ELECTRICAL SYMBOLS LEGEND

---- STRIP FIXTURE

\$	OUTLETS DUPLEX RECEPTACLE JUNCTION BOX		SERVICE and EQUIPMENT DISCONNECT SWITCH (fuse size shown)	A AFF AHJ	AMPS ABOVE FINISHED FLOOR AUTHORITY HAVING JURISDICTION	GC GFI GND	GENERAL CONTRACTOR GROUND FAULT INTERUPTER GROUND	P P- PB PNL	POLE PUMP PULL BOX PANEL
اد ق	WALL JUNCTION BOX PULL (JUNCTION) BOX		MAGNETIC STARTER (BY E/C U.ON.) COMB. STARTER (BY E/C U.ON.) PANELBOARD, SURFACE MOUNTED	B- BLDG	BOILER BUILDING	HOA HP	HAND-OFF-AUTO SELECTOR SWITCH HORSEPOWER	PVC PWR	POLY VINYL CLORIDE POWER
	UNDERFLOOR JUNCTION BOX	<u> </u>	WEATHERHEAD UTILITY METER, AS REQUIRED	CND (C) CKT	CONDUIT CIRCUIT	IMC	INTERMEDIATE METAL CONDUIT	RECEPT RGC	RECEPTACLE RIGID GALVANIZED STEEL CONDUIT
\$	<u>SWITCHES</u> SINGLE-POLE SWITCH	CT .	CURRENT TRANSFORMERS	CKT BKR CUH-	CIRCUIT BREAKER CABINET UNIT HEATER	JB	JUNCTION BOX	SPEC SW	SPECIFICATIONS SWITCH
\$ _{TO}	THERMAL OVERLOAD SWITCH MANUAL MOTOR SWITCH		GROUND CONNECTION PER N.E.C. WIREWAY	DISC DWH-	DISCONNECT DOMESTIC WATER HEATER	LT LTG LT FLEX	LIGHT LIGHTING LIQUID TIGHT FLEXIBLE METAL CONDUIT	SWBD	SWITCHBOARD
ΨM	MECHANICAL	\Box	ENCLOSED CIRCUIT BREAKER	EC	ELECTRICAL CONTRACTOR	MAX	MAXIMUM	TYP UH-	TYPICAL UNIT HEATER
Ø	SINGLE PHASE MOTOR	×	CONTROL LIGHTING CONTACTOR	EMT EXIST (E)	ELECTRICAL METALLIC TUBING EXISTING	MC MIN	MECHANICAL CONTRACTOR MINIMUM	UL UNO	UNDERWRITERS' LABORATORIES, INC. UNLESS NOTED OTHERWISE
/● /	THREE PHASE MOTOR		FIRE ALARM	FL <i>A</i> FLEX	FULL LOAD AMPS FLEXIBLE CONDUIT	MLO MT MTD	MAIN LUG ONLY MOUNT MOUNTED	V	VOLTS
^	<u>DESIGNATIONS</u>	@	SMOKE DETECTOR	FLR FLUOR	FLOOR FLUORESCENT	MTG	MOUNTING	VL	VERIFY LOCATION WITH OWNER
\otimes	DEMOLITION NOTE PLAN NOTE	FACE (F)	FIRE ALARM CONTROL PANEL FIRE ALARM FLOW SWITCH MONITOR			NC	NORMALLY CLOSED	₩ ₩/	WATTS WITH
À	ADDENDUM NOTE		CIRCUITRY and RACEWAYS			NIC NO NTS	NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE	W/O WP	WITHOUT WEATHER PROOF
	FIXTURES		- CONDUIT INSTALLED (by E.C.)					XFMR	TRANSFORMER

ABBREVIATIONS LEGEND

Г----NEW , NEUTRAL 120V-10 TO 20 AMP I POLE BREAKER IN NEUTRAL 208V-3¢ TO 20 AMP 3 POLE BREAKER IN , LINE WOOD CHIP BOILER <u>CONTROL</u> BOILER CONTACTOR BOILER WIRING DIAGRAM N.T.S.

→ 13 HOME RUN (with circuit numbers)

----- "CONDUIT RUN CONTINUES" INDICATION

DEMOLITION NOTES:

COORDINATE RELOCATION OF EXISTING UNDERGROUND ELECTRICAL PRIMARY SERVICE WITH OWNER AND INSTALLATION OF NEW CHIP RECEIVING BIN.

ELECTRICAL KEY NOTES:

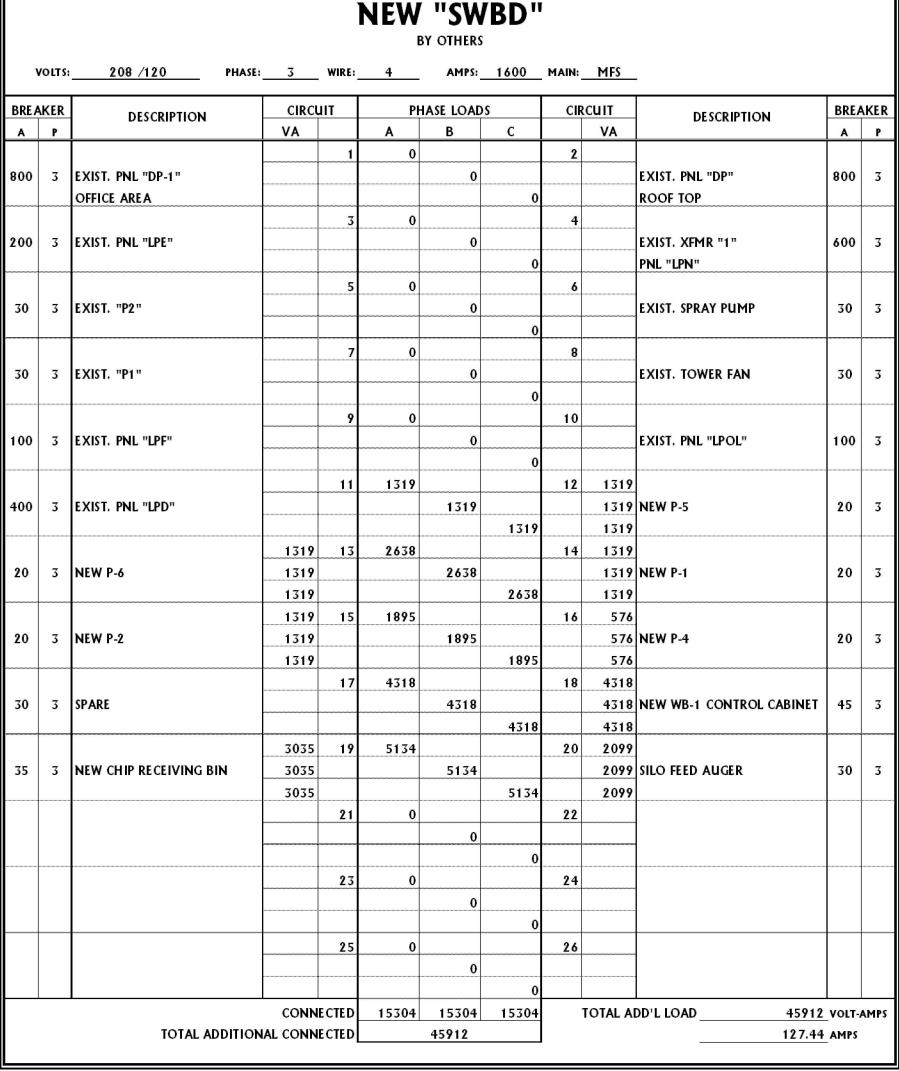
NEW ELECTRICAL RISER DIAGRAM

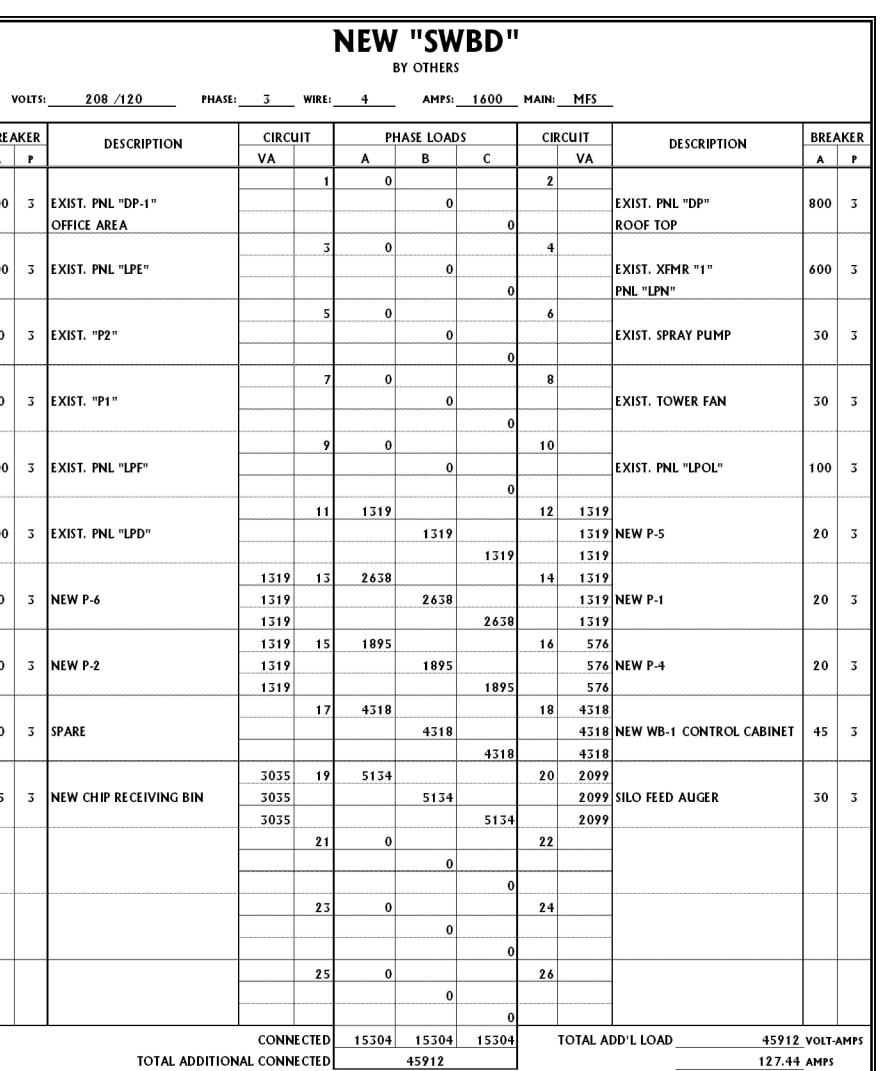
E-100 SCALE: N.T.S.

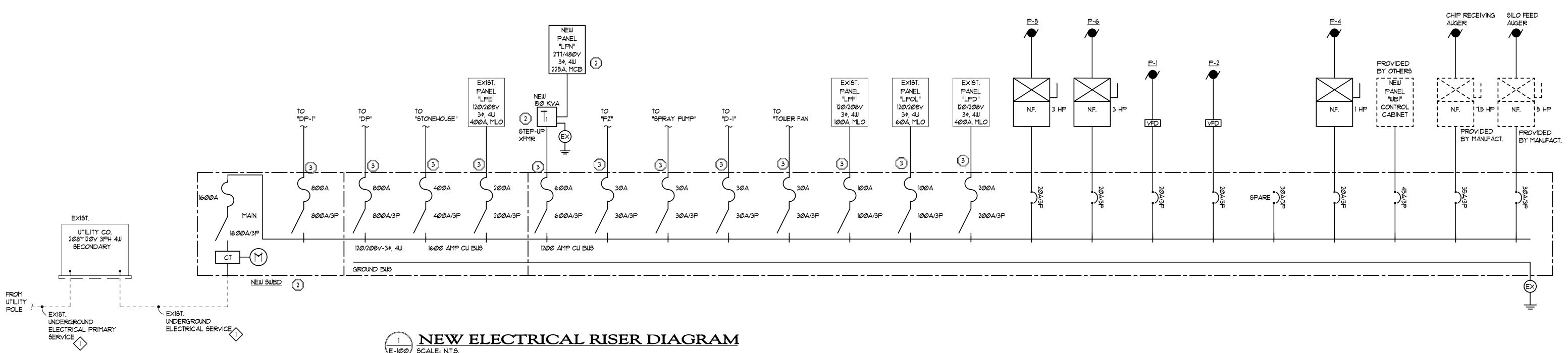
- PROVIDE NEW RED MUSHROOM STYLE EPO BUTTON WITH BREAK GLASS AND PROTECTIVE COVER
- 2 PROVIDED AND INSTALLED BY OTHERS.
- 3 EXISTING FEEDS DISCONNECTED AND RECONNECTED BY OTHERS.

GENERAL ELECTRICAL NOTES

- 1. ALL WALL AND FLOOR PENETRATIONS ARE TO BE SEALED TO MAINTAIN ORIGINAL RATING.
- 2. ALL CONDUITS TO BE FIELD ROUTED ALONG EXISTING PIPING AND STRUCTURAL STEEL.
- 3. THE DIVISION 26 CONTRACTORS SHALL VISIT THE PROJECT AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT.
- 4. REMOVE ALL EXISTING OBSOLETE EXPOSED CONDUIT, WIRE AND UNUSED EQUIPMENT WHERE WORK IS BEING DONE EXCEPT ITEMS NOTED OTHERWISE.
- 5. WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF OLD WORK, SURFACES SHALL BE PATCHED TO MATCH ADJACENT.
- 6. EXISTING WORK WHICH IS PRESENTLY CONCEALED AND WHICH WILL REMAIN CONCEALED AND DOES NOT INTERFERE WITH ANY NEW WORK OF ANY TRADE NEED NOT BE REMOVED. HOWEVER, ALL CONDUIT SHALL BE CAPPED BELOW FINISH SURFACE AND THEN PATCHED TO MATCH, OR AS NOTED.
- 7. EXISTING OPENINGS, WHICH ARE TO BE REUSED, SHALL BE MODIFIED OR ENLARGED TO SUIT THE NEW SYSTEMS AS REQUIRED. PROVIDE ALL REQUIRED CUTTING AND PATCHING.
- 8. IF ASBESTOS IS PRESENT, IT WILL BE REMOVED OR RENDERED HARMLESS UNDER SEPARATE CONTRACT BY THE OWNER
- 9. THE DIVISION 12 CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING THE EXISTING WALLS TO MATCH THE ADJACENT SURFACES BEHIND ALL SURFACE MOUNTED EQUIPMENT.
- 10. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT VOLTAGES AND LOADS PRIOR TO INSTALLING SERVICE TO EQUIPMENT.
- 11. DRAWINGS ARE BASED ON EXISTING RECORD DOCUMENT AND CASUAL FIELD OBSERVATION. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION.







REVISIONS AJB

APPROVED

T =

UNIVERSITY

SYMBOLS, NOTES, **ABBREV** + DATE

SHEET DESCRIPTION

6/16/11

PROJECT NUMBER 10136.01



D8.30.11

BEVISIONS

DRAWN

AJB PROVED

JFS

LTING ENGINEERS, INC
administrator@matrixceinc.com
Matrix Project No. 10136.00

IVERSITY PAVILION

HEET DESCRIPTION

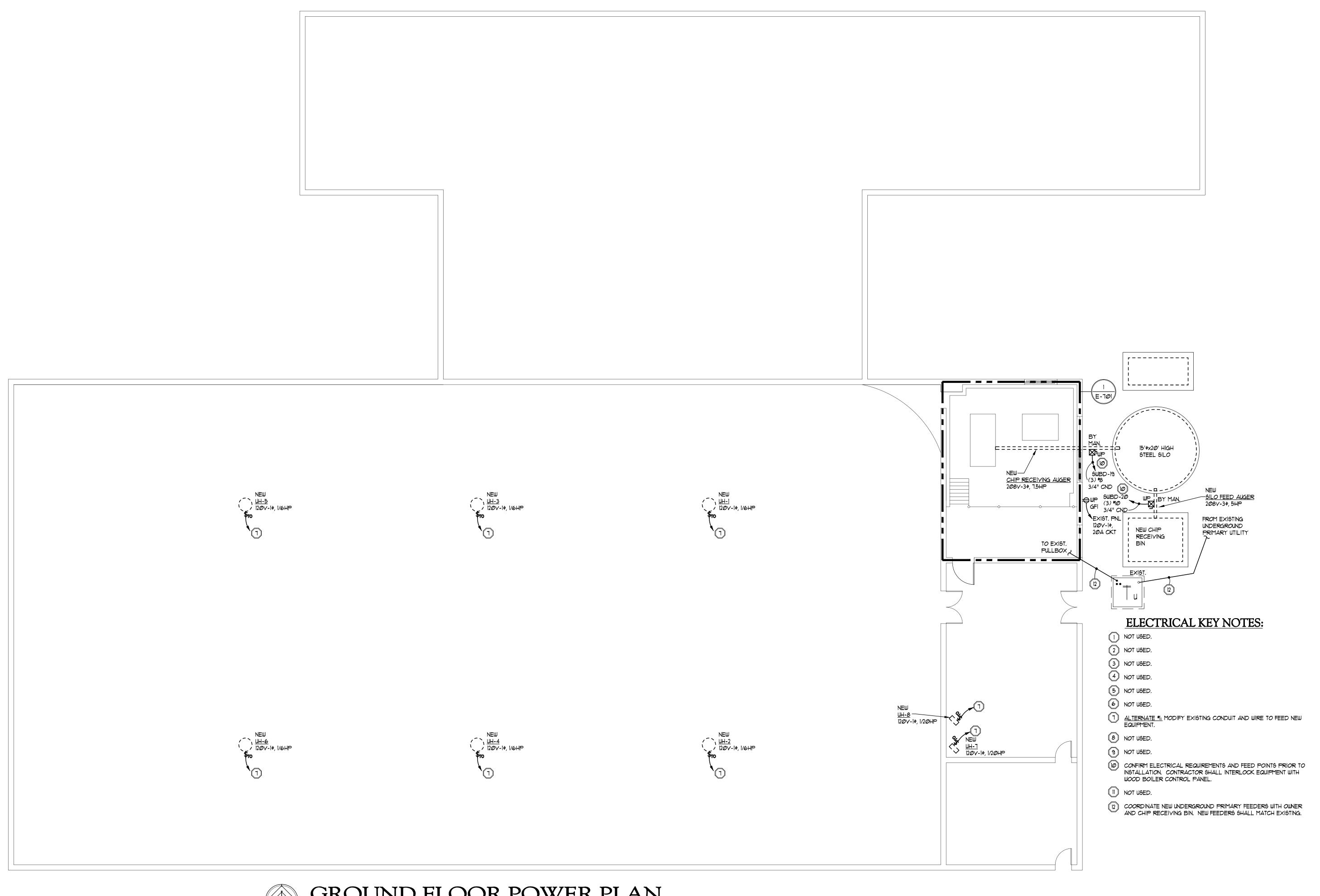
GROUND
FLOOR

GROUND FLOOR DEMOLITION PLAN

6/16/11

10136.01

E-300



GROUND FLOOR POWER PLAN

OI 5 10 20

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

D8:30.11
BEVISION #1

A JB

PROVED

JFS

CONSULTING ENGINEERS, INC

administrator@matrixceinc.com

Matrix Project No. 10136.00

D UNIVERSITY PAVILION

HWAC MODIFICATIONS

ET DESCRIPTION

GROUND

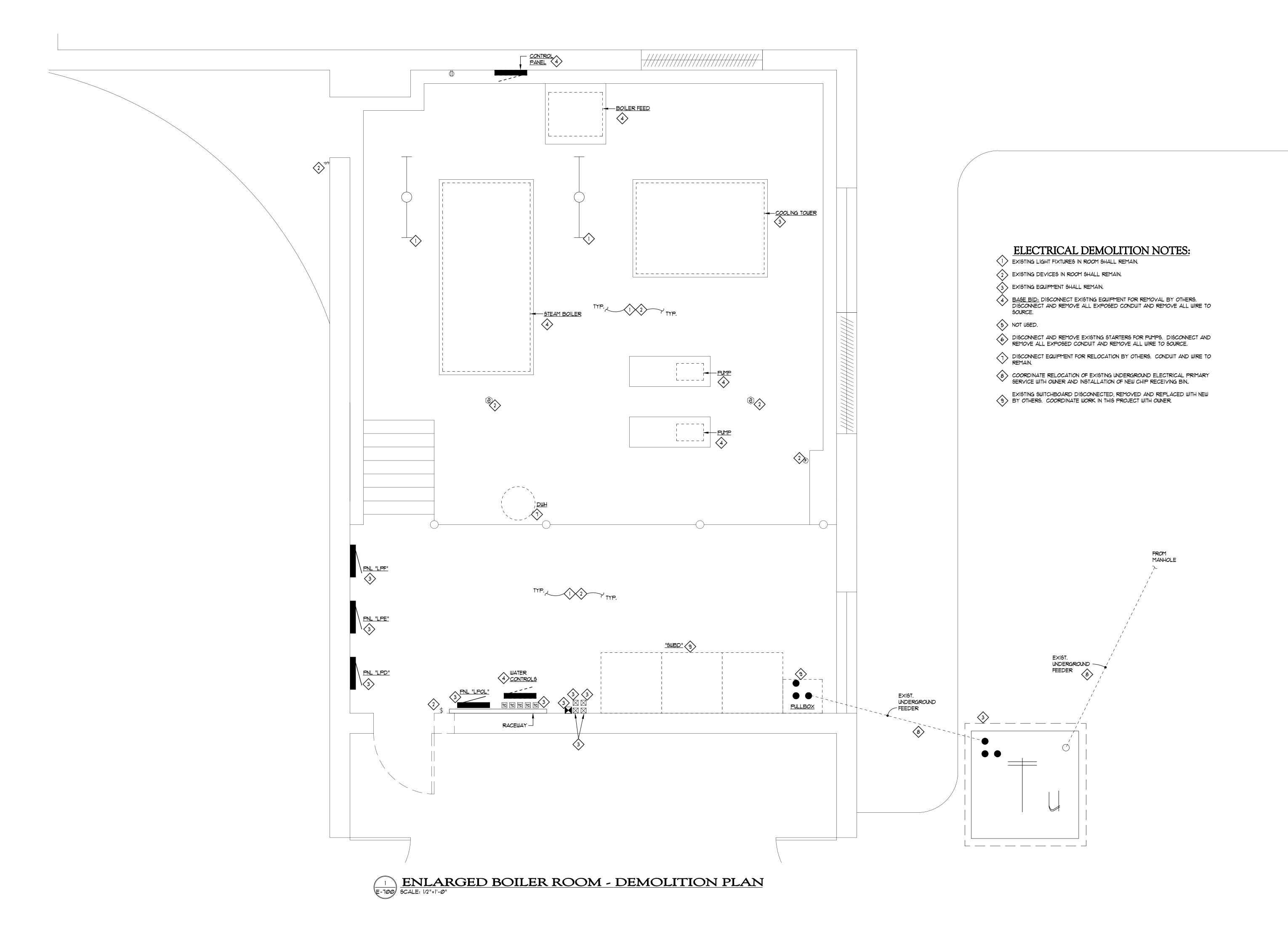
GROUND FLOOR POWER

PLAN E 6/16/11

6/16/11
PROJECT NUMBER

10136.01

E-500

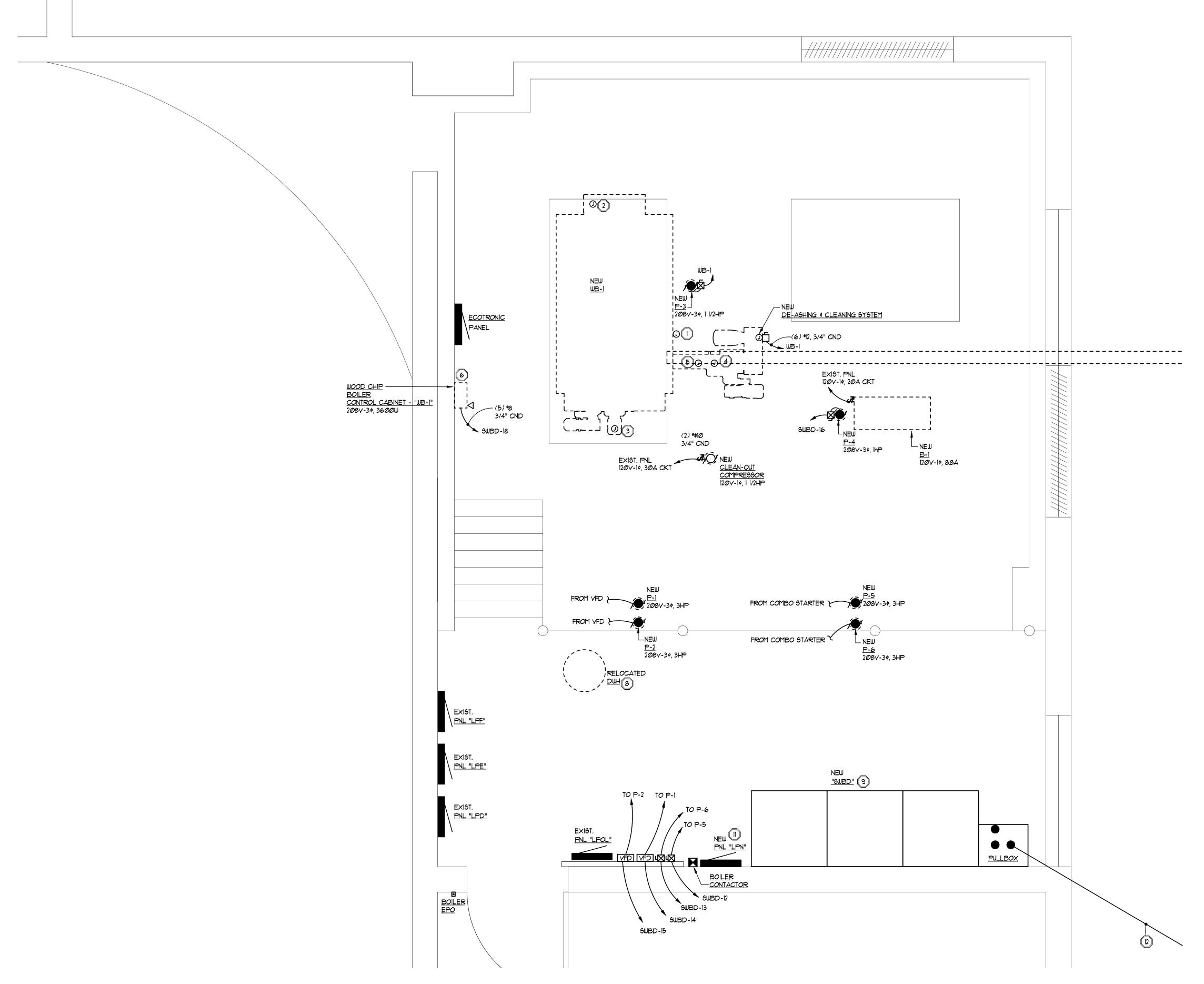


SHEET DESCRIPTION **ENLARGED BOILER RM DEMOLITION**

6/16/11

PLAN

10136.01



ELECTRICAL KEY NOTES:

- ALL CABLE BUSHINGS TO MOTORS AND BOILER EQUIPMENT MUST BE DUST TIGHT AND PROVIDED WITH STRAIN RELIEF.
- 2. COORDINATE LOCATION OF ALL ELECTRICAL CONNECTIONS
- 3. PROVIDE METAL CHANNEL ON TOP OF BOILER AND ON BOILER CASING TO FEED WIRE FROM CABINET TO MISCELLANEOUS FEED POINTS ON BOILER. REFER TO GENERAL SAFETY INSTRUCTIONS.
- AUTOMATIC IGNITION DEVICE: PROVIDE (3) #12 TO WOOD CHIP BOILER CONTROL PANEL.
- 2 SPEED CONTROLLED EXHAUST FAN (FLUE GAS FAN): PROVIDE (4) #12 TO WOOD CHIP BOILER CONTROL PANEL.
- 3 ARTICULATED HEAD FAN (ROTATION FAN): PROVIDE (2) *12 TO WOOD CHIP BOILER CONTROL PANEL.
- 4) SILO FEED AUGER: PROVIDE (6) #12 TO WOOD CHIP BOILER CONTROL PANEL.
- MOVING GRATE: PROVIDE (6) #12 TO WOOD CHIP BOILER CONTROL PANEL.
- 6 CONTRACTOR RESPONSIBLE FOR FOLLOWING CONNECTIONS:
 DATA TRANSMISSION LINE (10M PROVIDED WITH PANEL) FROM CONTROL CABINET TO ECOTRONIC PANEL.
- SENSORS AND SWITCHES TO CONTROL CABINET.INFRARED LIGHT BARRIERS FOR LEVEL MONITORING.
- ZIRSONIUM DIOXIDE SENSOR. PT-100 EXHAUST GAS SENSOR.
- TEMPERATURE LIMITING SAFETY SWITCH. KTY SENSOR AND SENSOR SHELL. CHIP RECEIVING AUGER
- 7 NOT USED.
- 8 EXTEND EXISTING CONDUIT AND WIRE TO NEW EQUIPMENT LOCATION.
- NEW SWITCHBOARD PROVIDED AND INSTALLED BY OTHERS. COORDINATE CONNECTION OF NEW EQUIPMENT WITH OWNER.
- CONFIRM ELECTRICAL REQUIREMENTS AND FEED POINTS PRIOR TO INSTALLATION. CONTRACTOR SHALL INTERLOCK EQUIPMENT WITH WOOD BOILER CONTROL PANEL.
- II) NEW PANEL PROVIDED AND INSTALLED BY OTHERS.
- COORDINATE NEW UNDERGROUND PRIMARY FEEDERS WITH OWNER AND CHIP RECEIVING BIN. NEW FEEDERS SHALL MATCH EXISTING.

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SHEET DESCRIPTION **ENLARGED BOILER**

ROOM

6/16/11

PROJECT NUMBER 10136.01

ENLARGED BOILER ROOM - NEW

SCALE: 1/2"=1'-Ø"