

EXISTING PANEL SCHEDULE FOR PANEL A									
PANEL A									
PANEL SCHEDULE									
TYPE 20 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 120/240V, 1PH., 3W., 100 AMP									
STANDARD OF ACCEPTANCE SQUARE D									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES * - BREAKER TO BE C/W LOCK-ON DEVICE									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. SIZE	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
EXISTING			15	1	2	15		EXISTING	
			15	3	4	15			
			15	5	6	15			
			40	7	8	15			
			2	9	10	30			
			15	11	12	2			
SPARE (REMOVE BREAKER AND REINSTALL TWO NEW 20A 1P BREAKERS. MAKE CIRCUIT 13 NEW RECEPTACLES ON LIGHT POLES)			30	13	14	60			
			2	15	16	2			
EXISTING			20	17	18	15			
			2	19	20	15			
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				

REVISED PANEL SCHEDULE FOR PANEL A									
PANEL A									
PANEL SCHEDULE									
TYPE 20 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 120/240V, 1PH., 3W., 100 AMP									
STANDARD OF ACCEPTANCE SQUARE D									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES * - BREAKER TO BE GFCI									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. SIZE	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
EXISTING			15	1	2	15		EXISTING	
			15	3	4	15			
			15	5	6	15			
			40	7	8	15			
			2	9	10	30			
			15	11	12	2			
RECEPTACLE LIGHT POLES	400	1	20	13	14	60			
SPARE			20	15	16	2			
EXISTING			20	17	18	15			
			2	19	20	15			
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				

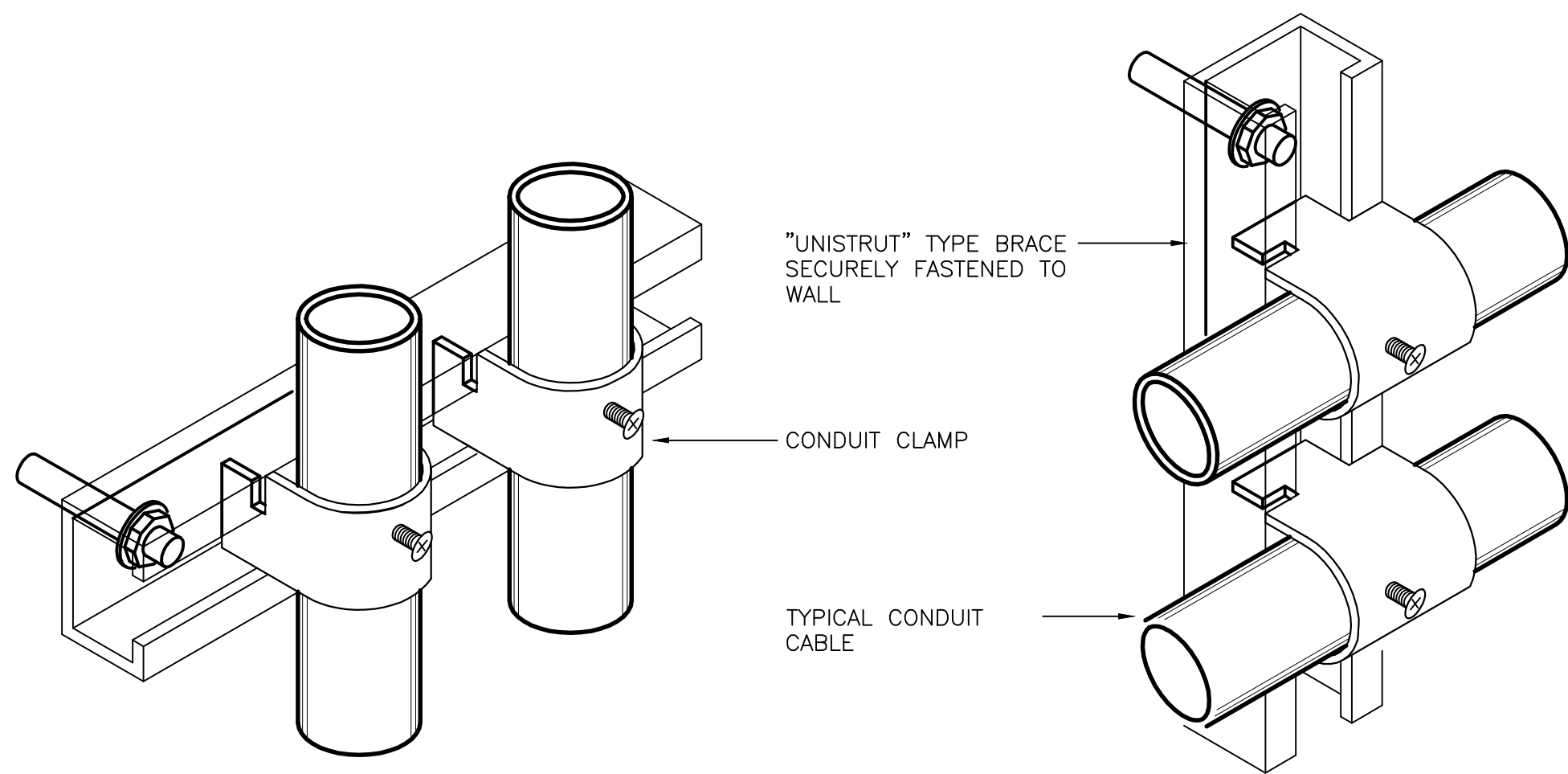
1. PROVIDE TYPE WRITTEN DIRECTORY.

PANEL MD									
PANEL SCHEDULE									
TYPE DISTRIBUTION CENTER									
RATING 347/600 V, 3PH., 4W., 1800 AMP									
STANDARD OF ACCEPTANCE SQUARE D									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES * BREAKER TO BE GFCI									
CIRCUIT NUMBER	FRAME SIZE	NO. OF POLES	TRIP SETTING	LOAD	FEEDER	NOTES			
1	15	2	15	EXISTING					
2	800	3	800	EXISTING					
3	800	3	800	EXISTING					
4	800	3	800	EXISTING					
5	20	2	20	EXISTING					
6	15	2	15	EXISTING					
7	800	3	800	EXISTING					
8	15	2	15	EXISTING					
9	50	2	50	EXISTING					
10	15	2	15	EXISTING					
11	200	3	150	EXISTING					
12	60	3	60	EXISTING					
13	60	3	60	EXISTING					
14	200	3	150	EXISTING					
15	200	3	200	NEW PANEL B	4 #3/0 RW90 + 1 #6 TW BOND IN 63mm PVC CONDUIT	NOTE 7			

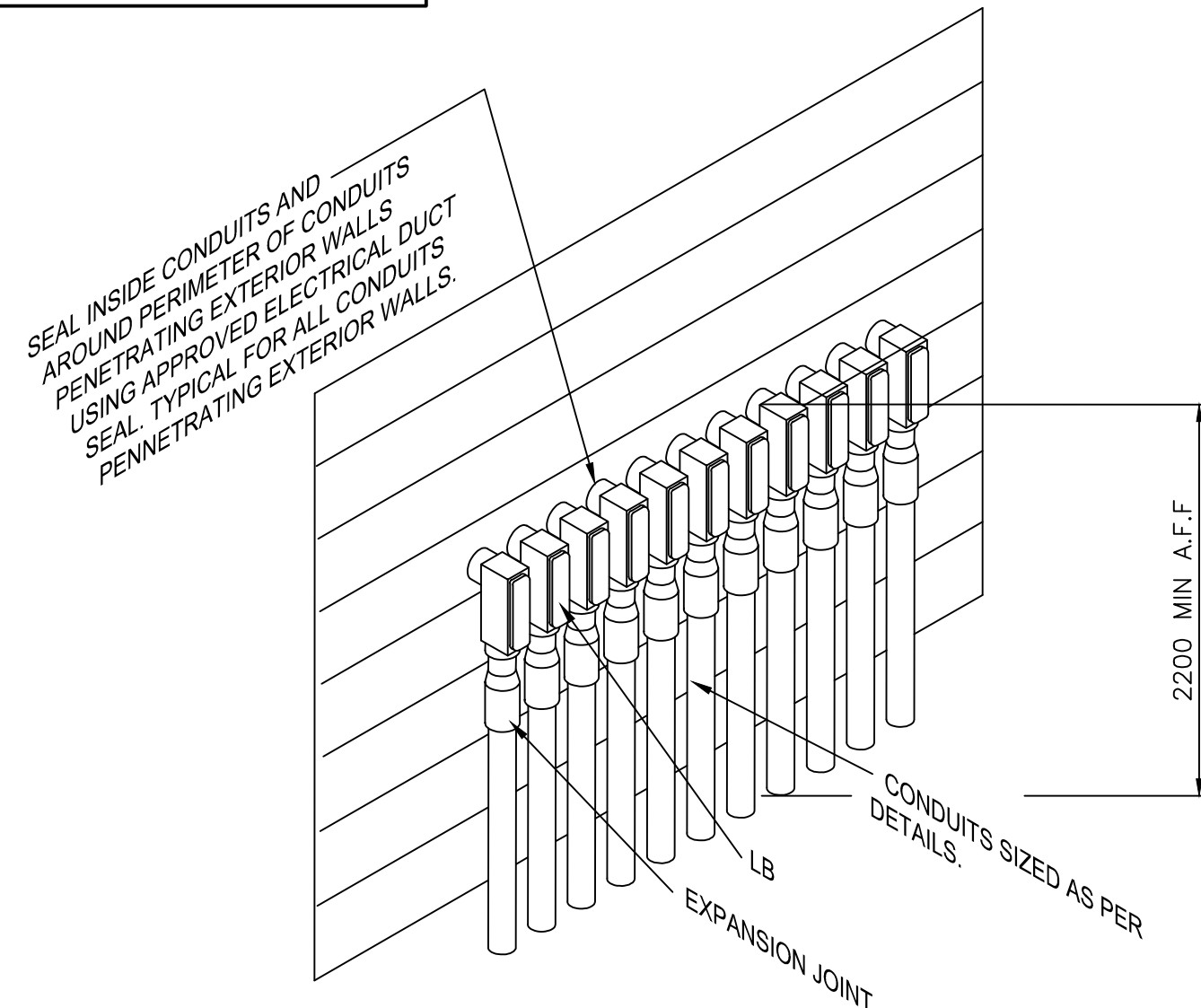
PANEL B									
PANEL SCHEDULE									
TYPE 42 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 347/600V, 3PH., 4W., 200 AMP									
STANDARD OF ACCEPTANCE EATON POW-R-LINE 1a									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES * - BREAKER TO BE GFCI									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. SIZE	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
PARKING LOT LIGHTING	3556	10	15*	1	2	15	500	LIGHTING CONTROL PANEL	
SPARE			15	3	4	20		SPARE	
			2	5	6	2			
SPARE			30	7	8	15		SPARE	
			3	9	10	15		SPARE	
				11	12	15		SPARE	
SPARE			20	13	14	15		SPARE	
SPARE			20	15	16	15		SPARE	
SPARE			20	17	18	20		SPARE	
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				

1. PROVIDE TYPE WRITTEN DIRECTORY.

PANELBOARDS TO BE C/W GROUNDED NEUTRAL, GROUND AND NEUTRAL BLOCKS, BOLT-ON TYPE BREAKERS WITH AN I.C. RATING AS INDICATED, RMS SYMMETRICAL AT PANEL VOLTAGE. PROVIDE LAMICOID NAMEPLATE STATING PANEL DESIGNATION, VOLTAGE, PHASE AND AMPERAGE, TYPE WRITTEN DIRECTORY, AND LOCKING DOOR. ALL PANELS TO BE KEYS ALIKE. INSTALLATION, INCLUDING CONDUITS, TO BE RATED FOR SURFACE MOUNTED APPLICATIONS. WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.

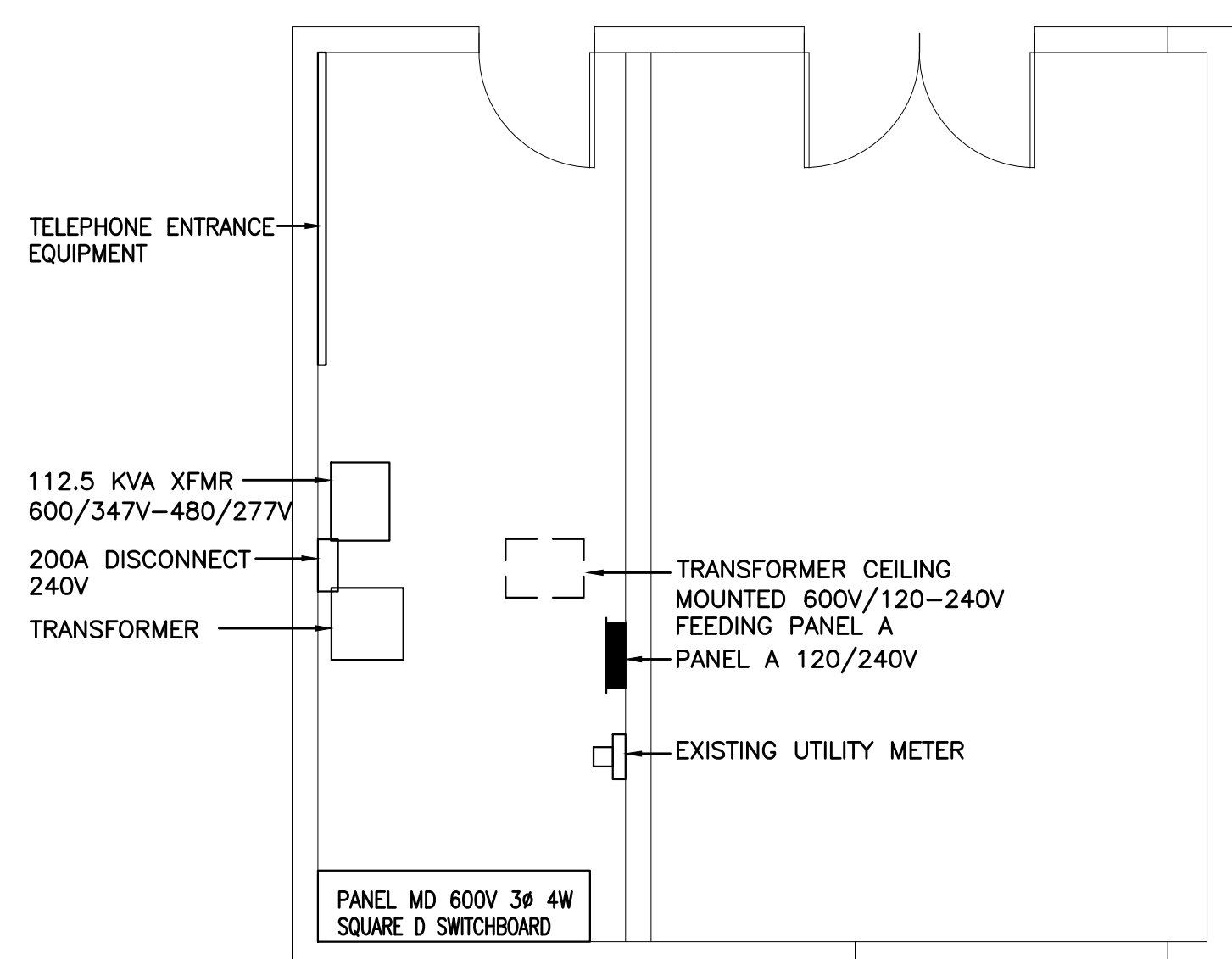


1 CONDUIT INSTALLATION INSIDE ELECTRICAL SHED  
E2 N.T.S

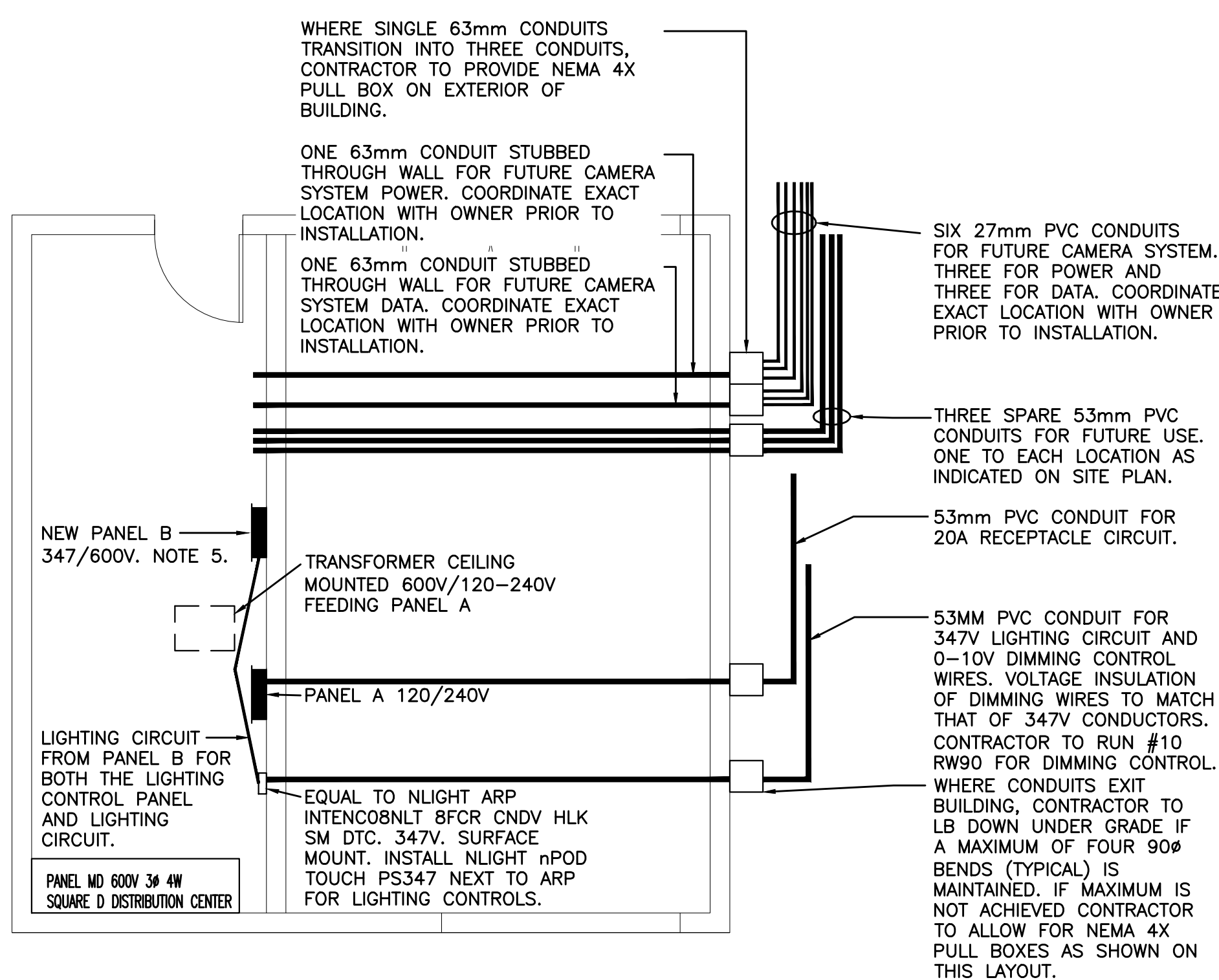


NOTE:  
THIS IS FOR REPRESENTATION. ALL CONDUITS WILL REQUIRE EXPANSION JOINTS PRIOR TO ENTRY BELOW GRADE. PULL BOXES MAY/WILL BE INSTALLED IN REPLY OF LB'S.

2 CONDUIT PENETRATION INTO ELECTRICAL SHED  
E2 N.T.S



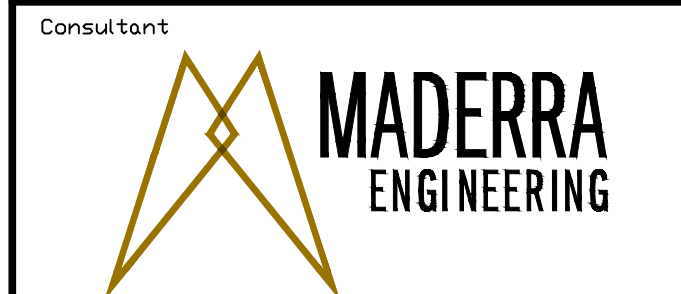
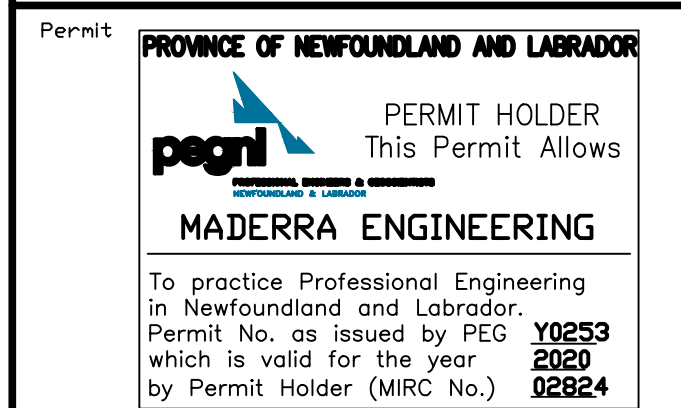
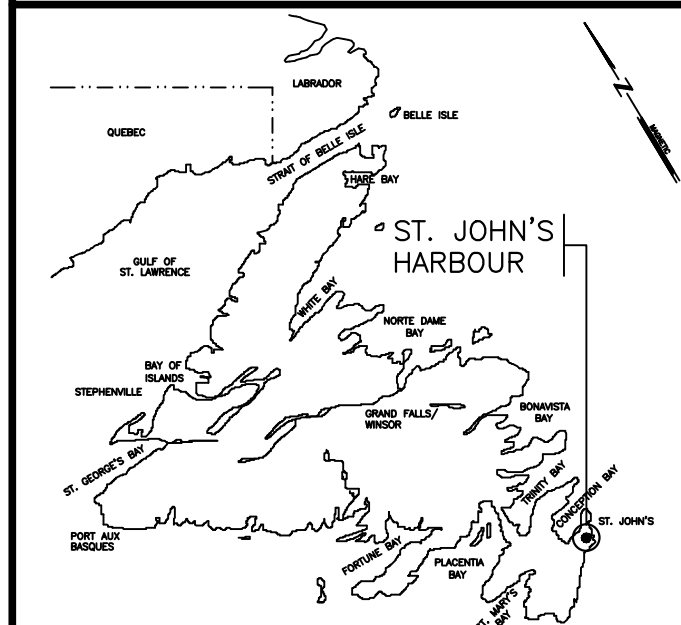
3 EXISTING ELECTRICAL SHED LAYOUT  
E2 N.T.S



4 EXISTING ELECTRICAL SHED REVISED LAYOUT  
E2 N.T.S



5 EXISTING DISTRIBUTION CENTER MD  
E2 N.T.S



- NOTES:
- DO NOT SCALE FROM DRAWING.
  - CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THIS WORK.
  - CONTRACTOR TO DETERMINE IF A PULL BOX IS REQUIRED ON THE EXTERIOR OF THE BUILDING PRIOR TO INSTALLATION UNDERGROUND. IF REQUIRED, PULL BOX TO BE NEMA 4X AND SIZED ACCORDINGLY AS PER C.E.C. 2018.
  - CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO EXCAVATION FOR NEW CONDUITS AS THE SITE REMAINS ACTIVE AT ALL TIMES. LIMITED AMOUNT OF TRENCHING WILL BE ALLOWED AT ONE TIME AND MUST BE INSPECTED PRIOR TO BACKFILLING.
  - CONTRACTOR TO LOCATE NEW PANEL. CONTRACTOR TO MAKE ALLOWANCE TO RELOCATE EXISTING CONDUIT TO ALL FOR NEW PANEL TO BE INSTALLED.
  - CONTRACTOR TO RUN LIGHTING CONTROL CABLES IN CONDUITS TO ALLOW FOR DIMMING OF POLE LIGHT FIXTURES.
  - CONTRACTOR TO CONFIRM EXACT REQUIREMENTS FOR NEW 200A 3P BREAKER. BREAKER TO MATCH EXISTING CHARACTERISTICS OF DISTRIBUTION PANEL MD PRIOR TO ORDERING. CONTRACTOR TO ALLOW FOR A SQUARE D BREAKER JDA36300. THE KA RATING OF THE BREAKER TO BE CONFIRMED PRIOR TO ORDERING.

1	RE-ISSUED FOR TENDER	OCT 30 2020
O	ISSUED FOR TENDER	SEPT 10 2020
C	ISSUED FOR FINAL REVIEW	JULY 31 2020
B	ISSUED FOR 99% REVIEW	JUNE 9 2020
A	ISSUED FOR REVIEW	MAY 14 2020
revisions		date
project		project

CCG BERTH  
31 LIGHTING  
ST. JOHN'S, NL

drawing design

ELECTRICAL DETAILS

designed	S.MCGUIRE	conçu
date	MARCH 2020	
drawn	S.MCGUIRE	dessiné
date	MARCH 2020	
approved	R.FROUDE	approuvé
date	MARCH 2020	
tender		Submission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
	R.111146.004	
drawing no.	no. du dessin	
	E2	