

GENERAL NOTES

- 1. PERFORM ALL WORK ACCORDING TO THE CALIFORNIA ELECTRICAL CODE, 2001
- 2. USE STRANDED COPPER WIRE, THWN
- 3. CONDUIT REQUIREMENTS: INDOORS: WHERE PROTECTED, EMT. RS WHERE NOT PROTECTED.
- OUTDOORS: RS, WRAPPED WITH 10 MIL PIPE TAPE, HALF-LAPPED, AT RISERS FROM 3" ABOVE GRADE TO 24" BELOW GRADE.
- UNDERGROUND: SCHEDULE 40 PVC AT 24" COVER, EXCEPT AT EXPOSED RISERS. USE SCHEDULE 40 PVC RISERS WITH ENDBELLS INSIDE TRANSFORMERS AND SWITCHBOARDS.
- 4. LOCATIONS OF EQUIPMENT IS DIAGRAMMATIC. LOCATE (N) THE EQUIPMENT TO AVOID CONFLICTS AND MAINTAIN WORKING CLEARANCE AT LEAST 36" IN FRONT AND 30" AROUND.
- 5. GENERAL PURPOSE BRANCH CIRCUITS ARE 1/2"C, 2-#12 +#12 GR UNLESS OTHERWISE NOTED
- 6. MAINTAIN FIRE RATING AND WATERPROOFING ALL PENETRATIONS. SEAL UNUSED OPENINGS IN ELECTRICAL ENCLOSURES.
- 7. MODIFY (E) REFRIGERANT LEAK PANEL TO ACCOMODATE (N) CHILLER. SEE MECHANICAL DRAWINGS.

SHEET NOTES

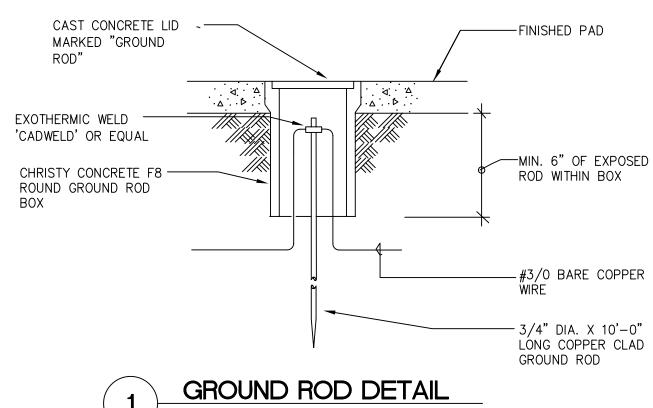
- (TYPICAL) COMBINATION STARTER/DISCONNECT 480V, NEMA SIZE AS SHOWN, NEMA 3R ENCLOSURE MOTOR CIRCUIT PROTECTOR (MCP), CONTROL POWER TRANSFORMER 480:120, FUSED PRIMARY AND SECONDARY, OFF—AUTO SELECTOR SWITCH AND RED LED "RUN" PILOT LIGHT. SEE DETAIL 6/E3.1
- MINI POWER CENTER: COMBINATION TRANSFORMER AND PANELBOARD WITH INTEGRAL MAIN CIRCUIT BREAKER; SQUARE D, CUTLER HAMMER, OR EQUAL. PROVIDE CIRCUIT BREAKERS AS SHOWN IN DETAIL 2.
- 3 PROVIDE (N) 480V CIRCUIT BREAKER OF RATING SHOWN AT (E) MCC/MSB, 65KAIC.
- 4 CONNECT (N) CHILLER SHUTDOWN TO (E) AND MODIFY CONTROLS AS SHOWN ON THE MECHANICAL DRAWINGS.
- 5 CONNECT EXHAUST FAN SPEED CONTROL TO LEAK DETECTION PANEL. SEE SHEET NOTE 1 ON E2.1
- 5 OUTDOOR WEATHERPROOF SWITCHBOARD (NEMA 3R ENCLOSURE). PROVIDE INSULATED CASE MAIN CIRCUIT BREAKER WITH GF PROTECTION AND MOLDED CASE BRANCH CIRCUIT BREAKERS. MANUFACTURRE'S STANDARD CONSTRUCTION WITH AIC RATING AS SHOWN.

DEMOLITION

DEMOLITION IS INCLUDED. SEE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS. RELOCATE (E) BRANCH CIRCUITS FOR EQUIPMENT THAT IS RELOCATED. REMOVE CONDUCTORS AND EXPOSED CONDUITS TO EQUIPMENT THAT IS REMOVED. SEAL UNUSED OPENINGS. PROVIDE CLEAN, TYPEWRITTEN UPDATED PANEL SCHEDULES FOR AFFECTED PANELBOARDS. LABEL UNUSED SECTIONS OF (E) MOTOR CONTROL CENTER AS 'SPARE.'

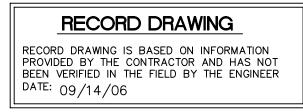
LEGEND

- CB | ENCLOSED CIRCUIT BREAKER, NEMA 1
 - HP RATED NON-FUSED DISCONNECT NEMA 1 OR 3R AS NOTED
- DF HP RATED FUSED DISCONNECT WITH TIME DELAY FUSES
 NEMA 1 OR 3R AS NOTED
- CS COMBINATION STARTER WITH MOTOR CIRCUIT PROTECTOR, STARTER, AND CONTROL DEVICES, NEMA SIZE AS SHOWN. SEE DETAIL 1/E3.1
- VFD VARIABLE FREQUENCY DRIVE
- NON-FUSED HP RATED DISCONNECT, LOCKABLE IN THE OFF POSITION
- VARIABLE FREQUENCY DRIVE FURNISHED WITH MOTOR
- CONTROL POWER DISCONNECT, 120V, 20A TOGGLE SWITCH IN WEATHER PROOF BELL BOX WITH 5155-0 FLAP COVER
- МУ мотог
- (N) NEW EQUIPMENT
- (E) EXISTING EQUIPMENT
- CIRCUIT BREAKER (GF INDICATES INTEGRAL GROUND FAULT PROTECTION)
- F# FEEDER TAG PLAN AND SINGLE LINE DIAGRAM
- ---- CONDUIT UNDERGROUND
- _____ CONDUIT ABOVE GROUND



MINI POWER CENTER MP	<u>C1</u>	5 I	<vα,< th=""><th>120,</th><th>/24</th><th>0 V</th><th></th></vα,<>	120,	/24	0 V	
DESCRIPTION	KVA LOAD			СВ	CCT		
	Α	В		СВ		T	
RECEPTACLE, TOWER	.2			20/	1P	1	
TOWER WATER TREAT		.5				2	╁
CONTROLS AT TOWER	1					3	
TOWER SEWER EJECTOR		1.2				4	╟╬
LAKOS FILTER SYSTEM						5	
						6	┝┼╡
							
TOTAL	2.2	2.7					

2 MPC1 PANEL SCHEDULE
N.T.S.





DRAWN BY
CHECKED BY
DATE

ChevronTexa

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Moderniza

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E1.1