in. high, return ith fasteners 24 oor and Ceiling Runner— (in. high, return legs 1-5/8 in. ith fasteners 24 in. OC. (Not Shown) — 25 MSG (min) galv steel ...wide (min), attached to floor and ceiling

-1-1/2 in. thick max, 4 ft (Item 1).

or silicone treated perlite

\*Bearing

with fasteners 24 in. OC.

2. Steel Studs — 1-5/8 in. wide (min), 1-1/4 in. legs, 1/4 in. return, formed of 25 MSG (min) galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

3. Batts and Blankets\* — (Optional) — Mineral wool or glass fiber batts, partially or completely filling stud cavity. Fasten each batt to wallboard base layer with a min 9/16 in. long staple. Use five staples for each 4 ft long piece. Drive one staple in the center of each piece and a staple at each corner, approx 3 in. from edges.

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

iber, Sprayed\* — As an alternate to Batts and Blankets (Item 3) — pray applied cellulose insulation material. The fiber is applied with ater to completely fill the enclosed cavity in accordance with the polication instructions supplied with the product. Nominal dry dence of 2 of 15, 143 S GREENFIBER L L C Cocoon stabilized cellulose insula-

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layers. (Laminated System) Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. O.C. along vertical edges and 24 in. O.C. in the field. Outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of compound about 3/8 in. in diameter, spaced not greater than 2 in. O.C. Joints of laminated outer layer offset 12 in. from inner layer joints. Outer layer wallboard attached to inner layer with 1-1/2 in. long Type G steel screws spaced 24 in. O.C. along edges and center line of each

Optional, (Direct Attached System) Wallboard applied vertically in two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 24 in. O.C. in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. O.C. in the field, along the vertical edges, and to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints.

Optional, (Direct Attached System) Inner layer wallboard applied vertically, outer layer wallboard applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. O.C. along vertical edges and in the field. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges, and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long Type G steel screws located midway between studs and 1 in. from the horizontal joint.

Outer layer wallboard joints covered with joint tape and min two coats of joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

3

4.

CONTINENTAL GYPSUM COMPANY — Types CG-C, CG5-5, AMERICAN GYPSUM CO—Types BPB AMERICA INC BPB CELOTEX—Type FRP CANADIAN GYPSUM COMPANY -Types AG-C, Type C, IP-X2, IPC-AR or AGX-C

-P GYPSUM CORP, SUB OF EORGIA-PACIFIC CORP — Types 5, C. AMES: HARDIE GYPSUM INC — Type Max"C".

AFARGE NORTH AMERICA INC — Type LGFC-C, LGFC-

ACIFIC COAST BUILDING PRODUCTS INC—Type PG-C.
TANDARD GYPSUM L L C—Type SG-C.
EMPLE-INLAND FOREST PRODUCTS CORP—Type TG-C
INITED STATES GYPSUM CO—Type C, IP-X2, IPC-AR or ATIONAL GYPSUM CO-BCO GYPSUM, DIV OF -Types FSW-G, FSW-C

ing

USG MEXICO S A DE C V—Type C, IP-X2, IPC-AR or WRC the UL Classification Mark

Design No. V4 Non-Bearing Wall Ratings V442 1 or 2 Hr

1. Floor and Ceiling Runner — (not shown)-Channel-shaped runners, 2-1/2 in. wide by 1-1/4 in. deep fabricated from 22 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.

2. Studs — Channel-shaped, 2-1/2 in. wide by 1-3/8 in. deep with ¼ in. folded back return flange legs. Fabricated from 22 MSG galv steel. Max stud spacing 24 in. OC. Studs to be cut ¾ in. less than assembly height. The studs are attached to the top and bottom runners with four ½ in. Type S steel screws, one through each face.

3. Bracing — (two types)-Cut from steel runners or studs, cavity width. Fastened with two ½ in. long, Type S steel screws in each stud, braces spaced max 48 in. OC. As an alternate bracing cut from gypsum board, length equal to stud cavity width and 6 in. wide. Fasten with two 1 in. long, Type S steel screws in each stud, space braces max 48 in. OC.

4. Batts and Blankets — Glass fiber batts, partially or completely filling stud cavity. Fasten each batt to one base layer of gypsum board with minimum 9/16 in. long steel staples. Drive one staple into the top center and one into each top corner of the batt. Minimum batt thickness 50 mm (2 in.) and density 0.7 lb/ cut ft. See Batts and Blankets (BZJZ) category for names of manufacturers.

5. Cypsum Board — 15 mm (5/8 in.) thick. Base layer attached with 1 in. long. Type S steel screws spaced 12 in. OC. Face layers attached with 1-5/8 in. long. Type S steel screws spaced 12 in. OC. Face layer statched with 1 in. long. Type S steel screws spaced 12 in. OC. Face layer statched 1 HR, one or both base layers of gypsum board may be omitted. If a base layer is omitted, the face layer may be attached with 1 in. long Type S steel screws paced 12 in. OC.

1. UNIVERSAL CEMENT CORP — Types GB-F, GB-F W/R, GB-S omitted, the face layer may be attached with 1 in. long Type S steel screws paced 12 in. OC. general layer is omitted. If a base layer is paper tape, 2 in. wide, embedded in first layer of compound over all joints.

5

\*Béaring the UL Classification Mark

6.

5

5A.

WALL PARTITION TYPES

308 SOUTH ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA

NATIONAL GYPSUM CO—Types FSW, FSW-B.

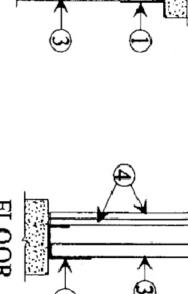
NATIONAL GYPSUM CO—Types FSW, FSW-B.

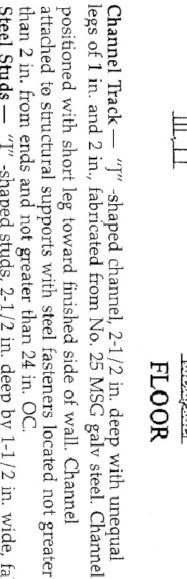
4. Gypsum Board\* — 1/2 in. thick, 4 ft wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and channel track with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screw in inner layer. Joints between inner and outer layers staggered. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.

CANADIAN GYPSUM COMPANY —Types C, IP-X2, IPC-AR. JAMES HARDIE GYPSUM INC —Type Max "C".

LAFARGE NORTH AMERICA INC — Types LGFC-C, LGFC-C/A







positioned with short leg toward finished side of wall. Channel attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. Steel Studs — "I" -shaped studs, 2-1/2 in. deep by 1-1/2 in. wide, fabricated from No. 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

3. Gypsum Board\* — 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Panels cut 1 in. less in length than floor to ceiling heights. Vertical edges inserted in "I" studs. Free edge of end panels attached to long leg of channel track with 1-5/16 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 1 in. in from hoth edges.

d vertically long Type in OC

NATIONAL GYPSUM CO—Types FSW-G, FSW-C.
UNITED STATES GYPSUM CO—Types C, IP-X2, IPC-AR.
USG MEXICO S A DE C V—Types C, IP-X2, IPC-AR.

5. Batts and Blankets\* — (Optional, not shown)-Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt bearing the UL Classification Marking as to Fire Resistance. See Batts and Blankets (BZJZ) category for names of Classified companies.

\*Bearing the UL Classification Mark

DRAWN BY:

DATE:

COMM. NO

A-10.4



First Haitian Free Church of Nazarene by Faith IN

FINISHED SIDE

HORIZONT AL SECTION

Design No. U497 Nonbearing Wall Rating —

2 Hr

CEILING

**RAMOS**MARTINEZ

Mortar

Concrete Blocks category for list of eligible nortar—Blocks laid in full bed of mortar, nom.

gns. Classification D-2 (2 hr). list of eligible manufacturers of mortar, nom. 3/8 in. thick,

thick,

of not

Various designs.

Concrete Blocks\* See Concrete Blocks



less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).





7-5/8" MIN.



Bearing Wall Rating — Nonbearing Wall Rating

2 HR.

. 0

Horizontal Section

Design No. U905