

BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE NOTE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -11-3#14, -++++-4 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -+++- 3#10, -++++ 6 ETC.

FIXTURE IDENTIFICATION - LETTER INDICATES TYPE. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S. ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD. FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE

FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER. [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED. 50 AMP 250 VOLT RANGE RECEPTACLE.

FIRE ALARM STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE FIRE ALARM HORN - OULET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP.

(EXTERIOR ONLY) FIRE ALARM VISUAL ALARM— OUTLET ONLY — 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).

SPEAKER- QUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"

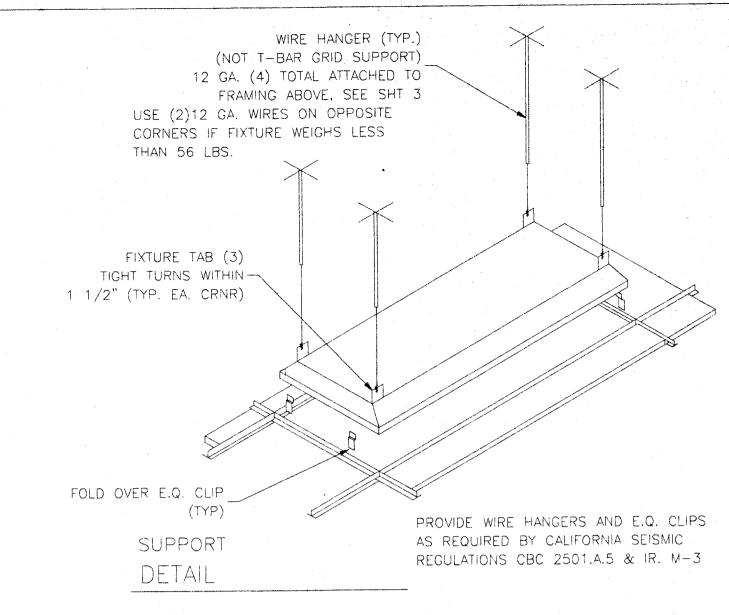
INTERCOM TELEPHONE - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"

FIRE ALARM MINI HORN - OULET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP AND NOT LESS THAN 6" BELOW FINISHED CEILING.

SCHOOL EQUIPMENT ANCHORAGE

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM

FOR ELECTRICAL DRAWINGS:
ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A
HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA. EQUIPMENT ON GRADE 20% OF OPERATING WEIGHT EQUIPMENT ON STRUCTURE 30% OF OPERATING WEIGHT FOR FLEXIBLY MOUNTED EQUIPMENT USE 4X THE ABOVE VALUES AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR 1= 10 AND SEISMIC 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 DIVISION OF THE STATE ARCTITECT.



MANUFACTURER DESCRIPTION 2'X4' FLOURESCENT DROP IN CRESCENT FIXTURE, ACRYLIC PRISMATIC LENS. MASTER 24GP332FSA11KOYU1 T-8 ELECTRONIC BALLASTS 32 W SLAVE 24GP332FSA11XXXV6 (3)35 WATT TUBES, WT. 27 LBS. LIGHTOLIER 2'X4' 4-LAMP FLUORESCENT FIXTURES 156 W XT2GVA440ZIL 2'X2' 2-LAMP FLUORESCENT FIXTURES 32 W 22GP2U6FSA11K2YF1 FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT (2) 7W | ENERTRON 7026B-L RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE 2700 K OR EQUAL PIECE LENS W/ NEOPRENE GASKET

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

& "POSIGRIP" STAINLESS STEEL

SCREWS.

THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUCTION WITH BI-LEVEL SWITCHING.

FIRE ALARM SYSTEM 1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE. 2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS. INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITRCT. 3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC

- ALLOW FOR 12' MOVEMENT IN ANY DIRECTION IF PAD
- FOUNDATION IS USED. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- 4. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY

SAVING LAMPS AND BALLASTS. 2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA

BUILDING CODE TITLE 24. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

1. Electrical service drop and connections supplied by others.

2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.

3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.

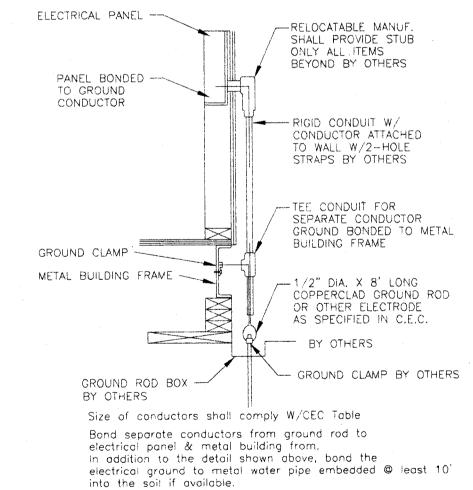
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be 1125 inch.

5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the

6. Clock - 12" dial clock on clock outlet.

A) Clock shall be General Electric model 2912 129V 60

B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app d recept.



Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I—R M—3 INSPECTOR TO WITNESS GROUNDING TEST

BUILDING GROUND DETAIL N.T.S.

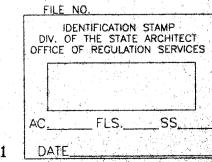
									,						
VOLTS: 120/240 SINGL	E PH	IASE	PA	AME	L:	A^{r}					FEED	: EX	TERIOR LB		
MAIN: 100 AMP MAIN BKR.				LOCATION:			INTERIOR			R	MOUNTING: FLUSH			,	
	WATTS		BRK. C A		В	C	BRK		. WATTS						
LOAD	А	В	AMP P R				R	P	AMP	А	В	LOAD			
LIGHTS, FANS	550		15	1	1	-		2	1	15	550		LIGHTS, FA	NS	
DUPLEX RECEPT.		600	15	1	3-	-	•	4	1	15		200	LIGHTS, FL	UORESCENT	
SPACE					5	-	-	6				SPACE			
		,			7-	-	•	8							
					91-	-		10							
				1	1		-	12							
				1	3	-		14						a ,	
				1	5	-	+	16						Y	
PHASE WATTAGE	550	600		1	7	•		18			550	200	PHASE	WATTAGE	
TOTAL WATTS "A"LEG: 110	10	TO	TAL	W	ΑT	TS_	A+	B=	19	00	Ţ	OTAL	WATTS "B	" LEG 800	
TOTAL WATTS: 1900		10	Α	ΜP	S	12	0/2	240	V	SI	NGLE	PH/	ASE	100AMP	BUS.
FEEDERS: TO BE RUN BY THE DIST	RICT E	THER L	JNDEF	RGRO	NUC	D O	R OV	ERHE	EAE	, SE	E SITE	ELEC.	PLAN.		

ELECTRICAL DISTRIBUTION PLAN

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT APP03-107512

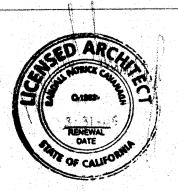
BASED ON PC 02-104931



12 X 40 RELOCATABLE BUILDING



americanmodular.com



CUSTOMER: BAKERSFIELD CITY SCHOOL DISTRICT CHIPMAN JUNIOR HIGH SCHOOL

LIGHTING PLAN & NOTES

DATE: 10-24-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

		REVISIO	NS	
NO	DATE	DESCRIPTION	NO DATE	DESCRIPTION
			\triangle	
			\triangle	
النعف ويستثنا	·			

PROJECT No. SHEET No.