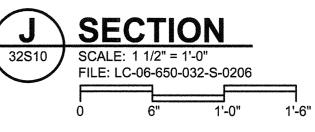




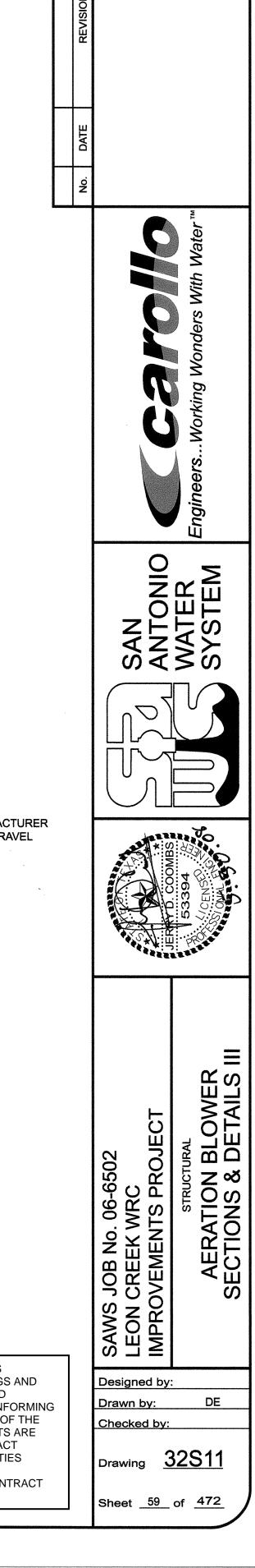
<u>Note:</u>

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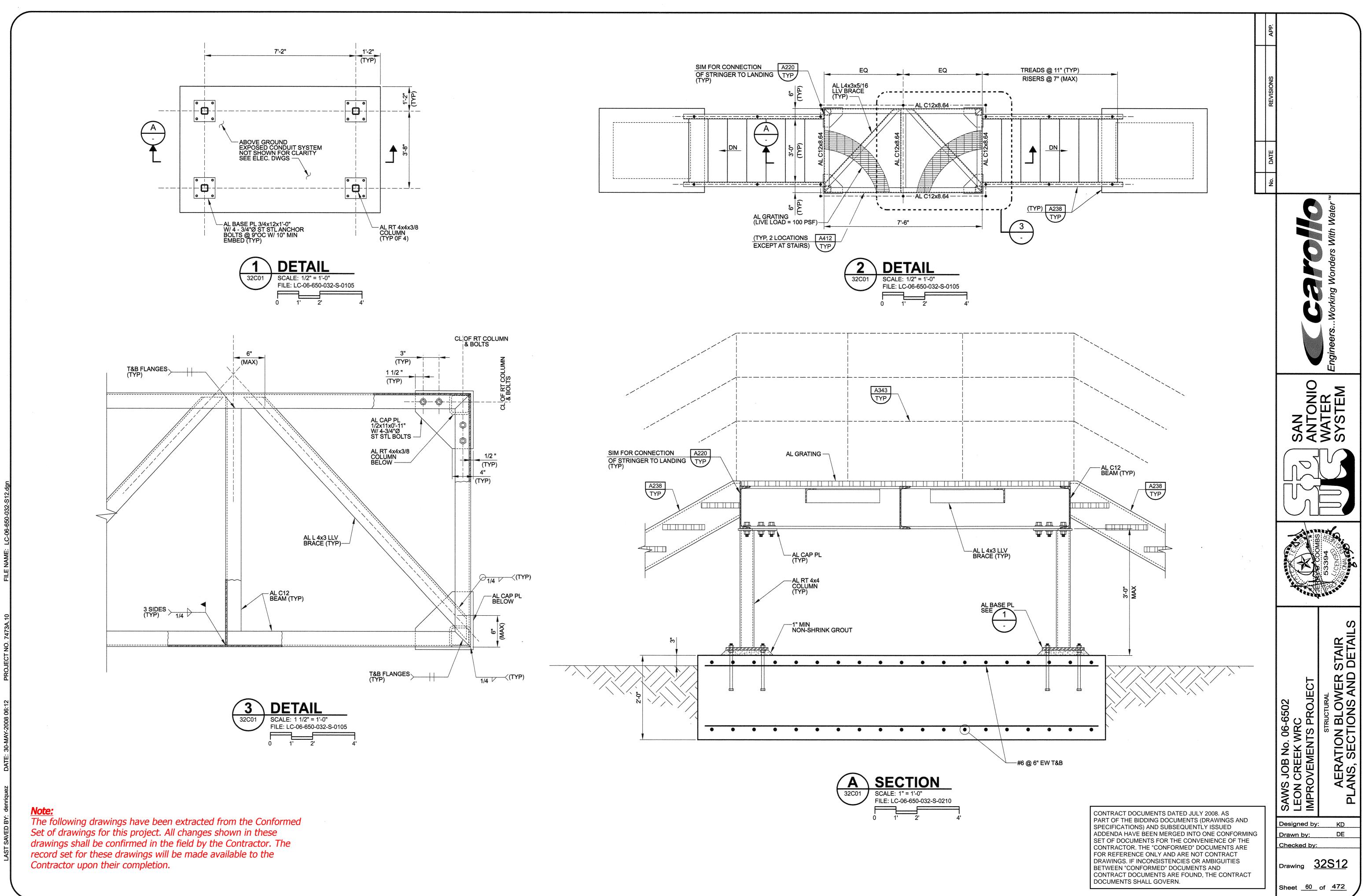


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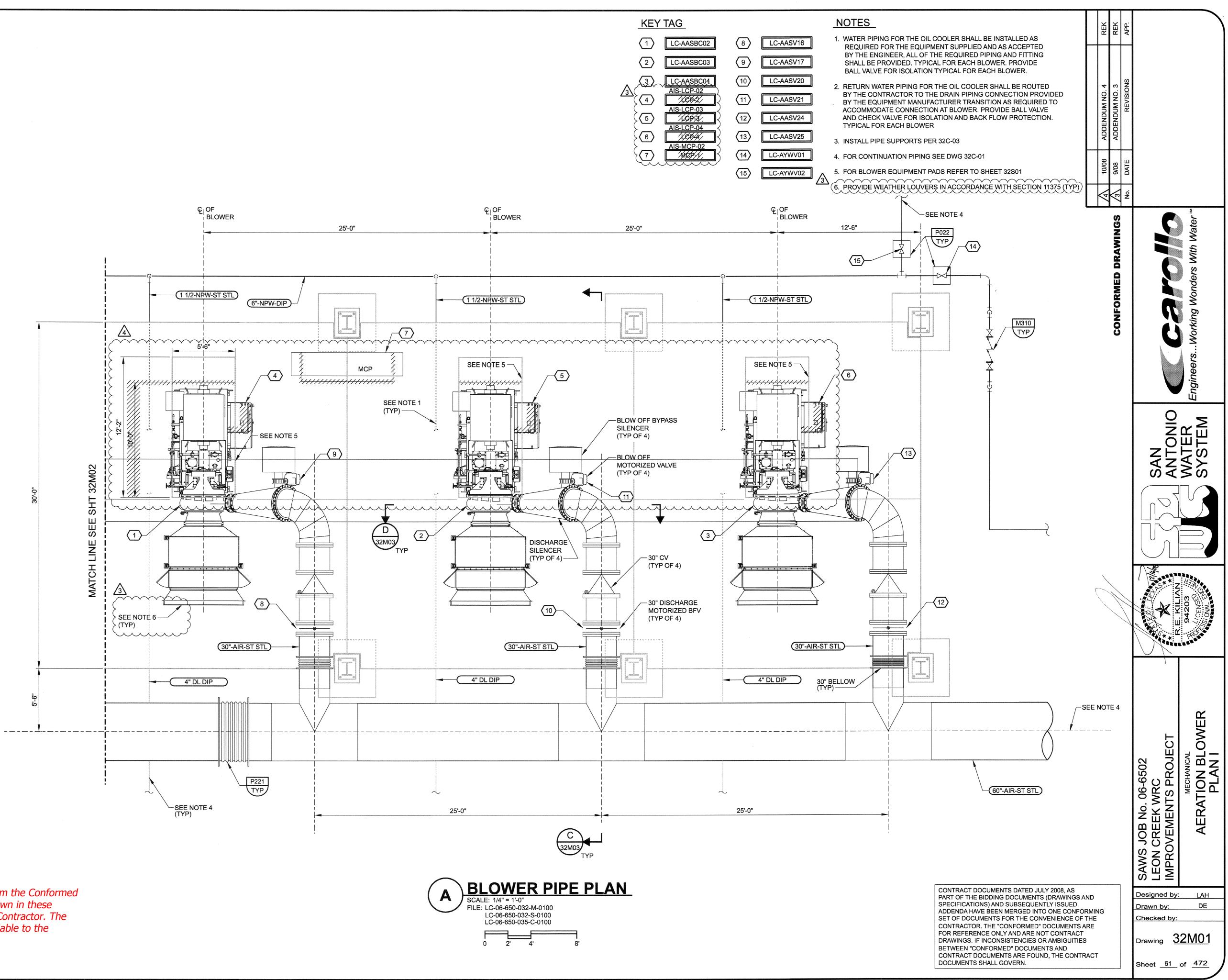
- 1. FOR STRUCTURAL NOTES SEE DWG NO. 00G05
- COORDINATE DIMENSION WITH CRANE MANUFACTURER TO PROVIDE THE REQUIRED HOISTING HOOK TRAVEL 2.



CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

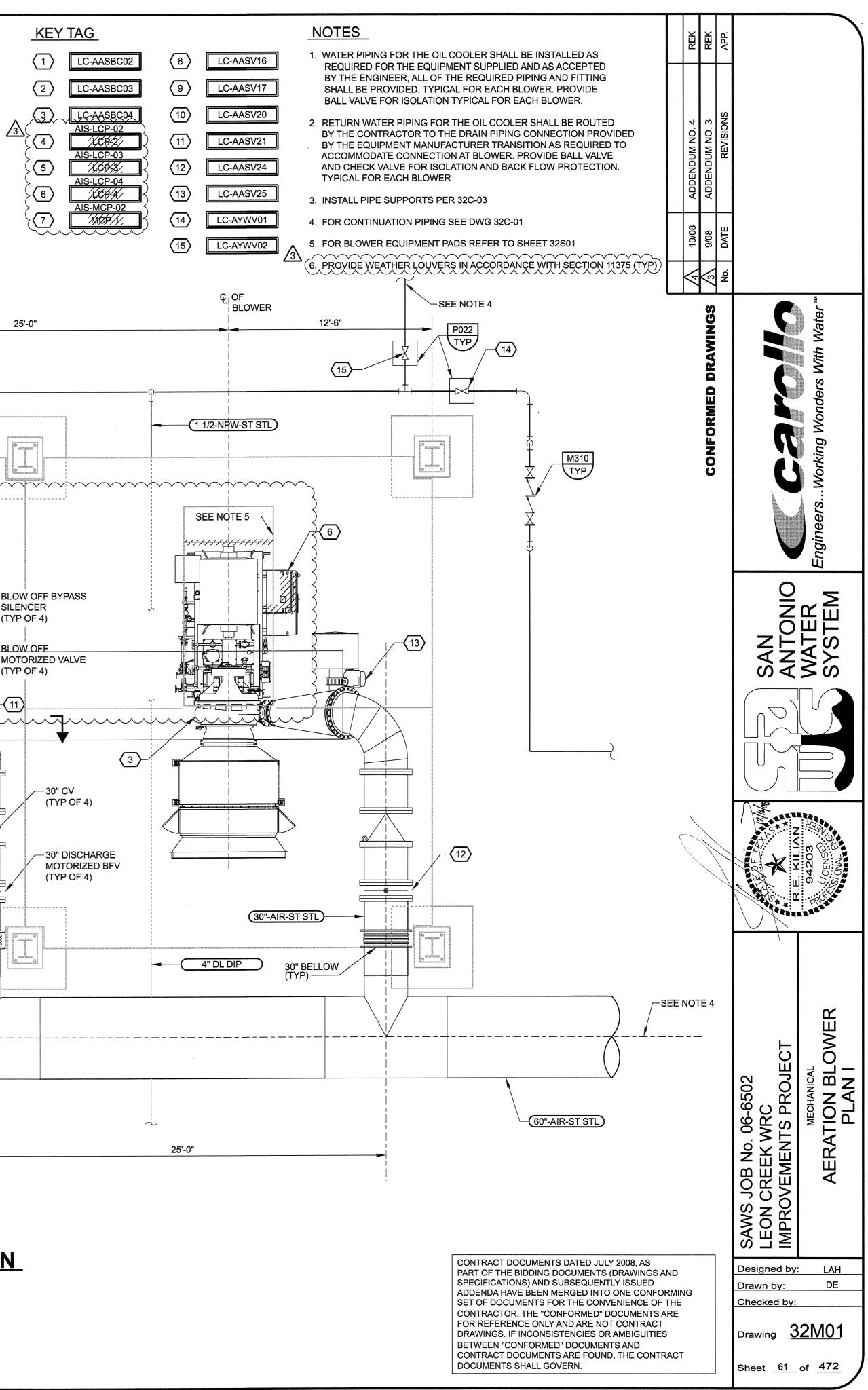






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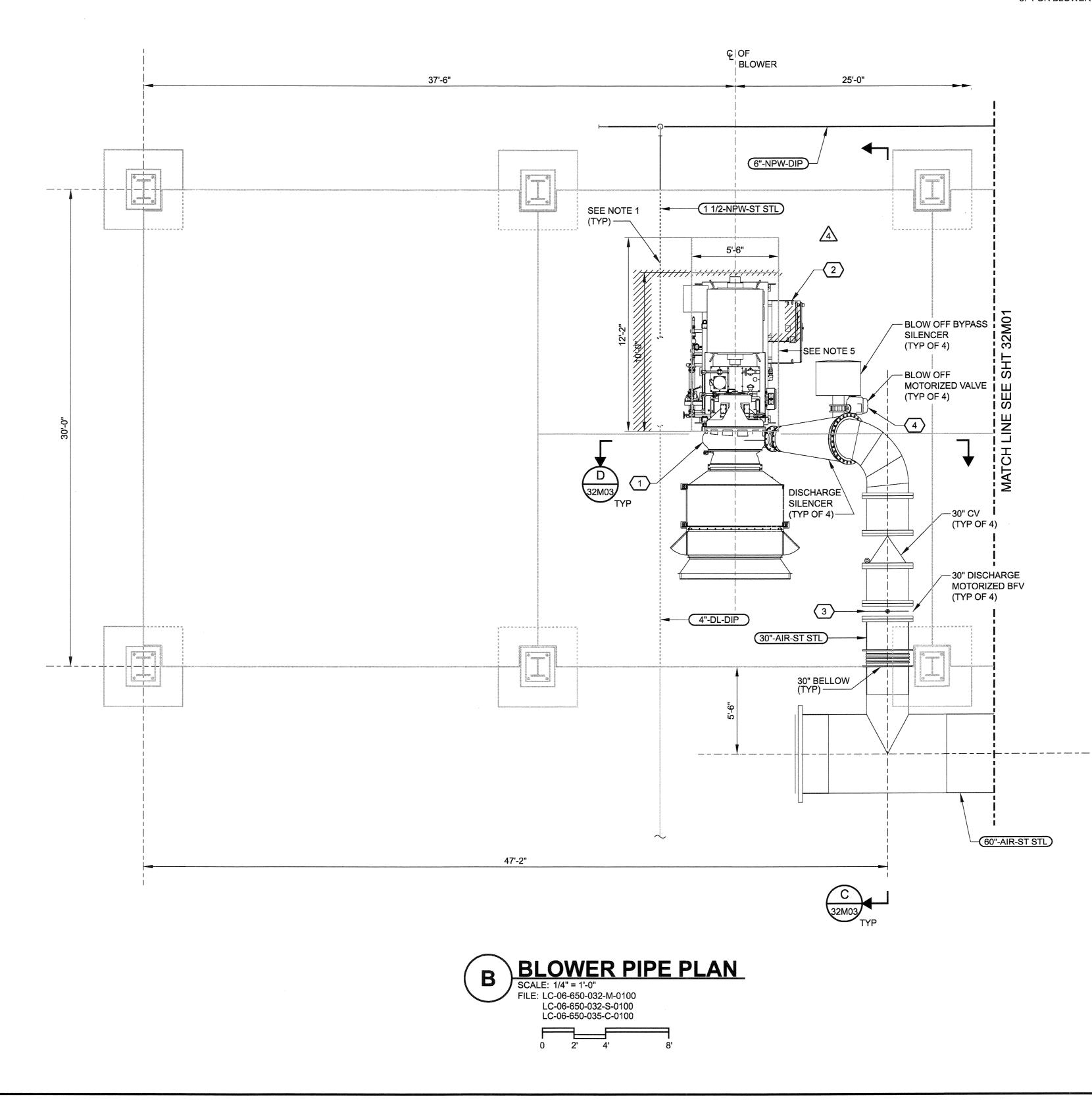
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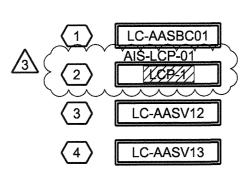




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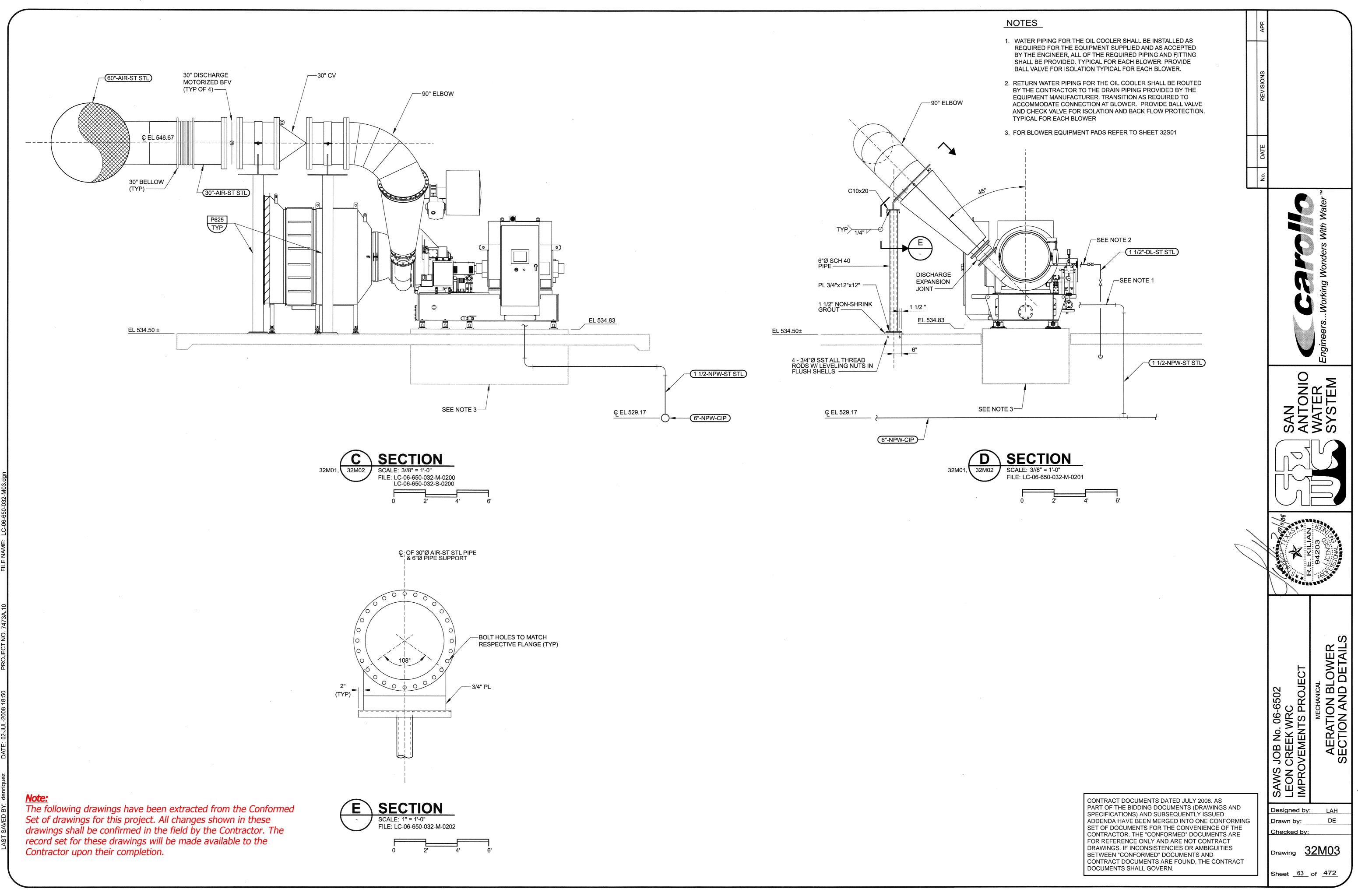


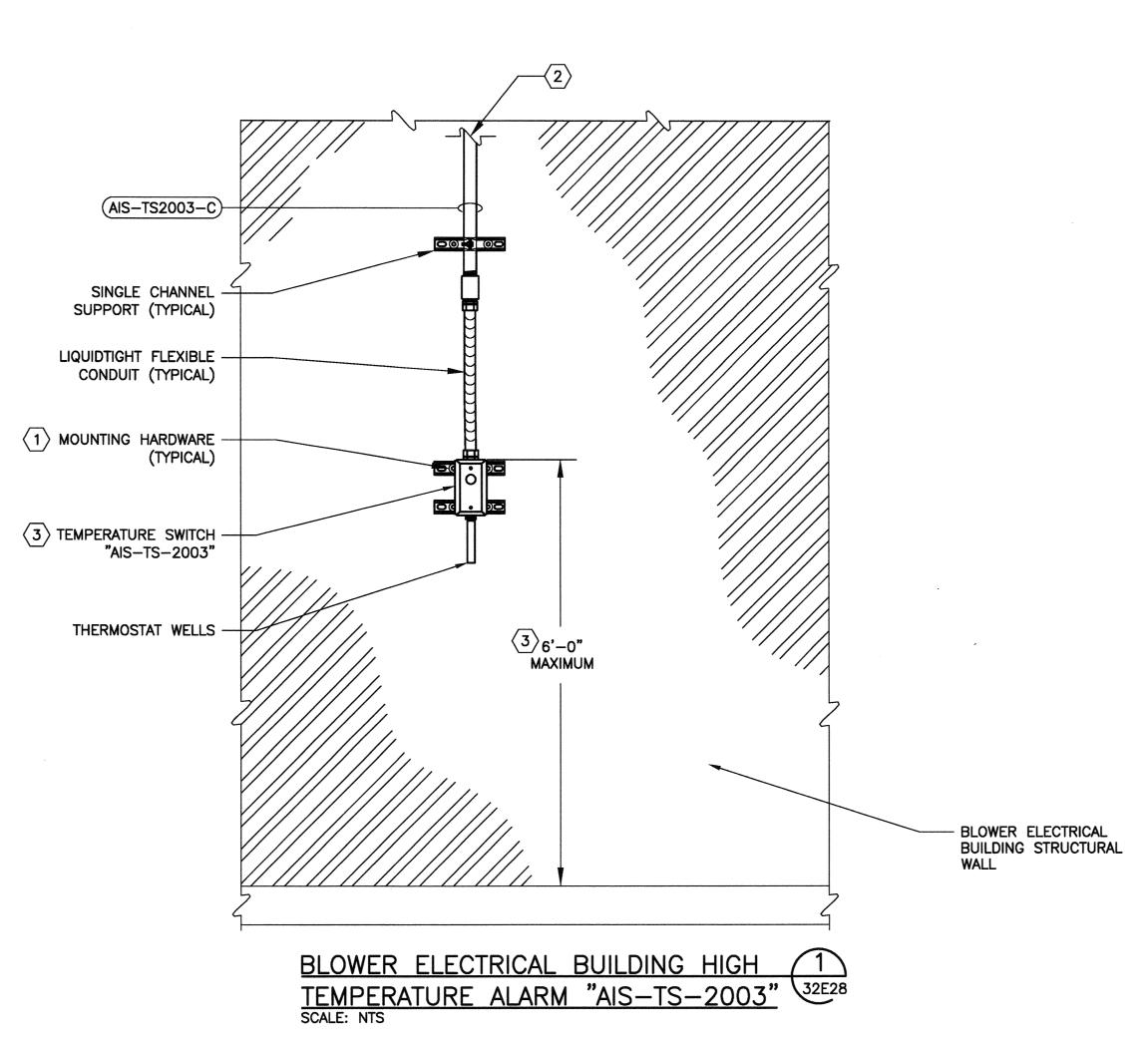
NOTES

- 1. WATER PIPING FOR THE OIL COOLER SHALL BE INSTALLED AS REQUIRED FOR THE EQUIPMENT SUPPLIED AND AS ACCEPTED BY THE ENGINEER, ALL OF THE REQUIRED PIPING AND FITTING SHALL BE PROVIDED. TYPICAL FOR EACH BLOWER. PROVIDE BALL VAVLE FOR ISOLATION. TYPICAL FOR EACH BLOWER.
- 2. RETURN WATER PIPING FOR THE OIL COOLER SHALL BE ROUTED BY THE CONTRACTOR TO THE DRAIN PIPING CONNECTION PROVIDED BY THE EQUIPMENT MANUFACTURER. TRANSITION AS REQUIRED TO ACCOMMODATE CONNECTION AT BLOWER. PROVIDE BALL VALVE AND CHECK VALVE FOR ISOLATION AND BACK FLOW PROTECTION. TYPICAL FOR EACH BLOWER
- 3. INSTALL PIPE SUPPORTS PER 32C-03
- 4. FOR CONTINUATION PIPING SEE DWG 32C-01
- 5. FOR BLOWER EQUIPMENT PADS REFER TO SHEET 32S01

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<u>Note:</u>

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KEY NOTES:

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 $\langle \mathbf{3} \rangle$

REFER TO PLANS ON DRAWING NO. 32E28 FOR LOCATION OF TEMPERATURE SWITCH. INSTALL TEMPERATURE SWITCH AT ELEVATION OF 6'-0" MAXIMUM HEIGHT ABOVE FINISHED FLOOR TO THE TOP OF THE TEMPERATURE SWITCH ENCLOSURE.

GENERAL NOTES:

MOUNT PROPOSED INSTRUMENTS TO PROPOSED CONDUIT SUPPORT CHANNEL WITH MINIMUM 1/4" HARDWARE.

CONDUIT CONTINUES TO/FROM PULLBOX "AIS-PBOX1-C1". WIRE CONTINUES TO BLOWER MAIN CONTROL PANEL "AIS-MCP-01" VIA PULLBOX "AIS-PBOX1-C1". REFER TO DRAWING NOS. 32E26 AND 32E28 FOR CONTINUATION AND ADDITIONAL INFORMATION.

ALL HARDWARE SHALL BE #316 STAINLESS STEEL UNLESS OTHERWISE NOTED ON THIS DRAWING.

2. PROPOSED ITEMS ARE SHOWN IN DARK LINEWORK. EXISTING ITEMS ARE SHOWN IN LIGHT LINEWORK, UNLESS NOTED OTHERWISE.

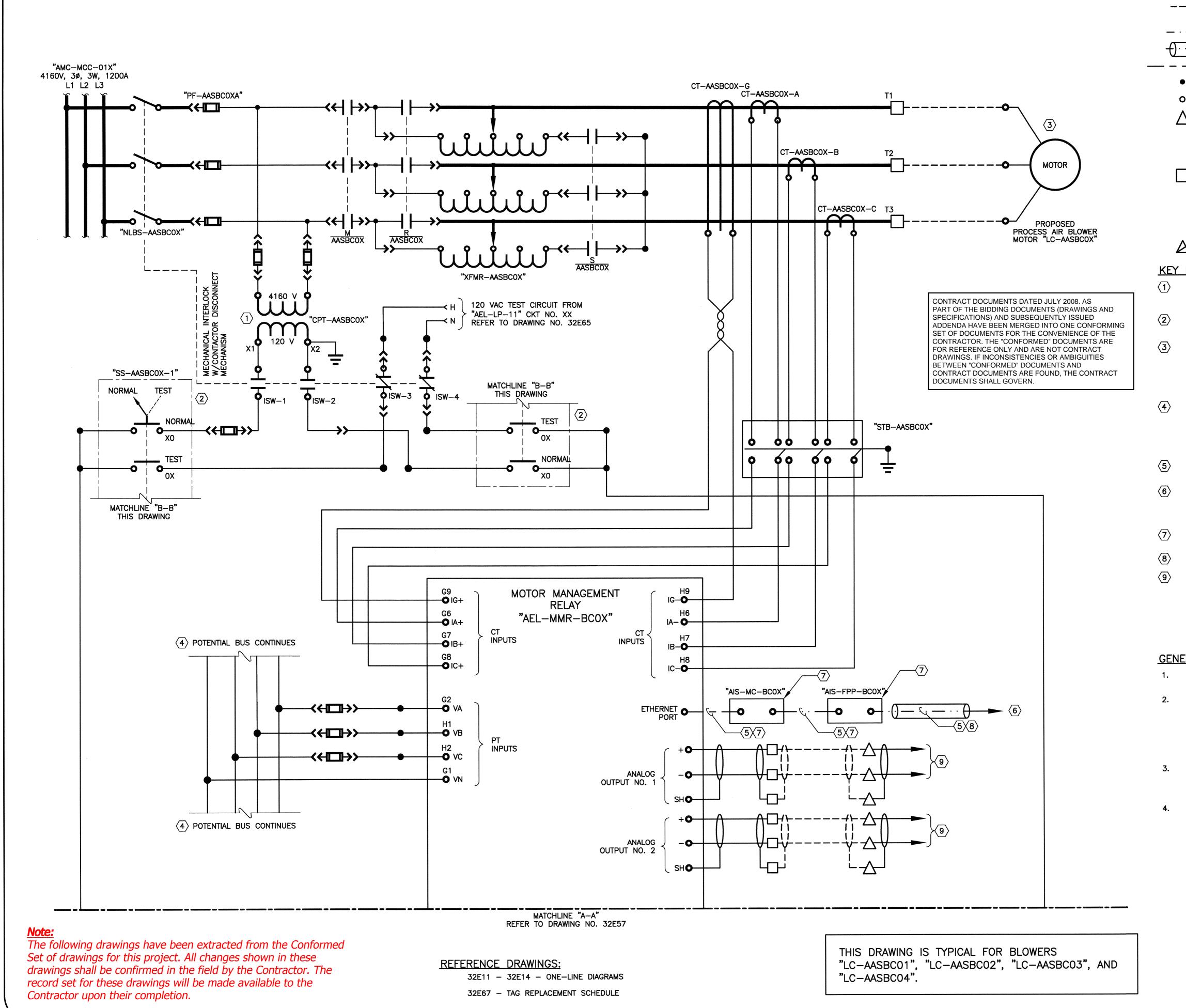
3. NOT ALL ELECTRICAL/MECHANICAL/STRUCTURAL/CIVIL COMPONENTS ARE SHOWN ON THIS DRAWING. REFER TO ELECTRICAL/ MECHANICAL/STRUCTURAL/CIVIL DRAWINGS, AS APPLICABLE, FOR ADDITIONAL INFORMATION.

4. EXACT LOCATIONS OF MECHANICAL/STRUCTURAL/CIVIL COMPONENTS ARE NOT SHOWN ON THIS DRAWING. REFER TO MECHANICAL/ STRUCTURAL/CIVIL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL/STRUCTURAL/CIVIL ITEMS.

REFERENCE DRAWINGS:

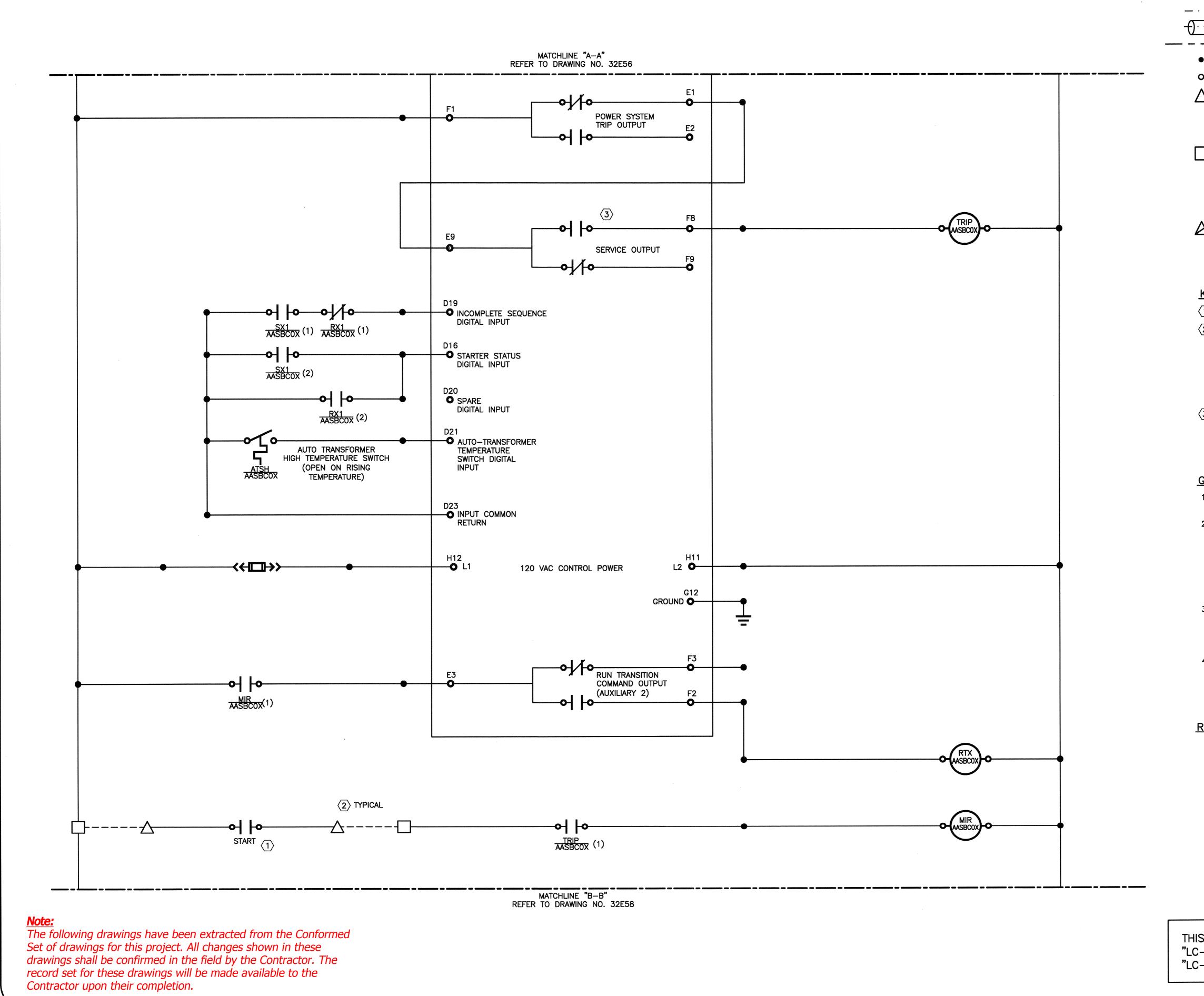
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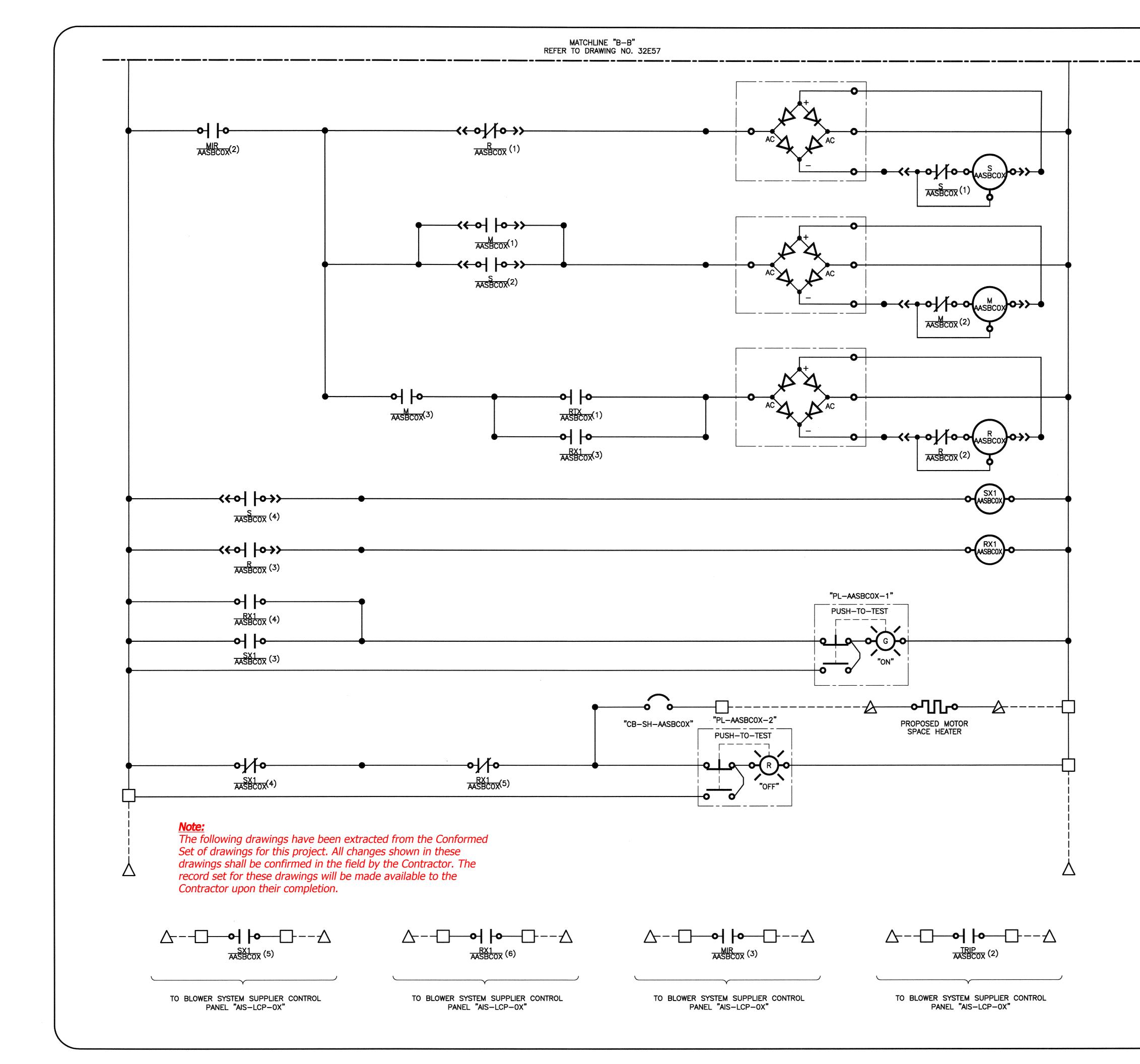


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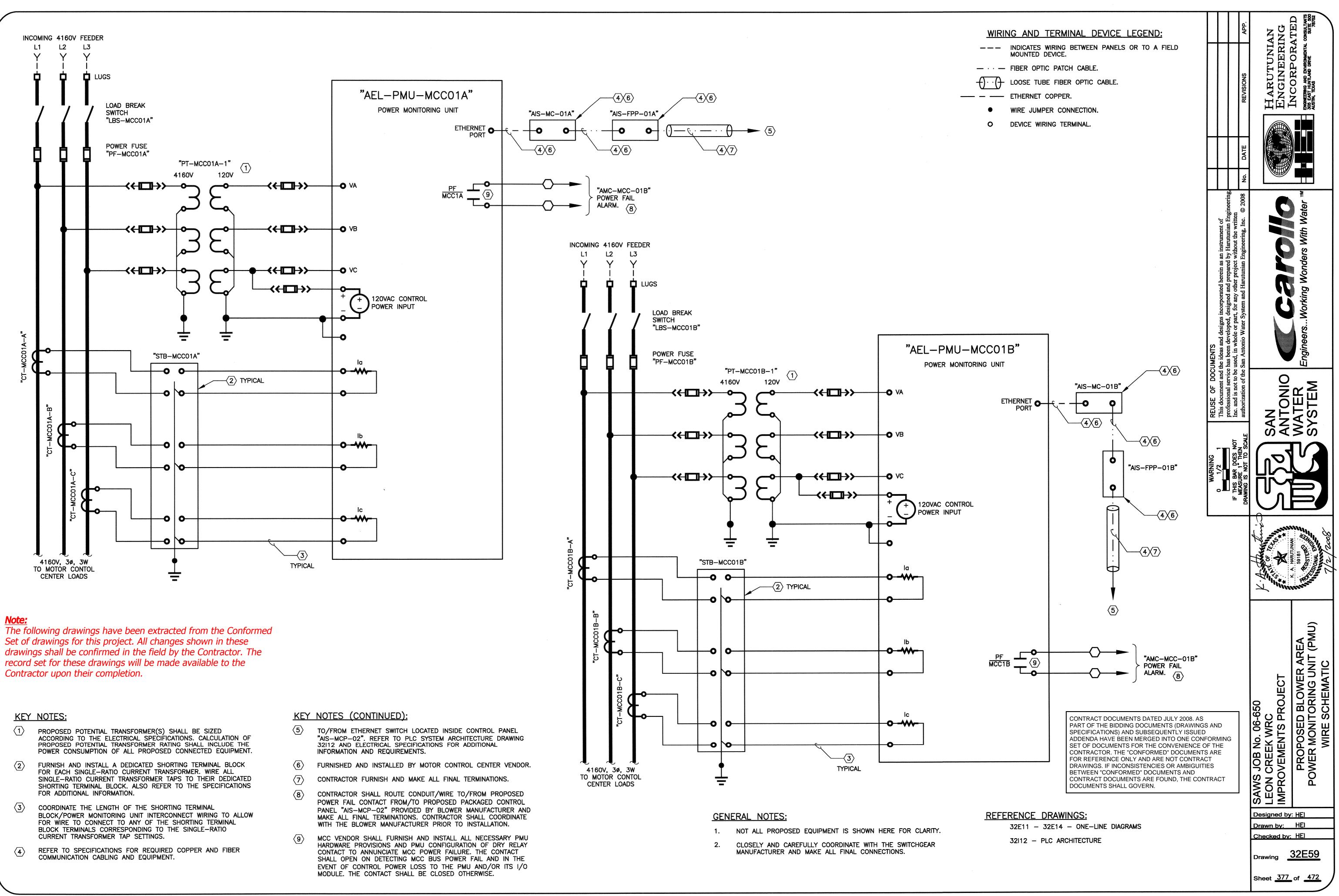
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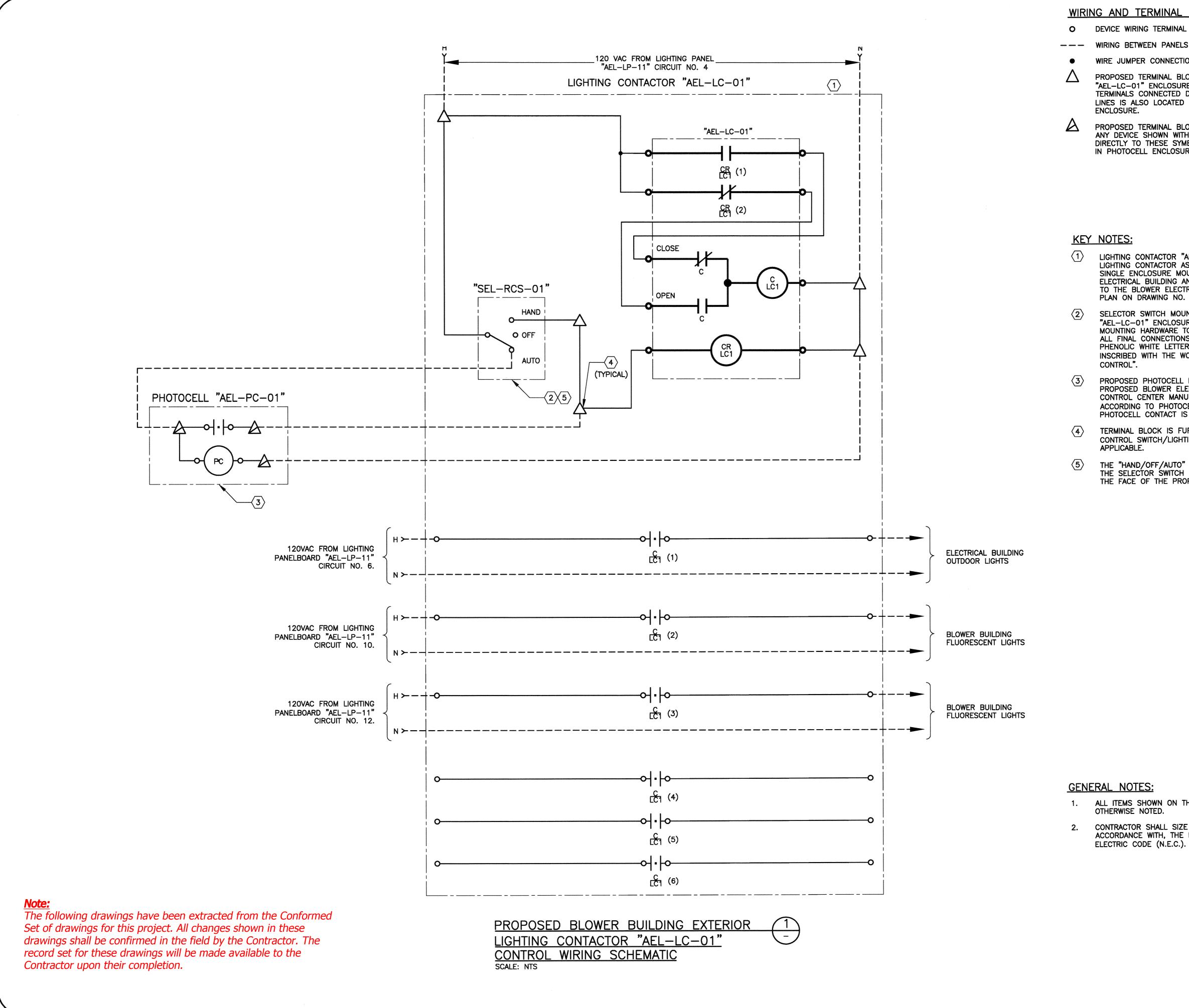


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WIRING AND TERMINAL DEVICE LEGEND:

---- WIRING BETWEEN PANELS OR TO A FIELD MOUNTED DEVICE.

WIRE JUMPER CONNECTION

PROPOSED TERMINAL BLOCK LOCATED IN LIGHTING CONTACTOR "AEL-LC-01" ENCLOSURE. ANY DEVICE SHOWN WITH DEVICE WIRING TERMINALS CONNECTED DIRECTLY TO THESE SYMBOLS WITH SOLID LINES IS ALSO LOCATED IN LIGHTING CONTACTOR "AEL-LC-01"

PROPOSED TERMINAL BLOCK LOCATED IN PHOTOCELL ENCLOSURE. ANY DEVICE SHOWN WITH DEVICE WIRING TERMINALS CONNECTED DIRECTLY TO THESE SYMBOLS WITH SOLID LINES IS ALSO LOCATED IN PHOTOCELL ENCLOSURE.

LIGHTING CONTACTOR "AEL-LC-01". MOUNT ENTIRE PROPOSED LIGHTING CONTACTOR ASSEMBLY WITH ALL ACCESSORIES INSIDE A SINGLE ENCLOSURE MOUNTED INSIDE THE PROPOSED BLOWER ELECTRICAL BUILDING AND MAKE ALL FINAL CONNECTIONS. REFER TO THE BLOWER ELECTRICAL BUILDING EQUIPMENT ARRANGEMENT PLAN ON DRAWING NO. 32E28 FOR LOCATION.

SELECTOR SWITCH MOUNTED ON FACE OF CONTACTOR

"AEL-LC-01" ENCLOSURE. FURNISH AND INSTALL ALL NECESSARY MOUNTING HARDWARE TO INSURE SECURE INSTALLATION AND MAKE ALL FINAL CONNECTIONS. FURNISH AND INSTALL THREE PLY PHENOLIC WHITE LETTERING ON BLACK BACKGROUND NAMEPLATE INSCRIBED WITH THE WORDS "BLOWER BUILDING LIGHTING

PROPOSED PHOTOCELL IS LOCATED ON EXTERIOR OF THE PROPOSED BLOWER ELECTRICAL BUILDING FURNISHED BY MOTOR CONTROL CENTER MANUFACTURER. ORIENT PROPOSED PHOTOCELL ACCORDING TO PHOTOCELL MANUFACTURER'S RECOMMENDATIONS. PHOTOCELL CONTACT IS SHOWN IN DAYLIGHT POSITION.

TERMINAL BLOCK IS FURNISHED AND INSTALLED BY REMOTE CONTROL SWITCH/LIGHTING CONTACTOR ASSEMBLER, AS

THE "HAND/OFF/AUTO" SELECTOR SWITCH NAMEPLATE PROVIDED BY THE SELECTOR SWITCH MANUFACTURER SHALL BE DISPLAYED ON THE FACE OF THE PROPOSED CONTACTOR ENCLOSURE.

ARUTUNIAN IGINEERING CORPORATE HAF Eng Ince an by in as pared oject N N N のくとの C. BUILDING HEMATIC SAWS JOB No. 06-650 LEON CREEK WRC IMPROVEMENTS PROJECT R C) NO RO В SED C Ũ PROPOS LIGHTING Designed by: HEI Drawn by: HEI Checked by: HEI <u>32E60</u>

Drawing

Sheet <u>378</u> of <u>472</u>

ALL ITEMS SHOWN ON THIS DRAWING ARE PROPOSED UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL SIZE ALL ENCLOSURES PER, AND IN ACCORDANCE WITH, THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (N.E.C.).

> CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

Note:

The following drawings have been extracted from the Conformed Set of drawings for this project. All changes shown in these drawings shall be confirmed in the field by the Contractor. The record set for these drawings will be made available to the Contractor upon their completion.

		_	RCUIT BREAKER $1\sqrt{2}$ volts: 208/120 AN				E—"AEL—LP—11 HASE/WIRE: 30, 4W))		
CONDUIT/WIRE DESCRIPTION	CIRCUIT BREAKER SIZE	CKT. NO.	LOAD DESCRIPTIONS	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTIONS	CKT. NO.	CIRCUIT BREAKER SIZE	CONDUIT/WIRE DESCRIPTION
	20 1P	1	ELECTRICAL BUILDING RECEPTACLES				ELECTRICAL BUILDING EMERGENCY LIGHTING	2	20 1P	
	20 1P	3	ELECTRICAL BUILDING INDOOR LIGHTING				ELECTRICAL BUILDING LIGHTING CONTACTOR	4	20 1P	
	20 1P	5	ELECTRICAL BUILDING INDOOR LIGHTING				ELECTRICAL BUILDING OUTDOOR LIGHTING	6	20 1P	
3/4"-6#10(P),1#10(G)	20 1P	7	BLOWER BUILDING HID LIGHTING	720 1395			BLOWER BUILDING RECEPTACLES	8	20 1P	3/4"-2#10(P),1#10(
INCLUDED IN CONDUIT WITH CIRCUIT NO. 7	20 1P	9	BLOWER BUILDING HID LIGHTING		950 1395	_	BLOWER BUILDING FLUORESCENT LIGHTING	10	20 1P	3 /4" -3#10(P),1#10(
INCLUDED IN CONDUIT WITH CIRCUIT NO. 7	20 1P	11	BLOWER BUILDING HID LIGHTING			950 1395	BLOWER BUILDING FLUORESCENT LIGHTING	12	20 1P	INCLUDED IN CONDU WITH CIRCUIT NO. 1
INCLUDED IN CONDUIT WITH CIRCUIT NO. 7	20 1P	13	BLOWER BUILDING HID LIGHTING	 1395	-		BLOWER NO. 1 CONTROL POWER TEST CIRCUIT	14	20 1P	3/4"-2#10(P),1#10(
3/4"-2#10(P),1#10(G)	20 1P	15	BLOWER NO. 2 CONTROL POWER TEST CIRCUIT			-	BLOWER NO. 3 CONTROL POWER TEST CIRCUIT	16	20 1P	3/4"-2#10(P),1#10(
3/4"-2#10(P),1#10(G)	20 1P	17	BLOWER NO. 4 CONTROL POWER TEST CIRCUIT					18		
	20 1P	19	SPARE		-		TRANSIENT VOLTAGE SURGE SUPPRESSOR "AEL-TVSS-14"	20	20 3P	3/4"-3#10(P),1#10(
	20 1P	21	SPARE			_	3	22		
	20 1P	23	SPARE				SPARE	24	20 1P	
	20 1P	25	SPARE		-		SPARE	26	20 1P	
	20 1P	27	SPARE			-	SPARE	28	20 1P	
	20 1P	29	SPACE				SPACE	30	20 1P	
	20 1P	31	SPACE				SPACE	32	20 1P	
	20 1P	33	SPACE				SPACE	34	20 1P	
	20 1P	35	SPACE				SPACE	36	20 1P	
	20 1P	37	SPACE		-		SPACE	38	20 1P	
	20 1P	39	SPACE				SPACE	40	20 1P	
	20 1P	41	SPACE				SPACE	42	20 1P	

<u>KEY</u>	NO	<u> [ES:</u>
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- $\langle 1 \rangle$
- $\langle 2 \rangle$

 $\langle \mathbf{3} \rangle$

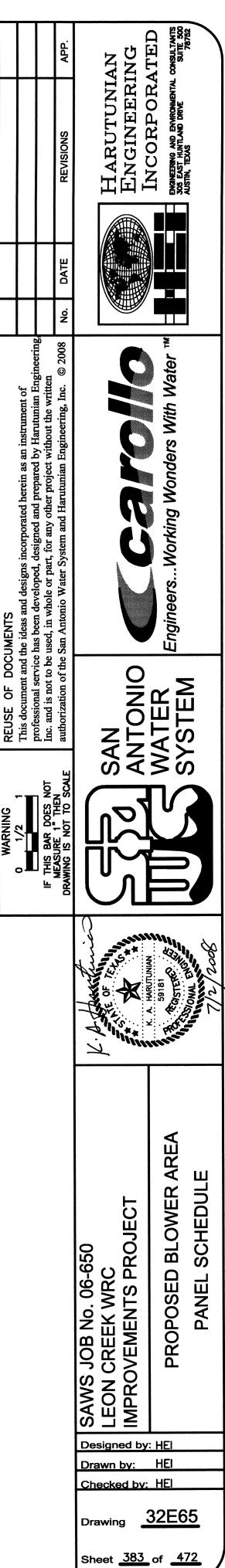
GENERAL NOTES:

- PROPOSED ITEMS ARE SHOWN IN DARK LINEWORK. EXISTING 1. ITEMS ARE SHOWN IN LIGHT LINEWORK, UNLESS NOTED OTHERWISE.
- SHOULD A POWER OUTAGE TO A FACILITY BE REQUIRED. THE 2. CONTRACTOR SHALL REQUEST SUCH AN OUTAGE IN WRITING NO LESS THAN TWO WEEKS IN ADVANCE. CONTRACTOR'S WRITTEN REQUEST SHALL IDENTIFY THE DESIRED DATE, TIME, DURATION, AND PURPOSE OF THE REQUESTED DAY UNLESS HE/SHE OBTAINS A WRITTEN APPROVAL FROM THE OWNER AUTHORIZING THE OUTAGE. THE OWNER RESERVES THE RIGHT TO MODIFY OR REJECT ANY REQUEST FOR SUCH AN OUTAGE. MODIFICATION OR REJECTION OF THE CONTRACTOR'S REQUEST BY THE OWNER SHALL NOT BE CONSIDERED REASON FOR DELAYS IN THE CONSTRUCTION SCHEDULE. UNLESS OTHERWISE NOTED, THE DURATION OF THE OUTAGE SHALL BE LIMITED TO FOUR (4) HOURS OR LESS. THE OWNER RESERVES THE RIGHT TO LIMIT THE DURATION OF THE OUTAGE TO LESS THAN 4 HOURS. MODIFICATION OF THE OUTAGE DURATION BY THE OWNER SHALL NOT BE CONSIDERED REASON FOR DELAYS IN THE CONSTRUCTION SCHEDULE.
- 3. TAKE CARE TO AVOID DAMAGE TO EXISTING FACILITIES; REPAIR ANY FACILITY DAMAGED IN THE COURSE OF CONSTRUCTION OF ANY PART OF THIS CONTRACT TO ITS ORIGINAL OPERATING CONDITION IMMEDIATELY, WITH REPAIR CREWS WORKING 24 HOURS PER DAY UNTIL THE DAMAGE IS REPAIRED AT NO ADDITIONAL COST TO OWNER.
- 4. THE ACTUAL REQUIRED LOCATIONS AND SIZES OF THE CONDUIT ENTRANCE AREAS ARE TO BE DETERMINED BY THE MANUFACTURER. CLOSELY AND CAREFULLY COORDINATE ALL CONDUIT ENTRANCE AREAS WITH THE EQUIPMENT MANUFACTURER.
- FOR CONDUIT SIZE AND CONDUCTOR FILL NOT SPECIFIED ON 5. THIS DRAWING, REFER TO CONDUIT AND WIRE SCHEDULE ON DRAWING NOS. 00E23 - 00E28.

		CIF	CUIT BREAKER VOLTS: 120/208 AN				
CONDUIT/WIRE DESCRIPTION	CIRCUIT BREAKER SIZE	CKT. NO.	LOAD DESCRIPTIONS	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTIC
		1					CONTROL PAN "AIS-MCP-02" CO POWER
3/4"-3#10(P),1#10(G)	20 3P	3	TRANSIENT VOLTAGE SURGE SUPPRESSOR "AEL-TVSS-13"				CONTROL PAN "AIS-MCP-02" CO POWER
		5	$\langle 3 \rangle$				CONTROL PAN "AIS-MCP-02" CO POWER
	20 1P	7	SPARE				SPARE
	20 1P	9	SPARE				SPARE
	20 1P	11	SPARE				SPARE
	20 1P	13	SPARE				SPARE
	20 1P	15	SPARE				SPARE
		17	SPACE				SPACE
		19	SPACE				SPACE
		21	SPACE				SPACE
		23	SPACE				SPACE
		25	SPACE				SPACE
		27	SPACE				SPACE
		29	SPACE				SPACE

FURNISH AND INSTALL PROPOSED PANELBOARD WITH A PAD LOCKABLE LOCKOUT MECHANISM FOR EACH CIRCUIT BREAKER (MAIN AND BRANCH CIRCUIT BREAKERS) IN THE PROPOSED PANELBOARD. REFER TO DRAWING NO. 32E28 FOR LOCATION OF PANELBOARDS. FURNISH TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) WITH A MINIMUM PEAK SURGE CURRENT RATING OF 160KA PER PHASE AT 208VAC, 30, 4W, AS MANUFACTURED BY INNOVATIVE TECHNOLOGY, INC, #PTX160-3Y101-SD OR APPROVED EQUAL. SUBMIT OPERATION AND MAINTENANCE MANUALS FOR THE TVSS IN COMPLIANCE WITH SPECIFICATION SECTIONS 01782 AND 16500. SUBMIT SHOP DRAWINGS FOR THE TVSS IN COMPLIANCE WITH SPECIFICATION SECTIONS 01330 AND 16500. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND MAKE ALL FINAL CONNECTIONS. CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN. -CPP-11" 3ø, 4W CIRCUIT OAD CKT CONDUIT/WIRE BREAKER DESCRIPTION RIPTIONS NO. SIZE ROL PANEL 20 1P 3/4"-6#10(P),3#10(G) -02" CONTROL OWER ROL PANEL 20 1P INCLUDED IN CONDUIT -02" CONTROL WITH CIRCUIT NO. 2 OWER ROL PANEL 20 1P INCLUDED IN CONDUIT -02" CONTROL OWER 6 WITH CIRCUIT NO. 2 20 1P PARE 8 20 1P PARE 10 20 1P PARE 12 20 1P PARE 14 20 1P PARE 16 SPACE 18 SPACE 20 SPACE 22 SPACE 24 PACE 26 PACE 28

30



	TAG REPLACEMENT TABL	E FOR AEF	RATION S	YSTEM CENT	RIFUGAL BLOW	ERS
EQUIPMENT TAG	EQUIPMENT DESCRIPTION	LC-AASBCOX	AASBCOX	CPT-AASBC0X	AEL-MMR-BCOX	NLBS-AASBCOX
LC-AASBC01	AERATION SYSTEM CENTRIFUGAL BLOWER NO. 1	LC-AASBC01	AASBC01	CPT-AASBC01	AEL-MMR-BC01	NLBS-AASBC01
LC-AASBC02	AERATION SYSTEM CENTRIFUGAL BLOWER NO. 2	LC-AASBC02	AASBC02	CPT-AASBC02	AEL-MMR-BC02	NLBS-AASBC02
LC-AASBC03	AERATION SYSTEM CENTRIFUGAL BLOWER NO. 3	LC-AASBC03	AASBC03	CPT-AASBC03	AEL-MMR-BC03	NLBS-AASBC03
LC-AASBC04	AERATION SYSTEM CENTRIFUGAL BLOWER NO. 4	LC-AASBC04	AASBC04	CPT-AASBC04	AEL-MMR-BC04	NLBS-AASBC04

Т	AG REPLACEN	MENT TABLE	FOR AERATIO	ON SYSTEM (CENTRIFUGA	BLOWERS (CONTINUED)	
EQUIPMENT TAG	XFMR-AASBCOX	AMC-MCC-01X	AIS-LCP-0X	AIS-FPP-BCOX	AIS-MC-BCOX	CB-SH-AASBCOX	STB-AASBCOX	сктхх
LC-AASBC01	XFMR-AASBC01	AMC-MCC-01A	AIS-LCP-01	AIS-FPP-BC01	AIS-MC-BC01	CB-SH-AASBC01	STB-AASBC01	14
LC-AASBC02	XFMR-AASBC02	AMC-MCC-01A	AIS-LCP-02	AIS-FPP-BC02	AIS-MC-BC02	CB-SH-AASBC02	STB-AASBC02	15
LC-AASBC03	XFMR-AASBC03	AMC-MCC-01B	AIS-LCP-03	AIS-FPP-BC03	AIS-MC-BC03	CB-SH-AASBC03	STB-AASBC03	16
LC-AASBC04	XFMR-AASBC04	AMC-MCC-01B	AIS-LCP-04	AIS-FPP-BC04	AIS-MC-BC04	CB-SH-AASBC04	STB-AASBC04	17

Note:

The following drawings have been extracted from the Conformed Set of drawings for this project. All changes shown in these drawings shall be confirmed in the field by the Contractor. The record set for these drawings will be made available to the Contractor upon their completion.

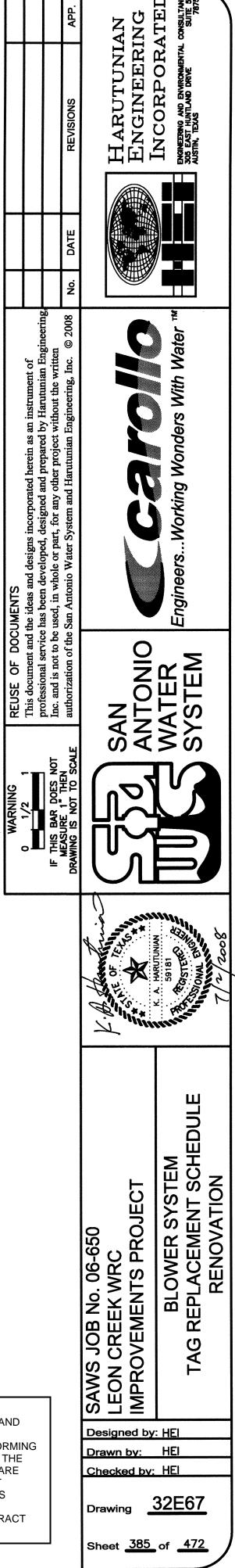
GENERAL NOTES:

- 1. ALTHOUGH TYPICAL CONTROL SCHEMATICS ARE PRESENTED FOR EQUIPMENT, THE CONTRACTOR SHALL GENERATE SPECIFIC EQUIPMENT CONTROL SCHEMATIC DRAWINGS (I.E., INDIVIDUAL CONTROL SCHEMATIC DRAWINGS DEDICATED FOR EACH SPECIFIC EQUIPMENT) BASED UPON THE TYPICAL CONTROL SCHEMATIC DRAWINGS, THE DEVICE IDENTIFICATION SCHEDULE, AND THE ADDITIONAL REQUIREMENTS OF THE CONTRACT SPECIFICATIONS. THE CONTRACTOR GENERATED SPECIFIC EQUIPMENT CONTROL SCHEMATICS SHALL FOLLOW THE SAME OVERALL PRESENTATION FORMAT AS THE TYPICAL EQUIPMENT CONTROL SCHEMATICS PRESENTED HEREIN. THE SPECIFIC EQUIPMENT CONTROL SCHEMATIC DRAWINGS, COMPLETE WITH ALL SPECIFIC EQUIPMENT/DEVICE TAGS (AS MINIMUM, ALSO REFER TO THE SPECIFICATIONS), SHALL BE GENERATED BY THE CONTRACTOR AND INCLUDED WITH THE PROJECT SUBMITTALS (I.E., PRIOR TO EQUIPMENT PURCHASE) AND THE "AS-BUILT" DRAWINGS. ANY CONTRACTOR GENERATED CONTROL SCHEMATIC SHOWN AS APPLICABLE TO MULTIPLE EQUIPMENT SHALL NOT BE ACCEPTED.
- THIS DRAWING PRESENTS THE INDIVIDUAL DEVICE 2. IDENTIFICATIONS WHICH ARE APPLICABLE TO THE INDIVIDUAL EQUIPMENT AS SHOWN. THIS DRAWING SHALL BE CROSS-REFERENCED WITH THE TYPICAL CONTROL SCHEMATIC DRAWING IN ORDER TO ASSIGN THE PROPER REQUIRED TAGS TO ALL OF THE SPECIFIC DEVICES FOR EACH EQUIPMENT. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TAGS SHOWN HEREIN FOR EACH EQUIPMENT AS SHOWN.

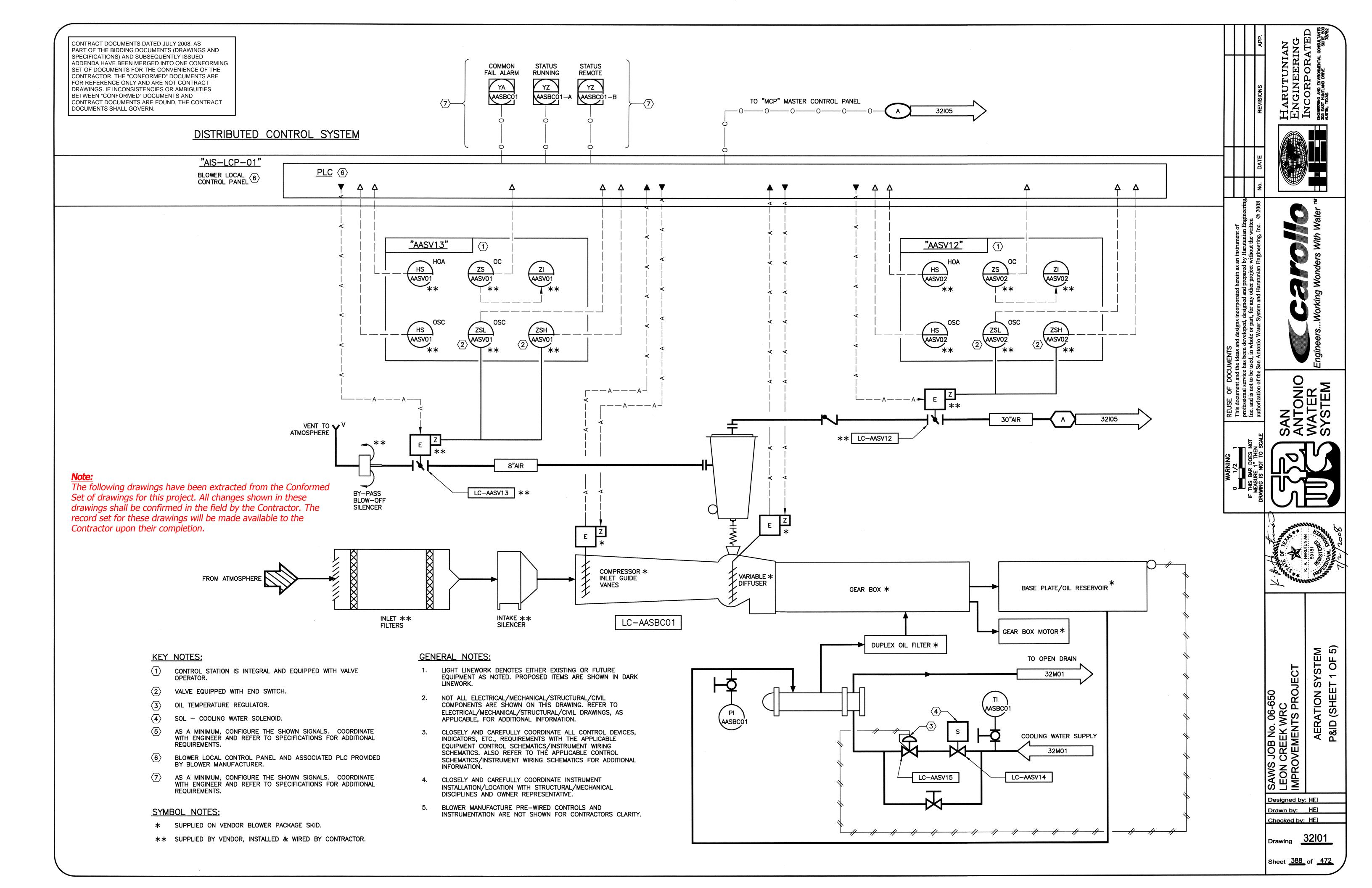
TILLINGE DIVININOU.	REFER	ENCE	DRAWINGS:	
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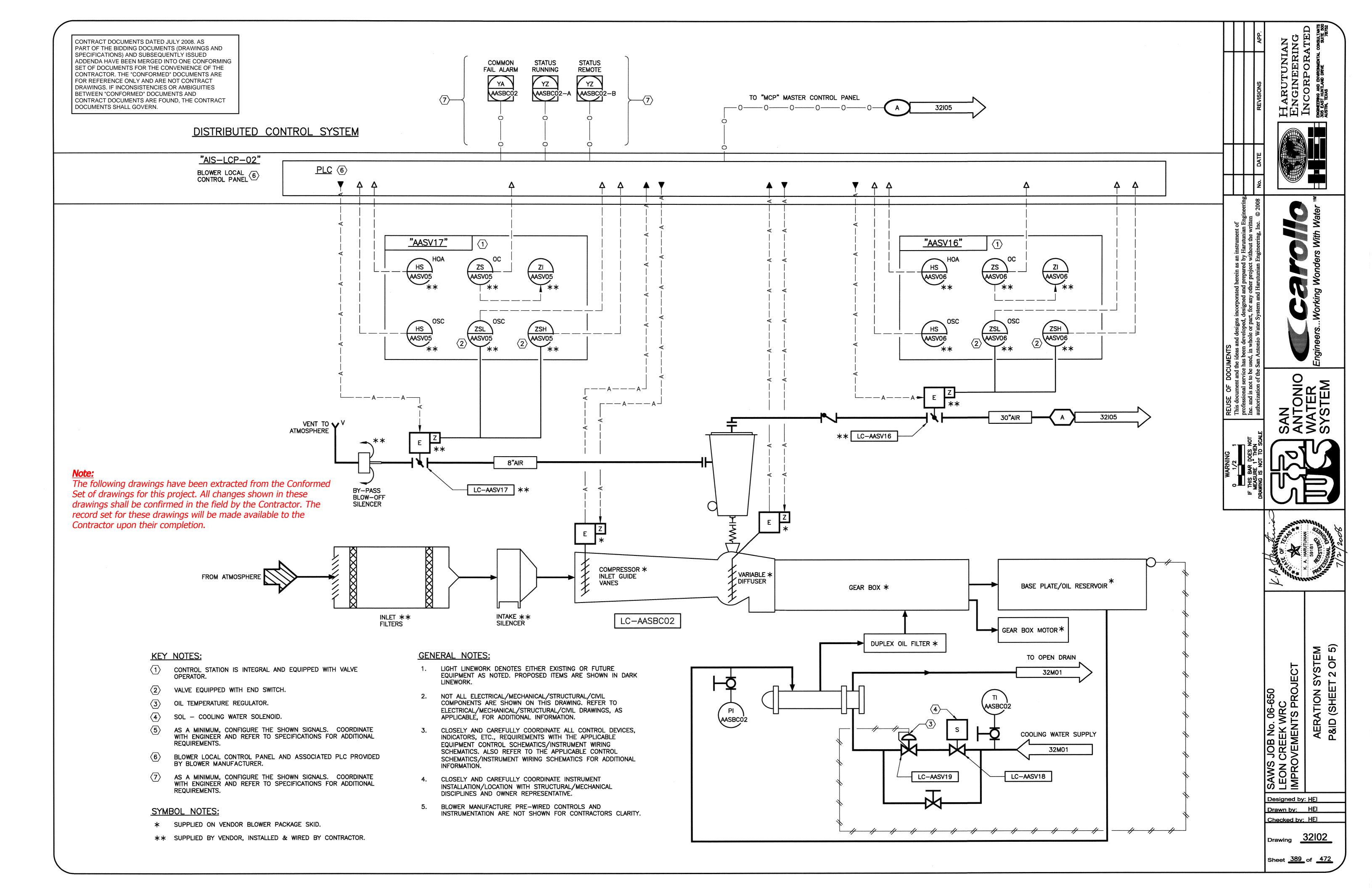
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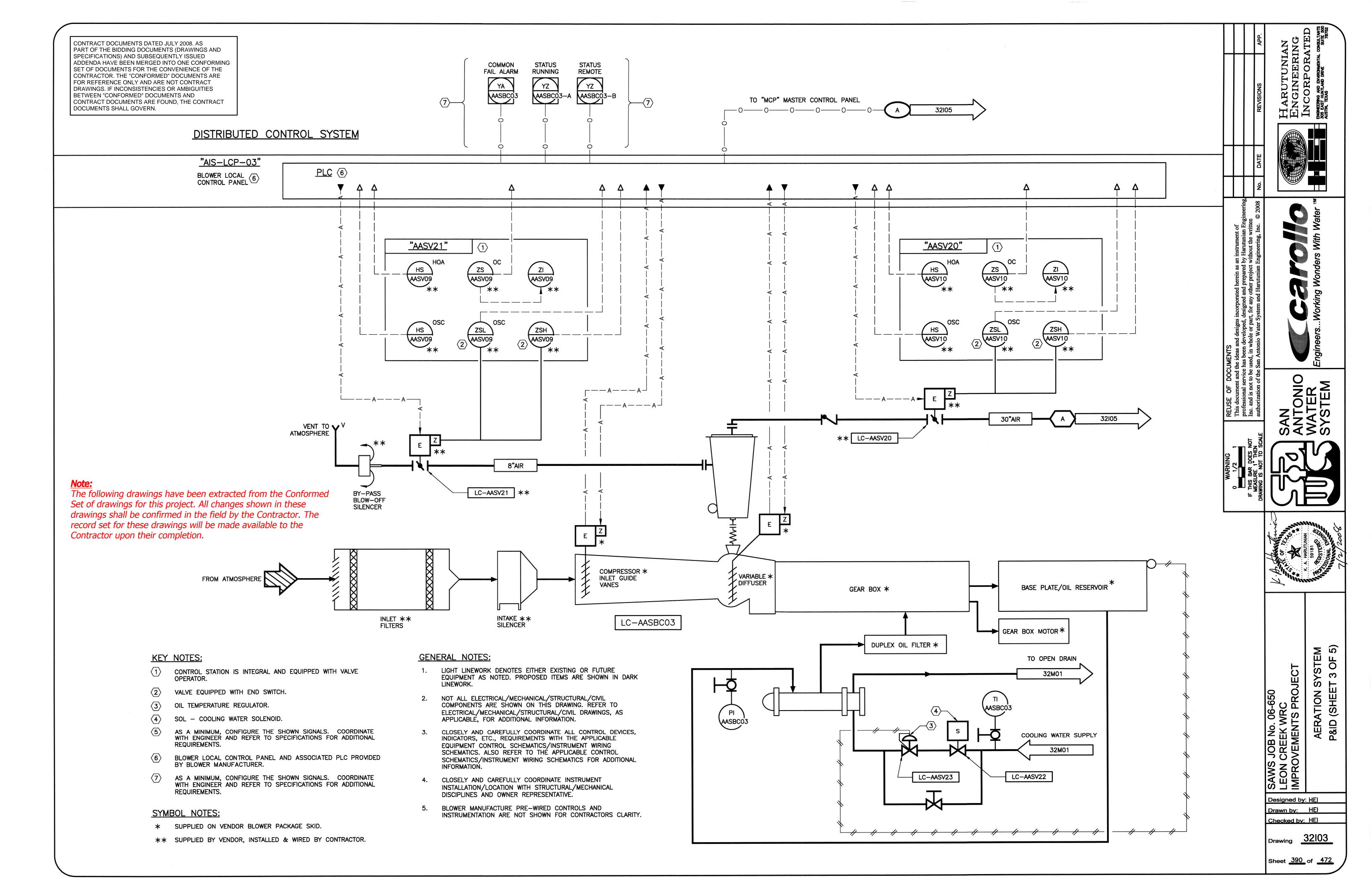
32E56 - 32E58 - TYPICAL BLOWER CONTROL SCHEMATIC

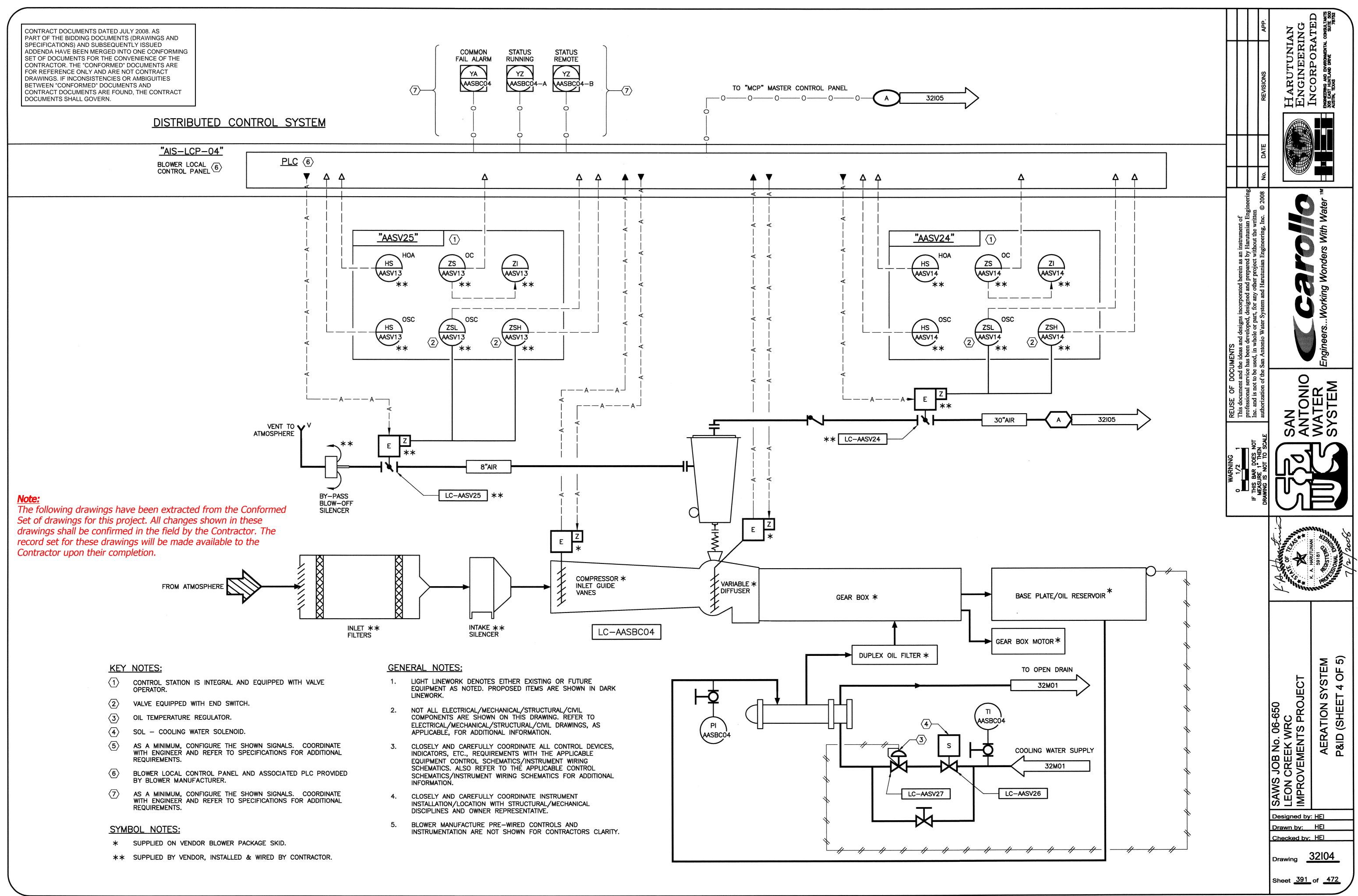


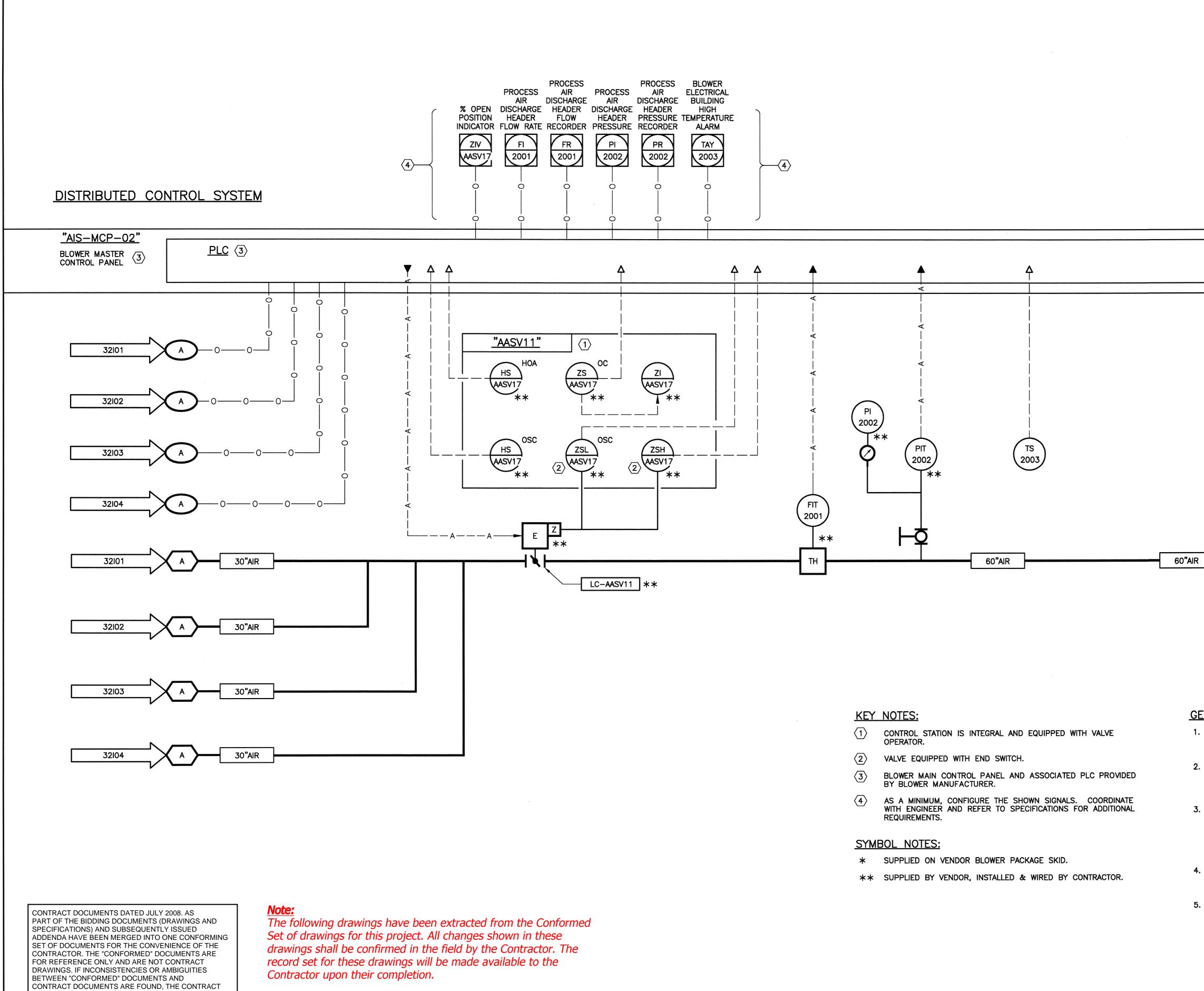
CONTRACT DOCUMENTS DATED JULY 2008. AS PART OF THE BIDDING DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SUBSEQUENTLY ISSUED ADDENDA HAVE BEEN MERGED INTO ONE CONFORMING SET OF DOCUMENTS FOR THE CONVENIENCE OF THE CONTRACTOR. THE "CONFORMED" DOCUMENTS ARE FOR REFERENCE ONLY AND ARE NOT CONTRACT. FOR REFERENCE ONLY AND ARE NOT CONTRACT DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.











DRAWINGS. IF INCONSISTENCIES OR AMBIGUITIES BETWEEN "CONFORMED" DOCUMENTS AND CONTRACT DOCUMENTS ARE FOUND, THE CONTRACT DOCUMENTS SHALL GOVERN.

\rangle	CONTROL STATION IS INTEGRAL AND EQUIPPED WITH VALVE OPERATOR.	1.
\geq	VALVE EQUIPPED WITH END SWITCH.	2.
$\langle \rangle$	BLOWER MAIN CONTROL PANEL AND ASSOCIATED PLC PROVIDED BY BLOWER MANUFACTURER.	۷.
$\langle \rangle$	AS A MINIMUM, CONFIGURE THE SHOWN SIGNALS. COORDINATE WITH ENGINEER AND REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.	3.
YME	BOL NOTES:	
k	SUPPLIED ON VENDOR BLOWER PACKAGE SKID.	
**	SUPPLIED BY VENDOR, INSTALLED & WIRED BY CONTRACTOR.	4.
		_

				APP.	AN ING	
				REVISIONS	HARUTUNIAN ENGINEERING	LNCORPORATED ENGINEERING AND ENVIRONMENTAL CONSULTANTS 305 EAST HUNTLAND DRIVE SUITE 500 AUSTIN, TEXAS
				DATE		
				No.		
		REUSE OF DOCUMENTS This document and the ideas and designs incorporated herein as an instrument of	professional service has been developed, designed and prepared by Harutunian Engin NOT Inc. and is not to be used, in whole or part, for any other project without the written	SCALE authorization of the San Antonio Water System and Harutunian Engineering, Inc. © 2008	SAN ANTONIO	SYSTEM EngineersWorking Wonders With Water **
२.	TO AERATION BASINS 1-15	WARNING	IF THIS BAR DOES N	10		
						S9181
<u>ene</u> 1.	ERAL NOTES: LIGHT LINEWORK DENOTES EITHER EXISTING OR FUTURE EQUIPMENT AS NOTED. PROPOSED ITEMS ARE SHOWN IN DARK LINEWORK.					EM : 5)
2.	NOT ALL ELECTRICAL/MECHANICAL/STRUCTURAL/CIVIL COMPONENTS ARE SHOWN ON THIS DRAWING. REFER TO ELECTRICAL/MECHANICAL/STRUCTURAL/CIVIL DRAWINGS, AS APPLICABLE, FOR ADDITIONAL INFORMATION.				3-650 RC PROJECT	N SYSTE EET 5 OF
3.	CLOSELY AND CAREFULLY COORDINATE ALL CONTROL DEVICES, INDICATORS, ETC., REQUIREMENTS WITH THE APPLICABLE EQUIPMENT CONTROL SCHEMATICS/INSTRUMENT WIRING SCHEMATICS. ALSO REFER TO THE APPLICABLE CONTROL SCHEMATICS/INSTRUMENT WIRING SCHEMATICS FOR ADDITIONAL INFORMATION.				SAWS JOB No. 06-650 LEON CREEK WRC IMPROVEMENTS PRC	AERATION SYSTEM P&ID (SHEET 5 OF 5)
4.	CLOSELY AND CAREFULLY COORDINATE INSTRUMENT INSTALLATION/LOCATION WITH STRUCTURAL/MECHANICAL DISCIPLINES AND OWNER REPRESENTATIVE.				WS JOI ON CRE PROVEI	
5.	BLOWER MANUFACTURE PRE-WIRED CONTROLS AND INSTRUMENTATION ARE NOT SHOWN FOR CONTRACTORS CLARITY	•			Designed by:	
					Drawn by: Checked by:	HEI HEI
	·				Drawing	32105
					Sheet 392	of <u>472</u>