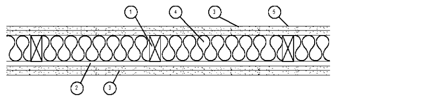
DESIGN NO. U334

Bearing Wall Rating - 2 HR STC Rating -62 (See Item 7



1. Wood Studs - Nom 2 by 4 in., spaced 16 in OC. Studs cross braced at mid-height and effectively fire stopped at top and bottom of wall.

2. Resilient Channel - 25 MSG galv steel, nom 2-1/2 in wide by 1/2 in deep. Resilient channels placed perpendicular to studs, spaced 24 in OC, flange portion attached to each intersecting stud with 1 in long Type S steel screws.

2A. Steel Framing Members (Optional, Not Shown)* - As an alternate to Item 2, furring channels and resilient sound isolation clip as described below:
a. Furring Channels - Formed of No. 25 MSG glv steel 2-3/8 in wide by 7/8 in deep, spaced 24 in OC perpendicular to studs. Channels secured to stud as described in Item B. Ends of adjoining channels are overlapped 6 in and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in and secured together with two self-tapping #6 framing screws, min 7/16 in long at the point of overlap, with one screw on each flange of the channel.
b. Steel Framing Members* - resilient sound isolation clips used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in OC, and secured to studs with No. 8x 2 1/2 in coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC- Type PSIC-1

3. Gypsum Board* - 5/8 in. thick, 4 ft wide. Attach to furring channels: base layer with 1 in. long Type S steel screws spaced max 24 in. OC, face layer with 1-5/8 in long Type S steel screws spaced max 12 in OC. Attach to wood studs: base layer with 1-7/8 in long 6d coated nails spaced max 14 in OC, face layer with 2-3/8 in long 8d coated nails spaced 7 in OC. Base layers installed vertically. Face layers installed horizontally with butt joints offset 16 in from base layers.

AMERICAN GYPSUM CO - Types AG-C, AGX-C .
BPB AMERICA INC - ProRoc Type C.
CANADIAN GYPSUM COMPANY - Types C, IP-X2, IPC-AR.
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP - Type 5.
LAFARGE NORTH AMERICA INC - Types LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO - Types FSK-C, FSW-C, FSW-G.
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC - Type C or PG-C.
STANDARD GYPSUM L L C - Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP - Type TG-C.
UNITED STATES GYPSUM CO - Types C, IP-X2, IPC-AR.
USG MEXICO S A DE C V - Types C, IP-X2, IPC-AR.

4. Batts and Blankets* - Nom. 2 in thick mineral wool insulation, 96 in long, cut to 15 in widths, friction fitted between studs in wall cavity

THERMAFIBER L L C - Type SAFB

4A. Batts and Blankets*- Glass fiber insulation. The cavities formed by the studs friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in thick and 15-1/4 in wide. See Batts and Blankets*(BZJZ) category for names of Classified Companies.

5. Joint Tape and Compound- Vinyl, dry or premixed joint compound, applied to joints, screw heads, and nail heads (two applications); paper tape, 2 in wide, embedded in first layer of compound over all joints

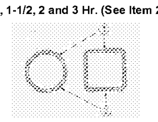
6. Caulking and Sealants- (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control

7. STC Rating- The STC rating of the wall assembly is 62 when it is constructed as described by Items 1 through 5, except:
a. Item 2A, above- Steel Framing Members* shall be used to attach wallboard to studs on either the acoustical source or the receiving side of the wall assembly.
b. Item 4A, above- Batts and Blankets* as described above, fiberglass insulation shall be used
c. Item 6, above- Caulking and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control

*Bearing the UL Classification Mark

Design No. Y616

Ratings -1, 1-1/2, 2 and 3 Hr. (See Item 2)



1. **Steel Column** -Steel tube (ST) or steel pipe (SP) with the minimum sizes shown in the table below. Columns shall be free of dirt, loose scale and oil. Columns shall be primed with a metal alkyd or epoxy primer at a nominal thickness of 1 mil.
2. **Mastic and Intumescent Coatings*** -Coating spray or brush applied directly from containers to desired thickness. See table below for appropriate minimum final dry thickness and applicable rating.

FOR STEEL PIPE

Steel Size	A/P	HP/A	1 Hr		1-1/2 Hr		2 Hr		3 Hr	
			in.	mm	in.	mm	in.	mm	in.	mm
[illegible]	[illegible]	[illegible]	0.102	[illegible]	[illegible]	[illegible]	0.360	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	0.081	2.05	0.179	[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	0.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	0.40	[illegible]	0.059	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	0.44	[illegible]	0.053	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	0.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

N/A = Not Available

FOR SQUARE AND RECTANGULAR STEEL TUBE

Steel Size	A/P	HP/A	1 Hr		1-1/2 Hr		2 Hr		3 Hr	
			in.	mm	in.	mm	in.	mm	in.	mm
[illegible]	[illegible]	[illegible]	[illegible]	2.59	[illegible]	5.62	[illegible]	8.65	[illegible]	[illegible]
[illegible]	0.29	[illegible]	0.081	[illegible]	[illegible]	[illegible]	[illegible]	6.86	N/A	N/A
[illegible]	[illegible]	[illegible]	0.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	0.059	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A
[illegible]	0.44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

N/A = Not Available
As an alternate to the above table, the required thickness of coating (in inches) to be applied to all surfaces of steel tube (ST) and steel pipe (SP) columns may be determined from the equations listed below. The equations may only be used for the indicated hourly rating, and for the corresponding listed ranges of thickness and A/P.

Hourly Rating	Thickness Equation	Thickness Range, in.	A/P Ratio Range
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Where T = Thickness of coating in inches, A = Cross-sectional area of the pipe in square inches, and P = Heated perimeter of steel pipe or tube section in inches.
ISOLATEK INTERNATIONAL -- Type SprayFilm WB 5, Type WB 5, Investigated for Interior Conditioned Space and Interior General Purpose.

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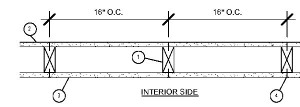
DESIGN NO. U337

Bearing Wall Rating - 1 HR. Finish Rating - See Item 2



1. Wood Studs - Nom 2 by 4 in. spaced 16 in. OC, effectively cross braced at mid-height and fire stopped at top and bottom.

2. Gypsum Board*-5/8in. thick, 4 ft wide, applied vertically. Wallboard attached to studs and bearing plates with 1-3/4in. long gavl nails wit 0.128 in diam.
shank nail 7/16 in. diam head, spaced 8 in. on center.

G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP - Type DGG (finish rating 20 min), Type DAP, DD, DS.

3. Gypsum Board*-5/8in. thick, 4 ft wide, applied vertically. Wallboard attached to studs and bearing plates with 1-3/4in. long galv. nails with 0.128 in. diam
shank and 7/16in. diam head, spaces 8 in. on center.

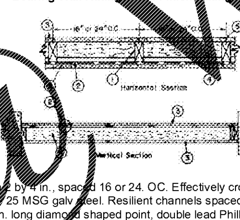
AMERICAN GYPSUM GO - Type AGX-7 (finish rating 20 min).
BEIJING NEW BUILDING MATERIALS CO LTD - Type DBX-1 (finish rating 24 min).-Type CG3-3 (finish rating 20 min), Type CG5-5 (finish rating 20 min), Type CG6-6
(finish rating 20 min), Type CG9-9 (finish rating 20 min), Type CGTC-C (finish rating 20 min)
BPB AMERICA INC - Type EGRG (finish rating 23 min).
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP - Type 5,9,C, Type DGG (finish rating 20 min), Type GPFS2 (finish rating 24 min), Type GPFS6 (finish rating 20
min), Type DS, Type DAP, Type DD (finish rating 20 min), DA.
LAFARGE NORTH AMERICA INC - Type LGFC2 (finish rating 24 min), Type LGFC2A, Type LGFC3 (finish rating 20min), Type LGFC6 (finish rating 20 min), Type LGFC-C
(finish rating 20 min), Type LGFC6A (finish rating 34 min), Type LGFC-C/A
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS - Type PG-9
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1 (finish rating 26 min).

4. Joints and Nailheads - Exposed or covered with paper tape and joint compound. For tapered, rounded-edge wallboards, joints with paper tape and joint
compound.

*Bearing the UL Classification Mark

DESIGN NO. U3[illegible]

Bearing Wall Rating -- 1 HR. Finish Rating -- 23 Min.

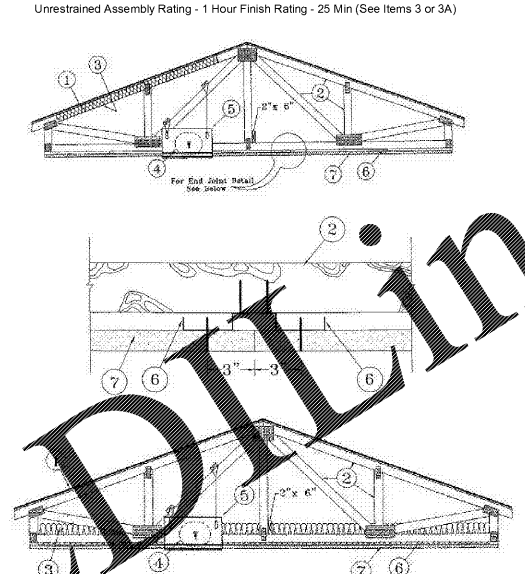


1 **Wood Studs** -- Nom 2 by 4 in., spaced 16 or 24. OC. Effectively cross braced.
2 **Resilient Channel** -- 25 MSG galv steel. Resilient channels spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws.

2A. **Steel Framing Members (Optional, Not Shown)*** -- As an alternate to Item 2, furring channels and resilient sound isolation clip as described below:
a. **Furring Channels** -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel.
b. **Steel Framing Members*** -- Resilient sound isolation clip used to attach furring channels (Item a) to studs (Item 1). Clips spaced 48 in. OC. and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC --Type RSIC-1.
3. **Gypsum Board*** -- 5/8 in. thick, 4 ft wide. Screw attached one side to furring channels with 1 in. long, self-drilling, self-tapping steel screws spaced 12 in. OC, vertical joints located midway between studs and back blocked with furring channels, attached with 1 in. long, self-drilling, self-tapping screws, spaced 12 in. OC, along each edge. Wallboard attached other side to studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws spaced 12 in. OC, vertical joints located over studs.
AMERICAN GYPSUM CO --Types AG-C, AGX-C . **BPB AMERICA INC** --Type FRPC, ProRoc Type C. **BPB CANADA INC** -- ProRoc Type C. **CANADIAN GYPSUM COMPANY** --Types C, IP-X2, IPC-AR. **G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP** --Type 5. **LAFARGE NORTH AMERICA INC** --Types LGFC-C, LGFC
C/A. **NATIONAL GYPSUM CO** --Types FSK-C, FSW-C, FSW-G. **PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC** --Type C or
PG-C. **STANDARD GYPSUM L L C** --Type SG-C. **TEMPLE-INLAND FOREST PRODUCTS CORP** --Type TG-C. **UNITED STATES GYPSUM CO** --Types C, IP-X2, IPC-AR. **USG MEXICO S ADE C V** --Types C, IP-X2, IPC-AR.
4. **Batts and Blankets*** -- 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 4-in. face of the studs with staples placed 24 in. OC.
ROCK WOOL MANUFACTURING CO --Delta Board. **JOHNS MANVILLE INTERNATIONAL INC ROXUL INC THERMAFIBER L L C** --Type SAFB.
4A. **Glass Fiber Insulation** -- (As an alternate to Item 4) -- 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall, attached to the 4 in. face of the studs with staples placed 24 in. OC. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classi}fied companies.
4B. **Fiber, Sprayed*** -- As an alternate to Batts and Blankets (Item 4) -- Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3.
U S GREENFIBER L L C -- Cocoon stabilized cellulose insulation.
5. **Joints and Screw heads** -- Wallboard joints covered with paper tape and joint compound. Screw heads covered with 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.
*Bearing the UL Classification Mark

DESIGN NO. P522

Unrestrained Assembly Rating - 1 Hour Finish Rating - 25 Min (See Items 3 or 3A)



1 **Roofing System*** -- Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.
2 **Trusses** -- Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with 0.040 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.
3. **Batts and Blankets*** -- (Optional) -- Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of
0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating has only been determined when the insulation is secured to the decking.
3A. **Loose Fill Material*** -- As an alternate to Item 3 -- Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min density of 0.5 pcf, fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating when loose fill material is used has not been determined.
4 **Air Duct*** -- Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.
5 **Ceiling Damper*** -- Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.

C&S AIR PRODUCTS --Model RD-521 **POTTORFF** --Model CFD-521
5A. **Alternate Ceiling Damper*** -- Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 24 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 196 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS --Model RD-521-BT **POTTORFF** --Model CFD-521-BT.
6. **Furring Channels** -- Resilient channels, nom. 1/2 in. deep by 2-3/8 in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020 in. thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.
6A. **Steel Framing Members** -- (Not Shown)* -- As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. **Furring Channels** -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to joists as described in Item
b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.
b. **Steel Framing Members** -- Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC and secured to alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the wallboard butt joints, as described in Item 7.
PAC INTERNATIONAL INC --Type RSIC-1.
7. **Gypsum Board*** -- One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum wallboard ceiling membrane.
When **Steel Framing Members*** (Item 6A) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Wallboard screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane. Wallboard butt joints shall be staggered min. 2 ft. within the assembly, and occur between the main furring channels. At the wallboard butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one RSIC-1 clip at each end of the channel. Screw spacing along the butt joint to attach the wallboard to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum wallboard ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.
CANADIAN GYPSUM COMPANY --Types C, IP-X2, IPC-AR. **UNITED STATES GYPSUM CO** --Types C, IP-X2, IPC-AR. **USG MEXICO S ADE C V** --Types C, IP-X2, IPC-AR.
8. **Finishing System** -- (Not Shown) -- Vinyl, 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. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard. **Alternate Ceiling Membrane** -- Not Shown.
9. **Steel Framing Members** --
a. **Main runners** -- Installed perpendicular to Structural Steel Members -- Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC.
b. **Cross tees or channels** -- Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
c. **Wall angles or channels** -- Used to support steel framing member ends and for screw-attachment of the gypsum wallboard -- Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in. thick painted or galvanized steel channel witha1by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
CGC INTERIORS, DIV OF CGC INC -- Type DGL or RX. **USG INTERIORS INC** -- Type DGL or RX.
10. **Gypsum Board*** -- For use with Steel Framing Members (Item 9) when Batts and Blankets* (Item 6) are not used -One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Wallboard fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each wallboard side joint. Except at wallboard end joints, wallboard screws
shall be located on alternating sides of cross tee flange. At wallboard end joints, wallboard screws shall be located 1/2 in. from the joint. Wallboard fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent wallboard sheets shall be staggered not less than 32 in. Wallboard sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7.For use with **Steel Framing Members*** (Item 9) when **Batts and Blankets*** (Item 6) are used -Ratings limited to 1 Hour -5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel wallboard screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long wallboard screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets
shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC. **CANADIAN GYPSUM COMPANY** -- Type C or IP-X2. **UNITED STATES GYPSUM CO** -- Type C or IP-X2. **USG MEXICO S A DE C V** -- Type C or IP-X2.
*Bearing the UL Classification Mark

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MEP:
Allied Consulting Engineers
2905-D Queen City Drive
Charlotte, NC 28208
Phone: (704) 399-3943
Email: dbelk@allied-engineers.com

REVISIONS		
No.	Date	Description

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KEY PLAN

VTM Hotels, LLC

Home2Suites

2630 Wilde Lake Blvd.
Pensacola, FL 32526

Drawing Title
UL Listings

Phase
Construction Documents

Project No.	17-101
Prepared by	Author
Checked by	Checker
Date	Aug 06,2018

Sheet No.
T002

Home2Suites

Review