



Jones Gillam Renz Architects

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ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

JONES GILLAM RENZ DOCUMENT JGR 710

PROJECT:	The Reserves at South Lake New Apartment Complex Grinnell, IA	Report No.	Two (2)
OWNER:	OPG South Lake Partners, LLC Dan Maximuk 234 N. Santa Fe Ave, Suite A Salina, KS 67401	Date	Dec. 16, 2022
CONTRACTOR:	MCP Group 3501 SW Fairlawn Rd. Topeka, KS 66614	Architect's Proj No.	20-3118
		Contract For:	General Construction Mechanical, Electrical

The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect.

DESCRIPTION:

1. Breezeways, Both Buildings – Floor/Ceiling construction shall consist of open wood joists (2x8's), 2x12 beams and deck boards in lieu of 1-hr fire rated construction with finished gypsum board ceiling and lightweight concrete floor topping.
 - a. Revised Sheets:
 - i. A4.3 – Section B has been revised at the breezeway-corridor wall intersections.
 - ii. A4.5 – Details K, L & M have been revised at the breezeway-corridor wall connections & Thresholds
 - iii. A4.6 – Detail B at breezeway railing has been revised
 - iv. A5.3 – Details G, J & K have been revised at breezeway stair and rail details.
 - v. A6.1 – Detail A, section through breezeway floor have been revised.
 - vi. S2.1 – Keynote #137 has been revised to read 2x8 joists in lieu of 2x12
 - vii. S2.2 - Keynote #137 has been revised to read 2x8 joists in lieu of 2x12
 - viii. S2.3 – Details F & N have been revised to reflect change in joist size.
2. Contractor to note: Due to the removal of the enclosed ceiling cavity, sprinkler heads & pipes for breezeways will need to be designed for side wall coverage vs. ceiling.

Attachments:

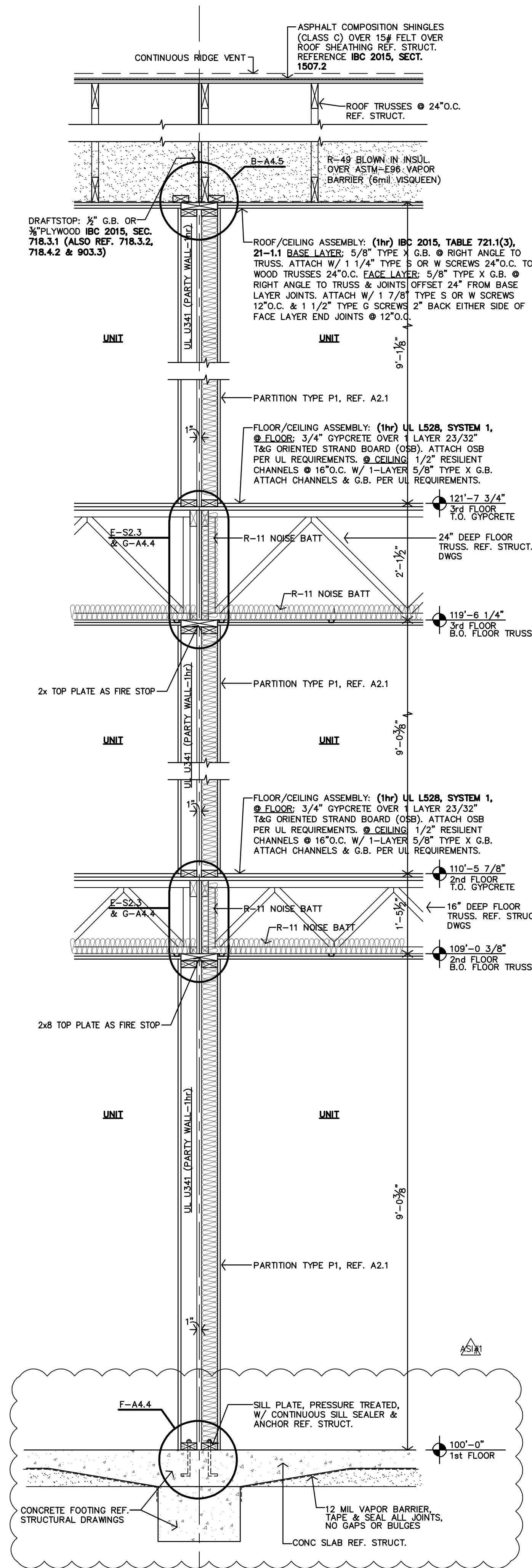
1. Revised Sheets A4.3, A4.5, A4.6, A5.2, A6.1, S2.1, S2.2 and S2.3

Issued by:

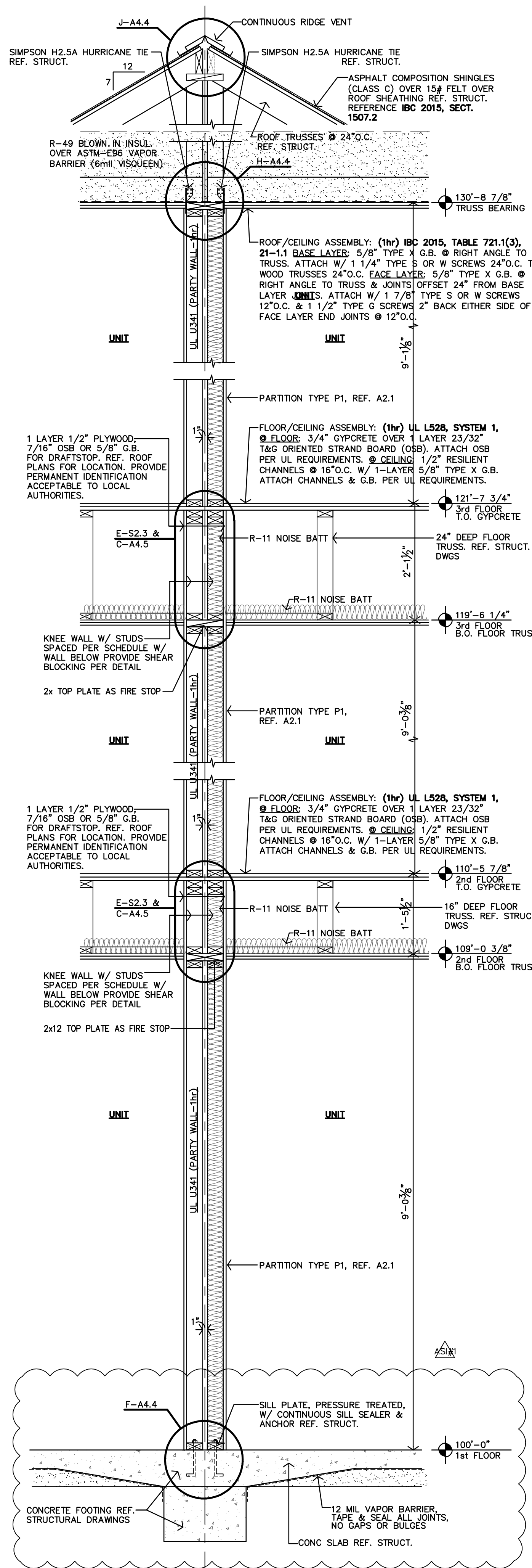
Jones Gillam Renz Architects PO Box 2928, Salina, KS 67402
Maggie Gillam, Project Manager 785 827 0386 mgillam@jgrarchitects.com

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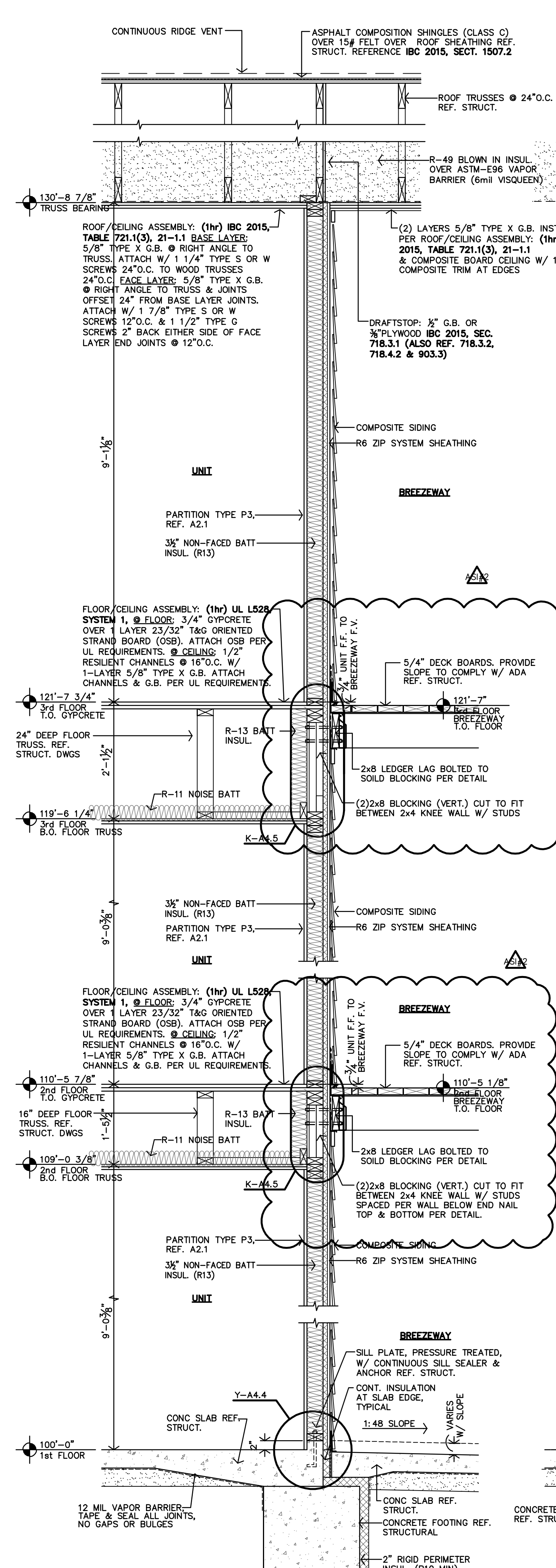
MCP Group – Eric Hubener
OPG – Dan Maximuk
JGR Architect – Maggie Gillam
LST – John Lewis-Smith
Structural – Jim Manley



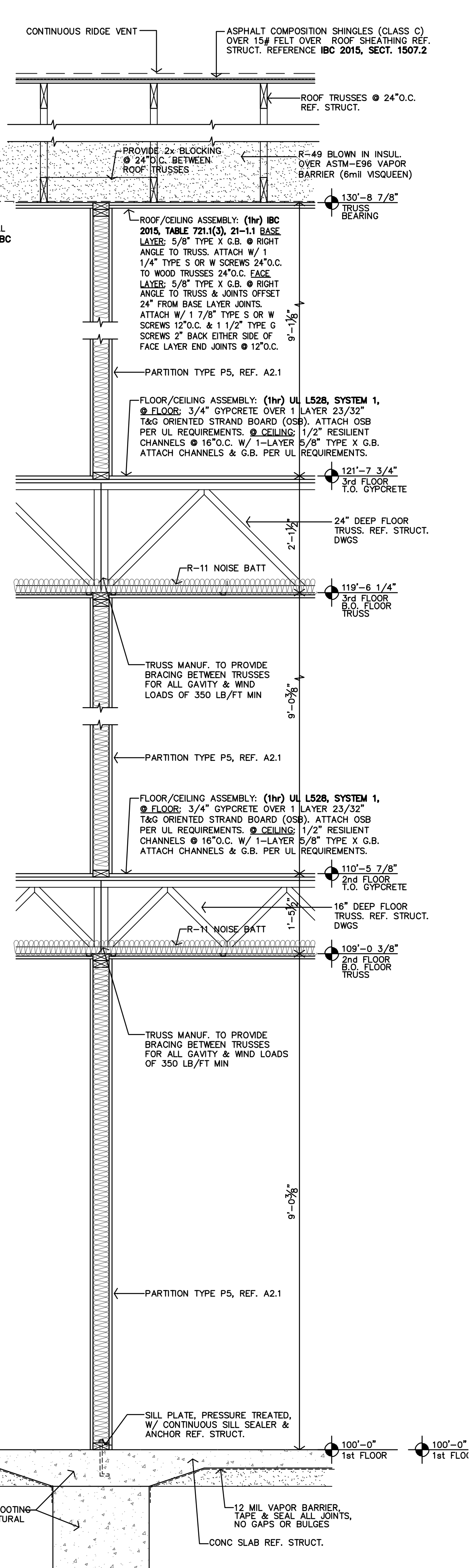
D
PARTY WALL
SIDE to SIDE
WALL SECTION
3/4"=1'-0"



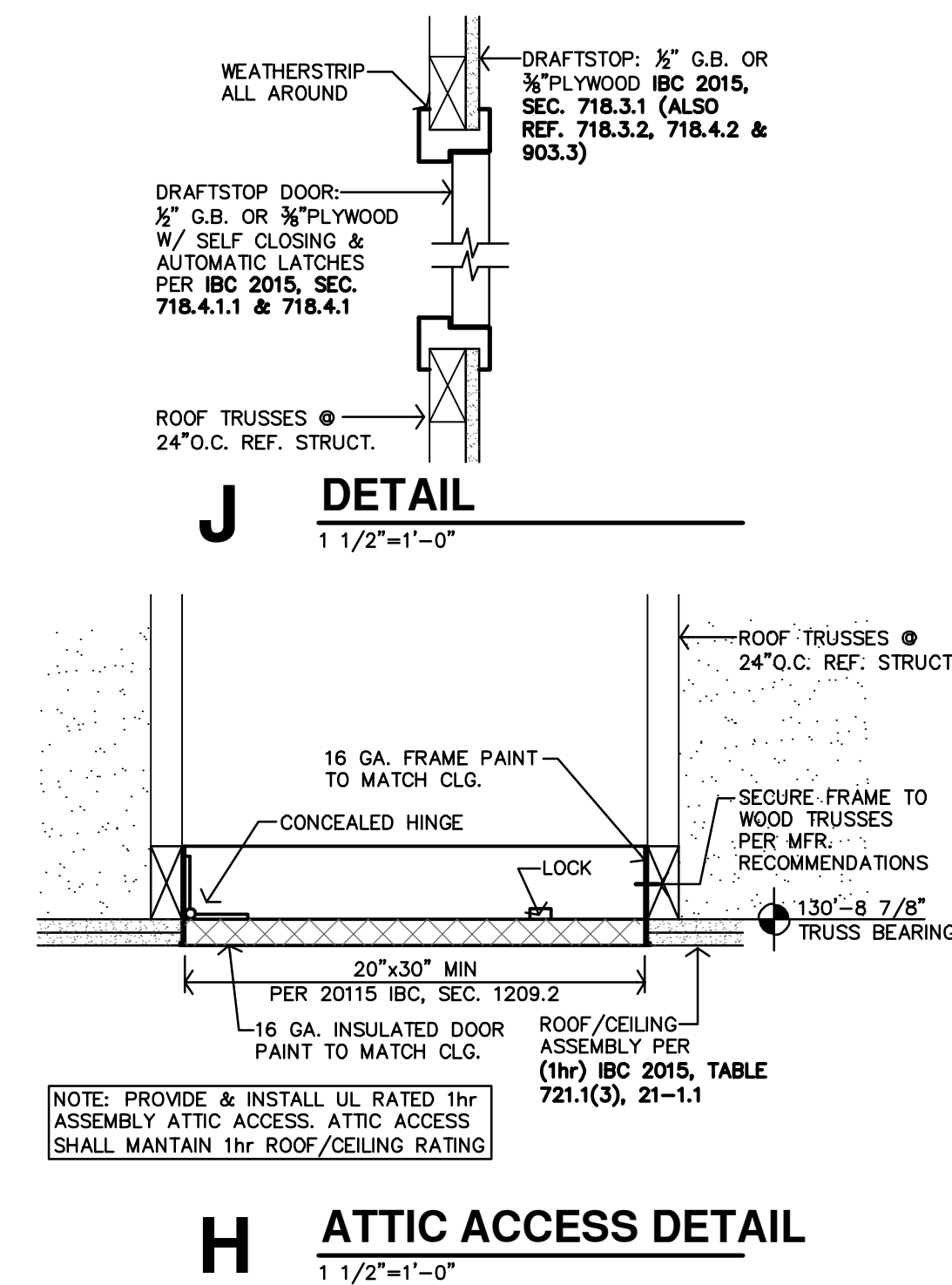
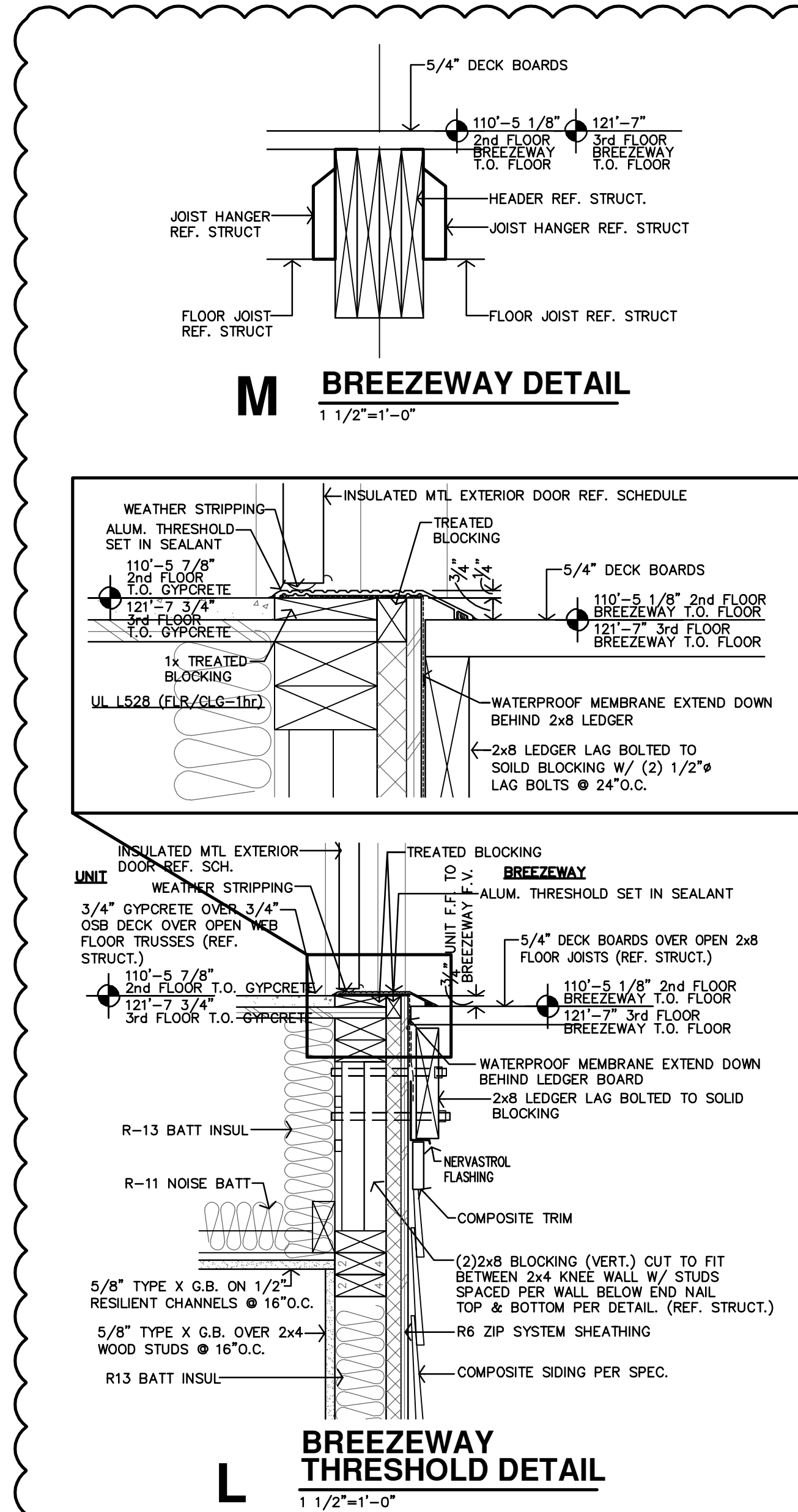
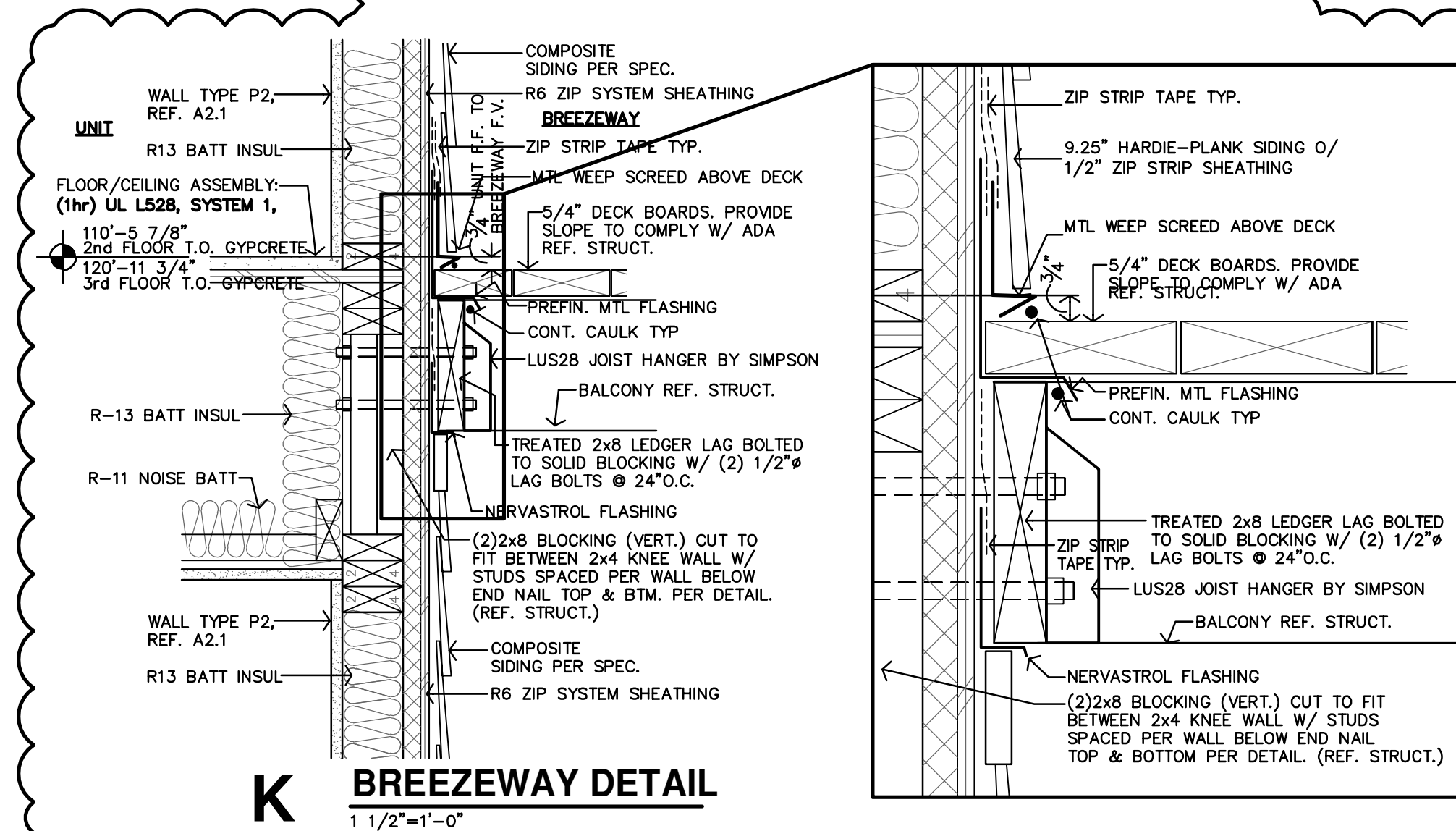
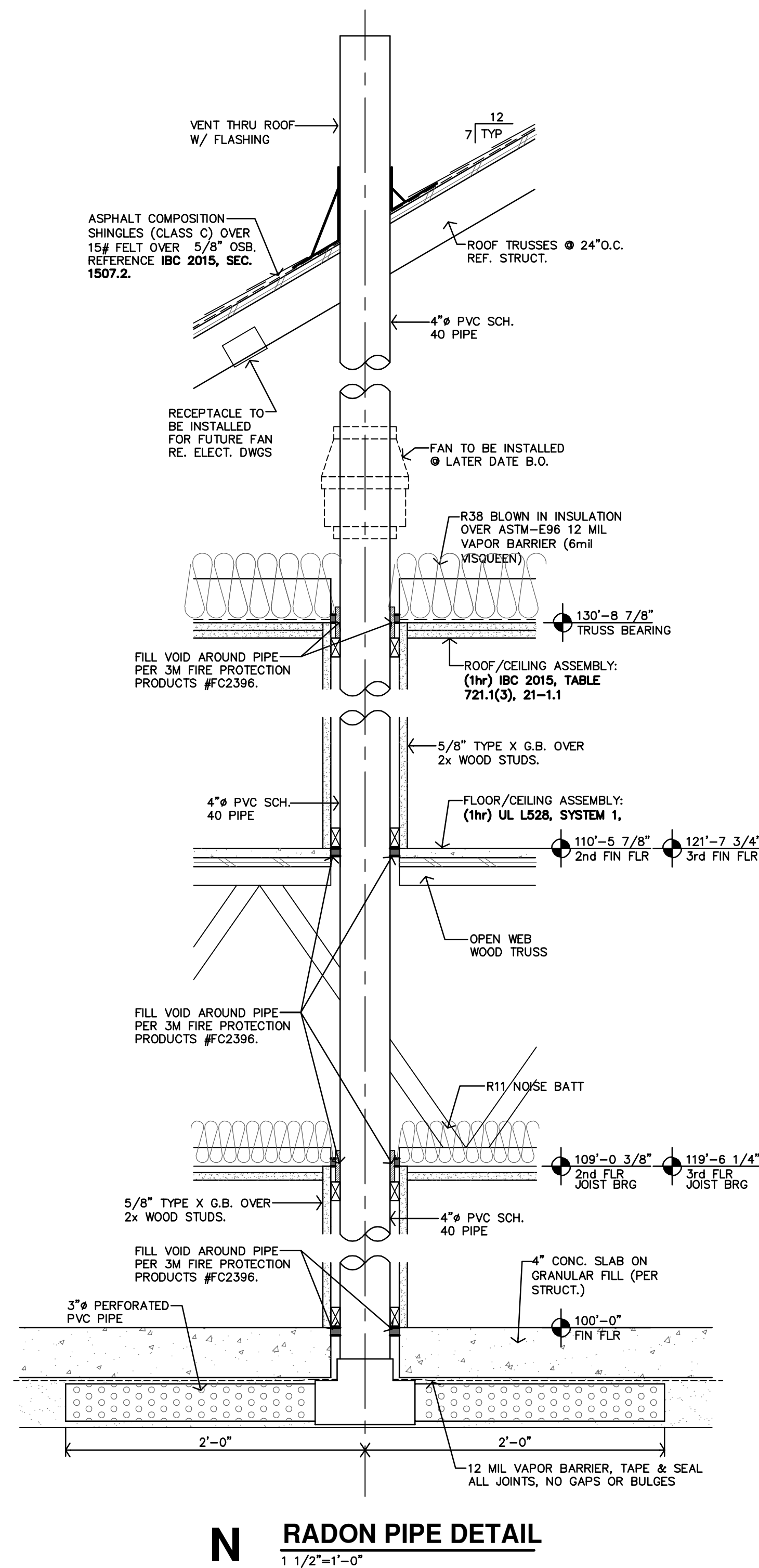
C
PARTY WALL
BACK to BACK
WALL SECTION
3/4"=1'-0"



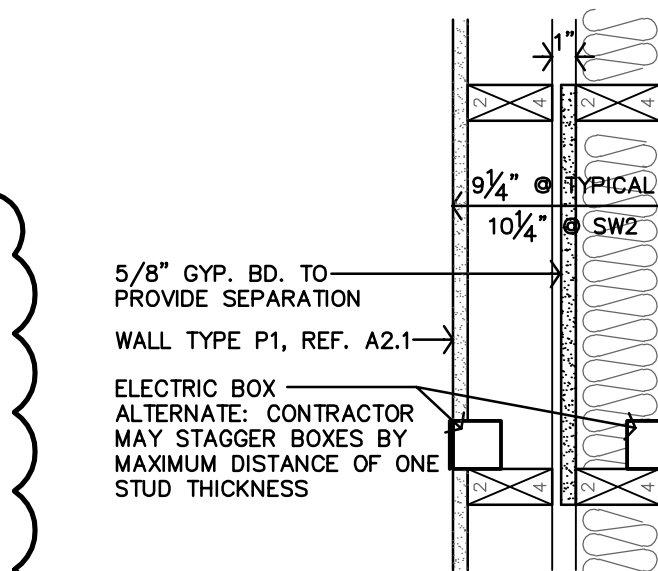
B
BREEZEWAY
WALL SECTION
3/4"=1'-0"



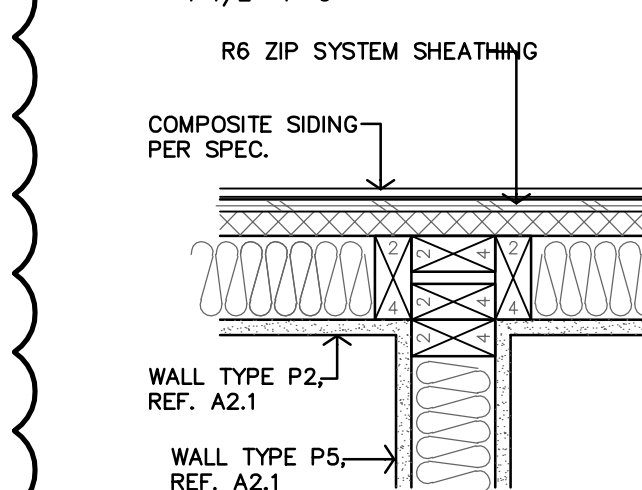
A
INTERIOR LOAD BEARING
WALL SECTION
3/4"=1'-0" REF. STRUCT. DWGS. FOR LOCATIONS



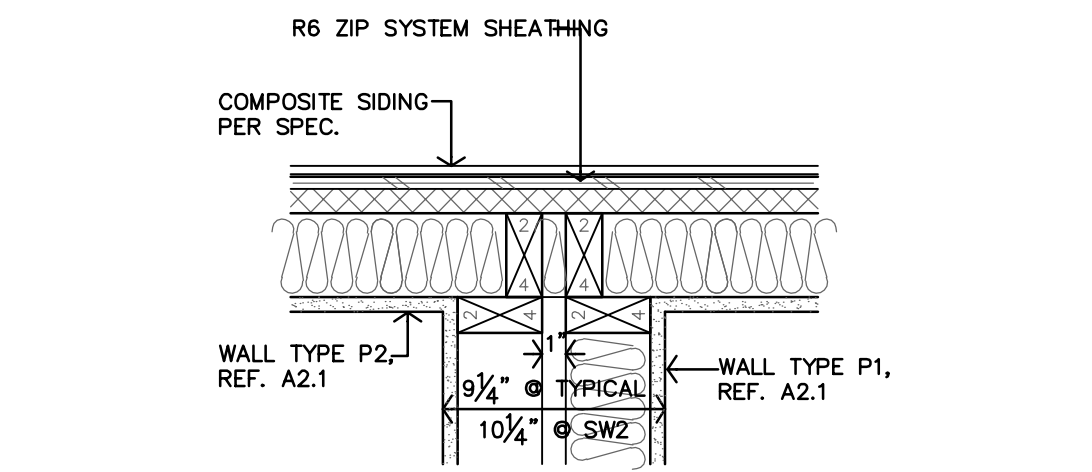
H ATTIC ACCESS DETAIL
1 1/2"=1'-0"



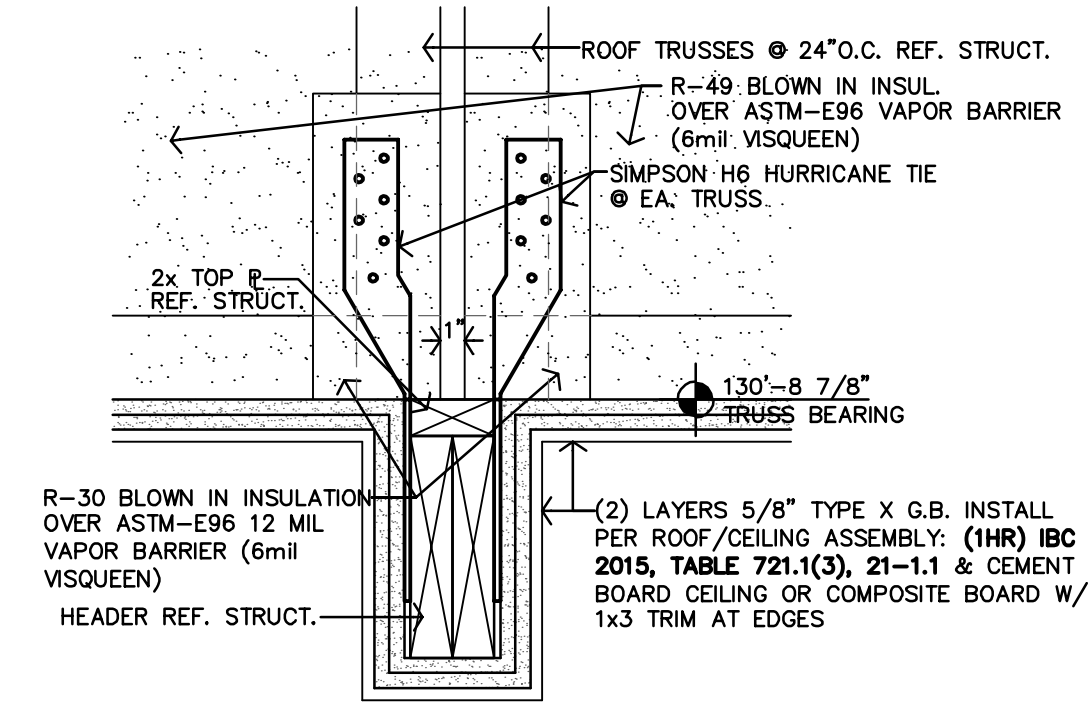
G FIRE BLOCKING @ J-BOX
1 1/2"=1'-0"



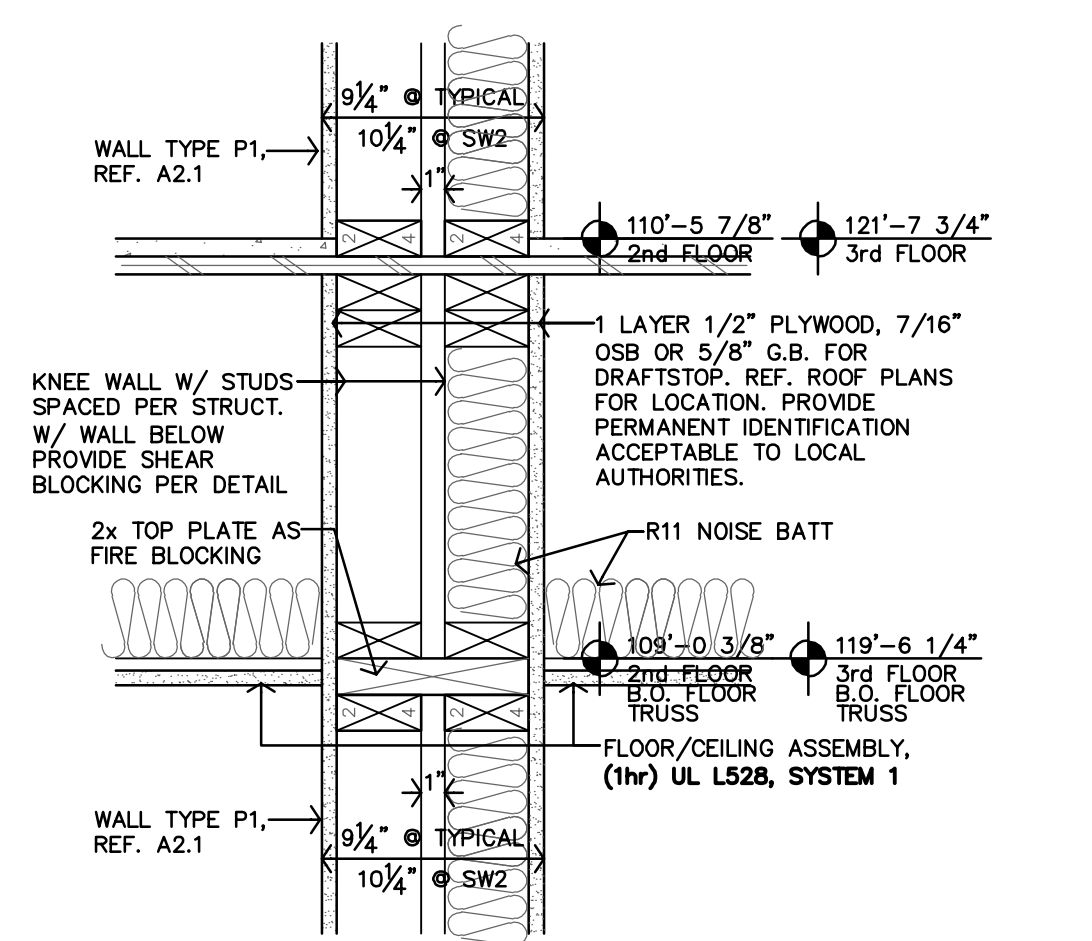
F EXT. WALL DETAIL
1 1/2"=1'-0"



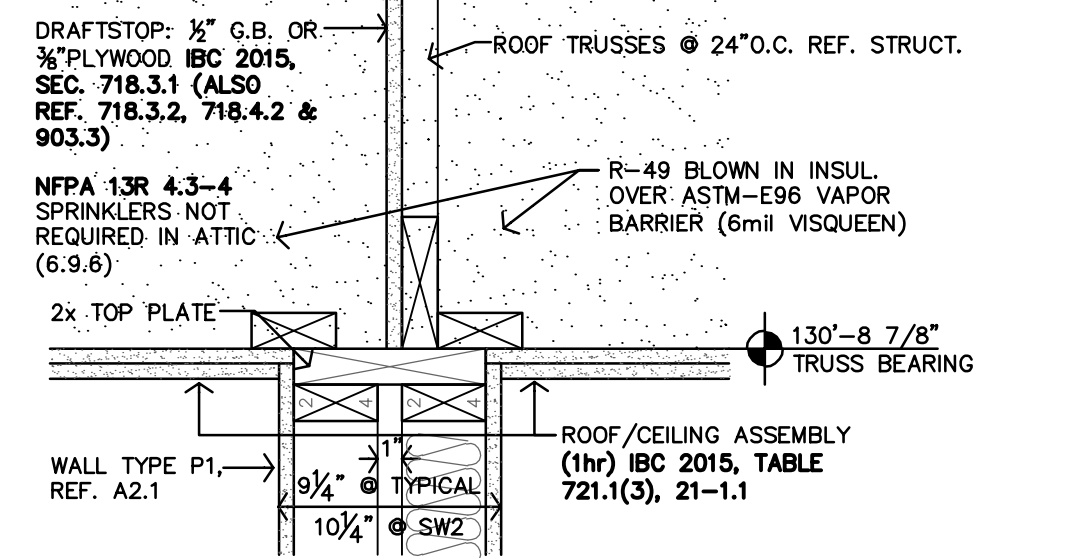
E WALL CAVITY PLAN DETAIL
1 1/2"=1'-0"



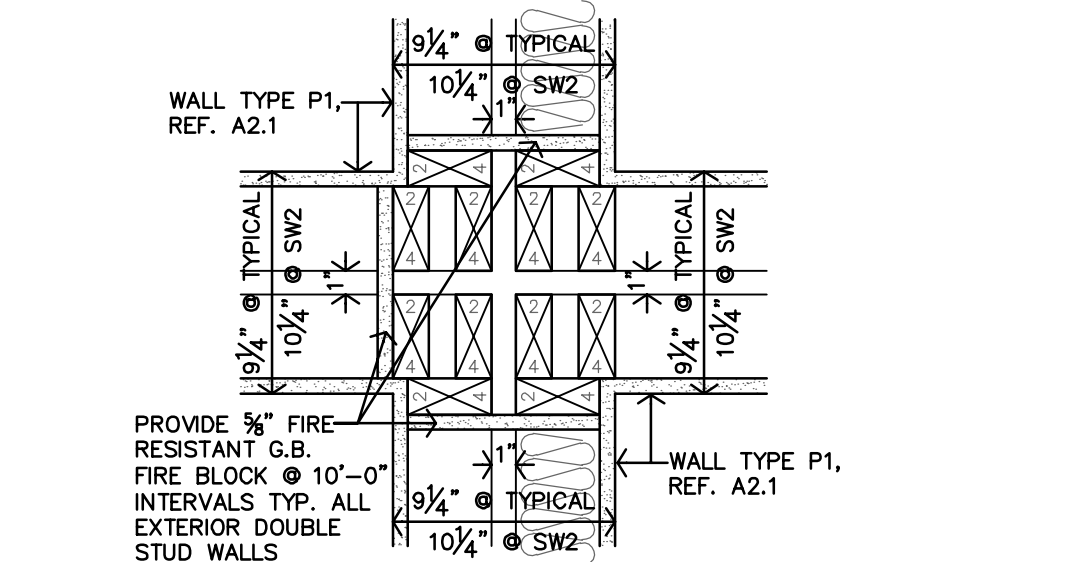
D BREEZEWAY ROOF BEAM DETAIL
1 1/2"=1'-0"



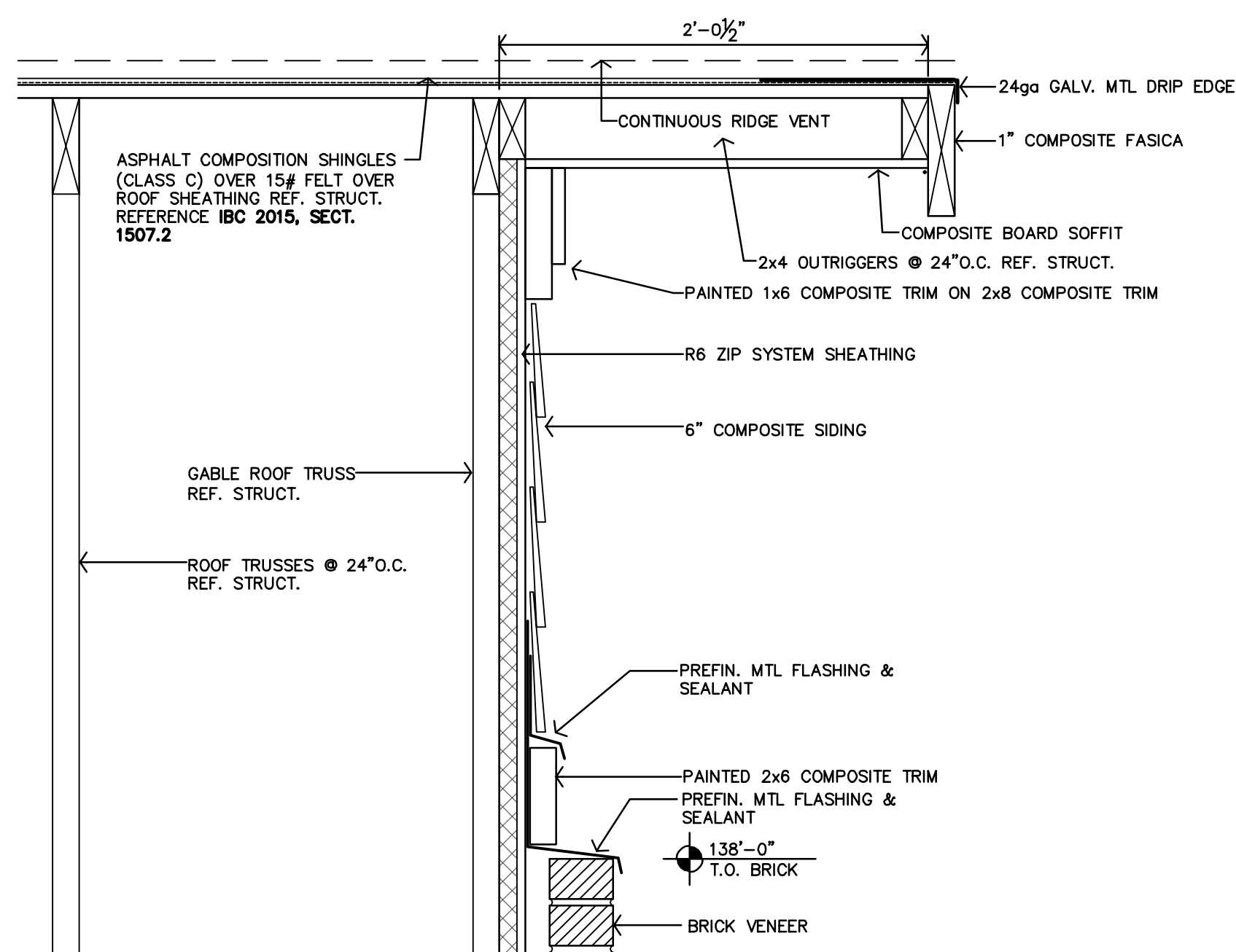
C PARTY WALL (BACK-BACK) FIRE STOP
1 1/2"=1'-0"



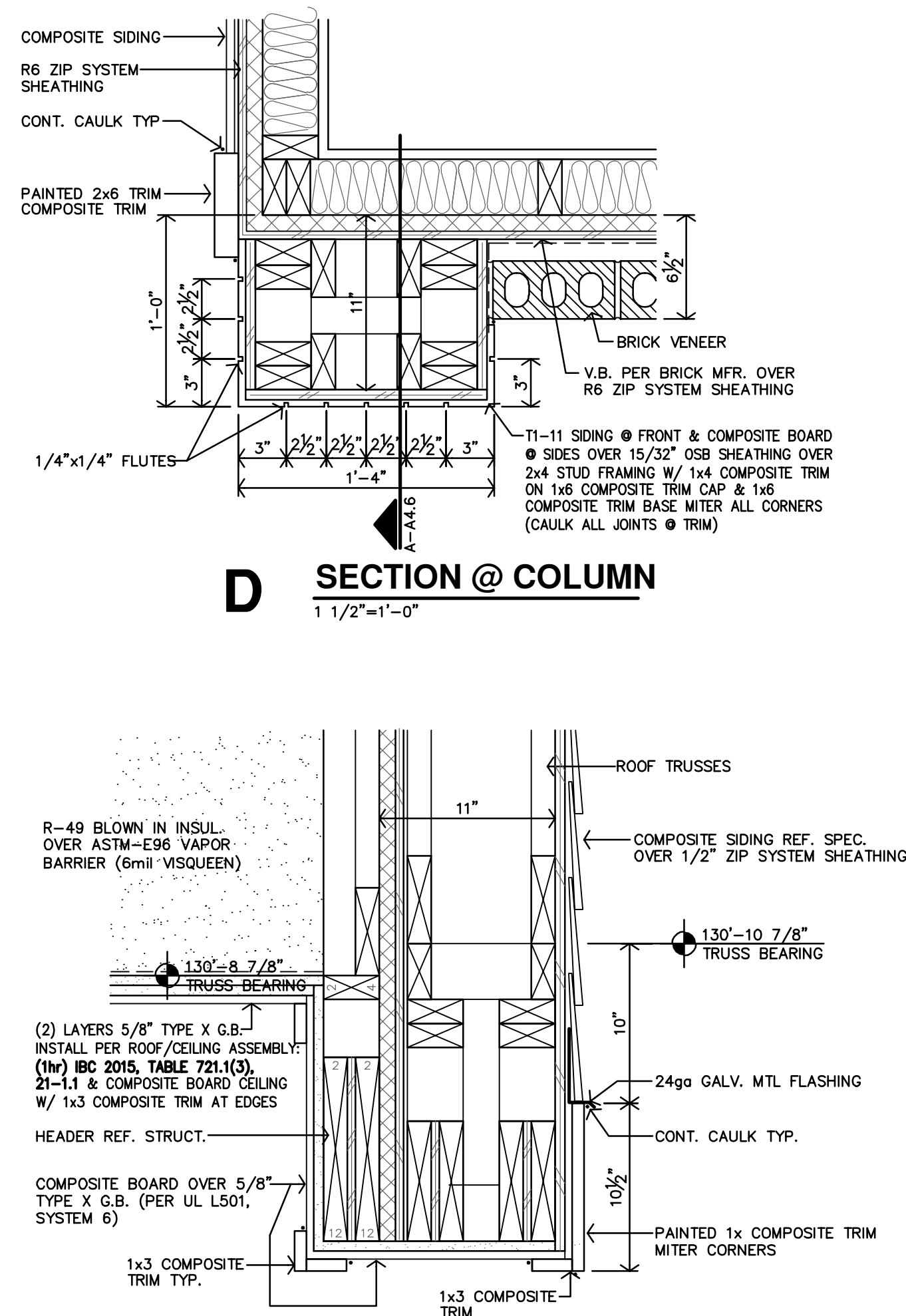
B PARTY WALL (SIDE-SIDE) FIRE STOP
1 1/2"=1'-0"



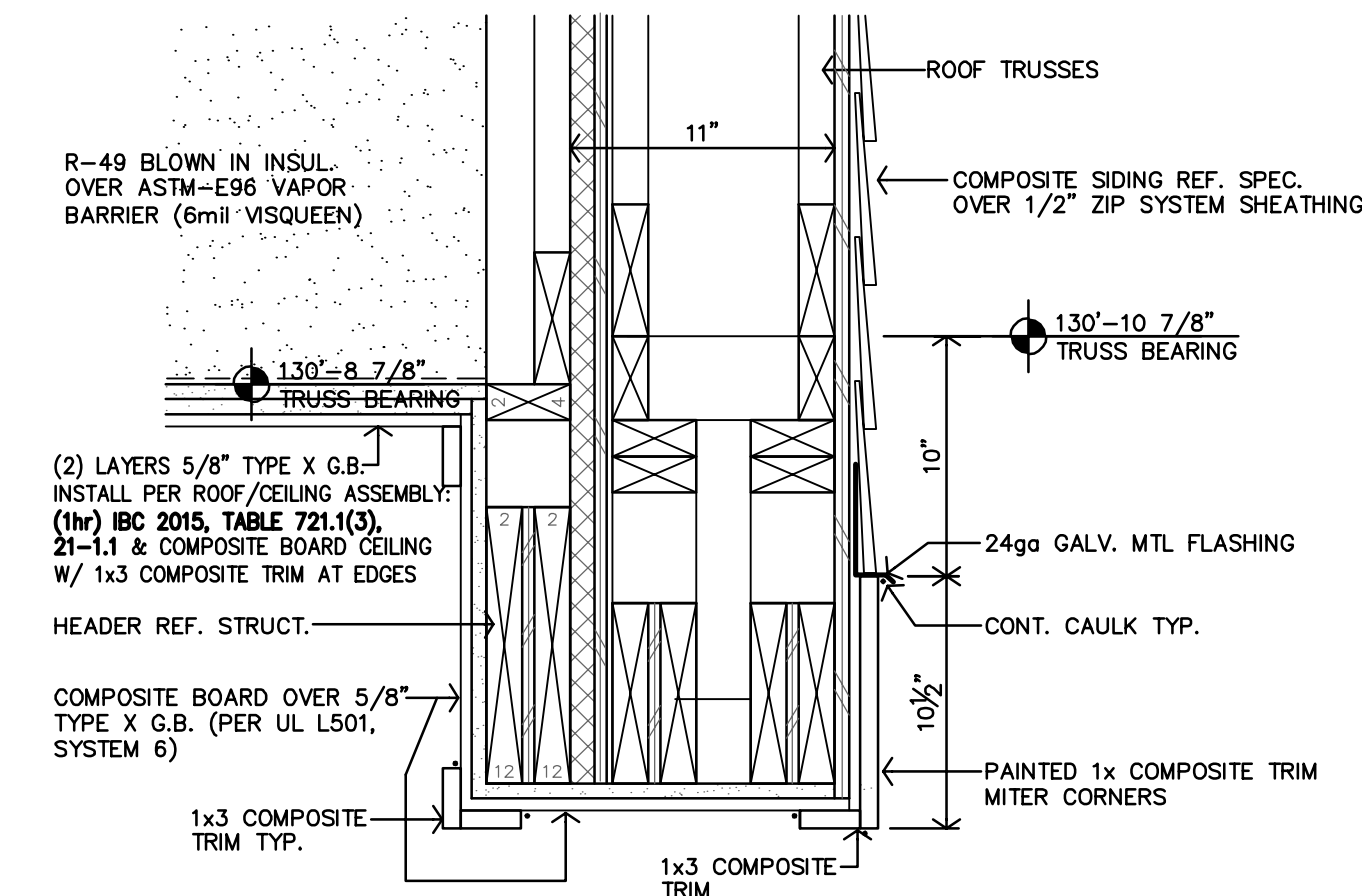
A PARTY WALL INTERSECTION FIRE BLOCKING DETAIL
1 1/2"=1'-0"



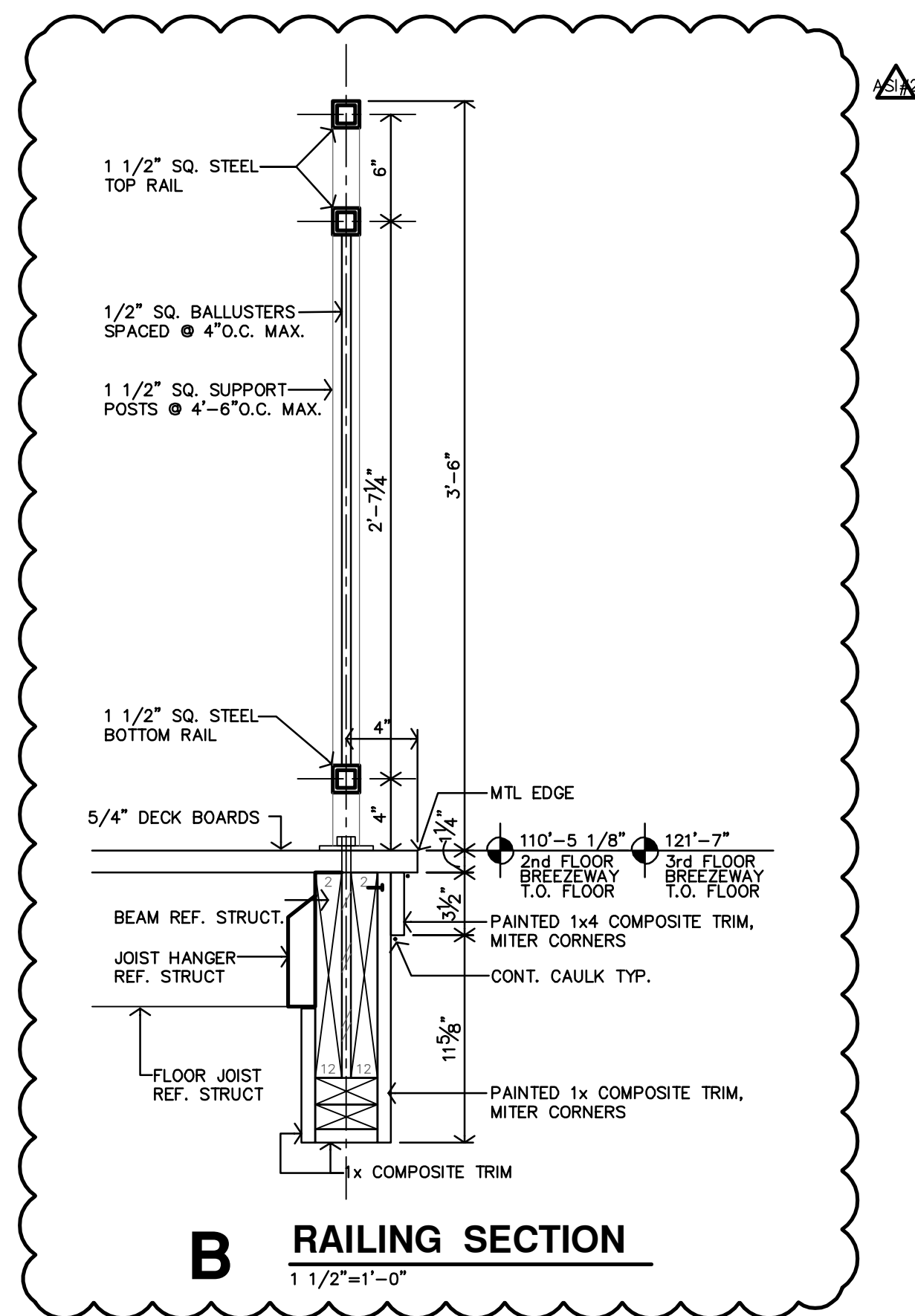
E SECTION
1 1/2" = 1'-0"



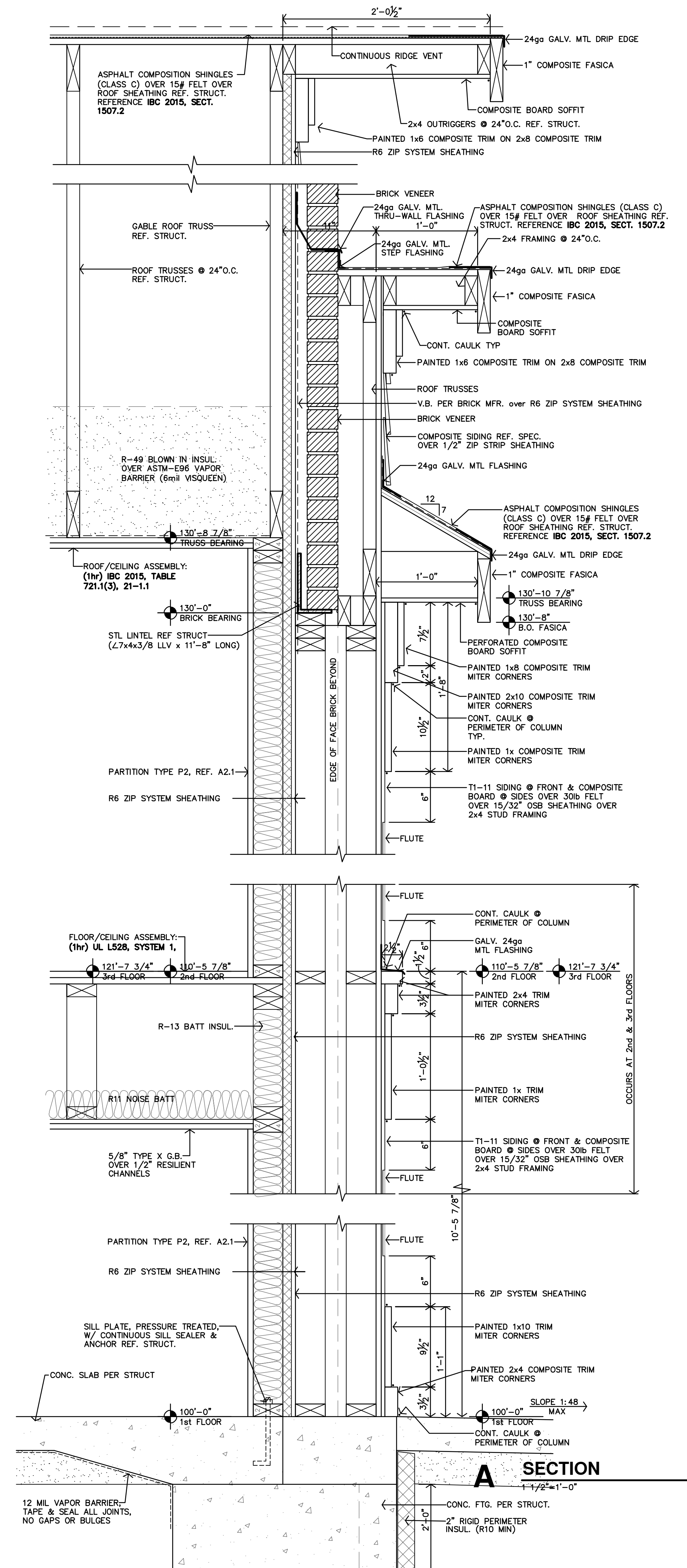
D SECTION @ COLUMN
1 1/2" = 1'-0"



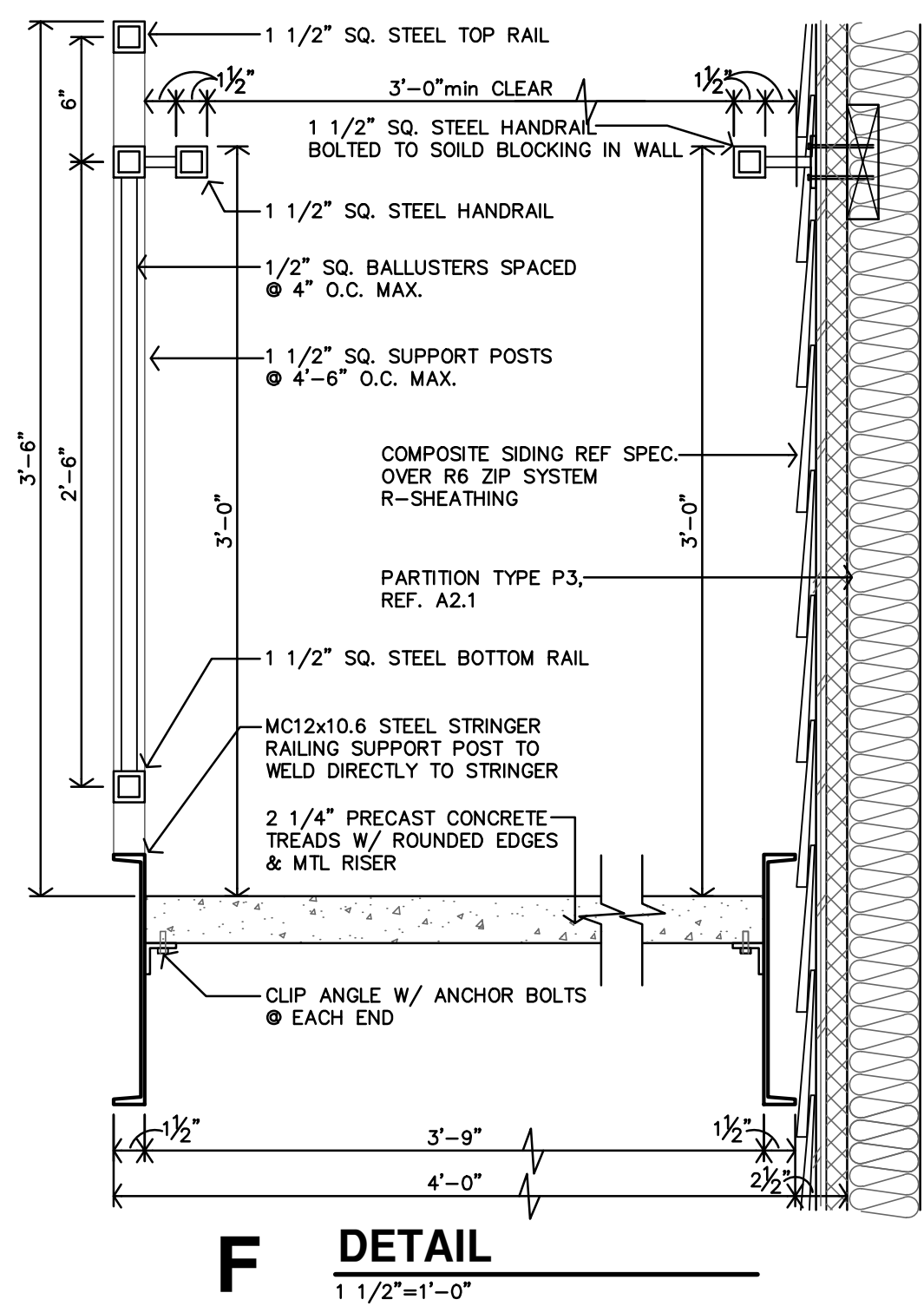
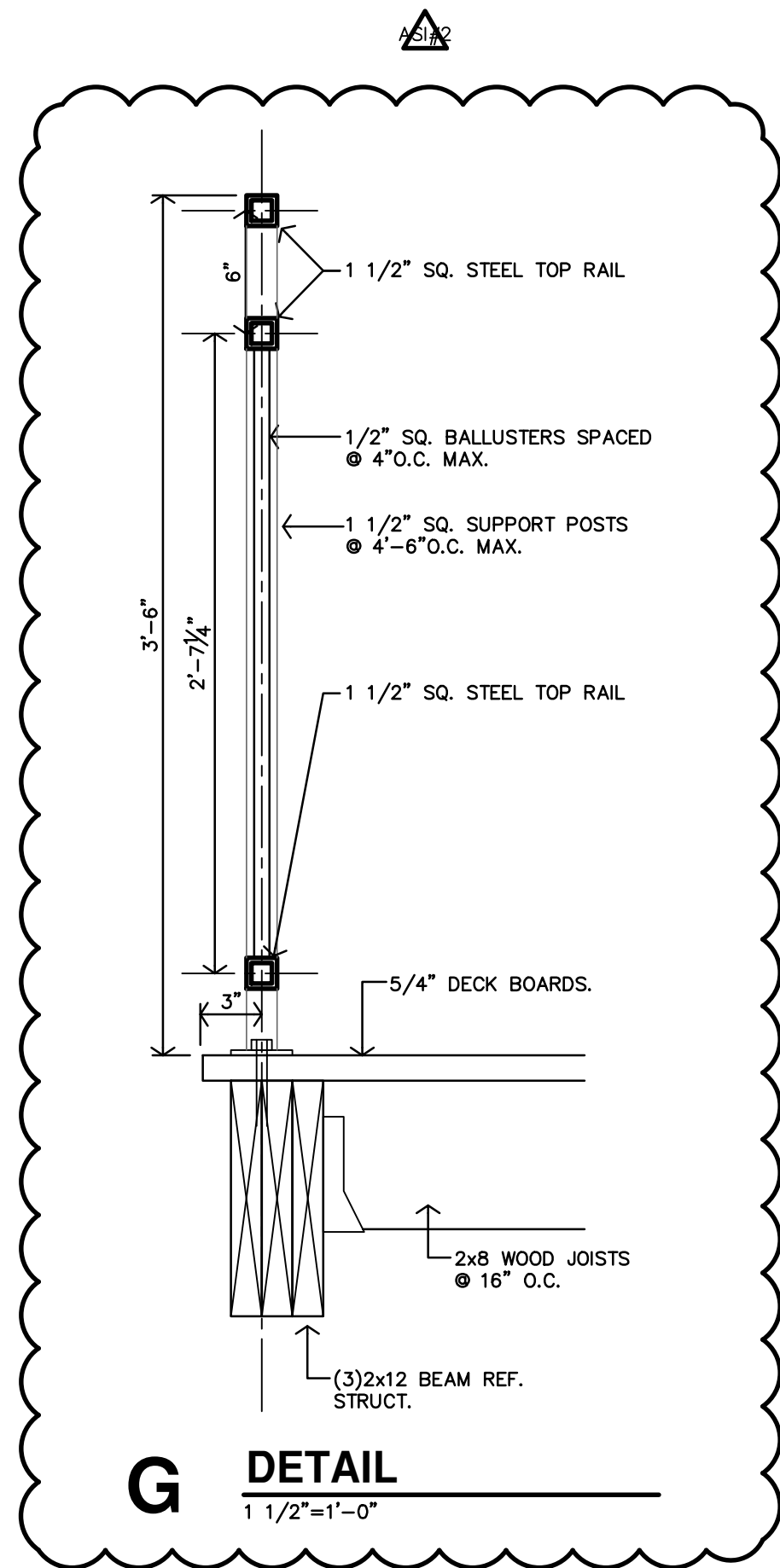
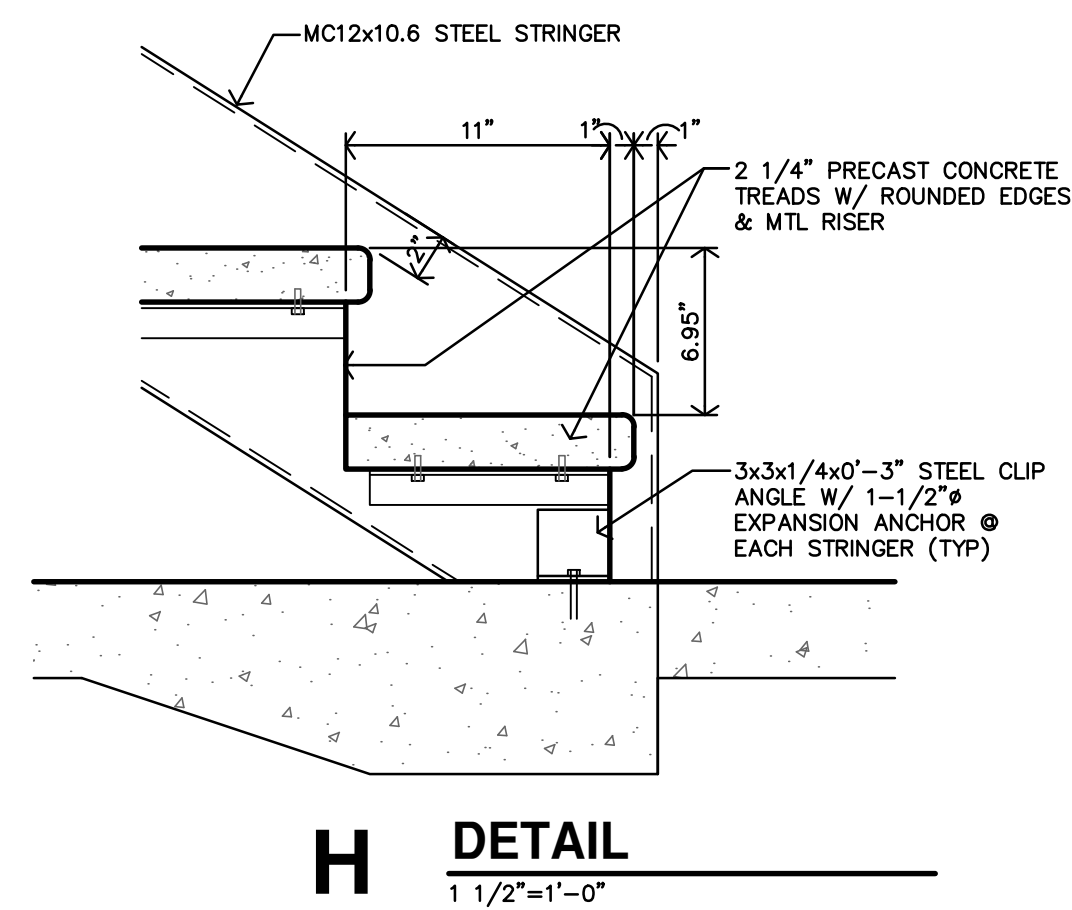
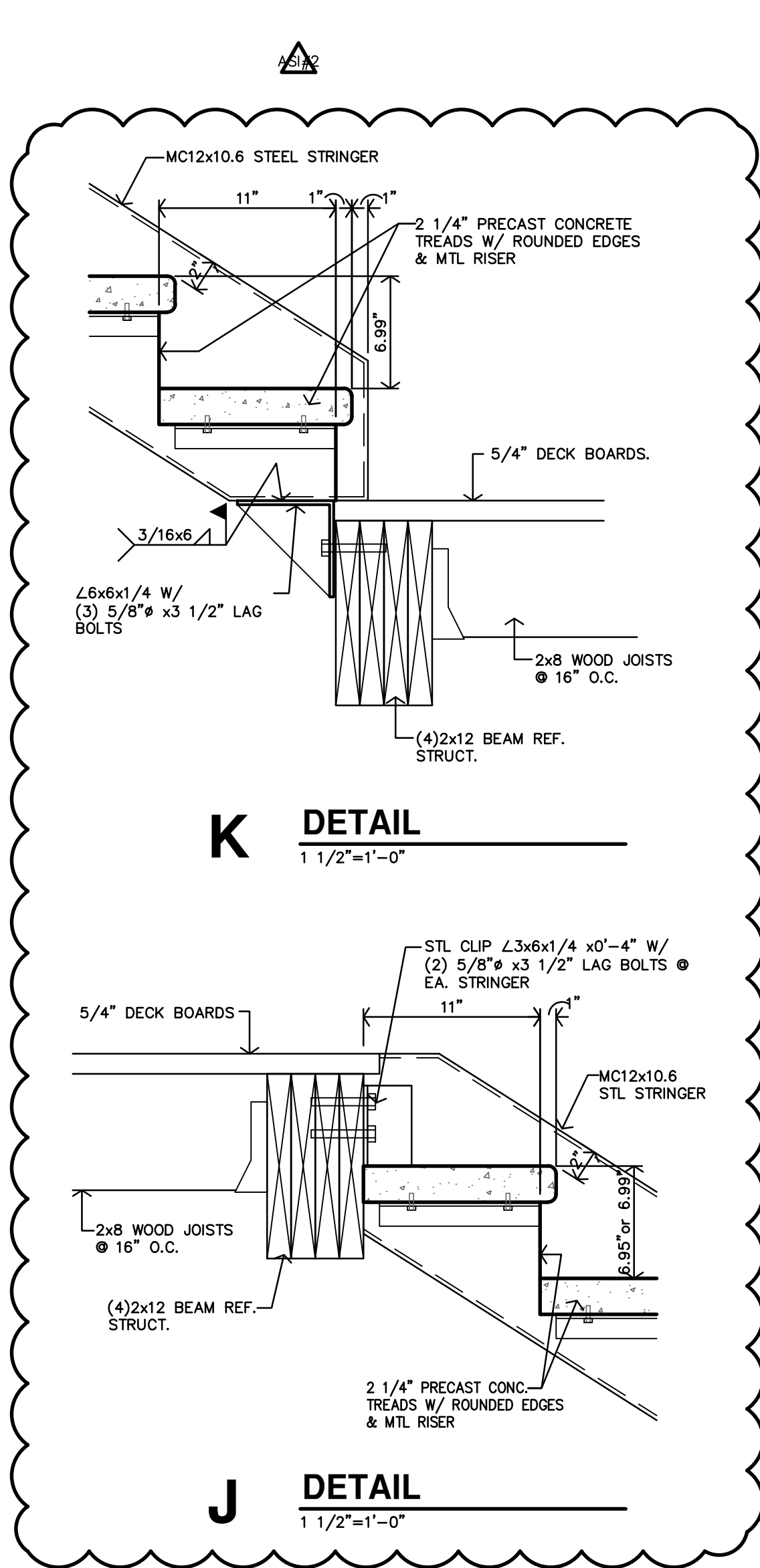
C SECTION
1 1/2" = 1'-0"



B RAILING SECTION
1 1/2" = 1'-0"



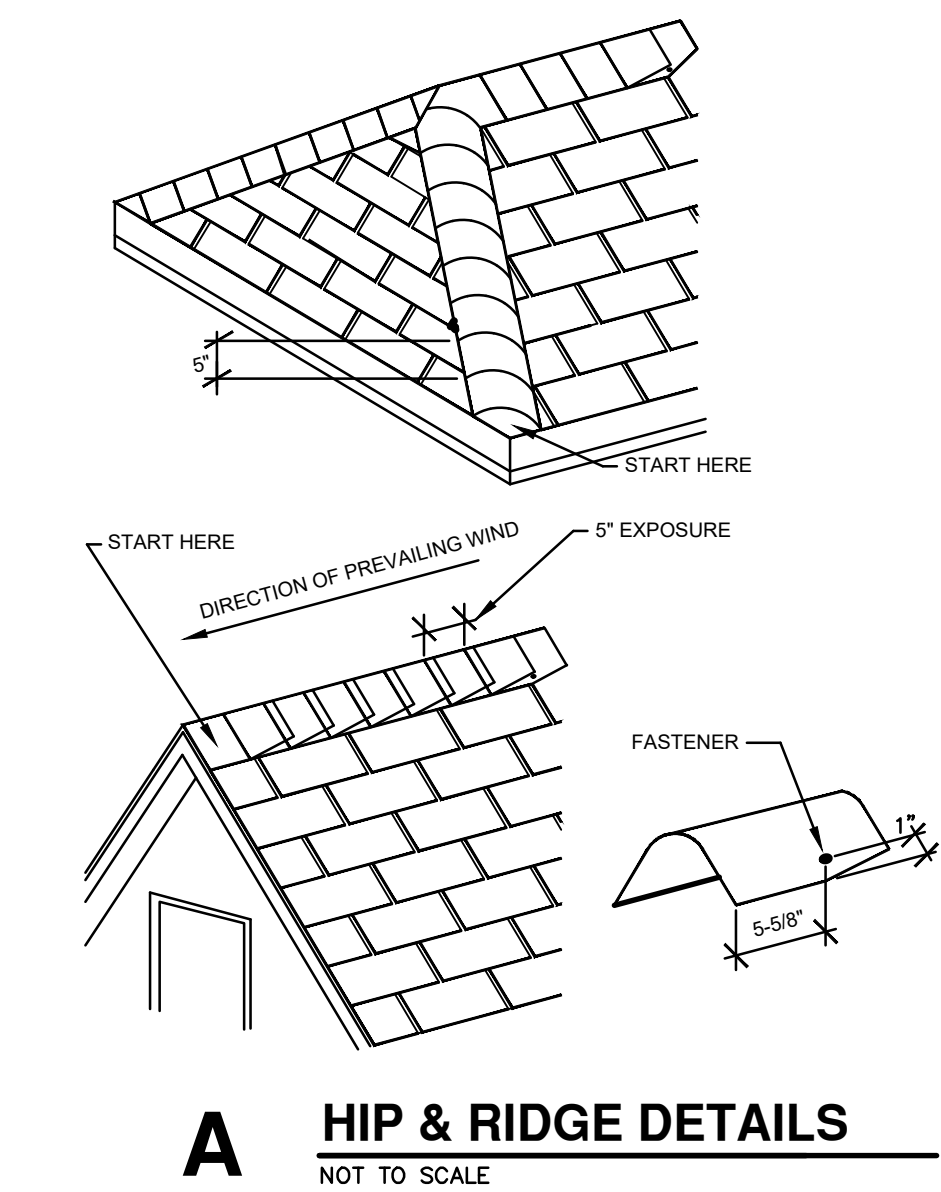
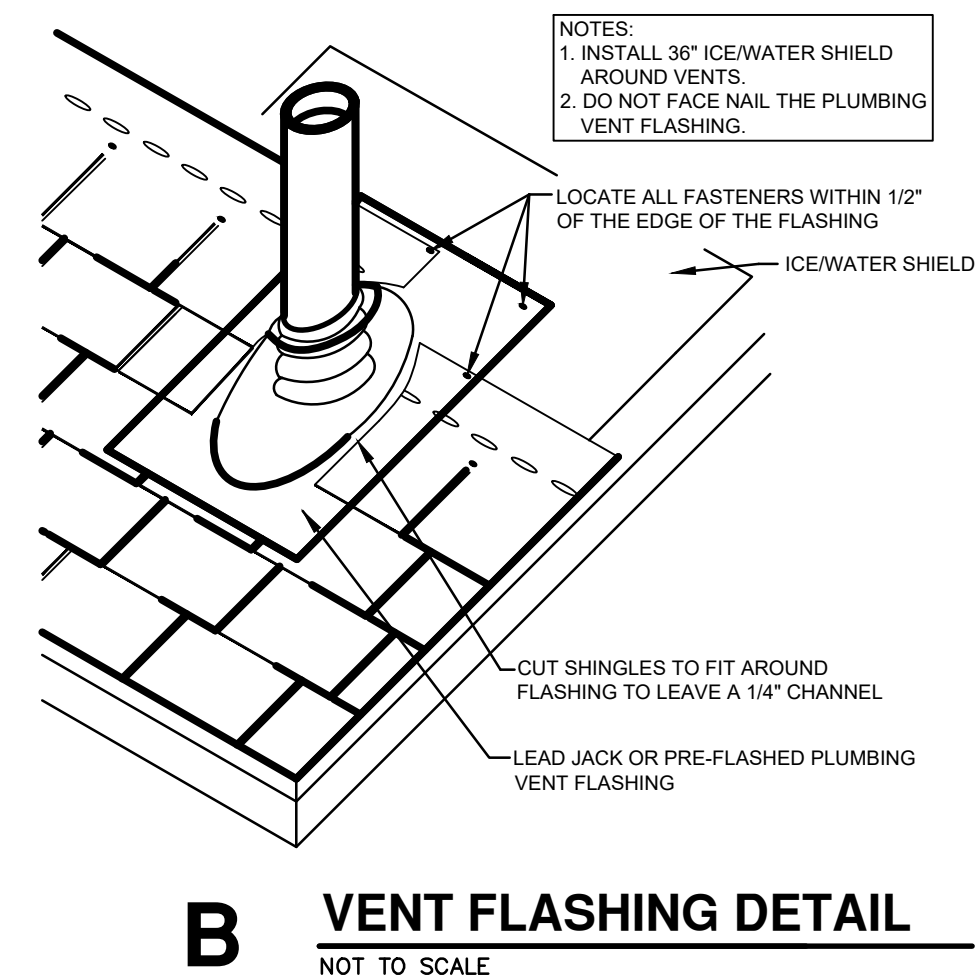
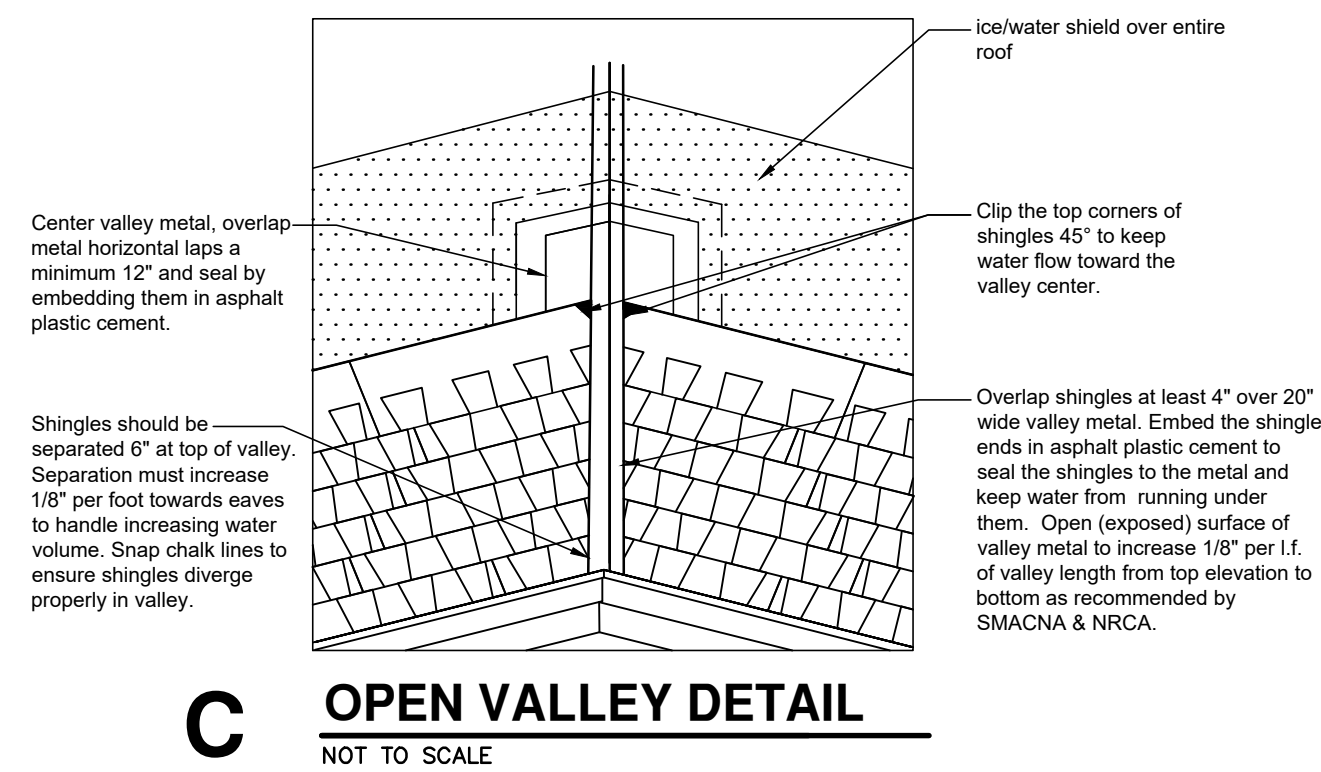
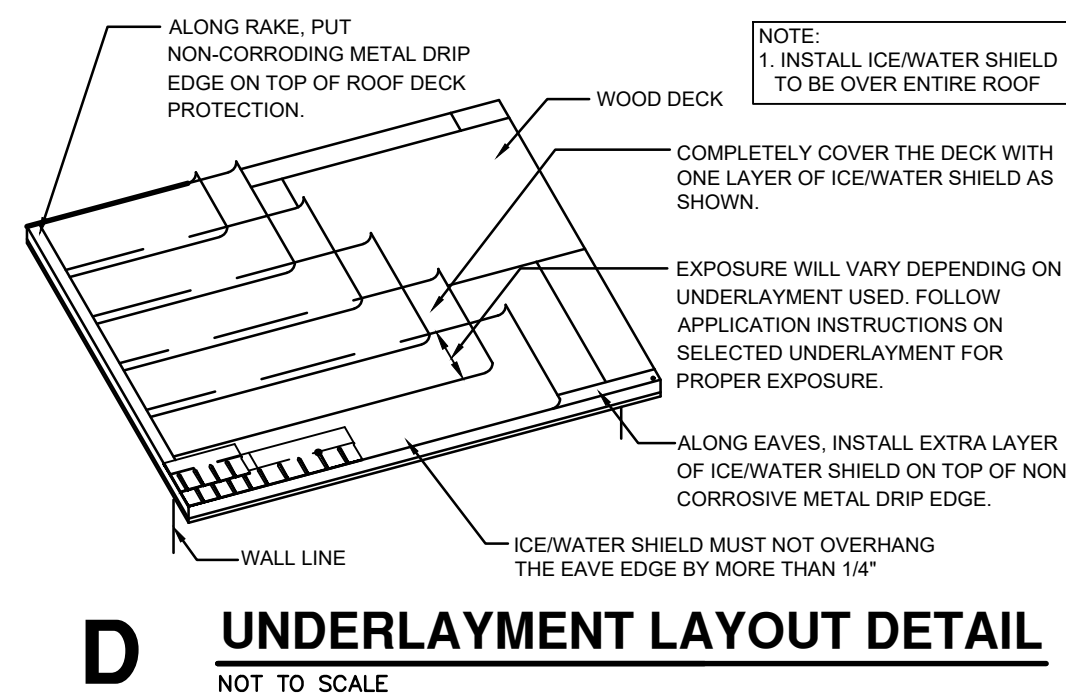
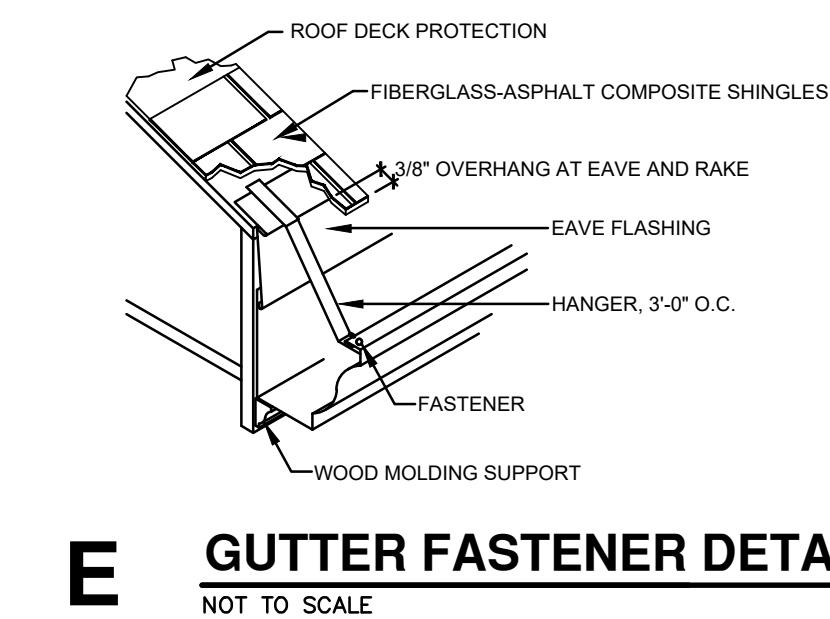
A SECTION
1 1/2" = 1'-0"



ROOFING DETAIL NOTES

1. TYPICAL MANUFACTURER'S DETAILS. ACTUAL CONDITIONS MAY VARY, REFER AND COORDINATE W/ BUILDING DETAILS PROVIDING THE MANUFACTURER'S MOST STRINGENT REQUIREMENTS, NECESSARY TO ACHIEVE COMPLETE WATERTIGHT WARRANTY.
2. A WOOD NAILER IS REQUIRED WHEN INSULATION IS GREATER THAN 1" COORDINATE WITH MANUFACTURER'S REQUIREMENTS TOP OF WOOD ATTACH WOOD NAILERS SHALL BE SPACED NO GREATER THAN 18" O.C.

MANUFACTURER'S-ROOFING DETAILS, CONDITIONS VARY



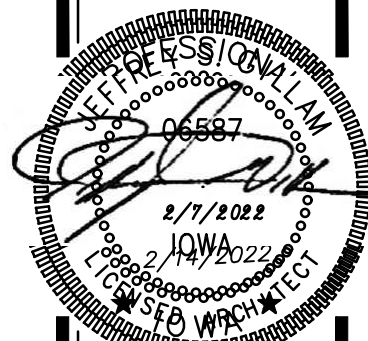
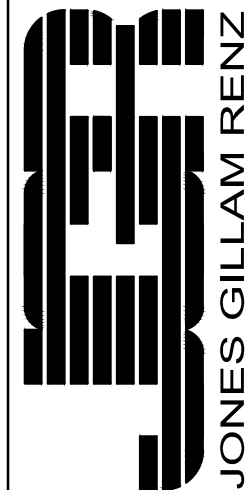
THE RESERVES at SOUTH LAKE

NEW APARTMENT COMPLEX

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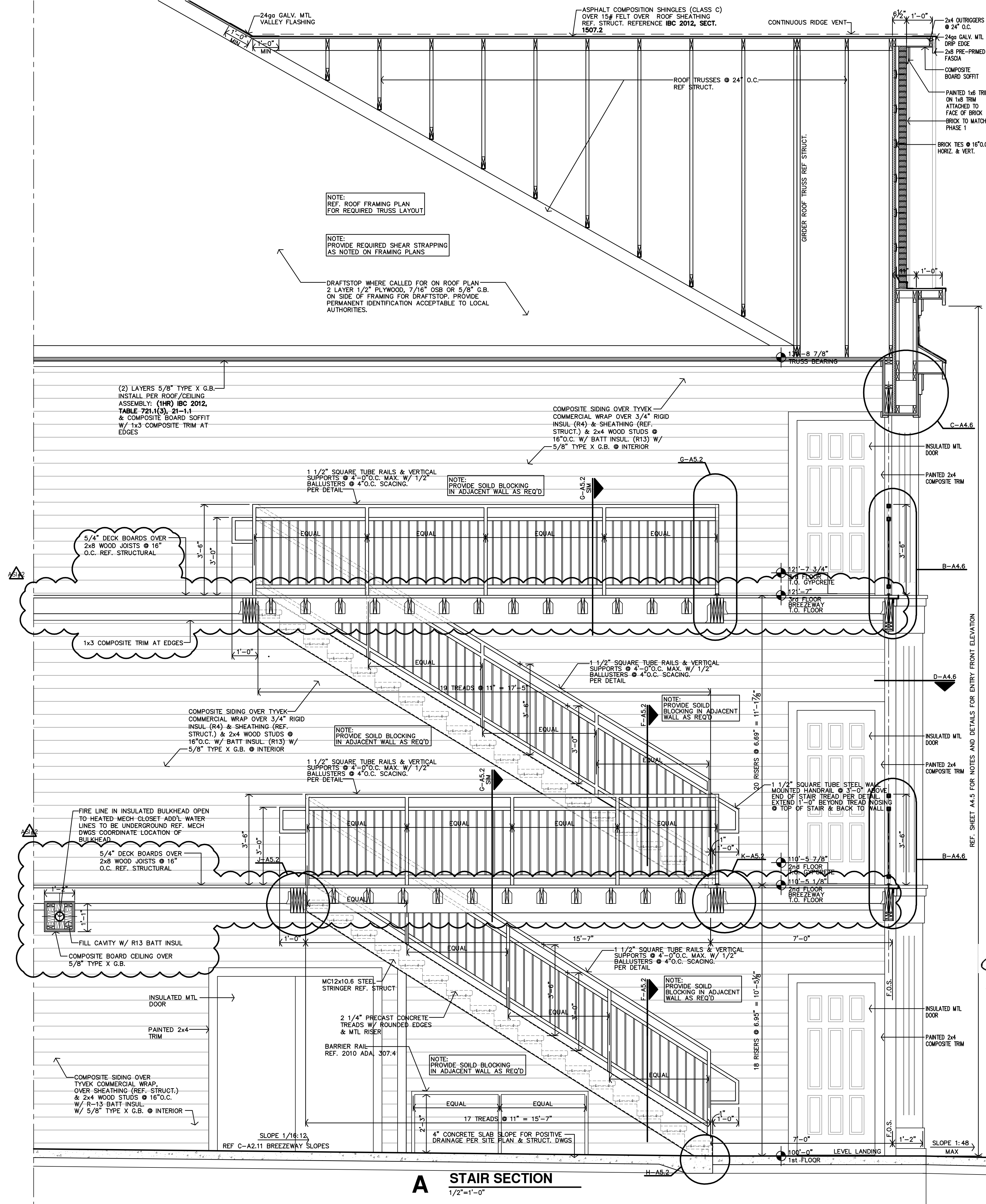
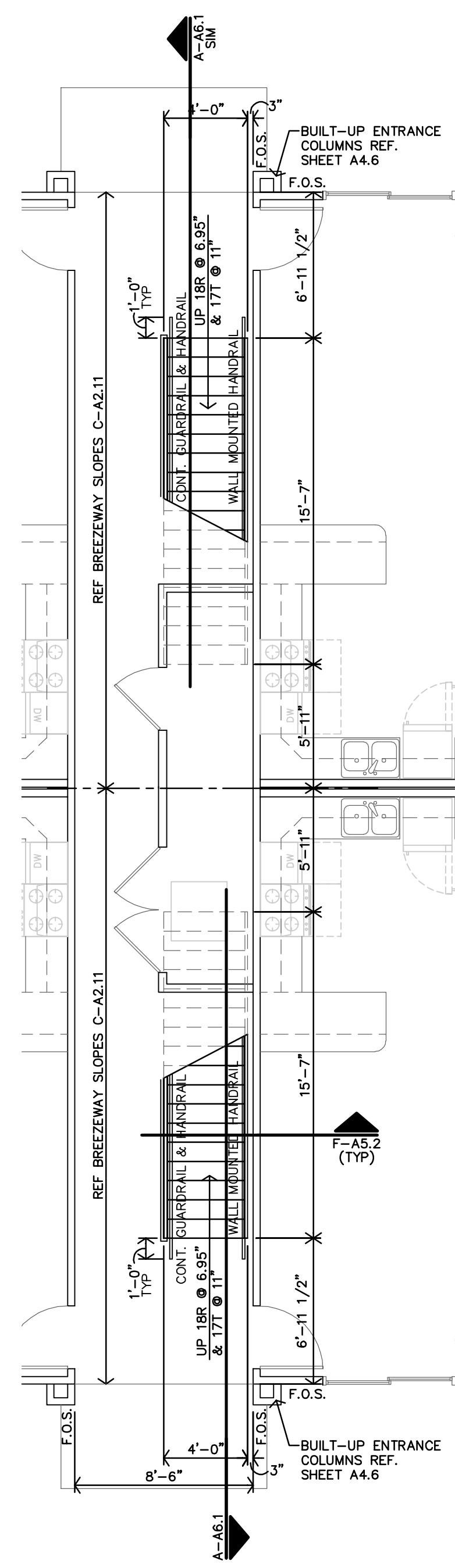
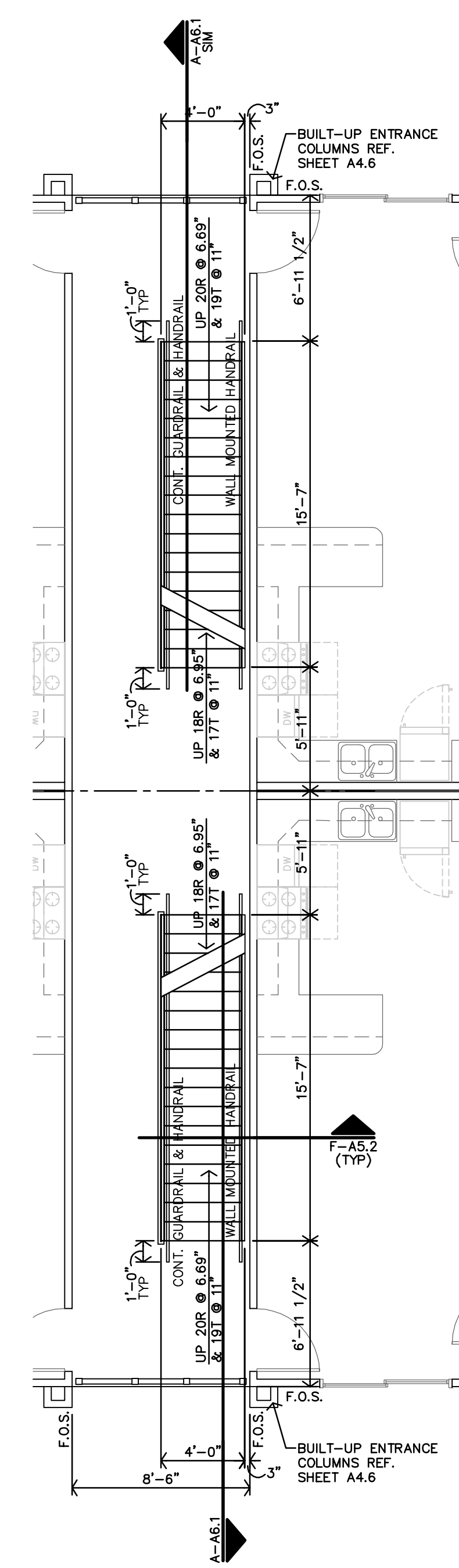
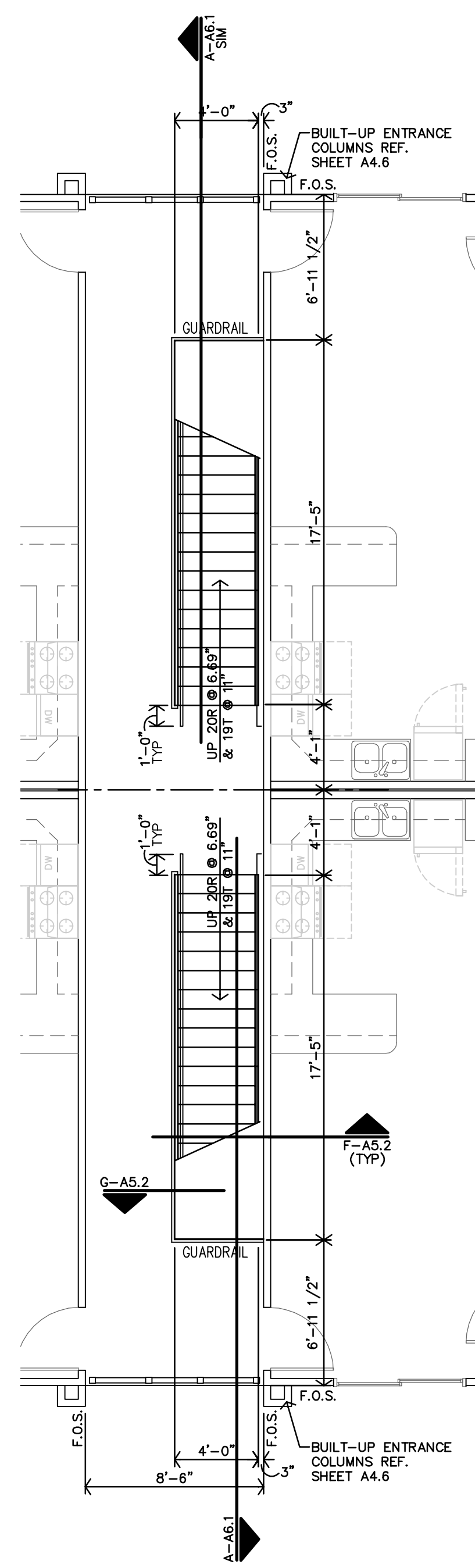
1722 Main Street
Kansas City, MO 64108



REVISION:
12-14-22
DATE:
2-14-2022
JOB:
20-3118
SHEET:

A5.2

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FRAMING SCHEDULE

STUD SPACING					
EXTERIOR WALLS	BREEZEWAY		END WALLS		FRONT WALLS
	DFL	SPF	DFL	SPF	DFL
1. 1st FLOOR	12"O.C.	12"O.C.	12"O.C.	12"O.C.	12"O.C.
2. 2nd FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
3. TOP FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
INTERIOR WALLS	LOAD BEARING		CENTER SEPERATION		SIDE SEPERATION
	DFL	SPF	DFL	SPF	DFL
1. 1st FLOOR	12"O.C.	12"O.C.	16"O.C.	16"O.C.	16"O.C.
2. 2nd FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
3. TOP FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
WALL FRAMING MATERIALS					
A. FIRST FLOOR BOTTOM PLATES:		Y.P., UTILITY GRADE, CCA			
B. ALL OTHER PLATES (TOP & BOTTOM):		S.P.F., UTILITY GRADE OR EQUAL			
C. STUDS:		#2 D.F.L. OR #2 S.P.F. AS SPACED PER SCHEDULE			
D. HEADERS:		#2 Y.P. OR #2 D.F.			

SHEATHING SCHEDULE

SHEATHING		
LOCATIONS	MATERIAL	NOTES
EXTERIOR WALLS (EXCEPT @ SHEAR WALLS)	R6 ZIP SYSTEM R-SHEATHING	1. 1st FLOOR - EN, PN, @ 4"O.C.; IN 12"O.C. W/ 6d COOLER NAILS 2. 2nd & 3rd FLOORS - EN, PN, @ 7"O.C.; IN 12"O.C. W/ 6d COOLER NAILS
INTERIOR WALLS (EXCEPT @ SHEAR WALLS)	5/8" TYPE X G.B.	1. 1st FLOOR - EN, PN, @ 4"O.C.; IN 12"O.C. W/ 6d COOLER NAILS 2. 2nd & 3rd FLOORS - EN, PN, @ 7"O.C.; IN 12"O.C. W/ 6d COOLER NAILS
FLOOR	3/4" T&G PLYWOOD	1. EN, PN, @ 6"O.C. AND IN 12"O.C. W/ 10d NAILS
ROOF	19/32" OSB OR 5/8" C.D.X. PLYWOOD. PROVIDE RADIANT BARRIER AT UNDERSIDE OF DECKING	1. EN, PN, @ 6"O.C. AND IN 12"O.C. W/ 8d NAILS

ABBREVIATIONS
 DFL - DOUGLAS FIR
 SPF - SPRUCE PINE FIR
 Y.P. - YELLOW PINE
 OSB - ORIENTED STRAND BOARD
 EN - EDGE NAILING @ END CONDITIONS
 PN - PERIMETER NAILING, CONDITION WHERE SHEATHING ABUTTS
 IN - INTERIOR PANEL NAILING
 DF - DOUGLAS FIR LARCH

GENERAL FRAMING NOTES

- JAMB STUDS FOR INTERIOR LOAD BEARING WALL OPENING:
 OPENINGS 3'-0" OR LESS 1 STUD + 1 CRIPPLE
 OPENINGS OVER 3'-0" 1 STUD + 1 CRIPPLE 1 STUD + 2 CRIPPLES
- BREEZEWAY BEAM SUPPORT (ROOF AND FLOOR): 2 STUDS
- JAMB STUDS FOR EXTERIOR WALL OPENINGS: 2 STUDS + 1 CRIPPLE
- MULTIPLE STUDS SUPPORTING BEAMS TO CARRY DOWN TO FOUNDATION INCLUDING INTERSTITIAL FLOOR SPACE
- JAMB AND SUPPORT COLUMNS ARE IN ADDITION TO WALL STUDS.
- BUILT-UP JAMBS AND SUPPORT BEAMS TO BE NAILED AS FOLLOWS:
 * (2) 2x4: 8d NAILS AT 9"O.C. MAX. W/ ALTERNATE NAILS ON OPPOSITE SIDES. NAILS STAGGERED WITH 1" EDGE DISTANCE.
 AND 2 1/2" END DISTANCE.
 * 3-2x4: 20d NAILS AT 9"O.C. MAX. W/ ALTERNATE NAILS ON OPPOSITE SIDES. NAILS STAGGERED WITH 1 1/2" END DISTANCE.
 AND 1 1/2" END DISTANCE.
- REF. UNIT PLANS FOR SHEAR WALL AND STRAPPING LOCATIONS. REF. DETAILS FOR REQUIREMENTS.
- SW# DENOTES LOCATIONS OF SHEAR WALLS, SEE DETAILS ON THIS DWG.
- INSTALL 2x6 SPF #2 WOOD STUDS @ 16"O.C. AT PLUMBING WALLS.
 SEE ARCH'L DRAWINGS FOR LOCATIONS.

KEYNOTES

- (2) 2x8 BLOCKING MEMBERS CUT TO FIT BETWEEN 2x4 KNEE WALL W/ STUDS SPACED PER WALL BELOW. END NAIL TOP & BOTTOM PER DETAIL E-S2.3
- 6x6 SPF #2 WOOD COLUMN
- 131 16" DEEP CHORD OPEN WEB TRUSSES @ 24"O.C.
- 2x6 DEEP CHORD OPEN WEB TRUSSES @ 24"O.C.
- 137 2x8 JOISTS @ 16"O.C.
- (4) 2x12 BEAM AT LOCATION SHOWN ON FRAMING PLAN
- (3) 2x12 BEAM AT LOCATION SHOWN ON FRAMING PLAN
- KNEE WALL W/ STUDS SPACED PER SCHEDULE W/ WALL BELOW PROVIDE SHEAR BLOCKING PER DETAIL E-S2.3
- CONTINUOUS 2x4 & 2x2 BAND W/ SHEAR BLOCKING PER DETAIL E-S2.3
- (2) 2x12 BEAM
- TREATED 2x8 FLOOR JOISTS @ 16"O.C.
- (2) 2x12 HEADER W/ 1/2" PLYWOOD SPACER
- (2) 1 3/4x9 1/4 1.7E MICROLAM BY TRUSS JOIST
- INTERIOR LOAD BEARING WALL WHERE INDICATED
- GABLE TRUSS W/ VERTICAL 2x4 SIDING SUPPORTS @ 16"O.C. PROVIDE STIFF-BACK BRACE AT MID-POINT TO INTERIOR PARTITION
- 2x4 OUTRIGGERS @ 24"O.C.
- GIRDER TRUSS
- 22"x36" PREMANUF. ATTIC ACCESS PANEL. UL RATED FOR 1 HOUR FIRE RATED ASSEMBLY. INSTALL PER MANUF.'S INSTRUCTIONS

NOTES

- DIMENSIONS AT EXTERIOR WALL ARE TO FACE OF STUD.
- SEE DRAWING S1.1 FOR GENERAL NOTES.
- PROVIDE SOLID (STACKED) STUDS BELOW ALL WOOD BEAM AND TRUSS GIRDER BEARINGS.
- ALL TRUSS TO TRUSS GIRDER CONNECTIONS BY TRUSS MANUFACTURER.
- WHERE STUDS ARE NOTCHED FOR PLUMBING PIPES AND ELECTRICAL CONDUIT, PROVIDE SIMPSON SS1.5 STUD SHOE OVER NOTCH W/ (2) 10dX1 1/2" NAILS. MAXIMUM SIZE OF CUT NOTCH SHALL BE 2"x2". DRILLED HOLES IN STUDS SHALL BE LOCATED AT THE CENTERLINE OF THE STUD AND 1 1/2" MAXIMUM DIAMETER.
- ATTACH ALL GYPSUM BOARD SHEATHING W/ 6d COOLER NAILS @ 7"O.C. TO ALL SUPPORTS.
- ALL STUDS ARE 2x4
- ATTACH TRUSSES TO SUPPORT WALLS W/ SIMPSON H2.5A TIES.

ROOF TRUSS SCHEDULE

- COMMON ROOF TRUSS
- HIP TRUSS
- JACK TRUSS
- GIRDER TRUSS
- GABLE TRUSS
- OVERLAY TRUSS
- GABLE TRUSS

SHEAR STRAPPING & HOLDOWNS

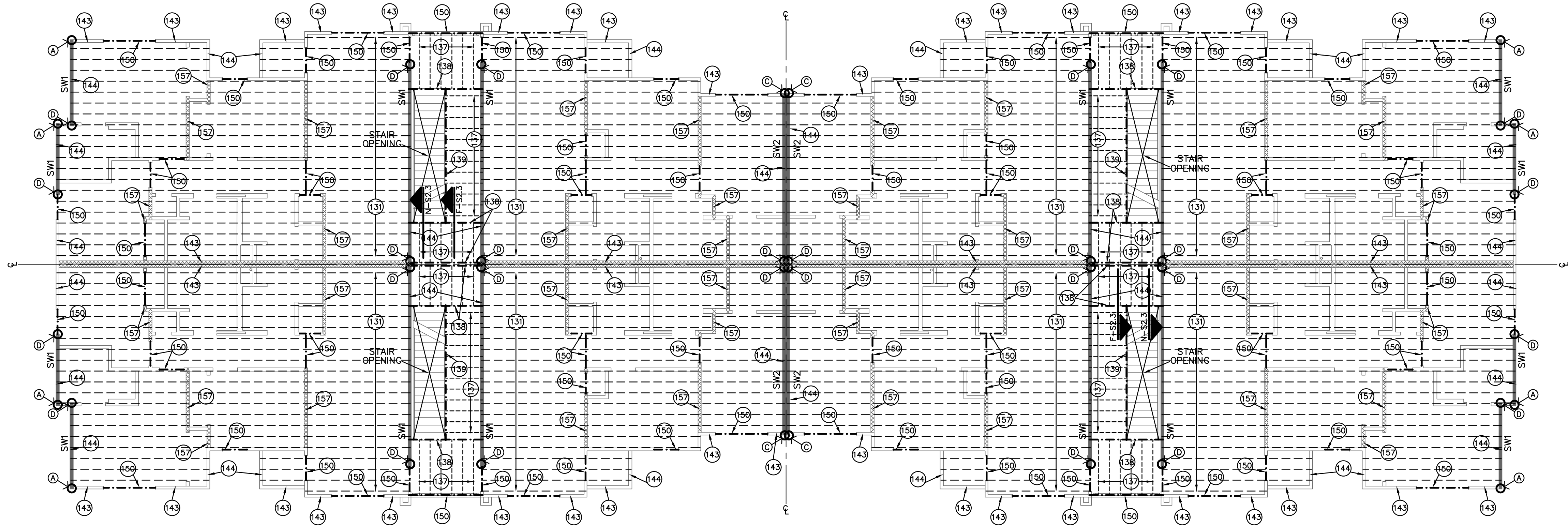
- SIMPSON MST A24 W/ 9-10d NAILS @ EACH END
- SIMPSON HGA 10 W/ 4-SDS 1/4x3" SCREWS @ 32"O.C.
- SIMPSON MST 48 W/ 17-16d NAILS @ EACH END
- SIMPSON HDU4-SDS2.5 W/ 10-SDS 1/4x2 1/2" WOOD SCREWS TOP & BOTTOM W/ 5/8" ANCHOR
- SIMPSON HGA 10 W/ 4-SDS 1/4x3" SCREWS @ 32"O.C. BETWEEN HOLDOWNS
- SIMPSON H6 HURRICANE TIE
- SIMPSON HDU5-SDS2.5 HOLDOWN W/14 SIMPSON SDS 1/4x2 1/2 SCREWS

DESIGN LOADS

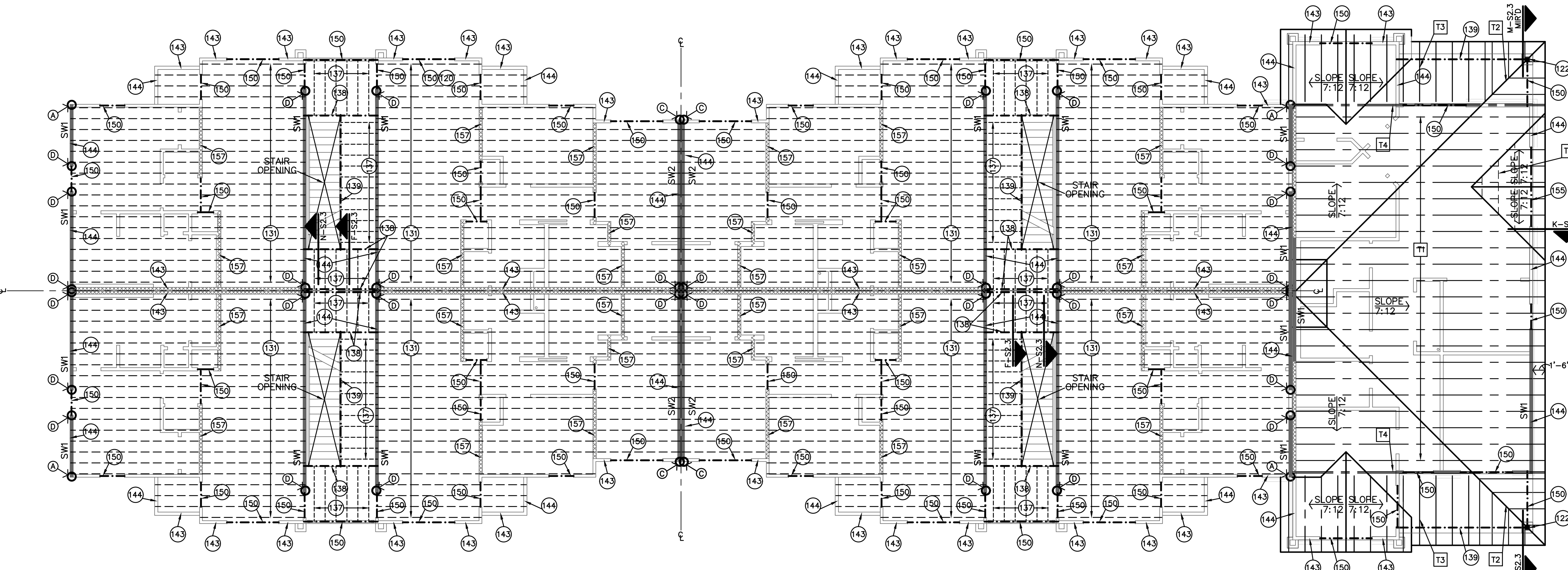
- FLOOR LOADS**
- LIVE LOADS
 DWELLING 40 PSF
 EXITS 100 PSF
- DEAD LOADS
 DWELLING TOP CHORD 25 PSF
 DWELLING BOTTOM CHORD 5 PSF
 BREEZEWAYS 20 PSF
- ROOF LOADS**
- LIVE LOADS
 TOP CHORD 20 PSF
- DEAD LOADS
 TOP CHORD 20 PSF
 BOTTOM CHORD 10 PSF

BUILDING LEGEND

- INDICATES SHEAR WALL LOCATIONS
 (SEE SECTIONS AND SHEAR WALL DETAILS FOR REQUIREMENTS) SHOWN ON ROOF FRAMING PLAN AND FLOOR FRAMING PLAN
- INDICATES INTERIOR LOAD BEARING WALLS
 SHOWN ON FLOOR FRAMING PLAN



SECOND FLOOR FRAMING PLAN - BUILDING B
 1/8"=1'-0"



FRAMING SCHEDULE

STUD SPACING					
EXTERIOR WALLS	BREEZEWAY		END WALLS		FRONT WALLS
	DFL	SPF	DFL	SPF	DFL SPF
1. 1st FLOOR	12"O.C.	12"O.C.	12"O.C.	12"O.C.	12"O.C.
2. 2nd FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
3. TOP FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
INTERIOR WALLS	LOAD BEARING		CENTER SEPERATION		SIDE SEPERATION
	DFL	SPF	DFL	SPF	DFL SPF
1. 1st FLOOR	12"O.C.	12"O.C.	16"O.C.	16"O.C.	16"O.C.
2. 2nd FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
3. TOP FLOOR	16"O.C.	16"O.C.	16"O.C.	16"O.C.	16"O.C.
WALL FRAMING MATERIALS					
A. FIRST FLOOR BOTTOM PLATES:		Y.P., UTILITY GRADE, CCA			
B. ALL OTHER PLATES (TOP & BOTTOM):		S.P.F., UTILITY GRADE OR EQUAL			
C. STUDS:		#2 D.F.L. OR #2 S.P.F. AS SPACED PER SCHEDULE			
D. HEADERS:		#2 Y.P. OR #2 D.F.			

SHEATHING SCHEDULE

SHEATHING		
LOCATIONS	MATERIAL	NOTES
EXTERIOR WALLS (EXCEPT @ SHEAR WALLS)	R6 ZIP SYSTEM R-SHEATHING	1. 1st FLOOR - EN, PN, @ 4"O.C.; IN 12"O.C. W/ 6d COOLER NAILS 2. 2nd & 3rd FLOORS - EN, PN, @ 7"O.C.; IN 12"O.C. W/ 6d COOLER NAILS
INTERIOR WALLS (EXCEPT @ SHEAR WALLS)	5/8" TYPE X G.B.	1. 1st FLOOR - EN, PN, @ 4"O.C.; IN 12"O.C. W/ 6d COOLER NAILS 2. 2nd & 3rd FLOORS - EN, PN, @ 7"O.C.; IN 12"O.C. W/ 6d COOLER NAILS
FLOOR	3/4" T&G PLYWOOD	1. EN, PN, @ 6"O.C. AND IN 12"O.C. W/ 10d NAILS
ROOF	19/32" OSB OR 5/8" C.D.X. PLYWOOD. PROVIDE RADIANT BARRIER AT UNDERSIDE OF DECKING	1. EN, PN, @ 6"O.C. AND IN 12"O.C. W/ 8d NAILS

ABBREVIATIONS
DF DOUGLAS FIR
SPF SPRUCE PINE FIR
Y.P. YELLOW PINE
OSB ORIENTED STRAND BOARD
EN EDGE NAILING @ END CONDITIONS
PN PERIMETER NAILING, CONDITION WHERE SHEATHING ABUTTS
IN INTERIOR PANEL NAILING
DF DOUGLAS FIR LARCH

GENERAL FRAMING NOTES

- JAMB STUDS FOR INTERIOR LOAD BEARING WALL OPENING:
SUPPORTING 1 FLOOR SUPPORTING 2 FLOOR
OPENINGS 3'-0" OR LESS 1 STUD + 1 CRIPPLE 1 STUD + 1 CRIPPLE
OPENINGS OVER 3'-0" 1 STUD + 1 CRIPPLE 1 STUD + 2 CRIPPLES
- BREEZEWAY BEAM SUPPORT (ROOF AND FLOOR): 2 STUDS
- JAMB STUDS FOR EXTERIOR WALL OPENINGS: 2 STUDS + 1 CRIPPLE
- MULTIPLE STUDS SUPPORTING BEAMS TO CARRY DOWN TO FOUNDATION
INCLUDING INTERSTITIAL FLOOR SPACE
- JAMB AND SUPPORT COLUMNS ARE IN ADDITION TO WALL STUDS.
- BUILT-UP JAMBS AND SUPPORT BEAMS TO BE NAILED AS FOLLOWS:
* (2) 2x4: 8d NAILS AT 9"O.C. MAX. W/ ALTERNATE NAILS ON
OPPOSITE SIDES. NAILS STAGGERED WITH 1" EDGE DISTANCE.
AND 2 1/2" END DISTANCE.
* 3-2x4: 20d NAILS AT 9"O.C. MAX. W/ ALTERNATE NAILS ON
OPPOSITE SIDES. NAILS STAGGERED WITH 1 1/2" END DISTANCE.
AND 1 1/2" END DISTANCE.
- REF. UNIT PLANS FOR SHEAR WALL AND STRAPPING LOCATIONS. REF.
DETAILS FOR REQUIREMENTS.
- SW# DENOTES LOCATIONS OF SHEAR WALLS, SEE DETAILS ON THIS DWG.
- INSTALL 2x6 SPF #2 WOOD STUDS @ 16"O.C. AT PLUMBING WALLS.
SEE ARCH'L DRAWINGS FOR LOCATIONS.

KEYNOTES

- (2) 2x8 BLOCKING MEMBERS CUT TO FIT BETWEEN
2x4 KNEE WALL W/ STUDS SPACED PER WALL BELOW.
END NAIL TOP & BOTTOM PER DETAIL E-S2.3
- 6x6 SPF #2 WOOD COLUMN
- 16" DEEP CHORD OPEN WEB TRUSSES @ 24"O.C.
- 2x8 DEEP CHORD OPEN WEB TRUSSES @ 24"O.C.
- 137 2x8 JOISTS @ 16"O.C.
- (4) 2x12 BEAM AT LOCATION SHOWN ON FRAMING
PLAN
- (3) 2x12 BEAM AT LOCATION SHOWN ON FRAMING
PLAN
- KNEE WALL W/ STUDS SPACED PER SCHEDULE W/
WALL BELOW PROVIDE SHEAR BLOCKING PER DETAIL
E-S2.3
- CONTINUOUS 2x4 & 2x2 BAND W/ SHEAR BLOCKING
PER DETAIL E-S2.3
- (2) 2x12 BEAM
- TREATED 2x8 FLOOR JOISTS @ 16"O.C.
- (2) 2x12 HEADER W/ 1/2" PLYWOOD SPACER
- 1 3/4x9 1/4 1.7E MICROLAM BY TRUSS JOIST
- INTERIOR LOAD BEARING WALL WHERE INDICATED
- GABLE TRUSS W/ VERTICAL 2x4 SIDING SUPPORTS
@ 16"O.C. PROVIDE STIFF-BACK BRACE AT MID-POINT
TO INTERIOR PARTITION
- 2x4 OUTRIGERS @ 24"O.C.
- GIRDER TRUSS
- 22"x36" PREMANUF. ATTIC ACCESS PANEL. UL
RATED FOR 1 HOUR FIRE RATED ASSEMBLY. INSTALL
PER MANUF.'s INSTRUCTIONS

NOTES

- DIMENSIONS AT EXTERIOR WALL ARE TO FACE OF STUD.
- SEE DRAWING S1.1 FOR GENERAL NOTES.
- PROVIDE SOLID (STACKED) STUDS BELOW ALL WOOD BEAM
AND TRUSS GIRDER BEARINGS.
- ALL TRUSS TO TRUSS GIRDER CONNECTIONS BY TRUSS
MANUFACTURER.
- WHERE STUDS ARE NOTCHED FOR PLUMBING PIPES AND
ELECTRICAL CONDUIT, PROVIDE SIMPSON SS1.5 STUD SHOE
OVER NOTCH W/ 1(2) 10dX1 1/2" NAILS. MAXIMUM SIZE OF
CUT NOTCH SHALL BE 2"x2". DRILLED HOLES IN STUDS
SHALL BE LOCATED AT THE CENTERLINE OF THE STUD AND
1 1/2" MAXIMUM DIAMETER.
- ATTACH ALL GYPSUM BOARD SHEATHING W/ 6d COOLER
NAILS @ 7"O.C. TO ALL SUPPORTS.
- ALL STUDS ARE 2x4
- ATTACH TRUSSES TO SUPPORT WALLS W/ SIMPSON
H2.5A TIES.

ROOF TRUSS SCHEDULE

- COMMON ROOF TRUSS
- HIP TRUSS
- JACK TRUSS
- GIRDER TRUSS
- GABLE TRUSS
- OVERLAY TRUSS
- GABLE TRUSS

SHEAR STRAPPING & HOLDOWNS

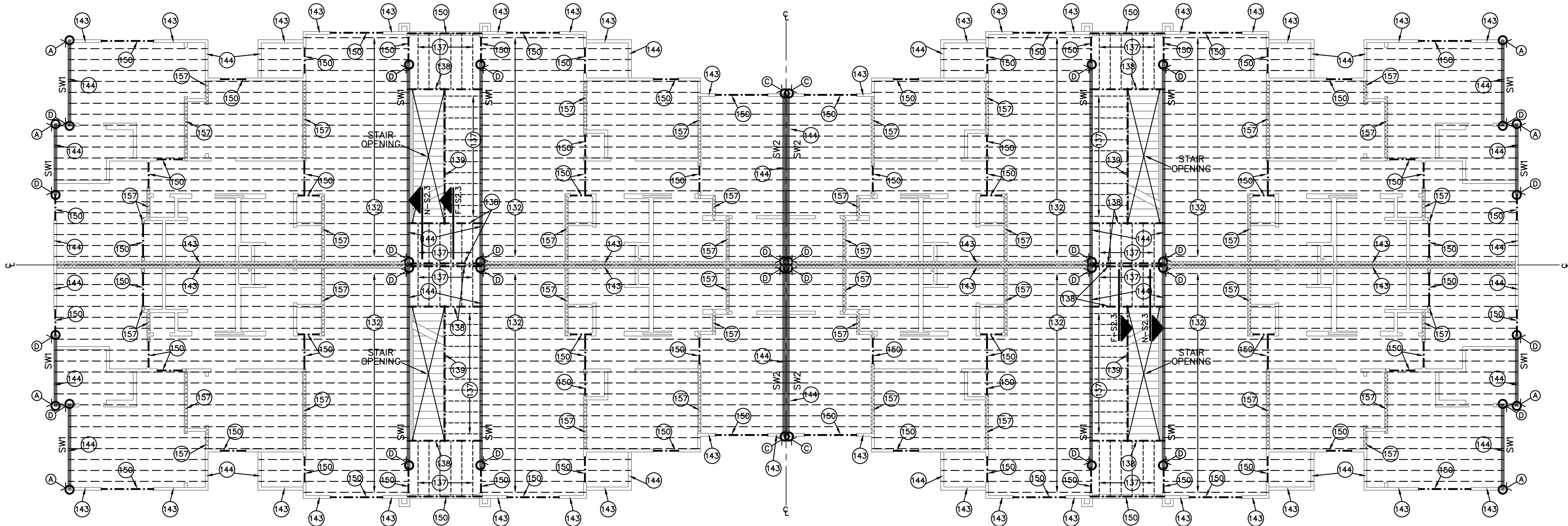
- SIMPSON MST A24 W/ 9-10d NAILS @ EACH END
- SIMPSON HGA 10 W/ 4-SDS 1/4x3" SCREWS @ 32"O.C.
- SIMPSON MST 48 W/ 17-16d NAILS @ EACH END
- SIMPSON HDU4-SDS2.5 W/ 10-SDS 1/4x2 1/2" WOOD
SCREWS TOP & BOTTOM W/ 5/8" ANCHOR
- SIMPSON HGA 10 W/ 4-SDS 1/4x3" SCREWS @ 32"
O.C. BETWEEN HOLDOWNS
- SIMPSON H6 HURRICANE TIE
- SIMPSON HDU5-SDS2.5 HOLDOWN W/14 SIMPSON
SDS 1/4x2 1/2 SCREWS

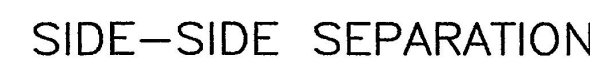
DESIGN LOADS

FLOOR LOADS	ROOF LOADS
LIVE LOADS	LIVE LOADS
DWELLING 40 PSF	TOP CHORD 20 PSF
EXITS 100 PSF	
	DEAD LOADS
	TOP CHORD 20 PSF
	DWELLING BOTTOM CHORD 5 PSF
	BREEZEWAYS 20 PSF

BUILDING LEGEND

- INDICATES SHEAR WALL LOCATIONS
(SEE SECTIONS AND SHEAR WALL DETAILS
FOR REQUIREMENTS) SHOWN ON ROOF
FRAMING PLAN AND FLOOR FRAMING PLAN
- INDICATES INTERIOR LOAD BEARING WALLS
SHOWN ON FLOOR FRAMING PLAN





PRE-FABRICATED FLOOR & ROOF TRUSS PERFORMANCE SPECIFICATION

PRE-FABRICATED FLOOR & ROOF TRUSS

- A. TOP AND BOTTOM CHORDS OF TRUSSES SHALL COMPLY WITH THE DIMENSIONS AND SLOPE OF ROOF AS SHOWN ON THE DRAWINGS. INTERNAL WEB CONFIGURATIONS AND ALL MEMBER SIZES, UNLESS OTHERWISE NOTED, ARE AT THE MANUFACTURER'S OPTION. COORDINATE W/ MECHANICAL DUCTWORK.
- B. THE STRUCTURAL DESIGN OF THE TRUSSES, AS WELL AS TRUSS TO TRUSS CONNECTIONS, SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER, AS A MINIMUM, FOR THE LOADING AND DEFLECTION CRITERIA SPECIFIED HEREIN AS WELL AS APPLICABLE REQUIREMENTS OF THE IBC.
- C. PROVIDE CONTINUOUS HORIZONTAL BRIDGING AND BRACING AS REQUIRED BY THE MANUFACTURER'S DESIGN.
- D. ~~SUBMITTALS~~:
 PROVIDE SHOP DRAWINGS DEPICTING PLAN LAYOUT OF TRUSSES AND BRIDGING, AND DETAILING TRUSS CONFIGURATION, MEMBER SIZES, FORCES, REACHES AND PRESTRESSING. THE TRUSS MANUFACTURER'S CONNECTION CAPACITIES, SHOP DRAWINGS SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE DESIGN CRITERIA IS AS SHOWN ON THESE DRAWINGS. SHALL BE REPEATED FOR THE SHOP DRAWINGS.

DESIGN CRITERIA:

FLOOR:

- TOP CHORD:
FLOOR DEAD LOAD = 25 PSF
FLOOR LIVE LOAD = 40 PSF • RESIDENTIAL, 100 PSF • CORRIDORS & EXITS,
- BOTTOM CHORD:
FLOOR DEAD LOAD = 5 PSF
- ROOF:
- TOP CHORD:
ROOF DEAD LOAD = 20 PSF
ROOF LIVE LOAD = 20 PSF
ROOF SNOW LOAD = 20 PSF (APPLIED ROOF SNOW NEED NOT BE
CONSIDERED SIMULTANEOUSLY WITH ROOF LIVE LOAD
(ROOF AND CEILING DEAD LOADS SHALL BE
LIMITED TO 50% OF THE VALUES SHOWN, WHEN
CALCULATING NET WIND UPLIFT LOADING))
- BOTTOM CHORD:
CEILING DEAD LOAD = 10 PSF
CEILING LIVE LOAD = 10 PSF

DEFLECTION:

MAXIMUM ALLOWABLE DEFLECTION SHALL BE LESS THAN $L/240$ FOR TOTAL LOAD, AND $L/360$ FOR LIVE LOAD FOR ROOF MEMBERS AND $L/480$ FOR LIVE LOAD FOR FLOOR MEMBERS. L SHALL BE TAKEN AS THE OVERALL SPAN, AS WELL AS THE SPAN BETWEEN PANEL POINTS OF THE TOP CHORD AND THE BOTTOM CHORD.

