

TRANSITION FROM TRENCH TO NEW DECK  
N.T.S.

NEW PANEL

VOLTS	120/208	PANEL NAME	"A"	MAINS RATED	200 AMPS	C/W SERVICE ENTRANCE RATED 200A 3P MAIN BREAKER
PHASE	3	LOCATION	ELECTRICAL SHED	MOUNTING	SURFACE	
WIRE	4	FED FROM	UTILITY	MIN.CIRCUITS	24	

DESIGNATION	WATTAGE ø A ø B ø C	U/G WIRE	WIRE	BKR	CCT	A	B	B	CCT	BKR	WIRE	U/G WIRE	WATTAGE ø A ø B ø C	DESIGNATION	
LIGHTING (SHED)	100			12	15	1			2	30	10	8	2520	PEDESTAL #1 (RECEPT. #1)	**
EXTERIOR LIGHTING (SHED)		40		12	15	3			4	2	10	8	2520	PEDESTAL #1 (RECEPT. #2)	**
EXTERIOR RECEPTACLE (SHED)			120	12	15	5			6	20	12	6	1680	PEDESTAL #1 (RECEPT. #3)	*
EXTERIOR LIGHTING CONTROL PANEL	200			12	15	7			8	20	12	6	1680	SPARE	*
RECEPTACLES (SHED)		480		12	15	9			10	15				SPARE	
HEATER			1000	12	15	11			12	30			2520	PEDESTAL #2 (RECEPT. #1)	**
SPARE	1000			12	15	13			14	2	10	6	2520	PEDESTAL #2 (RECEPT. #2)	**
SPARE				15	15	15			16	20	12	4	1680	PEDESTAL #2 (RECEPT. #3)	*
SPARE				15	17				18	20	12	4	1680	SPARE	*
SPARE				15	19				20	15				POLE LIGHT #1	**
SPARE				15	21				22	15	10	10	300	POLE LIGHT #2	**
SPARE				15	23				24	15	10	10	300	POLE LIGHT #3	**
SPARE				15	25				26	15	10	10	300	POLE LIGHT #4	**
SPARE				15	27				28	15	10	10	300	POLE LIGHT #5	**
SPARE				15	29				30	15	10	10	300	JIB CRANE	***
SPARE				15	31				32	20			933	JIB CRANE - LIGHTING	**
SPARE				15	33				34		12	6	933	JIB CRANE - RECEPTACLE	*
SPARE				15	35				36	3			933	SPARE	
SPARE				15	37				38	15	10	10	300	SPARE	
SPARE				15	39				40	15	12	12	120	SPARE	
SPARE				15	41				42					SPARE	
SPARE				15	43				44	30				SPARE	
SPARE				15	45				46	30				SPARE	
SPARE				15	47				48	30				SPARE	

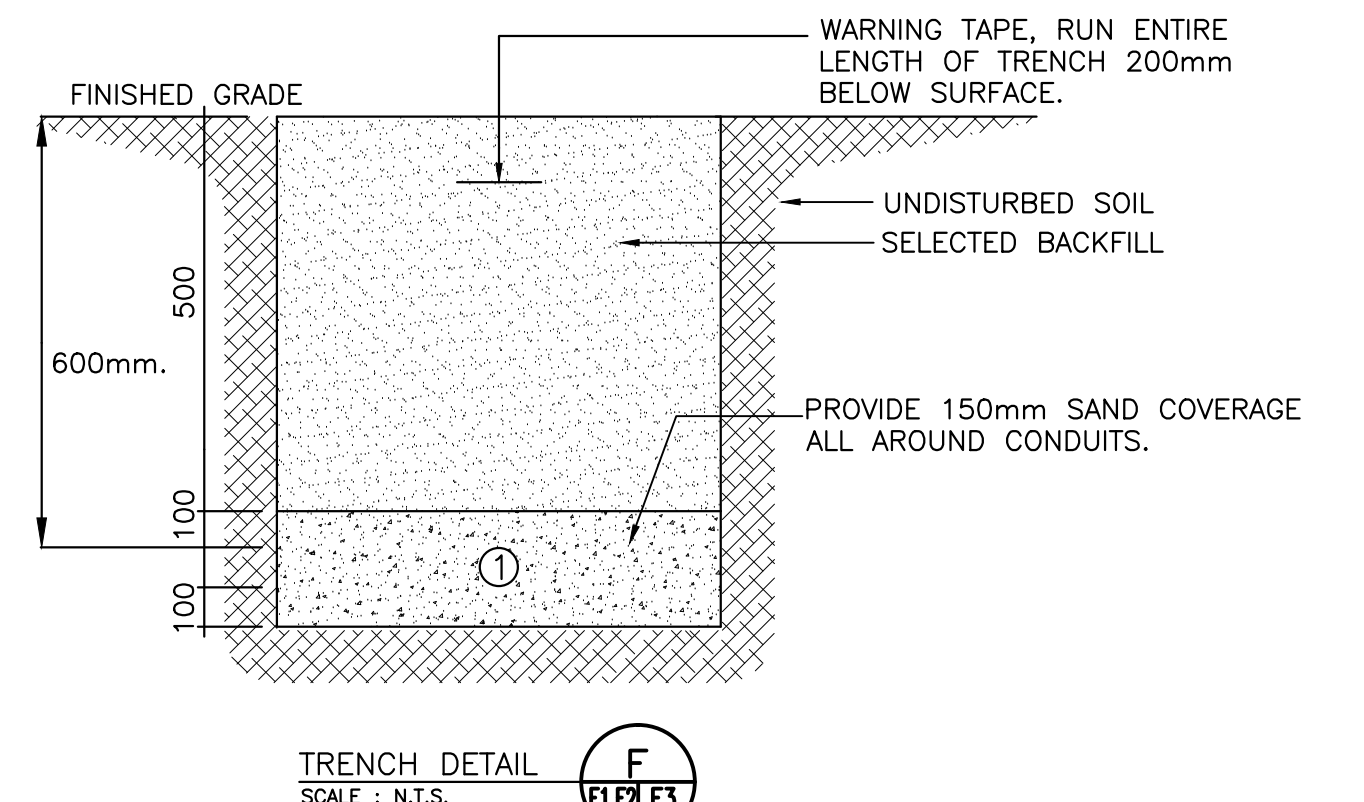
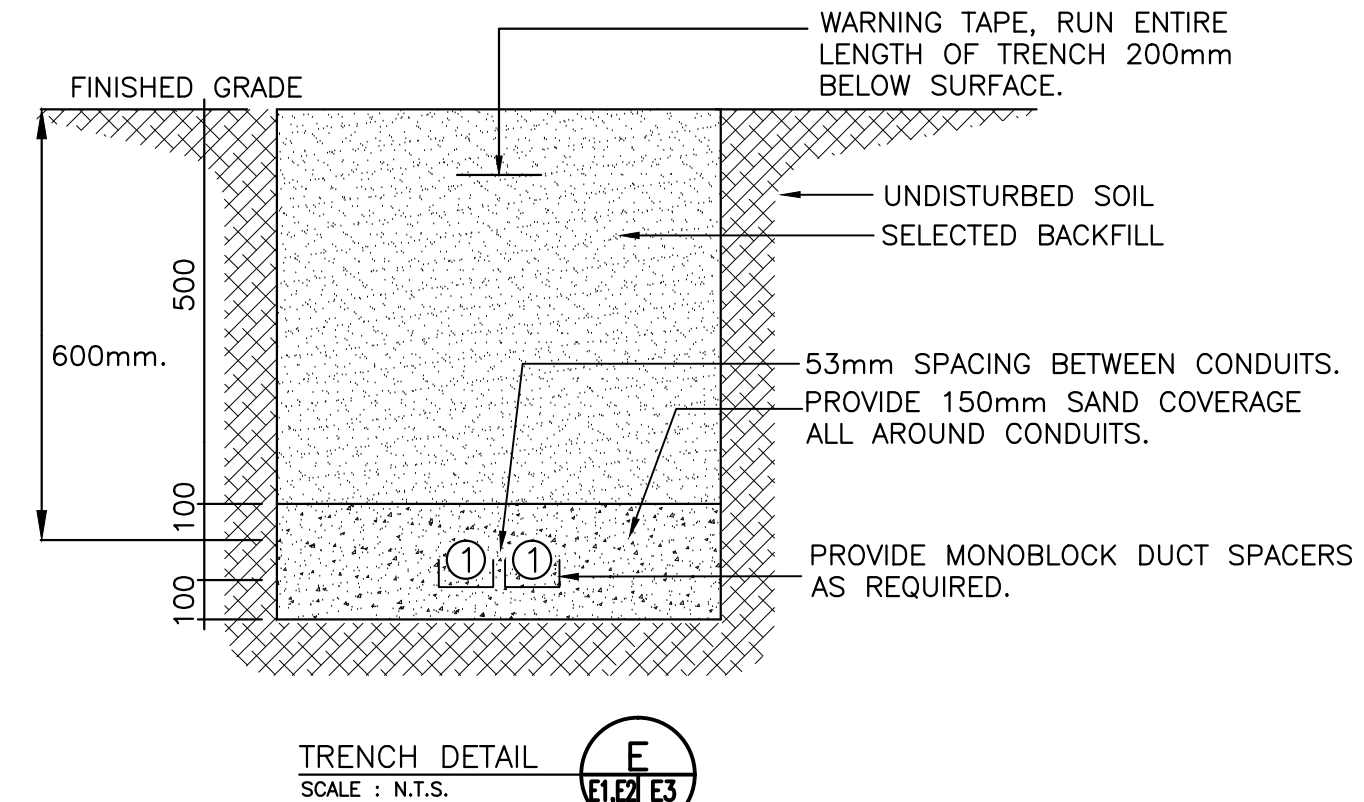
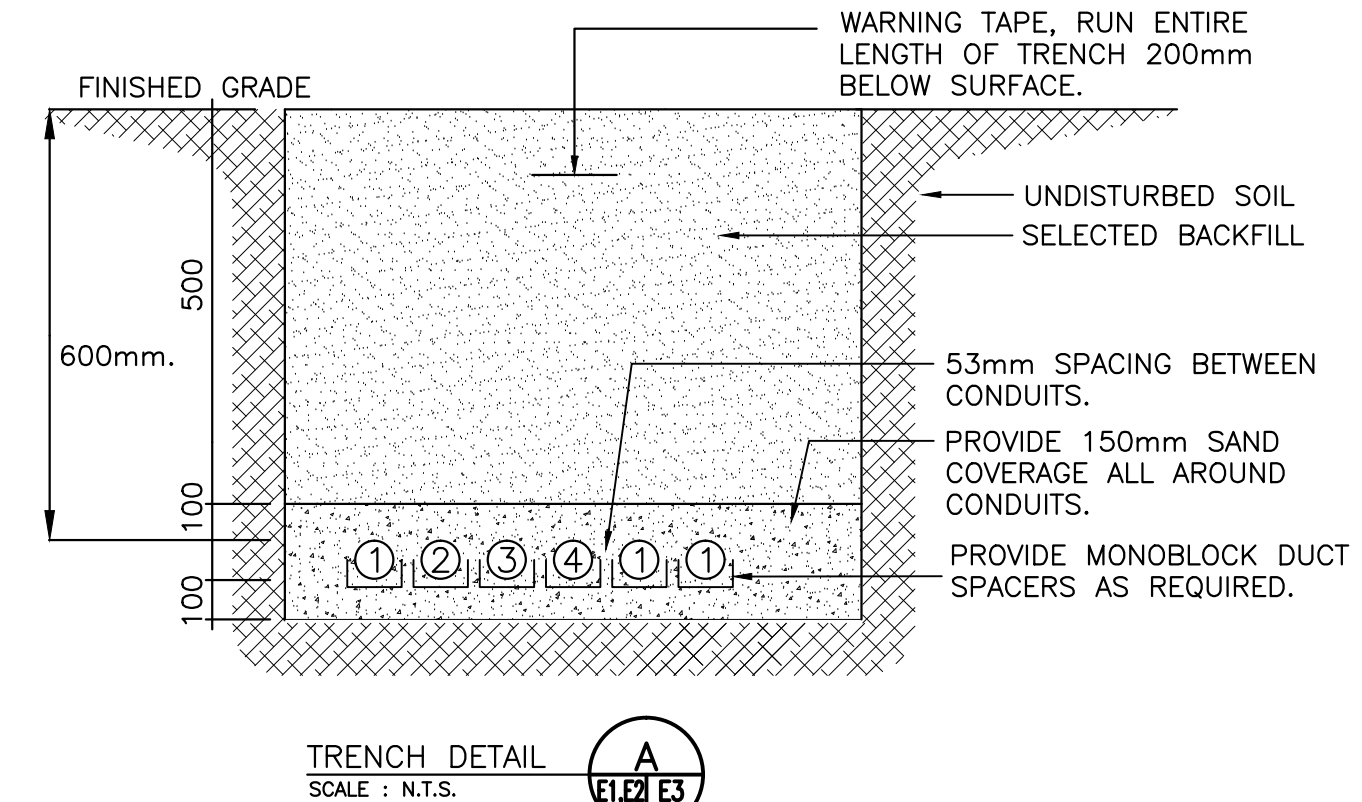
\* - INDICATES CLASS A GFCI CIRCUIT BREAKER  
\*\* - INDICATES GFCI CIRCUIT BREAKER WITH GROUND FAULT  
SETTING AT 30mA.  
\*\*\* - C/W SHUNT TRIP. SUPPLY AND INSTALL GROUND FAULT RELAY  
(EATON D5ARPB100 OR APPROVED EQUAL). CONNECT TO SHUNT  
TRIP WITH GROUND FAULT SETTING AT 30mA.

SERVICE DEMAND 29.825 KW 83 AMP @ 208 VOLT, 3ø

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 \*\* - INDICATES GFCI CIRCUIT BREAKER WITH GROUND FAULT SETTING AT 30mA.  
 \*\*\* - C/W SHUNT TRIP. SUPPLY AND INSTALL GROUND FAULT RELAY (EATON D64RFB100 OR APPROVED EQUAL). CONNECT TO SHUNT TRIP WITH GROUND FAULT SETTING AT 30mA.

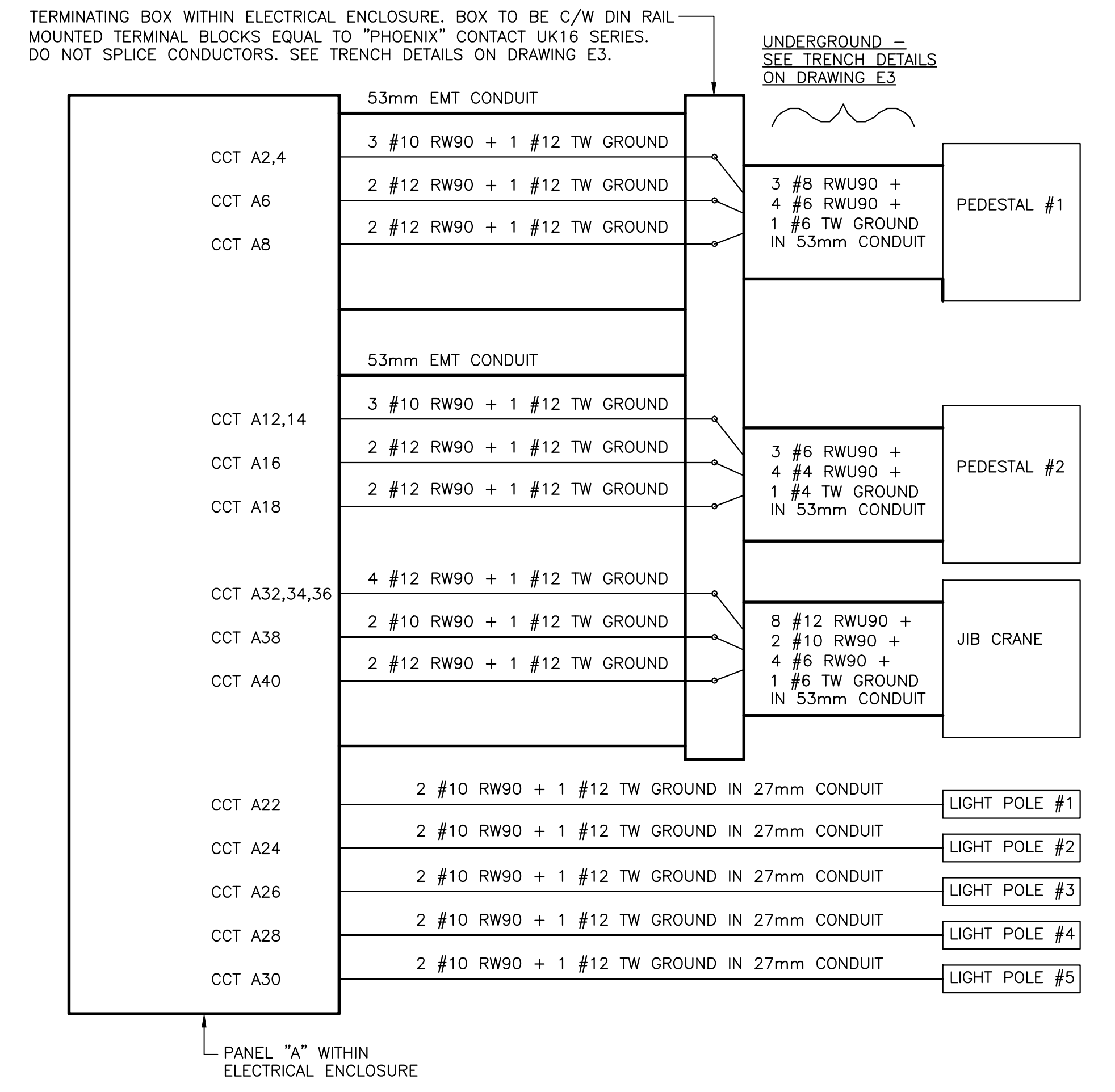
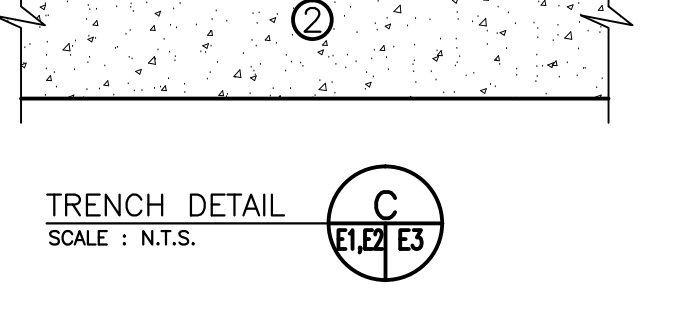
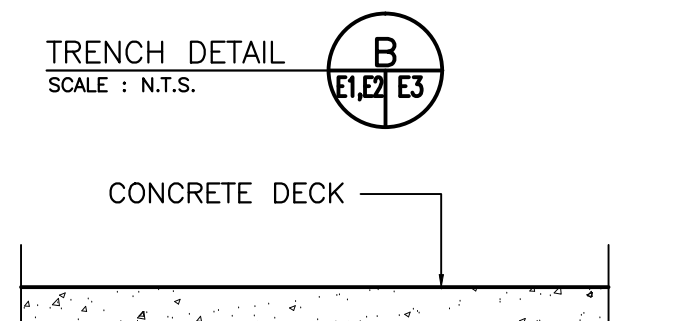
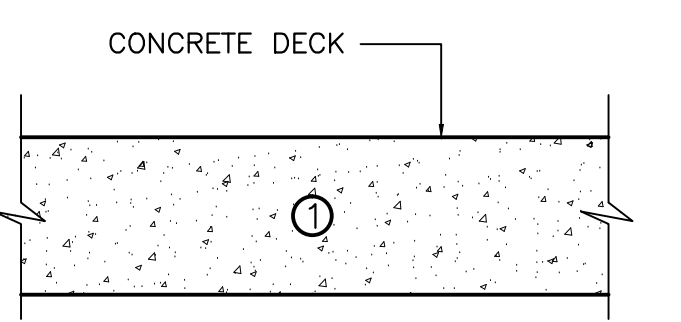
SERVICE DEMAND 29.825 KW 83 AMP @ 208 VOLT, 3Ø

SYMBOL	UNDERGROUND WIRE AND CONDUIT SIZE
①	2 #10 RWU90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE)
②	3 #8 RWU90 + 4 #6 RWU90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #1)
③	3 #6 RWU90 + 4 #4 RWU90 + 1 #4 TW GROUND IN 53mm RIGID PVC CONDUIT (PEDESTAL #2)
④	8 #12 RWU90 + 2 #10 RWU90 + 4 #6 RWU90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (JIB CRANE, RECEPT, LIGHT)



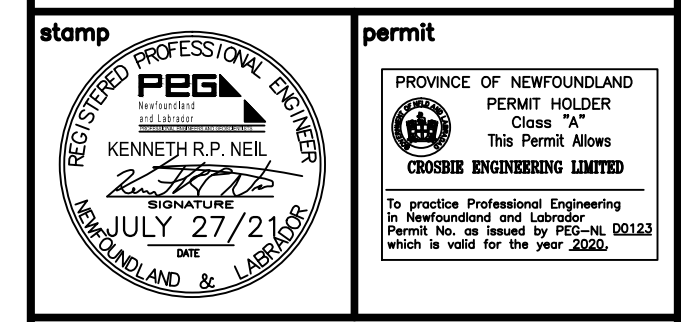
- TRENCHING NOTES:
1. ALL TRENCHES SHALL BE BACKFILLED WITH SELECTED BACKFILL AND TAMPED IN 300mm LAYERS. EXCEPT AT ROAD CROSSINGS WHERE THE BACKFILL SHALL BE THE SAME MATERIAL AS THE ROAD BED AND TAMPED IN 150mm LAYERS. EXCESS FILL SHALL BE PLACED ON TOP TO ALLOW FOR SETTLING.
  2. THE DUCTS SHALL BE SUPPORTED BY APPROVED SPACERS. NO WIRE OR METAL TIES TO BE USED.
  3. COPPER FISH WIRE MINIMUM #8 MUST BE INSTALLED IN ALL DUCTS.
  4. ELECTRICAL DUCT MUST BE RIGID PVC OR APPROVED EQUIVALENT.
  5. ALL DUCTS AND FITTINGS MUST BE CSA APPROVED.
  6. ALL DUCTS ARE TO BE SECURELY CAPPED AT BOTH ENDS.
  7. ALL FITTINGS, COUPLINGS AND ADAPTERS ARE TO BE SOLVENT WELD

- NOTES:
1. CONDUIT LOCATIONS ARE APPROXIMATE ONLY. ACTUAL CONDUIT LOCATIONS TO BE COORDINATED ON SITE.
  2. STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.



UNDERGROUND CONDUCTORS DETAIL  
N.T.S.

SMALL CRAFT HARBOURS



1	ISSUED FOR TENDER	27/07/21
0	ISSUED FOR TENDER	17/03/20
A	ISSUED FOR REVIEW	06/03/20
revisions		date
project		project

NEDDY HARBOUR DEVELOPMENT  
NORRIS POINT, NL.

ELECTRICAL DETAILS

designed K.NEIL	concu
date MARCH 2020	
drawn K.NEIL	dessine
date MARCH 2020	
approved	approuve
date	
Tender	Soumission
DFO Project Manager	
project number	no. du projet
C2-00205	
drawing no.	no. du dessin
E3	