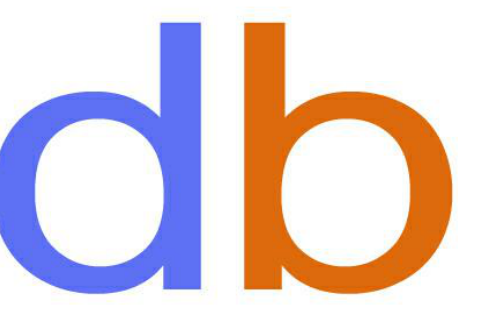
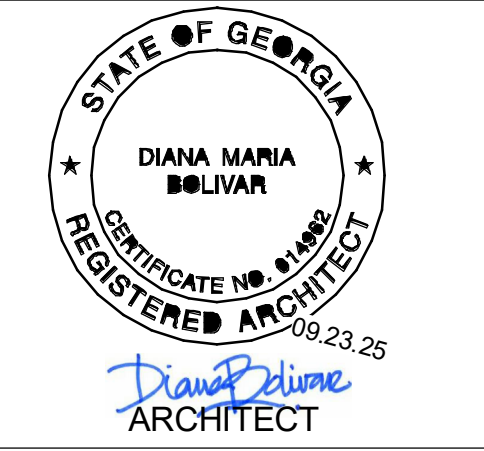


AREA PLANS



diana bolivar
NCARB, LEED AP BD + C
110 Rockhound Drive,
Dahlonega, GA 30533



CONSULTANTS

295 Karen Drive
MADEWELL HOMES
Alpharetta, GA

Revision Schedule

#	Date	Description
5	01.20.26	Client Revisions
6	04.01.26	Bonus Rm. revs

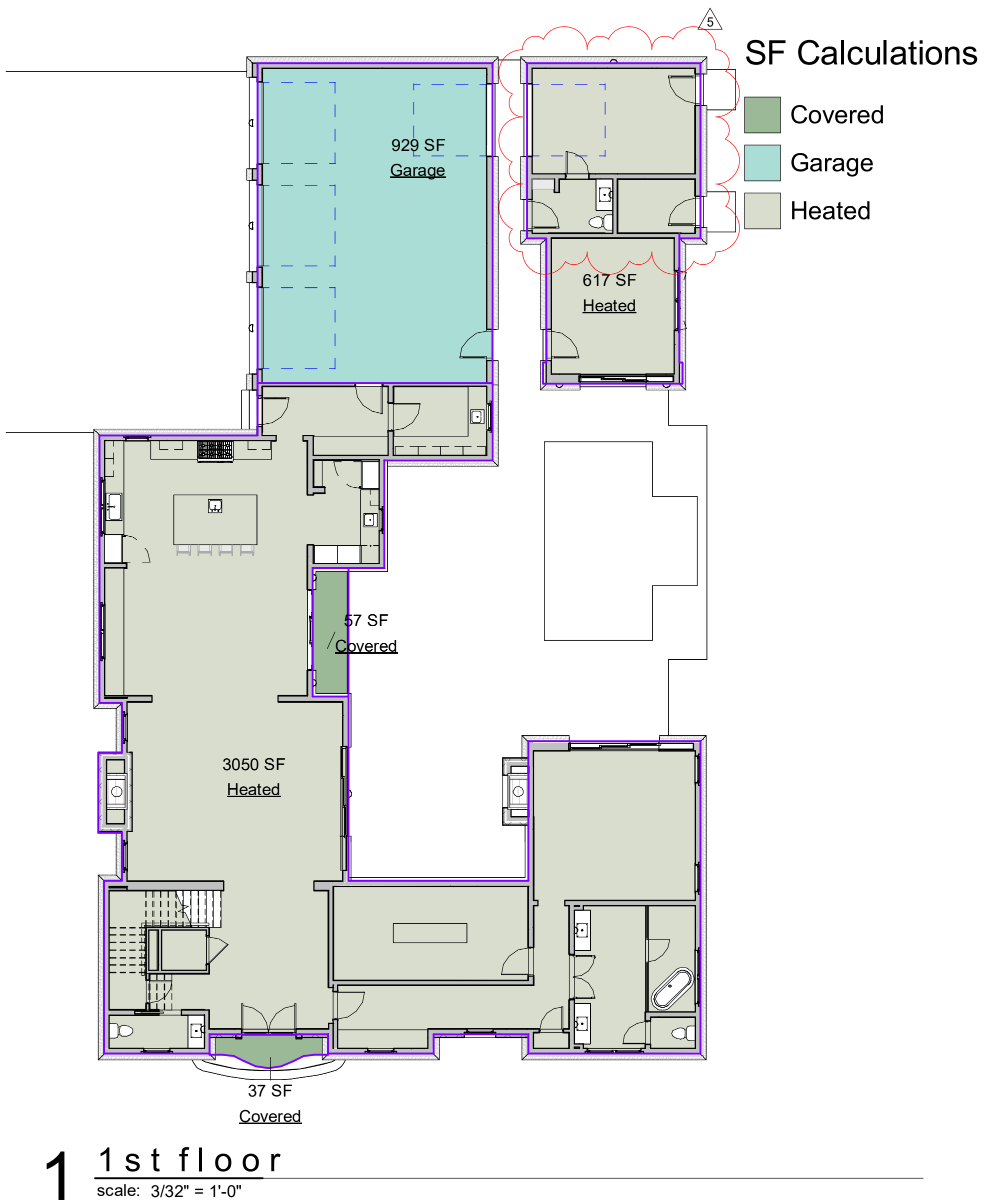
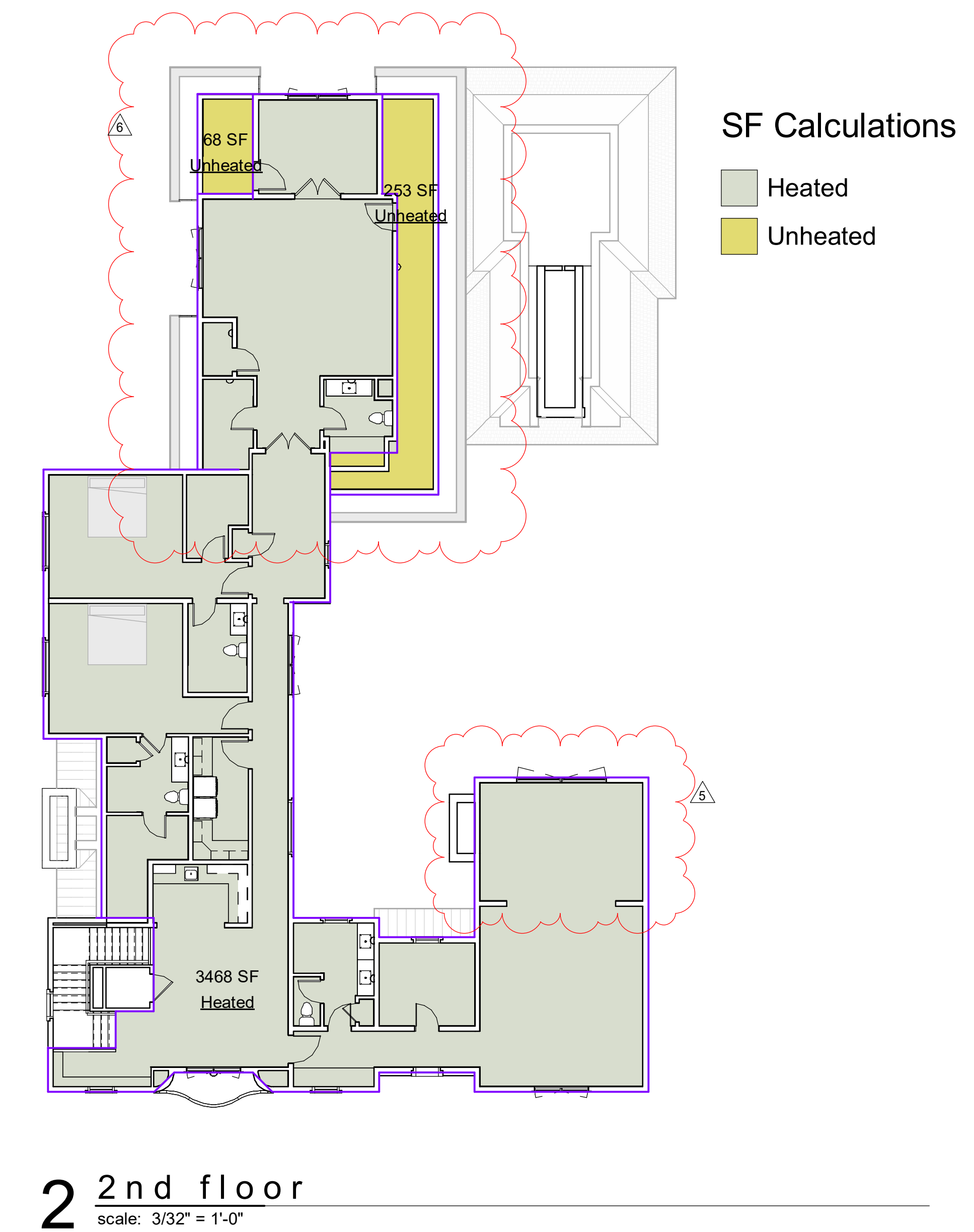
COVER SHEET

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By ty

C.1

Scale As indicated

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LEGEND

DRAWING NUMBER
A-521
SHEET NUMBER
DRAWING SERIES
DISCIPLINE LETTER

DRAWING TITLE
FLOOR PLAN
DRAWING TITLE
DRAWING SCALE
1/8" = 1'-0"

WALL / BUILDING SECTION MARKER
DIRECTION OF VIEW
WALL / BUILDING SECTION NUMBER
END OF VIEW
WALL / BUILDING REFERENCE LINE WITH DIRECTIONAL TAIL
WALL / BUILDING SECTION SHEET NUMBER

DETAIL / ENLARGED PLAN MARKER
DETAIL BUBBLE OUTLINE
CONNECTION LINE
DETAIL NUMBER
DETAIL SHEET LOCATION

ELEVATION TAG
ELEVATION NUMBER
DIRECTION OF VIEW
ELEVATION SHEET NUMBER

VERTICAL ELEVATION MARKER
GEODETIC MARKER
INDICATES FLOOR LEVEL
LEVEL 2
FLOOR LEVEL ELEVATION

DIMENSIONS
DIMENSION TO GRIDLINE
DIMENSION TO FACE OF MASONRY WALL
DIMENSION TO CENTRELINE OF STUD WALL

BREAKLINE

DRAWING REVISIONS
REVISION CLOUD
REVISION NUMBER
DELTA

3D VIEW



ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	F.E.C.	FIRE EXTINGUISHER CABINET	P.T.	PRESSURE TREATED	VERT.	VERTICAL
A.C.T.	ACOUSTICAL CEILING TILE	F.D.	FLOOR DRAIN	PTD.	PAINTED	V.C.T.	VINYL COMPOSITION TILE
ALUM.	ALUMINUM	FTG.	FOOTING	Q.T.	QUARRY TILE	V.V.C.	VINYL WALLCOVERING
APPROX.	APPROXIMATELY	GA.	GAUGE	REINF.	REINFORCED		
C.P.T.	CARPET	G.W.B.	GYPHUM WALL BOARD	R.D.	ROOF DRAIN		
C.I.	CAST IRON	HWWD.	HARDWOOD	R.L.	ROOF LEADER		
C.B.	CEMENT BOARD	F-X	HOLLOW METAL DOOR FRAME TYPE	R.O.	ROUGH OPENING		
CT.	CERAMIC TILE	LB.	POUND	R.B.	RUBBER BASE		
C.O.	CLEAN OUT	LN.	LINOLEUM	SEAL.	SEALED CONCRETE		
CONC.	CONCRETE	L-X	LINTEL NUMBER	S.L.T.	SLATE TILE		
C.M.U.	CONCRETE MASONRY UNIT	MECH.	MECHANICAL	S.S.M.	SOLID SURFACE MATERIAL		
CONT.	CONTINUOUS	M.O.	MASONRY OPENING	SQ.	SQUARE		
C-I	CONTROL JOINT	M.W.X	MILLWORK ITEM NUMBER	S.S.	STAINLESS STEEL		
C.MRBL.	CULTURED MARBLE	MRGW	MOISTURE RESISTANT G.W.B.	S.T.	STAIR TREAD		
DIA.	DIAMETER	O.C.	ON CENTER	S.C.	STAMPED CONCRETE		
D.S.	DOWN SPOUT	O.H.	OVER HANG	STRUCT.	STRUCTURAL		
DWGS.	DRAWINGS	PCT	PORCELAIN TILE	T-X	THRESHOLD TYPE		
E.W.C.	ELECTRIC WATER COOLER	OPP.	OPPOSITE HAND	T.P.	TOILET PARTITION		
EXP. JT.	EXPANSION JOINT	P.LAM.	PLASTIC LAMINATE	T.O.M.	TOP OF MASONRY		
EXT.GWB	EXT. GYPHUM WALL BOARD	PNT-X	PAIN T COLOR	T.O.S.	TOP OF STEEL		
F.R.P.	FIBERGLASS REINFORCED POLYESTER	POLY	POLYETHYLENE	TYP.	TYPICAL DETAIL		

AREA CALCULATION

Area Schedule (Gross Building)	
Name	Area
Unheated	321 SF
Heated	7135 SF
Garage	929 SF
Covered	94 SF
Grand total	8479 SF

BUILDING CODES

International Building Code 2018 Edition
International Residential Code 2018 Edition
International Plumbing Code 2018 Edition
International Mechanical Code 2018 Edition
International Fuel Gas Code 2018 Edition
International Energy Conservation Code 2015 Edition
International Fire Code 2018 Edition
National Electrical Code 2020 Edition
International Swimming Pool and Spa Code 2018 Edition

DRAWING INDEX

1.0	FOUNDATION PLAN
1.1	FIRST FLOOR PLAN
1.2	SECOND FLOOR PLAN
1.3	ROOF PLAN
1.4	REFLECTED CEILING PLANS
2.0	BUILDING ELEVATIONS
2.1	BUILDING ELEVATIONS
2.2	BUILDING ELEVATIONS
3.0	BUILDING SECTIONS
3.1	BUILDING SECTIONS
4.0	3D VIEWS
4.1	3D VIEWS
6.0	WALL SECTIONS
6.1	WALL SECTIONS
C.1	COVER SHEET
GN1	GENERAL / STRUCTURAL NOTES
GN2	GENERAL / STRUCTURAL DTLS.
GN3	GENERAL / STRUCTURAL NOTES

1 FOUNDATION

scale: 1/4" = 1'-0"

1. DIMENSIONS ARE TO FACE OF STUD. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. COORDINATE SLAB BLOCK-OUTS, PENETRATIONS, AND SLOPED SLAB AREA WITH ARCHITECTURAL & MEP DRAWINGS.
3. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALL LOCATIONS.
4. FFE = FINISH FLOOR ELEVATION
TOS = TOP OF SLAB
5. PROVIDE CONTROL JOINTS IN SLAB PER STRUCTURAL DETAILS. COORDINATE LOCATION WITH ARCHITECTURAL FINISHES. DO NOT LOCATE CONTROL JOINTS IN THICKENED SLAB FOOTINGS.



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Revision Schedule

#	Date	Description

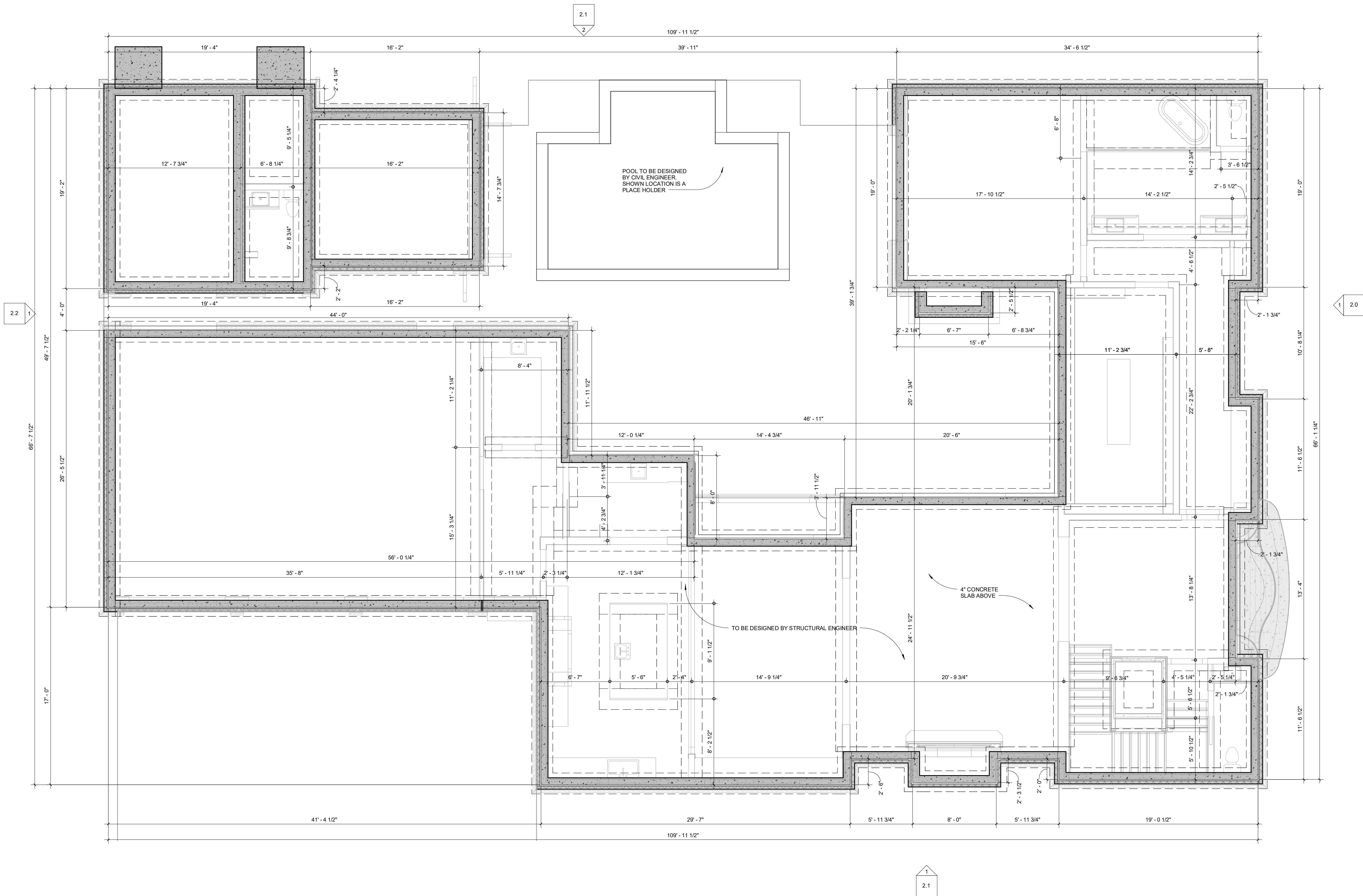
FOUNDATION PLAN

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

1.0

Scale As indicated

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Revision Schedule		
#	Date	Description
4	11.05.25	Pocket doors
5	01.20.26	Client Revisions

FIRST FLOOR PLAN

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

1.1
Scale As indicated

GENERAL PLAN NOTES

- DRAWINGS ARE NOT TO BE SCALED; DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
- ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD, UNLESS OTHERWISE NOTED.
- ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD, UNLESS OTHERWISE NOTED.
- ALL INTERIOR WALLS ARE ASSUMED TO BE 5 1/2" WOOD STUDS; UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WALLS ARE ASSUMED TO BE 5 1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING); UNLESS OTHERWISE NOTED.
- ALL FIRST FLOOR FRAMING TO BE ON A CONCRETE SLAB, U.N.O.
- ALL ROOF FRAMING TO BE 2X8 JOISTS; UNLESS OTHERWISE NOTED.
- ALL DOORS TO BE CENTERED, UNLESS OTHERWISE NOTED.
- PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
- ALL CABINETRY TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED).
- ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECT.
- NUMBER OF EXTERIOR RISERS TO BE FIELD VERIFIED; AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HANDRAIL WILL ALSO BE REQUIRED.
- PROVIDE TERMITE CHEMICAL AT FOUNDATION; AS REQUIRED.
- MIN. 22 1/2"(w)x54 1/2"(h) ATTIC ACCESS DOOR W/ PULL DOWN LADDER TO BE DETERMINED ON SITE.
- HVAC RETURNS TO BE DETERMINED ON SITE.
- ALL COUNTERTOPS TO BE 36" A.F.F.; UNLESS OTHERWISE NOTED.
- ALL DOORS TO BE 8'-0" HIGH UNLESS OTHERWISE NOTED.
- ALL CASED OPENINGS TO BE 10" IN THE FIRST FLOOR U.N.O.
- ALL WINDOWS IN FIRST FLOOR TO BE AT 10' HIGH, U.N.O.
- LAUNDRY AND BATHROOMS TO HAVE TILE FLOOR.
- ALL WINDOWS AND DOORS LEADING TO COURTYARD/POOL TO HAVE ALARMS.
- ALL SHOWERS TO BE ZERO ENTRY.

FIRST FLOOR NOTES

- ALL FIRST FLOOR LOAD BEARING HEADERS TO BE 2-2X10'S U.N.O. INSTALL A MINIMUM OF (3) 2X4 STUD UNDER ALL BEAMS, LVL OR BUILT-UP AT THE FIRST FLOOR LEVEL U.N.O.
- INSTALL DOUBLE JOIST UNDER ALL PARALLEL PARTITION WALLS U.N.O.
- ALL POINT LOADS FROM THE SECOND FLOOR MUST BE TRANSFERRED DOWN THROUGH TO THE FIRST FLOOR WITH THE SAME AMOUNT OF STUDS.

WALL STUD REQUIREMENTS

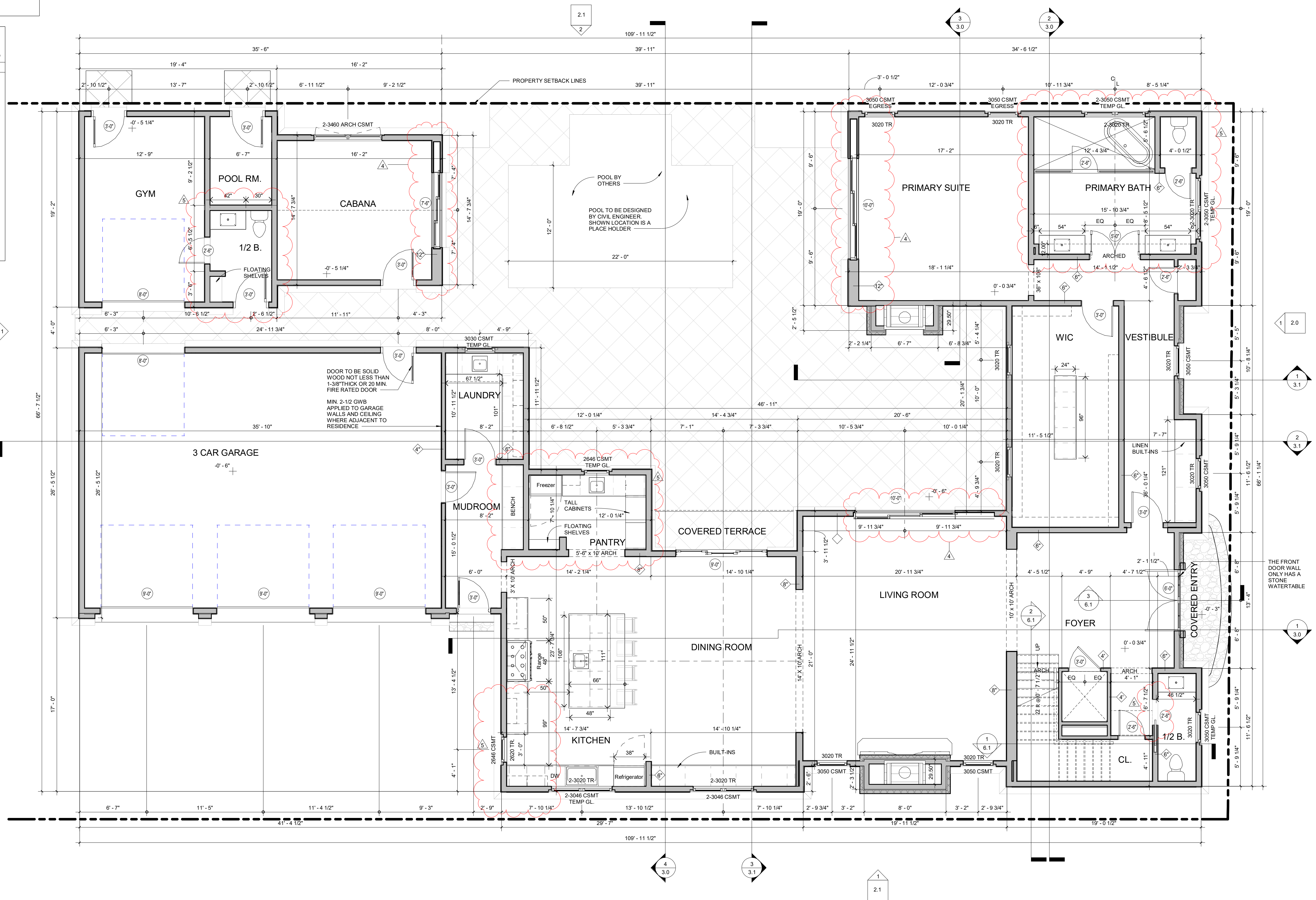
EXT. WALL HT. (ft)	STUD SIZE & SPACING
h < 10'-0"	2X4 @ 16" O.C
10'-0" < h < 11'-0"	2X4 @ 12" O.C
10'-0" < h < 11'-0"	2X6 @ 16" O.C
h > 18'-0"	CONSULT ENGINEER

TYPICAL HANGERS FOR JOIST AND BEAMS

MEMBER	HANGER
2 x 8	LUS28
2 x 10	LUS210
2 x 12	LUS210
2 - 2 x 8	HUS28-2
2 - 2 x 10	HUS210-2
2 - 2 x 12	HUS212-2
3 - 2 x 8	LUS28-3
3 - 2 x 10	LUS210-3
3 - 2 x 12	HU212-3 MIN
2-13/4" x 9 1/4" LVL	HGUS410
2-13/4" x 9 1/2" LVL	HGUS410
2-13/4" x 11 1/4" LVL	HGUS412
2-13/4" x 11 1/2" LVL	HGUS412
2-13/4" x 14" LVL	HGUS414
2-13/4" x 16" LVL	HGUS414
2-13/4" x 18" LVL	HGUS414
3-13/4" x 9 1/4" LVL	HGUS550/10
3-13/4" x 9 1/2" LVL	HGUS550/10
3-13/4" x 11 1/4" LVL	HGUS550/10
3-13/4" x 11 1/2" LVL	HGUS550/10
3-13/4" x 14" LVL	HGUS550/10
3-13/4" x 16" LVL	HGUS550/10
3-13/4" x 18" LVL	HGUS550/10
4-13/4" x 9 1/4" LVL	HGUS725/10
4-13/4" x 9 1/2" LVL	HGUS725/10
4-13/4" x 11 1/4" LVL	HGUS725/10
4-13/4" x 11 1/2" LVL	HGUS725/10
4-13/4" x 14" LVL	HGUS725/10
4-13/4" x 16" LVL	HGUS725/10
4-13/4" x 18" LVL	HGUS725/10

* ALL HANGERS BY SIMPSON STRONG-TIE CO., INC. (BRAND-NAME EQUIVALENTS ACCEPTABLE)

1 first floor
scale: 1/4" = 1'-0"



Revision Schedule

#	Date	Description
4	11.05.25	Pocket doors
5	01.20.26	Client Revisions

FIRST FLOOR PLAN

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

1.1
Scale As indicated

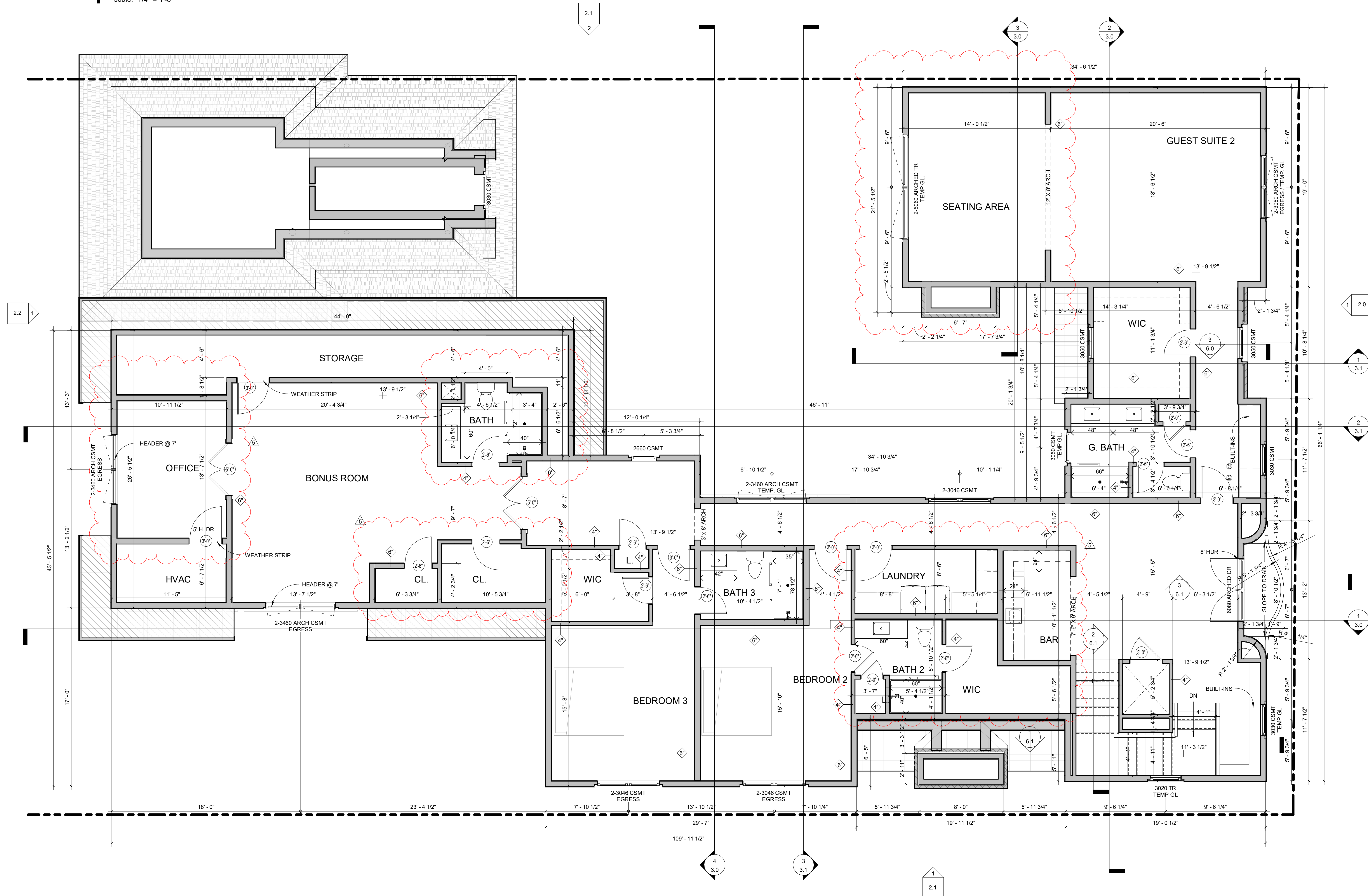
GENERAL PLAN NOTES

- DRAWINGS ARE NOT TO BE SCALED; DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
- ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD; UNLESS OTHERWISE NOTED.
- ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD; UNLESS OTHERWISE NOTED.
- ALL INTERIOR WALLS ARE ASSUMED TO BE 3 1/2" WOOD STUDS; UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WALLS ARE ASSUMED TO BE 5 1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING); UNLESS OTHERWISE NOTED.
- ALL SECOND FLOOR FRAMING TO BE 18" TJI PRO JOISTS; UNLESS OTHERWISE NOTED. SEE STRUCTURAL DRAWINGS.
- ALL DOORS TO BE CENTERED; UNLESS OTHERWISE NOTED.
- PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
- ALL CABINETS TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED).
- ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECT.
- MIN. 22 1/2"(w)x4 1/2"(h) ATTIC ACCESS DOOR W/ PULL DOWN LADDER TO BE DETERMINED ON SITE.
- HVAC RETURNS TO BE DETERMINED ON SITE.
- ALL COUNTERTOPS TO BE 36" AFF; UNLESS OTHERWISE NOTED.
- ALL WINDOWS, DOORS AND CASE OPENINGS TO BE 7'-0" HIGH UNLESS OTHERWISE NOTED.
- LAUNDRY AND BATHROOMS TO HAVE TILE FLOOR.
- ALL SHOWERS TO BE ZERO ENTRY.

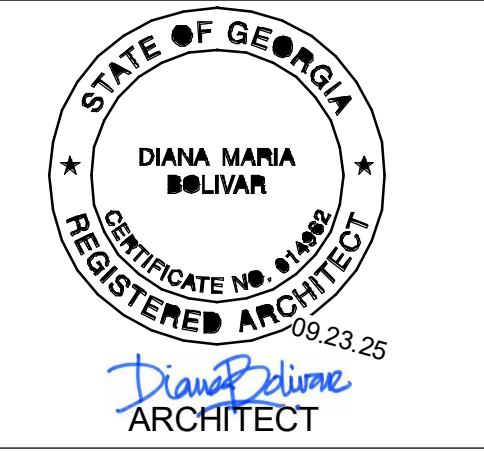
SECOND FLOOR NOTES

- ALL CEILING FRAMING TO BE 2X8'S @ 16" ON CENTER U.N.O ALL FIRST FLOOR LOAD BEARING HEADERS TO BE 2-2X10'S U.N.O.
- ALL SECOND LEVEL LOAD BEARING HEADERS TO BE 2-2X8'S U.N.O.
- INSTALL A MINIMUM OF (2) 2X4 STUD UNDER ALL BEAMS, LVL OR BUILT-UP ALL POINT LOADS FROM THE SECOND FLOOR MUST BE ON THE SECOND LEVEL U.N.O.

1 2nd floor
scale: 1/4" = 1'-0"



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Alpharetta, GA

Revision Schedule

#	Date	Description
5	01.20.26	Client Revisions

SECOND FLOOR PLAN

Project Number 23-024

Date 03.03.26

Drawn By dmb

Checked By Checker

1.2

Scale As indicated

2 ROOF FRAMING PLAN NOTES
 scale: 1/2" = 1'-0"

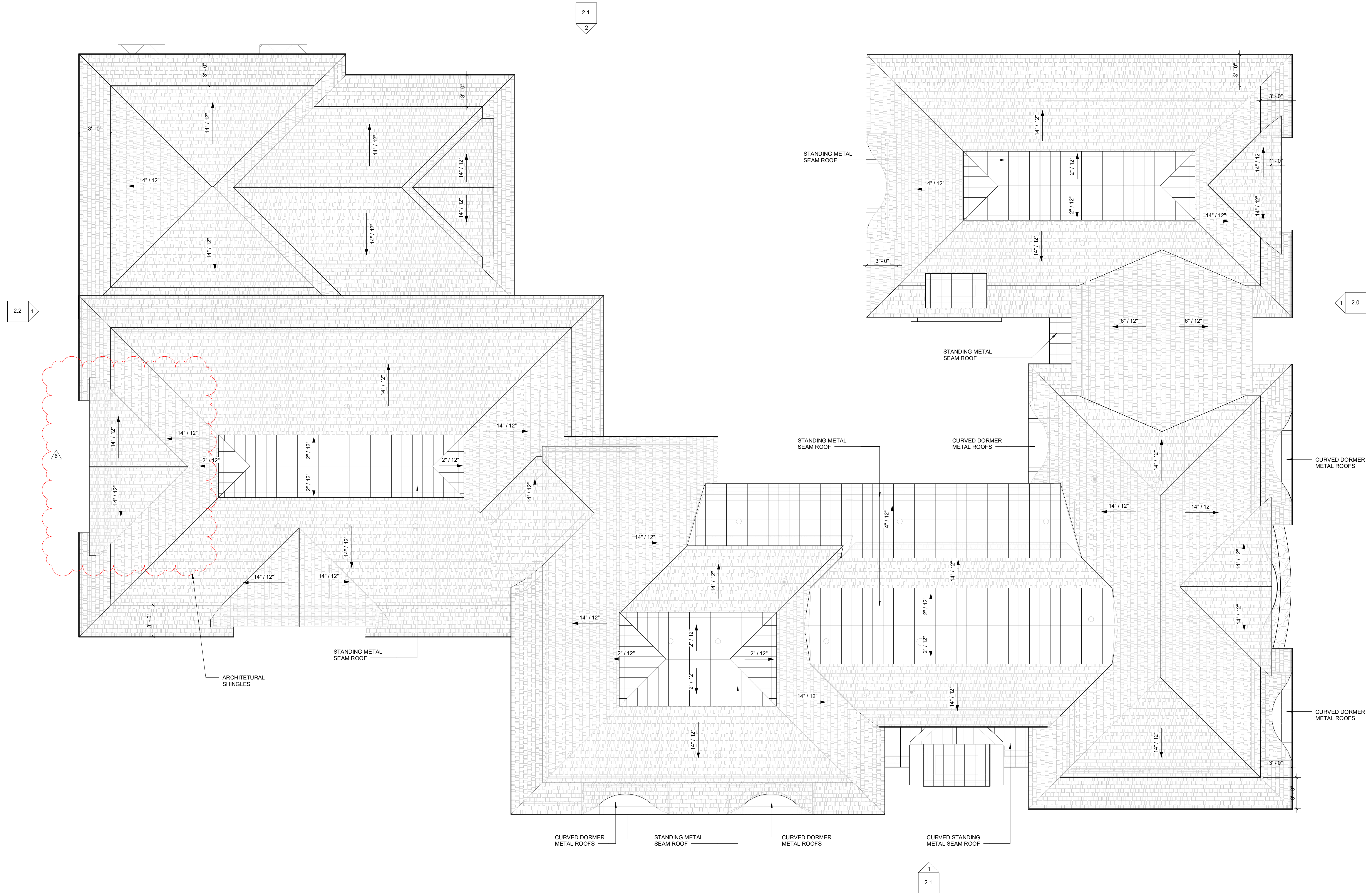
1. DECK ROOF WITH 7/16" APA RATED 24/16 SHEATHING.
2. RAFTERS TO BE 2X8 SPF #2 AT 16" O.C.
3. RIDGES, HIPS AND VALLEYS TO BE 3-2X10SYP #2, U.N.O.
4. HEADERS AT LOAD BEARING WALLS TO BE 3-2X10 SYP #2, U.N.O.



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1 Roof Plan
 scale: 1/4" = 1'-0"



CONSULTANTS

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MADEWELL HOMES
 Alpharetta, GA

Revision Schedule		
#	Date	Description
6	04/01/26	Bonus Rm. revs

ROOF PLAN

Project Number 23-024
 Date 03.03.26
 Drawn By dmb
 Checked By Checker

1.3

Scale As indicated

4 UPPER CEILING FRAMING NOTES
scale: 1/2" = 1'-0"

1. CEILING JOISTS TO BE 2X8 SPF #2 AT 16" O.C., U.N.O.
2. HEADERS AT LOAD BEARING WALLS TO BE 3 - 2 X 10 SYP #2, U.N.O.

3 UPPER FLOOR/CEILING FRAMING NOTES
scale: 1/2" = 1'-0"

1. DECK FLOOR WITH 23/32" T & G APA RATED SHEATHING.
2. FLOOR JOISTS TO BE 16" T/J 210 L-JOISTS AT 16" O.C. MAXIMUM OR EQUAL. PROVIDE EXTRA JOIST BELOW ALL WALLS PARALLEL TO JOIST FRAMING DIRECTION. (AS PER FRAMING PLANS)
3. HEADERS AT LOAD BEARING WALLS TO BE 3 - 2X10 SYP #2, U.N.O.
4. CEILING JOISTS TO BE 2X8 SPF #2 AT 16" O.C., U.N.O.
5. SHEATH ALL EXTERIOR WALLS WITH 7/16" 24/16 APA RATED SHEATHING.

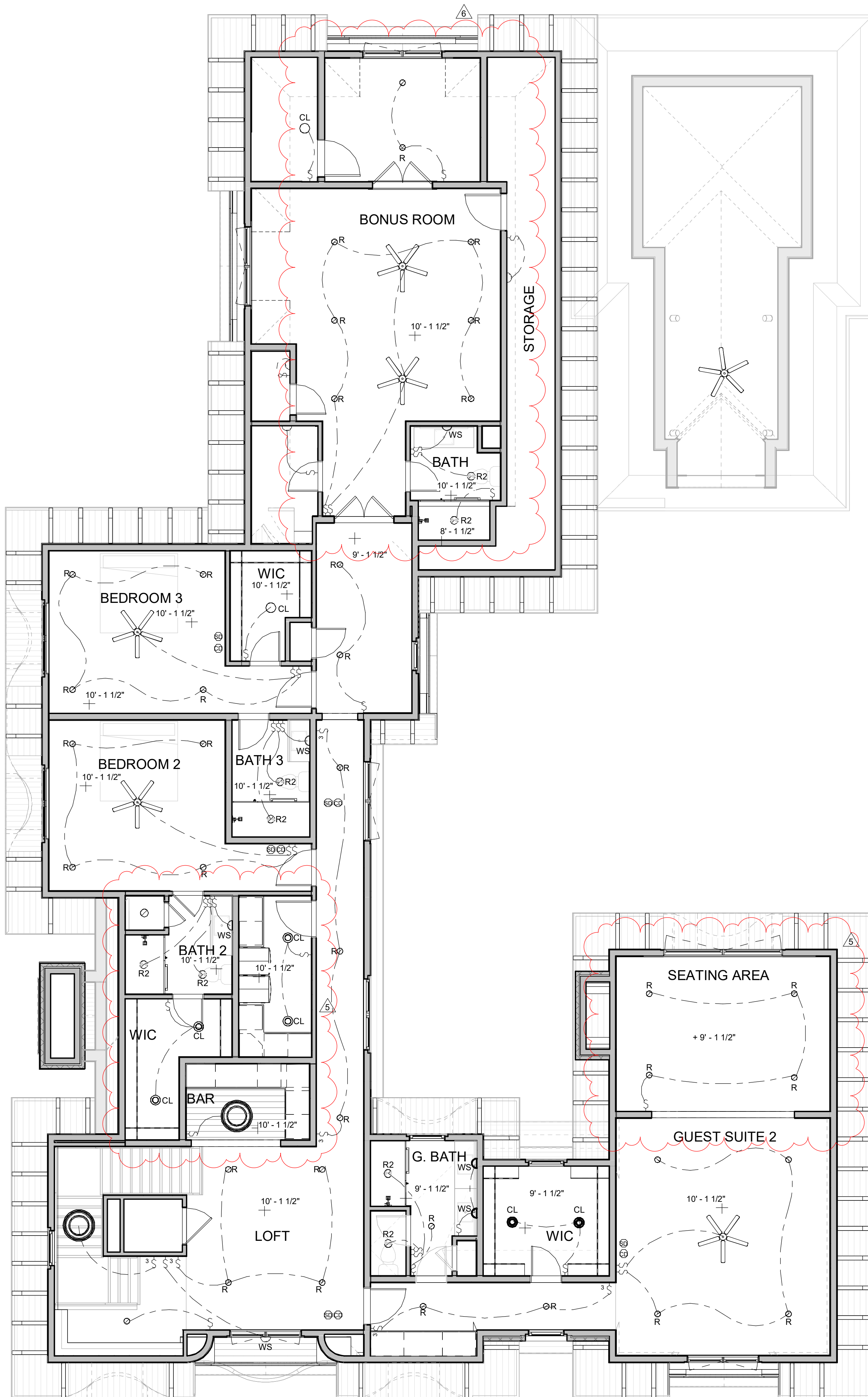
ELECTRICAL LEGEND

- OUTLET IN BASEBOARD
- OUTLET 12" A.F.F.
- OUTLET 42" A.F.F.
- 1/2 HOT OUTLET
- DRYER OUTLET
- OUTLET IN FLOOR
- OUTLET IN CEILING
- WATERPROOFED OUTLET
- TELEVISION
- TELEPHONE
- SMOKE DETECTOR
- CARBON DIOXIDE
- DECORATIVE WALL LIGHT
- DECORATIVE CEILING LIGHT
- RECESSED LIGHT (STD)
- RECESSED LIGHT (4")
- RECESSED LIGHT (2")
- EYE BALL LIGHT
- EXHAUST FAN
- EXHAUST FAN W/ LIGHT
- FLOURESCENT LIGHT
- UNDER CABINET LIGHT
- SINGLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- CEILING FAN
- CEILING FAN W/ LIGHT
- FLOOD LIGHTS
- THERMOSTAT
- GARAGE DOOR BUTTON
- DOOR BELL BUTTON
- DOOR BELL CHIME
- CHANDELIER
- PENDANT LIGHT

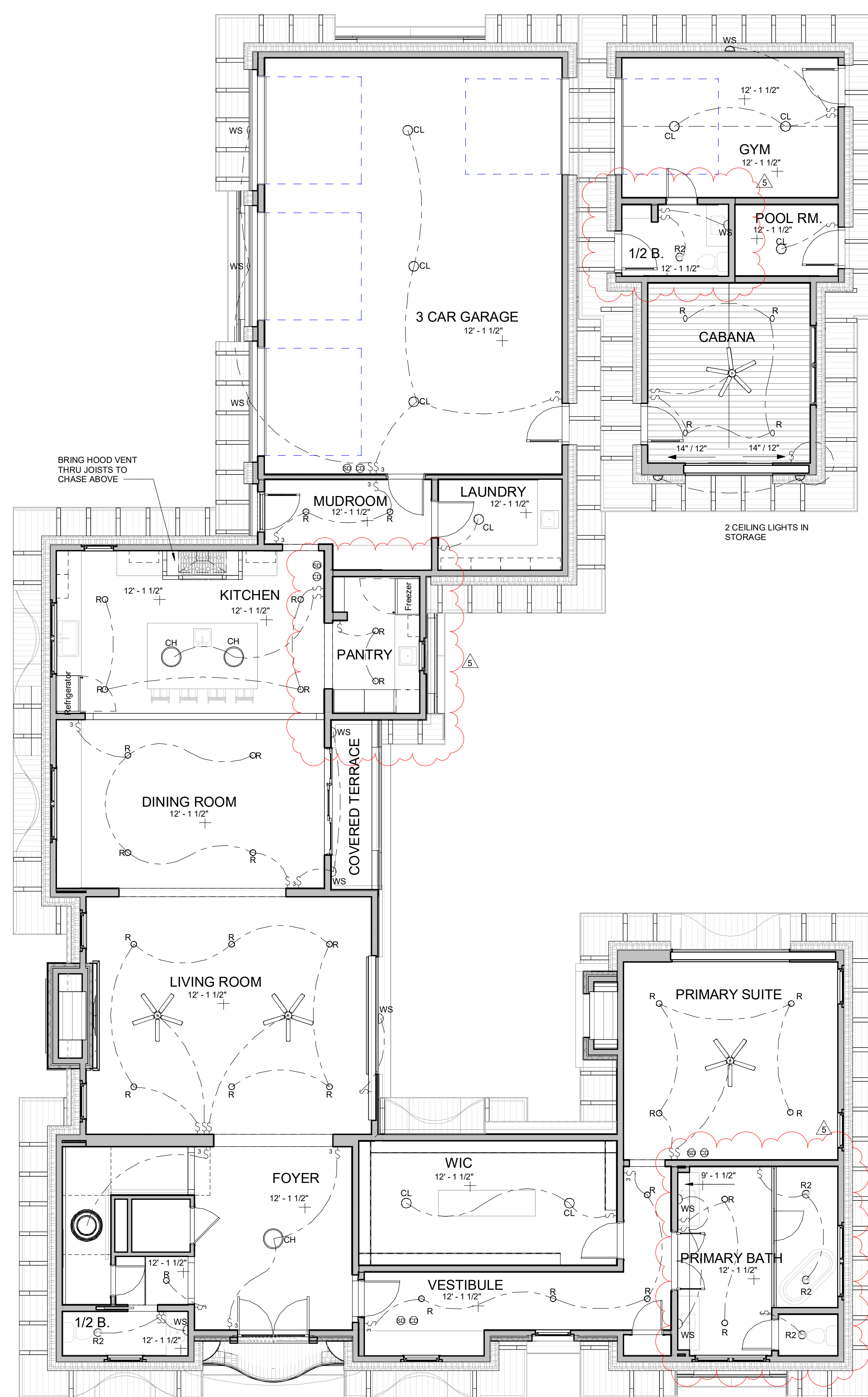
NOTE:
ALL ELECTRICAL TO COMPLY WITH THE NATIONAL
ELECTRIC CODE AND LOCAL BUILDING STANDARDS.

LOCATION OF LIGHT FIXTURES, SWITCHES AND
OUTLETS TO BE VERIFIED IN FIELD WITH OWNER.

2 2nd floor rcp
scale: 3/16" = 1'-0"



1 1st floor rcp
scale: 3/16" = 1'-0"



db
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STATE OF GEORGIA
DIANA MARIA BOLIVAR
REGISTERED ARCHITECT
10.23.25
Diana Bolivar
ARCHITECT

CONSULTANTS

295 Karen Drive
MADEWELL HOMES
Alpharetta, GA

Revision Schedule

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5	01.20.26	Client Revisions
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**REFLECTED
CEILING
PLANS**

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By fa

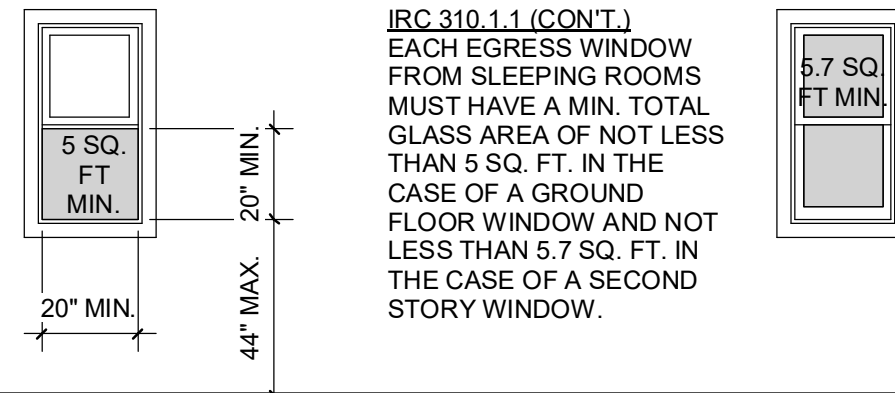
1.4
Scale As indicated

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4 EMERGENCY EGRESS DETAIL
scale: 1/4" = 1'-0"

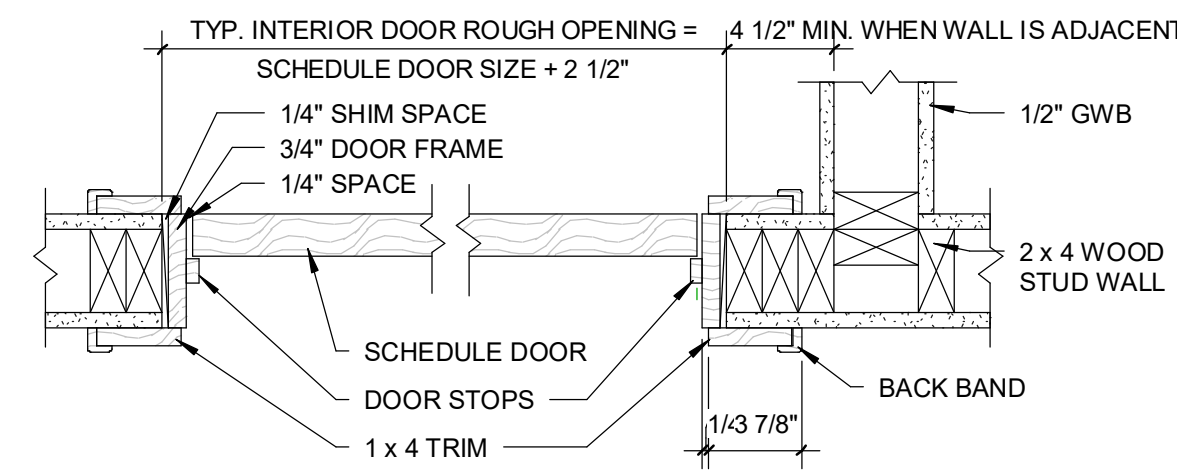
IRC 2018 310.1
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EXTERIOR WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. THE UNITS MUST BE OPERABLE FROM THE INSIDE TO A FULL CLEAR OPENING WITHOUT THE USE OF A KEY OR TOOL.
WHERE WINDOWS ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE, THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR.

IRC 310.1.1
THE MIN. NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 20".
THE MIN. NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20".
THE NET CLEAR OPENING AREA SHALL NOT BE LESS THAN 4 SQ. FT.

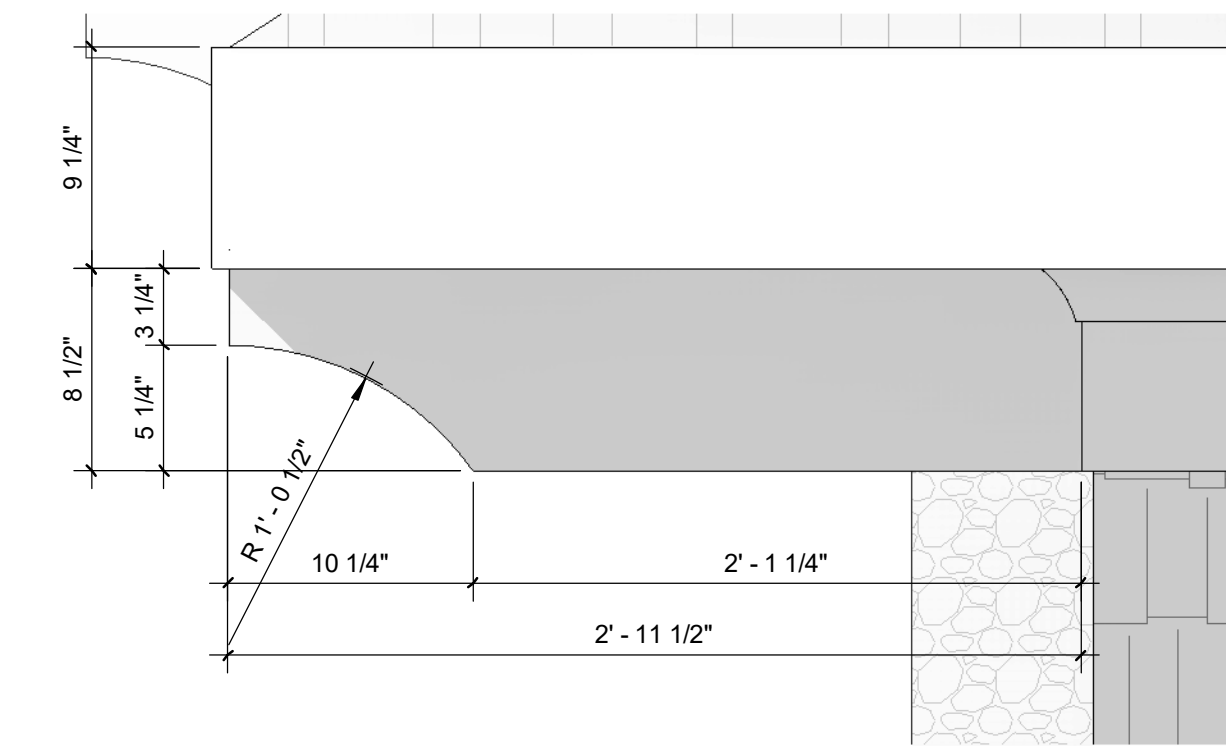


IRC 310.1.1 (CONT.)
EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A MIN. TOTAL GLASS AREA OF NOT LESS THAN 5 SQ. FT. IN THE CASE OF A GROUND FLOOR WINDOW AND NOT LESS THAN 5.7 SQ. FT. IN THE CASE OF A SECOND STORY WINDOW.

5 TYP. INT. DOOR JAMB DETAIL
scale: 1 1/2" = 1'-0"



6 Bracket Dtl.
scale: 1 1/2" = 1'-0"



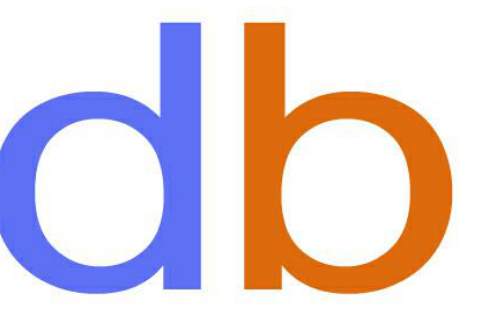
3 3D View Front 2
scale:



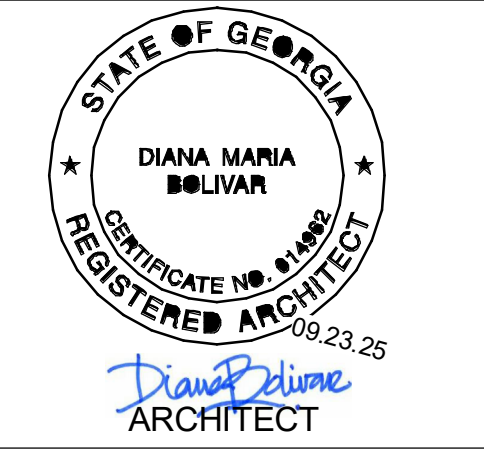
2 3D View Front 1
scale:



1 Front Elevation
scale: 1/4" = 1'-0"



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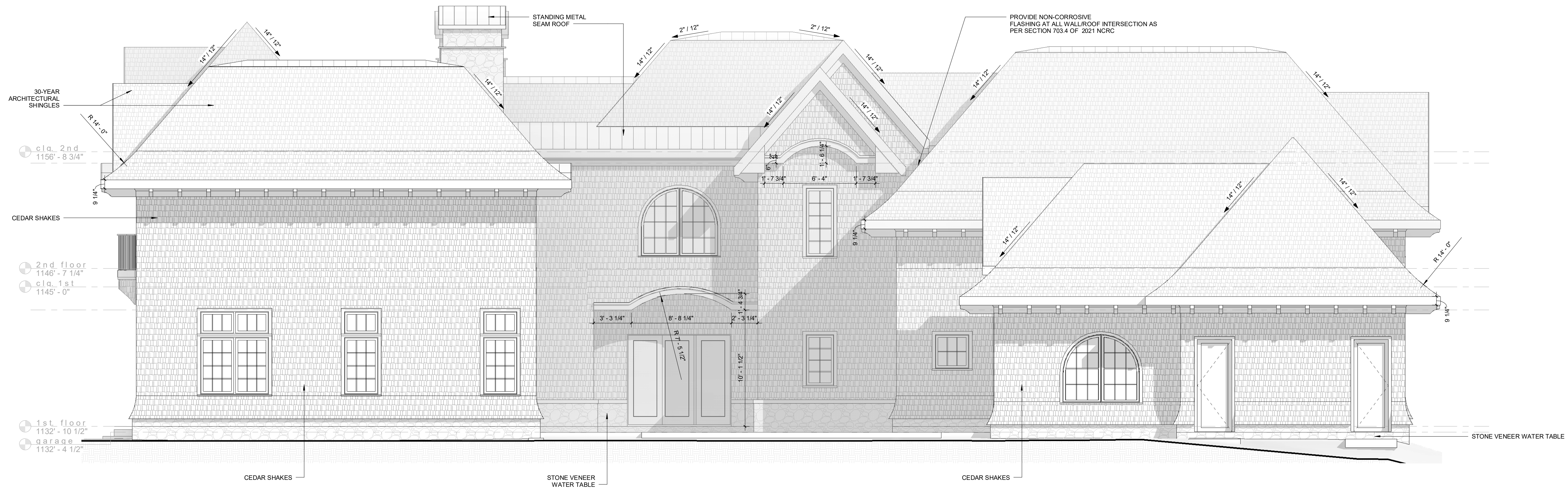
BUILDING ELEVATIONS

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

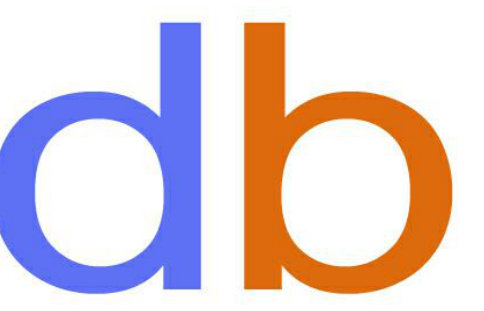
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Scale As indicated

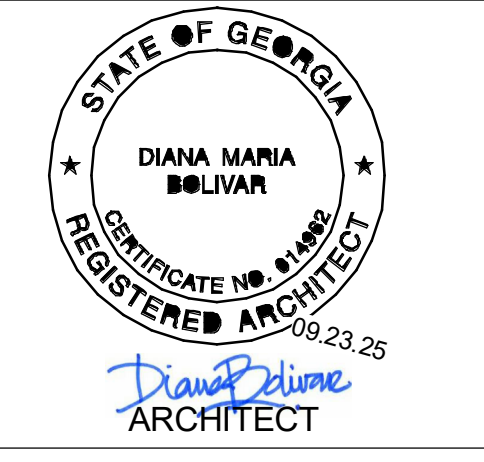
2 Right Elevation
scale: 1/4" = 1'-0"



1 Left Elevation
scale: 1/4" = 1'-0"



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BUILDING ELEVATIONS

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2.1
Scale 1/4" = 1'-0"

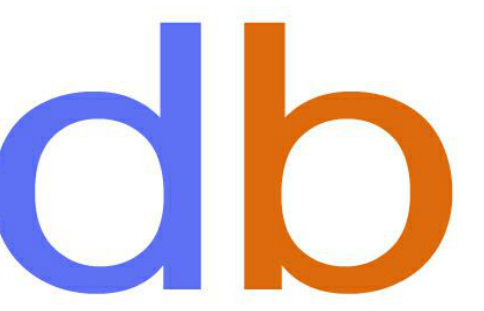
2 3D View Right 1
scale:



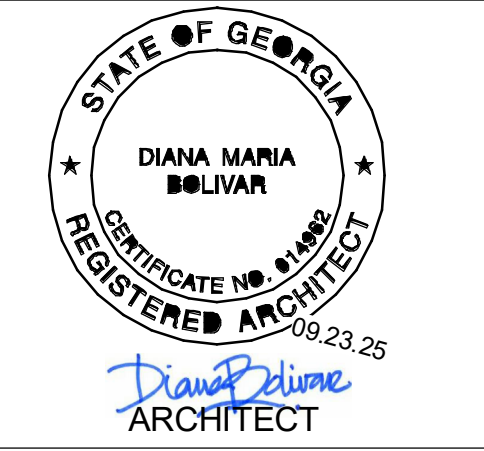
3 3D View Right 2
scale:



1 Rear Elevation
scale: 1/4" = 1'-0"



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295 Karen Drive
MADEWELL HOMES
Alpharetta, GA

Revision Schedule

#	Date	Description

BUILDING ELEVATIONS

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

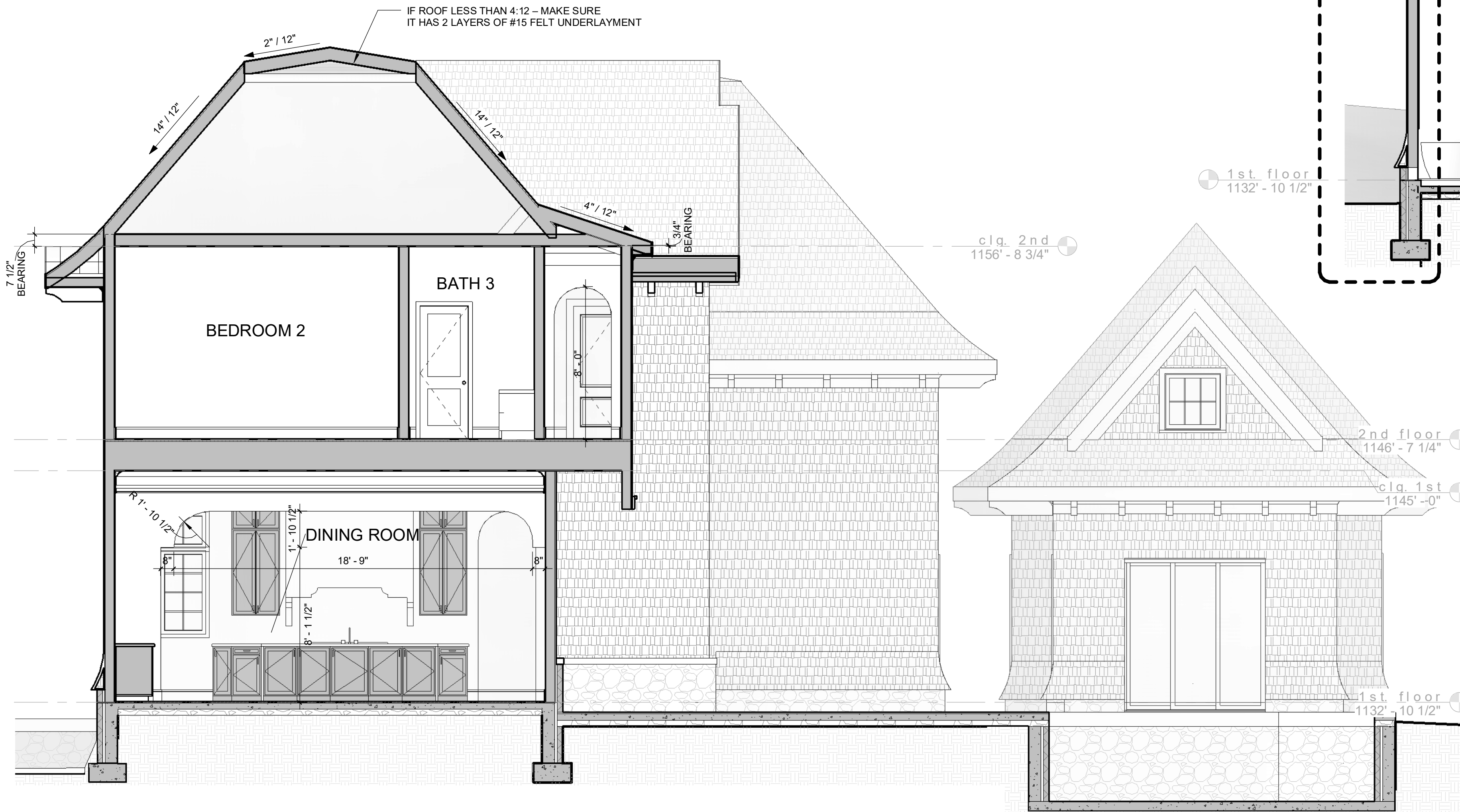
2.2

Scale 1/4" = 1'-0"

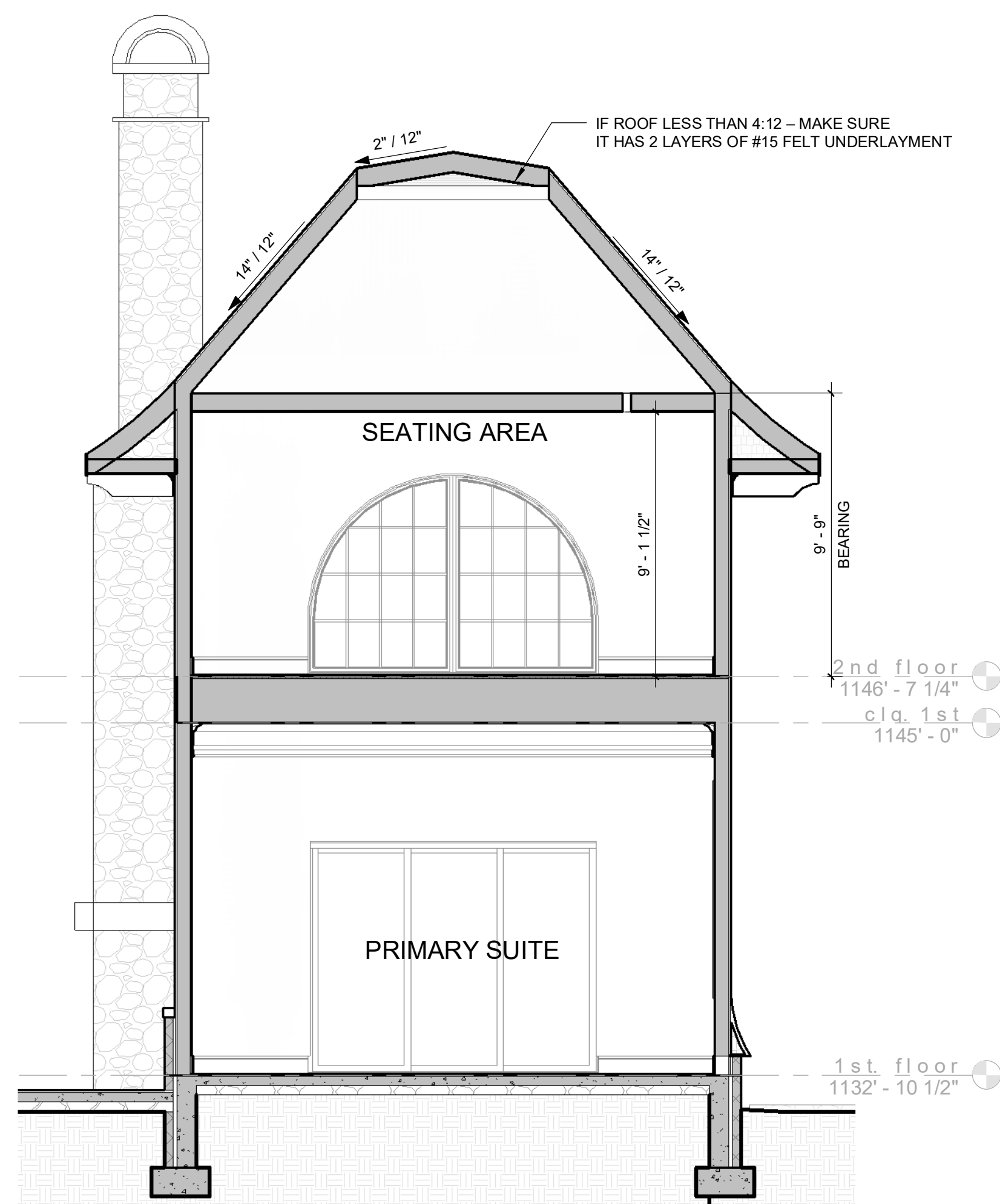
2 Section - Guest Suite and Foyer
scale: 1/4" = 1'-0"



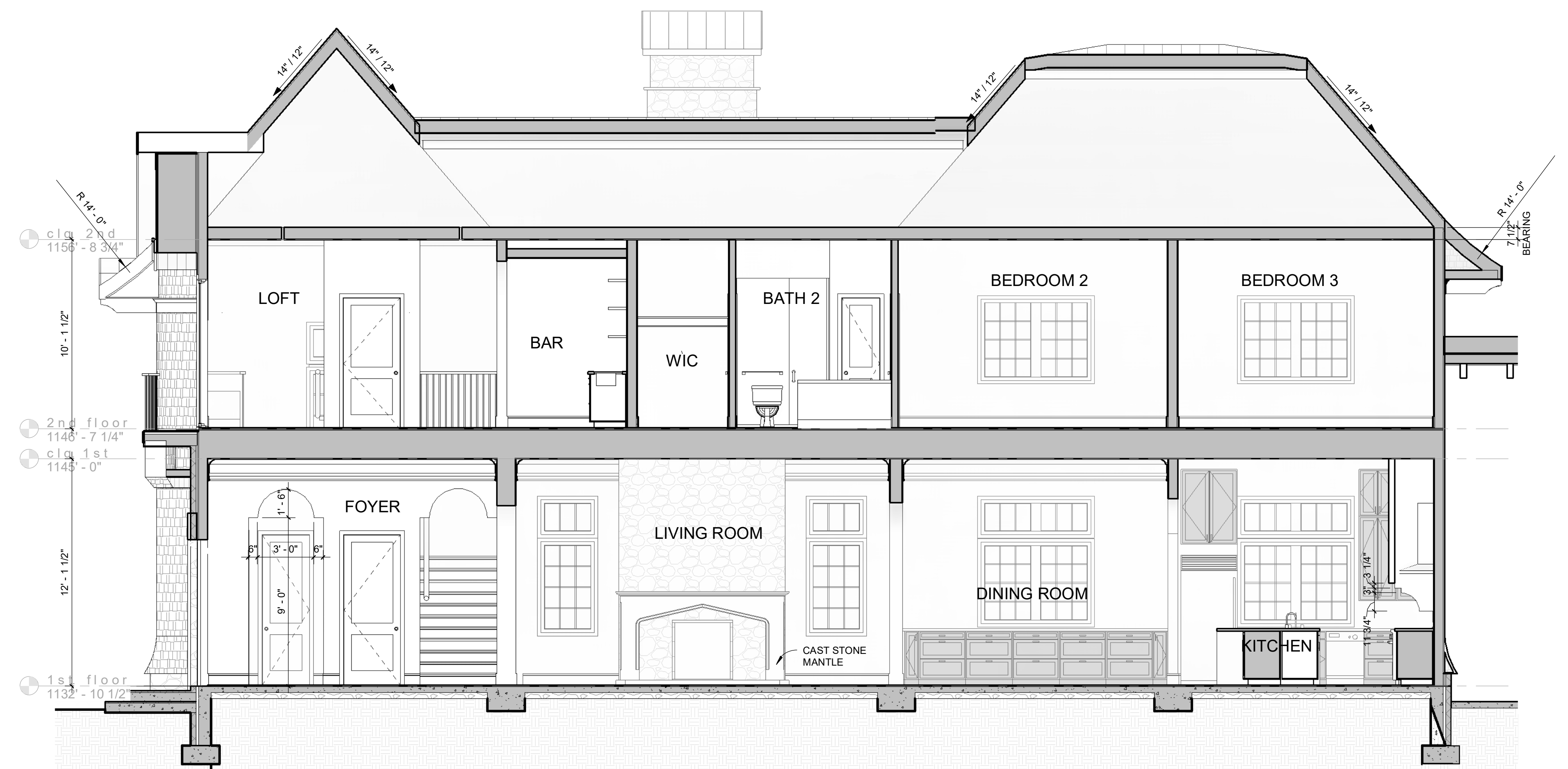
4 Section - Bedroom 2 + Dining
scale: 1/4" = 1'-0"



3 Section - Owner's Suite
scale: 1/4" = 1'-0"



1 Section - Front to back
scale: 1/4" = 1'-0"



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Revision Schedule

#	Date	Description

BUILDING SECTIONS

Project Number 23-024

Date 03.03.26

Drawn By dmb

Checked By fa

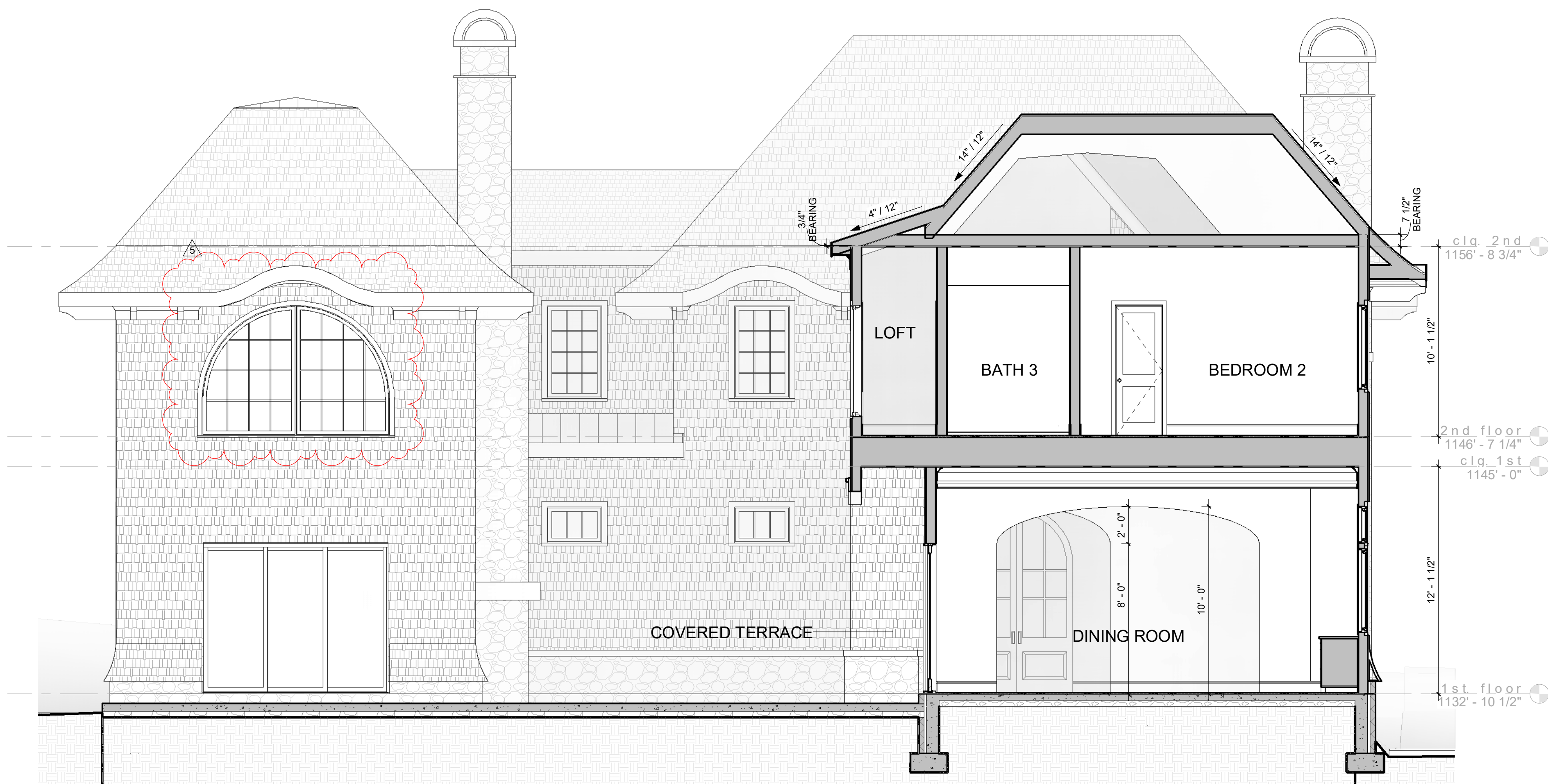
3.0

Scale 1/4" = 1'-0"

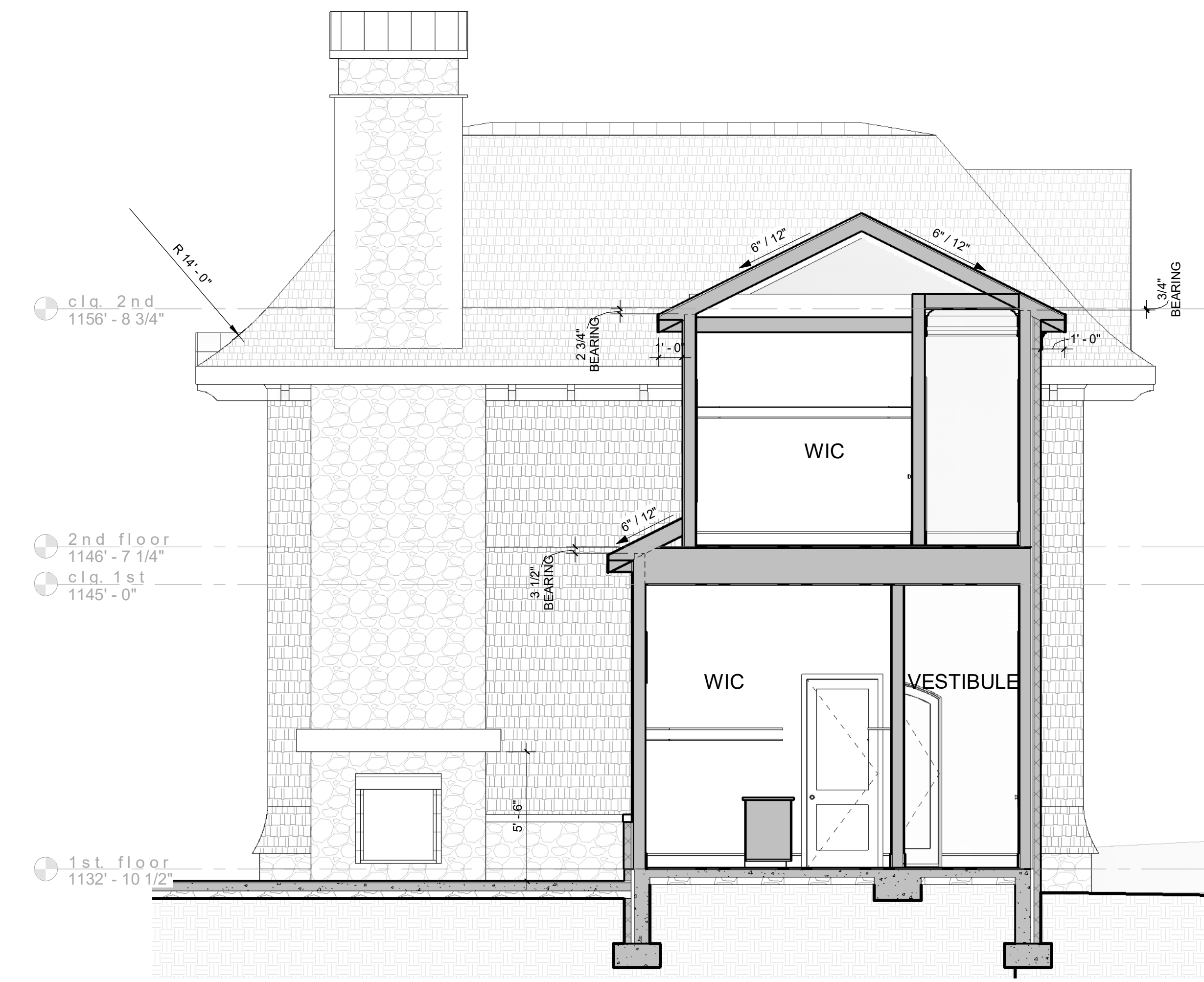
2 Section - Bonus and Guest suite
scale: 1/4" = 1'-0"



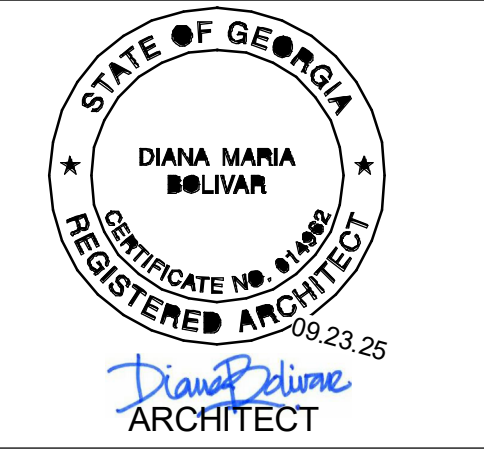
3 Section - Bedroom 2 and Dining Room
scale: 1/4" = 1'-0"



1 Section - Guest suite
scale: 1/4" = 1'-0"



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Revision Schedule

#	Date	Description
5	01.20.26	Client Revisions
6	04.01.26	Bonus Rm. revs

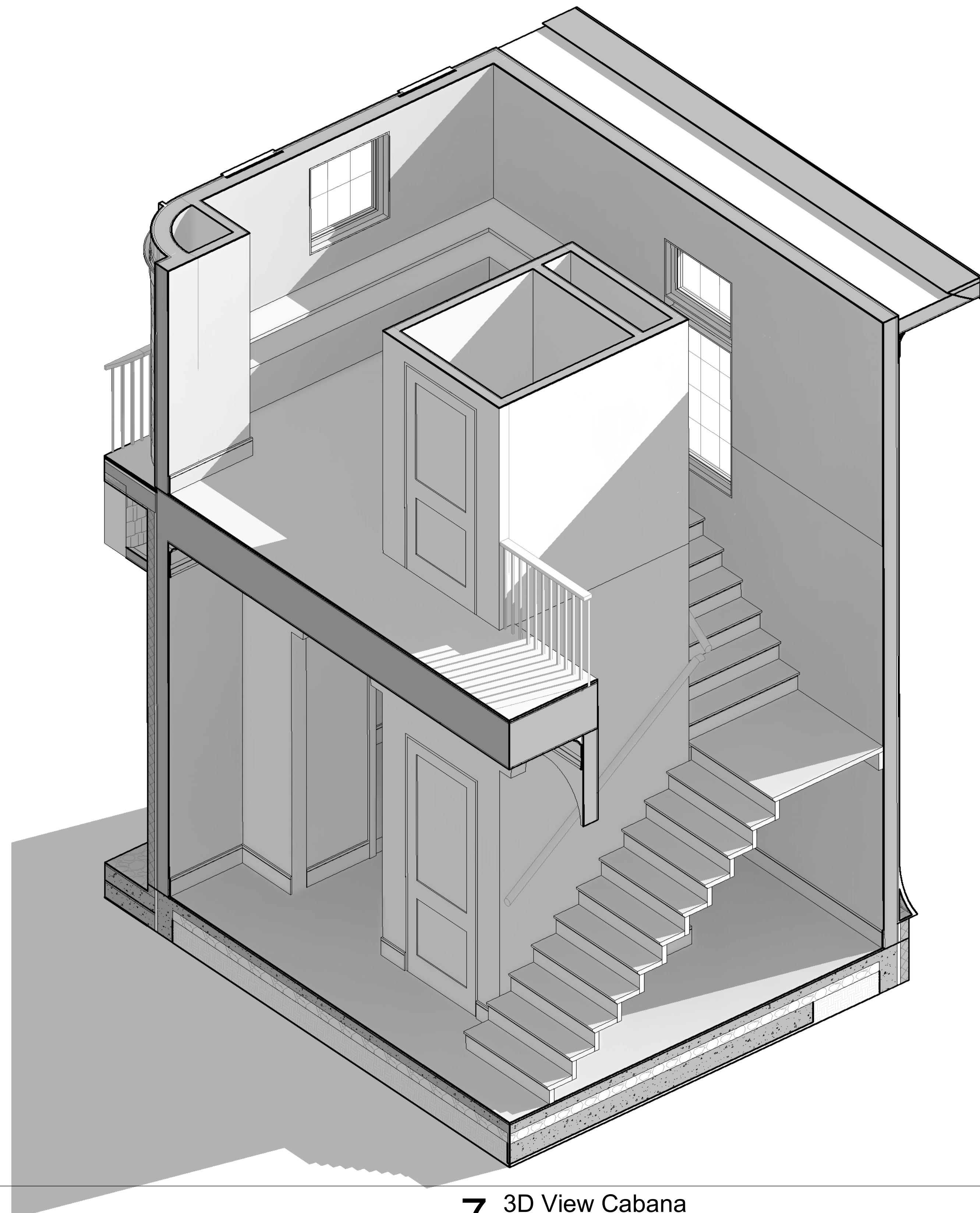
BUILDING SECTIONS

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

3.1

Scale 1/4" = 1'-0"

9 3D View - Staircase
scale:



7 3D View Cabana
scale:



6 3D View Stair
scale:



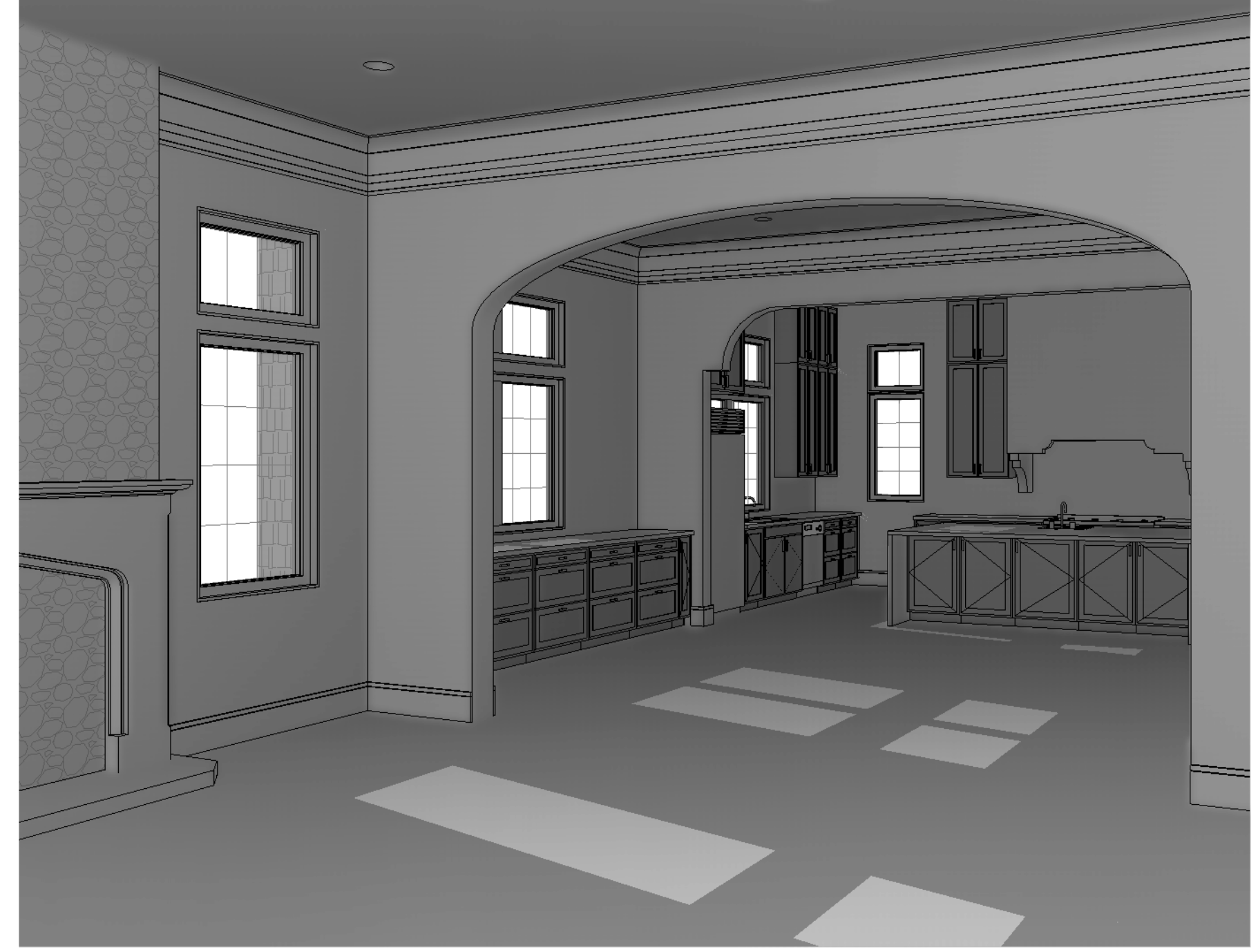
5 3D View Owner Bath
scale:



4 3D View Owner Suite
scale:



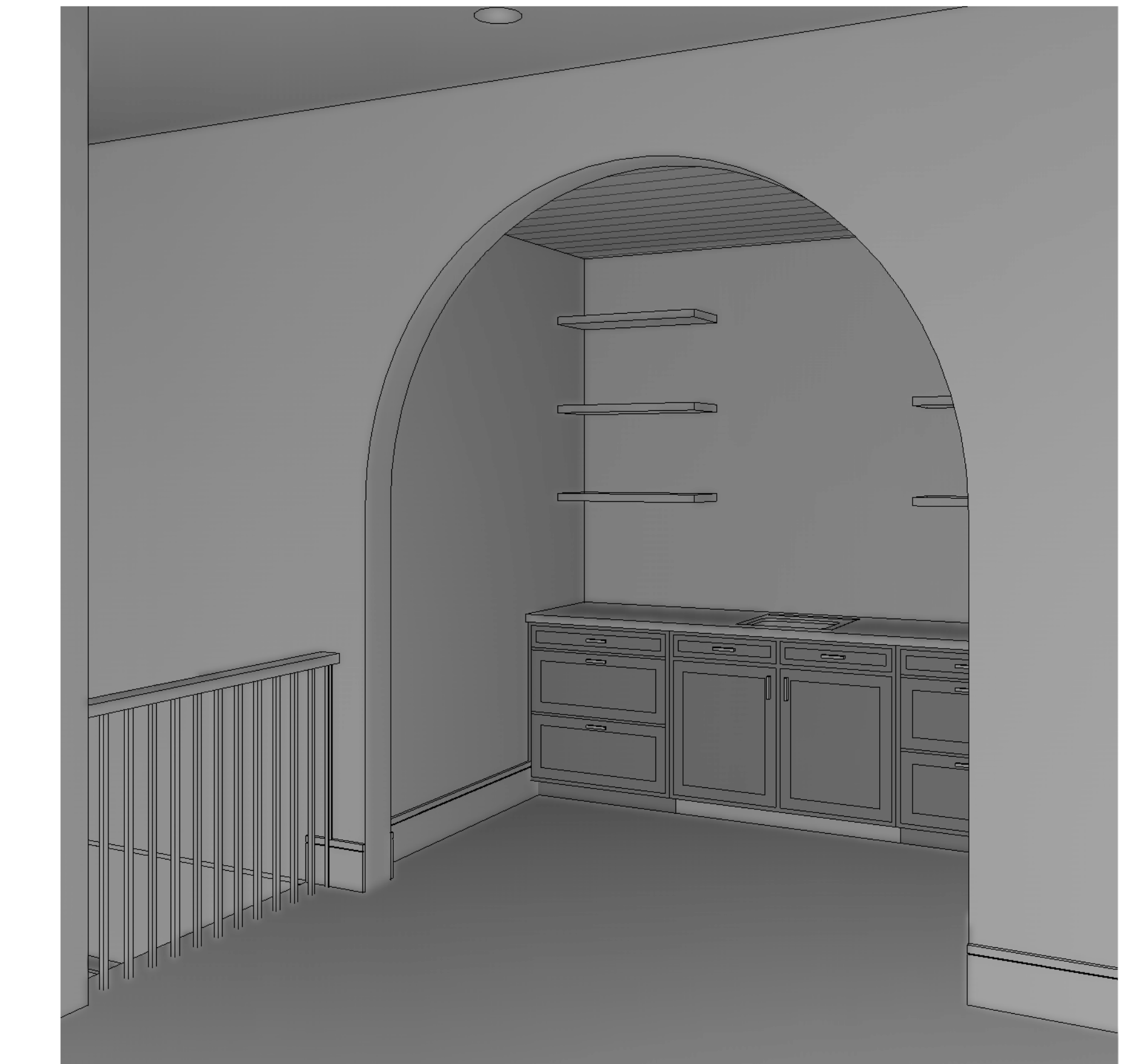
3 3D View Living Room
scale:



2 3D View Kitchen
scale:



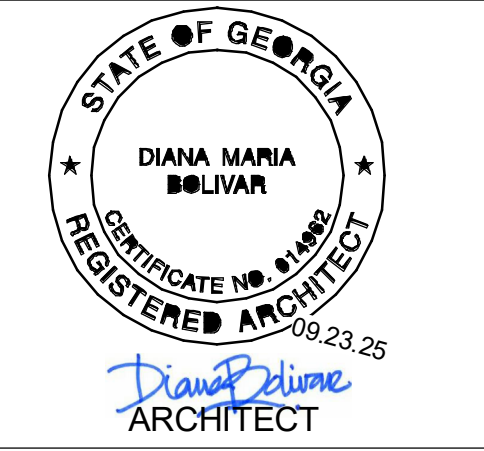
1 3D View Bar
scale:



KITCHEN AND BATHROOM CABINETS TO BE DESIGNED BY OTHERS



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Revision Schedule

#	Date	Description

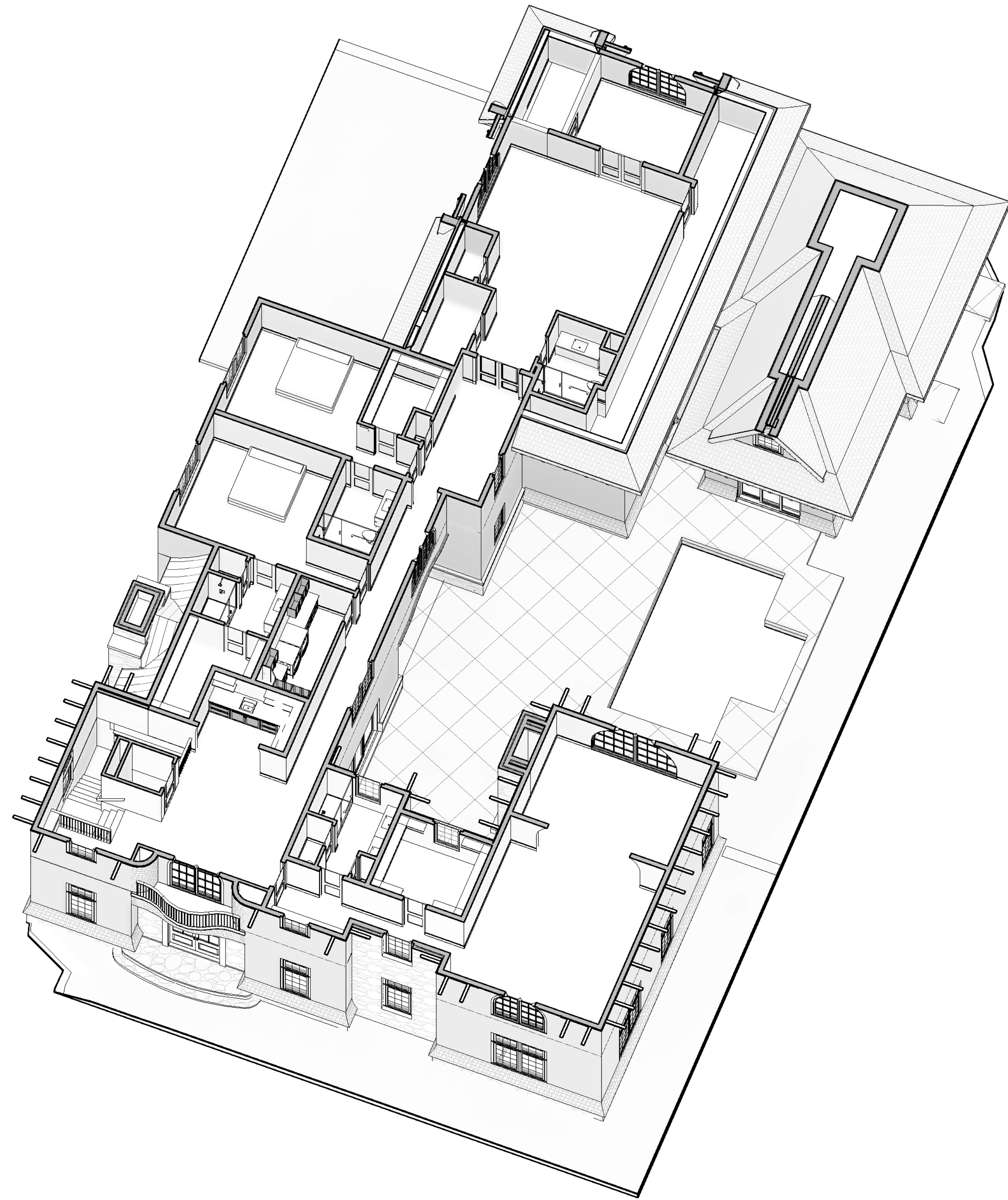
3D VIEWS

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

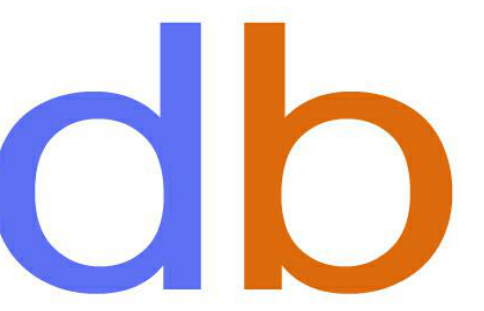
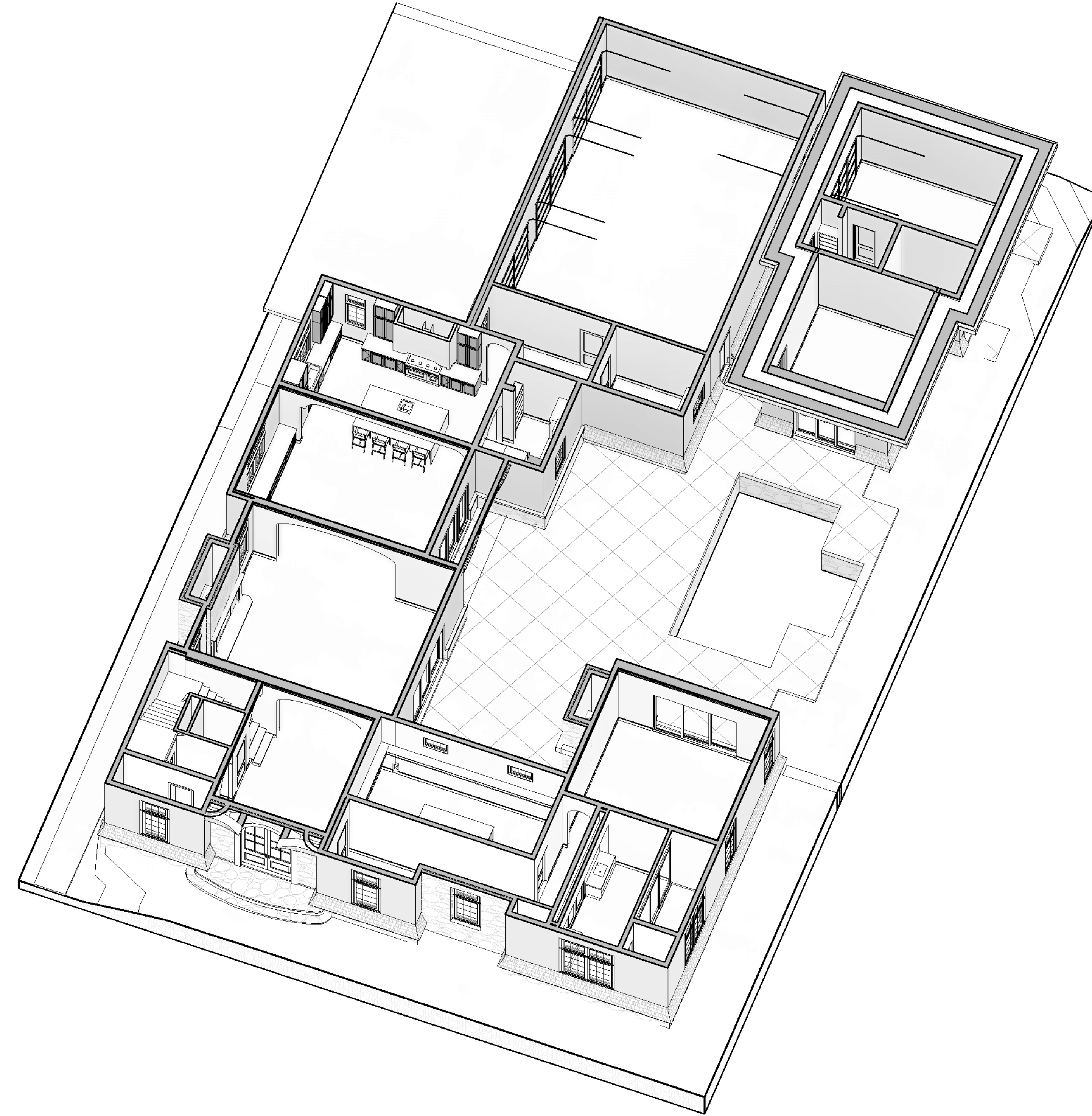
4.0

Scale

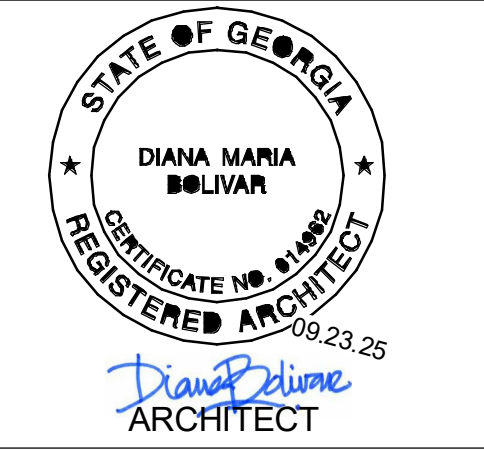
2 3D Second Floor
scale:



1 3D First Floor
scale:



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Revision Schedule

#	Date	Description

3D VIEWS

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

4.1

Scale

KITCHEN AND BATHROOM CABINETS TO BE DESIGNED BY OTHERS

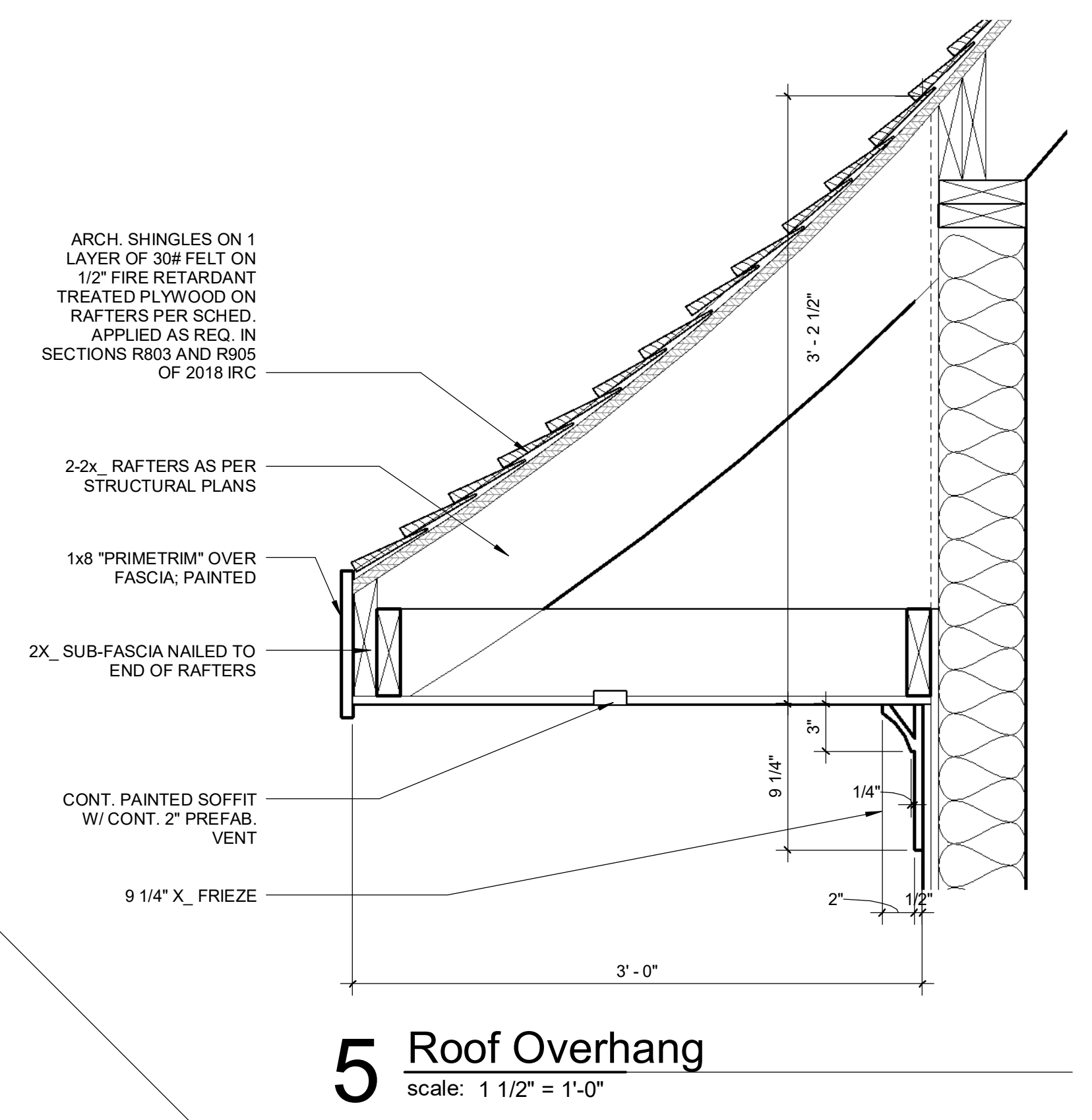
Revision Schedule		
#	Date	Description
6	040126	Bonus Rm. revs

WALL SECTIONS

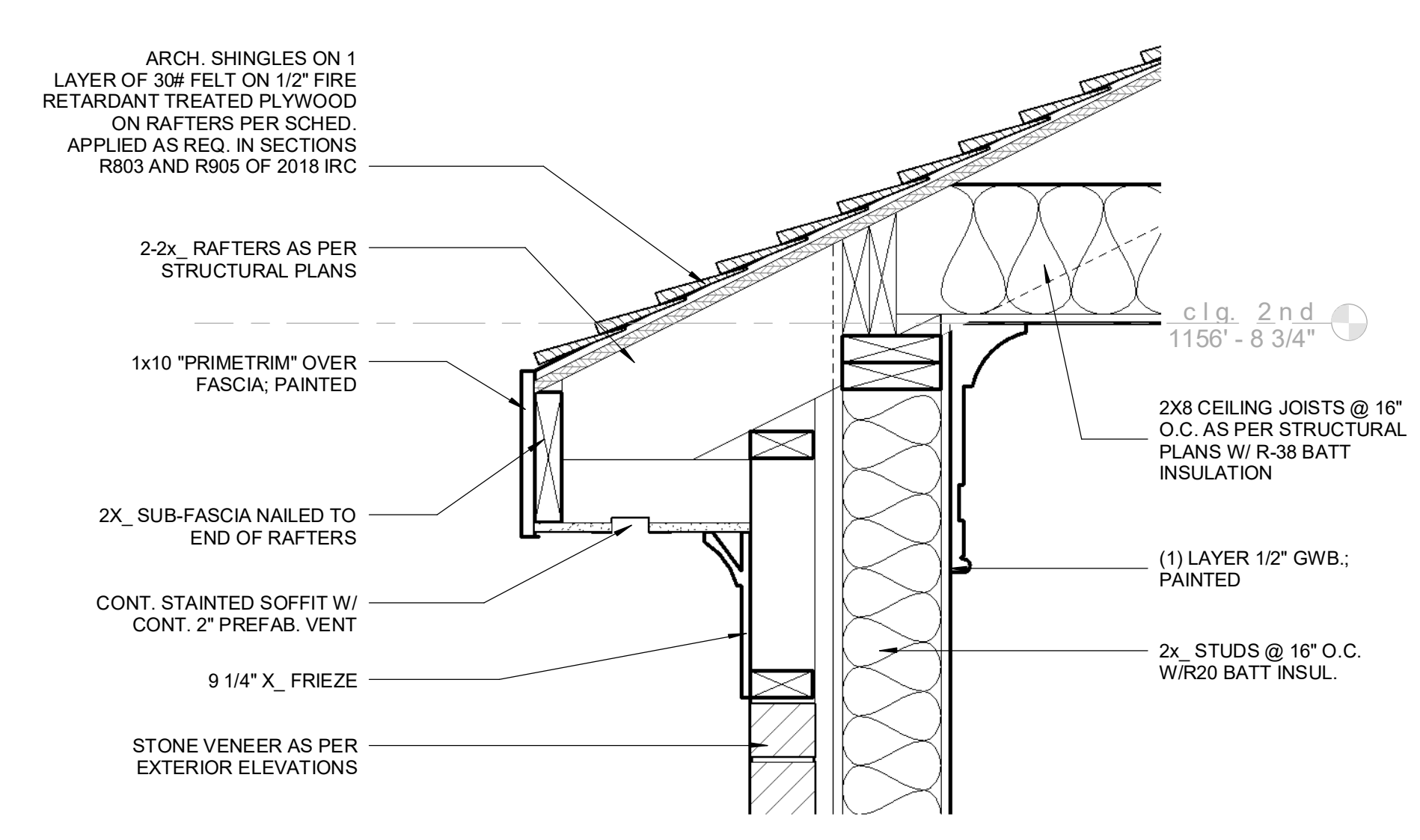
Project Number	23-024
Date	03.03.26
Drawn By	dmb
Checked By	Checker

6.0
Scale As indicated

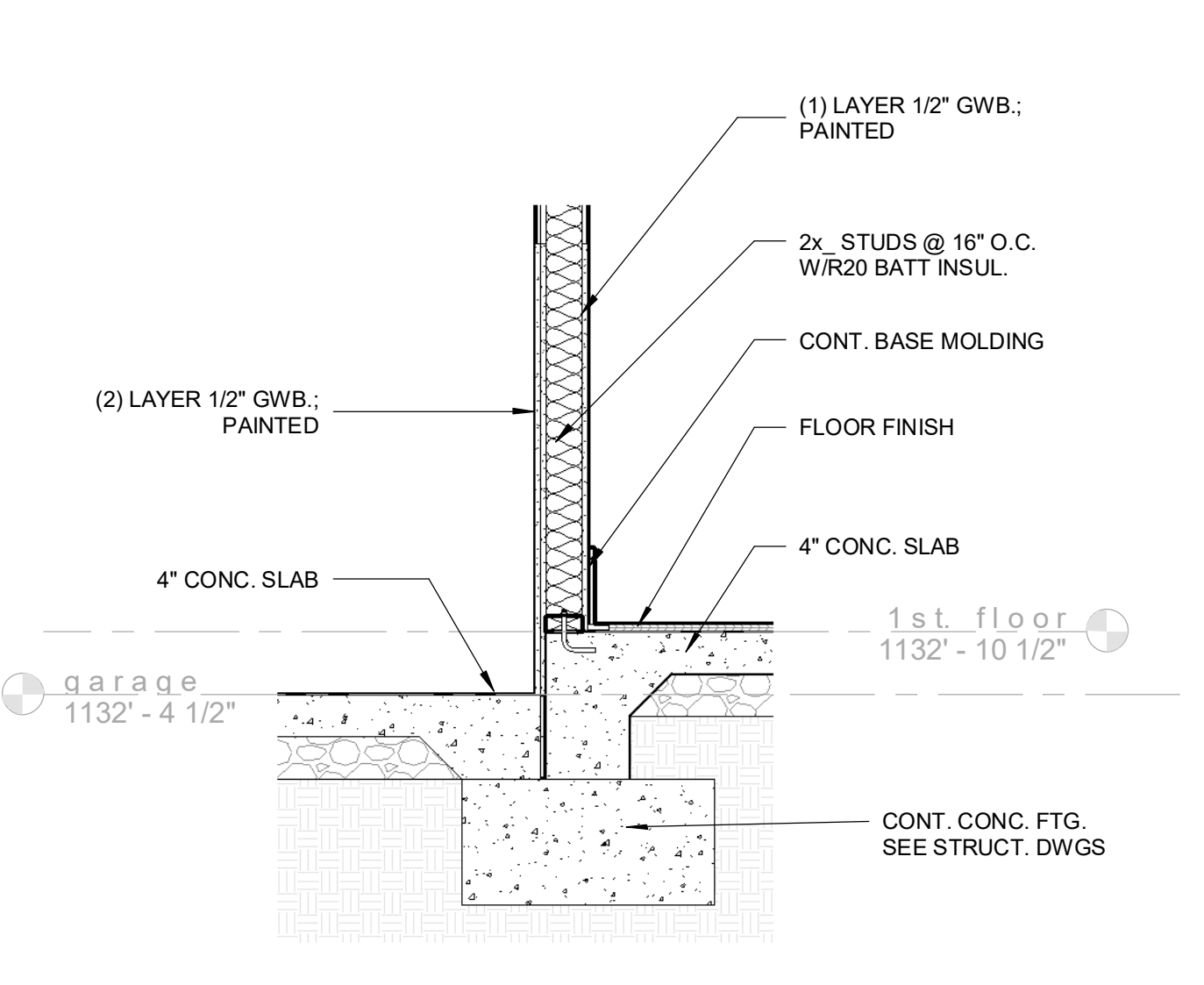
4/2/2026 8:53:45 AM



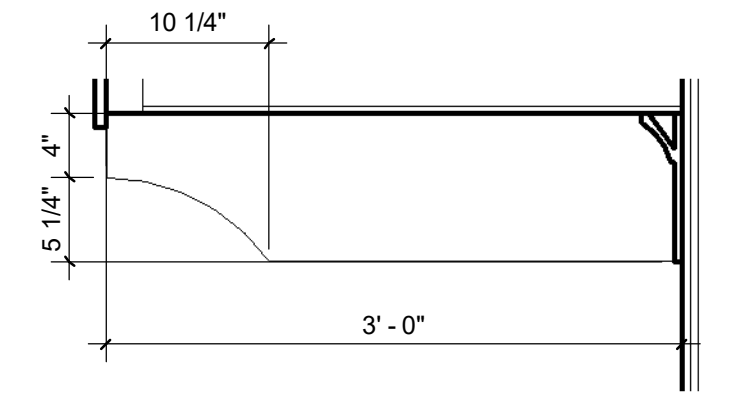
5 Roof Overhang
scale: 1 1/2" = 1'-0"



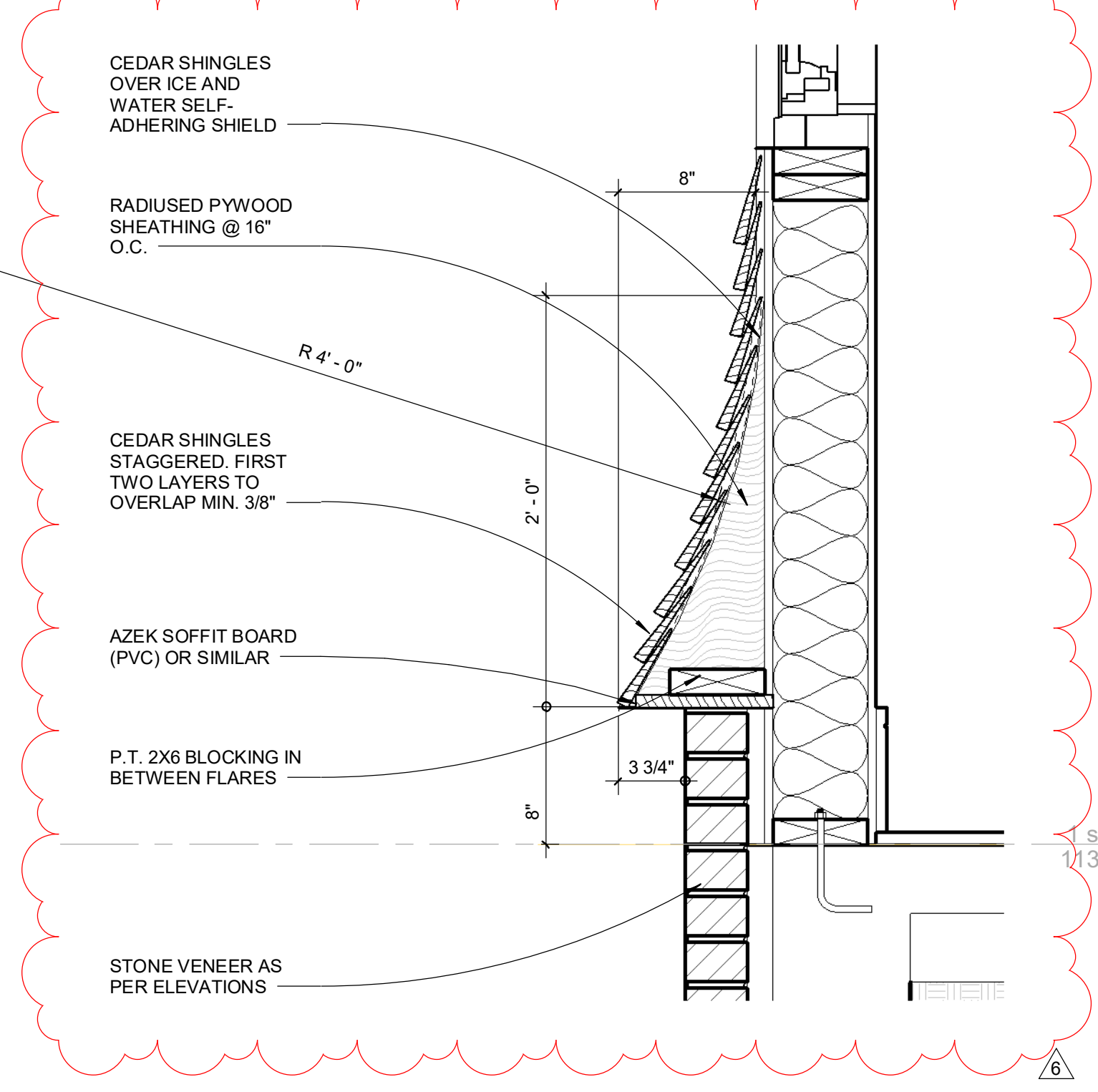
6 Roof Overhang
scale: 1 1/2" = 1'-0"



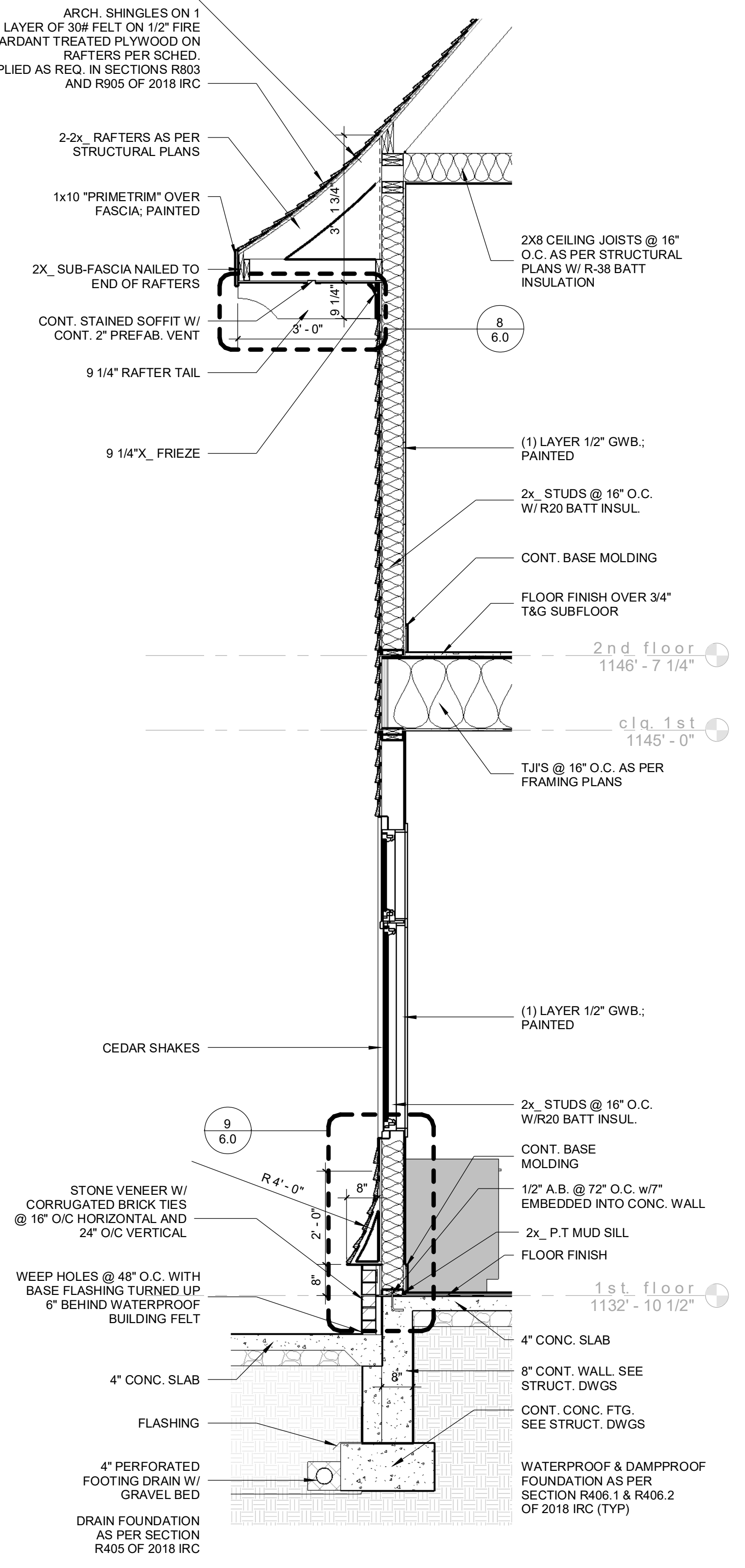
7 Garage to House
scale: 3/4" = 1'-0"



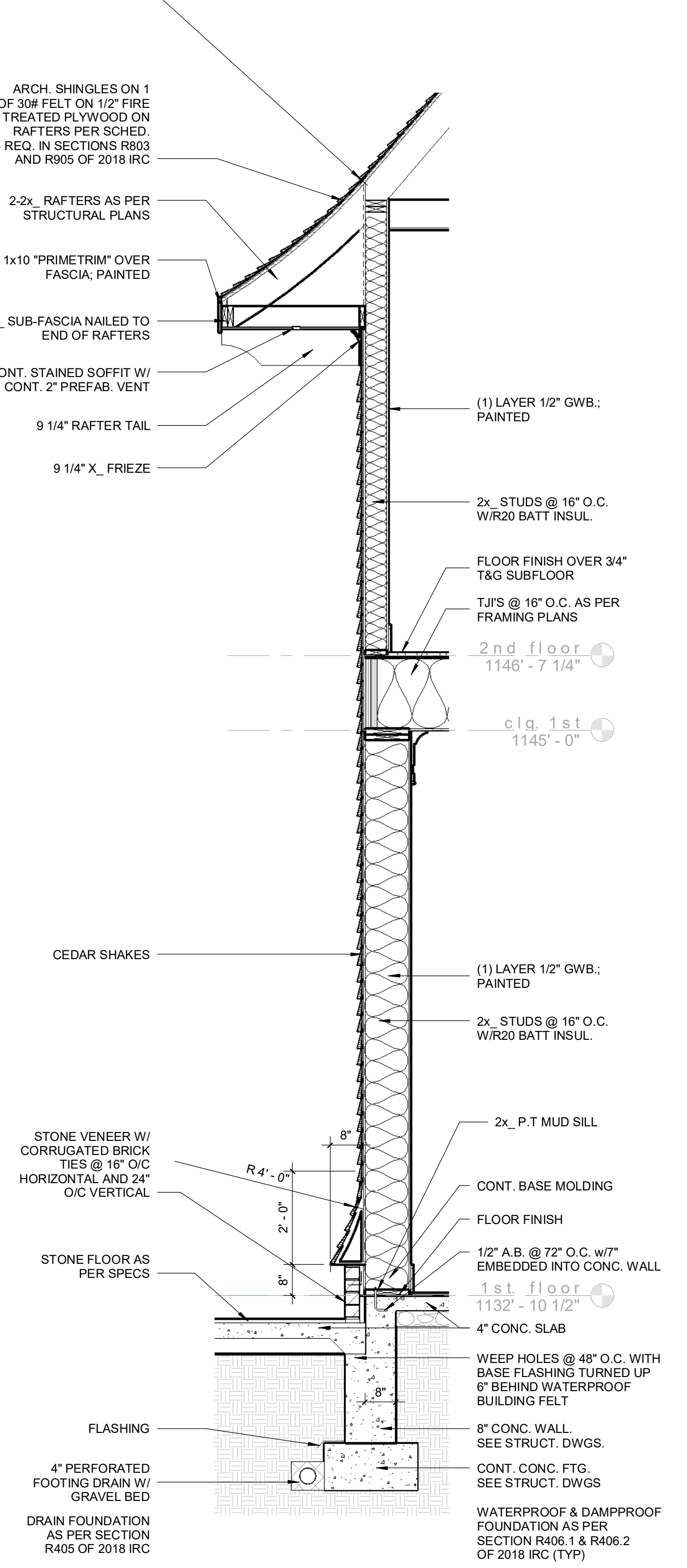
8 Rafter Tail
scale: 1" = 1'-0"



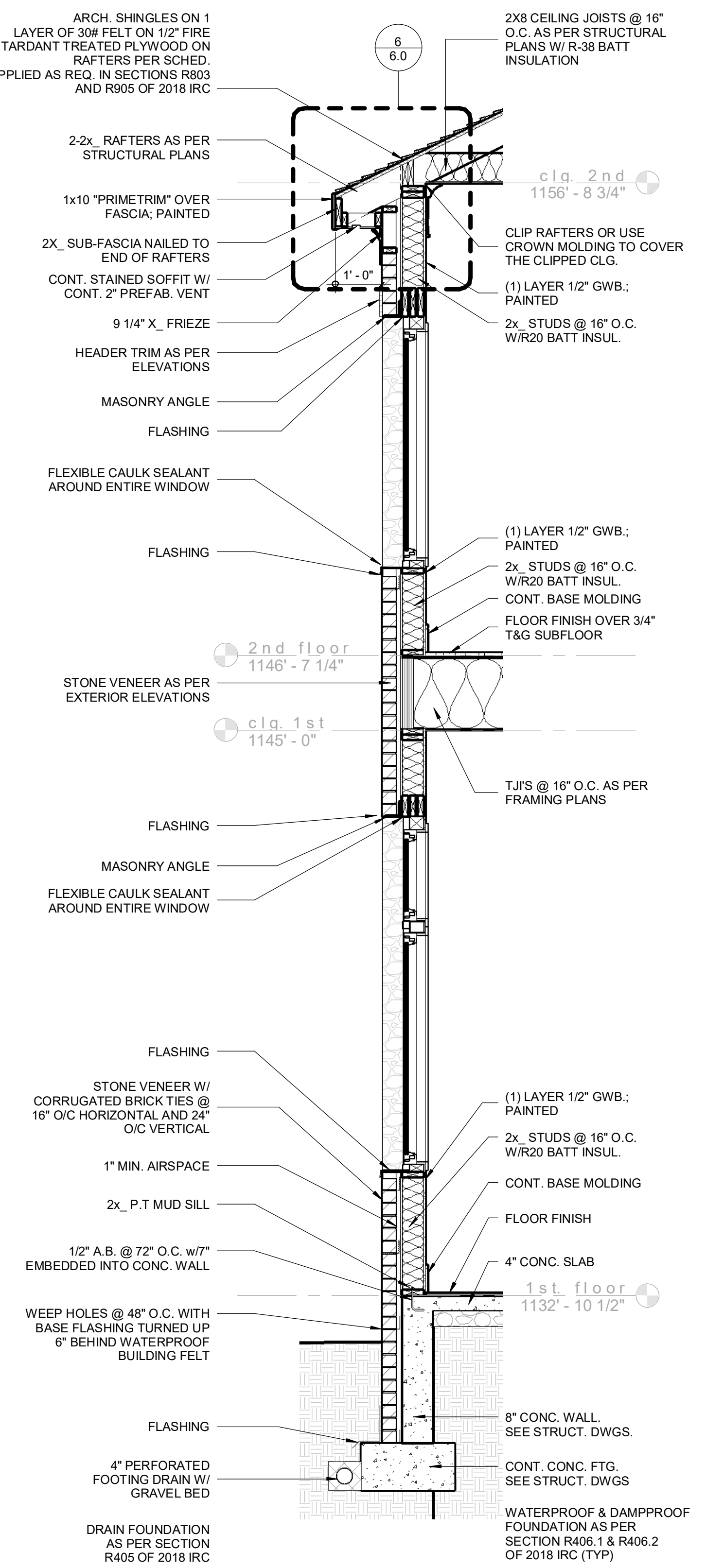
9 Flared wall Dtl.
scale: 1 1/2" = 1'-0"



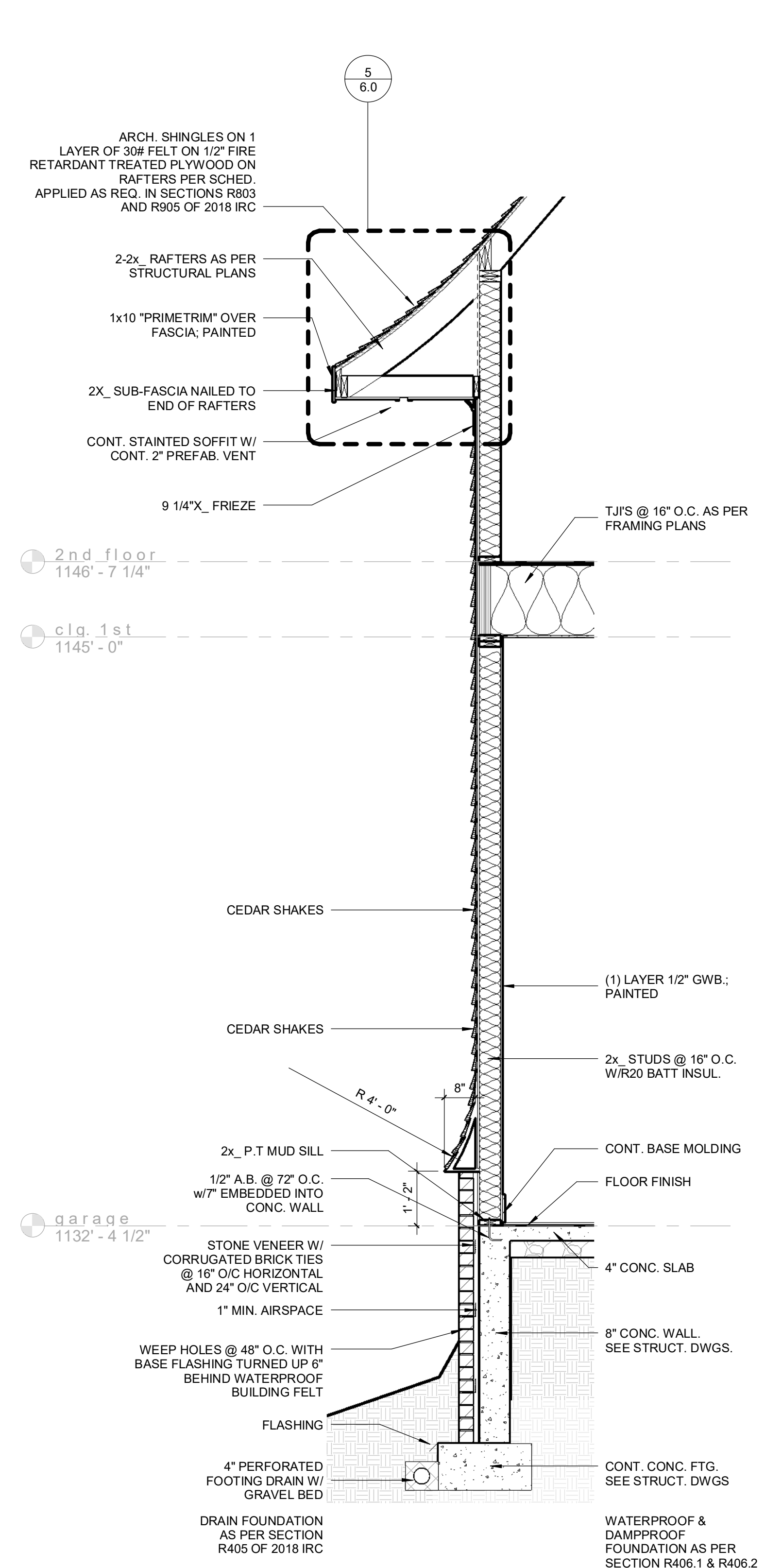
1 Typ. Wall section
scale: 1/2" = 1'-0"



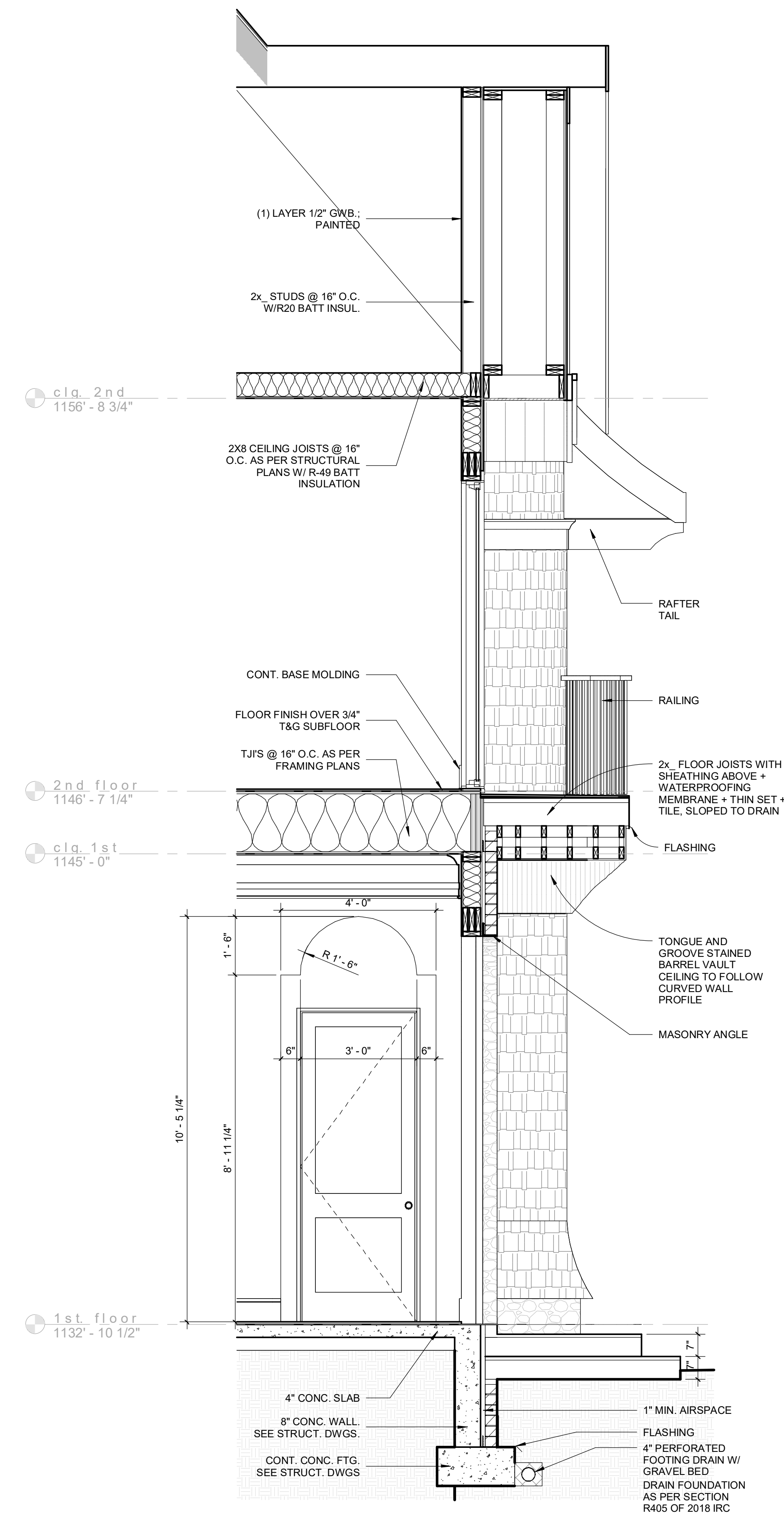
2 Ext. Wall at 2 Story
scale: 1/2" = 1'-0"



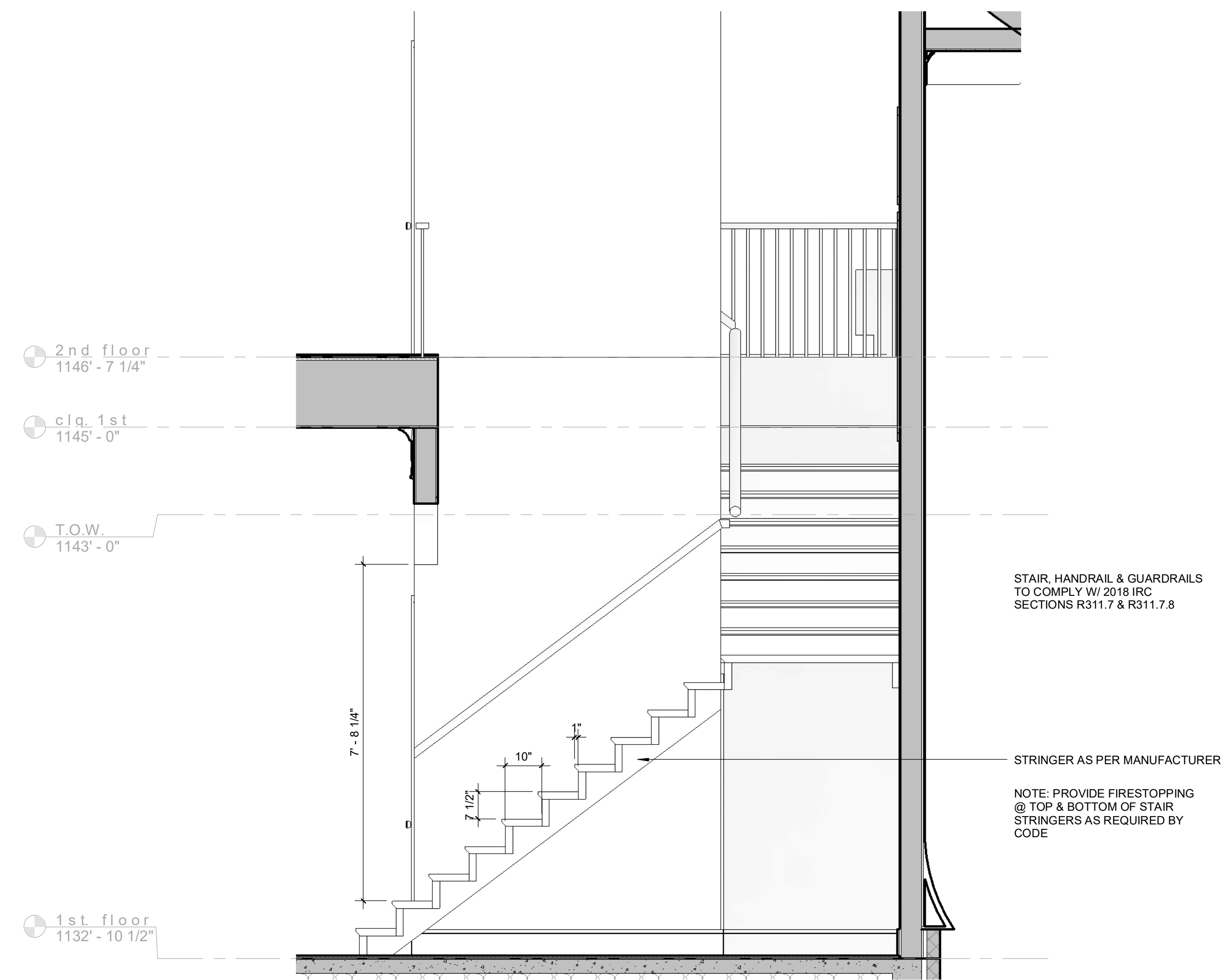
3 Wall Section @ Bay
scale: 1/2" = 1'-0"



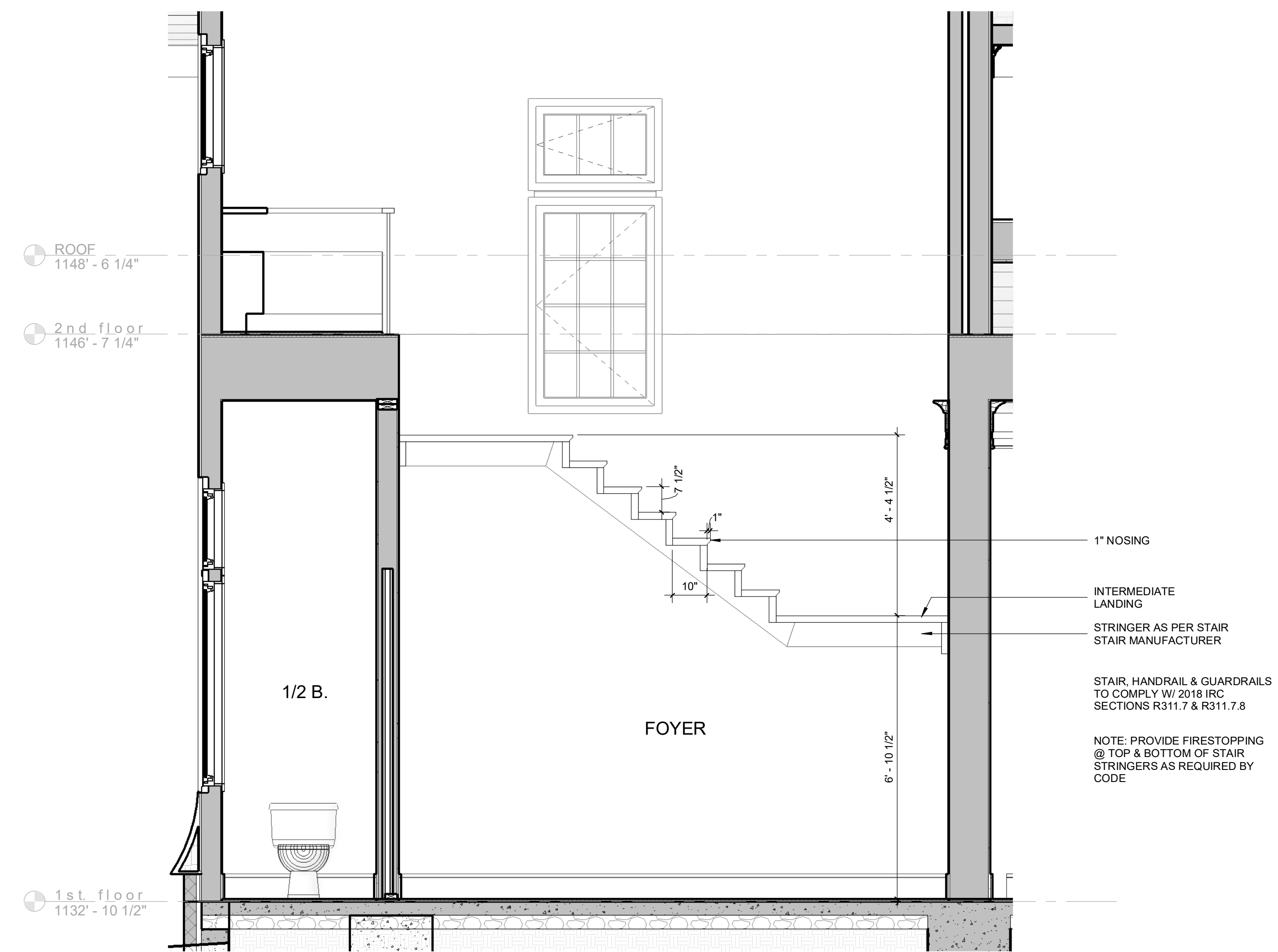
4 Typ. Wall section above Garage
scale: 1/2" = 1'-0"



3 Front Porch Wall Section
scale: 1/2" = 1'-0"

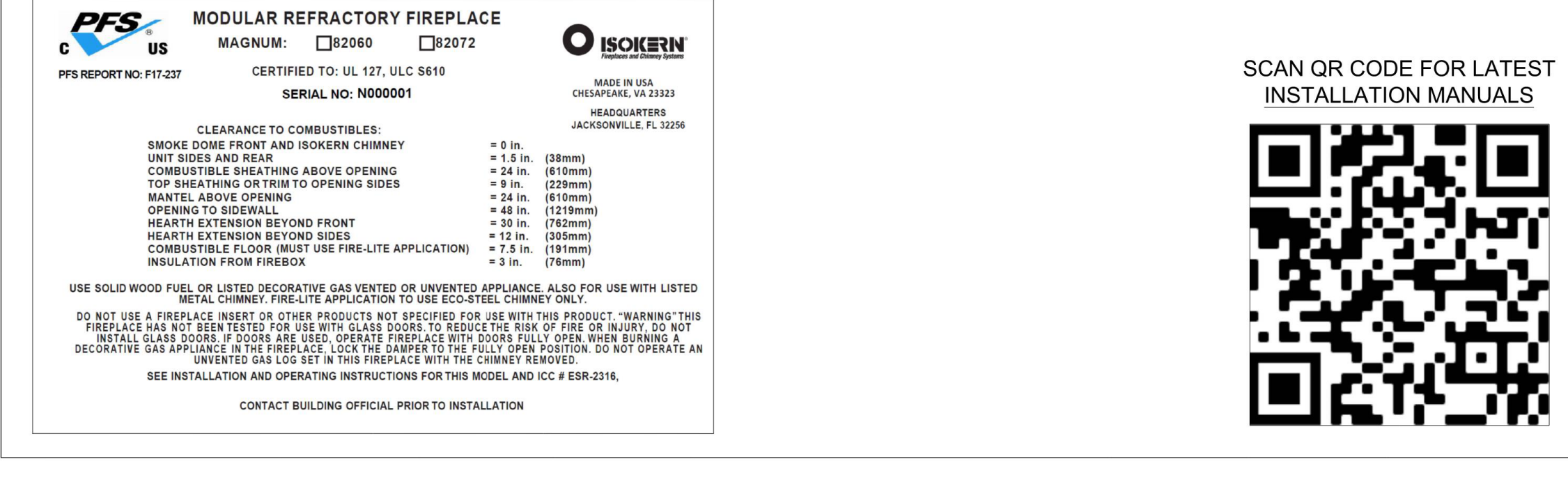
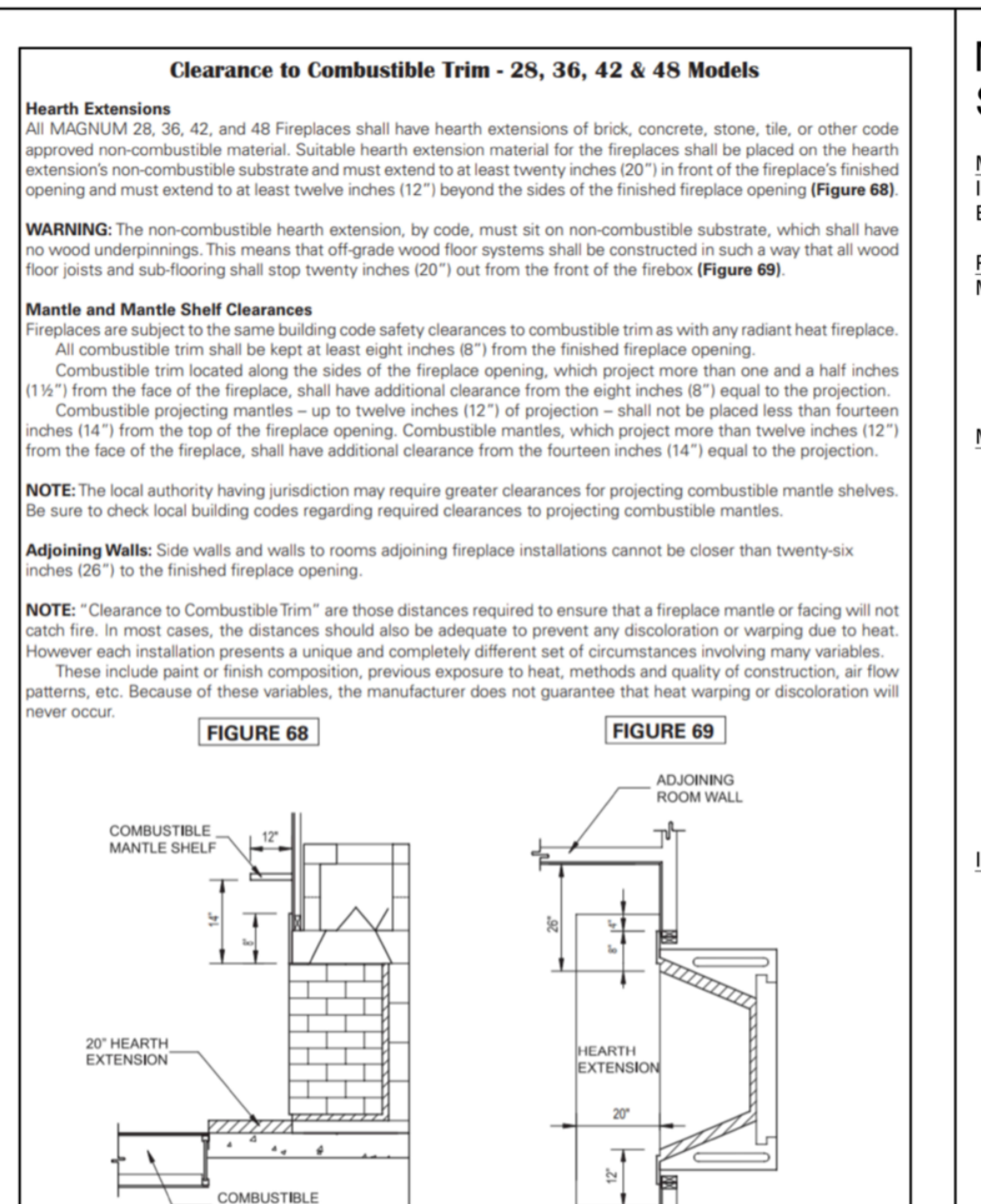
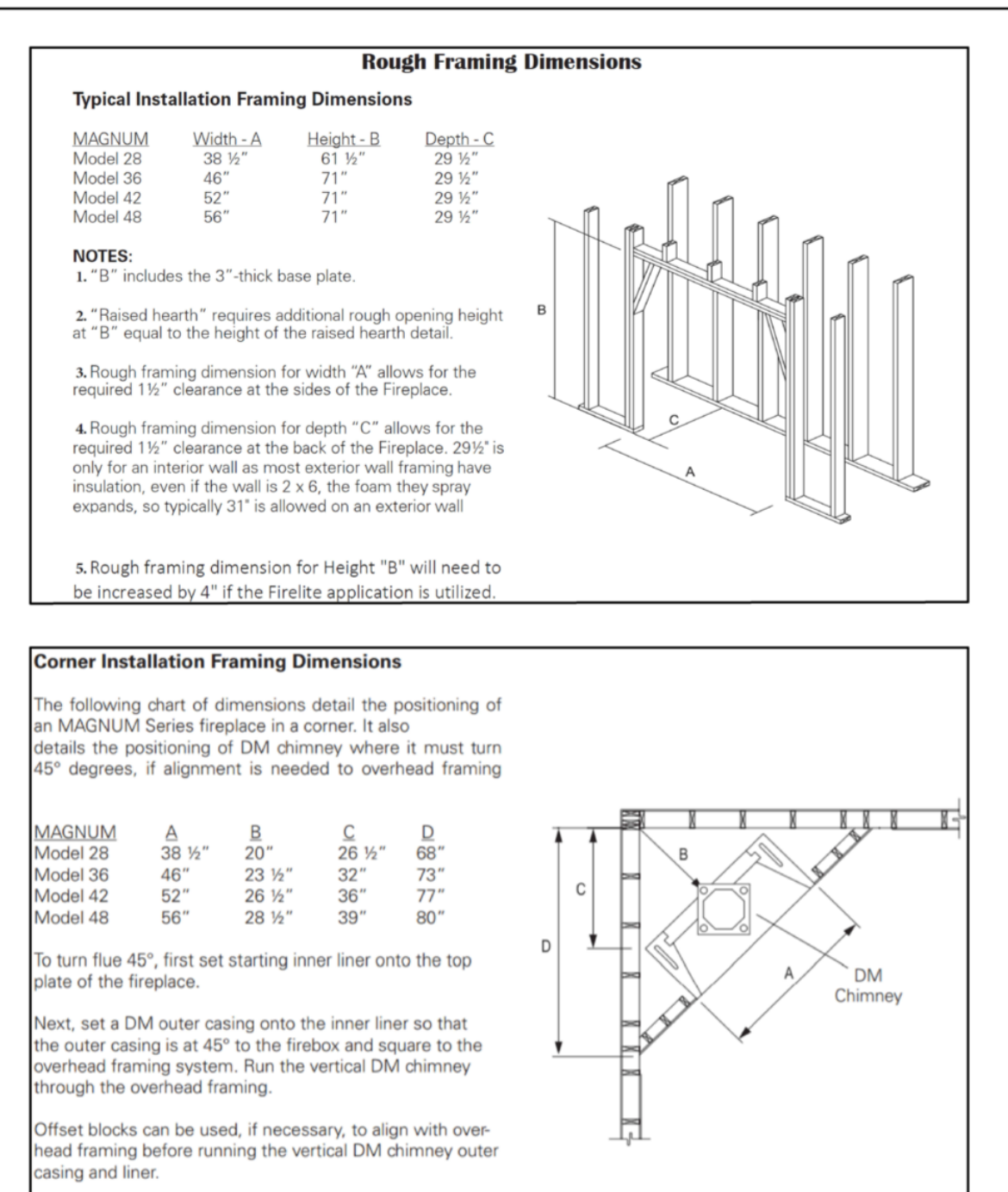
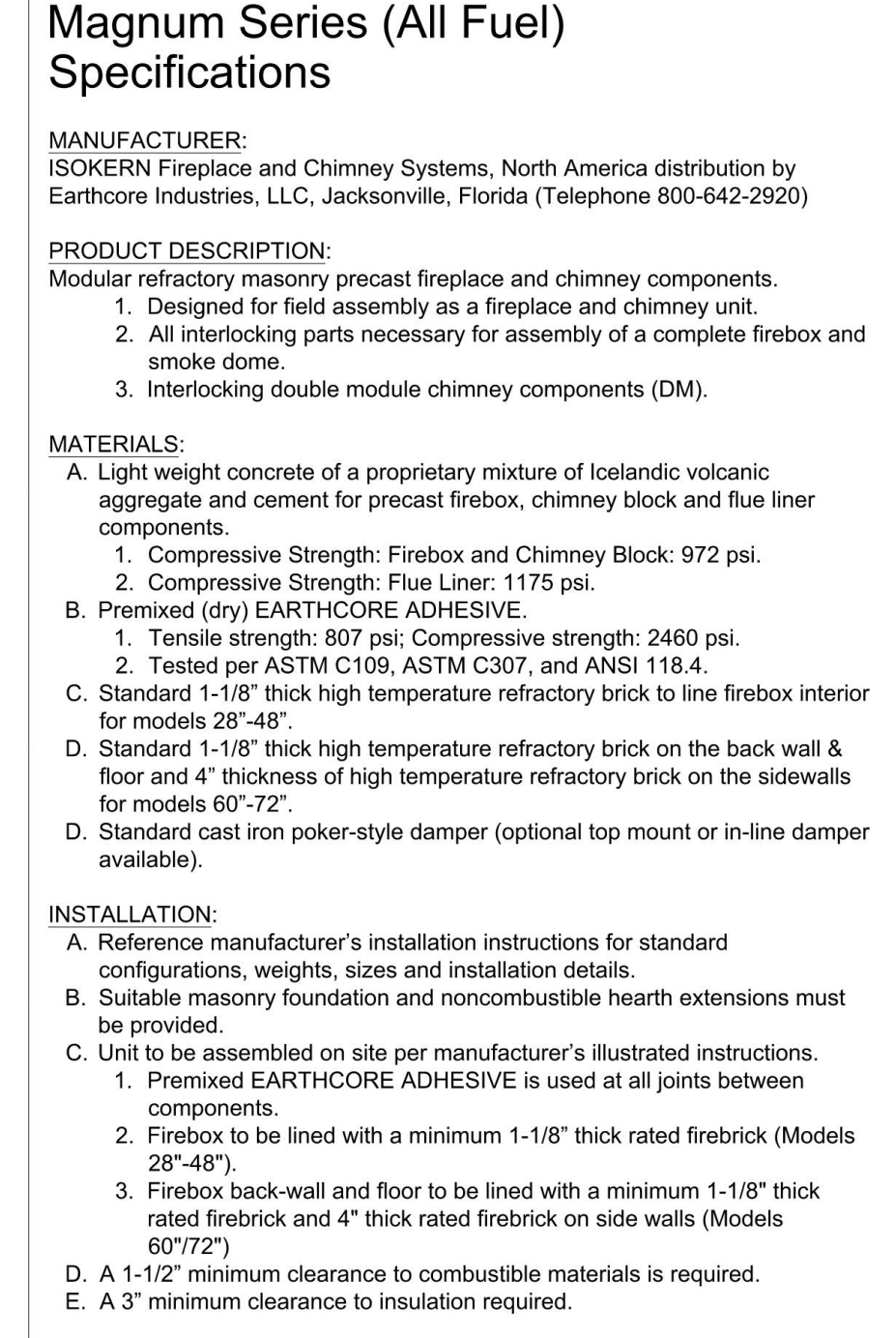
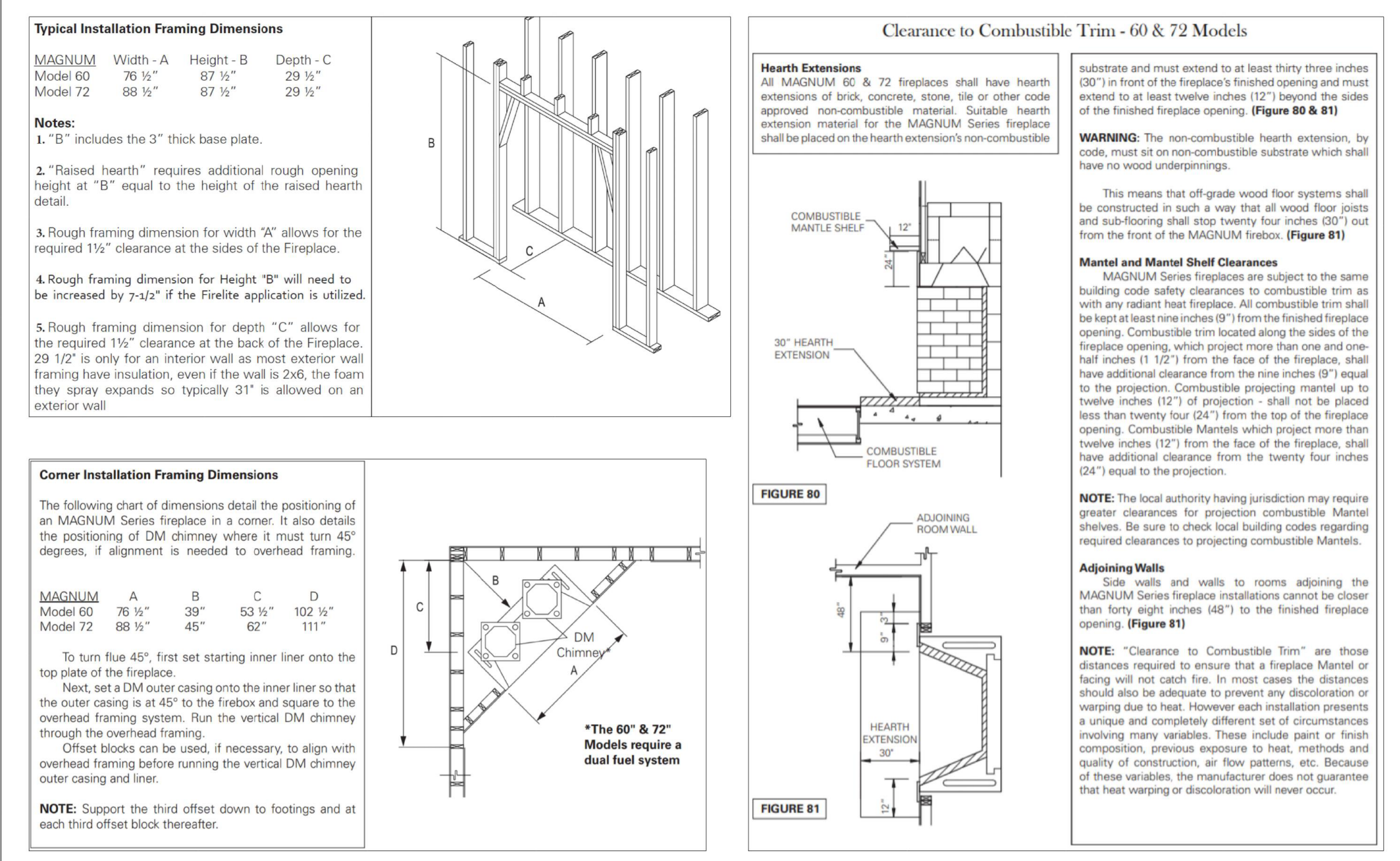
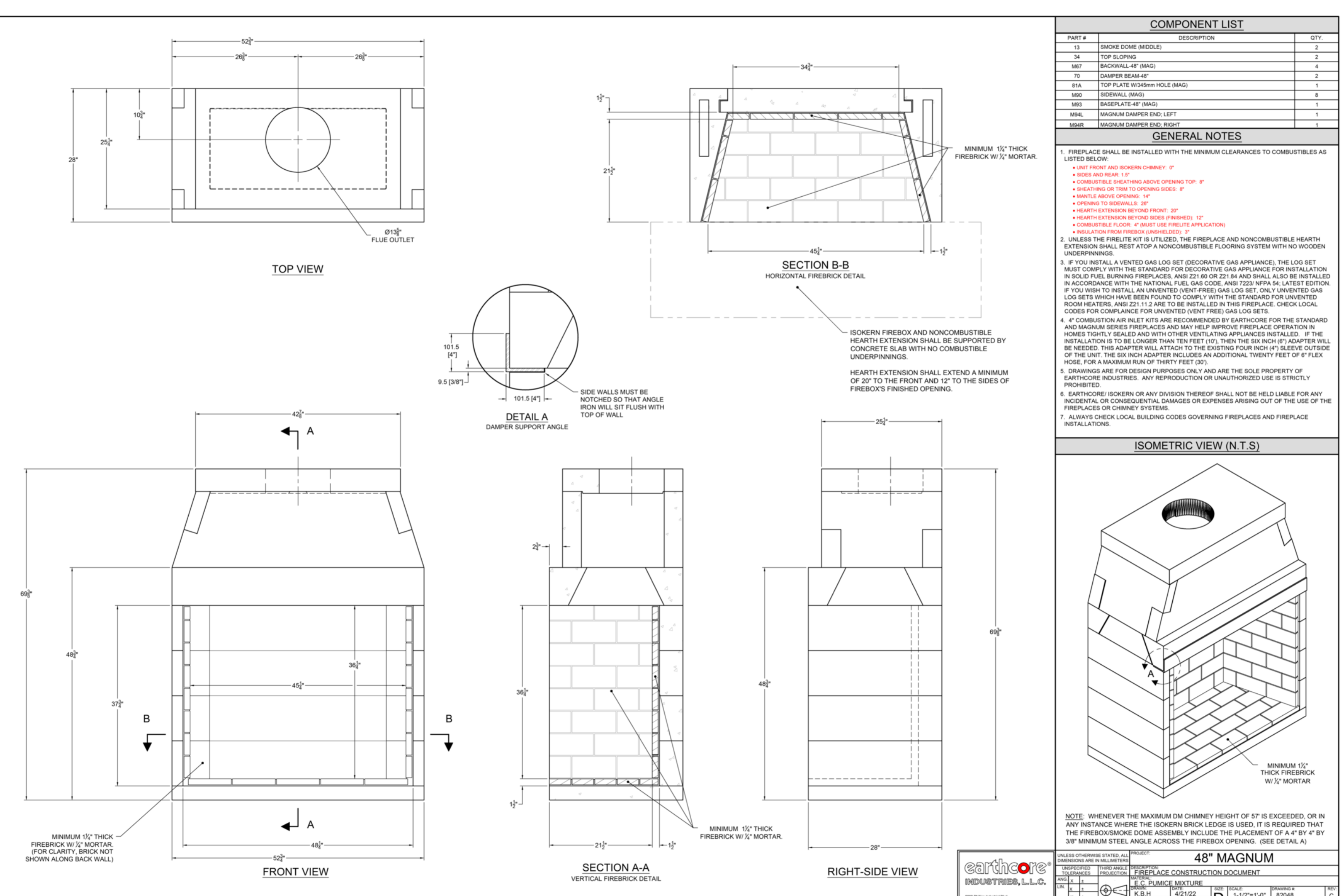
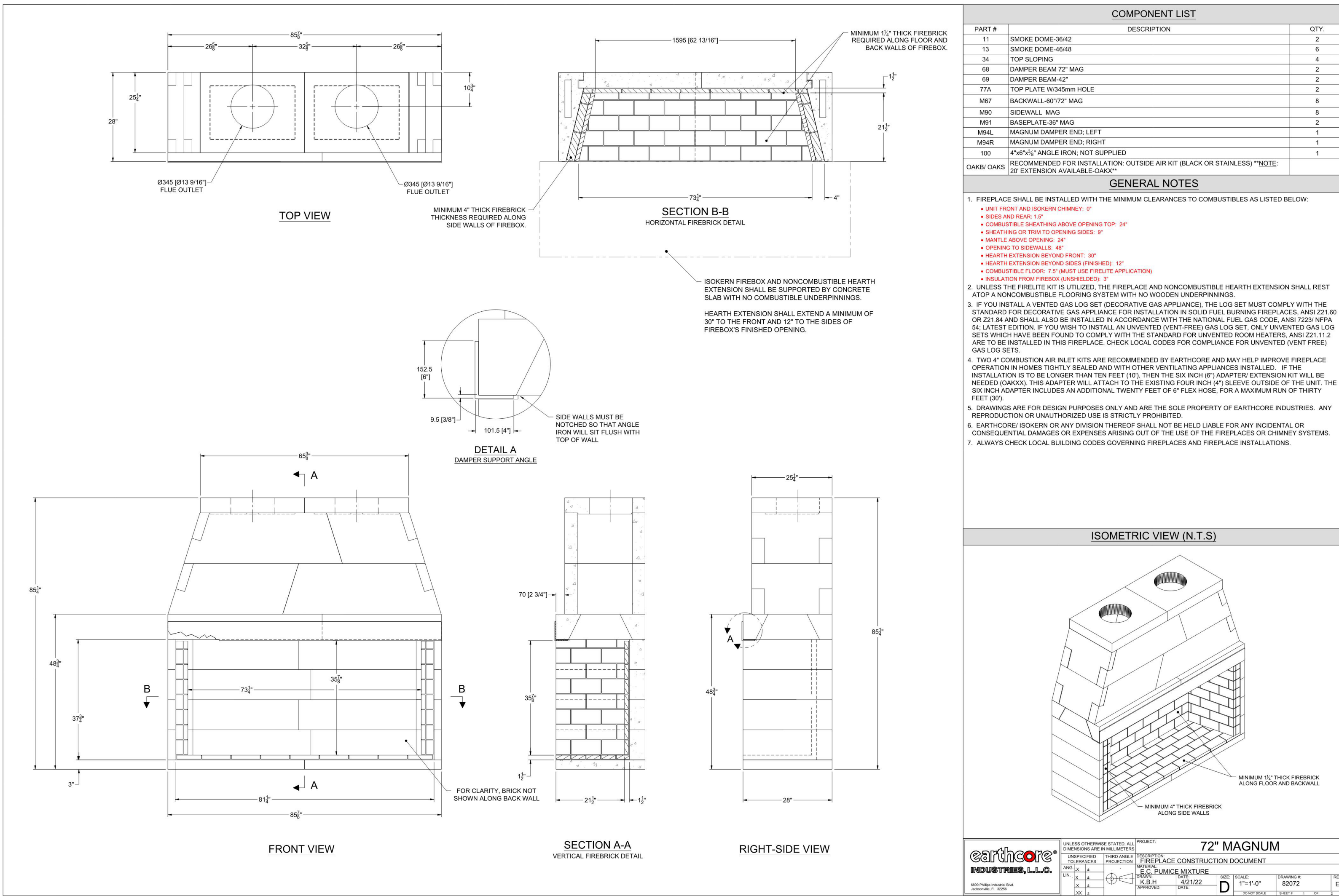


2 Stair Section 2
scale: 1/2" = 1'-0"



1 Stair Section
scale: 1/2" = 1'-0"

#	Date	Description



1 Fireplaces
scale: 12" = 1'-0"

2 Fireplaces 1
scale: 12" = 1'-0"

4 STRUCTURAL FRAMING NOTES

scale: 12" = 1'-0"

STRUCTURAL STEEL NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS
W & WT - A502 (FY = 50 KSI) C & MC - A36 (FY=36 KSI) ANGLES - A36 (FY=36 KSI)
HSS - A500 GRADE B (FY = 46 KSI) PIPES - A53 TYPE S GRADE B
PLATES AND BARS - A36 (FY = 36 KSI)
- BOLTS SHALL BE 3/4 INCH DIAMETER A325N, WITH THREADS INCLUDED IN THE SHEAR PLANE, FOR ALL STRUCTURAL FRAMING.
- BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED ACCORDING TO RCSC-2000 "SPECIFICATIONS FOR STANDARD JOINTS" USING ASTM A325 OR A490 BOLTS.
- ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS.
- ALL BOLTS IN SLOTTED HOLES SHALL BE FINGER TIGHT WITH LOCK NUTS.
- ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES. ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1. STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY. ALL BUTT WELDS SHALL BE FULL PENETRATION. MINIMUM SIZE OF FILLET WELDS SHALL CONFORM TO AISC SPECIFICATIONS.
- SHOP CONNECTIONS ARE TO BE WELDED CONNECTIONS, AND UNLESS OTHERWISE SHOWN ON THE DRAWINGS, FIELD CONNECTIONS ARE TO BE BOLTED.

STRUCTURAL WOOD FRAMING NOTES

- ALL WORKMANSHIP SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION, AND TO THE STANDARD BUILDING CODE.
- LUMBER SIZES SPECIFIED ON THE PLANS ARE MINIMUM NOMINAL DIMENSIONS.
- ALL LUMBER SHALL BE IDENTIFIED BY AN AFFIXED GRADE MARK OF A LUMBER GRADING AGENCY OR INSPECTING AGENCY.
- UNLESS NOTED OTHERWISE, LUMBER FOR BEAMS, HEADERS, AND JOISTS SHALL BE SOUTHERN YELLOW PINE #2. LUMBER FOR RAFTERS SHALL BE SPRUCE-PINE-FIR #2, AND LUMBER FOR STUDS SHALL BE SPRUCE-PINE-FIR STUD GRADE.
- FINGER JOINTED SPRUCE-PINE-FIR #2 LUMBER MEETING PRODUCT STANDARD SPS1 AND C/CQ101.97 MAY BE USED FOR RAFTERS. FINGER JOINTED STUD GRADE SPRUCE-PINE-FIR LUMBER MEETING PRODUCT STANDARD SPS3 AND C/CQ101.97 MAY BE USED FOR STUDS.
- ALL LUMBER AND WOOD STRUCTURAL PANEL MEMBERS, INCLUDING PRESERVATIVE-TREATED, 2 INCH THICK AND LESS, SHALL CONTAIN NOT MORE THAN 19% MOISTURE AT THE TIME OF INSTALLATION.
- PROVIDE PRESSURE TREATED LUMBER AT ALL LOCATIONS SPECIFIED ON THE DRAWINGS. GENERAL CONTRACTOR TO VERIFY COMPATIBILITY OF ALL METAL FASTENERS, CONNECTORS, AND HARDWARE WITH THE TYPE OF CHEMICALS USED ON ALL PRESSURE-TREATED LUMBER.
- PROVIDE SIMPSON STRONG-TIE, OR APPROVED EQUAL, CONNECTORS AT ALL LOCATIONS SHOWN ON THE PLANS.
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES, $F_b = 2650$ psi, $F_v = 285$ psi, $E = 1.9E6$ psi

5 STRUCT. LEGEND

scale: 1/4" = 1'-0"

LEGEND	
	WALL BELOW LEVEL BEING FRAMED
	WALL BELOW LEVEL BEING FRAMED
	STACKING WALLS
	POINT LOAD FROM ABOVE
	PURLIN
	PURLIN BRACE
	JOIST OR RAFTER FRAMING DIRECTION
	CEILING JOIST FRAMING DIRECTION
	RAFTER PARTIALLY BELOW OVERBUILD
	BEAM / HEADER LINE
F.J.	FLOOR JOIST
C.J.	CEILING JOIST
DBL	DOUBLE
TPL	TRIPLE
U.N.O.	UNLESS NOTED OTHERWISE
W.W.F.	WELDED WIRE FABRIC
P.T.	PRESSURE TREATED
O.C.	ON CENTER
A.P.A.	AMERICAN PLYWOOD ASSOCIATION
F.PL	FLITCH PLATE
E.W.	EACH WAY
C.T.	COLLAR TIES
P.A.F.	POWDER ACTUATED FASTENER

3 GENERAL STRUCTURAL NOTES

scale: 12" = 1'-0"

GENERAL NOTES AND REQUIREMENTS:

- COORDINATE AND VERIFY ALL DIMENSIONS AND DETAILS WITH THE ARCHITECTURAL DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES
- IF FIELD CONDITIONS VARY FROM THOSE INDICATED ON THE DRAWINGS, CONTACT THE ENGINEER BEFORE PROCEEDING
- CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND FLASHING OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE STABILITY.

FOUNDATION NOTES:

- FOUNDATIONS ARE DESIGNED TO BEAR ON RESIDUAL SOIL OR COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. BEARING CAPACITY MUST BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT. IF SOIL TEST DISCLOSE A LESSER BEARING CAPACITY, THIS FOUNDATION SYSTEM IS VOID AND MUST BE RE-DESIGNED.
- FOOTINGS SHALL BEAR 12" MINIMUM INTO UNDISTURBED EARTH OR MECHANICALLY COMPACTED FILL.
- FILL SOILS SHALL HAVE COMPACTION TESTS PERFORMED BY A GEOTECHNICAL ENGINEER.
- THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL.
- SOILS UNDER FOOTING TO BE COMPACTED TO 98% OF THE STANDARD PROCTOR DENSITY; SOILS UNDER SLABS TO BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY.
- DEPTHS OF THE FOOTINGS SHOWN ON THE DRAWINGS ARE MINIMUM. FOOTING ELEVATION MAY BE LOWERED IF FOUND NECESSARY BY THE ENGINEER.

CONCRETE NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS, ALL DETAILING, FABRICATION, ACCESSORIES, AND PLACEMENT OF REINFORCING SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. DESIGN IS IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
 - CONCRETE SHALL BE NORMAL WEIGHT GRAY CONCRETE AND DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
 - REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A615: GRADE 40 - #3 BARS GRADE 60 - #4 BARS AND LARGER
 - WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
 - WHERE THE LENGTH OF A BAR IS GIVEN, AND IT IS TO BE HOOKED, THE HOOK SHALL BE IN ADDITION TO THE LENGTH GIVEN.
 - NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN SLABS OR WALLS.
 - ALL CONSTRUCTION JOINTS SHALL BE ROUGH SURFACE AND CLEANED BEFORE THE NEXT CONCRETE POUR.
 - WHERE OPENINGS OCCUR IN SLABS, PLACE THE REINFORCING THAT NORMALLY OCCURS IN LINE WITH THE OPENING EQUALLY TO EITHER SIDE OF THE OPENING. CUT NO STEEL IN THE FIELD.
 - MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS SHALL BE CHECKED FOR EMBEDDED ITEMS AND PENETRATIONS PRIOR TO CONCRETE PLACEMENT.
 - MINIMUM LAP SPLICE LENGTHS:
- COMPRESSION
#4 - 15"
#5 - 19"
#6 - 23"
- TENSION
#4 - 29"
#5 - 36"
#6 - 43"

DESIGN LOADS

DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE WITH GEORGIA AMENDMENTS

ROOF LIVE LOAD	= 20 PSF REDUCED AS ALLOWED FOR PITCH
ROOF DEAD LOAD	= 10 PSF
CEILING LIVE LOAD	= 20 PSF
CEILING DEAD LOAD	= 10 PSF
FLOOR LIVE LOAD	= 30 PSF BEDROOMS
	= 40 PSF ALL OTHER ROOMS
FLOOR DEAD LOAD	= 10 PSF
WEATHERING	= MODERATE
FROST LINE DEPTH	= 12 INCH
TERMITE AREA	= VERY HEAVY
WINTER DESIGN TEMP	= 22 DEGREES F

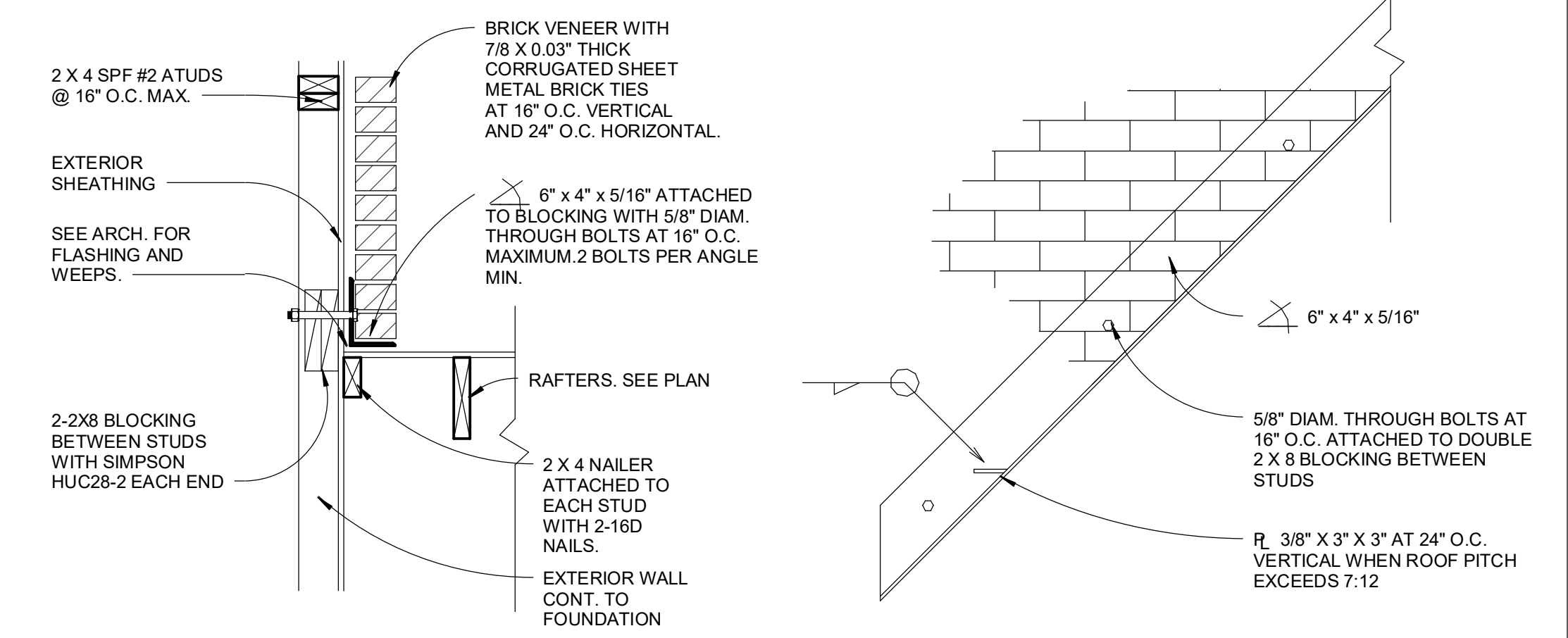
BASIC WIND SPEED (V_{ult}) - 115 MPH WIND EXPOSURE - B
INTERNAL PRESSURE COEFFICIENTS - +0.18
WALL COMPONENT AND CLADDING LOADS (ASD, psf)

	INTERIOR ZONE	END ZONE
10 SF	14.3-15.0	14.3-19.0
20 SF	13.6-14.0	13.6-17.0
50 SF	12.8-14.0	12.8-16.0
100 SF	12.1-13.0	12.1-14.0

SEISMIC DESIGN CATEGORY B

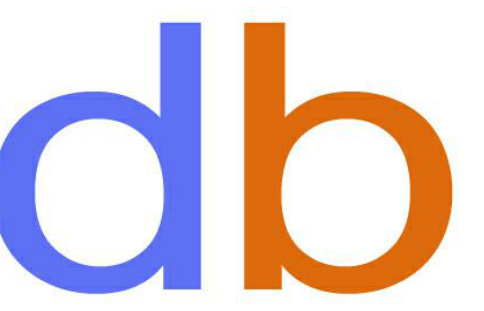
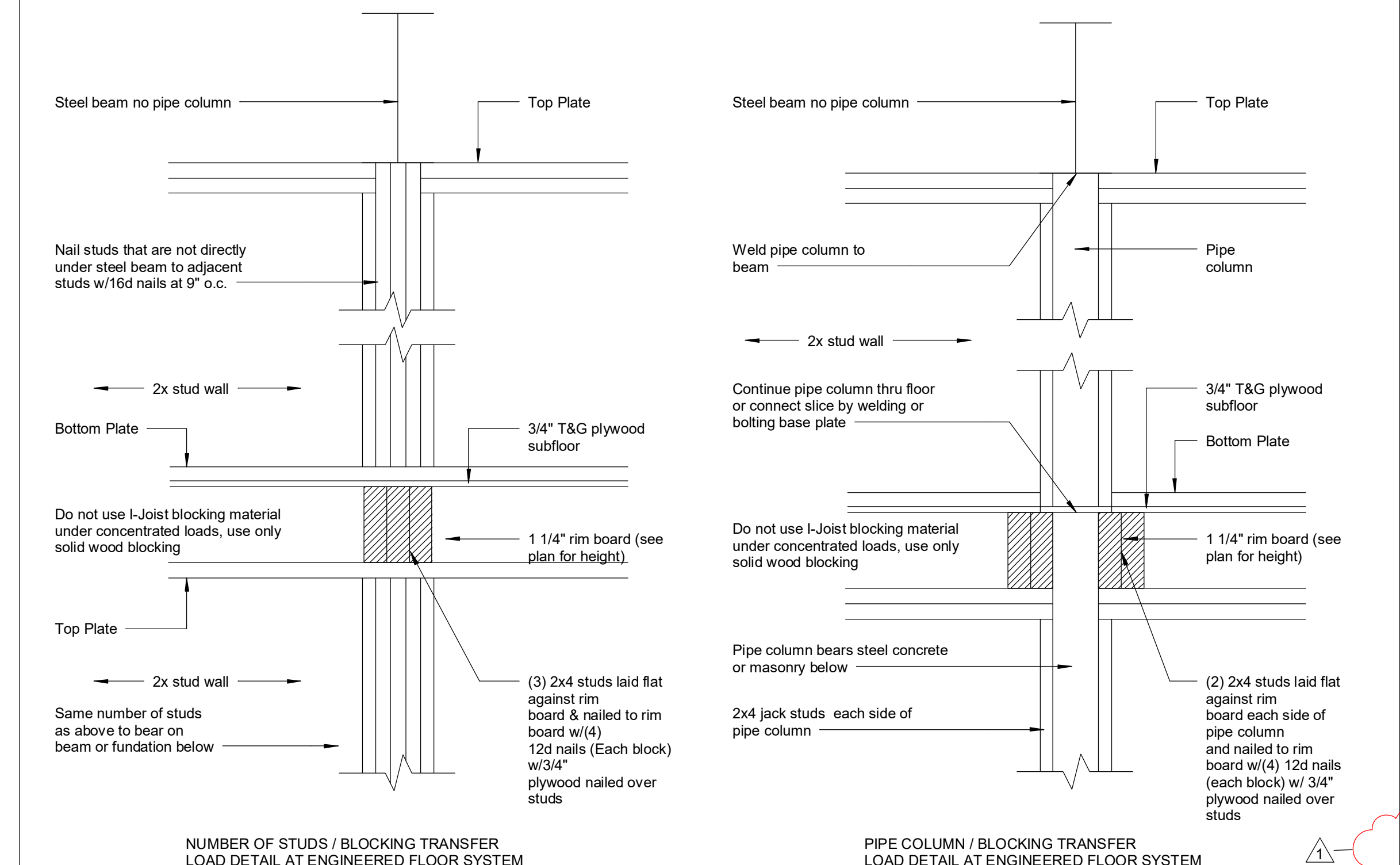
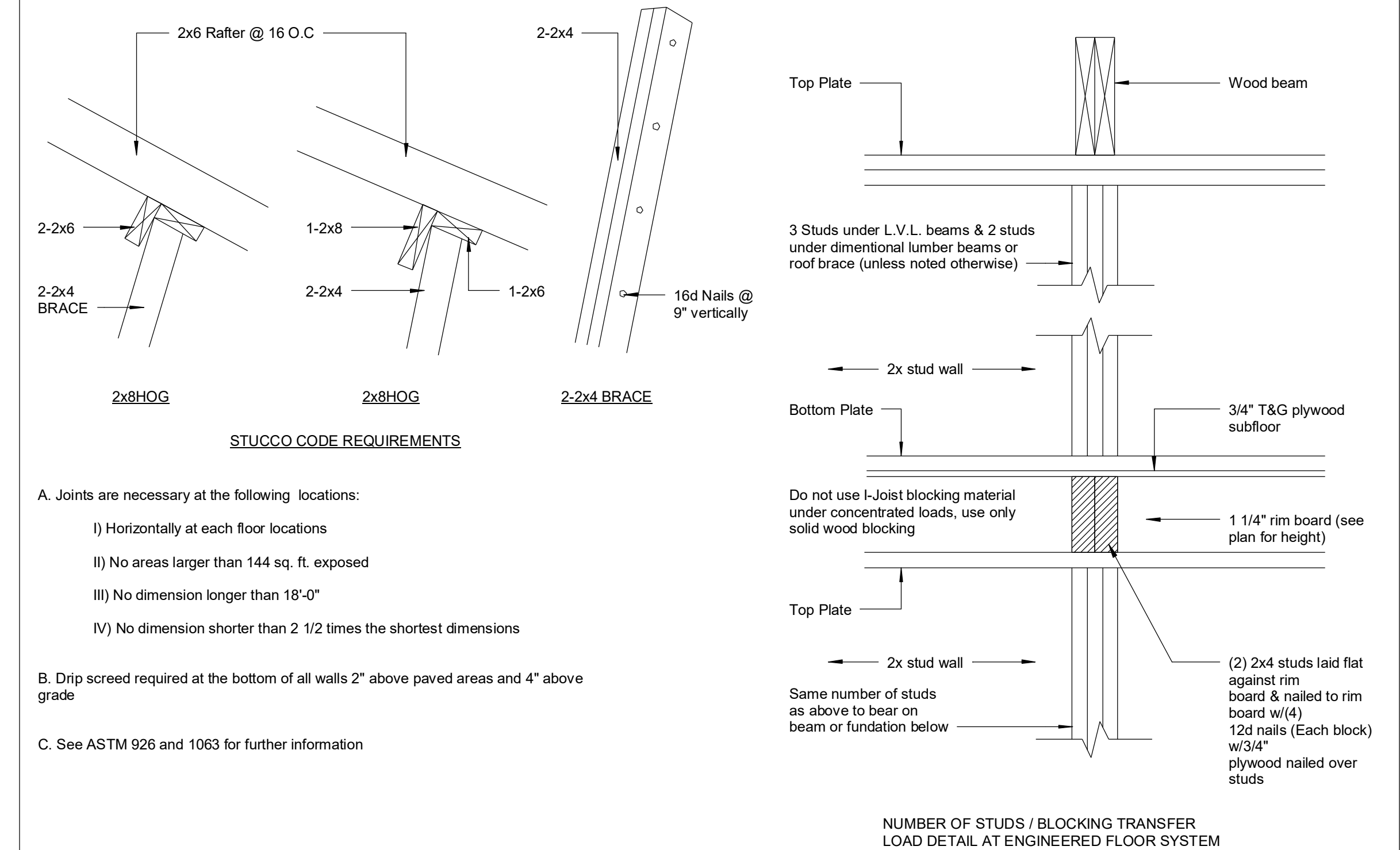
2 BRICK OVER ROOF SUPPORT DETAIL

scale: 1" = 1'-0"

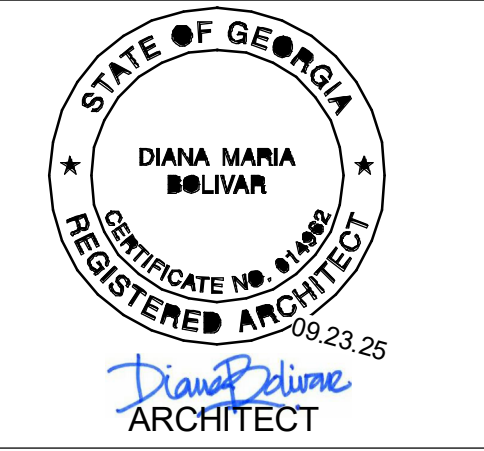


1 TYPICAL POINT LOAD DETAILS

scale: 1" = 1'-0"



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CONSULTANTS

295 Karen Drive
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Alpharetta, GA

Revision Schedule

#	Date	Description
1	02.13.24	Permit Review / Client revs.

GENERAL / STRUCTURAL NOTES

Project Number 23-024

Date 03.03.26

Drawn By dmb

Checked By Checker

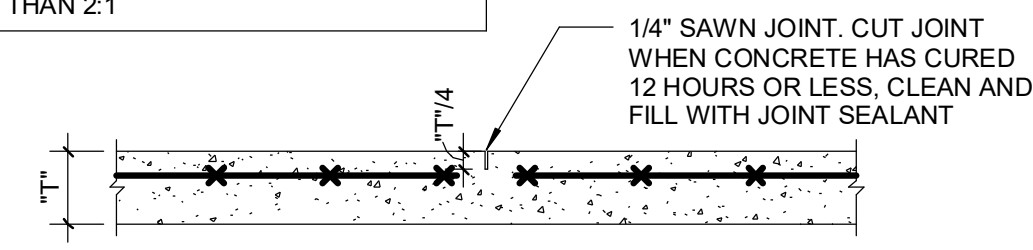
GN1

Scale As indicated

3 STANDARD CONCRETE CONSTRUCTION DETAILS

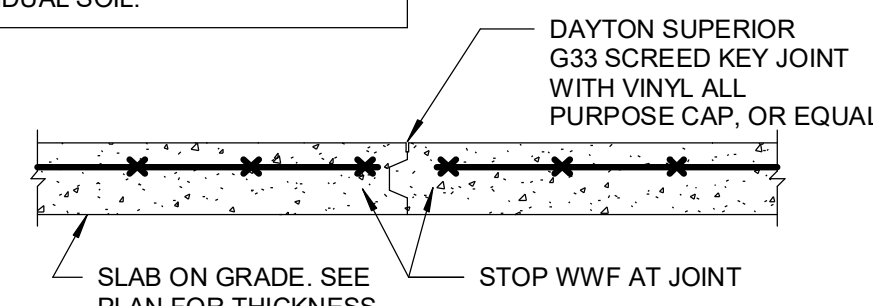
scale: 3/8" = 1'-0"

PROVIDE CONTROL JOINTS SO THAT THE MAXIMUM AREA BOUNDED WITHIN CONTROL JOINTS IS 900 SQUARE FEET, AND THE RATIO OF THE SIDES IS NO MORE THAN 2:1



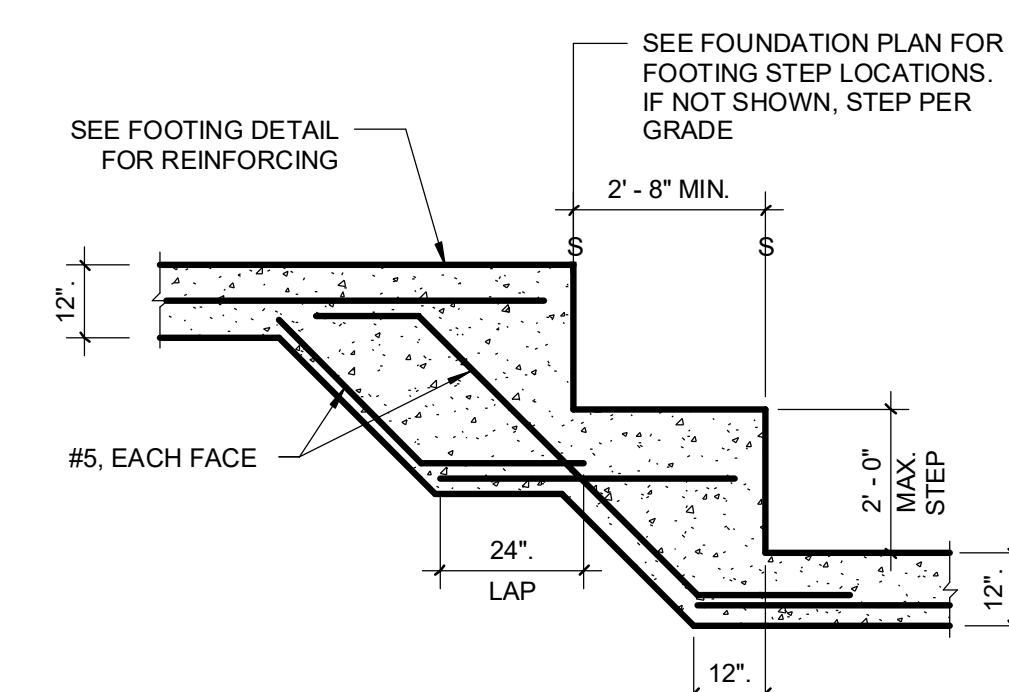
TYPICAL CONTROL JOINT

CONTRACTOR TO LOCATE CONSTRUCTION JOINTS AT ALL LOCATIONS WHERE STRUCTURAL SUPPORT CHANGES FROM FILL TO RESIDUAL SOIL.

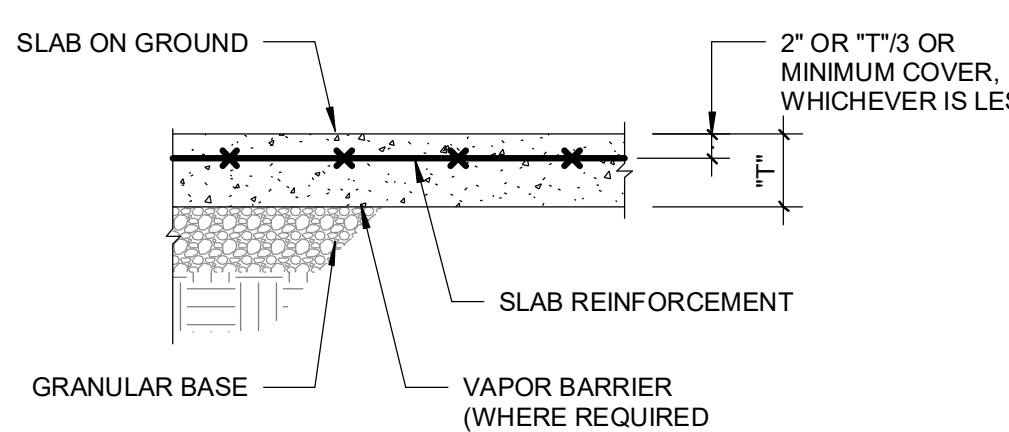


TYPICAL CONTROL JOINT

CONCRETE COVER	
	MINIMUM COVER (INCHES)
CONCRETE CAST AGAINST EARTH AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	
NO. 6 THROUGH NO. 18 BAR	2"
NO. 5 BAR, W31 OR D31 WIRE AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, WALLS, JOISTS	3/4"
BEAMS & COLUMNS	1 1/2"



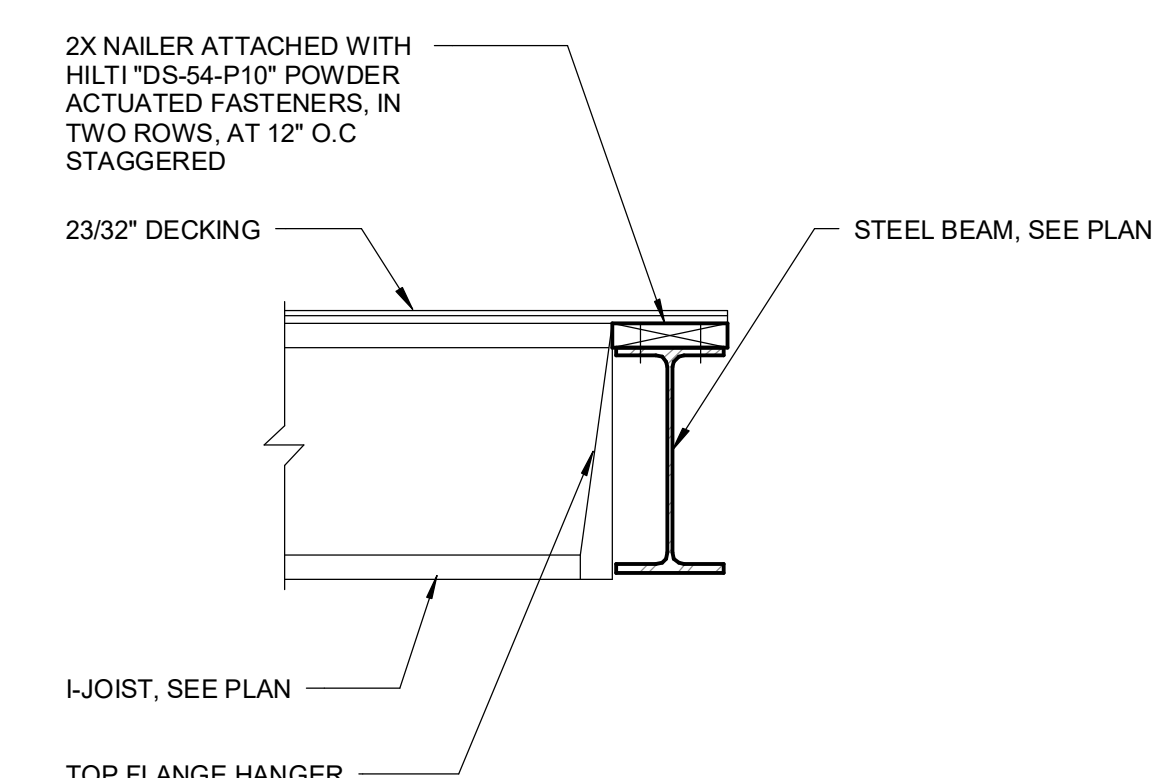
TYPICAL STEPPED FOOTING



TYPICAL SLAB ON GROUND

2 I-JOIST TO LVL DTL.

scale: 1" = 1'-0"



diana bolivar
NCARB, LEED AP BD + C
110 Rockhound Drive,
Dahlonega, GA 30533

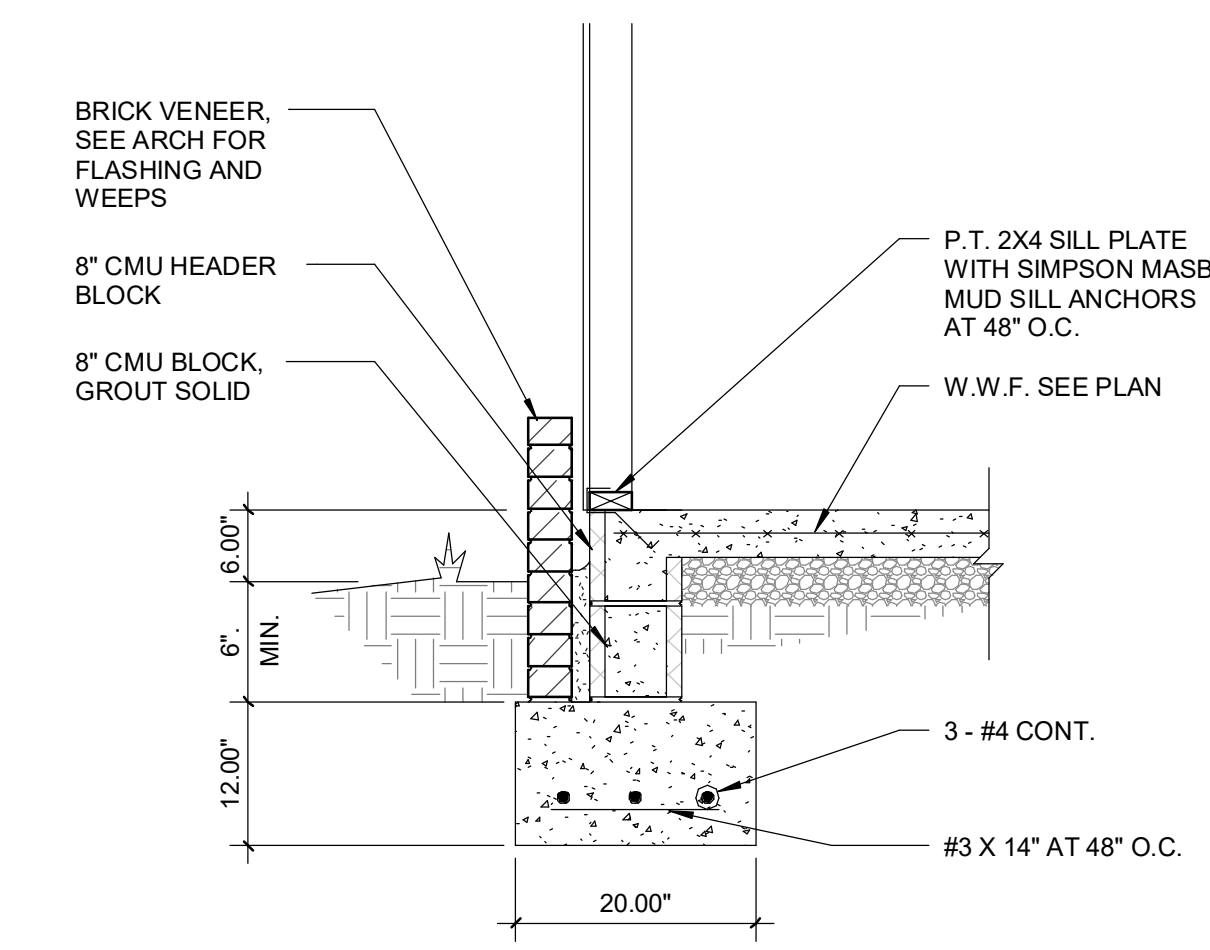
Diana Bolivar
REGISTERED ARCHITECT

CONSULTANTS

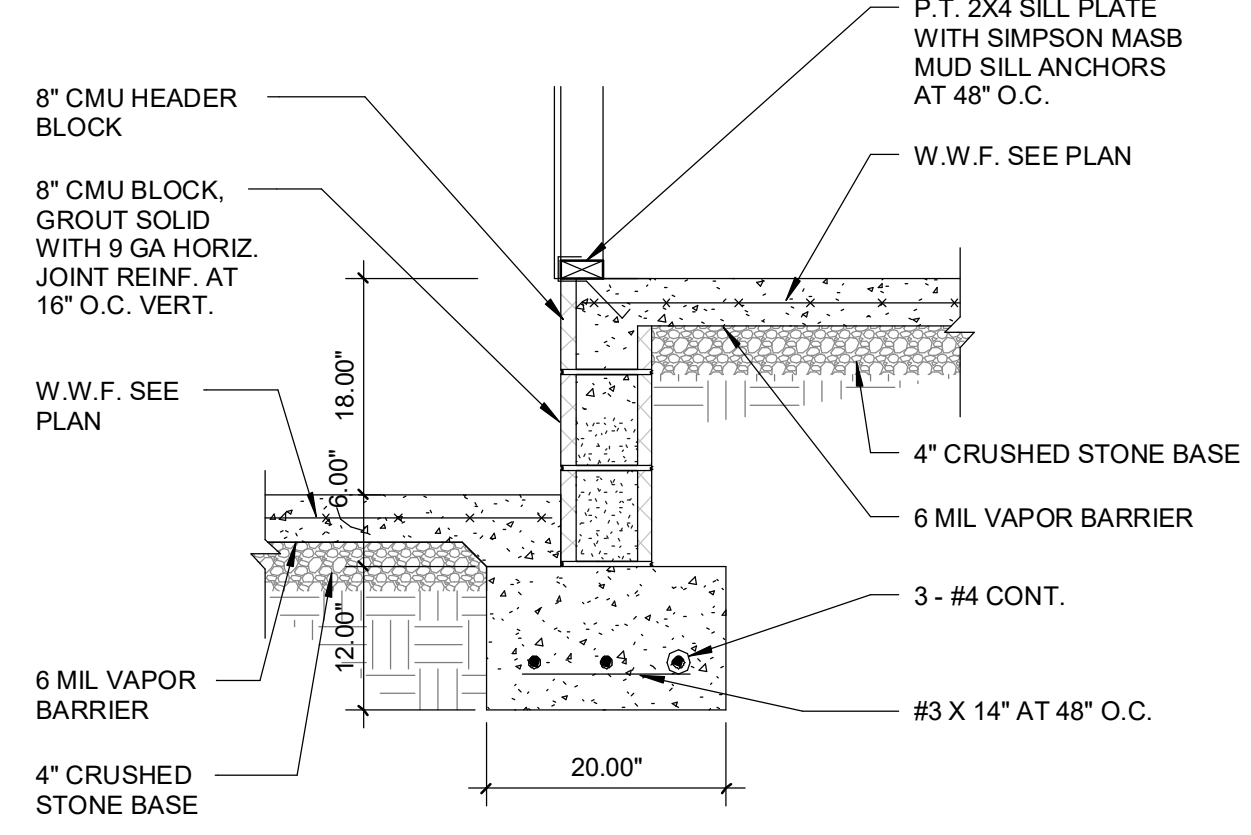
295 Karen Drive
MADEWELL HOMES
Alpharetta, GA

1 FOUNDATION DTLS.

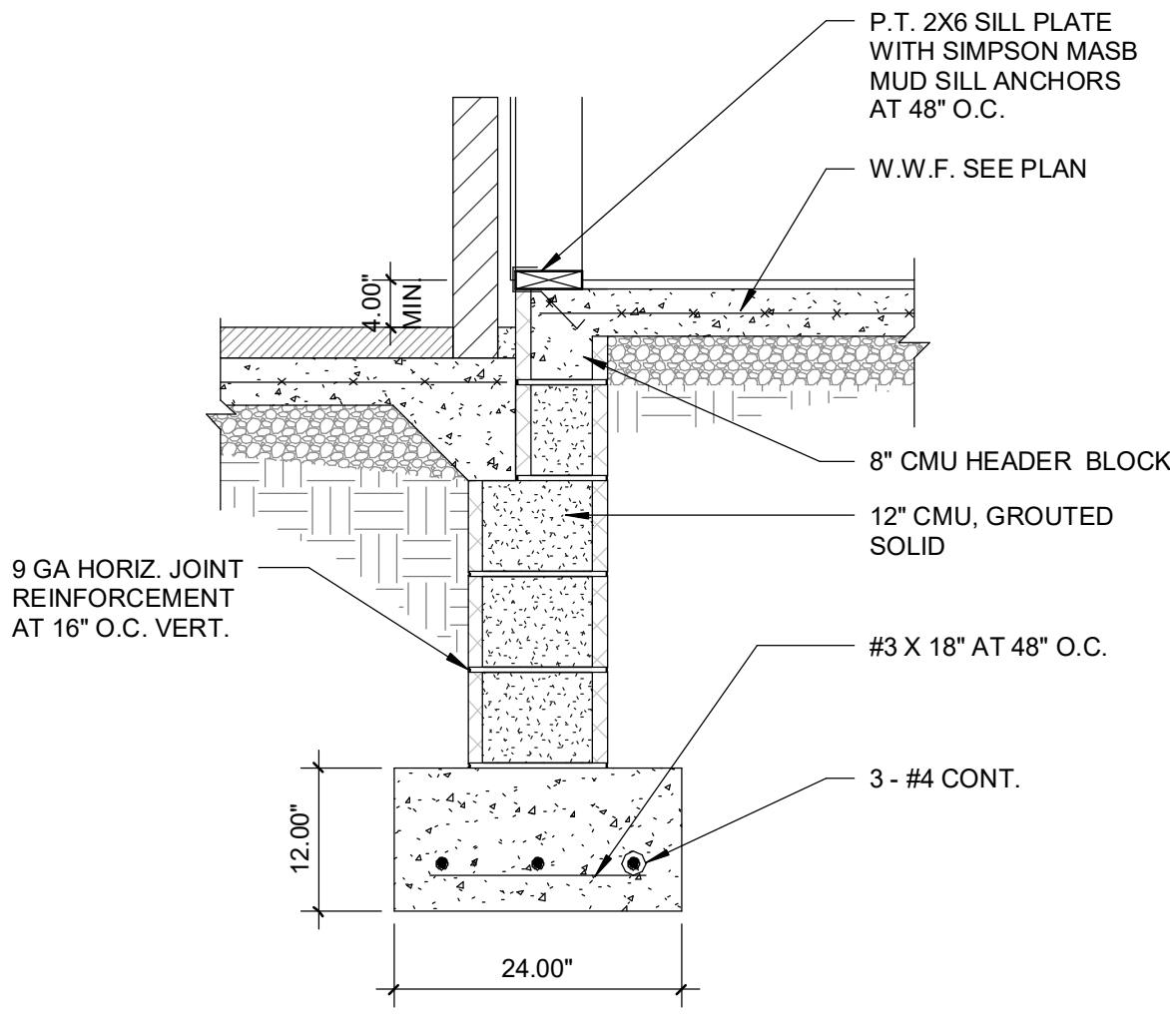
scale: 3/4" = 1'-0"



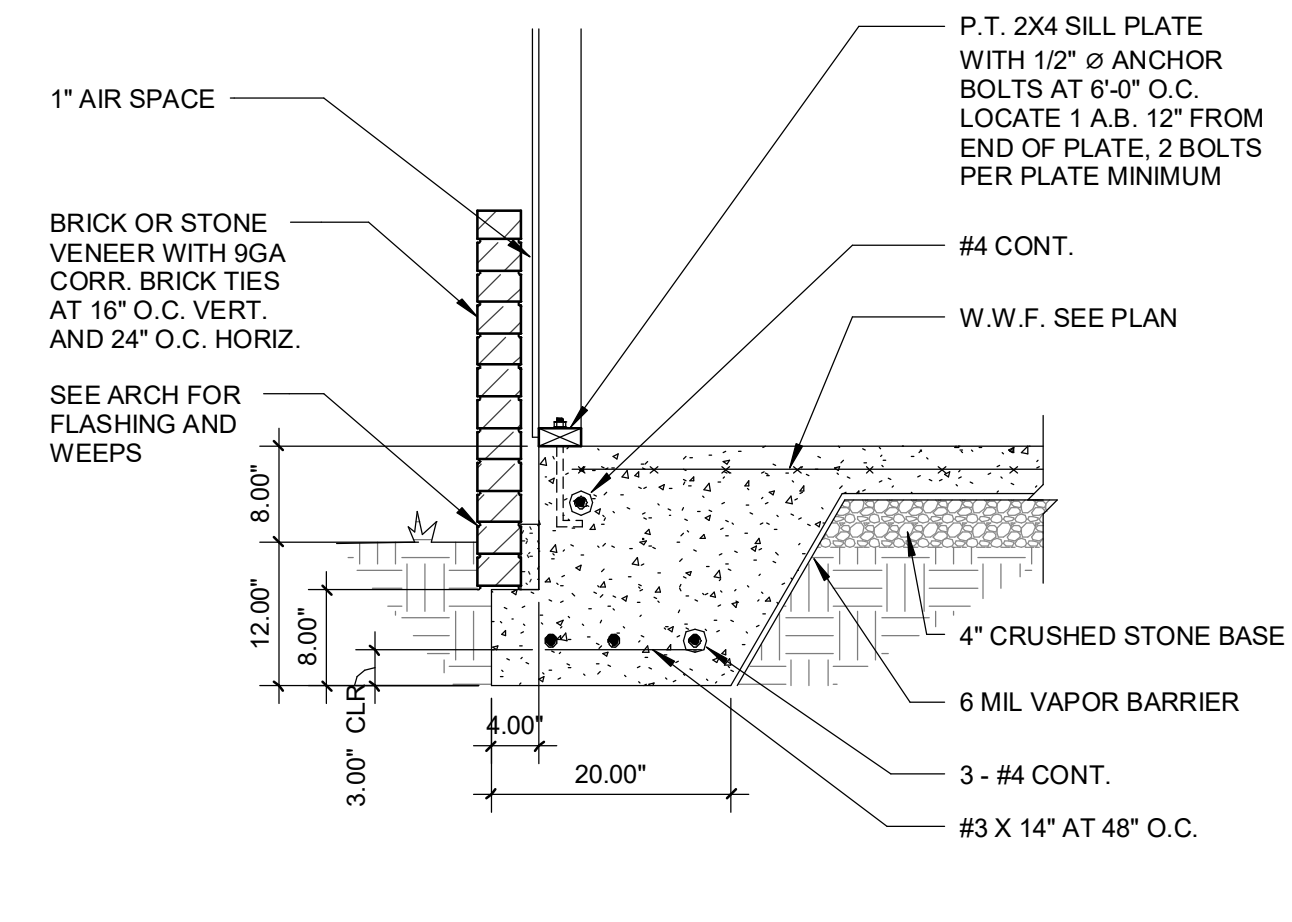
EXTERIOR WALL @ GARAGE



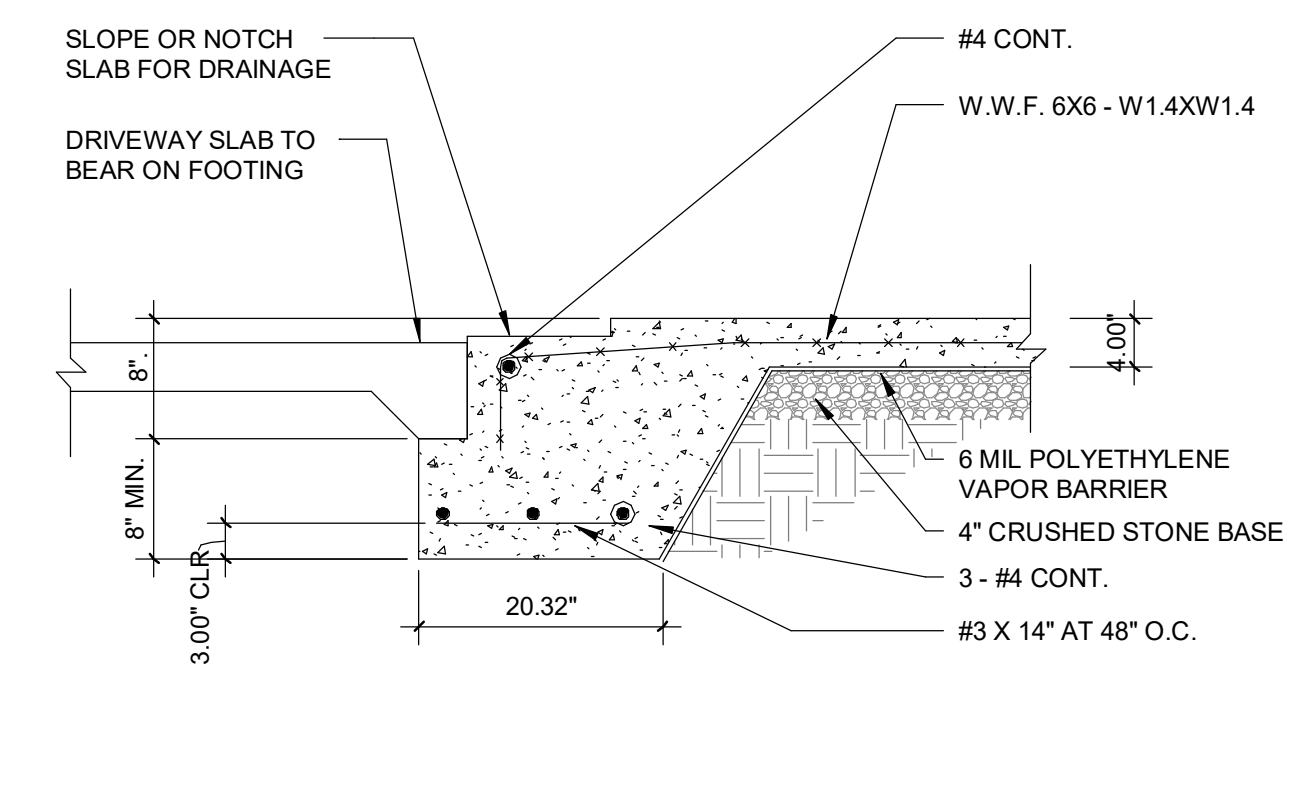
GARAGE TO HOUSE DTL.



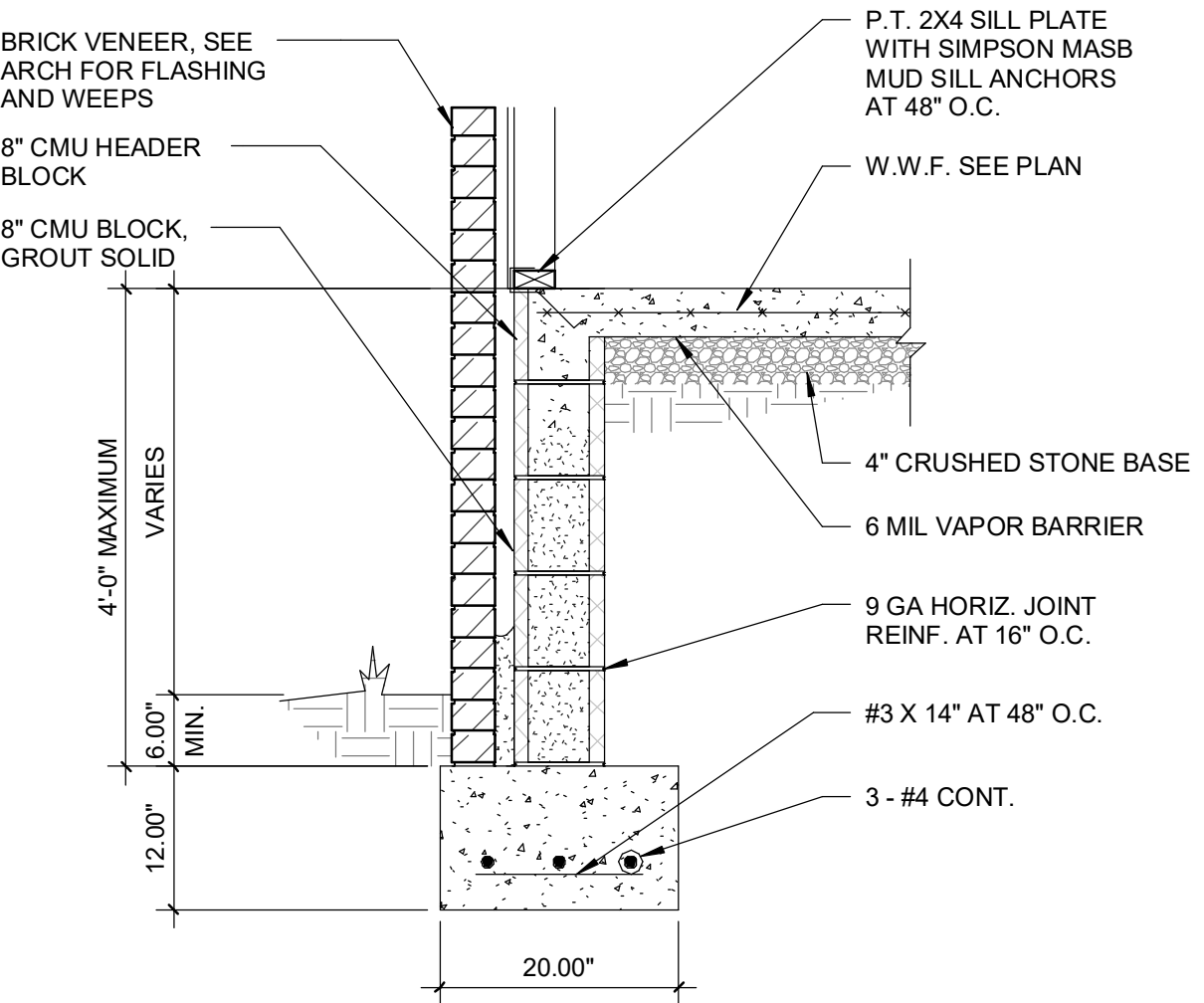
TERRACE TO HOUSE DTL.



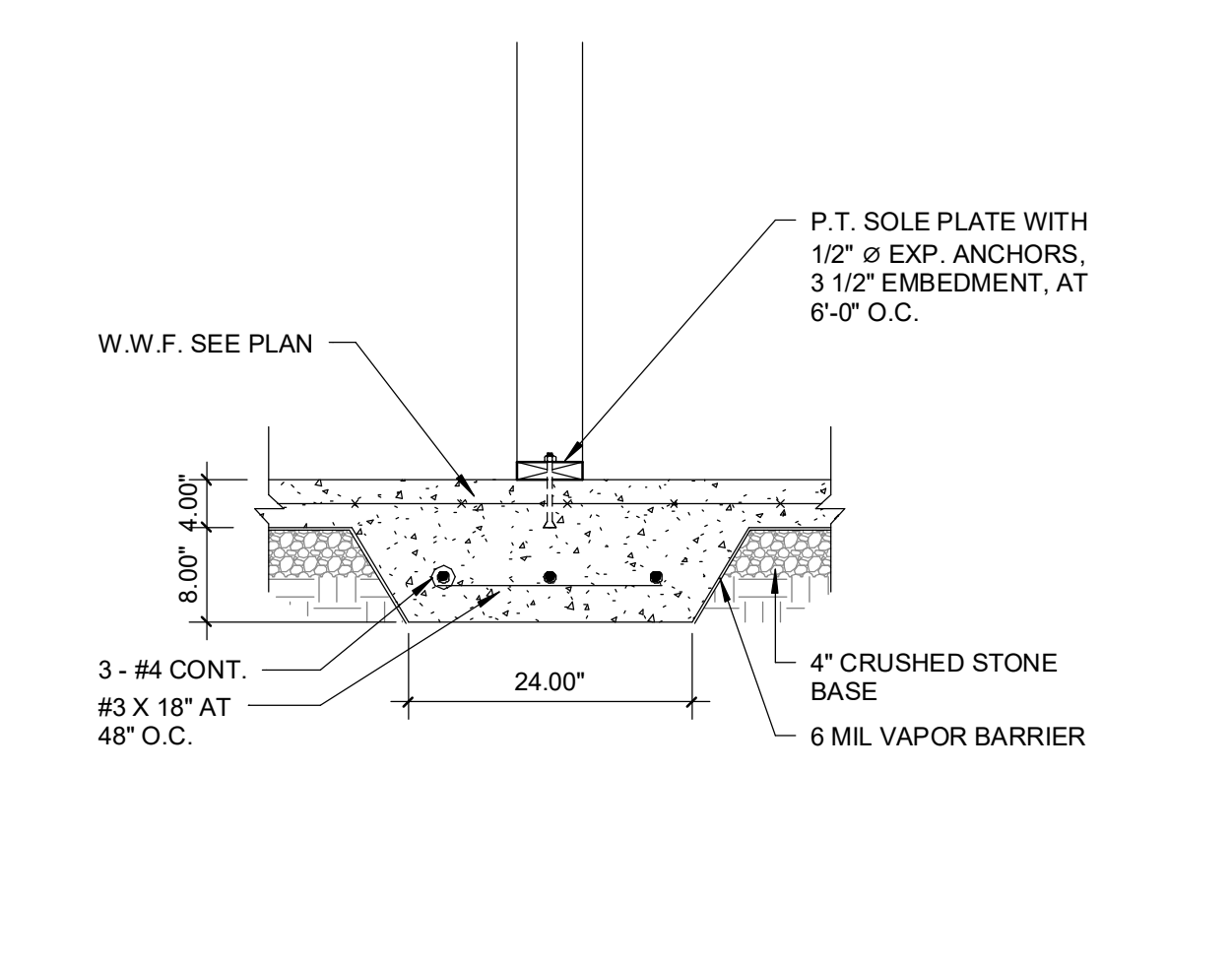
EXT. GARAGE WALL DTL.



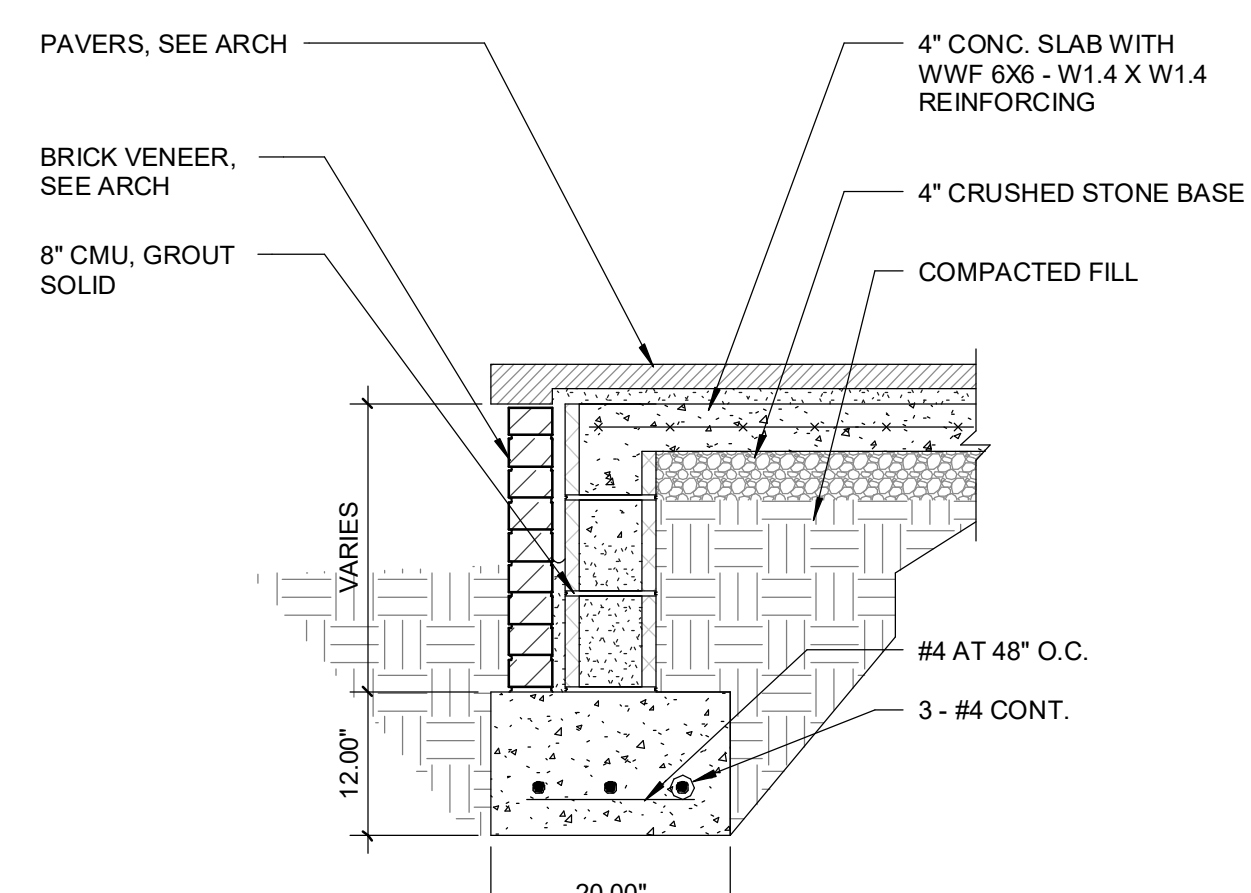
EXT. GARAGE AT DOOR DTL.



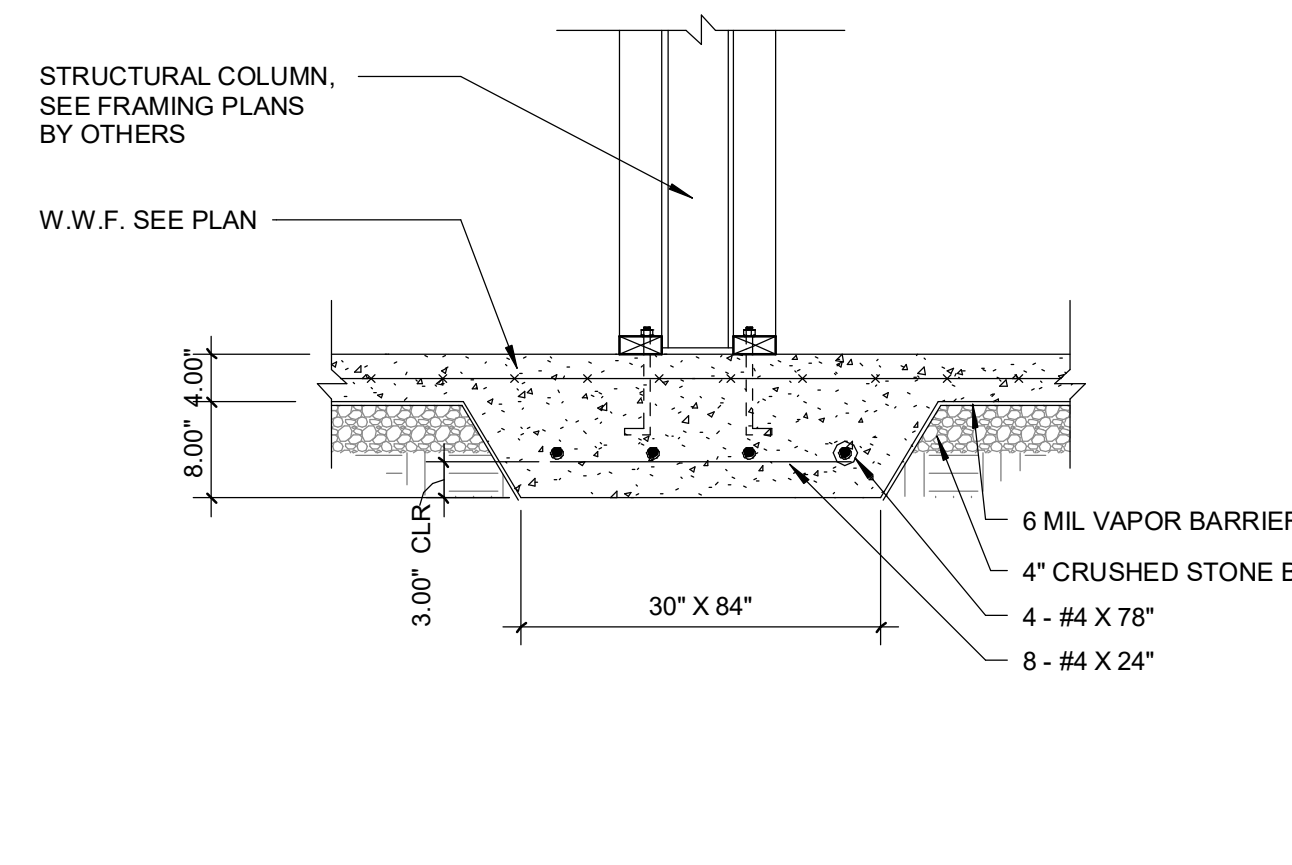
EXTERIOR WALL @ HOUSE



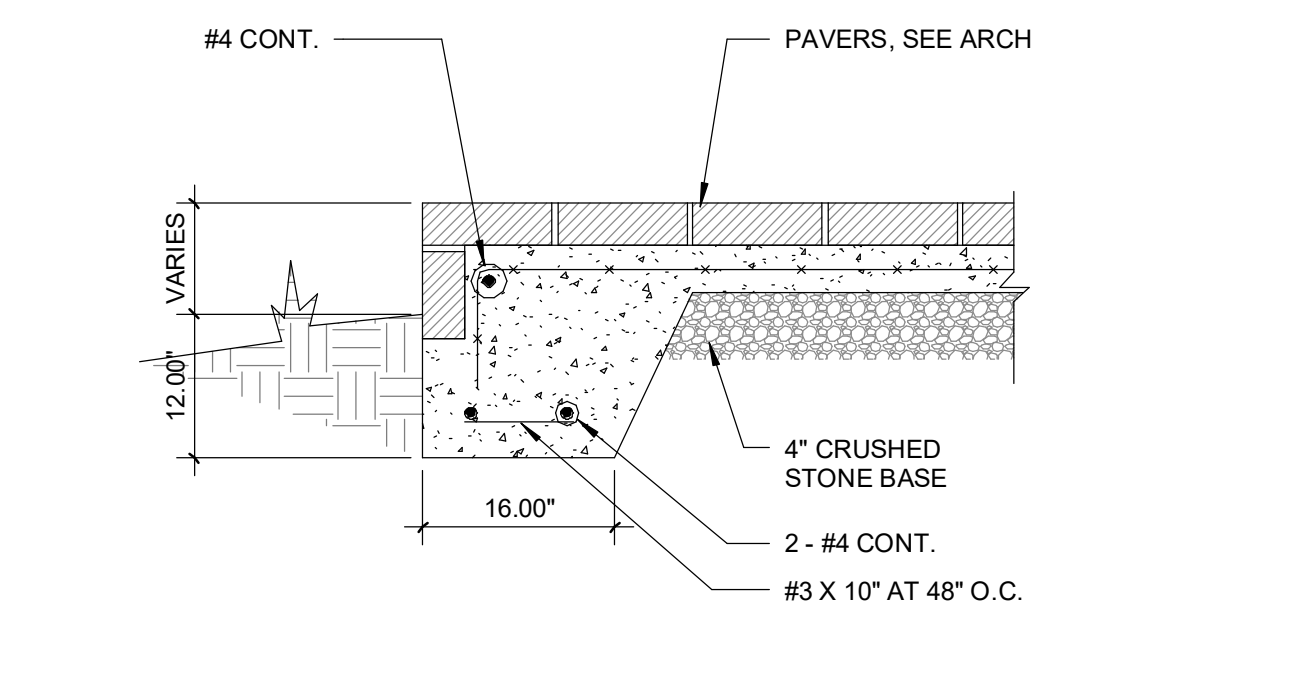
INT. BEARING WALL



TERRACES WITH PAVERS



INT. STRUCT. COLUMN



CONC. SLAB W/ PAVERS

Revision Schedule		
#	Date	Description
1	02.13.24	Permit Review / Client revs.

GENERAL / STRUCTURAL DTLS.

Project Number 23-024
Date 03.03.26
Drawn By dmb
Checked By Checker

GN2
Scale As indicated

4/2/2026 8:53:58 AM

1 TABLE R602.3(1) FASTENING SCHEDULE

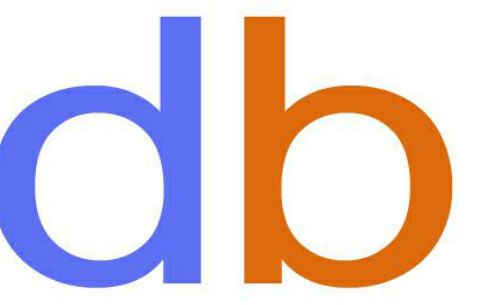
scale: 1/4" = 1'-0"

TABLE R602.3(1) FASTENING SCHEDULE			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{A,B,C}	SPACING AND LOCATION
ROOF			
1	BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE	4 - 8D BOX (2 1/2" X 0.113"), OR 3 - 8D COMMON (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	TOE NAIL
2	CEILING JOISTS TO TOP PLATE	4 - 8D BOX (2 1/2" X 0.113"), OR 3 - 8D COMMON (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	PER JOIST, TOE NAIL
3	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (SEE SECTION R802.5.2) AND TABLE R802.5.2)	4 - 10D BOX (3" X 0.128"), OR 3 - 16D COMMON (3 1/2" X 0.162"), OR 4 - 3" X 0.131" NAILS	FACE NAIL
4	CEILING JOISTS ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE SECTION R802.5.2 AND TABLE R802.5.2)	TABLE R802.5.2	FACE NAIL
5	COLLAR TIE TO RAFTER, FACE NAIL OR 1 1/4" X 20 GA RIDGE STRAP TO RAFTER	4 - 10D BOX (3" X 0.128"), OR 3 - 10D COMMON (3" X 0.148"), OR 4 - 3" X 0.131" NAILS	FACE NAIL EACH RAFTER
6	RAFTER OR ROOF TRUSS TO PLATE	3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 3 - 10D COMMON NAILS (3" X 0.148"), OR 4 - 10D BOX (3" X 0.128"), OR 4 - 3" X 0.131" NAILS	2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS
7	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS OR ROOF RAFTER TO MINIMUM 2X RIDGE BEAM	4 - 16D BOX NAILS (3 1/2" X 0.135"), OR 3 - 10D COMMON NAILS (3" X 0.148"), OR 4 - 10D BOX (3" X 0.128"), OR 4 - 3" X 0.131" NAILS	TOE NAIL
		3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 2 - 16D COMMON NAILS (3 1/2" X 0.162"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	END NAIL
WALL			
8	STUD TO STUD (NOT AT BRACED WALL PANELS)	16D COMMON (3 1/2" X 0.162")	24" O.C. FACE NAIL
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	10D BOX (3" X 0.128"), OR 3" X 0.131" NAILS	16" O.C. FACE NAIL
10	BUILT-UP HEADER (2" TO 2" HEADER WITH 1/2" SPACER)	10D BOX (3" X 0.128"), OR 3" X 0.131" NAILS	12" O.C. FACE NAIL
11	CONTINUOUS HEADER TO STUD	16D COMMON (3 1/2" X 0.162")	16" O.C. EACH EDGE FACE NAIL
12	TOP PLATE TO TOP PLATE	16D COMMON (3 1/2" X 0.162")	12" O.C. EACH EDGE FACE NAIL
13	DOUBLE TOP PLATE SPLICE	8 - 16D COMMON NAILS (3 1/2" X 0.162"), OR 12 - 16D BOX NAILS (3 1/2" X 0.135"), OR 12 - 10D BOX (3" X 0.128"), OR 12 - 3" X 0.131" NAILS	FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
14	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16D COMMON (3 1/2" X 0.162")	16" O.C. FACE NAIL
15	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANEL)	16D BOX (3 1/2" X 0.135"), OR 2 - 16D COMMON (3 1/2" X 0.162"), OR 4 - 3" X 0.131" NAILS	TOE NAIL
16	TOP OR BOTTOM PLATE TO STUD	4 - 8D BOX NAILS (2 1/2" X 0.113"), OR 3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 4 - 8D COMMON (2 1/2" X 0.131"), OR 4 - 10D BOX (3" X 0.128"), OR 4 - 3" X 0.131" NAILS	TOE NAIL
		3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 2 - 16D COMMON NAILS (3 1/2" X 0.162"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	END NAIL
17	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	3 - 10D BOX (3" X 0.128"), OR 2 - 16D COMMON (3 1/2" X 0.162"), OR 4 - 3" X 0.131" NAILS	FACE NAIL
18	1" BRACE TO EACH STUD AND PLATE	3 - 8D BOX NAILS (2 1/2" X 0.113"), OR 2 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 2 - 10D BOX (3" X 0.128"), OR 2 STAPLES 1 3/4"	FACE NAIL
19	1" X 6" SHEATHING TO EACH BEARING	3 - 8D BOX NAILS (2 1/2" X 0.113"), OR 2 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 2 - 10D BOX (3" X 0.128"), OR 2 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
20	1" X 8" AND WIDER SHEATHING TO EACH BEARING	3 - 8D BOX NAILS (2 1/2" X 0.113"), OR 3 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 3 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
		WIDER THAN 1" X 8" 4 - 8D BOX NAILS (2 1/2" X 0.113"), OR 3 - 8D COMMON (2 1/2" X 0.131"), OR 4 - 10D BOX (3" X 0.128"), OR 4 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
FLOOR			
21	JOIST TO SILL, TOP PLATE OR GIRDER	4 - 8D BOX NAILS (2 1/2" X 0.113"), OR 3 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	TOE NAIL
22	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	4 - 8D BOX NAILS (2 1/2" X 0.113") 3 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	4" O.C. TOE NAIL 6" O.C. TOE NAIL
23	1" X 6" SUBFLOOR OR LESS TO EACH JOIST	3 - 8D BOX NAILS (2 1/2" X 0.113"), OR 3 - 8D COMMON NAILS (2 1/2" X 0.131"), OR 3 - 10D BOX (3" X 0.128"), OR 2 STAPLES, 1" CROWN, 16 GA., 1 3/4" LONG	FACE NAIL
24	2" SUBFLOOR TO JOIST OR GIRDER	3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 2 - 16D COMMON NAILS (3 1/2" X 0.162")	FACE NAIL
25	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 2 - 16D COMMON NAILS (3 1/2" X 0.162")	AT EACH BEARING, FACE NAIL
26	BAND OR RIM JOIST TO JOIST	3 - 16D BOX NAILS (3 1/2" X 0.135"), OR 4 - 10D BOX (3" X 0.128"), OR 4 - 3" X 0.131" NAILS, OR 4 - 3" X 14 GA STAPLES, 7/16" CROWN	END NAIL
		2 - 20D COMMON (4" X 0.192")	FACE NAIL
27	BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS	3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	FACE NAIL
		AND: 2 - 20D COMMON (4" X 0.192"), OR 3 - 10D BOX (3" X 0.128"), OR 3 - 3" X 0.131" NAILS	FACE NAIL
28	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	4 - 16D BOX NAILS (3 1/2" X 0.135"), OR 3 - 16D COMMON NAILS (3 1/2" X 0.162"), OR 4 - 10D BOX (3" X 0.128"), OR 4 - 3" X 0.131" NAILS	AT EACH JOIST OR RAFTER, FACE NAIL
29	BRIDGING OR BLOCKING TO JOIST	2 - 10D BOX NAILS (3" X 0.128"), OR 2 - 8D COMMON (2 1/2" X 0.131"), OR 2 - 3" X 0.131" NAILS	EACH END, TOE NAIL

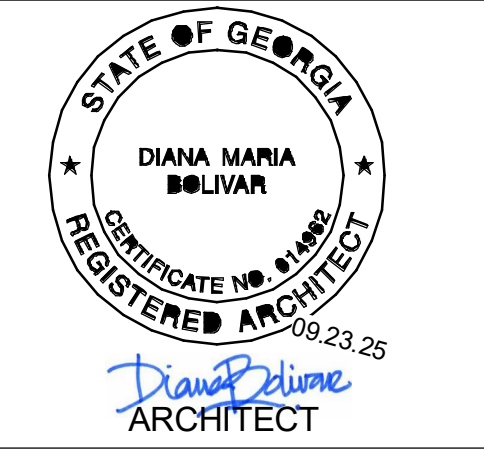
WOOD STRUCTURAL PANELS AND WALL SHEATHING				
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{A,B,C}	EACH END, TOE NAIL	
			EDGES (INCHES) ^D	INTERMEDIATE SUPPORT ^E (INCHES)
WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING (SEE TABLE R602.3(3) FOR WOOD STRUCTURAL PANELS EXTERIOR WALL SHEATHING TO WALL FRAMING)				
30	3/8" - 1/2"	8D COMMON (2" X 0.113") NAIL (SUBFLOOR, WALL) ^F 8D COMMON (2 1/2" X 0.131") NAIL (ROOF); OR RSRS-01 (2 3/8" X 0.113") NAIL (ROOF) ^F	6	12"
31	19/32" - 1"	8D COMMON (2 1/2" X 0.131") NAIL (ROOF); OR RSRS-01 (2 3/8" X 0.113") NAIL (ROOF) ^F	6	12"
32	1 1/8" - 1 1/4"	10D COMMON (3" X 0.148") NAIL, OR 8D (2 1/2" X 0.131") DEFORMED NAIL	6	12"
OTHER WALL SHEATHING ^G				
33	1/2" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1 1/2" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER, OR 1 1/4" LONG 16 GA STAPLE WITH 7/16" OR 1" CROWN	3	6"
34	25/32" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1 3/4" GALVANIZED ROOFING NAIL, 7/16" HEAD DIAMETER, OR 1 1/2" LONG 16 GA STAPLE WITH 7/16" OR 1" CROWN	3	6"
35	1/2" GYPSUM SHEATHING ^D	1 3/4" GALVANIZED ROOFING NAIL, OR STAPLE GALVANIZED 1 1/2" LONG, OR 1 1/4" SCREWS, TYPE W OR S	7	7"
36	5/8" GYPSUM SHEATHING ^D	1 3/4" GALVANIZED ROOFING NAIL, OR STAPLE GALVANIZED 1 5/8" LONG, OR 1 5/8" SCREWS, TYPE W OR S	7	7"
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING				
37	3/4" AND LESS	8D DEFORMED (2" X 0.120") NAIL, OR 8D COMMON (2 1/2" X 0.131")	6	12"
38	7/8" - 1"	8D DEFORMED (2 1/2" X 0.120") NAIL, OR 8D COMMON (2 1/2" X 0.131")	6	12"
39	1 1/8" - 1 1/4"	10D COMMON (3" X 0.148") NAIL, OR 8D DEFORMED (2 1/2" X 0.120")	6	12"

FOR SI: 1 INCH = 25.4mm, 1 FOOT = 304.8 mm, 1 MILE PER HOUR = 0.447 m/s; 1 ksi = 6.895 MPa

- A. NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE MINIMUM AVERAGE BENDING YIELDING STRENGTHS AS SHOWN: 80ksi FOR SHANK DIAMETER OF 0.192 INCH (20D COMMON NAIL), 90 ksi FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN 0.177 INCH, AND 100 ksi FOR SHANK DIAMETERS OF 0.142 INCH OR LESS.
- B. STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 7/16 INCH ON DIAMETER CROWN WIDTH.
- C. NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.
- D. FOUR-FOOT BY 8-FOOT BY 9-FOOT PANELS SHALL BE APPLIED VERTICALLY.
- E. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(2).
- F. FOR WOOD STRUCTURAL PANEL ROOF SHEATHING ATTACHED TO GABLE END ROOF FRAMING AND TO INTERMEDIATE SUPPORTS WITHIN 48 INCHES OF ROOF EDGES AND RIDGES, NAILS SHALL BE SPACED AT 6 INCHES ON CENTER WHERE THE ULTIMATE DESIGN WIND SPEED IS LESS THAN 130 mph AND SHALL BE SPACED 4 INCHES ON CENTER WHERE THE ULTIMATE DESIGN WIND SPEED IS 130 mph OR GREATER BUT LESS THAN 140 mph.
- G. GYPSUM SHEATHING SHALL CONFORM TO ASTM C1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C208.
- H. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING AND AT FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND REQUIRED BLOCKING. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS NEED NOT BE PROVIDED EXCEPT AS REQUIRED BY OTHER PROVISIONS OF THIS CODE. FLOOR PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING.
- I. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE, PROVIDE TWO TOE NAILS ON ONE SIDE OF THE RAFTER AND TWO NAILS FROM THE CEILING JOIST TO TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE. THE TOE NAIL ON THE OPPOSITE SIDE OF THE RAFTER SHALL NOT BE REQUIRED.
- J. RSRS-01 IS A ROOF SHEATHING RING SHANK NAIL MEETING THE SPECIFICATION IN ASTM F1667.



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Revision Schedule		
#	Date	Description
1	02.13.24	Permit Review / Client revs.

GENERAL /
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Scale 1/4" = 1'-0"