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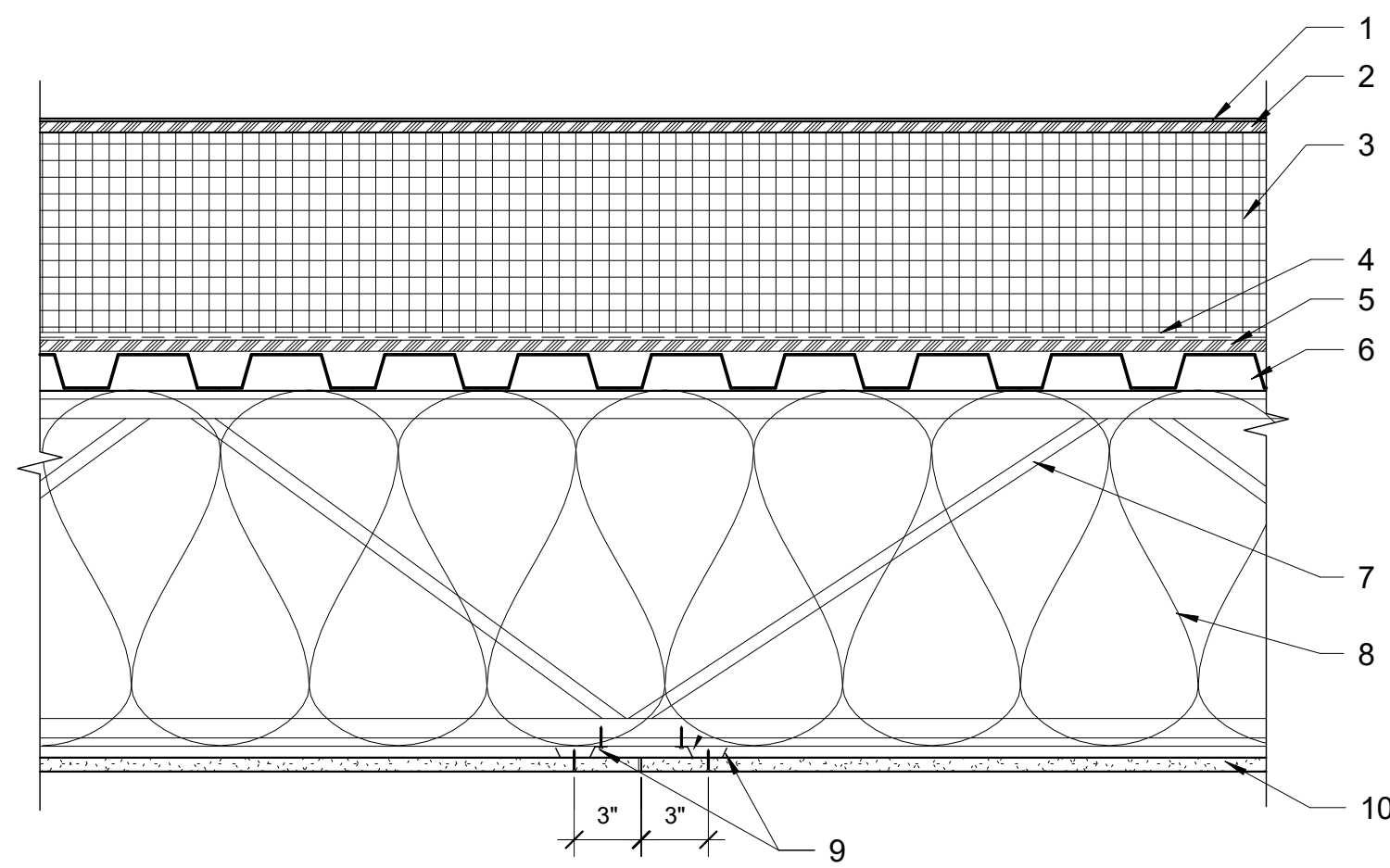
Architect:
**ARCHETYPE
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Project:
**THAMES STREET
 CONDOMINIUM**
 20 Thames Street, Portland Maine

Revisions:

Date: **JULY 21, 2017**
 Scale: **1 1/2" = 1'-0"**
**FLOOR, CEILING, ROOF
 TYPES**

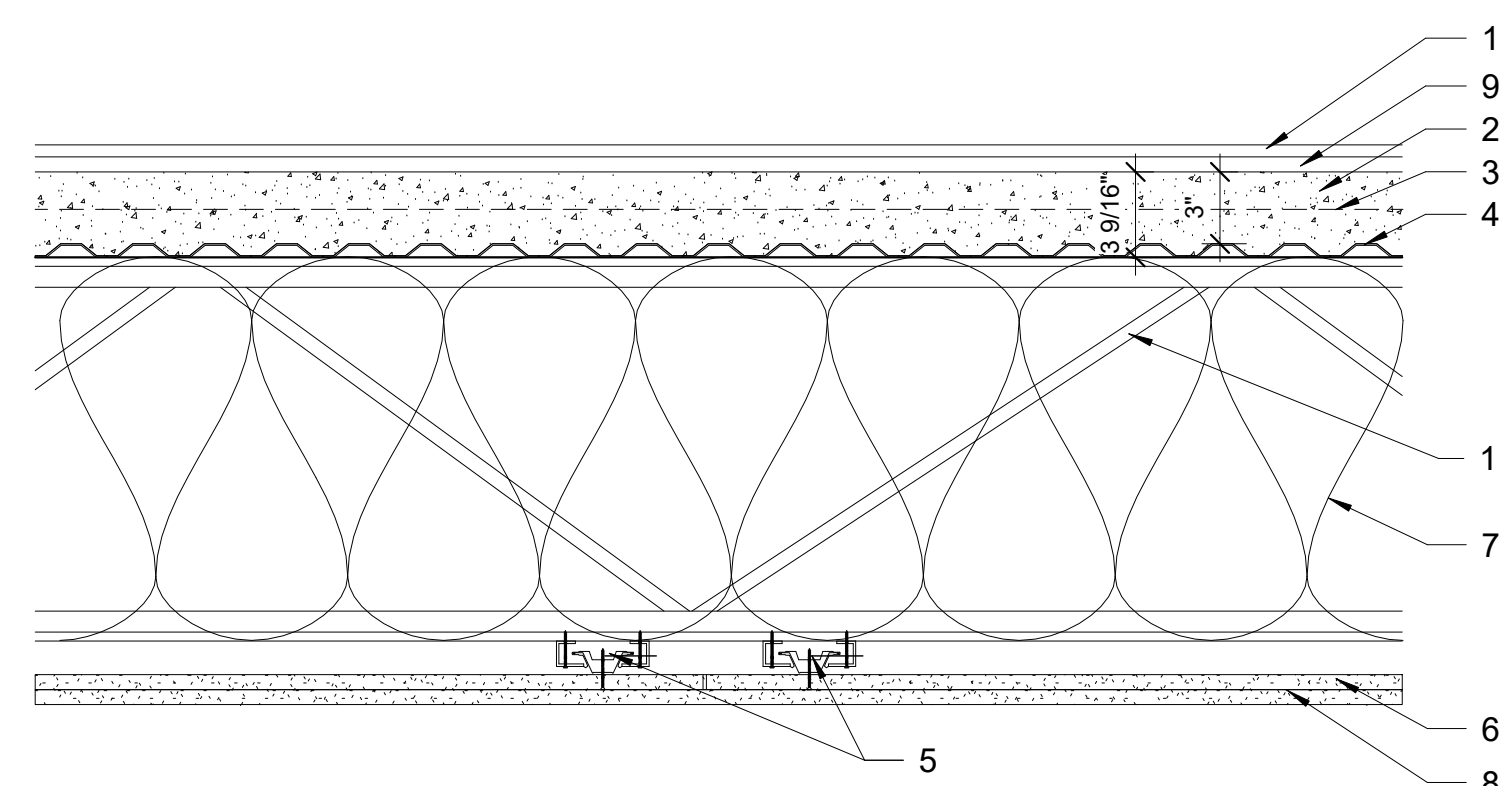
A4.10



1-HOUR RATED ROOF ASSEMBLY
 DESIGN NUMBER: UL P 267

1. **60 MIL EPDM** — FULLY ADHERED MEMBRANE SYSTEM
2. **5/8" DENS DECK COVERBOARD** - FULLY ADHERED TO INSULATION SYSTEM
3. **EXTERIOR INSULATION** - 20 PSI POLYISOCYANURATE RIGID INSULATION MIN 4" THICK FULLY ADHERED TO VAPOR BARRIER - CONTRACTOR TO NOTE THAT SOME PARTS OF THIS SYSTEM ARE SLOPED AND OTHER PARTS HAVE SLOPED STRUCTURE.
4. **SELF ADHERED PROPRIETARY VAPOR BARRIER** - FULLY ADHERE TO DENS DECK SEAL ALL PENETRATIONS AND TERMINATIONS. NOTE - AVB AT WALL SYSTEM AND ROOF VAPOR BARRIER ARE TERMINATED TOGETHER. IT IS THE RESPONSIBILITY OF ALL TO VERIFY ALL TERMINATIONS ARE MADE.
5. **5/8" DENS DECK COVERBOARD** - MECHANICALLY FASTEN TO DECK
6. **GALV. METAL ROOF DECK** - 1/2" - 20 GA (SEE STRUCTURAL)
7. **JOIST** - (SEE STRUCTURAL FOR ACTUAL SIZE)
8. **SOUND ATTENUATING FIBERGLASS BATT INSULATION** - INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. FILL THE CAVITY WITH THE INSULATION BUT DO NOT COMPRESS.
9. **KINETICS ISO-MAX HANGERS OR EQUAL**
10. **GYPSON BOARD** - NOM 5/8 IN. THICK, 48" WIDE GYPSON PANELS. GYPSON PANELS INSTALLED WITH LONG DIMENSION PERPENDICULAR TO RESILIENT CHANNELS. GYPSON PANELS SECURED WITH 1 IN. LONG TYPE S BUGLE HEAD STEEL SCREWS SPACED 12 IN. OC AND LOCATED A MIN OF 1/2 IN. FROM SIDE JOINTS AND 3 IN. FROM THE END JOINTS. END JOINTS SECURED TO BOTH RESILIENT CHANNELS AS SHOWN IN END JOINT DETAIL.

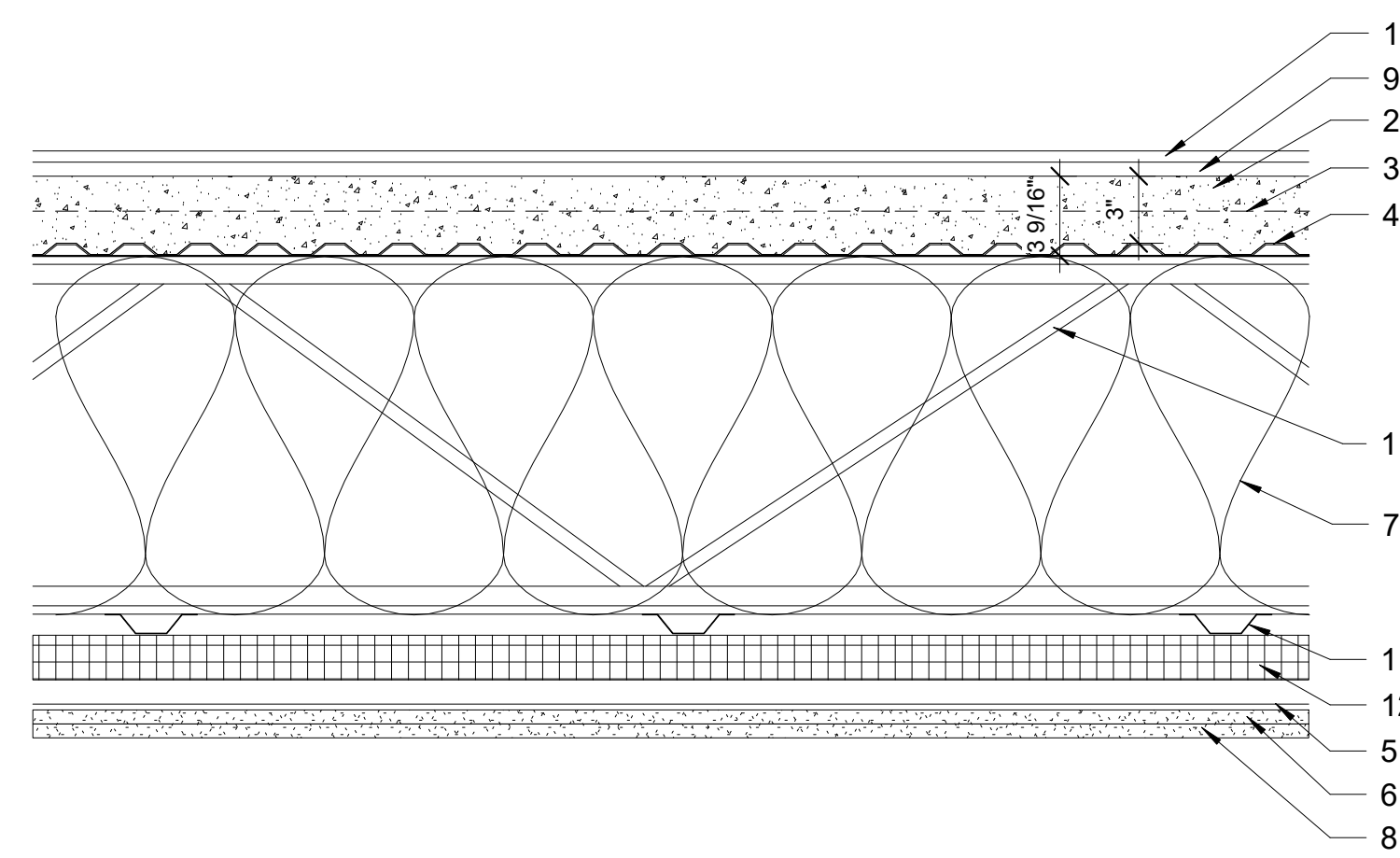
R1 | ROOF TYPE R1 - 1-HR ROOF ASSEMBLY
 1 1/2" = 1'-0"



1-HOUR RATED FLOOR / CEILING ASSEMBLY - RETAIL TO LIVING UNIT
 DESIGN NUMBER: UL P 267
 STC

1. **JOIST** — (SEE STRUCTURAL FOR ACTUAL SIZE)
2. **NORMAL-WEIGHT CONCRETE** — 3500 PSI COMPRESSIVE STRENGTH, VIBRATED. -- (SEE STRUCTURAL FOR ACTUAL SIZE)
3. **WELDED WIRE FABRIC** — (SEE STRUCTURAL FOR ACTUAL SIZE)
4. **GALV. METAL DECK** — 9/16" - 20 GA TYPE UFS (SEE STRUCTURAL)
5. **KINETICS ISO-MAX HANGERS OR EQUAL**
6. **GYPSON BOARD** -- Nom 5/8 in. thick, 48 in. wide gypsum panels. Gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. End joints secured to both resilient channels as shown in end joint detail.
7. **SOUND ATTENUATING FIBERGLASS BATT INSULATION** -- Glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. Fill the cavity with the insulation, but do not compress
8. **SECOND LAYER OF 5/8" WITH STAGGERED JOINTS** (ADDED)
9. **RESILIENT UNDERLAYMENT, SOUND MAT BY KINETICS NOISE CONTROL** (SEE www.kineticsnoise.com) COMPRESSED GLASS FIBER MAT 5/8" THICK. (ADDED)
10. **FINISHED FLOOR & UNDERLAYMENT AS SPECIFIED**

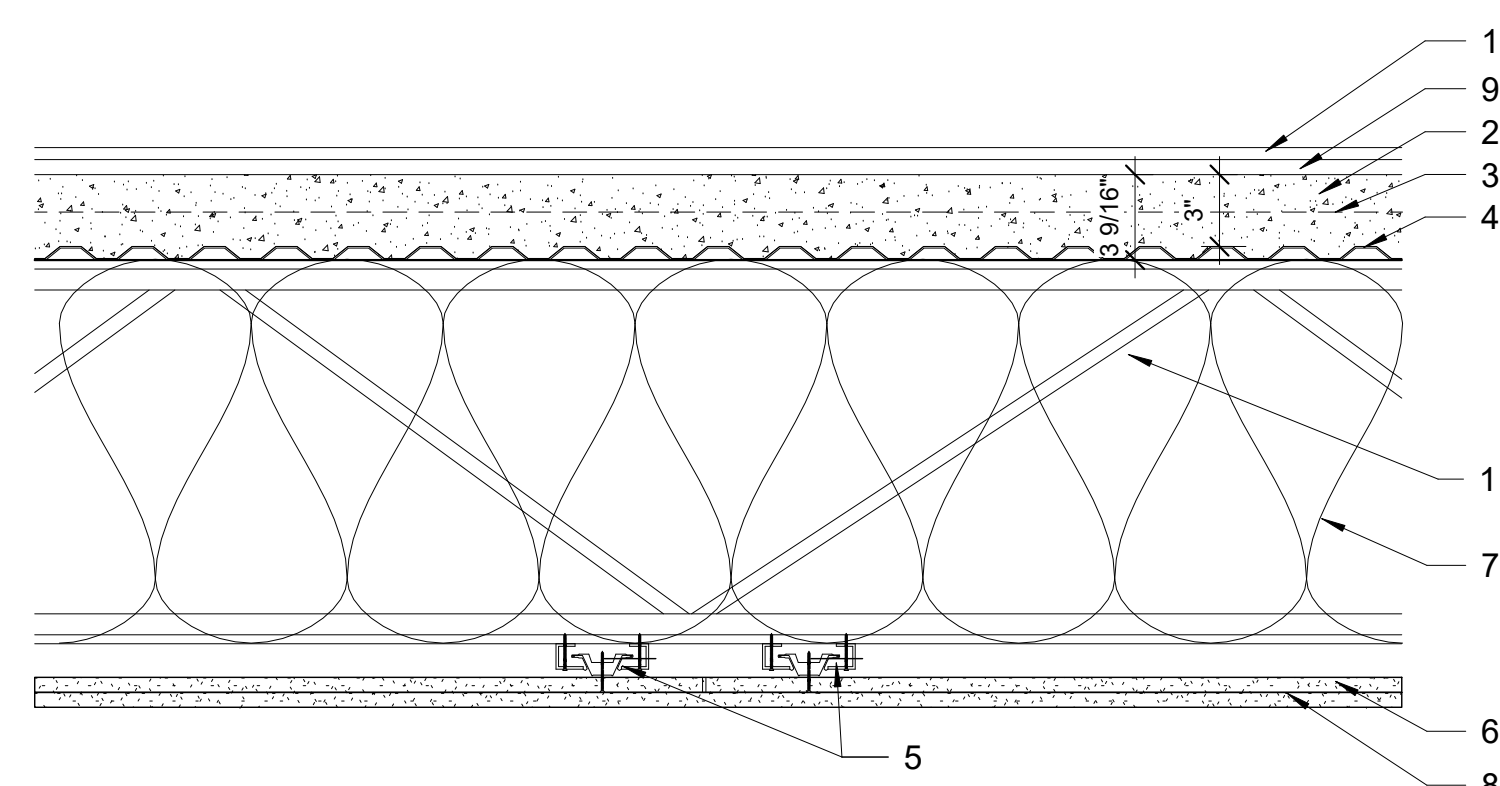
F4 | FLOOR TYPE F4 - 1-HR UNIT TO UNIT
 1 1/2" = 1'-0"



3-HOUR RATED FLOOR / CEILING ASSEMBLY - RETAIL TO LIVING UNIT
 DESIGN NUMBER: GA FILE NO. FC 3012 (ASSEMBLY PROVIDES 3-HOUR RATING)
 STC

1. **JOIST** — (SEE STRUCTURAL FOR ACTUAL SIZE)
2. **NORMAL-WEIGHT CONCRETE** — 3500 PSI COMPRESSIVE STRENGTH, VIBRATED. -- (SEE STRUCTURAL FOR ACTUAL SIZE)
3. **WELDED WIRE FABRIC** — (SEE STRUCTURAL FOR ACTUAL SIZE)
4. **GALV. METAL DECK** — 9/16" - 20 GA TYPE UFS (SEE STRUCTURAL)
5. **KINETICS ISO-MAX HANGERS OR EQUAL** attached through rigid insulation to hat channels
6. **EXTERIOR GYPSON BOARD** -- Nom 5/8 in. thick, 48 in. wide gypsum panels. Gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. End joints secured to both resilient channels as shown in end joint detail.
7. **SOUND ATTENUATING FIBERGLASS BATT INSULATION** -- Glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. Fill the cavity with the insulation, but do not compress
8. **SECOND LAYER OF 5/8" WITH STAGGERED JOINTS** (ADDED)
9. **RESILIENT UNDERLAYMENT, SOUND MAT BY KINETICS NOISE CONTROL** (SEE www.kineticsnoise.com) COMPRESSED GLASS FIBER MAT 5/8" THICK. (ADDED)
10. **FINISHED FLOOR & UNDERLAYMENT AS SPECIFIED**
11. **7/8" HAT CHANNEL**
12. **EXTERIOR INSULATION** - 2 INCH POLYISOCYANURATE RIGID INSULATION, WITH A MIN. R-VALUE OF 5 PER INCH.

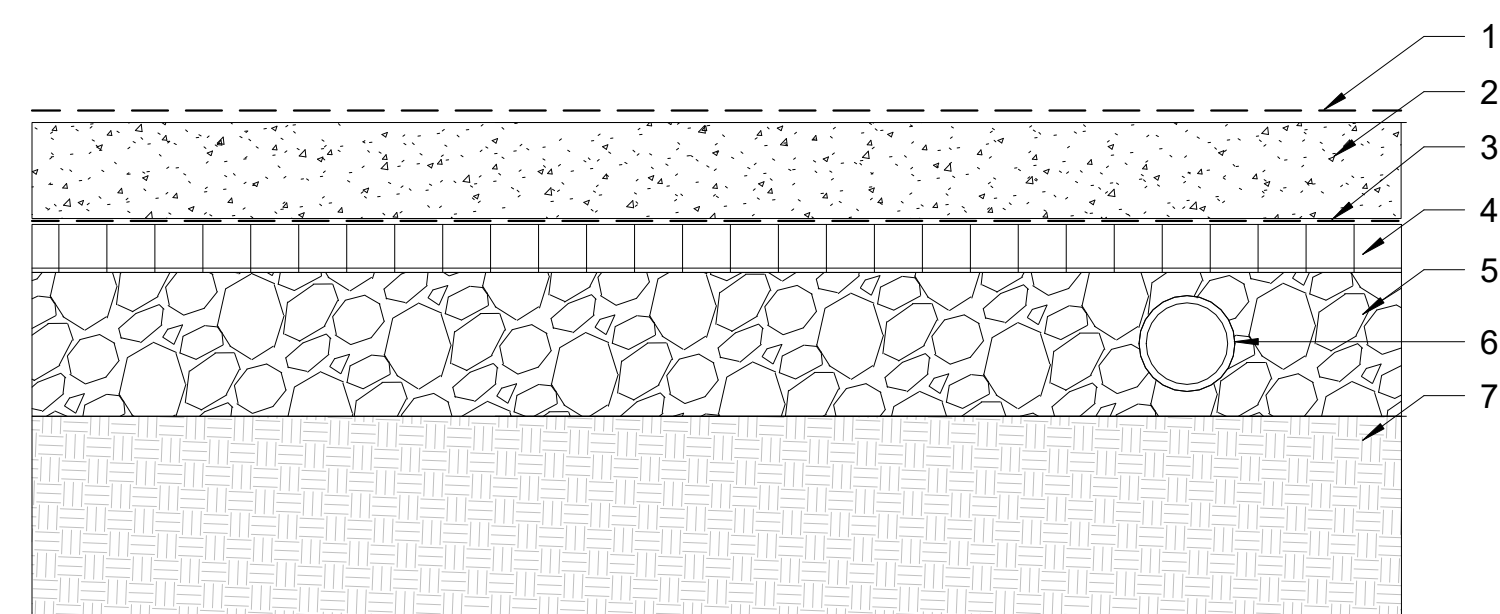
F3 | FLOOR TYPE F3 - 3-HR GARAGE TO UNIT
 1 1/2" = 1'-0"



3-HOUR RATED FLOOR / CEILING ASSEMBLY - RETAIL TO LIVING UNIT
 DESIGN NUMBER: GA FILE NO. FC 3012 (ASSEMBLY PROVIDES 3-HOUR RATING)
 STC

1. **JOIST** — (SEE STRUCTURAL FOR ACTUAL SIZE)
2. **NORMAL-WEIGHT CONCRETE** — 3500 PSI COMPRESSIVE STRENGTH, VIBRATED. -- (SEE STRUCTURAL FOR ACTUAL SIZE)
3. **WELDED WIRE FABRIC** — (SEE STRUCTURAL FOR ACTUAL SIZE)
4. **GALV. METAL DECK** — 9/16" - 20 GA TYPE UFS (SEE STRUCTURAL)
5. **Kinetics Iso-Max Hangers or Equal**
6. **Gypsum Board** -- Nom 5/8 in. thick, 48 in. wide gypsum panels. Gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. End joints secured to both resilient channels as shown in end joint detail.
7. **SOUND ATTENUATING FIBERGLASS BATT INSULATION** -- Glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. Fill the cavity with the insulation, but do not compress
8. **SECOND LAYER OF 5/8" WITH STAGGERED JOINTS** (ADDED)
9. **RESILIENT UNDERLAYMENT, SOUND MAT BY KINETICS NOISE CONTROL** (SEE www.kineticsnoise.com) COMPRESSED GLASS FIBER MAT 5/8" THICK. (ADDED)
10. **FINISHED FLOOR & UNDERLAYMENT AS SPECIFIED**

F2 | FLOOR TYPE F2 - 3-HR RETAIL TO UNIT
 1 1/2" = 1'-0"



FLOOR SYSTEM - SLAB ON GRADE

1. **FINISH FLOOR** - NOT SHOWN. SEE FINISH SCHEDULE.
2. **CONCRETE SLAB** - SEE STRUCTURAL FOR STRENGTH, THICKNESS AND REINFORCEMENT SPECIFICATIONS
3. **VAPOR BARRIER** - POLYETHYLENE VAPOR BARRIER SHEET WITH SEAMS OVERLAPPED AND TAPED MIN OF 10 MIL. INSPECTION BY ARCHITECT - SEE SPECIFICATIONS
4. **RIGID INSULATION** - 2" 30 PSI EXTRUDED POLYSTYRENE - R-10 - CONTINUOUS UNDER ENTIRE SLAB
5. **6" COARSE AGGREGATE**
6. **4" PERFORATED PVC RADON PIPE** - SEE CIVIL & PLUMBING PLANS FOR ADDITIONAL INFORMATION
7. **COMPACTED STRUCTURAL-FILL** COMPACTED TO 95% OF DRY DENSITY - SEE STRUCTURALS FOR DEPTH AND GRADATION

F1 | FLOOR TYPE F1 - SLAB ON GRADE
 1 1/2" = 1'-0"