

MAIN: 100 AMP 12 POLE				PANEL: A										FEED: REAR			
				LOCATION: REAR/INTERIOR										MOUNTING: FLUSH			
LOAD		WATTS		BREAKER		A		B		BREAKER		WATTS		LOAD			
		A#	B#	Amps	P	CO	CO	CO	P	Amps	A#	B#					
RECEPTACLE	(4)	720		20	1	1	•	•	•	2	2	50	3360		HVAC (3 1/2T)		
RECEPTACLE/CLOCK	(5)		720	20	1	3	•	•	•	4	-	-	3360		HVAC (3 1/2T)		
						5	•	•	•	6	2	30	2500		HEAT STRIPS (5KW)		
						7	•	•	•	8	-	-	2500		HEAT STRIPS (5KW)		
INT./EXT. LIGHTS	(13)	900		20	1	9	•	•	•	10	-	-					
INT. LIGHTS	(12)		840	20	1	11	•	•	•	12	-	-	40		FIRE ALARM (DEDICATED)		
WATTS/PHASE		A = 7480	1620	1560									5860	5900	B = 7460	WATTS/PHASE	
TOTAL		15385	WATTS	65	AMPS				120/240 VOLTS				SINGLE #		THREE WIRE		
NCL =		13160	WATTS														

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
4. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE

⊕  
\$  
\$  
⊖

EXTERIOR LIGHT FIXTURE AT +93" AFF  
SWITCH AT +48" AFF  
3WAY SWITCH AT +48" AFF UON  
DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON

⊕ HVAC UNIT (HV)

⊠  
⊗  
⊗  
⊠

4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, TO 4  
3/4" CO TO OR . PULLSTRING  
4SD J-BOX FOR FIRE ALARM STROBE AT +80" AFF  
3/4" CO TO ⊠ PULLSTRING  
4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF  
3/4" CO TO . PULLSTRING

⊠

WEATHER PROOF GUTTER BOX (6"x6"x4") AT  
+18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING

■

ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER  
NIPPLE POC, GND JUMPER BY SITE ELECT

⌚

CLOCK AT +90" AFF

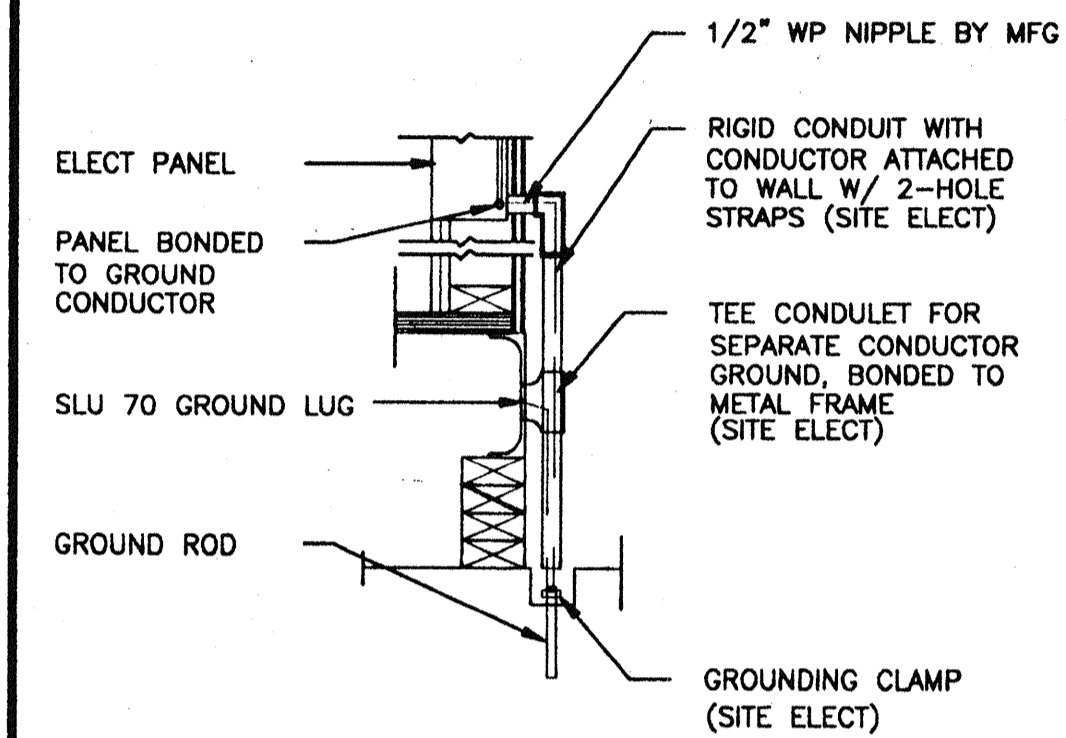
(H)

**4SD J BOX FOR HEAT DETECTOR (ATTIC) \***

(S)

**4SD J BOX FOR SMOKE DETECTOR (ATTIC) \***

FILE PATH: 2440-ET-01.DWG



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1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO  
CCR TITLE 24, SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR  
ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG  
EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A  
HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

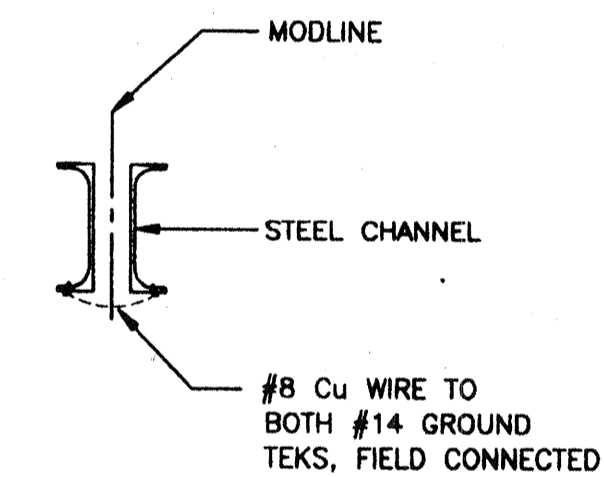
<u>EQUIPMENT ON GRADE</u>	<u>20% OF OPERATING WEIGHT</u>
<u>EQUIPMENT ON STRUCTURE</u>	<u>30% OF OPERATING WEIGHT</u>

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND  
FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

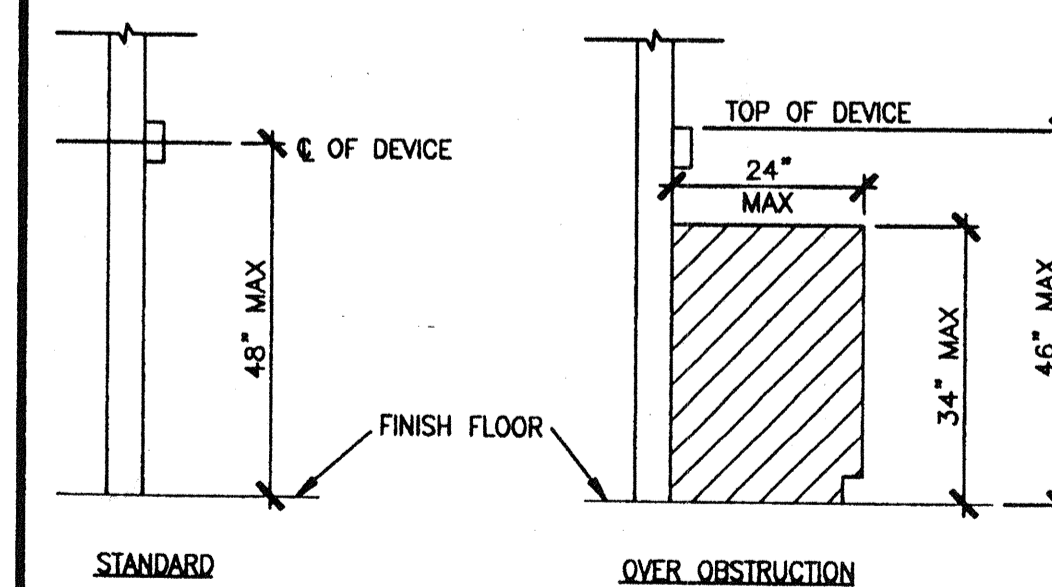
THE ABOVE VALUES FOR AN IMPORTANCE FACTOR,  $I = 1.0$  AND SEISMIC  
ZONE,  $Z = 4$

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD  
INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND  
THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

\* 2. SMOKE AND HEAT DETECTORS SHOWN ARE FOR OPTIONAL AUTOMATIC  
DETECTION. IF ELECTED AS AN OPTION MDTCHET WILL PROVIDE 4SD  
BOXES AND 3/4" CO MOUNTED ON UNDERSIDE OF ROOF PURLINS.  
DEVICES PROVIDED AND INSTALLED BY OTHERS



## 2

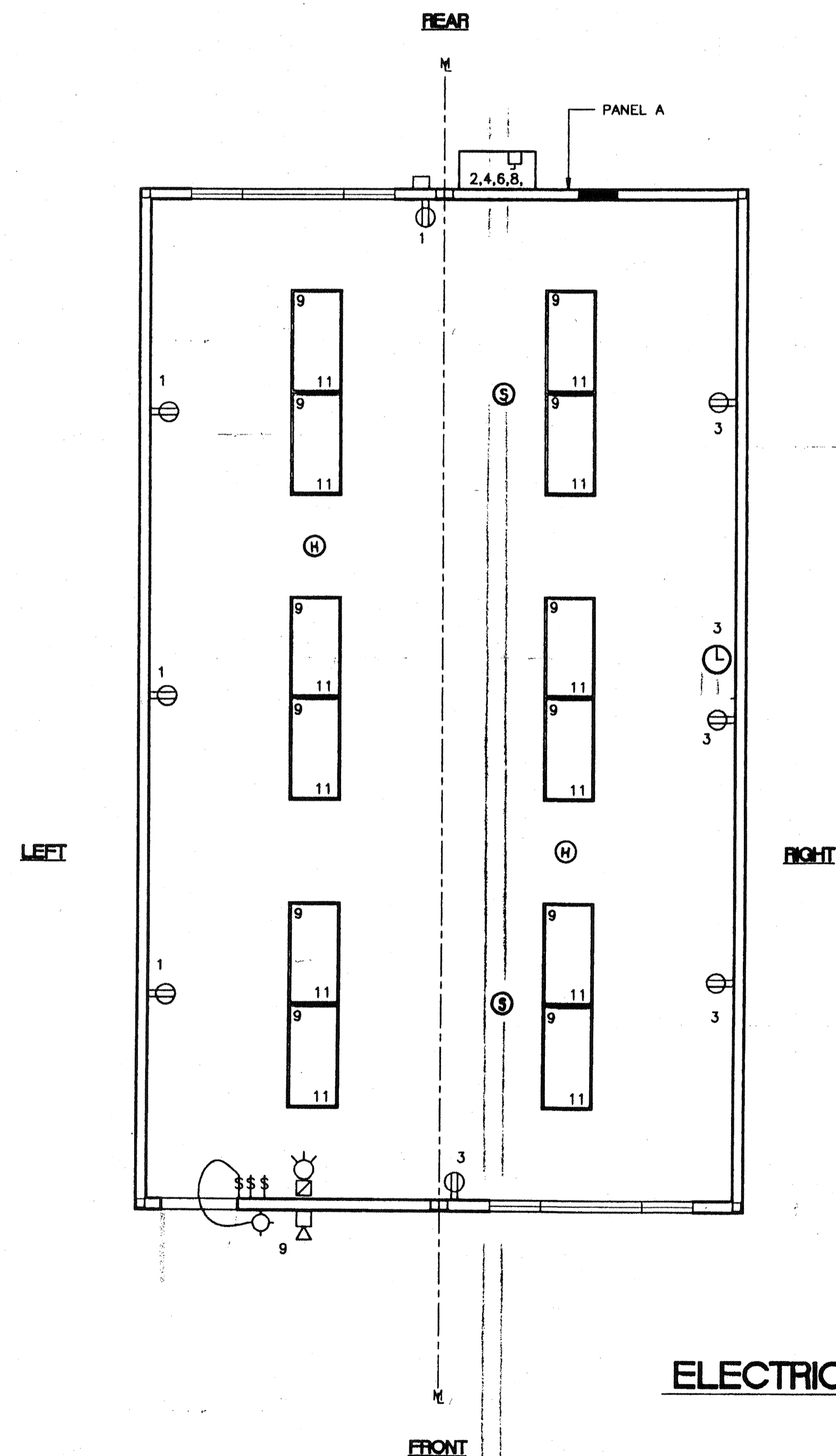


## 3

PROJECT NUMBER: © MODTECH, INC. 1999  
STOCKPILE #56  
CLASS LEASING INC #  
4012-112 80 MPH 10-24x40  
22-GA ROOF/ OPSC OPTIONS

DRAWN BY:  
DATE:  
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DATE:

MODTECH Index No.  
**E1.01**



SCALE:  $1/4" = 1'-0"$  (24'x40')

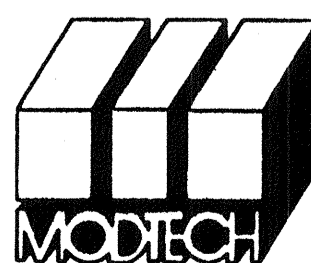
PC

**CBC 1998**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES

PC-04  
101268

AC *FLS* *10/18/88* *Low*  
DATE *SEP 07 1988*



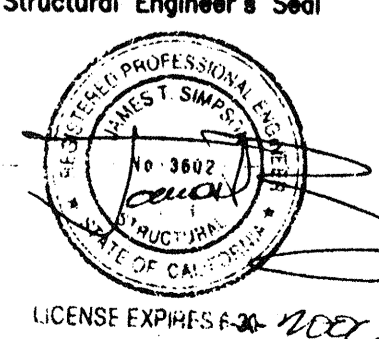
**MODTECH INC.**  
2830 BARRETT AVENUE  
PERRIS, CALIF. 92572  
PH (909) 943-4014  
FAX (909) 940-0427

1			
2			
3			
4			
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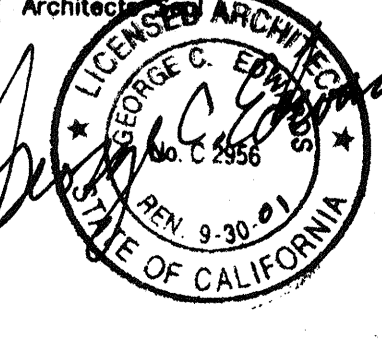
Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal




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24'x40'

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PROJECT NO. 3757

PC-04-101268