



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

ELECTRICAL MODIFICATIONS - SIR HUMPHREY GILBERT

ST. JOHN'S
CANADA
NEWFOUNDLAND

PROJECT NO. F6839-210677

MECHANICAL/ELECTRICAL
CONSULTANT:

CIVIL CONSULTANT:

DRAWING LIST:

CIVIL

C1 - CONCRETE PAD FOR GENERATOR

MECHANICAL

M1 - ENLARGED PENTHOUSE STORAGE ROOM FLOOR PLAN -
VENTILATION LAYOUT

M2 - VENTILATION SCHEDULES & DETAILS

ELECTRICAL

E1 - PARTIAL BASEMENT AND FIRST FLOOR PLAN - POWER LAYOUT

E2 - PARTIAL SECOND, THIRD AND FOURTH FLOOR PLAN - POWER
LAYOUT

E3 - PARTIAL FIFTH AND SIXTH FLOOR PLAN - POWER LAYOUT

E4 - ROOF PLAN AND PENTHOUSE FLOOR PLAN - POWER LAYOUT

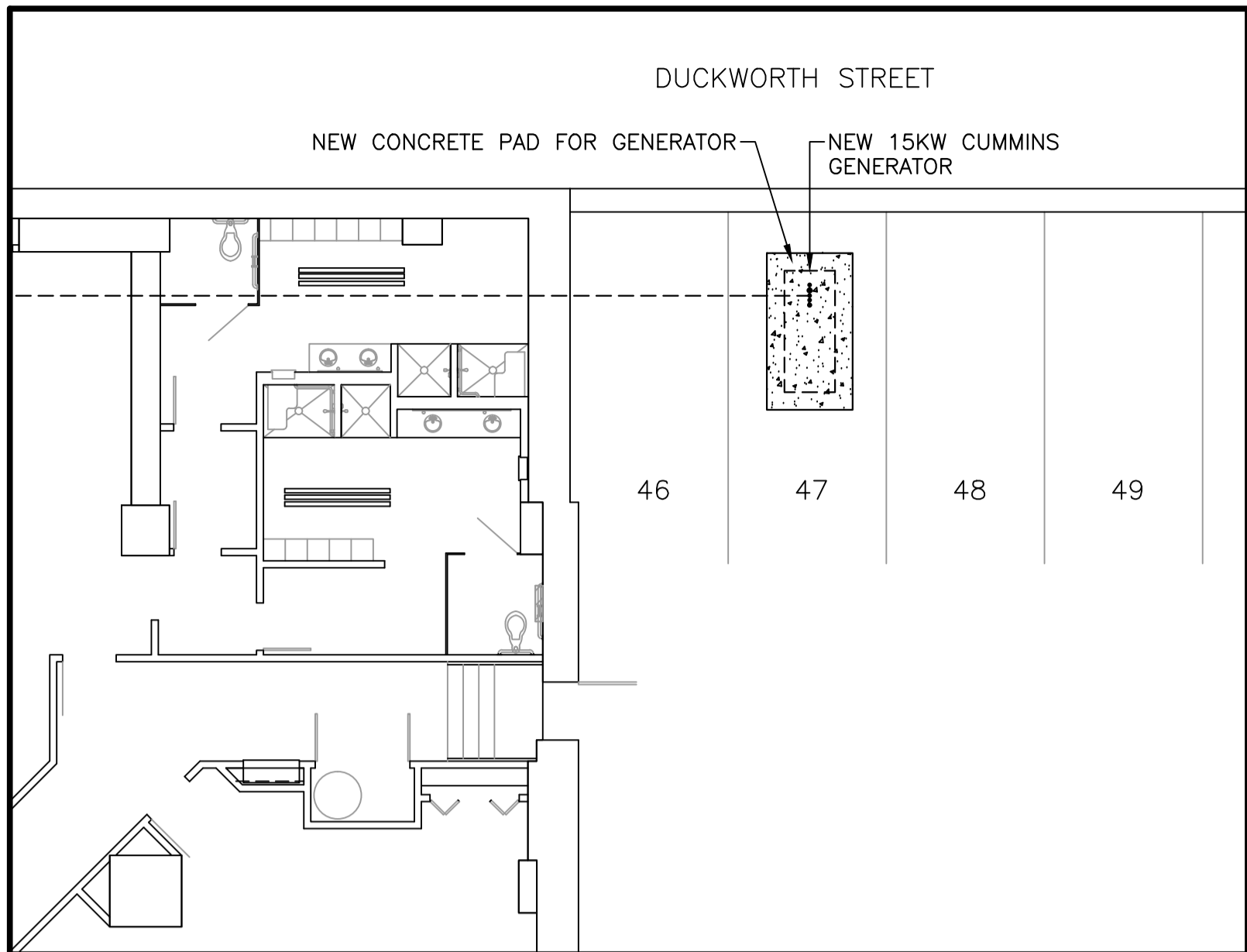
E5 - ELECTRICAL DETAILS

E6 - ELECTRICAL DETAILS

E7 - ELECTRICAL DETAILS

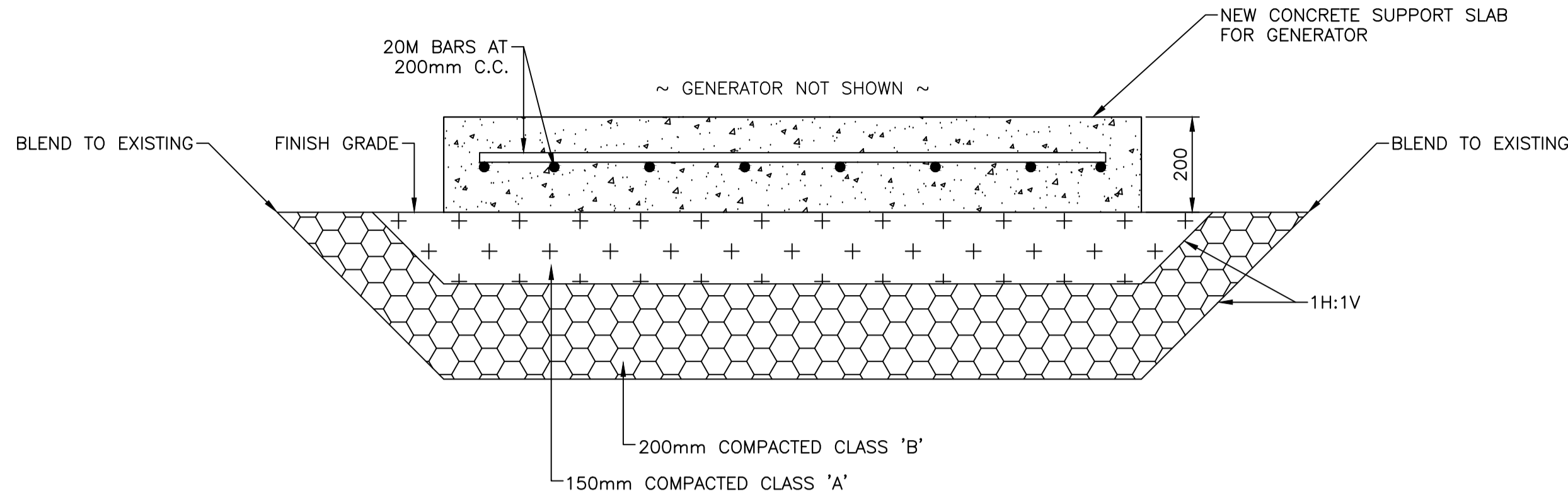
E8 - ELECTRICAL DETAILS

Canada



KEY PLAN

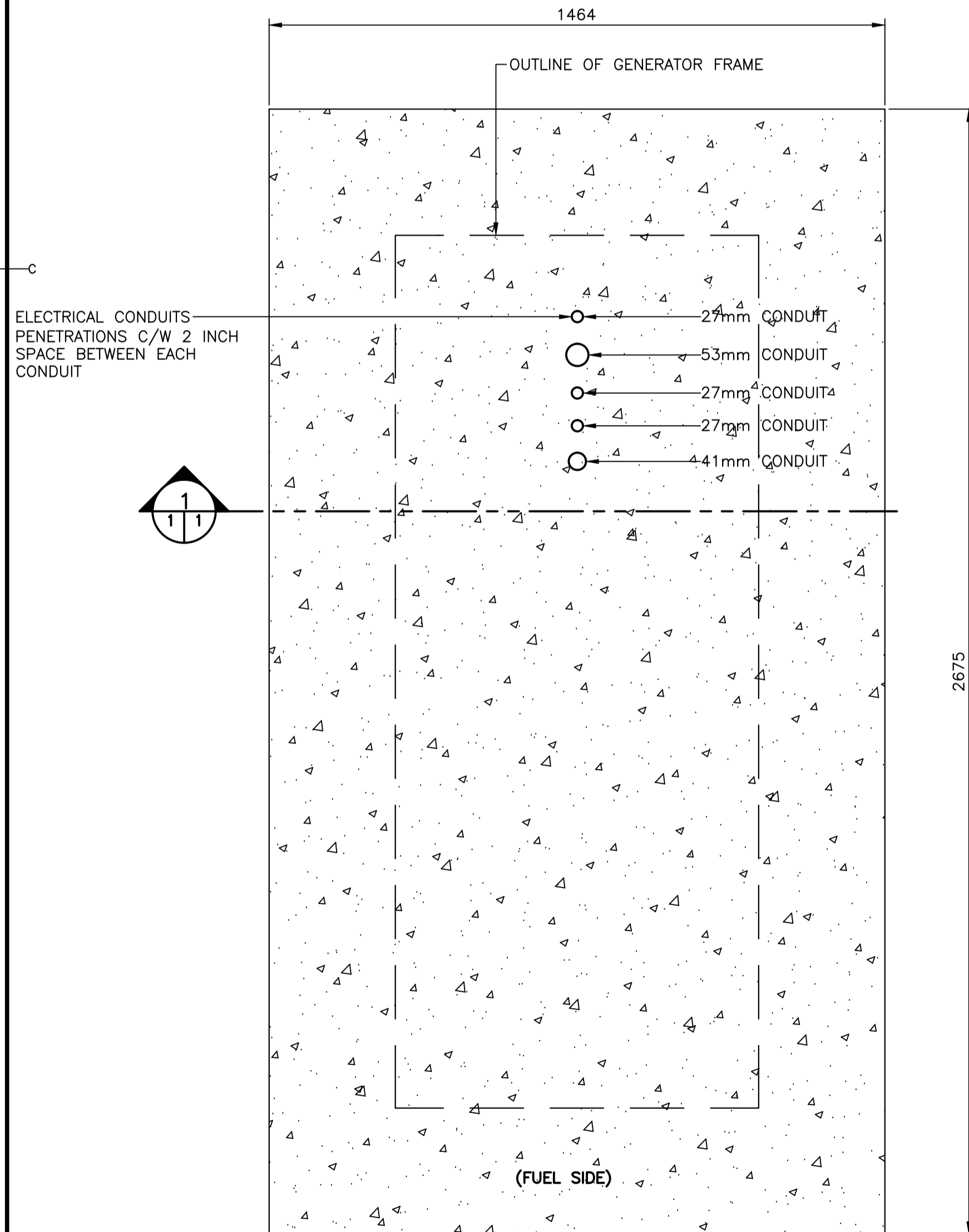
SCALE : N.T.S.



SECTION VIEW - CONCRETE PAD

SCALE : 1:10

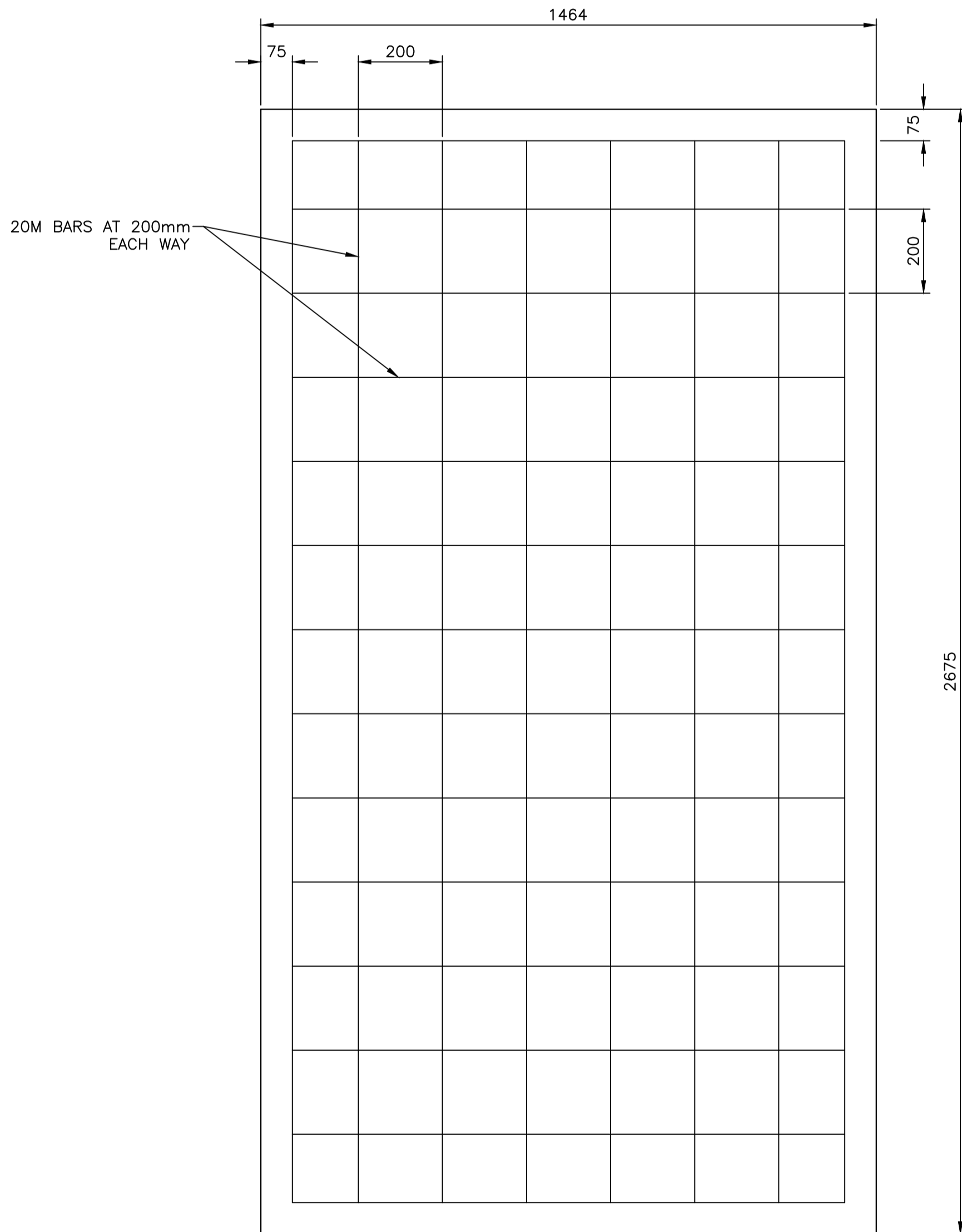
0mm 100 200 300 400 500 600 700 800 900 1000mm



PLAN VIEW - CONCRETE PAD

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm



PLAN VIEW - CONCRETE PAD

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTES:

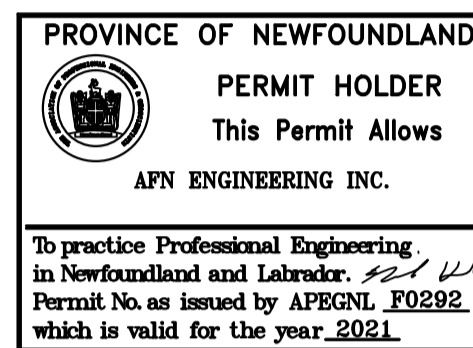
1. CONCRETE MINIMUM COMPRESSIVE STRENGTH: 35 MPA AT 28 DAYS.
2. REINFORCING STEEL: BILLET STEEL, GRADE 400, DEFORMED BARS TO CAN/CSA-G30.18.
3. BEARING CAPACITY OF BASE MATERIAL BEFORE GRANULAR INSTALLATION TO BE 150 kPA.
4. COMPACTED CLASS "A" TO THE FOLLOWING GRADATION:

ASTM SIEVE	% PASSING
19.0 mm	100
9.51 mm	50-80
4.76 mm	35-60
1.20 mm	15-35
300 um	7-20
75 um	3-6 (PIT SOURCE) 3-8 (ROCK SOURCE)

5. COMPACTED CLASS "B" TO THE FOLLOWING GRADATION:

ASTM SIEVE	% PASSING
50.8 mm	100
25.4 mm	50 - 100
4.76 mm	20 - 55
1.20 mm	10 - 35
300 um	5 - 20
75 um	2 - 6 (PIT SOURCE) 2 - 8 (ROCK SOURCE)

6. WHERE GENERATOR SUPPORT FRAME IS TO BE BOLTED TO CONCRETE SLAB, USE HILTI KWIK BOLTS (DIAMETER TO MATCH HOLES IN FRAME) WITH 100mm EMBEDMENT.



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ELECTRICAL MODIFICATIONS
SIR HUMPHREY GILBERT

drawing dessin

CONCRETE PAD FOR GENERATOR

designed N.H. conçu

date 4-14-21

drawn P.H. dessiné

date 4-14-21

approved N.H. approuvé

date 4-14-21

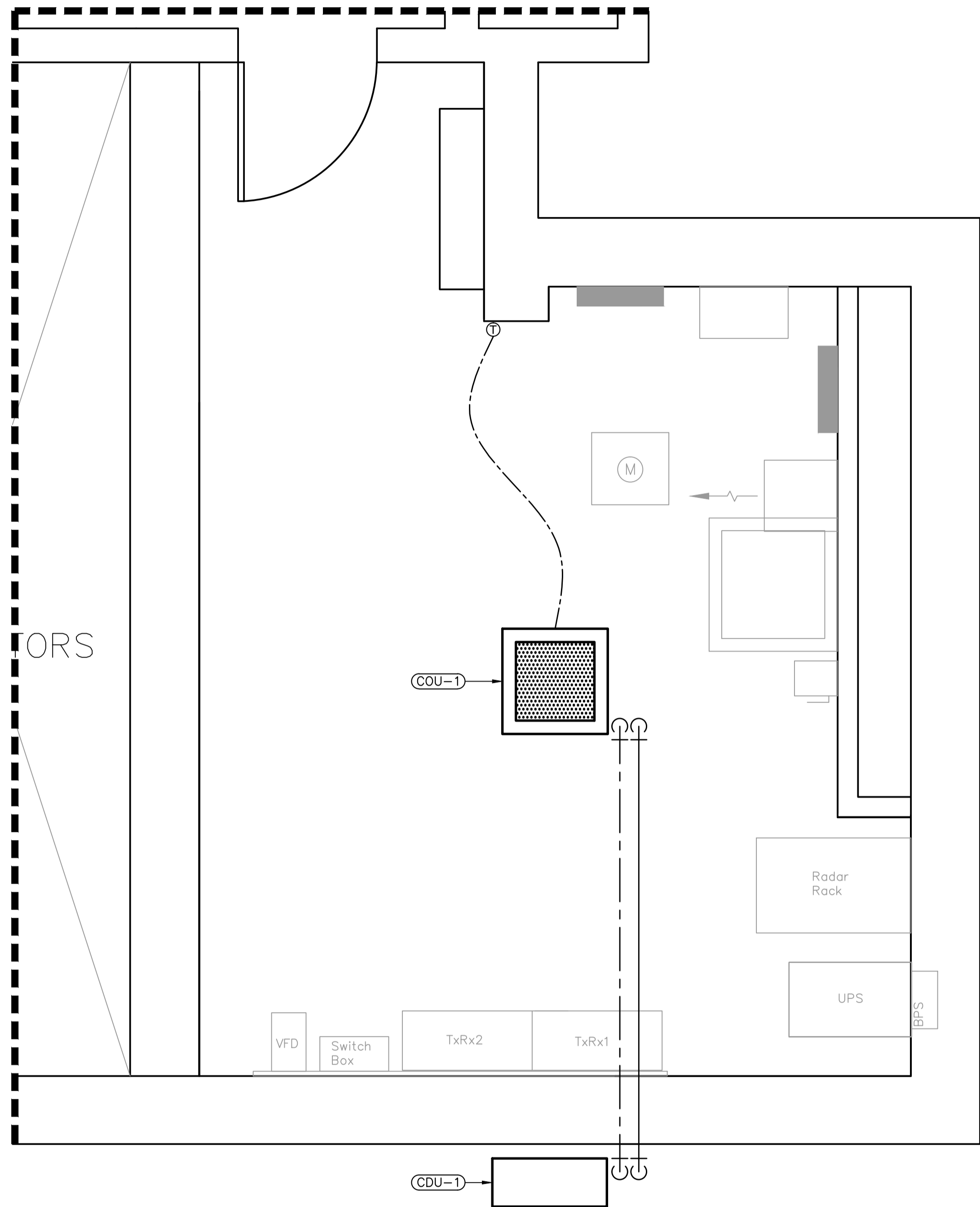
Tender Soumission

project number no. du projet

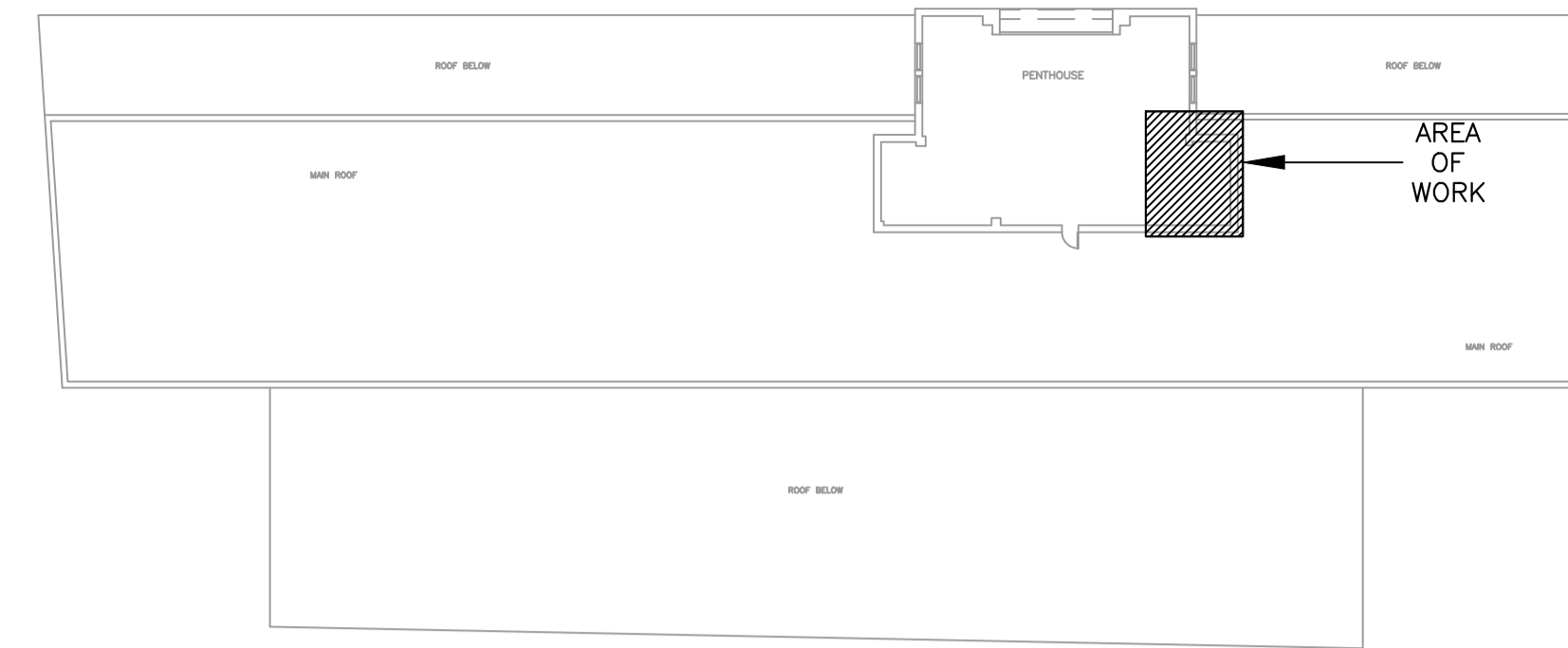
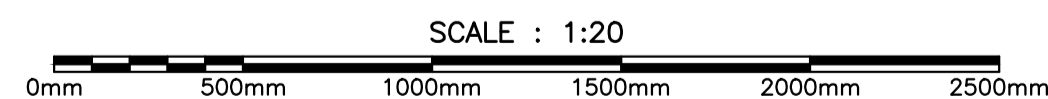
F6839-210677

drawing no. no. du dessin

C1



ENLARGED PENTHOUSE STORAGE ROOM FLOOR PLAN – VENTILATION LAYOUT



KEY PLAN
SCALE: N.T.S

MECHANICAL LEGEND:

- 24 VOLT CONTROL WIRING BY MECHANICAL
- NEW DIGITAL PROGRAMMABLE THERMOSTAT SUPPLIED AND INSTALLED BY MECHANICAL

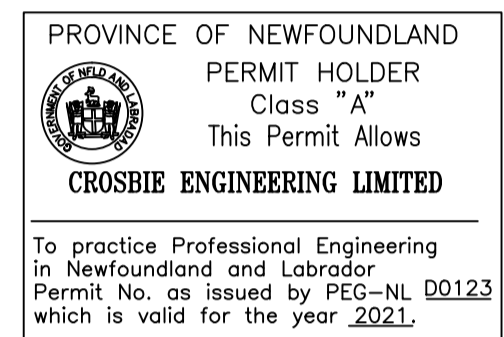
DRAWING NOTES:

- ① HP-1 TO BE MOUNTED ON WALL BRACKET SECURED TO STRUCTURE. CDU-1 TO BE C/W LOW AMBIENT COOLING KIT. COORDINATE EXACT LOCATION ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
- ② TYPICAL CEILING MOUNTED FAN COIL FC 1-5 TO BE SECURED TO STRUCTURE WITH THREADED ROD. DRAIN FOR FC 1-5 TO RUN DOWN WALL AND ANGLE OUT OF WALL THROUGH STAINLESS STEEL ELBOW 600mm ABOVE GRADE.

mechanical & electrical consultant

civil consultant

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project projet

ELECTRICAL MODIFICATIONS-SIR HUMPHREY GILBERT

drawing dessin

ENLARGED PENTHOUSE STORAGE ROOM FLOOR PLAN – VENTILATION LAYOUT

designed N.CLEARY conçu

date 07-19-21

drawn A.LEE dessiné

date 07-19-21

approved N.CLEARY approuvé

date 07-19-21

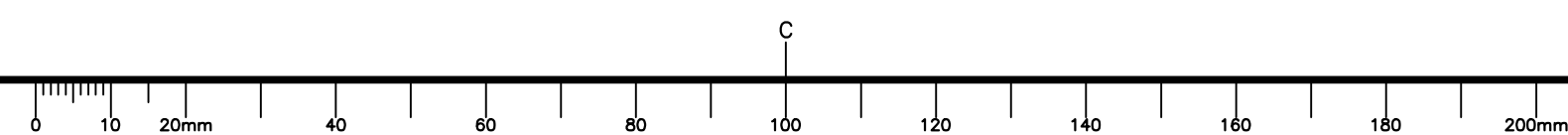
Tender Soumission

project number no. du projet

F6839-210677

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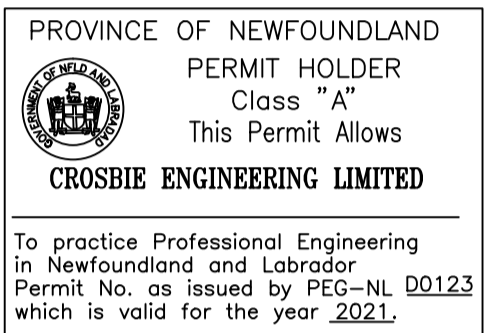
M1



mechanical & electrical consultant

civil consultant

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project project

ELECTRICAL MODIFICATIONS-
SIR HUMPHREY GILBERT

drawing dessin

VENTILATION
SCHEDULES & DETAILS

designed	N.CLEARY	conçu
date	07-19-21	
drawn	A.LEE	dessiné
date	07-19-21	
approved	N.CLEARY	approuvé
date	07-19-21	
Tender		Soumission

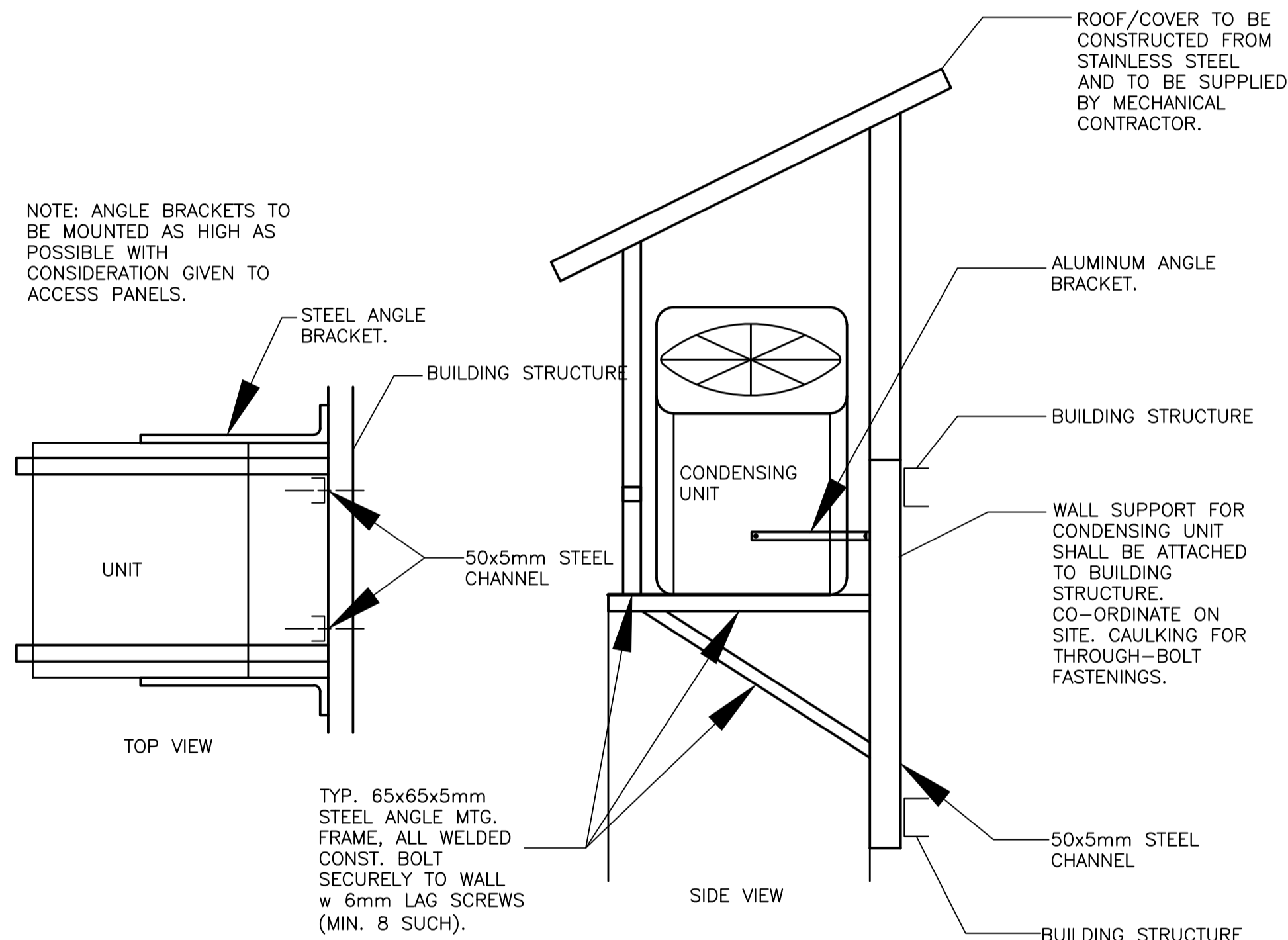
project number no. du projet

F6839-210677

drawing no. no. du dessin

M2

SPLIT SYSTEM EQUIPMENT SCHEDULE																		
DWG TAG	MANUFACTURER	MODEL	COOLING BTU/h	SEER	FAN DATA					COMPRESSOR DATA		ELECTRICAL DATA		FILTERS	EQUIP MOUT.	REFRIG. PIPING		REMARKS
					CAPACITY	EXT. SP	WATTS	FLA	R.P.M.	RLA	LRA	CCT. BRKR.	VOLT/Ph/Hz			LIQUID	GAS	
COU-1	-	CEILING CASSETTE STYLE EVAPORATOR	12,000	-	192-126 L/s	N/A	-	-	-	-	-	MOCP = - MCA = -	208-230/1/60	SUPPLIED WITH UNIT	CEILING MOUNTED	6.35mm	9.5mm	TYPICAL MINI SPLIT AIR CONDITIONING SYSTEM, WITH CEILING CASSETTE TYPE FAN COIL UNIT. SYSTEM TO BE C/W R-410A REFRIGERANT (PRE-CHARGED), REFRIGERANT PIPING, SOLENOID VALVES, "INTELLIGENT" WALL MTD. CONTROLLER, ELECTRICAL DISCONNECTS, MOUNTING PLATES, VARIABLE COMPRESSOR SPEED, BUILT-IN HIGH PERFORMANCE DRAIN PUMP, AUTO RESTART, SELF DIAGNOSTIC FEATURE SYSTEM. MAINTAIN ALL REQ'D CLEARANCES AND INSTALL TO MANUFACTURER'S GUIDELINES. SUPPLY AND INSTALL CONDENSATE PUMP (C/W RESERVOIR & FLOAT CONTROL) WITH CONNECTION WIRING TO FAN COIL UNIT (COU). GRAVITY DRAINAGE IS PREFERRED IF CONFIGURATION ALLOWS. OUTDOOR WIND GUARD TO BE INSTALLED ON OUTDOOR UNIT. UNIT TO BE SUPPLIED WITH HEATED DRAIN PAN OPTION. SUPPLIER OF MINI SPLIT TO PROVIDE DETAILED SHOP DRAWING OUTLINING SIZES & ALL REQUIRED INSULATION DETAILS. ALL CASSETTES TO HAVE BUILT IN DRAIN PUMP. PIPE ALL DRAINAGE AS INDICATED TO DRAIN.
CDU-1	-	WALL MOUNTED CONDENSING UNIT	12,000	20.20	-	N/A	-	-	-	-	-	MOCP = 15A MCA = 9.1A	208-230/1/60	SUPPLIED WITH UNIT	WALL MOUNTED	6.35mm	9.5mm	
NOTES -																		
1.) SPLIT - TYPE A/C SYSTEM, FAN COIL UNITS (COU) AND CONDENSER (CDU). FAN COIL (COU) TO BE C/W REFRIGERANT SOLENOID VALVE AND FLANGE FOR VENTILATION AIR INTAKE. UNITS TO BE C/W INDIVIDUAL POWER POINT CONNECTION BOXES & DISCONNECTS, CONTROL WIRING.																		
2.) COORDINATE INSTALLATION ON-SITE. INSTALL ALL EQUIPMENT AND PIPING TO MANUFACTURER'S GUIDELINES.																		
3.) LOW AMBIENT KIT.																		

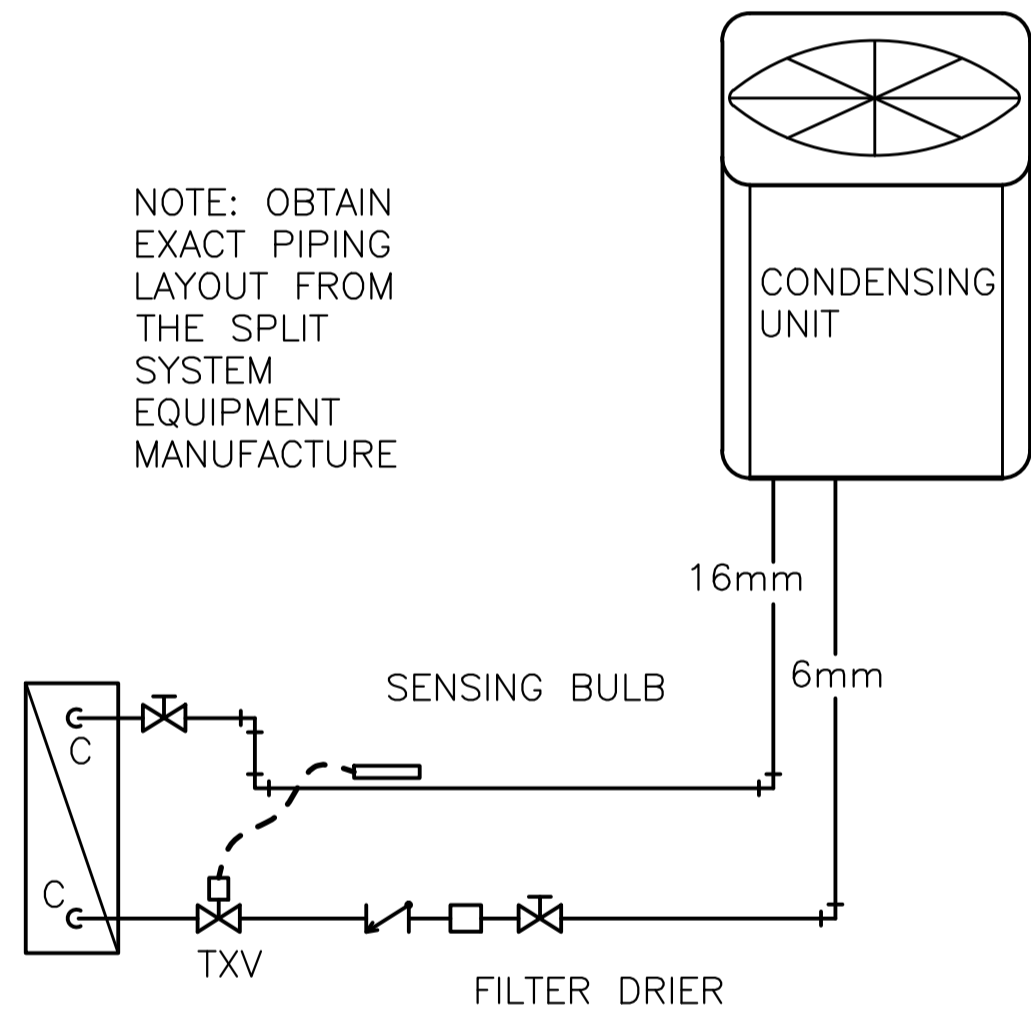


CONDENSING UNIT WALL BRACKET W/ COVER

SCALE: N.T.S.

2

M2

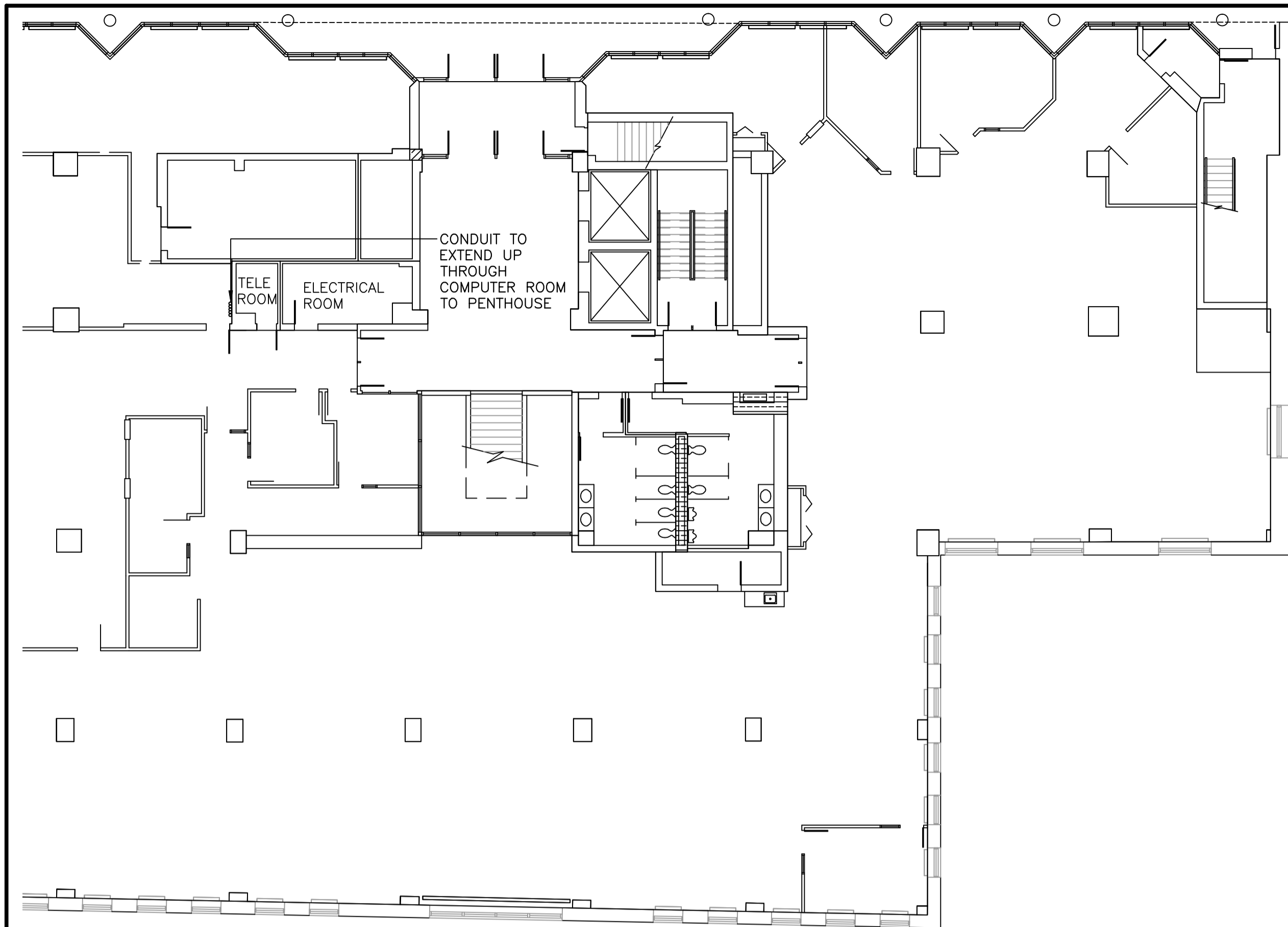


REFRIGERATION PIPING SCHEMATIC

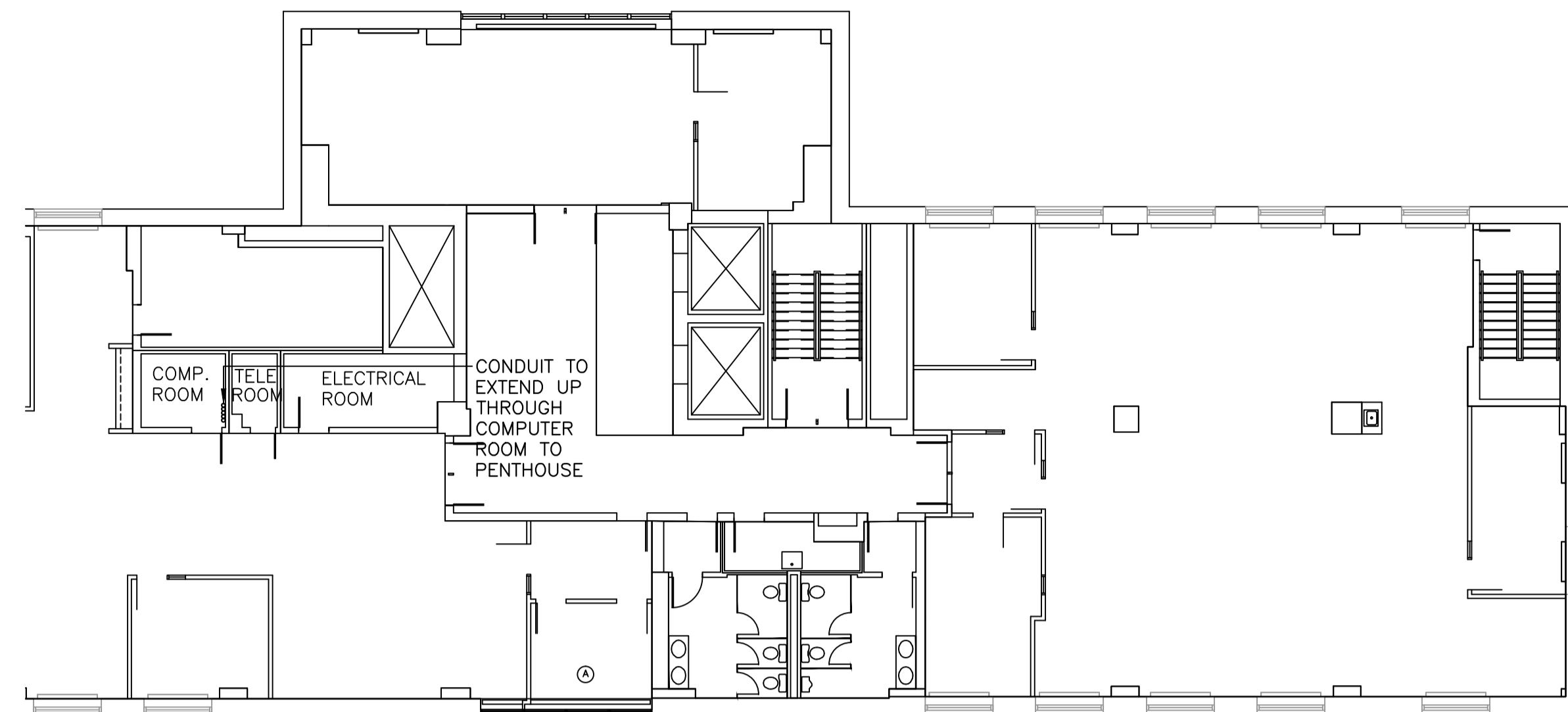
SCALE: N.T.S.

1

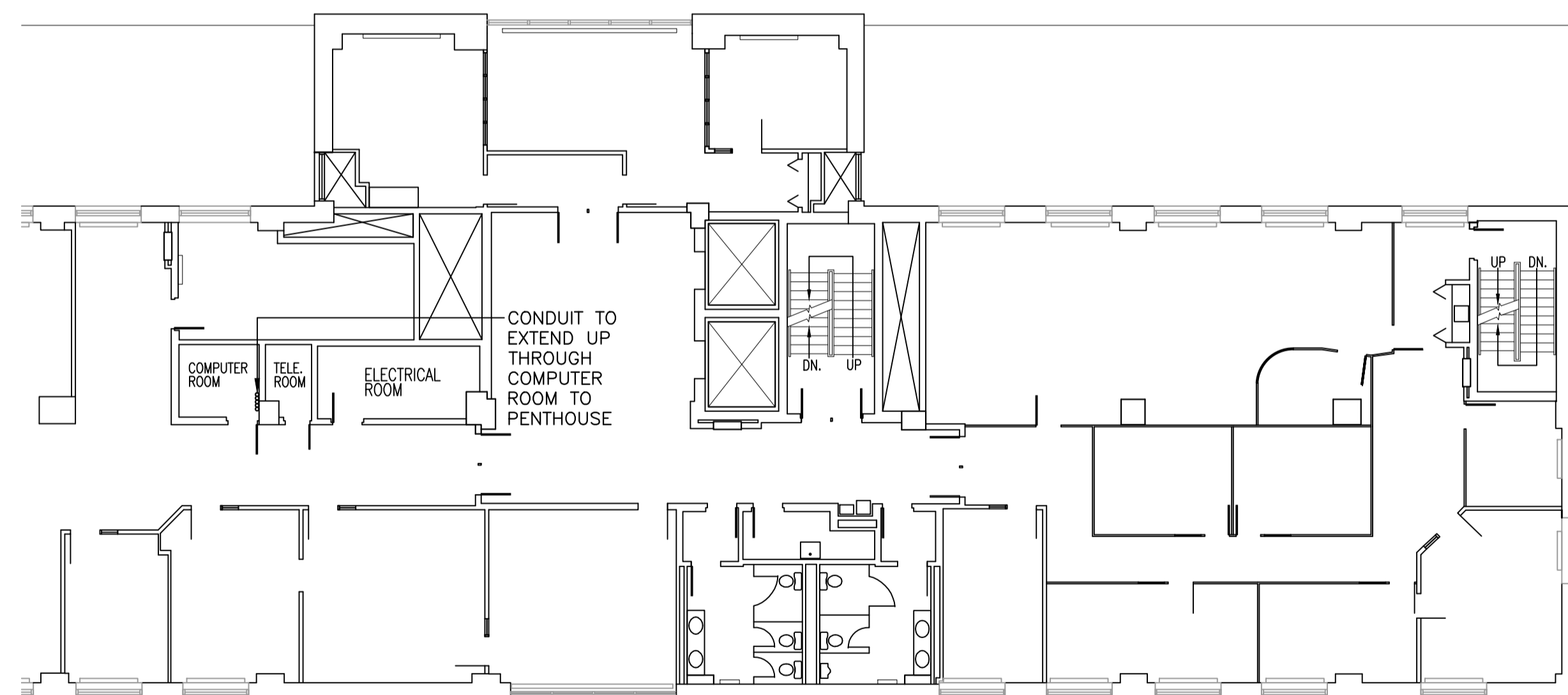
M2



PARTIAL SECOND FLOOR PLAN – POWER LAYOUT
SCALE : 1:150



PARTIAL THIRD FLOOR PLAN – POWER LAYOUT
SCALE : 1:150



PARTIAL FOURTH FLOOR PLAN – POWER LAYOUT
SCALE : 1:150

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civil consultant

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PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
Class "A"
This Permit Allows
CROSBIE ENGINEERING LIMITED
To practice Professional Engineering
in Newfoundland and Labrador
Permit No. as issued by PEG-NL D0123
which is valid for the year 2021.

stamp



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project project

ELECTRICAL MODIFICATIONS –
SIR HUMPHREY GILBERT

drawing dessin

PARTIAL SECOND,
THIRD AND FOURTH
FLOOR PLAN – POWER
LAYOUT

designed K.NEIL conçu

date 10-22-20

drawn R.JACKMAN dessiné

date 10-22-20

approved K.NEIL approuvé

date 10-22-20

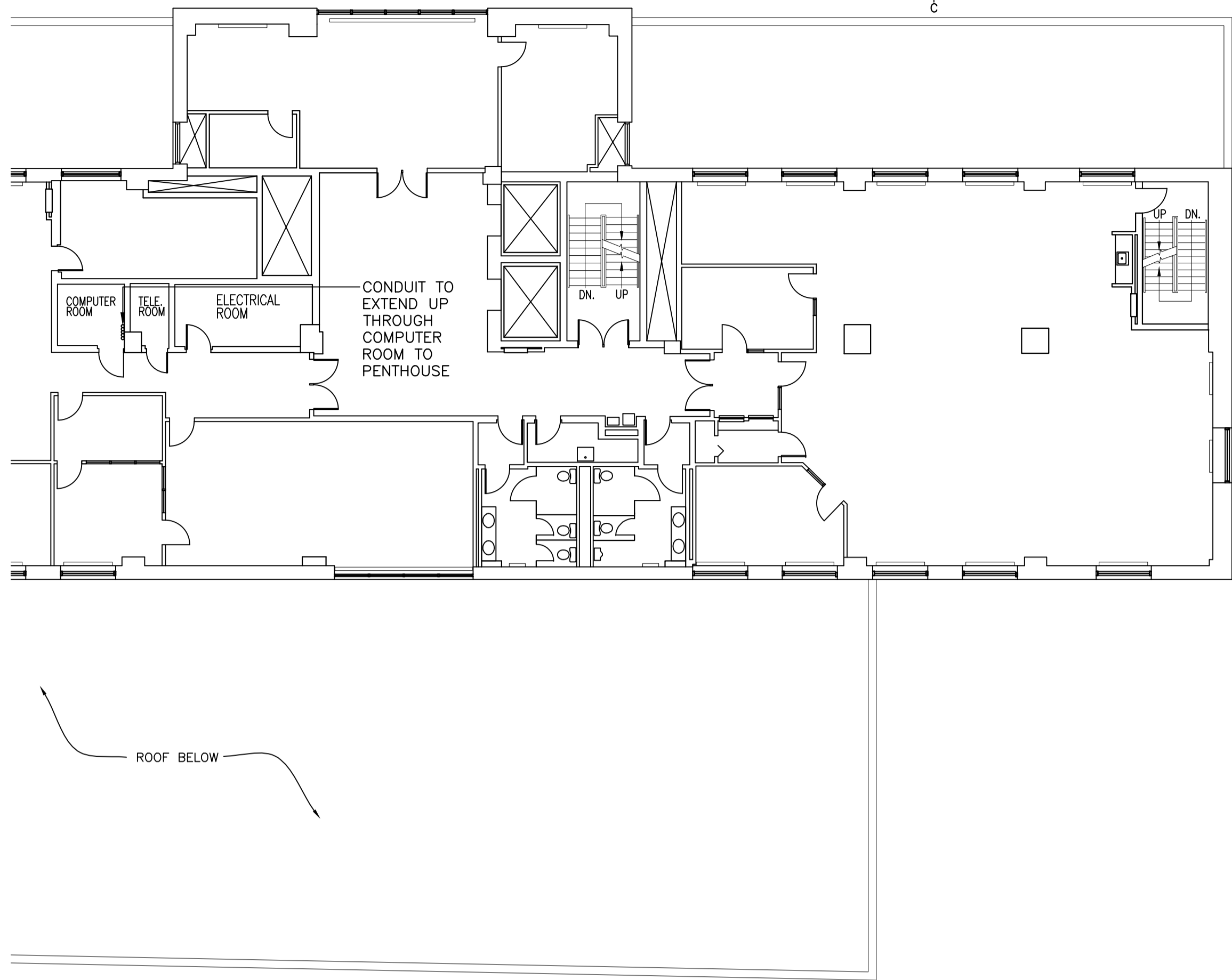
Tender Soumission

project number no. du projet

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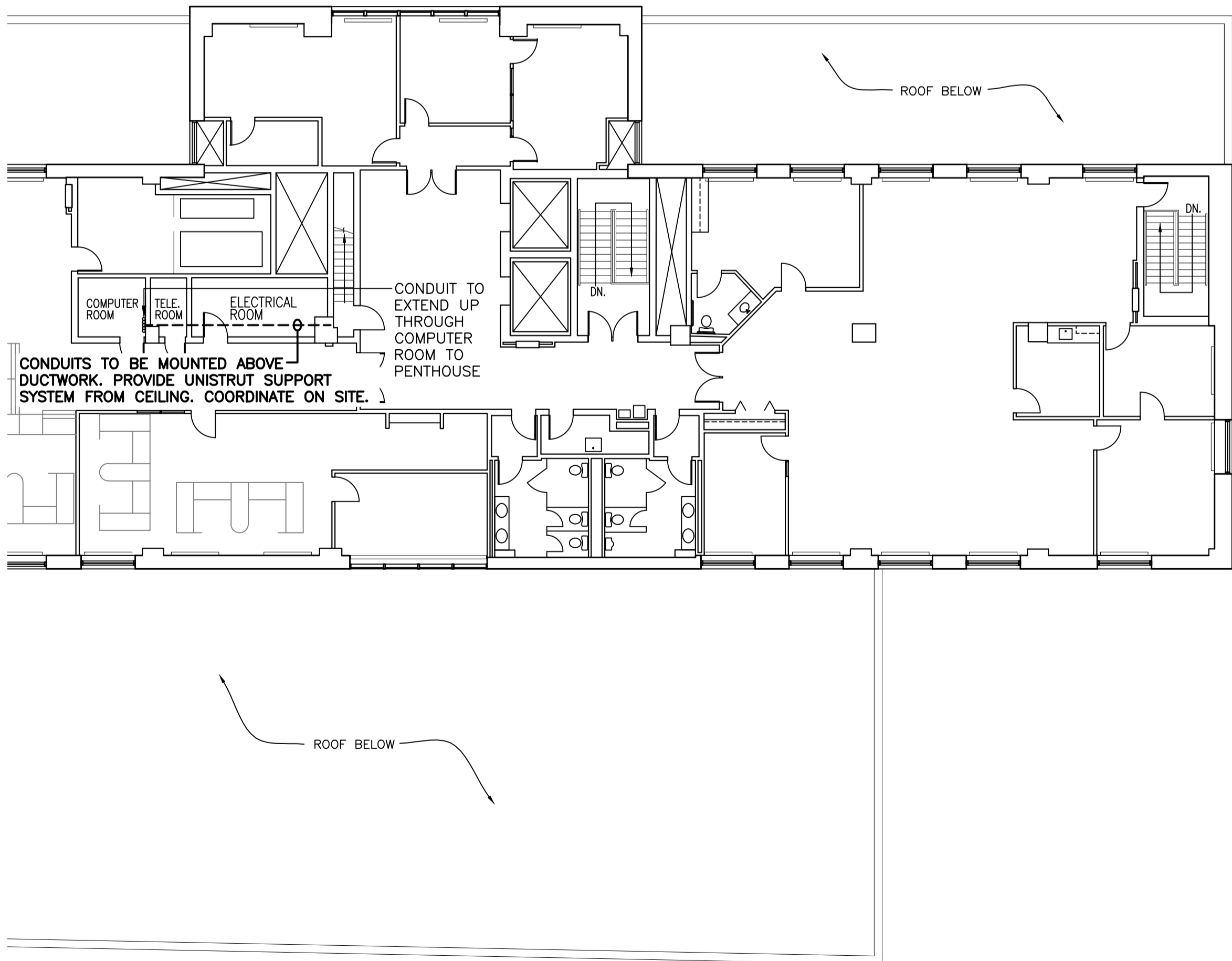
drawing no. no. du dessin

E2



PARTIAL FIFTH FLOOR PLAN – POWER LAYOUT

SCALE : 1:150
0m 5m 10m 15m



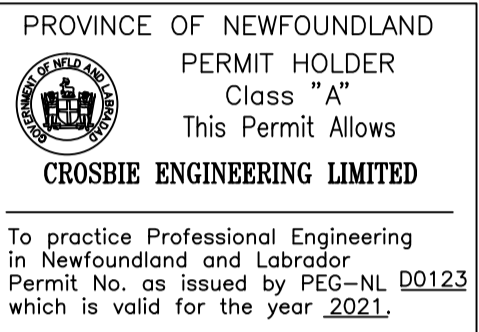
PARTIAL SIXTH FLOOR PLAN – POWER LAYOUT

SCALE : 1:150
0m 5m 10m 15m

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civil consultant

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project project

ELECTRICAL MODIFICATIONS –
SIR HUMPHREY GILBERT

drawing dessin

PARTIAL FIFTH AND
SIXTH FLOOR PLAN –
POWER LAYOUT

designed K.NEIL conçu

date 10-22-20

drawn R.JACKMAN dessiné

date 10-22-20

approved K.NEIL approuvé

date 10-22-20

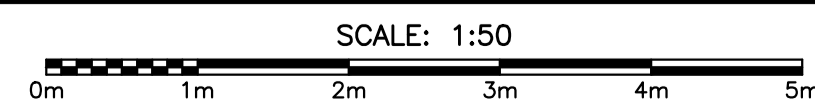
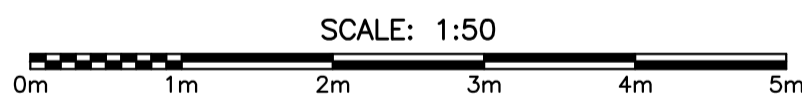
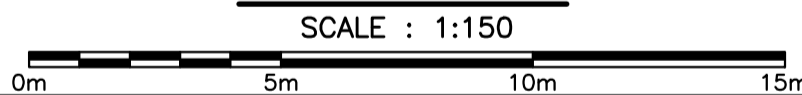
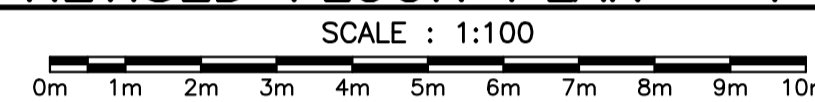
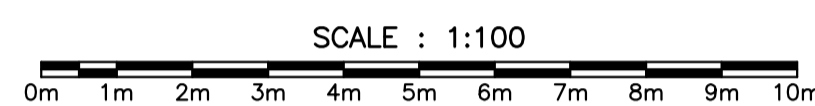
Tender Soumission

project number no. du projet

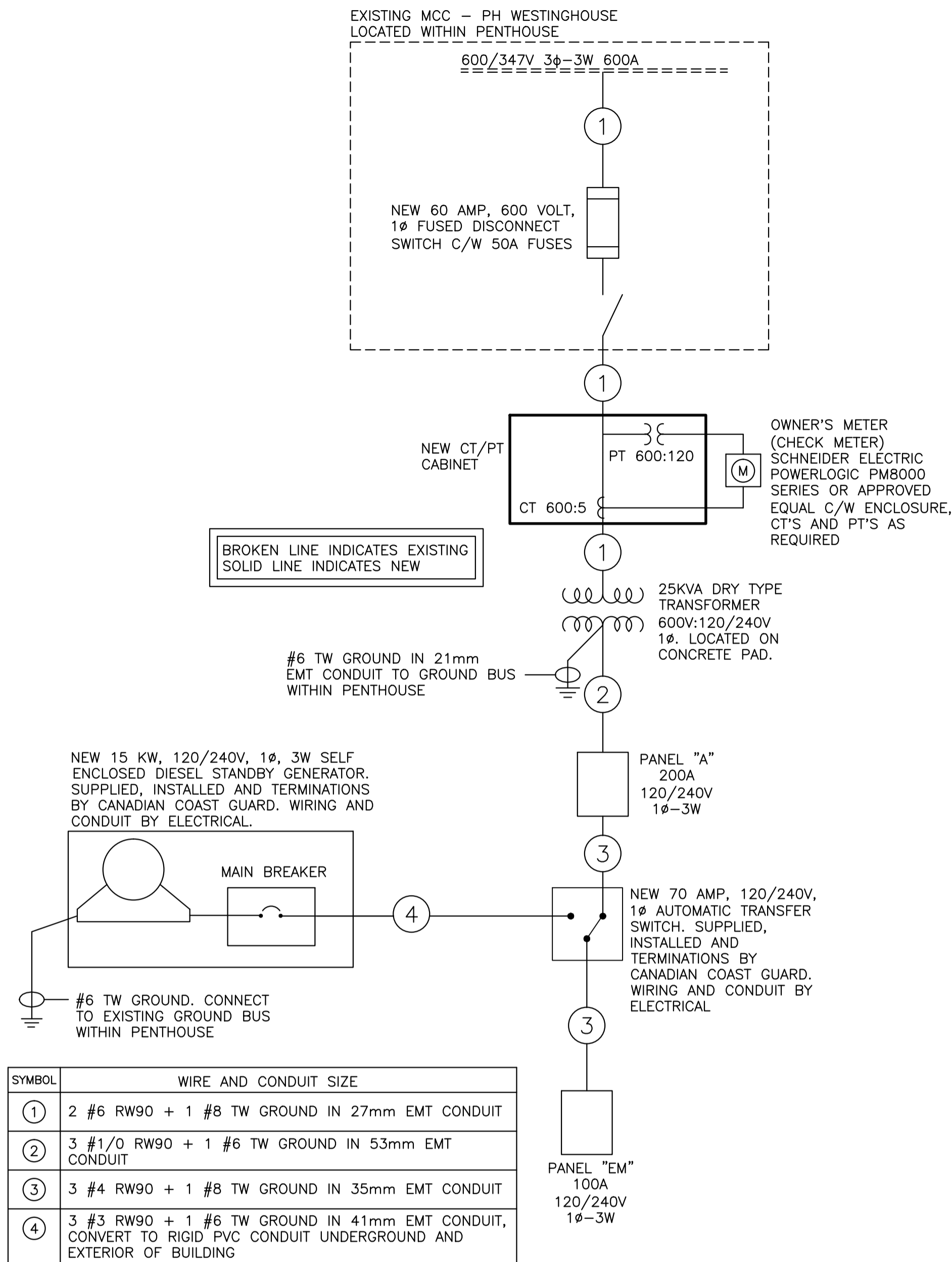
F6839-210677

drawing no. no. du dessin

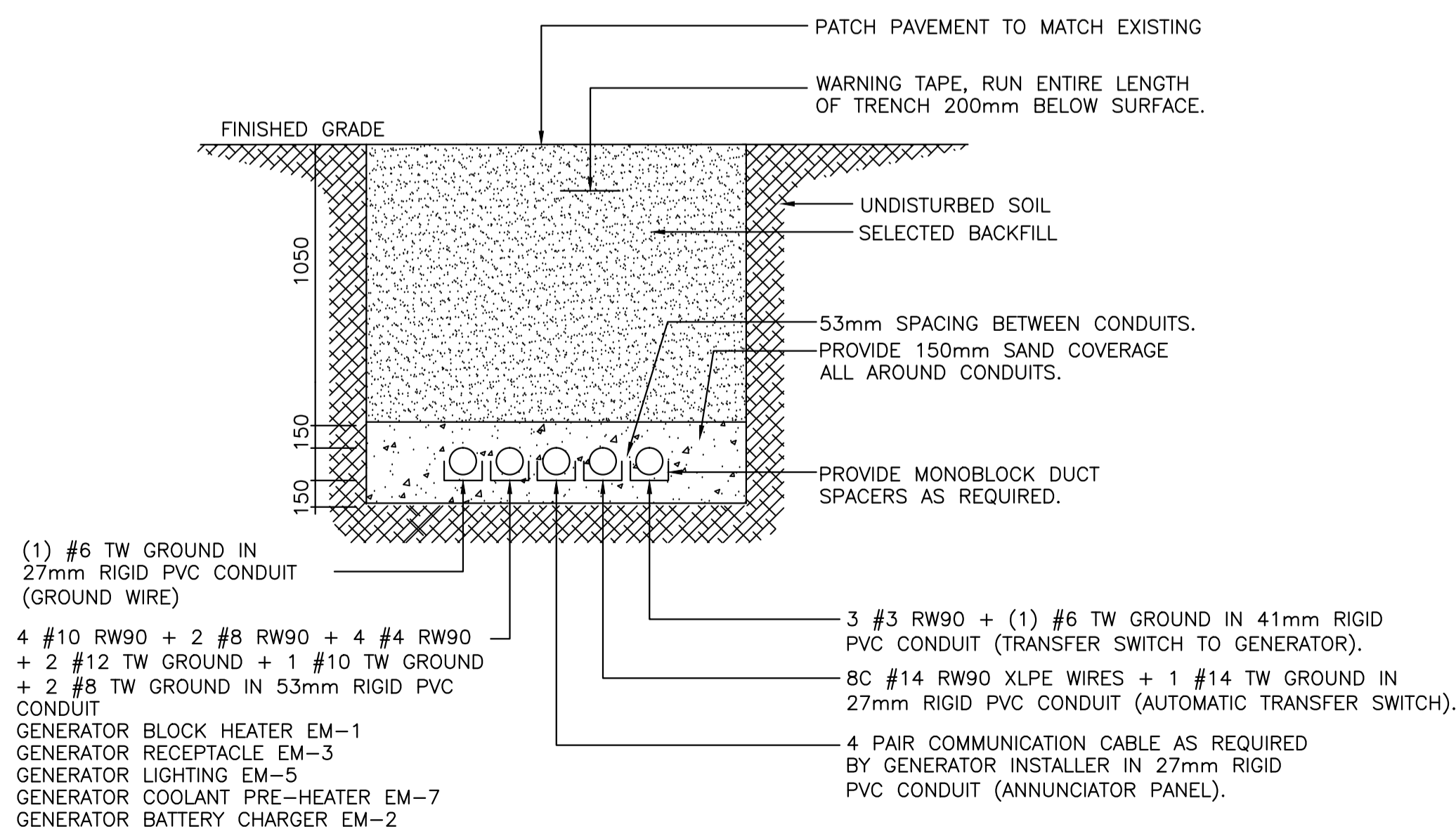
E3



E-DRM/GDD-E:



PARTIAL SINGLE LINE DIAGRAM
N.T.S.



TRENCH DETAIL
SCALE : N.T.S.

VOLTS	120/240	PANEL NAME	A	MAINS RATED	200 AMPS	C/W MAIN BREAKER
PHASE	1	LOCATION	PENTHOUSE	MOUNTING	SURFACE	
WIRE	3	FED FROM	TRANSFORMER	CIRCUITS	24	

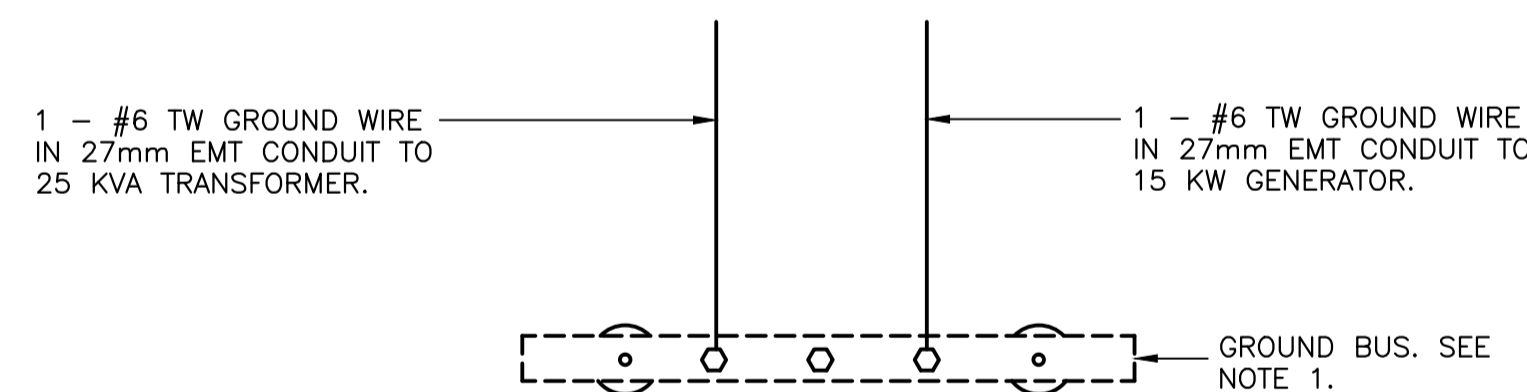
DESIGNATION	WATTAGE ϕ A ϕ B	WIRE	BKR	CCT	A B	CCT	BKR	WIRE	WATTAGE ϕ A ϕ B	DESIGNATION
LIGHTING - STORAGE ROOM	200		12	15	1	2	15			SPARE
* EXIT/EMERGENCY LIGHTING		200	12	15	3	4	15			SPARE
SPARE			15	5		6	15			SPARE
SPARE			15	7		8	15			SPARE
SPARE			15	9		10	15			SPARE
SPARE			15	11		12	15			SPARE
SPARE			15	13		14	15			SPARE
SPARE			15	15		16	15			SPARE
SPARE			15	17		18	15			SPARE
SPARE			15	19		20	15			SPARE
SPARE			20	21		22	70	4	2950	PANEL 'EM'
SPARE			20	23		24	2	4	3130	
ϕ A TOTAL : 3330										
ϕ B TOTAL : 3150										
TOTAL LOAD 6.48 KW 27 AMP										

* - INDICATES LOCK ON DEVICE
** - INDICATES GROUND FAULT CIRCUIT BREAKER
*** - CONFIRM EXACT ELECTRICAL REQUIREMENTS PRIOR TO ORDERING MATERIALS.

VOLTS	120/240	PANEL NAME	EM	MAINS RATED	100 AMPS
PHASE	1	LOCATION	PENTHOUSE	MOUNTING	SURFACE
WIRE	3	FED FROM	PANEL "A"	CIRCUITS	42

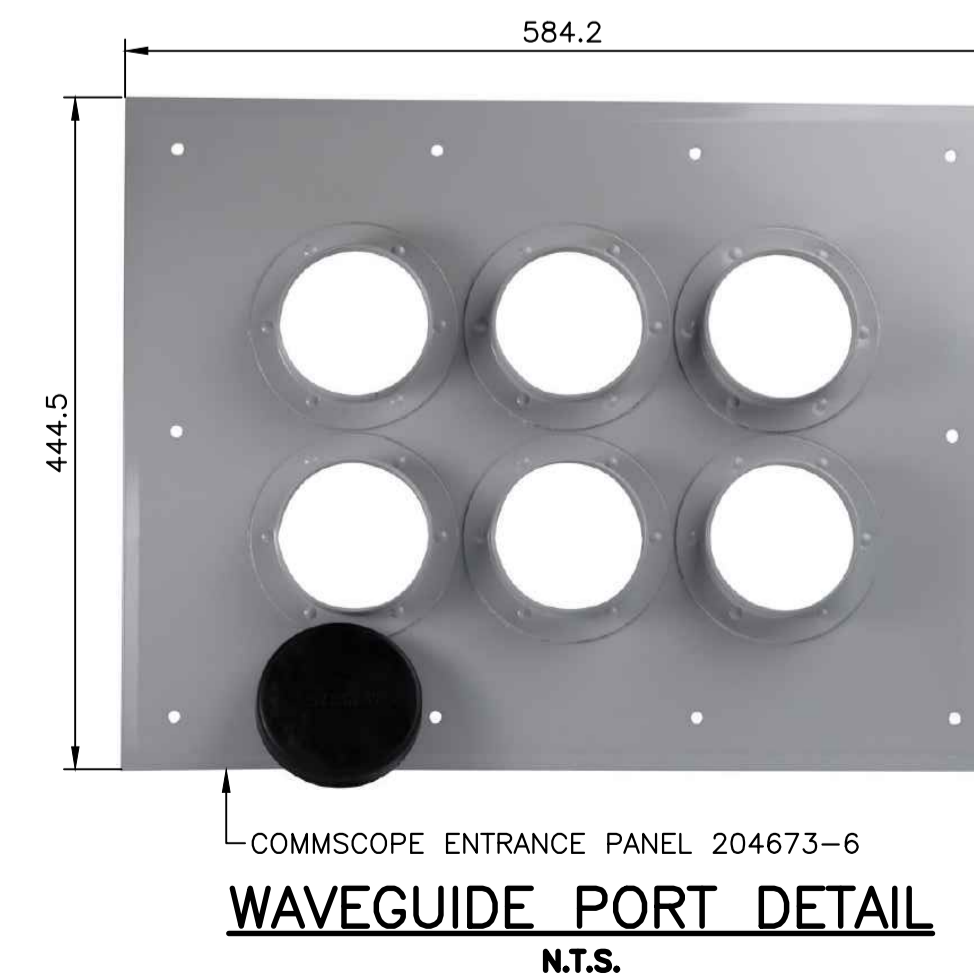
DESIGNATION	WATTAGE ϕ A ϕ B	WIRE	BKR	CCT	A B	CCT	BKR	WIRE	WATTAGE ϕ A ϕ B	DESIGNATION
BLOCK HEATER (GEN)	1500		4	20	1	2	15	10	200	BATTERY CHARGER (GEN)
RECEPTACLE (GEN)		200	4	15	3	4	15			SPARE
LIGHTING (GEN)	100		10	15	5	6	2			SPARE
COOLANT PRE-HEATER (GEN)		500	8	15	7	8	20			SPARE
CDU-1,COU-1 (MOC:P:15, MCA:9.1)	857		12	15	9	10	15			SPARE
SPARE				15	11	12	15			SPARE
SPARE				15	13	14	15			SPARE
SPARE				15	15	16	15			SPARE
SPARE				15	17	18	15			SPARE
SPARE				15	19	20	15			SPARE
SPARE				15	21	22	15			SPARE
SPARE				15	23	24	15			SPARE
SPARE				15	25	26	15			SPARE
SPARE				15	27	28	15			SPARE
SPARE				15	29	30	15			SPARE
SPARE				15	31	32	15			SPARE
SPARE				15	33	34	15			SPARE
SPARE				15	35	36	15			SPARE
SPARE				15	37	38	15			SPARE
SPARE				15	39	40	15			SPARE
SPARE				15	41	42	15			SPARE
ϕ A TOTAL : 2033										
ϕ B TOTAL : 700										
TOTAL LOAD 2.733 KW 12 AMP										

* - INDICATES LOCK ON DEVICE
** - INDICATES GROUND FAULT CIRCUIT BREAKER
*** - CONFIRM EXACT ELECTRICAL REQUIREMENTS PRIOR TO ORDERING MATERIALS.



NOTES:
1. EXISTING GROUND BUS WITHIN PENTHOUSE.

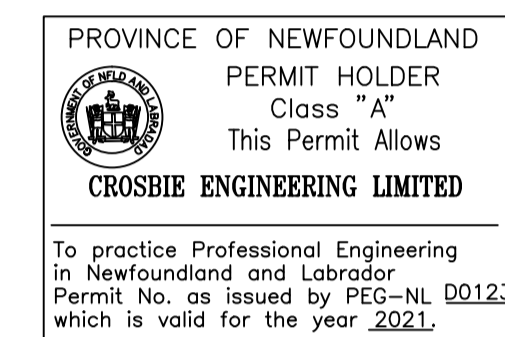
GROUND BUS DETAIL
N.T.S.



mechanical & electrical consultant

civil consultant

permit



stamp



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project

**ELECTRICAL MODIFICATIONS -
SIR HUMPHREY GILBERT**

drawing

ELECTRICAL DETAILS

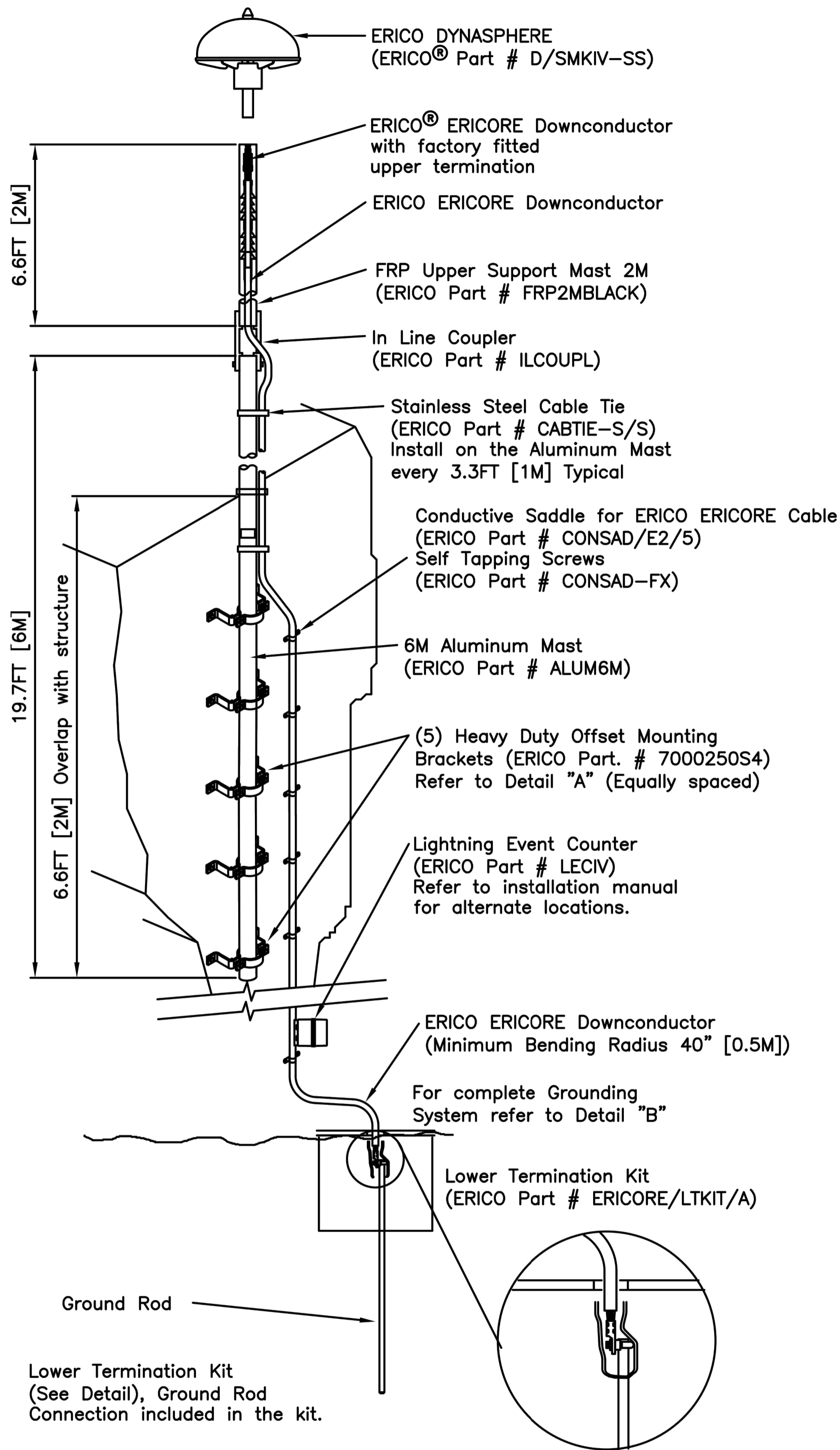
designed	K.NEIL	conçu
date	10-22-20	
drawn	R.JACKMAN	dessiné
date	10-22-20	
approved	K.NEIL	approuvé
date	10-22-20	
Tender		Soumission

project number

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drawing no.

E5



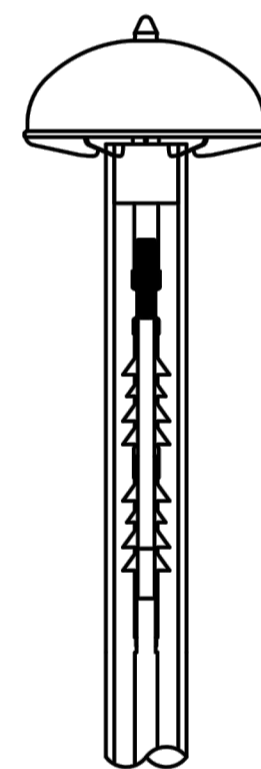
Lower Termination Kit
(See Detail), Ground Rod
Connection included in the kit.

Suggested three radial grounding system for each downconductor:

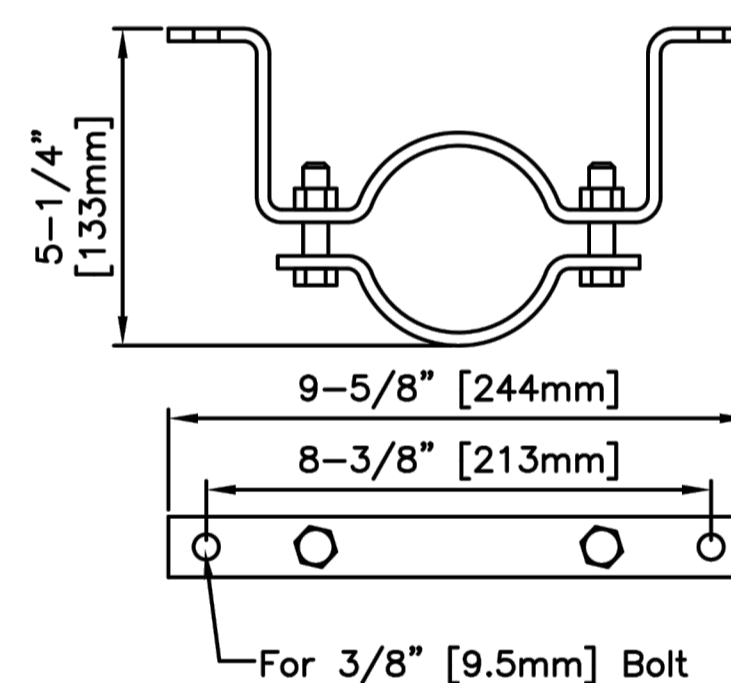
The grounding system shown in the detail is a suggested layout. Each radial consists of a trench approximately 1.5FT [0.45M] deep. 3 x 20FT [6.1M] of 2/0 conductor is laid in the trench and is connected to ground rods. The conductor in each trench is encased in GEM material. Ground rods must extend 10FT [3M] below ground level.

Note: This is one of several alternative installation methods. Refer to ERICO instruction print IP79157 for more details. ERICO is not responsible for field installaion of lightning protection systems. The installation integrity of each system should be approved and stamped by a structural professional engineer.

Final position of the
FRP Mast and the
ERICO DYNASPHERE

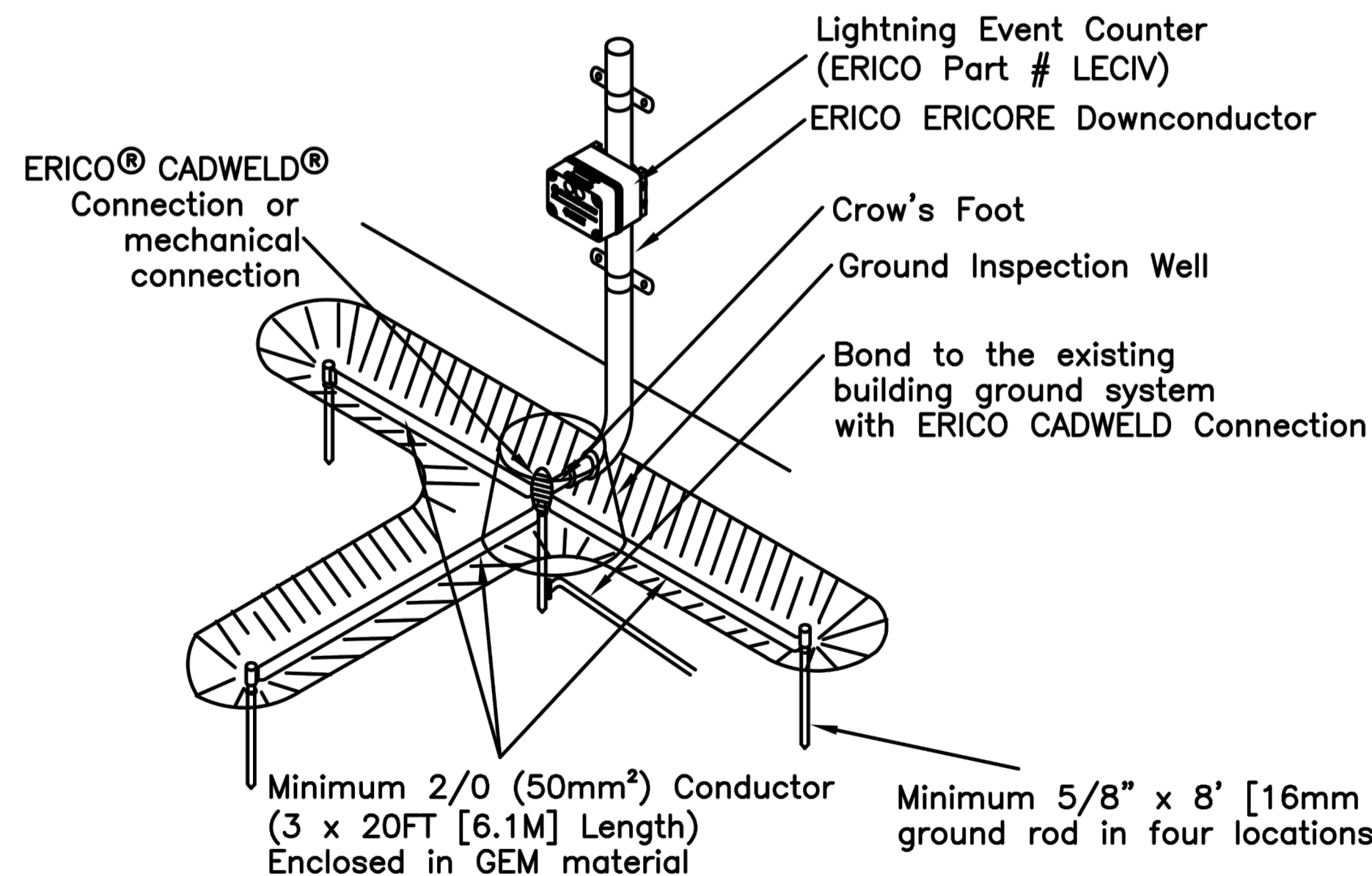


Detail "A"



90 DEGREE BENDS ARE NOT
PERMISSIBLE FOR
DOWNCONDUCTOR.
COORDINATE EXACT ROUTING
OF DOWNCONDUCTOR WITH
SYSTEM SUPPLIER ON SITE.

Detail "B"



nVENT ERICO SYSTEM 3000 LIGHTNING PROTECTION SYSTEM TO BE C/W ALL EQUIPMENT AND HARDWARE AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. CONTRACTOR SHALL ARRANGE FOR SUPPLIERS, EQUIPMENT MANUFACTURERS, AND/OR OTHERS AS REQUIRED FOR ALL COMMISSIONING ACTIVITIES OF THIS SYSTEM. ENSURE PROPER OPERATION OF EQUIPMENT. MAKING NECESSARY CORRECTIONS AS REQUIRED. PROVIDE DEPARTMENTAL REPRESENTATIVE WITH COPY OF MANUFACTURER'S TRAINING MANUAL. PROVIDE COMMISSIONING REPORT INCLUDING LIST OF ATTENDEES AND DATE OF ON SITE COMMISSIONING. ALL COSTS ASSOCIATED WITH COMMISSIONING REQUIREMENTS SHALL BE INCLUDED WITHIN TENDER PRICE. TYPICAL SYSTEM MAY INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

LIGHTNING PROTECTION

- 1 - ERICO DYNASPHERE, MKIV, SS (D/SMKIVSS)
- 2 - ERICO ERICORE FIBREGLASS MAST, 78.74", BLACK (FRP2MBLACK)
- 3 - MAST COUPLER (ILCOUPL)
- 4 - ALUMINUM MAST, 13.123' (ALUM4M)
- 5 - HEAVY DUTY, OFFSET MOUNTING BRACKET, SS (7000250S4)
- 6 - MECHANICAL LIGHTNING EVENT COUNTER (LECV)
- 7 - ERICO ERICORE DOWNCONDUCTOR, 130m, WITH FACTOR TERMINATION (ERICORE130T)
- 8 - ERICO ERICORE LOWER TERMINATION KIT (ERICORE/LTKIT/A)
- 9 - ERICO ERICORE CONDUCTOR SADDLE (CONSADE25)
- 10 - ERICO ERICORE CONDUCTOR SADDLE FASTENER (CONSADFX)
- 11 - COPPER GROUND BUSBAR, 1/4" X 4" X 8" (EGBA14408BB)
- 12 - ERICO ERICORE SPLICE (ERICORE/UTSP)
- 13 - TERMINAL ADAPTOR (TERMLUGCOUP)

GROUNDING

- 14 - COPPER-BONDED GROUND ROD, POINTED, 3/4" DIA, 10', 10 MIL PLATING, 12.6LB (613400)
- 15 - CADWELD MOLD, 2/0 CONCENTRIC CONDUCTOR TO 3/4" GROUND ROD (GYE182G)
- 16 - ERICO CADWELD PLUS WELDING MATERIAL, F20, ORANGE (115PLUSF20)
- 17 - NON-INSULATED STRANDED CONDUCTOR, 0.5" DIA, 133 KCMIL, 2/0 STRANDED (A800A09F65)
- 18 - GROUND ENHANCEMENT MATERIAL, 25LB, BAG WITH HANDLES (GEM25A)
- 19 - INSPECTION HOUSING, HIGH DENSITY POLYETHYLENE (HDPE), 13.1" OD, 10" (T416B)
- 20 - CLAMP, HANDLE, E-Z CHANGE 3 IN (L160)
- 21 - CARD CLOTH BRUSH (T313)
- 22 - MOLD CLEANING BRUSH, NARROW (T394)
- 23 - GROUND ROD DRIVE SLEEVE FOR POINTED GROUND RODS, 3/4" DIA, 6" (B13718)
- 24 - nVENT ERICO CADWELD PLUS IMPULSE EXOTHERMIC WELDING CONTROL UNIT, 6' CABLE (PLUSCU2L6)

GENERAL & INSTALLATION NOTES

1. INSTALL THE DYNASPHERE MAST IN LOCATION INDICATED ON THE DRAWING. ALL OBJECTS ON TOP OF THE ROOF SHALL BE BONDED AS REQUIRED BY CODES.
2. MAINTAIN HORIZONTAL OR DOWNWARD COURSING OF MAIN CONDUCTORS INSURING THAT CONDUCTOR BENDS ARE NOT LESS THAN 90° NOR LESS THAN 8" RADIUS.
3. ATTACHED ALL EXPOSED ROOF, DOWN LEADS AND BONDING CABLES AT 3'-0" ON CENTER MAXIMUM. TO INSURE COMPATIBILITY, THE ROOFING CONTRACTOR SHOULD FURNISH ALL CABLE HOLDER ADHESIVE.
4. GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN. DRIVEN RODS SHALL PENETRATE THE EARTH AT LEAST 10'-0". THEY SHALL BE A MINIMUM OF 1'-0" BELOW FINISHED GRADE AND 2'-0" FROM FOUNDATION WALL.
5. CONNECTIONS TO GROUND LOOP CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 24" BELOW GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
6. BOND LIGHTNING PROTECTION SYSTEM TO MAIN GROUND BUS IN MAIN ELECTRICAL ROOM AND AS REQUIRED BY CODES
7. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE AND OTHER BUILDING GROUND SYSTEMS.
8. BOND ALL METALS WITHIN 6'-0" OF THE LIGHTNING PROTECTION SYSTEM AS REQUIRED BY CODE.
9. ALL MATERIALS TO BE MANUFACTURED BY SYSTEM SUPPLIER. NVENT/ERICO OR APPROVED EQUAL.

ADDITIONAL PROJECT NOTES

10. INSTALLATION OF THE DYNASPHERE SHALL BE PERFORMED IN ACCORDANCE WITH NVENT/ERICO INSTALLATION MANUAL ALL OTHER LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE UL 96 LISTED AND BE INSTALLED FOLLOWING STANDARD NFPA 780.
11. GROUNDING LOCATIONS ARE FOR REFERENCE ONLY. ACTUAL LOCATION TO BE DETERMINED BY INSTALLER.
12. STRUCTURAL ENGINEER SHALL VERIFY MOUNTING SURFACE AND MEANS OF ATTACHMENT TO PROPERLY SUPPORT THE DYNASPHERE LIGHTNING PROTECTION SYSTEM TO WITHSTAND THE FORCES ACTING THEREON.
13. PLANS FOR THESE DESIGNS MUST BE STAMPED BY A REGISTERED STRUCTURAL ENGINEER LICENSED TO PRACTICE WITHIN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR AND TO BEAR A LICENCE TO PRACTICE STAMP FROM PROFESSIONAL ENGINEERS AND GEOSCIENTIST OF NEWFOUNDLAND AND LABRADOR. PLANS SHALL CLEARLY SHOW ALL LOADING CRITERIA USED IN DESIGN.
14. CONTRACTOR TO SUPPLY AND INSTALL ALL MATERIAL, WIRING, CONDUIT, MOUNTING HARDWARE, BRACKETS, SCREWS, BOLTS, CABLES, WELDING, ETC. AS RECOMMENDED BY THE MANUFACTURER IN ORDER TO PROVIDE A COMPLETE OPERATIONAL SYSTEM. CONTRACTOR SHALL ALSO ALLOW IN TENDER PRICE ALL COST ASSOCIATED WITH THE MANUFACTURER VISITING THE SITE DURING EQUIPMENT INSTALLATION TO ENSURE COMPLETE SYSTEM IS INSTALLED AND WORKING AS PER MANUFACTURERS INSTRUCTIONS. AT THE COMPLETION OF WORK THE CONTRACTOR SHALL PROVIDE A LETTER ISSUED BY THE MANUFACTURER STATING THAT THE COMPLETE SYSTEM IS OPERATIONAL AND WORKING AS PER THE MANUFACTURERS INSTRUCTIONS.

Public Works and
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mechanical & electrical consultant

civil consultant

permit



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0	ISSUED FOR TENDER	10/18 2021
B	ISSUED FOR FINAL REVIEW	09/24 2021
A	ISSUED FOR REVIEW	07/19 2021
revisions		date
project		projct

ELECTRICAL MODIFICATIONS -
SIR HUMPHREY GILBERT

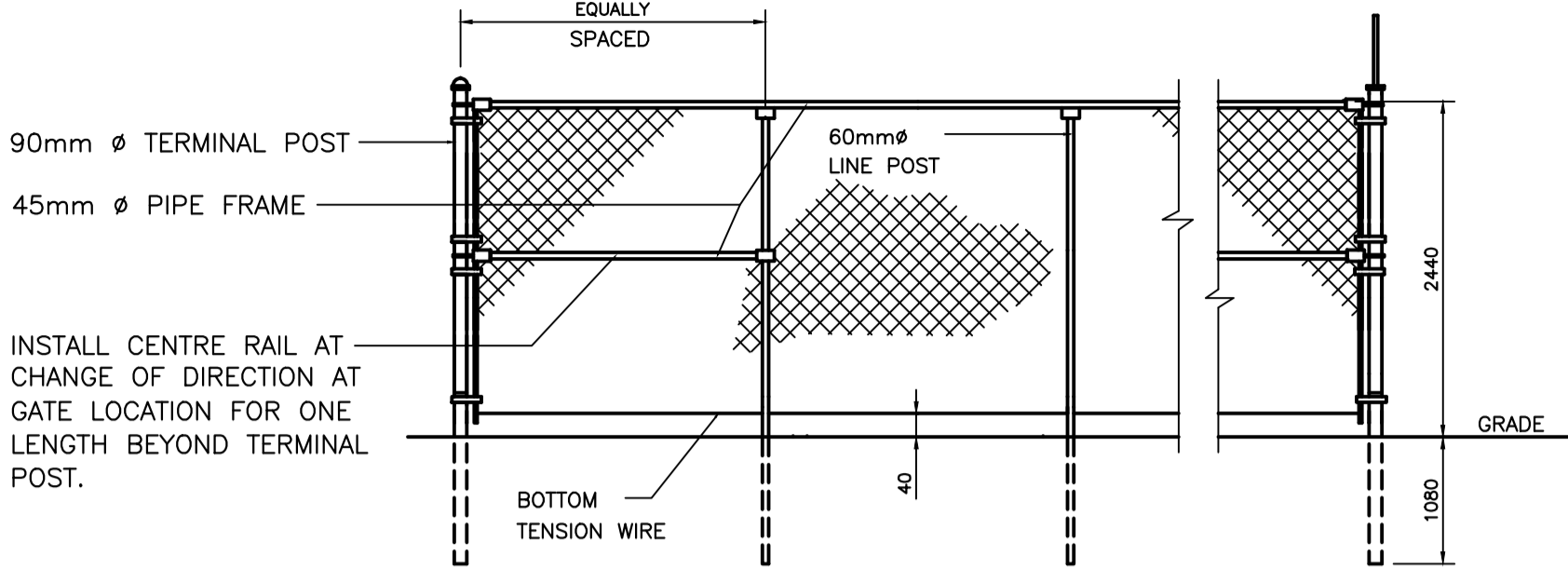
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ELECTRICAL DETAILS

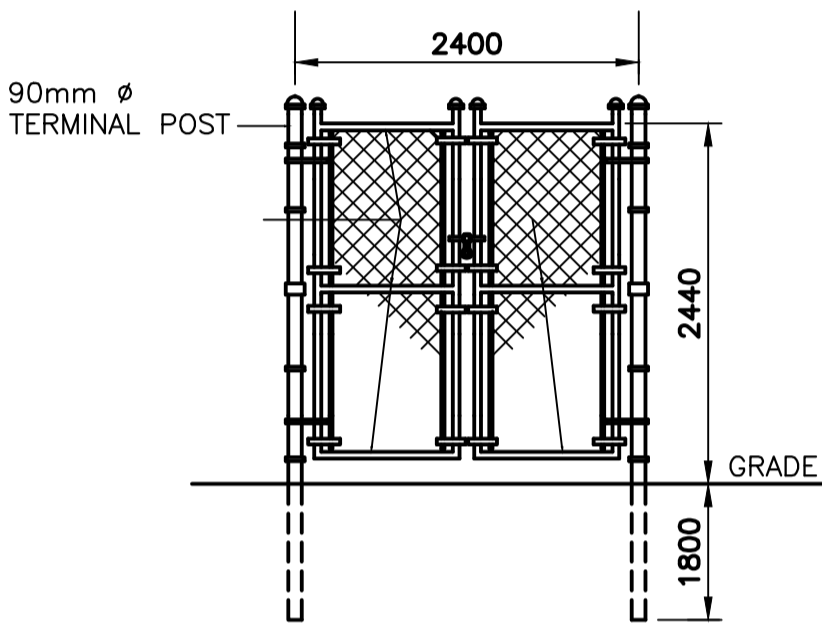
designed	K.NEIL	conqu
date	10-22-20	
drawn	R.JACKMAN	dessiné
date	10-22-20	
approved	K.NEIL	approuvé
date	10-22-20	
Tender		Soumission
project number		no. du projet
	F6839-210677	
drawing no.		no. du dessin
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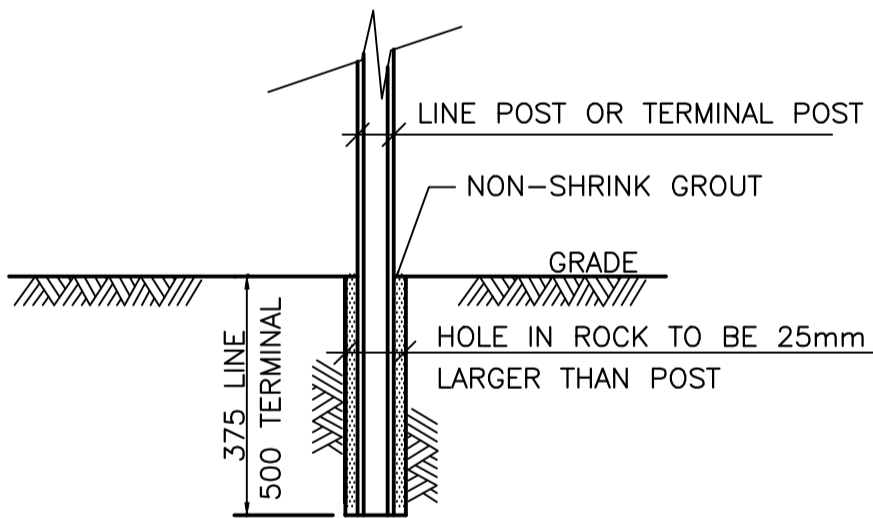


1 #6 GROUND WIRE TO EACH POST.
INSTALL BONDING AS PER C.E.C.

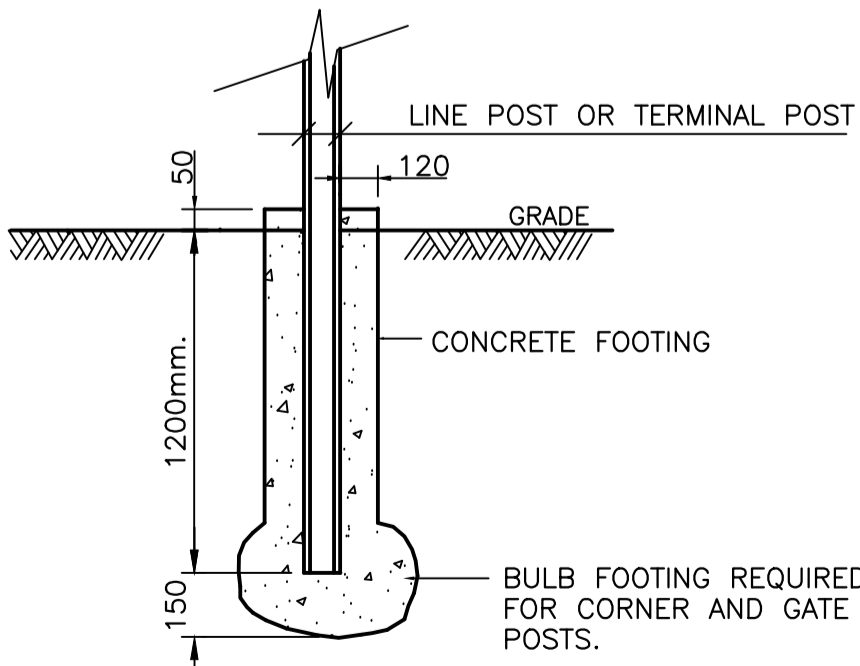
TYPICAL CHAINLINK FENCING DETAILS
N.T.S.



TYPICAL GATE DETAILS
N.T.S.



POST DETAIL — ROCK CONDITION
N.T.S.

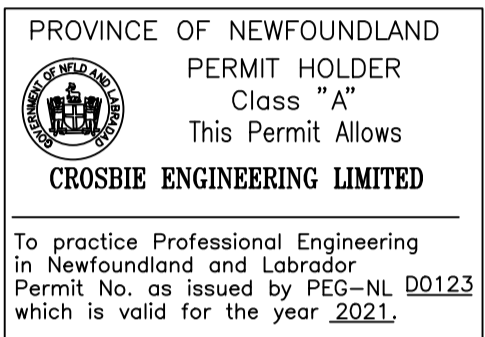


POST DETAIL — SOIL CONDITION
N.T.S.

mechanical & electrical consultant

civil consultant

permit



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project projet

ELECTRICAL MODIFICATIONS —
SIR HUMPHREY GILBERT

drawing dessin

ELECTRICAL DETAILS

designed	K.NEIL	conçu
date	10-22-20	
drawn	R.JACKMAN	dessiné
date	10-22-20	
approved	K.NEIL	approuvé
date	10-22-20	
Tender		Soumission

project number no. du projet

F6839-210677

drawing no. no. du dessin

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