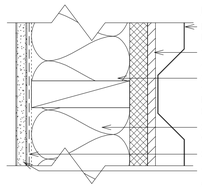
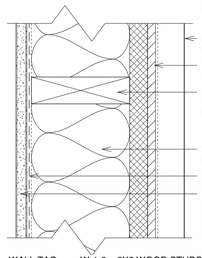


EXTERIOR
EXTERIOR METAL PANELS (HORZ.)*
1-LAYER 1-1/2" R-6 INSULATED ZIP R-SHEATHING*
6) 2X6 WOOD STUDS
10) 2X10 WOOD STUDS
RE: PLAN & STRUCT.
(2X BLOCKING SHOWN)
CAVITY FILLED MINERAL WOOL BATT INSULATION*
CLASS II VAPOR RETARDER
1-LAYER 5/8" GYP. BD.

SECTION

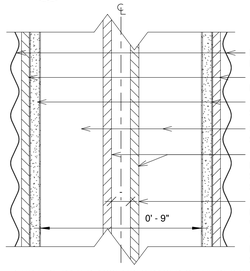
PLAN



EXTERIOR METAL PANELS (HORZ.)*
1-LAYER 1-1/2" R-6 INSULATED ZIP R-SHEATHING*
6) 2X6 WOOD STUDS
10) 2X10 WOOD STUDS
RE: PLAN & STRUCT.
CAVITY FILLED MINERAL WOOL BATT INSULATION*
CLASS II VAPOR RETARDER
1-LAYER 5/8" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-1-6 = 2X6 WOOD STUDS
W-2-10 = 2X10 WOOD STUDS

1 A504a — W-1 - EXT. WALL (HORZ. PANELS)
3" = 1'-0"

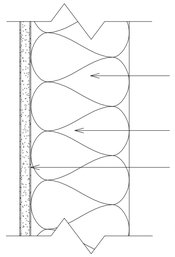


EXTERIOR METAL PANELS (VERT.)* ON EACH SIDE
1-LAYER 7/16" ZIP SHEATHING* ON EACH SIDE
1-LAYER 5/8" TYPE "X" GYP. BD. ON EACH SIDE PER REFERENCED ASSEMBLIES
2-ROWS 2X4 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLIES
1-LAYER 15/32" CATEGORY LP FLAMEBLOCK FIRE-RATED OSB SHEATHING* ON THE INSIDE FACE EACH SIDE PER REFERENCED ASSEMBLIES
1" SPACING BETWEEN 2-LAYERS LP FLAMEBLOCK (2" SPACING BETWEEN WOOD STUDS)
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS
0' - 9"

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. U350 CONFIGURATION B (1-HR. RATED ASSEMBLY REQ'D. 2-HR RATED ASSEMBLY SHOWN)

WALL TAG: W-6

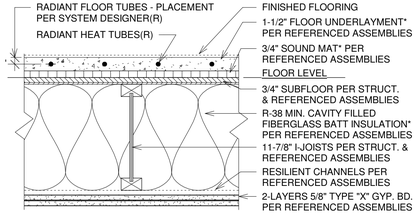
6 A504a — W-6 - UNIT SEPARATION WALL (EXTERIOR)
3" = 1'-0"



6) 2X6 WOOD STUDS
4) 2X4 WOOD STUDS
2) 2X FLAT STUD
RE: PLAN & STRUCT.
CAVITY FILLED FIBERGLASS BATT INSULATION*
1-LAYER 5/8" GYP. BD. EACH SIDE
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-12-6 = 2X6 WOOD STUDS
W-12-4 = 2X4 WOOD STUDS
W-12-2 = 2X FLAT STUD

12 A504a — W-12 - INT UNIT FURRED OUT (INSUL)
3" = 1'-0"



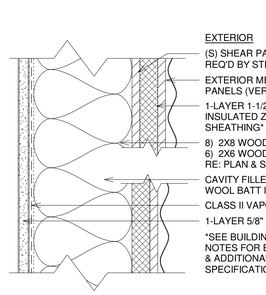
RADIANT FLOOR TUBES - PLACEMENT PER SYSTEM DESIGNER(R)
RADIANT HEAT TUBES(R)
FINISHED FLOORING
1-1/2" FLOOR UNDERLAYMENT* PER REFERENCED ASSEMBLIES
3/4" SOUND MAT* PER REFERENCED ASSEMBLIES
FLOOR LEVEL
3/4" SUBFLOOR PER STRUCT. & REFERENCED ASSEMBLIES
R-38 MIN. CAVITY FILLED FIBERGLASS BATT INSULATION* PER REFERENCED ASSEMBLIES
11-7/8" I-JOISTS PER STRUCT. & REFERENCED ASSEMBLIES
RESILIENT CHANNELS PER REFERENCED ASSEMBLIES
2-LAYERS 5/8" TYPE "X" GYP. BD. PER REFERENCED ASSEMBLIES

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. L570 SYSTEM #2
62 STC / 58 IIC PER SOUND TEST ASSEMBLIES RAL-TL-81-87 / RAL-0T03-05/06

FLOOR TAG: F-3
F-3R = RADIANT HEAT W/IN ASSEMBLY

(R) = RADIANT HEAT SYSTEM WITHIN FLOOR ASSEMBLY IN UNIT 1 ONLY - RE: BLDG. LAYOUT PLAN.

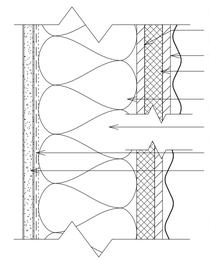
17 A504a — F-3 - RATED FLR/CLG ASSEMBLY (OCC. SEP.)
1 1/2" = 1'-0"



EXTERIOR
(S) SHEAR PANEL AS REQ'D BY STRUCT.*
EXTERIOR METAL PANELS (VERT.)*
1-LAYER 1-1/2" R-6 INSULATED ZIP R-SHEATHING*
8) 2X8 WOOD STUDS
6) 2X6 WOOD STUDS
RE: PLAN & STRUCT.
CAVITY FILLED MINERAL WOOL BATT INSULATION*
CLASS II VAPOR RETARDER
1-LAYER 5/8" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-2-8 = 2X8 WOOD STUDS
W-2-6 = 2X6 WOOD STUDS
W-2-#S = SHEAR PANELED WALL - RE: STRUCT.

2 A504a — W-2 - EXT. WALL (VERT. PANELS)
3" = 1'-0"

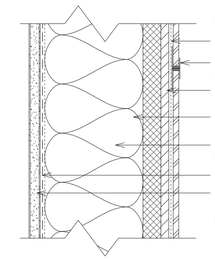


EXTERIOR
(S) SHEAR PANEL AS REQ'D BY STRUCT.*
EXTERIOR METAL PANELS (VERT.)*
1-LAYER 1-1/2" R-6 INSULATED ZIP R-SHEATHING*
2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLY
CAVITY FILLED MINERAL WOOL BATT INSULATION*
CLASS II VAPOR RETARDER
1-LAYER 5/8" TYPE "X" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. V302

WALL TAG: W-3
W-3S = SHEAR PANELED WALL - RE: STRUCT.

3 A504a — W-3 - RATED EXT. WALL (VERT. PANELS)
3" = 1'-0"

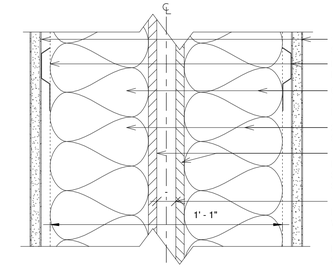


EXTERIOR
PANEL ADHESIVE & FOAM TAPE *
METAL PANELS W/ SEMI-FLUSH SEAMS (H-MOLDING EXTRUSION)*
1-LAYER 1-1/2" R-6 INSULATED ZIP R-SHEATHING*
2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLY
CAVITY FILLED MINERAL WOOL BATT INSULATION*
CLASS II VAPOR RETARDER
1-LAYER 5/8" TYPE "X" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. V302

WALL TAG: W-4

4 A504a — W-4 - RATED EXT. WALL (SEMI-FLUSH FLAT PANELS)
3" = 1'-0"

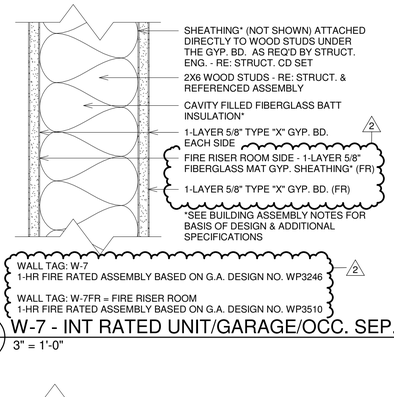


1-LAYER 5/8" TYPE "X" GYP. BD. ON EACH SIDE PER REFERENCED ASSEMBLIES
RESILIENT CHANNELS ON EACH SIDE PER REFERENCED ASSEMBLIES
CAVITY FILLED FIBERGLASS BATT INSULATION ON EACH SIDE PER REFERENCED ASSEMBLIES
2-ROWS 2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLIES
1-LAYER 15/32" CATEGORY LP FLAMEBLOCK FIRE-RATED OSB SHEATHING* ON THE INSIDE FACE EACH SIDE PER REFERENCED ASSEMBLIES
1" SPACING BETWEEN 2-LAYERS LP FLAMEBLOCK (2" SPACING BETWEEN WOOD STUDS)
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

1-HR FIRE RATED ASSEMBLY BASED ON UL DESIGN NO. U350 CONFIGURATION B (1-HR. RATED ASSEMBLY REQ'D. 2-HR RATED ASSEMBLY SHOWN)
61 STC BASED ON RIVERBANK ACOUSTICAL LABORATORIES RAL-TL10-412

WALL TAG: W-5

5 A504a — W-5 - UNIT SEPARATION WALL
3" = 1'-0"

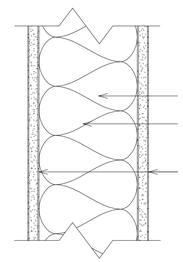


SHEATHING* (NOT SHOWN) ATTACHED DIRECTLY TO WOOD STUDS UNDER THE GYP. BD. AS REQ'D BY STRUCT. ENG. - RE: STRUCT. CD SET
2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLY
CAVITY FILLED FIBERGLASS BATT INSULATION*
1-LAYER 5/8" TYPE "X" GYP. BD. EACH SIDE
FIRE RISER ROOM SIDE - 1-LAYER 5/8" FIBERGLASS MAT GYP. SHEATHING* (FR)
1-LAYER 5/8" TYPE "X" GYP. BD. (FR)
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-7
1-HR FIRE RATED ASSEMBLY BASED ON G.A. DESIGN NO. WP3246

WALL TAG: W-7FR = FIRE RISER ROOM
1-HR FIRE RATED ASSEMBLY BASED ON G.A. DESIGN NO. WP3510

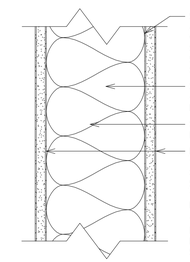
7 A504a — W-7 - INT RATED UNIT/GARAGE/OCC. SEP. WALL
3" = 1'-0"



2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLY
CAVITY FILLED FIBERGLASS BATT INSULATION*
1-LAYER 5/8" TYPE "X" GYP. BD. EACH SIDE
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-8

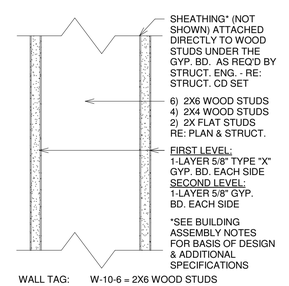
8 A504a — W-8 - INT UNIT / GARAGE WALL
3" = 1'-0"



SHEATHING* (NOT SHOWN) ATTACHED DIRECTLY TO WOOD STUDS UNDER THE GYP. BD. AS REQ'D BY STRUCT. ENG. - RE: STRUCT. CD SET
6) 2X6 WOOD STUDS
4) 2X4 WOOD STUDS
RE: PLAN & STRUCT.
CAVITY FILLED FIBERGLASS BATT INSULATION*
FIRST LEVEL:
1-LAYER 5/8" TYPE "X" GYP. BD. EACH SIDE
SECOND LEVEL:
1-LAYER 5/8" GYP. BD. EACH SIDE
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-9-6 = 2X6 WOOD STUDS
W-9-4 = 2X4 WOOD STUDS

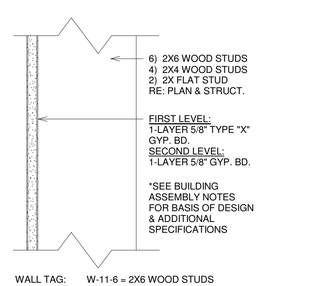
9 A504a — W-9 - INT UNIT WALL (INSUL)
3" = 1'-0"



SHEATHING* (NOT SHOWN) ATTACHED DIRECTLY TO WOOD STUDS UNDER THE GYP. BD. AS REQ'D BY STRUCT. ENG. - RE: STRUCT. CD SET
6) 2X6 WOOD STUDS
4) 2X4 WOOD STUDS
2) 2X FLAT STUDS
RE: PLAN & STRUCT.
FIRST LEVEL:
1-LAYER 5/8" TYPE "X" GYP. BD. EACH SIDE
SECOND LEVEL:
1-LAYER 5/8" GYP. BD. EACH SIDE
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-10-6 = 2X6 WOOD STUDS
W-10-4 = 2X4 WOOD STUDS
W-10-2 = 2X FLAT STUDS

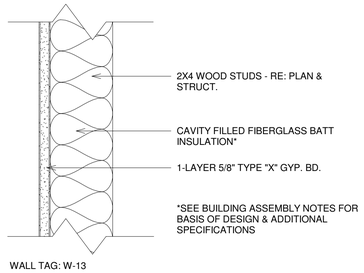
10 A504a — W-10 - INT UNIT WALL
3" = 1'-0"



6) 2X6 WOOD STUDS
4) 2X4 WOOD STUDS
2) 2X FLAT STUD
RE: PLAN & STRUCT.
FIRST LEVEL:
1-LAYER 5/8" TYPE "X" GYP. BD.
SECOND LEVEL:
1-LAYER 5/8" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-11-6 = 2X6 WOOD STUDS
W-11-4 = 2X4 WOOD STUDS
W-11-2 = 2X FLAT STUD

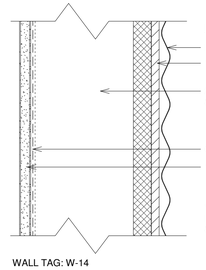
11 A504a — W-11 - INT UNIT FURRED OUT
3" = 1'-0"



2X4 WOOD STUDS - RE: PLAN & STRUCT.
CAVITY FILLED FIBERGLASS BATT INSULATION*
1-LAYER 5/8" TYPE "X" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-13

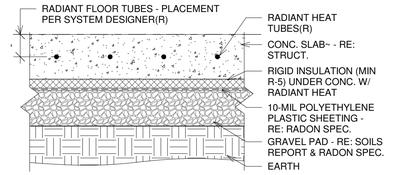
13 A504a — W-13 - INT UNIT/GARAGE FURRED OUT
3" = 1'-0"



EXTERIOR
EXTERIOR METAL PANELS (VERT.)*
1-LAYER 7/16" ZIP SHEATHING*
2X6 WOOD STUDS - RE: STRUCT. & REFERENCED ASSEMBLY
CLASS II VAPOR RETARDER
1-LAYER 5/8" GYP. BD.
*SEE BUILDING ASSEMBLY NOTES FOR BASIS OF DESIGN & ADDITIONAL SPECIFICATIONS

WALL TAG: W-14

14 A504a — W-14 - EXT. WALL (NR)(VERT. PANELS)
3" = 1'-0"



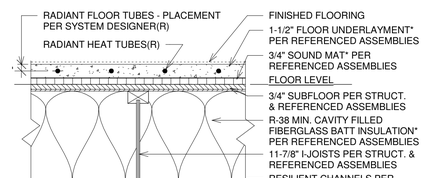
RADIANT FLOOR TUBES - PLACEMENT PER SYSTEM DESIGNER(R)
RADIANT HEAT TUBES(R)
CONC. SLAB~ - RE: STRUCT.
RIGID INSULATION (MIN R-5) UNDER CONC. W/ RADIANT HEAT
10-MIL POLYETHYLENE PLASTIC SHEETING - RE: RADON SPEC.
GRAVEL PAD - RE: SOILS REPORT & RADON SPEC.
EARTH

FLOOR TAG: F-1
F-1R = RADIANT HEAT W/IN ASSEMBLY

(R) = RADIANT HEAT SYSTEM WITHIN FLOOR ASSEMBLY - RE: BLDG. LAYOUT PLAN.

~ RE: STRUCT. FOR SLAB THICKNESS & REINFORCEMENT REQUIREMENTS

15 A504a — F-1 - SLAB DETAIL
1 1/2" = 1'-0"



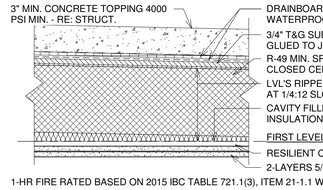
RADIANT FLOOR TUBES - PLACEMENT PER SYSTEM DESIGNER(R)
RADIANT HEAT TUBES(R)
FINISHED FLOORING
1-1/2" FLOOR UNDERLAYMENT* PER REFERENCED ASSEMBLIES
3/4" SOUND MAT* PER REFERENCED ASSEMBLIES
FLOOR LEVEL
3/4" SUBFLOOR PER STRUCT. & REFERENCED ASSEMBLIES
R-38 MIN. CAVITY FILLED FIBERGLASS BATT INSULATION* PER REFERENCED ASSEMBLIES
11-7/8" I-JOISTS PER STRUCT. & REFERENCED ASSEMBLIES
RESILIENT CHANNELS PER REFERENCED ASSEMBLIES
2-LAYERS 5/8" TYPE "X" GYP. BD. PER REFERENCED ASSEMBLIES

62 STC / 58 IIC PER SOUND TEST ASSEMBLIES RAL-TL-81-87 / RAL-0T03-05/06

FLOOR TAG: F-2
F-2R = RADIANT HEAT W/IN ASSEMBLY

(R) = RADIANT HEAT SYSTEM WITHIN FLOOR ASSEMBLY IN UNIT 1 ONLY - RE: BLDG. LAYOUT PLAN.

16 A504a — F-2 - FLOOR/CEILING ASSEMBLY
1 1/2" = 1'-0"



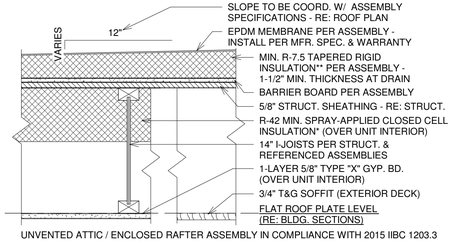
3" MIN. CONCRETE TOPPING 4000 PSI MIN. - RE: STRUCT.
DRAINBOARD OVER AMERICAN HYDROTECH WATERPROOFING MEMBRANE MM6125*
3/4" T&G SUBFLOOR SCREWED & GLUED TO JOISTS - RE: STRUCT.
R-49 MIN. SPRAY-APPLIED CLOSED CELL INSULATION*
LVL'S RIPPED DOWN TO A MIN. 7" AT 1/4:12 SLOPE - RE: STRUCT.
CAVITY FILLED FIBERGLASS BATT INSULATION*
FIRST LEVEL PLATE
RESILIENT CHANNELS
2-LAYERS 5/8" TYPE "X" GYP. BD.

1-HR FIRE RATED BASED ON 2015 IBC TABLE 721.1(3), ITEM 21-1.1 WITH 2-LAYER 5/8" TYPE "X" GYP. BD.

SEE THE WATERPROOF MEMBRANE NOTE WITHIN THE BUILDING ASSEMBLY NOTES & DETAIL 1 / A504c RELATED TO THE TESTING OF THE WATERPROOF MEMBRANE PRIOR TO THE INSTALLATION OF THE CONCRETE TOPPING.

FLOOR TAG: F-5

19 A504a — F-5 - RATED FLR/CLG ASSEMBLY (OCC. SEP.-EXT. DECK)
1 1/2" = 1'-0"



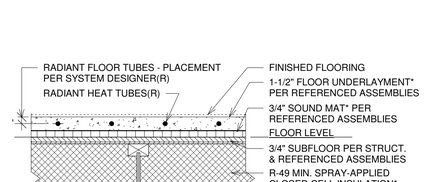
SLOPE TO BE COORD. W/ ASSEMBLY SPECIFICATIONS - RE: ROOF PLAN
EPDM MEMBRANE PER ASSEMBLY - INSTALL PER MFR. SPEC. & WARRANTY
MIN. R-7.5 TAPERED RIGID INSULATION** PER ASSEMBLY - 1-1/2" MIN. THICKNESS AT DRAIN
BARRIER BOARD PER ASSEMBLY
5/8" STRUCT. SHEATHING - RE: STRUCT.
R-42 MIN. SPRAY-APPLIED CLOSED CELL INSULATION* (OVER UNIT INTERIOR)
14" I-JOISTS PER STRUCT. & REFERENCED ASSEMBLIES
1-LAYER 5/8" TYPE "X" GYP. BD. (OVER UNIT INTERIOR)
3/4" T&G SOFFIT (EXTERIOR DECK)
FLAT ROOF PLATE LEVEL (RE: BLDG. SECTIONS)
VARIES
12"

UNVENTED ATTIC / ENCLOSED RAFTER ASSEMBLY IN COMPLIANCE WITH 2015 IIBC 1203.3

FLAT ROOF ASSEMBLY BASED ON CARLISLE SYNTEC ICC-ESR-1463, ADHERED ROOFING SYSTEM 4.

ROOF TAG: R-1
R-1-8 = 2X8 JOISTS IN PLACE OF 14" I-JOIST - RE: STRUCT.

20 A504a — R-1 - ROOF/CEILING ASSEMBLY
1 1/2" = 1'-0"



RADIANT FLOOR TUBES - PLACEMENT PER SYSTEM DESIGNER(R)
RADIANT HEAT TUBES(R)
FINISHED FLOORING
1-1/2" FLOOR UNDERLAYMENT* PER REFERENCED ASSEMBLIES
3/4" SOUND MAT* PER REFERENCED ASSEMBLIES
FLOOR LEVEL
3/4" SUBFLOOR PER STRUCT. & REFERENCED ASSEMBLIES
R-49 MIN. SPRAY-APPLIED CLOSED CELL INSULATION*
11-7/8" I-JOISTS PER STRUCT. & REFERENCED ASSEMBLIES
CAVITY FILLED FIBERGLASS BATT INSULATION*
3/4" T&G SOFFIT

FLOOR TAG: F-4
F-4R = RADIANT HEAT W/IN ASSEMBLY

(R) = RADIANT HEAT SYSTEM WITHIN FLOOR ASSEMBLY IN UNIT 1 ONLY - RE: BLDG. LAYOUT PLAN.

18 A504a — F-4 - FLOOR/CEILING ASSEMBLY (EXTERIOR)
1 1/2" = 1'-0"

*SEE BUILDING ASSEMBLY NOTES ON SHEET A504b FOR BASIS OF DESIGN, ADDITIONAL SPECIFICATIONS & REFERENCED FIRE RATED ASSEMBLIES

BUILDERS SET OF PLANS

NOTE: THIS IS A BUILDERS SET OF DRAWINGS. OWNER AND BUILDER TO PROVIDE AND INSTALL ALL ELEMENTS OF THE BUILDING PER REFERENCED TESTED ASSEMBLIES, MANUFACTURER'S SPECIFICATIONS & REQUIREMENTS.

DATE: 2020-05-04 - PERMIT REVIEW

6/24/2020 3:42:48 PM

RCRBD
Record Set
TC
11/07/2020

NOTICE: DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor and the architect. Design and construction are complex. Although the architect and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds misunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

All design, documents and data prepared by Eric Smith Associates, P.C. as instruments of service shall remain property of Eric Smith Associates, P.C. and shall not be copied, changed or disclosed in any form whatsoever without first obtaining the express written consent of Eric Smith Associates, P.C.

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REVISIONS

No.	Description	Date
2	ASI 02 - FIRE RISER ROOM	TBD

AVIATOR NORTH - LOT 2 (BLDG 1D)

Lot 2, Airport Park Subdivision
Steamboat Springs, CO

ERIC SMITH ASSOCIATES, P.C.
1919 SEVENTH STREET
BOULDER, COLORADO, 80302
(303) 442-5458, (303) 442-4745 FAX

Job Number:	14042.00
Date:	2020-05-04
Drawn By:	Author
Checked By:	Checker

Project Phase
BUILDING PERMIT

Sheet Title
BUILDING ASSEMBLIES

Sheet Number
A504a