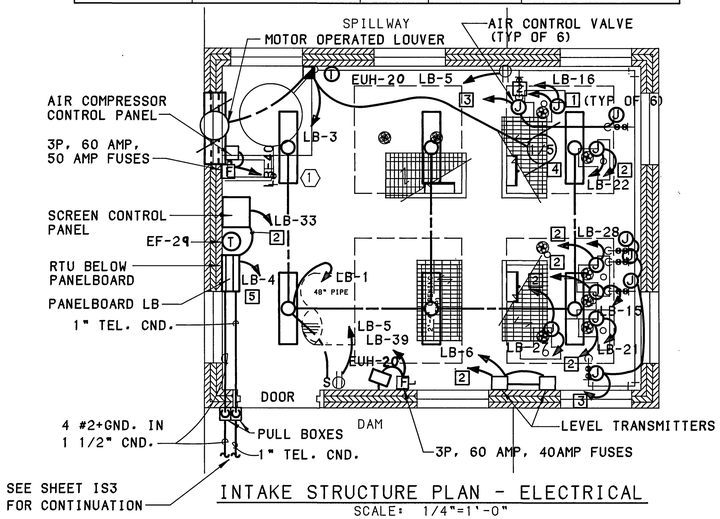
LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MFG. & CAT. NO.	TYPE	LAMPS	REMARKS
(1)	KLP STW248HO	FLOUR.	2-60HO	WET LOCATION 120V FOR INTAKE STRUCTURE, 277V FOR LOW LIFT PUMP STATION
(2)	EXCELLINE 553250LX W/ P110/P150 PHOTO CELL	HPS	1-250WHPS	120V FOR INTAKE STRUCTURE, 277V FOR LOW LIFT PUMP STATION



INTAKE STRUCTURE PLAN - ELECTRICAL

SCALE: 1/4"=1'-0"

LEGEND

- [1] PLAN NOTE DESIGNATION
- (1) LIGHTING FIXTURE DESIGNATION
- FLOURESCENT LIGHTING FIXTURE, CEILING MOUNTED
- INCANDESCENT OR HID LIGHTING FIXTURE, CEILING MOUNTED
- INCANDESCENT OR HID LIGHTING FIXTURE, WALL MOUNTED
- S SWITCH, SINGLE POLE, MH=4'-0" TO TOP
- S_3 SWITCH, 3-WAY, MH=4'-0" TO TOP
- DUPLEX RECEPTACLE, WP-WEATHERPROOF, GF-GROUND FAULT, MH=2'0" TO TOP UNLESS OTHERWISE NOTED
- TELEPHONE OUTLET, MH=4'-0" TO TOP UNLESS OTHERWISE NOTED
- CONNECTION TO EQUIPMENT NOTED
- (75) MOTOR ON EQUIPMENT NOTED, NUMBER DESIGNATES APPROXIMATE HORSEPOWER
- SWITCH CONTROL IN CONDUIT
- WIRING IN CONDUIT BELOW GRADE OR BENEATH SLAB
- WIRING IN CONDUIT OVERHEAD
- HOMERUN TO PANEL AND CIRCUIT INDICATED
- PANELBOARD, MH=6'-0" TO TOP
- FUSED DISCONNECT SWITCH, RATING AS INDICATED MH=6'-0" TO TOP
- WALL MOUNTED DRY TYPE TRANSFORMER
- COMBINATION STARTER, MH=6'-0" TO TOP
- MANUAL MOTOR STARTER, MH=6'-0" TO TOP

ELECTRICAL NOTES THIS SHEET:

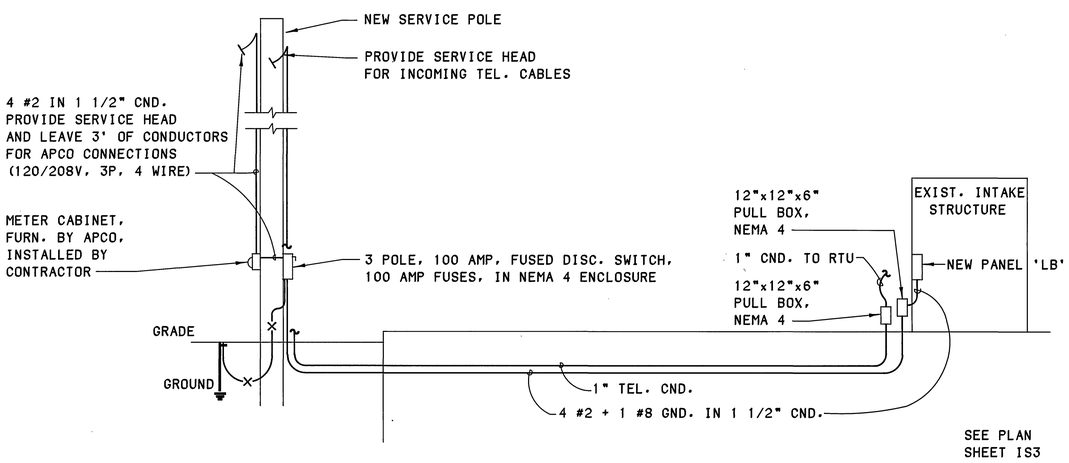
1. CONNECT TO SLUICE GATE OPERATOR AND CONTROLS.
2. CONTROL WIRING IN CONDUIT AS REQ'D TO RTU.
3. CONTROL WIRING AS REQ'D TO SCREEN CONTROL PANEL.
4. FAN EF-2 WITH MOTOR OPERATED DAMPERS.
5. ADD TELEPHONE CONNECTION AT RTU AND STUB OUT.

SCHEDULE-PANELBOARD LB

CKT NO	BKR P	BKR AMP	WIRE NO	WIRE SIZE	CND	LOAD DESCRIPTION	LOAD KVA PH A	PH B	PH C	3 PH	CKT NO	BKR P	BKR AMP	WIRE NO	WIRE SIZE	CND	LOAD DESCRIPTION	LOAD KVA PH A	PH B	PH C	3 PH
1	1	20	2	12	3/4"	LIGHTING	.6				2	1					SPACE ONLY				
3	1	20	2	12	3/4"	FAN F-29 & MOTOR OPER. LOUV.		.2			4	1	20	2	12	3/4"	RTU		.5		
5	1	20	2	12	3/4"	RECEPTACLE			.2		6	1	20	2	12	3/4"	LIQUID LEVEL TRANSMITTERS			1.0	
7	1					SPACE ONLY					8	1					SPACE ONLY				
9	1					SPACE ONLY					10	1					SPACE ONLY				
11	1					SPACE ONLY					12	1					SPACE ONLY				
13											14										
15	3	15	4	12	3/4"	SLUICE GATE				.7	16	3	15	4	12	3/4"	SLUICE GATE				.7
17											18										
19											20										
21	3	15	4	12	3/4"	SLUICE GATE				.7	22	3	15	4	12	3/4"	SLUICE GATE				.7
23											24										
25											26										
27	3	15	4	12	3/4"	SLUICE GATE				.7	28	3	15	4	12	3/4"	SLUICE GATE				.7
29											30										
31											32										
33	3	20	4	12	3/4"	SCREEN CONTROL PANEL				1.0	34	3					SPACE ONLY				
35											36										
37											38										
39	3	40	4	8	1"	EUH - 20				10.0	40	3	50	4	8	1"	AIR COMPRESSOR				10.0
41											42										
							.6	.2	.2	13.1								.5	1.0	12.1	
																		.6	.2	.2	13.1
																		.6	.7	1.2	25.2
																		27.7 KVA			

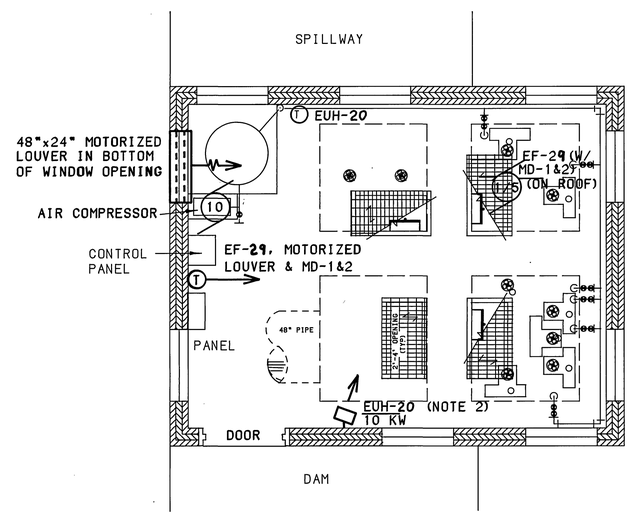
VOLTAGE 120/208 3 PHASE 4 WIRE MOUNTING SURFACE

BUS AMPS 100 MAIN BREAKER AMPS 100 SUBFEED LUGS NO



POWER AND TELEPHONE RISER DIAGRAMS

NO SCALE



INTAKE STRUCTURE PLAN - MECHANICAL

SCALE: 1/4"=1'-0"

LEGEND

(SEE SHEET M12)

MECHANICAL NOTES THIS SHEET:

1. CENTER EF-29 ABOVE TRUSS. PROVIDE 2 - 12 X 20 MD'S ON BOTTOM OF ROOF SHEATHING ALIGNED WITH FAN OPENING & TIGHT AGAINST TRUSS.
2. PROVIDED UNDER DIVISION 16.
3. FILL EXISTING WOOD LOUVER OPENING WITH BRICK - BOTH ENDS.
4. SEE ADDITIONAL EQUIPMENT NOTES ON SHEET PS8.

RECORD DRAWING

MATTERN & CRAIG
CONSULTING ENGINEERS • SURVEYORS
ROANOKE VIRGINIA

ALVORD, BURDICK & HOWSON
ENGINEERS CHICAGO

DESIGNED: JBO/RMJ
DRAWN: TLM
CHECKED: SWH

COMMONWEALTH OF VIRGINIA — JOHN B. OBENCHAIN — 8/20/92 — NO. 03326 — PROFESSIONAL ENGINEER

COMMONWEALTH OF VIRGINIA — R.M. JOHN — NO. 04627 — PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION	BY	APP.
1	8/92	MISCELLANEOUS	DSG	RWB

CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I
ROANOKE, VIRGINIA

INTAKE STRUCTURE
ELECTRICAL & MECHANICAL

DATE MARCH 1992
COMM. NO. 1138
SHEET IS8

PLAN NO. 6199