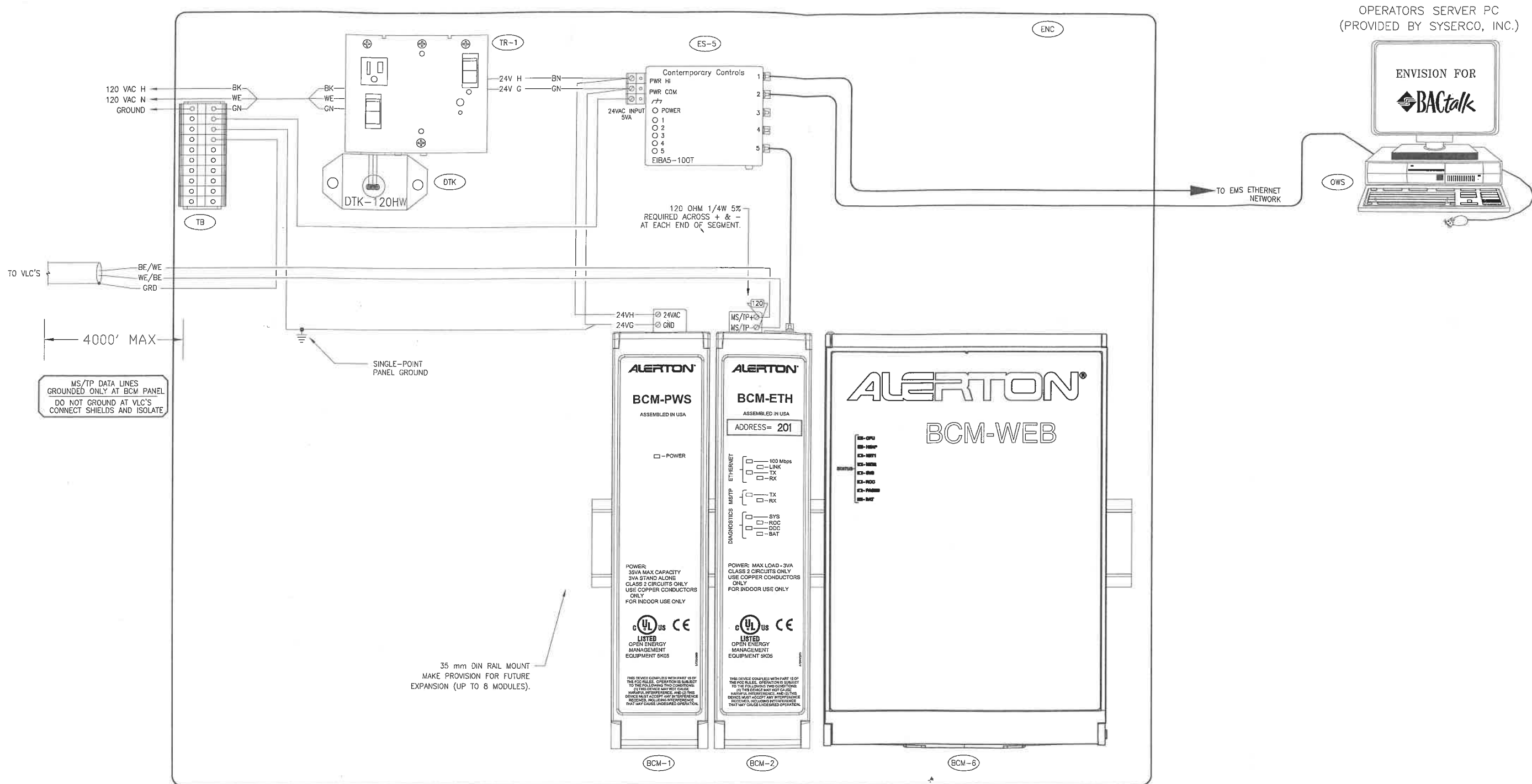


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[illegible]

VERSION: XXXXXXXXXX



TAG	QTY	PART NUMBER	DESCRIPTION	COMMENTS
ENC	1	A24N24ALP	HOFFMAN NEMA-1 24X24 ENCLOSURE	
	1	A24N24MP	HOFFMAN 24X24 MOUNTING PLATE	
	1	A-L12-B	HOFFMAN KEY LOCK KIT FOR TCP	
BCM-1	1	BCM-PWS	ALERTON BACTalk CONTROL MODULE	POWER SUPPLY
BCM-2	1	BCM-ETH	ALERTON BACTalk CONTROL MODULE	W/1 ETHERNET LAN, 1 MS/TP LAN
BCM-6	1	BCM-WEB	ALERTON BACTalk CONTROL MODULE	128 VLC SUPPORT, WEB CAPABILITY
TR-1	1	PSH100AWB10	FUNCTIONAL DEVICES POWER SUPPLY	W/10 AMP SWITCH/BREAKER, INTERNAL WIRES
TB	10	165 113 16	ABB ENTRELEC GROUND BLOCK M4/6.P	24G (GREEN/YELLOW)
	1	103 062 21	ABB ENTRELEC FEM6 END SECTION	YELLOW
	2	103 002 26	ABB ENTRELEC BAM END STOP	GRAY
	1	176 667 04	ABB ENTRELEC ASSEMBLED JUMPER BAR	W/P20 PROTECTION (16 POLES)
DTK	1	ALPS-DTK-120 HW	ALPS DITEK INDUSTRIAL SURGE PROTECTOR	
ES-5	1	E18A5-100T	CONTEMPORARY CONTROL ETHERNET SWITCH	
FIELD DEVICES				
OWS	1	DELL PLEX 360	DELL DESKTOP COMPUTER	

OPERATORS SERVER PC
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PROJECT
CALIFORNIA SHAKESPEARE - PHASE 1
100 GATEWAY BLVD, ORINDA CA 94563

FILE
JOB NUMBER
C0B021
SHEET I.D.
CC 0.03

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BACTalk

BCM GLOBAL CONTROLLER WIRING DIAGRAM

DO NOT EXTEND PANEL COMPONENTS BEYOND MOUNTING PLATE BOUNDARIES

24"

21"

GROUND BUS

ETHERNET SWITCH

PSH100A-W-B10

SURGE

BCM-PWS

BCM-ETH

BCM-WEB

22.5"

24"

 Syserco Integrated Building Systems									
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BY	AP	JP							
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04/28/10 REVISIONS #2	△								
PROJECT CALIFORNIA SHAKESPEARE - PHASE 1 100 GATEWAY BLVD, ORINDA CA 94563  BACtalk ALEERTON® AUTHORIZED DEALER									
FILE									
JOB NUMBER									
C0B021									
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CC 0.03P									

BCM-ETH NETWORK ADDRESS INFORMATION									
Device Instance		201							
Ethernet Network No.		10							
Location									
MS/TP LAN		NETWORK 2011							
Device Instance	MAC Add.	Dev.Type	Description	Serving	Bldg.	JOB NO.	INTERLOCK	DWG.	
201	127								
1101	1	VLC-853	HP-1	DRESSING ROOM	THEATER	COB021			CC 1.01
1102	2	VLC-853	HP-2	DRESSING ROOM	THEATER	COB021			CC 1.01
1103	3								
1104	4	VLC-550	EF-4	BATHROOM EXHAUST	THEATER	COB021			CC 1.02
1105	5								
1106	6								
1107	7								
1108	8								
1109	9								
1110	10								
1111	11								
1112	12								
1113	13								
1114	14								
1115	15								
1116	16								
1117	17								
1118	18								
1119	19								
1120	20								
1121	21								
1122	22								
1123	23								
1124	24								
1125	25								
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1127	27								
1128	28								
1129	29								
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1164	64								



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 **BACTALK**

100 GATEWAY BLVD, ORINDA CA 94563

CALIFORNIA SHAKESPEARE— PHASE 1

JECT

FILE
JOB NUMBER C0B021
SHEET I.D. CC 0.04A

BCM-ETH 201 Configuration Settings

Device Settings

Device Instance:	201	Description:	
Model Type:	BCM-ETH	Location:	

Ethernet Settings:

BACnet/Ethernet	Y	Ethernet Net #:	10	Ethernet MAC:	
-----------------	---	-----------------	----	---------------	--

MS/TP Settings

Net #:	2011	MAC:	127	Speed:	76.8Kbps	Support v1.02 VLCs:	N
--------	------	------	-----	--------	----------	---------------------	---

TUX Settings

Base Device Instance:		TUX Vnet Number:		Kbps:	9600
-----------------------	--	------------------	--	-------	------

PTP Settings

Vnet#:	Password:	Dial-in Enabled:	Y/N	Speaker:	Y/N	Country Code:
--------	-----------	------------------	-----	----------	-----	---------------

IP Settings

IP Enabled:	N	IP Address:	
† Frame Type:	DIX *	UDP Port:	47808 *
† Reassembly Timeout:	120 *	Gateway 1 Address:	
† MAX MTU:	1500 *	Gateway 2 Address:	0 . 0 . 0 . 0 *
† Time to Live:	64 *	BDT Server IP Addr:	
† Type of Service:	0 *	BDT Server UDP Port:	47808 *
Virtual Net #:	7777	* = Factory Default Settings	
Subnet Mask:		† = Recommended DO NOT CHANGE Default Settings	

BDT Table Settings

	IP Address	UDP Port	† Subnet Mask		IP Address	UDP Port	† Subnet Mask
1		47808 *	255.255.255.255 *	17		47808 *	255.255.255.255 *
2		47808 *	255.255.255.255 *	18		47808 *	255.255.255.255 *
3		47808 *	255.255.255.255 *	19		47808 *	255.255.255.255 *
4		47808 *	255.255.255.255 *	20		47808 *	255.255.255.255 *
5		47808 *	255.255.255.255 *	21		47808 *	255.255.255.255 *
6		47808 *	255.255.255.255 *	22		47808 *	255.255.255.255 *
7		47808 *	255.255.255.255 *	23		47808 *	255.255.255.255 *
8		47808 *	255.255.255.255 *	24		47808 *	255.255.255.255 *
9		47808 *	255.255.255.255 *	25		47808 *	255.255.255.255 *
10		47808 *	255.255.255.255 *	26		47808 *	255.255.255.255 *
11		47808 *	255.255.255.255 *	27		47808 *	255.255.255.255 *
12		47808 *	255.255.255.255 *	28		47808 *	255.255.255.255 *
13		47808 *	255.255.255.255 *	29		47808 *	255.255.255.255 *
14		47808 *	255.255.255.255 *	30		47808 *	255.255.255.255 *
15		47808 *	255.255.255.255 *	31		47808 *	255.255.255.255 *
16		47808 *	255.255.255.255 *	32		47808 *	255.255.255.255 *

* = Factory Default Settings / † DO NOT CHANGE Subnet Mask of 255.255.255.255, must be left at Default Settings for proper operation



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CALIFORNIA SHAKESPEARE-- PHASE 1

100 GATEWAY BLVD, ORINDA CA 94563



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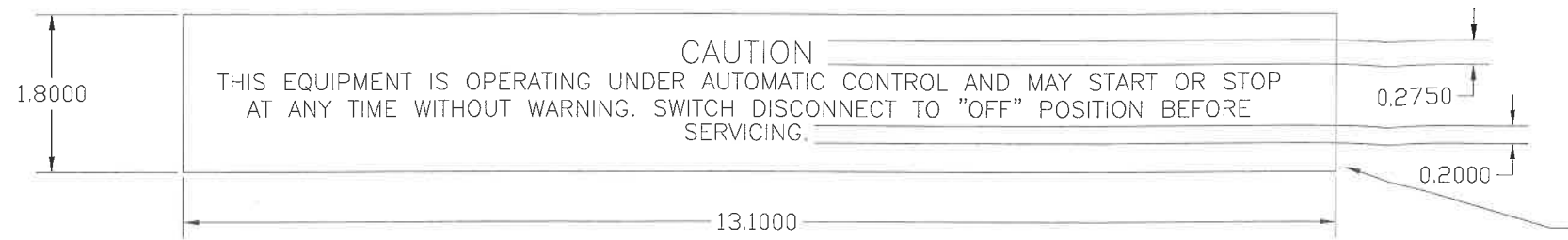
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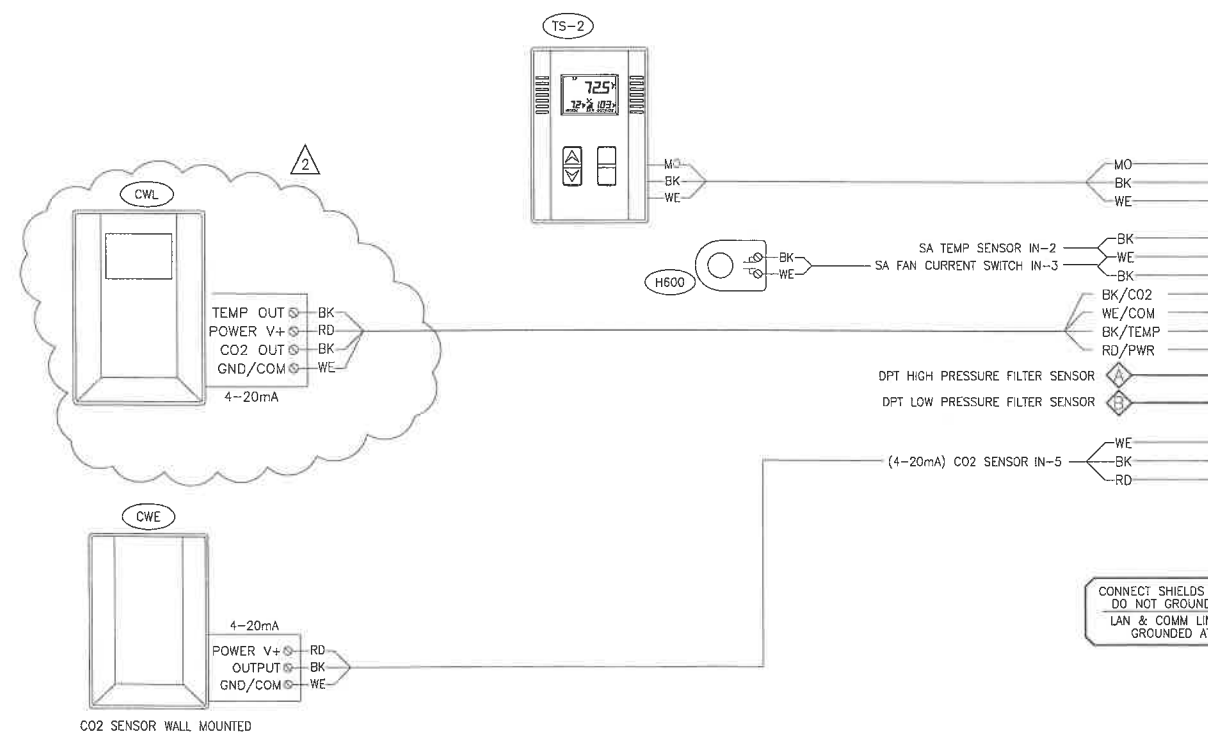
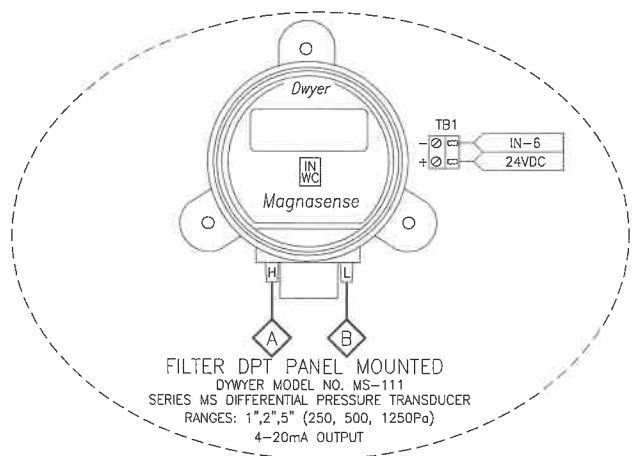
SHEET 1.D.

CC 0.06

BCM-ETH # 201 CONFIGURATION SETTINGS

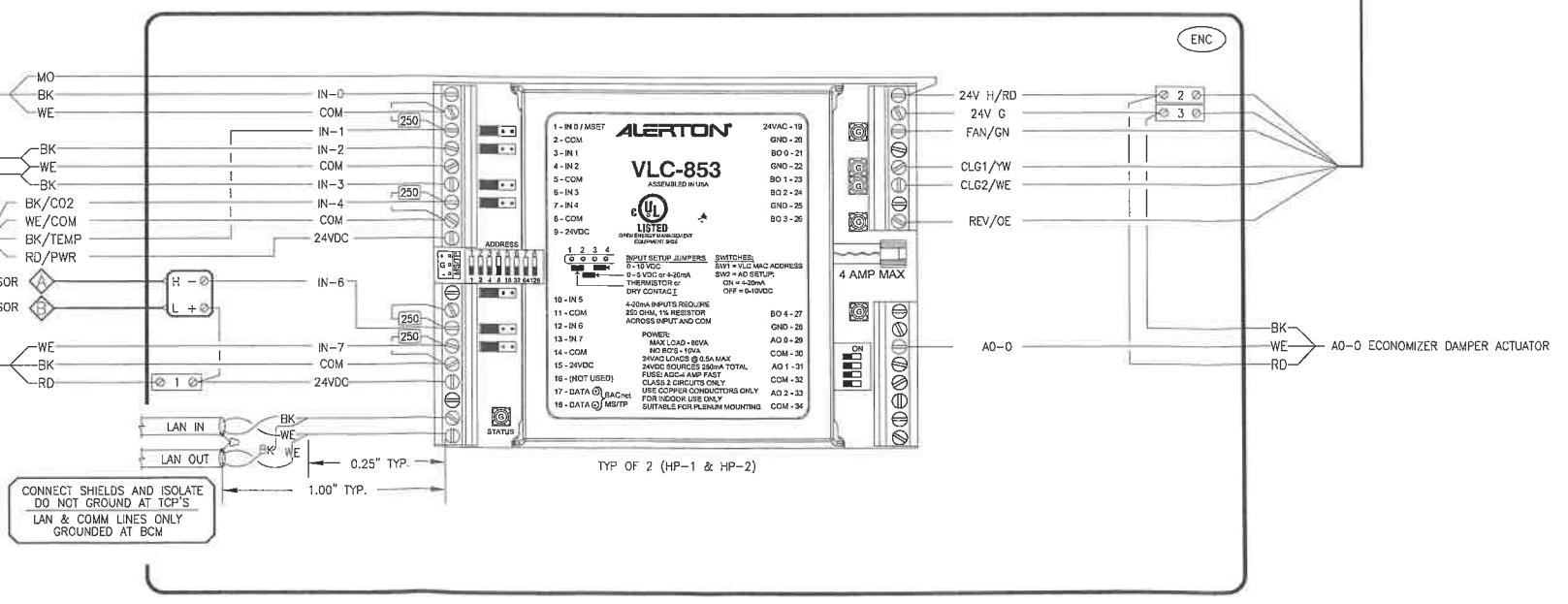
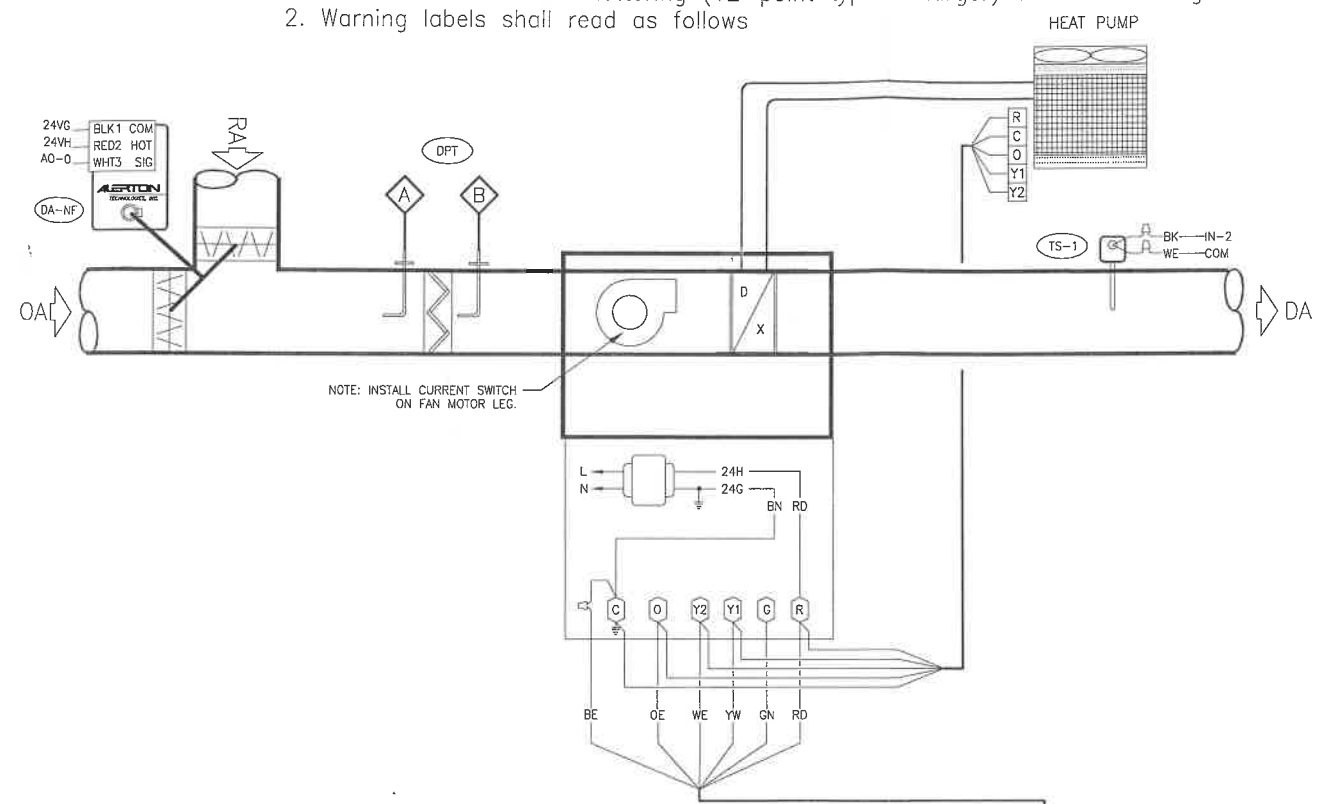


PANEL DEVICES				
TAG	QTY	PART NUMBER	DESCRIPTION	COMMENTS
VLC	2	VLC-651R	ALERTON DDC CONTROLLER	
ENC	2	A16R124	NEMA-3R 16X12X4 ENCLOSURE	
TB	4	16527500	ABB ENTRELEC M4/6 TERMINAL BLOCK	24G (GREEN/YELLOW)
	4	11511607	ABB ENTRELEC M4/6 TERMINAL BLOCK	STANDARD (GREY)
	2	11836816	ABB ENTRELEC FEM6 END SECTION	
	4	10300226	ABB ENTRELEC BAM END STOP	
FIELD DEVICES				
TS-2	2	MS-2000	ALERTON MICROSET II ROOM CONTROLLER	
TS-1	2	TS-2006-FB-10-AA	ALERTON 6" DUCT TEMPERATURE SENSOR	
H600	2	H-600	VERIS CURRENT SWITCH	
CWE	2	VERIS-CWE	CO2 WALL SENSOR	
CWL	2	VERIS-CWLS-X-T-D	CO2 WALL SENSOR WITH TEMPERATURE	
DPT	2	DWYER-MS-111	DIFFERENTIAL PRESSURE TRANSDUCER	PANEL MOUNTED
DA-NF	2	LMB24-SR	DAMPER ACTUATOR	



Affix Permanent warning labels to equipment that can be automatically started by the control system.

- Labels shall use white lettering (12-point type or larger) on a red background
- Warning labels shall read as follows



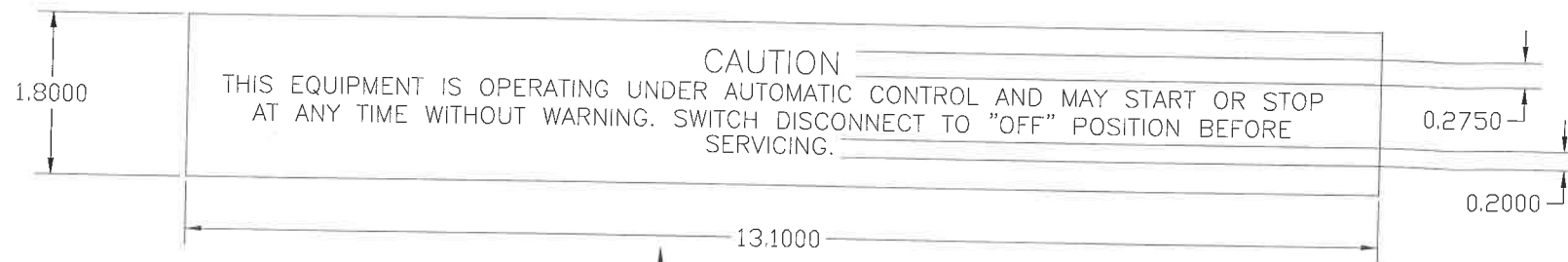
TYPICAL HEAT PUMP CONTROL DIAGRAM

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 100 GATEWAY BLVD, ORINDA CA 94563
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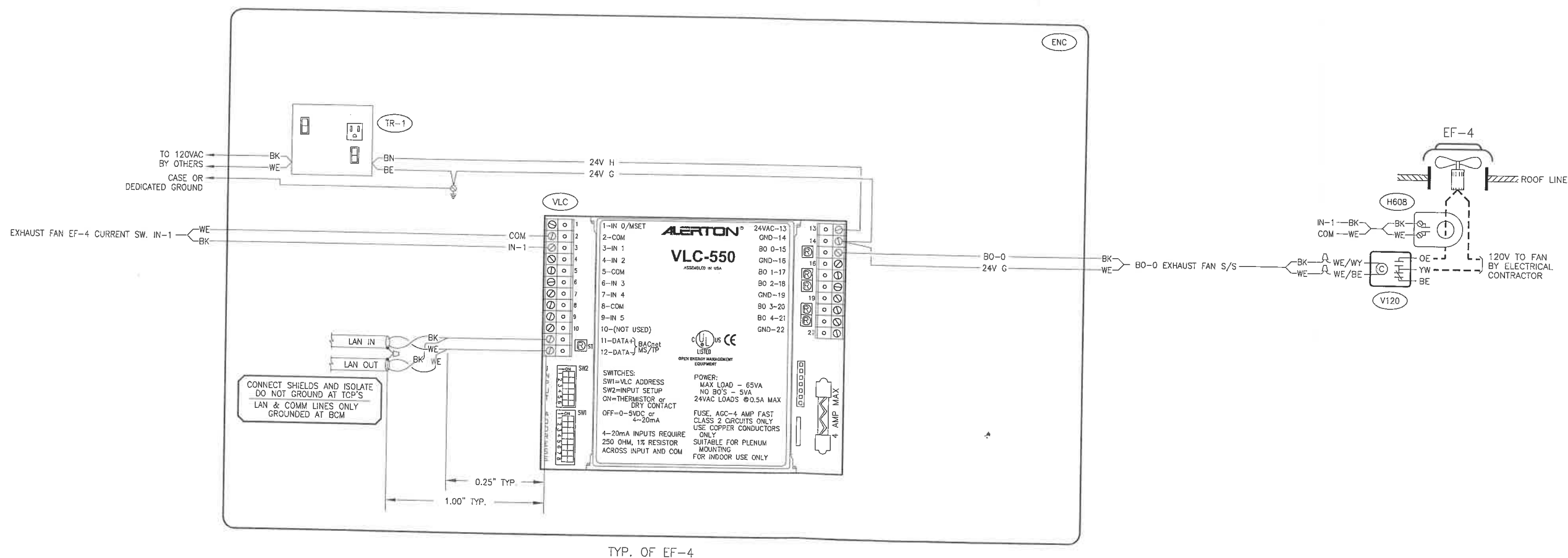
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 CC 1.01A



PANEL DEVICES			COMMENTS
TAG	QTY	PART NUMBER	
VLC	1	VLC-550	ALERTON VISUAL LOGIC CONTROLLER
ENC	1	A16R124	HOFFMAN NEMA-3R 16X12X4 ENCLOSURE
TR-1	1	PSH100AWB10	FUNCTIONAL DEVICES POWER SUPPLY W/10 AMP SWITCH/BREAKER, INTERNAL WIRES
FIELD DEVICES			
TAG	QTY	PART NUMBER	
V120	1	V-120	VERIS SPDT ENCLOSED RELAY
H608	1	H-608	VERIS CURRENT SWITCH

Affix Permanent warning labels to equipment that can be automatically started by the control system.

1. Labels shall use white lettering (12-point type or larger) on a red background
2. Warning labels shall read as follows



EF-4 UNIT CONTROL DIAGRAM

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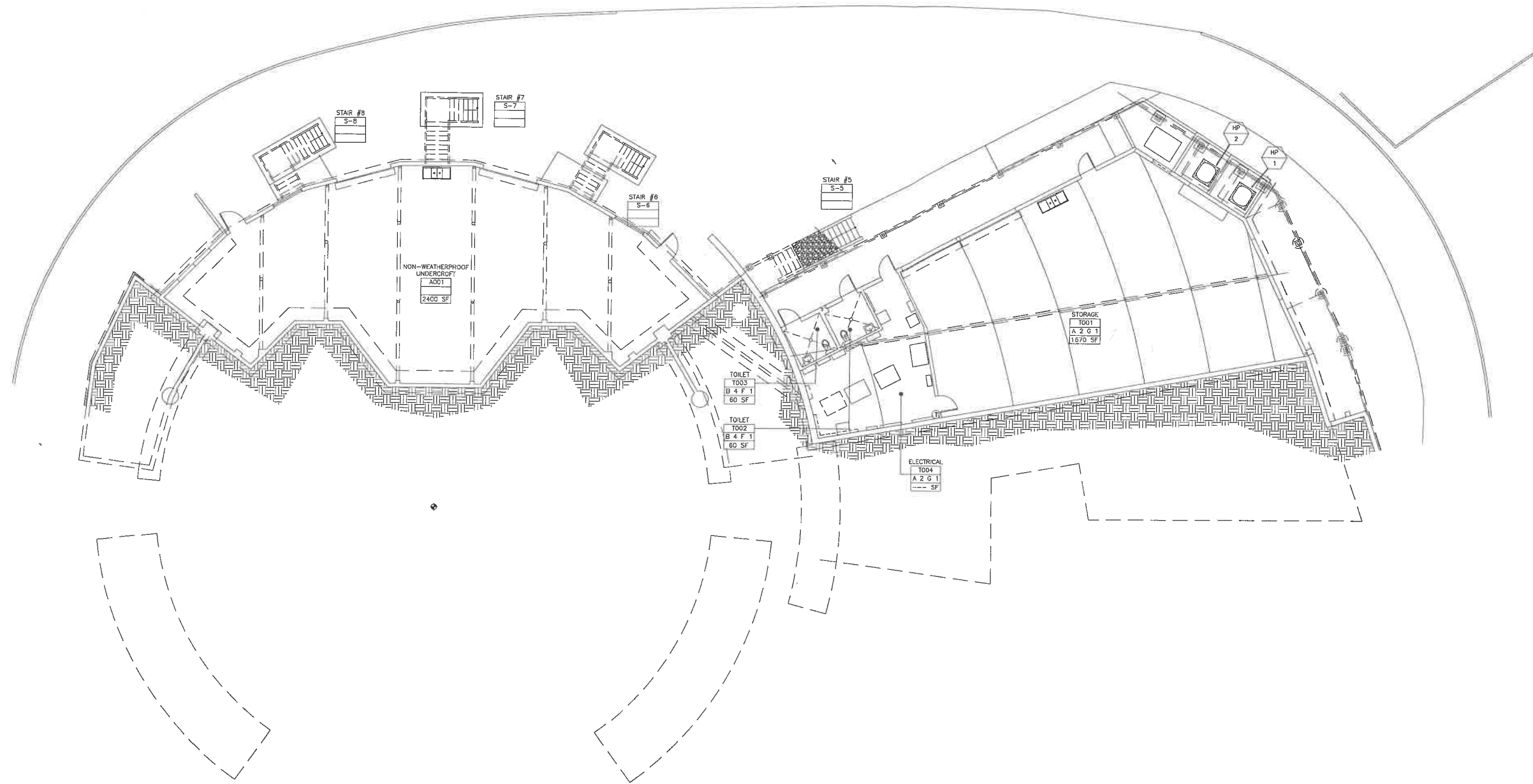
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PROJECT
CALIFORNIA SHAKESPEARE-- PHASE 1
100 GATEWAY BLVD, ORINDA CA 94563

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BACtalk

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HEAT PUMP 1 & 2 FLOOR PLAN



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PROJECT
CALIFORNIA SHAKESPEARE - PHASE 1

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CC 2.01

SEQUENCE OF OPERATION

BACtalk System Description

HEAT PUMP WITH ECONOMIZER

- Each unit will be directly controlled by its own dedicated unitary controller. The DDC system will interface with units to provide the control.
- Each unitary controller will be connected to a wall mounted electronic temperature sensor with LED or LCD display, push buttons for warmer, cooler, OSA temperature, room temperature, room set point, and after-hours override timer.
- Heating operation: The controller compares the heating setpoint with the space temperature and determines a heating control signal to engage the reversing valve and compressor. ~~Further call for heat shall engage the electric strip heat element to maintain room setpoint.~~
- Cooling operation: The controller compares the cooling setpoint with the space temperature and determines a cooling signal. The first stage of cooling will enable the economizer to provide free cooling for as long as possible. The second stage will stage the compressor to maintain the room set point.
- Fan Operation: During the occupied mode, the DDC system sends an occupied signal to the integrated unit controller and the fan runs. During unoccupied mode, the fan cycles with demand. A timer keeps the fan on for 1 minute after the demand is satisfied to dissipate any energy in the coil. The temperature is controlled by the night cooling and heating setpoints. ~~Interlock exhaust fans as shown on schedule.~~
- Minimum Outside Air Ventilation: When in the occupied mode, the controller shall measure the zone CO2 levels and open the outside air dampers on rising CO2 concentrations, overriding normal damper operation as CO2 concentrations rise from 750ppm to 850ppm (adj.) and above.
- Filter Differential Pressure Monitor: The controller shall monitor the differential pressure across the filter. When filter differential pressure exceeds a user definable limit (adj.) and alarm will trigger.
- Monitoring - The following conditions shall be monitored:
 - Supply air temperature. ✓
 - Outside air temperature. ✓
 - Room temperature. ✓
 - Filter Differential Pressure ✓
 - Zone Carbon Dioxide PPM ✓
 - Current mode (heating/cooling/fan). ✓
 - Supply air temperature attained last time unit was in heating.
 - Supply air temperature attained last time unit was in cooling.
 - Current command status of fan, compressor and gas valve.
 - Run time meters on fan, compressor, and heat

EXHAUST FAN COOLING SETPOINT

- The exhaust fan will operate during normal building operating hours.
- Monitoring - The following conditions shall be monitored:
 - Status of exhaust fan.
- Alarm - If the exhaust fan runs while commanded to the off state or is the exhaust fan fails to run while commanded to the on state, an alarm shall be displayed and annunciated at the operator's console.

* PROVIDE FOR MOST DEMANDING ZONE FOR UNITS WITH TWO T'STATS

REVISE HEATING SEQUENCE TO ALLOW FOR 2-STAGE HEATING. ALSO, THERE IS NO STRIP HEAT ELEMENT FOR THESE FANCOILS.

PROVIDE 2-STAGE COOLING (DA) SEQUENCE TO FOLLOW ECONOMIZER OPERATION. INDICATE THAT ECONOMIZER SHALL MODULATE TO MAINTAIN SPACE TEMP (INTEGRATED).

WHEN CO2 LEVEL IS MEASURED AS LESS THAN 900 PPM, OA DAMPERS SHALL PROVIDE MINIMUM CFM ①, WHEN CO2 EXCEEDS 900 PPM, OA DAMPERS SHALL PROVIDE CODE REQ'D CFM ②. WHEN ECONOMIZER COOLING IS REQ'D, OA DAMPERS SHALL MODULATE TO PROVIDE SPACE TEMPERATURE.

REFER TO 15900 PAGE 33 FOR POINTS LIST & WHICH POINTS ARE TO BE TRENDED & SHOWN ON GUI

INDICATE WHICH FAN(S), NOTE THAT MANY EXHAUST FANS ON THIS PROJECT ARE NOT ON BMS/DDC CONTROLS

	① CO ₂ < 900 PPM	② CO ₂ > 900 PPM	③ ECONOMIZER
HP-1	100	550	550-MAX
HP-2	280	370	370-MAX



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03/09/10	REVISION 1		

PROJECT
CALIFORNIA SHAKESPEARE - PHASE 1
100 GATEWAY BLVD, ORINDA CA 94563
ALERTON®
AUTHORIZED DEALER
BACtalk

FILE
JOB NUMBER
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CC 0.05A

Device Settings

Ethernet Settings:

MS/TP Settings

TUX Settings

PTP Settings

IP Settings

BDT Table Settings

* = Factory Default Settings / † DO NOT CHANGE Subnet Mask of 255.255.255.255, must be left at Default Settings for proper operation

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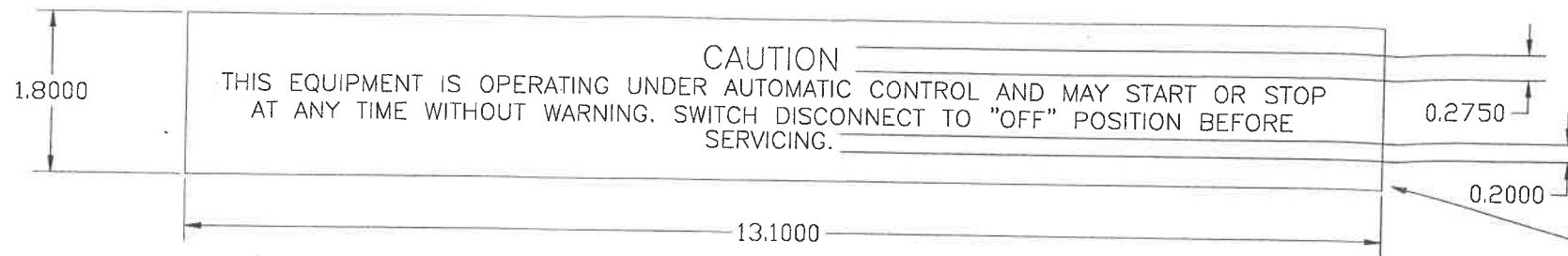
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CALIFORNIA SHAKESPEARE— PHASE 1

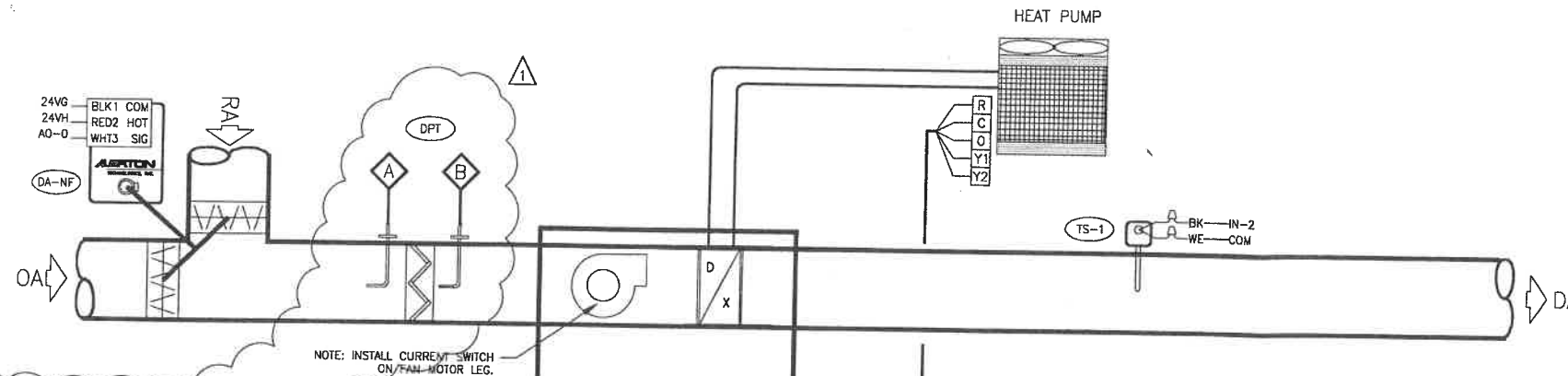
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JOB NUMBER

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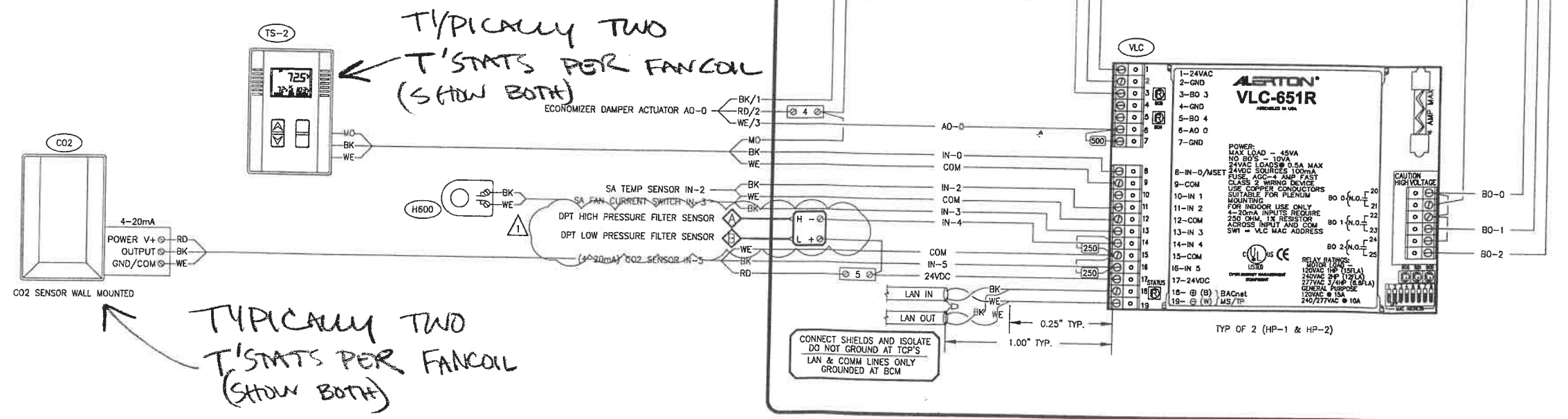
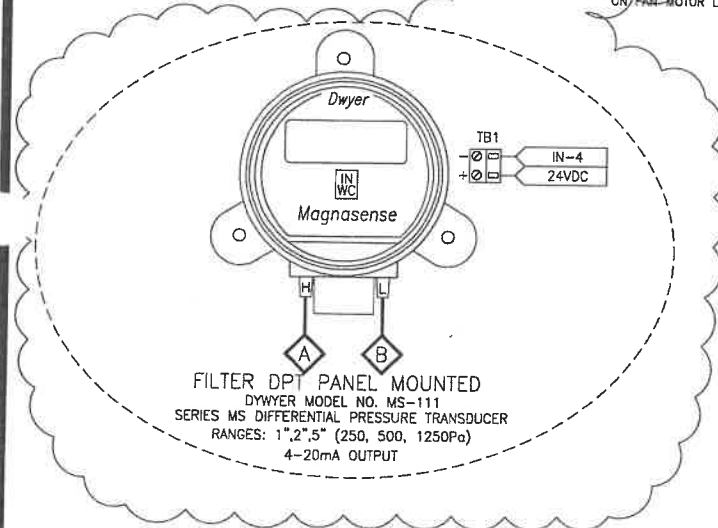
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- Affix Permanent warning labels to equipment that can be automatically started by the control system.
1. Labels shall use white lettering (12-point type or larger) on a red background
 2. Warning labels shall read as follows



PANEL DEVICES				COMMENTS
TAG	QTY	PART NUMBER	DESCRIPTION	
VLC	2	VLC-651R	ALERTON DDC CONTROLLER	
ENC	2	A16R124	NEMA-3R 16X12X4 ENCLOSURE	
TB	4	16527500	ABB ENTRELEC M4/6 TERMINAL BLOCK	24G (GREEN/YELLOW)
	4	11511607	ABB ENTRELEC M4/6 TERMINAL BLOCK	STANDARD (GREY)
	2	11836816	ABB ENTRELEC FEM6 END SECTION	
	4	10300226	ABB ENTRELEC BAM END STOP	
FIELD DEVICES				COMMENTS
TAG	QTY	PART NUMBER	DESCRIPTION	
TS-2	2	MS-2000	ALERTON MICROSET II ROOM CONTROLLER	
TS-1	2	TS-2006-FB-10-AA	ALERTON 6" DUCT TEMPERATURE SENSOR	
H600	2	H-600	VERIS CURRENT SWITCH	
DPT	2	DWYER-MS-111	DIFFERENTIAL PRESSURE TRANSDUCER	PANEL MOUNTED
DA-NF	2	LMB24-SR	DAMPER ACTUATOR	



TYPICAL HEAT PUMP CONTROL DIAGRAM



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ENGINEERS
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510.663.2080 FAX

CONTRACTOR
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CONSTRUCTION
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RICHMOND, CA 94801
510.234.0926
510.237.2435 FAX

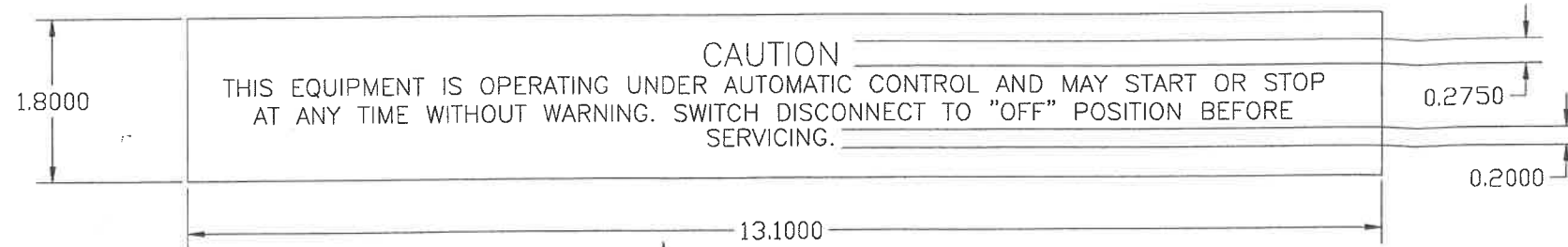
DATE	DESCRIPTION	BY	AP	AP
10/21/09	SUBMITALS			
03/05/10	REVISION 1			

PROJECT
CALIFORNIA SHAKESPEARE- PHASE 1
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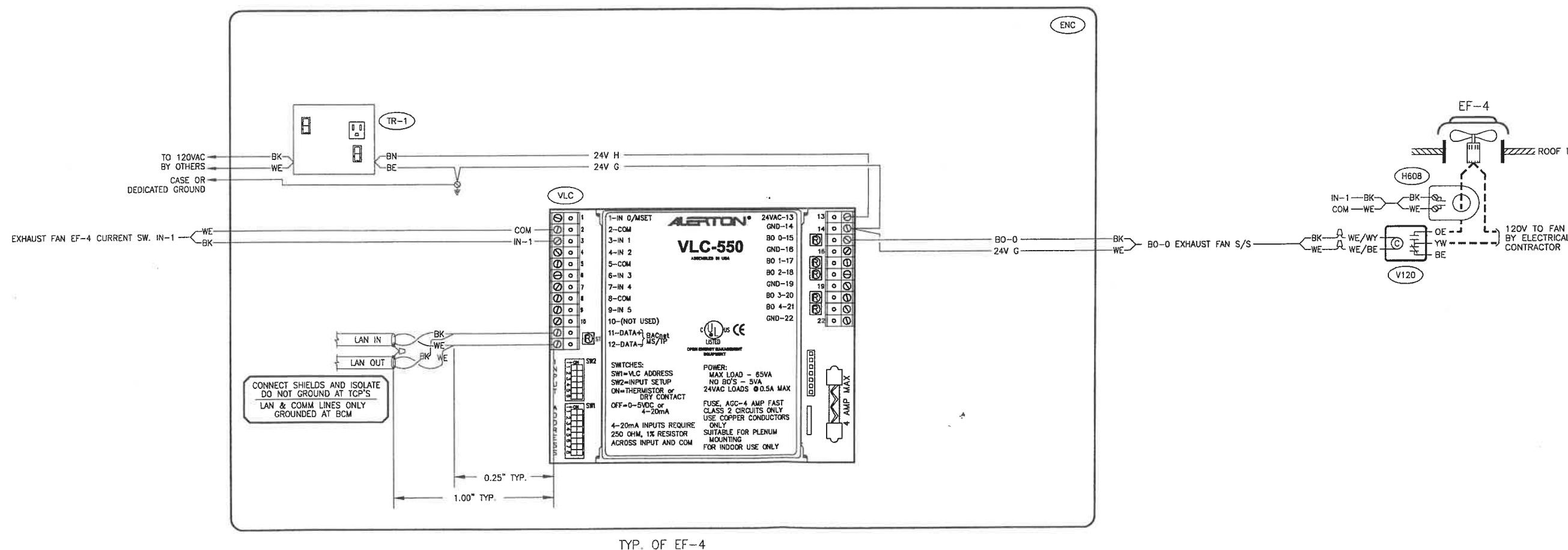
FILE
JOB NUMBER
C0B021
SHEET I.D.
CC 1.01A



TAG	QTY	PART NUMBER	PANEL DEVICES	
			DESCRIPTION	COMMENTS
VLC	1	VLC-550	ALERTON VISUAL LOGIC CONTROLLER	
ENC	1	A16R124	HOFFMAN NEMA-3R 16X12X4 ENCLOSURE	
TR-1	1	PSH100AWB10	FUNCTIONAL DEVICES POWER SUPPLY	W/10 AMP SWITCH/BREAKER, INTERNAL WIRES
FIELD DEVICES				
V120	1	V-120	VERIS SPDT ENCLOSED RELAY	
H608	1	H-608	VERIS CURRENT SWITCH	

Affix Permanent warning labels to equipment that can be automatically started by the control system.

1. Labels shall use white lettering (12-point type or larger) on a red background
2. Warning labels shall read as follows



TYP. OF EF-4



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EF-4 UNIT CONTROL DIAGRAM



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VG. CHK	SALES	CHK
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 **BACTALK**

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CALIFORNIA SHAKESPEARE - PHASE I

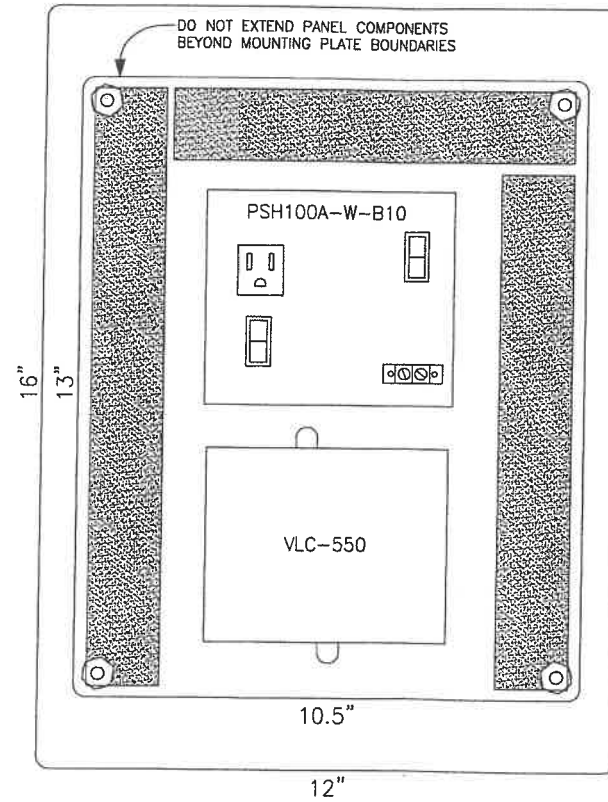
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JOB NUMBER

COR021

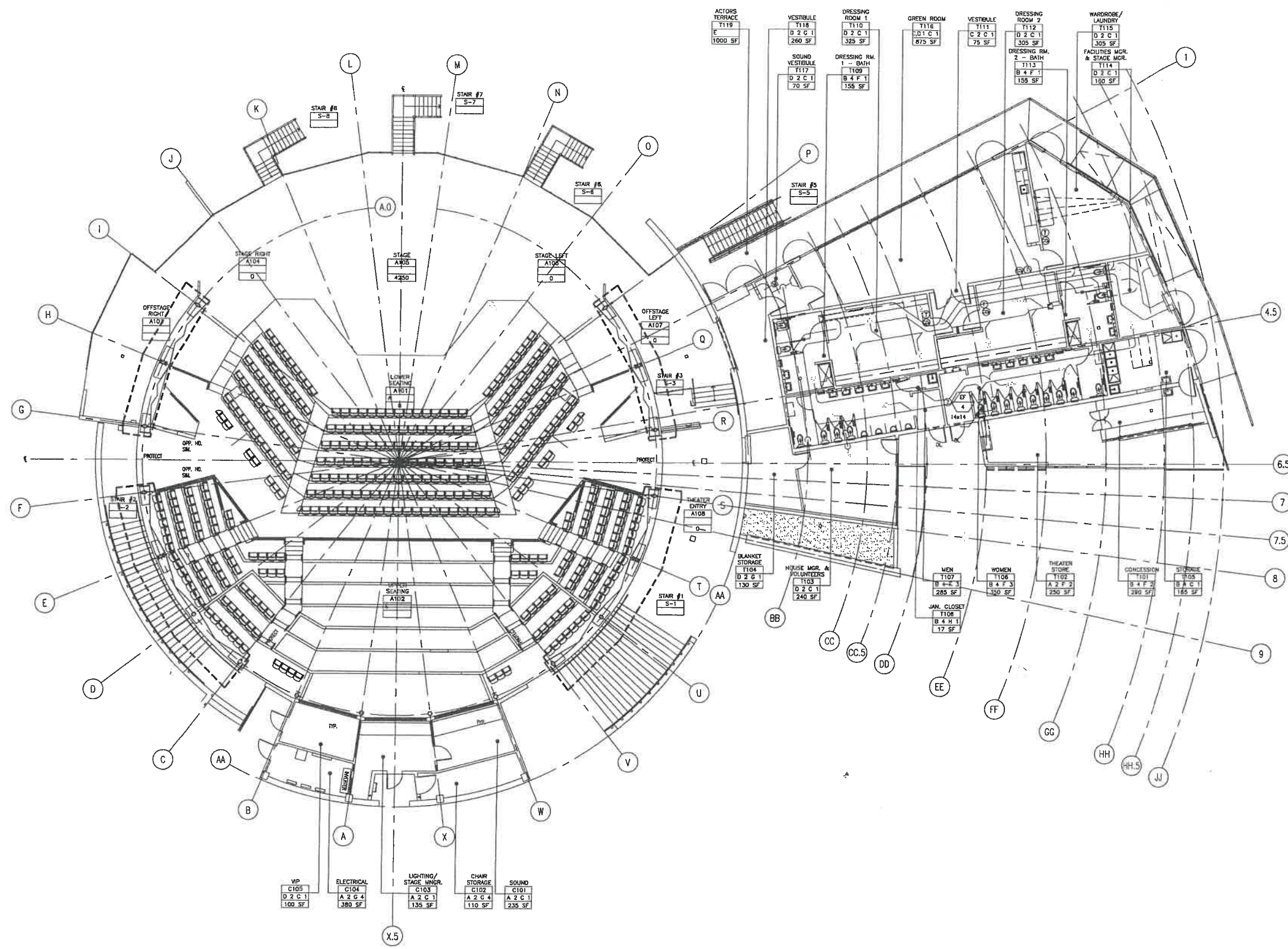
CUBOZT

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EF-4 UNIT PANEL LAYOUT DIAGRAM

First Floor



EF-4 FLOOR PLAN



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02/09/10	REVISION 1			

CALIFORNIA SHAKESPEARE THEATER PHASE-1

100 GATEWAY BLVD, ORINDA CALIFORNIA 94563

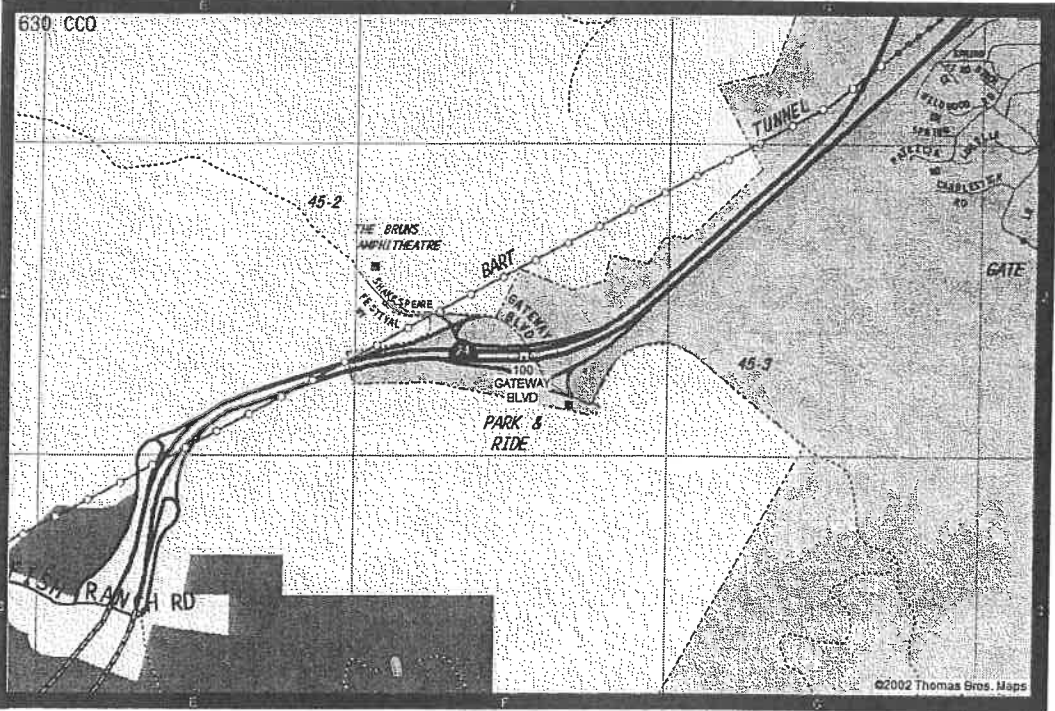
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ENERGY MANAGEMENT SYSTEM DIAGRAMS

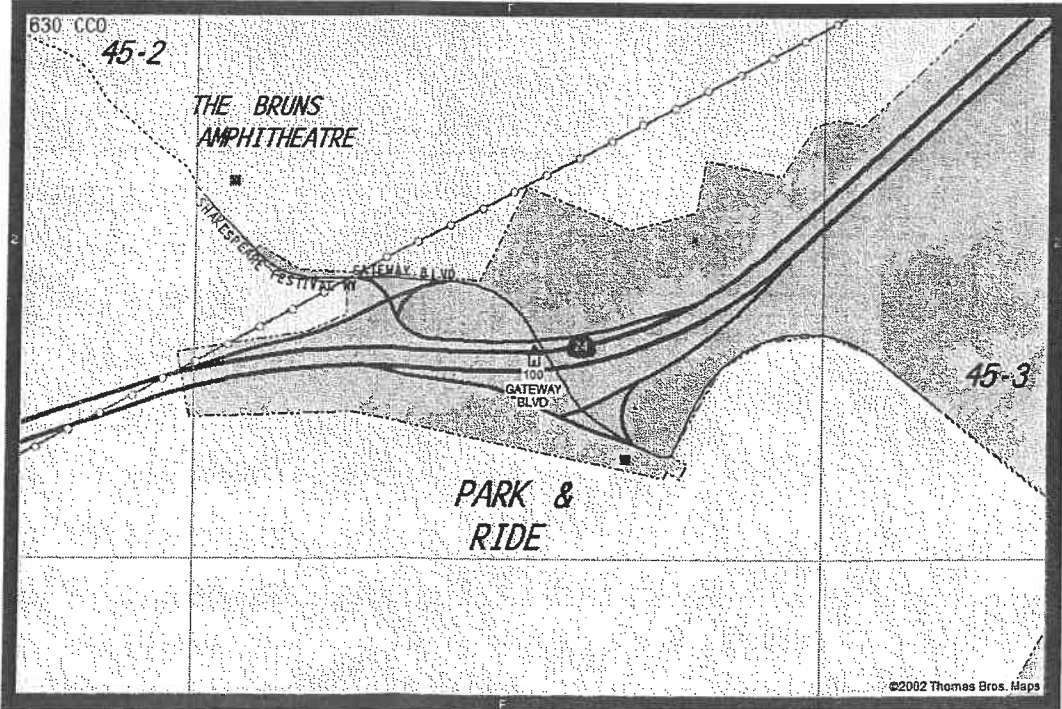
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ONLY

AREA MAP



SITE LOCATION

VICINITY MAP



DRAWING INDEX

PAGE#	DESCRIPTION
CC 0.01A	TITLE SHEET
CC 0.02	GLOBAL DEVICE ADDRESS CHART
CC 0.03	BCM GLOBAL CONTROLLER WIRING DIAGRAM
CC 0.03P	BCM GLOBAL CONTROLLER PANEL LAYOUT
CC 0.04A	BCM-ETH # 219 ADDRESS CHART
CC 0.05A	SEQUENCE OF OPERATIONS
CC 0.06	BCM-ETH # 219 CONFIGURATION SETTINGS
CC 1.01A	TYPICAL HP-1 & HP-2 UNIT WIRING CONTROL DIAGRAM
CC 1.01P	TYPICAL HP-1 & HP-2 UNIT WIRING PANEL LAYOUT
CC 1.02A	TYPICAL EF-4 UNIT WIRING CONTROL DIAGRAM
CC 1.02P	TYPICAL EF-4 UNIT WIRING PANEL LAYOUT
CC 2.01	HEAT PUMP 1 & 2 FLOOR PLAN
CC 2.02	EXHAUST FAN 4 FLOOR PLAN

VERSION: XXXXXXXXX

PROJECT
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ENERGY EFFICIENT DESIGN

SUBMITTAL / SHOP DRAWING

RETURNED HERewith, HAS BEEN REVIEWED FOR GENERAL DESIGN AND COMPLIANCE WITH CONTRACT DOCUMENTS TO THE EXTENT SHOWN. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, QUANTITIES, FIELD CONDITIONS, PERFORMANCE AND COORDINATING WITH OTHER TRADES AND IS NOT RELIEVED FROM RESPONSIBILITY FOR UNAUTHORIZED DEVIATIONS FROM CONTRACT DOCUMENTS.

SUBMISSION REVIEW:

- ☐ NO EXCEPTION TAKEN
☐ MAKE CORRECTIONS NOTED
☒ REVISE AND RESUBMIT

BY: T. Bradshaw DATE: 03/22/10

COMMENTS:

SEE SCANNED HAND WRITTEN
COMMENTS

CALIFORNIA SHAKESPEARE THEATER GLOBAL DEVICE ADDRESS MAP					
DEVICE ID	DEVICE TYPE	DESCRIPTION	USER	LOCATION	SYNERCO JOB#
0-9	Customer Equipment	RESERVED			
10	Server	RESERVED			
11-49	Customer Laptops	RESERVED			
50-99	Workstations	RESERVED			
51	DELL			LOOK AT FLOOR PLANS	
100-150	Synerco Laptops	RESERVED			
200-250	BCM'S	RESERVED			
201	BCM-ETH	Global Controller		CALIFORNIA SHAKESPEARE THEATER- ORINDA, CALIFORNIA	COB021
202	BCM-WEB	Global Controller		CALIFORNIA SHAKESPEARE THEATER- ORINDA, CALIFORNIA	COB021
300-530	Unitary Controllers	RESERVED			
1000-50000	Unitary Controllers	RESERVED			
1000-1999	VLC's	Unitary Controller		CALIFORNIA SHAKESPEARE THEATER- ORINDA, CALIFORNIA	COB021

GLOBAL DEVICE ADDRESS CHART



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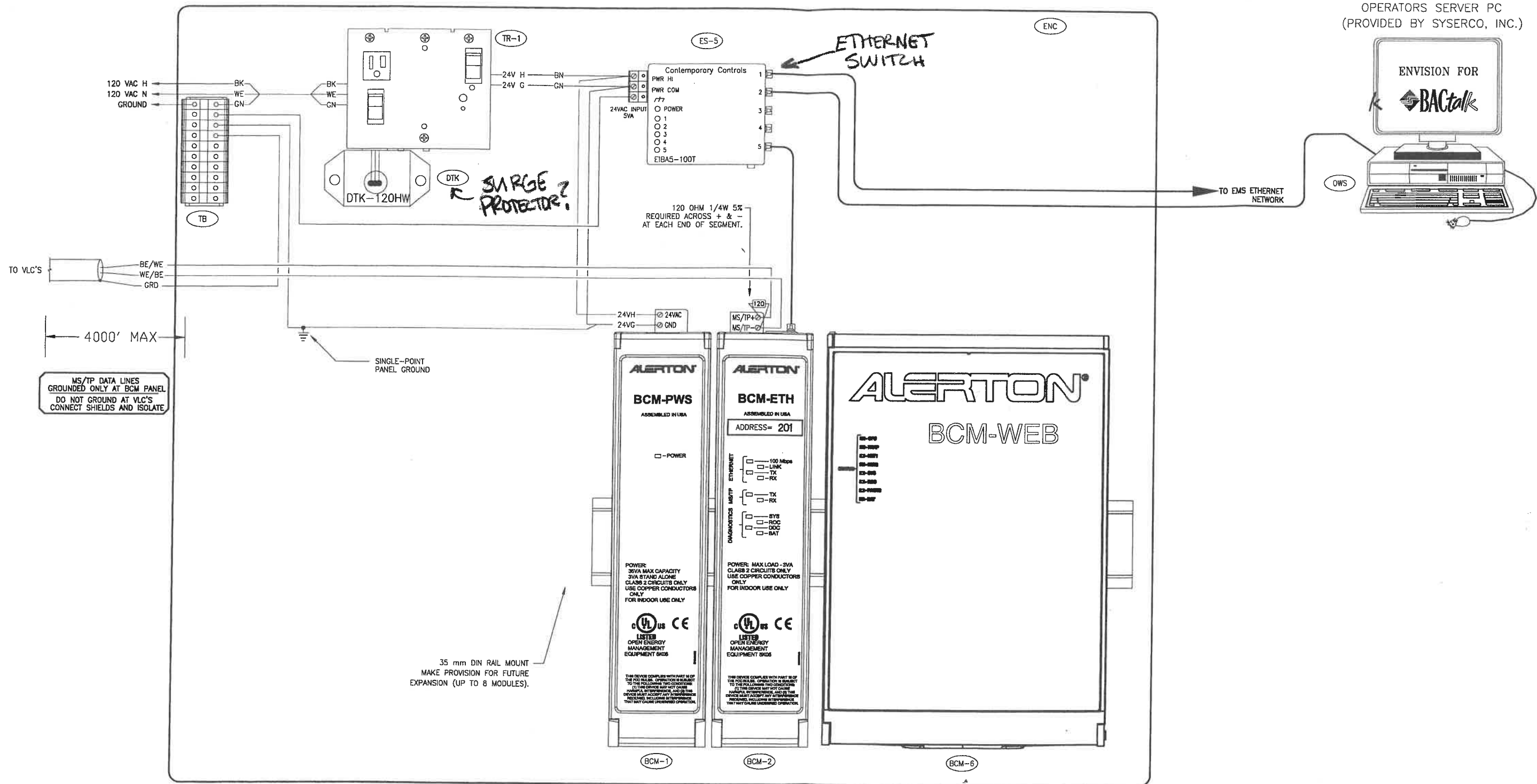
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BY	DATE	DESCRIPTION
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	03/09/10	REVISION 1

PROJECT
CALIFORNIA SHAKESPEARE- PHASE 1
100 GATEWAY BLVD, ORINDA CA 94563
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FILE
JOB NUMBER
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CC 0.02



PANEL DEVICES				
TAG	QTY	PART NUMBER	DESCRIPTION	COMMENTS
ENC	1	A24N24ALP	HOFFMAN NEMA-1 24X24 ENCLOSURE	
	1	A24N24MP	HOFFMAN 24X24 MOUNTING PLATE	
	1	A-L12-B	HOFFMAN KEY LOCK KIT FOR TCP	
BCM-1	1	BCM-PWS	ALERTON BACTalk CONTROL MODULE	POWER SUPPLY
BCM-2	1	BCM-ETH	ALERTON BACTalk CONTROL MODULE	W/1 ETHERNET LAN, 1 MS/TP LAN
BCM-6	1	BCM-WEB	ALERTON BACTalk CONTROL MODULE	128 VLC SUPPORT, WEB CAPABILITY
TR-1	1	PSH100AWB10	FUNCTIONAL DEVICES POWER SUPPLY	W/10 AMP SWITCH/BREAKER, INTERNAL WIRES
TB	10	165 113 16	ABB ENTRELEC GROUND BLOCK M4/6.P	24G (GREEN/YELLOW)
	1	103 062 21	ABB ENTRELEC FEM6 END SECTION	YELLOW
	2	103 002 26	ABB ENTRELEC BAM END STOP	GRAY
	1	176 667 04	ABB ENTRELEC ASSEMBLED JUMPER BAR	W/IP20 PROTECTION (10 POLES)
FIELD DEVICES				
OVS	1	OPTIPLEX 360	DELL DESKTOP COMPUTER	

NOT LISTED → ES-5 DTK

BCM GLOBAL CONTROLLER WIRING DIAGRAM



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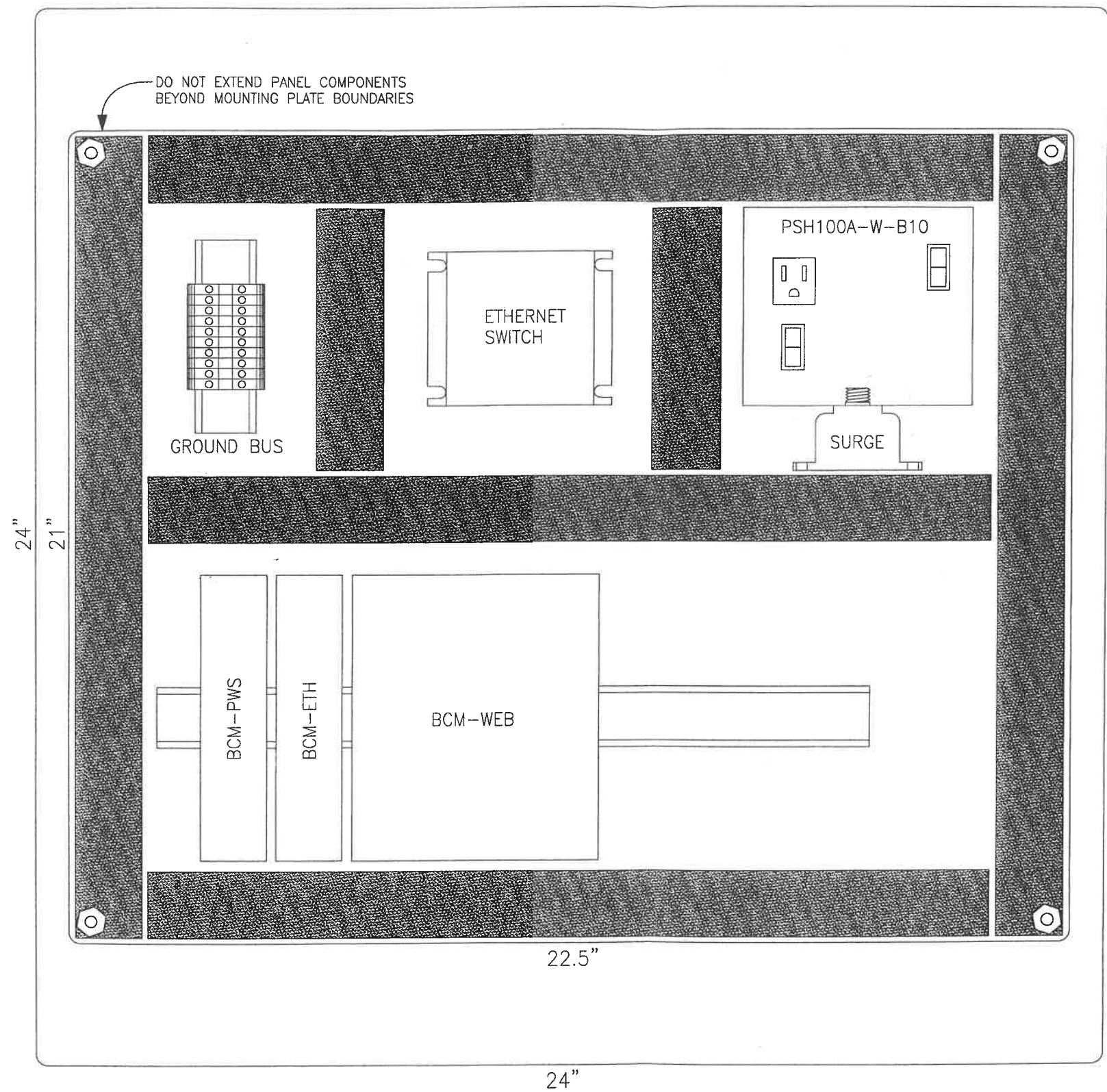
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			03/09/10	REVISION 1

PROJECT
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100 GATEWAY BLVD, ORINDA CA 94563
ALERTON[®] AUTHORIZED DEALER
BACTalk

FILE
JOB NUMBER
COB021
SHEET I.D.
CC 0.03

TYPICAL BCM GLOBAL CONTROLLER PANEL HOFFMAN MEDIUM NEMA-1 ENCLOSURE - 24"x24"



BCM GLOBAL CONTROLLER PANEL LAYOUT DIAGRAM

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BY	DATE	DESCRIPTION
AP	10/21/09	SUBMITTALS
AP	02/09/10	REVISION 1

PROJECT

CALIFORNIA SHAKESPEARE- PHASE 1

100 GATEWAY BLVD, ORINDA CA 94563

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FILE

JOB NUMBER

C0B021

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CC 0.03P

1	BCM-ETH NETWORK ADDRESS INFORMATION									
Device Instance		201								
Ethernet Network No.		10								
		Location								
		MS/TP LAN		NETWORK 2011						
Device Instance	MAC Add.	Dev. Type	Description	Serving	Blgd.	JOB NO.	INTERLOCK	DWG.		
201	127									
1101	1	VLC-651R	HP-1	DRESSING ROOM	THEATER	COB021		CC 1.01		
1102	2	VLC-651R	HP-2	DRESSING ROOM	THEATER	COB021		CC 1.01		
1103	3									
1104	4	VLC-550	EF-4	BATHROOM EXHAUST	THEATER	COB021		CC 1.02		
1105	5									
1106	6									
1107	7									
1108	8									
1109	9									
1110	10									
1111	11									
1112	12									
1113	13									
1114	14									
1115	15									
1116	16									
1117	17									
1118	18									
1119	19									
1120	20									
1121	21									
1122	22									
1123	23									
1124	24									
1125	25									
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1163	63									
1164	64									

GENERAL SUBMITTAL REVIEW NOTES:

- REVIEW 15900.1.10 SUBMITTALS, MOST OF THE REQUIREMENTS IN THIS SECTION HAVE NOT BEEN INCLUDED IN CONTROLS SUBMITTAL PACKAGE
- A PROJECT INCLUSIVE POINTS LIST MUST BE PROVIDED FOR ALL SYSTEMS CONTROLLED & MONITORED FROM GUI/BMS. RECOMMEND FOLLOWING FORMAT OF POINTS LIST SHOWN IN 15900.



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10/21/09	159 SUBMITTALS			
02/09/10	REVISION 1			

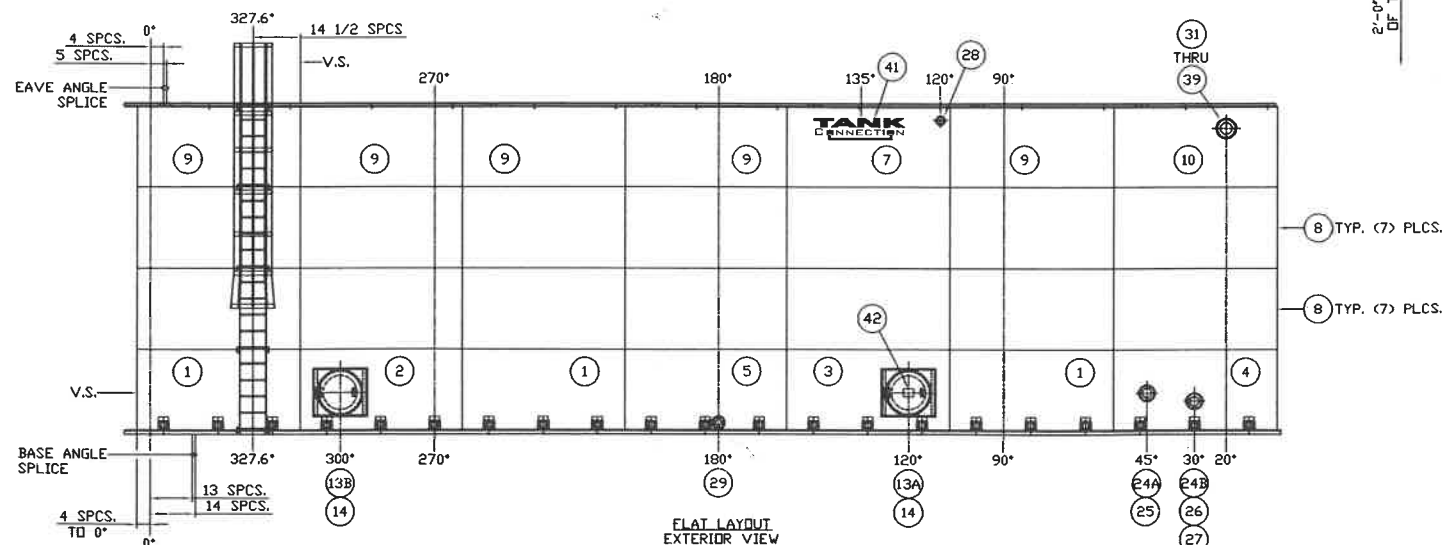
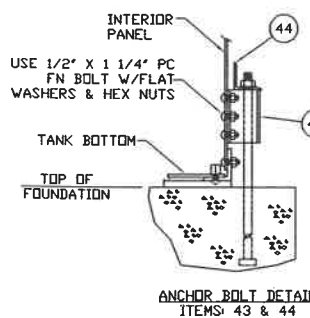
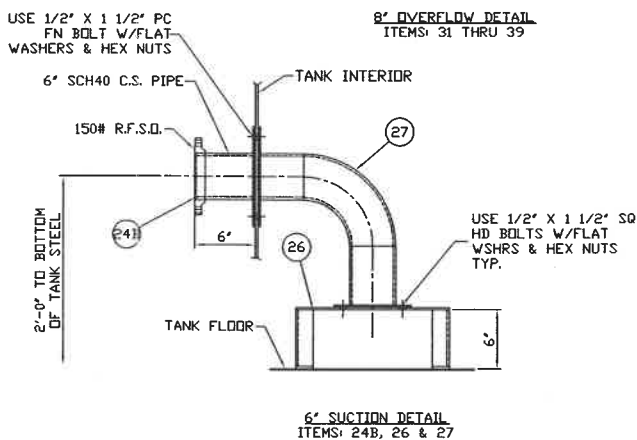
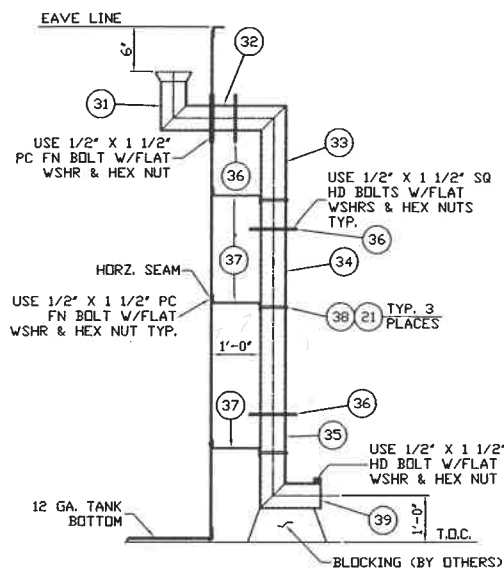
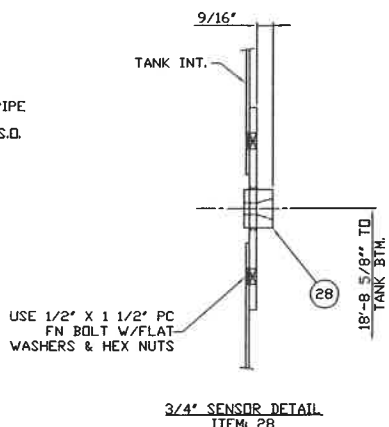
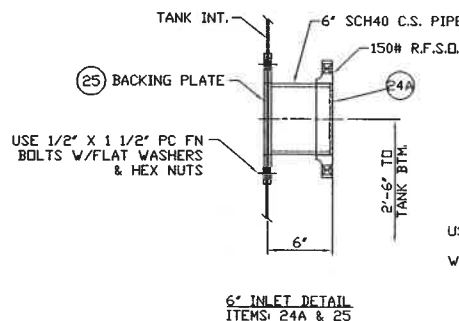
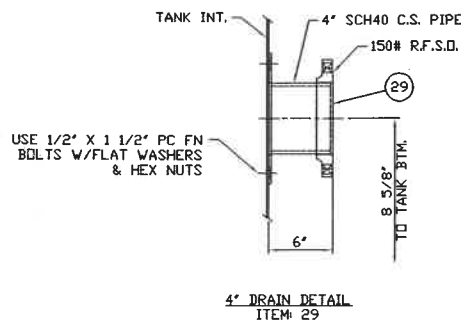
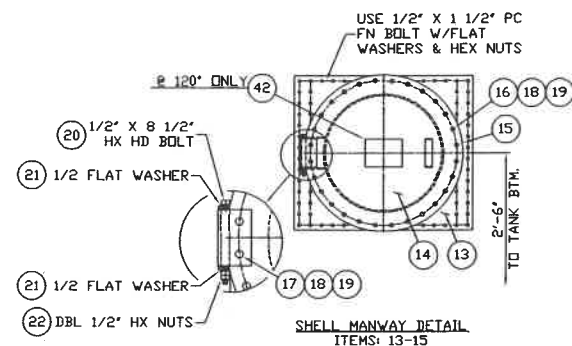
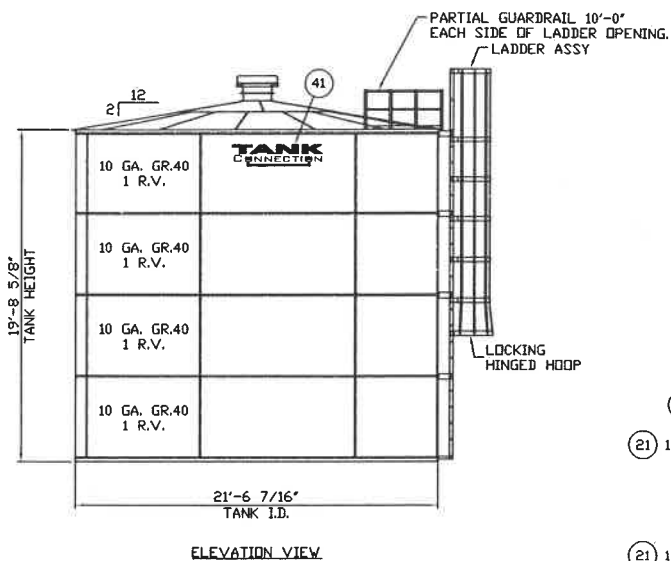
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CALIFORNIA SHAKESPEARE - PHASE 1
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BACTalk

FILE
JOB NUMBER

COB021

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CC 0.04A

ACCESSORY ORIENTATION CHART					
ITEM	SERVICE	SIZE	REF. DEGREE	RADIUS	ELEV. FROM BOTTOM OF TANK STEEL TO CTR. OF ACCESSORY UNLESS NOTED OTHERWISE
13A/14	SHELL MANWAY	24"	120	---	2'-6"
13B/14	SHELL MANWAY	24"	300	---	2'-6"
24A/25	150# R.F.S.D.-INLET NOZZLE	6"	45	---	2'-6"
24B/26/27	150# R.F.S.D.-SUCTION NOZZLE	6"	30	---	2'-0"
28	LEVEL SENSOR - HALF CPLG	3/4"	110	---	18'-5 5/8"
29	150# R.F.S.D.-DRAIN NOZZLE	4"	180	---	8 5/8"
31 - 39	OVERFLOW V/ FLAP VALVE	8"	20	---	SEE DETAIL
9	EXT. LADDER	STD.	327.6	---	---
41	TANK CONNECTION LOGO	STD.	135	---	CENTERED IN PANEL
42	NAME PLATE	STD.	120	---	CENTER OF MANWAY



ITEM NO.	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B 1255001002	3	BTM. PANEL 10GA. 1RV. GR.40 W/A.B. PCHG	270	I/E
2	B 1255001001	1	BTM. PANEL 10GA. 1RV. GR.40 W/MANWAY & A.B. PCHG.	245	I/E
3	B 1255001003	1	BTM. PANEL 10GA. 1RV. GR.40 W/MANWAY & A.B. PCHG.	245	I/E
4	B 1255001004	1	BTM. PANEL 10GA. 1RV. GR.40 W/NOZZLE PCHG.	268	I/E
5	B 1255001005	1	BTM. PANEL 10GA. 1RV. GR.40 W/NOZZLE PCHG.	269	I/E
6					
7	B 1255001010	1	TOP PANEL 10GA. 1RV. GR.40 W/RAFTER & CPLG PCHG.	268	I/E
8	BP2158521307	14	MID PANEL 10GA. 1RV. GR.40 PLAIN	270	I/E
9	B 1255001006	5	TOP PANEL 10GA. 1RV. GR.40 W/RAFTER PCHG.	270	I/E
10	B 1255001007	1	TOP PANEL 10GA. 1RV. GR.40 W/RAFTER & NOZZLE PCHG.	268	I/E
11					
12					
13	B SM242112173	2	BOLT-ON SHELL MANWAY 24" DIA 2RV	145	I/E
14	B MWC37524	2	MANWAY COVER 3/8" PL 24" DIA	96	I/E
15	B MWGSKTE2428	2	MANWAY GASKET 24" EPDM		N
16	- BLTHG07502000	57	3/4" X 2" HX HD BOLT HDG A325		N
17	- BLTHG07502500	5	3/4" X 2 1/2" HX HD BOLT HDG A325		N
18	- WSHFG0750	62	3/4" FLAT WASHER HDG F436		N
19	- NUTHG0750	62	3/4" HEX NUT HDG A325		N
20	- BLTHG05008500	2	1/2" X 8 1/2" HX HD BOLT HDG GR.5		N
21	- WSHFG0500	6	1/2" FLAT WASHER HDG		N
22	- NUTHG0500	6	1/2" HEX NUT HDG		N
23	- BLTSQJ05001500	85	BOLT 1/2" X 1 1/2" SQ HD JS500 GR. 8.2		N
24	B BNRI5006	2	6" 150# RFSO FLANGE NOZZLE 6" PROJ.	33	I/E
25	B SF0600	1	6" BACKING FLG 1/4" PL	6	I
26	B AVBX06	1	6" ANTI VORTEX BOX	23	I
27	B 1255001008	1	6" ANTI VORTEX 90° ELBOW	65	I
28	B CPHC0750	1	3/4" HALF COUPLING FLANGE PL.	3	I/E
29	B BNRI5004	1	4" 150# RFSO FLANGE NOZZLE 6" PROJ.	22	I/E
30					
31	B BINWIER	1	8" WEIR SECTION	61	I
32	B BNS08	1	8" SPOOL FLANGE NOZZLE	30	I/E
33	B QFT0840058	1	8" UPPER OVERFLOW 58" SECTION	179	E
34	B 1255001009	1	8" OVERFLOW MID. SECTION 7'-7"	231	E
35	B QFB0840058	1	8" OVERFLOW BTM. SECTION 58"	173	E
36	A EGSF0800	3	8" SPOOL GASKET EPDM		N
37	B PSBS08	3	PIPE SUPPORT BRACKET 8" HL'S STRADDLE C/L	10	E
38	- UBTFG8625	3	U-BOLT W/ NUTS 8" PIPE GALV		N
39	B CP061198019	1	8" OVERFLOW FLAP	4	E
40					
41	-	1	TC LOGO		N
42	A NMPLT1255001	1	NAMEPLATE		N
43	B ABSAD2	21	ANCHOR BOLT SADDLE FOR 7/8" BOLT	4	Z
44	B CP061006143	21	ANCHOR BOLT CLIP FOR 7/8" BOLT	3	Z

(ROLL ALL PANELS TO 21'-6 7/16" DIA.)
ASSY. WT.= 9,290#

SAFETY/OPERATIONAL NOTES:

- 1) THIS TANK IS DESIGNED FOR LOADS FROM A LIQUID PRODUCT.
- 2) DO NOT FIELD CUT ANY OPENINGS IN TANK WITHOUT WRITTEN CONSENT FROM TANK CONNECTION LLC.
- 3) WIND BRACING TO BE FURNISHED BY CUSTOMER AS REQUIRED FOR EQUIPMENT ON TOP OF TANK.
- 4) TANK FOUNDATION SHALL BE LEVEL WITHIN 1/8" IN ANY 30 FT. CIRCUMFERENCE UNDER THE SHELL. LEVELNESS ON THE CIRCUMFERENCE SHALL NOT VARY MORE THAN 1/4" FROM AN ESTABLISHED PLANE. TANK PADDING TO BE USED ON CONCRETE OR ASPHALT FOUNDATIONS. VAPOR BARRIER TO BE USED ON GRAVEL OR SAND FOUNDATIONS.
- 5) IF ANCHOR BOLTS ARE NOT PROVIDED BY TANK CONNECTION LLC OR IF TANK IS SUPPORTED BY LOAD CELLS, PROPER ANCHORING FOR ALL VIBRO AND SEISMIC LOADS IS THE RESPONSIBILITY OF THE CUSTOMER.
- 6) APPLICATION OF LOADS TO TANK FROM EQUIPMENT, OTHER THAN NOTED ON THIS DRAWING, MUST BE APPROVED IN WRITING BY TANK CONNECTION LLC PRIOR TO INSTALLATION.
- 7) THIS TANK IS DESIGNED AS AN ATMOSPHERIC UNIT THAT OPERATES ON AN EQUALIZED PRESSURE INTERNALLY AND EXTERNALLY. CUSTOMER IS TO ASSURE PROPER VENTILATION IS PROVIDED AND MAINTAINED.
- 8) TANK SHELL MUST BE ADEQUATELY BRACED DURING ERECTION TO ELIMINATE DAMAGE WHICH MAY BE CAUSED BY WIND.

ERECTION NOTES:

- 1) USE ONLY BOLTS FURNISHED WITH TANK. BOLTS MUST MEET SPECIAL HIGH STRENGTH REQUIREMENTS.
- 2) ERECT TANK SEGMENTS IN A COUNTER-CLOCKWISE DIRECTION WHEN WORKING FROM TOP DOWN. ERECT TANK SEGMENTS IN A CLOCKWISE DIRECTION WHEN WORKING FROM BOTTOM UP.
- 3) TANK SHALL BE ADEQUATELY BRACED DURING ERECTION TO ELIMINATE DAMAGE WHICH MAY BE CAUSED BY WIND.
- 4) TANK PANELS AND DECK SEGMENTS MAY BE ORIENTED TO SUIT UNLESS SPECIAL ORIENTATION IS REQUIRED.
- 5) WHEN ENCAPSULATED BOLTS ARE REQ'D, THEY ARE TO BE USED ONLY IN THE PRODUCT ZONE. ENCAPSULATED BOLTS ARE NOT SUPPLIED FOR THE DECK SEAMS UNLESS NOTED OTHERWISE.
- 6) ERECTION CONTRACTOR TO COORDINATE THE TOUCH-UP PAINTING TO ASSURE THE PROPER PAINT IS APPLIED TO INTERIOR AND EXTERIOR SURFACES. CONTRACTOR TO FOLLOW MANUFACTURER'S LABEL INSTRUCTIONS.
- 7) ADEQUATE BLOCKING SHOULD BE USED TO PROTECT PANELS IF REMOVED FROM SHIPPING PALLETS PRIOR TO ERECTION.

DESIGN CRITERIA

- 1) TANK DESIGN PER: NFPA 22-83
- 2) SEISMIC DESIGN PER: CBC - IBC 2006/ASCE 7-05, S_s=158.7X, S₁=62.75, I=1.50, CLASS D, GROUP 3
- 3) WIND DESIGN PER: CBC - IBC 2006/ASCE 7-05, 90MPH, EXP. C, I=1.15
- 4) DECK IS DESIGNED FOR 25 PSF LIVE LOAD
- 5) TANK IS DESIGNED FOR STORAGE OF FIRE PROTECTION WATER WITH A SPECIFIC GRAVITY OF 1.0
- 6) TANK CAPACITY: 51,000 GALLONS BASED ON 12" FREE BOARD
- 7) TANK WEIGHT: 16,000# EMPTY, 5X ADDED FOR HARDWARE
- 8) HARDWARE: SIDEWALL & DECK SEGMENTS: POLY CAP BOLTS W/JS500 NUTS & WASHERS
DECK STRUCTURE: SS HEX HD BOLTS W/SS HEX NUTS & SS FLAT WASHERS
FLOOR: F/N BOLTS W/JS500 NUTS, WASHERS & NUT CAPS
- 9) GASKET MATERIAL: EPDM

TANK COATINGS:

- 1) INTERIOR: LID FUSION 7000 FBE (7 MILS AVG DFT)
 - 2) BOTH SIDES OF FLAT BOTTOM LID FUSION 7000 FBE (7 MILS AVG DFT)
 - 3) EXTERIOR PRIMER: EXT FUSION 5000 FBE (3 MILS AVG DFT)
 - 4) EXTERIOR TOPCOAT: GRAY (RAL 7035) EXT FUSION SIP (3 MILS AVG DFT)
 - 5) SEALANT COLOR: GRAY
- NOTE: ALL COATINGS ARE APPLIED OVER AN SP10 SURFACE PREP AND BAKED ON

REFERENCE DRAWINGS:

- ANCHOR BOLT LAYOUT
- TANK PAD LAYOUT
- FLOOR ASSEMBLY
- DECK STRUCTURE ASSEMBLY
- DECK ASSEMBLY
- EXTERIOR LADDER ASSEMBLY
- INTERIOR LADDER ASSEMBLY
- 10' PARTIAL GUARDRAIL ASSY
- HARDWARE SHEET
- 20" VENT ASSY W/ BIRD SCREEN

- ABARC1255001
- TPLN2154
- FLOOR1255001
- DECK1255001
- DECK1255001
- EL01908
- IL01908P
- GRDP10A2154
- HRDW1255001
- VAB208

TANK CONNECTION
AFFILIATE GROUP

3609 NORTH 16TH ST. PARSONS, KANSAS 67357
620.423.3010 FAX: 620.423.3999

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B					
A	DJC	1/18/10	REVISED FOR RELEASE		
NO.	REV BY	DATE	REVISION		
CUSTOMER			OVERRA		
PROJECT NAME AND LOCATION			CALIFORNIA SHAKESPEARE THEATER, GRINDA, CA		
DWG TITLE		MAIN ASSEMBLY DETAILS			
DWN BY	MP	DWN DATE	11/01/09	JOB NO	1255
CHK BY	JA	CHK DATE	1/21/10	DWG NO	BCL0210191255001

ITEM	D/S	PART NUMBER	QTY	DESCRIPTION	MATL GR	WT	PAINT
1	-	BLTFJSC05001250	2380	1/2" X 1 1/4" PC FN JS 500 BOLT			N
2	-	BLTFJSC05001500	705	1/2" X 1 1/2" PC FN JS 500 BOLT			N
3	-	WSHFJS0500	3085	1/2" FLAT WASHER JS500			N
4	-	NUTHJS0500	3085	1/2" HEX NUT JS500			N
5	-	MANUSG	113	MANUS (GRAY) 20 OZ. TUBES			N

RING 1: 10GA 1RV		
LOCATION	DESCRIPTION	QTY
BASE L HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	315
BASE L HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	7
BASE L HORIZONTAL SPLICE BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	28
BASE L HORIZONTAL SEAM WASHERS	1/2" JS 500 FLAT WASHER	350
BASE L HORIZONTAL SEAM NUTS	1/2" JS 500 HX NUT	350
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	168
VERTICAL SEAM WASHERS	1/2" JS 500 FLAT WASHER	168
VERTICAL SEAM NUTS	1/2" JS 500 HX NUT	168
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	343
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	7
HORIZONTAL SEAM WASHERS	1/2" JS 500 FLAT WASHER	350
HORIZONTAL SEAM NUTS	1/2" JS 500 HX NUT	350
SHEET SEALANT	MANUS (TUBES)	11

RING 2: 10GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	168
VERTICAL SEAM WASHERS	1/2" FLAT WASHER	168
VERTICAL SEAM NUTS	1/2" HX NUT	168
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	343
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	7
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER	350
HORIZONTAL SEAM NUTS	1/2" HX NUT	350
SHEET SEALANT	MANUS (TUBES)	11

RING 3: 10GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	168
VERTICAL SEAM WASHERS	1/2" FLAT WASHER	168
VERTICAL SEAM NUTS	1/2" HX NUT	168
HORIZONTAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	343
HORIZONTAL SEAM LAP BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	7
HORIZONTAL SEAM WASHERS	1/2" FLAT WASHER	350
HORIZONTAL SEAM NUTS	1/2" HX NUT	350
SHEET SEALANT	MANUS (TUBES)	11

TOP RING: 10GA. 1RV		
LOCATION	DESCRIPTION	QTY
VERTICAL SEAM BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	168
VERTICAL SEAM WASHERS	1/2" JS 500 FLAT WASHER	168
VERTICAL SEAM NUTS	1/2" JS 500 HX NUT	168
EAVE L HORIZ. SEAM BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	315
EAVE L HORIZ. SEAM LAP BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	7
EAVE L SPLICE BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	28
EAVE L HORIZ. SEAM WASHERS	1/2" JS 500 FLAT WASHER	350
EAVE L HORIZ. SEAM NUTS	1/2" JS 500 HX NUT	350
SHEET SEALANT	MANUS (TUBES)	11

MISCELLANEOUS HARDWARE & GASKET		
LOCATION	DESCRIPTION	QTY
24" SHELL MANWAY BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	172
SIDEWALL NOZZLE & CPLG BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	72
PIPE SUPPORT BRACKET BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	12
ANCHOR BOLT SADDLE BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	126
ACCESSORY WASHERS	1/2" FLAT WASHER JS 500	382
ACCESSORY NUTS	1/2" HX NUT JS 500	382
SHEET SEALANT	MANUS (TUBES)	5

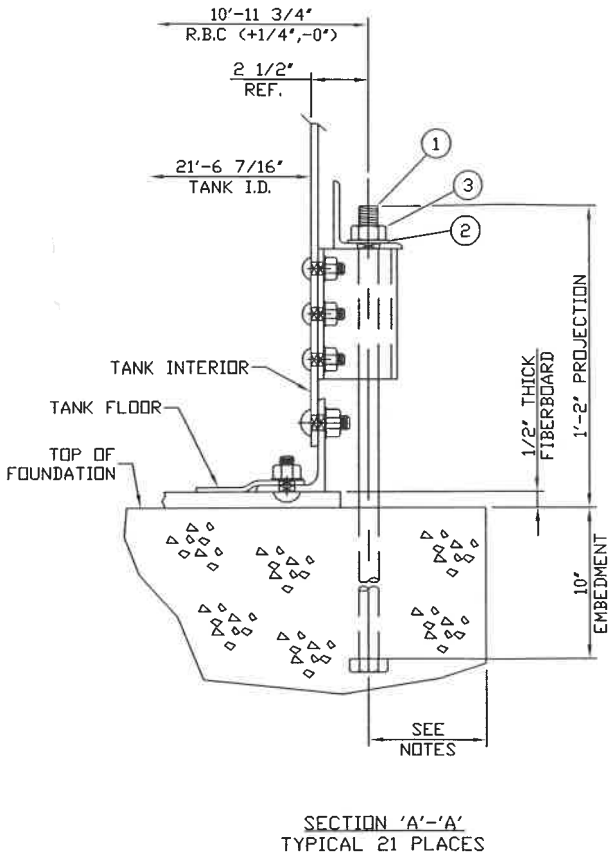
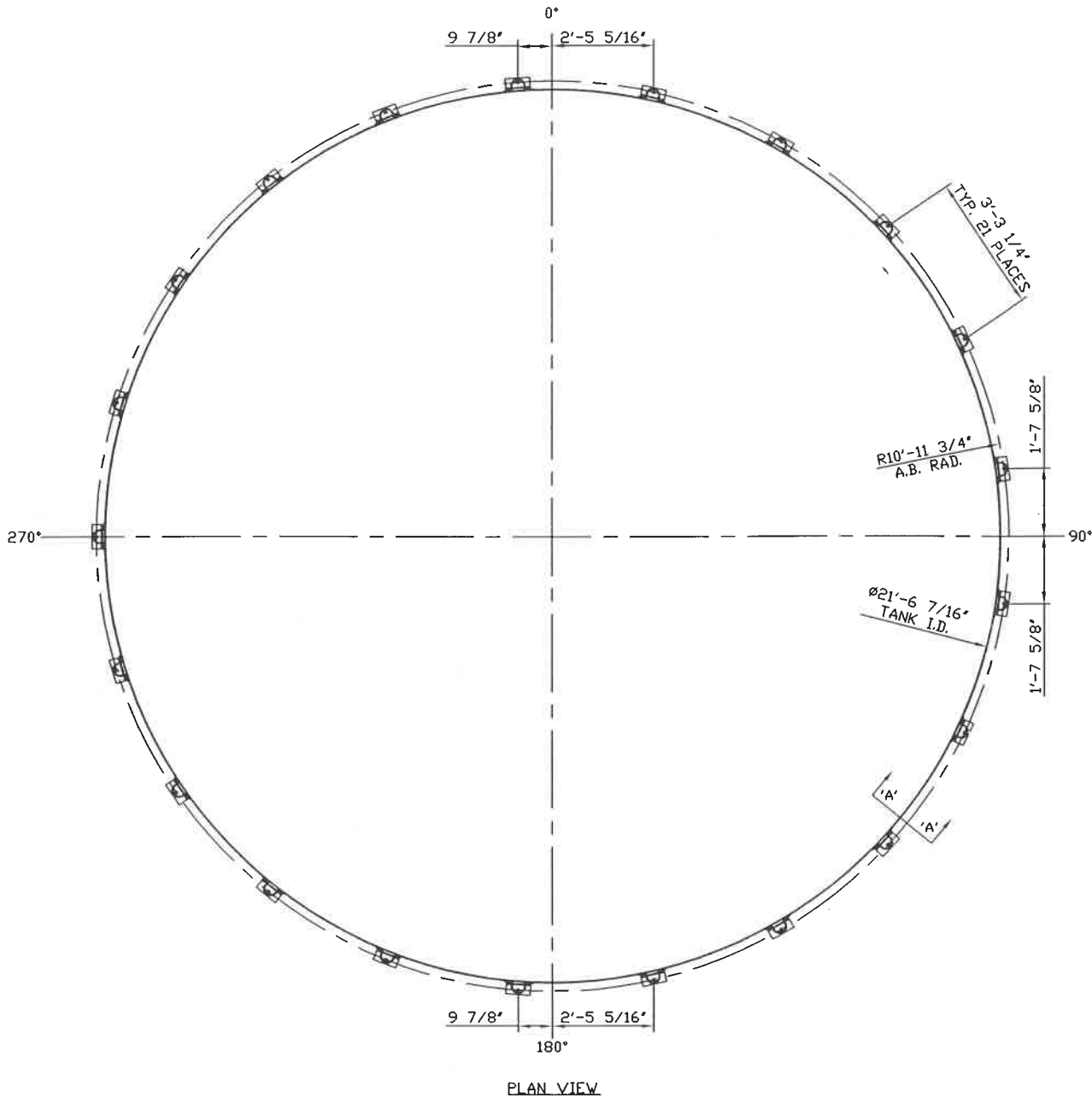
FLOOR SEALANT		
LOCATION	DESCRIPTION	QTY
SHEET SEALANT	MANUS (TUBES)	54

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E					DRAWN BY:	DJC	HARDWARE SHEET		
D					DATE:	1/19/10			
C					REVIEWED BY:	---			
B					DATE:	----	SCALE: NTS	DRAWING NO.	HRDW1255001
A									
REV	REVISION	DATE	BY	APP					

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	-	ABH30708752400	21	ANCHOR BOLT HX HD 7/8" X 24" LG.		Z
2	-	WSHFGG20875	21	WASHER FLAT 7/8" HDG GR2		Z
3	-	NUTHG0875	21	NUT HEX HD 7/8" HDG A325		Z



- NOTES:
- 1) DIMENSIONS SHOWN ARE TO THE NEAREST 1/16".
 - 2) PEEN THREADS OF THE ANCHOR BOLT AFTER TIGHTENING.
 - 3) FOUNDATION TO BE LEVEL +/-1/8" IN ANY 30' CIRCUMFERENCE UNDER THE SHELL AND +/-1/4" FROM A PLANE ON THE TOTAL CIRCUMFERENCE.
 - 4) ANCHOR BOLT DESIGN PER AISC PART 4, GRADE A193-B7. EMBEDMENT DESIGN PER ACI 349 APP B AND ACI 355, MINIMUM CONCRETE F'c =3000PSI.
 - 5) TO DEVELOP ANCHOR BOLT STRENGTH, FOUNDATION SHALL BE DESIGNED TO PROVIDE MINIMUM AREA AROUND ANCHOR BOLTS AS INDICATED.
 - 6) THE MINIMUM EDGE DISTANCE BETWEEN THE ANCHOR BOLT AND EDGE OF FOUNDATION TO BE DETERMINED BY THE FOUNDATION DESIGNER.

CAST-IN-PLACE ANCHOR BOLT TOLERANCE	
PROJECTION	+/- 1/4"
CHORD	+/- 1/8"
PLUMBNESS	3 DEG. FROM VERTICAL

REF. ACI 355

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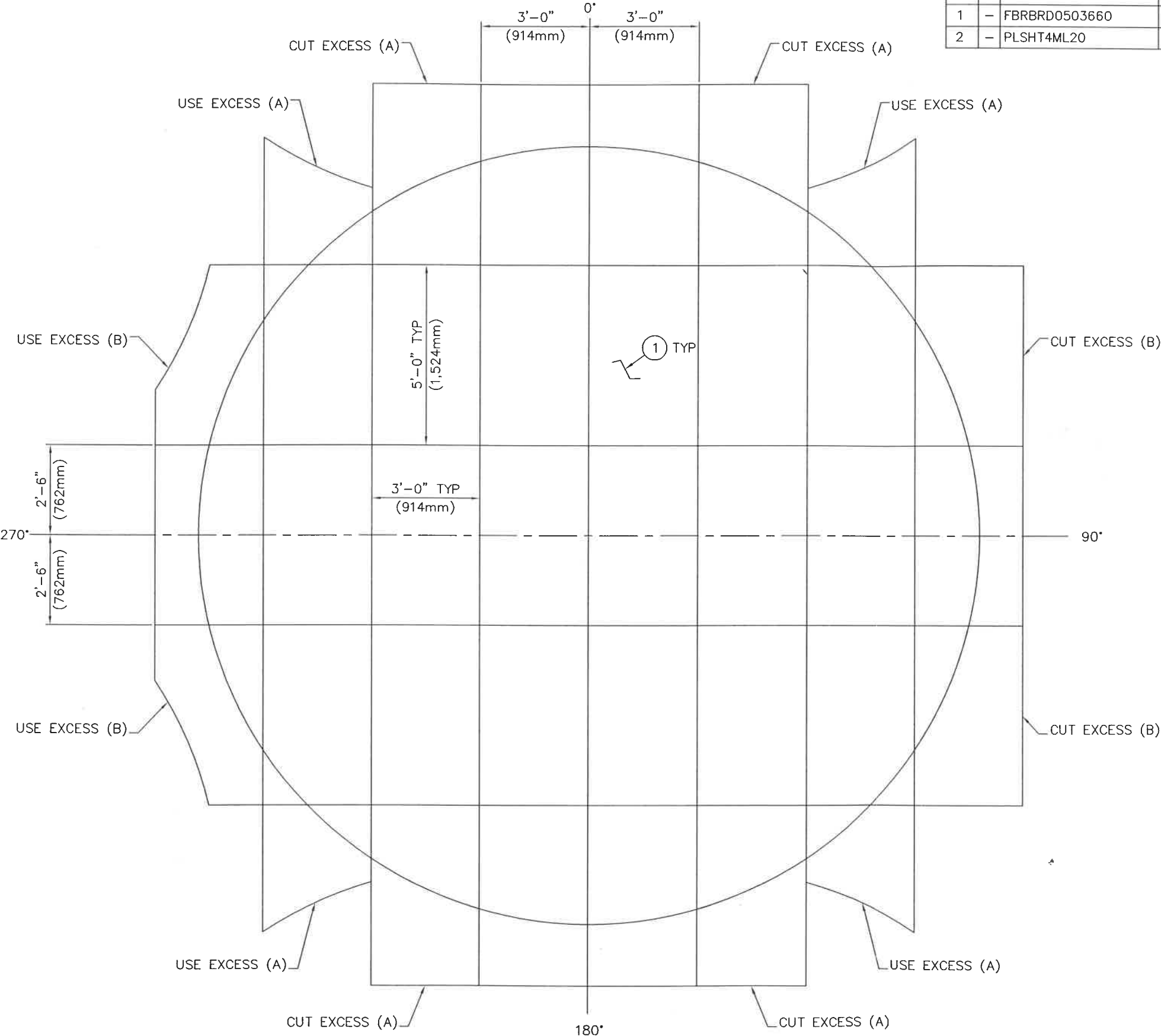
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D					DATE:	1/14/10
C					REVIEWED BY:	JA
B					DATE:	1/21/10
A					SCALE: NTS	DRAWING NO.
REV	REVISION	DATE	BY	APP		ABARC1255001

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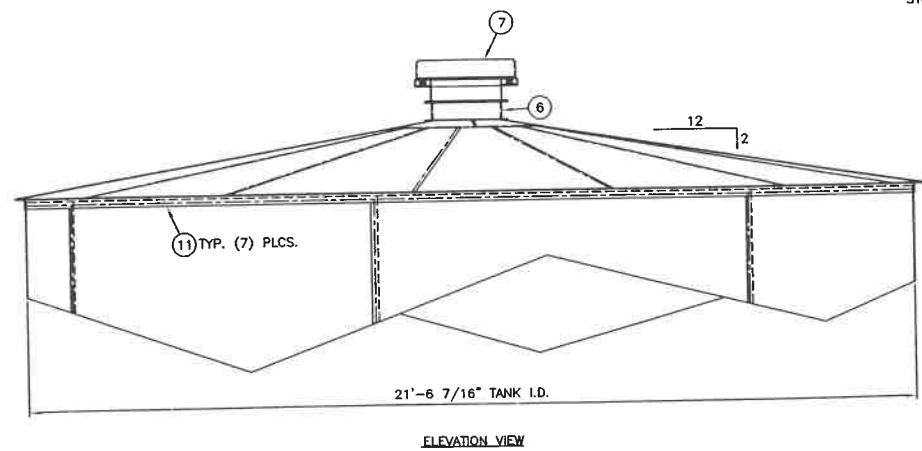
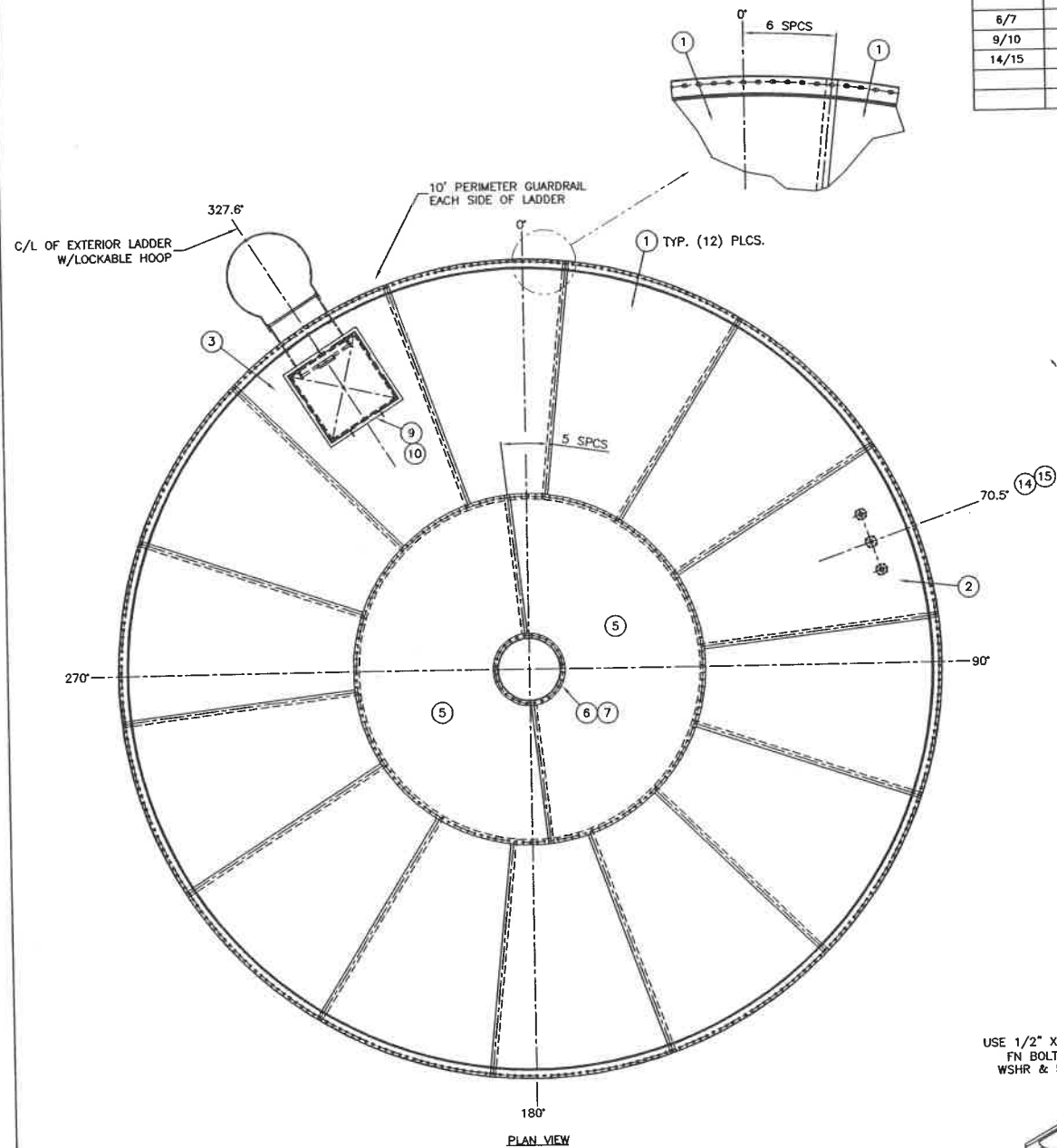
ANCHOR BOLT LAYOUT FOR Ø21' TANK

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	-	FBRBRD0503660	30	FIBERBOARD 1/2" X 36" X 60"		N
2	-	PLSHT4ML20	46	LIN. FT. PLASTIC SHEETING 4 MIL THK. 20'-0" WIDTH		N

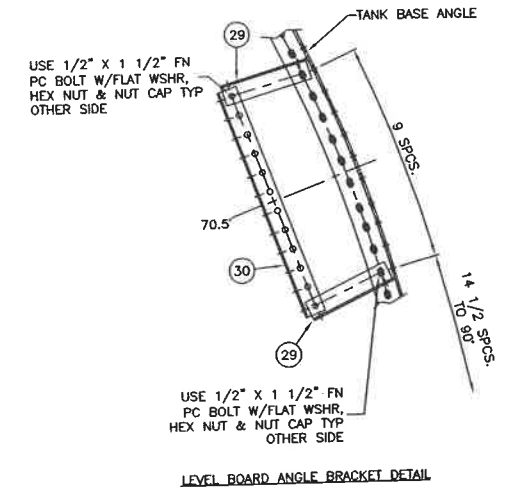
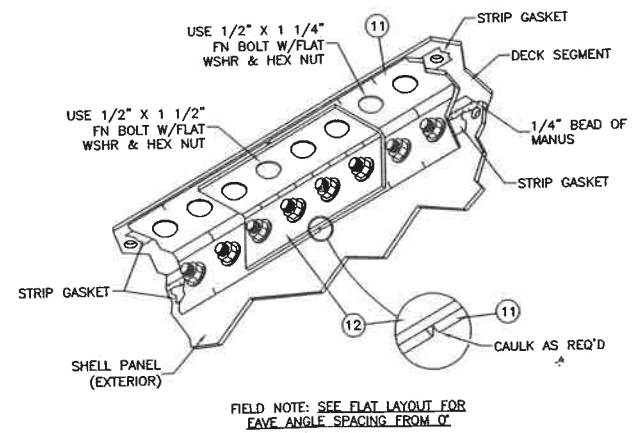
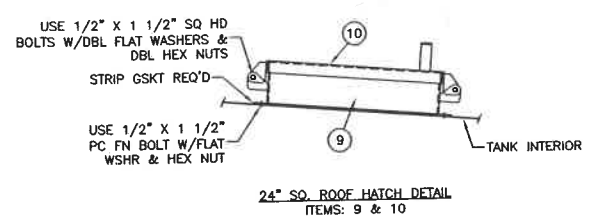
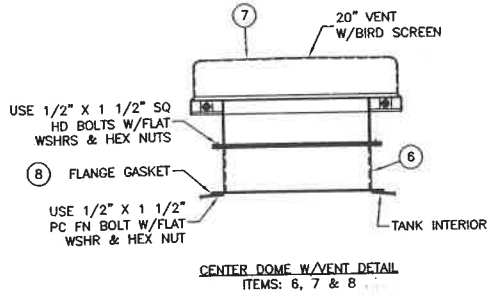
FIELD NOTE: PLACE LAYER
OF PLASTIC SHEETING
UNDER FIBER BOARD.



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							DATE:		3/20/08							
							REVIEWED BY:		DJC							
							DATE:		3/27/08		SCALE: NTS		DRAWING NO.		TPLN2154	
							REV		REVISION			DATE		BY		APP
E																
D																
C																
B																
A																



ACCESSORY ORIENTATION CHART					
ITEM	SERVICE	SIZE	REF DEGREE	RADIUS	ELEV. FROM BOTTOM OF TANK STEEL TO CTR. OF ACCESSORY UNLESS NOTED OTHERWISE
6/7	VENT W/ BIRD SCREEN	20"	CENTER	CENTER	---
9/10	ROOF HATCH	24" SQ.	327.6	9'-1"	---
14/15	LIQUID LEVEL INDICATOR	STD	70.5	9'-9 1/4"	---
	EXTERIOR LADDER	STD.	327.6	---	---
	INTERIOR LADDER	STD	327.6	---	---



ITEM #/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B BD2120010	12	DECK SEGMENT 12GA. OUTER PLAIN	102	I/E
2	B BD2120013	1	DECK SEGMENT 12GA. OUTER W/L.L.I. PCHG	101	I/E
3	B BD2120012	1	DECK SEGMENT 12GA. OUTER W/ROOF HATCH PCHG	85	I/E
4					
5	B BD2120011	2	INNER SEGMENT 12GA. 1/2 SECT.	150	I/E
6	B CP061212044	1	CENTER DOME 20" I.D. 1/4PL 2B/28 HL	49	I/E
7	B VAB20B	1	20" VENT W/BIRD SCREEN ASSY	56	I/E
8	B GSKTE20PRV	1	20" GASKET 28 HL EPDM		N
9	B BCSMWN24232	1	24" SQ MNWY NECK ASSY BOLT-ON	43	I/E
10	B WCSMWC24	1	24" SQ MNWY COVER ASSY	46	I/E
11	B BLE071122	7	EAVE ANGLE L3" X 3" X 1/4"	46	E
12	B ESP303025	7	EAVE ANGLE SPLICE PLATE 12GA	2	E
13					
14	- 1255001099	1	LIQUID LEVEL INDICATOR FOR 19'-8 5/8" HT. TANK		
15	-		HARDWARE KIT FOR LEVEL INDICATOR		
16					
17	- BLTFJSC05001250	687	1/2" X 1 1/4" PC FN JS500 BOLT		N
18	- BLTFJSC05001500	97	1/2" X 1 1/2" PC FN JS500 BOLT		N
19	- BLTFJSC05001250	339	1/2" X 1 1/4" FN JS500 BOLT		N
20	- BLTFJSC05001500	47	1/2" X 1 1/2" FN JS500 BOLT		N
21	- WSHFJS0500	1174	1/2" FLAT WASHER JS500		N
22	- NUTHJS0500	1174	1/2" HEX NUT JS500		N
23	- BLTSQJS05001500	3	1/2" X 1 1/2" SQ HEAD BOLT JS500 GR.8.2		N
24					
25					
26	- STRPGSKTEPDM232	312	LN. FT. 1 3/4" WIDE STRIP GASKET EPDM 2.32" C/C		N
27	- MANUSG	8	MANUS GRAY (20 OZ. TUBES)		N
28	- HNVNCHGSKTWHIT	35	HVY NOTCH GASKET EPDM		N
29	A CP061402014	2	LEVEL IND BRACKET L2" X 2" X 3/16" X 8 11/16"	2	I
30	A CP061198029	1	LEVEL IND ANGLE L2" X 2" X 3/16" X 23 1/2"	5	I

DECK: 12GA.		
LOCATION	DESCRIPTION	QTY
CENTER DOME BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	26
CENTER DOME LAP BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	2
CENTER DOME WASHERS	1/2" FLAT WASHER JS 500	28
CENTER DOME NUTS	1/2" HX NUT JS 500	28
ADAPTOR PLATE BOLTS	1/2" X 1 1/4" PC FN JS 500 BOLT	176
ADAPTOR PLATE LAP BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	16
ADAPTOR PLATE WASHERS	1/2" FLAT WASHER JS 500	192
ADAPTOR PLATE NUTS	1/2" HX NUT JS 500	192
ADAPTOR PLATE GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	37
OUTER SEGMENT RADIAL SEAM	1/2" X 1 1/4" PC FN JS 500 BOLT	448
OUTER TO EAVE ANGLE	1/2" X 1 1/4" FN JS 500 BOLT	308
OUTER TO EAVE ANGLE LAP	1/2" X 1 1/2" FN JS 500 BOLT	14
OUTER TO EAVE ANGLE SPLICE	1/2" X 1 1/2" FN JS 500 BOLT	28
OUTER TO EAVE ANGLE WASHERS	1/2" FLAT WASHER JS 500	798
OUTER TO EAVE ANGLE NUTS	1/2" HX NUT JS 500	798
OUTER SEGMENT GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	228
DECK TO EAVE ANGLE GASKET	HEAVY NOTCH GASKET EPDM	32
EDGE SEALANT	MANUS (TUBES)	7
ROOF HATCH TO DECK BOLTS	1/2" X 1 1/2" PC FN JS 500 BOLT	44
ROOF HATCH TO DECK WASHERS	1/2" FLAT WASHER JS 500	44
ROOF HATCH TO DECK NUTS	1/2" HX NUT JS 500	44
ROOF HATCH TO DECK GASKET	STRIP GASKET 1 3/4" WIDE EPDM (FEET)	18
ROOF HATCH HINGE BOLTS	1/2" X 1 1/2" SQ HD BOLT JS500	2
ROOF HATCH HINGE WASHERS	1/2" FLAT WASHER JS500	4
ROOF HATCH HINGE NUTS	1/2" HX NUT JS500	4

NOTE: EDGE SEAL AT ALL BOLTED CONNECTIONS.

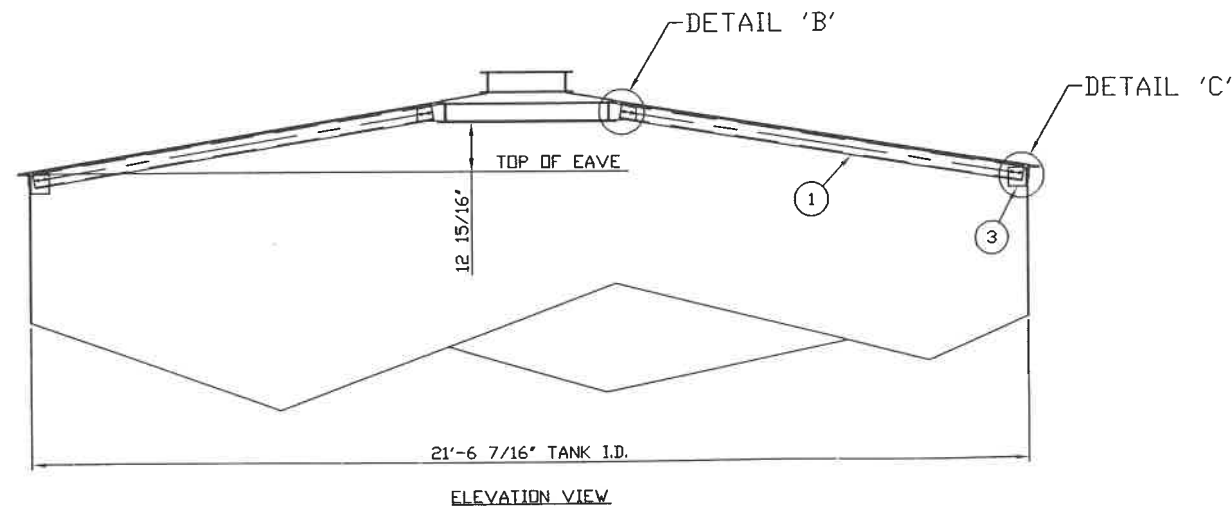
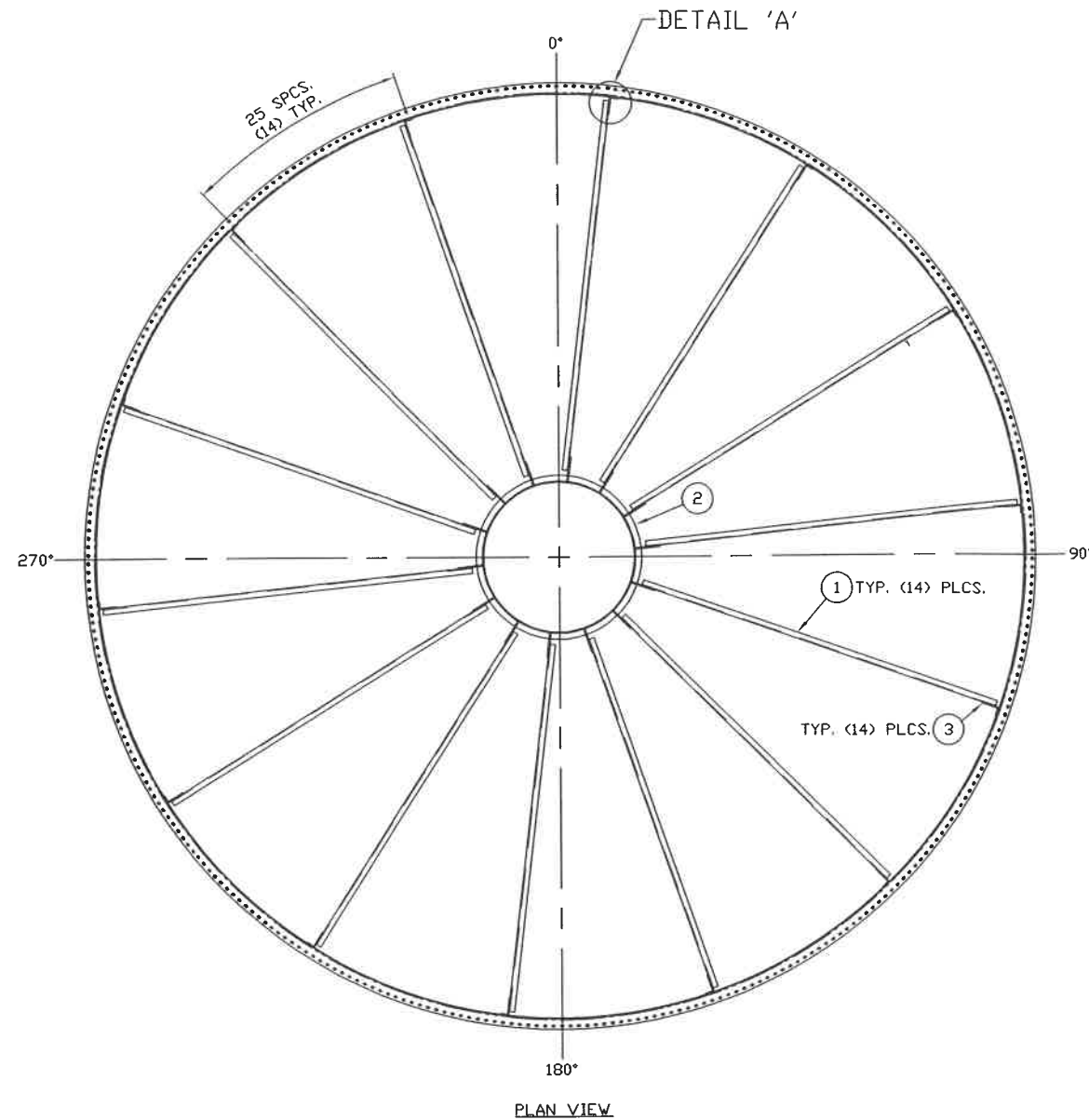
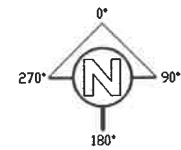
NOTE: SEE FLAT LAYOUT FOR SIDEWALL DETAILS

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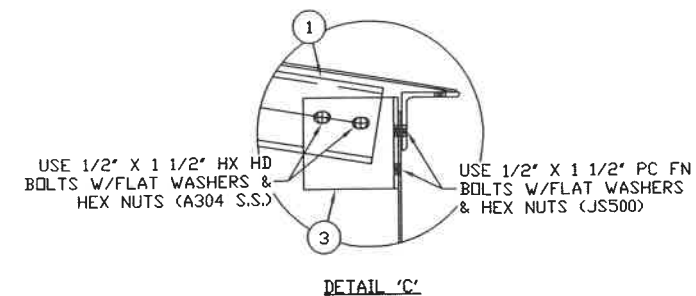
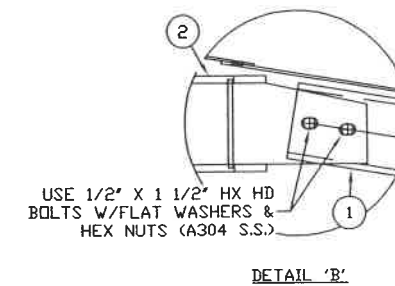
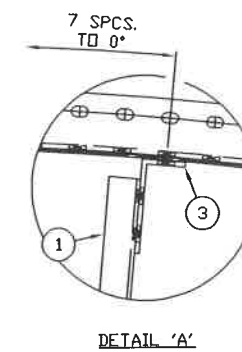
E					
D					
C					
B					
A					
REV	REVISION	DATE	BY	APP	

DRAWN BY:	DJC	DECK ASS'Y FOR
DATE:	1/18/10	21'-6 7/16" TANK
REVIEWED BY:	JA	
DATE:	1/21/10	SCALE: NTS
		DRAWING NO.
		DECK1255001



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	CP061402016	14	C4 X 5.4# X 105 1/8" LG.	47	I
2	B	RS4214	1	14 CLIP RAFTER RING	136	I
3	B	70094011	14	1/4" PL. RAFTER CLIP	2	I
4	-	BLTHS05001500	62	1/2" X 1 1/2" SS HX HD BOLTS A304		N
5	-	WSHFS0500	62	1/2" SS FLAT WASHER A304		N
6	-	NUTHS0500	62	1/2" SS HEX NUT A316		N
7	-	BLTFJSC05001500	31	1/2" X 1 1/2" PC FN JS500 BOLT		N
8	-	WSHFJS0500	31	1/2" FLAT WASHER JS500		N
9	-	NUTHJS0500	31	1/2" HEX NUT JS500		N

ASSY. WEIGHT= 822#



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TANK CONNECTION

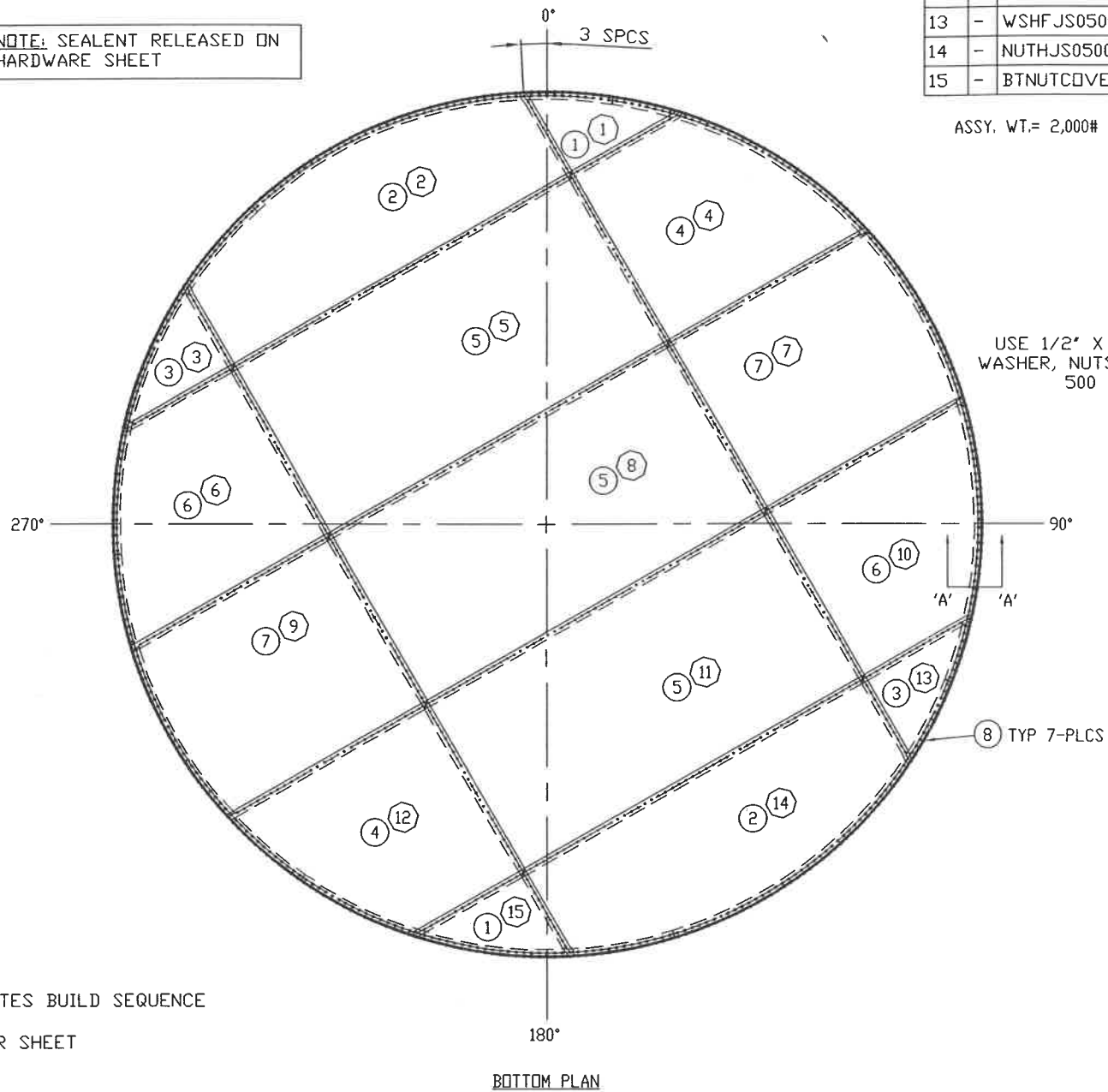
REV	REVISION	DATE	BY	APP

DRAWN BY:	DJC
DATE:	1/18/10
REVIEWED BY:	JA
DATE:	1/21/10

#2154' C4 X 5.4# DECK STRUCTURE ASSY.
SCALE: NTS
DRAWING NO.
DCKA12SS001

BOTTOM 12 GA.		
LOCATION	DESCRIPTION	QTY
BOTTOM SEAM BOLTS	1/2" X 1 1/4" FN JS 500 BOLT	570
BOTTOM SEAM NUTS	1/2" HEX NUT JS 500	570
BOTTOM SEAM NUT CAP	1/2" NUT CAP	570
BOTTOM SEAM FLAT WASHER	1/2" FLAT WASHER JS500	570
BOTTOM BASE ANGLE BOLTS	1/2" X 1 1/4" FN JS 500 BOLT	310
BOTTOM SEAM, BASE ANGLE LAP BOLTS	1/2" X 1 1/2" FN JS 500 BOLT	12
BOTTOM BASE ANGLE SPLICE BOLTS	1/2" X 1 1/2" FN JS 500 BOLT	28
BOTTOM BASE ANGLE NUTS	1/2" HEX NUT JS500	350
BOTTOM BASE ANGLE NUT CAP	1/2" NUT CAP	350
BOTTOM BASE ANGLE FLAT WASHER	1/2" FLAT WASHER JS500	350
SHEET SEALANT	MANUS (TUBES)	23
NUT CAP SEALANT	MANUS (TUBES)	20
BASE ANGLE SEALANT	MANUS (TUBES)	11

NOTE: SEALANT RELEASED ON
HARDWARE SHEET



ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	BF2100001	2	BOTTOM SEGMENT 12 GA.	20	I
2	B	BF2100002	2	BOTTOM SEGMENT 12 GA.	135	I
3	B	BF2100003	2	BOTTOM SEGMENT 12 GA.	20	I
4	B	BF2100004	2	BOTTOM SEGMENT 12 GA.	101	I
5	B	BF0000000	3	BOTTOM SEGMENT 12 GA.	210	I
6	B	BF2100005	2	BOTTOM SEGMENT 12 GA.	101	I
7	B	BF2100006	2	BOTTOM SEGMENT 12 GA.	126	I
8	B	BLB071321	7	BASE ANGLE L3 1/2" X 2 1/2" X 1/4"	48	E
9	B	BASI35025025	7	INTERIOR BASE ANGLE SPLICE PLATE	1	I
10	B	BASE35025025	7	EXTERIOR BASE ANGLE SPLICE PLATE	2	E
11	-	BLTJS05001250	968	1/2" X 1 1/4" FN JS500 BOLT		N
12	-	BLTJS05001500	44	1/2" X 1 1/2" FN JS500 BOLT		N
13	-	WSHFJS0500	1012	1/2" FLAT WASHER JS500		N
14	-	NUTHJS0500	1012	1/2" HEX NUT JS500		N
15	-	BTNUTCOVER1200BK	1012	1/2" NUT CAP		N

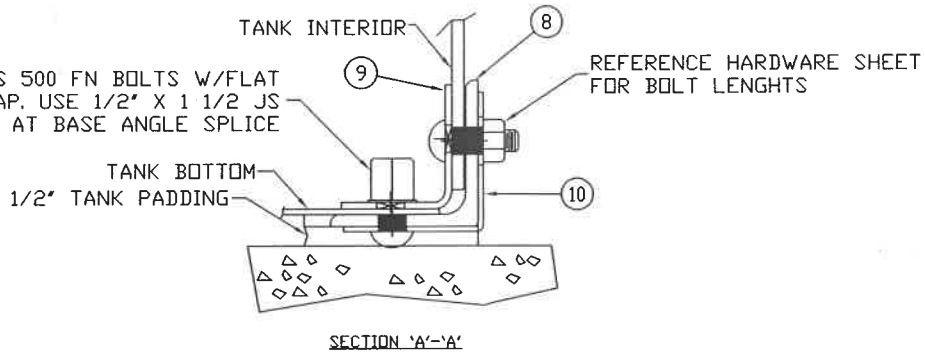
ASSY. WT.= 2,000#

NOTE: USE SEALANT AT ALL
BOLTED CONNECTIONS (TYP).

FIELD NOTE: SEE FLAT LAYOUT FOR
BASE ANGLE SPACING FROM 0°

NOTE: FILL NUT CAP
1/2 FULL OF MANUS
BEFORE INSTALLING

USE 1/2" X 1 1/4" JS 500 FN BOLTS W/FLAT
WASHER, NUTS & NUTCAP. USE 1/2" X 1 1/2 JS
500 FN BOLTS AT BASE ANGLE SPLICE



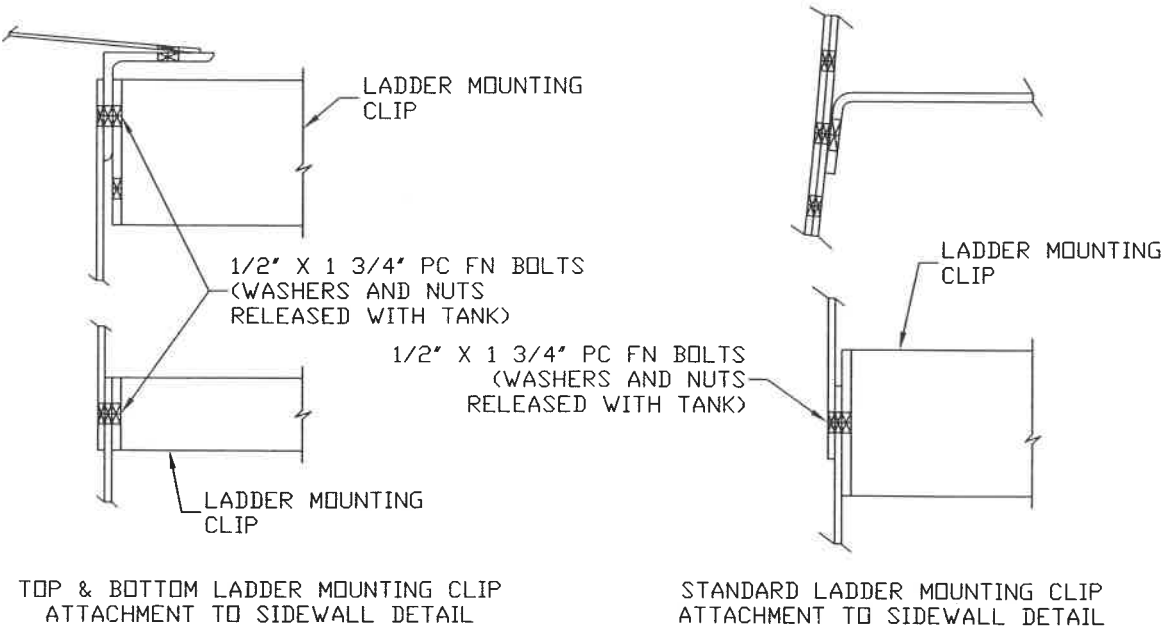
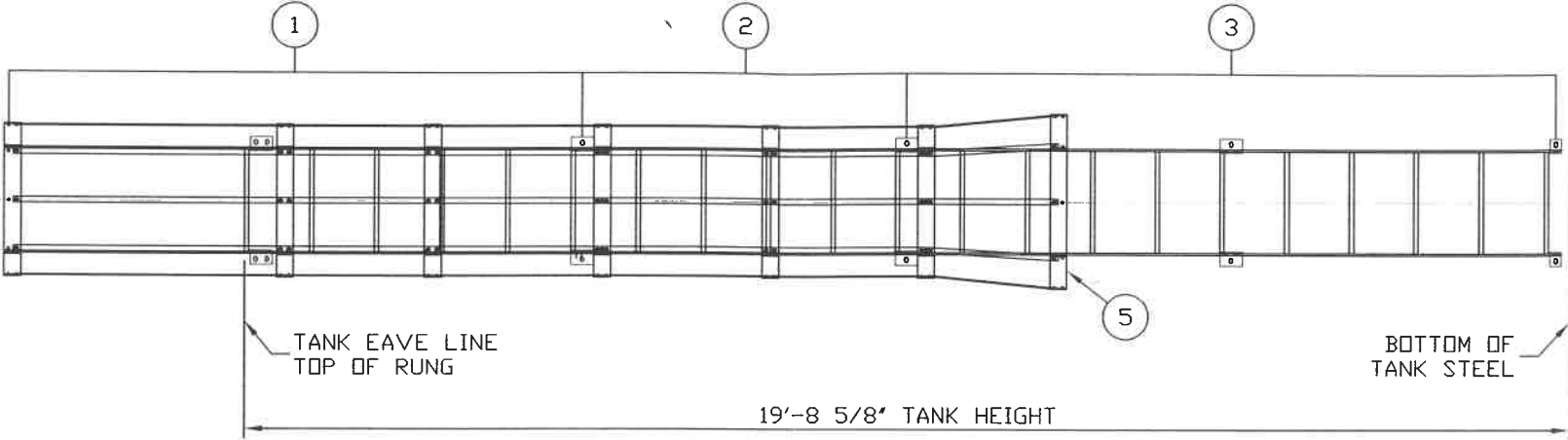
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WRITTEN CONSENT OF TANK MANUFACTURER.

TANK
CONNECTION
AFFILIATE GROUP

E					DRAWN BY:	DJC	FLOOR ASS'Y FOR 21'-6 7/16" TANK		
D					DATE:	1/18/10			
C					REVIEWED BY:	---	SCALE: NTS DRAWING NO. FLOOR1255001		
B					DATE:	---			
A									
REV		REVISION	DATE	BY	APP				

ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	LSA005	1	58" TOP SECTION ASSEMBLY	156	Z
2	B	LSA006	1	58" MID SECTION ASSEMBLY	91	Z
3	B	LSA008	1	STANDARD RING LADDER ASSEMBLY	133	Z
4	-	BLTFJSC05001750	11	1/2" X 1 3/4" PC FN JS 500		N
5	B	LKDRASSY	1	LADDER LOCKABLE DOOR ASSY - AL	9	N

ASSEMBLY WEIGHT= 389 LBS



ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.

MATERIALS OF CONSTRUCTION:
ALL MATERIALS ARE A1011 GR36 (A36) AND AS BELOW UNLESS NOTED OTHERWISE:
3/8PL X 2 1/2" STRINGERS
3/4" ROUND BAR RUNGS
3/16PL X 3" WIDE HOOPS
3/16PL X 1" CAGE BARS

LADDER IS OSHA COMPLIANT

LADDER IS HOT DIPPED GALVANIZED

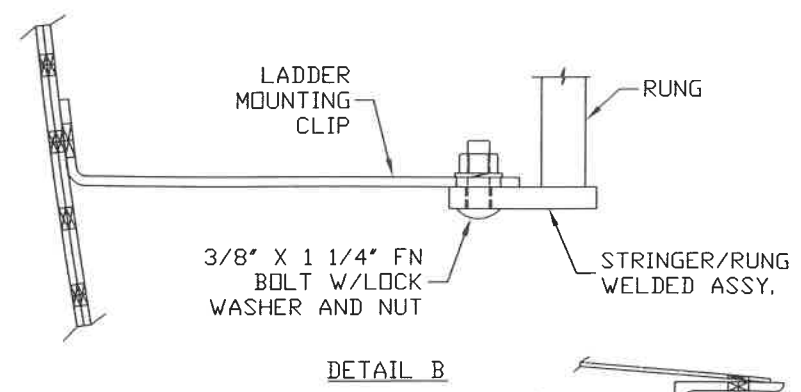
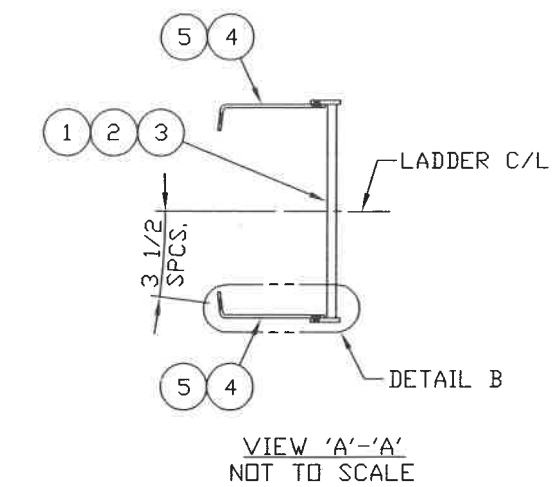
FOR ADDITIONAL ASSEMBLY DETAILS REFERENCE DRAWINGS:
LSA005
LSA006
LSA007
LKDRASSY

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E					
D					
C					
B					
A	UPDATED BOARDER	12/11/09	JA	DJC	
REV	REVISION	DATE	BY	APP	

DRAWN BY:	MM	19'-8 5/8" LADDER ASSEMBLY			
DATE:	4/23/08				
REVIEWED BY:	MB				
DATE:	5/12/08	SCALE: NTS	DRAWING NO.	EL01908	

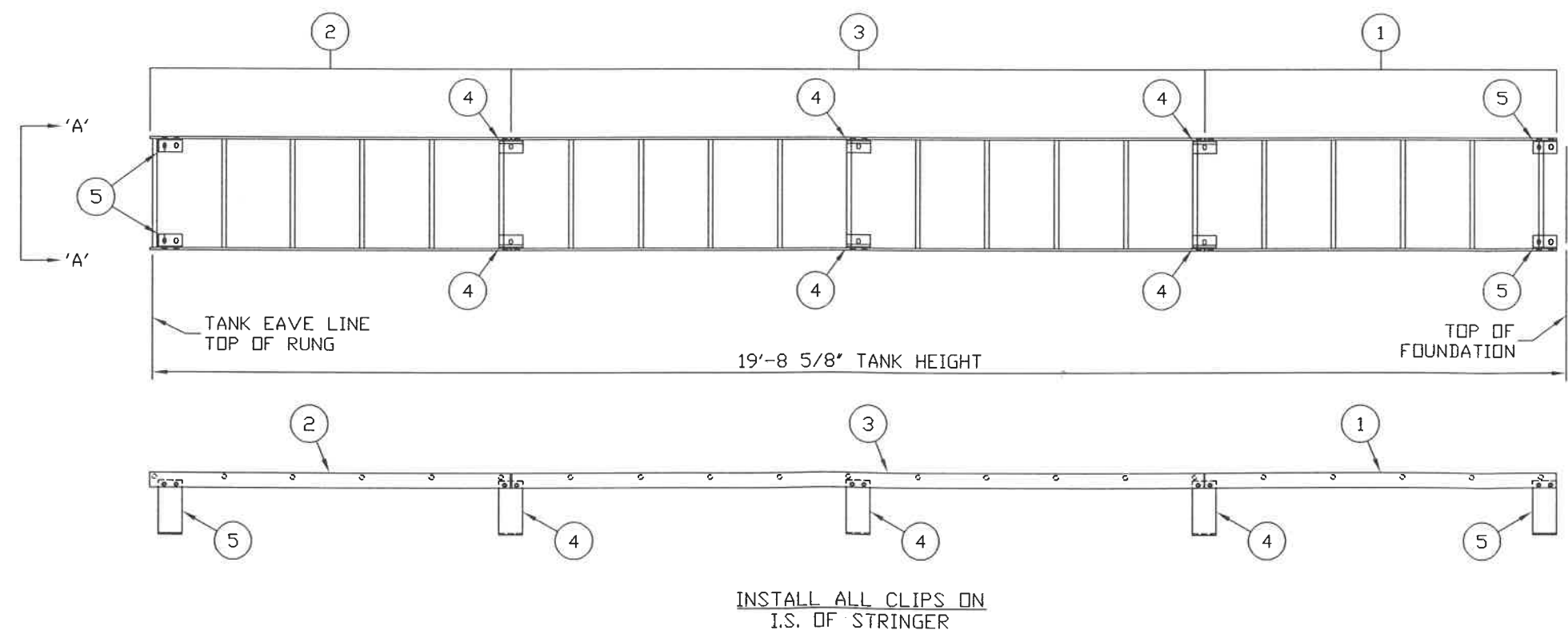
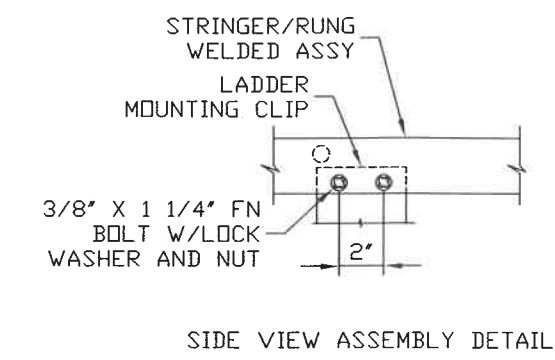
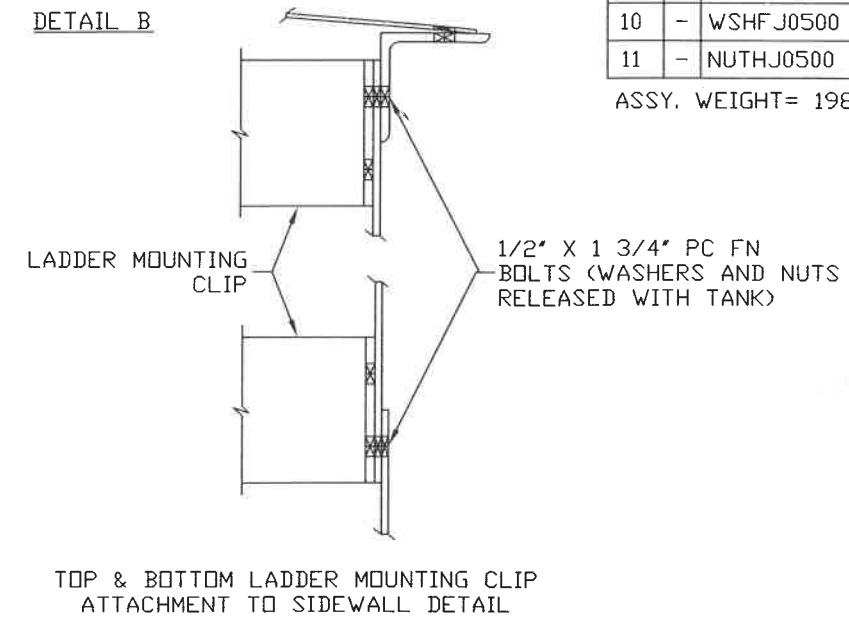
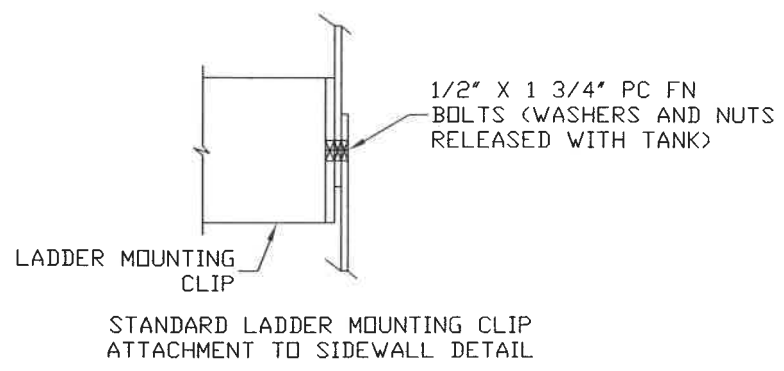


ITEM	D/S	PART NO.	QTY	DESCRIPTION	EST. WT.	PAINT
1	B	712889022	1	LOWER STRINGER/RUNG ASSEMBLY	42	I
2	B	712889020	1	UPPER STRINGER/RUNG ASSEMBLY	44	I
3	B	712889021	1	MID STRINGER/RUNG ASSEMBLY	82	I
4	B	LCP4	6	LADDER MOUNTING CLIP	3	I
5	B	LCP5	4	LADDER MOUNTING CLIP	3	I
6	-	BLTFG03751250	21	3/8" X 1 1/4" FN BOLT HDG		
7	-	NUTHG0375	21	3/8" NUT HEX		
8	-	WSHLG0375	21	3/8" LOCK WASHER HDG		
9	-	BLTFJSC05001750	11	1/2" X 1 3/4" PC FN JS500 BOLT		
10	-	WSHFJ0500	11	1/2" FLAT WASHER JS500		
11	-	NUTHJ0500	11	1/2" HEX NUT JS500		

ASSY. WEIGHT= 198#

ASSEMBLY NOTE:
INITIALLY ASSEMBLE UTILIZING LOOSE FIT CONNECTIONS. INSTALL AND ALIGN ALL PARTS BEFORE FULLY TIGHTENING HARDWARE.

MATERIALS OF CONSTRUCTION:
MATERIALS ARE A1011 GR36 (A36)
3/8" PL X 2 1/2" STRINGERS
3/4" ROUND BAR RUNGS



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E						DRAWN BY:	JA	19'-8 5/8" INT. LADDER ASSEMBLY		
D						DATE:	12/11/09			
C						REVIEWED BY:	DJC	SCALE: NTS DRAWING NO. IL01908P		
B						DATE:	12/14/09			
A										
REV		REVISION		DATE	BY	APP				



PERSPECTIVE

CALIFORNIA SHAKESPEARE THEATER

701 HEINZ AVENUE, BERKELEY, CALIFORNIA 94710

100% DESIGN DEVELOPMENT | 12 MAY 2008

REVISED TICKET BOOTH A0.3

LEDDY MAYTUM STACY ARCHITECTS

677 HARRISON STREET

SAN FRANCISCO, CA 94107

T 415 495 1700

F 415 495 1717

FEB. 3, 2010

$$1/8^{99} = 1^9 - 0^{99}$$

- GUTTER
- STANDING SEAM MTL. ROOF

SEAM, TYP.
1(.C.

S.S. CABLES, TYP, S.S.D.

OPEN BTWN. CABLES, TYP.

SEE 7/A4.2
FOR PNL. LAYOUT & DR. LOCATION

GATE: EXIT LOOP, S.E.D.
GATE: SAFETY LOOP, —
S.E.D.

CONC. PAVING,
S.L.D.

GATE CENTRAL LOOP,
S.E.D.

SPLASH BLOCK S.P.D.

WORKSURFACE AND
CASEWORK ABOVE &
BELOW COUNTER, N.I.C.

COMPOSITE PAPER RESIN
TRANSACTION COUNTER

GROMMET, TYP.

~~SLIDING/FOLDING DOOR,
STACKED~~

~~PTD. ALUM. DOUBLE
HUNG WINDOWS~~
FLOOR RECESSED GUIDE
TRACK

EDGE OF ROOF ABOVE

WD. BENCH, S.L.D.

CONC. RETAINING WALL
S.C.D. & S.L.D.

(N) SITE FENCE TO
CONNECT TO
EXISTING FENCE
BEYOND

HINGE POST @
PEDESTRIAN GATE

—MANUAL
PEDESTRIAN GATE

- DROP-OFF

PLAN $\frac{1}{4}" = 1'-0"$

CALIFORNIA
SHAKESPEARE THEATER
ORINDA, CALIFORNIA

No REVISION DATE

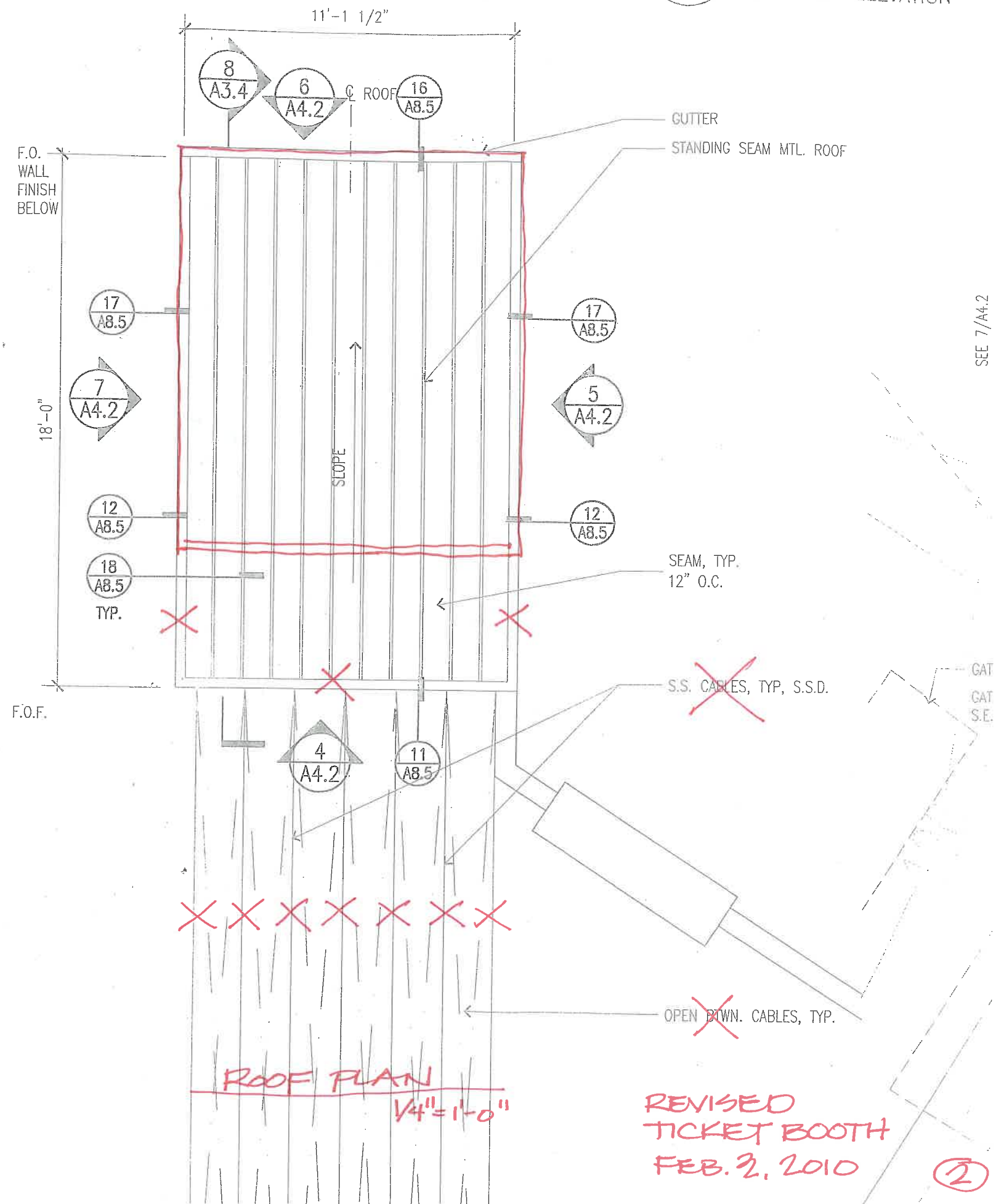
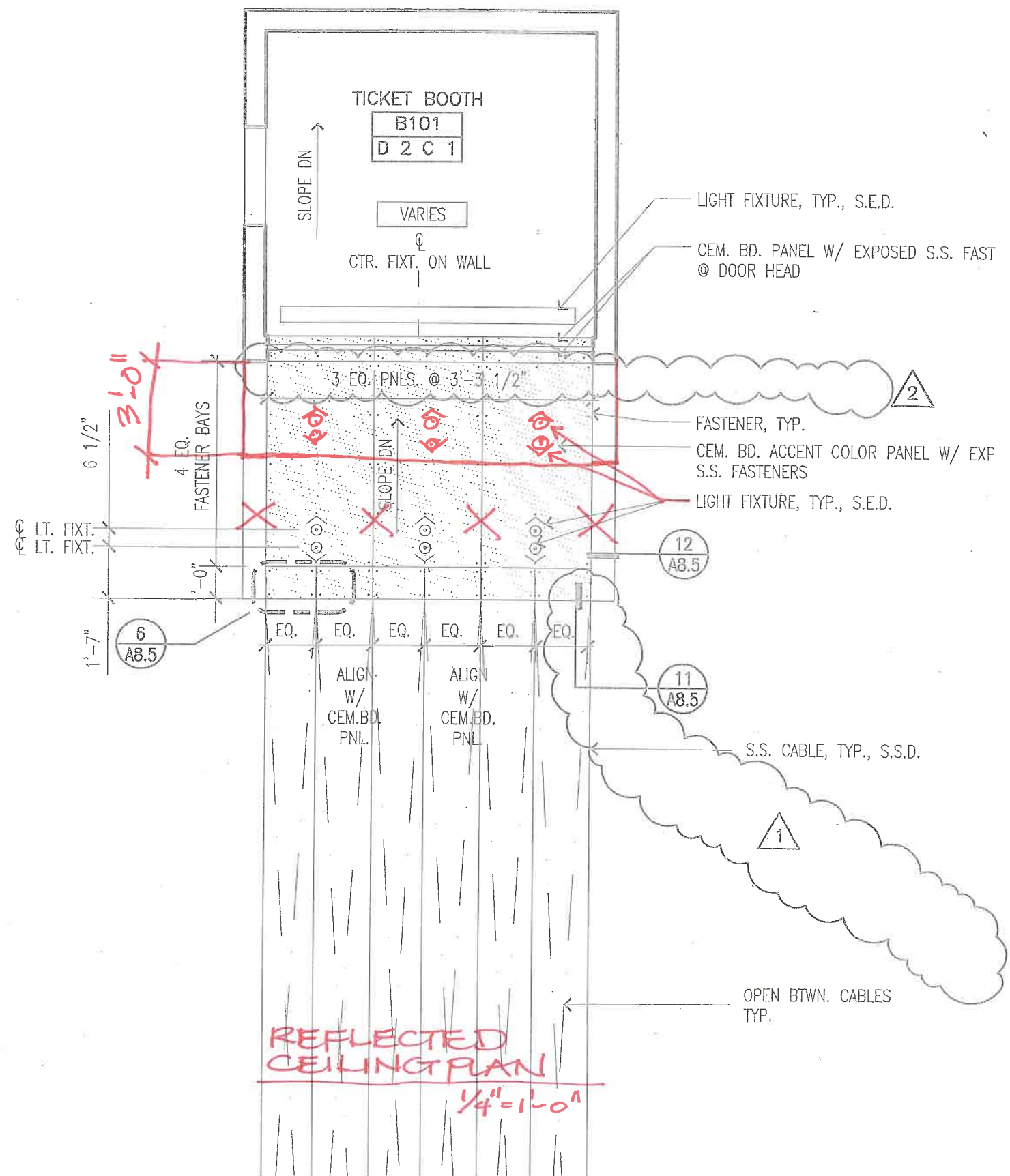
1 BID SET 10.23.08

2 BID ADDENDUM #1 11.10.08

REVISED TICKET BOOTH

FEB. 3, 2010

①

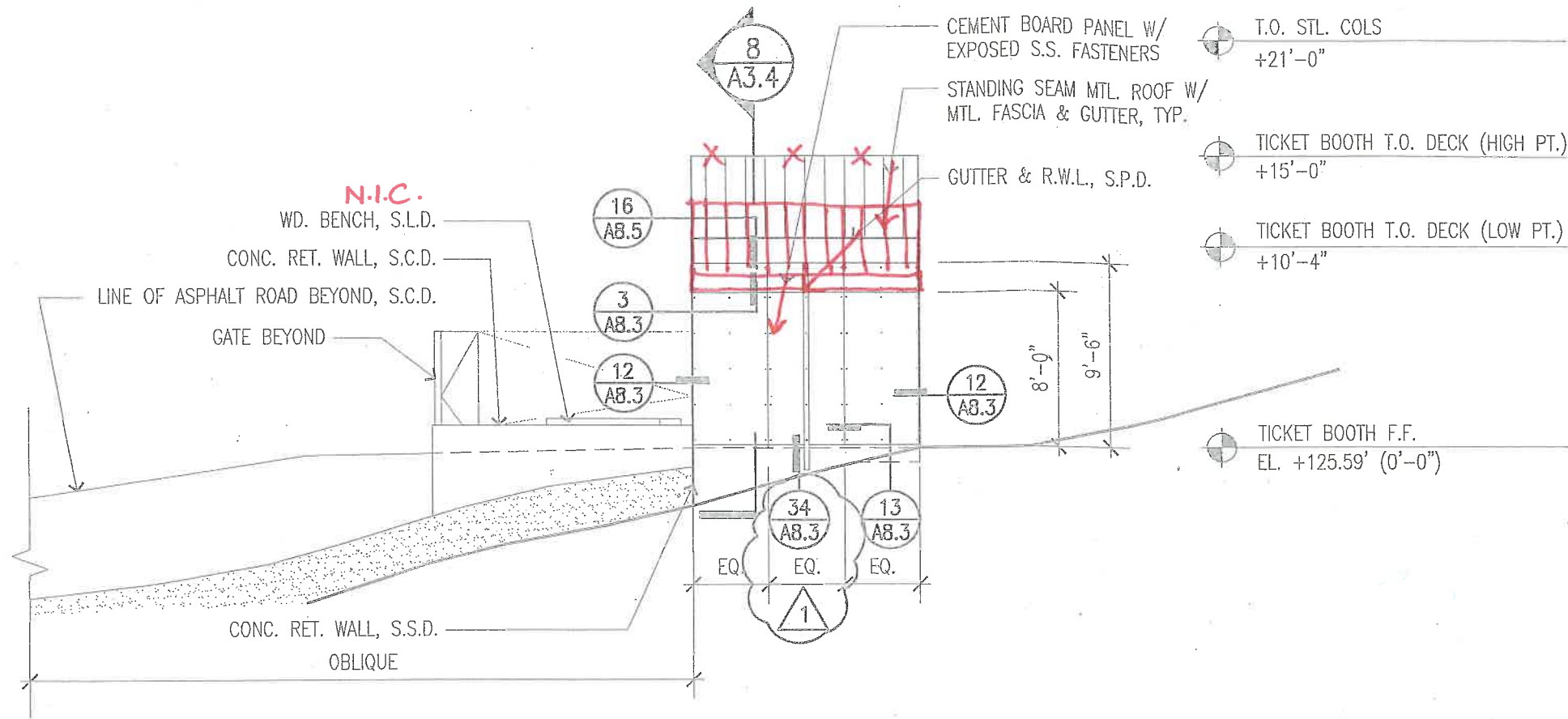


REVISED
 TICKET BOOTH
 FEB. 2, 2010

②

(HIGH PT.)

(LOW PT.)

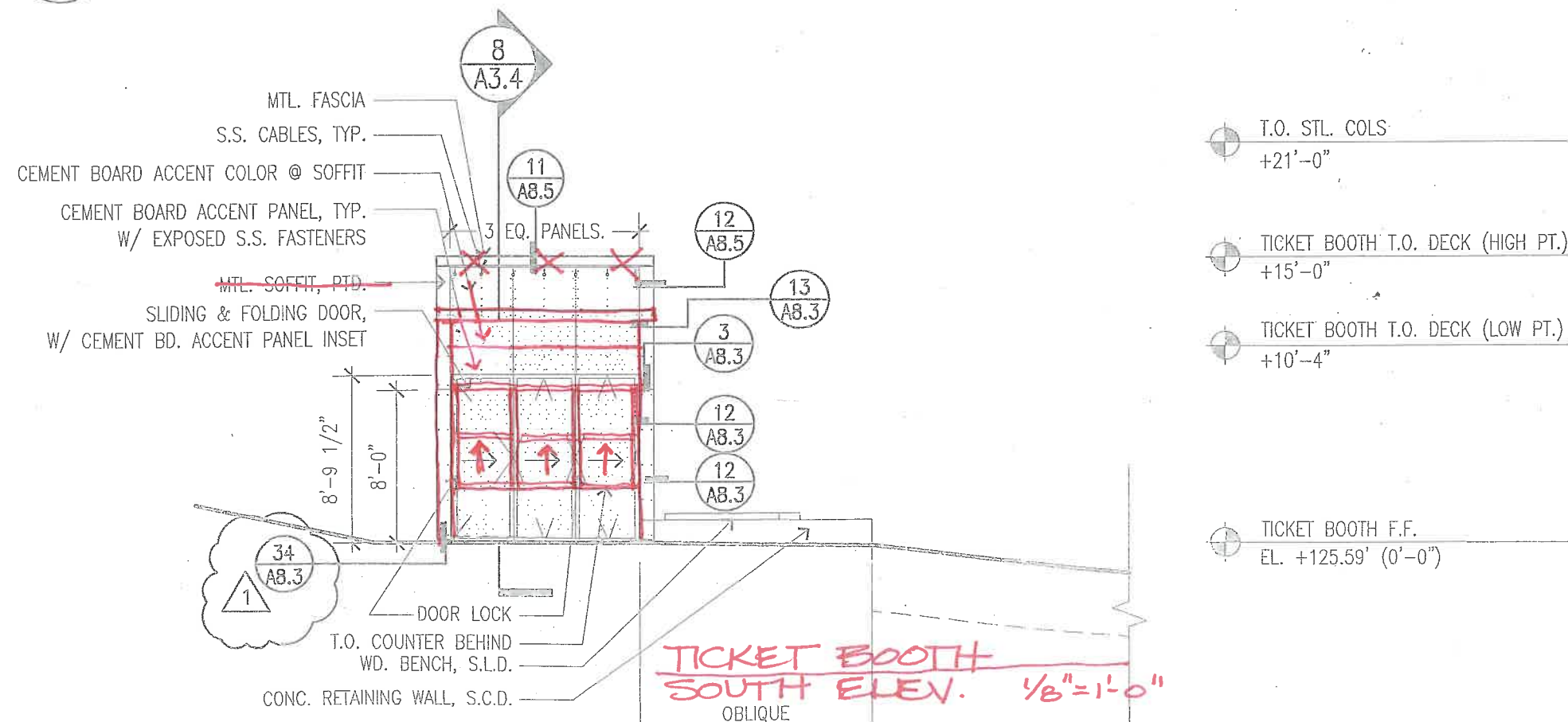


6 TICKET BOOTH - NORTH ELEVATION
A4.2 EXTERIOR ELEVATION

1/8"=1'-0"

(HIGH PT.)

(LOW PT.)



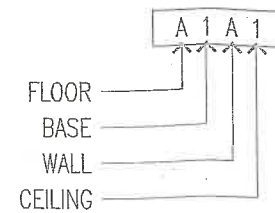
T.O. STL. COLS
+21'-0"

TICKET BOOTH T.O. DECK (HIGH PT.)
+15'-0"

TICKET BOOTH T.O. DECK (LOW PT.)
+10'-4"

TICKET BOOTH F.F.
EL. +125.59' (0'-0")

FINISH KEY



FLOOR

- A. CONCRETE, SEALED
- B. CERAMIC TILE
- C. CARPET TILE
- D. RESILIENT FLOORING
- E. WOOD DECKING

BASE

- 1. WOOD BASE, PTD.
- 2. RUBBER BASE (NO BASE @ EXT. CONC./P.I.S.E. WALL EXPOSED ON INT.)
- 3. NOT USED
- 4. CERAMIC TILE COVERED BASE
- 5. CONCRETE BASE

WALL

- A. CONCRETE
- B. CONCRETE, PTD.
- C. GYP. BD., PTD.
- D. CERAMIC TILE
- E. CEMENT BOARD PANEL
- F. MULTIPLE FINISHES, SEE ELEVATIONS
- G. MULTIPLE FINISHES, CONC./P.I.S.E. WHERE EXTERIOR WALL EXPOSED ON INT., GYP. BD. PTD. REMAINING WALLS
- H. FRP WALL PANELS

CEILING

- 1. GYP. BD., PAINT
- 2. GYP. BD., PAINT, ACCENT COLOR
- 3. GYP. BD., PAINT, ACCENT COLOR IN VESTIBULE ONLY
- 4. EXPOSED TO STRUCTURE ABOVE
- 5. MULTIPLE FINISHES, SEE RCP

GENERAL RCP NOTES:

- 1. CEILING HEIGHTS NOTED ARE DIMENSIONED FROM FINISH FLOOR OF ROOM

ARCHITECT

LMS

LEDDY MAYTUM STAC

677 HARRISON STREET
SAN FRANCISCO, CA 94

T 415 495 1700

F 415 495 1717

W www.lmsarch.com

STAMP



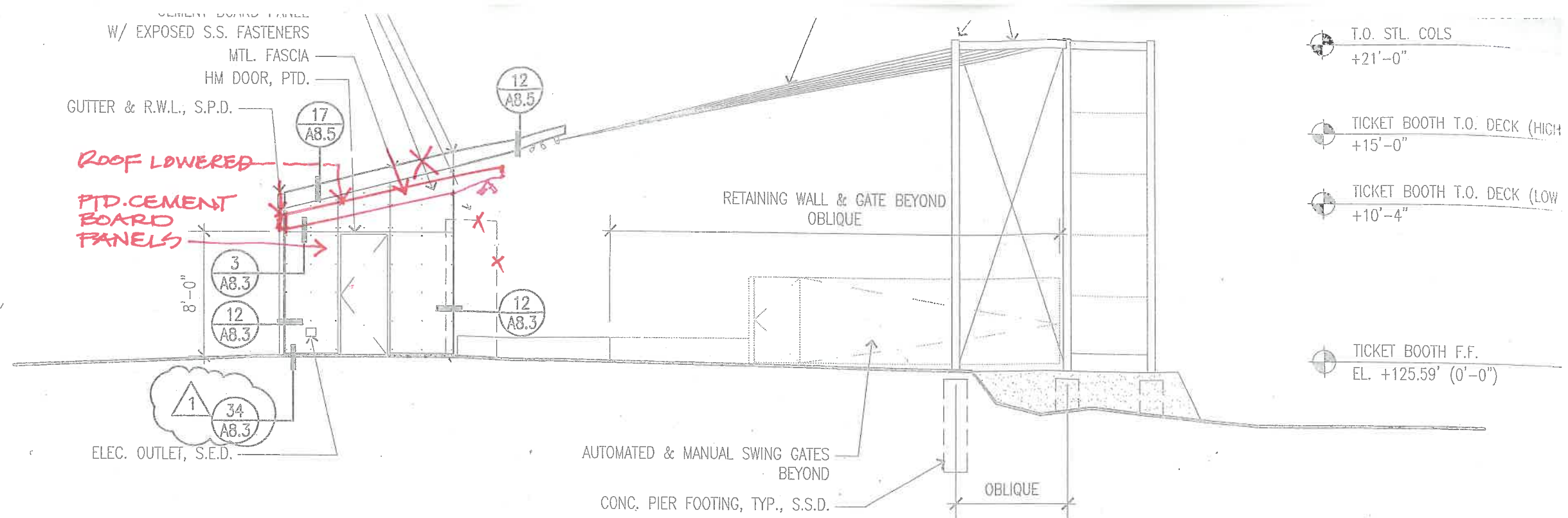
CONSULTANT

REVISED
TICKET BOOTH

FEB. 2, 2010 (3)

PROJECT

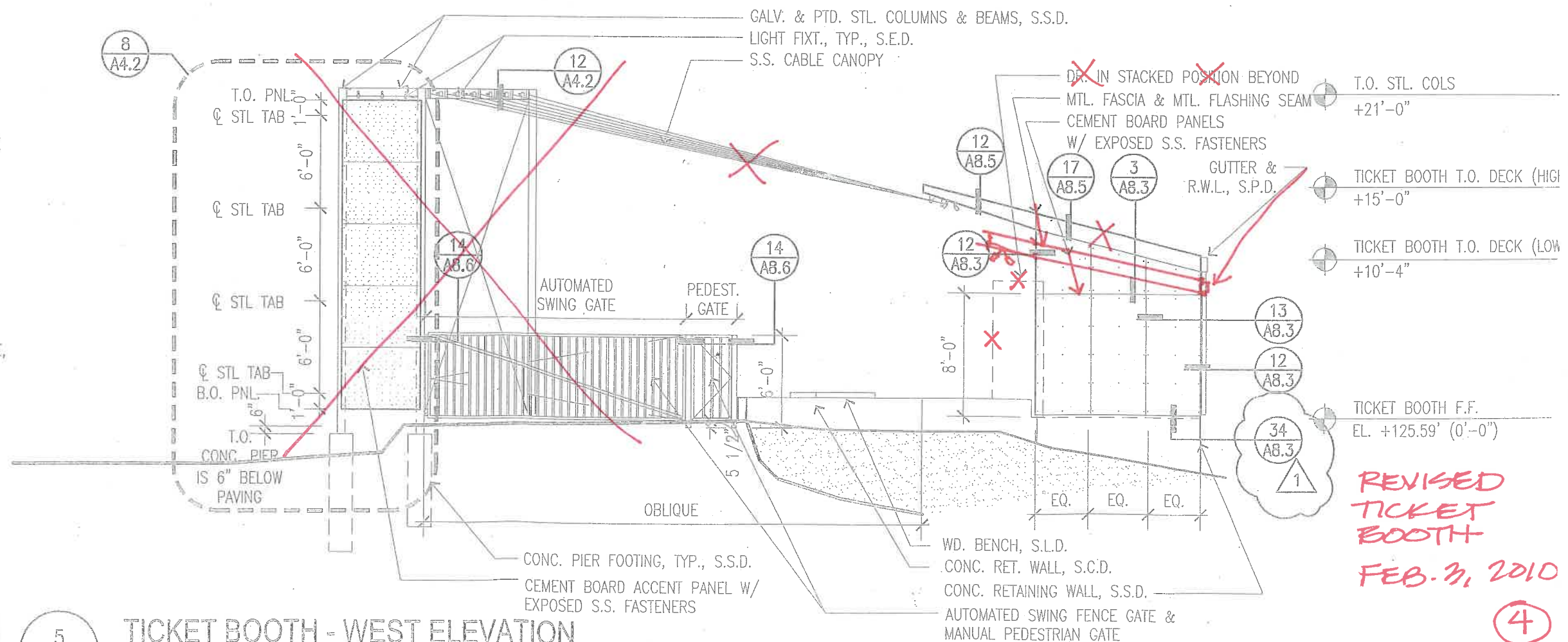
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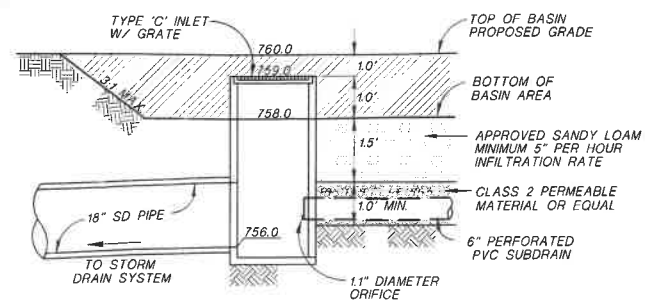
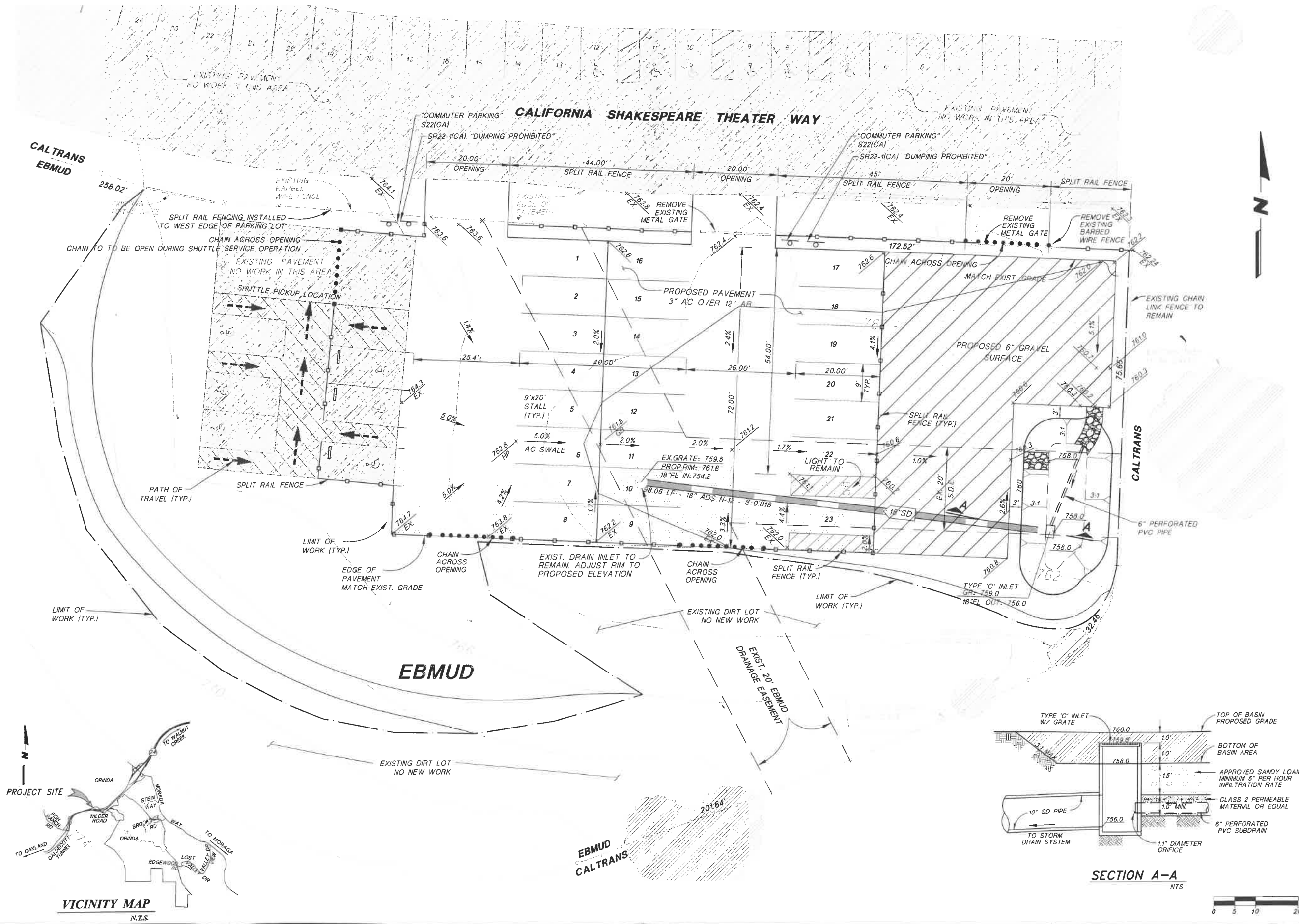
7
A4.2

TICKET BOOTH - EAST ELEVATION

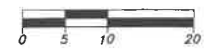
EXTERIOR ELEVATION



IGNAGE CONNECTION @ STL. COLUMN



SECTION A-A
NTS

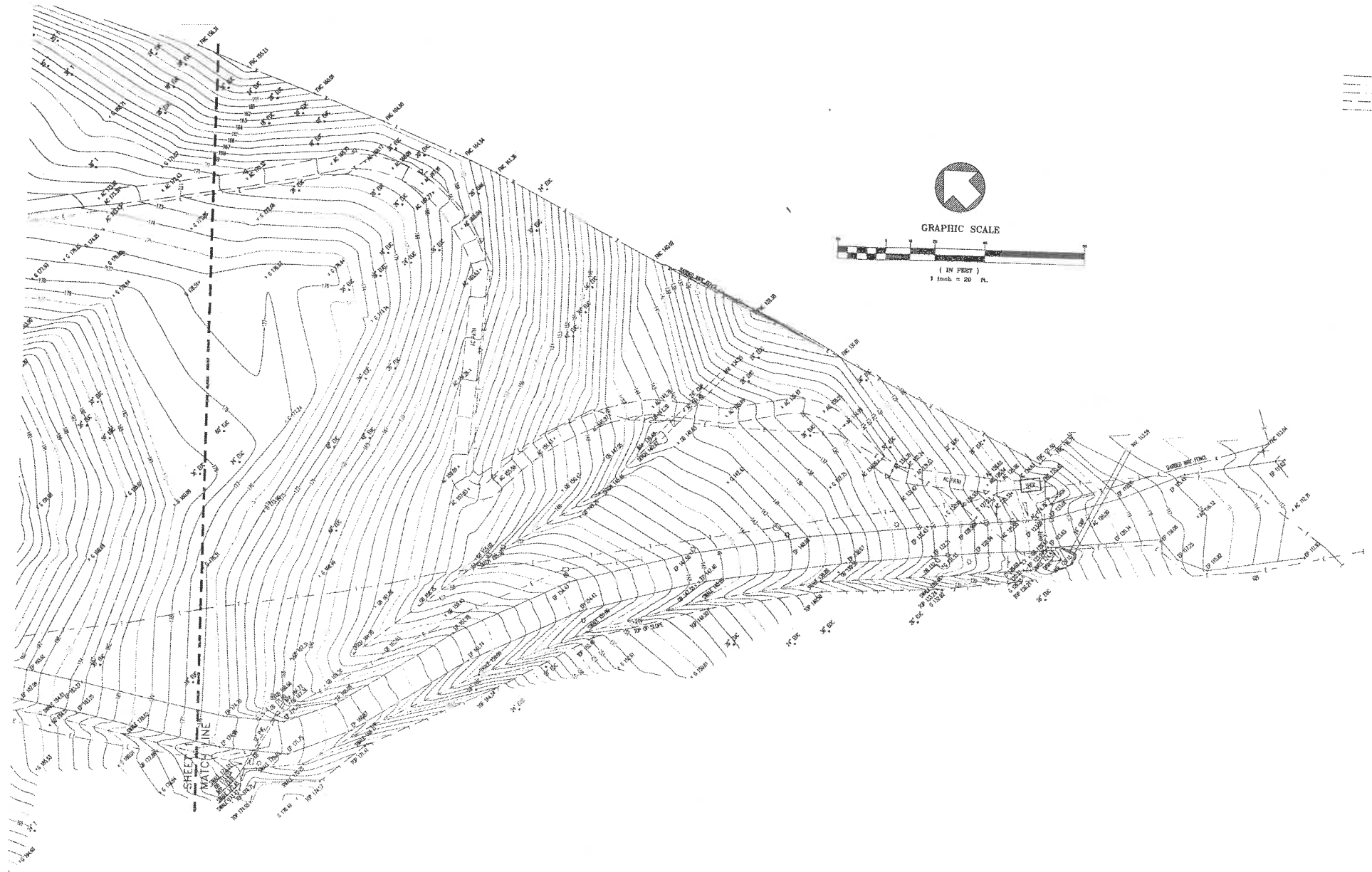


CAL SHAKE PARKING LOT
APN 265-160-017
GRADING & DRAINAGE PLAN

PA Design Resources, Inc.
Planning ■ Engineering ■ Surveying
3021 Citrus Circle, Suite 150
Walnut Creek, California 94598-2635
TEL (925) 210-9300

DATE: 04/03/2013
SCALE: HORIZ. 1"=10'
VERT.
DESIGN:
CHECKED:
SHEET
2
OF 3 SHEETS
PROJ. NO. 20021-20

NO	BY	DATE	REVISIONS



- LEGEND:**
- X-X FENCE LINE
 - E--- ELECTRIC LINE
 - T--- TELEPHONE LINE
 - SS--- SANITARY SEWER LINES
 - W--- WATER LINE
 - FIRE HYDRANT
 - SANITARY SEWER MANHOLE
 - SITE BENCHMARK
 - [#] QUANTITY
 - AC ASPHALT
 - BW BOTTOM OF WALL
 - CB CATCH BASIN
 - CO CLEANOUT
 - COL COLUMN
 - CUNC CONCRETE
 - CMP CORRUGATED METAL PIPE
 - DF DRINKING FOUNTAIN
 - DI DROP INLET
 - ED ELECTRIC BOX
 - EP EDGE OF PAVEMENT
 - EUC EUCALYPTUS
 - EV ELECTRIC VALVE
 - FYC FENCE
 - G GROUND
 - GP GUARD POST
 - GR GRADE ELEVATION
 - HB HOSE BIB
 - INV INVERT ELEVATION
 - LB LIGHT BASE WITH NO LIGHT
 - PB TELEPHONE BOOTH
 - RET RETAINING
 - RIM RIM ELEVATION
 - RW REDWOOD
 - SD STORM DRAIN
 - (TYP) TYPICAL
 - TB TELEPHONE BOX
 - TW TOP OF WALL
 - UB UTILITY BOX
 - W/ WITH
 - WV WATER VALVE
 - YL YARD LIGHT

ARCHITECTS
LMS^A
 LEDDY MAYTUM STACY ARCHITECTS
 677 HARRISON STREET
 SAN FRANCISCO, CA 94107
 T 415 495 1700
 F 415 495 1717
 W www.lmsarch.com

STAMP
 PROFESSIONAL ENGINEER
 DANIEL C. SOMMER
 No. 51158
 Exp. 09/30/09
 CIVIL
 STATE OF CALIFORNIA
 08/19/2008

CONSULTANTS
BKF
 ENGINEERS / SURVEYORS / PLANNERS
 2737 NORTH MAIN STREET
 SUITE 200
 WALNUT CREEK, CA 94596
 925-940-2200
 925-940-2299 (FAX)

PROJECT
CAL SHAKES
 CALIFORNIA SHAKESPEARE THEATER

CALIFORNIA SHAKESPEARE THEATER
 ORINDA, CALIFORNIA

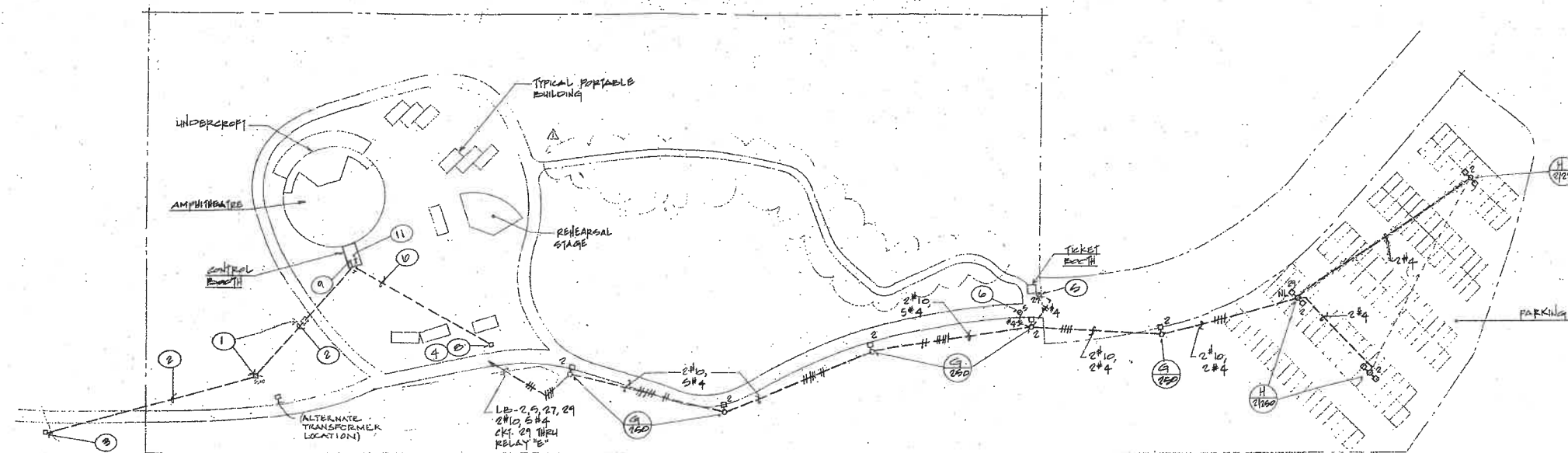
No. REVISION DATE

DATE: 22 AUGUST 2008
 JOB No.: 0614
 DRAWN: CONSTRUCTION DOCUMENTS
 ISSUED FOR: 100% PRINT
 PERMIT No.:
 SCALE: 1"=20'

SHEET TITLE

EXISTING CONDITIONS

SHEET No.

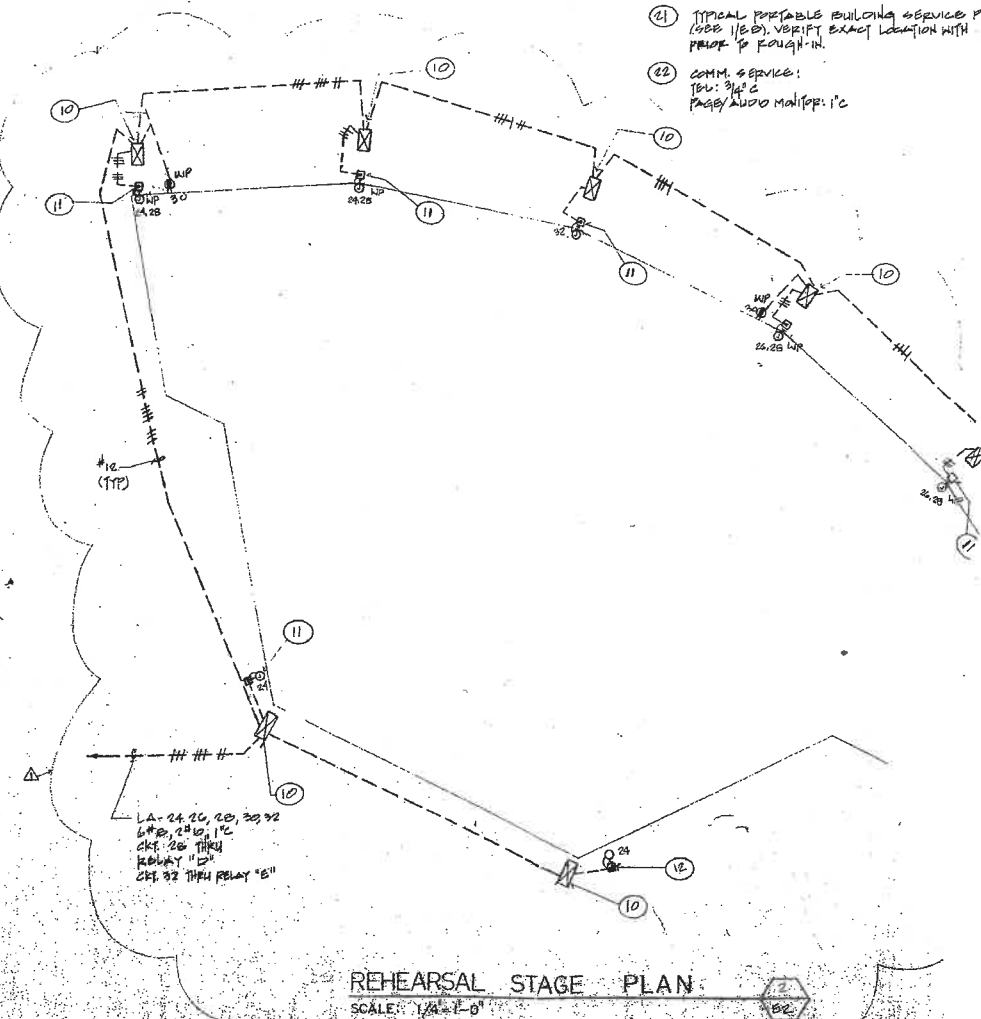
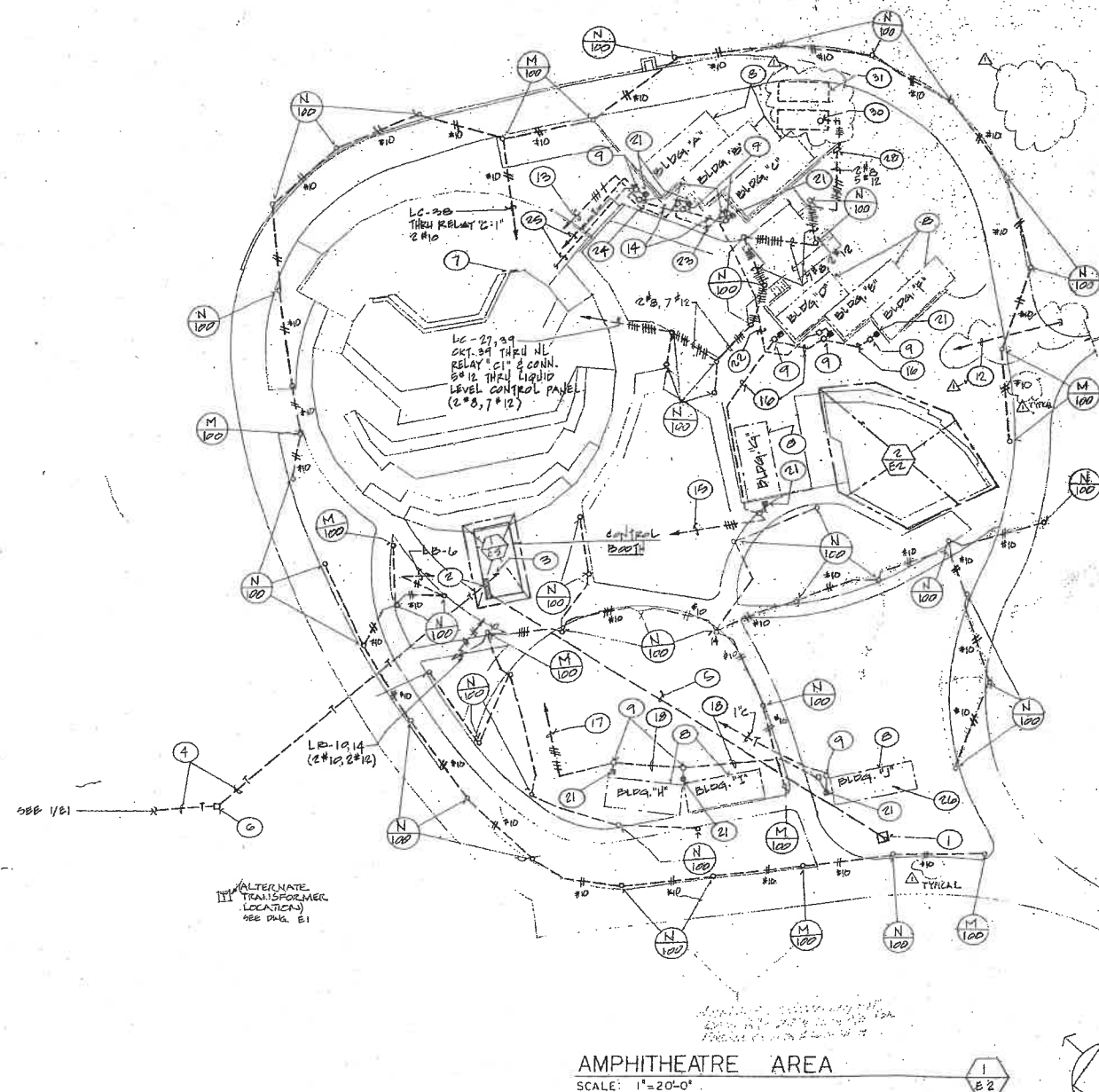


SITE PLAN
SCALE: 1"=50'-0"

1
E1

SHEET NOTES

- ① PULL BOX (SEE 1/E2)
- ② TELEPHONE SERVICE (SEE 2/E)
- ③ EXISTING TELEPHONE PULL BOX
- ④ TRANSFORMER PAD (SEE 1/E2)
- ⑤ PROVIDE WP J-BOX ADJACENT TO FUTURE TICKET BOOTH
- ⑥ INSTALL (3) WP OUTLETS ON ENTRANCE ARCH FOR FUTURE LIGHTS. VERIFY EXACT LOCATION WITH ARCH.
- ⑦ NOT USED
- ⑧ UNDERGROUND SERVICE (SEE 1/E2)
- ⑨ MAIN SWITCHGEAR (SEE 2/E)
- ⑩ GENERATOR SERVICE (SEE 1/E2)
- ⑪ MAIN TELEPHONE TERMINAL BOARD (SEE 1/E2)

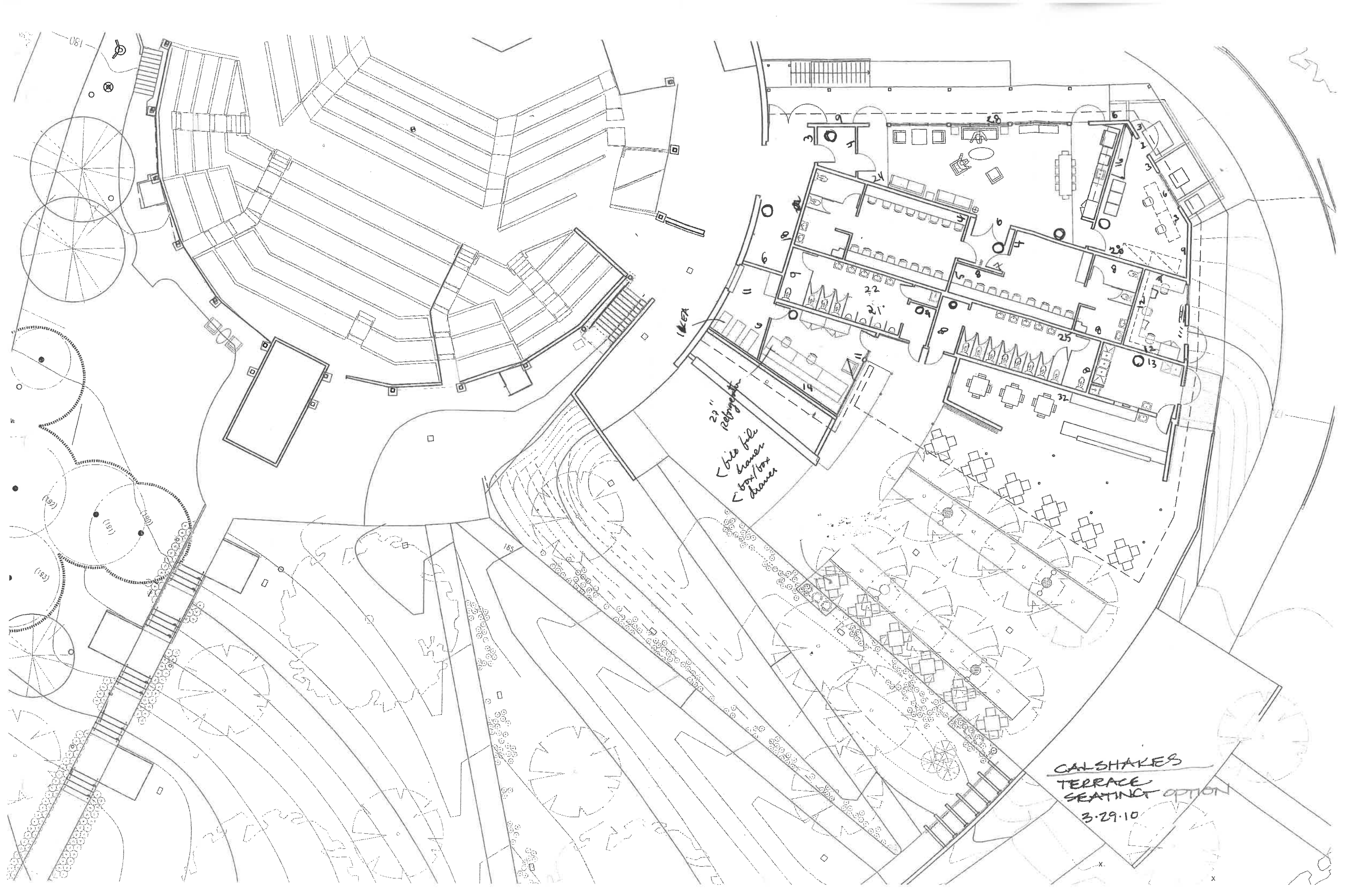


- 23 COMM. SERVICE:
TEL: 1/2" C
VIDEO MONITOR: 1/2" C
PAGE/AUDIO MONITOR: 1/2" C
- 24 COMM. SERVICE:
TEL: 1/2" C
VIDEO MONITOR: 1/2" C
PAGE/AUDIO MONITOR: 1/2" C
- 25 COMM. SERVICE:
TEL: 1/2" C
VIDEO MONITOR: 1/2" C
PAGE/AUDIO MONITOR: 1/2" C
- 26 PROVIDE MOMENTARY CONTACT SWITCH "S" INSTALL IN GUARD TRAILER AS DIRECTED BY ARCHITECT PROVIDE SEAL-TITE PLUG FROM SERVICE PEDestal TO J.B. ON TRAILER. MAKE ALL NECESSARY CONNECTIONS
- 27 INSTALL TANK "H" HIGH LEVEL ALARM IN WIP ENCLOSURE (PURCHASED W/ TANKS)
- 28 WIP J. BOX
- 29 CONNECT LIQUID-LEVEL ALARM SWITCH PROVIDE CONDUIT "SEAL-OFF" FITTING. ALL FITTINGS, ETC. IN TANK SHALL BE EXPLOSION-PROOF (SEE DETAIL 3/P1)
- 30 SEWAGE HOLDING TANKS (SPD)

SHEET NOTES

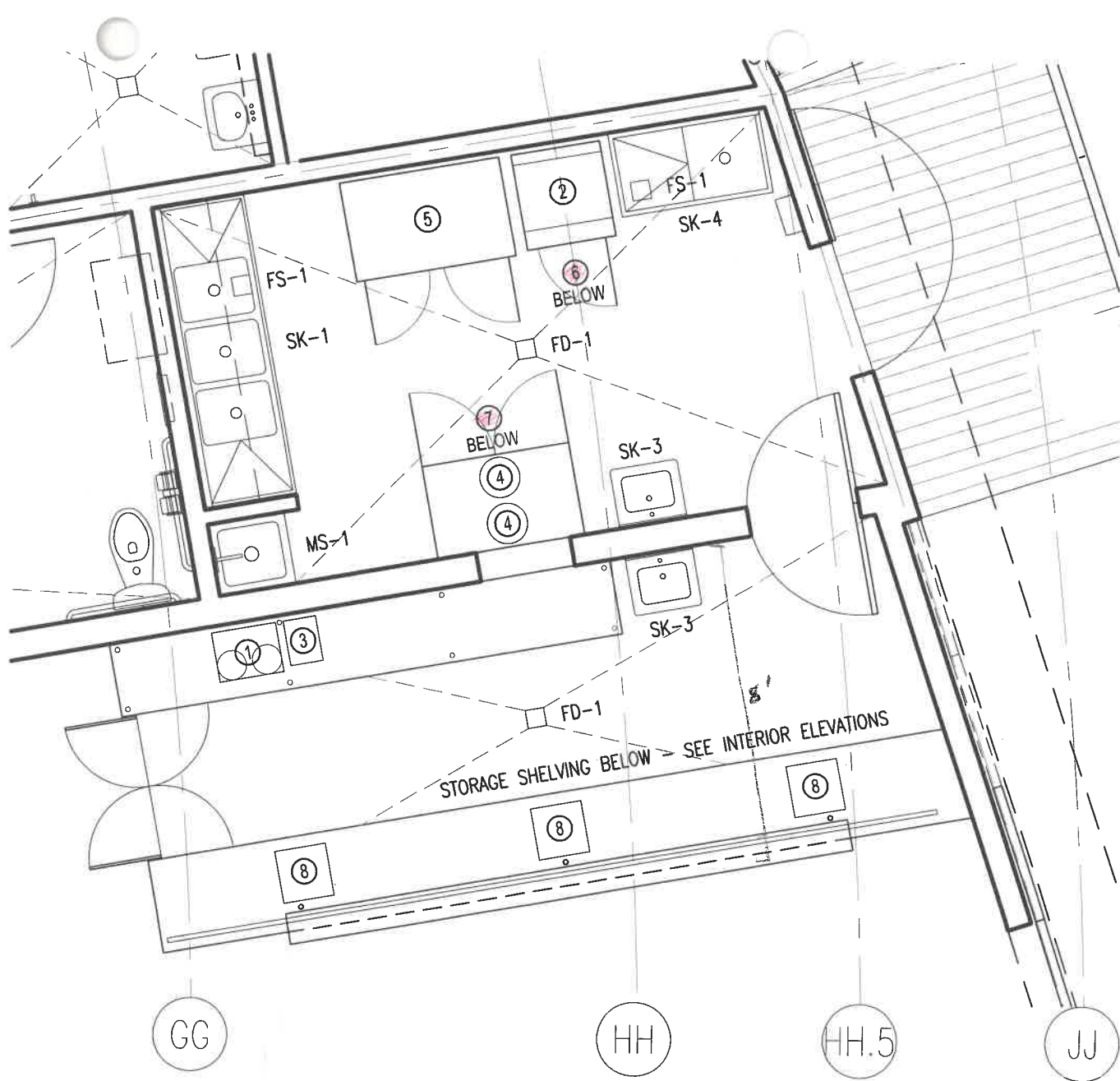
- 1 TRANSFORMER P.P. & UTILITIES TRANSFORMER (SEE DETAIL 4/E1)
- 2 MAIN SWITCHBOARD
- 3 MAIN TELEPHONE TERMINAL BOARD
- 4 TELEPHONE SERVICE: 2-2" C
- 5 SECONDARY SERVICE: 3-5" C (RIGID SCH. 4 CABLES BY PG. # B); CONDUIT OWNER-MAIL
- 6 PULL BOX: CHURCHY NO. N-36 WITH T-T LID PER PAC BELL REQ' TO
- 7 PANEL "LC"
- 8 MODULAR BUILDING (TYPICAL)
- 9 PULL BOX: CHURCHY NO. N-9 WITH NO. 1135 EXTENSION, NO. 4121 BASE & T-1 LID
- 10 PULL BOX: CHURCHY NO. 9 WITH NO. 1135 EXTENSION, NO. 4121 BASE AND JIL LID
- 11 PROVIDE 4 GANG WIP OUTLET ON POLE @ ARCH. DWG. G, DET. 2. INSTALL CONDUIT INS PROVIDE #12 AUC "GROUND" PER CODE.
- 12 1/4" HTG TO PANEL "LB"
- 13 4 #200 CM THIN, 2' 8" C TO PANEL "LO" CIRCUIT
- 14 4 #250 MCM THIN, 2' 8" C
- 15 4 #2 THIN, 1/4" C TO MAIN SWITCHBOARD (SEE ONE LINE DIA. 1/E7)
- 16 4 #2 THIN, 1/4" C
- 17 3 #12, 3 #12 THIN, 1/4" C TO MAIN SWITCHBOARD (SEE DIA. 1/E7). CONNECT 3 #12 TO MOMENTARY CONTACT IN CONTROL ROOM.
- 18 3 #2, 3 #12 THIN, 1/4" C
- 19
- 20
- 21 TYPICAL PORTABLE BUILDING SERVICE P (SEE 1/E8). VERIFY EXACT LOCATION WITH PRIOR TO FOUND-IN.
- 22 COMM. SERVICE:
TEL: 3/4" C
PAGE/AUDIO MONITOR: 1/2" C





29" Refrigerator
file file
ladder
box box
ladder

CAL SHAKES
TERRACE
SEATING OPTION
3-29-10



EQUIPMENT LEGEND

- ① FETCO COFFEE MACHINE - CBS-52H15
- ② TOASTMASTER HOT FOOD SERVER - 3B80A
- ③ REGALWARE 101 CUP COFFEE URN - 58001R
- ④ 11 QT. HI-TEC FOOD WARMER
- ⑤ TRAULSEN G20010 REACH-IN REFRIGERATOR
- ⑥ BEVERAGE AIR WTR 27 WORKTOP REFRIGERATOR
- ⑦ BEVERAGE AIR WTR48 WORKTOP REFRIGERATOR
- ⑧ SHARP XE-A404 ELECTRONIC CASH REGISTER

CALIFORNIA SHAKESPEARE THEATER

100 GATEWAY BOULEVARD, ORINDA, CALIFORNIA

LEDDY MAYTUM STACY ARCHITECTS

677 HARRISON STREET
SAN FRANCISCO CA 94107
T 415.495.1700
F 415.495.1717

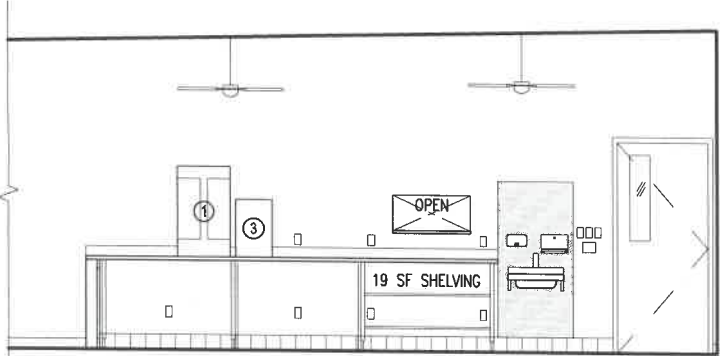


EQPT-1

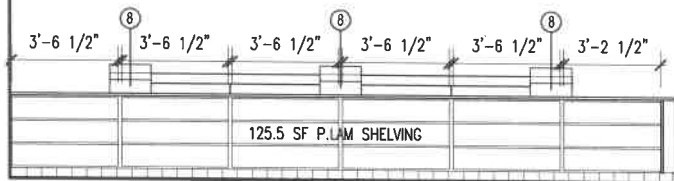
THEATER BUILDING CONCESSION EQUIPMENT PLAN

SCALE: 1/4"=1'-0"

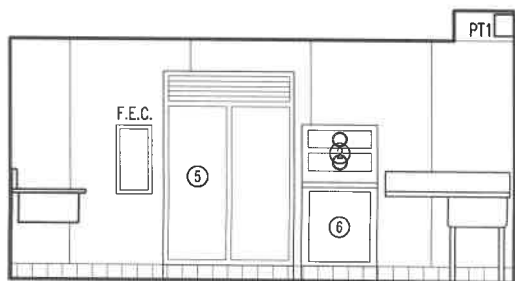
DATE: 09.02.2009



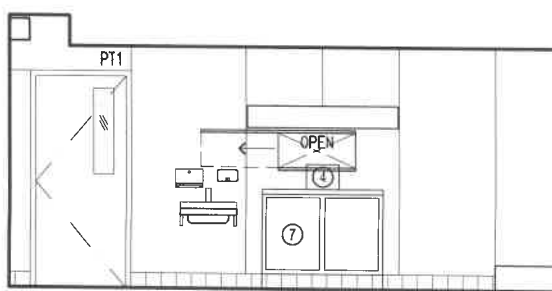
5 THEATER BLDG. - CONCESSION, RM. T101 (NORTH)



3 THEATER BLDG. - CONCESSION, RM. T101 (CASEWORK NORTH)



1 THEATER BLDG. - STORAGE, RM. T105 (NORTH)



2 THEATER BLDG. - STORAGE, RM. T105 (SOUTH)

EQUIPMENT LEGEND

- ① FETCO COFFEE MACHINE - CBS-52H15
- ② TOASTMASTER HOT FOOD SERVER - 3B80A
- ③ REGALWARE 101 CUP COFFEE URN - 58001R
- ④ 11 QT. HI-TEC FOOD WARMER
- ⑤ TRAUlsen G20010 REACH-IN REFRIGERATOR
- ⑥ BEVERAGE AIR WTR27 WORKTOP REFRIGERATOR
- ⑦ BEVERAGE AIR WTR48 WORKTOP REFRIGERATOR
- ⑧ SHARP XE-A404 ELECTRONIC CASH REGISTER
- ⑨ METRO SHELVING 18" x 54"
- ⑩ METRO SHELVING 18" x 72"
- ⑪ METRO SHELVING 18" x 30"

CALIFORNIA SHAKESPEARE THEATER

100 GATEWAY BOULEVARD, ORINDA, CALIFORNIA
LEDDY MAYTUM STACY ARCHITECTS
677 HARRISON STREET
SAN FRANCISCO CA 94107
T 415.495.1700
F 415.495.1717

EQPT-3

INTERIOR ELEVATIONS - THEATER BUILDING & UPPER GROVE BUILDING CONCESSION EQUIPMENT

SCALE: 1/4"=1'-0" DATE: 09.02.2009

LMS^A

PROPOSAL REQUEST

PR NO.: 05

Date:	April 02, 2010	COPY TO:	
Contract For:	Construction – PHASE 1	Owner	Jim Roethe Susie Falk Kate Cost Terry Bush
Contract Dated:	September 15, 2009	Contractor	Mike Handley Dennis Zampa Kevin Smith
Architect's Proj. No.:	0614		

PROJECT:	California Shakespeare Theater 100 Gateway Boulevard Orinda, CA 94563
OWNER:	California Shakespeare Theater 701 Heinz Avenue Berkeley, CA 94710
TO (Contractor):	C. Overaa & Co. 200 Parr Boulevard Richmond, CA 94801
ARCHITECT:	Leddy Maytum Stacy Architects 677 Harrison Street San Francisco, CA 94107

Please submit an itemized proposal for changes in the Contract Sum and contract Time for proposed modifications to the Contract documents described herein. Submit proposal within 10 days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE, OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

Description:

Per direction from Owner, provide the following utilities to the Upper Grove area.

1. Electrical connection of existing utility box at Upper Grove to provide power to the Owner-furnished temporary restroom facilities & lighting in this area. See ESD-010 for proposed backfeed coordinated with site pole lighting backfeed as described in RFI 048 response & ESD-007.
2. Extend domestic water line across fire access road for connection to the Owner-furnished temporary restroom facilities. See Phasing Diagram C5.0 for location of capped DW line in Phase 1.

Attached:	Reference:
ESD-010	RFI response 048
ESD-011	ESD-007
	Phasing Diagram C5.0

ISSUED BY: LEDDY MAYTUM STACY ARCHITECTS
BY: Chris May

CONSTRUCTION CHANGE DIRECTIVE

CCD NO.:02

LMS^A

Date:April 02, 2010

COPY TO:

Owner:

Jim Roethe

David Goldsmith

Kate Cost

Susie Falk

Terry Bush

Kevin Smith

Mike Handley

Dennis Zampa

LMS Project No.:0614

Contract For:Construction – PHASE 1

Contract Dated:September 15, 2009

Contractor:

Field:

PROJECT:

California Shakespeare Theater

100 Gateway Boulevard

Orinda, CA 94563

OWNER:

California Shakespeare Theater

701 Heinz Avenue

Berkeley, CA 94710

TO (Contractor):

C. Overaa & Co.

200 Parr Boulevard

Richmond, CA 94801

ARCHITECT:

Leddy Maytum Stacy Architects

677 Harrison Street

San Francisco, CA 94107

You are hereby directed to make changes in this Contract as described below.

Description:

Grove Electrical at Entry Path:
Per direction from Owner, provide conduit & power to in-grade boxes on either side of the entry path per attached ESD-008. These in-ground boxes will be the point-of-connection for Owner to provide power to the Groves and connection of site path lighting.

Attachments: ESD 008

PROPOSAL REQUEST

PR NO.: 06

LMS^A

Date:	April 02, 2010	COPY TO:	
Contract For:	Construction – PHASE 1	Owner	Jim Roethe Susie Falk Kate Cost Terry Bush
Contract Dated:	September 15, 2009	Contractor	Mike Handley Dennis Zampa Kevin Smith
Architect's Proj. No.:	0614		

PROJECT:	California Shakespeare Theater 100 Gateway Boulevard Orinda, CA 94563
OWNER:	California Shakespeare Theater 701 Heinz Avenue Berkeley, CA 94710
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Please submit an itemized proposal for changes in the Contract Sum and contract Time for proposed modifications to the Contract documents described herein. Submit proposal within 10 days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE, OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

Description:

Provide pricing for the following:

1. Provide power to panel in pre-fabricated ticket booth building per ESD-009 & sheet notes on ESD-011 and extend conduit routing from in-ground box.
2. Provide conduit and power from panel in pre-fabricated ticket booth building across road to gate operator and WP power receptacle for signage lighting as shown on ESD-009, sheet notes on ESD-011.

Reference:
ESD-009
ESD-011

ISSUED BY:	LEDDY MAYTUM STACY ARCHITECTS
BY:	Chris May



ZETA Communities, Inc.
5321 Luce Ave., Bay F
McClellan, CA 95652
T. 916-565-0900 F. 916-333-5322

Shakespeare Ticket Booth: Preliminary Specifications

Client: Leddy Maytum Stacy	Phone: (415) 495-1700	Job Name: Shakespeare	Date: 2/17/2010	
ZETA Project Manager: Todd Gipson	Phone: (916) 333-5322	Sales #:	Invoice #:	
Site Address:	City:	State:	Zip:	
SCOPE OF RESPONSIBILITY				
Note: ANY CHANGES TO DOCUMENT AFTER CLIENTS SIGNATURE WILL RESULT IN A CHANGE ORDER. Index: Z = ZETA FACTORY & INSTALL TEAM CL = CLIENT EX = EXCLUDED from CONTRACT				
Qty	Code	Z-500 Specifications and Options	Material Allowance \$	
ZETA Energy & Environmental Performance		TBD -Purchase Contract		
Hers Rating:				
Title 24:				
Build It Green:				
Potential LEED Rating:				
Building Specifications		Z	CL	EX
Authorized Builder is responsible for providing site specific information that will insure that this structure meets the codes of its destination.				
CAL Fire (WUI):	Wildland-Urban Interface:			
Note:	* Indicates upgrades are required to meet WUI.			
Roof Load:	Per structural engineering plans			
Ground Snow Load:	40 lbs.			
Wind:	Per structural engineering plans			
Seismic:	Per structural engineering plans			
Foundation:	☐ Typ. Plan By ZETA ☒ A			
Framing SFI = Sustainably Forested Products				
Exterior Walls:	2" x 6" Framing 16" O.C.	Z	CL	EX
Side Wall Height:	10'4" Low side to 15' High side	Z		
Floors:	Temperary if nessessary	Z		
Structurally Engineered Rims:	Double Rim Joists 1 3/4" x 9 1/4" LVL	Z		
Floor Decking:	NONE			
Interior Wall:	2"X4" Surface Dried Lumber (when applicable) 16"O.C.	Z		
Roof:	2x Construction as required	Z		
Eaves:	☐ Boxed ☐ kposed Rafter Tails			
Roof Pitch:	Flat roof	Z		
Roof Sheathing:	15/32" OSB Radiant Barrier	Z		
Exterior Siding, Trim, and Decking				
Siding:	Cemplank Lap siding - Fiber cement Boards 7" exposure	Z	CL	EX
Color Selection:	1 of 5 standard ICI colors	Z		
Siding Option:	Cedarmill	Z		
Delete:				
Window Trim:	Fry reglet J- profile	Z		
Corner Trim:	Fry reglet J- profile	Z		
Parapet Cap:	22 gauge Galvanized painted metal	Z		
Thermal & Moisture Protection				
Insulation:	First Floor: N/A		CL	EX
	Ext. Walls: R-19	Z		
	Attic: R-30	Z		
Option:	1" rigid foam - R-5 increase			
Note:	Insulation TBD			
House Wrap:	"Breathable" wrap such as Typar, GreenGuard or equal	Z		



ZETA Communities, Inc.
5321 Luce Ave., Bay F
McClellan, CA 95652
T. 916-565-0900 F. 916-333-5322

Shakespeare Ticket Booth: Preliminary Specifications

Client: Ledy Maytum Stacy	Phone: (415) 495-1700	Job Name: Shakespeare	Date: 2/17/2010
ZETA Project Manager: Todd Gipson	Phone: (916) 333-5322	Sales #:	Invoice #:
Site Address:	City:	State:	Zip:

SCOPE OF RESPONSIBILITY				
Roofing		Z	CL	EX
GAF EverGuard	Standing Seam metal roof with metal fascia and gutter, Typ.	Z		
Color Selection: Select				
Option:	\$			
Eaves:	☐ Boxed ☐ Iscia			
HVAC		Z	CL	EX
Option:	\$			
Option:	\$			
Drywall		Z	CL	EX
Walls & Ceiling:	High strength or 5/8 gypsum	Z		
Finish:	Imperfect smooth	Z		
Option: Level 4				
Windows R-Value = 2.3		Z	CL	EX
Windows:	PTD aluminum double hung Windows	Z		
Exterior finish:	PTD aluminum double hung Windows	Z		
Interior Finish:	PTD aluminum double hung Windows	Z		
Option:	\$			
Hardware:	Standard white	\$		
Exterior Doors		Z	CL	EX
Exterior Doors:	Therma TRU	Z		
Exterior finish:	HM Door PTD	Z		
Hardware:	Brushed Nickel			
Options:	\$			
Hardware:	TBD	\$		
Hardware/Mirrors/Shower Doors		Z	CL	EX
Front Entry Lock:	Brushed Nickel	Z		
Light Fixtures		Z	CL	EX
Exterior Front:	"Energy Star" rated light fixtures (CFL)	Z		
Exterior Rear:	"Energy Star" rated light fixtures (CFL)	Z		
Rooms:	"Energy Star" rated light fixtures (CFL)			
Electrical		Z	CL	EX
Electric Panel:	200 amp standard, location per plan	Z		
Service Entry:	☐ Over-head ☐ Underground			
Locations:	\$			
Switches:	Rocker Style, white, locations per plan	Z		
Option:	\$			
Outlets:	Décor Style, white, type and locations per plan	Z		
Option:	\$			
Exterior GFI:	Front and Back, per plan	Z		
Exhaust Fans:	"Whisper quiet" 80 CFM	Z		
Cabinets		Z	CL	EX
Kitchen:	Urea Formaldehyde Free "Di amond B" Cabinets			
Counters		Z	CL	EX
Kitchen:	Granite			



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Shakespeare Ticket Booth: Preliminary Specifications

Client: Leddy Maytum Stacy	Phone: (415) 495-1700	Job Name: Shakespeare	Date: 2/17/2010	
ZETA Project Manager: Todd Gipson	Phone: (916) 333-5322	Sales #:	Invoice #:	
Site Address:	City:	State:	Zip:	
SCOPE OF RESPONSIBIITY				
Paint				
Paint	ICI Low or No VOC paint washable eggshell	Z	CL	EX
Interior Flat:	ICI Low or No VOC paint washable eggshell	Z		
Int. Gloss, Doors:	ICI Low or No VOC paint washable eggshell	Z		
Interior Paint:	ICI Low or No VOC paint washable eggshell	Z		
Exterior Color:	ICI Low or No VOC paint washable eggshell	Z		
Color Selection:	\$			
Note:	\$			
Opt. Door Color:	\$			
Delete Exterior:	\$			



CONTRA COSTA
ENVIRONMENTAL HEALTH
2120 Diamond Blvd., Suite 200
Concord, California 94520
Ph (925) 692-2500
Fax (925) 692-2502
www.cocoeh.org

August 31, 2009

Christopher May
LEDDY MAYTUM STACY Architects
677 Harrison Street
San Francisco, CA 94107

Plan Review Report For: Bruns Memorial Amphitheater (SR 2633)
Location: 100 Gateway Blvd. Orinda, CA
Scope of Work: New Food Facility-Snack Bar

Dear Mr. May:

Environmental Health Division has completed its review of the revised plans for the above referenced project that were submitted to this office on August 18, 2009. The plans are **approved** subject to the following conditions:

General Conditions

1. **Provide a copy of this letter to all contractors. Read and comply with all conditions. This agency will require the correction of improper work.**
2. This plan approval is valid for a period not to exceed six months from the date of this letter (one year if the work has started within six months from the date of approval).
3. A copy of the approved plans, supporting documents, this plan approval letter, and any subsequently approved changes or amendments, must be kept at the site during construction operations.
4. Plans are not to be changed or amended without prior written authorization from Contra Costa Environmental Health.
5. Nothing contained in this plan approval is deemed to authorize deviation from applicable laws, regulations, policies, or the Contra Costa Environmental Health *Construction Requirements For Retail Food Facilities*. Plan approval shall not prevent Contra Costa Environmental Health from subsequently requiring the correction of errors or omissions in such plans or specifications.
6. All necessary approvals and permits shall be obtained from the local building department and other required agencies (e.g., sewer agency, planning department, fire department, etc.) prior to starting work. **Construction inspections will not be scheduled if these other permits are not on site.**
7. The owner of the permitted facility is responsible for scheduling the required construction inspections. At least two construction inspections are required, which includes the following:
 - a. A *pre-final* inspection must be scheduled when room finishes are completed and plumbing, ventilation, and equipment are in place. **Schedule all inspections at least 4 working days in advance.**





BEVERAGE-AIR

PO Box 5932, Spartanburg, SC 29304
1-888-845-9800 Fax# 1-864-582-5083
<http://www.Beverage-Air.com>

Commercial Refrigeration Equipment General Specification

WTR SERIES WORKTOP UNITS

Versatile, compact (29" deep) models with stainless steel work tops and refrigerated storage of food products. Working height is 35 1/2."

CABINET CONSTRUCTION

Heavy duty construction includes stainless steel on front, sides, door(s) and grille. Stainless steel 2 1/2" thick worktop with 4" high removable backsplash. Cabinet back and bottom are galvanized steel. Interior liner is made of anodized aluminum for longer lasting corrosion protection. Interior thermometer is standard.

Cabinets are insulated with foamed-in-place polyurethane insulation of 2" minimum thickness. Doors are mounted to cabinet on self-closing, cartridge style hinges with 120° stay open feature. A plug-in type vinyl magnetic gasket is attached to each door for positive seal. Convenient, contoured, pull handle is made of black anodized aluminum. Interior arrangement includes 2 steel wire epoxy coated shelves behind each door, adjustable in 1/2 inch increments. Interior light with manual switch is provided with glass door models.

REFRIGERATION

Refrigeration system utilizes R134a refrigerant metered by a capillary tube system. Automatic (non-electric) condensate evaporator is standard. Interior forced air system, with high humidity evaporator coils, provides the ideal environment for food preservation.

ELECTRICAL

Units wired at factory and ready for connection to a 115/60/1 phase, 15 amp dedicated outlet. 8' long cord and plug set included.

SPECIAL FEATURES

- Cartridge style door hinges provides positive seal & eliminates door sagging issues (excludes glass door and some special units).
- 6" casters, two with brakes standard.
- Optional 6" legs or 3" casters available

***Note:** Overall heights of casters may vary with different types of casters depending upon caster manufacturer designations.

Item No. _____
Quantity _____

WORK TOP REFRIGERATORS 29" BASE MODEL SERIES

MODELS:
WTR27A
WTR48A
WTR60A
WTR72A



WTR27



WTR48



WTR60

ELECTRICAL CONNECTION



115/60/1
NEMA-5-15P

Units pre-wired at
factory and include 8'
long cord and plug

Available From:



*Note: Not all markings may apply to all model variations.

FETCO®

ITEM NUMBER: _____

MODEL CBS-52H15
SERIES 5000



Dispensers Sold Separately



Patents: 5,000,082, 5,331,885, 6,889,598, Other Patents Pending. International Patents Apply.

The LUXUS® Thermal Dispenser is totally portable, and requires no electric power. Once filled and capped it goes anywhere...Ready to act as your remote dispensing station wherever needed.

You can prepare them ahead of time and place them where you want them. It is important to note that the LUXUS® Thermal Dispenser can be staff-operated or used as a self-service system.

The Ultimate Coffee Machine

Your answer to brewing the best tasting coffee consistently day after day...

Developed with proprietary designs and technologies, FETCO® equipment ensures safety and integrity of each brew with innovative designs such as:

The Dual Brew Basket Safety Lock incorporated into the start switch brews directly into our patented LUXUS® Thermal Dispenser to ensure a continuous flow of hot, aromatic, great tasting coffee.

Stainless Steel Gourmet size baskets are designed for heavier brew ratios.

FETCO® Brewers utilize the most recent technological advances in Coffee Brewing in order to...

Hold a constant water temperature during 100% of brew cycle; maintain sprayover volume consistency; resist lime buildup inside dispense tube system; and utilize all solid state components.

Consultant & Contractor Approvals:

FETCO®
600 Rose Road
Lake Zurich, Illinois 60047 USA
Phone: (847) 719-3000
Toll Free: (800) FETCO-99
FAX: (847) 719-3001
sales@fetco.com
http://www.fetco.com



BEVERAGE-AIR.

Commercial Refrigeration Equipment
General Specifications

Item No. _____

Quantity _____

29" DEPTH WORKTOP REFRIGERATOR FOOD PREPARATION SERIES

MODELS:
WTR27
WTRD27
WTR48
WTR60
WTR72

WORKTOP COOLERS

Versatile, compact (29" deep) models with stainless steel work tops and refrigerated storage of food products. Working height is 35-1/2".

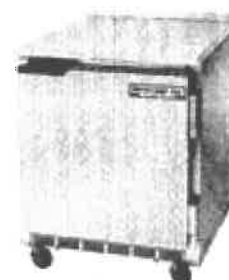
Cabinet construction:

Heavy duty construction, #3 finish stainless steel on front, sides, door(s) and grille. Stainless steel 2-1/2" thick work top with 4" high removable backsplash. Exterior back and bottom made from galvanized steel. Interior liner is made of corrosion resistant anodized aluminum. Interior thermometer is standard.

Cabinets are insulated with foamed-in-place polyurethane insulation of 2" minimum thickness. Doors are mounted to cabinet self-closing on cam lift hinges with 120 degree stay open feature. Pull-out drawers (2) on Model WTRD27 will accommodate 12x20 pans by others. Each door or drawer equipped with a snap in place vinyl magnetic gasket for a positive seal. Double pull style door handle made of black anodized aluminum. 6" high casters are standard, 2 include brakes. An 8' cord set is provided with 115 volt models. Cabinet interior standard with two epoxy wire coated shelves per section, adjustable in 1/2 inch increments. Interior light with manual switch is provided with glass door models.

Refrigeration:

Refrigeration system utilizes R134a refrigerant metered by a capillary tube system. Automatic (non-electric) condensate evaporator is standard. Unique front breathing through grilles located below doors permits unit to be installed against back walls and curbs. Interior forced air system, with high humidity evaporator coils, provides the ideal environment for food preservation.



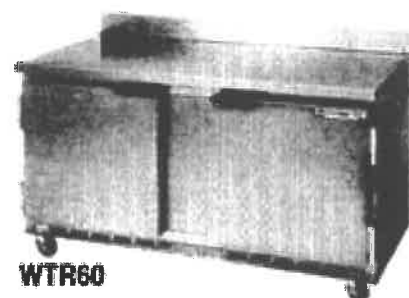
WTR27



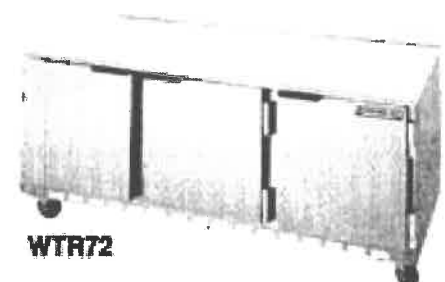
WTRD27



WTR48



WTR60



WTR72



Made in USA
<http://www.Beverage-Air.com>

BEVERAGE-AIR.
A Specialty Equipment Company
PO Box 5032, Spartanburg, SC 29304
1-800-845-9800 Fax No. 1-864-582-5083