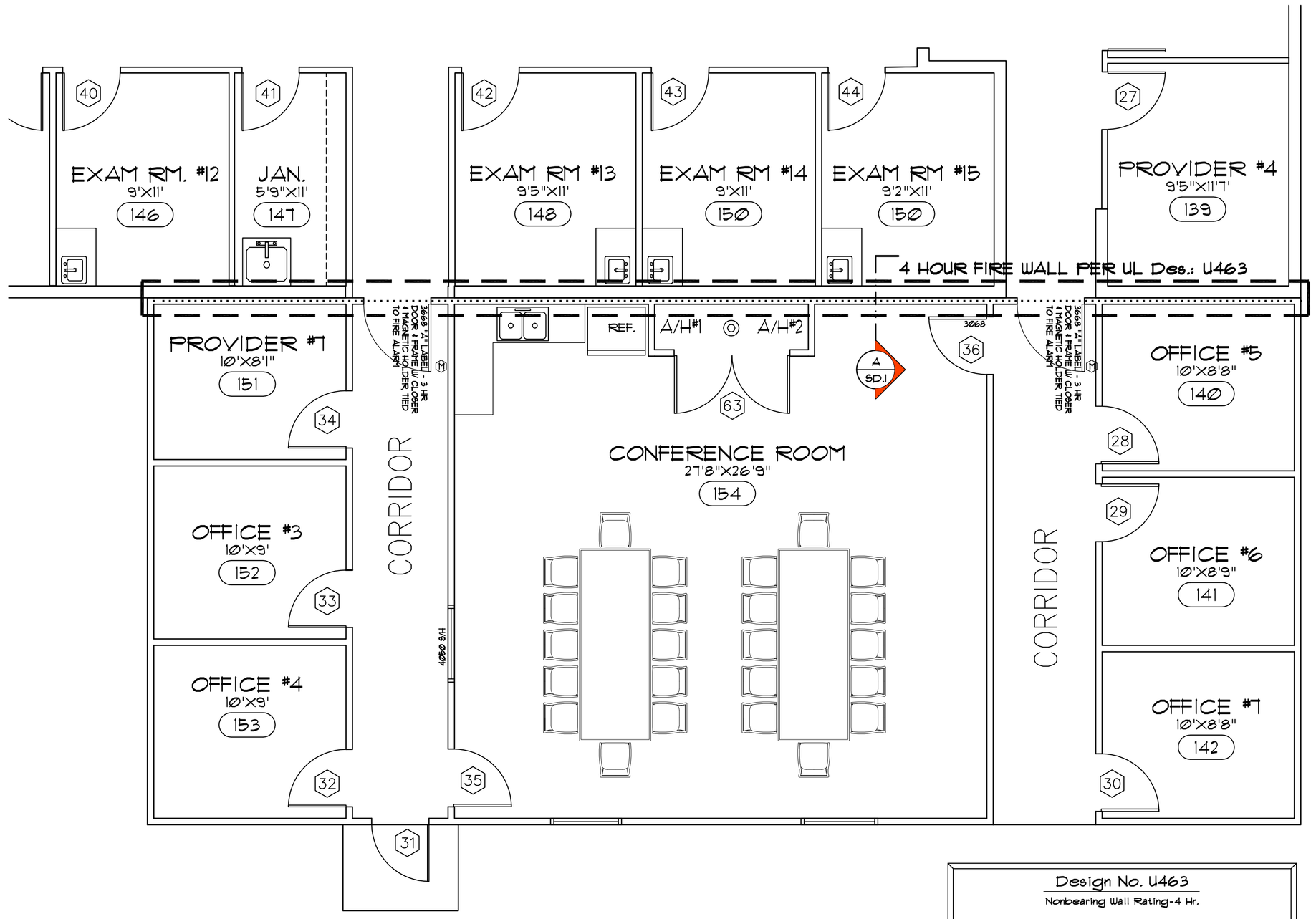
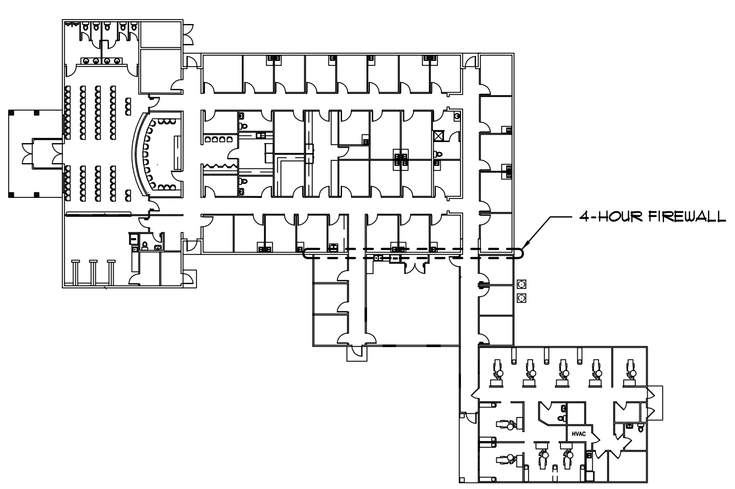


4-HOUR FIREWALL PLAN

SCALE: 1/4" = 1'-0"

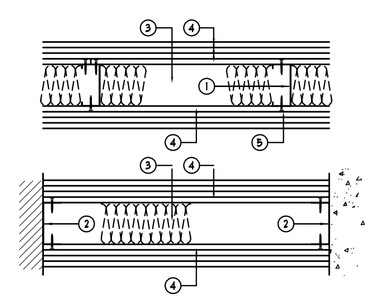


4-HOUR FIREWALL PLAN

SCALE: 1/4" = 1'-0"

Design No. U463

Nonbearing Wall Rating-4 Hr.



1. Studs - Channel-shaped, 1-5/8 in. wide by 1 1/4 in. deep, with 5/16 in. folded back return flange legs. Fabricated from No. 25 MSG galvanized steel. Stud spacing 16 or 24 in. D.C. Studs to be cut 1 in. less than assembly height.

2 Floor and Ceiling Runners - Channel-shaped runners, 1-5/8 in. wide by 1-1/4 in. deep, fabricated from No. 25 MSG galvanized steel. Attached to floor and ceiling with fasteners spaced 24 in. D.C, max.

3. Batts and Blankets' - (optional) - Nominal 1-1/2 in. thick, placed in interior of wall cavity.

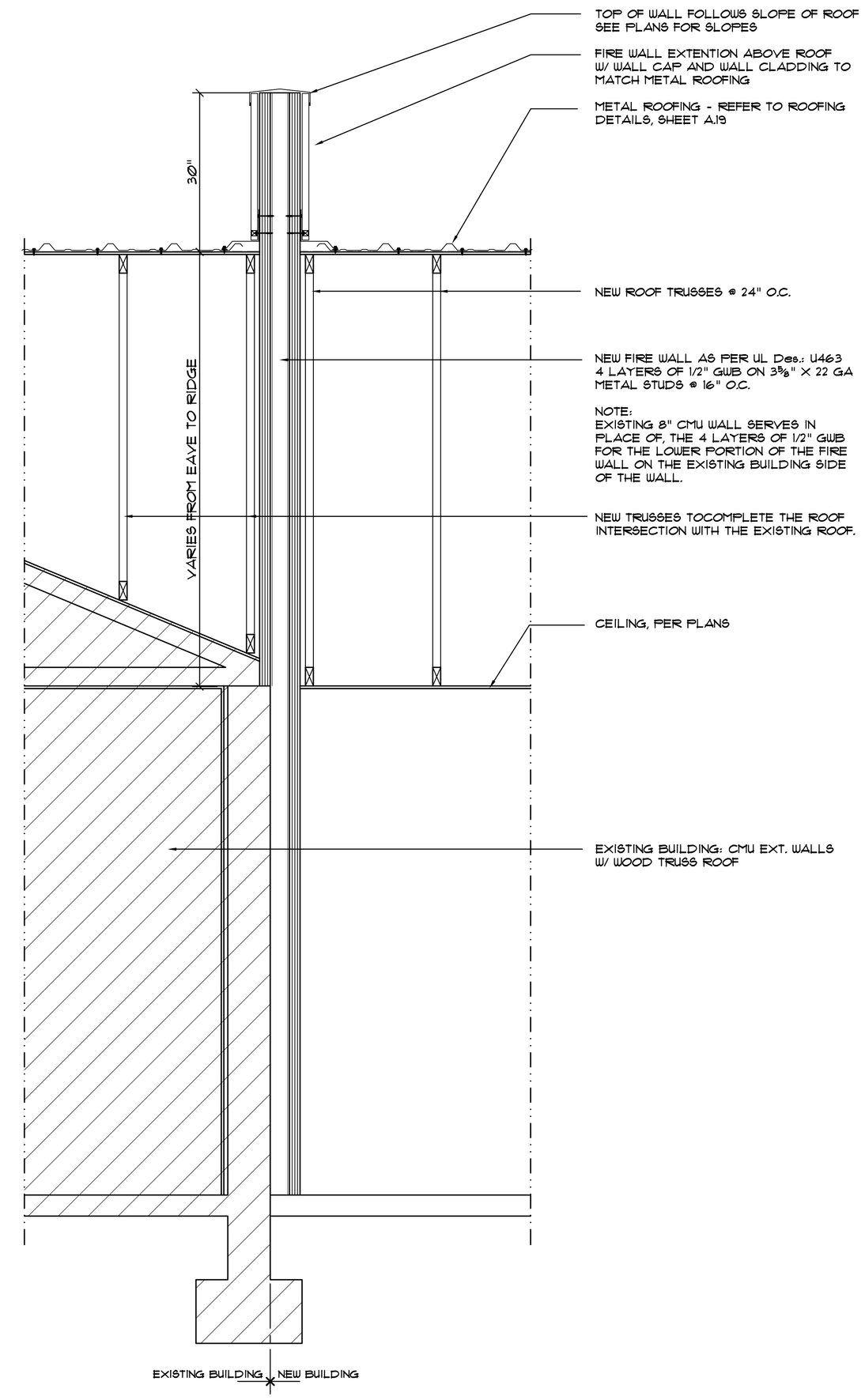
See Batts and Blankets (BZDX) category for names of manufacturers.

4. Wallboard, Gypsum' 1/2 in. thick, 4 ft wide with square or tapered edges.

For 4 Hour Rating - Four layers of wallboard to be used. Inner layers to be applied vertically with joints centered over studs. Outer layer may be applied vertically or horizontally. First layer fastened to each stud with 1 in. long Type S, self-tapping steel screws. Second layer fastened to each stud through the first layer with 1-5/8 in. long, Type S, self-tapping steel screws. Third layer fastened to each stud through the first and second layers with 2-1/4 in. long, Type S, self-tapping steel screws. Fourth layer fastened to each stud through the first, second and third layers with 2-5/8 in. long, Type S, self-tapping steel screws. First layer screws shall be located 5 in. from top and bottom of wall with a maximum spacing of 48 in. D.C. vertically between top and bottom screws. Second and third layer screws shall be located 4 and 3 in' respectively, from the top and bottom of wall with the same vertical spacing as the first layer screws. Fourth layer screws shall be located 2 in. from top and bottom of wall and spaced 12 in. D.C. vertically. Each fourth layer horizontal board end shall be centered over and secured to the stud with screws spaced 1/2 in. from end joint and 12 in. D.C. vertically. Board end joints shall be staggered. At board side joints all screws shall be located 1/2 in. from the joints. Fourth layer also secured to the second and third layers with 1-1/2 in. long, Type G, self-tapping steel screws located midway between studs and 1 in. from the horizontal joint. Joints in each layer of wallboard to be staggered from the joints in the adjacent layer and on opposite sides of studs.

Celotex Corp. The-- Type FRP.

Joint Tape and Compound (Not Shown)-Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads. Paper tape, 2 in. wide, embedded in first layer of compound over all joints. Bearing the UL Classification Marking



SECTION @ 4-HOUR FIREWALL

SCALE: 3/4" = 1'-0"

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PROJECT
PALMS MEDICAL GROUP EAST
LAKE CITY, FLORIDA
4-HOUR FIREWALL PLAN & SECTION

Celebrating 50 Years of Service
1972 - 2022
N.P. Geisler, Architect
AR0007005
CUSTOM ARCHITECTURAL DESIGN
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COMM: 2K2252

SHEET: SD.2

2 OF 2

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