

1. BEAM - W6(X)12, MIN SIZE, AS AN ALTERNATE TO BEAM, STEEL JOIST GIRDERS OF 20 IN. MIN DEPTH, 14 LBS PER LIN FT MIN WEIGHT WITH MIN AREA OF STEEL OF 1.12 SQ IN. FOR CHORD MEMBERS. MIN DISTANCE FROM BOTTOM OF THE JOIST GIRDER TO BOTTOM OF THE CEILING IS 10 IN. FOR LOWERING THE CEILING. THE SUGGESTED METHOD OF USING INTERMEDIATE SUPPORTS DESCRIBED UNDER SUSPENSION SYSTEMS IN THE DESIGN INFORMATION SECTION GENERAL SHOULD BE FOLLOWED.

2. NORMAL-WEIGHT CONCRETE - CARBONATE OR SILICEOUS AGGREGATE, 150(+OR-)3 PCF UNIT WEIGHT, 3500 PSI COMPRESSIVE STRENGTH, FOR THE 2 HR RESTRAINED AND UNRESTRAINED ASSEMBLY RATINGS. MIN CONCRETE TOPPING THICKNESS IS 2 1/2 IN. FOR THE 3 HR RESTRAINED AND UNRESTRAINED ASSEMBLY RATINGS. MIN CONCRETE TOPPING THICKNESS IS 3-1/2 IN. THE CONCRETE TOPPING THICKNESS SHALL BE MEASURED FROM THE SURFACE OF THE CONCRETE TO THE TOP PLANE OF THE STEEL DECK CORRUGATIONS.

3. STEEL FORM UNITS - MIN 9/16 IN. DEEP CORRUGATED UNITS, MIN 26 MSG GALV STEEL, WELDED TO SUPPORTS WITH 1/2 IN. RIGID WELDING THROUGH WELDS LOCATED AT EACH JOIST ALONG THE SIDE LAPS AND 48 IN. OC ALONG THE CENTER VALLEY OF THE UNITS. END OVERLAPS CENTERED ON JOISTS AND WELDED TO JOIST A MAX OF 15 IN. OC. ADJACENT UNITS OVERLAPPED ONE CORRUGATION AT THE SIDES AND A MIN OF 3 IN. AT THE ENDS.

4. WELDED WIRE FABRIC - 18 SWG W/ 4X6 IN. OR HEAVIER PER ASSC SPECIFICATIONS.

4A. FIBER REINFORCEMENT - AS AN ALTERNATE TO ITEM 4, FOR 1 OR 2 HR ASSEMBLY RATINGS ONLY. ENGINEERED SYNTHETIC FIBERS ADDED TO CONCRETE MIX TO CONTROL SHRINKAGE CRACKS IN CONCRETE. SEE FIBER REINFORCEMENT (CBX) CATEGORY FOR RATE THAT FIBERS ARE ADDED TO CONCRETE MIX.

EUCIID CHEMICAL CO - TYPE FIBERSTRAND 100.  
 FIBERCON INTERNATIONAL INC - TYPES FIBERCON MANUFACTURED STEEL FIBERS, MATRIX CS STEEL FIBERS, MATRIX W29 HYBRID FIBERS.  
 FORTA CORP - TYPES ECONO-MONO, MIGHTY-MONO, STUCCO-BOND, ECONO-NEP.  
 CASTMASTER SUPER NET, ULTRA - THE SUGGESTED METHOD OF USING INTERMEDIATE SUPPORTS POLYMER GROUP INC ORIENTED POLYMERS  
 DIV - TYPES MONOFILAMENT / MULTIFILAMENT POLYPROPYLENE, FIBRILLATED POLYPROPYLENE.  
 PROPEX CONCRETE SYSTEMS CORP - TYPE FM 1.5, XOREX, STEALTH, NOVOMESH E3.

5. STEEL JOISTS - TYPE 8J2 OR 10K1 MIN SIZE, SPACED 48 IN. OC MAX, WELDED TO END SUPPORTS. TYPE 8H2 MIN SIZE, MAY BE COVERED FOR THE 1 AND 2 HR RESTRAINED AND UNRESTRAINED ASSEMBLY RATINGS ONLY, AS AN ALTERNATE, ANY LH-SERIES STEEL JOIST SPANNING NO MORE THAN 60 FT MAY BE USED. FOR SPANS EXCEEDING 60 FT, LH-SERIES JOISTS, MAY BE USED PROVIDED THAT THE DEFLECTION UNDER FULL LOAD SHALL NOT BE GREATER THAN 1/277 OF THE JOIST SPANS. FOR THE 1 AND 2 HR RATINGS ONLY, JOIST SPACING MAY BE INCREASED TO 72 IN. MAX.

6. BRIDGING - 1/2 IN. DIAM STEEL BARS, WELDED TO TOP AND BOTTOM CHORDS OF EACH JOIST.

7. COLD ROLLED CHANNELS - MIN 0.035 IN. THICK (16 MSG) COLD ROLLED STEEL CHANNELS, 1-1/2 IN. DEEP WITH 9/16 IN. FLANGES, PLACED ON TOP OF THE BOTTOM CHORD OF JOISTS AND SECURED WITH A DOUBLE STRAND OF 18 SWG GALV STEEL WIRE, LOCATED AS REQUIRED TO PROVIDE HANGER WIRE ATTACHMENT POINTS. FOR THE 1 AND 2 HR RATINGS ONLY WHEN THE JOIST SPACING IS GREATER THAN 48 IN. OC, TWO COLD-ROLLED CHANNELS PLACED BACK TO BACK AND TIED TOGETHER WITH DOUBLE STRAND OF 18 SWG GALV STEEL WIRE AT 24 IN. OC ARE USED FOR SUPPORT OF HANGER WIRES. THE DOUBLE CHANNELS ARE INSTALLED PERPENDICULAR TO THE JOISTS AND SPACED EITHER 24 OR 48 IN. OC AS REQUIRED. CHANNELS, PLACED ON TOP OF THE JOISTS' BOTTOM CHORD AND TIED TO EACH JOIST WITH A DOUBLE STRAND OF 18 SWG GALV STEEL WIRE. ALTERNATELY, THE CHANNELS MAY BE HUNG FROM THE JOISTS WITH 12 SWG GALV STEEL WIRE WRAPPED AROUND THE COLD-ROLLED CHANNELS, AND WITH THE OTHER END OF THE WIRE WRAPPED AROUND THE BOTTOM CHORD OF THE JOISTS.

8. HANGER WIRE - NO. 12 SWG GALV STEEL WIRE TWIST-TIED TO STEEL JOISTS OR COLD-ROLLED STEEL CHANNELS. HANGER WIRES SPACED MAX OF 48 IN. OC ON MAIN RUNNERS, ADJACENT TO CROSS TEE INTERSECTIONS. ONE HANGER WIRE TO OCCUR AT ALL FOUR CORNERS OF LIGHT FIXTURES. AT MIDSPAN OF CROSS TEES ADJACENT TO 4 FT LIGHT FIXTURES AND AIR DUCT OUTLETS, AND ADJACENT TO EACH MAIN RUNNER SPLICE.

9. AIR DUCT - MIN 0.023 IN. THICK (24 GAUGE) MIN GALV STEEL. TOTAL AREA OF DUCT OPENINGS NOT TO EXCEED 576 SQ IN. PER EACH 100 SQ FT OF CEILING AREA. AREA OF INDIVIDUAL DUCT OPENING NOT TO EXCEED 576 SQ IN. MAX. DESIGN OF DUCT OPENING 30 IN. DIA.

10. DAMPER - MIN 0.066 IN. THICK (16 GAUGE) GALV STEEL. SIZED TO OVERLAP DUCT OPENING 1 IN. MIN. PROTECTED ON BOTH SURFACES WITH 1/16 IN. THICK CERAMIC FIBER PAPER AND HELD OPEN WITH A FUSIBLE LINK (BEARING THE UL LISTING MARK). IN LIEU OF THE DAMPER DESCRIBED ABOVE, DUCT OUTLET PROTECTION SYSTEM A, AS DESCRIBED IN THE GENERAL INFORMATION SECTION, MAY BE USED WITH STEEL DUCTS.

11. FIXTURES, RECESSED LIGHT - (BEARING THE UL LISTING MARK) FLUORESCENT LAMP TYPE, STEEL HOUSING, 2 BY 4 FT SIZE. FIXTURES SPACED SO THEIR AREA DOES NOT EXCEED 24 SQ FT PER 100 SQ FT OF CEILING AREA. WIRED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.

11A. FIXTURE STABILIZER - (NOT SHOWN) - FOR USE WITH THE TYPE 1650 METAL PANS (SEE ITEM 13A); ONE MIN 0.047 IN. THICK (16 MSG) GALV STEEL CHANNEL JOYKE PER LIGHT FIXTURE, SECURED TO THE WEB AT MIDSPAN OF CROSS TEE ON EACH SIDE OF FIXTURE.

11B. FIXTURE, RECESSED LIGHT - (BEARING THE UL LISTING MARK) - (NOT SHOWN) - AS AN ALTERNATE TO ITEM 11 FOR 1 OR 2 HR ASSEMBLY RATINGS ONLY. INCANDESCENT LAMP TYPE, STEEL HOUSING, NOM 6-1/2 IN. DIAM BY 7-1/2 IN. HIGH. A MAX OF TWO "HIGH HAT" FIXTURES MAY BE SUBSTITUTED FOR EACH NOMINAL 2 BY 4 FT SIZE FLUORESCENT LIGHT FIXTURE PERMITTED IN THE CEILING (MAX SIX "HIGH HAT" FIXTURES PER 100 SQUARE FT. OF CEILING AREA). EACH FIXTURE PROVIDED WITH A NOM 6-1/2 BY 10 IN. PAINTED STEEL BASE SCREW-ATTACHED TO THE FIXTURE WITH FOUR STEEL SCREWS. SHORT SIDES OF THE BASE PROVIDED WITH ADJUSTABLE STEEL HANGER BARS FOR FIXTURE SUPPORT. TWO LENGTHS OF COLD-ROLLED STEEL CHANNEL (ITEM 7) ARE TO BE SUSPENDED ABOVE AND PARALLEL WITH THE FIXTURE HANGER BARS TO PROVIDE HANGER WIRE ATTACHMENT POINTS FOR THE FIXTURE HANGER BARS AND TO SUPPORT THE LIGHT FIXTURE PROTECTION PANEL (ITEM 12A). WIRED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.

12. FIXTURE PROTECTION - ACOUSTICAL MATERIAL\* - 5/8 IN. THICK, CUT TO FORM A FIVE SIDED ENCLOSURE, TRAPEZOIDAL IN CROSS-SECTION, APPROX 1/2 IN. LONGER AND WIDER AND WITH A MIN 5/8 IN. CLEARANCE TO THE TOP OF THE LIGHT FIXTURE HOUSING. THE FIXTURE PROTECTION CONSISTS OF A 23-3/4 BY 47-3/4 IN. TOP PIECE, TWO 6-3/4 (OR WIDER) BY 47-3/4 IN. SIDE PIECES, AND TWO 5 (OR WIDER) BY 23-3/4 IN. END PIECES. THE TOP EDGE OF EACH FIXTURE PROTECTION SIDE PIECE MAY BE PROVIDED WITH A 1 IN. DEEP BY MAX 20 IN. LONG NOTCH NEAR ITS MIDPOINT. THE SIDE AND END PIECES ARE LAID IN PLACE AND THE END PIECES ARE HELD IN PLACE WITH THREE RD NAILS SPACED 8 IN. OC. WHEN FIXTURES ARE INSTALLED END TO END, NO END PIECES ARE USED WHERE THE FIXTURES ABUT. INSTEAD, A 5 BY 23-3/4 IN. PIECE IS PLACED ON TOP OF AND CENTERED OVER THE GAP BETWEEN THE TOP PIECES. (S)=SURFACE PERFORATIONS.

ARMSTRONG WORLD INDUSTRIES INC - TYPE 5/8 IN. P (S)

12A. FIXTURE PROTECTION - ACOUSTICAL MATERIAL\* - FOR USE WITH "HIGH HAT" LIGHT FIXTURES (ITEM 11B). NOM 24 BY 24 BY 5/8 OR 3/4 IN. PIECE OF THE SAME ACOUSTICAL MATERIAL USED IN THE CEILING (ITEM 14). PANEL LOCATED MAX 1 IN. ABOVE AND CENTERED OVER "HIGH HAT" LIGHT FIXTURE WITH ENDS RESTING ON COLD-ROLLED STEEL CHANNELS (ITEM 7).

13. STEEL FRAMING MEMBERS\* - MAIN RUNNERS NOM 12 FT LONG SPACED 4 FT OC. CROSS TEES NOM 4 FT LONG INSTALLED PERPENDICULAR TO MAIN RUNNERS AND SPACED 2 FT OC. WHEN THE CEILING IS COMPOSED OF NOM 24 BY 24 IN. LAY-IN PANELS, CROSS TEES NOM 2 FT LONG INSTALLED PERPENDICULAR TO 4 FT CROSS TEES AND SPACED 4 FT OC.

ARMSTRONG WORLD INDUSTRIES INC - TYPES AFG, AFG-A, AFG-LT, AFG-MX, AFG-PLP. WHEN TYPE AFG-A STEEL FRAMING MEMBERS ARE USED, THE ASSEMBLY AND BEAM RATINGS ARE 2 HR. WHEN TYPE AFG-MX OR AFG-PLP STEEL FRAMING MEMBERS ARE USED WITH 24 BY 24 IN. PANELS, THE ASSEMBLY AND BEAM RATINGS ARE 1-1/2 HR. WHEN TYPE AFG-LT STEEL FRAMING MEMBERS ARE USED WITH 24 BY 24 IN. PANELS, THE ASSEMBLY AND BEAM RATINGS ARE 2 HR. TYPE AFG-PLP STEEL FRAMING MEMBERS FOR USE WITH 24 BY 24 IN. PANELS. PRO OR MAX 2 HR BEAM AND ASSEMBLY RATINGS. TYPE GLBP (CONSISTING OF MAIN RUNNERS, 4 FT CROSS TEES AND STEEL STRAPS) FOR USE WITH 24 BY 48 IN. TYPE P OR PC LAY-IN PANELS.

BAILEY METAL PRODUCTS LTD - TYPE BEF.  
 CHICAGO METALLIC CORP - TYPES 250, 260, 1250, 1260, 1280, 1290, 1860. WHEN TYPE 260, 860, 1260 OR 1860 STEEL FRAMING MEMBERS ARE USED, THE ASSEMBLY AND BEAM RATINGS ARE 2 HR.

13A. STEEL FRAMING MEMBERS\* - MAIN RUNNERS NOM 12 FT LONG SPACED 4 FT OC. CROSS TEES NOM 4 FT LONG. INSTALLED PERPENDICULAR TO MAIN RUNNERS SPACED 2 FT OC. WHEN NOM 24 BY 24 FT LAY-IN PANELS ARE USED, NOM 2 FT LONG INSTALLED PERPENDICULAR TO 4 FT CROSS TEES AT MIDSPAN, SPACED 2 FT OC. BORDER PANELS SUPPORTED AT WALLS BY MIN. 0.016 IN THICK PAINTED STEEL ANGLE WITH 1 IN LEGS. MIN. 0.016 IN THICK PAINTED STEEL CHANNEL WITH A 1/2 IN. DEEP BY 1/2 IN. PROFILE.

US INTERIORS SYSTEMS INC - TYPES DXL, DXLT, DXLTA, DXLZ, SDXL. WHEN DXLT AND DXLTA ARE USED THE MAX HOUSING RATINGS ARE 2 HR.

CGC INC - TYPES XL, DXL, DXLT, DXLTA, DXLZ, SDXL. WHEN DXLT AND DXLTA ARE USED THE MAX HOUSING RATINGS ARE 2 HR.

13B. STEEL FRAMING MEMBERS\* - METAL PANS - (NOT SHOWN) (OPTIONAL) - CHANNEL-SHAPED METAL PANS IN VARIOUS COLORS AND FINISHES, INSTALLED PERPENDICULAR TO CROSS TEES OR MAIN RUNNERS AND SPACED 4 OR 6 IN. OC. THE FLANGE EDGES OF THE METAL PANS ENGAGE AND INTERLOCK WITH THE VERTICAL TABS OF THE CORRESPONDING GRID ADAPTERS WITH TABS 4 OR 6 IN. OC. (SEE ITEM 13B). END LAPS JOINTS OF THE METAL PANS SHALL OCCUR ADJACENT TO MAIN RUNNERS OR CROSS TEES. THE METAL PANS SHALL EACH BE SUPPORTED BY AT LEAST TWO MAIN RUNNERS OR CROSS TEES.

CHICAGO METALLIC CORP - TYPE 1650.

13C. STEEL FRAMING MEMBERS\* - GRID ADAPTER - (NOT SHOWN) (OPTIONAL) - FOR USE WITH TYPE 1650 METAL PANS. (SEE ITEM 13A). ANGLE SHAPED ADAPTER WITH A LOOPEED RETURN FLANGE. INSTALLED PARALLEL TO CROSS TEES OR MAIN RUNNERS BY ENGAGING RETURN FLANGE OF ADAPTER TO THE FLANGE OF THE CROSS TEE OR MAIN RUNNER. THE 48 OR 24 IN. LONG ADAPTERS ARE INTENDED FOR USE WITH CROSS TEES OR MAIN RUNNERS, RESPECTIVELY.

CHICAGO METALLIC CORP - TYPE 1650.

13D. STEEL FRAMING MEMBERS\* - FILLER STRIPS - (NOT SHOWN) (OPTIONAL) - FOR USE WITH TYPE 1650 METAL PANS. FILLER STRIPS ARE 10.018 TO 0.024 IN. THICK, STEEL OR ALUMINUM, 13/32 OR 5/8 IN. DEEP BY 3/4 IN. WIDE, PLACED BETWEEN THE METAL PANS.

13E. STEEL FRAMING MEMBERS\* - 9/16 IN. WIDE NARROW FLANGE GRID MAY BE USED AS AN ALTERNATE TO 15/16 IN. WIDE FLANGE GRID SYSTEMS, MAIN RUNNERS, NOM 12 FT LONG SPACED 4 FT OC. CROSS TEES, NOM 4 FT LONG. INSTALLED PERPENDICULAR TO MAIN RUNNERS AND SPACED 2 FT OC. CROSS TEES, NOM 2 FT LONG. INSTALLED PERPENDICULAR TO 4 FT CROSS TEES AND SPACED 4 FT OC. FOR USE WITH TYPE P, NOM 24 BY 24 IN. SQUARE EDGE OR REGULAR EDGE LAY-IN PANELS. GRID MODULES CONTAINING LIGHT FIXTURES MUST EMPLOY A FIXTURE CENTERING CLIP AT EACH CORNER. THE 24 GAUGE ELECTROGALVANIZED STEEL CLIP IS NESTED ON THE FLANGE OF THE INTERSECTING GRID TEES, HAS TWO 1-7/16 IN. HIGH LEGS WITH THEIR SIDES PERPENDICULAR TO EACH OTHER AND A U-SHAPED END FOR ENGAGING OVER THE BULB OF THE INTERSECTING GRID TEES. WHEN 9/16 IN. WIDE FLANGE GRID IS USED, MAX ASSEMBLY AND BEAM RATINGS ARE 2 HR.

ARMSTRONG WORLD INDUSTRIES INC - TYPE FSLK

13F. STEEL FRAMING MEMBERS\* - 9/16 IN. WIDE NARROW FLANGE GRID MAY BE USED AS AN ALTERNATE TO 15/16 IN. WIDE FLANGE GRID SYSTEMS, MAIN RUNNERS, NOM 12 FT LONG, SPACED 4 FT OC. CROSS TEES, NOM 4 FT LONG. INSTALLED PERPENDICULAR TO MAIN RUNNERS AND SPACED 2 FT OC. CROSS TEES, NOM 2 FT LONG. INSTALLED PERPENDICULAR TO 4 FT CROSS TEES AND SPACED 4 FT OC. FOR USE WITH TYPE P, NOM 24 BY 24 IN. SQUARE EDGE LAY-IN PANELS.

CHICAGO METALLIC CORP - TYPE 4050 FOR 1 HR ASSEMBLY AND BEAM RATINGS ONLY.

14. ACOUSTICAL MATERIAL\* - NOM 24 BY 24 OR 48 IN. LAY-IN PANELS. BORDER PANELS SUPPORTED BY MIN 0.016 IN. THICK (26 MSG) PAINTED STEEL ANGLE WITH 1 IN. LEGS; OR, MIN 0.016 IN. THICK (26MSG) PAINTED STEEL CHANNEL, 1-1/2 IN. DEEP WITH 1 IN. BOTTOM FLANGE AND 3/4 IN. TOP FLANGE. (S)=SURFACE PERFORATIONS.

ARMSTRONG WORLD INDUSTRIES INC - TYPE 3/4 IN. BF(S) OR P(S), 24 BY 24 IN. TYPE 5/8 IN. P(S), 24 BY 24 OR 48 IN. TYPE 5/8 IN. PC(S) 24 BY 48 IN.

14A. ACOUSTICAL MATERIALS\* - ANTENNA PANEL - (OPTIONAL, NOT SHOWN) - NOM 24 BY 24 IN. LAY-IN PANEL WITH INTEGRAL HIGH FREQUENCY ANTENNAE. THICKNESS, TYPE AND EDGE DETAIL OF ANTENNA PANEL TO MATCH SURROUNDING ACOUSTICAL CEILING PANELS. ANTENNA PANEL TO BE INSTALLED IN ACCORDANCE WITH ACCOMPANYING INSTRUCTIONS. A MAX OF ONE ANTENNA PANEL MAY BE USED PER EACH 100 SQ FT OF CEILING AREA.

ARMSTRONG WORLD INDUSTRIES INC

15. SPEAKER ASSEMBLIES FOR FIRE RESISTANCE\* - (OPTIONAL, NOT SHOWN) - THE SPEAKER ASSEMBLIES CONSIST OF SPEAKERS, SPEAKER ENCLOSURES AND THEIR ACCESSORIES. THE CEILING PENETRATION FROM THE SPEAKER ENCLOSURE SHALL NOT EXCEED 11-7/8 BY 11-7/8 IN. FOR THE SQUARE SPEAKER ENCLOSURES AND 12 IN. IN DIAM FOR THE ROUND SPEAKER ENCLOSURES. THE SPEAKER ASSEMBLIES ARE INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS PROVIDED. A MAX OF TWO 144 SQ IN. SPEAKER ASSEMBLIES PER 100 SQ FT OF CEILING AREA IS ALLOWED.

AS LAS SOUND LP  
 SEE SPEAKER ASSEMBLIES FOR FIRE RESISTANCE (GHML) FOR SPECIFIC TYPES.

15A. SPEAKER ASSEMBLIES FOR FIRE RESISTANCE\* - (OPTIONAL, NOT SHOWN) - AS AN ALTERNATE TO ITEM 15, SPEAKER PANELS MAY BE INCLUDED IN THE CEILING, NOM 24 BY 24 IN. METAL-FRAMED LAY-IN SPEAKER PANELS INSTALLED IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. HANGER WIRES ARE REQUIRED ON THE MAIN RUNNERS AND ON THE NOM 4 FT LONG CROSS TEES AT ALL FOUR CORNERS OF THE SPEAKER PANEL. EACH SPEAKER PANEL TO BE COVERED WITH A NOM 24 BY 24 IN. PANEL OF THE SAME ACOUSTICAL MATERIAL USED IN THE CEILING. ACOUSTICAL MATERIAL PANEL TO BE CENTERED OVER AND SUPPORTED BY THE METAL "Bridging" OF THE SPEAKER PANEL. A MAX OF ONE SPEAKER PANEL IS ALLOWED PER 100 SQ FT OF CEILING AREA WITH A MIN CENTER-TO-CENTER SPACING OF 10 FT BETWEEN SPEAKER PANELS.

ARMSTRONG WORLD INDUSTRIES INC - MODEL BP67XX (XX) MAY BE USED.

16. HOLD-DOWN CLIPS - (NOT SHOWN) - NO. 24 MSG SPRING STEEL, PLACED OVER CROSS TEES.

DESIGN NO. G256

RESTRAINED ASSEMBLY RATINGS - 1, 2 AND 3 HR.

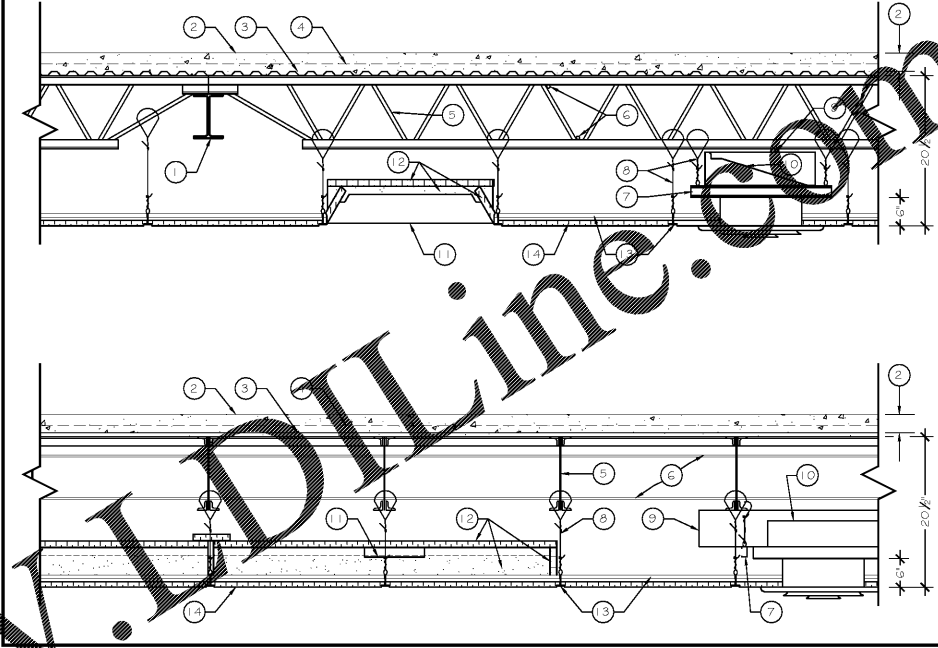
(SEE ITEMS 2, 5, 11B, 13, 13D AND 13E)

UNRESTRAINED ASSEMBLY RATINGS - 1, 2 AND 3 HR.

(SEE ITEMS 2, 5, 11B, 13, 13D AND 13E)

UNRESTRAINED BEAM RATINGS - 1, 2 AND 3 HR.

(SEE ITEMS 13, 13D AND 13E)



1 DESIGN NO. G256  
 NOTICE

1. Perimeter Channels — Used to support steel studs at both ends of wall structure. Min. 6 in. deep with min. 2 in. legs and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Perimeter channels attached to wall structure with fasteners spaced not greater than 24 in. O.C. at both the top and bottom of the vertical leg. Maximum clear span from vertical leg to vertical leg of the perimeter channels is 8 ft, 2-1/4 in.

2. Steel Studs — Min. 6 in. wide with min. 1-5/8 in. legs containing folded back flanges and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Studs to be cut 1/2 in. to 3/4 in. less than the clear span between the vertical legs of the perimeter channels. Studs spaced a max. 16 in. O.C. At each end of the stud, the un-faced side shall be secured to the perimeter channel with one 1/2 in. long pan-head steel screw. Studs are used at each end of the horizontal barrier to terminate the assembly at the adjoining wall. These end studs shall be secured to the adjoining wall in the same manner as the perimeter channels (Item 1).

3. Steel Strap — Min 4 in. wide formed from min. No. 20 MSG galv. Steel (0.0329 in. thick bare metal thickness). Secured perpendicular to the studs at the centerline of the span using two 1/2 in. long pan-head steel screws. Strips to overlap one full stud bay at splice locations. As an alternate to the steel strap, Perimeter Channels (Item 1) may be substituted and installed in the same manner as the steel straps. If a continuous piece is not used, the abutted legs are installed on each side of the centerline of the span and overlap one full stud bay.

4. Gypsum Board\* — Three layers of nom. 5/8 in. thick, 46 to 54 in. wide, gypsum board installed with long dimension perpendicular to the steel studs. Base layer installed with end joints in adjacent rows staggered min. 32 in. Boards secured to studs and perimeter channels with 1-1/4 in. long Type S steel screws spaced max. 16 in. O.C. Middle layer installed with end joints in adjacent rows staggered min. 32 in. Boards secured to the studs and perimeter channels with 1-5/8 in. long Type S steel screws spaced max. 16 in. O.C. Middle layer joints staggered a min. 16 in. from base layer joints Face layer installed with end joints in adjacent rows staggered min. 32 in. Boards secured to the studs and perimeter channels with 2-1/4 in. long Type S steel screws spaced max. 12 in. O.C. Face layer joints staggered a min. 16 in. from middle layer joints. AMERICAN GYPSUM CO — Types AGX-1 or AG-C.

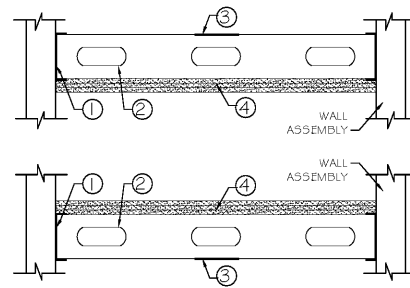
5. Joint Tape and Compound — Not Shown - (Optional- Not Required On Joints. Required On Screw Heads). - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, nom. 2 in. wide, embedded in first layer of compound over all joints.

\* 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 2014-10-14

DESIGN NO. I 501  
 UNRESTRAINED ASSEMBLY RATING - 1 HR

LOAD RESTRICTION - LIMITED TO THE DEAD WEIGHT OF THE ASSEMBLY



2 DESIGN NO. I-501  
 NOTICE

REPRINTED FROM THE ONLINE CERTIFICATION DIRECTORY WITH PERMISSION FROM UNDERWRITERS LABORATORIES INC. COPYRIGHT © 2014 UNDERWRITERS LABORATORIES INC. ©



JEFFERSON BROWNE GRESHAM ARCHITECTS  
 130 HUNTERSWOOD, SUITE 1000  
 PEACOCK CITY, GEORGIA 30259  
 770-636-9946  
 JEFFERSONBROWNEARCHITECTS.COM

REVISIONS

NO.	DESCRIPTION

RENEWED MEDICAL BUILDING  
 CORE & SHELL ONLY

SOUTH FULTON, GEORGIA  
 PROJECT #19-2983



PERMIT SET  
 MARCH 27, 2020  
 RELEASE DATE

FIRE PROTECTION-  
 FLOOR

DRAWING TITLE

© COPYRIGHT 2020 JEFFERSON BROWNE GRESHAM ARCHITECTS, INC. THIS DOCUMENT IS AN INSTRUMENT OF SERVICE. REMAINS THE PROPERTY OF JEFFERSON BROWNE GRESHAM ARCHITECTS AND NO PART THEREOF MAY BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM JEFFERSON BROWNE GRESHAM ARCHITECTS.

Drawn By: JC  
 Checked By: RGL/AB  
 PROJECT # 19-9883  
 SHEET 37 OF 37

F-103