Design No. L528

sive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Subflooring — Min 23/32 in. thick T & G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss.

strength axis of panels to be perpendicular to the trusses with end

joints staggered 4 ft. Panels secured to trusses with construction adhe-

Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Vapor Barrier — (Optional) - Nom 0.010 in, thick commercial rosin

crete with Perlite Aggregate* or Vermiculite Aggregate*, or gypsum See Perlite Aggregate (CFFX) and Vermiculite Aggregate (CJZZ) categories for names of manufacturers.

Unrestrained Assembly Ratin g — 1 Hr. Finish Ratin g — 30 Min.

Flooring Systems — The flooring system shall consist of one of the following:

System No. 1
Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to

joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented

?Sheathing?. Face grain of plywood or strength axis of panel to be per-

Vapor Barrier - Nom 0.010 in. thick commercial rosin-sized building

paper.
Finish Flooring — Min 1 by 4 in. T & G lumber installed perpendicu-

lar to joists, or min 19/32 in. thick wood structural panels, min grade

System No. 2
Subflooring — Min 15/32 in. thick wood structural panels, min grade

?C-D? or ?Sheathing?. Face grain of plywood or strength axis of panels

Vapor Barrie r — (Optional) — Nom 0.030 in. thick commercial asphali

Floor Mat Materials * - (Optional) - Min 3/8 in. to max 3/4 in. thick

floor mat material loose laid over the subfloor. Floor topping thickness

Alternate Floor Mat Materials * - (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness

shall be as specified under Floor Topping Mixture .

UNITED STATES GYPSUM CO —Levelr ock Brand Floor Under

floor mat material loose laid over the subfloor. Floor topping thickness

SOLUTIA INC —Type SC50
Finish Floorin g - Floor Topping Mixture* — Min 3/4 or 1 in. thick-

wood structural panels respectively, having a min compressive strength of 1500 psi. Refer to manufacturier's instructions accompanying the

UNITED STATES GYPSUM CO -Levelr ock 2500, Levelr ock RH

Subflooring — Min 19/32 in, thick wood structural panels, min grade

?C-D? or ?Sheathing?. Face grain of plywood or strength axis of panel

Floor Mat Materials * - (Optional) - Nom 1/4 in. thick floor mat

material adhered to subfloor with Hacker Floor Primer. Primer to be

topping mixture. When floor mat material is used, min thickness of

Finish Floorin g - Floor Topping Mixture* — Min 3/4 in. thickness of

floor topping mixture having a min compressive strength of 1100 psi.

Mixtur e shall consist of 6.8 gal of water to 80 lbs of floor topping mix

HACKER INDUSTRIES INC —Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High

System No. 4
Subflooring — Min 15/32 in. thick wood structural panels, min grade

?C-D? or ?Sheathing?. Face grain of plywood or strength axis of panel

Vapor Barrie r - (Optional) - Nom 0.030 in thick commercial asphal

Finish Flooring - Floor Topping Mixture* - Min 1-1/2 in. thickness

of floor topping mixture having a min compressive strength of 1000

psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate

mixed 40:1 by volume with water and expanded at 100 psi through

nozzle. Mixtur e shall consist of 1.4 cu feet of preformed foam concen

trate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal

ELASTIZELL CORP OF AMERICA -Type FF

applied to the surface of the mat prior to the placement of floor-

HACKER INDUSTRIES INC —Type Sound-Mat

ness of floor topping mixture for min 19/32 or min 15/32 in. thick

Alternate Floor Mat Materials * - (Optional) - Nom 3/8 in. thick

shall be as specified under Floor Topping Mixture.

to be perpendicular to joists with joints staggered.

material for specific mix design.

floor topping mixture is 1-1/2 in.

Strength, Gyp-Span Radiant

to be perpendicular to joists with joints staggered.

ture to 1.9 cu ft of sand.

shall be as specified under Floor Topping Mixture .

UNITED STATES GYPSUM CO —Levelr ock Brand Sound

axis of panels to be perpendicular to joists with joints staggered.

to be perpendicular to the joists with joints staggered.

PUnderlayment? or ?Single-Floor?. Face grain of plywood or strength

strand board (OSB) wood structural panels, min grade ?C-D? or

pendicular to joists with joints staggered.

UL #L528

NOT TO SCALE

Finish Flooring — Min 3/4 in. thickness of lightweight insulating con-

Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material adhered to subfloor with Hacker Floor Primer. Primer to be

applied to the surface of the mat prior to the placement of floortopping mixture. When floor mat material is used, min thickness of floor topping mixture is 1-1/2 in. HACKER INDUSTRIES INC —Type Sound-Mat Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of

floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand. HACKER INDUSTRIES INC —Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High

Strength, Gyp-Span Radiant

Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional)— Commercial asphalt saturated felt, 0.030 in, thick. Floor Mat Materials* — (Optional) - Min 3/8 in. to max 3/4 in. thick

shall be as specified under Floor Topping Mixture. UNITED STATES GYPSUM CO —Levelrock Brand Sound Reduction Mat Alternate Floor Mat Materials* — (Optional) - Nom 1/4 in, thick floor

floor mat material loose laid over the subfloor. Floor topping thickness

mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture. UNITED STATES GYPSUM CO -Levelrock Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture. SOLUTIA INC —Type SC50 Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1500 psi.

Refer to manufacturer's instructions accompanying the material for specific mix design. UNITED STATES GYPSUM CO —Levelrock 2500, Levelrock RH System No. 5 Subflooring — Min 23/32 in. thick wood structural panels, min grade

"C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier-(Optional) — Commercial asphalt saturated felt, 0.030 Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness

of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal ELASTIZELL CORP OF AMERICA —Type FF

System No. 6 Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier-(Optional) — Commercial asphalt saturated felt, 0.030 in, thick,

Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.

CELLULAR CONCRETE L L C —Floor Topping Mixture

System No. 7 **Subflooring** — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030

Finish Flooring - Floor Topping Mixture* — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 62.5 lbs of Pea Gravel, 312.5 lbs of sand with 5-1/2 gal of water.

LITE-CRETE INC -Type I Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional)— Commercial asphalt saturated felt, 0.030

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi and a cast density of 105 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand, 5 oz Type N fiber, 4 oz Component Z with 5.4 gal of water.

ELASTIZELL CORP OF AMERICA —Type ZC Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a 28-day compressive strength of 190 to 350 psi, as determined in accordance with ASTM C495-66, and a dry density of 31.5 plus or minus 3.0 pcf. Mixture shall consist of 2.95 cu ft of stabilized preformed foam to 94 lb of Portland cement premixed

with 6 gal of water. CELLUFOAM CONCRETE SYSTEMS, DIV OF CELLUFOAM CONCRETE OF CANADA (EASTERN) LTD —Type Cellufoam

System No. 10 Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick.

Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mix-

MAXXON CORP —Type Acousti-Mat II 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 Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 3 to 7 gal of water to 80 lbs of floor topping

mixture to 1.0 to 2.1 cu ft of sand. MAXXON CORP — Types D-C, GC, GC2000, L-R, T-F, CT System No. 11 Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand. ULTRA QUIET FLOORS — UQF-A, UQF-Super Blend, UQF-Plus

System No. 12 Subflooring — Min 23/32 in. thick wood structural panels, min grad "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030

in, thick, Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor, Maxxon Floor Primer to be

applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mix-

MAXXON CORP —Type Acousti-Mat II 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 Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of

Mixture shall consist of 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand. RAPID FLOOR SYSTEMS —Types RF, RFP, RFU, RFR, Ortecrete System No. 13 Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to trusses, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or

floor topping mixture having a min compressive strength of 1200 psi.

"Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered Finish Floor - Mineral and Fiber Board* — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.

Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Floor Mat Materials* — (Optional) - Min 3/8 in. to max 3/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness

HOMASOTE CO —Type 440-32 Mineral and Fiber Board

System No. 14

UNITED STATES GYPSUM CO —Levelrock Brand Sound Reduction Mat Alternate Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture.

shall be as specified under Floor Topping Mixture.

UNITED STATES GYPSUM CO -Levelrock Brand Floor Underlayment SRM-25 Alternate Floor Mat Materials* — (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture. SOLUTIA INC —Type SC50 Finish Flooring - Floor Topping Mixture* — Min 1/2 thickness of

floor topping mixture for having a min compressive strength of 2100 psi. Refer to manufacturer's instructions accompanying the material for specific mix design. UNITED STATES GYPSUM CO —Levelrock 3500, Levelrock Commercial RH

System No. 15 Subflooring — Min 23/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Floor Mat Materials* — (Optional) - Min 3/8 in. to max 3/4 in. thick

floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture. UNITED STATES GYPSUM CO —Levelrock Brand Sound Reduction Board Alternate Floor Mat Materials* — (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall

be as specified under Floor Topping Mixture. UNITED STATES GYPSUM CO -Levelrock Brand Floor Underlayment SRM-25 Alternaté Floor Mat Materials* — (Optional) - Nom 3/8 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture.

SOLUTIA INC —Type SC50 Finish Flooring - Floor Topping Mixture* — Min 1/2 in. thickness of floor topping mixture having a min compressive strength of 3000 psi Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO —Levelrock 4500 System No. 16 Subflooring — Min 23/32 in. thick wood structural panels, min grade

"C-D" or "Sheathing". Face grain of plywood or strength axis of panels

to be perpendicular to the trusses with joints staggered. Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix ALLIED CUSTOM GYPSUM PLASTERWORKS L L C — Accu-Crete

2. Trusses — Parallel chord trusses, spaced a max 24 in. OC, fabricated from nom 2 by 4 in. lumber with lumber oriented vertically or horizontally. Min truss depth is 12 in. Truss members secured together with min No. 20 MSG galv steel truss plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split-tooth-type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx 7/8 in. centers with four rows of teeth per in, of plate width.

3. Furring Channels — Furring channels, 7/8 in. deep by 2-11/16 in. wide at the base and 1-7/16 in. wide at the face, formed from No. 25 ga galv steel, spaced 24 in. OC perpendicular to trusses. Channels secured to trusses with double strand of No. 18 SWC galv steel wire spaced 48 in. OC. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWC galv steel wire near each end of overlap. Two furring channels used at end joints of gypsum board (Item 4), each extending a min of 6 in, beyond both side edges of

3A. Resilient Channels — (Not Shown) - As an alternate to Item 3, resilient channel formed from No. 26 MSC galv steel, spaced 16 in. OC perpendicular to trusses. Channels secured to each truss with 1-1/4 in. ong No. 6 Type S bugle head steel screw. Channels overlapped at splices 4 in. Two resilient channels used at end joints of gypsum board (Item 4), each extending a min of 6 in, beyond both side edges of the

3B. Steel Framing Members* — (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC., and secured to the bottom chord of alternating trusses with No. 8 x 2-1/2 in, coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 3. As an alternate, ends of adjoining channels may be overlapped 6 in, and secured together with two min-7/16 in, long No. 6 self-tapping framing screws, at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4.

PAC INTERNATIONAL INC -Type RSIC-1. BC. Steel Framing Members* — (Optional, Not Shown) - Used as an alternate method to attach furring channels to trusses. Clips spaced 48 in. OC., and secured to the bottom chord to alternating trusses with two No. 8 x 2-1/2 in, coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. Ends of adjoining channels overlapped 6 in, and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 4. Two layers of gypsum board

required as described in Item 4. KINETICS NOISE CONTROL INC —Type Isomax. 4. **Cypsum Board*** — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to furring or resilient channels. Cypsum board secured with 1 in. long No. 6 Type S bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in, from side and end joints. End joints secured to both resilient channels as shown in the end joint detail. When Steel Framing Members (Item 3B) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimension perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long No. 6 Type S bugle head screws spaced 12 in. OC in the field of the board. Gypsum board butt joints shall be staggered 2 ft within the assembly, and shall occur between the main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in, on each end. The two furring channels at each butt joint shall be spaced approximately 3-1/2 in. OC, and be attached to the bottom chord of the truss with one RSIC-1 clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. When Steel Framing Members (Item 3C) are used, two lavers of nom 5/8 in. thick, 4 ft wide are installed with long dimensions perpen dicular to furring channels. Base layer attached to the furring channels using 1 in, long No. 6 Type S bugle-head steel screws spaced 12 in, OC in the field of the board. Butted end joints shall be staggered min 2 ft. within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum board shall be supported by a

4. Air Duct* — Any UL Class 0 or Class 1 flexible air duct installed in

5. Ceiling Damper* — Max nom area, 324 sq in. Max square size, 18 in.

facturers installation instructions provided with the damper. Max

POTTORFF -- Model CFD-521

100 sq ft of ceiling area.

C&S AIR PRODUCTS —Model RD-521-BT

POTTORFF -- Model CFD-521-BT .

accordance with the instructions provided by the damper manufacturer.

by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manu-

damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.

C&S AIR PRODUCTS —Model RD-521

Alternate Ceiling Damper* — Max nom area, 196 sq in. Max square

size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 24 in. Max overall damper height is 7 in. Installed in

accordance with the manufactur ers installation instructions provided

with the damper. Max damper openings not to exceed 196 sq in. per

6. Furring Channels - Resilient channels, nom. 1/2 in. deep by 2-3/8

in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020

in. thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted

in the concealed spaced, or a max of 12 in. OC when insulation (Item 3

channel/gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels

secured to each truss with 1-1/4 in. long Type S screws.

6A. Steel Framing Members — (Not Shown)* — As an alternate to Item

6, furring channels and Steel Framing Members as described below:
a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the con-

cealed space or 12 in. OC when insulation (Items 3 or 3A) is fit-

gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the

furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for stee

b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end

(Item a) to trusses (Item 2). Clips spaced 48 in. OC and secured to

alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw

through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in

Item a. As an alternate, ends of adjoining channels may be over-

lapped 6 in. and secured together with two self-tapping #6 fram-

required to hold furring channel that supports the gypsum board

ing screws, min. 7/16 in. long at the midpoint of the overlap,

with one screw on each flange of the channel. Additional clips

PAC INTERNA TIONAL INC - Type RSIC-1.

boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field

when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or

a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the

with long dimension perpendicular to furring channels and side joints

(Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field

over the furring channel/gypsum board ceiling membrane. Gypsum

when insulation (Item 3 or 3A) is fitted in the concealed space, draped

board butt joints shall be staggered min. 2 ft. within the assembly, and

occur between the main furring channels. At the gypsum board butt

joints, each end of the gypsum board shall be supported by a single

length of furring channel equal to the width of the wallboard plus 6

in, on each end. The furring channels shall be spaced approximately

3-1/2 in. OC, and be attached to the trusses with one RSIC-1 dip at

each end of the channel. Screw spacing along the butt joint to attach

the gypsum board to the furring channels shall be 8 in. OC. Second

(outer) layer of gypsum board required when furring channels (Item

6A, a) are spaced 24 in. OC and insulation is fitted in the concealed

space, draped over the furring channel/gypsum board ceiling mem-

brane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at

butted joints and 12 in. OC in the field. Butted end joints of outer layer

to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints

of base layer.

resilient channel/gypsum board ceiling membrane.
When Steel Framing Members* (Item 6A) are used, sheets installed

of sheet located beneath trusses. Gypsum board screws are driv

through channel spaced 12 in. OC in the field when no insulation

Gypsum Board* — One layer of nom 5/8 in. thick by 48 in. wide

butt joints, as described in Item 7.

o. Steel Framing Members — Used to attach furring channels

raming members. Channels secured to joists as described in Item

ted in the concealed space, draped over the furring channel/

single length of furring channel equal to the width of the gypsum board plus 6 in, on each end. The two furring channels shall be spaced approximately 4 in. OC, and be attached to underside of the truss with one Isomax clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Outer layer attached to the furring channels using 1-5/8 in. long No. 6 Type S bugle-head steel screws spaced 12 in. OC in the field. The end of the outer layer boards at the butt joint shall be attached to the base layer boards with 1-5/8 in, long Type G screws spaced 8 in, OC and 1-1/2 in, from the end joint. Butted end joints to be offset a min of 8 in. from base layer end joints. Butted side joints of outer layer to be offset min 18 in. from butted side joints of base layer.

AMERICAN GYPSUM CO —Type AG-C BPB AMERICA INC—Types FRPC, ProRoc Type C BPB CANADA INC—ProRoc Type C CANADIAN GYPSUM COMPÁNY —Types C, IP-X2, IPC-AR G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP —Type 5

LAFARGE NORTH AMERICA INC —Types LGFC-C, LGFC-NATIONAL GYPSUM CO - Types FSK-C, FSW-C, FSW-G PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC —Type C STANDARD GYPSUM L L C -Type SC-C

TEMPLE-INLAND FOREST PRODUCTS CORP —Type T, TC-C UNITED STATES GYPSUM CO —Types C, TP-X2, TPC-AR USG MEXICO S A DE C V — Types C, TP-X2, IPC-AR Finishing System — (Not Shown) - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board. *Bearing the UL Classification Mark

THE PRESTON PARTNERSHIP, LLC A MULTI-DISCIPLINARY DESIGN FIRM

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RESERVE AT THE BALLPARK, PHASE II. AKA REVEL AT THE **BALLPARK** 2885 CRESCENT PKWY SMYRNA, GA 30080



ATLANTIC REALTY

SUITE 1425

tate the ceiling installation. c. Wall angles or channels — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard - Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 In. thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.

CGC INTERIORS, DIV OF CGC INC — Type DGL or RX. USG INTERIORS INC — Type DGL or RX. 10. Gypsum Board* — For use with Steel Framing Members (Item 9 when Batts and Blankets* (Item 6) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or chan-nel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7.For use with Steel Framing Members* (Item 9) when Batts and Blankets* (Item 6) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide: installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spac-

CANADIAN GYPSUM COMP ANY —Types C, IP-X2, IPC-AR.

compound, applied in two coats to joints and screw-heads; paper tape,

2 in. wide, embedded in first layer of compound over all joints. As an

Main runners — Installed perpendicular to Structural Steel
 Members — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide

face, spaced 4 ft OC. Main runners hung a min of 2 in. from bot-

tom chord of Structural Steel Members with 12 SWG galv steel

b. Cross tees or channels — No m 4 ft long, 15/16 in. or 1-1/2 in.

installed perpendicular to the main runners, spaced 16 in. OC.

Additional cross tees or channels used at 8 in. from each side of

butted gypsum board end joints. The cross tees or channels may

be riveted or screw-attached to the wall angle or channel to facili-

wide face or cross channels, nom 4 ft long, 1-1/2 wide face,

alternate, nom 3/32 in. thick veneer plaster may be applied to the

entire surface of gypsum board. Alternate Ceiling Membrane — Not Shown.

wire. Wires located a max of 48 in. OC.

9. Steel Framing Members —

UNITED STATES GYPSUM CO —Types C, IP-X2, IPC-AR.
USG MEXIC O S A DE CV —Types C, IP-X2, IPC-AR.

8. Finishing System — (Not Shown) — Vinyl, dry or premixed joint

ing between joints on adjacent boards not less than 4 ft OC. CANADIAN GYPSUM COMP ANY — Type C or IP-X2. UNITED STATES GYPSUM CO — Type C or IP-X2. USG MEXIC OSA DECV — Type Cor IP-X2. *Bearing the UL Classification Mark

| ATLANTIC | REALTY | PARTNERS

PARTNERS

3438 PEACHTREE ROAD ATLANTA, GA 30326

ISSUES & #_- REVISIONS __ PERMIT SET 3 BUILDING PERMIT

05/22/2017

UL ASSEMBLIES

BUILDING PERMIT RE-SUBMISSION © 2017 The Preston Partnership, LL0

SHEET TITLE

2 UL #L501 NOT TO SCALE

Subflooring - Min 15/32 in, thick wood structural panels, min grade ?C-D? or ?Sheathing?. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Vapor Barrie r — (Optional) — Nom 0.030 in thick commercial asphalt Finish Flooring - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000

psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate

mixed 40:1 by volume with water and expanded at 100 psi through

nozzle. Mixtur e shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal CELLULAR CONCRETE LLC —Floor Topping Mixtur e System No. 6 Subflooring — Min 15/32 in, thick wood structural panels, min grade

?C-D ? or ?Sheathing ?. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Vapor Barrie r - (Optional) — Nom 0.030 in thick commercial asphal Finish Floorin g - Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixtur e shall consist of 1.4 cu feet of preformed foam concen-

trate to 94 lbs Type I Portland cement, 62.5 lbs of Pea Gravel, 312.5 lbs

of sand with 5-1/2 gal of water. LITE-CRETE INC —Type I Subflooring - Min 15/32 in. thick wood structural panels, min grade ?C-D ? or ?Sheathing ?. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Finish Floorin g - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi and a cast density of 105 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixtur e shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand, 5 oz Type N fiber, 4 oz Component Z with 5.4 gal of water.

ELASTIZELL CORP OF AMERICA —Type ZO Subflooring — Min 15/32 in. thick wood structural panels, min grade ?C-D ? or ?Sheathing?. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Finish Floorin g - Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 osi. Mixtur e shall consist of 5 to 8 gal of water to 80 lbs of floor top-

ping mixture to 2.1 cu ft of sand. ULTRA QUIET FLOORS -- UQF-A, UQF-Super Blend, UQF-Plus Subflooring — Min 15/32 in. 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 Barrie r - (Optional) - Nom 0.030 in thick commercial asphalt Floor Mat Materials * - (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be

applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mixture is 1 in. MAXXON CORP —Type Acousti-Mat II Metal Lath — For use with floor mat material, 3/8 in. expanded gal-

vanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat Finish Floorin g - Floor Topping Mixture* - Min 3/4 or 1 in. thickness of floor topping mixture for min 19/32 or min 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Mixtur e shall consist of 3 to 7 gal of water to 80 lbs of floor topping mixture to 1.0 to 2.1 cu ft of sand.

MAXXON CORP —Type D-C, GC, GC2000, L-R, T-F, CT Subflooring — Min 15/32 in. thick wood structural panels, min grade ?C-D? or ?Sheathing?. Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Vapor Barrie r - (Optional) - Nom 0.030 in thick commercial asphalt Floor Mat Materials * - (Optional) - Norn 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be

applied to the surface of the mat prior to the floor topping placement

When floor mat material is used, min thickness of floor topping mix-

ture is 1 in.

MAXXON CORP -Type Acousti-Mat II 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 Finish Flooring - Floor Topping Mixture* - Min 3/4 or 1 in. thickness of floor topping mixture for min 19/32 or min 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1200 psi. Mixtur e shall consist of 4 to 7 gal of water to 80 lbs of floor topping mixture to 1.4 to 1.9 cu ft of sand.

RAPID FLOOR SYSTEMS —Type RF, RFP, RFU, RFR, Ortecrete System No. 11
Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 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 the joists with joints staggered. Finish Floor - Mineral and Fiber Board* - Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints. HOMASOTE CO -Type 440-32 Mineral and Fiber Board System No. 12

Subflooring — Min 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 the joists with joints staggered. Vapor Barrie r - (Optional) - Nom 0.030 in, thick commercial asphalt Floor Mat Materials * - (Optional) - Min 3/8 in. to max 3/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture .

UNITED STATES GYPSUM CO —Levelr ock Brand Sound

Reduction Board Alternate Floor Mat Materials * - (Optional) - Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture . UNITED STATES GYPSUM CO —Levelr ock Brand Floor Under layment SRM-25 Alternate Floor Mat Materials * - (Optional) - - Nom 3/8 in. thick

floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture SOLUTIA INC — Type SC50
Finish Flooring - Floor Topping Mixture* — — Min 1/2 or 3/4 in thickness of floor topping mixture for min 19/32 or min 15/32 in. thick wood structural panels respectively, having a min compressive strength of 2100 psi. Refer to manufactur er's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO —Levelr ock 3500, Levelr ock

Commer cial RH Subflooring - Min 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 the joists with joints staggered. Vapor Barrie r - (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt. Floor Mat Materials * - (Optional) - Min 3/8 in. to max 3/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness

shall be as specified under Floor Topping Mixture . UNITED STATES GYPSUM CO —Levelr ock Brand Sound Alternate Floor Mat Materials * - (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture .

UNITED STATES GYPSUM CO —Levelr ock Brand Floor Under layment SRM-25 Alternate Floor Mat Materials * - (Optional) — Nom 3/8 in. thick

floor mat material loose laid over the subfloor. Floor topping thickness shall be as specified under Floor Topping Mixture . Finish Floorin g - Floor Topping Mixture* — Min 1/2 or 3/4 in. thickness of floor topping mixture for min 19/32 or min 15/32 in. thick wood structural panels respectively, having a min compressive strength of 3000 psi. Refer to manufactur er's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO —Levelr ock 4500

System No. 14 Subflooring — Min 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 the joists with joints staggered. Vapor Barrie r - (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Floorin g - Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixtur e for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufactur er's instructions accompanying the material for specific mix design. ALLIED CUSTOM GYPSUM
PLASTER WORKS L L C —Accu-Cr ete

2. Wood Joists - Min 2 by 10, spaced 16 in. OC and effectively fireblocked in accordance with local codes. 3. Cross Bridging — Min 1 by 3 in. or min 2 by 10 solid blockina. . Horizontal Bridging — Used in lieu of Item 3 in same joist bay as ceiling damper (Item 4), when ceiling damper is employed. Wood 2 by 4 in. secured between joists with nails.

 Ceiling Damper * - (Optional) — Max nom area shall be 198 sq in.
 Max rectangular size shall be 12 in. wide by 16-1/2 in. long. Max height of damper shall be 8-3/4 in. Aggregate damper openings sha not exceed 198 sq in. per 100 sq ft of ceiling area. Damper installed accordance with the manufactur ers installation instructions provided with the damper. A steel grille (Item 7) shall be installed in accordance with installation instructions.

NCA MFG INC —Models CD-S/R-HC, CD-RD-HC

NCA MFG LT D —Models CD-S/R-HC, CD-RD-HC

RUSKIN CO —Model CFD7 5. Gypsum Board* — Nom 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long, 6d cement coated nails spaced 6 in. OC AMERICAN GYPSUM CO —Types AGX-1, AG-C BEIJING NEW BUILDING MATERIALS CO LT D — Type DBX-1 BPB AMERICA INC -Types EGRG, FRPC, SF3, ProRoc Type C BPB CANADA INC -Types ProRoc Type C, ProRoc Type X, Pro-Roc Type Abuse-Resistant CANADIAN GYPSUM COMP ANY —Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX G-P GYPSUM CORP, SUB OF GEORGIA-P ACIFIC CORP —Types 5, 9, C, GPFS1, GPFS6, DA. LAF ARGE NOR TH AMERICA INC —Types LGFC3, LGFC6, LGFC6A, LGFC-C, LGFC-C/A

NATIONAL GYPSUM CO —Types FSK, FSK-C, FSK-G, FSW FSW -2. FSW -C. FSW -G PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC —Types C PG-3, PG-4, PG-5, PG-6, PG-9, PG-C SIAM GYPSUM INDUSTR Y (SARABURI) CO LT D — Type STANDARD GYPSUM LLC —Types SGC, SG-C or SGC-G TEMPLE-INLAND FOREST PRODUCTS CORP —Types T,

VPB-T ype T, FRX-6, VPBX-6, FRWRX-6, TG-C, FRX-6 Exterior Gypsum Soffit Board
UNITED STATES GYPSUM CO —Types C, IP-X1, IP-X2, IPC AR, SCX, SHX, WRX USG MEXIC OSA DECV -Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX 6. Finishing Syste m - (Not shown) - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. No m 2 in. wide paper tape embedded in first layer of compound over all joints. As an

alternate, nom 3/32 in. thick veneer plaster may be applied to the

entire surface of gypsum board.

7. Grille — Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.

8. Steel Corner Fasteners — (Optional-not shown) - Used to attach ends of gypsum board at wall intersection where joists run parallel to wall. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galvanized steel. Fasteners nailed to face of wall bearing plate through fastener tab with one No. 6d cement coated nail, spaced teners covered with gypsum board facing applied to intersecting wall

Design No. P522 Unrestrained Assembly Ratin g — 1 Hr Finish Ratin g — 25 Min (See Items 3 or 3A) <u>anda</u> |-3"-|-3"-|

Alternate Insulation Placement

 Roofing System* — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade ?C-D? or ?Sheathing?. Non 15/32 In. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either

the nails or staples.

2. Trusses — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with min. 0.0356 in, thick galv steel plates. Plates have 5/16 in, long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in, with a min roof slope of 3/12 and a min, area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. If the batts and blankets (Item 3) are used as shown in the above Illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheath-

3. Batts and Blankets* — (Optional) — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. The finished rating has only been

determined when the insulation is secured to the decking. 3A. Loose Fill Material* — As an alternate to Item 3 — Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min density of 0.5 pcf, applied within the concealed space, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. The finished rating when loose

fill material is used has not been determined. U.S. GREENFIBER L.L.C. —Cocoon stabilized cellulose insula-

NOT TO SCALE