FIRE RESISTANCE RATINGS - ANSI/UL263 (BXUV) - Continued
Design No. U419
Non Bearing Wall Rating - 1, 2, 3 or 4 Hr (See Items 3 & 4)

1. ***Floor and Ceiling Runners*** - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. ***Steel Studs*** - Channel shaped, fabricated from min 25 MSG corrosion - protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and ¾ in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to ½ in. less than assembly height.

3. ***Batts and Blankets**** - (Required as indicated under Item 4) - Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See Batts and Blankets (BKNV or BZAZ) Categories for names of Classified companies.
3A. Batts and Blankets* - Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZAZ) Categories for names of Classified companies.

4. ***Wallboard, Gypsum**** - Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal edge joints and horizontal butt joints on opposite side of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on Each side of Wall

Rating	Min. Stud Size	Gyp. Thkns.	Insulation
1	3-1/2	1 layer, ⅝"	Optional
1	2-1/2	1 layer, ⅝"	1-1/2"
2	1-5/8	2 layers, ½"	Optional
2	1-5/8	2 layers, ⅝"	Optional
2	3-1/2	1 layer, ⅝"	3"
3	1-5/8	3 layers, ½"	Optional
3	1-5/8	2 layers, ⅝"	Optional
4	1-5/8	4 layers, ½"	Optional
4	2-1/2	2 layers, ⅝"	2"

Canadian Gypsum Co. - ½ in. thick Type C, WRC or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC or IP-X2; ½ in. thick ULTRACODE or Type IP-X3
United States Gypsum Co. - ½ in. thick Type C, WRC or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC or IP-X2; ½ in. thick ULTRACODE or Type IP-X3
Yeso Panamericano SA de CV - ½ in. thick Type C, WRC or IP-X2; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC or IP-X2; ½ in. thick ULTRACODE or Type IP-X3.

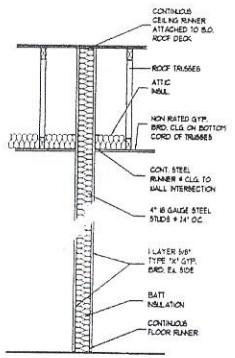
5. ***Fasteners*** - Type S or S-12 self-drilling, self-tapping steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for ½ and 5/8 in. thick panels or 1-1/4 in. long for ½ in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. Two layer systems: First layer - 1 in. long for ½ and 5/8 in. thick panels or 1-1/4 in. long for ½ in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for ½ in. thick panels or 2-1/4 in. long for ½ in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for ½ in. thick panels, spaced 24 in. OC Second layer - 1-5/8 in. long ½ in. thick panels, spaced 24 in. OC. Third layer - 2 - ½ in. long ½ in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer - 1 in. long for ½ in. thick panels, spaced 24 in. OC. Second layer - 1-5/8 in. long for ½ in. thick panels, spaced 24 in. OC. Third layer - 2 -1/4 in. long for ½ in. thick panels, spaced 24 in. OC. Fourth layer - 2 - 5/8 in. long for ½ in. thick panels, spaced 12 in OC. Screws offset min 6 in. from layer below.

6. ***Furring Channels*** - (Optional, not shown, for single or double layer systems) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 pan/head steel screws.

7. ***Joint Tape and Compound*** - Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer panels.

8. ***Siding, Brick or Stucco*** - Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

9. ***Caulking and Sealants**** - A bead of acoustical sealant applied around the partition perimeter for sound control.
United States Gypsum Co. - Type AS
*Bearing the UL Classification Marking



2 / A22A — 1 HOUR FIRE RATED WALL SECTION

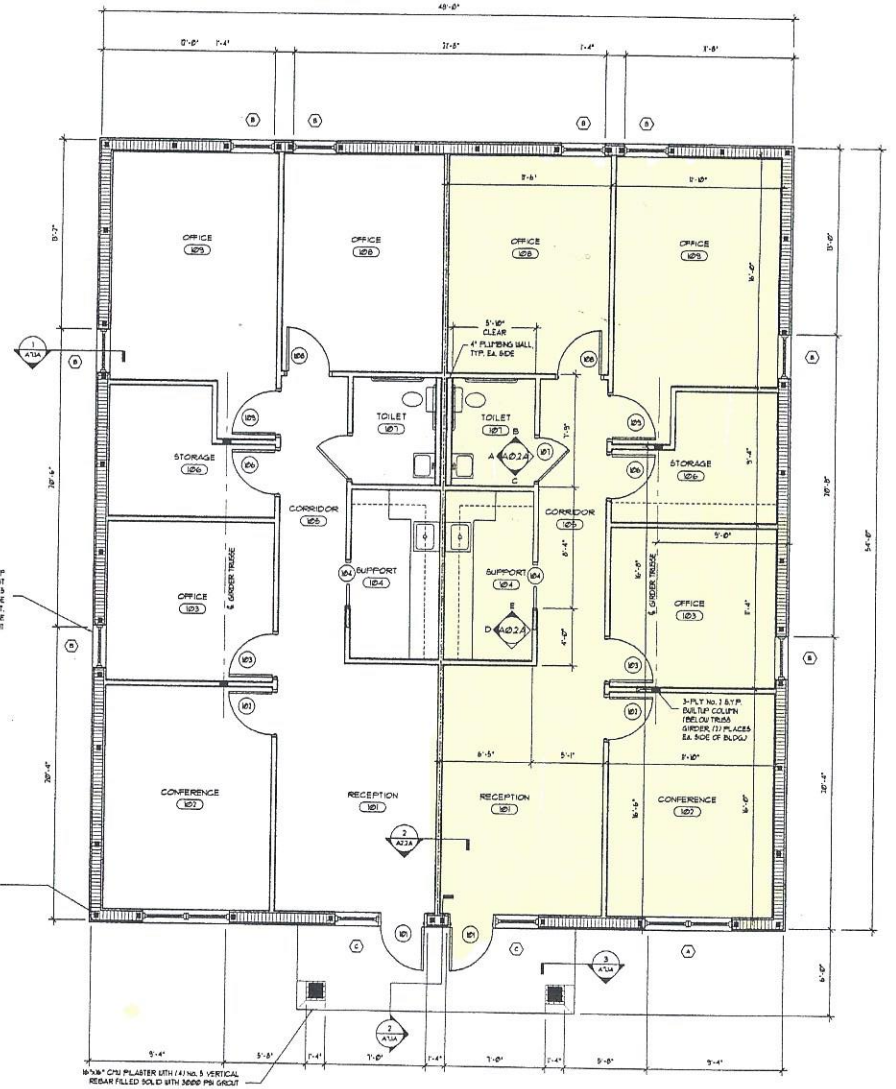
3/4" = 1'-0"

WALL LEGEND

1- No. 5 VERTICAL IN FILLED CELL RUN FROM FOUNDATION TO TIE BEAM.
8" CMU EXTERIOR SHELL. SEE (A2.)

GYPSUM WALL, HT. TO UNDER SIDE OF TRUSS, 3 5/8" METAL STUD WITH 1/2" GYPSUM BOARD EACH SIDE. INSTALL 3 1/2" THICK ACOUSTICAL BATT INSULATION AT ALL INTERIOR WALLS EXCEPT ROOMS 104 AND 106.

1-HR RATED UL 465 NON-LOAD BEARING WALL PARTITION WITH NO PENETRATIONS. WALL FROM SLAB TO UNDER SIDE OF ROOF DECK



REF (B) 1 / A2.2A — FLOOR PLAN

1/4" = 1'-0"

COMMENTS / REVISIONS / FORMAT SET — DATE: SEPTEMBER 8, 2005 — SEAL:

Wallis Murphey Boyington

110 South Kentucky Avenue
Lakeland, Florida 33801
Phone 863.687.3572
Fax 863.687.4370
Web wmbarchs.com
Email mail@wmbarchs.com
Cert. Lic. No. AA0001163

OFFICE BUILDING "A"
SOUTHERN PLAZA
3255 S. 3981 EDGEWOOD DRIVE & LAKELAND HIGHLANDS ROAD
LAKELAND, FLORIDA

DWG. TITLE: FLOOR PLAN

DR. BY: KDH
CHKD. BY: JTT
DATE: 8/5/05
SCALE: 1/4"=1'-0"
PROJ. NO: 0407T-A
DWG. No: A2.2A
SHT: 5 OF: 9