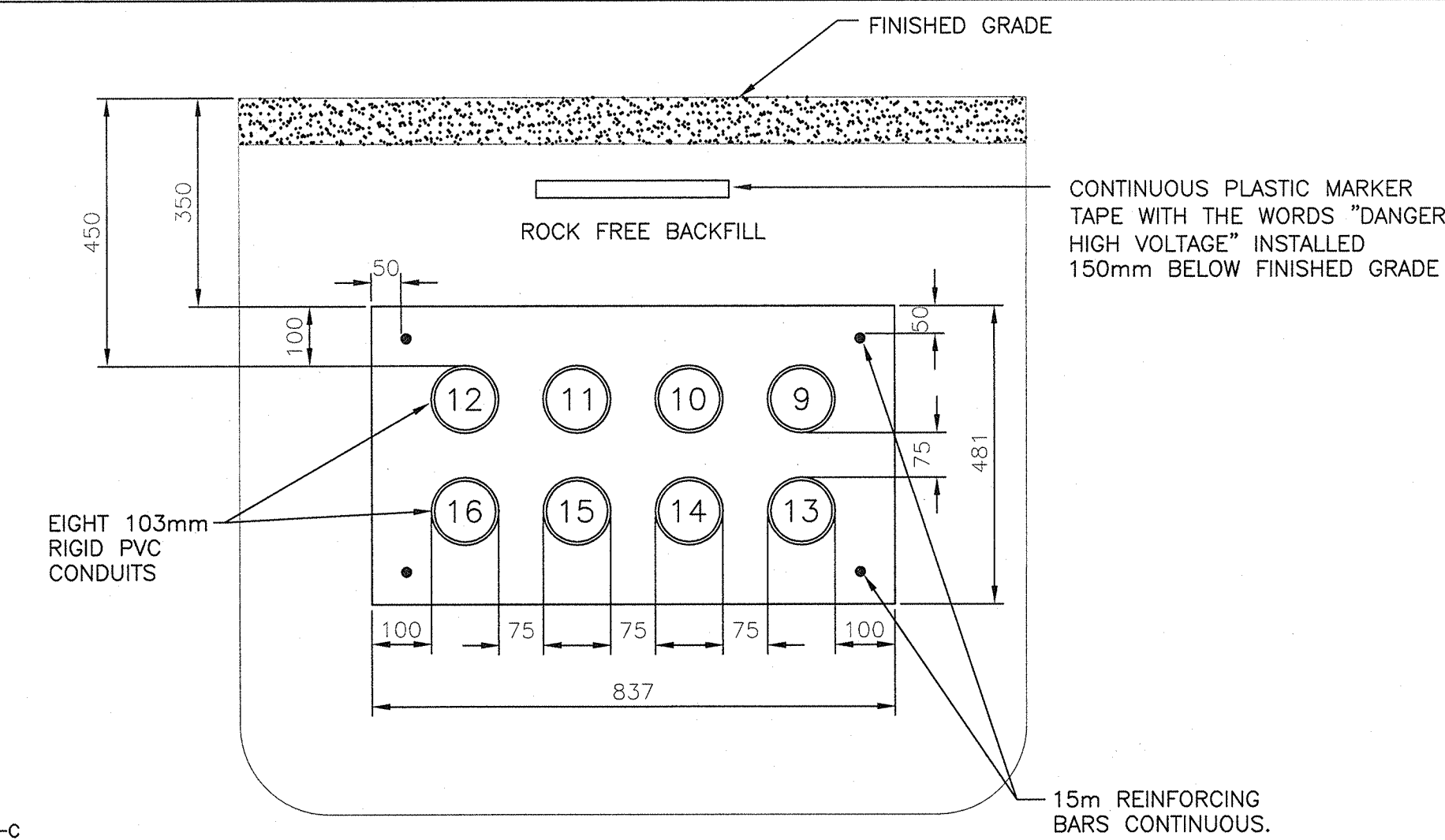
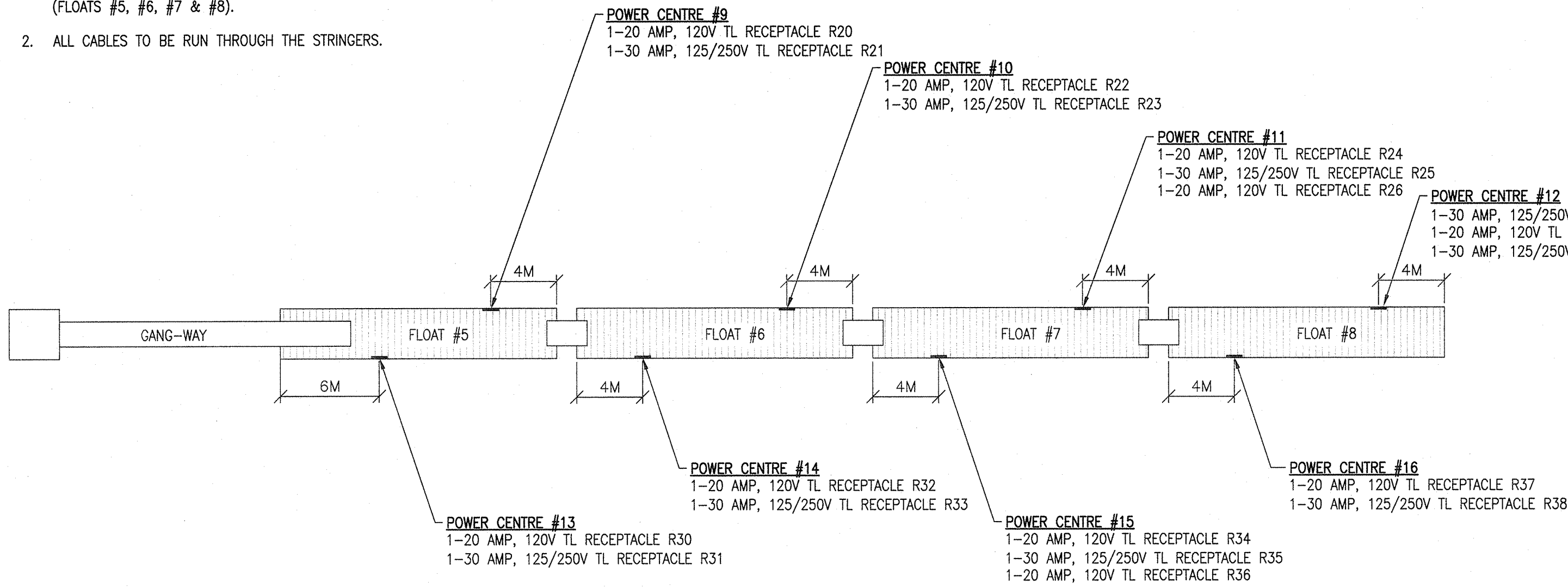


# NOTES:

- FLOATING DOCK #2 CONSISTS OF 4 TIMBER FLOATS (FLOATS #5, #6, #7 & #8).
- ALL CABLES TO BE RUN THROUGH THE STRINGERS.



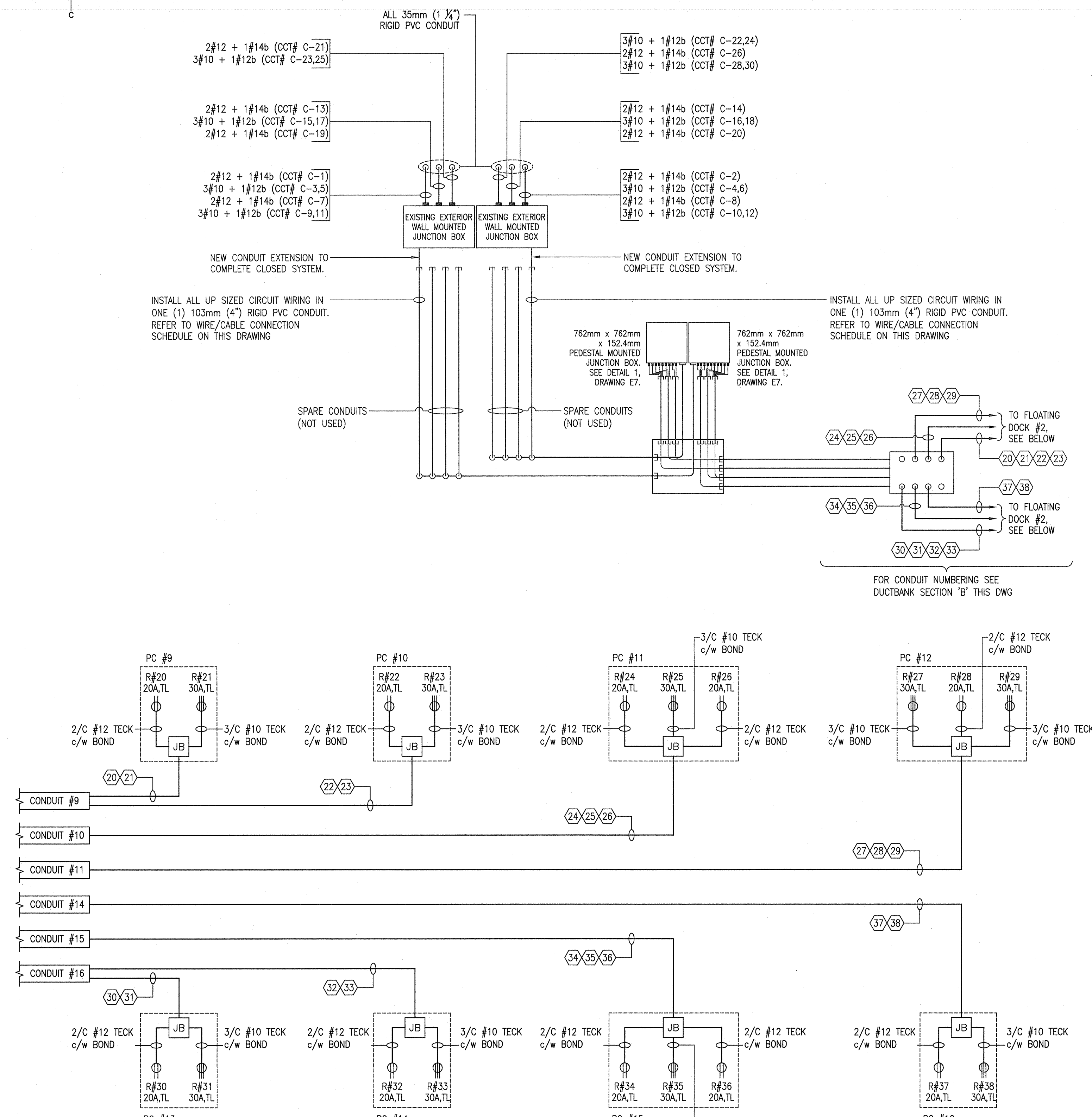
## NOTES:

- DUCTBANK IS EXISTING.
- INSTALL CABLES IN THE DUCTBANK AS PER THE FEEDER SCHEDULE.
- MULTIPLE CABLES TO BE PULLED INTO CONDUITS USING A SINGLE PULL.
- ALL CABLES TO BE MEGGARED IMMEDIATELY AFTER PULL.
- ANY DAMAGED CABLES TO BE REPLACED AT CONTRACTORS COST.
- SHOULD ANY CABLES FAIL THE MEGGAR TEST; ALL CABLES IN THAT CONDUIT ARE TO BE REMOVED AND BE RE-INSTALLED WITH THE REPLACEMENT CABLE.

WIRE/CABLE CONNECTION SCHEDULE					
CIRCUIT	WIRE SIZE	SPLICE TO	WIRE SIZE	SPLICE TO	CABLE #
C-2	2#12 + 1#14b	→	2#8 + 1#14b	→	(20)
C-4,6	3#10 + 1#12b	→	3#8 + 1#12b	→	(21)
C-8	2#12 + 1#14b	→	2#4 + 1#14b	→	(22)
C-10,12	3#10 + 1#12b	→	3#6 + 1#12b	→	(23)
C-14	2#12 + 1#14b	→	2#4 + 1#14b	→	(24)
C-16,18	3#10 + 1#12b	→	3#4 + 1#12b	→	(25)
C-20	2#12 + 1#14b	→	2#4 + 1#14b	→	(26)
C-22,24	3#10 + 1#12b	→	3#4 + 1#12b	→	(27)
C-26	2#12 + 1#14b	→	2#4 + 1#14b	→	(28)
C-28,30	3#10 + 1#12b	→	3#4 + 1#12b	→	(29)
C-1	2#12 + 1#14b	→	2#8 + 1#14b	→	(30)
C-3,5	3#10 + 1#12b	→	3#8 + 1#12b	→	(31)
C-7	2#12 + 1#14b	→	2#6 + 1#14b	→	(32)
C-9,11	3#10 + 1#12b	→	3#8 + 1#12b	→	(33)
C-13	2#12 + 1#14b	→	2#4 + 1#14b	→	(34)
C-15,17	3#10 + 1#12b	→	3#6 + 1#12b	→	(35)
C-19	2#12 + 1#14b	→	2#4 + 1#14b	→	(36)
C-21	2#12 + 1#14b	→	2#4 + 1#14b	→	(37)
C-23,25	3#10 + 1#12b	→	3#4 + 1#12b	→	(38)

SPLICE TO OCCUR IN BUILDING MOUNTED JUNCTION BOX.

SPLICE TO OCCUR IN PEDESTAL MOUNTED JUNCTION BOX LOCATED ADJACENT TO GRADE LEVEL PULL PIT.



NOTE:  
CONDUITS 12 & 13 ARE SPARE AND NOT SHOWN FOR CLARITY.

NOTES	VOLTS    --- 120/208 ---										PANEL       --- EXISTING PANEL C ---										INTERRUPTING    --- 10 --- KA																																						
	PHASE       --- 3 ---										LOCATION       --- MARINA ELECTRICAL SHED ---										MAINS       --- 225 --- AMPS																																						
	WIRE         --- 4 ---										FED FROM       --- MAIN BOARD ---										MOUNTING       --- SURFACE ---																																						
	DESIGNATION										DESIGNATION										DESIGNATION																																						
			KW		WIRE SIZE		CIR NO.		BKR		A		B		C		BKR		CIR NO.		WIRE SIZE		KW		A		B		C		DESIGNATION																												
			A	B	C																																																						
1	RECEPTACLE #R30 @ PC#13					1.92			2	12/8/12	1	20A						20A	2	12/8/12	1.92			RECEPTACLE #R20 @ PC#9					1																														
2	RECEPTACLE #R31 @ PC#13					4.992			10/8/10	3	30A							30A	4	10/8/10	4.992	RECEPTACLE #R21 @ PC#9					2																																
1	RECEPTACLE #R32 @ PC#14					1.92			12/4/12	7	20A							20A	8	12/6/12	1.92	RECEPTACLE #R22 @ PC#10					1																																
2	RECEPTACLE #R33 @ PC#14					4.992			10/6/10	9	30A							30A	10	10/8/10	4.992	RECEPTACLE #R23 @ PC#10					2																																
1	RECEPTACLE #R34 @ PC#15					1.92			12/4/12	13	20A							20A	14	12/4/12	1.92	RECEPTACLE #R24 @ PC#11					1																																
2	RECEPTACLE #R35 @ PC#15					4.992			10/4/10	15	30A							30A	16	10/6/10	4.992	RECEPTACLE #R25 @ PC#11					2																																
1	RECEPTACLE #R36 @ PC#15					1.92			12/4/12	19	20A							30A	20	12/4/12	1.92	RECEPTACLE #R26 @ PC#11					1																																
1	RECEPTACLE #R37 @ PC#16					1.92			12/4/12	21	30A							30A	22	10/4/10	4.992	RECEPTACLE #R27 @ PC#12					2																																
2	RECEPTACLE #R38 @ PC#16					4.992			10/4/10	23	30A							20A	24	12/4/12	1.92	RECEPTACLE #R28 @ PC#12					1																																
										25	2P							30A	26	10/4/10	4.992	RECEPTACLE #R29 @ PC#12					2																																
										27								32																																									
										29								34																																									
										31								36																																									
										33																																																	
										35																																																	
	SPARE					0			37	20A								20A	38	0						SPARE																																	
	SPARE					0			39	15A								15A	40	0	0						SPARE																																
	SPARE					0			41	15A								15A	42	0						SPARE																																	
"a" TOTAL: 22.848 KW - 169.6 AMPS @ 120V																																NOTES: #1. ALL 20 AMP, 1 POLE BREAKERS ARE NEW.																											
"b" TOTAL: 21.312 KW - 177.6 AMPS @ 120V																																#2. ALL 30 AMP, 2 POLE BREAKERS ARE EXISTING.																											
"c" TOTAL: 19.968 KW - 187.2 AMPS @ 120V																																#3. REFER TO SPECIFICATION SECTION 26 28 21.																											
																																#4. RECONFIGURE PANEL TO MATCH THIS SCHEDULE.																											
FEEDER       ---																																																											

- NOTES:
- ALL 20 AMP, 1 POLE BREAKERS ARE NEW.
  - ALL 30 AMP, 2 POLE BREAKERS ARE EXISTING.
  - REFER TO SPECIFICATION SECTION 28 21.
  - RECONFIGURE PANEL TO MATCH THIS SCHEDULE.

CABLE/FEEDER SCHEDULE/VOLTAGE DROP/WIRE SIZE CALCULATIONS – FLOATING DOCK #2											
CABLE #	LOADS	LOCATION	BRK. RATING	VOLTAGE	RATED CURRENT	CIRCUIT	DISTANCE METER (FT)	VOLTAGE DROP	WIRE SIZE	CABLE TYPE	CONDUIT #
20	RECEPTACLE #R20	POWER CENTRE #9	20 AMP	120V	16 AMPS	C-2	50.6m (166')	3.34V (2.78%)	3/C #8	SOOW	9
21	RECEPTACLE #R21	POWER CENTRE #9	30 AMP	120/208V	24 AMPS	C-4,6	50.6m (166')	5.01V (2.4%)	4/C #8	SOOW	9
22	RECEPTACLE #R22	POWER CENTRE #10	20 AMP	120V	16 AMPS	C-8	77.7m (255')	2.2V (1.8%)	3/C #4	SOOW	9
23	RECEPTACLE #R23	POWER CENTRE #10	30 AMP	120/208V	24 AMPS	C-10,12	77.7m (255')	5.64V (2.7%)	4/C #6	SOOW	9
24	RECEPTACLE #R24	POWER CENTRE #11	20 AMP	120V	16 AMPS	C-14	86.6m (284')	2.46V (2.05%)	3/C #4	SOOW	10
25	RECEPTACLE #R25	POWER CENTRE #11	30 AMP	120/208V	24 AMPS	C-16,18	86.6m (284')	3.69V (1.77%)	4/C #4	SOOW	10
26	RECEPTACLE #R26	POWER CENTRE #11	20 AMP	120V	16 AMPS	C-20	86.6m (284')	2.46V (2.05%)	3/C #4	SOOW	10
27	RECEPTACLE #R27	POWER CENTRE #12	30 AMP	120/208V	24 AMPS	C-22,24	104.5m (343')	4.46V (2.14%)	4/C #4	SOOW	11
28	RECEPTACLE #R28	POWER CENTRE #12	20 AMP	120V	16 AMPS	C-26	104.5m (343')	2.97V (2.47%)	3/C #4	SOOW	11
29	RECEPTACLE #R29	POWER CENTRE #12	30 AMP	120/208V	24 AMPS	C-28,30	104.5m (343')	4.46V (2.14%)	4/C #4	SOOW	11
30	RECEPTACLE #R30	POWER CENTRE #13	20 AMP	120V	16 AMPS	C-1	39.9m (131')	2.63V (2.19%)	3/C #8	SOOW	16
31	RECEPTACLE #R31	POWER CENTRE #13	30 AMP	120/208V	24 AMPS	C-3,5	39.9m (131')	3.95V (1.89%)	4/C #8	SOOW	16
32	RECEPTACLE #R32	POWER CENTRE #14	20 AMP	120V	16 AMPS	C-7	57.9m (190')	2.8V (2.33%)	3/C #6	SOOW	16
33	RECEPTACLE #R33	POWER CENTRE #14	30 AMP	120/208V	24 AMPS	C-9,11	57.9m (190')	5.7V (2.75%)	4/C #8	SOOW	16
34	RECEPTACLE #R34	POWER CENTRE #15	20 AMP	120V	16 AMPS	C-13	75.9m (249')	2.15V (1.79%)	3/C #4	SOOW	15
35	RECEPTACLE #R35	POWER CENTRE #15	30 AMP	120/208V	24 AMPS	C-15,17	75.9m (249')	5.5V (2.6%)	4/C #6	SOOW	15
36	RECEPTACLE #R36	POWER CENTRE #15	20 AMP	120V	16 AMPS	C-19	75.9m (249')	2.15V (1.79%)	3/C #4	SOOW	15
37	RECEPTACLE #R37	POWER CENTRE #16	20 AMP	120V	16 AMPS	C-21	93.9m (308')	2.67V (2.22%)	3/C #4	SOOW	14
38	RECEPTACLE #R38	POWER CENTRE #16	30 AMP	120/208V	24 AMPS	C-23,25	93.9m (308')	4.0V (1.92%)	4/C #4	SOOW	14