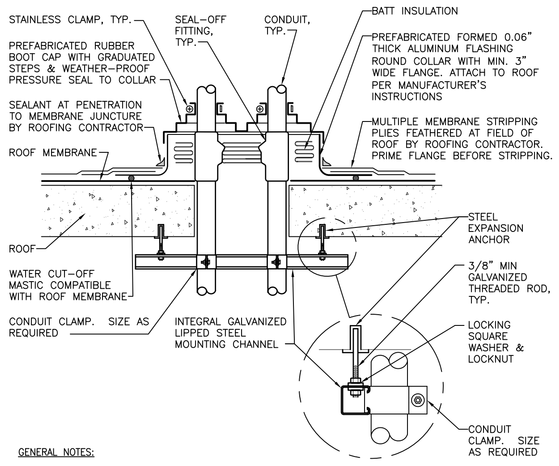
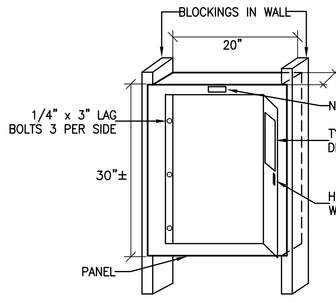


GENERAL NOTES:

1. MAINTAIN A MINIMUM CLEARANCE OF 12" [308mm] ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.
3. VERIFY ROOF & STRUCTURAL SYSTEM WITH ARCHITECT.
4. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

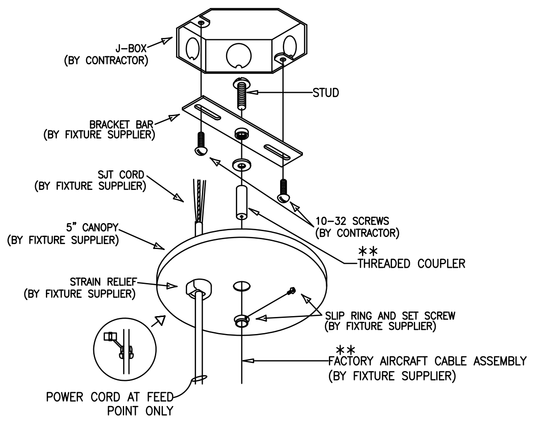
ROOF PENETRATION DETAIL

NTS



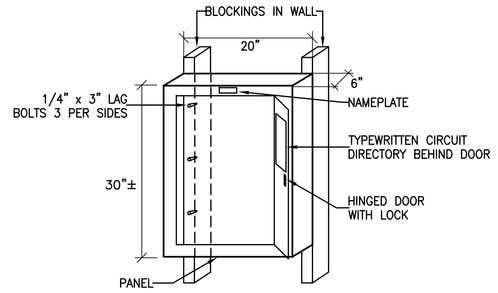
FLUSH PANEL MTG DETAIL

NTS



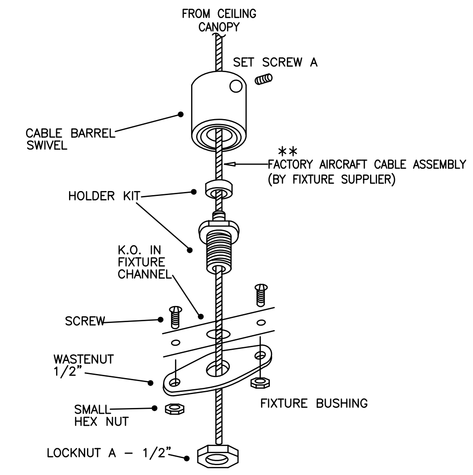
MOUNTING DETAIL AT CEILING

NTS



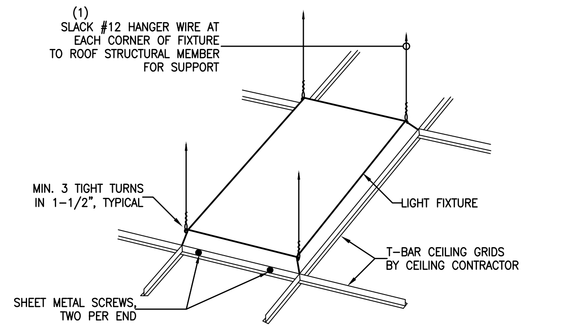
SURFACE PANEL MTG DETAIL

NTS



PENDANT MOUNTING DETAIL AT FIXTURE

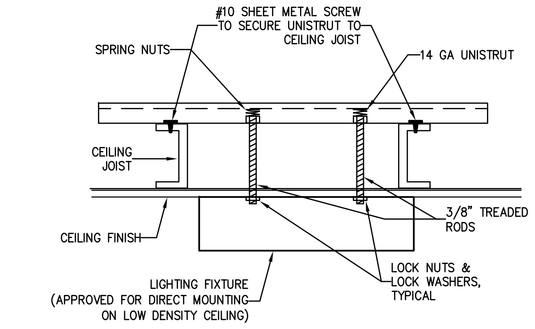
NTS



RECESSED FIXTURE MOUNTING DETAIL

(1) PROVIDE FOUR HANGER WIRES AT OPPOSITE CORNERS FOR HEAVY DUTY RATED CEILING SYSTEM. PROVIDE FOUR HANGER WIRES, ONE AT EACH CORNER, FOR INTERMEDIATE RATED CEILING SYSTEM OR IF THE FIXTURE WEIGHS MORE THAN 56 POUNDS.

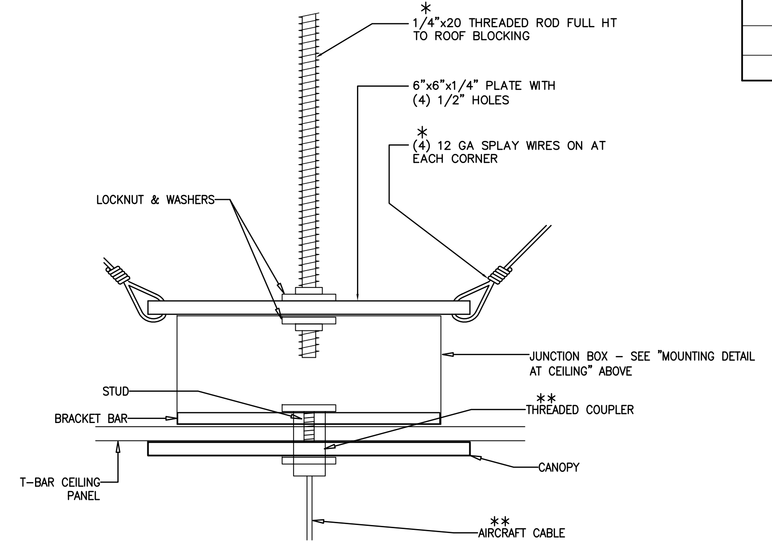
NTS



SURFACE FIXTURE MTG

(FOR CEILING WITH METAL CEILING JOISTS PROVIDE SUPPORT AS INDICATED AT EACH END OF FIXTURE.)

NTS



JUNCTION BOX SUPPORT DETAIL AT T-BAR CLG.

* SEE ARCHITECT/STRUCTURAL DRAWINGS FOR SUPPORT DETAIL TO ROOF STRUCTURE.
** PART OF FACTORY AIRCRAFT CABLE ASSEMBLY.

NTS

FIXTURE SCHEDULE

ALL FLUORESCENT BALLASTS TO BE ENERGY SAVING TYPES, U.O.N., CERTIFIED PER TITLE 24, SECTION 2-5314(a)
ALL FLUORESCENT LAMPS TO BE ENERGY SAVING TYPES, U.O.N., CERTIFIED PER TITLE 24, SECTION 2-5315(a)

TYPE	WATT	LAMP	VOLT	MANUFACTURER	CATALOG No.	MTG	NOTES
A	34	2F14 T5	277	LITHONIA	2RT5 14T5 MVOLT GEB115S	REC.	
B	55	2F24 T5HO		"	2RT5 24T5HO MVOLT GEB95S	"	
C	59	2F28 T5		AXIS	WBR-C-4FT-228T5-W-UNV-ERS-1	FLUSH	(1)
C1	118	4F28 T5		"	WBR-C-8FT-228T5-W-UNV-ERS-1	"	(1)
D	30	1F28 T5		"	BBR-PL-FL-4FT-128T5-W-UNV-ERS-1-TB	REC.	(2)
E	59	2F28 T5		"	BBR-PL-FL-4FT-228T5-W-UNV-ERS-1-TB	"	(2)
F4	89	3F28 T5		"	BB-PL-4FT-T5-2D-1UP-W-UNV-ERS-2C/U/D-CA	PEND.	(3)
F4A	89	3F28 T5		"	BB-PL-4FT-T5-2D-1UP-W-UNV-ERS-2C/U/D+EL/2LD-CA	"	(3)(4)
F8	118	4F28 T5		"	BB-PL-8FT-T5-1D-1UP-W-UNV-ERS-2C/U/D-CA	"	(3)
F12	178	6F28 T5		"	BB-PL-8+4FT-T5-1D-1UP-W-UNV-ERS-2C/U/D-CA	"	(3)
F16	236	8F28 T5		"	BB-PL-8+8FT-T5-1D-1UP-W-UNV-ERS-2C/U/D-CA	"	(3)
F16A	236	8F28 T5		"	BB-PL-8+8FT-T5-1D-1UP-W-UNV-ERS-2C/U/D+E/2LD-CA	"	(3)(4)
F24	354	12F28 T5		"	BB-PL-8+8+8FT-T5-1D-1UP-W-UNV-ERS-2C/U/D-CA	"	(3)
F24A	354	12F28 T5		"	BB-PL-8+8+8FT-T5-1D-1UP-W-UNV-ERS-2C/U/D+E/2LD-CA	"	(3)(4)
G	59	2F28 T5		LITHONIA	AW 2 28 MVOLT GEB10PS	"	
H	59	2F28 T5		LUMINAIRE	VAP 228 ELECT 277 CP WHT EMB100	SURF.	
J	28	1F26 TRT		LITHONIA	AF 1/26TRT 6AR MVOLT	"	
K	58	2F26 TRT		"	AF 2/26TRT 6AR MVOLT	REC.	
M	58	2F26 TRT		BEGA	6735P 277	"	
N	35	1F32 TRT		KURT VERSEN	H8443-1F32-DM1	"	(5)
NE	35	1F32 TRT		"	H8443-1F32-DM1-EM	"	(5)(6)
N1	30	1F26 TRT		"	H8443-1F26-DM1	"	(5)
N1E	30	1F26 TRT		"	H8443-1F26-DM1-EM	"	(5)(6)
P	5.5W PER FT	LED	120	TIVOLI	CVL-120-U-34K-PWR-LEXXFT	COVE	(7)
Q	59	2F28 T5	277	LITHONIA	Z-2-28T5-MVOLT-WG	SURF.	
X	4	LED	277	LITHONIA	LES1R 120/277 ELN	UNV	
X1	4	LED		"	LES2R 120/277 ELN	"	
X2	35	LED		"	AFN-W-EXT	WALL	

FIXTURE SCHEDULE NOTES:

(1) COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE FRAMING AS REQUIRED FOR FLUSHING MOUNTING FIXTURE IN HARD CEILING.

(2) COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE T-BAR GRID CONFIGURATION AS REQUIRED FOR RECESS MOUNTING LINEAR FIXTURE IN T-GRID CEILING.

(3) FIXTURE SHALL BE HUNG WITH AIRCRAFT CABLE AT 18" FROM TOP OF FIXTURE TO CEILING. FIXTURE SHALL COME WITH FACTORY POWER CORD FEED. FIXTURE SHALL BE WIRED FOR SEPARATE SWITCHING OF ROWS OF UPLIGHTS AND DOWNLIGHTS.

(4) FIXTURE SHALL HAVE ADDITIONAL FACTORY EMERGENCY POWER CORD FEED, FACTORY WIRED TO CONNECT ONE BALLAST/2-LAMP DOWNLIGHTS ON EMERGENCY CIRCUIT.

(5) FIXTURE SHALL HAVE FACTORY INSTALLED LUTRON HILUME 1% 3-WIRE DIMMING BALLAST.

(6) FIXTURE SHALL HAVE FACTORY INSTALLED INTEGRAL 90-MINUTE EMERGENCY BATTERY PACK WITH INTEGRAL INDICATING LED AND TEST SWITCH.

(7) 120V LINE VOLTAGE LED COVE LIGHT TO FILL ENTIRE LENGTH OF COVES. REFER TO ARCHITECTURAL RCP AND FIELD VERIFY DIMENSION PRIOR TO FABRICATION. SEE ARCHITECTURAL AND ELECTRICAL PLANS FOR NOTES ON MOUNTING IN COVES.

LIGHTING CONTROL OCCUPANCY SENSOR NOTES:

1. SENSORS SHALL BE AS MANUFACTURED BY WATT STOPPER OR APPROVED EQUAL.
2. ALL WALL MOUNTED OCCUPANCY SENSORS SHALL BE DUAL TECHNOLOGY, DUAL SWITCHING MOTION SENSOR WALL SWITCH WITH SELECTABLE AUTO ON/MANUAL ON AND AUTO OFF FUNCTION, SHALL BE WATT STOPPER DUAL TECHNOLOGY #DW-200 OR APPROVED EQUAL. SET BOTH SWITCHES TO MANUAL ON/AUTO OFF.
3. CEILING MOUNTED LINE VOLTAGE SENSORS FOR ROOMS AND CORRIDORS SHALL BE DT-355 (VOLTAGE AS REQUIRED) DUAL TECHNOLOGY TYPE. WIRE FOR MULTI-WAY SWITCHING WHERE SHOWN ON PLANS.
4. CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR SYSTEM:
   A. POWER SWITCH PACK SHALL BE #BZ-100 DUAL VOLTAGE (120/277 VAC) SELF CONTAINED TRANSFORMER RELAY POWER PACK. MOUNT POWER PACK IN 2-DEEP STACKED JUNCTION BOX IN ATTIC. AUXILIARY RELAY PACKS WHERE SHOWN SHALL BE #S120/277/E-P.
   B. CEILING SENSORS SHALL BE #DT-300 LOW VOLTAGE 360-DEGREE DUAL TECHNOLOGY SENSOR.
   C. CABLE BETWEEN CEILING SENSORS AND FROM OCCUPANCY SENSOR TO POWER PACK SHALL BE #HSSW3P, 3-CONDUCTORS #18. RUN IN 1/2" CONDUIT.
5. LOW VOLTAGE ON/OFF AND BYPASS SWITCHES SHALL BE #RS2-3X WITH #RP2 WALL PLATES. CABLES SHALL BE #HSS-W3 OR EQUAL.
6. CONTRACTOR SHALL PERFORM THE FOLLOWING, WITH THE ASSISTANCE OF EQUIPMENT SUPPLIER AS REQUIRED:
   A. LOCATE CEILING MOUNTED SENSOR FOR MAXIMUM COVERAGE.
   B. PROGRAM ALL WALL MOUNTED SENSOR FOR MANUAL ON, AUTO OFF OPERATION.
   C. SET, TEST AND ADJUST OFF TIME DELAYS AS DIRECTED BY ARCHITECT/OWNER.

Revisions	Date

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Drawing Title: FIXTURE SCHEDULE AND ELECTRICAL DETAILS

Approved Project Director:

Project Title: BUILDING 24 SEISMIC CORRECTION AND ADDITION

Location: VAMC FRESNO, CA

Date: March 12, 2013 | Checked: PK | Drawn: PK/LS

Project Number: 570-215

Building Number: 24

Drawing Number: ES005

Dwg. 155 of 180

Office of Construction and Facilities Management

Department of Veterans Affairs

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