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Project:

185 Fore Street

185 Fore Street, Portland Maine

Revisions:

1 05-22-2014 BID SET

Date:

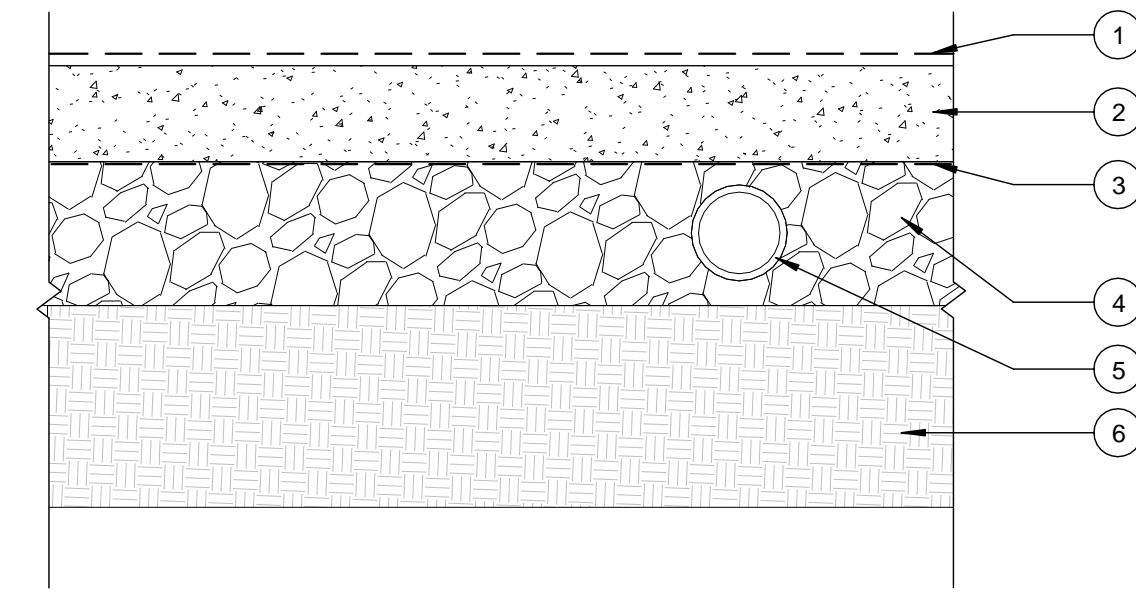
12 JUNE, 2015

Scale:

1 1/2" = 1'-0"

FLOOR TYPES

A4.05



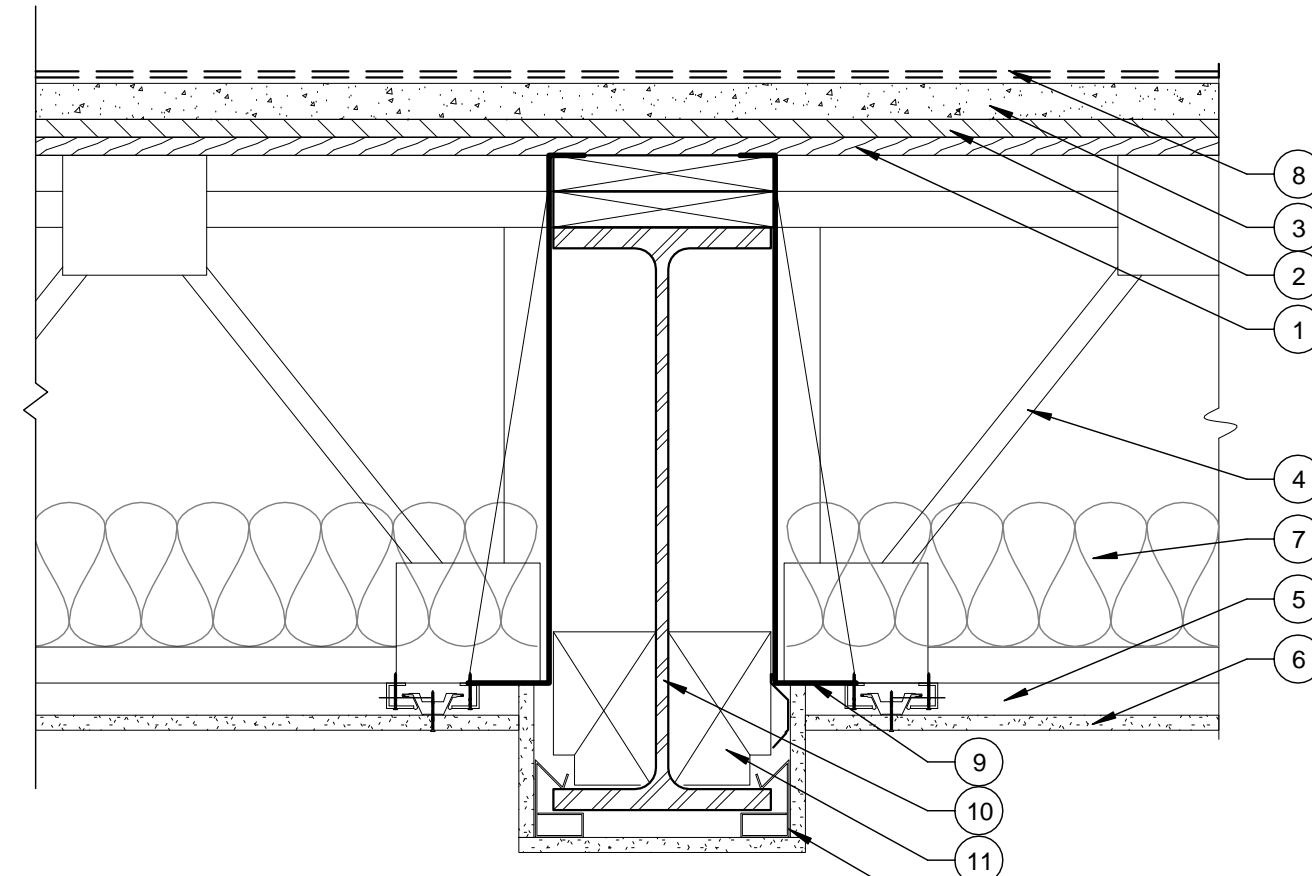
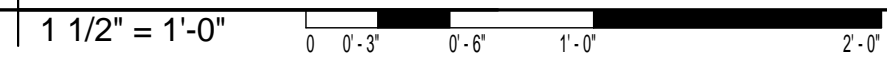
FLOOR SYSTEM - SLAB ON GRADE

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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 - SEE SPECIFICATIONS
4. **6" COARSE AGGREGATE**
5. **ADD ALT - 4" PERFORATED PVC RADON PIPE** - SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION
6. **COMPACTED STRUCTURAL-FILL COMPACTED TO 95% OF DRY DENSITY** - SEE STRUCTURALS FOR DEPTH AND GRADATION

PROVIDE CONTINUOUS 4'-0" SECTION OF 2 IN RIGID INSULATION ALONG PERIMETER OF HEATED SPACES

F3 SLAB ON GRADE



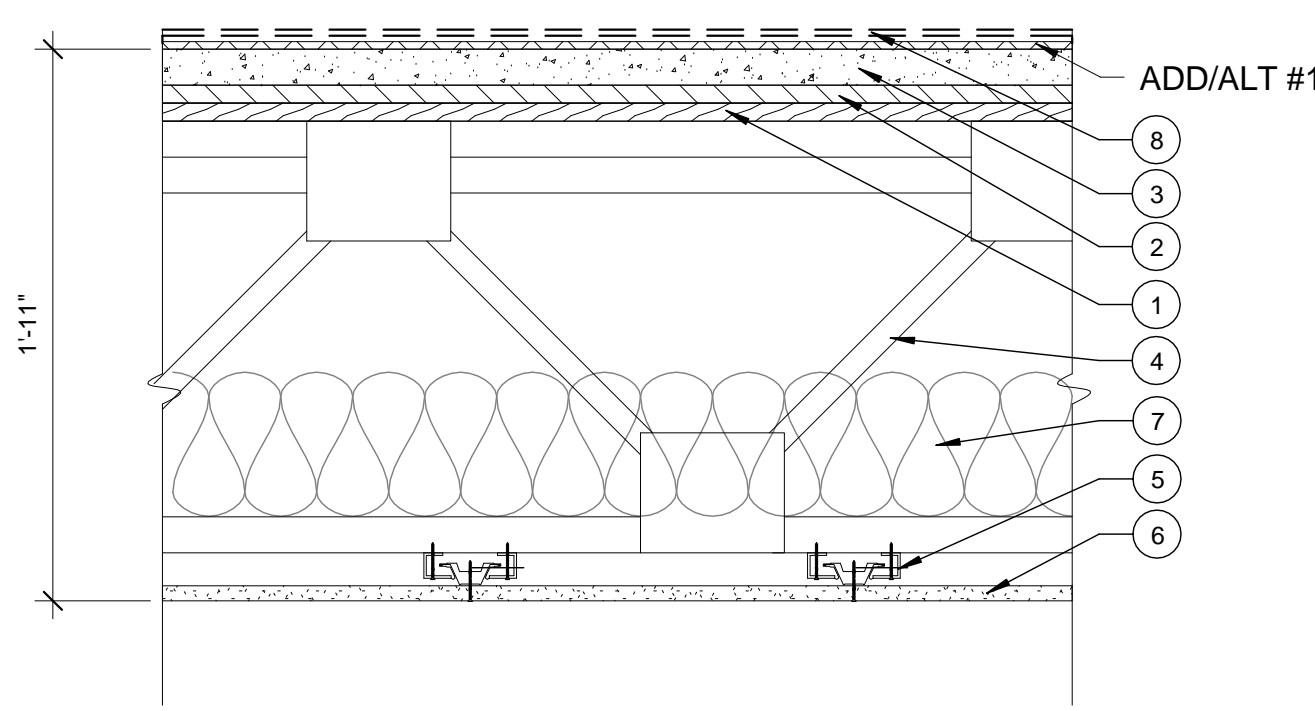
F2 FLOOR/CEILING ASSEMBLY

FLOOR / CEILING ASSEMBLY

DESIGN NUMBER: L577
 STC - 41 (SOUND TEST RAL-0704-07 & 08, THE ASSEMBLY SHOWN HAS 2 ADDITIONAL LAYERS OF DRYWALL AND 2 1/2" ADDITIONAL INSULATION THAN THE LABELED TEST, THEREBY ONLY IMPROVING THE STC)

1. **SUBFLOORING** - NOM. 23/32 IN. THICK WOOD STRUCTURAL PANELS INSTALLED PERPENDICULAR TO TRUSSES WITH END JOINTS STAGGERED. PLYWOOD OR PANELS SECURED TO TRUSSES WITH CONSTRUCTION ADHESIVE 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.
2. **MAXXON ACOUSTI-MATS**
3. **GYPCRETE TOPPING** - 1 1/2 IN. THICK
4. **TRUSSES** - PARALLEL CHORD TRUSSES, SPACED A MAX OF 24 IN. OC, FABRICATED FROM NOM 2 BY 4 LUMBER, WITH LUMBER ORIENTED VERTICALLY OR HORIZONTALLY. MIN. TRUSS DEPTH IS 18IN. 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 APPROX. 7/8 IN. CENTERS IN FOUR ROWS OF TEETH PER INCH OF PLATE WIDTH.
5. **KINETICS ISO-MAX HANGERS OR EQUAL** - 16" OC
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** - 6" GLASS FIBER MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. WHEN THE RESILIENT CHANNELS ARE SPACED A MAX OF 12 IN. OC THERE IS NO LIMIT IN THE OVERALL THICKNESS OF INSULATION, AND THE INSULATION CAN BE SECURED AGAINST THE SUBFLOORING, HELD SUSPENDED IN THE CONCEALED SPACE OR DREAPEL OVER THE RESILIENT OR FURRING CHANNELS AND GYPSUM PANEL MEMBRANE.
8. **FINISHED FLOOR & UNDERLAYMENT AS SPECIFIED**
9. **TOP MOUNT HANGER** - SEE STRUCTURAL DRAWINGS
10. **STEEL BEAM** - SEE STRUCTURAL DRAWINGS. SPRAY FIREPROOF BEAM
11. **CONTINUOUS BLOCKING** ATTACHED TO BEAM WITH PAF @ 16" O.C.
12. **GRABBER-MAN** WHERE STEEL DROPS BELOW CEILING

F2 FLOOR / CEILING ASSEMBLY - FIRST FLOOR TO UNIT



F1 FLOOR/CEILING ASSEMBLY

FLOOR / CEILING ASSEMBLY

DESIGN NUMBER: STC

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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.
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8. **FINISHED FLOOR & UNDERLAYMENT AS SPECIFIED**

ADD/ALT #1 - KINETICS SOUND MATT

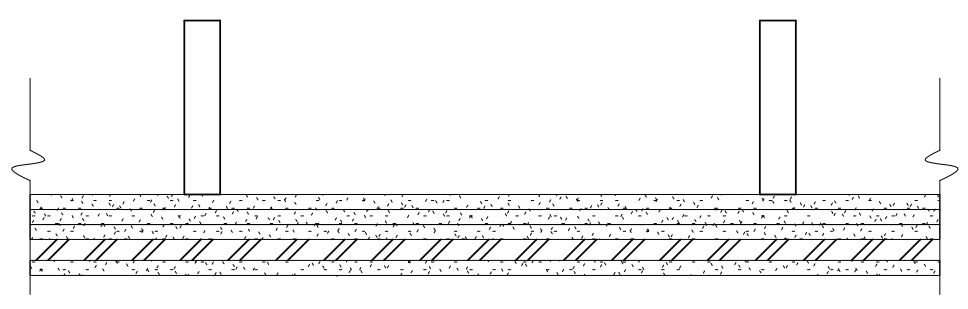
F1 FLOOR / CEILING ASSEMBLY - UNIT TO UNIT



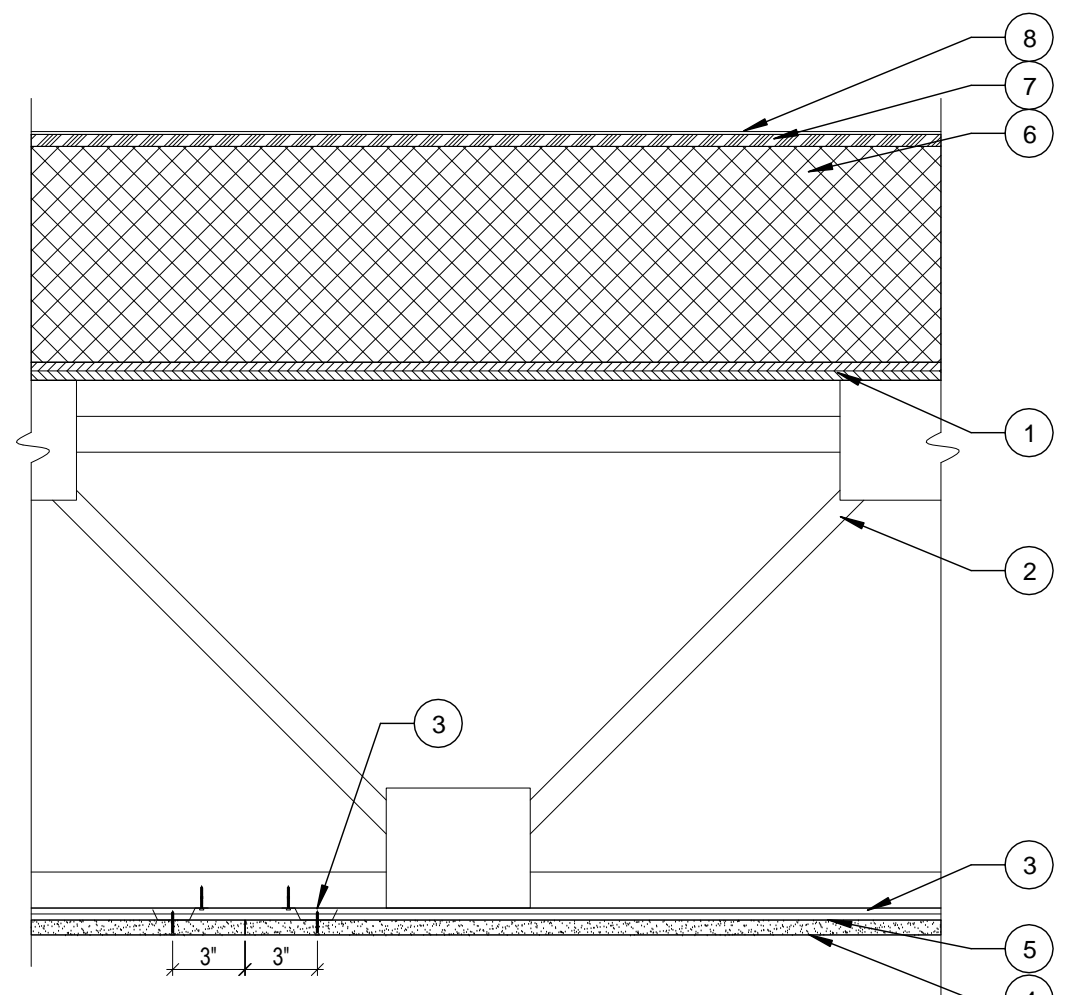
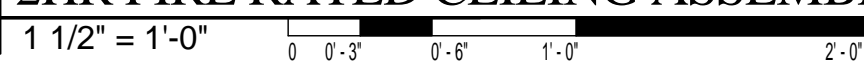
2HR RATED CEILING ASSEMBLY

DESIGN NUMBER: UL DESIGN L566 / UL DESIGN M514

THE CEILING MEMBRANE CONSISTS OF FOUR LAYERS OF 5/8" TYPE X GYPSUM BOARD APPLIED TO CEILING FRAMING SPACED 24" O.C. WITH 7/8" HAT-SHAPED STEEL FURRING CHANNEL LOCATED BETWEEN THE THIRD AND FACE LAYERS. THE BASE LAYER OF GYPSUM BOARD IS APPLIED AT RIGHT ANGLES TO THE CEILING FRAMING AND ATTACHED WITH 1-1/4" TYPE S OR W DRYWALL SCREWS SPACED 12" O.C. THE SECOND LAYER OF GYPSUM BOARD IS APPLIED AT RIGHT ANGLES TO THE CEILING FRAMING AND ATTACHED WITH 2" TYPE S OR W DRYWALL SCREWS SPACED 12" O.C. THIRD LAYER OF GYPSUM BOARD IS APPLIED AT RIGHT ANGLES TO CEILING FRAMING AND ATTACHED WITH 2-1/2" TYPE S OR W DRYWALL SCREWS SPACED 12" O.C. THE JOINTS IN EACH LAYER ARE OFFSET A MINIMUM OF 10" FROM THE PREVIOUS LAYER. THE STEEL HAT-SHAPED RIGID FURRING CHANNELS ARE APPLIED AT RIGHT ANGLES TO THE CEILING FRAMING AND SPACED 24" O.C. THE CHANNELS ARE ATTACHED TO THE CEILING FRAMING AT EACH FRAMING MEMBER/FURRING CHANNEL INTERSECTION WITH TWO 2-1/2" TYPE S OR W DRYWALL SCREWS. THE FACE LAYER OF GYPSUM BOARD IS APPLIED AT RIGHT ANGLES TO THE FURRING CHANNELS AND ATTACHED WITH 1-1/8" TYPE S DRYWALL SCREWS SPACED 12" O.C. FACE LAYER JOINTS AND FASTENERS ARE FINISHED TO LEVEL 1 AS SPECIFIED IN GA-214, LEVELS OF GYPSUM BOARD FINISH



C1 2HR FIRE RATED CEILING ASSEMBLY



R1 1 HOUR ROOF ASSEMBLY

ROOF SYSTEM - 1 HOUR

DESIGN NUMBER: STC

1. **SHEATHING** - 19/32" APA RATED SHEATHING WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO TRUSSES WITH 8D NAILS.
2. **TRUSSES** - PARALLEL CHORD TRUSSES, SPACED A MAX OF 24 IN. OC, FABRICATED FROM NOM 2 BY 4 LUMBER, WITH LUMBER ORIENTED VERTICALLY OR HORIZONTALLY. MIN TRUSS DEPTH IS 12 IN. 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 APPROX. 7/8 IN CENTERS WITH FOUR ROWS OF TEETH PER INCH OF PLATE WIDTH.
3. **RESILIENT CHANNELS** - FORMED FROM MIN 0.020 IN THICK GALV STEEL, 1/2 IN DEEP BY 2 3/8" WIDE AT THE BASE AND 1 3/8" WIDE AT THE FACE AS SHOWN, SPACED 12 IN OC PERPENDICULAR TO STRUSSES. CHANNELS SECURED TO EACH TRUSS WITH 1-1/4 IN LONG TYPE S BUGLE HEAD STEEL SCREWS. CHANNELS OVERLAPPED 4 IN AT SPLICES. TWO CHANNELS, SPACED 6 IN OC, ORIENTED OPPOSITE EACH OTHER AT GYPSUM PANEL END JOINTS AS SHOWN IN THE ILLUSTRATION. ADDITIONAL CHANNELS SHALL EXTEND MIN 6 IN. BEYOND EACH SIDE EDGE OF PANEL.
4. **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.
5. **CONTINUOUS POLY VAPOR BARRIER** (10 MIL)
6. **TAPERED RIGID INSULATION** - SEE ROOF PLAN FOR THICKNESSES AND LAYOUT
7. **OSB - 7/16"**
8. **FULLY ADHERED PVC ROOFING** - SEE SPECIFICATION

R1 ROOF ASSEMBLY

