

PLAN NOTES

1. REFER TO ELECTRICAL SITE PLAN FOR ALL EXTERIOR CONDUIT RUNS AND WIRING TO EQUIPMENT AND YARD LIGHTING.
2. ALL U.G. CONDUIT RUNS SHALL BE MINIMUM 2'-0" DEPTH.
3. REFER TO HVAC AND PLUMBING PLAN FOR MECHANICAL EQUIPMENT INSTALLATIONS.
4. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES. VERIFY EXACT LOCATION AND HEIGHT OF ALL EQUIPMENT PRIOR TO ROUGH-IN.
5. PROVIDE COMPLETE WIRING AND INSTRUMENTATION AS REQUIRED AND RECOMMENDED BY EQUIPMENT MANUFACTURER.
6. ALL CONDUITS SHALL BE MINIMUM SIZE OF 3/4" C., AND ALL WIRING SHALL BE MINIMUM SIZE #12 AWG, EXCEPT AS OTHERWISE SHOWN.
7. NEMA 1, 400 AMP, DPDT, MANUAL TRANSFER SWITCH, 600 VOLT SUITABLE FOR SERVICE ENTRANCE, W/O GROUND FAULT PROTECTION, SOLID STATE LOGIC PANEL, SOLID NEUTRAL BAR, MANUAL OPERATING HANDLE, WESTINGHOUSE TYPE MTSBM30400, OR APPROVED EQUAL.
8. REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS.
9. **AUTOMATIC ALTERNATOR ADDED BY CHANGE ORDER TO HI-SERVICE PUMPS #1 & #2, AND AIR COMPRESSOR #1 & #2.**

ELECTRICAL PANEL SCHEDULE

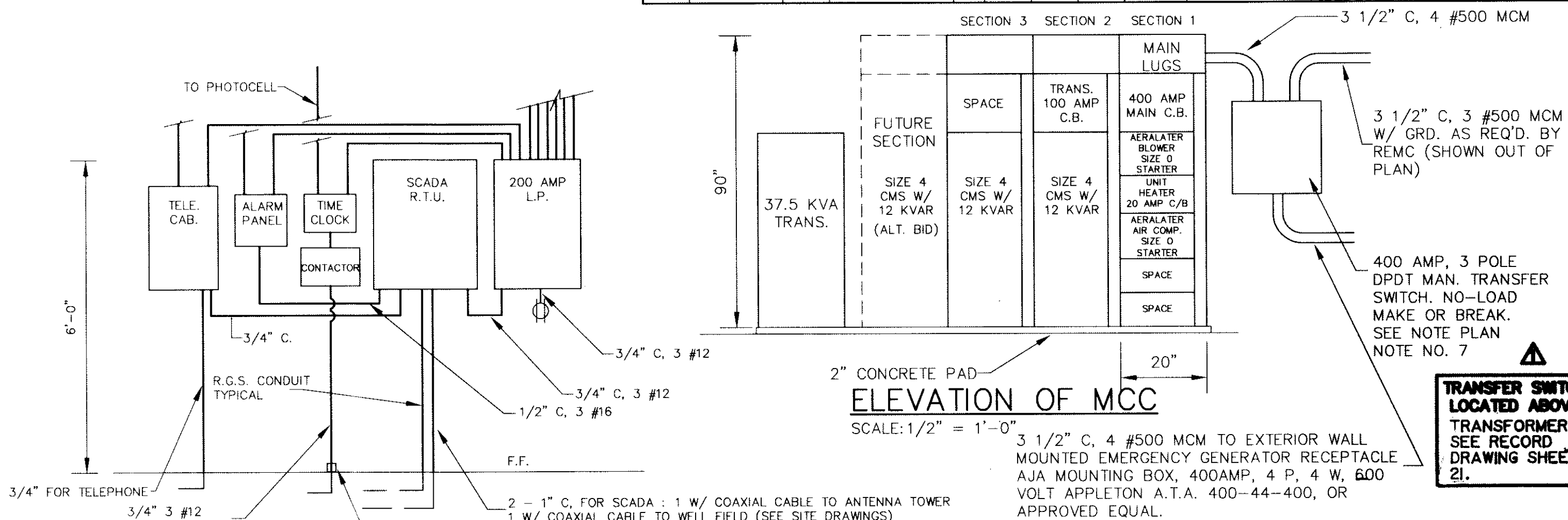
MANUFACTURER: SQUARE D		MODEL: NQDD		TYPE: SURFACE MOUNT	
MAINS:		200 AMPS		VOLTAGE: 120/240V, 3WIRE	
				MAIN BREAKER RATING: 150	
DEVICE	BRANCH CIRCUIT	BRANCH CIRCUIT	BRANCH CIRCUIT	BRANCH CIRCUIT	DEVICE
AMPS	TRIP CLASS OR RATING	DESIGNATION	VOLTS	NO.	CLASS OR RATING
20	1	N.L. LIGHTING LOCK ON	1	2	LIGHTING MAIN HALLWAY
20	1	OUTLETS/SWITCHES BATHROOM	3	4	OUTLETS/SWITCHES CHL. ROOM
20	1	OUTLETS/SWITCHES CHL. ROOM	5	6	OUTLETS CHL. ROOM
20	1	FLUORIDE PUMPS	7	8	OUTLETS EQUIP. AREA
20	1	LIGHTING FOR AERALATER	9	10	FURN. & COND. UNIT
20	1	OUTLETS	11	12	FURN. & COND. UNIT
20	1	OUTLETS	13	14	DESK TOP COMP.
20	1	TELEPHONE	15	16	CONTACTOR/EXTERIOR LIGHTS
20	1	SCADA CONTROL PANEL	17	18	LIGHTING
20	1	LIGHTING	19	20	AERALATER CONTROL PANEL
20	1	F.A. PANEL	21	22	SPARE
20	1	OUTLETS	23	24	SPARE
		SPARE	25	26	SPARE
		SPARE	27	28	SPARE
		SPARE	29	30	SPARE
		SPARE	31	32	SPARE
		SPARE	33	34	SPARE
		SPARE	35	36	SPARE

LIGHTING FIXTURE SCHEDULE

TYPE	LOCATION	QTY.	DESCRIPTION	LAMPS PER FIXTURE	VOLTS	MOUNTING HEIGHT	REMARKS
A	CHL. ROOM	1	HUBBELL # DMR-KT-2120-C4	2 R.S. 40	120	SURFACE MTD.	HUBBELL # OR APPROVED EQUAL
B	OFFICE/FURNACE	3	HUBBELL # DMR-KT-2120-C4	2 R.S. 40	120	SURFACE MTD.	HUBBELL # OR APPROVED EQUAL
C	AERALATER	3	KILLARK # VUCGG1-100	1 INC. 100	120	SURFACE MTD.	KILLARK VAPOR PROOF, OR APPROVED EQUAL
D	ELECTRIC & PUMP ROOM	8	HUBBELL # DMR-KT-2120-C4	2 R.S. 40	120	SURFACE MTD.	HUBBELL # OR APPROVED EQUAL
E	EXTERIOR WALL MOUNT	2	LUMARK # HPMW-PC-70	1 HPS 70	120	8' WALL MTD.	LUMARK # OR APPROVED EQUAL
F	EXTERIOR	1	DVM255C23ET-1-P	1 HPS 250	120	29' FLOOD LIGHT	CROUSE-HINDS # OR APPROVED EQUAL TURN WITH #06842 (4' ARM MAST) ON 35' CLASS 3 POLE

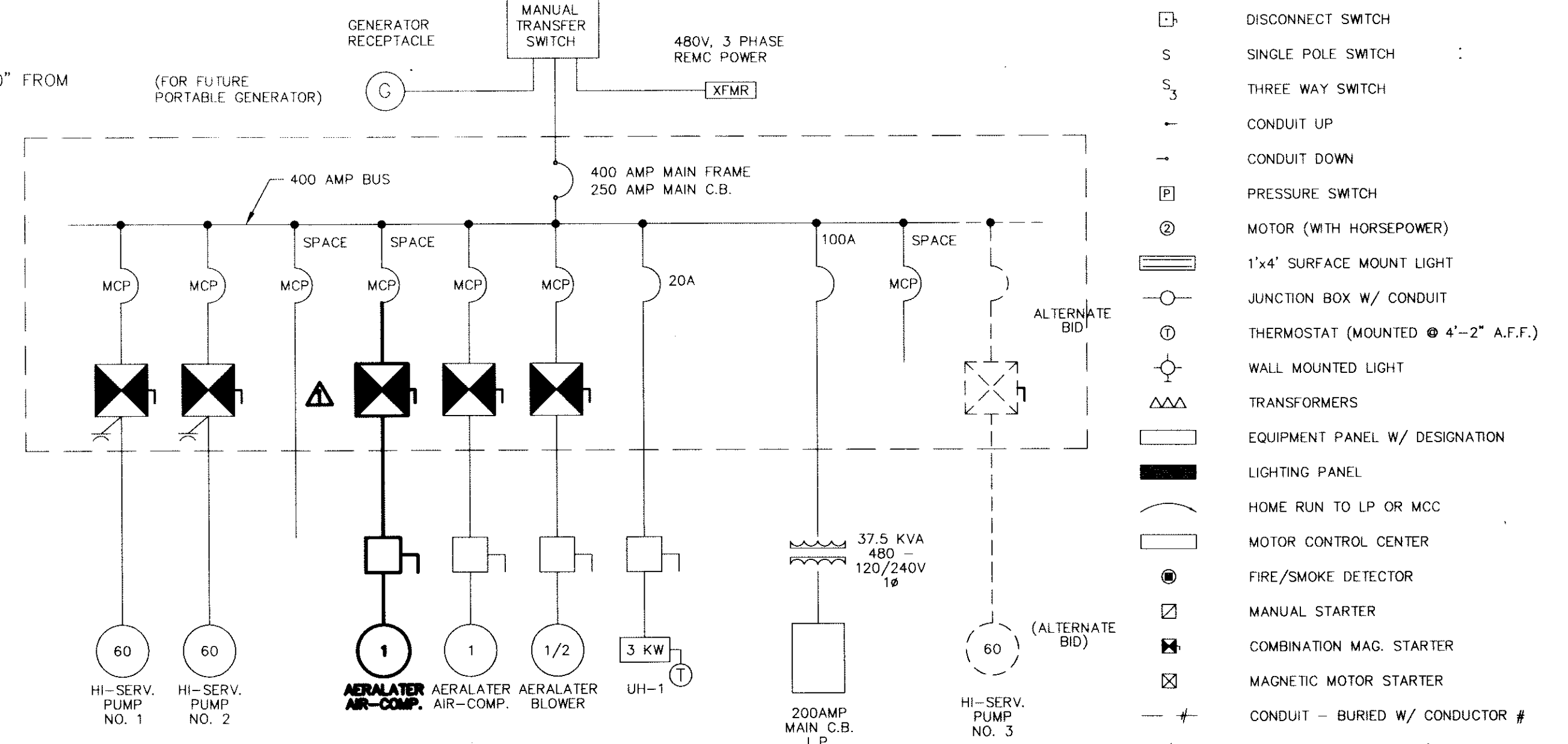
RECORD DRAWINGS

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ELEVATION - NORTH WALL ELECTRICAL ROOM

SCALE: 1/2" = 1'-0"



ELECTRICAL LEGEND

120V OUTLET W/ CIRCUIT#	WP = WATERPROOF
120V OUTLET, GROUND FAULT INTERRUPTER	
DISCONNECT SWITCH	
SINGLE POLE SWITCH	
THREE WAY SWITCH	
CONDUIT UP	
CONDUIT DOWN	
PRESSURE SWITCH	
MOTOR (WITH HORSEPOWER)	
1"x4" SURFACE MOUNT LIGHT	
JUNCTION BOX W/ CONDUIT	
THERMOSTAT (MOUNTED @ 4'-2" A.F.F.)	
WALL MOUNTED LIGHT	
TRANSFORMERS	
EQUIPMENT PANEL W/ DESIGNATION	
LIGHTING PANEL	
HOME RUN TO LP OR MCC	
MOTOR CONTROL CENTER	
FIRE/SMOKE DETECTOR	
MANUAL STARTER	
COMBINATION MAG. STARTER	
MAGNETIC MOTOR STARTER	
CONDUIT - BURIED W/ CONDUCTOR #	
CONDUIT - EXPOSED W/ CONDUCTOR #	
CONDUIT - CONCEALED W/ CONDUCTOR #	
TELEPHONE OUTLET W/ JACK	

TREATMENT PLANT ELECTRICAL PLAN

SCALE: 3/8" = 1'-0"

MANUAL TRANSFER SWITCH/MOTOR CONTROL CENTER REARRANGED PER C.O. #2 REFER TO SHEET B10A.

CONTRACT "B"
WELLS AND TREATMENT FACILITIES
ELECTRICAL PLAN AND DETAILS
ELROD WATER COMPANY, INC.
DIVISION "E"
WATERWORKS SYSTEM IMPROVEMENTS

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SHEET B16
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