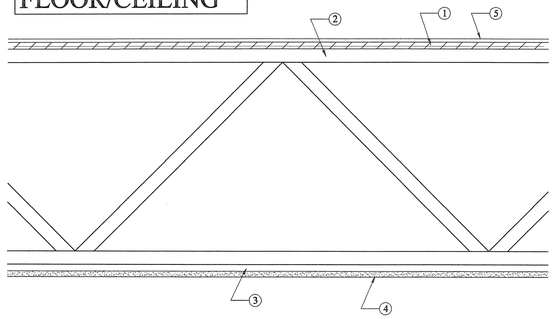
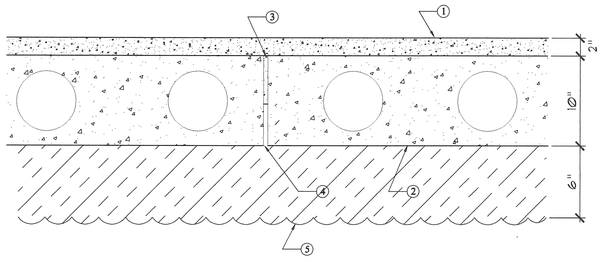
FLOOR/CEILING



F1 1 HOUR FLOOR/CEILING ASSEMBLY

F1 1 HOUR FLOOR/CEILING ASSEMBLY
FIRE TEST U.L. L528

1. Flooring - Subflooring: ¾" Advantek w/exterior glue, Finish Flooring: ⅜" plywood. Strength axis of panel to be perpendicular to trusses with joints staggered 4 ft. Secured to trusses w/ construction adhesive and No 6d ringed shank nails. Adhesive applied as 3/8 in. diam bead to top chord of trusses and grooved edges of plywood or panels. Nails spaces 12 in. OC along each truss.
2. Trusses - Parallel chord trusses spaced max 24" OC fabricated from nom 2x4 in lumbe either vertically or horizontally. Truss members secured together w/ No 20 M6G galv steel truss plates w/ 5/16 in. long teeth projecting perpendicular to the plate.
3. Resilient Channels - Formed of No. 26 M6G steel spaced 16" OC 3. perpendicular to trusses. Channels secured to trusses w/ Type S 1 1/4" long steel screws spaced 24" OC. Channels overlapped at splices 4".
4. Wallboard, Gypsum- 5/8" thick, 4 ft wide sheets of wallboard installed with long dimension perpendicular to resilient channels w/ 1" long wallboard screws spaced 12" OC and located a min 1 1/2" from side and end joints. At end joints, two resilient channels are used which extend a min 6" beyond both ends of the joint.
5. Finish Flooring- 3/8" plywood

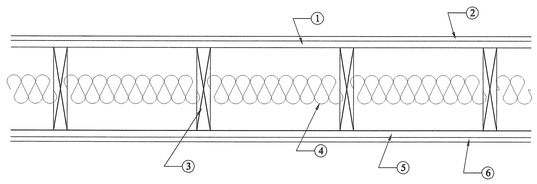


F2 2 HOUR FLOOR/CEILING ASSEMBLY

F2 2 HOUR FLOOR/CEILING ASSEMBLY
FIRE TEST U.L. J903

1. Concrete Topping - 3000 psi compressive strength, 150 +/- 3 pcf unit weight. Topping Thickness - 2".
2. Precast Concrete Units (Bearing the UL Classifiction Mark) - Carbonate aggregate, cross-section similar to the above illustration. Minimum Bearing - 1 ½".
3. Grout - Sand cement grout, 3500 psi. Grout stop used to keep grout from bottom 3-1/8 in. of joint. Weld tie plates instead of or in conjunction with grout.
4. Clearance - Between slabs at bottom full length of joint, 1/16 in. min, 1/4 in. max. (1-1/2 in.
5. 6" thick (R-24) mechanically reinforced spray on insulation by Monoglass Inc. Color selected by Architect.

F2 2 HOUR FLOOR/CEILING ASSEMBLY

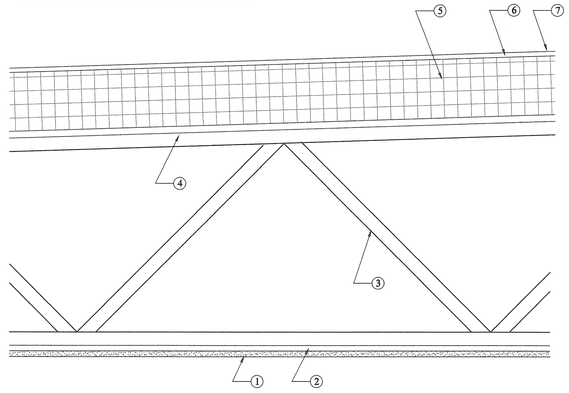


F2 1 HOUR FLOOR/CEILING ASSEMBLY

F3 1 HOUR FLOOR/CEILING ASSEMBLY
FIRE TEST GA FILE NO. FC 5120

1. Sub Flooring - 3/4" Advantek w/ exterior glue.
2. Finish Flooring - 3/8" plywood.
3. Joists - 2x10 wood joists at 16" OC
4. Insulation - 1.5 PSF 3 1/2" glass fiber insulation batts, friction fit in joist cavities
5. Resilient Channels - Channels applied 24" OC at right angles to joists w/ 6d coated nails, 1 7/8" long, 0.085" shank, 1/4" heads, two per joist.
6. Wallboard - One layer 1/2" type X gypsum wallboard applied at right angles to resilient channels w/ 1" Type S drywall screws 8" OC at ends and 12" OC at intermediate furring channels. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channel 64" long w/ screws 8" OC.

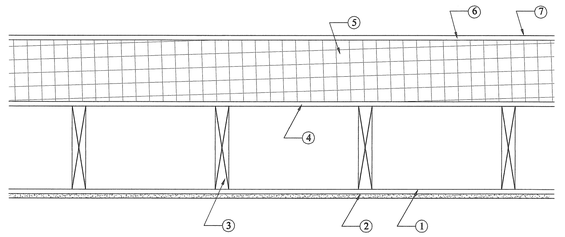
ROOF/CEILING



R1 1 HOUR ROOF/CEILING ASSEMBLY

R1 1 HOUR ROOF/CEILING ASSEMBLY
FIRE TEST GA FILE NO. RC 2601

1. Wallboard - Base Layer 5/8" Type X gypsum wallboard applied at right angles to trusses at 24" OC with 1 1/4" Type W or S drywall screws 24" OC .
2. Wallboard - Face Layer 5/8" Type X gypsum wallboard applied at right angles to trusses with 1 7/8" Type S drywall screws 12" OC at joints and intermediate joists and 1 1/2" Type G drywall screws 12" OC placed 2" back on either side of end joints. Joints offset 24" from base layer joints.
3. Trusses - Parallel chord trusses spaced max 24" OC.
4. Sheathing - ⅝" Advantek with exterior glue applied at right angles to trusses with 8d nails.
5. Insulation - 6" polyisocyanurate applied in (3) 2" layers (R38).
6. ½" thick high density fiber board.
7. Membrane - 0.060 fully adhered class B epdm membrane.



R2 1 HOUR ROOF/CEILING ASSEMBLY

R2 1 HOUR ROOF/CEILING ASSEMBLY
FIRE TEST GA FILE NO. RC 2601

1. Wallboard - Base Layer 5/8" Type X gypsum wallboard applied at right angles to joists at 24" OC with 1 1/4" Type W or S drywall screws 24" OC .
2. Wallboard - Face Layer 5/8" Type X gypsum wallboard applied at right angles to joists with 1 7/8" Type S drywall screws 12" OC at joints and intermediate joists and 1 1/2" Type G drywall screws 12" OC placed 2" back on either side of end joints. Joints offset 24" from base layer joints.
3. Framing - 2X10 wood joists spaced max 24" OC.
4. Sheathing - ⅝" Advantek with exterior glue applied at right angles to joists with 8d nails.
5. Insulation - 6" polyisocyanurate applied in 1" layers (R-42).
6. ½" thick high density fiber board.
7. Membrane - 0.060 fully adhered class B epdm membrane.

R2 1 HOUR ROOF/CEILING ASSEMBLY

REGISTERED ARCHITECT
DAVID LLOYD
No. 938
STATE OF MAINE

Owner:
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P.O. BOX 560
PORTLAND, MAINE 04112

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ARCHITECTS
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
VALLEY STREET APARTMENTS
GILMAN STREET
PORTLAND, MAINE 04102

Scale: 1 1/2" = 1'-0"

Date: NOV 21 2005

Drawing:
FLOOR/CEILING TYPES,
ROOF/CEILING TYPES

A.6b