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FAX COVER SHEET

FAX NUMBER TRANSMITTED TO: 643-9083
TO: Jim Luttrell
FROM: R. Wiltse / Dammon Eng.
CLIENT/MATTER: RG Center
REFERENCE: _____
DATE: 3.26.08 NO. OF PAGES INCLUDING COVER SHEET: 4

COMMENTS: Jim,

I sent the review architect the wall section detail attached.

The penetration of the Exit Stair Enclosure walls by the trusses is not allowed, see his comments.

The wall detail will have to be revised.

R. Wiltse

IF YOU EXPERIENCE ANY PROBLEMS RECEIVING THIS FAX, PLEASE CALL (985) 649-5832,
OR FAX (985) 641-5950

1/2" PLYWOOD

AND JOINT CAULKED WITH INTUMESCENT FIRE RATED CAULKING.

USE TREATED 1/2" PLYWOOD WITH STUCCO WRAP, UNDER ALL STUCCO SURFACES INSTALL AS CLADDING SUPPORT TO WITHSTAND 31.0 PSF & - 36.9 PSF AND LATERAL SUPPORT (SEE A4 FOR NAIL PATTERN)

USE #SP-1 TO SECURE STUDS TO BOTTOM PLATE, SP-2 TO TOP PLATE, AND #PHD2-SDS3 AT ALL MAIN BUILDING CORNERS

WALL VOIDS TO BE FILLED WITH CONCRETE WITH FIBER REINFORCING

REBAR PLACED HORIZONTALLY GRADE BEAM IN THE TOP OF THE CONCRETE BLOCK WALL.

REBAR PLACED VERTICALLY AT REGULAR INTERVALS

2 LAYERS OF 5/8" X TYPE GYPSUM SHEETING ALL JOINTS TO BE SEAMED, AND ALL PENETRATIONS TO BE FIRE CAULKED (SEE FM WP 360) FOR DETAILS

2 LAYERS OF 5/8" X TYPE GYPSUM SHEETING ALL JOINTS TO BE SEAMED, AND ALL PENETRATIONS TO BE FIRE CAULKED (SEE FM WP 360) FOR DETAILS

3/4" T & G PLYWOOD GLUE & NAILED PER A4
UL L542

1/2" PLYWOOD WITH STUCCO WRAP, UNDER ALL STUCCO SURFACES INSTALL AS CLADDING SUPPORT TO WITHSTAND 31.0 PSF & - 36.9 PSF AND LATERAL SUPPORT (SEE A4 FOR NAIL PATTERN)

2 LAYERS OF 5/8" X TYPE GYPSUM SHEETING (SEE *UL 301A*) FOR DETAILS

2 LAYERS OF 5/8" X TYPE GYPSUM SHEETING (SEE *UL 301A*) FOR DETAILS

USE #SP-1 TO SECURE STUDS TO BOTTOM PLATE, SP-2 TO TOP PLATE, AND #PHD2-SDS3 AT ALL MAIN BUILDING CORNERS

FM WP 360

FM WP 360

2X4 STUDS 16" O.C. WALLS WITH 1" SEPERATION

WALL VOIDS TO BE FILLED WITH CONCRETE WITH FIBER REINFORCING

5/8" "J" BOLTS 10" LONG ON 28" CENTERS WITH WITH MIN. 7" EMBEDDED IN CONCRETE. ALL LOAD BEARING WALLS SHALL BE BOLTED TO FOUNDATION.

2X4 TREATED

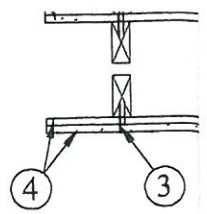
PAINTED MDF BASE

REBAR PLACED HORIZONTALLY GRADE BEAM IN THE TOP OF THE CONCRETE BLOCK WALL.

REBAR PLACED VERTICALLY AT REGULAR INTERVALS

SEE FOUNDATION PLAN FOR FOOTING DETAILS

TYPICAL SEPARATION WALL SECTION



1. NAILHEADS - EXPOSED

2. JOINTS - EXPOSED FINISHER. AS AN ALTERNATIVE TO VENEER PLASTER CLASSIFIED VENEER

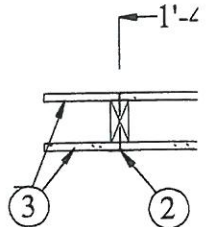
3. NAILS - 6D CEM SHANK DIAM, 1/4" SHANK DIA, NAILS 2-3/8 IN LONG

4. GYPSUM BOARD ATTACHED HORIZONTALLY TO STUDS WITH THE JOINTS ATTACHED TO STUDS WITH LONG NAILS SPACING STUDS. ALL JOINTS TO BE COVERED BY BASE LAYERS OF GYPSUM BOARD

C
A-5

DESIGN

BEARING



1. NAILHEADS - EXPOSED

2. JOINTS - EXPOSED FINISHER. AS AN ALTERNATIVE TO VENEER PLASTER CLASSIFIED VENEER

3. GYPSUM BOARD ATTACHED HORIZONTALLY TO STUDS WITH THE JOINTS ATTACHED TO STUDS WITH LONG NAILS SPACING STUDS. ALL JOINTS TO BE COVERED BY BASE LAYERS OF GYPSUM BOARD

This is exactly the type of condition that needs to be avoided and why I asked for the details.
Comply with 101:7.1.3.2 (6) for allowable penetrations of the exit enclosure assembly.
This requirement is more restrictive than just a 1 hour separation wall,
which is what you have shown me on the attached, pdf

Jim Waite
Architect, CBO
Office of the Louisiana State Fire Marshal - Plan Review
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- i. The space is used solely for non-fuel-fired mechanical equipment.
- ii. The space contains no storage of combustible materials.
- iii. The building is protected throughout by an approved, supervised automatic sprinkler system in accordance with Section 9.7.

(6) Penetrations into, and openings through, an exit enclosure assembly shall be limited to the following:

- (a) Doors permitted by 7.1.3.2.1(5)
 - (b) Electrical conduit serving the stairway
 - (c) Required exit doors
 - (d) Ductwork and equipment necessary for independent stair pressurization
 - (e) Water or steam piping necessary for the heating or cooling of the exit enclosure
 - (f) Sprinkler piping
 - (g) Standpipes
 - (h) Existing penetrations protected in accordance with 8.3.5
 - (i) Penetrations for fire alarm circuits, where the circuits are installed in metal conduit and the penetrations are protected in accordance with 8.3.5
- (7) Penetrations or communicating openings shall be prohibited between adjacent exit enclosures.

~~7.1.3.2.2~~ An exit enclosure shall provide a continuous protected path of travel to an exit discharge.

7.1.3.2.3* An exit enclosure shall not be used for any purpose that has the potential to interfere with its use as an exit and, if so designated, as an area of refuge. (See also 7.2.2.5.3.)

7.1.4 Interior Finish in Exit Enclosures.

7.1.4.1* Interior Wall and Ceiling Finish in Exit Enclosures. Interior wall and ceiling finish shall be in accordance with Section 10.2. In exit enclosures, interior wall and ceiling finish materials complying with Section 10.2 shall be Class A or Class B.

7.1.4.2* Interior Floor Finish in Exit Enclosures. New interior floor finish in exit enclosures, including stair treads and risers, shall be not less than Class II in accordance with Section 10.2.

7.1.5* Headroom.

7.1.5.1 Means of egress shall be designed and maintained to provide headroom in accordance with other sections of this Code, and such headroom shall be not less than 7 ft 6 in. (2285 mm), with projections from the ceiling not less than 6 ft 8 in. (2030 mm) nominal above the finished floor, unless otherwise specified in 7.1.5.1.1 and 7.1.5.1.2.

7.1.5.1.1 In existing buildings, the ceiling height shall be not less than 7 ft (2135 mm) from the floor, with projections from the ceiling not less than 6 ft 8 in. (2030 mm) nominal above the floor.

7.1.5.1.2 Headroom in industrial equipment access areas as provided in 40.2.5.2 shall be permitted.

7.1.5.2 The minimum ceiling height shall be maintained for not less than two-thirds of the ceiling area of any room or space, provided that the ceiling height of remaining ceiling area is not less than 6 ft 8 in. (2030 mm).

7.1.5.3 Headroom on stairs shall be not less than 6 ft 8 in. (2030 mm) and shall be measured vertically above a plane parallel to and tangent with the most forward projection of the stair tread.

7.1.6 Walking Surfaces in the Means of Egress.

7.1.6.1 General.

7.1.6.1.1 Walking surfaces in the means of egress shall comply with 7.1.6.2 through 7.1.6.4.

7.1.6.1.2 Approved, existing walking surfaces shall be permitted.

7.1.6.2 Changes in Elevation. Abrupt changes in elevation of walking surfaces shall not exceed ¼ in. (6.3 mm). Changes in elevation exceeding ¼ in. (6.3 mm), but not exceeding ½ in. (13 mm), shall be beveled 1 to 2. Changes in elevation exceeding ½ in. (13 mm) shall be considered a change in level and shall be subject to the requirements of 7.1.7.

7.1.6.3 Level.

7.1.6.3.1 Walking surfaces shall comply with the following:

- (1) Walking surfaces shall be nominally level.
- (2) The slope of a walking surface in the direction of travel shall not exceed 1 in 20, unless the ramp requirements of 7.2.5 are met.
- (3) The slope perpendicular to the direction of travel shall not exceed 1 in 48.

7.1.6.4* Slip Resistance. Walking surfaces shall be slip resistant under foreseeable conditions. The walking surface of each element in the means of egress shall be uniformly slip resistant along the natural path of travel.

7.1.7 Changes in Level in Means of Egress.

7.1.7.1 Changes in level in means of egress shall be achieved by an approved means of egress where the elevation difference exceeds 21 in. (535 mm).

7.1.7.2* Changes in level in means of egress not in excess of 21 in. (535 mm) shall be achieved either by a ramp complying with the requirements of 7.2.5 or by a stair complying with the requirements of 7.2.2.

7.1.7.2.1 Where a ramp is used, the presence and location of ramped portions of walkways shall be readily apparent.

7.1.7.2.2 Where a stair is used, the tread depth of such stair shall be not less than 13 in. (330 mm).

7.1.7.2.3 Tread depth in industrial equipment access areas as provided in 40.2.5.2 shall be permitted.

7.1.7.2.4 The presence and location of each step shall be readily apparent.

7.1.8* Guards. Guards in accordance with 7.2.2.4 shall be provided at the open sides of means of egress that exceed 30 in. (760 mm) above the floor or grade below.

7.1.9 Impediments to Egress. Any device or alarm installed to restrict the improper use of a means of egress shall be designed and installed so that it cannot, even in case of failure, impede or prevent emergency use of such means of egress, unless otherwise provided in 7.2.1.6 and Chapters 18, 19, 22, and 23.

7.1.10 Means of Egress Reliability.

7.1.10.1* General. Means of egress shall be continuously maintained free of all obstructions or impediments to full instant use in the case of fire or other emergency.

7.1.10.2 Furnishings and Decorations in Means of Egress.

7.1.10.2.1 No furnishings, decorations, or other objects shall obstruct exits, access thereto, egress therefrom, or visibility thereof.

7.1.10.2.2 No obstruction by railings, barriers, or gates shall divide the means of egress into sections appurtenant