

- 1. Steel Beam — W8x15, min size
- 2. Flooring Systems — The finish flooring, vapor barrier and subflooring may consist of any of the following systems.

System No. 1 Finish Flooring — Min. nom 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single Floor". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. Long edges to be 1/8 in. thick plywood or 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **Vapor Barrier** — Commercial rosin-sized building paper, 0.010 in. thick. **Subflooring** — Min nom 15/32 in. thick plywood or 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 3 Finish Flooring** — **Floor Topping Mixture** — Compressive strength 1500 psi minimum. Thickness to be 1 in. min. Refer to manufacturer's instructions accompanying the material for specific mix design. **UNITED STATES GYPSUM CO** — Levelrock 2500, Levelrock RH **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **Floor Mat Materials*** — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Type USG Sound Mat **Alternate Floor Mat Materials*** — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Levelrock Brand Sound Reduction Board. **System No. 4 Finish Flooring** — **Floor Topping Mixture*** — 10-13 gal. of water to 170 lbs. of floor topping mixture to 595 lbs. of sand. Compressive strength 900 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick subflooring and 1 in. min when used with 15/32 in. thick subflooring. **ORTECRETE CORP** — Type II. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 5 Finish Flooring** — **Floor Topping Mixture*** — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mix at rate of 1.4 cu ft of preformed foam to 94 lbs Type I Portland Cement and 300 lbs of sand with 5-1/2 gal of water. Cast density of floor topping mixture 100 plus or minus 5 pcf. Min compressive strength 1000 psi. Thickness 1-1/2 in. **ELASTIZELL CORP OF AMERICA** — Type FF. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 6 Finish Flooring** — **Floor Topping Mixture*** — 6.8 gal of water to 80 lbs bag of floor topping mixture to 1.9 cu ft of sand. Compressive strength to be 1100 psi min. Thickness to be 3/4 in. min. **HACKER INDUSTRIES INC** — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant. **Floor Mat Materials*** — (Optional) — Floor mat material nom 1/4 in. thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1/2 in. of floor-topping mixture. **HACKER INDUSTRIES INC** — Type Sound-Mat. **Vapor Barrier** — (Optional) Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 7 Floor Topping Mixture*** — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through a foam nozzle. Mix at rate of 1.2 cu ft of preformed foam to 94 lbs Type I Portland Cement, 62.5 lb of Pea Gravel and 312.5 lbs of sand, with approximately 5.5 gal of water. Cast density of Floor Topping Mixture 100 (+ or -) 5 pcf. Min compressive strength 1000 psi. Thickness 1-1/2 in. **LITE-CRETE INC** — Type I. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 8 Finish Flooring** — **Floor Topping Mixture*** — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through a foam nozzle. Mix at rate of 1.2 cu ft of preformed foam to 94 lbs Type I Portland Cement, 1.2 cu ft preformed foam, 5 oz Type N fiber and 4 oz Component Z. Cast density of floor topping mixture shall be 105 (+ or -) 5 pcf with a min compressive strength of 1200 psi. Min thickness shall be 3/4 in. **ELASTIZELL CORP OF AMERICA** — Type ZC. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 9 Finish Flooring** — **Floor Topping Mixture*** — 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand. Min compressive strength 1000 psi. Min thickness of 3/4 in. **ULTRA QUIET FLOORS** — Types UQF-A, UQF-Super Blend, UQF-Plus 2000. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 10 Finish Flooring** — **Floor Topping Mixture*** — 3 to 7 gal of water mixed with 80 lbs of floor topping mixture to 1.4 to 1.9 cu ft of sand. Compressive strength to be 1000 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick sub-flooring or 1 in. min when used with 15/32 in. thick sub-flooring. **MAXXON CORP** — Type D-C, GC, GC2000, L-R or T-F. **Floor Mat Material*** — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **MAXXON CORP** — Type Acoust-Mat. **Metal lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Floor topping thickness a nom 1 in. over the floor mat. **Alternate Floor Mat Materials*** — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat. **MAXXON CORP** — Type Acoust-Mat II. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 11 Finish Flooring** — **Floor Topping Mixture*** — 4 gal of water mixed with 80 lbs of floor topping mixture to 1.4 to 1.9 cu ft of sand. Compressive strength to be 1200 psi min. Thickness to be 3/4 in. min when used with 19/32 in. thick sub-flooring or 1 in. min when used with 15/32 in. thick sub-flooring. **RAPID FLOOR SYSTEMS** — Type RF, RFP or RFU. **Floor Mat Material*** — (Optional) — Floor mat material nom 1/4 in. thick adhered to sub-floor with Maxxon Floor Primer. Primer to be applied to the surface of the mat prior to lath placement. **MAXXON CORP** — Type Acoust-Mat. **Metal lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Floor topping thickness a nom 1 in. over the floor mat. **Alternate Floor Mat Materials*** — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat. **MAXXON CORP** — Type Acoust-Mat II. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — Min nom 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 12 Finish Flooring** — Mineral and Fiber based sizes ranging from 1/2 in. by 4 in. 8 ft by 12 ft, by min 1/2 in. thick. All joints to be staggered a min of 12 in. OC with adjacent sub-floor joints. **HOMASOTE CO** — Type 440-32 Mineral and Fiber Based. **Sub-flooring** — 1/2 in. T&G fastened diagonally to joists or min nom 15/32 in. thick plywood or 7/16 in. oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered. **System No. 13 Finish Flooring** — **Floor Topping Mixture*** — Compressive strength to be 3000 psi minimum. Thickness to be 1/2 in. minimum when used with 19/32 in. thick wood structural panels, or 3/4 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design. **UNITED STATES GYPSUM CO** — Levelrock 3500, Levelrock 4500. **Commercial RH Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Sub-flooring** — 15/32 or 19/32 in. thick wood structural panels min grade "C-D" or "Sheathing". Face grain of plywood to be perpendicular to joists with joints staggered. **Floor Mat Materials*** — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Type USG Sound Mat **Alternate Floor Mat Materials*** — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Levelrock Brand Sound Reduction Board. **System No. 14 Finish Flooring** — **Floor Topping Mixture*** — Compressive strength to be 3000 psi minimum. Thickness to be 1/2 in. minimum when used with 19/32 in. thick wood structural panels, or 3/4 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design. **UNITED STATES GYPSUM CO** — Levelrock 4500. **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Sub-flooring** — 15/32 or 19/32 in. thick wood structural panels min grade "C-D" or "Sheathing". Face grain of plywood to be perpendicular to joists with joints staggered. **Floor Mat Materials*** — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Type USG Sound Mat **Alternate Floor Mat Materials*** — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Levelrock Brand Sound Reduction Board. **System No. 15 Finish Flooring** — **Floor Topping Mixture*** — Compressive strength to be 3000 psi minimum. Thickness to be 1/2 in. minimum when used with 19/32 in. thick wood structural panels, or 1 in. when used with 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design. **UNITED STATES GYPSUM CO** — Levelrock SLG **Vapor Barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Sub-flooring** — 15/32 or 19/32 in. thick wood structural panels min grade "C-D" or "Sheathing". Face grain of plywood to be perpendicular to joists with joints staggered. **Floor Mat Materials*** — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Type USG Sound Mat **Alternate Floor Mat Materials*** — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat. **UNITED STATES GYPSUM CO** — Levelrock Brand Sound Reduction Board. **System No. 16 Finish Flooring** — **Floor Topping Mixture*** — Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mix at rate of 1.2 cu ft of preformed foam to 94 lbs Type I Portland cement and 300 lbs of sand with 5-1/2 gal of water. Cast density of floor topping mixture 100 plus or minus 5 pcf. Min compressive strength of 1000 psi. Thickness 1-1/2 in. **ORTECRETE L.L.C** **Vapor barrier** — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick. **Subflooring** — 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood to be perpendicular to joists with joints staggered. **Flooring Fasteners** — The subflooring (first layer) of each floor system or finish flooring (System No. 1) is to be fastened to the steel joists with Type S12 by 1-15/16 in. long self-drilling, pilot point, steel screws. The screws are to be spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the subflooring panels. Spacing in the field to be 10 in. OC. For flooring system No. 2, the finish flooring is to be fastened to the subflooring with Type S12 by 2 in. long steel screws spaced 6 in. OC around the perimeter of the floor and at all end (butt) joints of the finish flooring panels. Spacing in the field to be 10 in. OC with rows of screws spaced 16 in. OC. **2. Steel Joists** — The joists are channel-shaped, 7 in. min depth with 1-5/8 in. min width flanges and 1/2 in. long stiffening flanges. The joists are fabricated from min of No. 18 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 soles bearing on supports, joists are overlapped a min of 3 in. **3. Joist Stiffeners** — (Not shown.) Min No. 18 MSG, galv steel. Stiffeners are channel-shaped, 6-13/16 in. long, 3-1/2 in. deep with 1-5/8 in. flanges and 1/2 in. stiffening flanges. The joist stiffeners are used at all bearing locations of the joists. **4. Joist Bridging** — (Not shown.) — Installed immediately after joists are erected and before construction loads are applied. The bridging consisting of cul to C. long joist section is placed between outer supports, adjacent to openings and at mid span with 8 ft O.C. max spacing. Bridging channels are screw-attached at each end to joist webs using angle clips. V-bracing of 1-1/2 in. by 20-gal galvanized steel is screw-attached to bottom joist flange between bridging channels. **5. Beam Cage** — The cage used to support the gypsum wallboard beam protection is fabricated from No. 24 MSG, electrogalvanized steel angle with 7/8 by 1-3/8 in. legs and No. 25 MSG, electrogalvanized steel channel studs, 2-1/2 in. wide with 1 in. legs. Angles are fastened to the steel joists using 1/2 in. pan head steel sheet metal screws. **6. Gypsum Board*** — For Ceiling — Two layers of 1/2 in. thick sheets installed with long dimensions perpendicular to joists. Inner layer attached to steel joists using 1 in. long, Type S12 bugle head steel screws spaced 12 in. O.C. at the butt joints located 1/2 in. from the edges and spaced 12 in. O.C. in the field. Butt joints to occur over joists. Outer layer attached to assembly using 1-1/2 in. long, Type S bugle head steel screws at the butt joints, spaced 8 in. O.C. and located 3/4 in. from the edge, and in the field with 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. O.C. along the joists. Butt joints of outer layer to occur between joists. Edge joints to be staggered from inner layer. **For Beam** — Two layers of 1/2 in. gypsum wallboard, inner layer fastened to beam using 1 in. long, Type S12 bugle head steel screws spaced 12 in. OC and outer layer fastened to cage using 1-5/8 in. long, Type S12 bugle head steel screws spaced 12 in. OC. Joints are to be staggered. **AMERICAN GYPSUM CO** — Types AG-C, AGX-C. **BPB AMERICA INC** — Type FRPC, ProRoc Type C. **BPB CANADA INC** — ProRoc Type C. **CANADIAN GYPSUM COMPANY** — Type C. **G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP** — Type 5. **LAFARGE NORTH AMERICA INC** — Types LGFC-C, LGFC C/A. **NATIONAL GYPSUM CO** — Types FSK-C, FSW-C. **PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC** — Type PG-C. **STANDARD GYPSUM L L C** — Type SG-C. **TEMPLE-INLAND FOREST PRODUCTS CORP** — Type TG-C. **UNITED STATES GYPSUM CO** — Type C. **USG MEXICO S A DE C V** — Type C. **ALTERNATE CEILING MEMBRANE** — Not Shown. **9. Hanger Wire** — For use with Item 10. No. 12 SWG galv steel wire secured to steel joists spaced a max 48 in. OC. **10. Steel Framing Members** — To be installed below the bottom flange of the steel beam. **a. Main runners** — Installed perpendicular to Structural Steel Members, -Nom 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC. **b. Cross tees or channels** — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation. **c. Wall angles or channels** — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard. Painted or galvanized steel angles with 1 in. legs or channels with 1 in. legs and 1-9/16 in. deep, attached to walls at perimeter of ceiling with fasteners 16 in. OC. **CGC INTERIORS, DIV OF CGC INC** — Type DGL or RX. **USG INTERIORS INC** — Type DGL or RX. **11. Gypsum Board*** — For use with Steel Framing Members (Item 10) Two layers of nominal 1/2 in. thick by 48 in. wide boards. Inner layer installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Inner layer fastened to cross tees with 1-1/4 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. End joints of adjacent wallboard sheets shall be staggered not less than 4 ft OC. Outer layer attached to the cross tees through inner layer using 1-7/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints to be centered along cross tees and be offset a min of 32 in. from end joints of inner layer. Rows of screws on both sides of butted end joints of each layer shall be located 3/8 to 1/2 in. from end joints. Butted side joints of outer layer to be offset a min of 18 in. from butted side joints of inner layer. **CANADIAN GYPSUM COMPANY** — Type C. **UNITED STATES GYPSUM CO** — Type C. **USG MEXICO S A DE C V** — Type C. *Bearing the UL Classification Mark

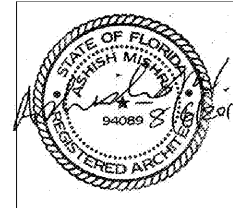
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REVISIONS		
No.	Date	Description

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KEY PLAN

VTM Hotels, LLC

Home2Suites

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Pensacola, FL 32526

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