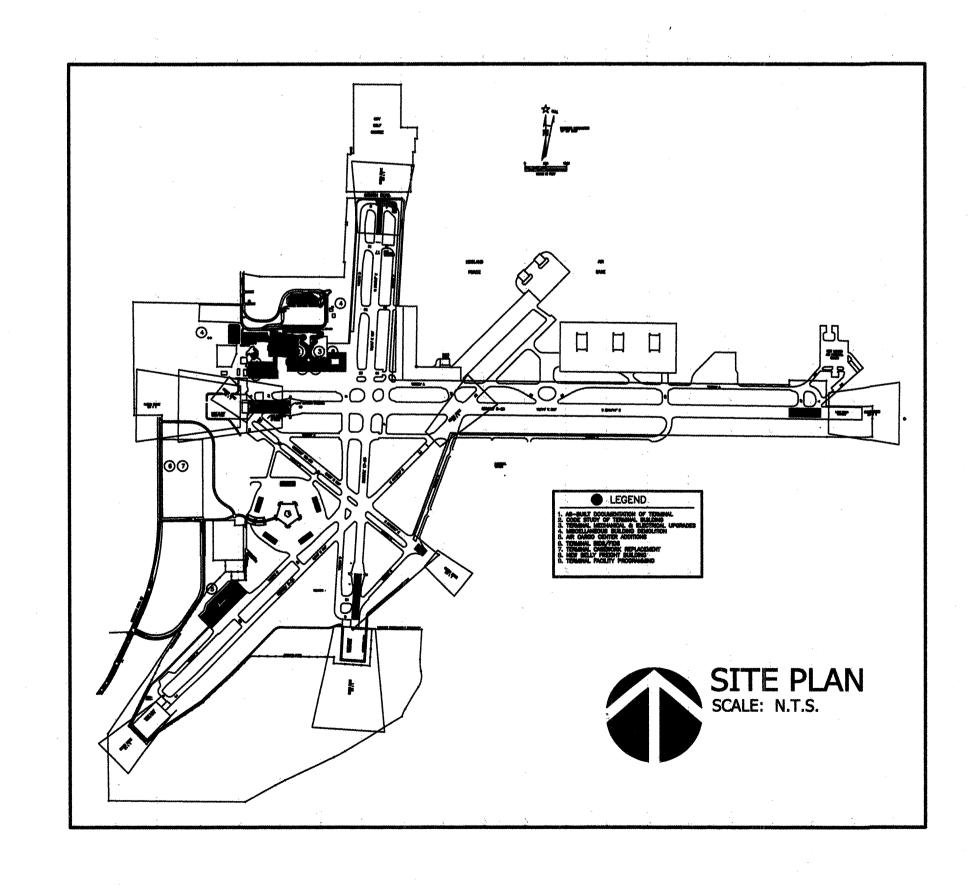
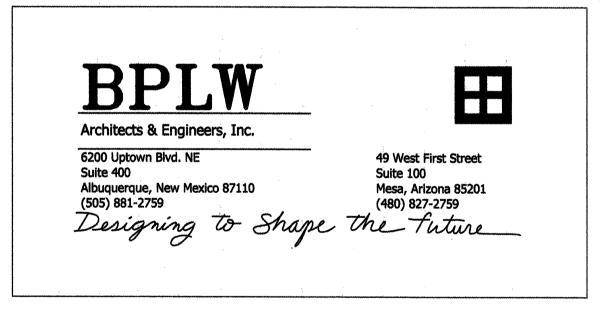


ALBUQUERQUE INTERNATIONAL SUNPORT MECHANICAL - BOILER INSTALLATION

BPLW PROJECT No. A04008 - A05



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LANDFILL PROXIMITY DISCLOSURE STATEMENT

THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES) SHALL BE CONSULATED PRIOR TO DEVELOPMENT OF THE SITE.

ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT DATE

INDEX OF DRAWINGS

GENERAL

1 G0.1 COVER SHEET

MECHANICAL

2 M1.1 BOILER ROOM - DEMOLITION / NEW WORK 3 M2.1 BOILER ROOM SCHEMATIC

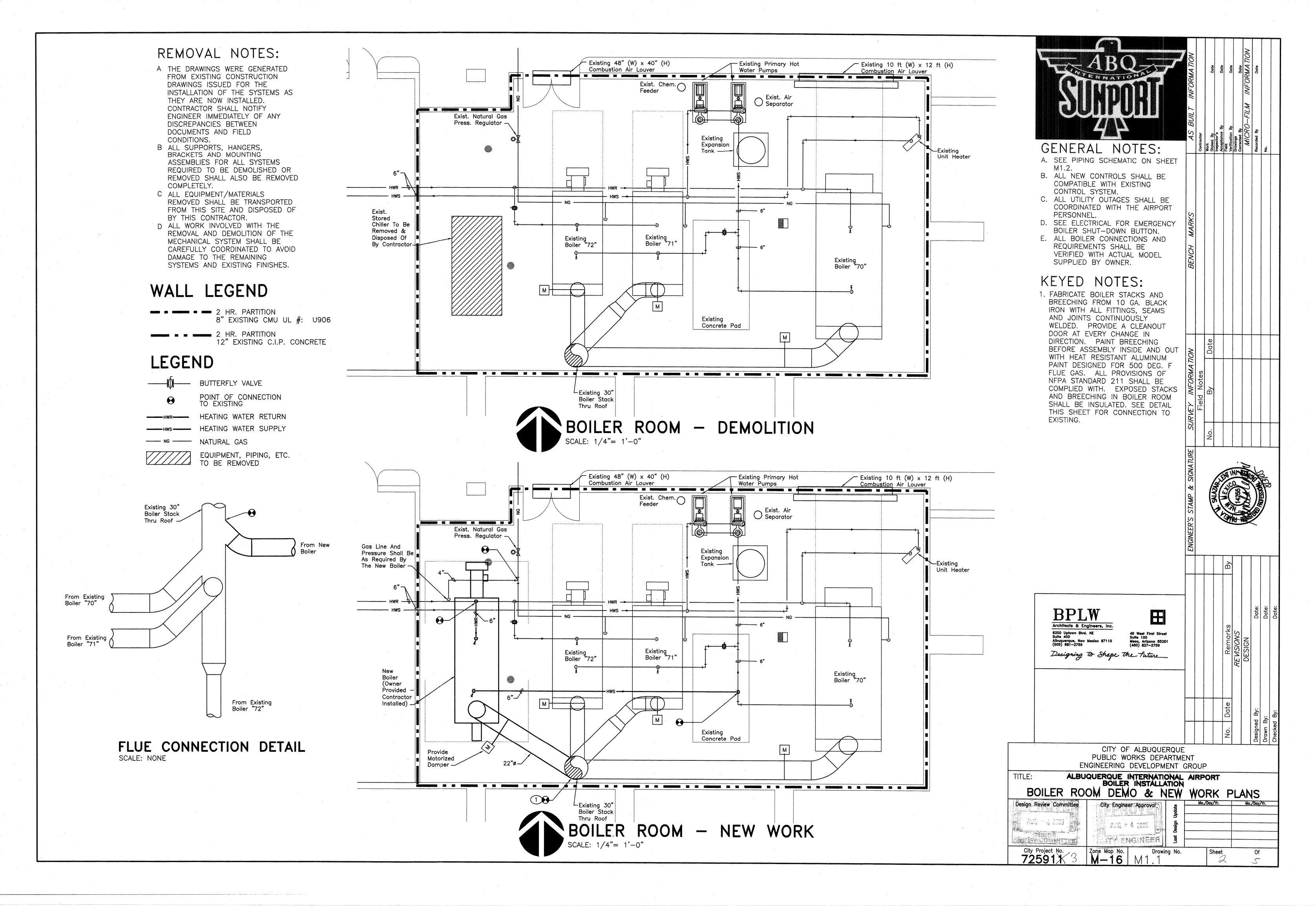
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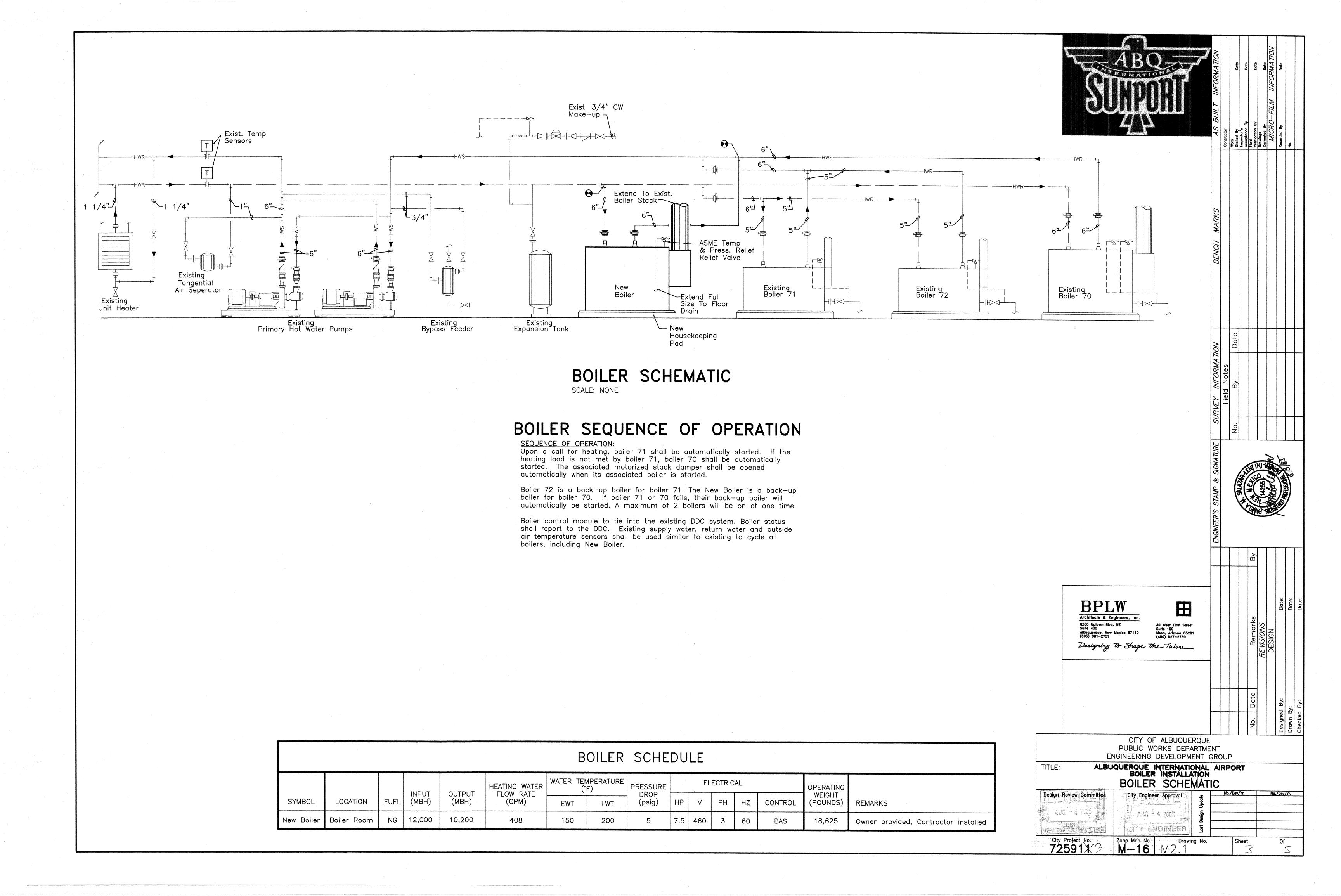
4 E1.1 BOILER ROOM DEMOLITION / NEW WORK PLAN 5 E1.2 PANEL SCHEDULES AND EQUIPMENT ELEVATION

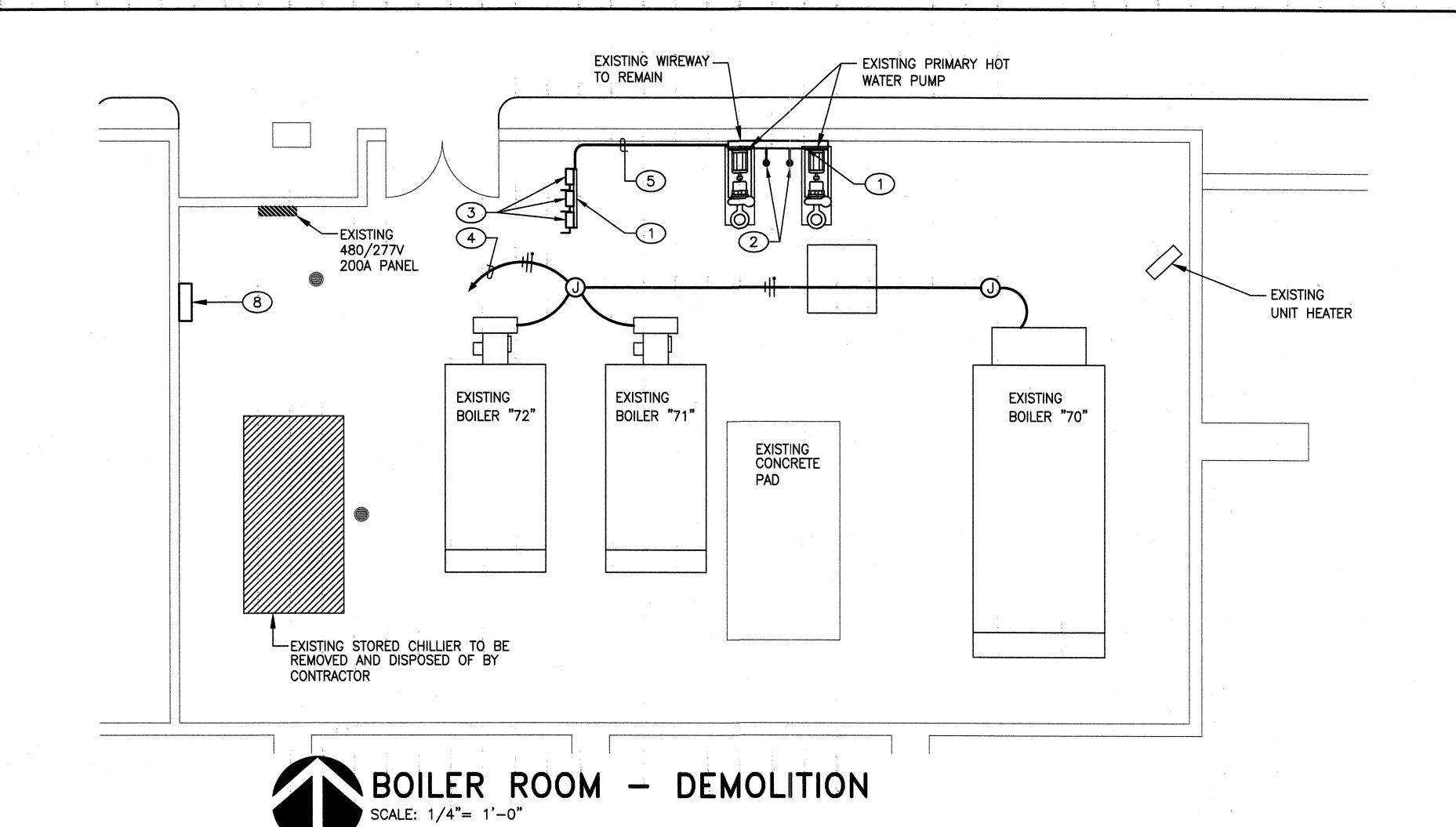
AVIATION DEPARTMENT
Dennis C. Parker

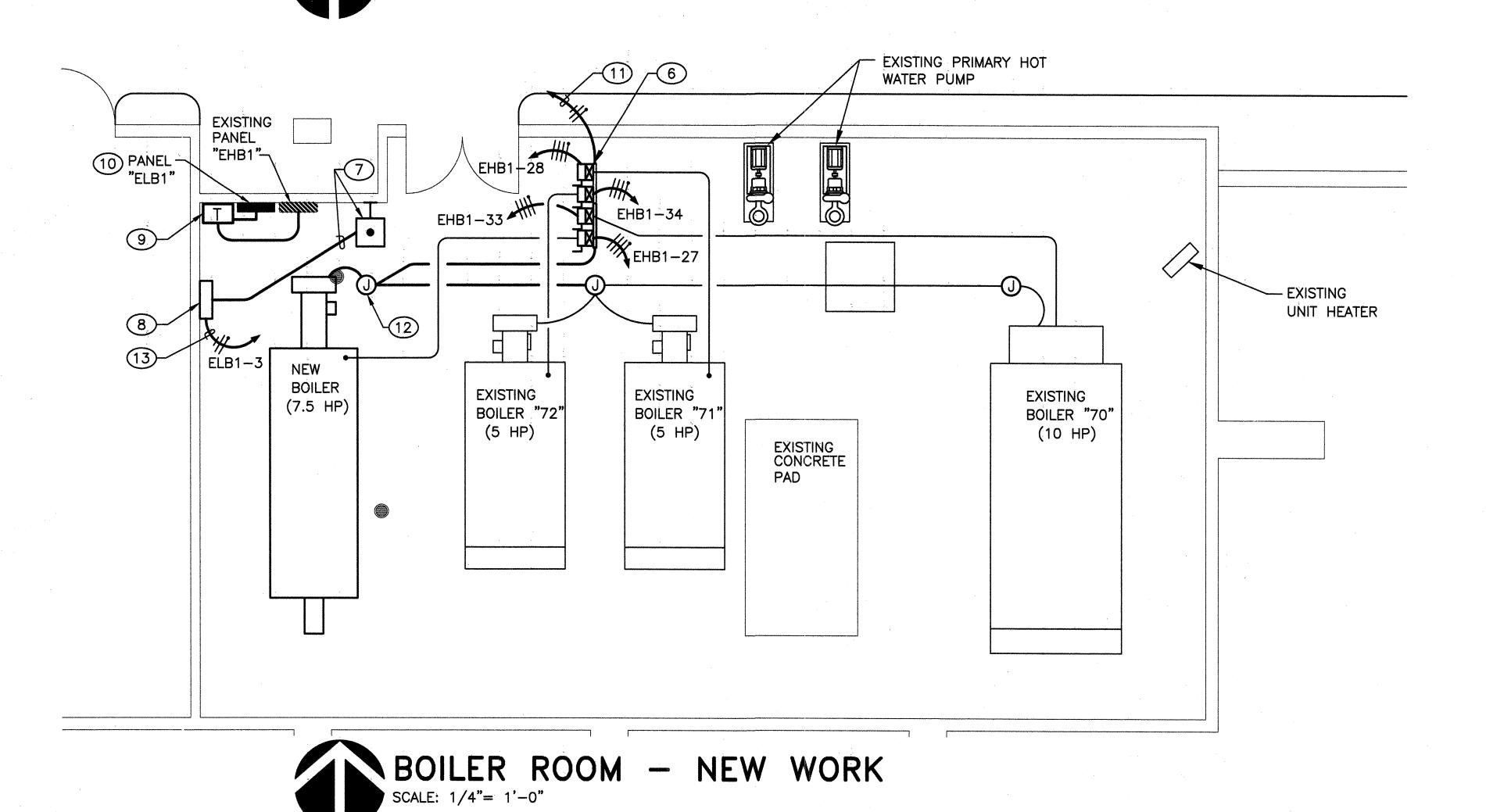
Dennis C. Parker

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KEYED NOTES CONTINUED:

- 9. PROVIDE 15KVA, 480V DELTA-208/120Y DRY TYPE
 TRANSFORMER MOUNTED ON WALL AT 7'-0" AFF TO BOTTOM.
 PROVIDE 15A-3P BREAKER IN 480V PANEL. ROUTE 3-#12 AND
 1-#12 GND IN 1/2" CONDUIT TO PRIMARY OF TRANSFORMER.
 PROVIDE 1-#8 GND IN 1/2" CONDUIT TO NEAREST BUILDING
 STEEL.
- 10. PROVIDE 208/120V PANELBOARD, 100A, 24 CKT, 40A MAIN BREAKER. ROUTE 4-#8 AND 1-#8 GND, 1" CONDUIT TO SECONDARY OF TRANSFORMER.
- 11. 2-#12 AND 1-#12 GND, 1/2" CONDUIT TO 20A-1P BREAKER IN NEW 208/120V PANELBOARD "ELB1".
- 12. PROVIDE J-BOX AND INTERCEPT EXISTING CONTROL CIRCUITS TO EXISTING BOILERS, PICK UP CONTROL CIRCUIT TO NEW BOILER AND ROUTE CONTROL CIRCUIT IN 1." CONDUIT TO EXISTING WIREWAY. ROUTE CONTROL CABLES TO COM. STARTER/DISC. 70, 71 & 72 USING EXISTING RACEWAY SYSTEM. ROUTE CONTROL CABLES TO NEW BOILER IN 1/2" CONDUIT.
- 13. INTERCEPT EXISTING 120V POWER CIRCUIT SERVING CONTROL PANEL AND ROUTE TO NEW EMERGENCY PANEL.



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FAMILIARIZE
 HIMSELF WITH THE EXISTING CONDITIONS
 IN ORDER TO ALLOW HIM TO SUBMIT A
 COMPLETE BID FOR REMOVALS WITHIN
 THE SCOPE OF THE DRAWINGS. ANY
 QUESTIONS OR DISCREPANCIES ARISING
 DURING THE BID PERIOD IN REGARD TO
 THE INTENT OF THE DRAWINGS SHALL BE
 BROUGHT UP FOR CLARIFICATION WITH
 THE PROJECT ENGINEER.
- B. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.
- C. ALL CONTROL WIRE SHALL BE RATED FOR 600V.
- D. REFER TO DRAWING E1.2 FOR PANEL SCHEDULE AND EQUIPMENT ELEVATION.
- E. ALL CONUCTORS SHALL BE #12 COPPER IN 1/2" CONDUIT UNLESS INDICATED OTHERWISE.

KEYED NOTES:

- 1. EXISTING WIREWAY TO REMAIN.
- 2. REMOVE TWO (2) 3/4" CONDUITS BACK TO WIREWAY. REMOVE CONDUCTORS BACK TO "MCC1" LOCATED IN POWER CENTER 6 (SERVING PUMP 11 AND PUMP 12).
- 3. REMOVE THREE (3) 600V, 60A/3P DISCONNECT SWITCHES. CONDUIT AND CONDUCTORS TO BOILERS TO REMAIN FOR RE-INSTALLATION.
- 4. REMOVE 120V CONTROL CIRCUIT (CONDUIT AND WIRE) BACK TO "MCC1". JUNCTION BOXES AND CONDUIT TO BOILER CONTROLLERS TO REMAIN FOR CONNECTION TO NEW EMERGENCY PANEL.
- 5. REMOVE 1 1/2' CONDUIT AND CONDUCTORS BACK TO WIREWAY. REMOVE CONDUCTORS TO "MCC1" (SERVING BOILERS 70, 71 AND 72).
- 6. REFER TO ELEVATION ON SHEET E1.2 FOI DESCRIPTION OF EQUIPMENT.
- 7. PROVIDE RED, MUSHROOM HEAD TYPE, PUSH-BUTTON FOR EMERGENCY SHUTDOWN OF ALL BOILERS. ROUTE 1/2' CONDUIT WITH CONTROL WIRES TO DX-9100 CONTROLLER AS INDICATED.
- 8. EXISTING METASYS DX-9100 CONTROLLER.

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Architects & Engineers, Inc.

6200 Uptown Blvd. NE
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(505) 881-2759

Albuquerque, New Mexico 87110

Sulte Mesa, (480)

(505) 881-2750 (480) 827-2759

Designing to Shape the future

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TLE: ALBUQUERQUE INTERNATIONAL AIRPORT
BOILER INSTALLATION

BOILER INSTALLATION
BOILER INSTALLATION
WORK PLAN
Design Review Committee City Engineer Approval & Mo./Day/Yr. Mo./Day

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Aug 4 2085

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Sign

City Project No.

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E1.1

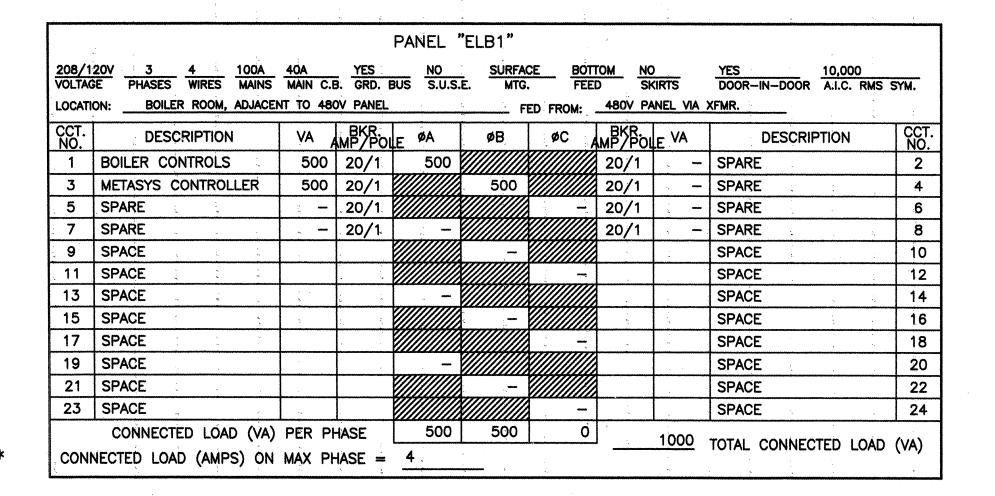
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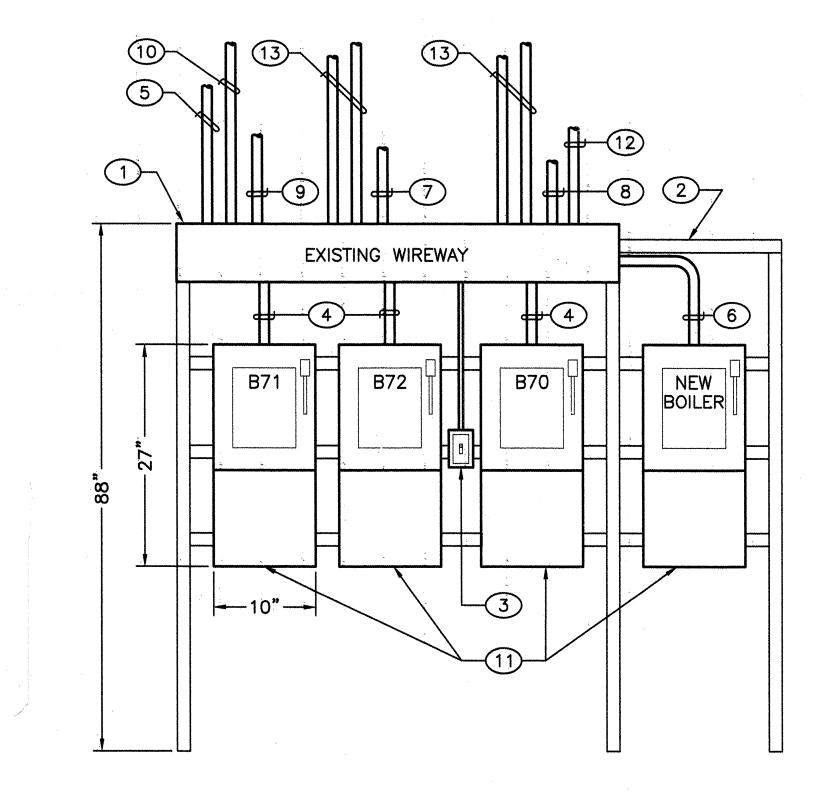
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29		3047	3P_	<i>YIIIIIIII</i>		5152	3P	2105	d c	30
31		3878	25	5983			15	2105	<u>*</u>	3
33	BOILER #70	3878			5983			2105	BOILER #72	3
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39	PANEL "ELB1"	500			500		=	-	SPACE	4
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* PROVIDE NEW BREAKER

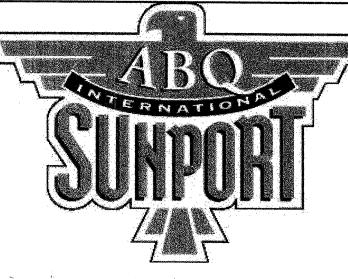




EQUIPMENT RACK ELEVATION SCALE: NONE

KEYED NOTES CONTINUED:

- 11. 600V, 3 PHASE, COMBINATION STARTER/ DISCONNECT SWITCH IN NEMA 1 ENCLOSURE WITH H-O-A AND GREEN PILOT LIGHT, SIZE 0 STARTER, SOLID STATE OVER LOADS, 120V CONTROLS. ALLEN BRADLEY # 512-BACD-B1H-3-4G-24R.
- 12. 120V CONTROL CIRCUIT TO NEW 208/120V PANEL.
- 13. HOME RUNS TO NEW BREAKERS IN EXISTING PANEL "EHB1".



GENERAL NOTES:

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- B. WHERE NECESSARY, THE CONTRACTOR SHALL REMOVE AND/OR RECONNECT CIRCUIT RUNS TO MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUIT.
- C. ALL CONTROL WIRE SHALL BE RATED FOR 600V.
- D. REFER TO DRAWING E1.1 FOR BOILER ROOM PLANS.

KEYED NOTES:

- 1. EXISTING WIREWAY TO REMAIN. PROVIDE WARNING LABEL INDICATING: 'WARNING ALL 120 VAC POWER IS SUPPLIED FROM AN EXTERNAL SOURCE'.
- 2. EXTEND EXISTING UNISTRUT RACK TO ACCOMMODATE NEW STARTER/DISCONNECT SWITCHES.
- 3. EXISTING SWITCH TO REMAIN.
- 4. PROVIDE 1" CONDUIT FROM STARTER/DISCONNECT TO WIRE WAY. EXTEND 3-#12 AND 1-#12 GND TO EXISTING BOILERS. ROUTE CONTROL WIRING FROM STARTERS TO EXISTING CONTROLLER ON WEST WALL.
- 5. PROVIDE 1" CONDUIT TO EXISTING METASYS DX—9100 CONTROLLER FOR ROUTING OF CONTROL WIRING.
- 6. 3-#12 AND 1-#12 GND, AND CONTROL WIRING IN 1" CONDUIT.
- 7. EXISTING CONDUIT AND CONDUCTORS TO BOILER #71 AND #72.
- 8. EXISTING CONDUIT AND CONDUCTORS TO BOILER #70.
- 9. 3-#12 AND 1-#12 GND, AND 3/4" CONDUIT TO NEW BOILER.
- 10. 1" CONDUIT WITH CONTROL WIRING TO BOILERS. (SEE NOTE 17).

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Date Date

BPLW Architects & Engineers, Inc. 8200 Uptown Blvd. NE Sulte 400 Albuquerque, New Mexico 87110 (505) 881-2759 Designing to Shape	49 West First Street Suite 100 Mesa, Arizona 85201 (480) 827-2759 The future			Remarks	REVISIONS	DESIGN	Date:	Date:	
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ALBUQUERQUE INTERNATIONAL AIRPORT
BOILER INSTALLATION
DANIEL SCHEDULE AND FOLLOWERIT F

Design Review Committee	City Engineer Approval		Mo./D			Mo./Day/Yr.
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