

SPLASH BLOCK

SQUARE INCH

SQUARE YARD

STANDARD

STEEL JOIST

STORAGE

STREET

STORM DRAIN

STAINLESS STEEL

OUTSIDE DIAMETER

OVERFLOW ROOF DRAIN

CONTRACTOR INSTALLED

OWNER FURNISHED/

OWNER FURNISHED/

OWNER INSTALLED

OUT TO OUT

OVERALL

OVERHANG

HDW

DEAD LOAD

DEMOLITION

DETAIL

DIAGONAL

DIAMETER

DIMENSION

DEPARTMENT

DEMO

DEPT

DET

DIAG DIA

HDWD

HVAC

HWY

HARDWARE

HARDWOOD

HEIGHT

HIGHWAY

HOLLOW METAL

HORESEPOWER

HORIZONTAL

HIGH

HEATING, VENTILATION

& AIR CONDITIONING

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GRADING PLAN & STORM LINE A PROFILE

EROSION CONTROL PLAN

EROSION CONTROL DETAILS

A-301A TENANT A WALL SECTIONS

A-301D TENANT A FIREPLACE DETAILS

A-303 TENANT C WALL SECTIONS

A-401 ENLARGED PLAN & DETAILS

A-402 TENANT B ENLARGED PLANS & INTERIOR ELEVATIONS

A-601 DOOR SCHEDULE & DETAILS

STRUCTURAL FRAMING ISOMETRIC

S-301 FOUNDATION DETAILS & SECTIONS I

FRAMING SECTIONS & DETAILS I

S-502 FRAMING SECTIONS & DETAILS II

S-503 FRAMING SECTIONS & DETAILS III

ELECTRICAL

E-101 POWER PLAN

E-102 POWER PLAN

E-201 LIGHTING PLAN E-202 LIGHTING PLAN

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schwerdt design grou

architecture | interiors | plannir

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MISSOURI STATE CERTIFICATE OF AUTHOR

SCHWERDT DESIGN GROUP

MICHAEL K. HAMPTON, AIA

WES COUNTY, I

SUBMISSION DATES 9/16/19 ASI#6 02/05/20 ASI #9 4/2/20

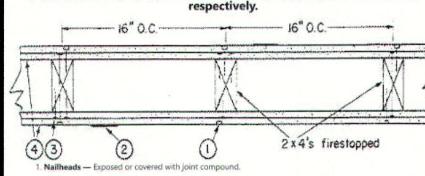
SHEET TITLE COVER SHEET

171057.

G-001

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For urisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



2. Joints -- Exposed joints covered with joint compound and paper tape. Joint compound and paper tape may b omitted when square edge boards are used. As an alternate, nom 3/32 in, thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.

3. Nails -- 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.

Gypsum Board* - 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in, nails spaced 6 in OC. Outer layer attached to study over inner layer with the 2-3/8 in, Ion nails spaced 8 in, OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layer Joints of each base layer offset with joints of base layer on opposite side. When used in widths other than 48 in., gypsum board to be installed horizontally.

When Steel Framing Members* (Item 6, 6A, 6B, or 6C) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max 24 in. OC; face layer attached with 1-5/8 in. long Type S buglehead steel screws spaced max 12 in, OC. AMERICAN GYPSUM CO - Types AGX-1, M-Glass, AG-C, AGX-11, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO - Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mois & Mildew Resistant Type X and Mold& Mildew Resistant AR Type X, Type Blueglass Exterior Sheathin

CERTAINTEED GYPSUM INC -- Types EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1

CGC INC - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L. L. C - Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD,

GEORGIA-PACIFIC GYPSUM L.L.C - Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X. Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W,

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

ABCO BUILDING PRODUCTS L.L.C, DBA PABCO GYPSUM — Types C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-5W, PG-5WS, PG-9, PG-11, PG-C or PGS-WRS

PANEL REY S A -- Types PRC, PRC2, PRX, RHX, MDX, ETX, GREX, GRIX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1 HAI GYPSUM PRODUCTS PCL — Type C or Type

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC,

USG BORAL DRYWALL SFZ LLC -- Types C, SCX, USGX

USG MEXICO 5 A DE C V -- Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

A. Gypsum Board* — (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4.

CGC INC - Types AR, IP-AR UNITED STATES GYPSUM CO - Types AR, IP-AR

USG MEXICO S A DE C V - Types AR, IP-AR

4B. Gypsum Board* — (As an alternate to Items 4 and 4A) — 5/B in. thick, 2 ft wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 4. Joint covering

UNITED STATES GYPSUM CO - Type SHX

CGC INC - Type SHX

USG MEXICO S A DE C V - Type SHX

RAY-BAR ENGINEERING CORP — Type RB-LBG.

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRac

4C. Gypsum Board* — (As an alternate to Items 4, 4A or 48 — Not Shown) — For Direct Application to Studs Only- For use on one or both sides of the wall as the base layer or one or both sides of the wall as the face layer Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in, placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, F4j.one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in, diam by max 0.125 in, thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batter strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.

4D. Gypsum Board* — As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in, from edge of board, Outer layers fastened to framing with 1-7/8 in, long Type W coarse thread gypsum panel steel screws spaced a max 8 in, OC, with last screw 1 in, from edge of board. When used in widths other than 48 in, gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.

4E. Gypsum Board* — (As an alternate to Items 4 through 4D) — 5/8 in. thick, 4 ft. wide, paper surfaced applied GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board

4F. Gypsum Board* -- (As an alternate to Item 4) -- Not to be used with item 6, 6A, 6B or 6C, 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and secured as described in Item 4. NATIONAL GYPSUM CO - Type SBCB

4G. Gypsum Board * — (As an alternate to Items 4 through 4F) — Nominal 5/8 in. thick, 4 ft wide panels, applied ertically and secured as described in item 4. PABCO BUILDING PRODUCTS L.L.C, DBA PABCO GYPSUM - Types QuietRock ES

4H. Gypsum Board* — (As an alternate to Item 4) — Not to be used with Item 6, 6A, 6B, or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally and secured as described in Item 4. CERTAINTEED GYPSUM INC - Type SilentFX

41. Gypsum Board* — (As an alternate to item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 8 in. OC. Outer layer attached to studs over inner layer with 2 in, long Type W steel screws spaced 8 in. OC offset 6 in, from base layer. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. As an alternate to the joint compound nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Wallboard other than 48 in. wide must be applied horizontally. The SoundBreak XP Type X Gypsum Board is not to be used with Item 6, 6A, 6B, or 6C. NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, oundBreak XP Type X Gypsum Board

4). Gypsum Board* — (As an alternate to Items 4) — For Direct Application to Study Only- For use as the base layer or as the face layer. Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. allboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batter strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in, placed on the face of studs and attached to the stud with two 1 in, long Type S-8 pan head steel screws. one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thicl compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as MAYCO INDUSTRIES INC - "X-Ray Shielded Gypsum"

4K. Gypsum Board* -- For use with Item 7 -- 5/8 in. thick, two layers applied vertically. Inner layer attached to resilient channels with 1 in. long steel screws spaced 8 in. OC. Outer layer attached to resilient channels over inne ayer with 1-5/8 in. long steel screws spaced 8 in. OC. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. Insulation, Items 8 or 9 is required. AMERICAN GYPSUM CO - Types AGX-1, M-Glass, AG-C, AGX-11

4L. Gypsum Board* --- (As an alternate to Items 4) --- For Direct Application to Studs Only-- For use as the base layer or as the face layer. Nom 5/8 in, thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC

at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in, placed on the face of studs and attached to the stud with construction adhesive and two 1 in, long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in, thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-1-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel RADIATION PROTECTION PRODUCTS INC - Type RPP - Lead Lined Drywall

4M. Gypsum Board* - (As an alternate to Item 4) - 5/8 in. thick, 4 ft. wide, two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described CERTAINTEED GYPSUM INC - 5/8" Easi-Lite Type X

4N. Gypsum Board* — (As an alternate to 5/8 in. Type FSW in Items 4 or 4l) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in, for every single layer of 5/8 in, gypsum board described in Item 4 or 4I. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4 or 41, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 4 or 4l. NATIONAL GYPSUM CO - Type FSW

40. Wall and Partition Facings and Accessories* -- (As an alternate to Items 4 through 4N) -- Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4P. Gypsum Board* — (As an alternate to Item 4) — 5/8 in, thick, two layers applied either horizontally or vertically. Inner layer attached to study with 1-1/4 in, long Type W steel screws spaced 10 in, OC with the last two screws 4 and 1 in. from the edges of the board. Outer layer attached to study over inner layer with 1-7/8 in. long Type W steel screws spaced 10 in. OC offset 5 in. from base layer with the last two screws 4 and 1 in. from the edges of the board. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layer: aggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. When used in widths other than 48 in., gypsum panels are to be installed horizontally. CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C -- Type LGFC6A, Type LGFC2A, Type LGFC-C/A, Type LGFC-

4Q. Gypsum Board* - (As an alternate to Item 4. For use with Item 13) - Any 5/8 in, thick, 4 ft, wide, Gypsum Board UL Classified for Fire Resistance (CKNX) eligible for use in Design Nos. U305 and L501 or G512. Two layers, applied either horizontally or vertically, and screwed to study with 1-5/8 in, long Type W coarse thread steel screws at 8 in, OC at perimeter and in the field with the last two screws 4 and 3/4 in, from the edges of the board when applied as the base layer. For the face layer, screw length to be increased to 2-1/2 in, All joints in face layer, staggered with joints in base layers. When used in widths other than 48 in., gypsum panels are to be installed

4R. Gypsum Board* — As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in, from edge of board, Outer layers fastened to framing with 1-7/8 in, long Type W coarse thread gypsum panel steel screws spaced a max 8 in, OC, with last screw 1 in, from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2. Type C, Type X, Type X-1, Easi-Lite Type X, SilentFX

45. Gypsum Board* -- (As an alternate to Item 4. For use with Item 13A) -- 5/8 in, thick, two layers applied vertically. Inner layer attached to study with the 1-7/8 in, nails spaced 6 in, OC. Outer layer attached to study over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. UNITED STATES GYPSUM CO - Type SCX

5. Molded Plastic* - Not Shown, Optional - Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details.

GENTEK BUILDING PRODUCTS LTD

6. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as

A. Furring Channels - Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 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. Wallboard attached to furring channels as described in item 4.

B. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC., and secured to study with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in, wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in, wide furring channels PAC INTERNATIONAL L. C — Types RSIC-1, RSIC-1 (2.75)

6A. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as

A. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to study as described in Item b. Ends of adjoining channels overlapped 6 in, and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

B. Steel Framing Members* - Used to attach furring channels (Item 6Aa) to studs. Clips spaced 48 in. OC., and secured to study with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237R

6B. Steel Framing Members* -- (Optional, Not Shown) -- Furring channels and Steel Framing Members as

A. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 68b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

B. Steel Framing Members* - Used to attach furring channels (Item 68a) to study. Clips spaced 48 in. OC., and secured to study with 2-1/2 in, coarse drywall screw through the center hole. Furring channels, are friction fitted into clips. REGUPOL AMERICA — Type SonusClip

6C. Steel Framing Members* — (Optional, Not Shown) —Resilient channels and Steel Framing Members as

a Resilient Channels - Formed of No. 25 MSG galv steel, spaced 24 in OC and pemendicular to study Channels secured to study as described in Item b. Ends of adjoining channels overlapped 6 in, and secured in place with two No. 8 15 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. Steel Framing Members" -- Used to attach resilient channels (Item 6Ca) to studs. Clips spaced 48 in.

OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient

nannels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip 7. Furring Channel - Ootlonal - Not Shown - For use on one side of the wall with Item 4K - Resilient

channels, 25 MSG galv steel, 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. When resilient channels are used,

8. Batts and Blankets* - Required for use with resilient channels, Item 7, min. 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the norm 4 in. face of the studs with staples placed 24 in. OC. ROCKWOOL - Type SAFEnSOUND

THERMAFIBER INC -- Type SAFB, SAFB FF

9. Batts and Blankets* - (As an alternate to Item 8) - Min. 3 in, thick plass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the stud cavities. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

9A. Fiber, Sprayed* — (Optional) — As an alternate to Batts and Blankets (Item 8), Required for use with resilient channels, Item 7. Not for use with Item 6.6A.6B. or 6C. — Soray applied mineral wool insulation. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

10. Wall and Partition Facings and Accessories* -- (Optional, Not Shown) -- Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be nstalled as indicated as to fastener type and spacing, except that the required fastener length shall be increased. by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified PABCO BUILDING PRODUCTS L.L.C, DBA PABCO GYPSUM - Type QuietRock QR-500 or QR-510

11. Cementitious Backer Units* — (Optional Item Not Shown — For Use On Face Of 2 Hr Systems With All Standard Items Required) -- 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied horizontally or vertically with vertical joints centered over studs. Face layer fastened over gypsum board to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. NATIONAL GYPSUM CO - Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) - When the Wall Assembly is used as an External Wall, on the External side of the wall one of the following Wall and Partition and Facing Accessories may be used, refer to items (A) to (C) below. A. Non Insulated system with metal channels - Install moisture barrier over the Gypsum Board Item 4

and Install Acry Metal Channels vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. Acry Metal Channels attached through the moisture barrier and the Gypsum Board to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. nstall Acrytec Panels on Acry Metal Channels using 1-1/4" long corrosion coated stainless steel screws spaced at a max spacing of 24 inches OC, along with manufacturer's approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels shall be Tremco illmod 600 pre compressed polyurethane foam sealant.

Install galvanized Z girt channels specified by the manufacturer over the moisture barrier and the Gypsum Board Item 4, Z girt channels to be installed horizontally at a max, spacing of 24" OC. Z girt channels attached through the Gypsum Board and the moisture barrier to the wood study with screws provided by the manufacturer at a max spacing of 24 inches OC. Install mineral wool insulation between the Z girts. Maximum thickness of mineral wool insulation not to exceed 6 in. As per manufacturer's instructions install Acry Metal Channels vertically over the Z girts at a max horizontal spacing of 24 in. OC. Acrytec Panels installed on Acry channel with 1-1/4" long corrosion coated stainless steel screws at a max spacing of 24 in. OC, along with manufacturers approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel, Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant

C. Non insulated wood strapping system — Install moisture barrier over the Gypsum Board Item 4 and Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC, over the moisture barrier. 1" x 3" wood strapping attached through the moisture barrier and the Gypsum Board to the Wood study using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Acrytec Panels to be installed on the 1" x 3" wood strapping using manufacturers approved stainless stee

fasteners spaced at maximum 24 inches OC along with Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre

D. Insulated Wood Strapping System — Install moisture parrier over the Gypsum Board Item 4, Install Extruded Polystyrene Insulation over moisture barrier and the Gypsum Board Item 4, max thickness of insulation not to exceed 4 inches. Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC. Wood strapping attached through the Insulation, the Gypsum Board and moisture barrier to the Wood Study using fasteners specified by the manufacturer and fasteners spaced max. 24 in. OC. Acrytec Panels to be installed over the wood strapping using manufacturers approved stainless steel fasteners at a max spacing of 24 in, OC and Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre

ACRYTEC PANEL INDUSTRIES - Nominal 5/8 inch thick Acrytec Panel.

13. Foamed Plastic* — (Optional, Not Shown - For use with Item 4Q) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam. For use in Bearing and Non-

13A. Foamed Plastic* — (Optional, Not Shown - For use with Item 4S) — Spray applied, foamed plastic insulation, to completely filling stud cavity. GACO WESTERN L L C — Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M.

14. Foamed Plastic* — (Optional, Not Shown - For use over Gypsum Board, Item 4) - Polyisocyanurate foamed plastic boards, any thickness applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci Class A", "Xci 286", "Xci Foil (Class Ay", "Xci CG", "Xci Foil", "Xci CG NH", "Xci Foil NH"

 Building Units* — (Optional, Not Shown - For use over Gypsum Board, Item 4) Polyisocyanurate composite foamed plastic boards, any thickness, applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC -- "Xci NB", "Xci Ply"

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2020-02-04

4B. Gypsum Board* — (As an alternate to Items 4, 4A) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and PABCO BUILDING PRODUCTS L.L.C., DBA PABCO GYPSUM — Type QuietRock ES.

4C. Wall and Partition Facings and Accessories* — (As an alternate to Items 4, 4A, 4B) — Nominal 5/B in. thick, 4 ft wide ABCO BUILDING PRODUCTS L.L.C, DBA PABCO GYPSUM — Type QuietRock 527.

4D. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in, OC with the last two screws 4 and 1 in, from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally. ONTINENTAL BUILDING PRODUCTS OPERATING CO, L.L.C.—Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type

5. Gypsum Board* — 5/8 in. thick, 4 ft wide applied horizontally or vertically. Attached to study or blocking at 7 in. OC with 6d ement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads. When used in widths other than 48 in. wallboard to be installed horizontally. Joints exposed or covered with tape and compound, When Item 6-6D, Steel Framing Members*, is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

Design No. U344

March 11, 2020

Bearing Wall Rating — 1 Hr.

Finish Rating — 26 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing

the Limit States Design Method, such as Canada, a load restriction factor shall be

used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for

urisdictions employing the UL or cUL Certification (such as Canada), respectively.

1. Wood Studs -- Norn 2 by 4 in. spaced 24 in. OC, laterally braced, and effectively fire stopped at top and bottom.

2. Wood Structural Panel Sheathing -- Nom 15/32 in. thick, 4 ft wide APA Rated Sheathing 32/16. Exposure 1, plywood or ed strand board (OSB) per PS1, PS2 or APA Standard PRP-108. Installed with long dimension of sheet (strength axis) or

joints. Horizontal joints backed with nom 2 by 4 in, wood backing. Attached to studs on exterior side of wall with 6d cement

3. Batts and Blankets* - 3-1/2 in, thick foll-faced glass fiber batts. Supplied in rolls 23 in, wide. Density to be nom 0.70 pcf

IA. Fiber, Sprayed* -- As an alternate to Batts and Blankets (Item 3) -- Spray applied cellulose material. The fiber is applied

with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal

S GREENFIBER L L C — INS735, INS745 and INS750LD for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and

3B. Fiber, Sprayed* — As an alternate to Item 3 and 3A — Spray applied cellulose material. The fiber is applied with water to

I UL Product iQ

3C. Fiber, Sprayed* - As an alternate to Batts and Blankets (item 3) - Spray applied cellulose fiber. The fiber is applied with

4. Gypsum Board* -- 5/8 in. thick, 4 ft wide, applied horizontally or vertically. Attached to study through plywood sheathing

with 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam head nails spaced 7 in. OC along studs and at

perimeter of panels. When used in widths other than 48 in., wallboard is to be installed horizontally, Joints exposed or covered

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1 (Finished Rating is 23 minutes); Type EGRG, Type GlasRoc, GlasRoc-2, Easi-Lite

GEORGIA-PACIFIC GYPSUM L L C — Types TG-C, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit -

4A. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically and secured as

DGLW, Water Rated-Type DGLW, Sheathing Type-DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rate

NATIONAL GYPSUM CO - Types FSK, FSK-G, FSW, FSW-3, FSW-5, FSW-G, FSK-C, FSW-C, FSM-C, FSW-6, FSL, FSW-8

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-X2, IPC-AR, WRC, SCX, SHX, ULIX, ULX, USGX or WRX

GEORGIA-PACIFIC GYPSUM L L C - Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

GreenGlas Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type

WZX, Sheathing - Type LWZX, Soffit - Type LWZX, Type DGLZW, Water Rated - Type DGLZW, Sheathing - Type DGLZW, Type DGG,

When Item 6, Steel Framing Members*, is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel

water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The

completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry

face grain of plywood, parallel with studs. Vertical joints centered on studs, and staggered one stud space from wallboard

oated steel box nails spaced 12 in. OC along interior studs and 6 in. OC at perimeter of panels.

dry density of 3.5 lb/ft3, in accordance with the application instructions supplied with the product.

See Batts and Blankets* (BZJZ) category for names of Classified Companies.

INS773LD are to be used for dry application only.

NU-WOOL CO INC - Cellulose Insulation

minimum dry density shall be 4.30 lbs/ft

INTERNATIONAL CELLULOSE CORP - Celbar-RL

AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc.

CABOT MANUFACTURING ULC - 5/8 Type X, Type Blueglass Exterior Sheathing

CGC INC - Type AR, C, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX.

NATIONAL GYPSUM CO - Riyadh, Saudi Arabia - Type FR, or WR.

THAI GYPSUM PRODUCTS PCL - Type C or Type X

USG BORAL DRYWALL SFZ LLC - Types C, SCX, USGX

https://iq.ulprospector.com/en/profile?e=14918

PABCO BUILDING PRODUCTS L.L.C., DBA PABCO GYPSUM — Types PG-11, PGS-WRS.

USG MEXICO S A DE C V - Type AR, C. IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC or WRX.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L. L. C .- Types LGFC6, LGFC6A, LGFC-C, LGFC-C/A.

CGC INC — Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX, WRX

CABOT MANUFACTURING ULC - 5/8 Type X. Type Blueglass Exterior Sheathing.

CONTINENTAL BUILDING PRODUCTS OPERATING CO. L.L.C - Types LGFC6, LGFC6A, LGFC-C, LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Type TG-C, GreenGlass Type X, Type DGG

NATIONAL GYPSUM CO -- Types FSK, FSK-G, FSW, FSW-3, FSW-5, FSW-G, FSK-C, FSW-C, FSMR-C, FSW-6, FSL, FSW-8

PARCO BUILDING PRODUCTS L.L.C. DRA PARCO GYPSUM -- Types PG-11 PGS-WRS UNITED STATES GYPSUM CO — Type AR. C. FRX-G. IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX, USGX or WRX

USG BORAL DRYWALL SFZ LLC -- Types C, SCX, USGX

USG MEXICO S A DE C V — Type AR, C. IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX

5A. Gypsum Board* — As an alternate to Item 5 — (not shown) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of

other than 48 in., gypsum boards are to be installed horizontally, Joints exposed or covered with tape and compound,

I UL Product iQ AMERICAN GYPSUM CO - Types AGX-1, M-Glass, AG-C (Finished Rating is 25 minutes), LightRoc

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CERTAINTEED GYPSUM INC - Type C. Type X or Type X-1 (Finished Rating is 23 minutes); Type EGRG, Type GlasRoc, GlasRoc-

CGC INC -- Type AR, C, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC or WRX. (Finished Rating is 24 minutes). NATIONAL GYPSUM CO -- Type FSK, Type FSK-G, Type FSW, Type FSW-3, Type FSW-5, Type FSW-G, Type FSK-C, Type FSW-C. Type

THAI GYPSUM PRODUCTS PCL - Type C or Type X UNITED STATES GYPSUM CO - Type AR. C, FRX-G, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX. (Finished Rating is 24 minutes)

USG MEXICO S A DE C V -- Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX or WRX. (Finished Rating is 24 minutes)

USG BORAL DRYWALL SFZ LLC - Types C. SCX, USGX

8. Gypsum Board* — (As an alternate to Items 5 and 5A) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed as described in Item 5. When used in widths of other than 48 in., gypsum boards are to be installed horizontally. GEORGIA-PACIFIC GYPSUM L L C — GreenGlas Type X, Type DGG.

5C. Gypsum Board* -- (As an alternate to Items 5 through 58) -- 5/8 in, thick, 4 ft, wide, paper surfaced applied vertically and GEORGIA-PACIFIC GYPSUM L L C - Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

SD. Gypsum Board* -- (As an alternate to Items 5 through 5C) -- Nominal 5/8 in, thick, 4 ft wide panels, applied vertically PABCO BUILDING PRODUCTS L.L.C., DBA PABCO GYPSUM - Type QuietRock ES.

5E. Wall and Partition Facings and Accessories* -- (As an alternate to Items 5 through 5D) -- Nominal 5/8 in. thick, 4 ft wide PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock 527

SF. Gypsum Board* — (As an alternate to Items 5 through 5E) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only NATIONAL GYPSUM CO - Type SBWB

5G. Gypsum Board* — (As an alternate to item 5) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in, long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in, from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

LGFC-WD, Type LGLLX

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L.L.C — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type

5H. Gypsum Board* — — (As an alternate to Item 5-5G) — 5/8 in. thick, 4 ft, wide, paper surfaced applied vertically or CERTAINTEED GYPSUM INC - Type SilentFX

51. Gypsum Board* -- (As an alternate to Item 5. For use with Item 6E) - Any 5/8 in. thick, 4 ft. wide, Gypsum Board UL Classified for Fire Resistance (CKNX) eligible for use in Design Nos. U305, L501 or G512. Two layers, applied vertically, and sched to furring channels (Item 6Ea). Vertical gypsum board side joints offset 24 inches between layers. Horizontal butt joints offset 48 inches from adjacent board horizontal joints and 24 inches from base layer butt joint. Vertical joints staggered one stud cavity on opposite sides of studs. Type S steel screws used to attach gypsum board to furring channels. First layer - 1 in, long, 3 inches from the edge and 24 in. OC. Second layer- 1-5/8 in, long, spaced 1 inch from the edge and 12 in. OC.

6. Steel Framing Members* — (Optional, Not Shown) — Furring Channels and Steel Framing Members as described below a. Furring Channels -- Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 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. Gypsum board attached to furring channels as described in Items 4 and 5.

b. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs . 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. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. PAC INTERNATIONAL L L C - Types RSIC-1, RSIC-1 (2.75).

6A. Steel Framing Members* — (Optional, Not Shown) — 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 studs. Channels secured to study 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. Gypsum board attached to furring channels as described in Item 5.

b. Steel Framing Members* - Used to attach furring channels (Item a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted PLITEQ INC - Type Genie Clip.

6B. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in, OC perpendicular to studs. Channels secured to study as described in Item b. Ends of adjoining channels overlapped 6 in, and tied together with double strand of No. 18 AWG galvanized steel wire Gypsum board attached to furring channels as described in Item 5.

b. Steel Framing Members* - Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in, coarse drywall screw with 1 in, diam washer through the center hole. Furring channels are UL Product iQ

6C. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in: OC perpendicular to studs. Channels secured to stude as described in Item 6Cb. Ends of adjoining channels overlapped 6 in, and tied together with double strand No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 5.

b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to study. Clips spaced 48 in, OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fit REGUPOL AMERICA — Type SoriusClip

6D. Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described by a. Resilient Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two I B 15 x 1/2 in, Phillips Modified Truss screws spaced 2-1/2 in, from the center of the overlap. Gypsum board attached

b. Steel Framing Members* - Used to attach resilient channels (Item 6Da) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in: coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in, pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6E. Steel Framing Members* - (Optional, Not Shown) - Furring channels and Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, Spaced 24 in, OC perpendicular to studs. Channels secured to studs as described in Item 6Eb. Ends of adjoining channels overlapped 6 in, and tied together with double strand No. 18 AWG galvanized steel wire. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one scre on each flange of the channel. Two layers of gypsum board attached to furring channels as described in 51.

b. Framing Members* — Used to attach furring channels (Item 6Ea) to study (Item 1), Rafts secured to study spaced a maximum of 24 in. OC, horizontally, vertically spaced 3 in, from the top and bottom and 24 inch on center along each stud and secured with two 1-1/4 inch (No. 6) Type W drywall screws. One on each side of the core. Fasteners should not be placed closer than 1/4 inch to the edges of the mounts. BCD LLC - Type HushFrame Raft Connector

7. Non-Bearing Wall Partition Intersection -- (Optional) -- Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3-1/2 in, long 10d nails spaced a max, 16 in, OC, vertically and fastened to one side of the minimum 2 by in. stud with 3 in. long 10d nails spaced a max 16 in, OC, vertically, Intersection between partition wood studs to be flush wi the 2 by 4 in, studs. The wall partition wood studs are to be framed by with a second 2 by 4 in, wood stud fastened with 3 in long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-

bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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4/2/2020

Last Updated on 2020-03

chwerdt design gro rchitecture | interiors | planning 2231 sw wanamaker rd suite 303 topeka, kansas 66614-4275 SCHWERDT DESIGN GROUP SSOURI STATE CERTIFICATE OF AUTHORIT



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9/16/19 ASI#6 02/05/20 ASI #9 4/2/20

UBMISSION DATES

SHEET TITLE UL DOCUMENTATION

