PROJECT DIRECTORY

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OWNER
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12 EAST FOURTH AVENUE
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WESTSIDE ENGINEERING
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STRUCTURAL
TRILOGY ENGINEERING, LLC
2550 SANDY PLAINS ROAD, SUITE. 225 PMB 103
MARRIETA, GA 30066
PH 404.556.5923
CONTACT: CHAD MCDONALD

GENERAL NOTES

PERMITS AND LICENSE

1. THE CONTRACTOR MUST HAVE A CURRENT BUSINESS LICENSE AND A CODE COMPLIANCE BOND.
2. SUBCONTRACTORS MUST HAVE A CURRENT BUSINESS LICENSE.
3. ELECTRICAL, PLUMBING, AND HEATING SUBCONTRACTORS MUST GET THEIR WORK APPROVED WHEN OBTAINING PERMITS.
4. THE CONTRACTOR SHALL ASSURE THAT FINAL INSPECTIONS ARE MADE ON THE BUILDING PERMIT AND ON EACH SUBCONTRACTOR'S PERMIT, AND THAT THE FINAL SIGNOFF IS SIGNED BY THE INSPECTOR OF EACH DIVISION.
5. SIGNS SHALL BE PERMITTED THROUGH PLANNING AND ZONING DEPARTMENT, AND LOCATION APPROVED BY THE OWNER.
6. CONSTRUCTION TRAILERS ARE TO BE PERMITTED THROUGH PLANNING AND ZONING DEPARTMENT, AND LOCATION APPROVED BY THE OWNER.
7. LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION, AND IN PLAIN VIEW FROM A COUNTY ROAD OR STREET.
8. FIRE ALARM CONTRACTOR SHALL OBTAIN A FIRE ALARM SYSTEM PERMIT FROM THE COUNTY FIRE MARSHAL'S OFFICE PRIOR TO INSTALLATION.
9. FIRE SPRINKLER CONTRACTOR SHALL OBTAIN A FIRE SPRINKLER SYSTEM PERMIT FROM THE COUNTY PRIOR TO INSTALLATION.

UTILITIES

1. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL NOTIFY AND REQUEST EACH UTILITY COMPANY TO VISIT THE SITE, AND LOCATE AND MARK LOCATIONS. DURING THE COURSE OF CONSTRUCTION, PROTECT UTILITIES FROM DAMAGE. REMOVE, CAP, OR ALTER UTILITIES ONLY AS PRESCRIBED BY THESE DOCUMENTS OR AS DIRECTED IN WRITING BY THE ARCHITECT OR RESPECTIVE UTILITY COMPANY.
2. ELECTRICAL, MECHANICAL, AND OUTSIDE UTILITY WORK IS TO BE COORDINATED SO THAT THERE IS A MINIMUM OF CUTTING AND PATCHING.

DIMENSIONS

1. ALL THE DIMENSIONS SHOWN ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT, AND TO FACE OF EXTERIOR WALLS.
2. ALL EXTERIOR DIMENSIONS SHOWN ON FLOOR PLANS ARE TO THE FACE OF EXTERIOR WALL OR TO THE CENTERLINE OF ANY COLUMN GRID SHOWN.
3. ALL INTERIOR DIMENSIONS SHOWN ON FLOOR PLANS ARE FROM FACE TO FACE OF INTERIOR WALLS OR TO THE CENTERLINE OF ANY COLUMN GRID SHOWN.
4. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND JOB CONDITIONS AT THE SITE, REPORTING ANY DISCREPANCIES BETWEEN THE JOB AND DRAWINGS TO THE ARCHITECT.

CONTRACT DOCUMENTS

1. THE PLANS ARE COMPLIMENTARY. THEREFORE, THE CONTRACTOR SHALL REVIEW ARCHITECTURAL, MECHANICAL, STRUCTURAL, PLUMBING, ELECTRICAL PLANS AND ALL SPECIFICATIONS; AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND OTHER ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. ALL SUBCONTRACTORS WILL BE RESPONSIBLE FOR KNOWLEDGE OF ALL CONSTRUCTION DOCUMENTS.
2. THE WRITTEN SPECIFICATIONS AND ANY ADDENDA FOR THE PROJECT COMPLIMENT THE DRAWINGS, AND ARE HEREBY MADE A PART OF THESE PLANS AND SHALL BE SPECIFICATIONS FOR ALL MATERIALS USED ON THIS PROJECT.
3. ALL DRAWINGS AND DETAILS INCORPORATING EXISTING CONDITIONS ARE REPRESENTATIVE OF EXISTING CONDITIONS ONLY.
4. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DETAILS WITH ACTUAL CONDITIONS AND COORDINATE WITH THE ARCHITECT ANY DEVIATIONS OF THE DETAILS TO EXECUTE THE INTENT OF THESE DETAILS. THE ARCHITECT'S REVIEW OF SHOP DRAWINGS OR SAMPLES SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ANY DEVIATION FROM THE CONTRACT DOCUMENTS, NOR SHALL THE ARCHITECT'S REVIEW RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR SAMPLES.
5. ANY PERCEIVED DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO BID FOR CLARIFICATION. IN THE EVENT THAT THERE IS STILL SOME UNCERTAINTY IN HOW TO PROCEED, CONTRACTOR IS TO ASSUME THE WORST CASE SCENARIO (I.E. COSTLIEST SOLUTION).

GENERAL

1. GENERAL CONTRACTOR IS TO COMPLY WITH ALL LOCAL BUILDING CODES AND REGULATIONS WHICH ARE PRESENTLY IN EFFECT.
2. THE CONTRACTOR SHALL VISIT THE SITE, FAMILIARIZE HIM/HERSELF WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATE HIS/HER OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK CONCERNING PROVISIONS FOR AND INSTALLATION OF EQUIPMENT NOTED NIC (NOT IN CONTRACT).
4. CONTRACTOR SHALL REPAIR ALL EXISTING FINISHES WHERE DAMAGED BY THIS WORK OR OTHER CAUSES. WHERE FINISH SCHEDULE SHOWS EXISTING FINISHES TO REMAIN, THESE SHALL BE REPAIRED AND/OR EXTENDED INTO RENOVATED AREAS.
5. ARCHITECT SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF ANY POSSIBLE HISTORIC OR ANTHROPOLOGIC FINDS DURING CONSTRUCTION.
6. ALL CEILING HEIGHTS SHALL BE AS INDICATED ON DRAWINGS UNLESS MECHANICAL, ELECTRICAL, OR STRUCTURAL (NEW OR EXISTING) COMPONENTS PREVENT FULL HEIGHT. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT. CEILING WILL THEN BE ADJUSTED TO AS CLOSE AS POSSIBLE TO THE HEIGHTS SHOWN.
7. ALL VERTICAL MECHANICAL CHASE WALLS SHALL EXTEND FROM FINISH FLOOR TO STRUCTURE ABOVE, AND HAVE A TWO-HOUR FIRE RATING OR AS PER IBC.
8. ALL EXPOSED MECHANICAL UNITS, DUCTS, AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT WALL / CEILING FINISH.
9. FUR IN ALL MECHANICAL DUCTS, PIPES, AND VENTS IN ALL AREAS UNLESS NOTED OTHERWISE; EXCEPT GAS PIPES WHERE REQUIRED BY CODE TO BE RUN EXPOSED.
10. WHERE FURRING IS NOT SHOWN ON PLANS, CHECK AND VERIFY LOCATIONS OF DUCTS, PIPES, AND VENTS WITH MECHANICAL AND FUR IN WITH SAME MATERIAL TO MATCH ADJACENT FINISHES UNLESS NOTED OTHERWISE.
11. FUR IN ALL FIRE EXTINGUISHER CABINETS SO AS TO AFFORD PROPER RECESSED FIT AND TO MAINTAIN THE INTEGRITY OF ANY RATED WALL IN WHICH THEY OCCUR.
12. ALL VERTICAL CEILING DROPS SHALL BE MADE OF SAME MATERIAL ASCENDING IN ROOM IN WHICH DROP OCCURS UNLESS NOTED OR DETAILED OTHERWISE.
13. DRYWALL PARTITIONS WHICH EXTEND TO STRUCTURE SHALL BE TIGHT AGAINST BEAMS, HEADERS, JOISTS, OR DECKS AND BE CAULKED WITH SEALANT. AT RATED PARTITIONS, PROVIDE U.L. LISTED SEALANTS.
14. PROVIDE DOUBLE STUDS AT ALL OPENINGS IN WALLS.
15. PROVIDE JAMB ANCHOR CLIPS, FLOOR ANCHOR CLIPS, AND MITERED HEAD SPLICES AT ALL DOOR AND BORROWED LIGHT FRAMES.
16. ALL WOOD BLOCKING SHALL BE FIRE RETARDENT TREATED.
17. ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDE[illegible]ED WITH SIG[illegible] STENCILING ABOVE ANY DECORATIVE CEILING AND/OR IN CONCEALED SPACES WITH LETTE[illegible]UM OF TWO [illegible]ES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF TWELVE FEET ON CENTER WITH A MIN[illegible] OF ONE PE[illegible]ALL OR BARRIER. THE HOURLY FIRE RATING SHALL BE INCLUDED ON ALL RATED WALLS OR BARRIERS. SU[illegible]TED WO[illegible]G: "?-HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS.".

BIM Server: PEA[illegible] Server 21/420.03.01 Floyd Co Training Facilities

RATED ASSEMBLIES

Design No. U906

March 11, 2016
Bearing Wall Rating —2 HR. (AMMO VAULT - 1 HR. RATING REQUIRED)

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

1. Concrete Blocks* — Nominal 6 by 8 by 16 in, hollow or solid. Various designs. Classification (2 hr). See Concrete Blocks category for list of eligible manufacturers.

ANCHOR CONCRETE PRODUCTS INC

GAGNE & SON CONCRETE BLOCK INC

GLENWOOD MASONRY PRODUCTS

Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.

OLDCASTLE APG SOUTH INC, DBA ADAMS PRODUCTS

WESTBROOK CONCRETE BLOCK CO INC

Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).
4. Foamed Plastic* — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation" and "EnergyShield Pro 2 Wall Insulation"

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ Sheath

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS — Types Xci-Class A, Xci 286

RMAX OPERATING L L C — "TSX-8500", "TSX-8510", "Thermasheath-XP", "ECOMAXci", "Thermasheath-3", "Durasheath-3"

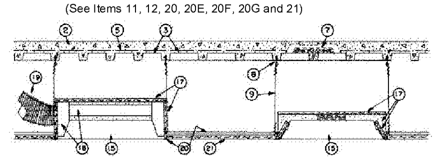
THE DOW CHEMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation

4A. Building Units — As an alternate to Item 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in. RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI"

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

Design No. D216 (AMMO VAULT - 1 HR. RATING REQUIRED)

Restrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 2, 3, 7, 11, 12, 20, 20E, 20F, 20G and 21)
Unrestrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 2, 3, 7, 11, 12, 20, 20E, 20F, 20G and 21)
Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 11, 12, 20, 20E, 20F, 20G and 21)



1. Beam —W8x15, min size. As an alternate to steel beams, standard steel joists, Type 10J3, 12K1 or LH Series joists of any size may be used as an alternate to steel beams. Joist girders, 20 in. min depth and 1[illegible] lb/lin ft min weight may also be used as alternate to steel beams.

2. Normal Weight or Light Weight Concrete — Carbonate or siliceous aggregate, 150 (+ or -) 3 pcf unit weight, 3000 psi compressive strength, vibrated. Lightweight concrete, expanded shale or slate aggregate by rotary kiln method or expanded clay aggregate by rotary kiln or sintered grate method; 110 (+ or -) 3 pcf unit weight, 3000 psi compressive strength, 4 to 7 percent entrained air, liberat[illegible] Item No. 21 for concrete topping thickness required for hourly ratings.

3. Steel Floor And Form Units* — Composite, 1-1/2, 2 or 3 in. deep[illegible] min 22 MSG galv fluted units and/or composite 1-1/2, 2 or 3 in. deep, min 20/20 MSG galv cel[illegible]ar units. When a [illegible]d of fluted and cellular units is used, the concrete topping thickness shall be m[illegible]sured from th[illegible] of the cellular units. Welded to supports 12 in. OC. Adjacent units button-pun[illegible]ed or weld[illegible] togeth[illegible] in. OC a[illegible]side joints. See Item No. 21 for hourly ratings with various combina[illegible]ns of steel [illegible]or units.

CONSOLIDATED SYSTEMS INC — 24 or 36 in. wide Types [illegible]FD-2, CFD[illegible]24, 30 or [illegible]. wide Type CFD-1.5. Units may be phos/ptd.

Alternate Construction — Noncomposite units of the same type [illegible]ted above [illegible] be u[illegible]ed provided allowable loading is calculated on the basis of noncomposite des[illegible].

4. Joint Cover — 2 in. wide pressure[illegible] cloth tape. Where flute[illegible]and cellular floor units are installed end to end, galv steel an[illegible]es shall be tack-welded to the cellul[illegible]oor units in such a m[illegible]er as to cover the cells.

5. Welded Wire Fa[illegible]6-W1.4[illegible]

6. Shear C[illegible]ors —(Op[illegible]) — Stu[illegible]s, 3/4 in. d[illegible]m with 1-1/4 in. diam by 1/2 in. thick head or equivale[illegible]SC specific[illegible]s. 1/2 i[illegible] cover required above top of shear connector.

[illegible]ctrical Ins[illegible] — Preset ele[illegible] inserts Classified Outlet Boxes and Fittings Classified for Fi[illegible]esistance. [illegible]ess specifi[illegible]otherwise for a particular preset electrical insert type, the spacing of the [illegible]t electrical [illegible]erts shall be not less than 24 in. OC along cellular steel floor units with not more th[illegible] preset ele[illegible]ert in each 4 sq ft of floor area.

H H ROB[illegible]ON — Inserts.

[illegible]e II-FN, II-EAFN; Series KEB)

Installed per accompanying installation instructions over factory-punched holes in QL-AKX or QL-WKX floor units. Inserts are used in the pre-active, active, or abandoned condition. The holes cut in the insert cover for passage of wires shall be no more than 1/8 in. larger diam than the wire. For abandonment of Tapmate inserts, see installation instructions. Abandonment requires use of KEB-PC insert cover with no holes in it (for all Tapmate inserts), or a KEB-PC2 or -PC2-A1 abandonment cover for Tapmate II-EAFN only.

The Tapmate II-FN insert may use KEB-HP-1 outlet box fittings in lieu of the KEB-PC flush cover fittings.

For 2 h Restrained and Unrestrained Assembly Ratings only, installed per accompanying installation instructions over factory punched holes in 24 in. wide QL-GKX floor units alternating with 36 in. wide, 3 in. deep QL-99 fluted units. Inserts are used in the pre-active, active or abandoned condition. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diameter than the wire. For abandonment of Tapmate inserts, see installation instructions.

H H ROBERTSON — Tapmate II-FN, II-EAFN; Series KEB; Tapmate IV-FN-S, IV-FN-H, IV-EAFN; Series KED.

(2) Walker Systems Inc.Inserts.

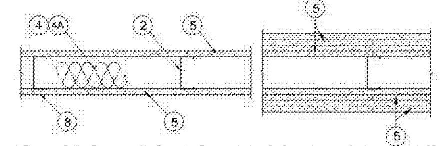
(N-R-G Bloc IV Preset Inserts; FAKM-II, RAKM-II, S36BB, S36BC, S36CC Service Fittings)

Installed per accompanying installation instructions over factory-punched holes in 3 in. deep K-Type cellular steel floor units. Either Type RAKM-II, FAKM-II, S36BB, S36BC or S36CC service fittings are installed with Type N-R-G Bloc IV Series preset inserts per accompanying installation instructions. Refer to installation instructions for Classified assemblies.

DESIGN No. U419

JULY 14, 2016

Nonbearing Wall Ratings - 1Hr (OCCUPANY SEPARATION-TRAINING/CONFERENCE ROOM, ELECTRICAL AND JANITOR CLOSETS)



1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.
4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.
See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in.	No. of Layers	Min Thkns of Insulation
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 [illegible] OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spa[illegible]ed 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 i[illegible]8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spa[illegible] OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, s[illegible]ced 24 [illegible] Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels[illegible]ed 12 in. OC. Screws offset min 6 in. from layer below.

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint c[illegible]pound applied [illegible]wo coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, emb[illegible] in first layer of co[illegible]pound over all joints of outer layer panels. Paper tape and joint compound m[illegible] when gypsum [illegible]nels are supplied with a square edge.

10. Caulking and Sealants* — (Optional, Not S[illegible] bead of acousti[illegible] applied [illegible]round the partition perimeter for sound control.

Desig[illegible]. L527

BX[illegible]27
[illegible]ire Resistance Rati[illegible]s - ANSI/UL 263
[illegible]n/S[illegible]tem/Construction/Assembly Usage Disclaimer
BXUV - [illegible]nce Ratings - ANSI/UL 263 Certified for United States
[illegible] Fire R[illegible]tance Ratings - CAN/ULC-S101 Certified for Canada

See General [illegible]r Fire-resistance [illegible]tings - ANSI/UL 263 Certified for United States
Design Criteria a[illegible]le Variances

See General Informat[illegible] Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allow[illegible] Variances

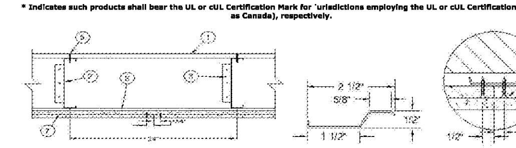
Design No. L527

June 22, 2018

Unrestrained Assembly Rating — 1-1/2 Hr.

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



Resilient Channel Detail   End Joint Detail

1. **Flooring System** — The flooring system shall consist of one of the following:

System No. 1

Subflooring — Min 3/4 in. thick plywood, min grade "Underlayment". Face grain of plywood to be perpendicular to joists with end joints staggered. Long edges to be T & G.

2. **Steel Joists** — The joists are channel-shaped, min 9-3/8 in. deep with min 1-5/8 in. wide flanges and 1/2 in. long stiffening flanges. The joists are fabricated from min No. 16 MSG galv steel. Min yield strength of steel is either 33,000 or 40,000 psi with corresponding max working stress of 20,000 and 24,000 psi. Joists spaced max 24 in. OC. At joist splices bearing on supports, joists are connected using an overlapping section of 1 ft long joist, with eight 1/2 in. long Type S12 pan head screws.

3. **Angle Clips** — No. 14 MSG, 8 in. long steel angles with 2 in. legs and four 1/8 in. diam holes spaced 2 in. OC and located 1 in. from the ends and 3/4 in. from long edge. Secured to header and joists with eight 1/2 in. long S12 pan head screws.

3A. **Joist Bridging** — (Not Shown) — Installed immediately after joists are erected and before construction loads are applied. The bridging consisting of joist sections cut to length and placed between outer supports, adjacent to openings and at mid-span with 8 ft OC max spacing. Bridging channels are screw-attached at each end to joist web using angle clips. V-bracing of 1-1/2 in. by 20-ga galvanized steel is screw-attached to bottom joist flange between bridging channels.

4. **Adhesive** — (Not Shown) — Construction adhesive applied to top surface of joists prior to placing of plywood subfloor sheets.

5. **Flooring Fasteners** — The plywood subfloor to be fastened to the steel joists with 1-5/16 in. long Type S12 screws spaced 24 in. OC and located 5/8 in. from butt joints and 1 in. from long edges.

6. **Resilient Channels** — Nom 1/2 in. deep resilient channels, formed of No. 24 MSG galv steel and shaped as shown, spaced 16 in. OC perpendicular to joists. Resilient channels fastened to each joist with 1/2 in. long Type S-12 pan head steel screws.

7. **Gypsum Board*** — Two layers of nom 5/8 in. thick, 48 in. wide gypsum board installed with long dimension perpendicular to resilient channels. Upper layer attached to resilient channels using 1 in. long Type S bugle head steel screws spaced 24 in. OC and located 5/8 in from butt joints and 2 in. from long edges. Butt joints to be centered under resilient channels. Face layer installed perpendicular to resilient channels and attached to resilient channels through upper layer with 1-5/8 in. long Type S bugle head screws spaced max 12 in. OC in the field and 1 in. from side edges of boards. All long edge joints in face layer boards to be offset from long edge joints in upper layer a min of 16 in. Butt joints of face layer to occur between resilient channels with each end of butted boards attached to upper board with 1-1/2 in. long Type G bugle head steel screws spaced 8 in. OC along the joint and 3/4 in. from butt joints.

AMERICAN GYPSUM CO — Type AG-C
CERTAINTEED GYPSUM INC — Types FRPC, Type C, Type X-2
GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C
NATIONAL GYPSUM CO — Types FSK-C, FSW-C, FSW-G
UNITED STATES GYPSUM CO — Type C

8. **Finishing System** — (Not Shown) — Vinyl, dry or premixed joint compound, applied in one coat to joints and screw-heads. Nom 2 in. wide paper tape embedded in compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

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

INDEX OF DRAWINGS

VICINITY MAP

SYMBOL LEGEND

[illegible]TLES — [illegible]RAWING NUMBER / [illegible]EET NUMBER	XX / XXX — DRAWING TITLE / DRAWING SCALE	PARTITION TYPE	X	REVISION NUMBER	1
[illegible]ETAIL — [illegible]TAIL NUMBER / [illegible]EET NUMBER	XX / XXX	DOOR NUMBER	000	REVISED AREA	
		KEY NOTE	1		
[illegible]ECTION — [illegible]CTION NUMBER / [illegible]EET NUMBER	XX / XXX	COLUMN LINE	X	EQUIPMENT TAG	001
[illegible]EVATION — [illegible]EVATION NUMBER / [illegible]EET NUMBER	XX / XXX	WINDOW TYPE	X		

PEACOCK ARCHITECTS
55[illegible] INTERSTATE [illegible]ORTH PKWY
ATLA[illegible] GEORGIA 30328
404 - 2[illegible] - 5200 PHONE
404 - 214 - 5208 FAX

RELOCATED TRAINING CENTER
FOR
THE FLOYD COUNTY JAIL
2526 NEW CALHOUN HIGHWAY N.E.
ROME, GEORGIA 30161

DATE	REVISION

PROJECT NO:
420.03.01

DATE:
JULY 17, 2018

DRAWING TITLE:
GENERAL NOTES

A0.01