



SYSTEM NO. WL1001

(FORMERLY SYSTEM NO. 147)
F RATINGS - 1,2,3 AND 4 HR. (SEE ITEM 2 & 3)
T RATINGS - 0,1,2,3 AND 4 HR. (SEE ITEM 3)

- 1) WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE RATED GYPSUM WALLBOARD/STUO WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL FIRE RATED SYSTEMS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- STUO-WALL FRAMING MAY CONSIST OF EITHER WOOD STUO STUDS MAX. 2 HR. FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS MAX. 2 HR. FIRE RATED ASSEMBLIES) WITH 1/2" G. C. STUDS WITH ORNOM 2 BY 4 LUMBER END PLAINS AND CROSS BRACES. STEEL STUDS TO BE MIN. 3/8X IN. WITH 1/3X IN. DEEP CHANNELS SPACED MAX. 24 IN. O.C.
- 2) GYPSUM WALLBOARD SHALL BE 5/8" THICK, TYPE X, TYPE I OR TYPE II UNFACED OR TAPEFED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SPACING ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL L3000 OR L4000 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DAM OF OPENING IS 15-120.
- 2) PIPE OR CONDUIT - NOM 12 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE; NOM 12 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE; NOM 12 IN DIAM (OR SMALLER) METALLIC TUBING OR TYPE I (OR HEAVIER) COPPER TUBING OR NOM 1 IN DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT WHEN COPPER PIPE OR FLEXIBLE STEEL CONDUIT IS USED, MAX F RATING OF THE SYSTEM (PIPE OR CONDUIT) SHALL BE 1/2 HR. IF THE SYSTEM IS NOT A FIRE RATED SYSTEM, IT MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR THE TOP OF THE STUD CAVITY WITH THE TOP OF THE PIPE OR CONDUIT ON BOTH SIDES OF THE ASSEMBLY.
- 3) FILL, VOID OR CAVITY MATERIAL - CAULK/CRAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH MIN. 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS 90 DEGREES FROM THE WALL. CAULKING SHALL SYMBOLICALLY BE SHOWN ON BOTH SIDES OF THE WALL. THE TYPE OF CAULKING IN THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY RATING OF THE FIRE-STOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW.

<u>FILL MATERIAL IDENTIFICATION</u>	<u>MINIMUM THICK OF FILL MATERIAL (IN.)</u>
TYPE FS FOAM	1
TYPE FS SEALANT OR FS SEALANT SL	1/2

DOWN CORNING CORP. - TYPES FS SEALANT, FS SEALANT SL (FLOOR ONLY) OR FS FOAM

- BEARING THE UL CLASSIFICATION MARKING.

- * BEARING THE UL CLASSIFICATION MARKING.

2 LIGHT FIXTURE MOUNTING AND BRACING DETAIL

NO SCALE

SPECIFIC NOTES:

- 1 WHERE INDICATED ON PLAN (FIXTURE SHADED) SUPPLY WITH INTEGRAL HIGH LUMEN EMERGENCY BATTERY PACK
- 2 WIRE EMERGENCY BATTERY PACKS TO HOT LEG NOT SWITCH LEG
- 3 PROVIDE BY-LEVEL DIMMING FOR FIXTURE INDICATED ON PLAN FOR 50% AND 100% LIGHT LEVEL
- 4 REFERENCE PLAN / PLAN NOTES FOR ADDITIONAL PROGRAMMING OPTION.
- 5 FIXTURE ON 247, STANDARD 50% LIGHT OUTPUT WHEN UNOCCUPIED / 100% OUTPUT WHEN OCCUPIED

SUBSTITUTION NOTES:

THE LIGHTING DESIGN FOR THIS PROJECT IS BASED UPON OWNERS SPECIFIED MANUFACTURER. IF AN ADDITIONAL SUBSTITUTION IS DESIRED BY THE CONTRACTOR, A SUBSTITUTION REQUEST MUST BE PROVIDED AS FOLLOWS:

- S1. SUBSTITUTION REQUEST MUST BE RECEIVED BY THE ENGINEER IN WRITING 10 DAYS PRIOR TO BID. FAILURE TO SUBMIT CONSTITUTES A GUARANTEE TO SUPPLY THE SPECIFIED FIXTURES.
- S2. INFORMATION IS TO BE SUPPLIED COMPARING PHOTOMETRY (WITH FLOOR PLANS INDICATING POINT BY POINT CALCULATIONS) DIMENSIONS, MATERIALS, FINISHES, APPEARANCE AS WELL AS THE CONTRACTOR NET PRICING. SAMPLES ARE TO BE PROVIDED UPON REQUEST.
- S3. GREAT CARE, TIME AND EXPENSE HAVE BEEN USED TO PROVIDE OUR CLIENT WITH THE LIGHTING AND CONTROLS SYSTEM.
- S4. IF REQUEST, FOR EACH ITEM OFFERED AS AN UNLICENCED ALTERNATE, A \$500.00 FEE WILL BE CHARGED TO THE CONTRACTOR FOR REVIEW OF THE ALTERNATE FIXTURE. THIS CHARGE IS IN NO WAY A GUARANTEE OF APPROVAL, BUT IS SOLELY TO COMPENSATE THE ENGINEER FOR TIME SPENT VALIDATING EQUALITY AND COMPATIBILITY WITH THE PROJECT REQUIREMENTS. THIS REIMBURSEMENT MUST BE RECEIVED BY THE ENGINEER PRIOR TO ANY REVIEW COMMENCEMENT.
- S5. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.
- S6. MANUFACTURERS REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MM-LIGHT PRICING FOR SPECIFIED LIGHTING FIXTURES.
- S7. LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH THE BIDDING WILL BE DISCARDED.

GENERAL NOTE:
G1. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ANY LIGHT FIXTURES

Department of
Veterans Affairs