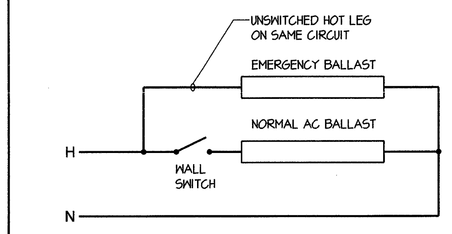
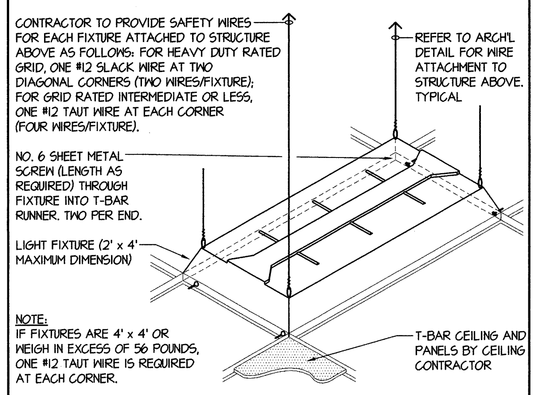


CONNECT LIGHT FIXTURE SO THAT ALL OF THE LAMPS ARE CONTROLLED BY THE WALL SWITCH AND THE LAMP(S) CONNECTED TO THE EMERGENCY BALLAST WILL OPERATE DURING NORMAL POWER OUTAGE REGARDLESS OF THE POSITION OF THE WALL SWITCH.

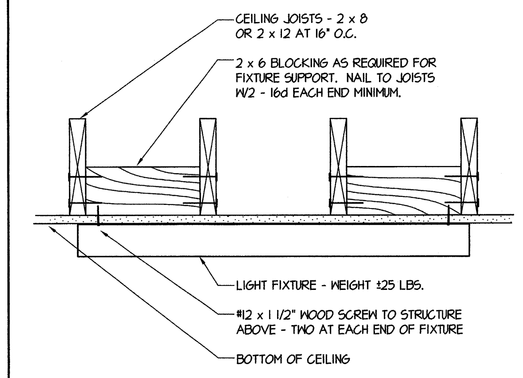
1 EMERGENCY FLUORESCENT FIXTURE WIRING DIAGRAM

NTS



2 RECESSED FIXTURE MOUNTING

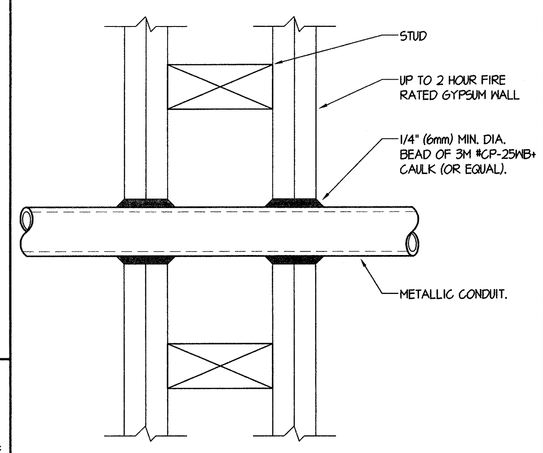
NTS



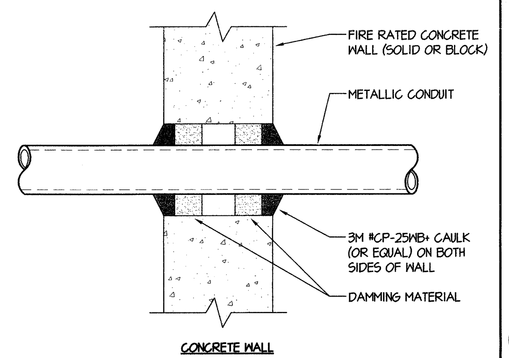
3 SURFACE FIXTURE MOUNTING

NTS

THE FOLLOWING INFORMATION IS FOR REFERENCE ONLY. ALL PENETRATIONS IN FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AS REQUIRED BY C.B.C., CHAPTER 7. THE U.L. FIRESTOP SYSTEM SHALL BE INSTALLED AND USED EXACTLY AS STATED IN THE U.L. FIRE RESISTANCE DIRECTORY.



STUD WALL



CONCRETE WALL

NOTES:

A. THE FIRESTOP SYSTEM MUST BE INSTALLED ON BOTH SIDES OF THE WALL WHEN THE ANNULAR SPACE IS GREATER THAN 1" (25mm).

B. WHEN MAXIMUM ANNULAR SPACE IS 1" (25mm) OR LESS, A 1/2" (13mm) MINIMUM DEPTH OF 3M FIRE BARRIER CP-25WB+ CAULK IS REQUIRED. CP-25WB+ CAULK MAY BE APPLIED TO ONE SIDE OF THE WALL ONLY WHEN MAXIMUM ANNULAR SPACE IS LESS THAN 1" (25mm).

C. WHEN THE MAXIMUM ANNULAR SPACE IS GREATER THAN 1" (25mm), A 1" (25mm) MINIMUM DEPTH OF CP-25WB+ CAULK IS REQUIRED.

D. THE MAXIMUM ANNULAR SPACE TO BE FILLED WITHOUT A COVER PLATE IS 2 1/2" (64mm).

E. POINT CONTACT WITH THE PENETRATING ITEM AND THE THROUGH OPENING IS PERMISSIBLE.

F. THE CP-25WB+ CAULK FIRE RATING IS BASED ON THE WET INSTALLED DEPTH. SHRINKAGE MAY BE EXPECTED AFTER INSTALLATION.

G. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E814 (ANSI/UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #WL10001.

H. 3M MODEL #CP-25WB+ CAULK HAS C.S.F.M. LISTING #4485-0941:103.

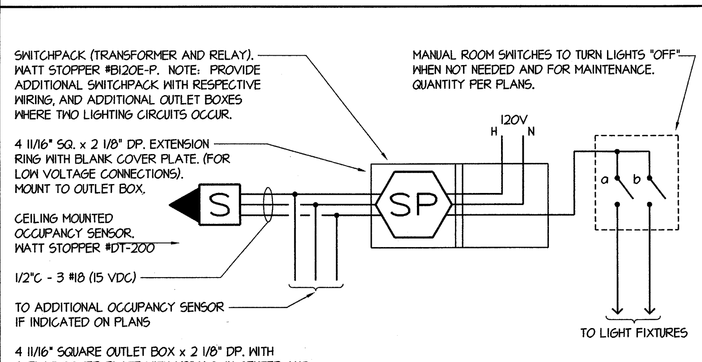
NOTES:

1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP-25WB+ CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
4. INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E814 (ANSI/UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #WL10001.
6. 3M MODEL #CP-25WB+ CAULK HAS C.S.F.M. LISTING #4485-0941:103.

5 CONDUIT PENETRATION FIRESTOP DETAIL

(FOR METALLIC CONDUITS THROUGH FIRE RATED WALLS)

NTS



(SP) LINE VOLTAGE OCCUPANCY SENSOR (WATT STOPPER #DT-355-DUAL TECH)

(S) OCCUPANCY SENSOR WALL SWITCH (WATT STOPPER #WA-200 FOR SINGLE SWITCH CONTROL)

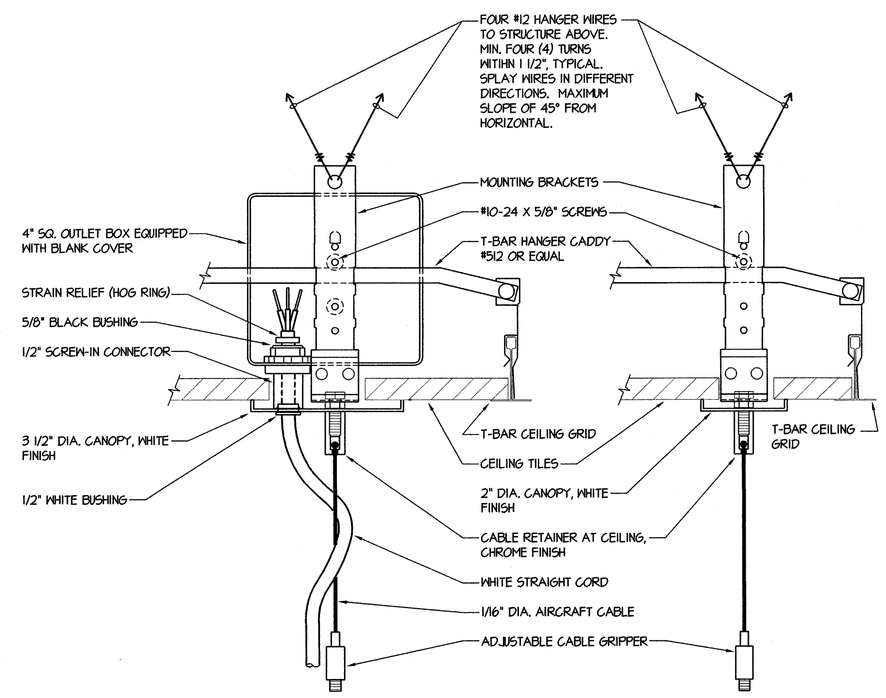
(S)a,b OCCUPANCY SENSOR WALL SWITCH (WATT STOPPER #WI-300 FOR DUAL SWITCH CONTROL)

NOTE - ADJUST OCCUPANCY SENSOR AS FOLLOWS:

1. TIME DELAY - 12 MIN.
2. SENSITIVITY
   a. TURN LIGHTS ON WITH 1/2 STEP INTO ROOM
   b. NO FALSE LIGHTS ON DUE TO MOTION OUTSIDE ROOM OR BY HVAC EQUIPMENT.
   c. SHALL PASS WALK TEST BY ENGINEER.
3. FACTORY REP TO VISIT SITE DURING INSTALLATION OF SENSORS AND SHALL SUPERVISE ADJUSTMENTS
4. IF CRITERIA IN 2a, b, c ABOVE IS NOT SATISFIED ADDITIONAL UNITS SHALL BE INSTALLED AT NO EXTRA COST.

6 OCCUPANCY SENSOR WIRING DIAGRAM

NTS



FEED LOCATION

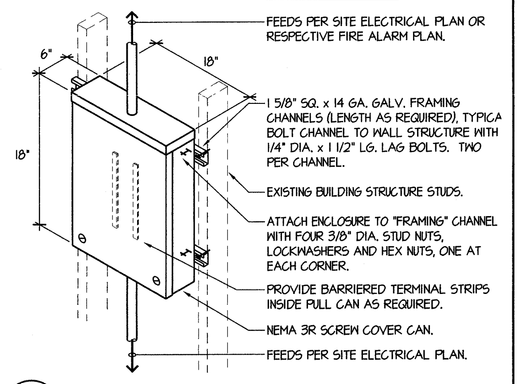
NON-FEED LOCATION

4 FIXTURE "A" MOUNTING

SIMILAR MOUNTING FOR TYPE "A2" FIXTURE

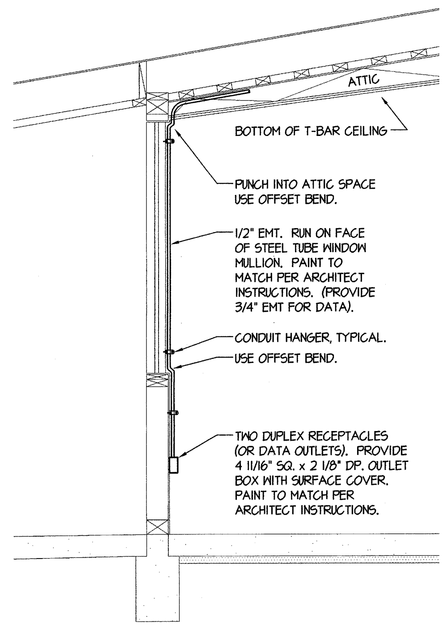
NTS

ALL CONSTRUCTION N.P.



7 EXTERIOR SIGNAL TERMINAL CABINET

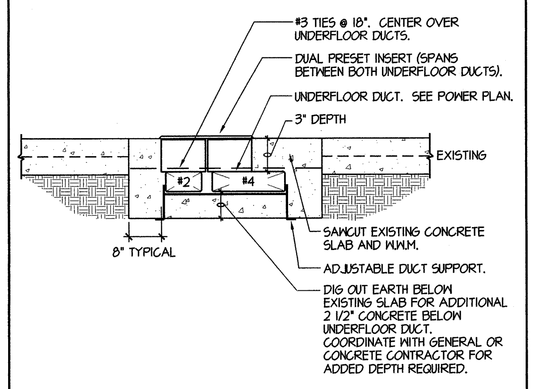
NTS



8 DUPLEX RECEPTACLE / DATA OUTLET MOUNTING

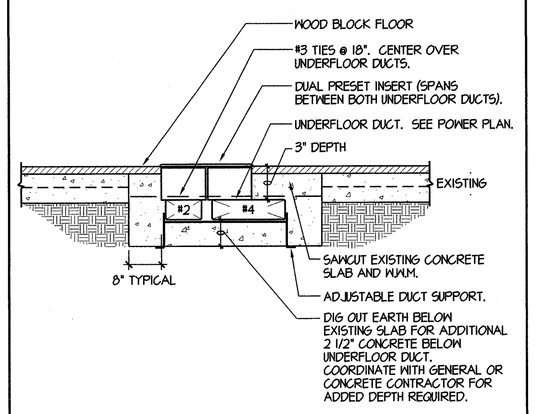
(NORTH WALL OF TYPICAL CLASSROOM)

NTS



9 UNDERFLOOR DUCT MOUNTING

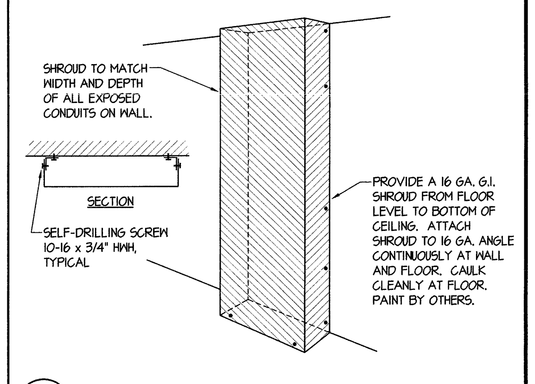
NTS



10 UNDERFLOOR DUCT MOUNTING

AT EXISTING WOOD BLOCK FLOOR

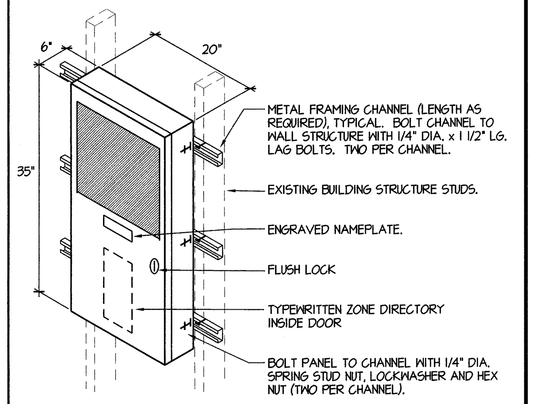
NTS



11 SHROUD AT SURFACE CONDUITS

(FOR ENCLOSING OF EXPOSED CONDUITS)

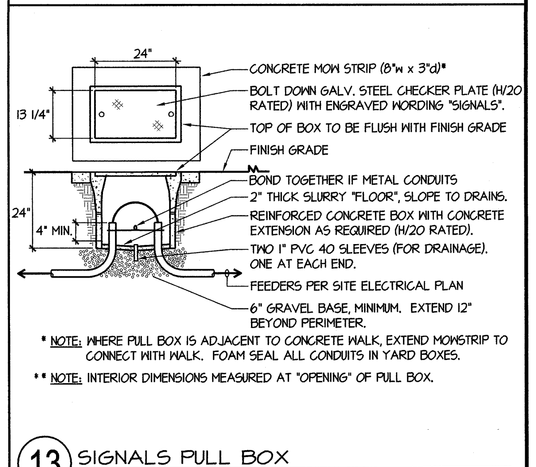
NTS



12 FIRE ALARM CONTROL PANEL "F.A.C.P."

POWER EXPANDER PANELS (F.A.X.P.) SIMILAR

NTS



* NOTE: WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. FOAM SEAL ALL CONDUITS IN YARD BOXES.

** NOTE: INTERIOR DIMENSIONS MEASURED AT "OPENING" OF PULL BOX.

13 SIGNALS PULL BOX

NTS

ORDIZ MELBY
ARCHITECTS, INC.
5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291

LICENSED ARCHITECT WILLIAM JOHN MELBY No. C-16835 DEC. 31 2007 RENEWAL DATE STATE OF CALIFORNIA

DANNY E. ORDIZ, AIA ARCHITECT C-14,728
WILLIAM J. MELBY, AIA ARCHITECT C-16,835

CONSULTANT

PROFESSIONAL ENGINEER PROCEDURE W.M.M. Exp. 6/30/08 ELECTRICAL STATE OF CALIFORNIA

Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

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BAKERSFIELD CITY SCHOOL DISTRICT

1116 LYMRIC WAY BAKERSFIELD CALIFORNIA 93309

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