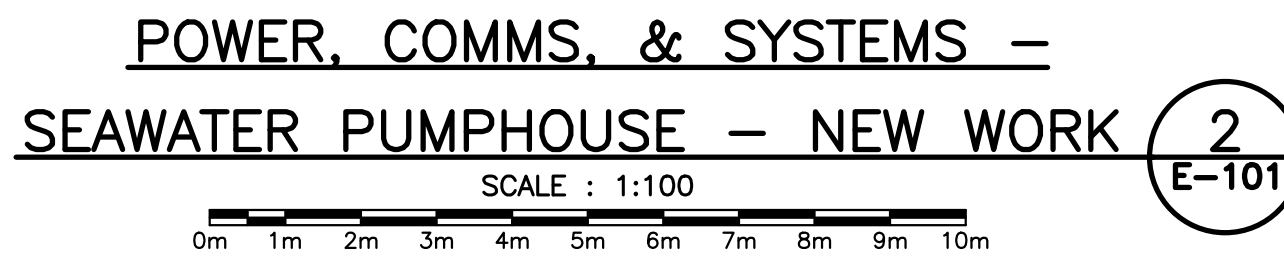


ELECTRICAL LEGEND

VOLTAGE		120/208		PANEL		P12B		SOURCE		P12A				
PHASE/WIRE		3PH/4W		LOCATION		SEAWATER PUMP HOUSE		FEEDER		SEE SINGLE LINE DIAGRAM				
MAINS		225A		MOUNTING		SURFACE		I.C.		10 KA				
NOTES	DESIGNATION	WATTAGE			CIR NO.	BKR	Ø	BKR	CIR NO.	WATTAGE			DESIGNATION	NOTES
		PH A	PH B	PH C						PH A	PH B	PH C		
-	LIGHTING	480			1	15A	-0-	2P	2	560			DPS12-1	
1	EXIT & EMERGENCY LIGHTING		100		3	15A	-b-	15A	4	560				
-	FIRE ALARM ANNUNCIATOR			500	5	15A	-c-	2P	6					
-	HOUSEKEEPING RECEPTACLES	250			7	20A	-b-	15A	8	750		750	ELECTRIC HOT WATER HEATER	
-	COMPUTER RECEPTACLES		500		9	15A	-b-	15A	10	696			EF12-1	
-						11	-b-	15A	12			150	SUMP PUMP CONTROL PANEL	
-						13	-b-	15A	14	150			EMCS CONTROL PANEL	
-						15	-b-	15A	16		240		CATHODIC PROTECTION PANEL	
-						17	-c-	15A	18		240		CATHODIC PROTECTION PANEL	
-						19	-b-	15A	20	250			MECHANICAL DAMPERS	2
-						21	-b-	15A	22	250			ELECTRONIC TRAP PRIMER	
-						23	-c-		24					
-						25	-0-		26					
-						27	-b-		28					
-						29	-c-		30					
-						31	-c-		32					
-						33	-b-		34					
-						35	-c-		36					
-	SPARE				37	15A	-0-	15A	38				SPARE	
-	SPARE				39	15A	-b-	15A	40				SPARE	
-	SPARE				41	15A	-c-	15A	42				SPARE	
ø "A" TOTAL		2440		TOTAL LOAD:		NOTES: 1. BREAKER SHALL BE LOCKING TYPE.								
ø "B" TOTAL		2346		6.43 kW		2. WIRING TO MECHANICAL DAMPERS BY CONTROLS CONTRACTOR.								
ø "C" TOTAL		1640		17.9 AMPS										



UNDERGROUND TO CABOT
MAIN ELECTRICAL ROOM
1403D SEE NOTE 1

4#300 MCM + 3Cu.
BOND, 103mmC

200A
3P
MAIN BKR

PANEL P12A:
600V, 225A, 3φ, 4W, I.C:18KA

15A
3P

3#12AWG
+ #12Cu.
BOND, 21mmC

15A
3P

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

25A
3P

3#12AWG
+ #12Cu.
BOND, 21mmC

25A
3P

3#12AWG
+ #12Cu.
BOND, 21mmC

25A
3P

3#12AWG
+ #12Cu.
BOND, 21mmC

40A
3P

3#8AWG
+ #10Cu.
BOND, 27mmC

30kVA 600V-
120/208
3φ, 4W
TX12
#6Cu.
GND

30A, 600V
NON-FUSED
D/C SWITCH

30A, 600V
NON-FUSED
D/C SWITCH

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

4#2AWG
+ #6Cu.
BOND, 41mmC

PANEL P12B

VP12-1a
SEAWATER
PUMP HOUSE

VP12-1b
SEAWATER
PUMP HOUSE

P12-1C
SEAWATER
PUMP HOUSE

P12-1B
SEAWATER
PUMP HOUSE

P12-1A
SEAWATER
PUMP HOUSE

UH12-1
ELECTRIC
UNIT HEATER
SEAWATER
PUMP HOUSE

UH12-2
ELECTRIC
UNIT HEATER
SEAWATER
PUMP HOUSE

CONTROL PANEL

3#12AWG
+ #12Cu.
BOND, 21mmC

3#12AWG
+ #12Cu.
BOND, 21mmC

NOTES:
1. SUPPLY AND INSTALL ONE (1) 3P, 200A, 600V BREAKER IN HVAC SWITCHBOARD LOCATED IN CABOT MAIN ELECTRICAL ROOM TO SERVICE

PARTIAL SINGLE LINE DIAGRAM

N.T.S.

3
E-101