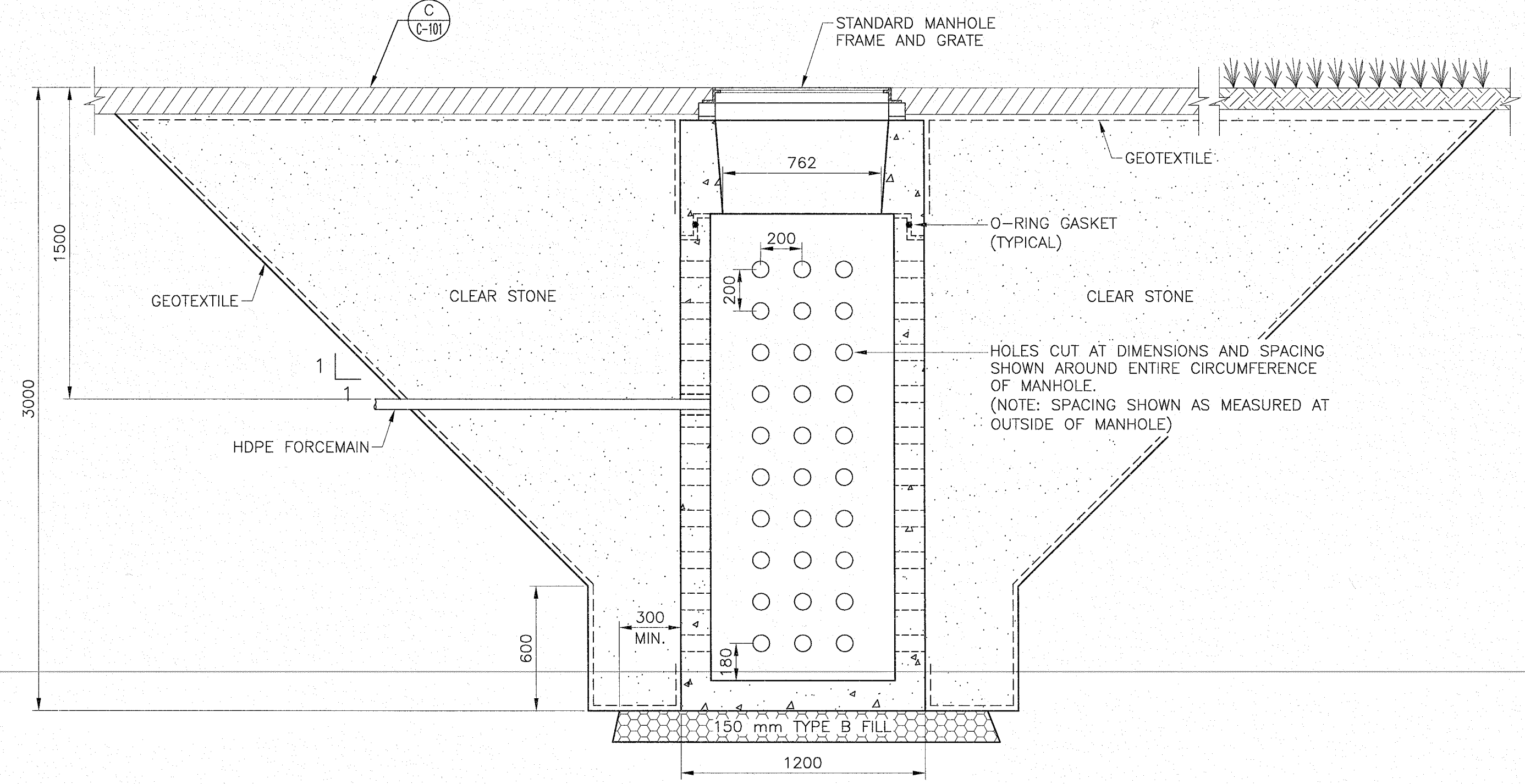
— SF —	SILT FENCE
---	NEW HDPE FORCEMAIN

SILT FENCE INSTALLATION:

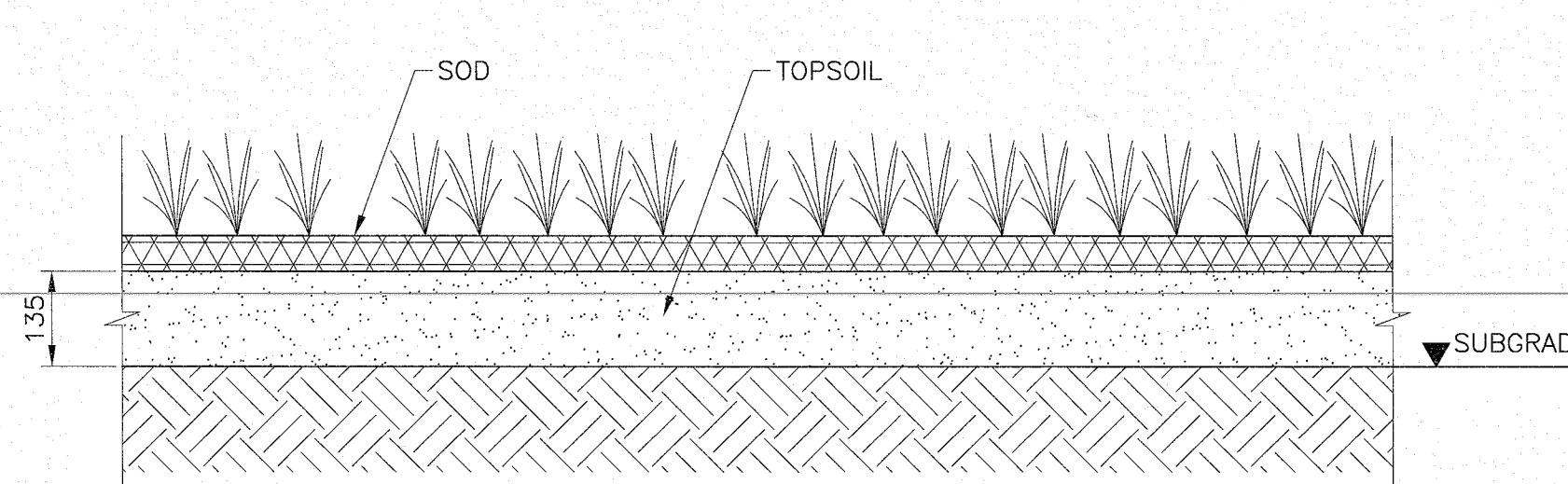
- EXCAVATE A 150mm x 150mm TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
- UNROLL GEOTEXTILE FILTER FABRIC ONE SECTION AT A TIME AND POSITION POSTS AGAINST THE DOWNSTREAM WALL OF THE TRENCH. REINFORCEMENT NETTING MUST BE ON THE DOWNSTREAM SIDE OF FLOW DIRECTION.
- DRIVE POST INTO GROUND UNTIL THE NETTING IS APPROXIMATELY 50mm FROM THE TRENCH BOTTOM. LAY THE TOE-IN FLAP OF THE FABRIC IN THE BOTTOM OF THE TRENCH, BACKFILL THE TRENCH, AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON GROUND AND PILING AND TAMPING SOIL OVER THE FLAP AT THE BASE OF THE STRUCTURE.
- JOINT SILT FENCE SECTIONS AS SHOWN ABOVE.



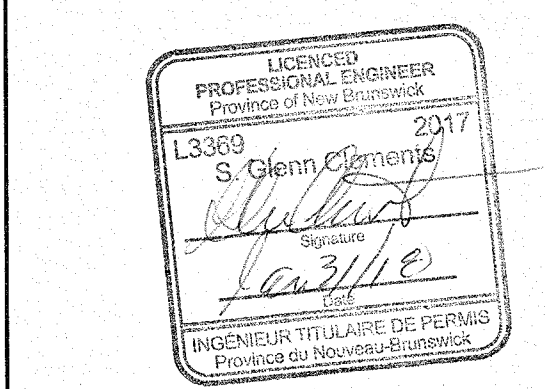
TRENCH SECTION A
SCALE : 1:20



INFILTRATION MANHOLE SECTION B
SCALE : 1:20



SOD SECTION C
SCALE : 1:10



0	ISSUED FOR TENDER	Jan 31 2018
revisions		date

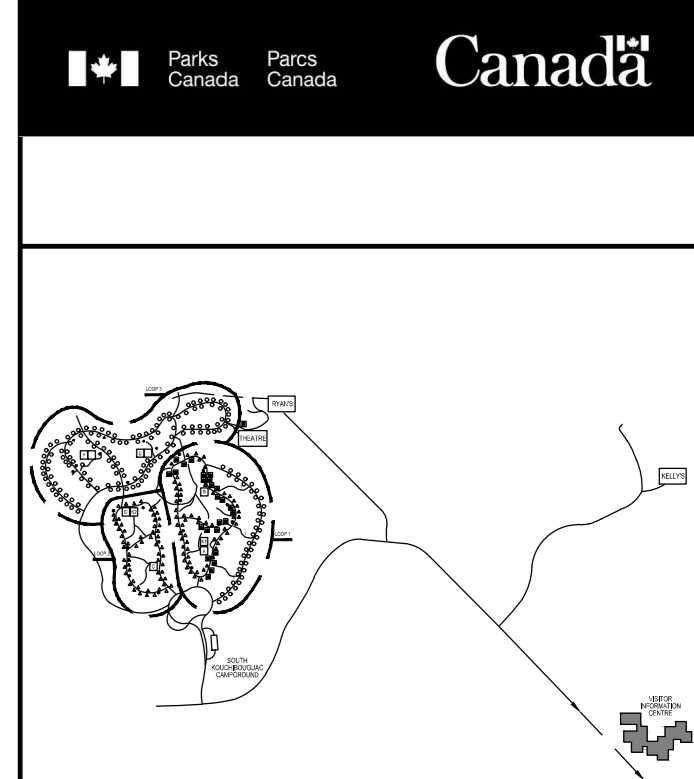
**Facility Rehabilitation
Kouchibouguac National Park
Kouchibouguac,
New Brunswick**

**VISITOR INFORMATION CENTRE
CIVIL SITE PLAN**

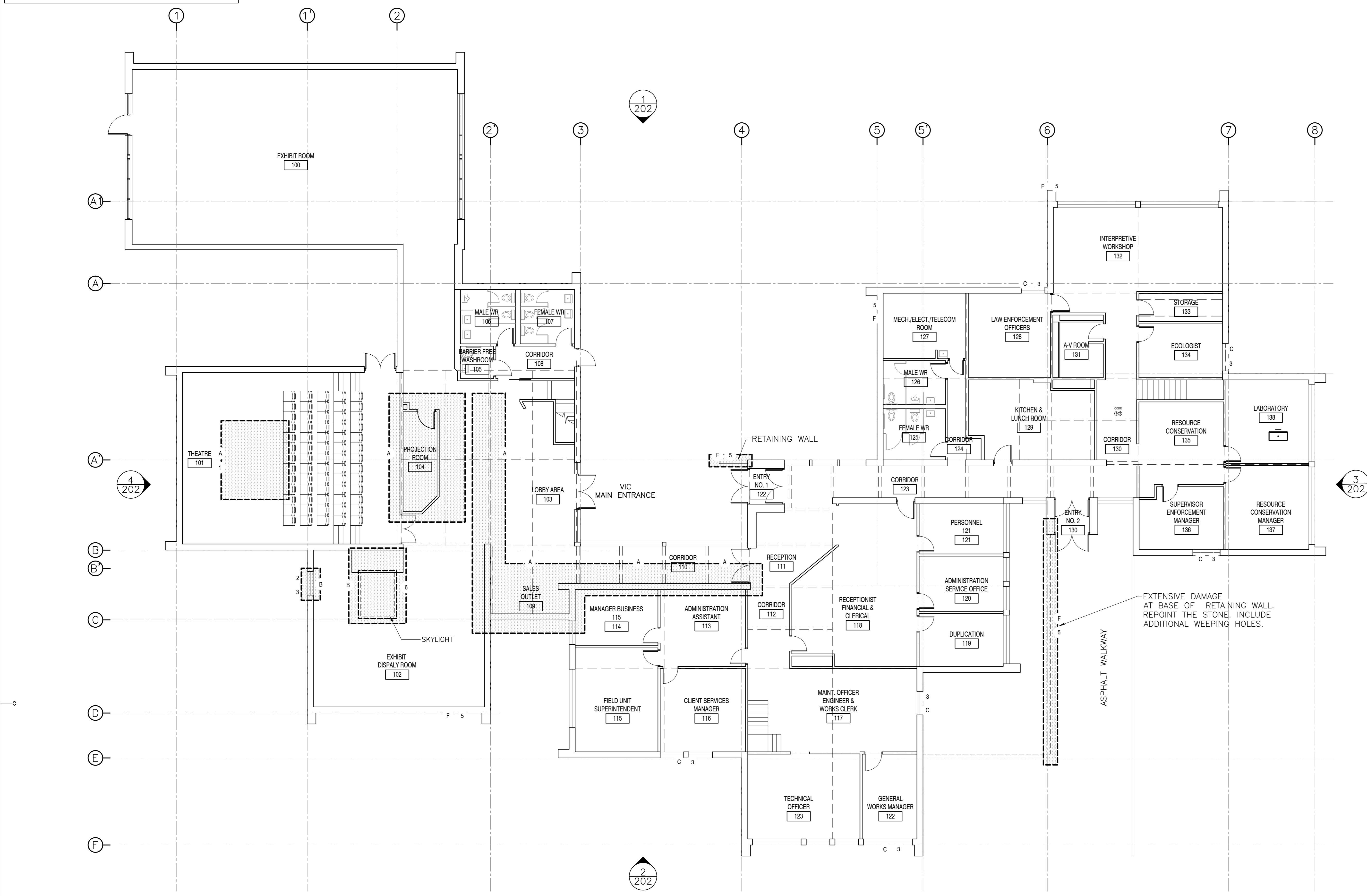
Designed	T.W.	checked
Date	JANUARY 31, 2018	
Drawn	S.L.	designed
Date	JANUARY 31, 2018	
Approved	G.C.	approved
Date	JANUARY 31, 2018	
Tender		submitted
Project Manager	Administrateur de projets IPSOC	Project number
		no. du projet
Drawing no.		no. du dessin

INTERIOR PARTITION LAYOUT MAY NOT REFLECT CURRENT LAYOUT - DRAWINGS BASED ON PROVIDED DOCUMENTATION ISSUED FOR PAINTING SCHEDULE IN 2000

DAMAGE SCHEDULE / LEGEND		
SYMBOL	DESCRIPTION	POTENTIAL SOURCE
A	INTERIOR WATER DAMAGE ON WOOD SURFACES AT UNDERSIDE OF CEILING	JUNCTION AT METAL ROOF AND EXTERIOR WALLS HAVE DAMAGED FLASHING / COUNTERFLASHING
B	INTERIOR WATER DAMAGE AT WINDOW/SKYLIGHT LOCATIONS AT WALLS AND CEILING	EXTERIOR WINDOW FLASHING AND CAULKING DAMAGED - NO EXIT POINT FOR WATER TRAPPED BEHIND STONE CLADDING
C	STONE CLADDING MORTAR CRACKING & DAMAGE AT VARIOUS LOCATIONS	MOISTURE TRAPPED BEHIND STONE CLADDING AS A RESULT OF OBSTRUCTED OR LACKING WEEPING HOLES AT VARIOUS LOCATIONS (NEAR WINDOWS)
D	ROOF DRAINS AND GRAVEL SLOPES	ROOF DRAIN DAMAGE FROM YEARS OF ICE AND SNOW. DRIFTING GRAVEL BED RESULTING IN EXPOSED DRAIN SEALS
E	FLASHING DAMAGE AT INTERFACE OF EXTERIOR WALLS AND METAL ROOF	VISIBLE FLASHING/CAULKING DAMAGE ON ROOF FROM EXPOSURE TO WEATHER AND PREVIOUS REPAIRS
F	STONE WALL AT RETAINING WALLS CRACKING & VARIOUS DAMAGE AT BASE OF WALL	MOISTURE TRAPPED BEHIND STONE CLADDING AS A RESULT OF OBSTRUCTED OR LACKING WEEPING HOLES AT BASE OF WALL



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1 101 LEVEL 1: WATER DAMAGE LOCATIONS
 SCALE: 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

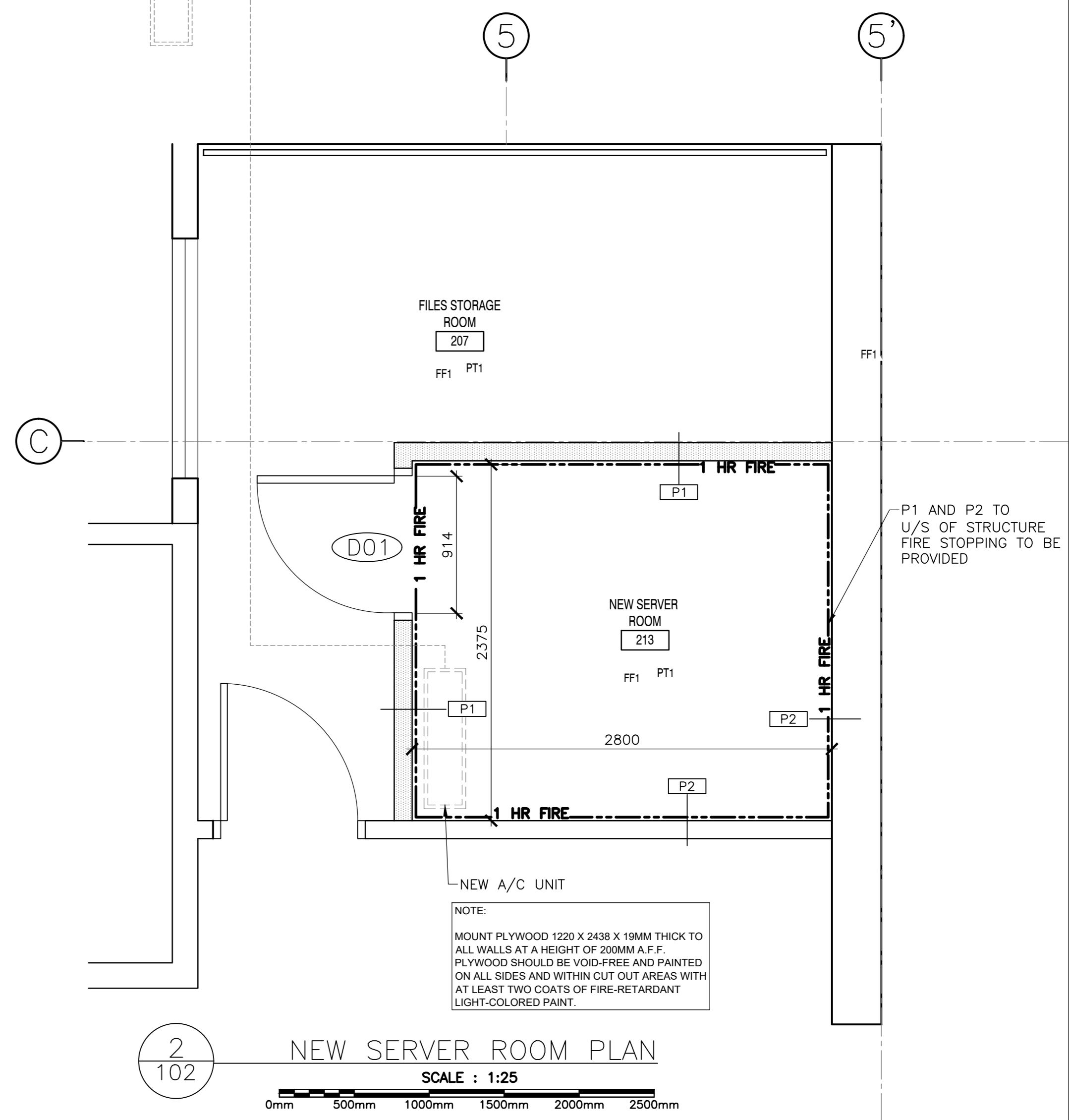
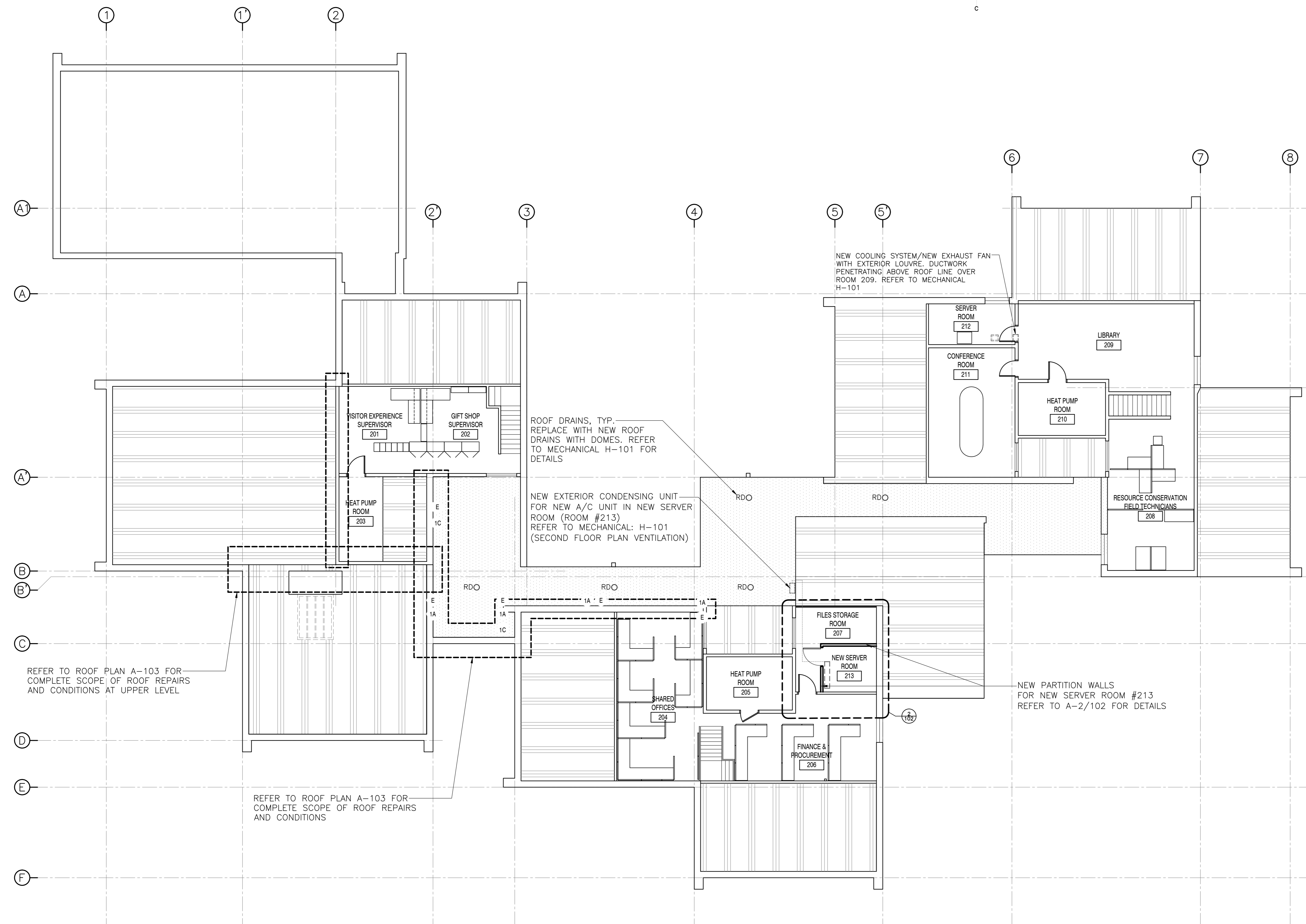
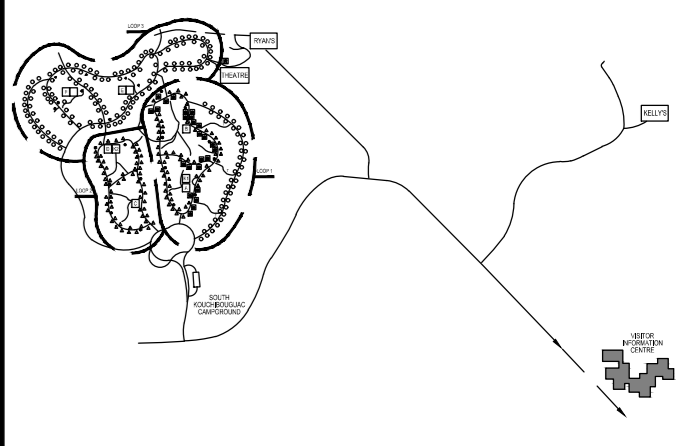
LEGEND:
 --- LINE OF BEAM OVERHEAD
 [] LOCATION OF DAMAGE

revisions	date
5	ISSUED FOR TENDER 01/31
4	ISSUED FOR BS8 12/21
3	ISSUED FOR BS4 11/15
2	ISSUED FOR BS3 09/25
1	ISSUED FOR BS2 08/09

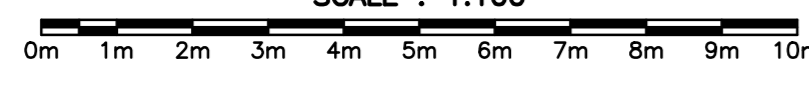
project FACILITY REHABILITATION
 KOUCHIBOUGUAC
 NATIONAL PARK
 KOUCHIBOUGUAC
 NEW BRUNSWICK

drawing VISITOR INFORMATION
 CENTRE
 FLOOR PLAN

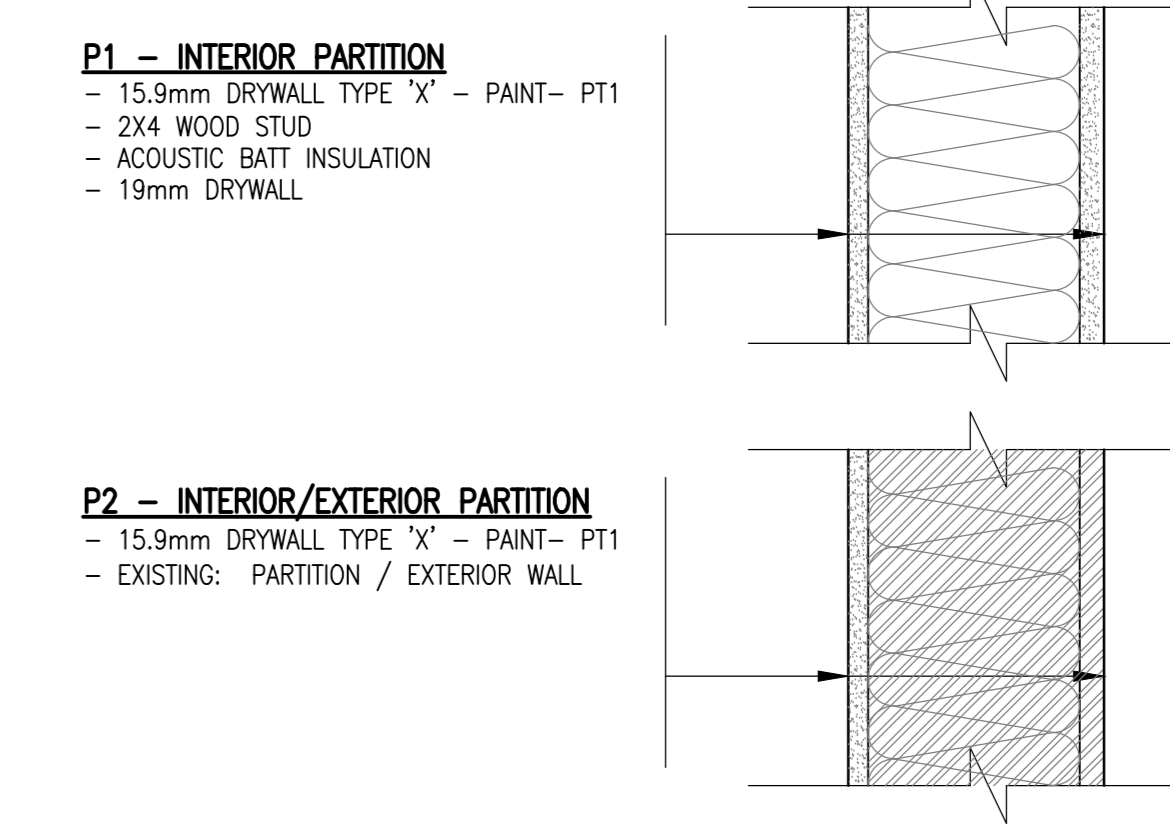
designed Ekistics Planning & Design
 drawn
 approved
 Tender Submission
 PWSC Project Manager Administrateur de projets TPSC
 project number 1848-954
 drawing no. A-101



1
 102 LEVEL 2: CONDITIONS & SCOPE OF REPAIRS
 SCALE : 1:100



LEGEND:
 ——— LINE OF ROOF RAFTERS BELOW
 - - - - -



FLOOR FINISH SCHEDULE	
SYMBOL	DESCRIPTION
FF1	EXISTING

PAINT FINISH SCHEDULE	
SYMBOL	DESCRIPTION
PT1	BENJAMIN MOORE, DESIGNER CLASSICS, CC-10 (ULTRA WHITE)

DOOR SCHEDULE				
SYMBOL	DOOR WIDTH	DOOR HEIGHT	DESCRIPTION	HARDWARE
D1	915mm	2134mm	HOLLOW METAL DOOR / SOUND INSULATED PRESSED STEEL FRAME / 1 HOUR FIRE RATED	

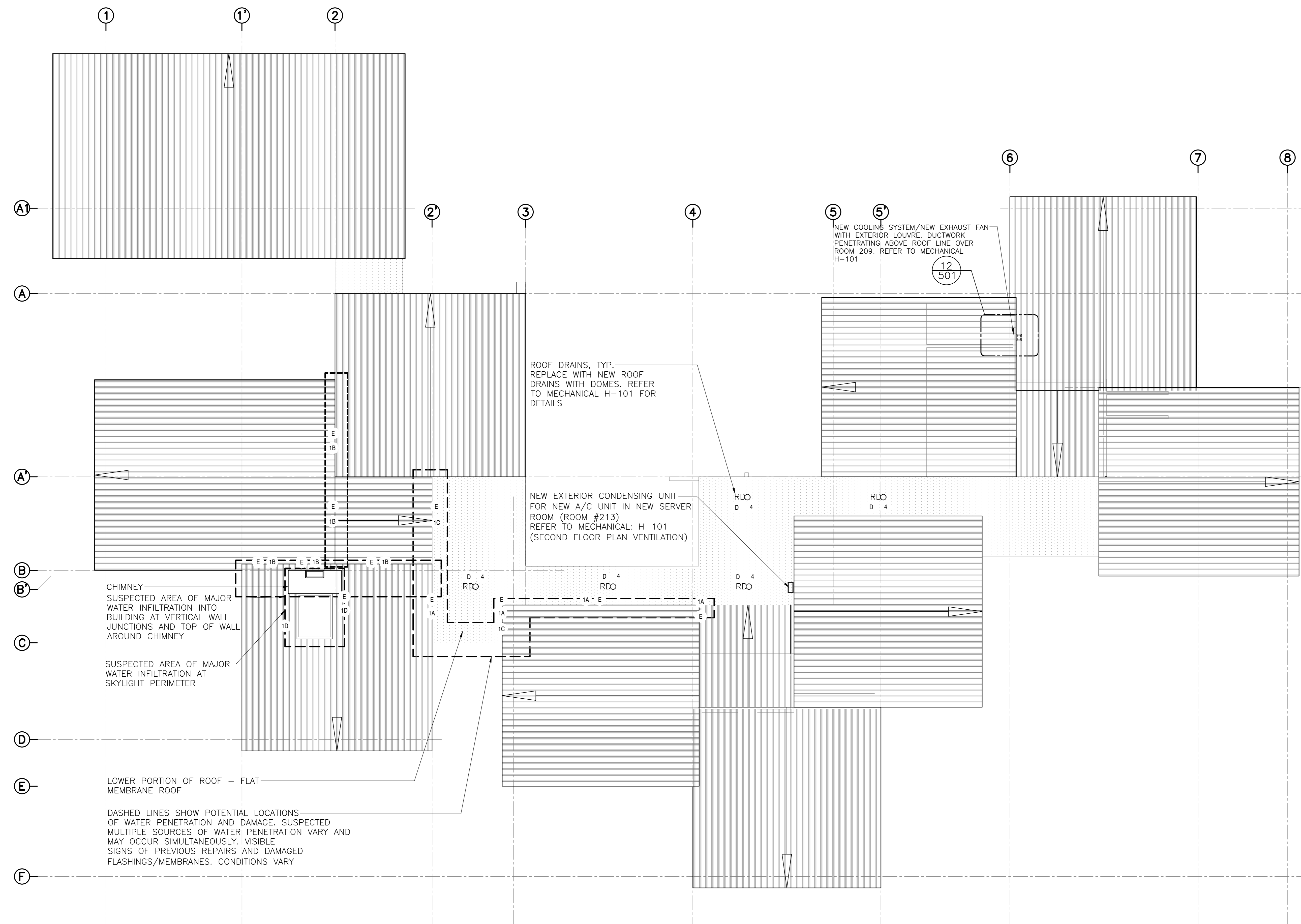
NOTE: SEE FLOOR PLAN FOR DOOR SWING

revisions	date
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4	12/21
3	11/15
2	09/25
1	08/09

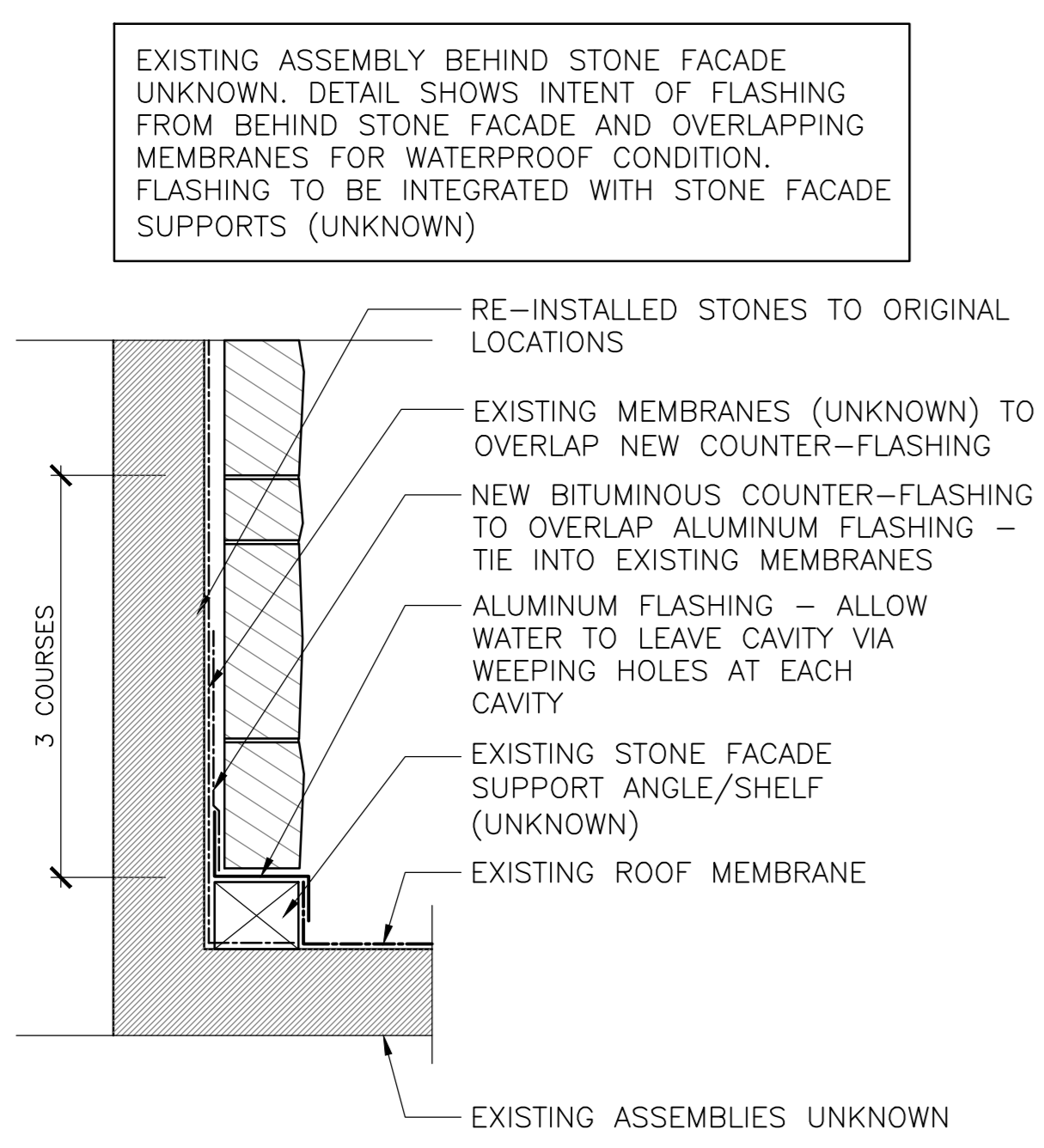
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 NATIONAL PARK
 KOUCHIBOUGUAC
 NEW BRUNSWICK

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 FLOOR PLAN

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 PWGSC Project Manager Administrateur de projets TPSC
 project number
 no. du projet
 drawing no. no. du dessin



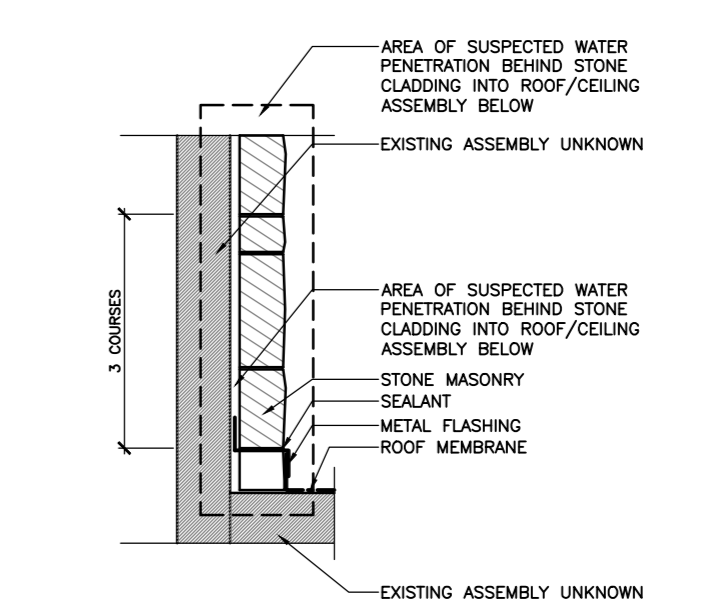
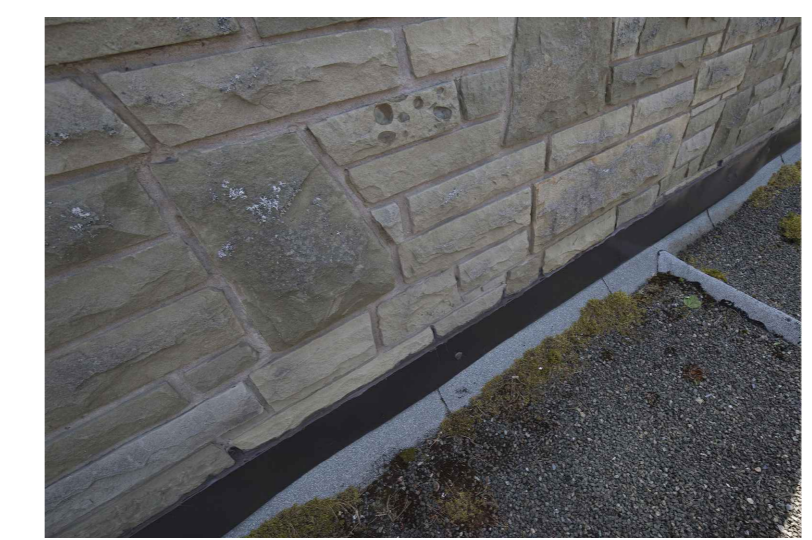
1 ROOF PLAN — CONDITIONS & SCOPE OF REPAIRS
SCALE: 1:100



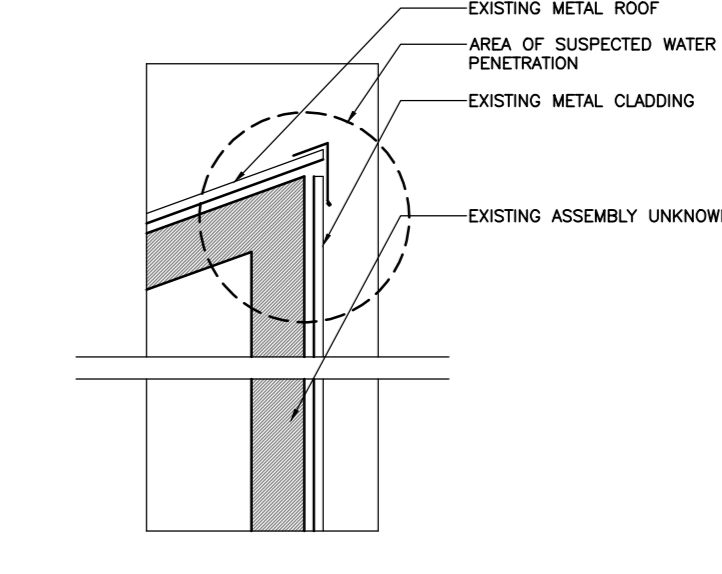
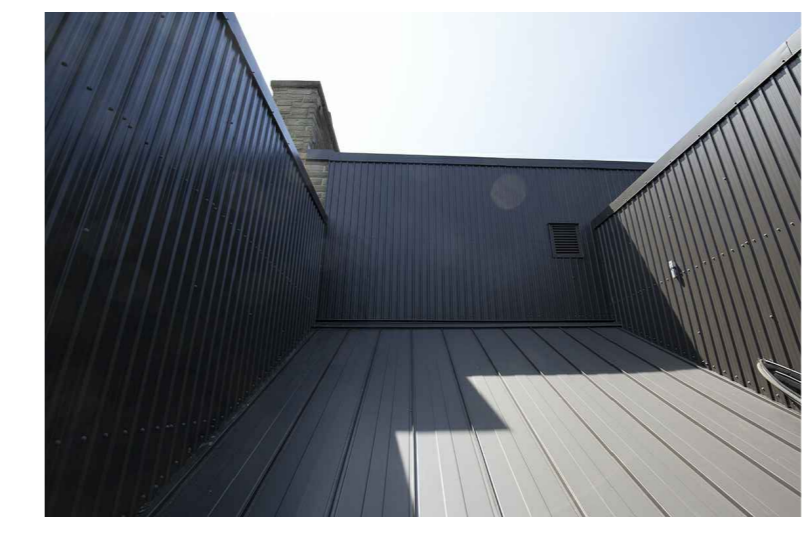
2 SECTION DETAIL — FLASHING
SCALE: 1:10

DAMAGE SCHEDULE / LEGEND		
SYMBOL	DESCRIPTION	POTENTIAL SOURCE
A	INTERIOR WATER DAMAGE ON WOOD SURFACES AT UNDERSIDE OF CEILING	JUNCTION AT METAL ROOF AND EXTERIOR WALLS HAVE DAMAGED FLASHING / COUNTERFLASHING
B	INTERIOR WATER DAMAGE AT WINDOW/SKYLIGHT LOCATIONS AT WALLS AND CEILING	EXTERIOR WINDOW FLASHING AND CAULKING DAMAGED - NO EXIT POINT FOR WATER TRAPPED BEHIND STONE CLADDING
C	STONE CLADDING MORTAR CRACKING & DAMAGE AT VARIOUS LOCATIONS	MOISTURE TRAPPED BEHIND STONE CLADDING AS A RESULT OF OBSTRUCTED OR LACKING WEEPING HOLES AT VARIOUS LOCATIONS (NEAR WINDOWS)
D	ROOF DRAINS AND GRAVEL SLOPES	ROOF DRAIN DAMAGE FROM YEARS OF ICE AND SNOW. DRIFTING GRAVEL BED RESULTING IN EXPOSED DRAIN SEALS
E	FLASHING DAMAGE AT INTERFACE OF EXTERIOR WALLS AND METAL ROOF	VISIBLE FLASHING/CAULKING DAMAGE ON ROOF FROM EXPOSURE TO WEATHER AND PREVIOUS REPAIRS
F	STONE WALL AT RETAINING WALLS CRACKING & VARIOUS DAMAGE AT BASE OF WALL	MOISTURE TRAPPED BEHIND STONE CLADDING AS A RESULT OF OBSTRUCTED OR LACKING WEEPING HOLES AT BASE OF WALL

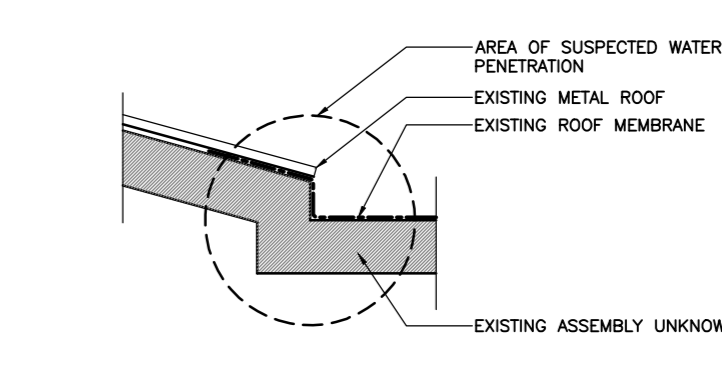
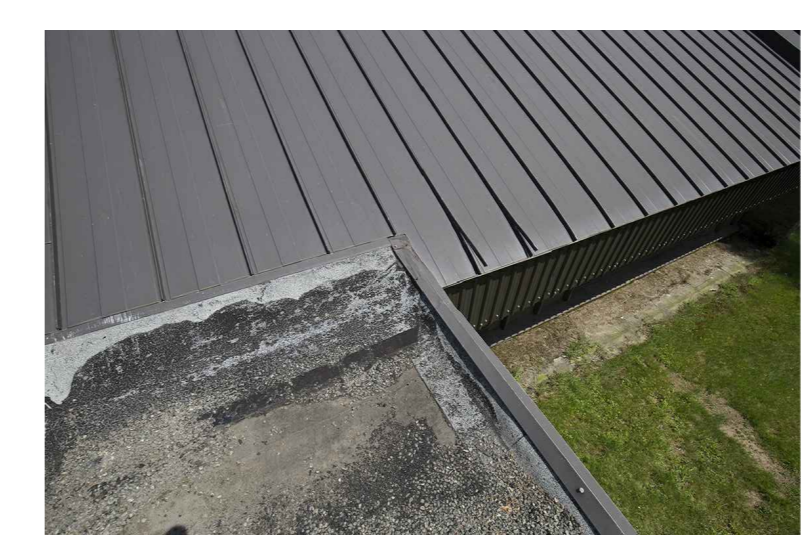
REPAIR STRATEGY & SOLUTIONS	
SYMBOL	DESCRIPTION
1	<p>1 WATER PENETRATION AT ROOF TRANSITIONS:</p> <p>CONDITION 1A BOTTOM OF VERTICAL STONE WALL TO ROOF TRANSITION:</p> <ul style="list-style-type: none"> - CONTRACTOR TO INVESTIGATE TRANSITION WHERE VERTICAL STONE WALL MEETS FLAT ROOF MEMBRANE. CAREFULLY REMOVE 3 STONE COURSES TO INVESTIGATE UNDERLYING CONDITIONS AND CATALOGUE/STORE STONES IN A SECURE LOCATION FOR RE-INSTALLATION. LOCATE AREAS OF DAMAGE AND WATER PENETRATION AND REPORT TO PROJECT MANAGER. INSTALL OR REPAIR ALUMINUM FLASHING. OVERLAP ALUMINUM FLASHING WITH BITUMINOUS MEMBRANE. PROVIDE A PROPER DRAINAGE PATH FROM BEHIND THE STONE CLADDING TO ABOVE THE ROOF TRANSITION. RE-INSTALL REMOVED STONES TO PREVIOUS LOCATIONS. REFER TO DETAIL 2/A-103 FOR DETAIL INTENT. <p>CONDITION 1B: TOP OF VERTICAL METAL WALL AND METAL ROOF TRANSITION:</p> <ul style="list-style-type: none"> - CONTRACTOR TO INVESTIGATE TRANSITION AT PEAK OF METAL ROOF WHERE IT MEETS THE VERTICAL WALL. CAREFULLY INVESTIGATE FLASHING CAP AS REQUIRED TO IDENTIFY AND LOCATE AREAS OF DAMAGE AND WATER PENETRATION. REPORT ANY DAMAGE TO PROJECT MANAGER. INSTALL OR REPAIR FLASHING CAP AND UNDERLAYMENT MEMBRANE AS REQUIRED TO PREVENT WATER PENETRATION INTO WALL AND ROOF CAVITIES. <p>CONDITION 1C: BOTTOM OF METAL ROOF SLOPE TO FLAT ROOF TRANSITION:</p> <ul style="list-style-type: none"> - CONTRACTOR TO INVESTIGATE ROOF MEMBRANE AND TRANSITION AND IDENTIFY ANY AREAS OF WATER PENETRATION. REPAIR MEMBRANE WHERE REQUIRED. <p>CONDITION 1D: STONE CHIMNEY PERIMETER AT SKYLIGHT AND METAL ROOF:</p> <ul style="list-style-type: none"> - CONTRACTOR TO INVESTIGATE FLASHING AT TRANSITION BETWEEN STONE CHIMNEY AND SKYLIGHT FLASHING AND AROUND SKYLIGHT PERIMETER. CAREFULLY REMOVE 3 STONE COURSES TO INVESTIGATE UNDERLYING CONDITIONS AND CATALOGUE/STORE STONES IN A SECURE LOCATION FOR RE-INSTALLATION. LOCATE AREAS OF DAMAGE AND WATER PENETRATION AND REPORT TO PROJECT MANAGER. INSTALL PROPER FLASHING AND COUNTER-FLASHING (BITUMINOUS MEMBRANE) TO PROVIDE DRAINAGE PATH FROM BEHIND THE STONE CLADDING AND AWAY FROM SKYLIGHT. REPLACE ALL SEALS AND CAULKING FOR WATERPROOF ENCLOSURE.
2	CONTRACTOR TO INVESTIGATE CONDITION AT ALUMINUM WINDOW PERIMETER AND SPANDREL PANEL. LOCATE AREAS OF WATER PENETRATION AND REPORT TO PROJECT MANAGER. FLASHING, COUNTER-FLASHING AND SEALS TO BE INSTALLED OR REPAIRED AS REQUIRED TO PREVENT WATER PENETRATION. ALLOW FOR DRAINAGE. PROVIDE WEEPING HOLES IN STONE MASONRY WHERE REQUIRED. NEW SEALANTS/CAULKING, ALL 4 SIDES.
3	CONTRACTOR TO CAREFULLY REMOVE 3 COURSES OF STONES ABOVE WINDOWS TO INVESTIGATE UNDERLYING CONDITIONS. LOCATE AND IDENTIFY AREAS OF WATER DAMAGE AND PENETRATION AND REPORT TO PROJECT MANAGER. REPAIR ANY DAMAGED UNDERLYING MATERIALS. INSTALL/REPAIR FLASHING AND COUNTER-FLASHING. CLEAR OBSTRUCTIONS FROM EXISTING WEEPING HOLES AND PROVIDE NEW WEEPING HOLES WHERE REQUIRED TO ALLOW PROPER DRAINAGE FROM BEHIND THE STONE CLADDING. MASONRY RE-POINTING AS REQUIRED. RE-INSTALL REMOVED STONES TO PREVIOUS LOCATIONS. MASONRY RE-POINTING AS REQUIRED.
4	CONTRACTOR TO INVESTIGATE CONDITIONS AT ROOF DRAINS. REPLACE DRAINS, COVERS AND SEALS AND TIE INTO ROOF MEMBRANE FOR WATERPROOF SEAL. GRAVEL TO BE REPLACED AND PLACED ACCORDINGLY
5	CONTRACTOR TO INVESTIGATE CONDITION AT RETAINING WALL. INTRODUCE / RE-INSTALL WEEPING HOLES IN STONE MASONRY TO ALLOW WATER DRAINAGE FROM BEHIND STONE FACADE. MASONRY REPOINTING AT ALL DAMAGED LOCATIONS



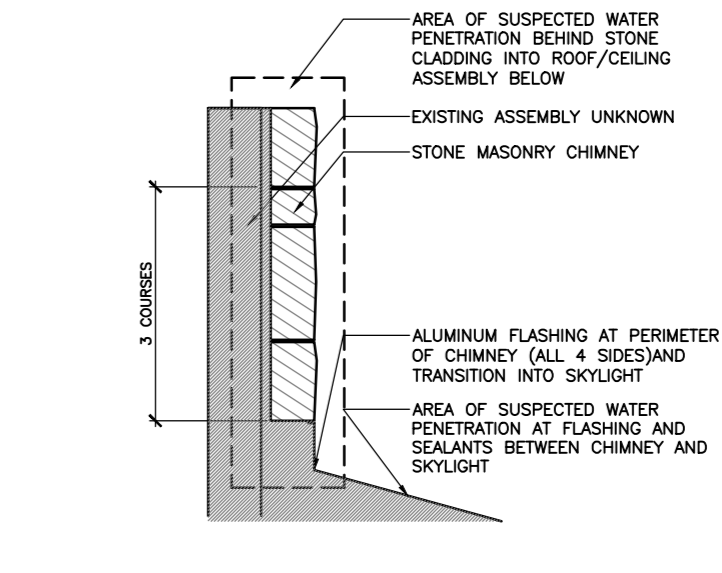
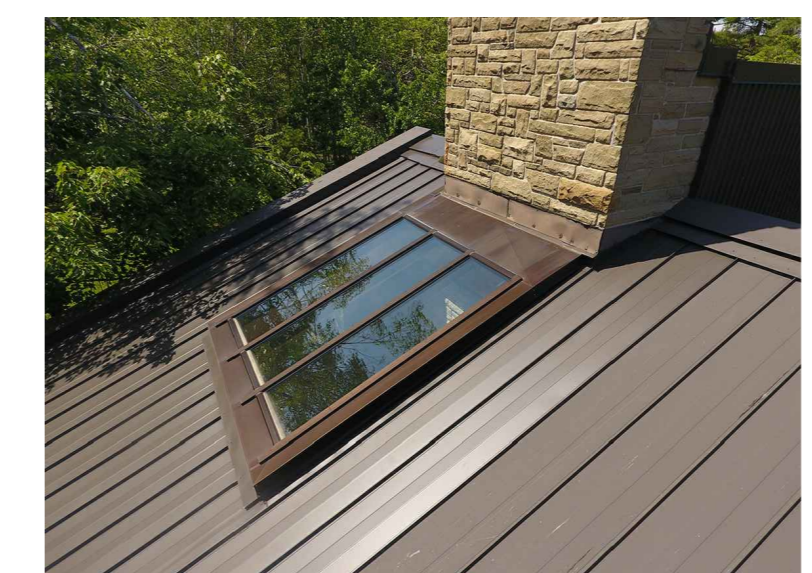
CONDITION 1A



CONDITION 1B



CONDITION 1C



CONDITION 1D

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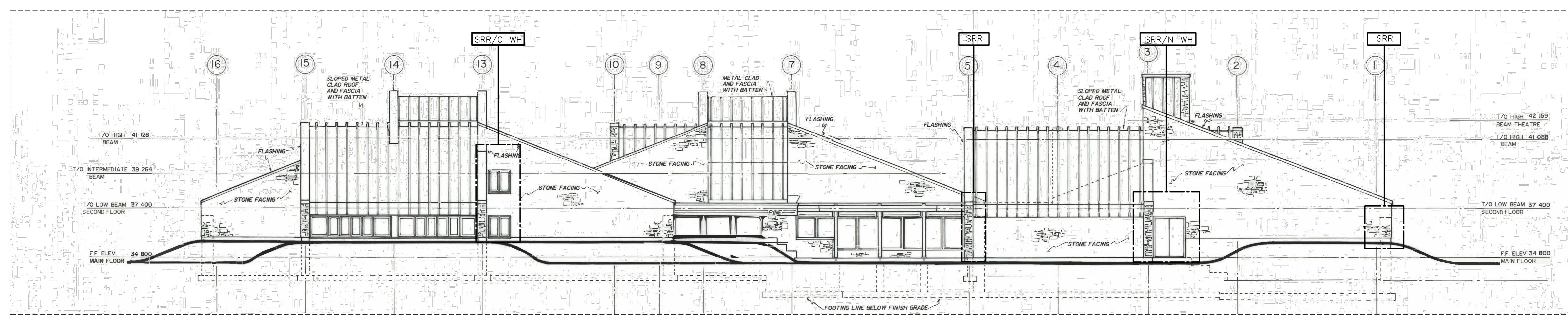


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5	ISSUED FOR TENDER 01/31
4	ISSUED FOR BS8 12/21
3	ISSUED FOR BS4 11/15
2	ISSUED FOR BS3 09/25
1	ISSUED FOR BS2 08/09

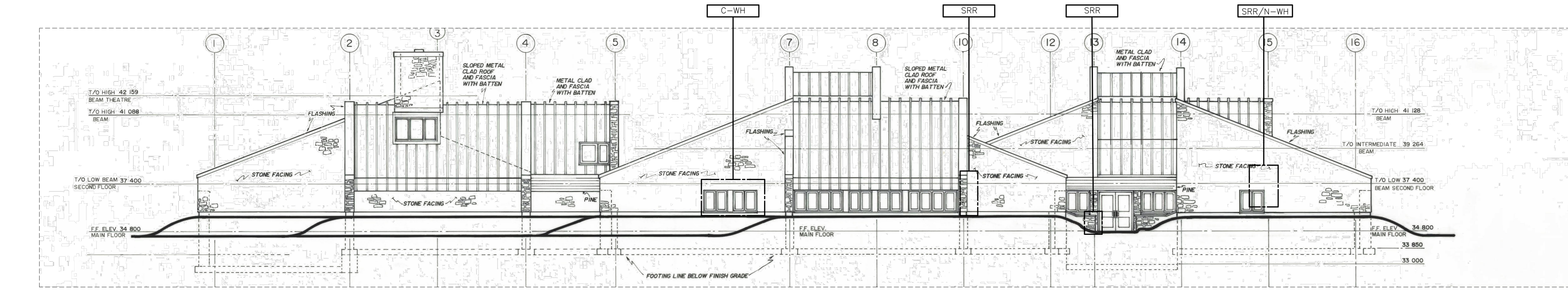
project
FACILITY REHABILITATION
KOUCHIBOUGUAC
NATIONAL PARK
New Brunswick
NEW BRUNSWICK

drawing
VISITOR INFORMATION
CENTRE
ROOF PLAN

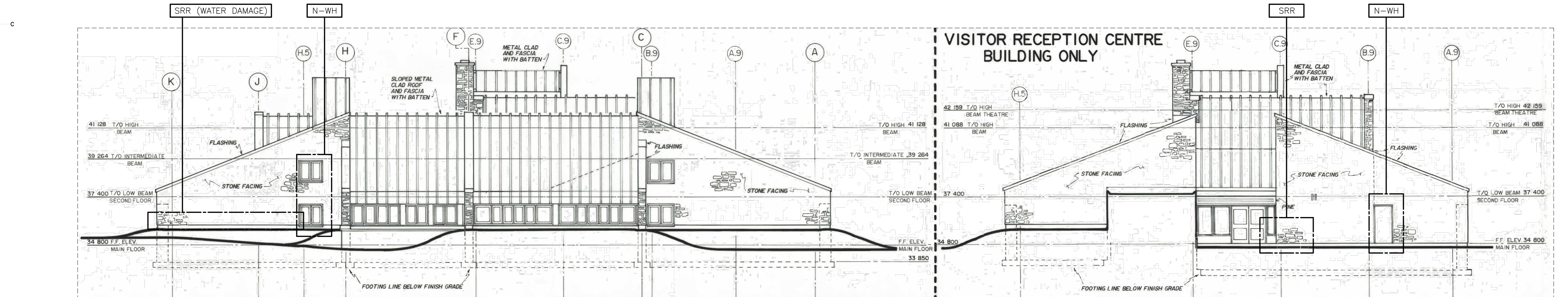
designed	Ekistics Planning & Design	concep
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approved		approuvé
date		
Tender		Submission
PWSC Project Manager	Administrateur de projets TPSCQ	
project number		no. du projet
drawing no.		no. du dessin
	A-103	



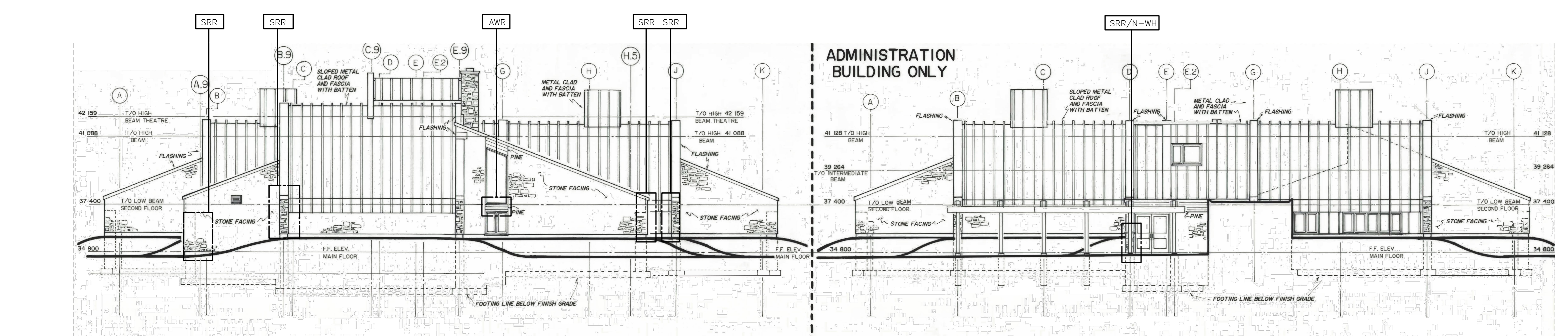
1 NORTH ELEVATION
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



2 SOUTH ELEVATION
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

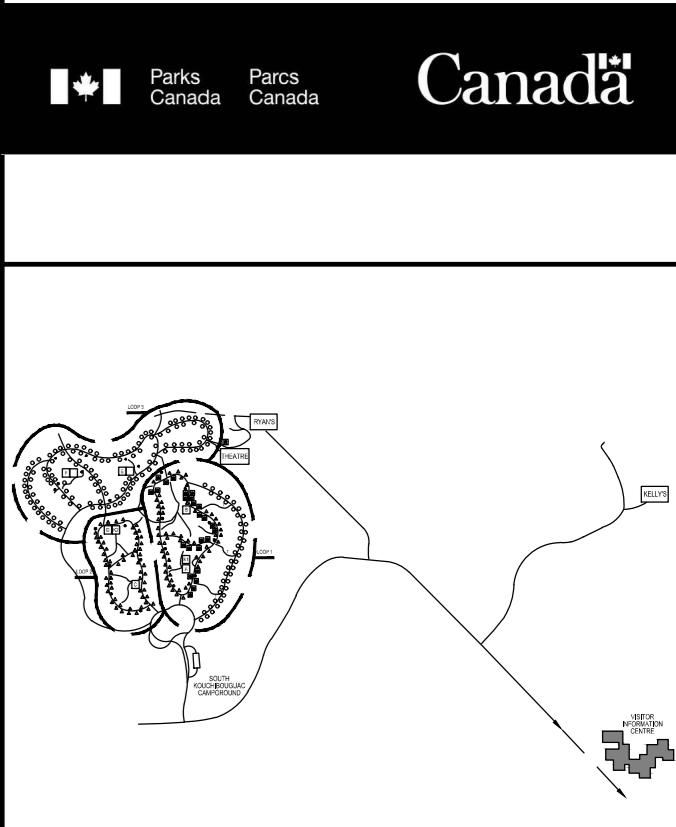


3 EAST ELEVATION
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



4 WEST ELEVATION
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

DAMAGE / REPLACEMENT SCHEDULE / LEGEND	symbol	description
N-WH		INTRODUCE NEW WEEPING HOLES ABOVE WINDOW TO ALLOW DRAINAGE FROM BEHIND STONE CAVITY
C-WH		EXISTING WEEPING HOLES TO BE CLEARED OF ANY OBSTRUCTIONS TO ALLOW FOR WATER TO EXIT CAVITY BEHIND STONE CLADDING
SRR		STONE REPAIR AND RE-POINTING
AWR		ALUMINUM WINDOW REPAIR



EKISTICS PLANNING & DESIGN
1 STARR LANE, DARTMOUTH
PH: (902)461-2529 FAX: (902)465-3131

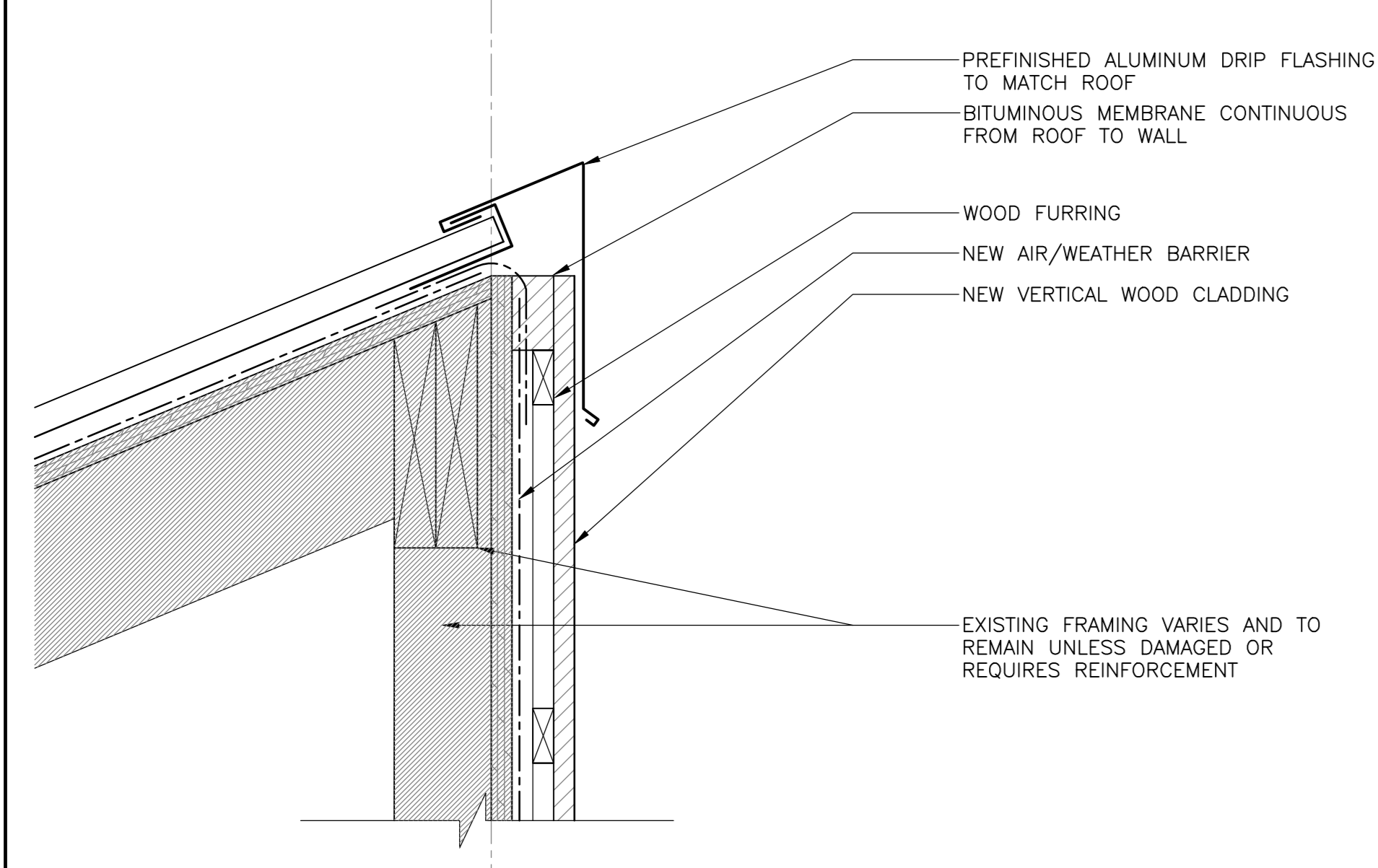


revisions	date
5	ISSUED FOR TENDER 01/31
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3	ISSUED FOR BS4 11/15
2	ISSUED FOR BS3 09/25
1	ISSUED FOR BS2 08/09

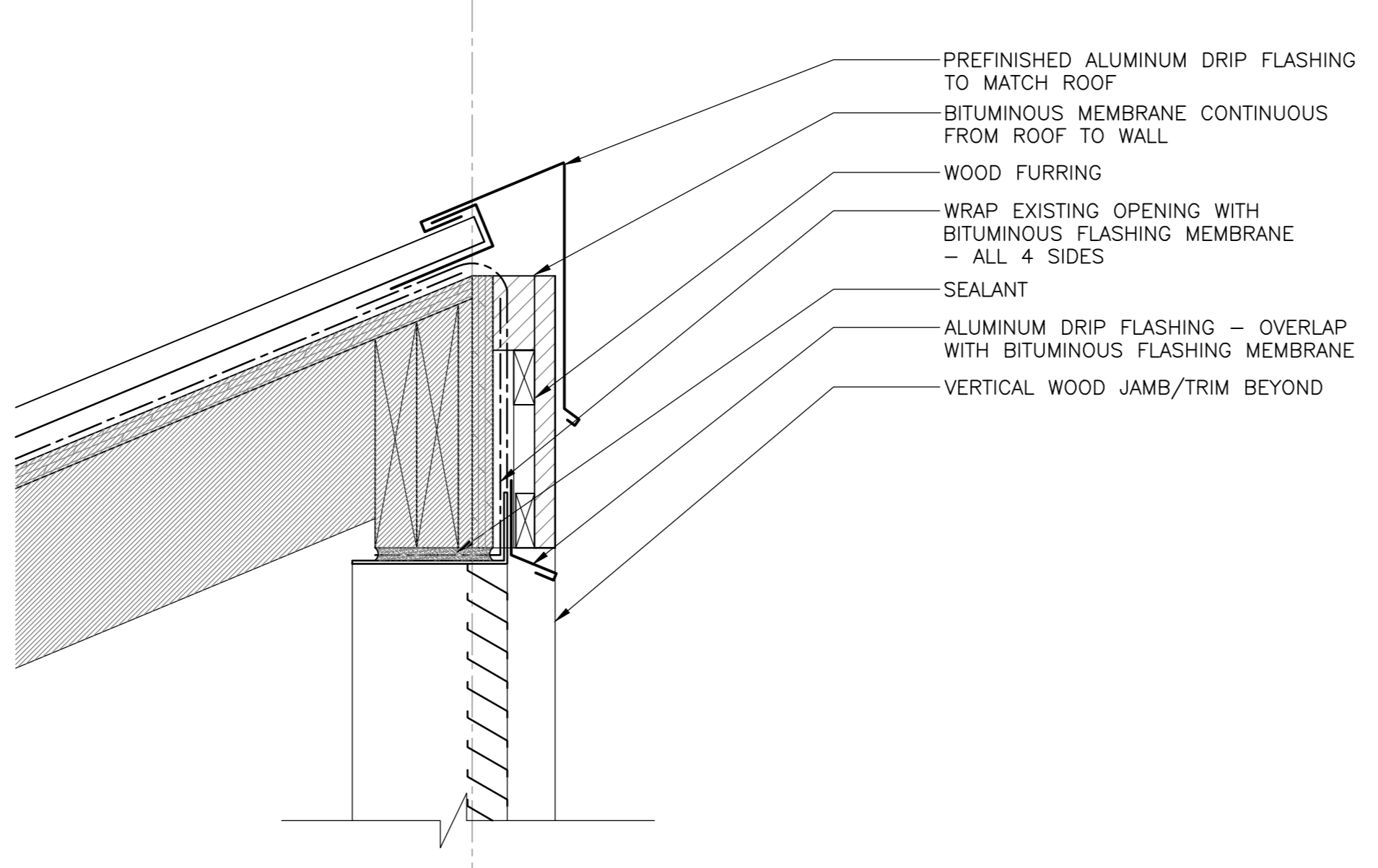
project
FACILITY REHABILITATION
KOUCHIBOUGUAC
NATIONAL PARK
KOUCHIBOUGUAC
NEW BRUNSWICK

VISITOR INFORMATION
CENTRE
BUILDING ELEVATIONS

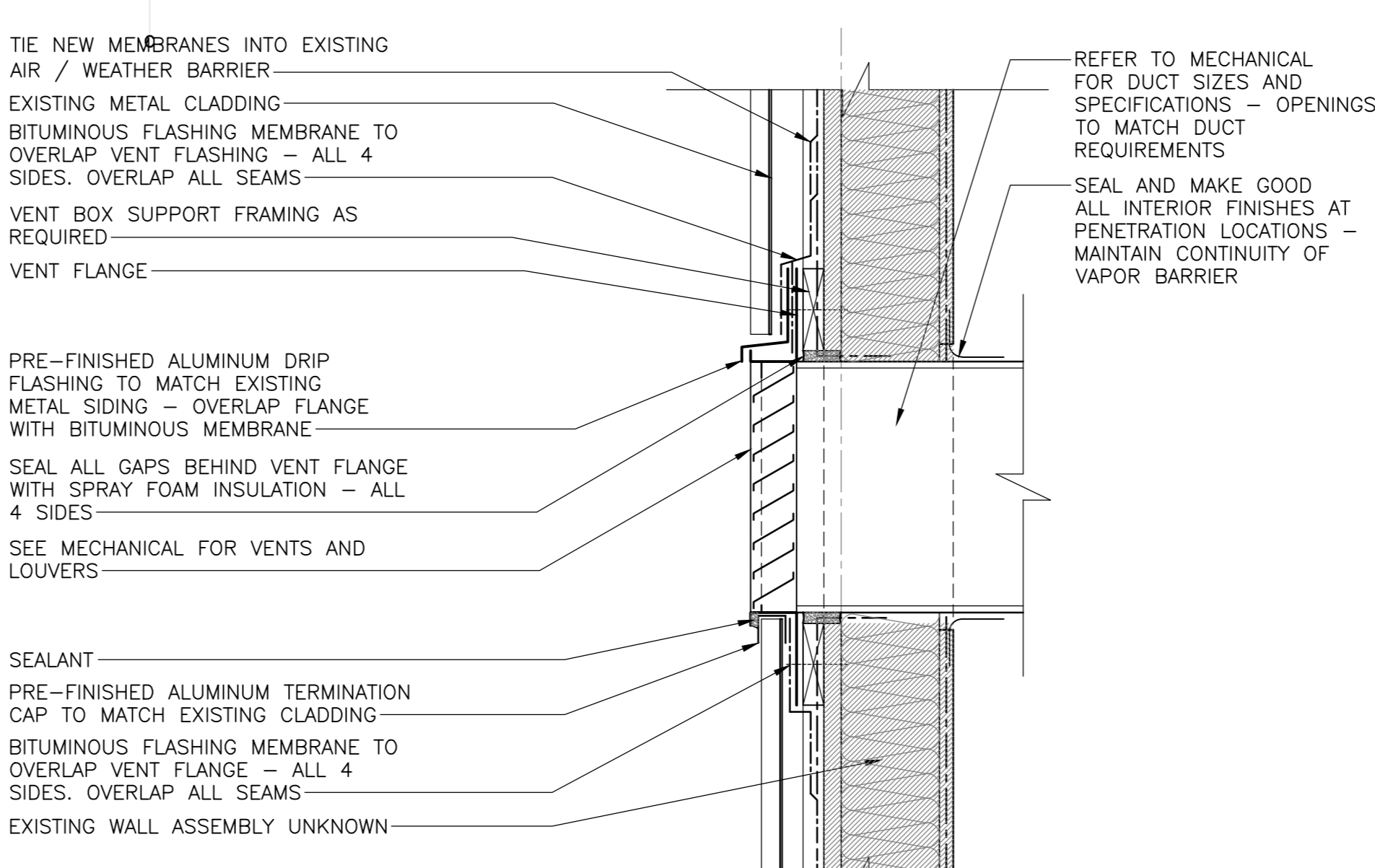
designer Ekistics Planning & Design
date
drawn
date
approved
date
Tender Submission
PWSC Project Manager Administrateur de projets TPSC
project number 1848-954
drawing no. A-201



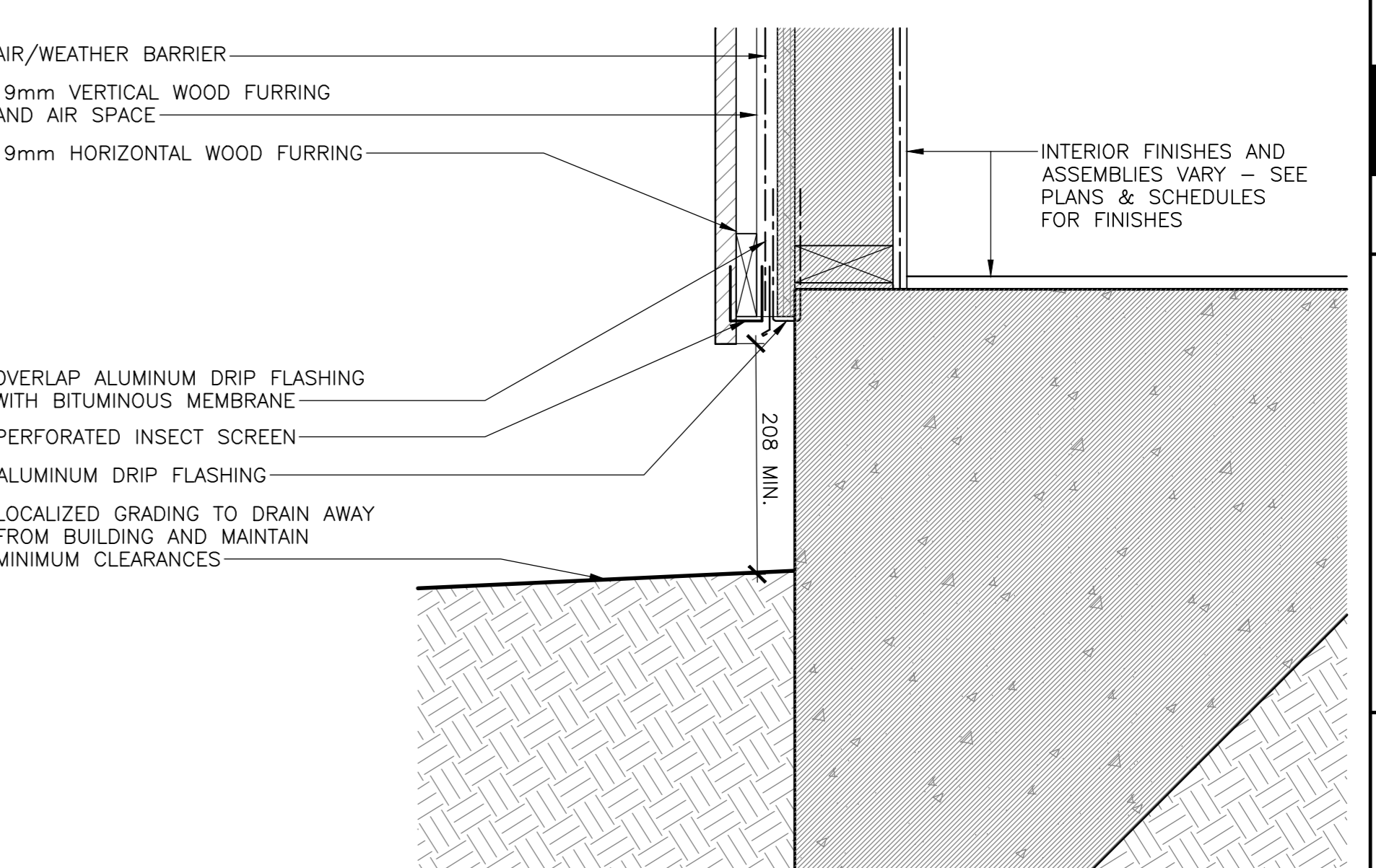
1 SECTION DETAIL - PEAK CONDITION
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



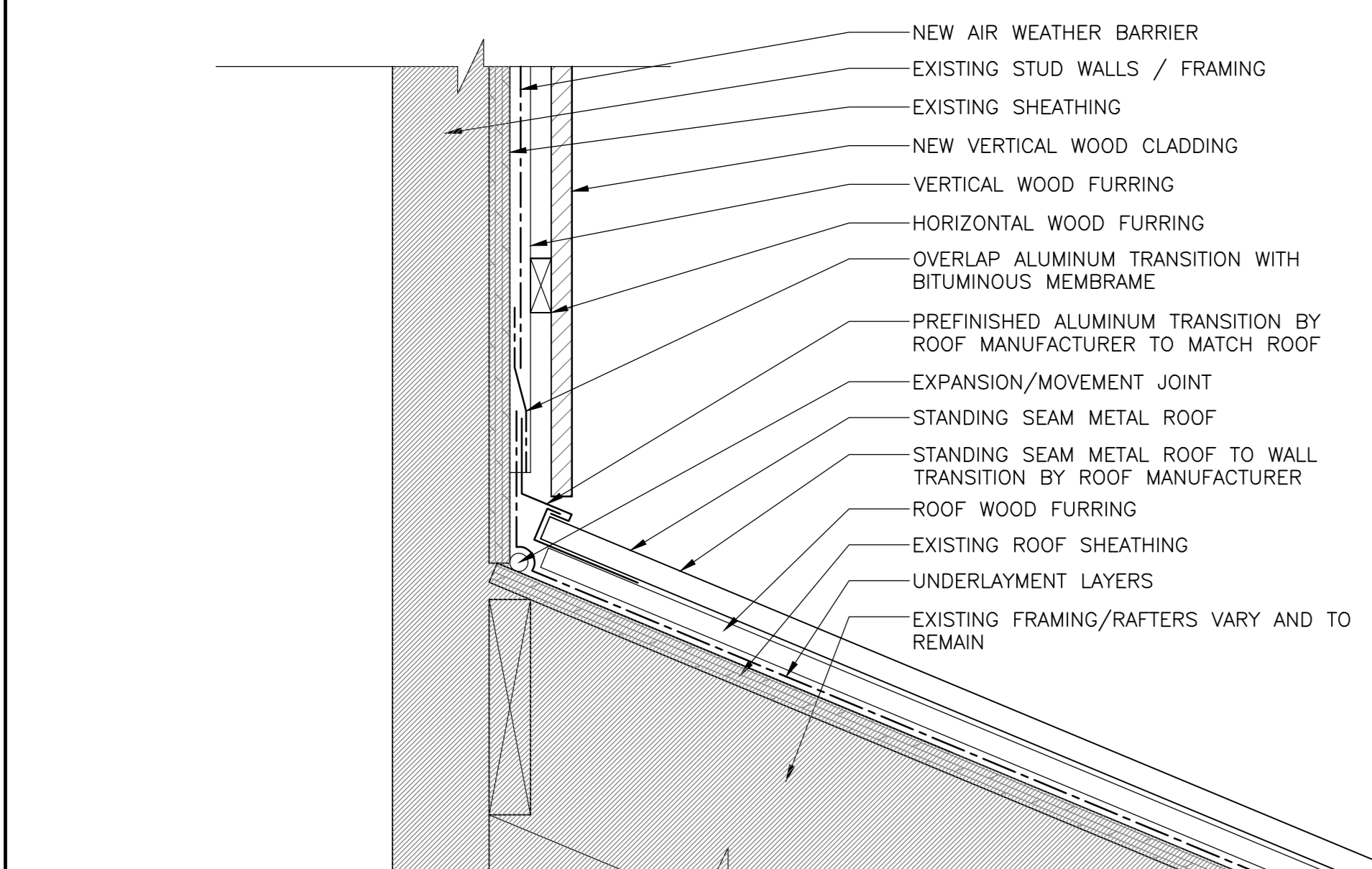
5 SECTION DETAIL - TOP OF VENT
SCALE: 1:5
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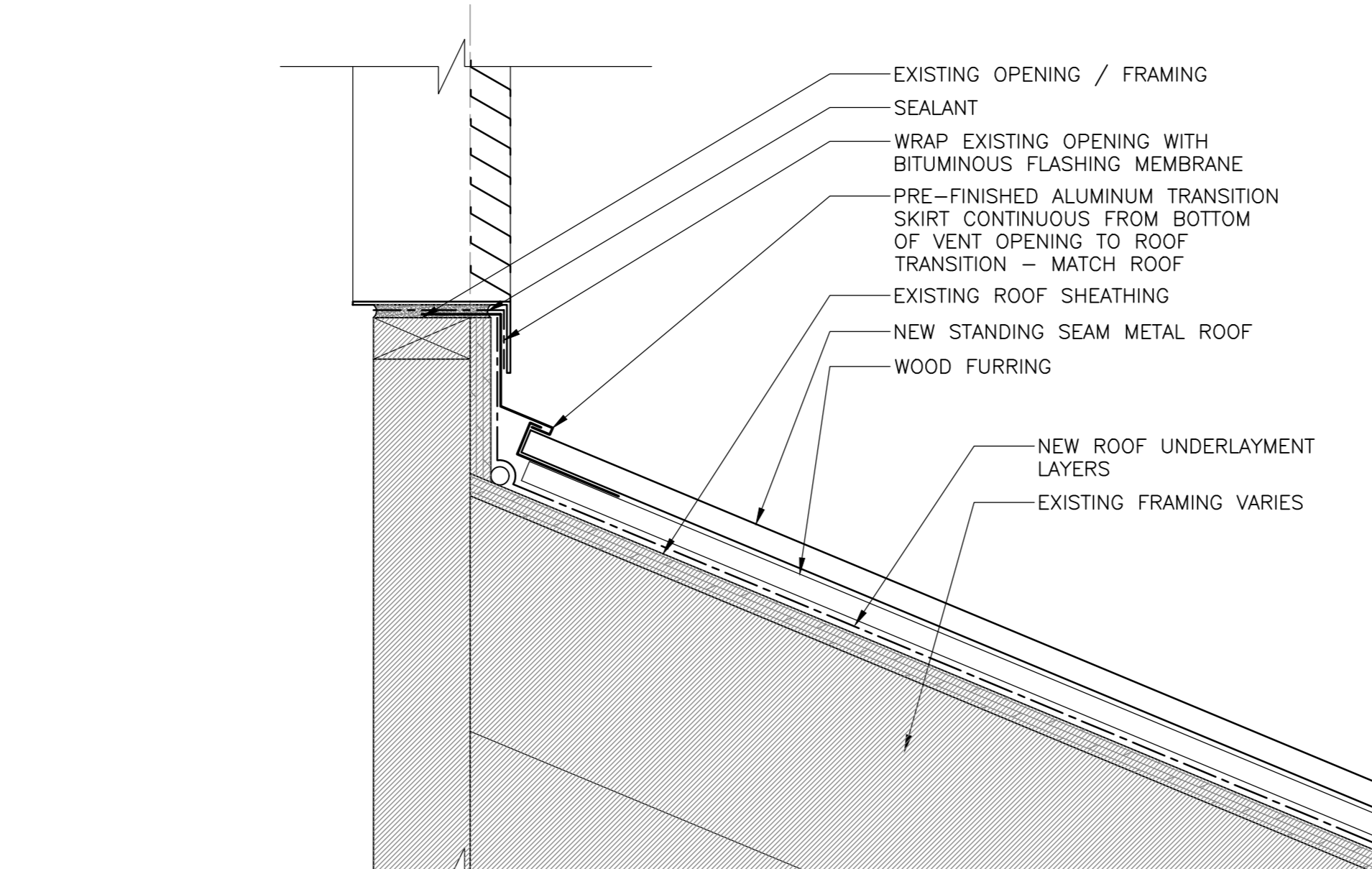
9 SECTION DETAIL - VENT ADMIN BLD.
SCALE: 1:5
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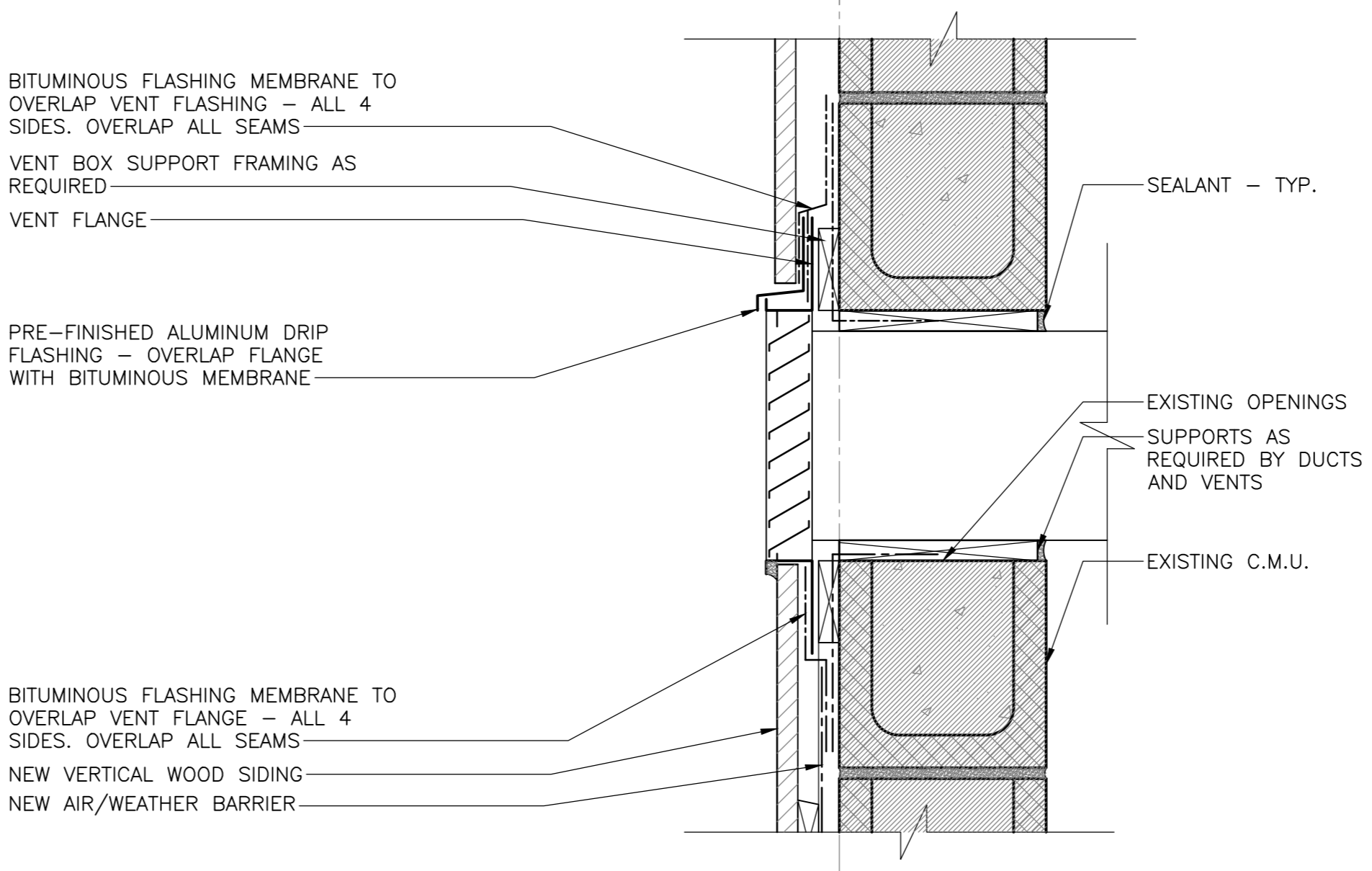
13 SECTION DETAIL - WALL BASE K1,K2
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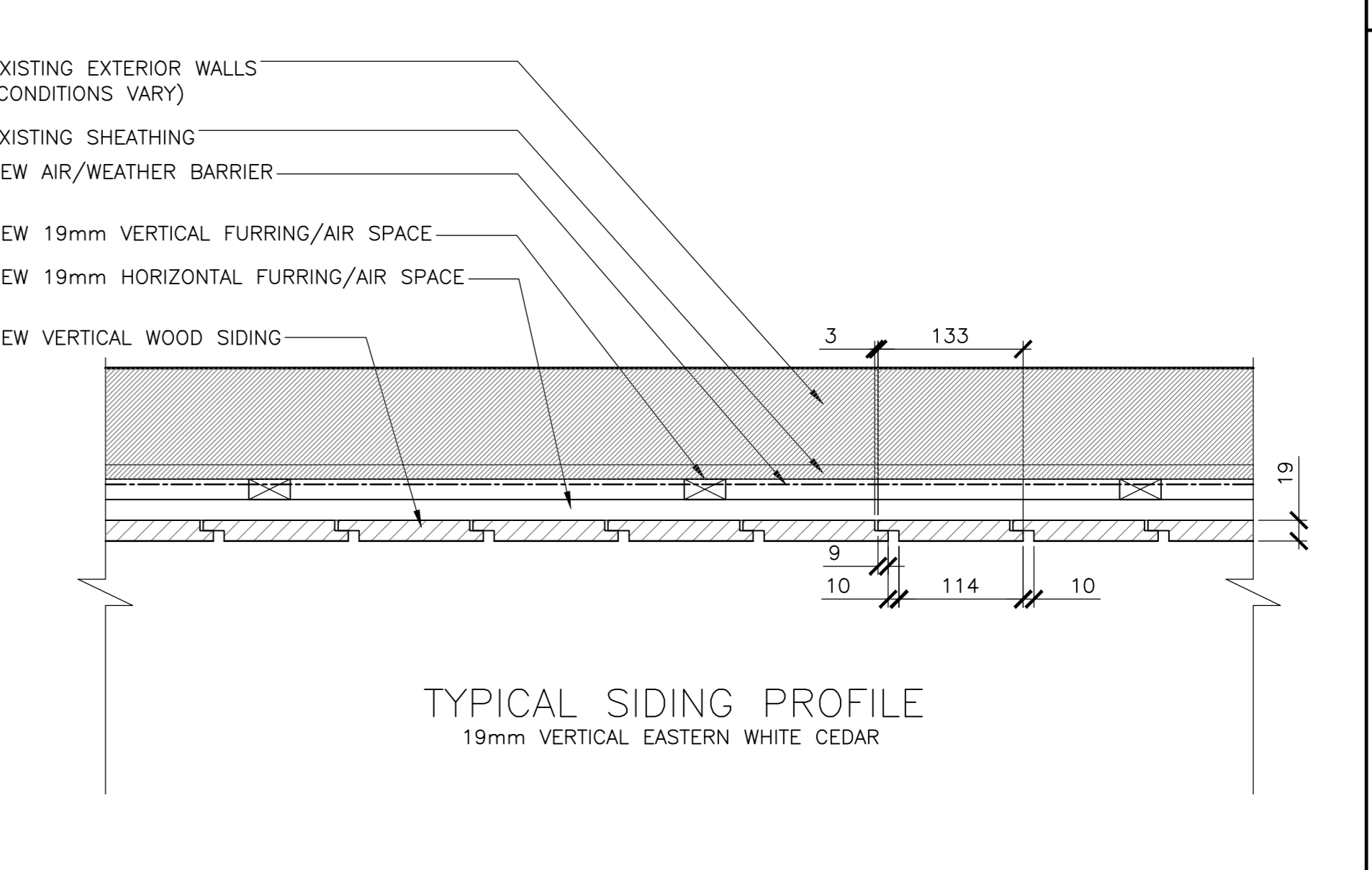
2 SECTION DETAIL - TYP. TRANSITION
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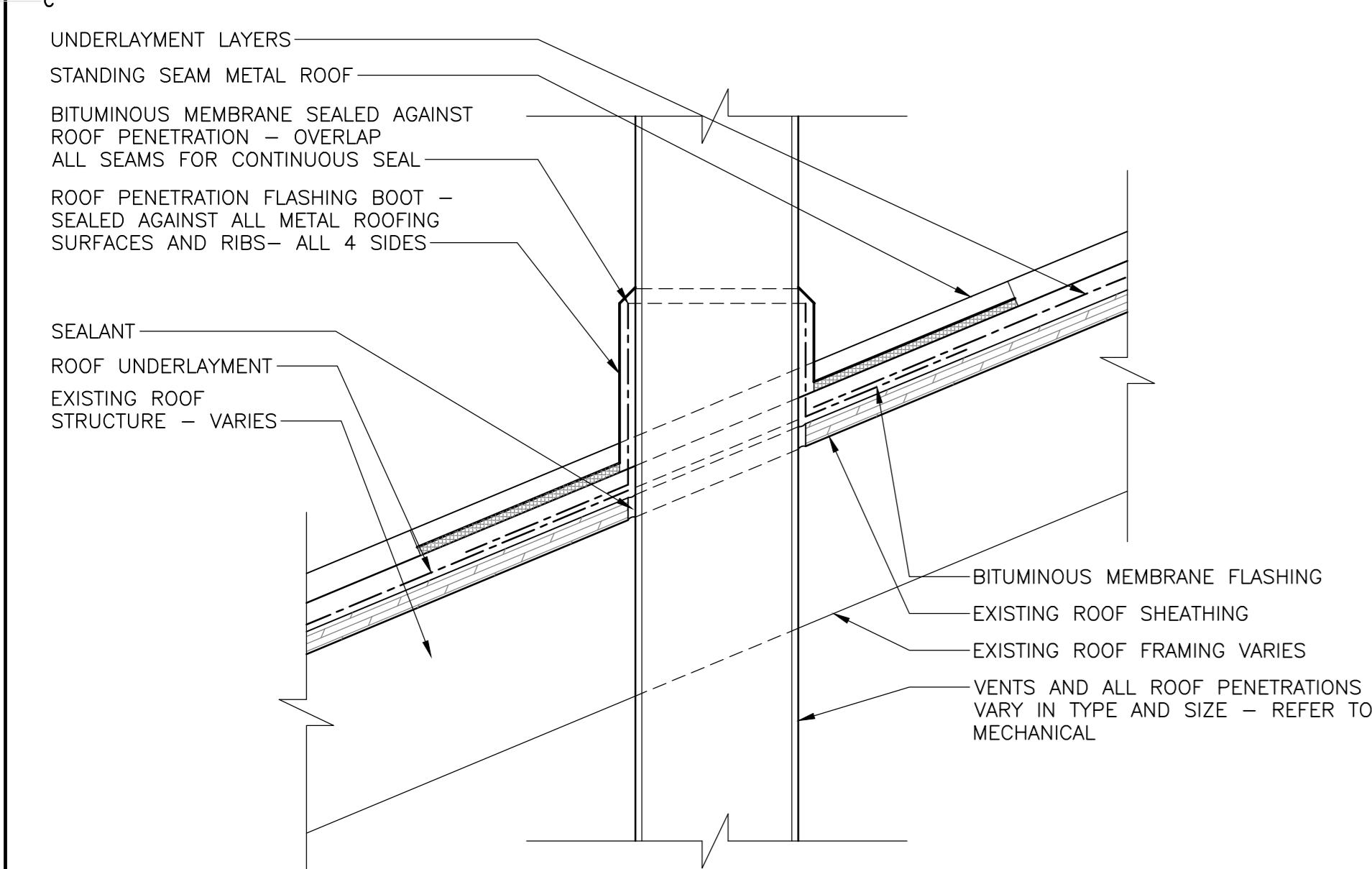
6 SECTION DETAIL - BOTTOM OF VENT
SCALE: 1:5
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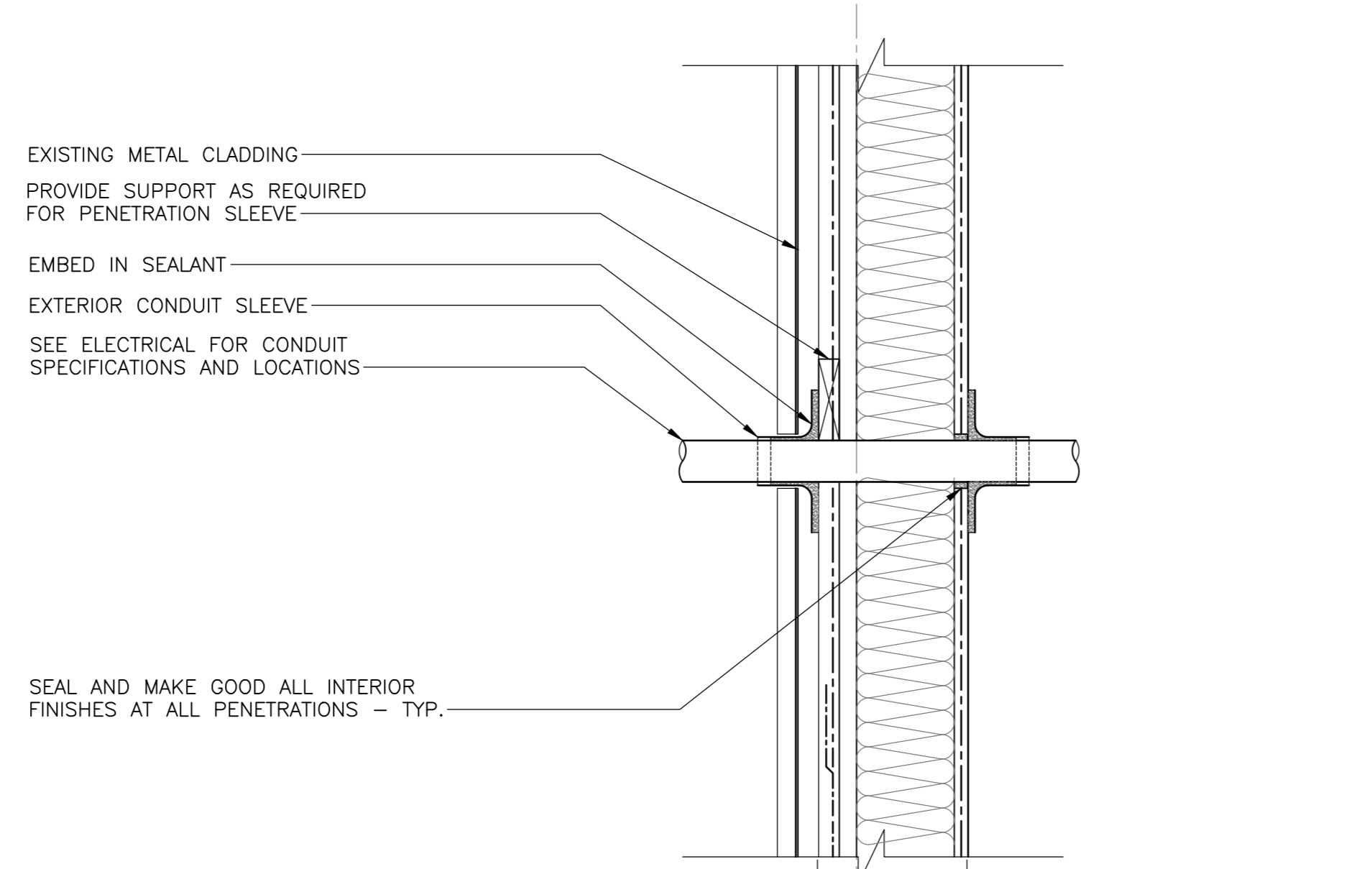
10 SECTION DETAIL - VENT KELLY'S BLD.
SCALE: 1:5
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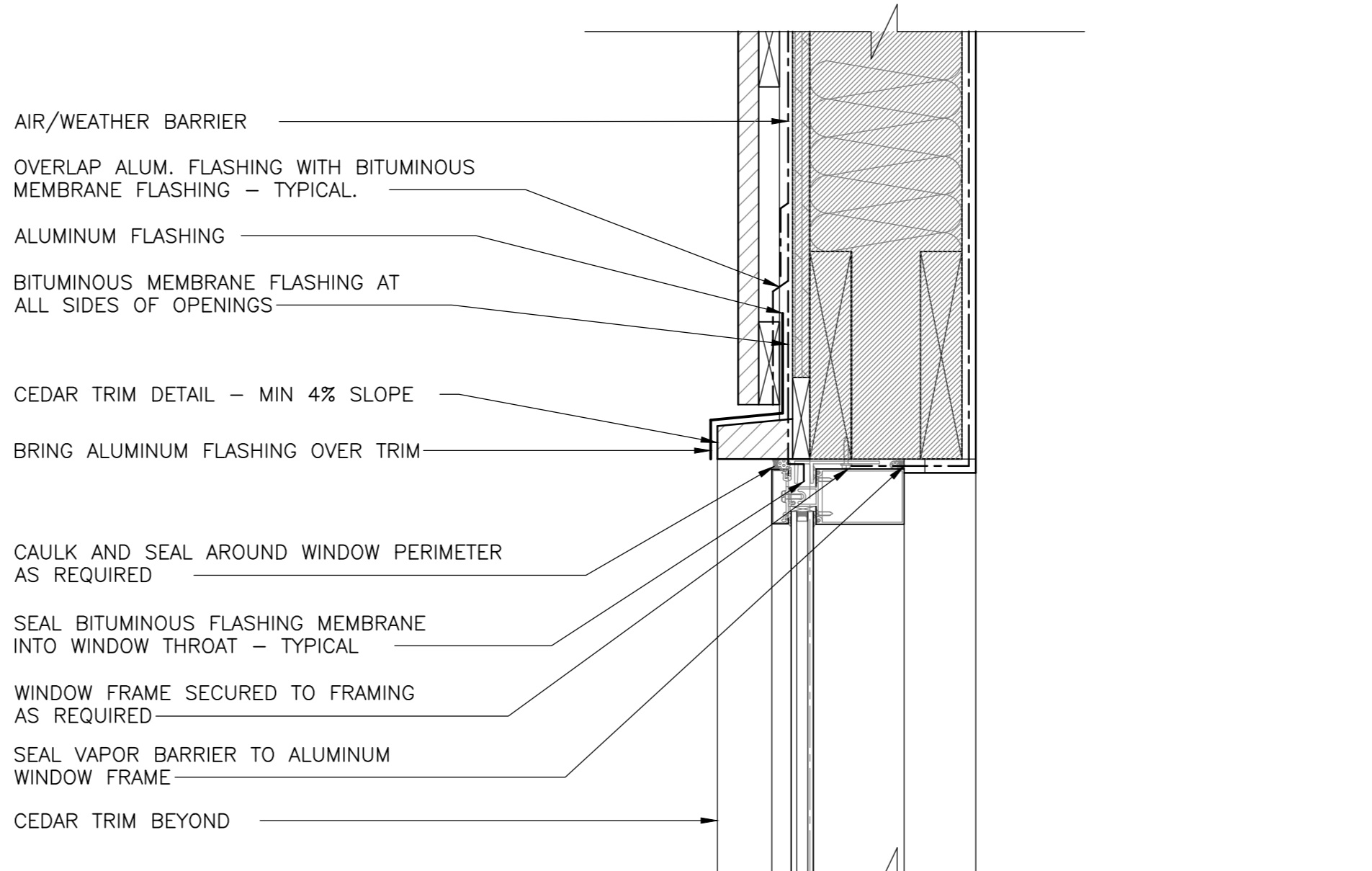
14 PLAN DETAIL - VERTICAL SIDING, TYP.
SCALE: 1:5
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3 SECTION DETAIL - METAL ROOF PENETRATION
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



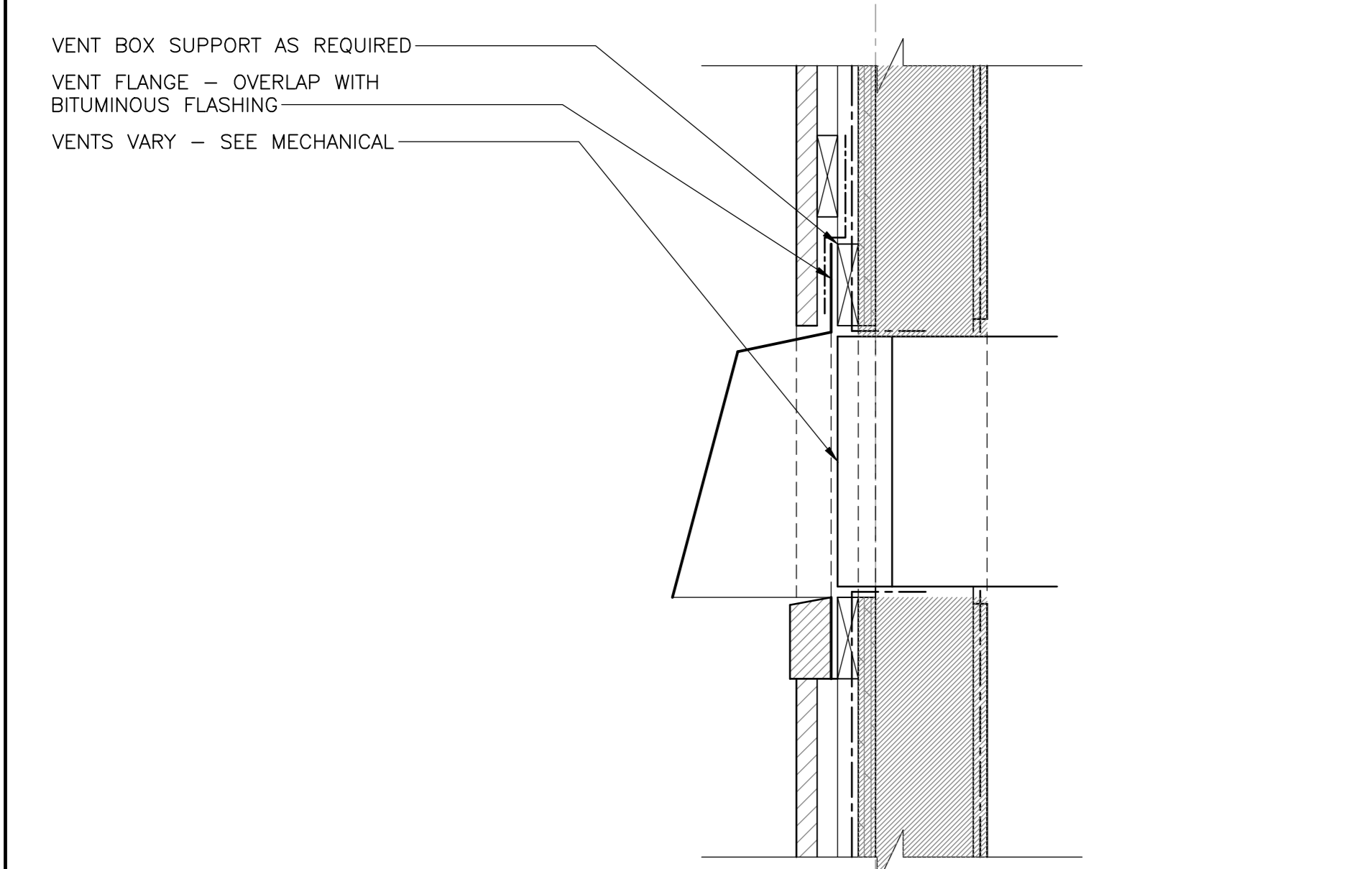
7 SECTION DETAIL - CONDUIT EXT WALL ADMIN BLD.
SCALE: 1:5
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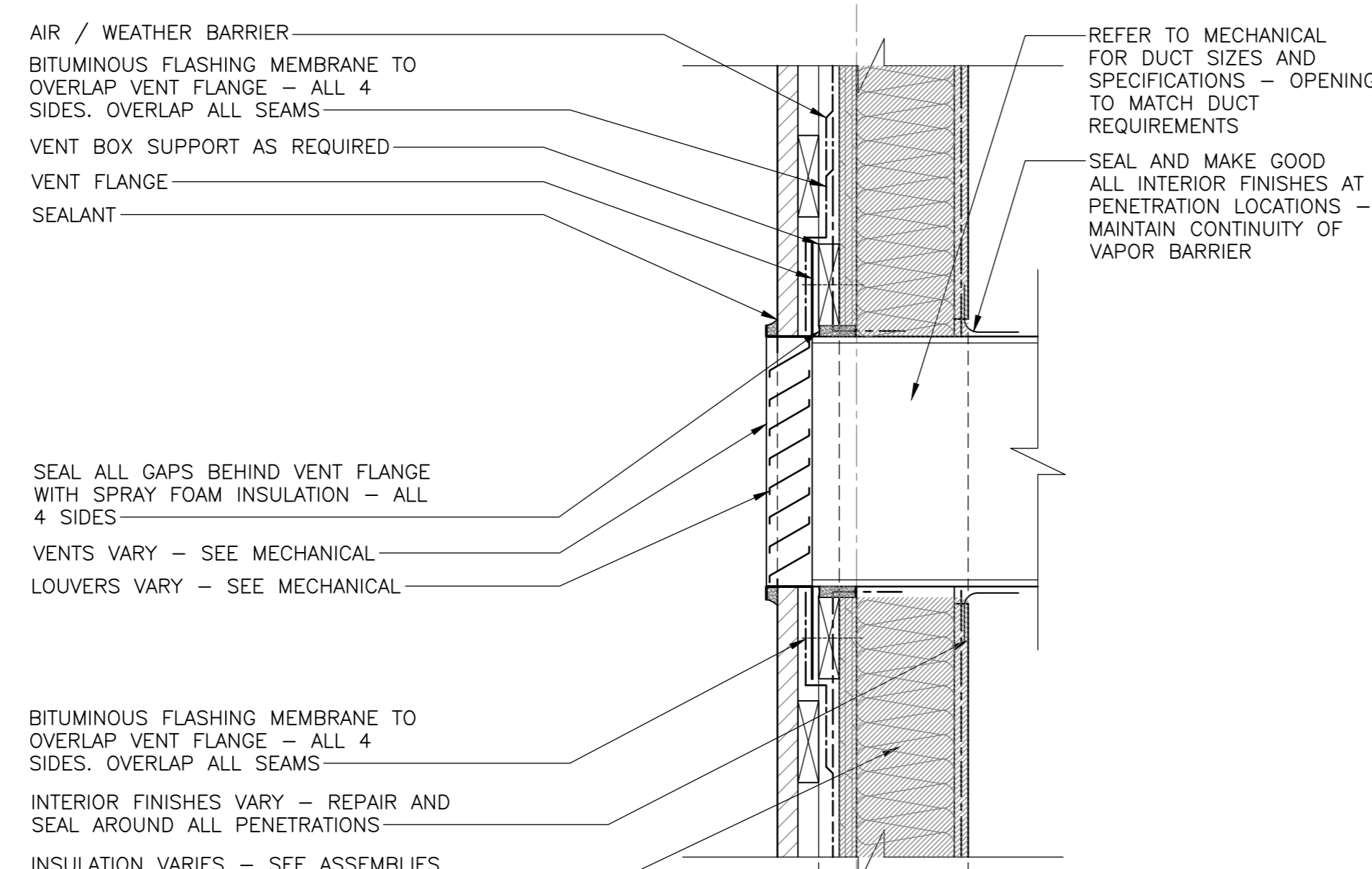
11 SECTION DETAIL - TYP. HEADER K1,K2
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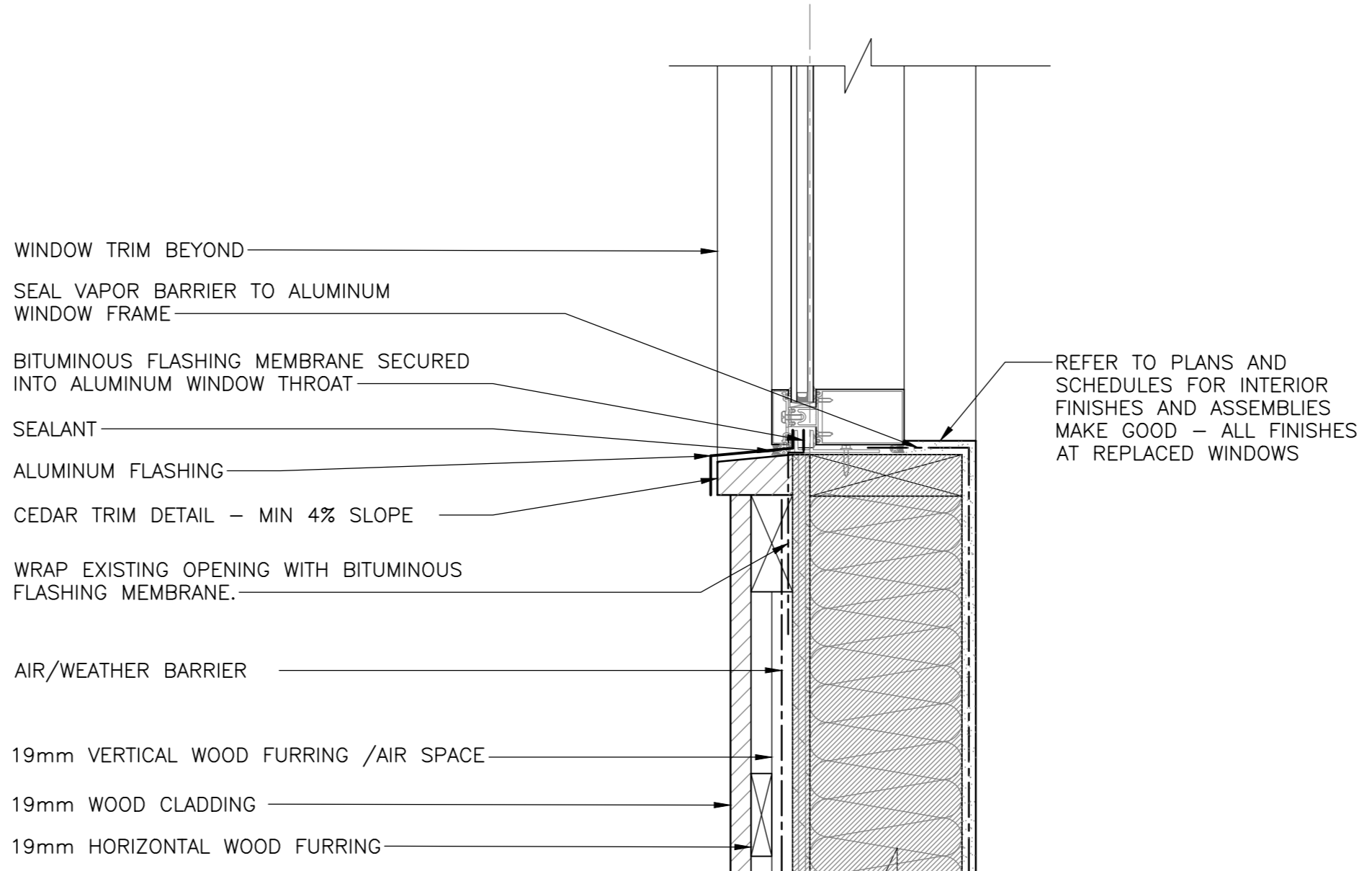
12 SECTION DETAIL - TYP. SILL K1,K2
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



4 SECTION DETAIL - VENT HOOD
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



8 SECTION DETAIL - VENT WOOD BLD.
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



12 SECTION DETAIL - TYP. SILL K1,K2
SCALE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm

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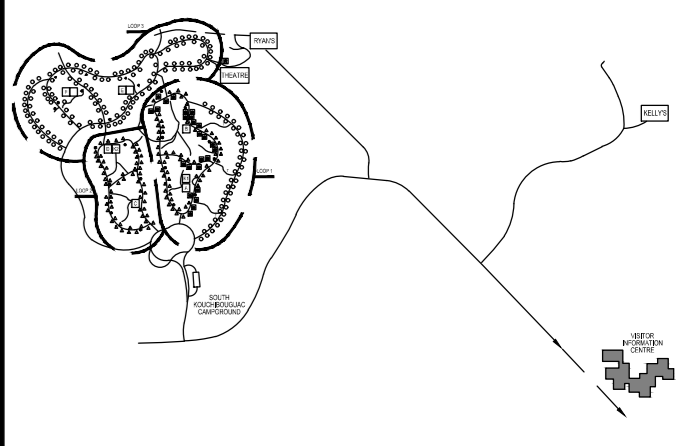


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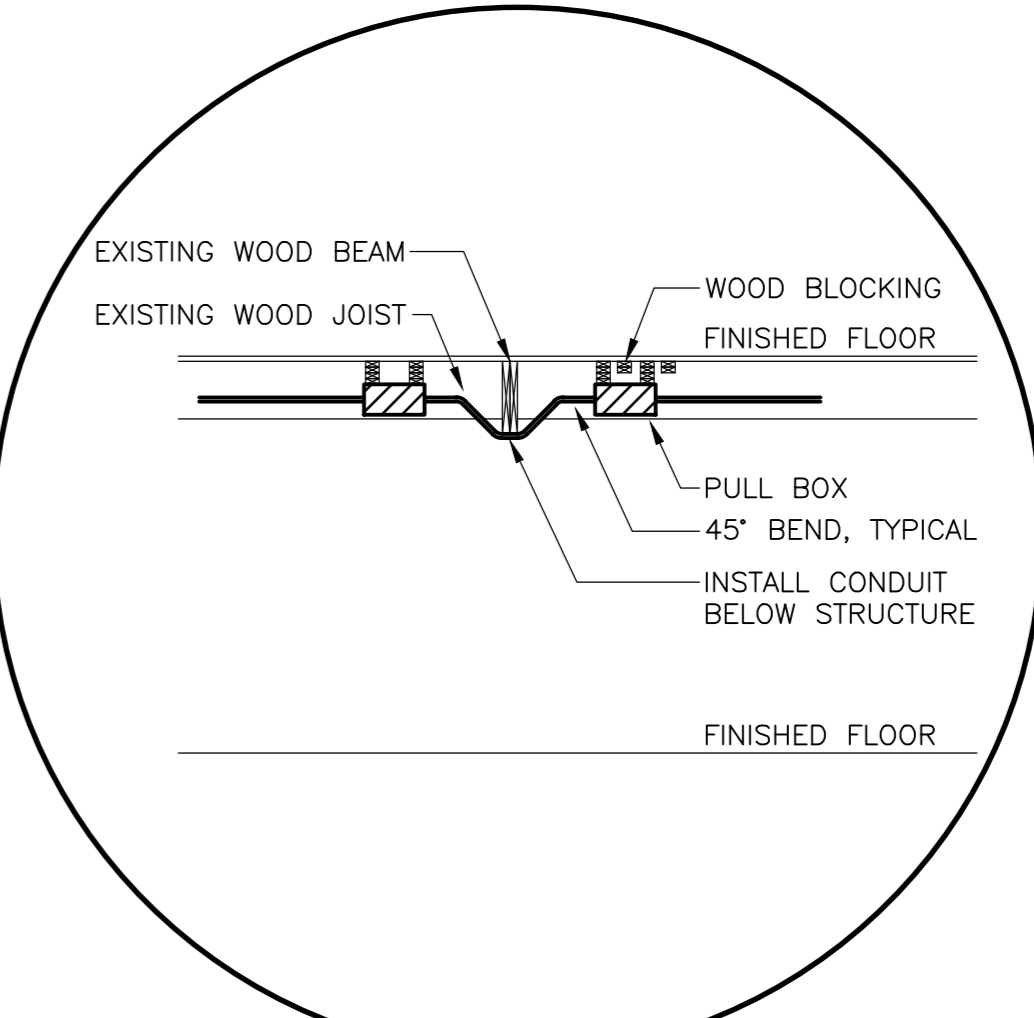
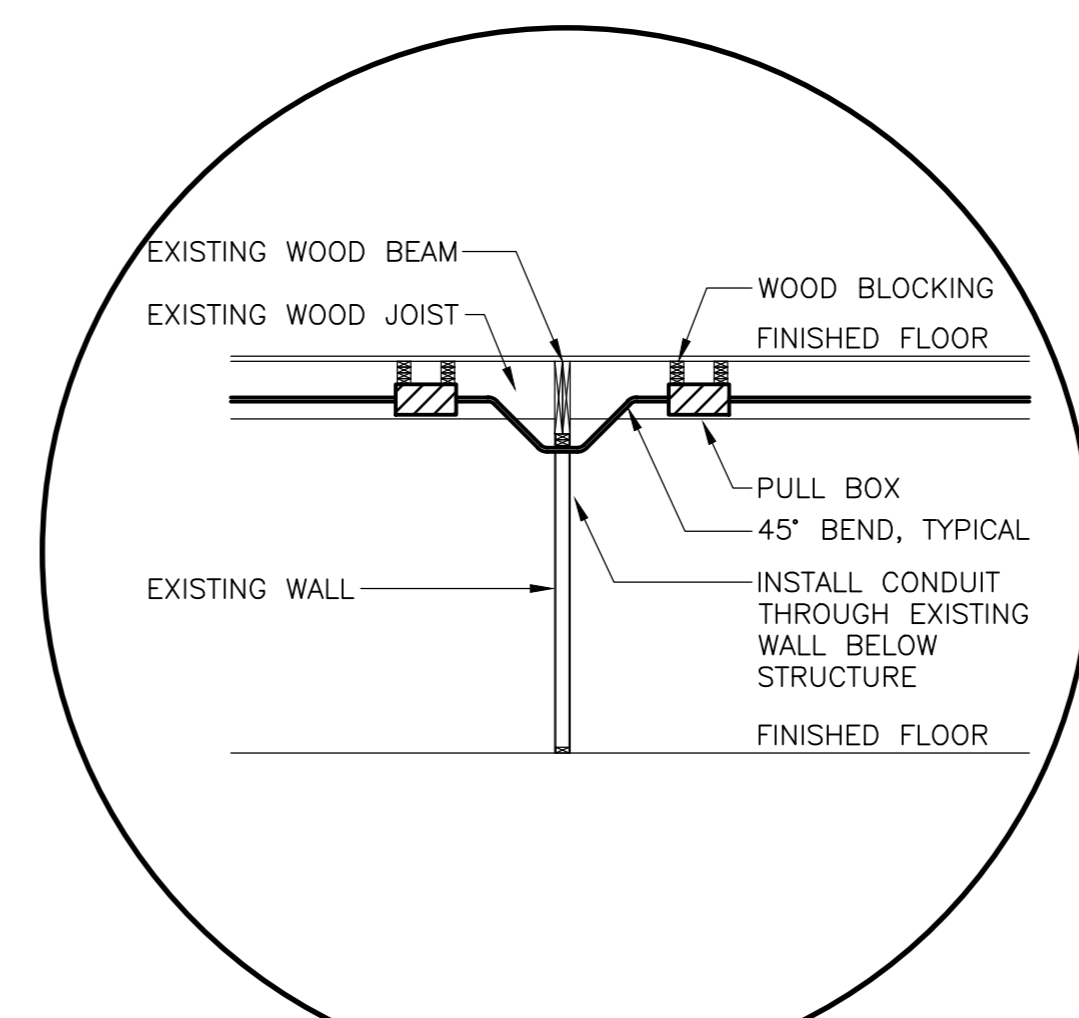
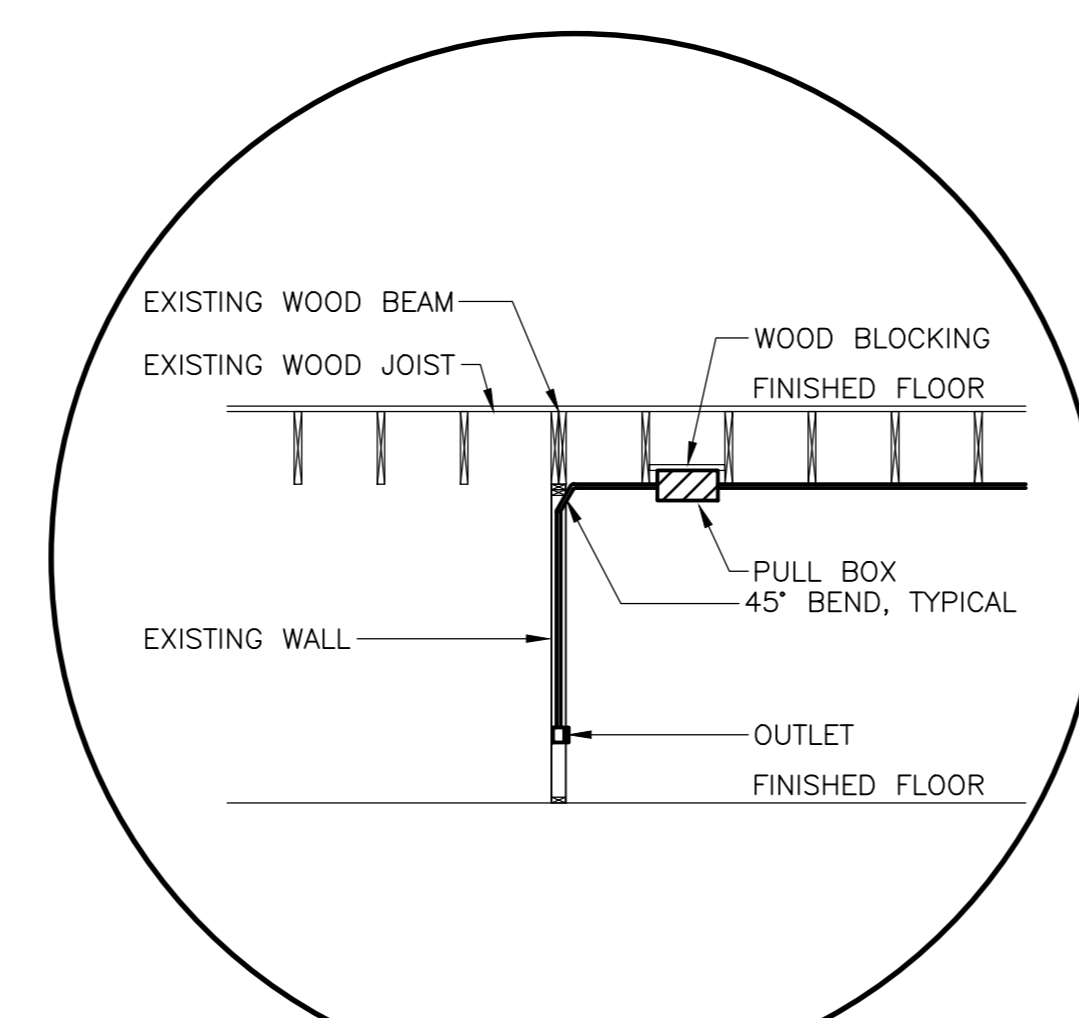
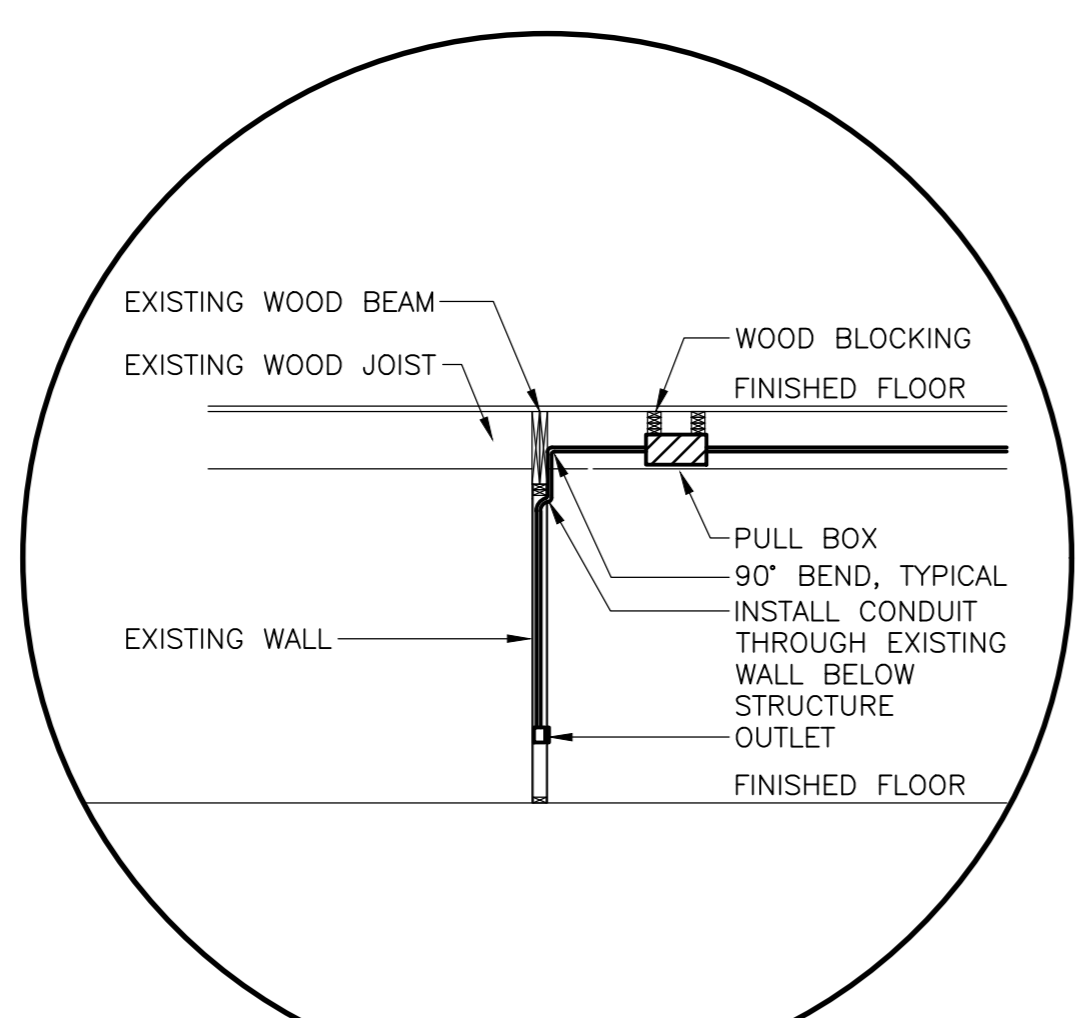
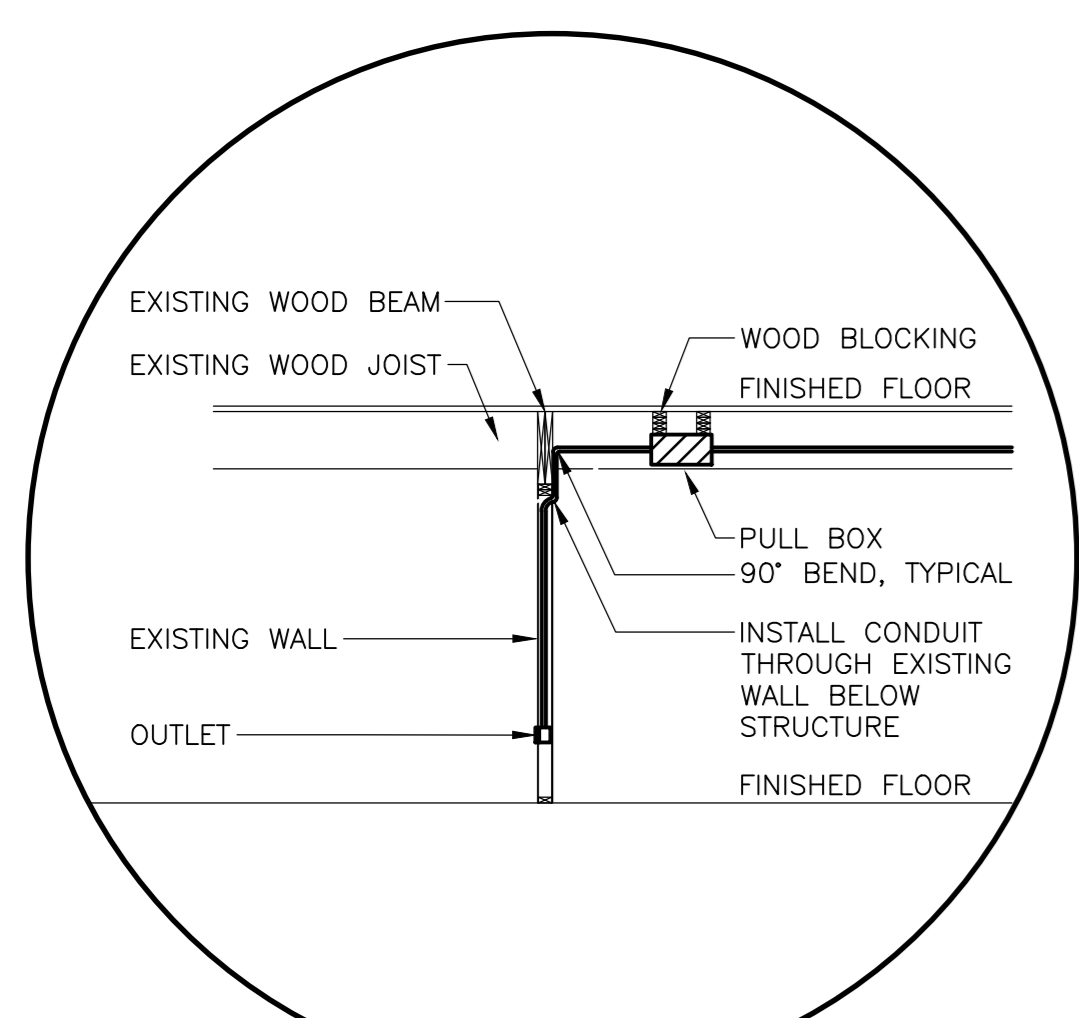
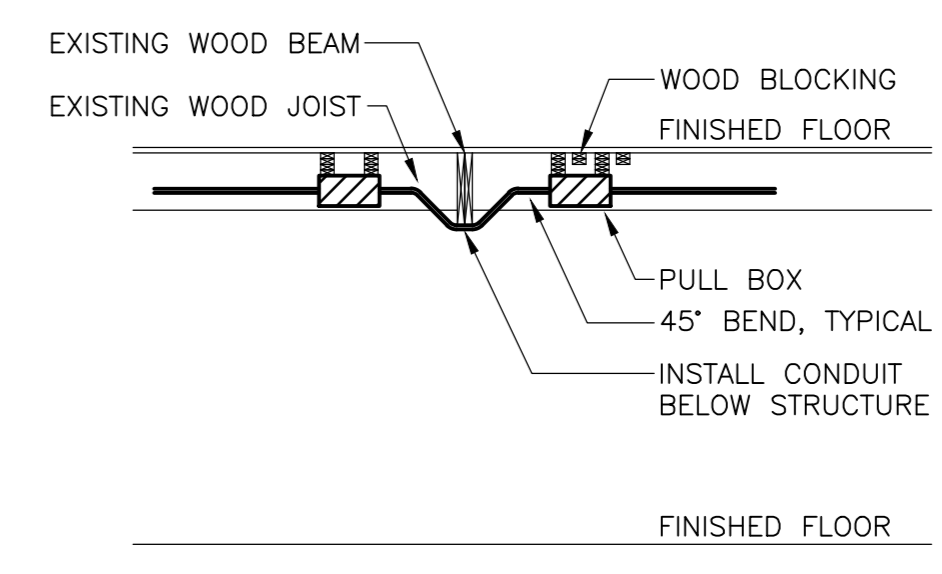
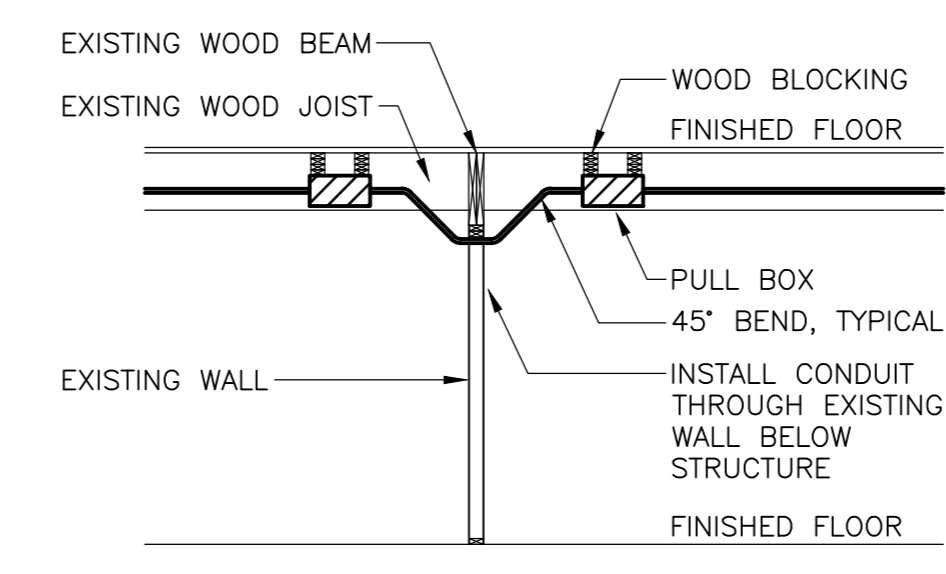
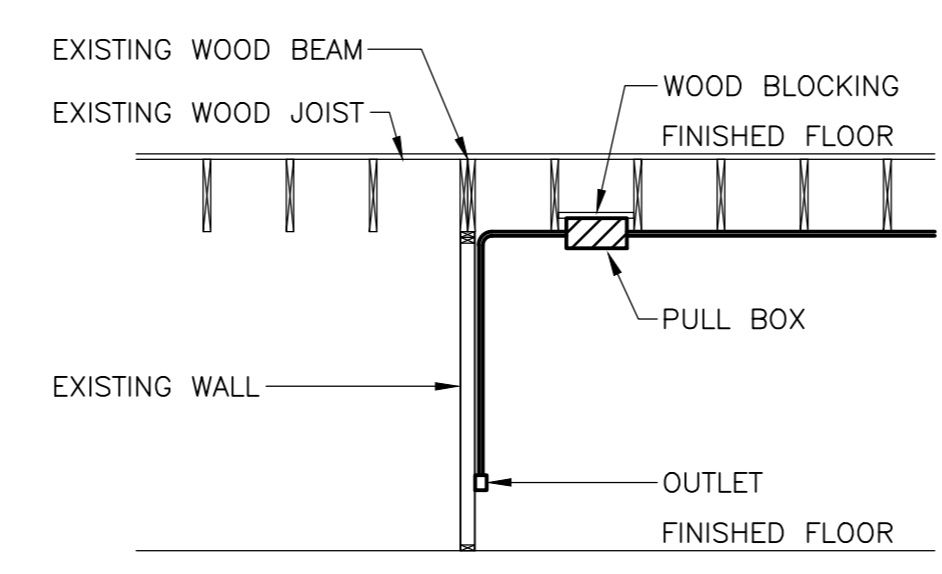
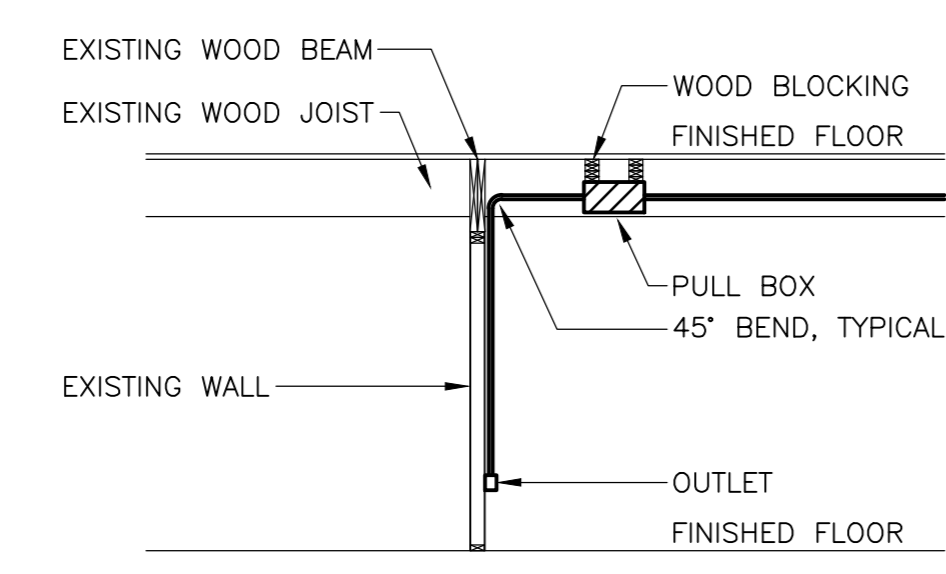
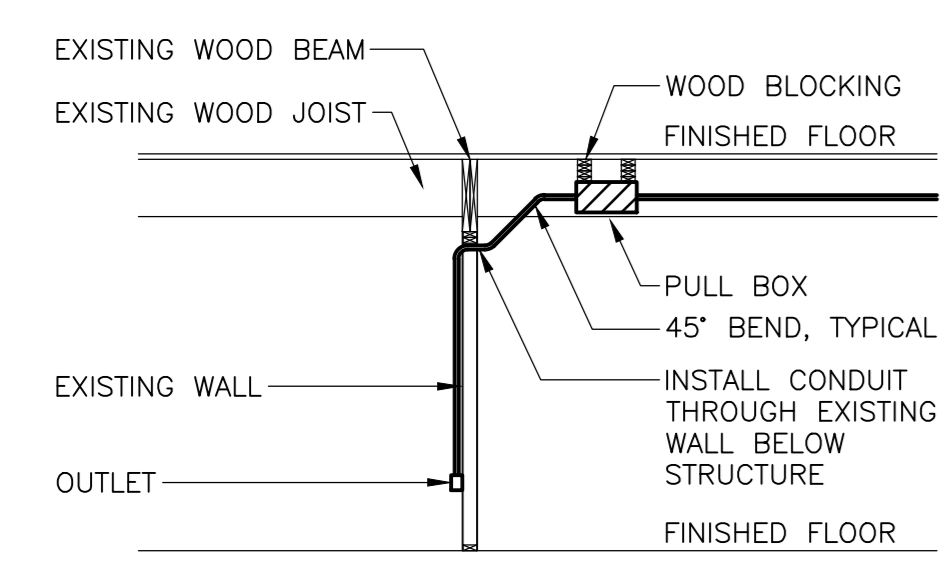
project
FACILITY REHABILITATION
KOUCHIBOUGUAC
NATIONAL PARK
KOUCHIBOUGUAC
NEW BRUNSWICK

MISCELLANEOUS DETAILS

designed	Ekistics Planning & Design	concep
drawn		dessiné
approved		approuvé
Tender		Submission
FWSC Project Manager	Administrateur de projets TPSC	
project number		no. du projet
drawing no.		no. du dessin



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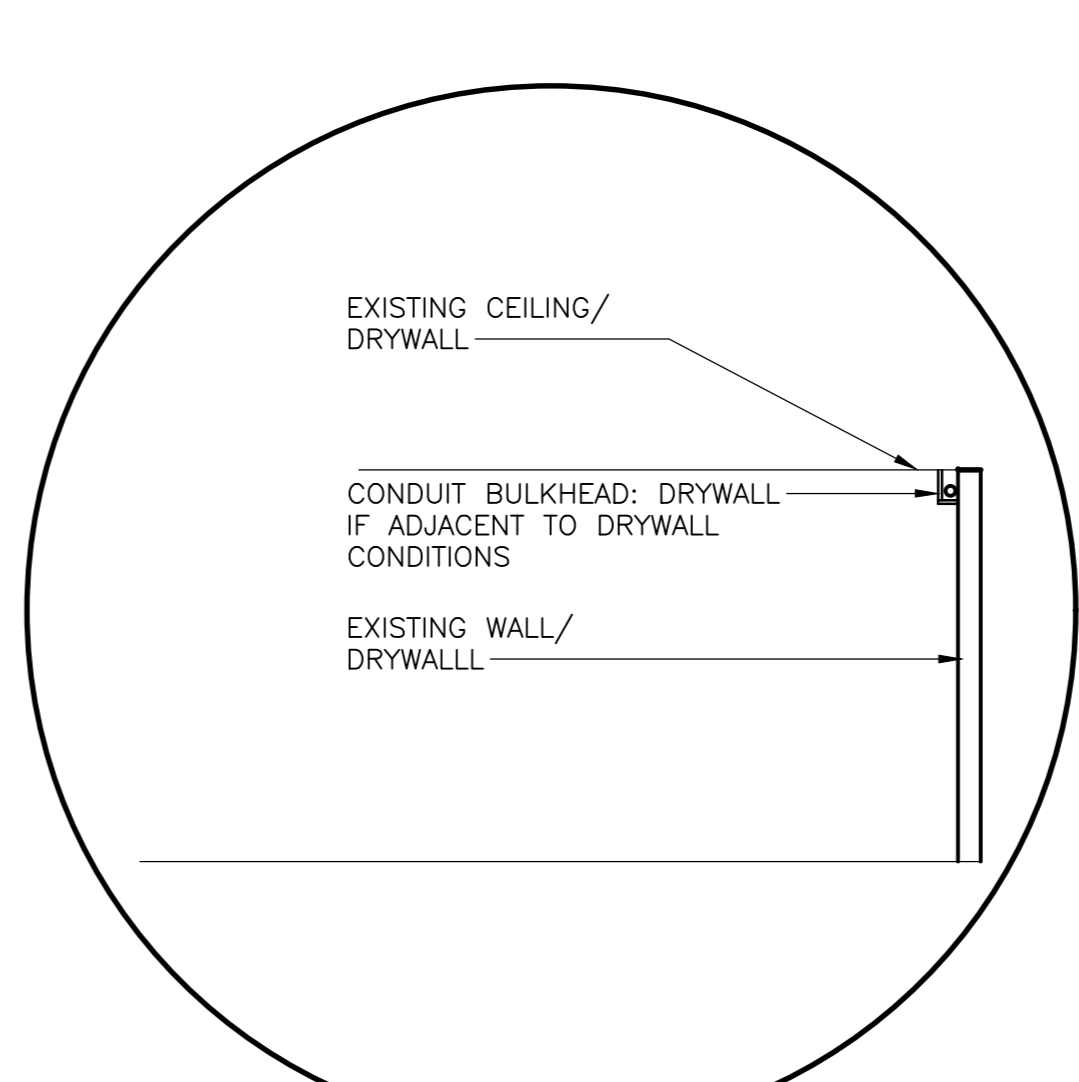
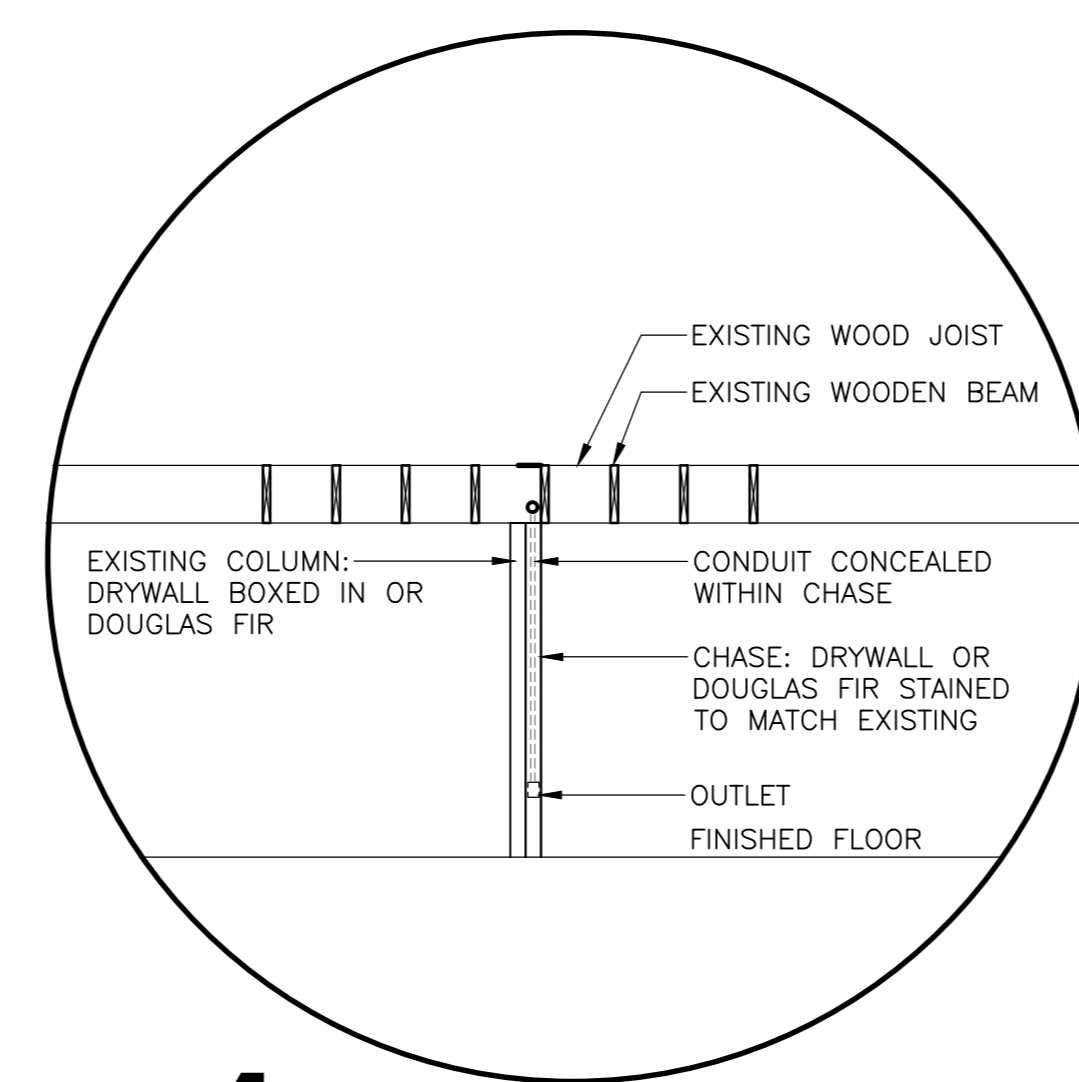
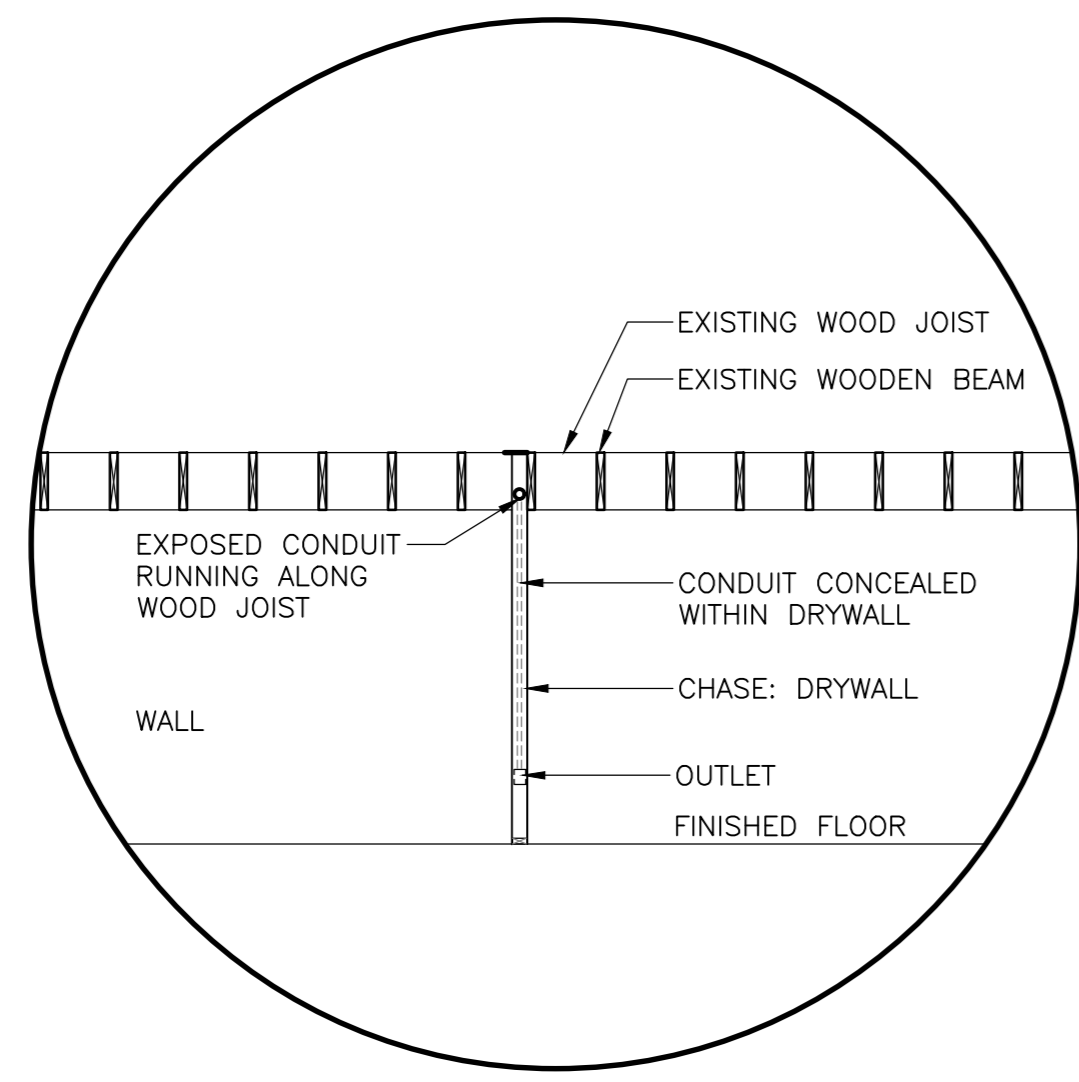
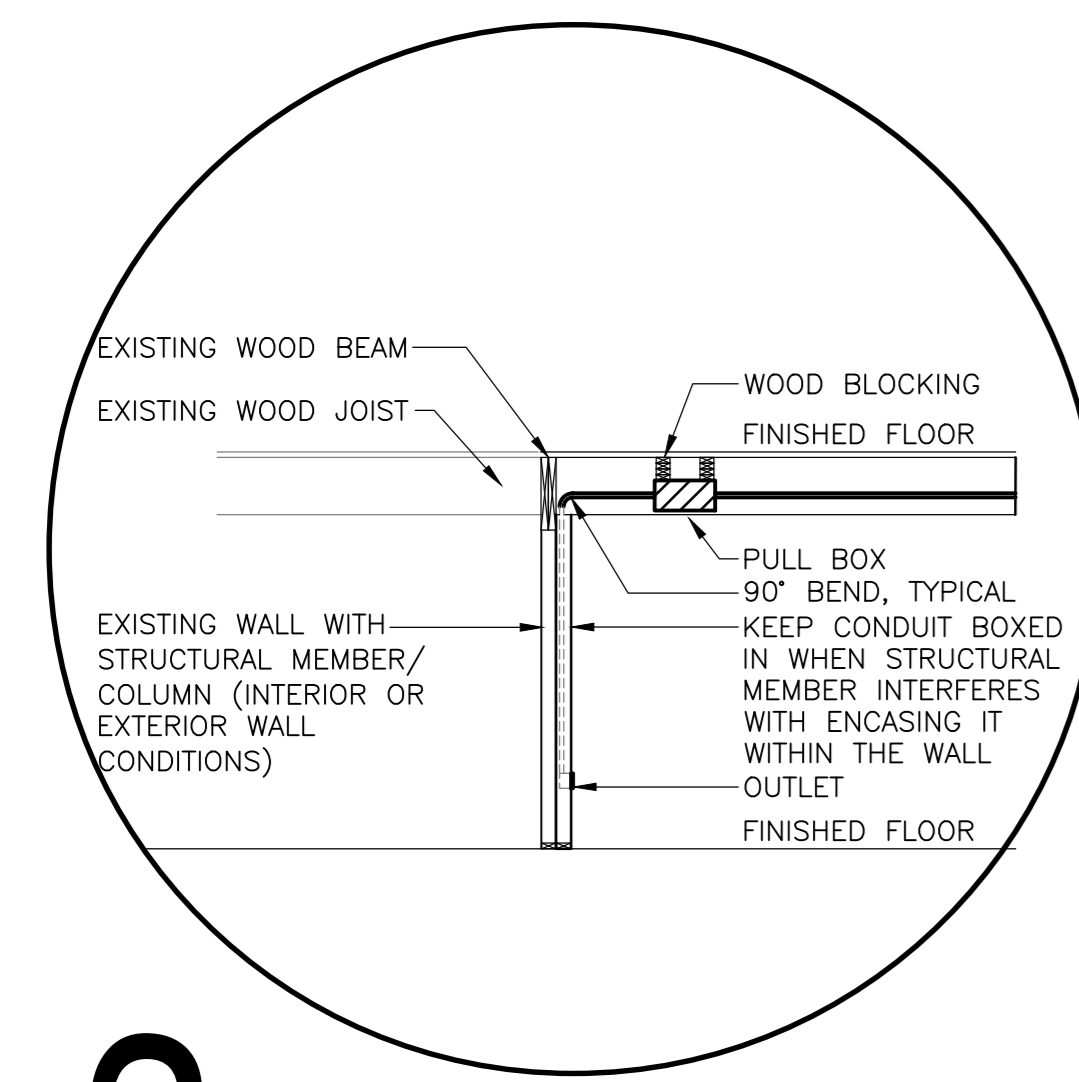


1a CONDITION: CONDUIT CONCEALED IN THE WALL WHEN: WHENEVER POSSIBLE FINISHES: PB-BOX AND EXPOSED CONDUIT TO BE PAINTED BLACK WHEN CROSSING OVER AND/OR RUNNING PARALLEL TO BEAMS

1b CONDITION: CONDUIT CONCEALED IN THE WALL WHEN: WHENEVER POSSIBLE FINISHES: PB-BOX AND EXPOSED CONDUIT TO BE PAINTED BLACK WHEN CROSSING OVER AND/OR RUNNING PARALLEL TO BEAMS

1c CONDITION: CONDUIT CONCEALED IN THE WALL WHEN: WHENEVER POSSIBLE FINISHES: PB-BOX AND EXPOSED CONDUIT TO BE PAINTED BLACK WHEN CROSSING OVER AND/OR RUNNING PARALLEL TO BEAMS

2 CONDITIONS: EXPOSED CONDUITS AND PB-BOXES WHEN: MINIMIZE OCCURRENCE FINISH: PAINT CONDUITS AND PB-BOXES BLACK

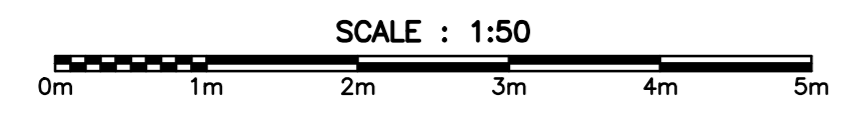


3 CONDITION: CONDUIT/VERTICAL BOXED IN DRYWALL WHEN: STRUCTURAL MEMBER INTERFERENCE, WITHIN THE WALL FINISHES: PAINT VERTICAL DRYWALL CHASE TO MATCH THE EXISTING WALL COLOUR PAINT

4 CONDITION: CONDUIT/VERTICAL BOXED IN (DRYWALL OR DOUGLAS FIR) WHEN: NEXT TO BOXED IN COLUMN (DRYWALL) OR WOOD COLUMN FINISHES: PAINT VERTICAL DRYWALL CHASE TO MATCH THE EXISTING WALL COLOUR PAINT OR IF ADJACENT TO WOODEN COLUMN - USE DOUGLAS FIR TO BOX IT IN. MATCH THE EXISTING WOOD COLOUR/STAIN

5 CONDITIONS: BULKHEAD WHEN: CONDUITS RUNNING HORIZONTALLY ADJACENT TO DRYWALL SURFACES FINISH: DRYWALL. COLOUR TO MATCH EXISTING WALL/CEILING.

1 TELECOM CONDUITS / NEW: CONCEALMENT OPTIONS
 SCALE: 1:50

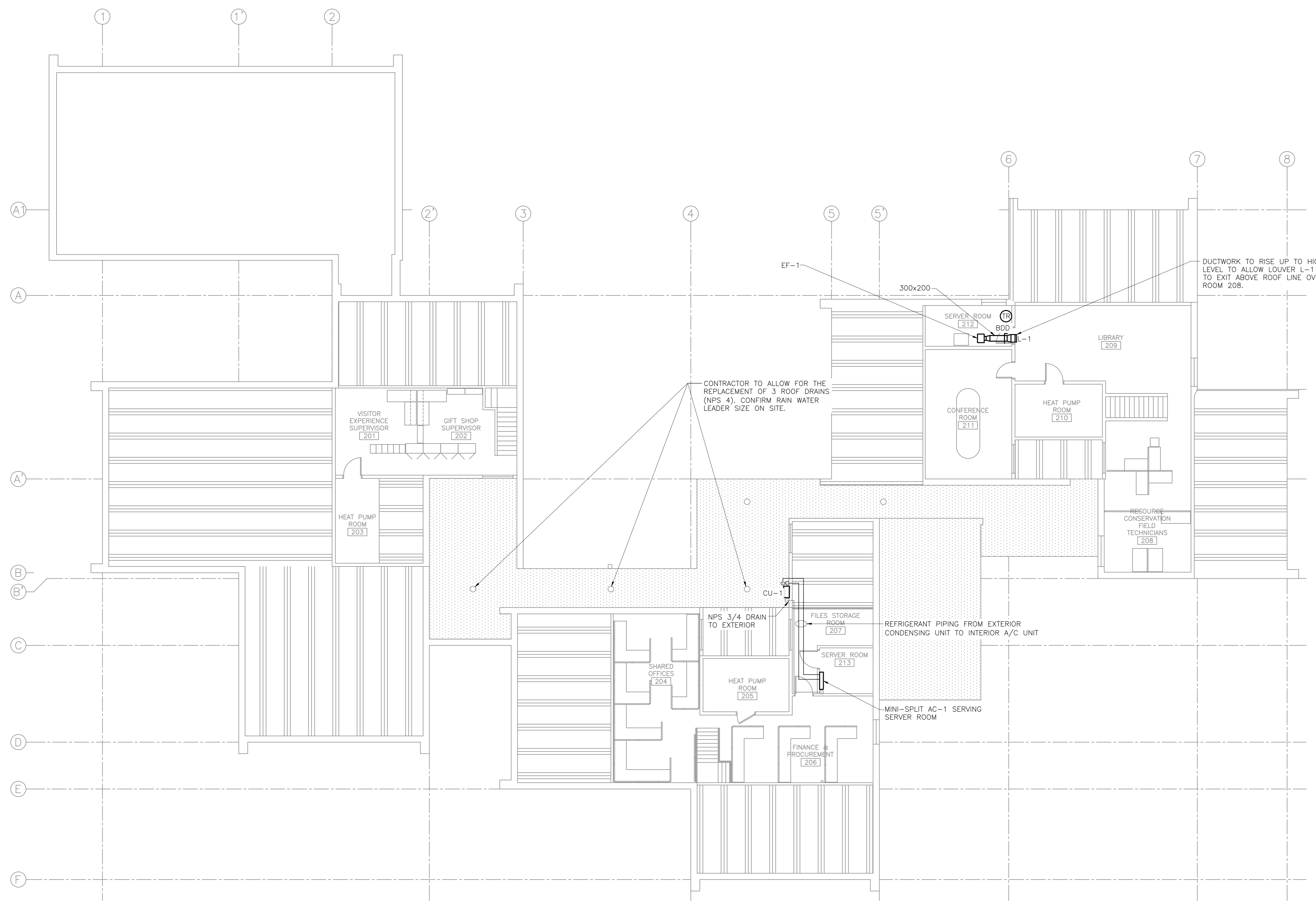


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project FACILITY REHABILITATION
 KOUCHIBOUGUAC
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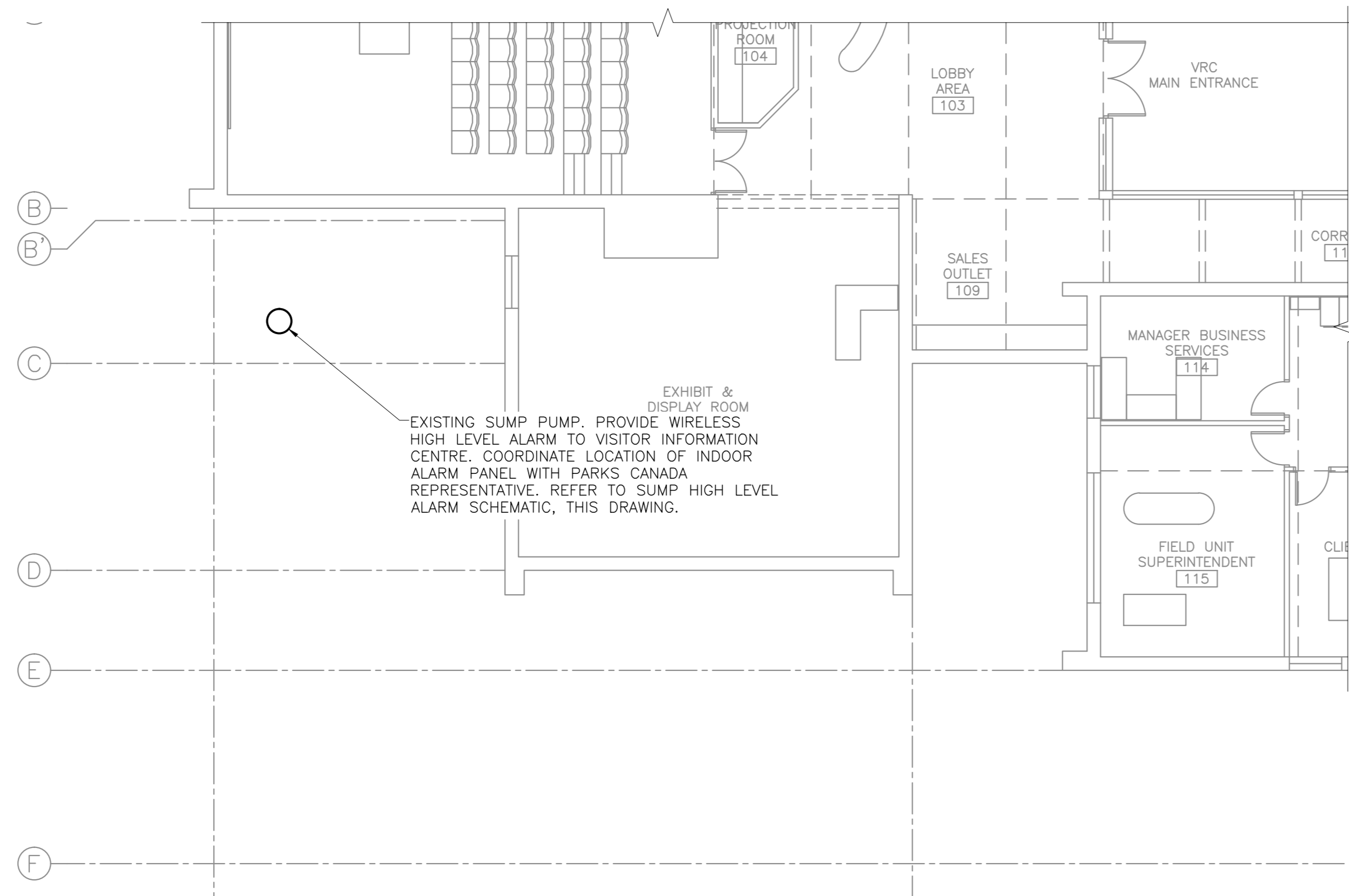
drawing VISITOR INFORMATION
 CENTRE
 TELECOM CONDUITS

designed Ekistics Planning & Design
 date
 drawn
 date
 approved
 date
 Tender Submission
 PWSC Project Manager Administrateur de projets TPSC
 project number 1848-954
 drawing no. A-502



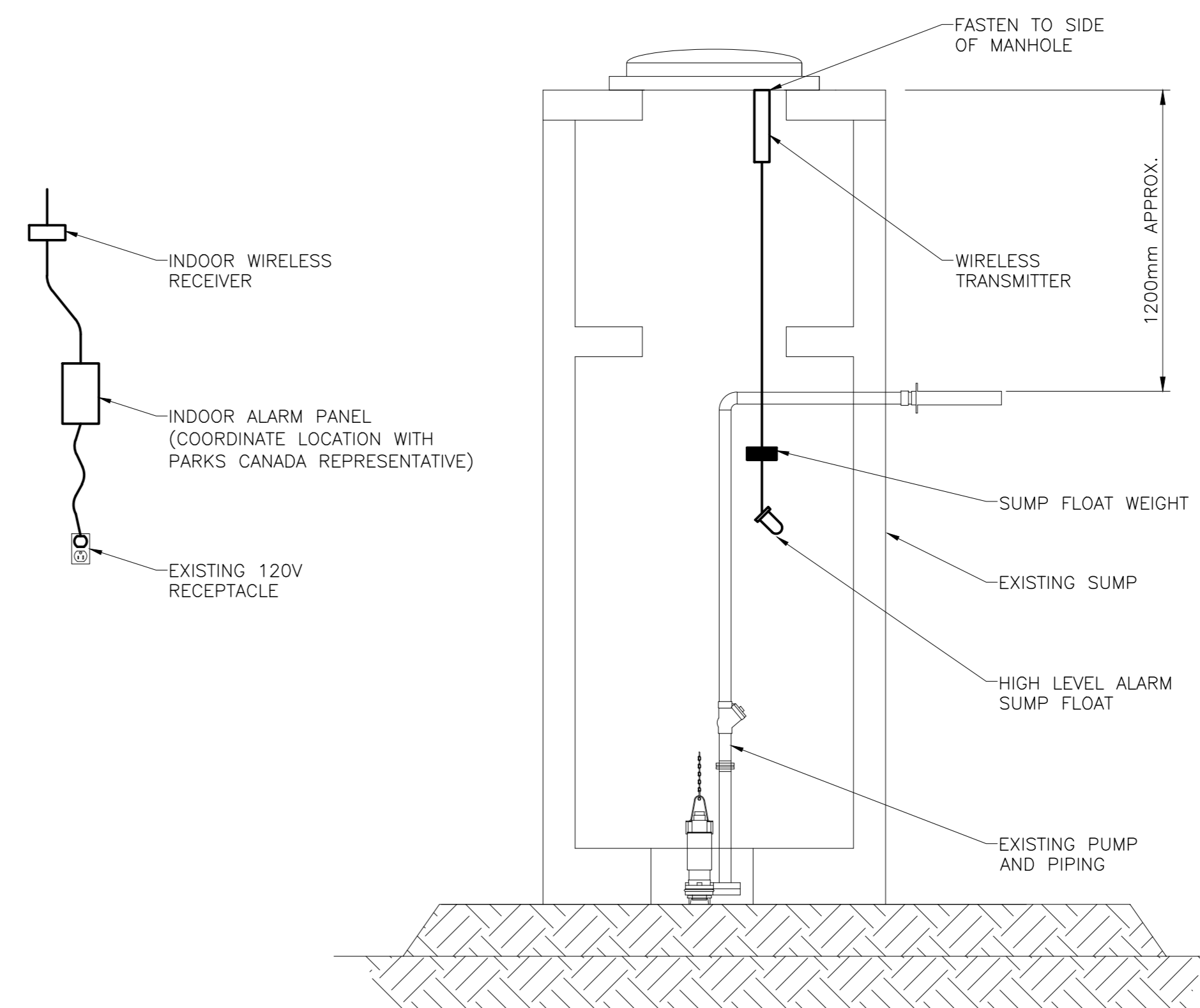
SECOND FLOOR PLAN VENTILATION

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



PARTIAL FIRST DOMESTIC SERVICES

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



SUMP HIGH LEVEL ALARM SCHEMATIC

SCALE: N.T.S.

VENTILATION LEGEND	SYMBOL
FRESH AIR \ SUPPLY AIR	☒
EXHAUST AIR \ RETURN AIR	☐
BALANCING DAMPER	Bd
BACKDRAFT DAMPER	↳ BDD
EXHAUST AIR	EA
RETURN AIR	RA
SUPPLY AIR	SA
FRESH AIR	FA
REVERSE ACTING T'STAT	Ⓜ
GRILLE/DIFFUSER	⊖ XXX
AIR FLOW (l/s)	→

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

INDOOR UNIT (AC-1)						OUTDOOR CONDENSING SECTION (CU-1)								
No.	LOCATION	AIR FLOW RATE (l/s)	TOTAL COOLING (kW)	MOTOR CAPACITY (AMPS)	REFRIG. PIPE SIZES (LIQ-SUC)	ELECT. SUPPLY FROM OUTDOOR UNIT	No.	LOCATION	SOUND PRESSURE LEVEL (COOLING)	REFRIG. PIPE SIZES (LIQ-SUC)	MCA	MOP	ELECT. SUPPLY	REMARKS
AC-1	COMMS	200	5.27	1.0	1/4 - 3/8	120/1/60	CU-1	EXTERIOR WALL	47 dB (A)	1/4 - 1/2	11	15	208/1/60	LOW AMBIENT -40°C

REMARKS:
 1. PROVIDE PIPE SLEEVES THROUGH WALL.
 2. REFRIGERANT PIPING TO BE INSULATED.
 3. PROVIDE BRACKET(S) FOR MOUNTING OUTDOOR UNIT (CU-1) ON WALL. BRACKETS TO BE GALVANIZED.
 4. C/W CONDENSATE PUMP.

LOUVER & WALL CAP SCHEDULE

No.	SERVICES	OVERALL SIZE WIDTH x HEIGHT (mm)	VELOCITY (m/s)	REMARKS
L-1	ROOM 212-EXHAUST	400 x 400	3.0	C/W FLANGE MOUNT

NOTES:

FAN SCHEDULE

No.	LOCATION	TYPE	AIR FLOW RATE (L/S)	STATIC PRESSURE (Pa)	FAN (RPM)	MOTOR CAPACITY (W)	ELECT. SUPPLY VOLTS PHASE	REMARKS
EF-1	ROOM 212	CEILING CABINET	190	63	969	151	120 1	C/W BACK DRAFT DAMPER



1	RE-ISSUED FOR TENDER	FEB. 21 2018
0	ISSUED FOR TENDER	JAN. 31 2018

Facility Rehabilitation
 Kouchibouguac National Park
 Kouchibouguac, New Brunswick

VISITOR INFORMATION CENTRE MECHANICAL FLOOR PLANS AND SCHEMATICS

designed	K.M.	conçu
date	FEBRUARY 21, 2018	
drawn	R.A.	dessiné
date	FEBRUARY 21, 2018	
approved	K.M.	approuvé
date	FEBRUARY 21, 2018	
Tender	Submission	
Project Manager	Administrateur de projets	TS/SC
project number	no. du projet	
drawing no.	no. du dessin	

LUMINAIRE SCHEDULE				
TYPE	VOLTAGE	LAMP	DESCRIPTION	CATALOGUE NUMBER
A	120	LED 4000K	150mm ϕ LED DOWNLIGHT SUITABLE FOR MOUNTING IN IMPERIAL T-BAR CEILING, GYPSUM BOARD OR LINEAR METAL CEILING. SEMI SPECULAR REFLECTOR, POLISHED INTEGRAL FLANGE, WIDE BEAM SPREAD, 120V DRIVER, APPROX. 1000 LUMENS	PHILIPS CAT.# C6L10NUVBZ10V, C6L1520DL40KWCCDPVB PORTFOLIO CAT.# LDEB100D10 EU6B1020B040 6L6W1H GOTHAM (LITHONIA) CAT.# EVO 40/10 6AR WD LSS 120
B	120	LED 4000K	APPROX. 65 x 1220mm FROSTED LENSED LED STRIPLIGHT FIXTURE, 120V DRIVER. CHAIN HANGING KITS AS REQUIRED. 3000-3900 LUMENS.	PHILIPS CAT.# LF4FR3940UDZT CHAIN HANGING KIT (AS REQUIRED); FKR-126 METALUX CAT.# 45NLED-LD4-34SL-LN-UNV-LB40-CD1-U CHAIN HANGING KIT (AS REQUIRED); ATC-CHAIN/SET ACUTY CAT.# ZL2N L48 3000LM MDD MVOLT 40K 80CRI WH CHAIN HANGING KIT (AS REQUIRED); HC36
B1	120	LED 4000K	SAME AS TYPE 'B' EXCEPT APPROX. 2000 LUMENS	PHILIPS CAT.# LF4FR2040UDZT CHAIN HANGING KIT (AS REQUIRED); FKR-126 METALUX CAT.# 45NLED-LD4-20SL-LN-UNV-LB40-CD1-U CHAIN HANGING KIT (AS REQUIRED); ATC-CHAIN/SET ACUTY CAT.# ZL2N L48 2000LM MDD MVOLT 40K 80CRI WH CHAIN HANGING KIT (AS REQUIRED); HC36
C	120	LED 4000K	APPROX. 50 x 1220mm CABLE SUSPENDED LED LINER FIXTURE, SILK WIDE THROW LENS, 75% DIRECT, 25% INDIRECT, 3400 LUMENS/4FT, BLACK FINISH c/w BLACK END CAPS. SUSPENSION AND POWERFEED LENGTHS VARY. CONTRACTOR TO CONFIRM ON SITE. SUSPEND TO 2440mm AFF UNLESS OTHERWISE NOTED. CABLE MOUNT: NON-ACCESSIBLE SLOPE MOUNT 0-90°	PHILIPS CAT.# 2206LAELQ041EB-SB. MOUNT TYPE: A3 OR APPROVED EQUAL
C1	120	LED 4000K	SAME AS TYPE 'C' EXCEPT 1830mm LONG	PHILIPS CAT.# 2206LAELQ061EB-SB. MOUNT TYPE: A3 OR APPROVED EQUAL
C2	120	LED 4000K	SAME AS TYPE 'C' EXCEPT 2440mm LONG	PHILIPS CAT.# 2206LAELQ081EB-SB. MOUNT TYPE: A3 OR APPROVED EQUAL
C3	120	LED 4000K	SAME AS TYPE 'C' EXCEPT 2440mm LONG AND COMPLETE WITH 0-10V DIMMING DRIVER.	PHILIPS CAT.# 2206LAELQ081EB-SB. MOUNT TYPE: A3 OR APPROVED EQUAL
K	120	LED 4000K	APPROX. 50 x 1220mm SURFACE MOUNTED LED LINER FIXTURE, SILK WIDE THROW LENS, 2600 LUMENS/4FT, BLACK FINISH c/w BLACK END CAPS.	PHILIPS CAT.# 2201LAGLN041EB-SB OR APPROVED EQUAL
K1	120	LED 4000K	SAME AS TYPE 'K' EXCEPT APPROX. 1300 LUMENS	PHILIPS CAT.# 2201LAGLN041EB-SB OR APPROVED EQUAL
K2	120	LED 4000K	SAME AS TYPE 'K' EXCEPT 1830mm LONG	PHILIPS CAT.# 2201LAGLN061EB-SB OR APPROVED EQUAL
K3	120	LED 4000K	SAME AS TYPE 'K' EXCEPT 2440mm LONG	PHILIPS CAT.# 2201LAGLN081EB-SB OR APPROVED EQUAL
K4	120	LED 4000K	APPROX. 50 x 1220mm WALL MOUNT LED LINER FIXTURE, SILK WIDE THROW LENS LOWER OPTIC, ASYMMETRIC WIDE THROW UPPER OPTIC, 75% DIRECT, 25% INDIRECT, 3400 LUMENS/4FT, BLACK FINISH c/w BLACK END CAPS.	PHILIPS CAT.# 2226LAELW041EB-SB OR APPROVED EQUAL
M	120	LED 4000K	TWO CIRCUIT TRACK WITH 10 LED TRACK LIGHT FIXTURES AND 14 REFLECTORS. PROVIDE 4 LED FIXTURES AT 1000 LUMENS WITH ELV DIMMING. PROVIDE 6 LED FIXTURES AT 2000 LUMENS WITH ELV DIMMING. PROVIDE 8 36° FLOOD REFLECTORS. PROVIDE 4 24° NARROW FLOOD REFLECTORS. PROVIDE 2 18° SPOT REFLECTORS. REFLECTORS MUST BE INTERCHANGEABLE BETWEEN 1000 AND 2000 LUMEN FIXTURES. TRACK TO BE TWO CIRCUIT INDIVIDUALLY CONTROLABLE AND RUN FULL LENGTH OF THE TRUSS. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL COMPONENTS MUST BE BLACK COLOUR.	PHILIPS CAT.# 1000 LUMEN FIXTURE: LLAV1140BK 2000 LUMEN FIXTURE: LLAV2040BK 36° FLOOD REFLECTOR: LLAV11RF 24° NARROW FLOOD REFLECTORS: LLAV11RF 18° SPOT REFLECTORS: LLAV11RS TRACK: LIGHTOLIER 6100 SERIES OR APPROVED EQUAL
N	120	LED 4000K	1220mm LED UNDER CABINET LUMINAIRE, 120V DRIVER, MINIMUM 1000 LUMENS PER METER, WHITE c/w ALL BRACKETS, END CAPS AND CONDUIT CONNECTOR KITS AS REQUIRED. PROVIDE FACTORY CONNECTOR CORDS BETWEEN FIXTURES. LENGTHS TO BE DETERMINED ON SITE. LITHONIA PRODUCTS: USE TWO 610mm LONG FIXTURES TO EQUAL 1220mm.	PHILIPS CAT.# 523-000027-53 HALO CAT.# HU1048D940P, HU109 LITHONIA CAT.# UCLD 24IN 40K 90CRI WH

OCCUPANCY SENSOR SCHEDULE		
TYPE	DESCRIPTION	CATALOGUE NUMBER
1	PIR/ULTRASONIC MULTI-TECHNOLOGY TYPE SENSOR, CEILING MOUNTED, 120V, WHITE, 360° FIELD OF VIEW, ADJUST SENSOR COVERAGE ON SITE TO HAVE 93m ² COVERAGE MAX (ULTRASONIC)	LEVITON CAT.# 03C10-MDW HUBBELL CAT.# OMNIDT2000BP1277 GREENGATE CAT.# OAC-DT-2000-MV
2	PIR TYPE SENSOR, WALL MOUNTED, 180° FIELD OF VIEW, 120V, WHITE. SET TO MANUAL ON UNLESS OTHERWISE NOTED.	LEVITON CAT.# ODS10-ID HUBBELL CAT.# LHIRD2 LUTRON CAT.# MS SERIES

LIGHTING LEGEND	
SYMBOL	DESCRIPTION
	SINGLE POLE LINE VOLTAGE LIGHT SWITCH 'o' INDICATES FIXTURE SWITCHED
	DOUBLE POLE LINE VOLTAGE LIGHT SWITCH 'b' INDICATES FIXTURE SWITCHED
	THREE WAY LINE VOLTAGE LIGHT SWITCH, 'c' INDICATES FIXTURE SWITCHED
	FOUR WAY LINE VOLTAGE LIGHT SWITCH, 'd' INDICATES FIXTURE SWITCHED
	0-10V SLIDE TO OFF DIMMER SWITCH, 'e' INDICATES FIXTURE SWITCHED
	FOUR SCENE SELECTOR SWITCH, 'f' INDICATES FIXTURE SWITCHED
	SCENE CONTROL PANEL, 'g' INDICATES FIXTURE SWITCHED
	DIMMING INTERFACE SUITABLE FOR CONTROLLING: 0-10V LOADS AND OR REVERSE PHASE CONTROL LOADS. LUTRON CAT.# GRX-10V
	CEILING MOUNT OCCUPANCY SENSOR
	WALL MOUNT OCCUPANCY SENSOR
	610x1220mm LIGHT FIXTURE, 'B' INDICATES TYPE
	1220mm STRIP OR SUSPENDED LIGHT FIXTURE, 'C' INDICATES FIXTURE TYPE.
	1830mm STRIP OR SUSPENDED LIGHT FIXTURE, 'C1' INDICATES FIXTURE TYPE.
	2440mm STRIP OR SUSPENDED LIGHT FIXTURE, 'C2' INDICATES FIXTURE TYPE.
	1220mm LIGHT FIXTURE, 'D' INDICATES FIXTURE TYPE.
	RECESSED POT LIGHT OR SUSPENDED LIGHT FIXTURE 'E' INDICATES FIXTURE TYPE.
	SURFACE MOUNT LIGHT FIXTURE 'G' INDICATES FIXTURE TYPE
	TRACK LIGHTING, NUMBER OF HEADS AS INDICATED ON DRAWINGS 'J' INDICATES FIXTURE TYPE
	WALL MOUNTED LIGHT FIXTURE
	STEP MOUNT LIGHT FIXTURE
	LIGHTING/POWER PANEL
'E'	'E' INDICATES EXISTING TO REMAIN.
'D'	'D' INDICATES EXISTING TO BE REMOVED. REMOVE WIRING BACK TO SOURCE.

POWER LEGEND	
SYMBOL	DESCRIPTION
	15A, 120V DUPLEX RECEPTACLE 'S' - INDICATES LOCATED IN SYSTEM FURNITURE 'GFCI' - INDICATES GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE 'WP' - INDICATES WEATHERPROOF 5-20R - INDICATES CSA CONFIGURATION 5-20R
	20A, 120V DUPLEX RECEPTACLE, CSA CONFIGURATION 5-20R, MOUNTED ABOVE COUNTER
	20A, 120V GFCI DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	RANGE OUTLET
	15A, 120V DUPLEX RECEPTACLE FLOOR MOUNTED
	SYSTEMS FURNITURE FEED
	15A, 120V QUAD RECEPTACLE
	TWO COMPARTMENT INDOOR SERVICE POLE
	DIRECT CONNECTION
	SINGLE PHASE MOTOR CONNECTION
	DISCONNECT SWITCH, SUPPLIED BY ELECTRICAL CONTRACTOR
	MANUAL MOTOR STARTER WITH OVERLOADS
	REVERSE ACTING THERMOSTAT, PROVIDED BY MECHANICAL, WIRED BY ELECTRICAL
	LIGHTING/POWER PANEL
'E'	'E' INDICATES EXISTING TO REMAIN.
'D'	'D' INDICATES EXISTING TO BE REMOVED. REMOVE AND REPLACE.
'R'	'R' INDICATES EXISTING TO BE REPLACED. REUSE EXISTING WIRING.

GENERAL NOTE	
REFER TO ARCHITECTURAL DRAWINGS FOR CONDUIT CONCEALMENT DETAILS.	

COMMUNICATION	
SYMBOL	DESCRIPTION
	300mm WIDE LADDER RACK
	BASKET TRAY, 100mm HIGH SIDES, WIDTH AS INDICATED ON DRAWING
	VOICE/DATA OUTLET BOX, 27mm CONDUIT (UNLESS OTHERWISE NOTED) TO COMMS ROOM, PULL BOX OR TRAY c/w PULL ROPE 'M' - INDICATES MOUNTED IN MILLWORK
	VOICE/DATA OUTLET BOX LOCATED IN SYSTEM FURNITURE, N.I.C.
	FLOOR MOUNT VOICE/DATA OUTLET BOX, 27mm CONDUIT TO COMMS ROOM OR PULL BOX c/w PULL ROPE & 33mm CONDUIT TO LOCAL VOICE/DATA OUTLET c/w PULL ROPE
	CEILING MOUNT VOICE/DATA OUTLET BOX, 27mm CONDUIT TO FLOOR BOX c/w PULL ROPE
	T.V. OUTLET
	TWO COMPARTMENT INDOOR SERVICE POLE
	AIPHONE INTERCOM
	GROUND BUS
	INDICATES MOUNT ABOVE COUNTER AT 1220mm AFF.
	1 27mm 2 41mm 3 53mm 4 103mm

COMMUNICATION PULL BOX SIZING			
PULL BOX	WIDTH	LENGTH	DEPTH
	100mm (8")	400mm (16")	75mm (3")
	200mm (8")	400mm (16")	100mm (4")
	400mm (16")	686mm (27")	100mm (4")
	400mm (16")	900mm (36")	100mm (4")
	575mm (23")	1525mm (60")	200mm (8")

MOUNT PULL BOXES BETWEEN JOISTS. SURFACE MOUNT TO UNDERSIDE OF JOISTS WHEN PULL BOX EXCEEDS SIZE TO PERMIT MOUNTING BETWEEN JOIST. ENSURE 2000mm BETWEEN PULL BOX AND FLOOR IS MAINTAINED.

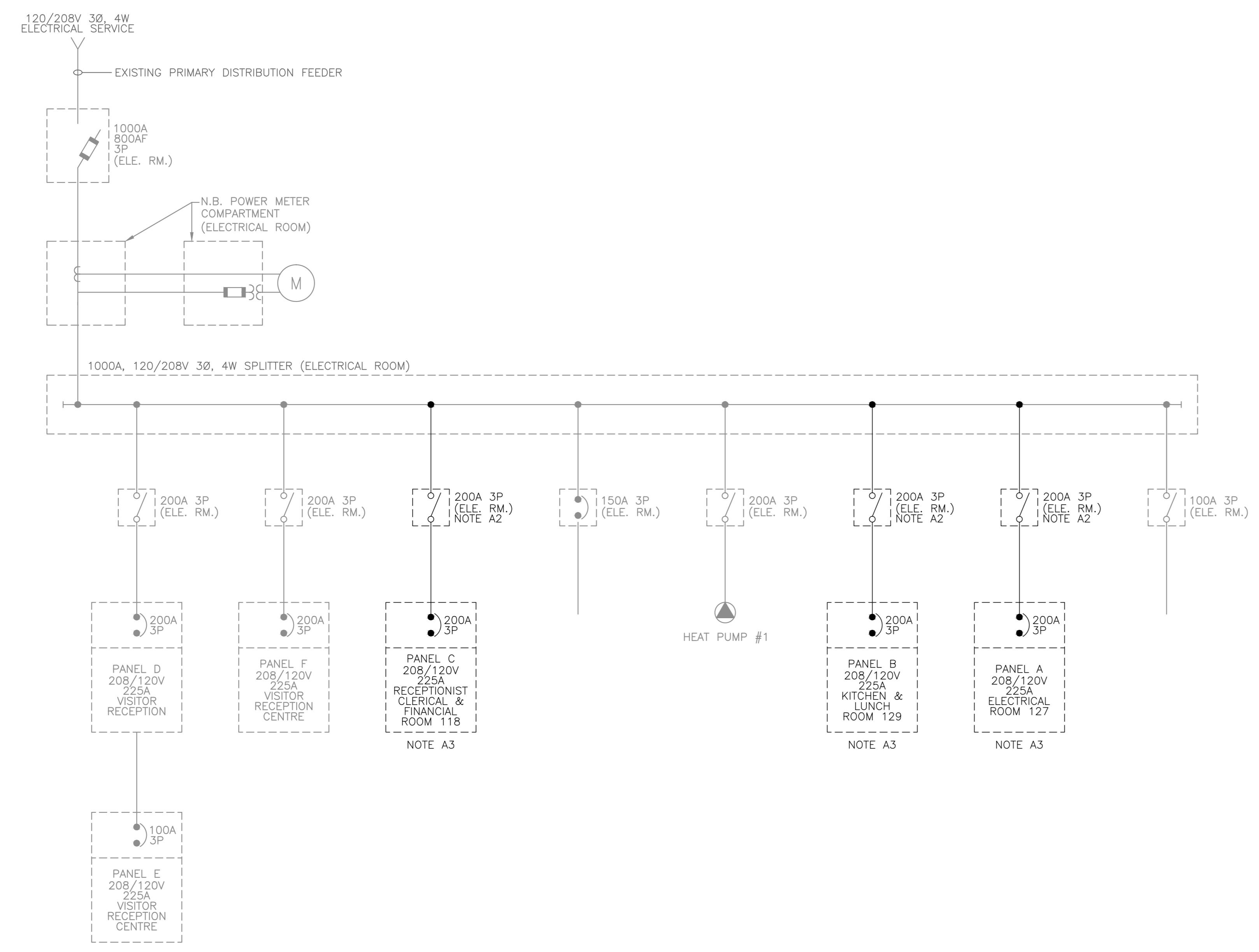


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revisions		date

project
**Facility Rehabilitation
 Kouchibouguac
 National Park
 Kouchibouguac,
 New Brunswick**

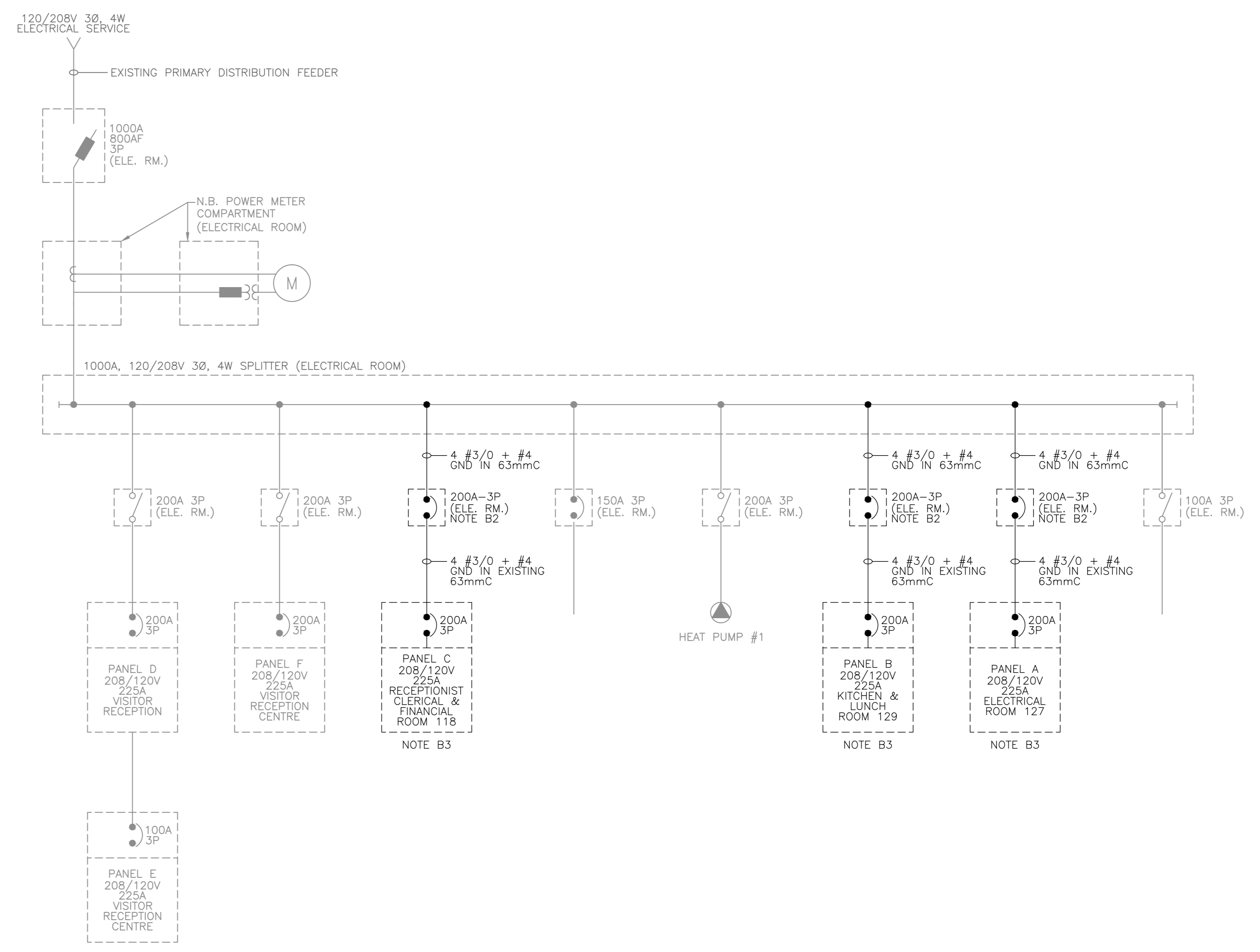
drawing
**VISITOR INFORMATION CENTRE
 LEGENDS AND
 FIXTURE SCHEDULES**

designed M.P.	conçu
date FEBRUARY 21, 2018	
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drawing no.	no. du dessin
E-101	



DECONSTRUCTION SINGLE LINE DIAGRAM

DECONSTRUCTION NOTES	
A1	EXISTING DISTRIBUTION SYSTEM TO REMAIN UNLESS OTHERWISE NOTED.
A2	REMOVE EXISTING DISCONNECT SWITCHES FEEDING PANELS A, B, C AND ASSOCIATED FEEDER CABLES FROM SPLITTER.
A3	REMOVE EXISTING PANELS A, B, C AND ASSOCIATED FEEDER CABLES FROM DISCONNECT SWITCHES.
A4	REMOVE ALL WIRING AND CONDUIT MADE REDUNDANT BY DECONSTRUCTION WORK.



REVISED SINGLE LINE DIAGRAM

NOTES	
B1	EXISTING DISTRIBUTION SYSTEM TO REMAIN UNLESS OTHERWISE NOTED.
B2	PROVIDE ENCLOSED CIRCUIT BREAKERS FOR PANELS A, B, AND C AS INDICATED. EACH CIRCUIT BREAKER SHALL BE RATED 200A-3P, 25kAC AT 208VAC AND SHALL INCLUDE INTEGRAL 200A NEUTRAL BLOCK. MODIFY CONDUIT TO FACILITATE INSTALLATION OF ENCLOSED CIRCUIT BREAKERS.
B3	PROVIDE PANELS A, B AND C AS INDICATED. REFER TO PANEL SCHEDULES FOR DETAILS.
B4	MODIFY CONDUIT AS REQUIRED TO FACILITATE THE INSTALLATION OF ENCLOSED CIRCUIT BREAKER.



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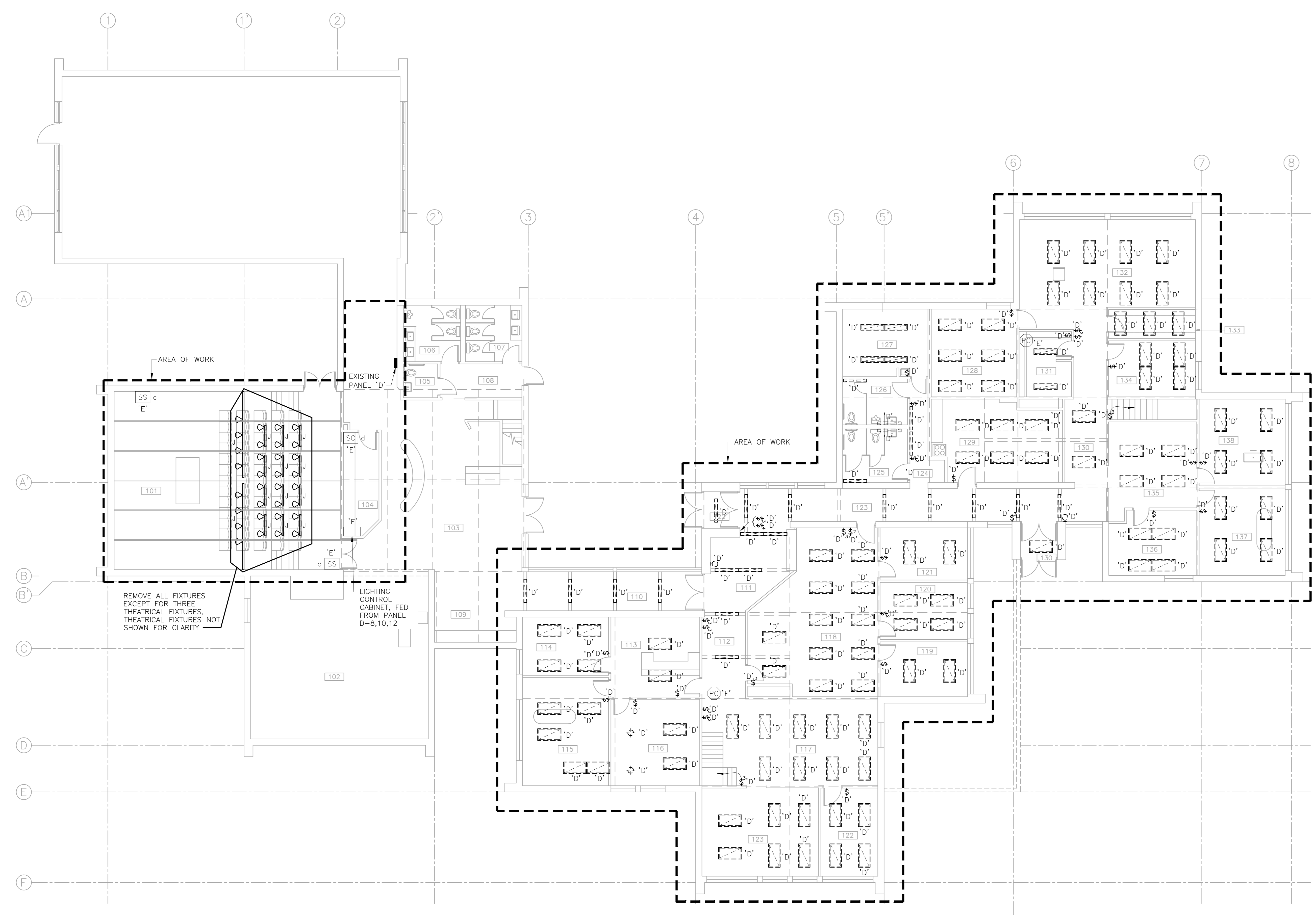
project

Facility Rehabilitation
Kouchibouguac
National Park
Kouchibouguac,
New Brunswick

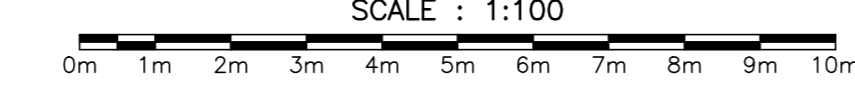
VISITOR INFORMATION CENTRE
DECONSTRUCTION
AND REVISED
SINGLE LINE DIAGRAMS

designed M.P.	conçu
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NOTES	
1	DEMOLITION DRAWINGS ARE BASED ON EXISTING AS-BUILT DRAWINGS AND INFORMATION COLLECTED ON SITE THROUGH VISUAL INSPECTIONS. NOT ALL EXISTING EQUIPMENT AND DEVICES MAY BE SHOWN AND LOCATIONS MAY VARY. CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
2	MAINTAIN AND REUSE EXISTING CONDUIT WHERE POSSIBLE. REMOVE ALL ASSOCIATED WIRE MOLD. REMOVE PATHWAYS MADE REDUNDANT UNDER THIS CONTRACT.



MAIN FLOOR DEMOLITION LIGHTING PLAN
SCALE: 1:100



EKISTICS PLANNING & DESIGN
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amec foster wheeler



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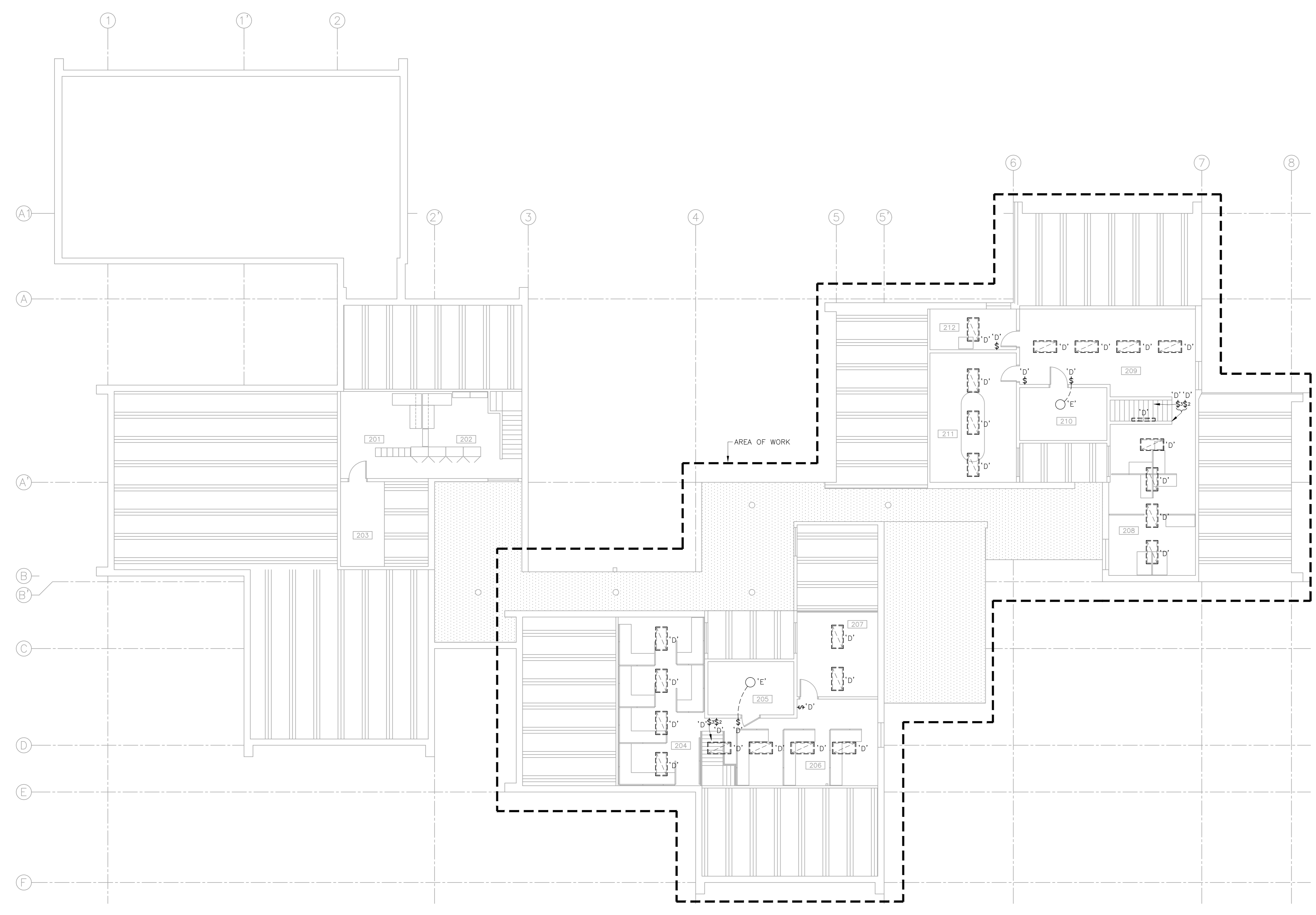
project

Facility Rehabilitation
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National Park
Kouchibouguac,
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E-103

NOTES	
1	DEMOLITION DRAWINGS ARE BASED ON EXISTING AS-BUILT DRAWINGS AND INFORMATION COLLECTED ON SITE THROUGH VISUAL INSPECTIONS. NOT ALL EXISTING EQUIPMENT AND DEVICES MAY BE SHOWN AND LOCATIONS MAY VARY. CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
2	MAINTAIN AND REUSE EXISTING CONDUIT WHERE POSSIBLE. REMOVE ALL ASSOCIATED WIRE MOLD. REMOVE PATHWAYS MADE REDUNDANT UNDER THIS CONTRACT.



SECOND FLOOR DEMOLITION LIGHTING PLAN
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

EKISTICS PLANNING & DESIGN
1 STARR LANE, DARTMOUTH
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Facility Rehabilitation
Kouchibouguac
National Park
Kouchibouguac,
New Brunswick

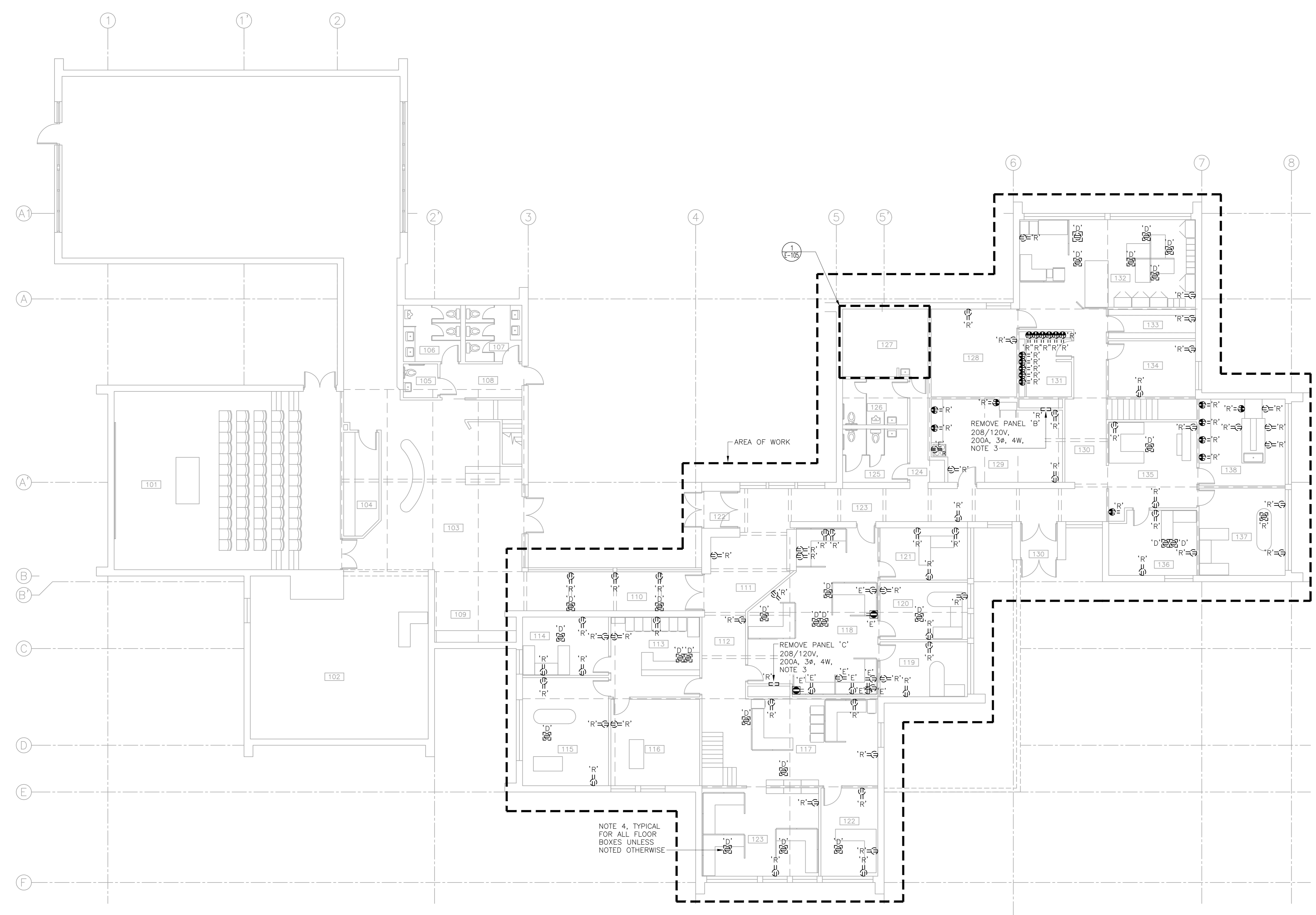
VISITOR INFORMATION CENTRE
SECOND FLOOR
DEMOLITION
LIGHTING PLAN

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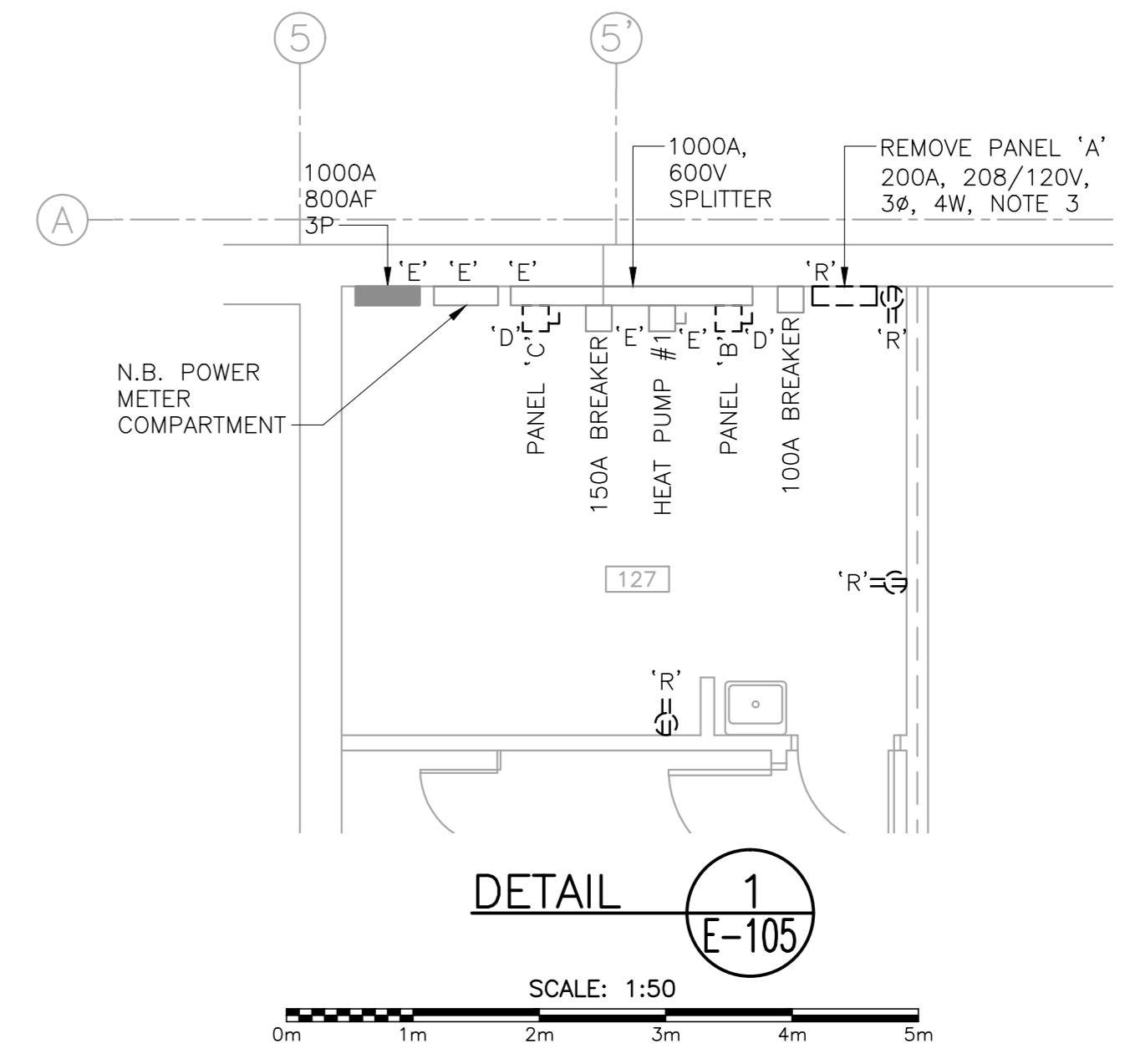
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1	DEMOLITION DRAWINGS ARE BASED ON EXISTING AS-BUILT DRAWINGS AND INFORMATION COLLECTED ON SITE THROUGH VISUAL INSPECTIONS. NOT ALL EXISTING EQUIPMENT AND DEVICES MAY BE SHOWN AND LOCATIONS MAY VARY. CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
2	MAINTAIN AND REUSE EXISTING CONDUIT WHERE POSSIBLE. REMOVE ALL ASSOCIATED WIRE MOLD.
3	MAINTAIN EXISTING BRANCH CIRCUIT WIRING FROM PANELS 'A', 'B' AND 'C' WITH EXCEPTION OF LIGHTING CIRCUITS AND UNLESS NOTED OTHERWISE.
4	REMOVE RECEPTACLES FROM FLOOR BOX. REMOVE CABLING BACK TO SOURCE UNLESS CABLING FEEDS THROUGH TO NEXT DEVICE. SHARED SERVICES TO REMOVE COMMUNICATION CABLING AND OUTLETS. PROVIDE FLUSH MOUNTED BRASS FLOOR PLATE TO FIT OVER EXISTING FLOOR BOX ONCE SHARED SERVICES HAS REMOVED COMMUNICATION OUTLETS AND CABLING. C-ORDINATE WITH PARKS CANADA REPRESENTATIVE.

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 F.I.C. NO.: 198450



MAIN FLOOR DEMOLITION POWER PLAN
 SCALE: 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



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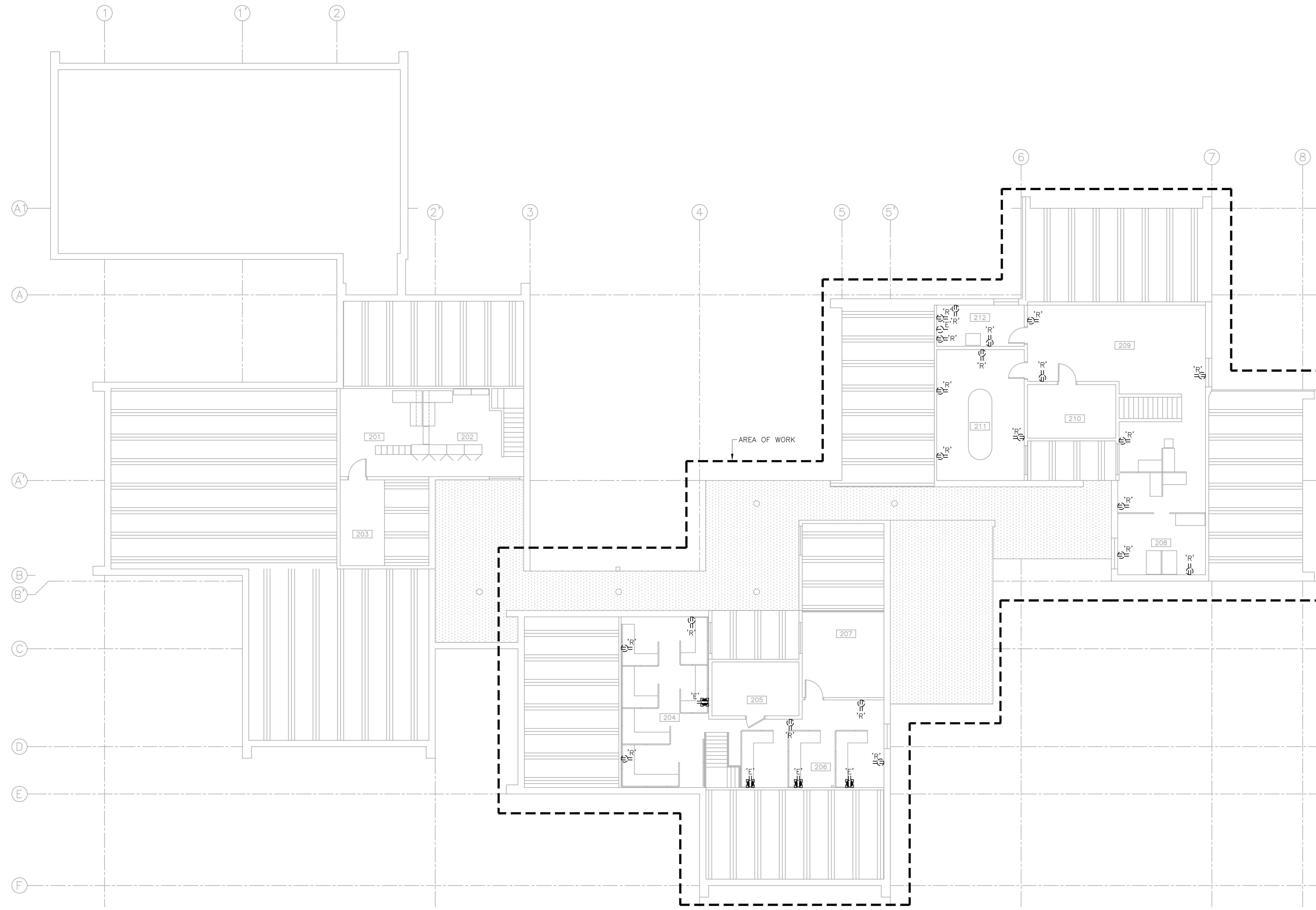
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E-105

NOTES	
1	DEMOLITION DRAWINGS ARE BASED ON EXISTING AS-BUILT DRAWINGS AND INFORMATION COLLECTED ON SITE THROUGH VISUAL INSPECTIONS. NOT ALL EXISTING EQUIPMENT AND DEVICES MAY BE SHOWN AND LOCATIONS MAY VARY. CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK.
2	MAINTAIN AND REUSE EXISTING CONDUIT WHERE POSSIBLE. REMOVE ALL ASSOCIATED WIRE MOLD.
3	MAINTAIN EXISTING BRANCH CIRCUIT WIRING FROM PANELS "A", "B" AND "C" WITH EXCEPTION OF LIGHTING CIRCUITS AND UNLESS NOTED OTHERWISE.



SECOND FLOOR DEMOLITION POWER PLAN
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

EKISTICS PLANNING & DESIGN
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F.N.: 196450



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project
**Facility Rehabilitation
Kouchibouguac
National Park
Kouchibouguac,
New Brunswick**

drawing
**VISITOR INFORMATION CENTRE
SECOND FLOOR
DEMOLITION
POWER PLAN**

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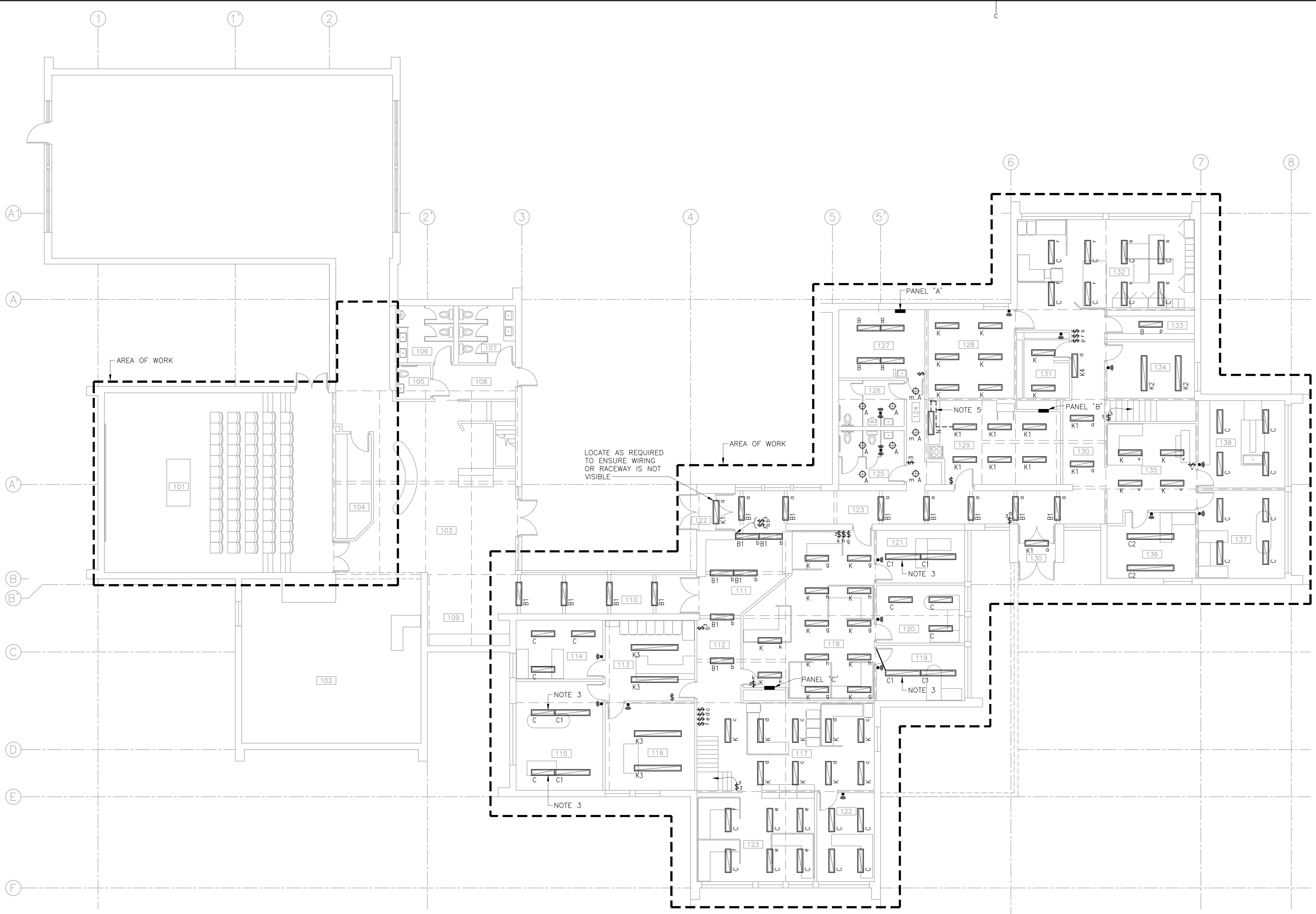
Facility Rehabilitation
 Kouchibouguac National Park
 Kouchibouguac, New Brunswick

VISITOR INFORMATION CENTRE
 MAIN FLOOR LIGHTING PLAN

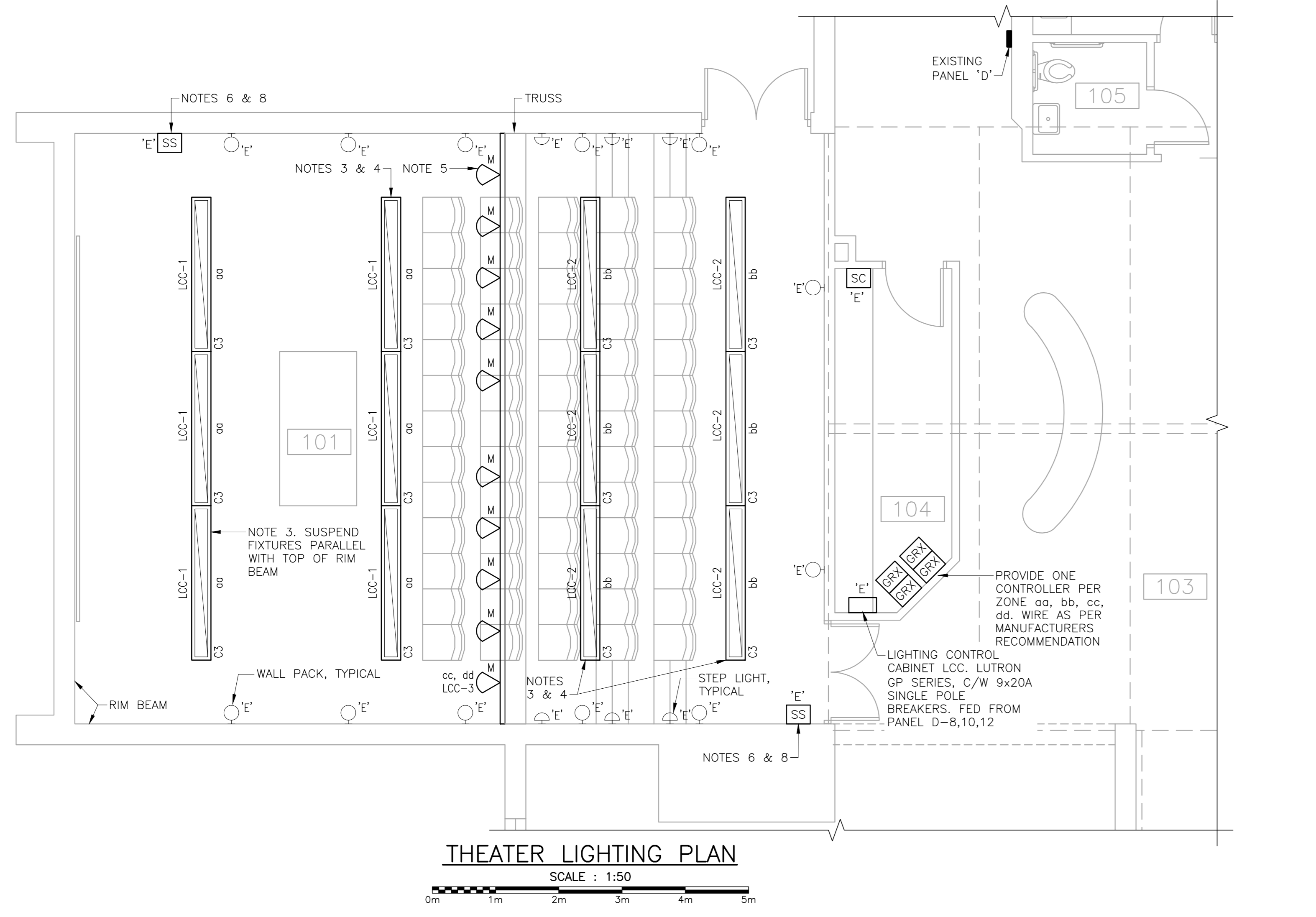
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Tender		Submission
PM/SC Project Manager	Administrateur de projets TPSC	
project number		no. du projet
drawing no.		no. du dessin

NOTES	
1	REUSE EXISTING CIRCUITS. REUSE EXISTING RECESSED CONDUIT AND INSTALL NEW WIRING BACK TO SOURCE, UNLESS INDICATED OTHERWISE.
2	TIE INTO NEAREST JUNCTION BOX. PROVIDE BLACK BLANK COVER PLATES OVER UNUSED JUNCTION BOXES.
3	JOIN LIGHT FIXTURES TO FORM CONTINUOUS ROW AS PER MANUFACTURERS RECOMMENDATIONS.
4	N/A
5	CONDUIT ROUTING: SECURE CONDUIT TO UNDERSIDE OF CABINET. RUN TO NORTH WALL; RUN UP CAVITY BETWEEN CABINET AND NORTH WALL; RUN SOUTH BEHIND UPPER CABINET FACIA; RUN OUT OF FASCIA EXPOSED TO LIGHT FIXTURE.

GENERAL CONDUIT NOTES	
C1	ALL OUTLETS AND VERTICAL CONDUIT RUNS TO BE RECESSED AND CONCEALED UNLESS OTHERWISE NOTED.
C2	SURFACE MOUNT CONDUITS ACCEPTABLE ON ALL EXPOSED CEILINGS. SURFACE MOUNT CONDUITS ACCEPTABLE ON WALLS AS INDICATED ON DRAWINGS.
C3	PAINT CONDUIT AND ASSOCIATED HARDWARE MATT BLACK WHEN RUNNING PARALLEL OR PERPENDICULAR TO EXISTING WOOD STRUCTURE.
C4	PAINT SURFACE MOUNTED CONDUIT AND ASSOCIATED HARDWARE ON WALLS TO MATCH EXISTING WALL COLOUR UNLESS CONDUIT IS FOLLOWING THE EXISTING WOOD STRUCTURE.
C5	PAINT CONDUIT AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION.
C6	FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.



MAIN FLOOR LIGHTING PLAN
 SCALE : 1:100



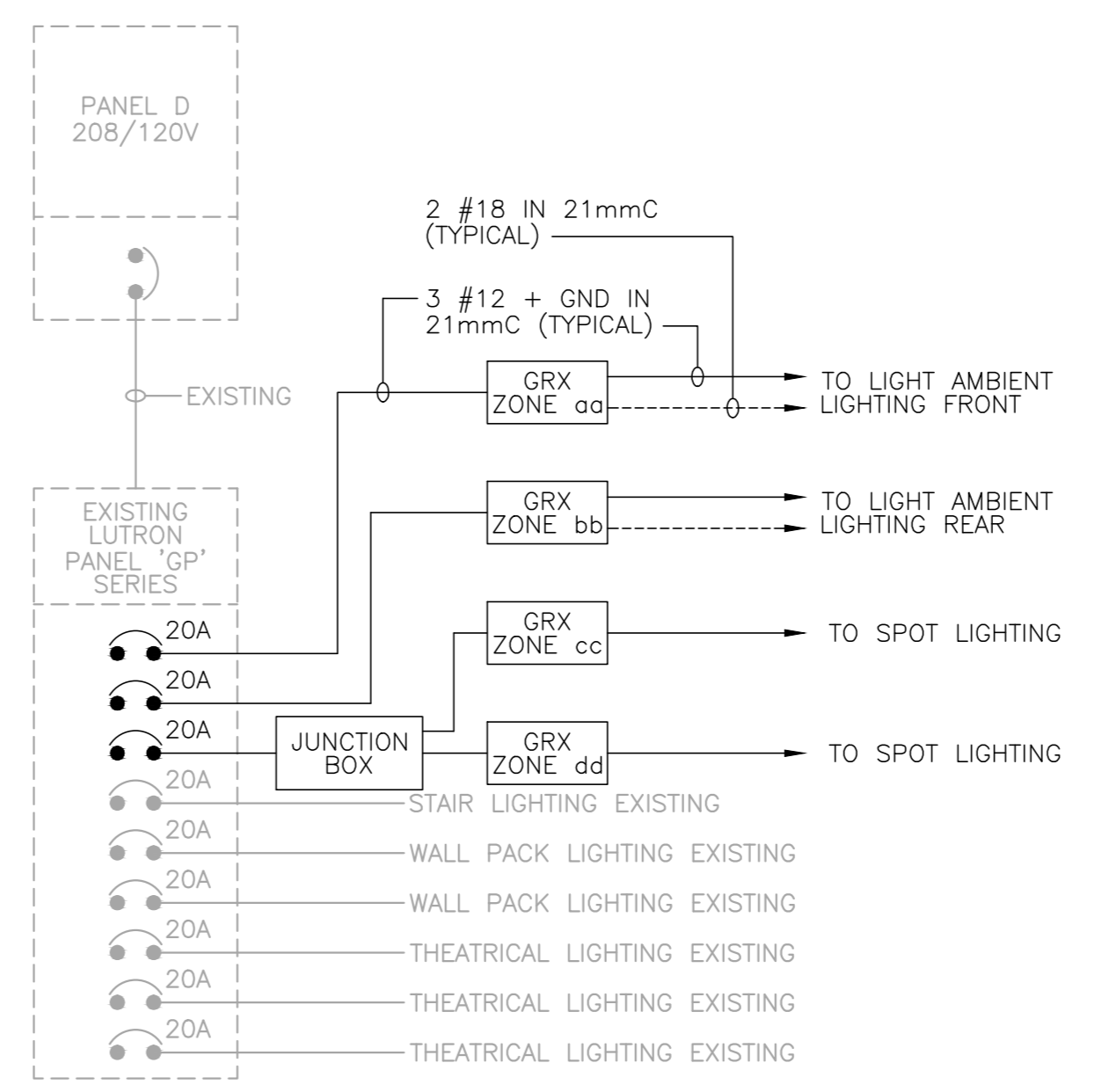
THEATER LIGHTING NOTES

- CONTRACTOR TO VERIFY EXISTING CONDITIONS FOR THE FOLLOWING:
 - A. CONTROL SYSTEM AND QUANTITY OF ZONES AVAILABLE (IN USE AND SPARE). BRING FINDINGS TO PARKS CANADA REPRESENTATIVE PRIOR TO ORDERING CONTROL SYSTEM COMPONENTS.
 - B. IT IS ASSUMED THAT THE EXISTING THEATRICAL LIGHTING IS NOT TIED INTO THE EXISTING CONTROL ZONES AS INDICATED ON THE THEATER ZONE SCHEDULE. IF THEATRICAL LIGHTING IS TIED INTO CONTROL ZONES BRING TO PARKS CANADA REPRESENTATIVE PRIOR TO ORDERING LIGHTING CONTROL SYSTEM COMPONENTS.
- PROVIDE ALL LIGHTING CONTROL SYSTEM COMPONENTS AND WIRING REQUIRED FOR A COMPLETE INSTALLATION. REFER TO DETAIL 1 & 2 ON DRAWING E-107 FOR WIRING DIAGRAM.
- JOIN LIGHT FIXTURES TO FORM CONTINUOUS ROW AS PER MANUFACTURERS RECOMMENDATIONS.
- SUSPEND FIXTURES PARALLEL TO BOTTOM CORD OF TRUSS
- CO-ORDINATE WITH PARKS CANADA REPRESENTATIVE TO OBTAIN PREFERRED FLOOD LIGHTING (FIXTURE TYPE 'M') ARRANGEMENT:
 - SEPARATE FIXTURES ON TWO CONTROL CIRCUITS
 - LOCATION OF 1000 AND 2000 LUMEN OUTPUT FIXTURES
 - ANGLES AND REFLECTORS TYPES
 - TURN UN-USED REFLECTORS OVER TO CLIENT.
- CO-ORDINATE WITH PARKS CANADA REPRESENTATIVE TO PROVIDE 4 LIGHTING CONTROL SCENES AS PER CLIENTS REQUIREMENTS.
- CARRY COST FOR MINIMUM 3 HOURS OF ON SITE COMMISSIONING FROM LUTRON REPRESENTATIVE.
- PROVIDE LAMICOID LABELS ABOVE:
 - SCENE SELECTOR SWITCH TO INDICATE SCENE (TOTAL OF 3)
 - AND SCENE CONTROL PANEL TO INDICATE ZONES.

THEATER ZONE SCHEDULE

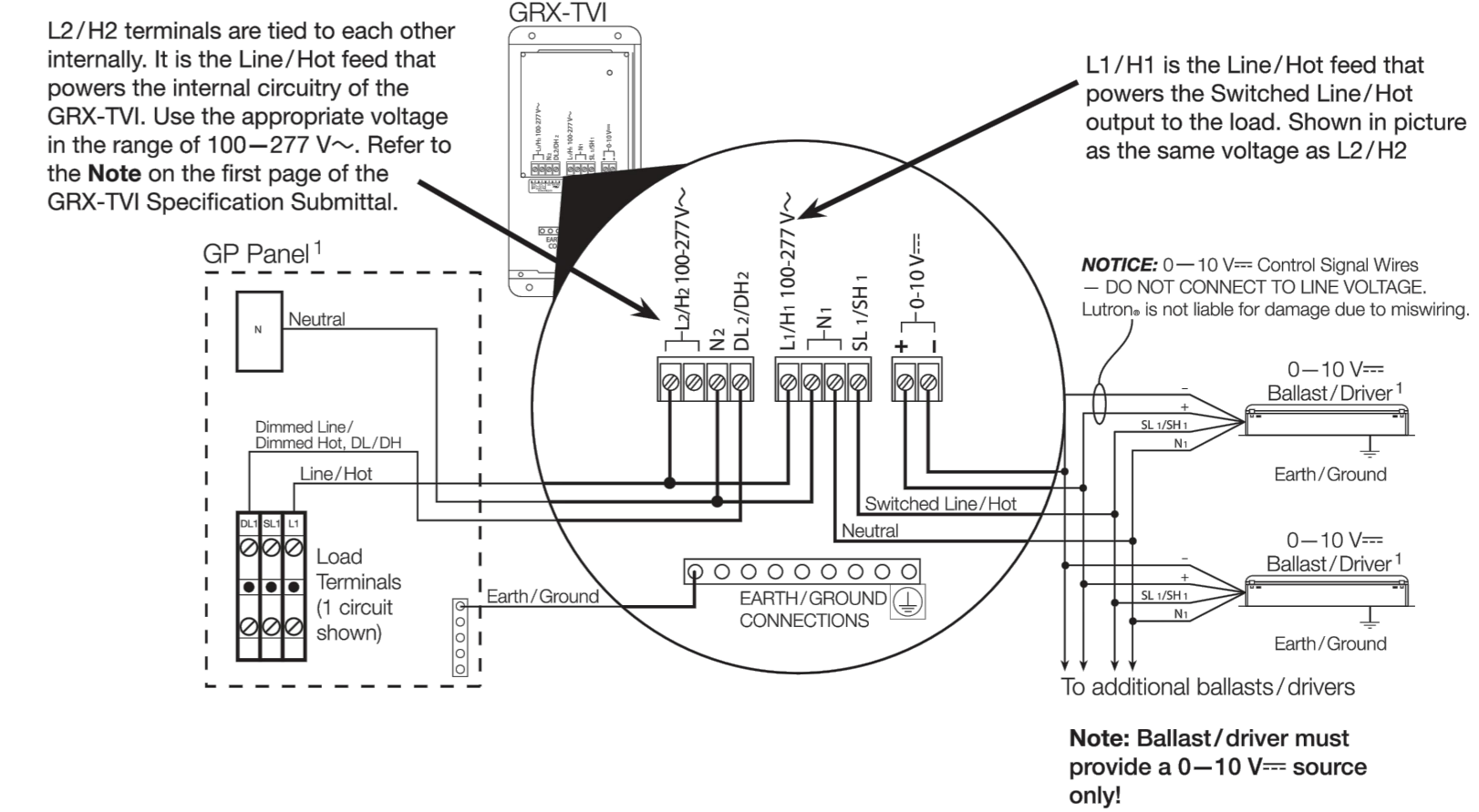
ZONE	SUPPLY	LOAD CONTROLLED
aa	LCC-1	AMBIENT LIGHTING FRONT
bb	LCC-2	AMBIENT LIGHTING REAR
cc	LCC-3	SPOT LIGHTS
dd	LCC-3	SPOT LIGHTS
ee	LCC-4	STAIR LIGHTING (EXISTING)
ff	LCC-5	WALL PACK LIGHTING (EXISTING)
ff	LCC-6	WALL PACK LIGHTING (EXISTING)

UPDATE ZONE SCHEDULE TO REFLECT EXISTING SITE CONDITIONS. PROVIDE CIRCUIT DIRECTORY FOR PANEL 'LCC'.

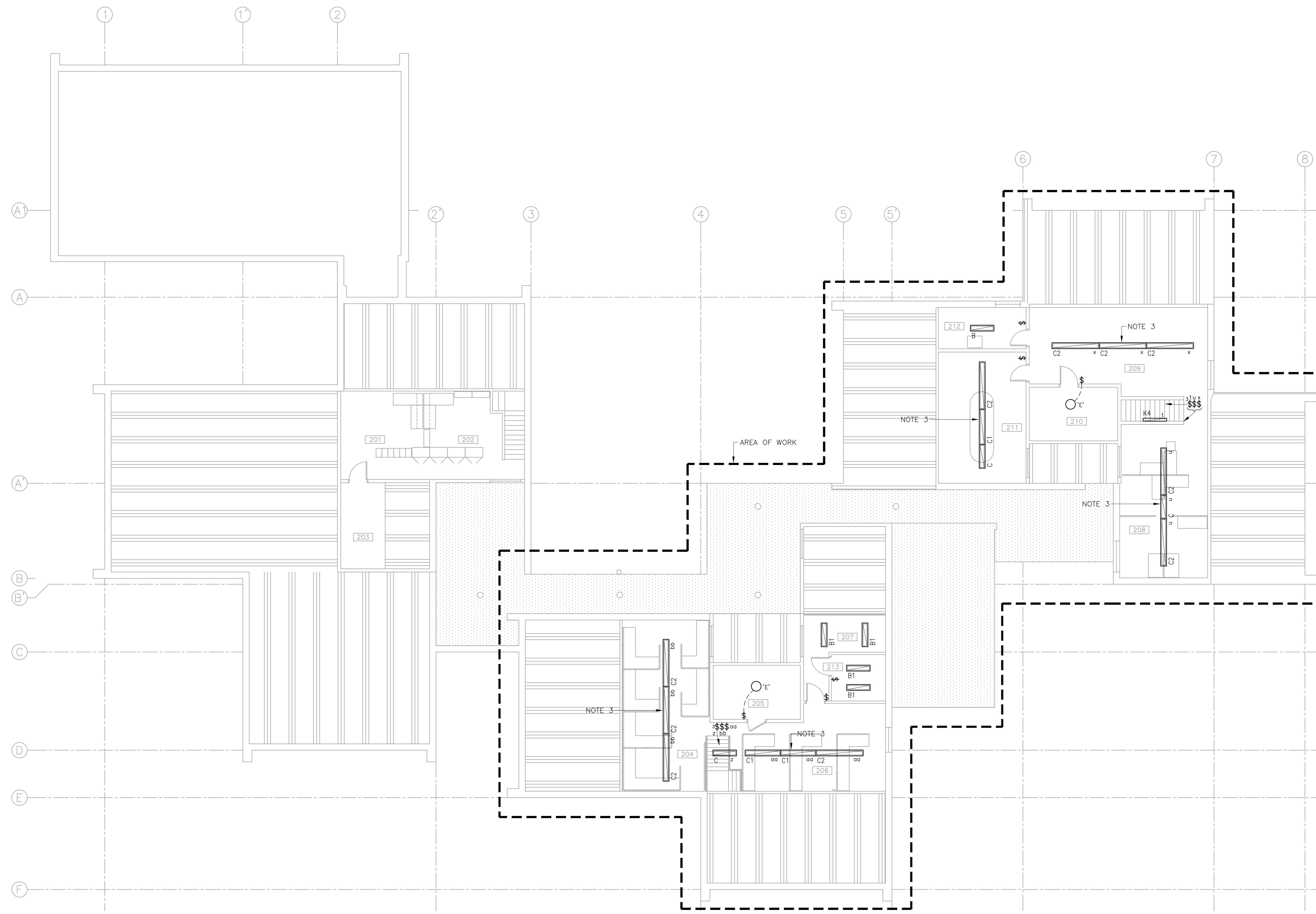


DETAIL 1
 E-107

Wiring Diagram K: GP Panel - 1 Distribution Panel/1 Feed



DETAIL 2
 E-107



SECOND FLOOR LIGHTING PLAN

SCALE : 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

NOTES	
1	REUSE EXISTING CIRCUITS. REUSE EXISTING RECESSED CONDUIT AND INSTALL NEW WIRING BACK TO SOURCE, UNLESS INDICATED OTHERWISE.
2	TIE INTO NEAREST JUNCTION BOX. PROVIDE BLACK BLANK COVER PLATES OVER UNUSED JUNCTION BOXES.
3	JOIN LIGHT FIXTURES TO FORM CONTINUOUS ROW AS PER MANUFACTURERS' RECOMMENDATIONS.

GENERAL CONDUIT NOTES	
C1	ALL OUTLETS AND VERTICAL CONDUIT RUNS TO BE RECESSED AND CONCEALED UNLESS OTHERWISE NOTED.
C2	SURFACE MOUNT CONDUITS ACCEPTABLE ON ALL EXPOSED CEILINGS. SURFACE MOUNT CONDUITS ACCEPTABLE ON WALLS AS INDICATED ON DRAWINGS.
C3	PAINT CONDUIT AND ASSOCIATED HARDWARE MATT BLACK WHEN RUNNING PARALLEL OR PERPENDICULAR TO EXISTING WOOD STRUCTURE.
C4	PAINT SURFACE MOUNTED CONDUIT AND ASSOCIATED HARDWARE ON WALLS TO MATCH EXISTING WALL COLOUR UNLESS CONDUIT IS FOLLOWING THE EXISTING WOOD STRUCTURE.
C5	PAINT CONDUIT AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION.
C6	FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.

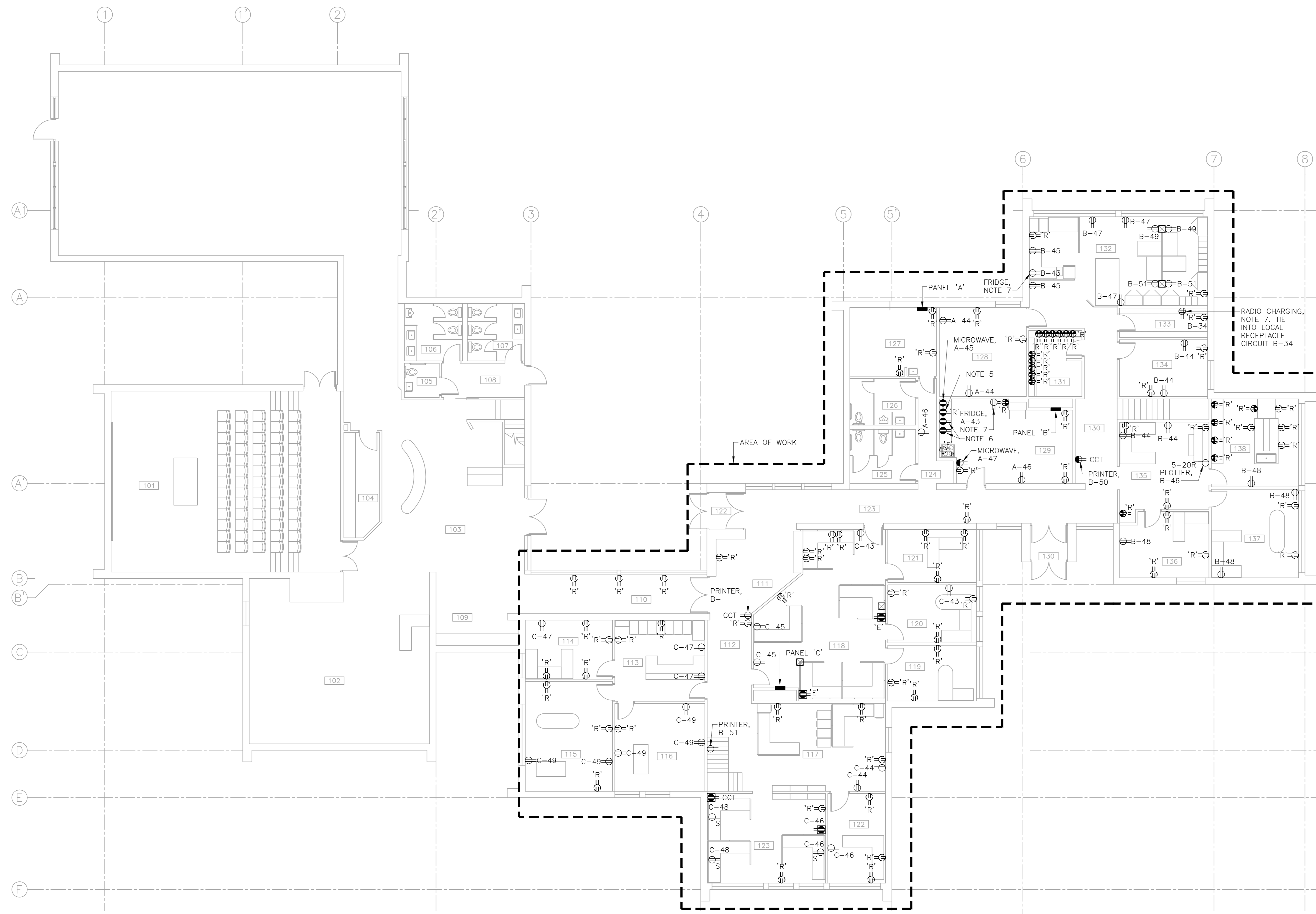


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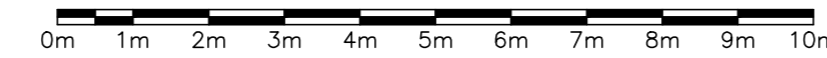
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 project project
**Facility Rehabilitation
 Kouchibouguac
 National Park
 Kouchibouguac,
 New Brunswick**

drawing dessin
**VISITOR INFORMATION CENTRE
 SECOND FLOOR
 LIGHTING PLAN**

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MAIN FLOOR POWER PLAN
SCALE : 1:100



NOTES

- 1 REUSE EXISTING CIRCUITS, WIRING AND CONDUIT. INSTALL NEW RECEPTABLES IN SAME LOCATION.
- 2 TRACE EXISTING RECEPTABLE CIRCUITS AND PROVIDE LAMICOID LABEL ABOVE EACH RECEPTABLE INDICATING CIRCUIT NUMBER. PROVIDE AS-BUILT DRAWINGS WITH CIRCUIT NUMBERS.
- 3 FLOOR RECEPTABLES TO BE DEMOLISHED. REMOVE WIRING BACK TO SOURCE. CAP EXISTING SOCKET WITH BRASS COVER PLATE.
- 4 SYSTEM FURNITURE WHIPS PROVIDED BY OWNER FOR CONNECTION BY ELECTRICAL CONTRACTOR.
- 5 REPLACE WITH 20A GFCI DUPLEX RECEPTABLE
- 6 EXISTING SPLIT CIRCUIT. REPLACE BACKBOX AND PROVIDE 2 X 20A GFCI DUPLEX RECEPTABLES, CIRCUITS A-33 & A-35.
- 7 CO-ORDINATE EXACT LOCATION ON SITE WITH PARKS CANADA REPRESENTATIVE.

GENERAL CONDUIT NOTES

- C1 ALL OUTLETS AND VERTICAL CONDUIT RUNS TO BE RECESSED AND CONCEALED UNLESS OTHERWISE NOTED.
- C2 SURFACE MOUNT CONDUITS ACCEPTABLE ON ALL EXPOSED CEILING. SURFACE MOUNT CONDUITS ACCEPTABLE ON WALLS AS INDICATED ON DRAWINGS.
- C3 PAINT CONDUIT AND ASSOCIATED HARDWARE MATT BLACK WHEN RUNNING PARALLEL OR PERPENDICULAR TO EXISTING WOOD STRUCTURE.
- C4 PAINT SURFACE MOUNTED CONDUIT AND ASSOCIATED HARDWARE ON WALLS TO MATCH EXISTING WALL COLOUR UNLESS CONDUIT IS FOLLOWING THE EXISTING WOOD STRUCTURE.
- C5 PAINT CONDUIT AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION.
- C6 FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.

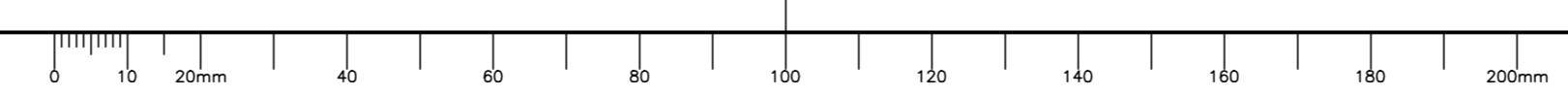


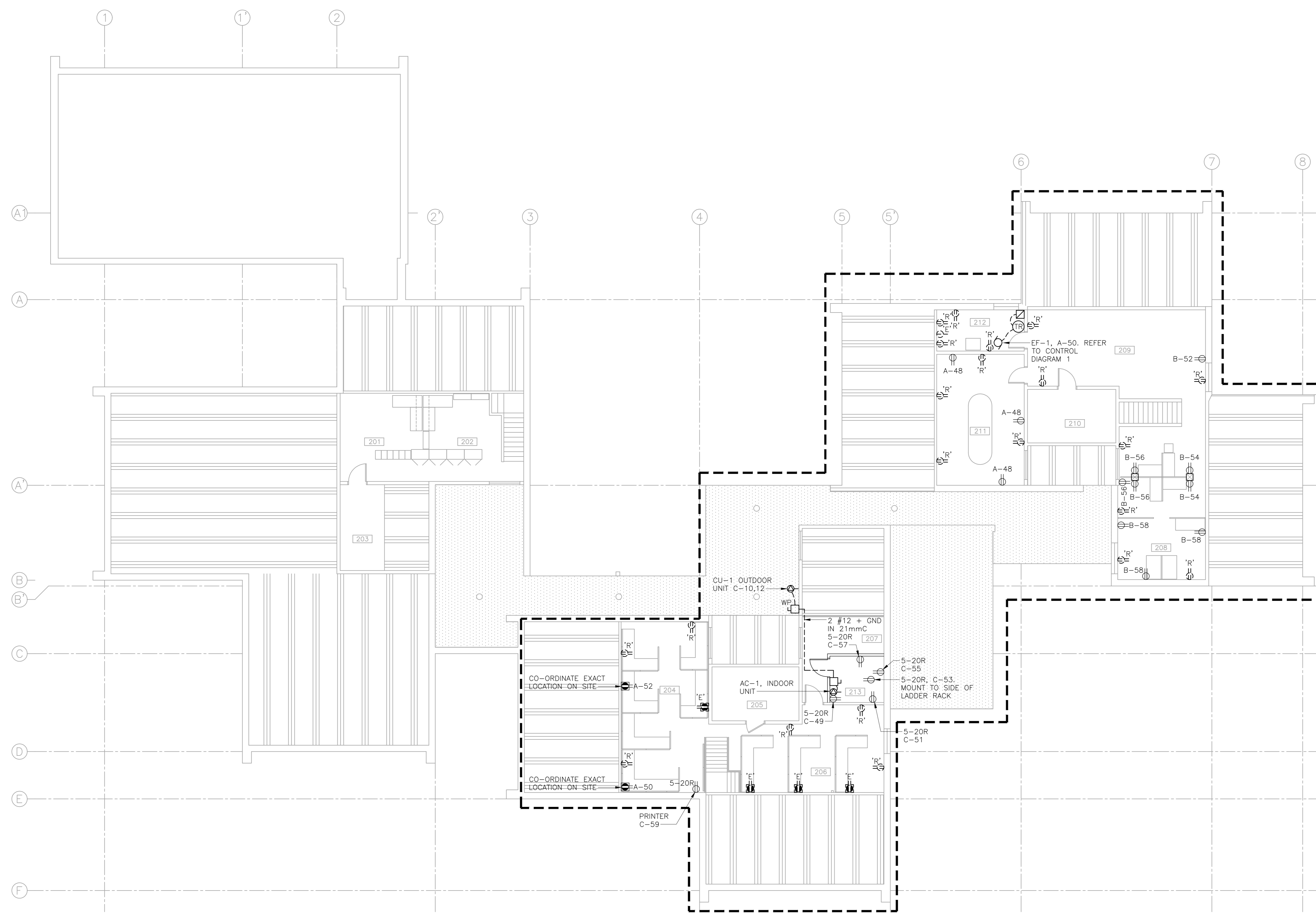
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project
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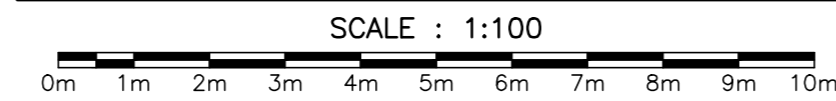
**VISITOR INFORMATION CENTRE
MAIN FLOOR
POWER PLAN**

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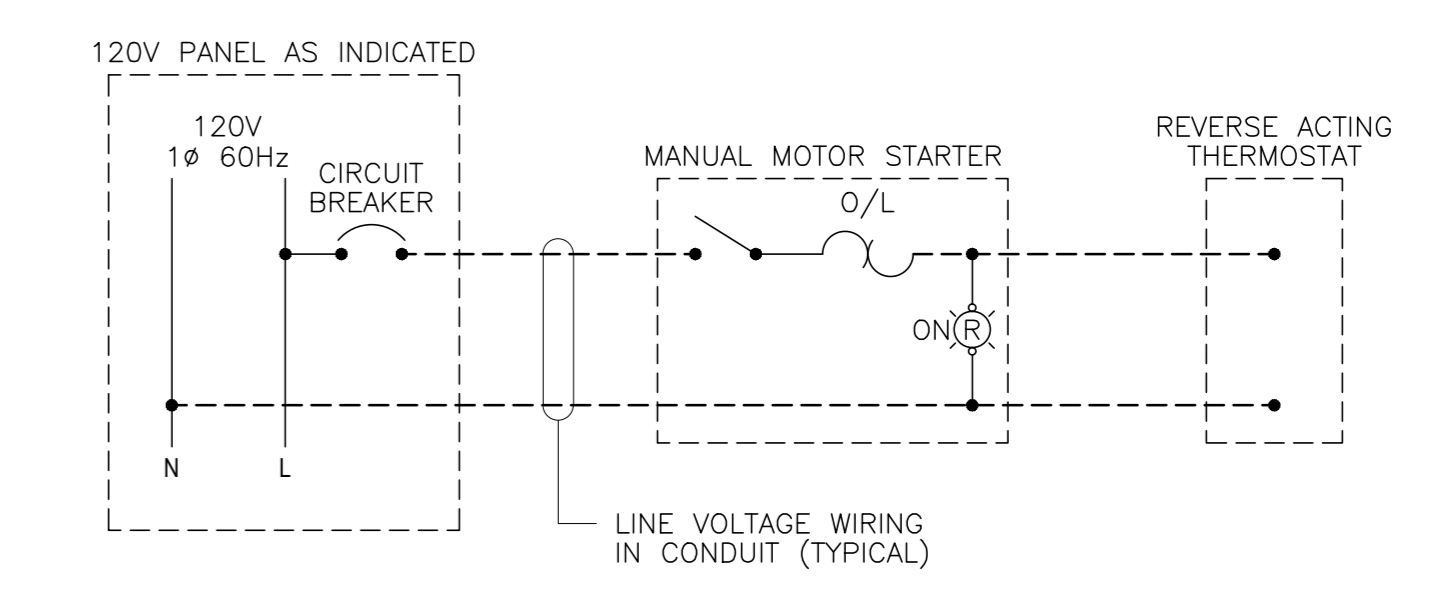


SECOND FLOOR POWER PLAN
SCALE: 1:100

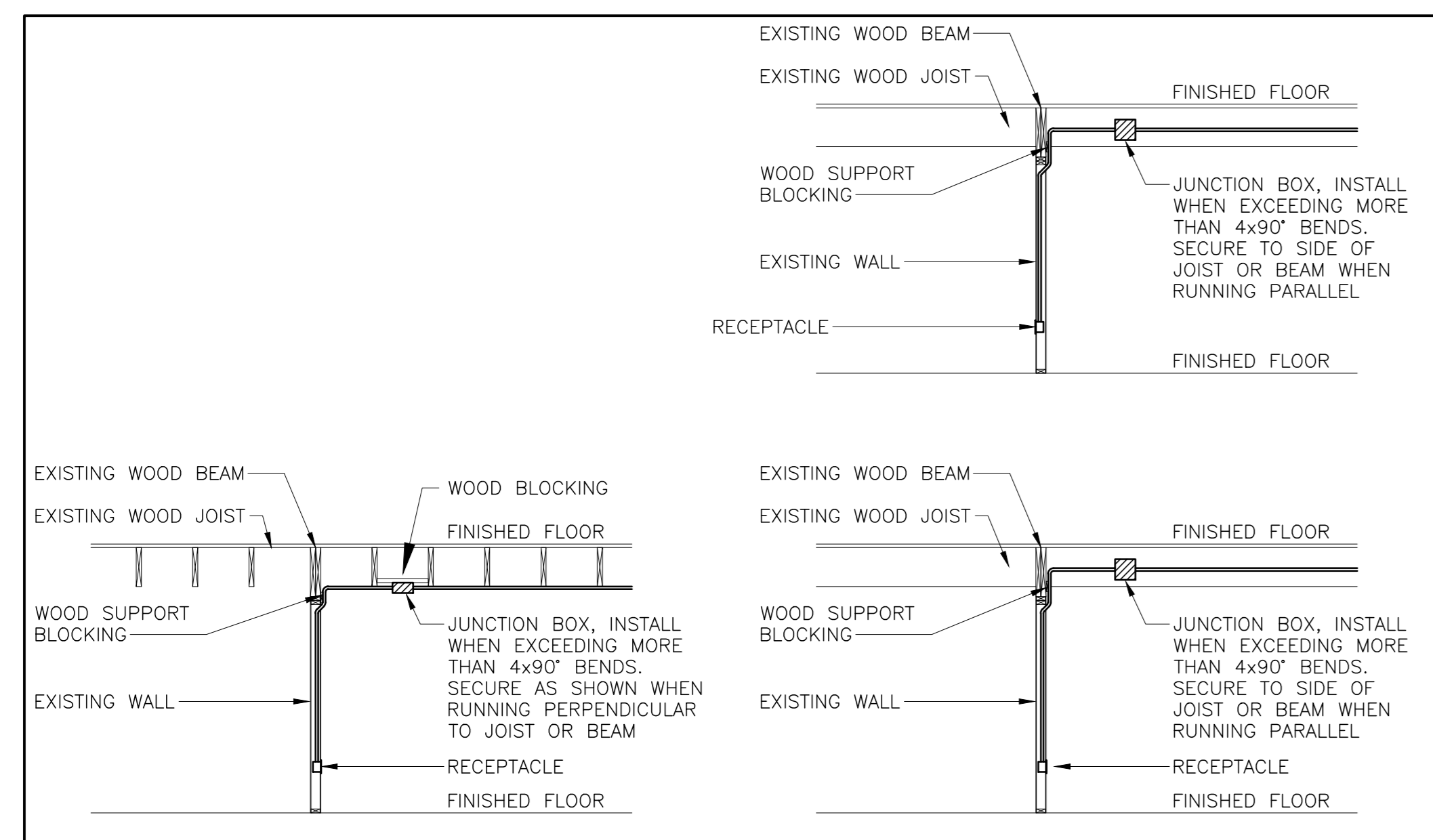


NOTES	
1	REUSE EXISTING CIRCUITS, WIRING AND CONDUIT. INSTALL NEW RECEPTACLES IN SAME LOCATION.
2	TRACE EXISTING RECEPTACLE CIRCUITS AND PROVIDE LAMICOID LABEL ABOVE EACH RECEPTACLE INDICATING CIRCUIT NUMBER. PROVIDE AS-BUILT DRAWINGS WITH CIRCUIT NUMBERS.
3	FLOOR RECEPTACLES TO BE DEMOLISHED. REMOVE WIRING BACK TO SOURCE. CAP EXISTING SOCKET WITH BRASS COVER PLATE.
4	SYSTEM FURNITURE WHIPS PROVIDED BY OWNER FOR CONNECTION BY ELECTRICAL CONTRACTOR.

GENERAL CONDUIT NOTES	
C1	ALL OUTLETS AND VERTICAL CONDUIT RUNS TO BE RECESSED AND CONCEALED UNLESS OTHERWISE NOTED.
C2	SURFACE MOUNT CONDUITS ACCEPTABLE ON ALL EXPOSED CEILINGS. SURFACE MOUNT CONDUITS ACCEPTABLE ON WALLS AS INDICATED ON DRAWINGS.
C3	PAINT CONDUIT AND ASSOCIATED HARDWARE MATT BLACK WHEN RUNNING PARALLEL OR PERPENDICULAR TO EXISTING WOOD STRUCTURE.
C4	PAINT SURFACE MOUNTED CONDUIT AND ASSOCIATED HARDWARE ON WALLS TO MATCH EXISTING WALL COLOUR UNLESS CONDUIT IS FOLLOWING THE EXISTING WOOD STRUCTURE.
C5	PAINT CONDUIT AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION.
C6	FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.



CONTROL DIAGRAM 1



TYPICAL COMMUNICATION CONDUIT ROUTING & PULL BOX MOUNTING DETAILS
1
E-110

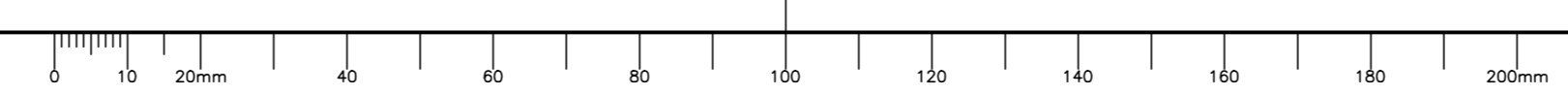


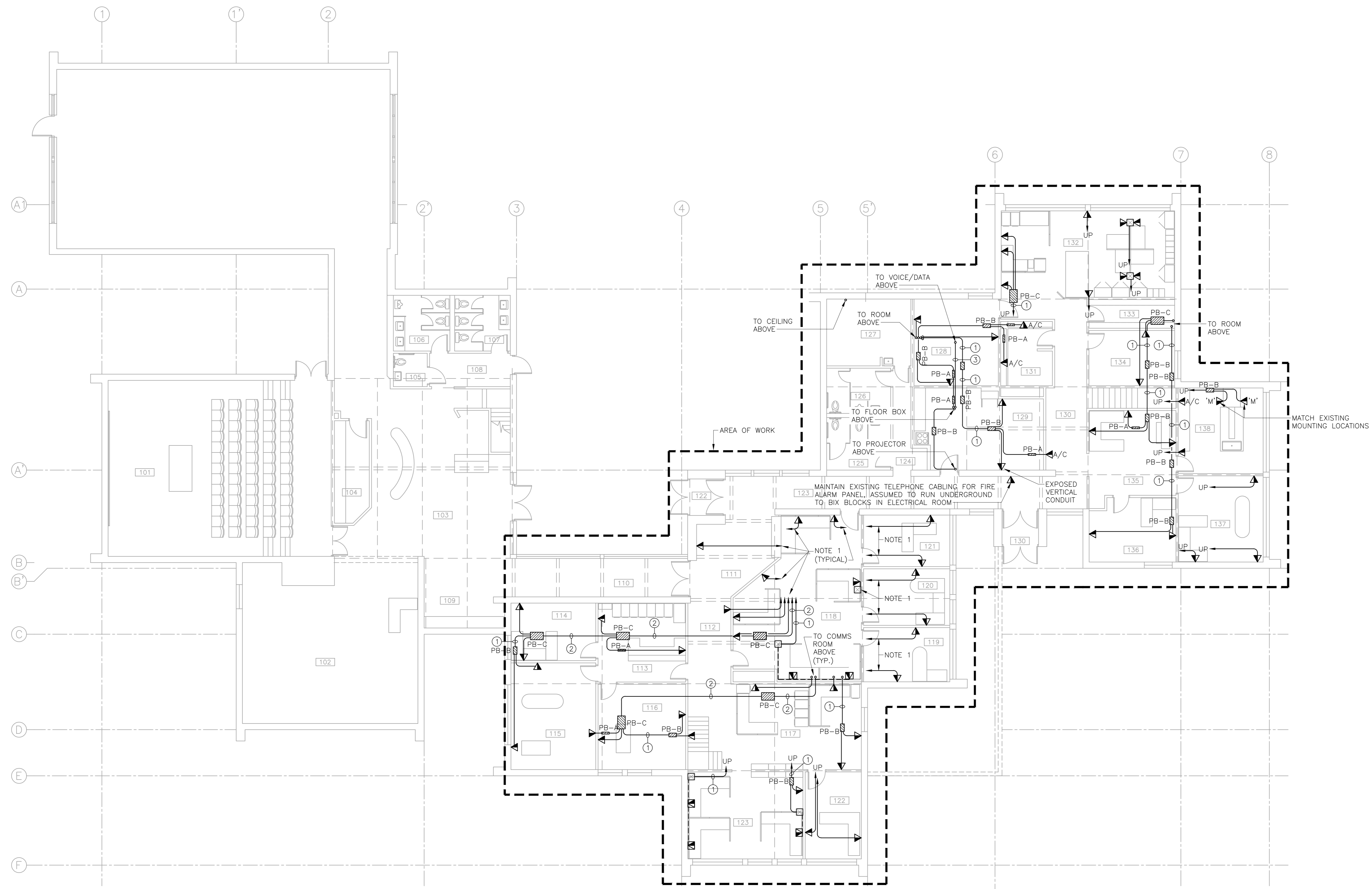
revisions	date	description
1	FEB 21 2018	RE-ISSUED FOR TENDER
0	JAN 31 2018	ISSUED FOR TENDER

project
**Facility Rehabilitation
 Kouchibouguac
 National Park
 Kouchibouguac,
 New Brunswick**

drawing
**VISITOR INFORMATION CENTRE
 SECOND FLOOR
 POWER PLAN**

designed M.P.	concur
date FEBRUARY 21, 2018	
drawn M.P.	designed
date FEBRUARY 21, 2018	
approved J.N.	approved
date FEBRUARY 21, 2018	
Tender	Submission
PM/SC Project Manager	Administrateur de projets TFGSC
project number	no. du projet
drawing no.	no. du dessin





MAIN FLOOR CONDUIT ROUTING PLAN

SCALE : 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

NOTES

- 1 UP TO CABLE TRAY OR LADDER RACK ON SECOND FLOOR
- 2 SURFACE MOUNT ALL COMMUNICATION OUTLETS UNLESS NOTED OTHERWISE.
- 3 CONDUIT ROUTING:
 1. DO NOT DRILL OR CUT EXISTING STRUCTURE.
 2. RUN TIGHT TO STRUCTURE, CONCEAL AS MUCH AS POSSIBLE.
 3. WHEN RUNNING PARALLEL TO JOIST, RUN BETWEEN JOISTS.
 4. RUN ON UNDERSIDE OF JOIST ONLY WHEN CONDUIT IS PERPENDICULAR TO JOISTS.
 5. REFER TO DETAIL 5/E-112.
- 4 NOT ALL PULL BOXES SHOWN, ONLY MAIN PULL BOXES SHOWN. DO NOT EXCEED MORE THAN TWO 90° BENDS. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED.
- 5 STRUT IS NOT ACCEPTABLE FOR CONDUIT SUPPORT IN FINISHED SPACES. PROVIDE WOOD BLOCKING OF SIMILAR MATERIAL AND STAIN COLOUR WHERE ADDITIONAL SUPPORT IS REQUIRED FOR MOUNTING CONDUIT AND PULL BOXES. REFER TO DETAIL 5/E-112.
- 6 OVERHEAD CONDUITS AND PULL BOXES CANNOT BE MOUNTED LOWER THAN 2050mm AFF.
- 7 SURFACE MOUNT BACKBOX AND CONDUIT IN ROOMS 117, 118, 122, 123, 125, 126, 127, 137, 140 AND 141.

GENERAL CONDUIT NOTES

- C1 ALL OUTLETS AND VERTICAL CONDUIT RUNS TO BE RECESSED AND CONCEALED UNLESS OTHERWISE NOTED.
- C2 SURFACE MOUNT CONDUITS ACCEPTABLE ON ALL EXPOSED CEILINGS; SURFACE MOUNT CONDUITS ACCEPTABLE ON WALLS AS INDICATED ON DRAWINGS.
- C3 PAINT CONDUIT AND ASSOCIATED HARDWARE MATT BLACK WHEN RUNNING PARALLEL OR PERPENDICULAR TO EXISTING WOOD STRUCTURE.
- C4 PAINT SURFACE MOUNTED CONDUIT AND ASSOCIATED HARDWARE ON WALLS TO MATCH EXISTING WALL COLOUR UNLESS CONDUIT IS FOLLOWING THE EXISTING WOOD STRUCTURE.
- C5 PAINT CONDUIT AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION.
- C6 FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.

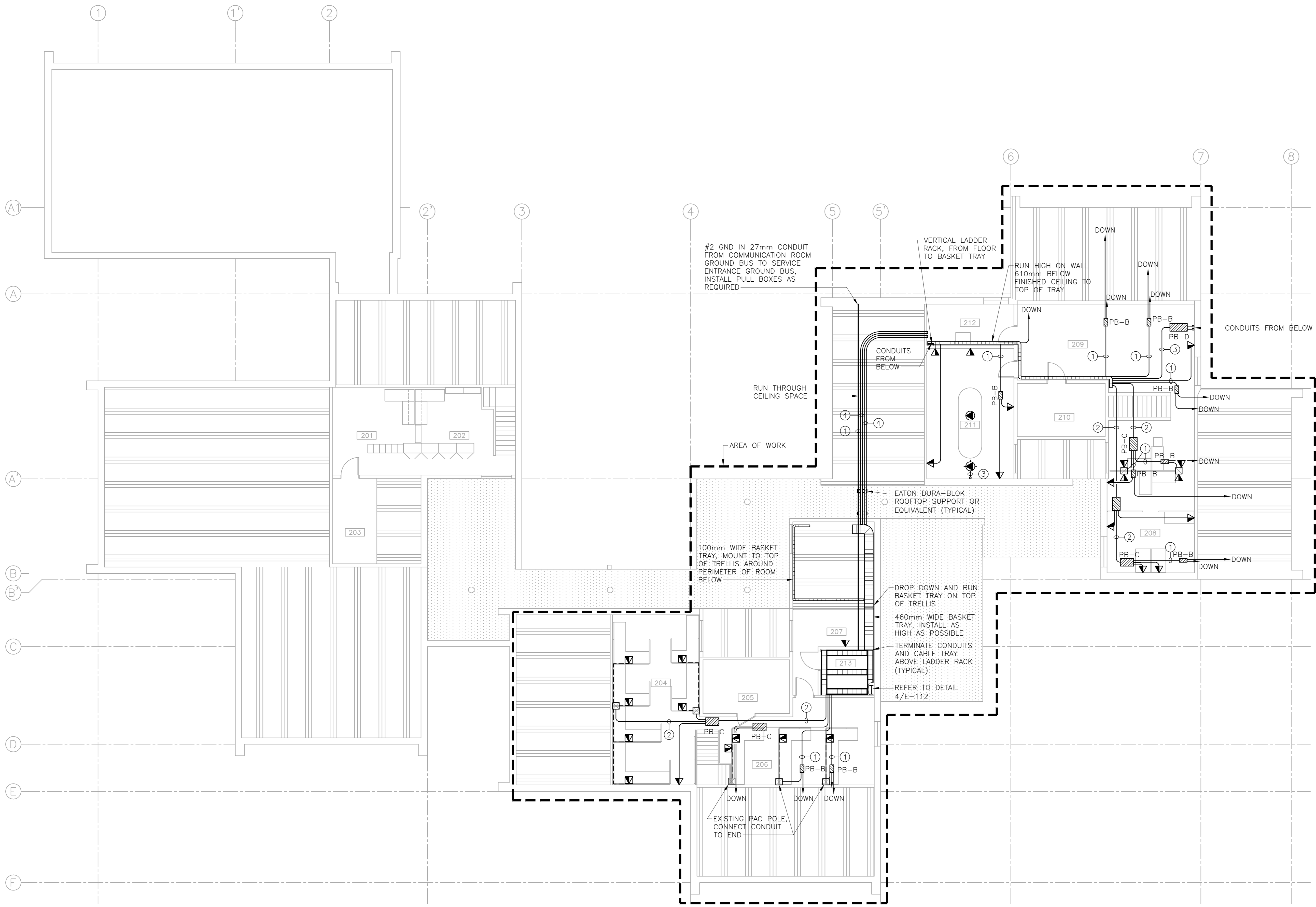


1	RE-ISSUED FOR TENDER	FEB. 21 2018
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revisions
 project
 Facility Rehabilitation
 Kouchibouguac
 National Park
 Kouchibouguac,
 New Brunswick

VISITOR INFORMATION CENTRE
 MAIN FLOOR
 CONDUIT ROUTING
 PLAN

designed M.P.	conçu
date FEBRUARY 21, 2018	
drawn M.P.	dessiné
date FEBRUARY 21, 2018	
approved J.N.	approuvé
date FEBRUARY 21, 2018	
Tender	Submission
PM/SC Project Manager	Administrateur de projets TPSC
project number	no. du projet
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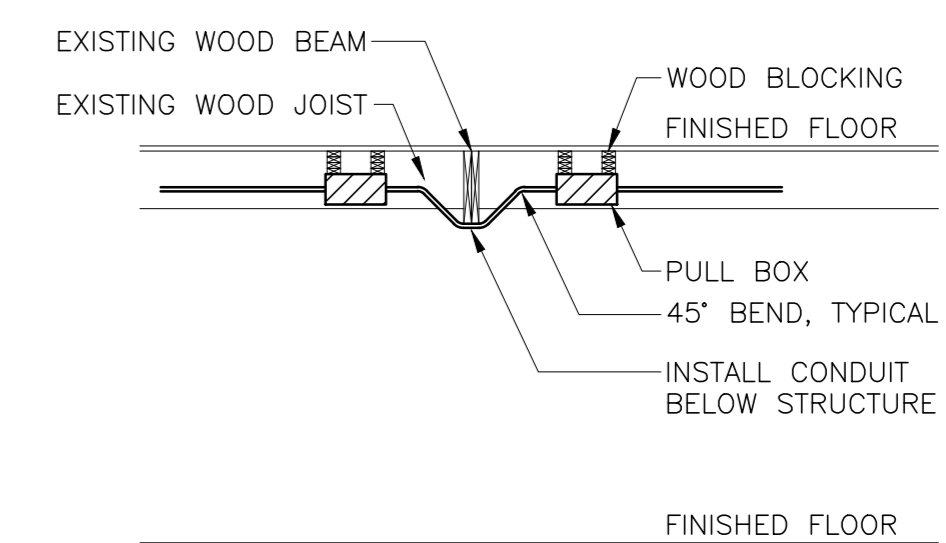
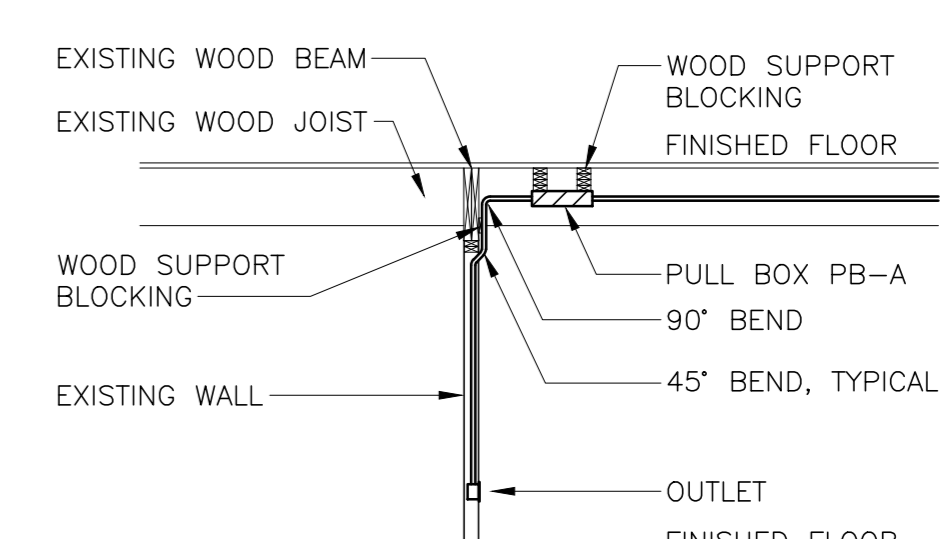
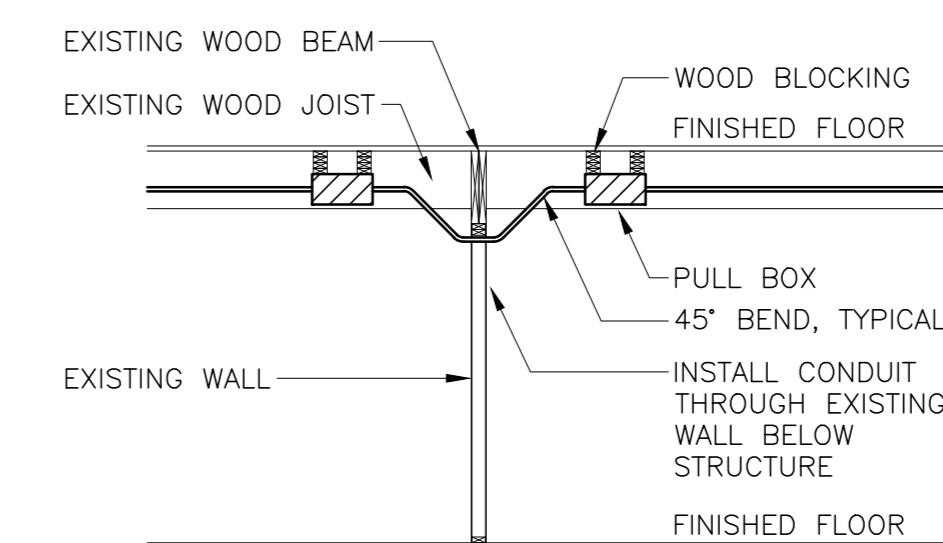
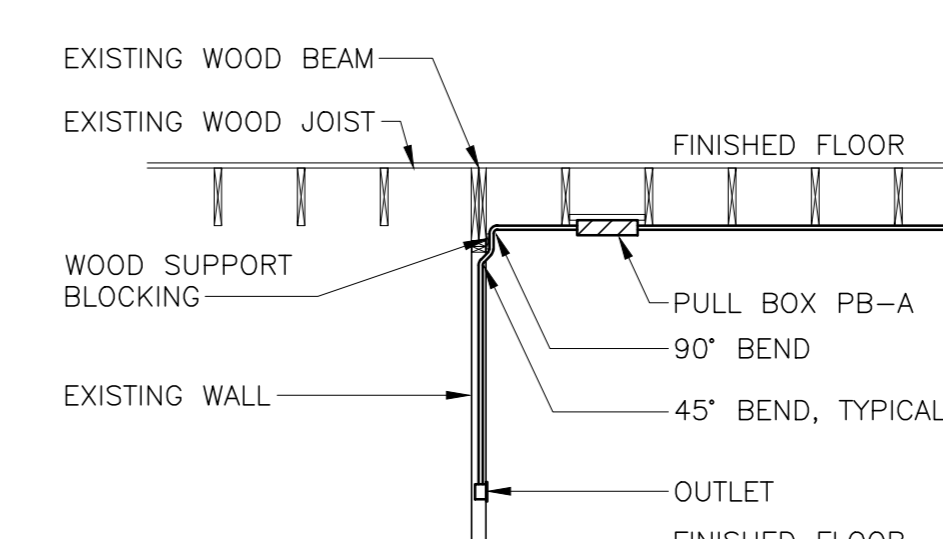
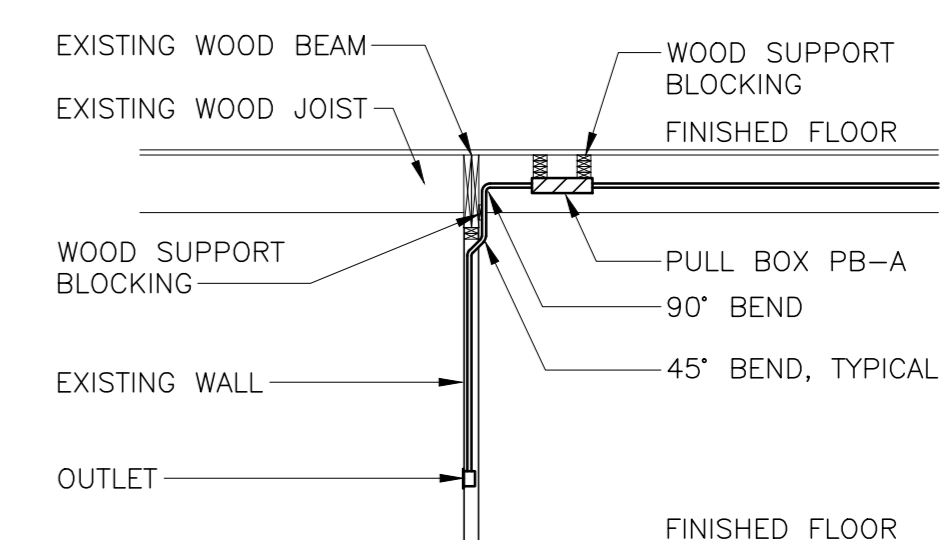


SECOND FLOOR COMMUNICATION PLAN

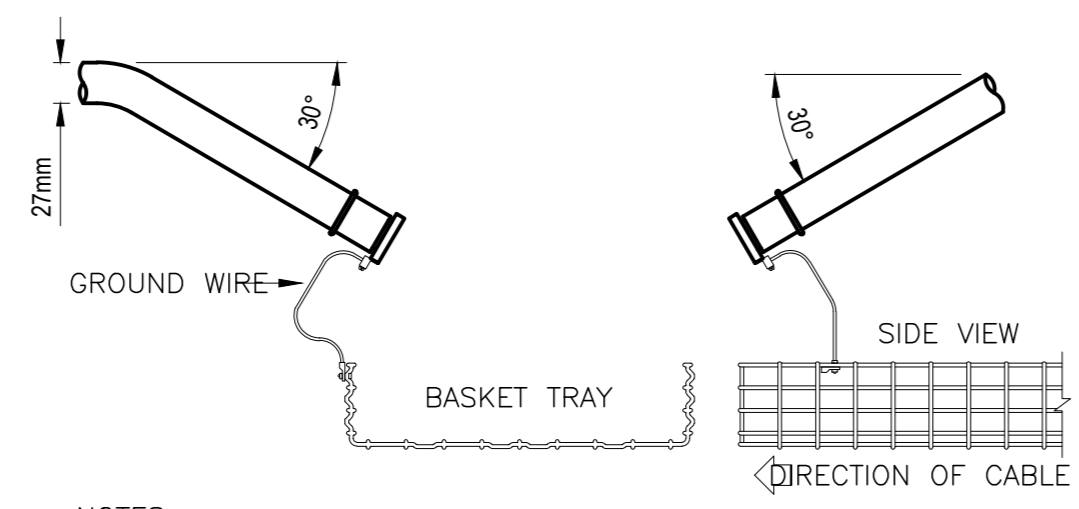
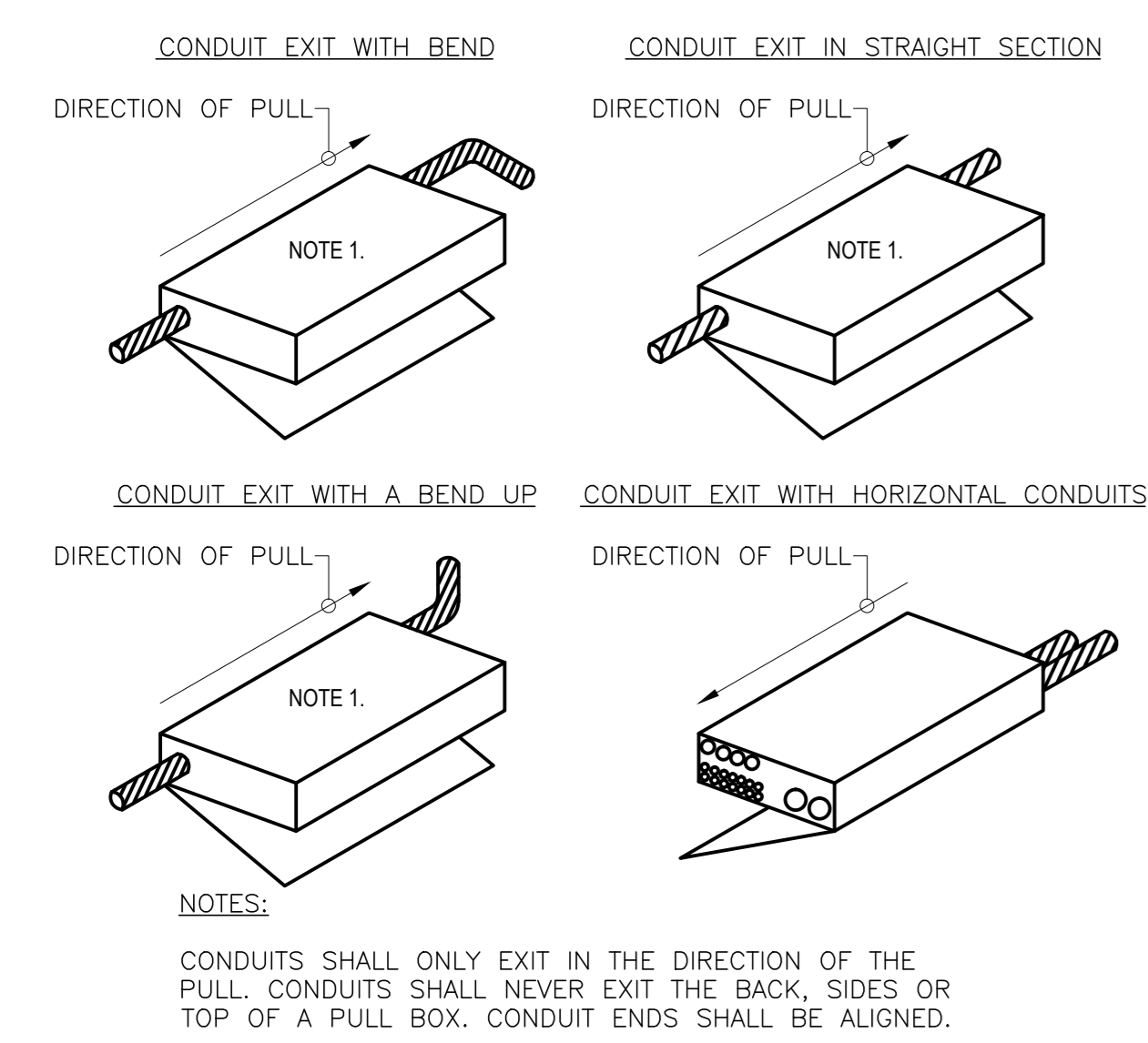
SCALE: 1:100
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

NOTES	
1	UP TO CABLE TRAY OR LADDER RACK ON SECOND FLOOR
2	SURFACE MOUNT ALL COMMUNICATION OUTLETS UNLESS NOTED OTHERWISE.
3	CONDUIT ROUTING: 1. DO NOT DRILL OR CUT EXISTING STRUCTURE, AS POSSIBLE. 2. RUN TIGHT TO STRUCTURE, CONCEAL AS MUCH AS POSSIBLE. 3. WHEN RUNNING PARALLEL TO JOIST, RUN BETWEEN JOISTS. 4. RUN ON UNDERSIDE OF JOIST ONLY WHEN CONDUIT IS PERPENDICULAR TO JOISTS. 5. REFER TO DETAIL 5/E-112.
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5	STRUT IS NOT ACCEPTABLE FOR CONDUIT SUPPORT IN FINISHED SPACES. PROVIDE WOOD BLOCKING OF SIMILAR MATERIAL AND STAIN COLOUR WHERE ADDITIONAL SUPPORT IS REQUIRED FOR MOUNTING CONDUIT AND PULL BOXES. REFER TO DETAIL 5/E-112.
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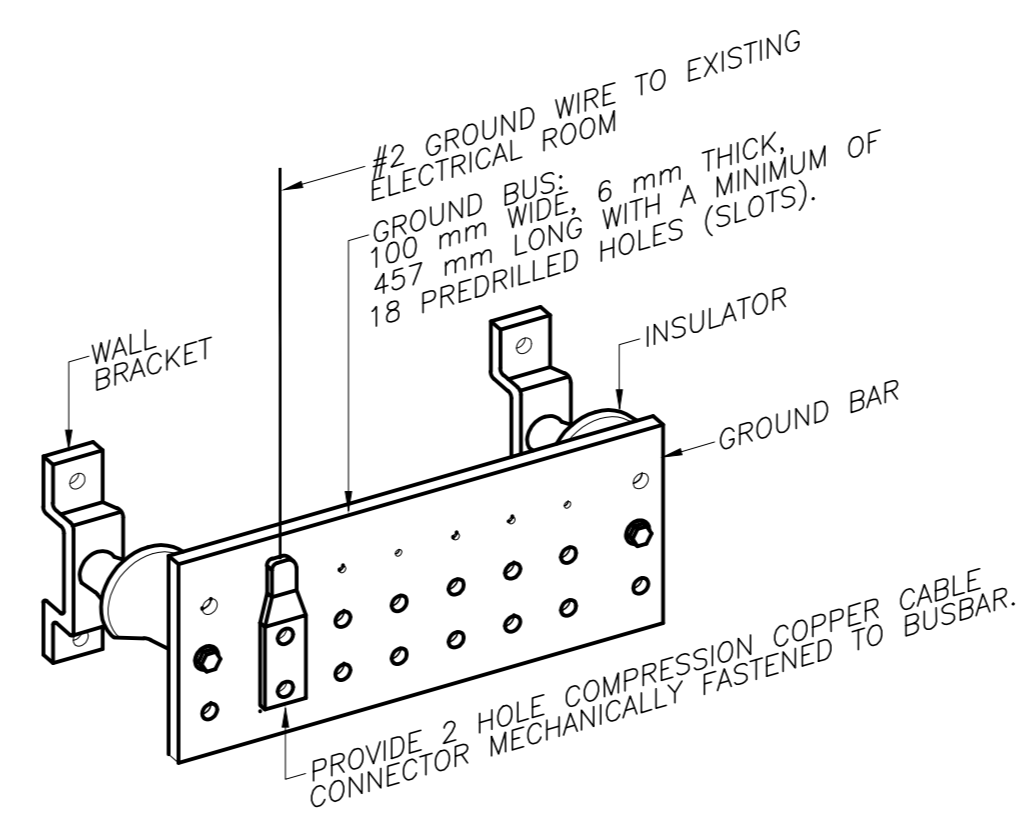
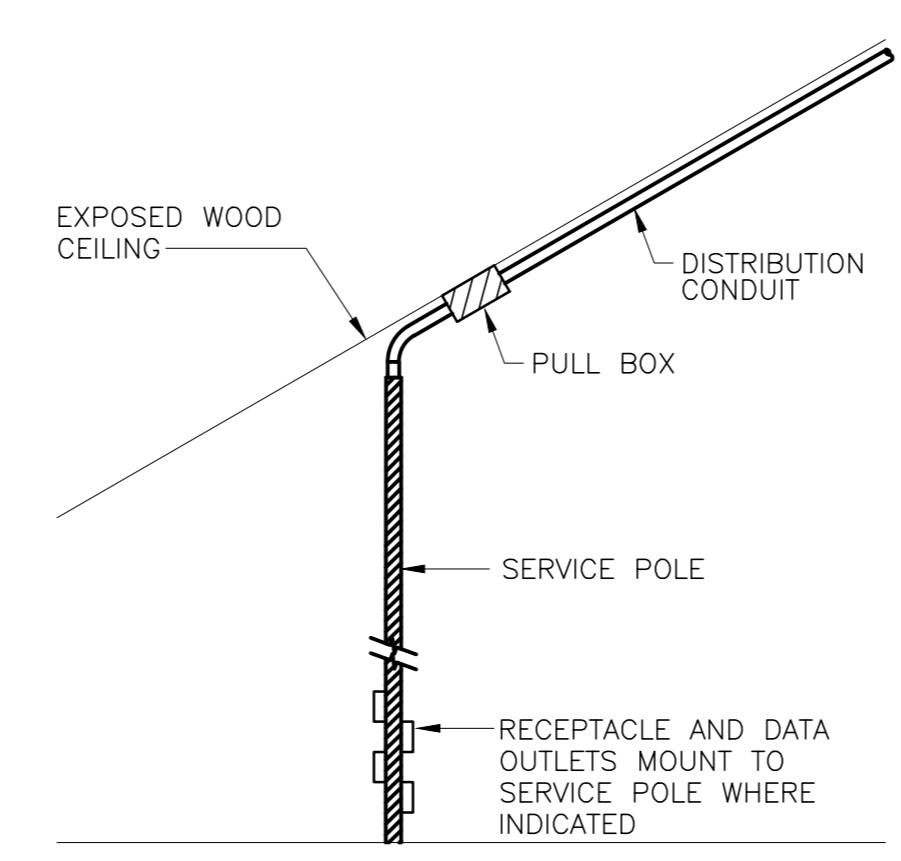
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C6	FASTENERS MUST BE SCREWS, NAILS AND BOLTS ARE NOT ACCEPTABLE.



NOTES:
 1. PROVIDE TYPE PB-A PULL BOX AT CEILING LEVEL FOR ALL OUTLET LOCATIONS AS SHOWN ON DETAILS ABOVE.



NOTES:
 1. CONDUIT SHALL COMMENCE WITHIN 100 mm ABOVE AND PERPENDICULAR TO THE INSIDE EDGE OF THE BASKET TRAY ON THE CLOSEST SIDE TO THE OUTLET BOX.
 2. CONDUIT SHALL BE REAMED AND BUSHED.
 3. CONDUIT SHALL BE BONDED WITH GREEN-JACKETED, #6 AWG STRANDED COPPER CONDUCTOR MATERIALS BOLTED TO THE BASKET TRAY SHALL BE FREE OF BURRS AND/OR SHARP EDGES. DO NOT ALLOW BOLTS TO OBSTRUCT OR INTERFERE WITH THE INTERIOR SPACE OF THE TRAY.
 4. CONDUIT SHALL USE PERMANENT CRIMP ON OR EXOTHERMIC WELD TYPE LIUGS / CONNECTORS, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



DETAIL CONDUIT PULL BOX **1**
E-112

DETAIL CONDUIT ENTRY TO TRAY **2**
E-112

DETAIL UTILITY POLE PULL BOX **3**
E-112

DETAIL GROUND BUS **4**
E-112

TYPICAL COMMUNICATION CONDUIT ROUTING & PULL BOX MOUNTING DETAILS **5**
E-112



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Facility Rehabilitation
 Kouchibouguac National Park
 Kouchibouguac,
 New Brunswick

**VISITOR INFORMATION CENTRE
 SECOND FLOOR
 CONDUIT ROUTING
 PLAN AND DETAILS**

designed	M.P.	concep
date	FEBRUARY 21, 2018	
drawn	M.P.	dessiné
date	FEBRUARY 21, 2018	
approved	J.N.	approuvé
date	FEBRUARY 21, 2018	
submitter		présenté
client	Project Manager / Administrateur de projets TFGSC	
project number		no. du projet
drawing no.		no. du dessin

