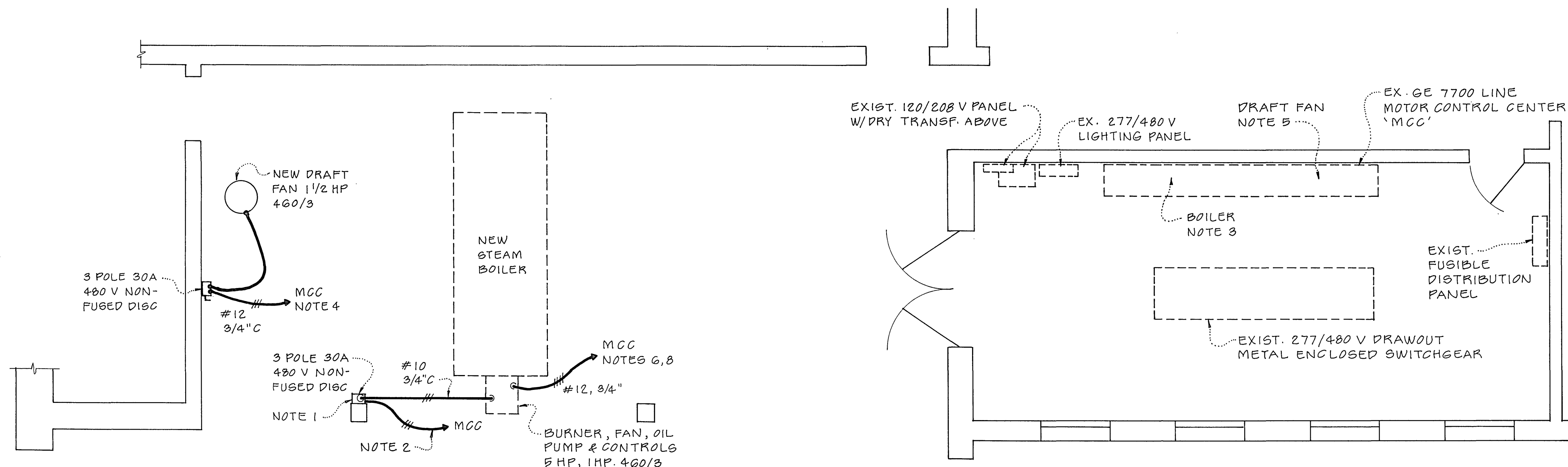
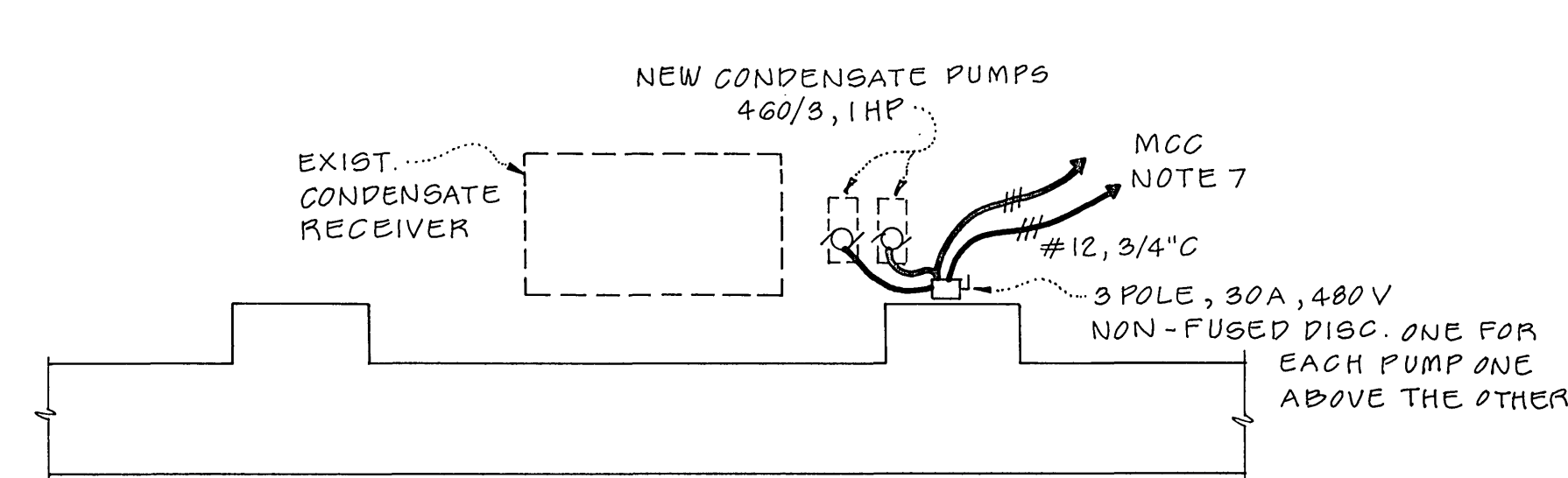
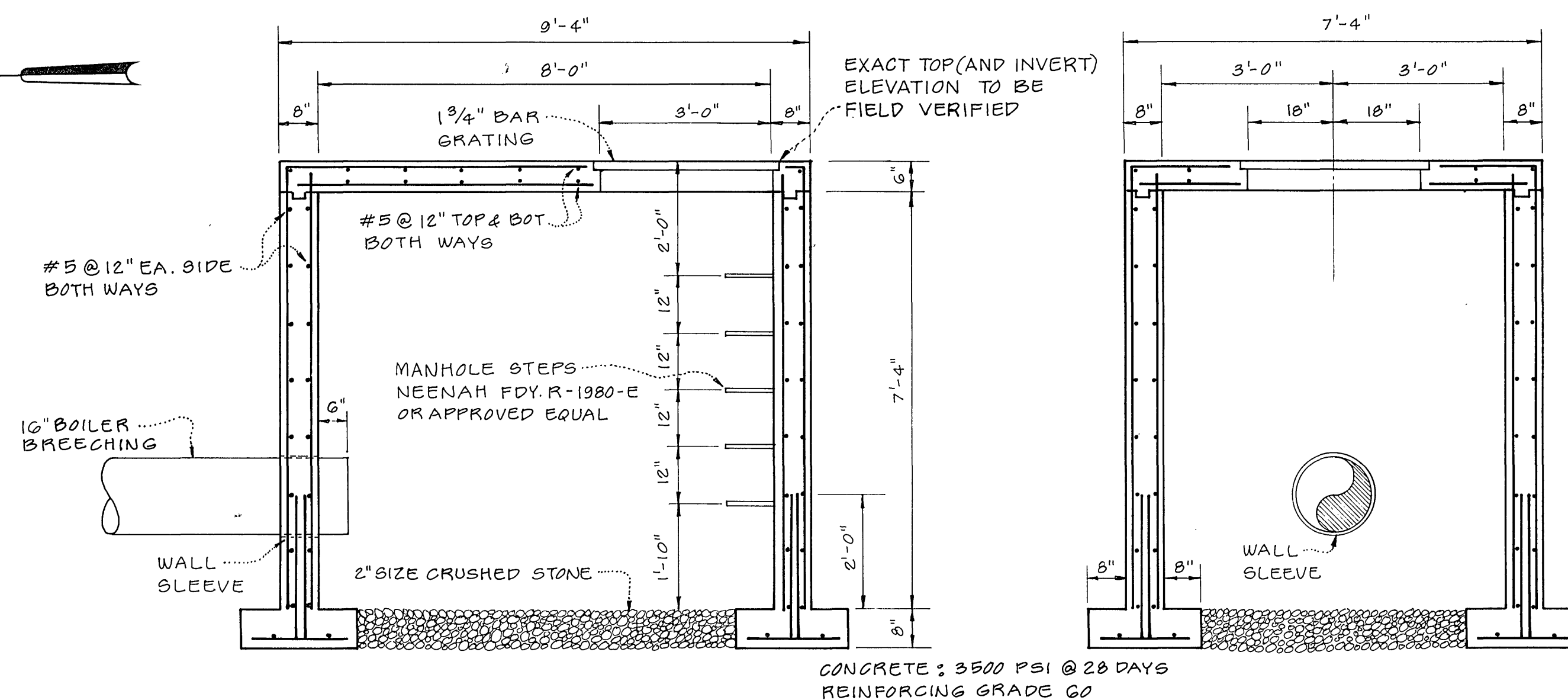




PARTIAL MAIN FLOOR ELECTRICAL PLAN
BOILER INSTALLATION
SCALE : 1/4" = 1'-0"



PARTIAL ELECTRICAL PLAN
AT LOWER LEVEL SHOWING
NEW FEEDWATER PUMP
SCALE : 1/4" = 1'-0"



LONGITUDINAL SECTION
CROSS SECTION
EXHAUST PIT DETAIL
SCALE : 1/2" = 1'-0"

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	SAFETY SWITCH, HEAVY DUTY, FUSIBLE OR NON-FUSIBLE AND POLES AS INDICATED.
	POWER RECEPTACLE, WALL MOUNT, NEMA TYPE AS NOTED.
	ELECTRIC MOTOR HP, VOLTAGE & PHASE AS INDICATED.
	CIRCUIT RUN AND CONNECTION TO DEVICE. HASH MARKS INDICATE NUMBER OF CONDUCTIONS EXCEPT GROUNDS. ARROW HEADS INDICATE NUMBER OF CIRCUITS. PANEL DESIGNATION AS INDICATED. BRANCH CONDUCTORS ARE #12 AWG COPPER UNLESS OTHERWISE INDICATED.
	OVERHEAD HA CONCEALED IN WALLS
	BELOW
	JUNCTION BOX, SIZE AS NOTED.

NOTES

- LOCATION OF PRESENT 3P-60A POWER RECEPTACLE FED VIA 2" C, UNDER FLOOR FROM 3-POLE 60 AMP FUSIBLE SWITCH IN MCC. REMOVE POWER RECEPTACLE AND RETURN TO OWNER. EXTEND 2" C UP TO NEW 3P-30A NON-FUSED SWITCH DISCONNECT.
- CONTRACTOR MAY RE-USE EXISTING CONDUCTORS IN 2" C WHICH WILL REQUIRE NEW J.B. FOR SPLICE AT PRESENT RECEPTACLE LOCATION. CONTRACTOR MAY REMOVE EXISTING CONDUCTORS AND INSTALL 3#10 NEW CONDUCTORS.
- CHANGE FUSES IN EXISTING SWITCH (NOTE 1 ABOVE) TO 20 AMP. CHANGE FUSE BLOCK TO ACCOMMODATE SMALLER FUSE.
- RUN OVERHEAD AND CONNECT TO EXISTING SPARE NEMA SIZE 1 STARTER IN MCC.
- EXISTING SIZE 1 FUSIBLE DISCONNECT STARTER. CHANGE FUSES AND OVERLOADS TO SUIT FAN. STARTER HAS HAND-OFF-AUTO SELECTOR AND CONTROL CIRCUIT TRANSFORMER.
- CONNECT AUXILIARY FAN CONTACT IN BOILER CONTROL TO AUTO POSITION OF FAN STARTER.
- CONNECT TO EXISTING NEMA SIZE 1 SPARE STARTERS IN MCC. CHANGE FUSES AND OVERLOADS TO SUITE PUMP. STARTERS HAVE HAND-OFF-AUTO SELECTOR AND CONTROL CIRCUIT TRANSFORMER. PROVIDE PUMP 1-PUMP 2 SELECTOR SWITCH IN ONE STARTER TO SELECT OPERATING PUMP.
- CONNECT BOILER FILL CONTROLS TO AUTO POSITION OF CONDENSATE PUMP STARTERS
- RELABEL EXISTING STARTER CUBICLES TO IDENTIFY NEW EQUIPMENT CONNECTED TO THE EXISTING MCC. NAME PLATE CONSTRUCTION TO MATCH THE EXISTING NAME PLATES ON THE MCC.
- ALL MOTOR FUSES TO BE TYPE K, DUAL ELEMENT TIME DELAY TYPE. ALL MOTOR OVERLOAD HEATERS SHALL BE NEW AND SIZED FOR THE NEW EQUIPMENT INSTALLED.

BOILERS: KEWANEE CLASSIC III MODEL L3S-200-60

PACKAGE BOILER - BURNER UNIT; CAPACITY 6,900 #STM/HR; TOTAL HEATING SURFACE 1,000 SQ. FT.; FIRING RATE 8,370 CU.FT. GAS/HR AT 1,000 BTU/CU.FT.; FIRING RATE 59.8 GAL/HR OIL AT 140,000 BTU/GAL; SAFETY VALVE CAPACITY 8,000 LBS. STEAM HR; BURNER MOTOR 5 HP.

INDUCED DRAFT FAN: DEBOTHEZAT MODEL SL-1833-1-1-1/2
CAPACITY - 3,800 CFM AT 3/4 INCH STATIC PRESSURE, 1-1/2 H.P., 1,750 RPM, 8,245 FPM MAX. TIP SPEED.

BOILER FEED WATER PUMPS INDUSTRIAL STEAM MODEL A15-613 CAPACITY - 28 GPM AT 70 FT. HEAD, SIZE 1-1/2" X 2-1/2" X 5", 3,500 RPM. 1 H.P.

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