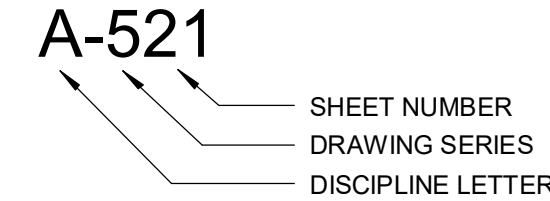
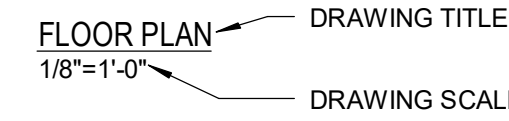


LEGEND

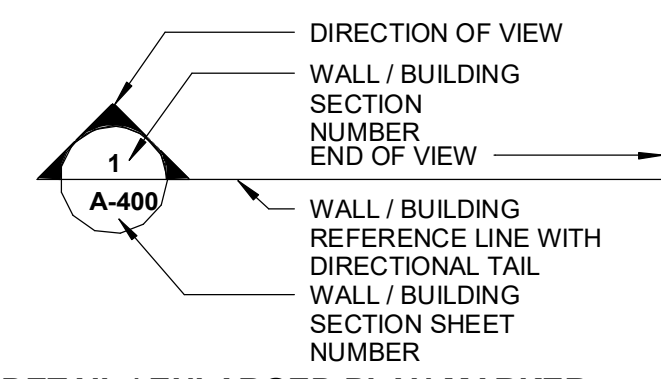
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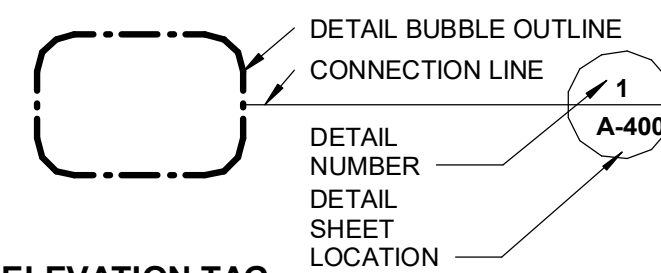
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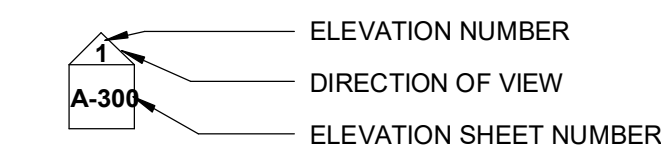
WALL / BUILDING SECTION MARKER



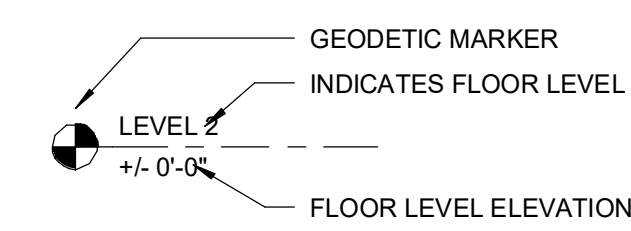
DETAIL / ENLARGED PLAN MARKER



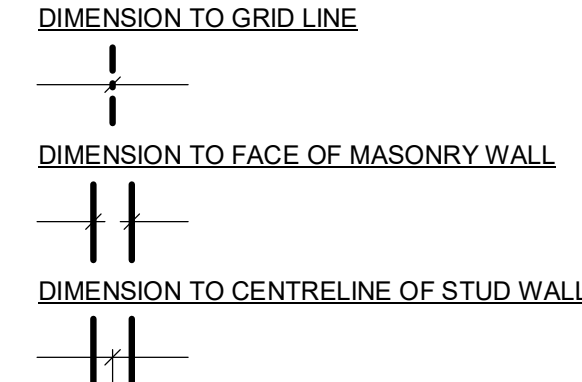
ELEVATION TAG



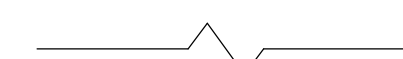
VERTICAL ELEVATION MARKER



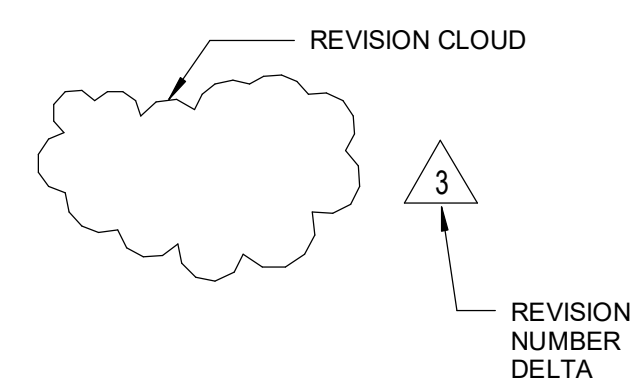
DIMENSIONS



BREAKLINE



DRAWING REVISIONS



3D VIEW



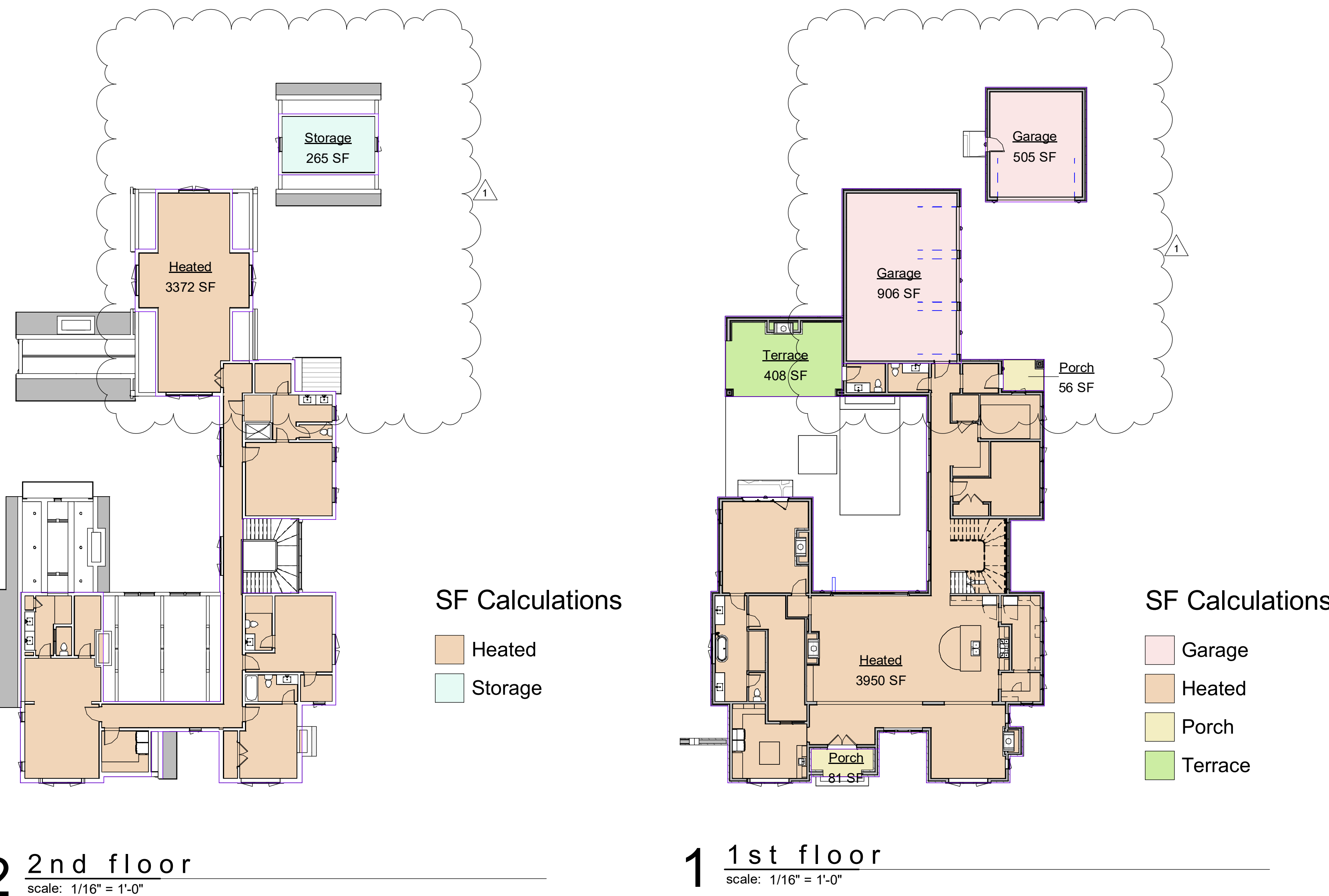
ABBREVIATIONS

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.W.C.	VINYL WALLCOVERING
APPROX.	APPROXIMATELY	GA.	GAUGE	REINF.	REINFORCED		
C.P.T.	CARPET	G.W.B.	GYPSSUM WALL BOARD	R.D.	ROOF DRAIN		
C.I.	CAST IRON	HDWD.	HARDWOOD	R.L.	ROOF LEADER		
C.B.	CEMENT BOARD	F.X.	HOLLOW METAL DOOR FRAME TYPE	R.O.	ROUGH OPENING		
CT	CERAMIC TILE	L.B.	POUND	R.B.	RUBBER BASE		
C.O.	CLEAN OUT	LIN.	LINOLEUM	SEAL	SEALED CONCRETE		
CONC.	CONCRETE	L.I.N.	LINTEL NUMBER	SLT.	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.J.	CONTROL JOINT	M.W.X	MILWORK ITEM NUMBER	S.S.	STAINLESS STEEL		
C.MRBL	CULTURED MARBLE	MRGWB	ON CENTER 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. GYPSSUM WALL BOARD	PNT-X	PAINT COLOR	T.O.S.	TOP OF STEEL		
F.R.F.	FIBERGLASS REINFORCED	POLY	POLYETHYLENE	TYP.	TYPICAL DETAIL		

CURRENT BUILDING CODES - ALPHARETTA

- INTERNATIONAL RESIDENTIAL CODE (IRC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL PLUMBING CODE (IPC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL FIRE CODE (IFC), 2018 EDITION WITH GEORGIA AMENDMENTS
 - INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2015 EDITION - RESIDENTIAL PORTION WITH GEORGIA SUPPLEMENTS
 - INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPCS), 2018 EDITION WITH GEORGIA AMENDMENTS
 - NATIONAL ELECTRICAL CODE (NEC), 2023 EDITION WITH GEORGIA AMENDMENTS
- ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) WITH GEORGIA AMENDMENTS AND CITY OF ALPHARETTA REQUIREMENTS

AREA PLANS



PROJECT CONTACTS INFORMATION:

Owner Information:
 NAME: 130 PEBBLE TRAIL LLC
 ADDRESS: 130 PEBBLE TRAIL, ALPHARETTA, GA 30009
 CONTACT: MIKE RIVERS
 PHONE: 678-646-7294
 EMAIL: MIKE@ELANLUXURYHOMES.COM

Contractor Information:
 NAME: GEORGIA-CAROLINA HOLDINGS LLC
 ADDRESS: 9161 KEG CREEK DRIVE, APLING, GA 30802
 CONTACT: CHANDLER DUNCAN
 PHONE: 706-356-7350
 EMAIL: CHANDLER.DUNCAN@TEAMNOUTH.NET

24 Hour Contact Information
 CONTACT: MIKE RIVERS
 PHONE: 678-646-7294
 EMAIL: MIKE@ELANLUXURYHOMES.COM

AREA CALCULATIONS

Area Schedule per Floor		
floor	Name	Area
1st floor	Garage	906 SF
1st floor	Garage	505 SF
1st floor	Heated	3950 SF
1st floor	Porch	81 SF
1st floor	Porch	56 SF
1st floor	Terrace	408 SF
2nd floor	Heated	3372 SF
		9279 SF

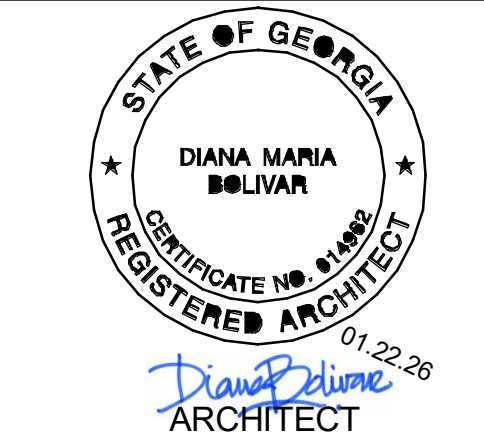
Area Totals	
Type	Area
Garage	1412 SF
Heated	7322 SF
Porch	137 SF
Terrace	408 SF
	9279 SF

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
- 6.0 WALL SECTIONS
- 6.1 WALL SECTIONS
- 6.2 FIREPLACE DETAILS
- GN1 GENERAL / STRUCTURAL NOTES
- GN2 GENERAL / STRUCTURAL NOTES
- GN3 GENERAL / STRUCTURAL NOTES



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CONSULTANTS

130 PEBBLE TRAIL
 ALPHARETTA, GA 30009

Revision Schedule		
#	Description	Date
1	Permit and Client Revs	012226

COVER SHEET

Project Number 25-020
 Date 012226
 Drawn By dmb
 Checked By Checker
 C.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. SECOND FLOOR FRAMING AS PER FRAMING PLANS.
- ALL ROOF FRAMING TO BE 2X8 JOISTS, UNLESS OTHERWISE NOTED.
- ALL DOORS TO BE CENTERED UNLESS OTHERWISE NOTED.
- PROVIDE WOOD BLOCKING 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.
- NUMBER OF EXTERIOR RISERS TO BE FIELD VERIFIED. AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HANDRAIL WILL ALSO BE REQUIRED.
- PROVIDE TERMITES CHEMICAL AT FOUNDATION, AS REQUIRED.
- ATTIC ACCESS SHALL COMPLY WITH 2018 IRC SECTION R807. 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 3/4" A.F.F., UNLESS OTHERWISE NOTED.
- ALL DOORS AND CASED OPENINGS TO BE 8'-0" HIGH UNLESS OTHERWISE NOTED.
- SMOKE ALARMS AND CARBON MONOXIDE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH 2018 IRC SECTIONS R314 AND R315.
- ALL SLEEPING ROOMS SHALL COMPLY WITH 2018 IRC SECTION R310 FOR EMERGENCY ESCAPE AND RESCUE OPENINGS.
- ALL HABITABLE SPACES SHALL COMPLY WITH 2018 IRC SECTION R305 FOR MINIMUM CEILING HEIGHTS.
- BELOW-GRADE HABITABLE SPACES SHALL COMPLY WITH 2018 IRC SECTIONS R310 (EGRESS) AND R408 (CRAWLSPACE / MOISTURE CONTROL), AS APPLICABLE.
- GUARDS SHALL BE PROVIDED WHERE REQUIRED AS PER 2018 IRC SECTION R312.
- ALL WINDOWS AND DOORS LEADING TO COURTYARD POOL TO HAVE ALARMS.
- ALL STAIRS SHALL COMPLY WITH 2018 IRC SECTION R311.7.
- MAXIMUM RISER HEIGHT: 7-3/4 INCHES
- MINIMUM TREAD DEPTH: 10 INCHES
- HANDRAILS SHALL COMPLY WITH 2018 IRC SECTION R311.7.8 AND SHALL BE PROVIDED WHERE THERE ARE 4 OR MORE RISERS AND SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE STAIR FLIGHT, INCLUDING REQUIRED EXTENSIONS.
- CEILING HEIGHTS: ALL HABITABLE SPACES SHALL COMPLY WITH 2018 IRC SECTION R305, PROVIDING A MINIMUM CEILING HEIGHT OF 7'-0". EXCEPT WHERE OTHERWISE PERMITTED BY CODE.
- FIREBLOCKING AND DRAFTSTOPPING SHALL COMPLY WITH 2018 IRC SECTION R302.11 AND R302.12.
- EXTERIOR WALL COVERINGS SHALL COMPLY WITH 2018 IRC SECTION R703.
- WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED PER 2018 IRC SECTION R317.

FIRST FLOOR NOTES

- ALL SECOND FLOOR FRAMING TO BE 18" TJI PRO 230'S @ 16" ON CENTER U.N.O. (Direction indicated on drawings)
- ALL FIRST FLOOR LOAD BEARING HEADERS TO BE 2-2X10'S U.N.O.
- INSTALL A MINIMUM OF (3) 2X4 STUD UNDER ALL BEARNS, 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

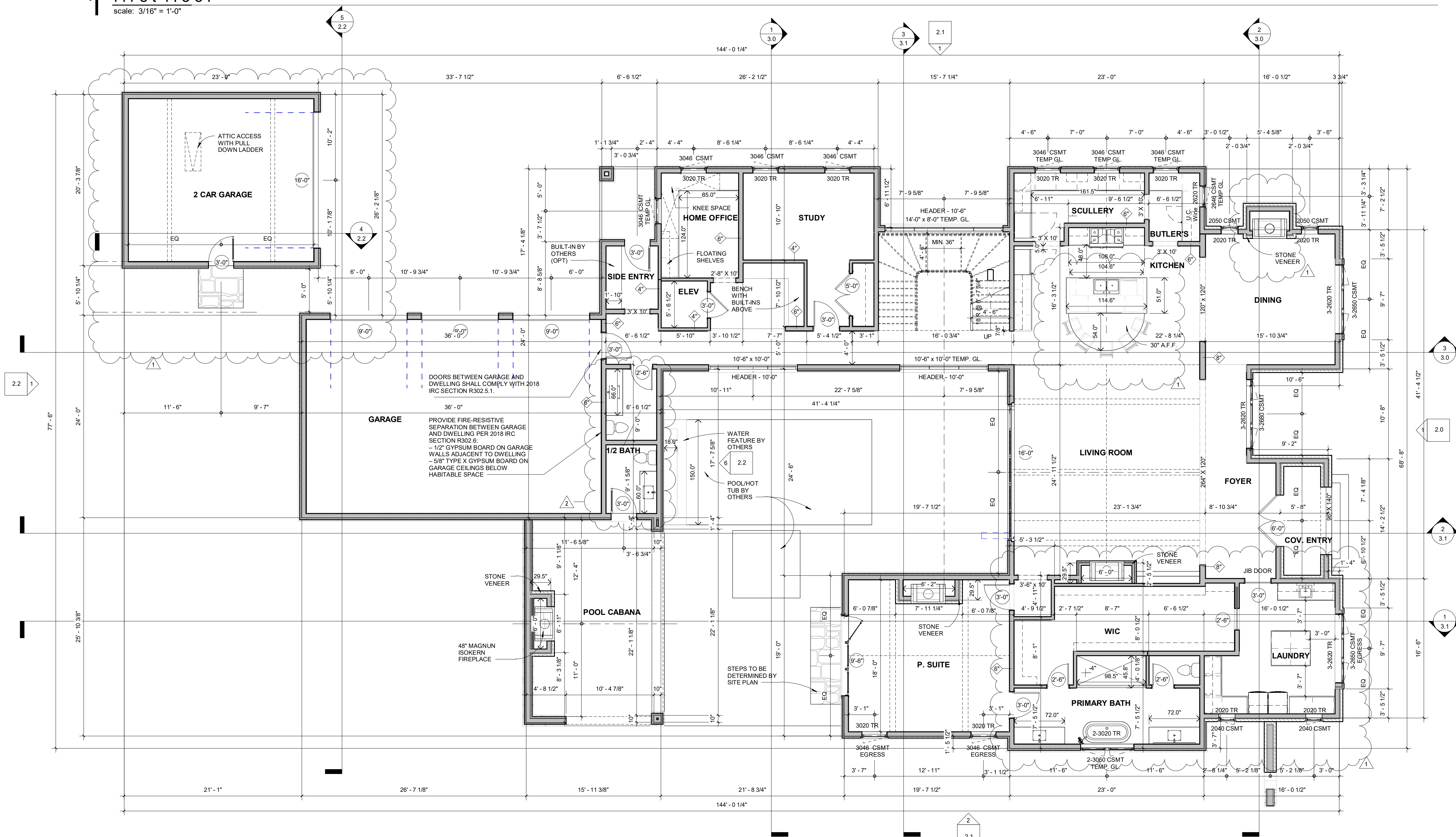
EXT. WALL HT. (h)	STUD SIZE & SPACING
h < 10'-0"	2X4 @ 16" O/C
10'-0" < h < 11'-0"	2X4 @ 12" O/C
10'-0" < h < 11'-0"	2X6 @ 16" O/C
h > 18'-0"	CONSULT ENGINEER

TYPICAL HANGERS FOR JOIST AND BEAMS

MEMBER	HANGER
2 x 8	LUS28
2 x 10	LUS10
2 x 12	LUS12
2 - 2 x 8	HUS28-2
2 - 2 x 10	HUS10-2
2 - 2 x 12	HUS12-2
3 - 2 x 8	LUS28-3
3 - 2 x 10	LUS10-3
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 1/2" LVL	HGUS50/10
3-13/4" X 9 1/2" LVL	HGUS50/10
3-13/4" X 11 1/4" LVL	HGUS50/10
3-13/4" X 11 1/2" LVL	HGUS50/10
3-13/4" X 14" LVL	HGUS50/10
3-13/4" X 16" LVL	HGUS50/10
3-13/4" X 18" LVL	HGUS50/10
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: 3/16" = 1'-0"



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STATE OF GEORGIA
DIANA MARIA BOLIVAR
REGISTERED ARCHITECT
01/22/26
Diana Bolivar
ARCHITECT

CONSULTANTS

130 PEBBLE TRAIL
ALPHARETTA, GA 30009

Revision Schedule

#	Description	Date
1	Permit and Client Revs	012226
2	Cabana Bath	040226

FIRST FLOOR PLAN

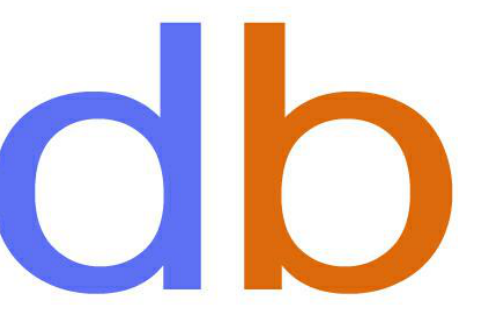
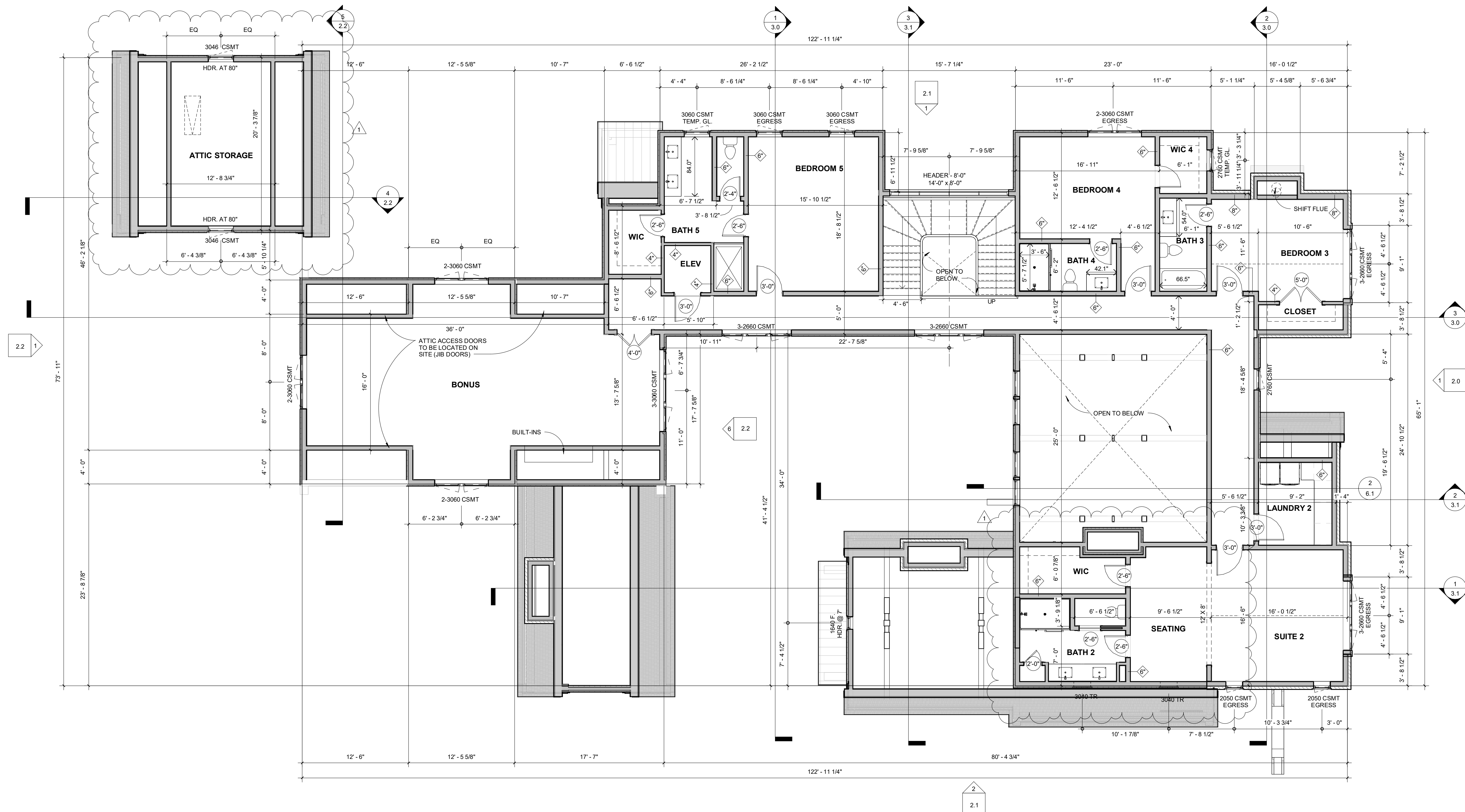
Project Number 25-020
Date 012226
Drawn By
Checked By

1.1
Scale As indicated

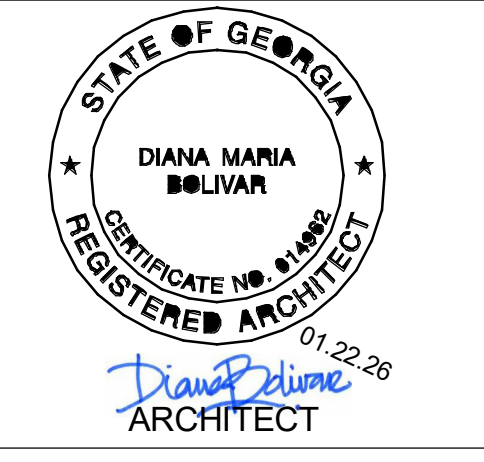
SECOND FLOOR NOTES

- 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: 3/16" = 1'-0"



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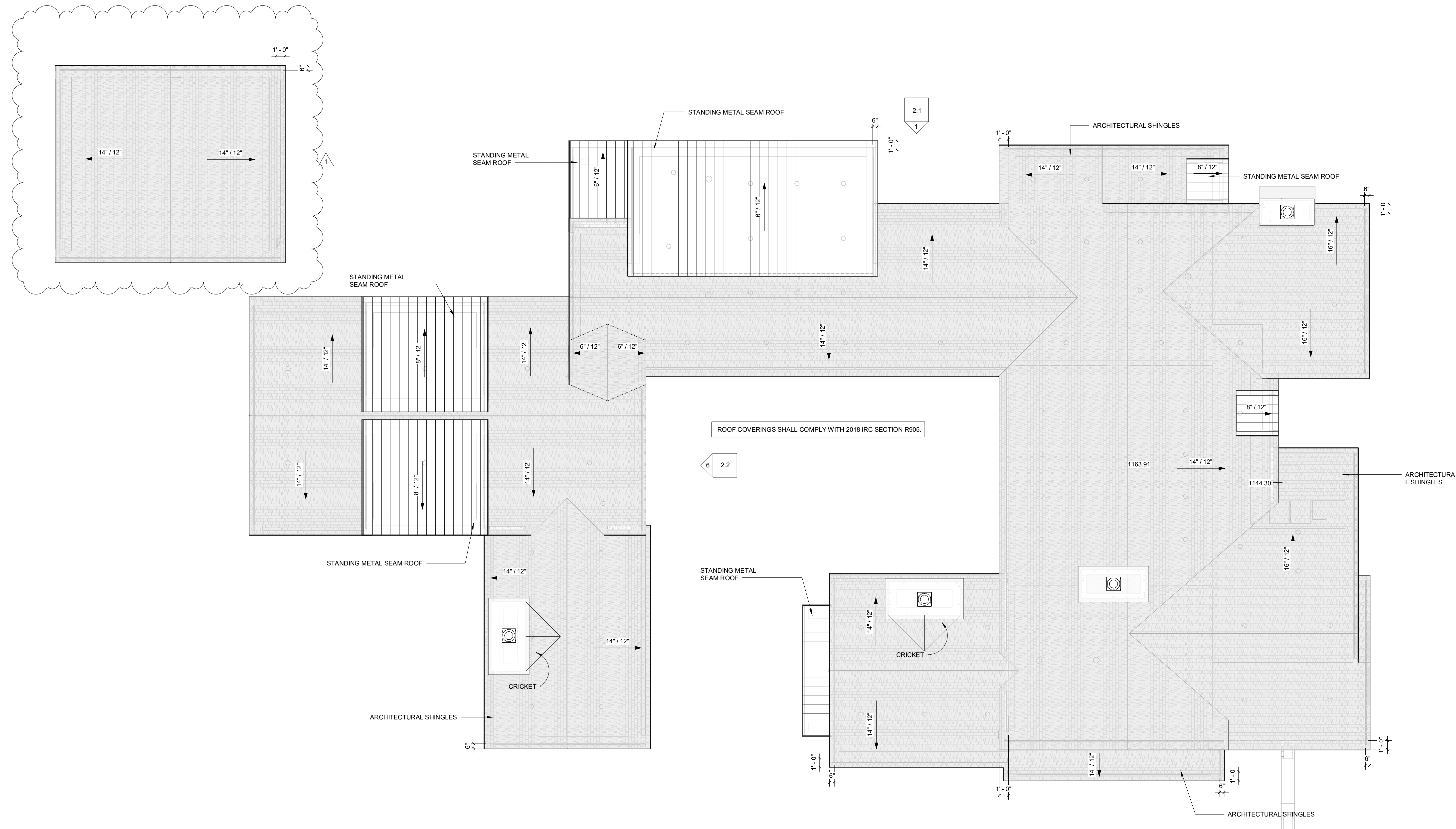
Revision Schedule		
#	Description	Date
1	Permit and Client Revs	012226

SECOND FLOOR PLAN

Project Number 25-020
Date 012226
Drawn By Author
Checked By Checker

1.2
Scale As indicated

130 PEBBLE TRAIL
ALPHARETTA, GA 30009



Revision Schedule		
#	Description	Date
1	Permit and Client Revisions	012226

ROOF PLAN

Project Number	25-020
Date	012226
Drawn By	dmb
Checked By	Checker

1.3

Scale 3/16" = 1'-0"

#	Description	Date
1	Permit and Client Revisions	012226

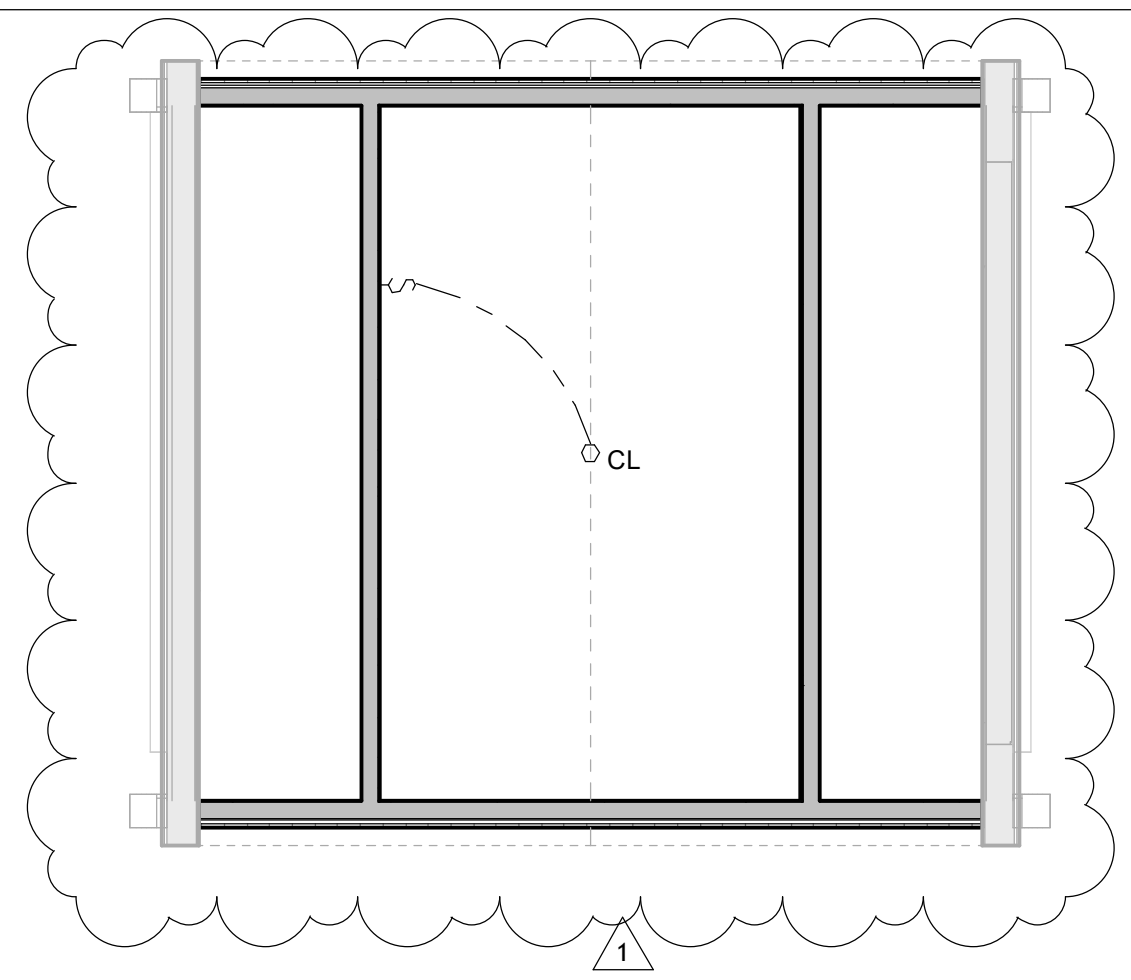
Project Number	25-020
Date	012226
Drawn By	Author
Checked By	Checker

ELECTRICAL LEGEND

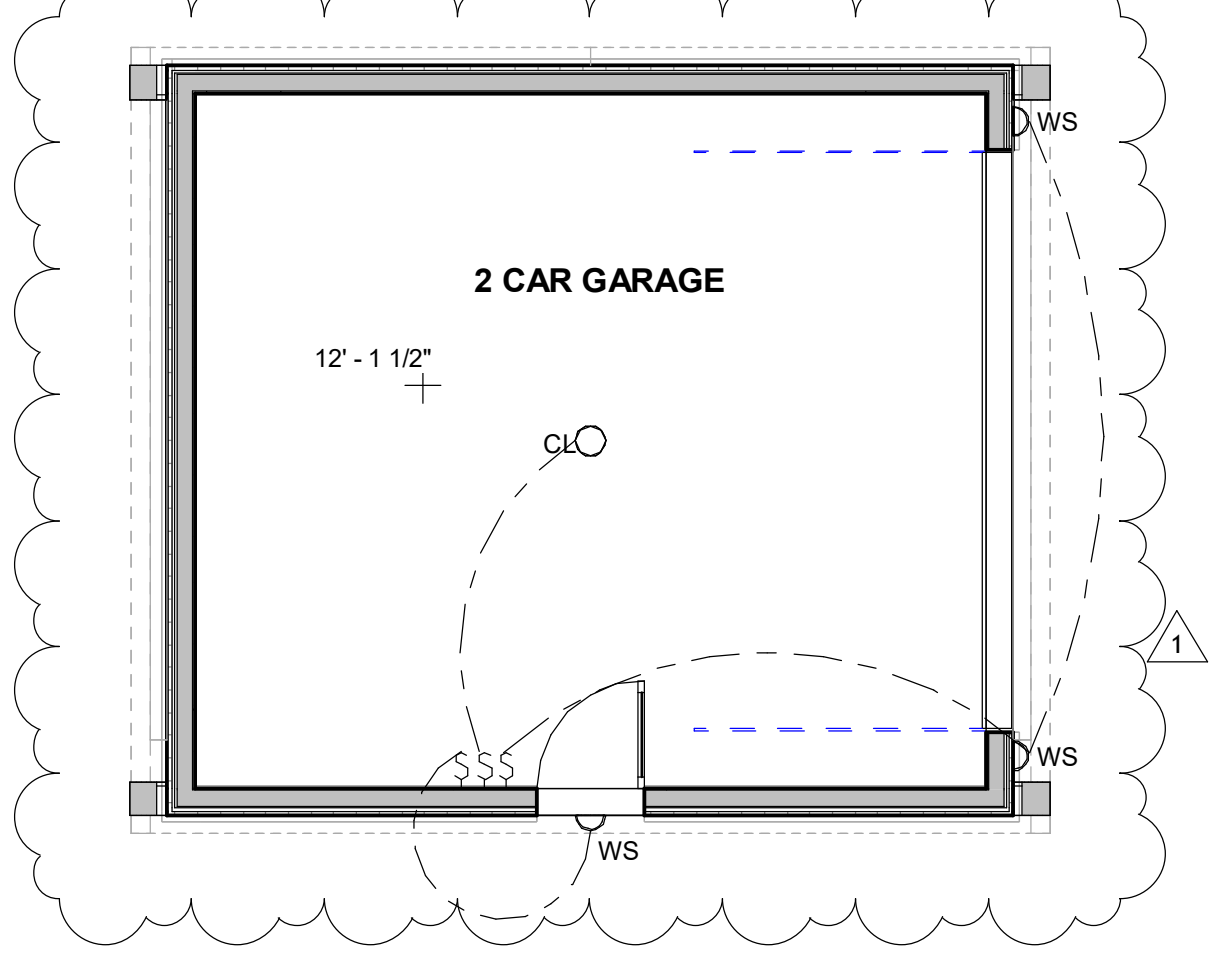
OUTLET IN BASEBOARD	
OUTLET 12" A.F.F.	
OUTLET 42" A.F.F.	
1/2 HOT OUTLET	
DRYER OUTLET	
OUTLET IN FLOOR	
OUTLET IN CEILING	
WATERPROOFED OUTLET	
TELEVISION	
TELEPHONE	
SMOKE DETECTOR	
CARBON DIOXIDE	
DECORATIVE WALL LIGHT	
DECORATIVE CEILING LIGHT	
RECESSED LIGHT (STD)	
RECESSED LIGHT (4")	
RECESSED LIGHT (2")	
EYE BALL LIGHT	
EXHAUST FAN	
EXHAUST FAN W/ LIGHT	
FLUORESCENT 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	
CHANDLIER	
PENDANT LIGHT	

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

- NOTES:
1. LIGHT LOCATIONS, SPECIFICATIONS AND AMOUNT TO BE DETERMINED BY GC AND OWNER.
 2. THIS PLAN IS FOR GUIDANCE ONLY - NOT REQUIRED FOR PERMIT.
 3. REVISIONS TO THIS PLAN TO BE DETERMINED BY ELECTRICAL CONTRACTOR AND OWNER AS PER BUILDER SPECIFICATIONS.
 3. PROVIDE UNDER CABINET LIGHTING WHERE APPLICABLE.



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



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



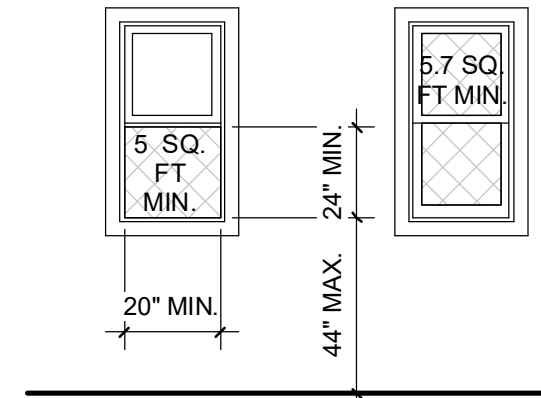
7 EMERGENCY EGRESS DETAIL
scale: 1/4" = 1'-0"

EMERGENCY ESCAPE AND RESCUE OPENINGS
ALL SLEEPING ROOMS SHALL BE PROVIDED WITH AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING IN ACCORDANCE WITH 2018 IRC SECTION R310, AS AMENDED BY THE STATE OF GEORGIA.

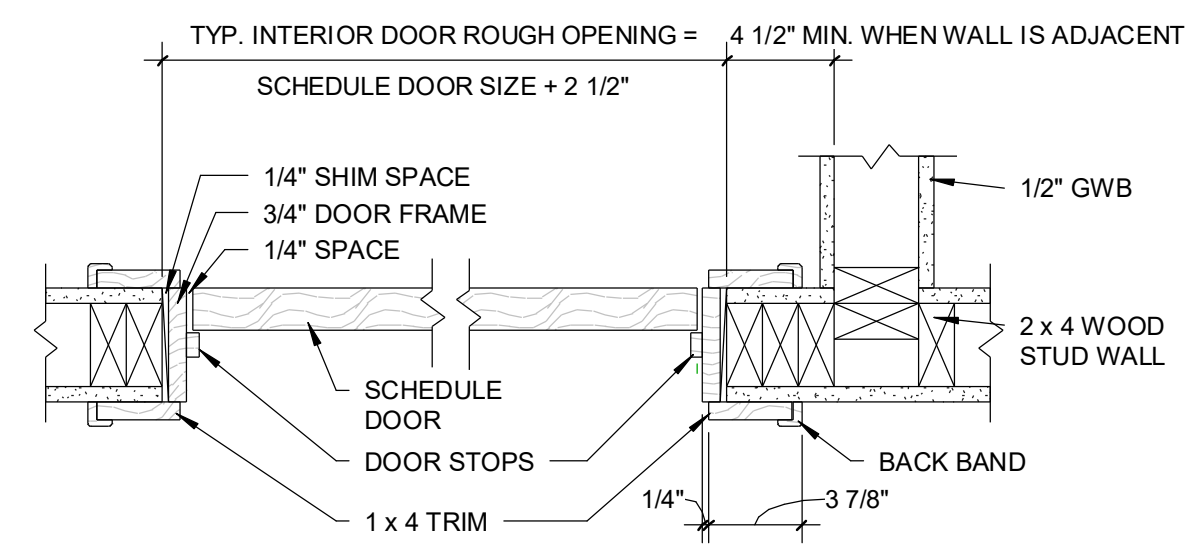
MINIMUM NET CLEAR OPENING AREA:
• 5.7 SQUARE FEET (UPPER FLOORS)
• 5.0 SQUARE FEET (GRADE FLOOR ONLY)

MINIMUM NET CLEAR OPENING DIMENSIONS:
• WIDTH: 20 INCHES MIN.
• HEIGHT: 24 INCHES MIN.

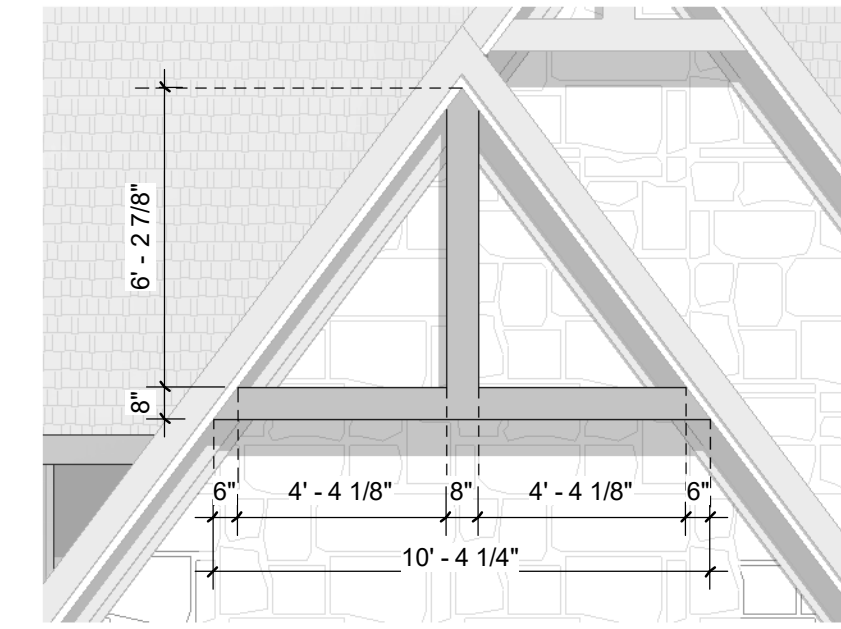
MAXIMUM SILL HEIGHT: 44 INCHES ABOVE FINISHED FLOOR
OPENINGS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEYS, TOOLS, OR SPECIAL KNOWLEDGE.



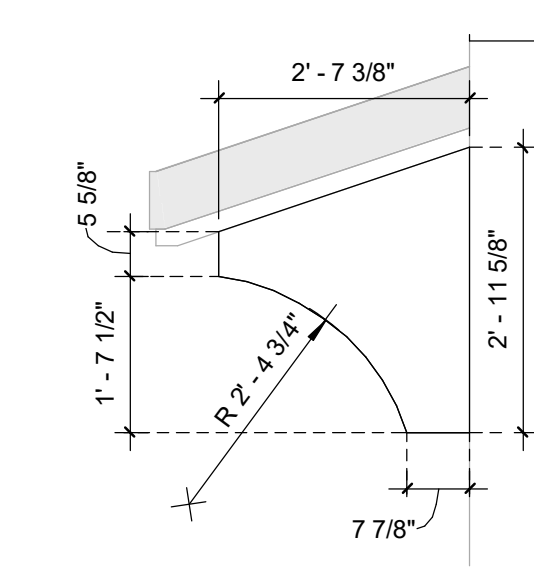
6 TYP. INT. DOOR JAMB DETAIL
scale: 1 1/2" = 1'-0"



5 Gable timbering Dtl.
scale: 1/4" = 1'-0"



3 Bracket detail
scale: 1/2" = 1'-0"



4 3D View Front 2
scale:



2 3D View Front 1
scale:



1 front elevation
scale: 3/16" = 1'-0"

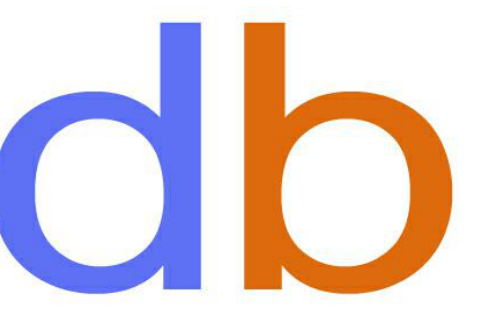


1. FINISHED GRADE ELEVATIONS
AVERAGE FINISHED GRADE (AFG):
(1120.43 + 1120.34 + 1120.32 + 1119.22) ÷ 4
AFG = 1120.08 = 1120'-1"

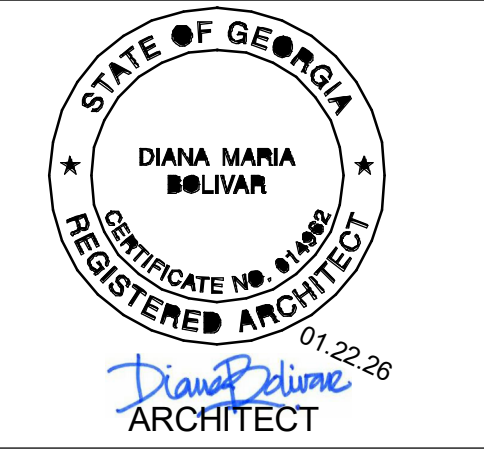
2. ROOF HEIGHT ELEVATIONS
AVERAGE ROOF HEIGHT (ARH):
(1144.30 + 1163.96) ÷ 2
ARH = 1154.13' = 1154'-1 1/2"

3. MEAN BUILDING HEIGHT
MEAN BUILDING HEIGHT = ARH - AFG
1120.08' - 1154.13'
MEAN BUILDING HEIGHT = 34.05' = 34'-0 5/8"

CODE COMPLIANCE STATEMENT (REQUIRED)
MEAN BUILDING HEIGHT IS MEASURED FROM THE AVERAGE FINISHED GRADE AT THE BUILDING PERIMETER TO THE AVERAGE HEIGHT OF THE ROOF, IN ACCORDANCE WITH THE CITY OF ALPHARETTA UNIFIED DEVELOPMENT CODE.



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CONSULTANTS

130 PEBBLE TRAIL
ALPHARETTA, GA 30009

Revision Schedule		
#	Description	Date
1	Permit and Client Revs	012226

BUILDING ELEVATIONS

Project Number 25-020
Date 012226
Drawn By dmb
Checked By Checker

2.0
Scale As indicated

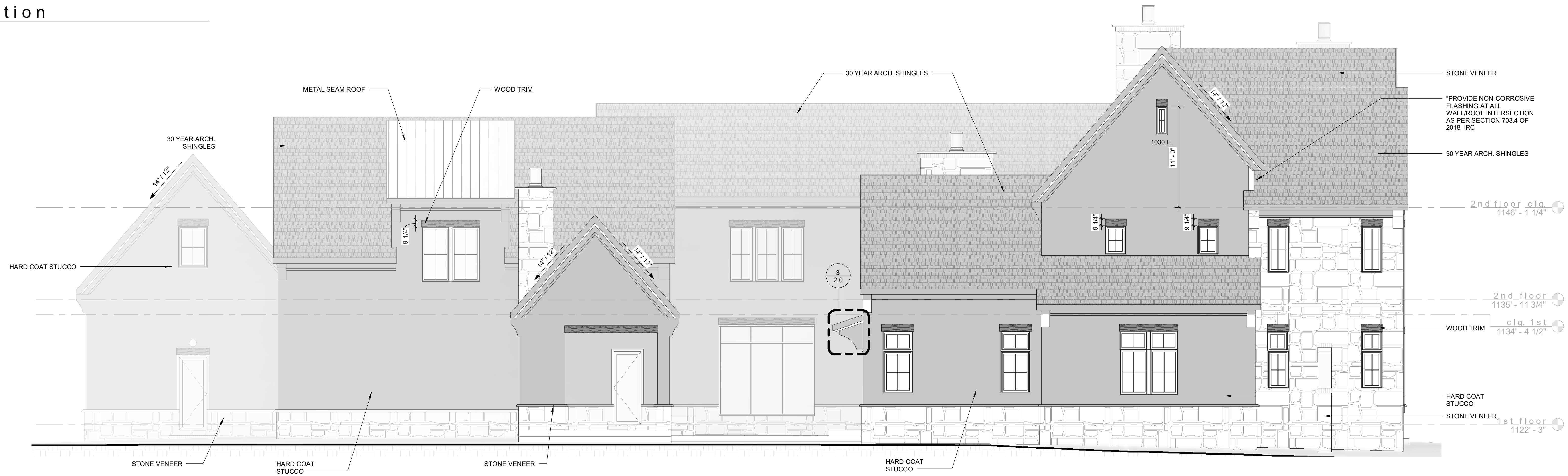
4 3D View Left
scale:



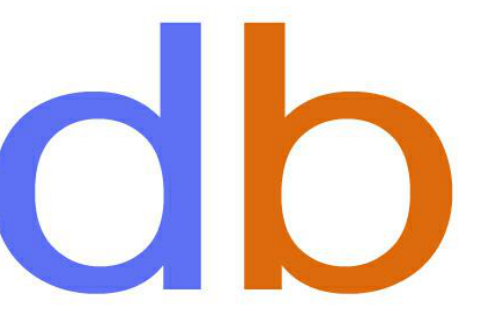
3 3D View Right
scale:



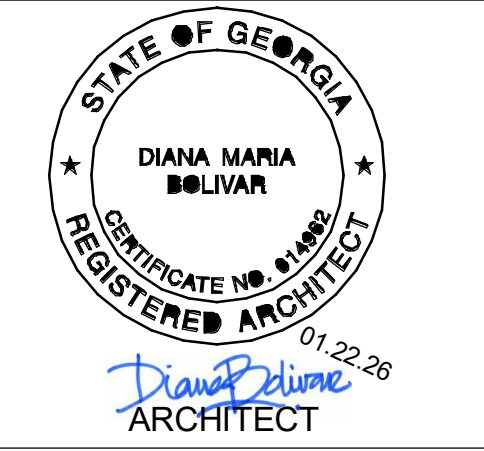
2 left elevation
scale: 3/16" = 1'-0"



1 right elevation
scale: 3/16" = 1'-0"



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



CONSULTANTS

130 PEBBLE TRAIL
ALPHARETTA, GA 30009

Revision Schedule

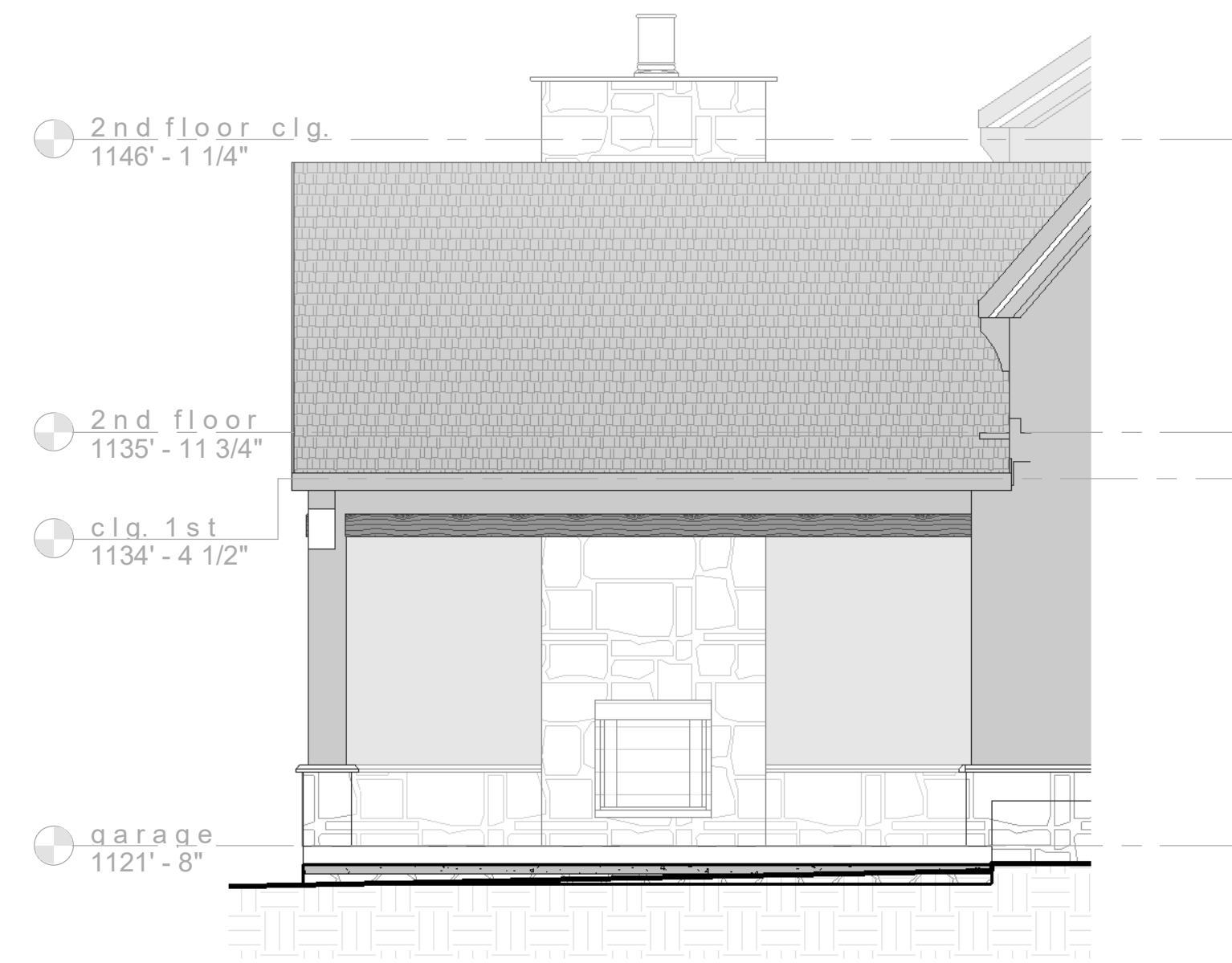
#	Description	Date

BUILDING ELEVATIONS

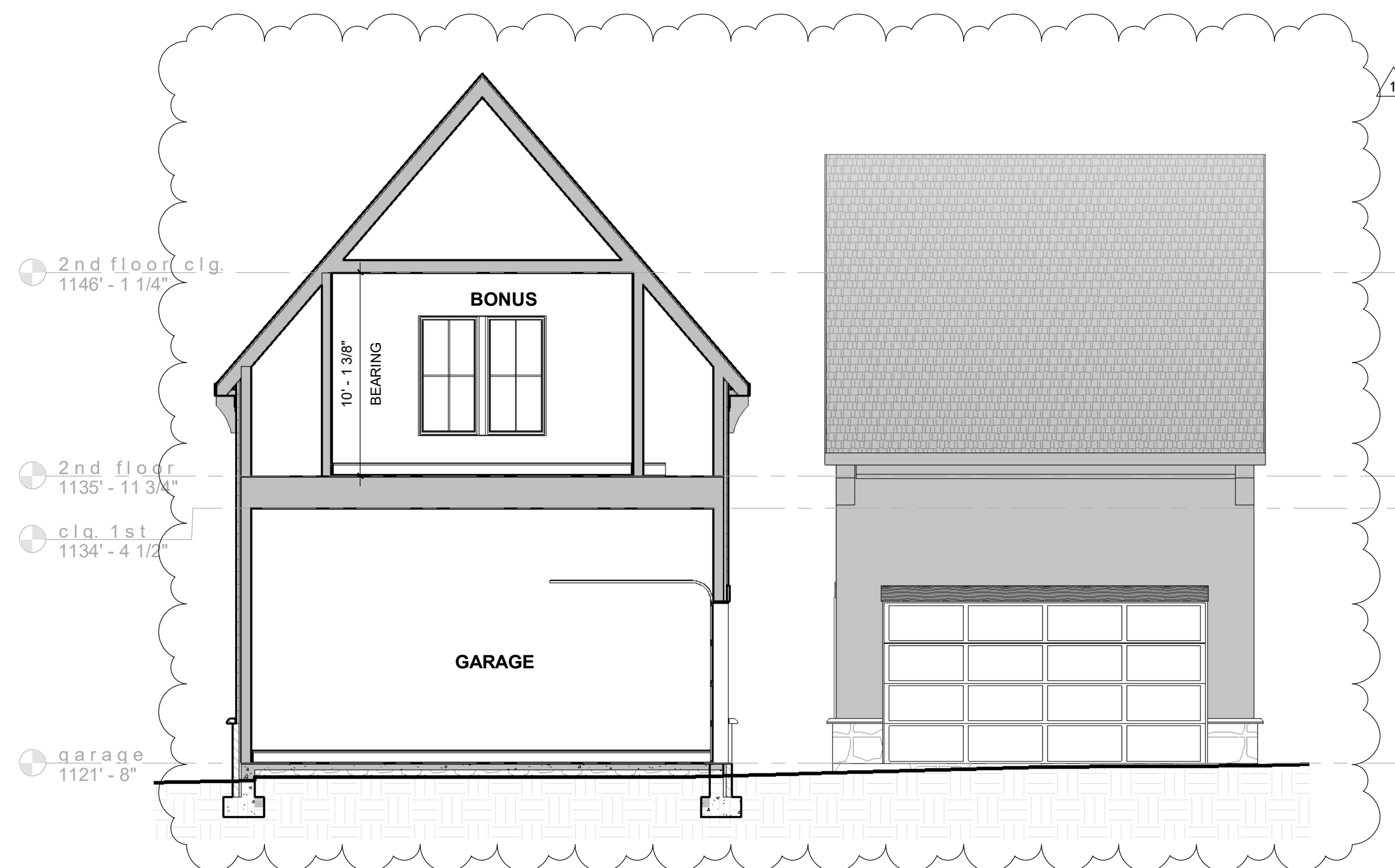
Project Number 25-020
Date 012226
Drawn By Author
Checked By Checker

2.1
Scale 3/16" = 1'-0"

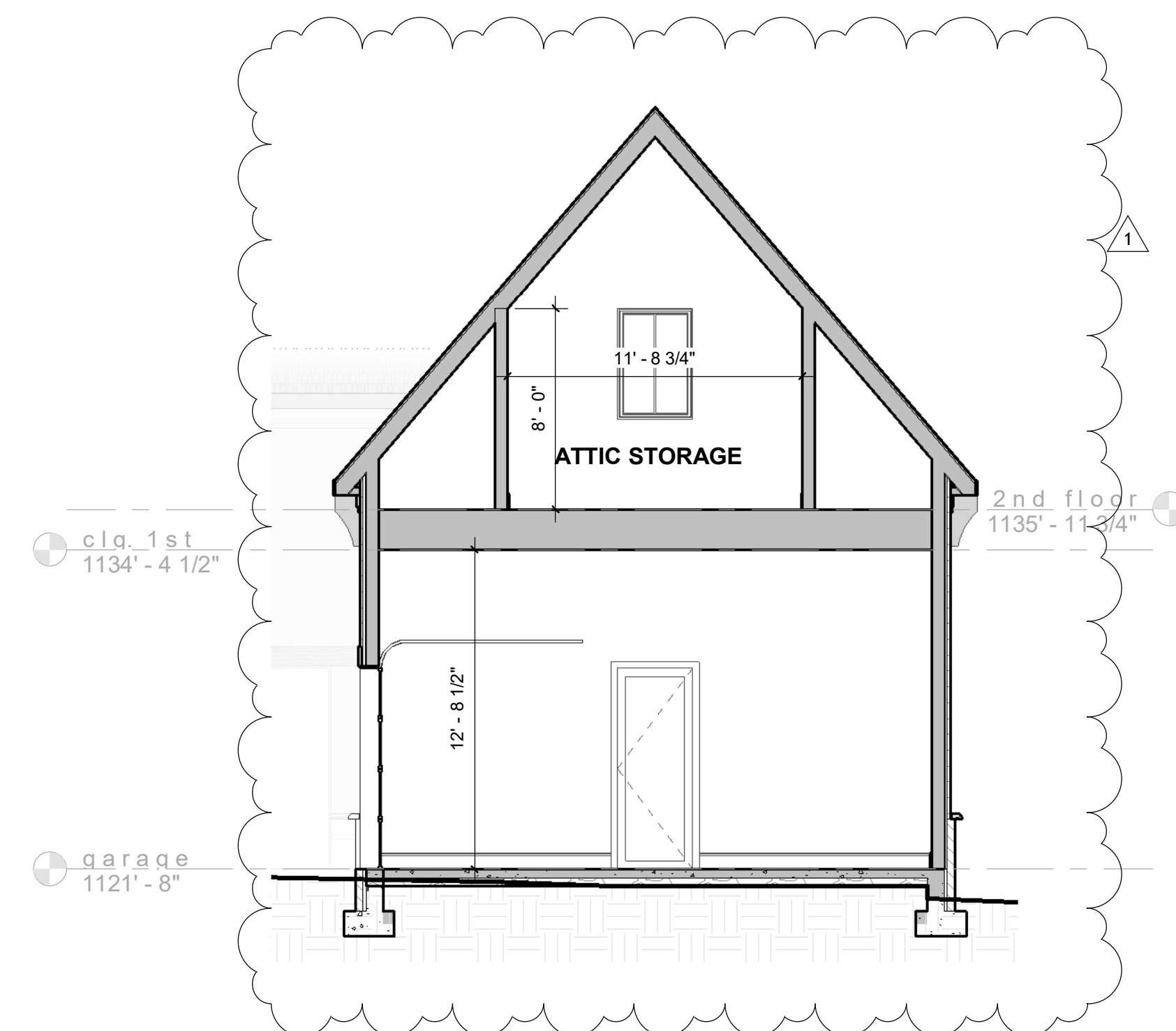
6 Cabana Elevation
scale: 3/16" = 1'-0"



5 Section - Bonus
scale: 3/16" = 1'-0"



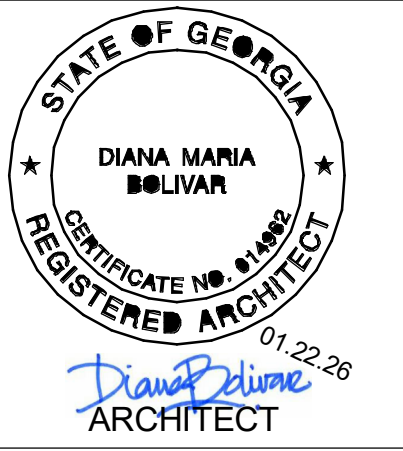
4 Section - Attic Storage
scale: 3/16" = 1'-0"



1 rear elevation
scale: 3/16" = 1'-0"



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Revision Schedule		
#	Description	Date
1	Permit and Client Revs	012226

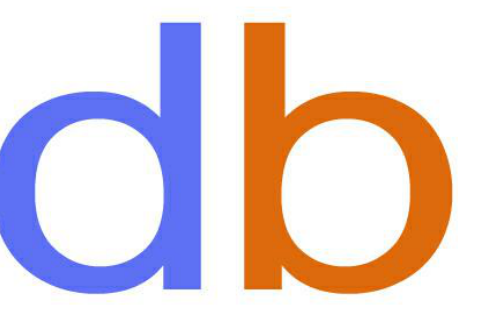
BUILDING ELEVATIONS

Project Number 25-020
Date 012226
Drawn By dmb
Checked By Checker

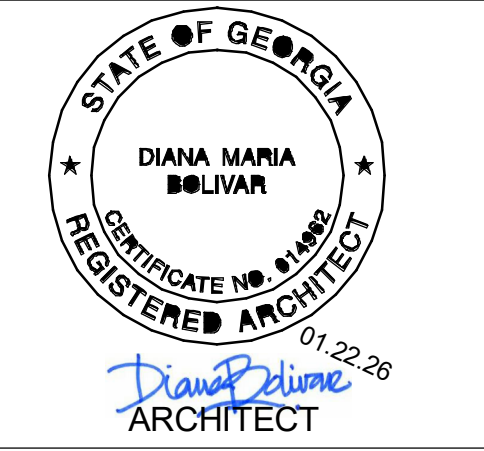
2.2

Scale 3/16" = 1'-0"

3 Section front to back
scale: 3/16" = 1'-0"



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2 Section Suite 2 + Bedroom 3
scale: 3/16" = 1'-0"



1 Section bedroom 5 + laundry
scale: 3/16" = 1'-0"



Revision Schedule		
#	Description	Date
1	Permit and Client Revs	012226

BUILDING SECTIONS

Project Number 25-020
Date 012226
Drawn By dmb
Checked By Checker

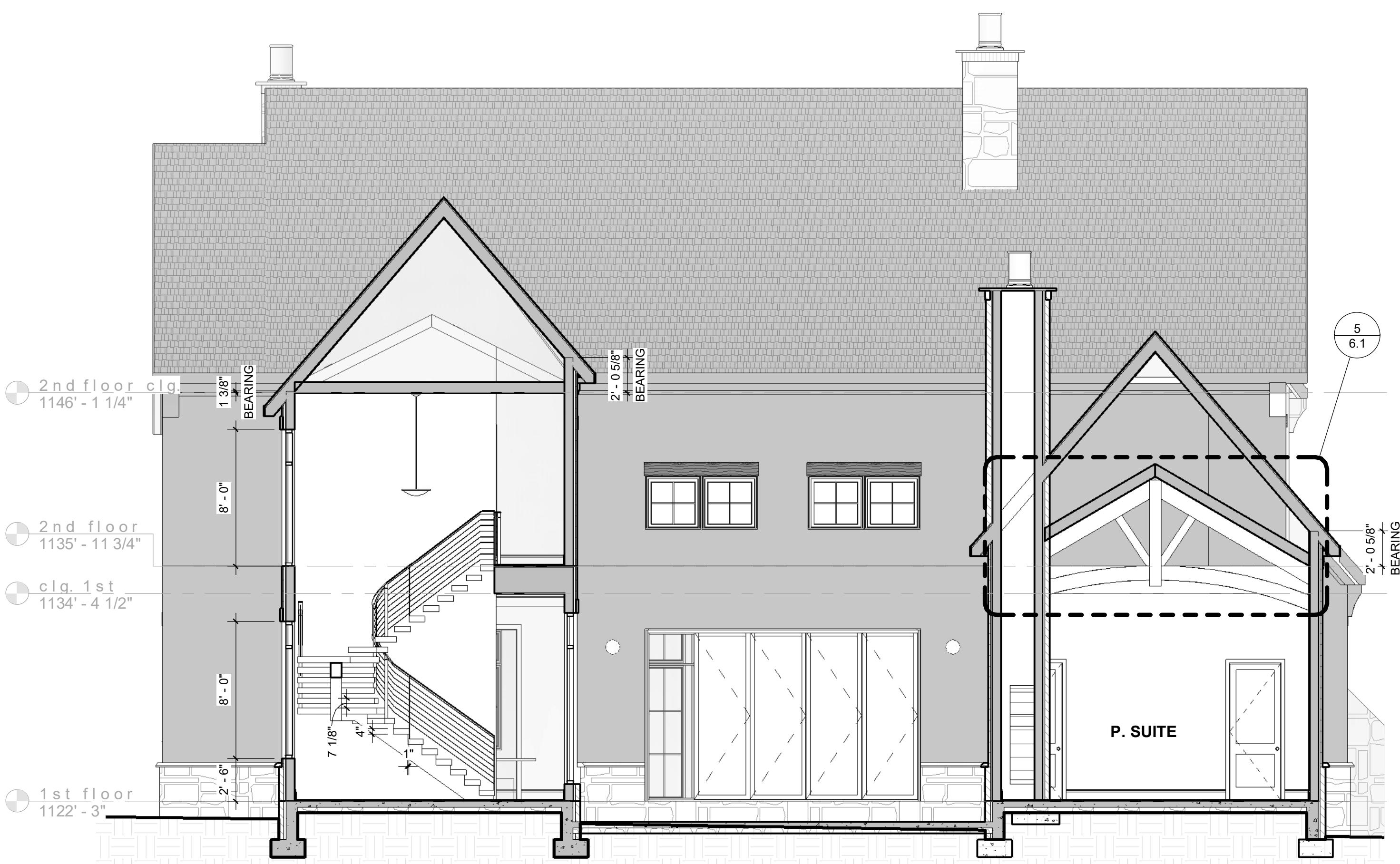
3.0

Scale 3/16" = 1'-0"

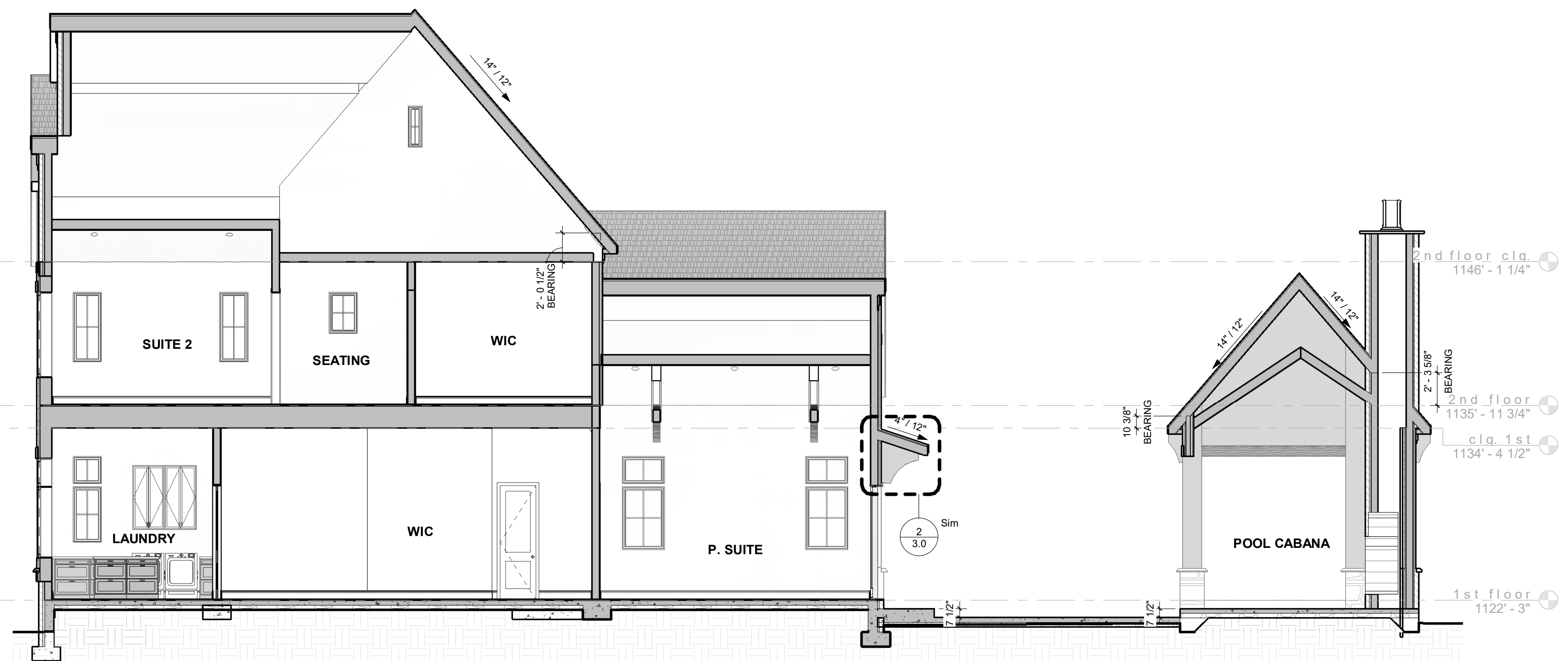
2 Section through Foyer
scale: 3/16" = 1'-0"



3 Section Through Stair
scale: 3/16" = 1'-0"



1 Section through Pool Cabana
scale: 3/16" = 1'-0"



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Revision Schedule

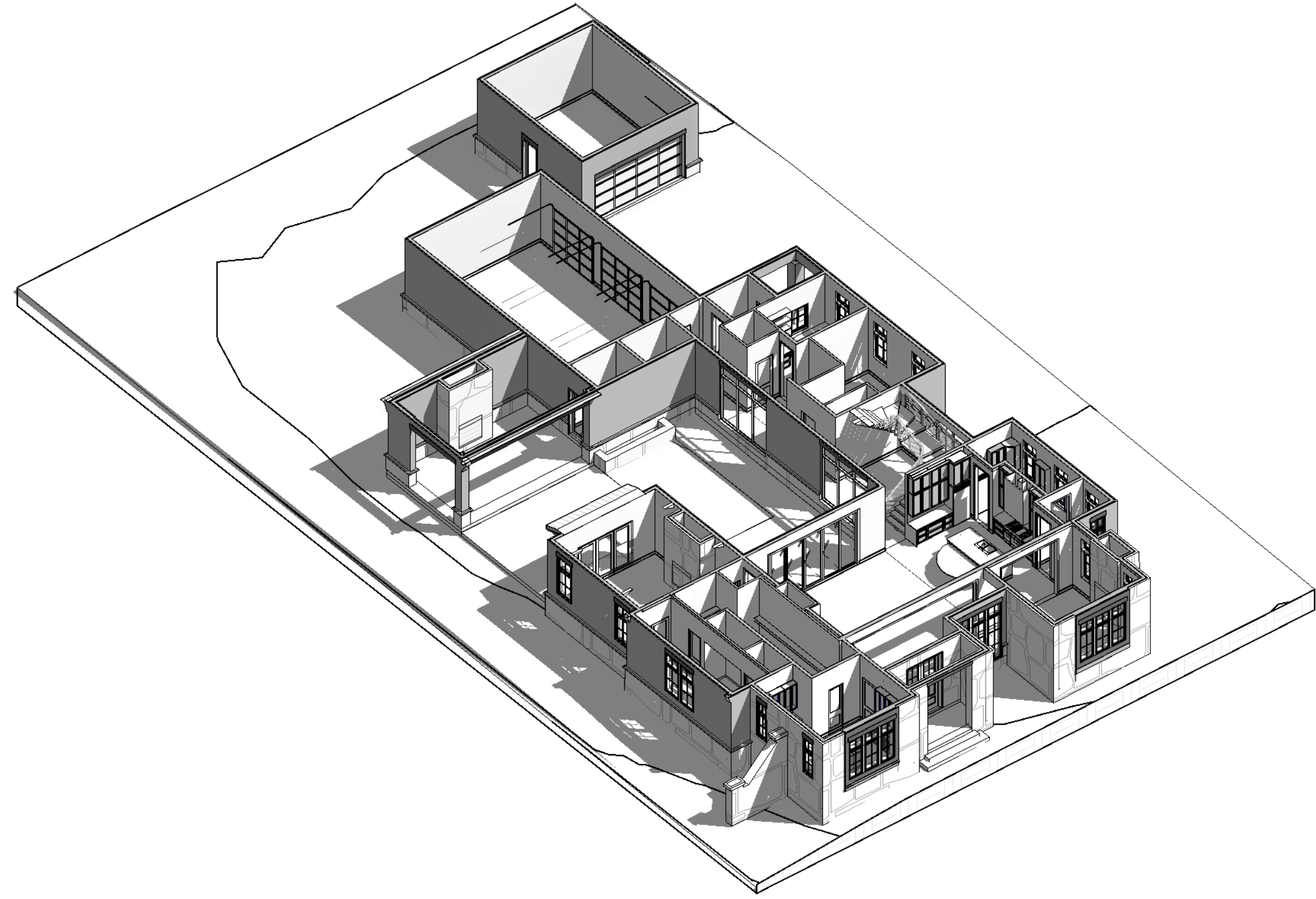
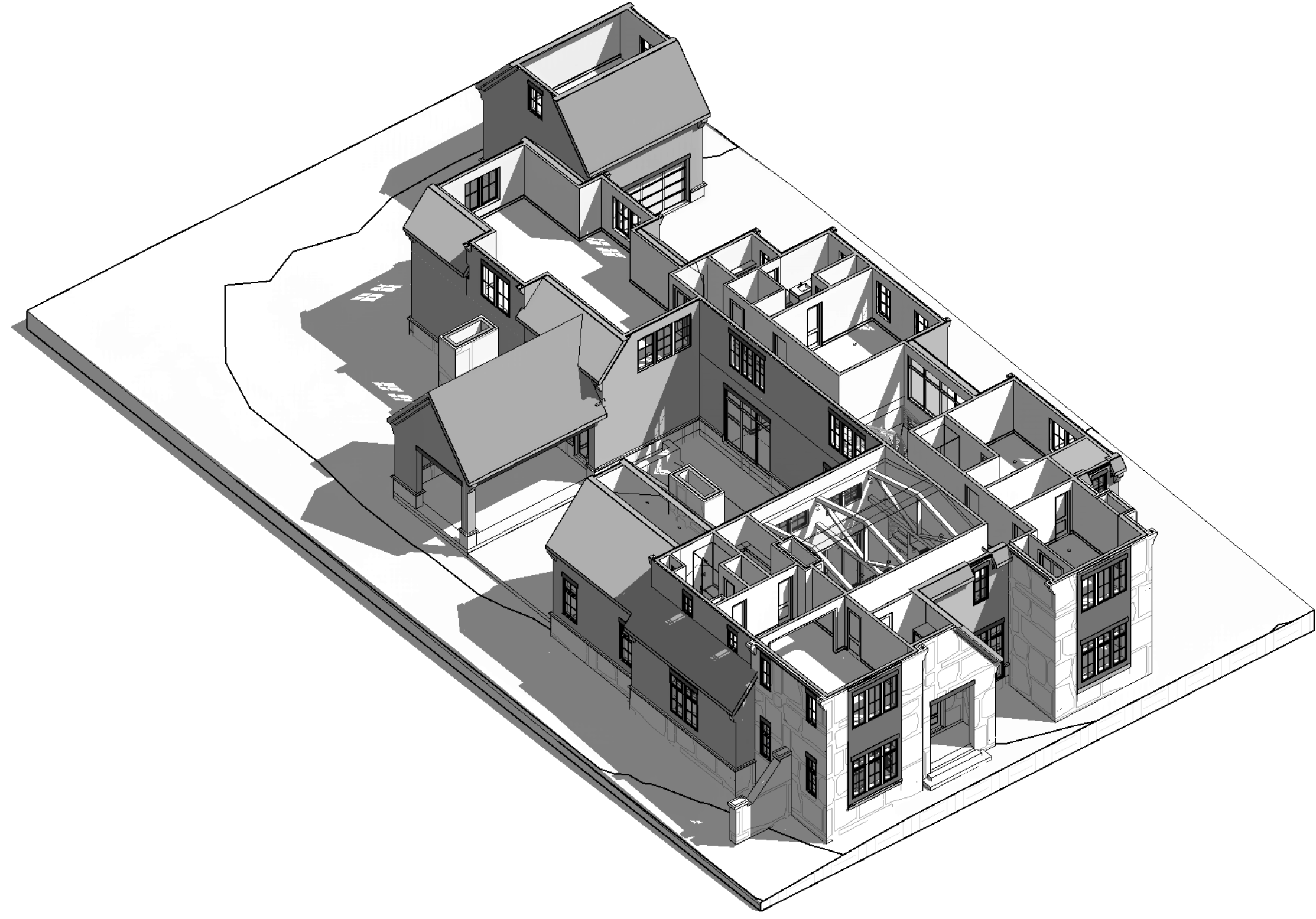
#	Description	Date
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BUILDING SECTIONS

Project Number 25-020
Date 012226
Drawn By dmb
Checked By Checker

3.1

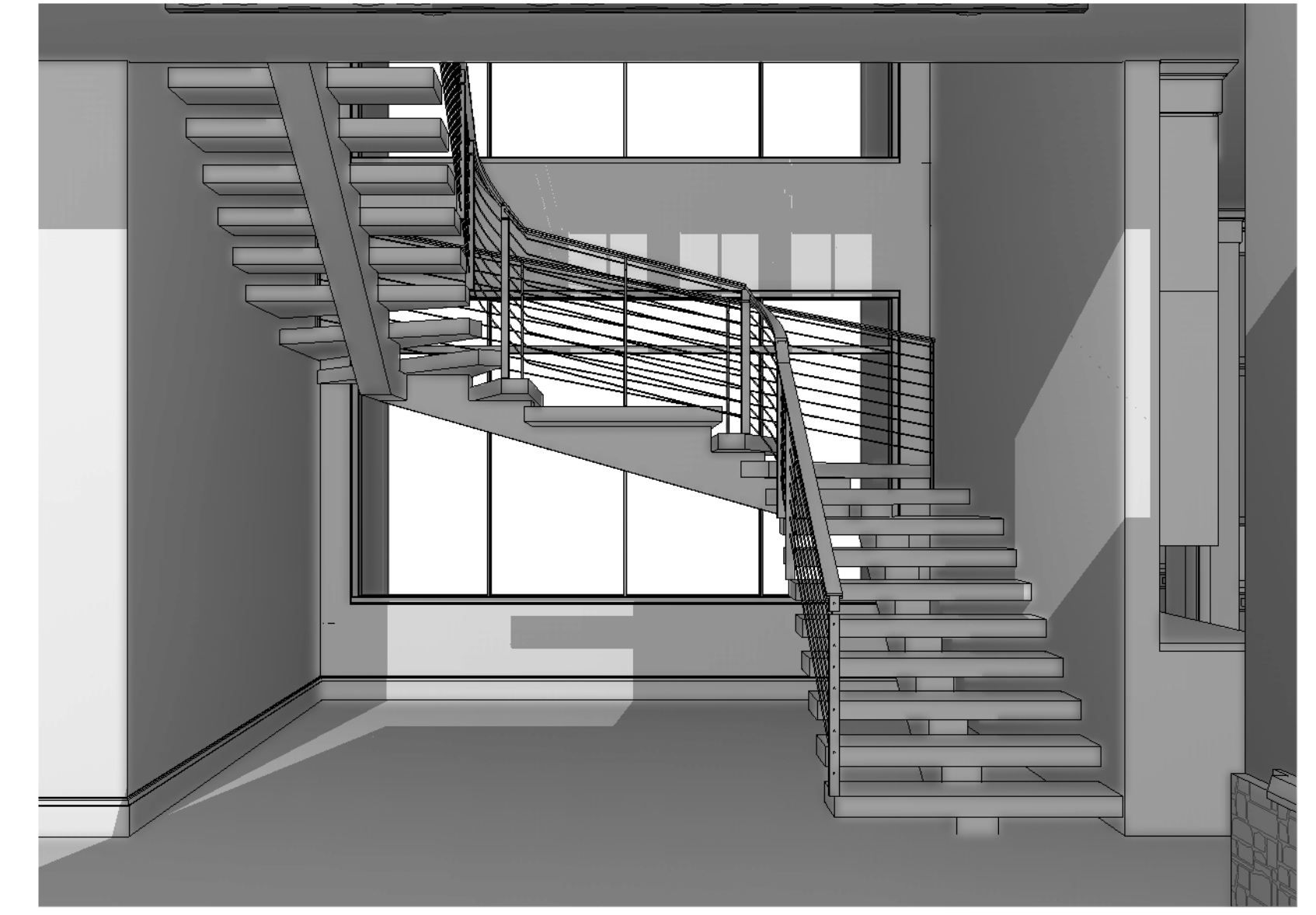
Scale 3/16" = 1'-0"



6 3D View Kitchen
scale:



3 3D View Stair
scale:



5 3D View P. bath
scale:



2 3D View Living Room
scale:



9 3D View Kitchen Island
scale:



4 3D View 9
scale:



1 3D View Cov. Terrace
scale:



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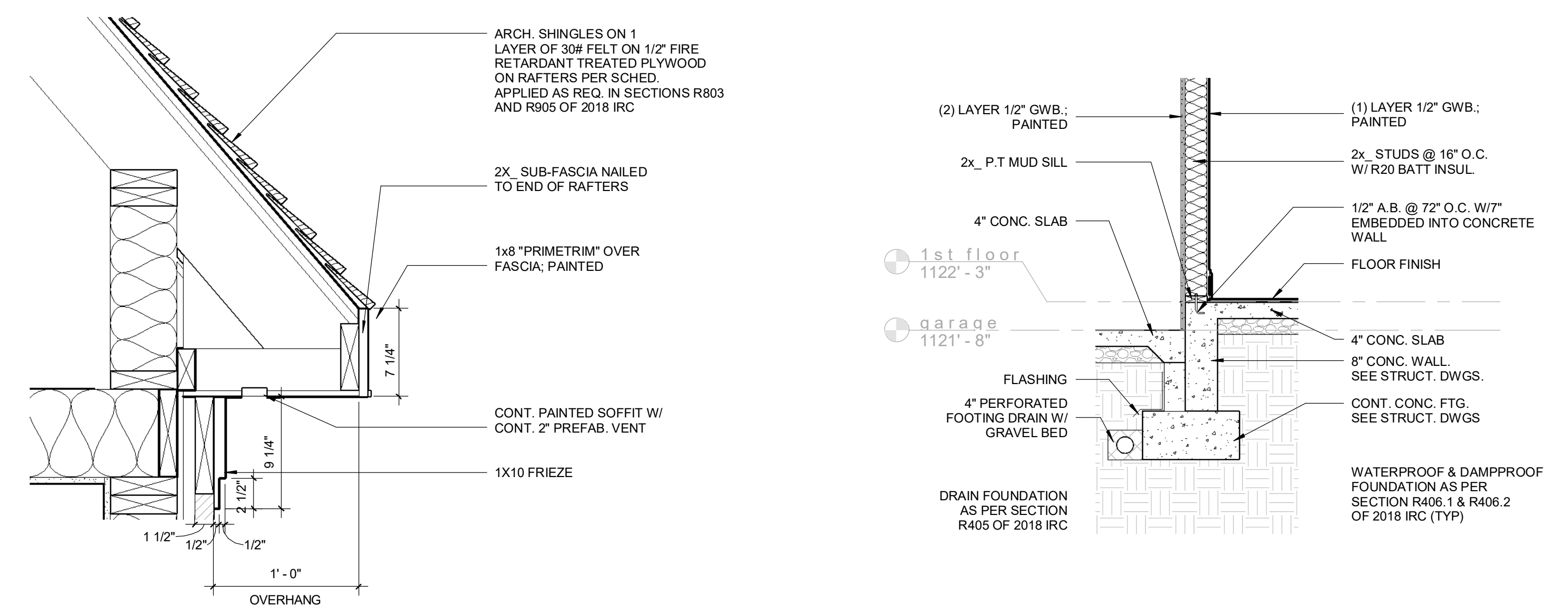
#	Description	Date

3D VIEWS

Project Number 25-020
Date 012226
Drawn By dmb
Checked By Checker

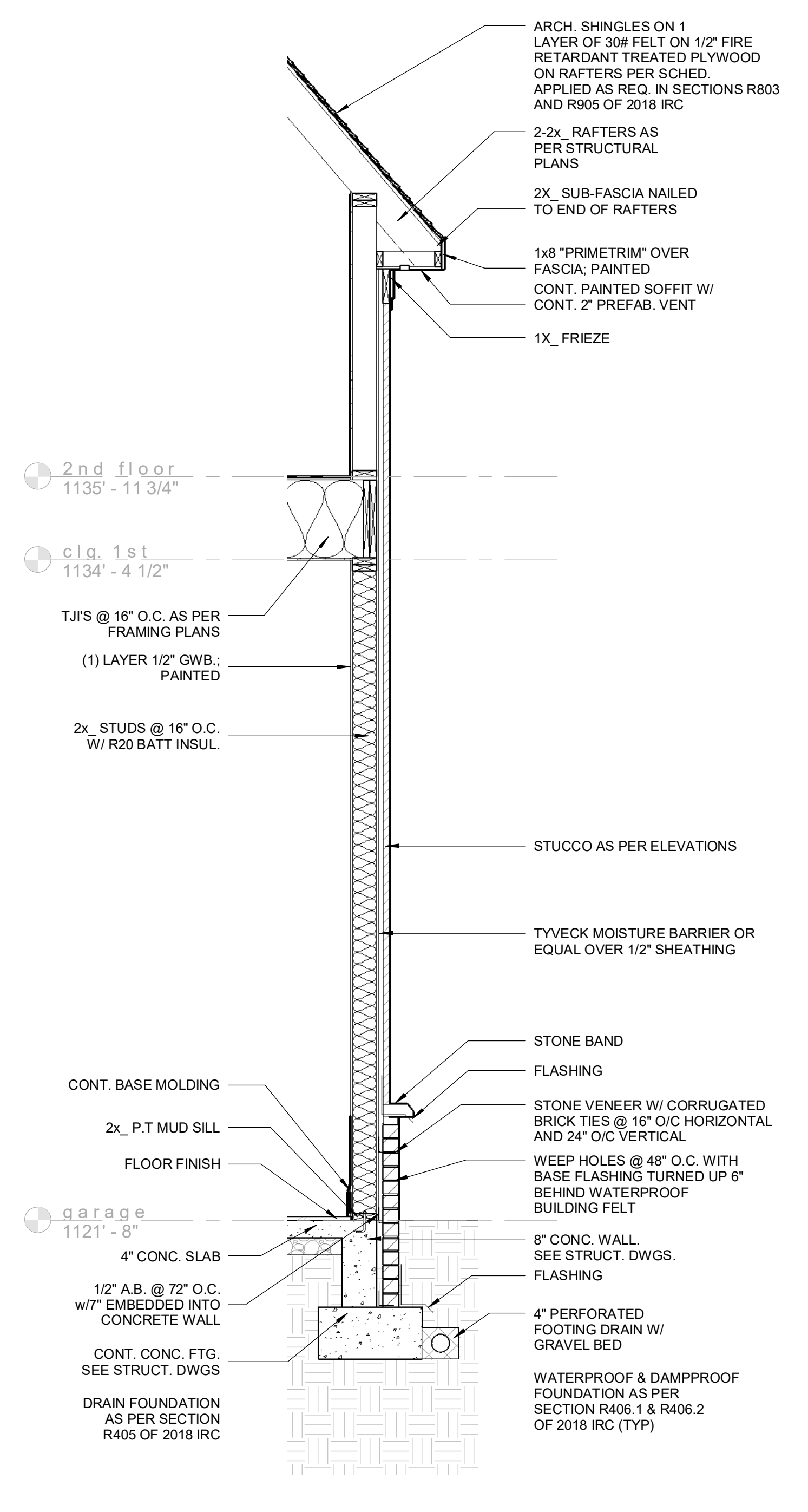
4.0

Scale

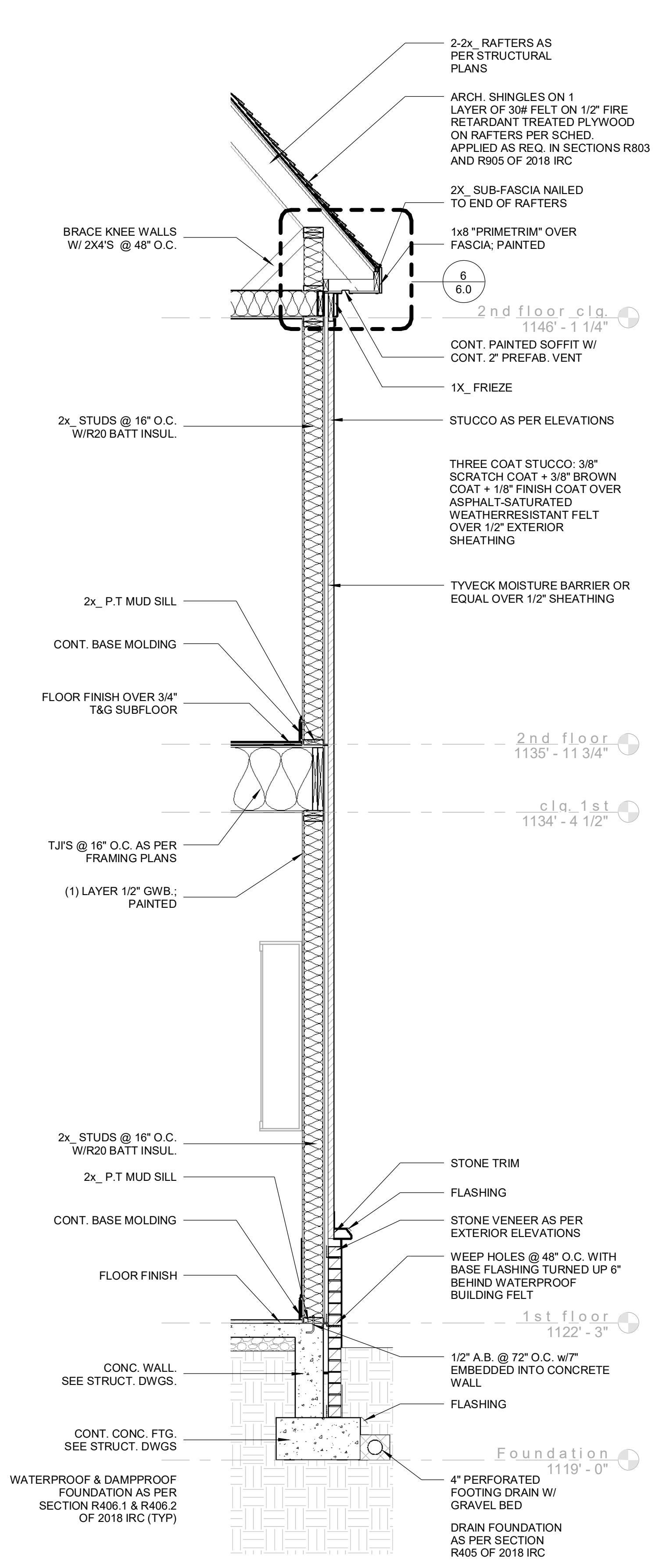


6 Overhang detail
scale: 1 1/2" = 1'-0"

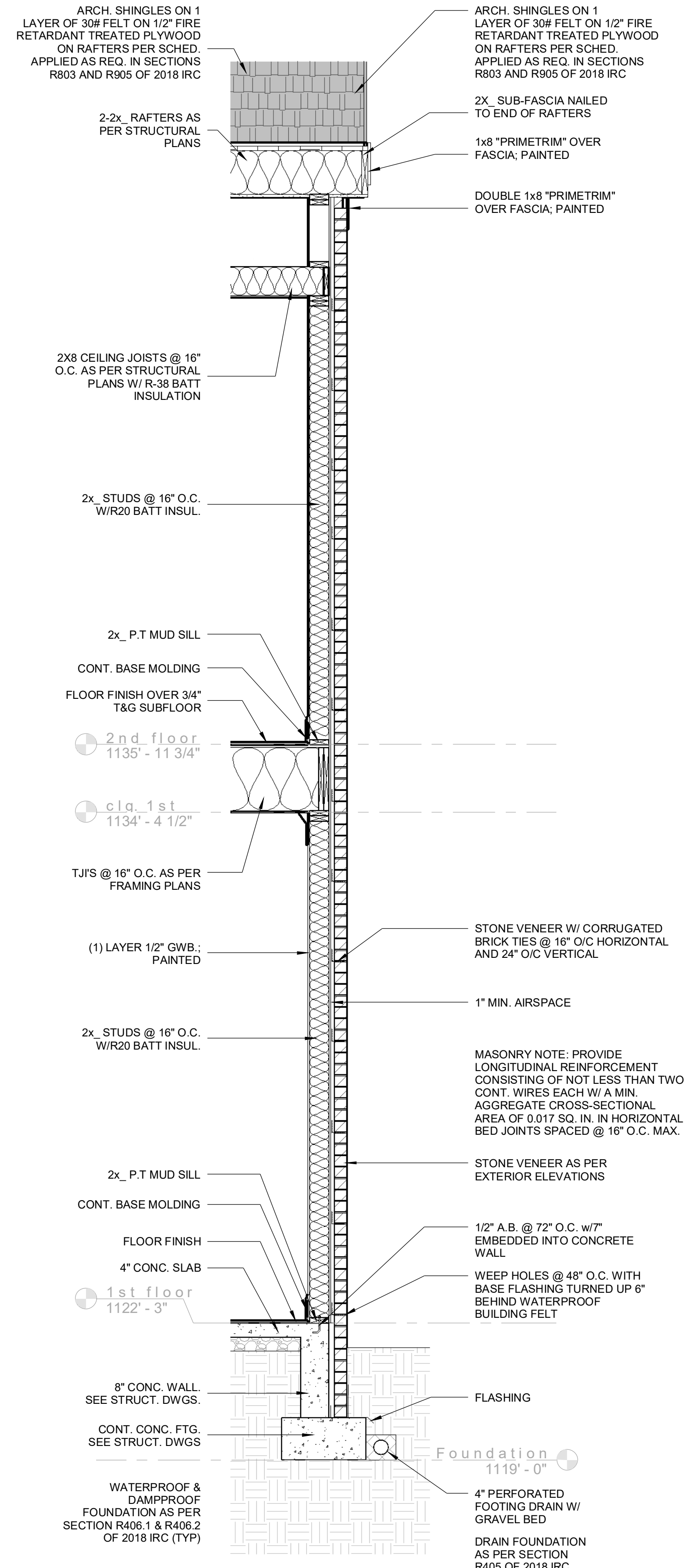
5 House to Garage Wall Section
scale: 1/2" = 1'-0"



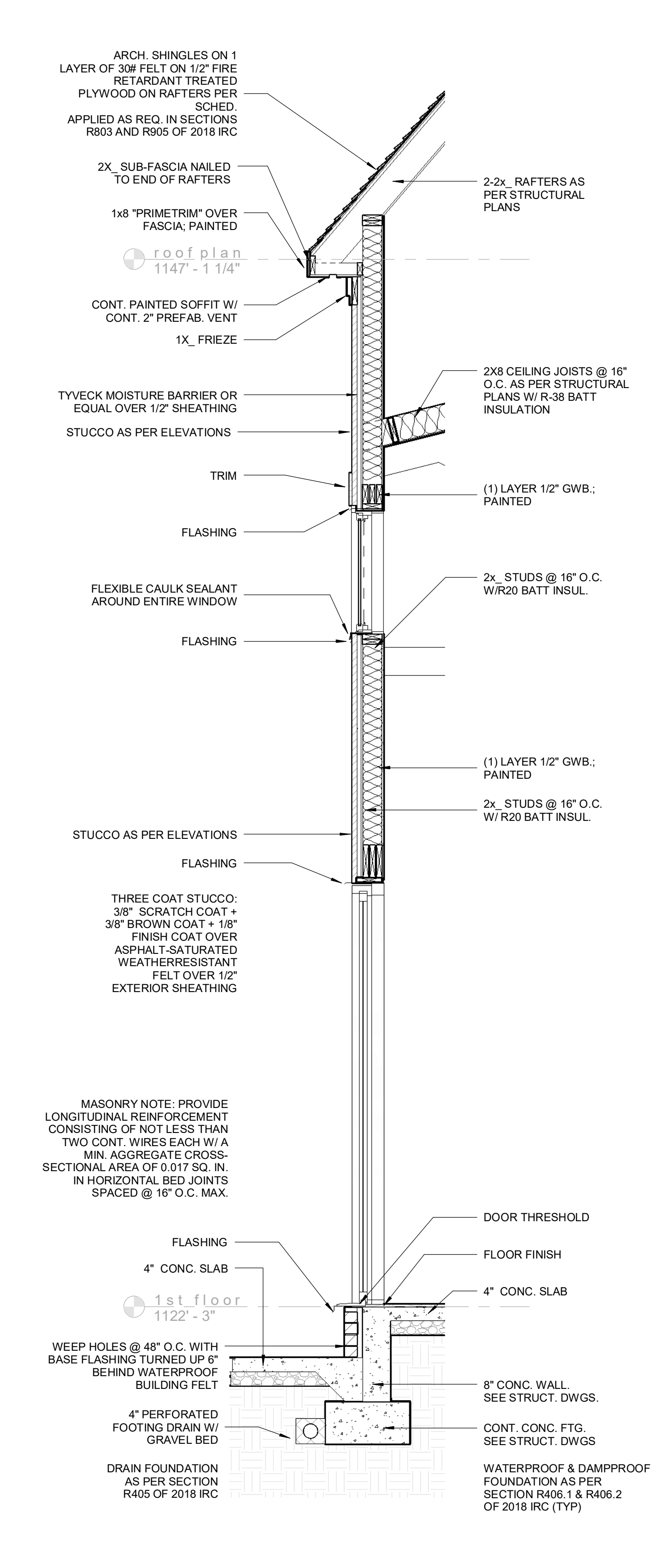
4 Ext. Wall at Garage
scale: 1/2" = 1'-0"



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



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



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

#	Description	Comments

Rough Framing Dimensions

Model	Width A	Height B	Depth C
Model 28	38 1/2"	61 3/4"	29 1/2"
Model 36	46"	71"	29 1/2"
Model 42	52"	71"	29 1/2"
Model 48	56"	71"	29 1/2"

Clearance to Combustible Trim - 28, 36, 42 & 48 Models

Heath Extensions
All MAGNUM 28, 36, 42, and 48 fireplaces shall have hearth extensions of brick, concrete, stone, tile, or other code approved non-combustible material. Suitable hearth extension material shall be placed on the hearth extension's non-combustible substrate and must extend to at least twenty inches (20") in front of the fireplace's finished opening and must extend to at least twelve inches (12") beyond the sides of the finished fireplace opening (Figure 68).

WARNING: The non-combustible hearth extension, by code, must sit on non-combustible substrate, which shall have no wood underpinning. This means that grade wood floor systems shall be constructed in such a way that all wood floor joists and sub-flooring shall stop twenty inches (20") out from the front of the fireplace (Figure 69).

Magnum Series (All Fuel) Specifications

MANUFACTURER: ISOKERN Fireplace and Chimney Systems, North America distribution by Earthcore Industries, LLC, Jacksonville, Florida (Telephone 800-642-2920)

PRODUCT DESCRIPTION: Modular refractory masonry precast fireplace and chimney components.

- Designed for field assembly as a fireplace and chimney unit.
- All interlocking parts necessary for assembly of a complete firebox and smoke dome.
- Interlocking double module chimney components (DM).

Corner Installation Framing Dimensions

The following chart of dimensions detail the positioning of an MAGNUM Series fireplace in a corner. It also details the positioning of DM chimney where it must turn 45° degrees, if alignment is needed to overhead framing.

INSTALLATION:

- Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details.
- Suitable masonry foundation and noncombustible hearth extensions must be provided.
- Unit to be assembled on site per manufacturer's illustrated instructions.
- Premixed EARTHCHORE ADHESIVE is used at all joints between components.
- Firebox to be lined with a minimum 1-1/8" thick rated firebrick (Models 28-48").
- Firebox back-wall and floor to be lined with a minimum 1-1/8" thick rated firebrick and 4" thick rated firebrick on side walls (Models 60/72").
- A 1-1/2" minimum clearance to combustible materials is required.
- A 3" minimum clearance to insulation required.

MODULAR REFRACTORY FIREPLACE

MAGNUM	Clear	Chimney	Chimney
Model 28	38 1/2"	29 1/2"	61 3/4"
Model 36	46"	29 1/2"	71"
Model 42	52"	29 1/2"	71"
Model 48	56"	29 1/2"	71"

SCAN QR CODE FOR LATEST INSTALLATION MANUALS

48" MAGNUM

GENERAL INFORMATION AND SPECIFICATIONS

Model	Width A	Height B	Depth C
Model 48	56"	71"	29 1/2"

Typical Installation Framing Dimensions

MAGNUM	Width A	Height B	Depth C
Model 60	76 1/2"	87 1/2"	29 1/2"
Model 72	88 1/2"	87 1/2"	29 1/2"

Clearance to Combustible Trim - 60 & 72 Models

Heath Extensions
All MAGNUM 60 & 72 fireplaces shall have hearth extensions of brick, concrete, stone, tile or other code approved non-combustible material. Suitable hearth extension material for the MAGNUM Series fireplace shall be placed on the hearth extension's non-combustible substrate and must extend to at least twenty three inches (23") in front of the fireplace's finished opening and must extend to at least twelve inches (12") beyond the sides of the finished fireplace opening (Figure 80 & 81).

WARNING: The non-combustible hearth extension, by code, must sit on non-combustible substrate which shall have no wood underpinning. This means that grade wood floor systems shall be constructed in such a way that all wood floor joists and sub-flooring shall stop twenty four inches (24") out from the front of the MAGNUM firebox (Figure 81).

Corner Installation Framing Dimensions

The following chart of dimensions detail the positioning of an MAGNUM Series fireplace in a corner. It also details the positioning of DM chimney where it must turn 45° degrees, if alignment is needed to overhead framing.

MODULAR REFRACTORY FIREPLACE

MAGNUM	Clear	Chimney	Chimney
Model 60	76 1/2"	29 1/2"	87 1/2"
Model 72	88 1/2"	29 1/2"	87 1/2"

SCAN QR CODE FOR LATEST INSTALLATION MANUALS

Magnum Series (All Fuel) Specifications

MANUFACTURER: ISOKERN Fireplace and Chimney Systems, North America distribution by Earthcore Industries, LLC, Jacksonville, Florida (Telephone 800-642-2920)

PRODUCT DESCRIPTION: Modular refractory masonry precast fireplace and chimney components.

- Designed for field assembly as a fireplace and chimney unit.
- All interlocking parts necessary for assembly of a complete firebox and smoke dome.
- Interlocking double module chimney components (DM).

INSTALLATION:

- Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details.
- Suitable masonry foundation and noncombustible hearth extensions must be provided.
- Unit to be assembled on site per manufacturer's illustrated instructions.
- Premixed EARTHCHORE ADHESIVE is used at all joints between components.
- Firebox to be lined with a minimum 1-1/8" thick rated firebrick (Models 28-48").
- Firebox back-wall and floor to be lined with a minimum 1-1/8" thick rated firebrick and 4" thick rated firebrick on side walls (Models 60/72").
- A 1-1/2" minimum clearance to combustible materials is required.
- A 3" minimum clearance to insulation required.

72" MAGNUM

GENERAL INFORMATION AND SPECIFICATIONS

Model	Width A	Height B	Depth C
Model 72	88 1/2"	87 1/2"	29 1/2"

4 STRUCTURAL FRAMING NOTES

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

STRUCTURAL STEEL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL.
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS
W & WT - A992 (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)
3. BOLTS SHALL BE 3/4 INCH DIAMETER A325N, WITH THREADS INCLUDED IN THE SHEAR PLANE, FOR ALL STRUCTURAL FRAMING.
4. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED ACCORDING TO R208-2009 "SPECIFICATIONS FOR STANDARD JOINTS" USING ASTM A325 OR A490 BOLTS.
5. ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS.
6. ALL BOLTS IN SLOTTED HOLES SHALL BE FINGER TIGHT WITH LOCK NUTS.
7. 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.
8. SHOP CONNECTIONS ARE TO BE WELDED CONNECTIONS, AND UNLESS OTHERWISE SHOWN ON THE DRAWINGS, FIELD CONNECTIONS ARE TO BE BOLTED.

STRUCTURAL WOOD FRAMING NOTES

1. 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.
2. LUMBER SIZES SPECIFIED ON THE PLANS ARE MINIMUM NOMINAL DIMENSIONS.
3. ALL LUMBER SHALL BE IDENTIFIED BY AN AFFIXED GRADE MARK OF A LUMBER GRADING AGENCY OR INSPECTING AGENCY.
4. 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.
5. FINGER JOINTED SPRUCE-PINE-FIR #2 LUMBER MEETING PRODUCT STANDARD SPS1 AND C/QC101.97 MAY BE USED FOR RAFTERS. FINGER JOINTED STUD GRADE SPRUCE-PINE-FIR LUMBER MEETING PRODUCT STANDARD SPS3 AND C/QC101.97 MAY BE USED FOR STUDS.
6. 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.
7. 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.
8. PROVIDE SIMPSON STRONG-TIE, OR APPROVED EQUAL, CONNECTORS AT ALL LOCATIONS SHOWN ON THE PLANS.
9. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES: Fb = 2650 psi, Fv = 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: 1/2" = 1'-0"

GENERAL NOTES AND REQUIREMENTS:

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

FOUNDATION NOTES:

1. 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.
2. FOOTINGS SHALL BEAR 12" MINIMUM INTO UNDISTURBED EARTH OR MECHANICALLY COMPACTED FILL.
3. FILL SOILS SHALL HAVE COMPACTION TESTS PERFORMED BY A GEOTECHNICAL ENGINEER.
4. 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.
5. 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.
6. DEPTHS OF THE FOOTINGS SHOWN ON THE DRAWINGS ARE MINIMUM. FOOTING ELEVATION MAY BE LOWERED IF FOUND NECESSARY BY THE ENGINEER.

CONCRETE NOTES:

1. 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 ACI318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
2. CONCRETE SHALL BE NORMAL WEIGHT GRAY CONCRETE AND DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
3. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A615: GRADE 40 - #3 BARS GRADE 60 - #4 BARS AND LARGER
4. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
5. WHERE THE LENGTH OF A BAR IS GIVEN, AND IT IS TO BE HOOKED, THE HOOK SHALL BE IN ADDITION TO THE LENGTH GIVEN.
6. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN SLABS OR WALLS.
7. ALL CONSTRUCTION JOINTS SHALL BE ROUGH SURFACE AND CLEANED BEFORE THE NEXT CONCRETE POUR.
8. 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.
9. MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS SHALL BE CHECKED FOR EMBEDDED ITEMS AND PENETRATIONS PRIOR TO CONCRETE PLACEMENT.
10. MINIMUM LAP SPLICE LENGTHS:

COMPRESSION

- #4 - 15"
- #5 - 15"
- #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

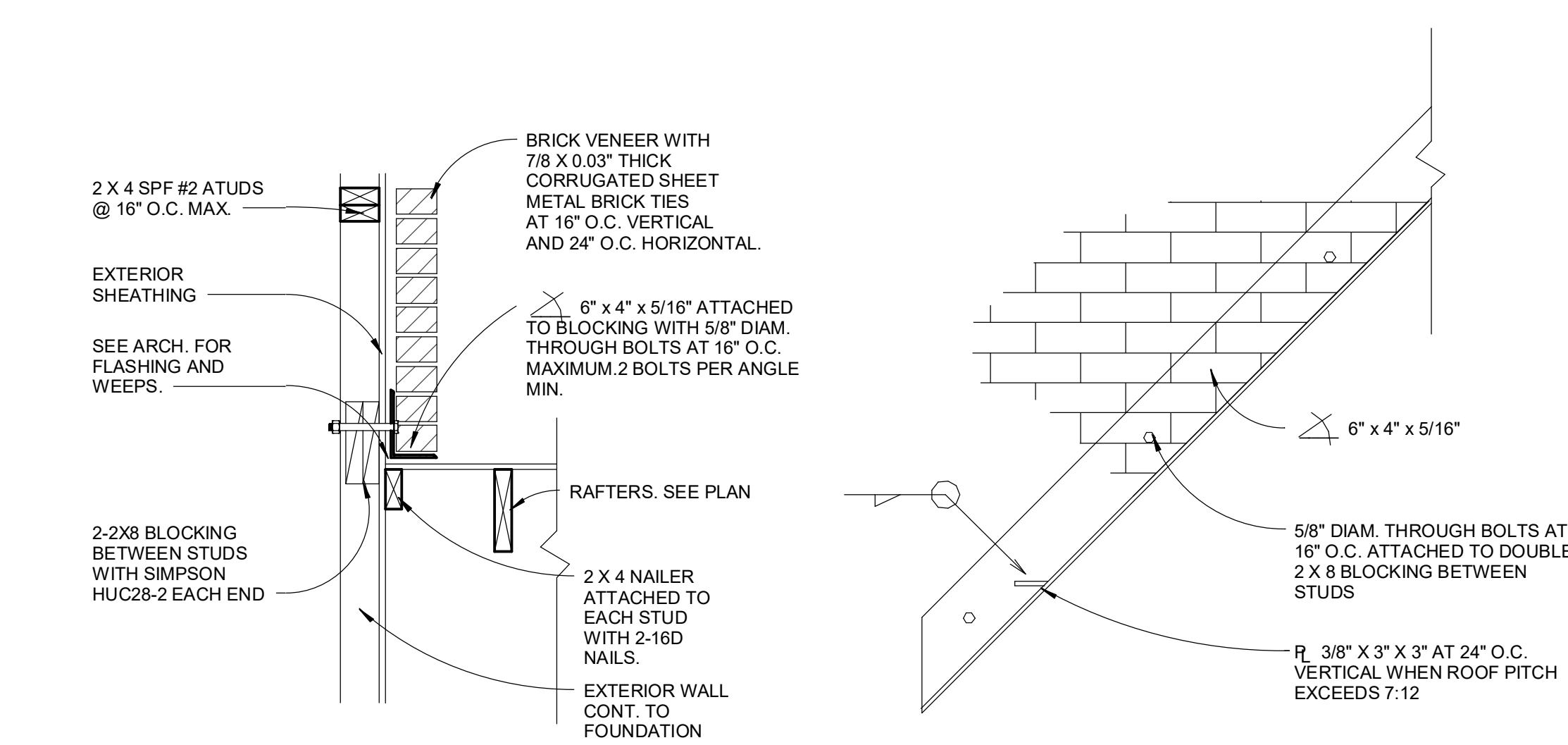
BASIC WIND SPEED (V ult) - 115 MPH WIND EXPOSURE - B
INTERNAL PRESSURE COEFFICIENTS - +0.18
WALL COMPONENT AND CLADDING LOADS (ASD, psf)

	INTERIOR ZONE	END ZONE
10 SF	14.3/-15.0	14.3/-19.0
20 SF	13.9/-14.0	13.8/-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

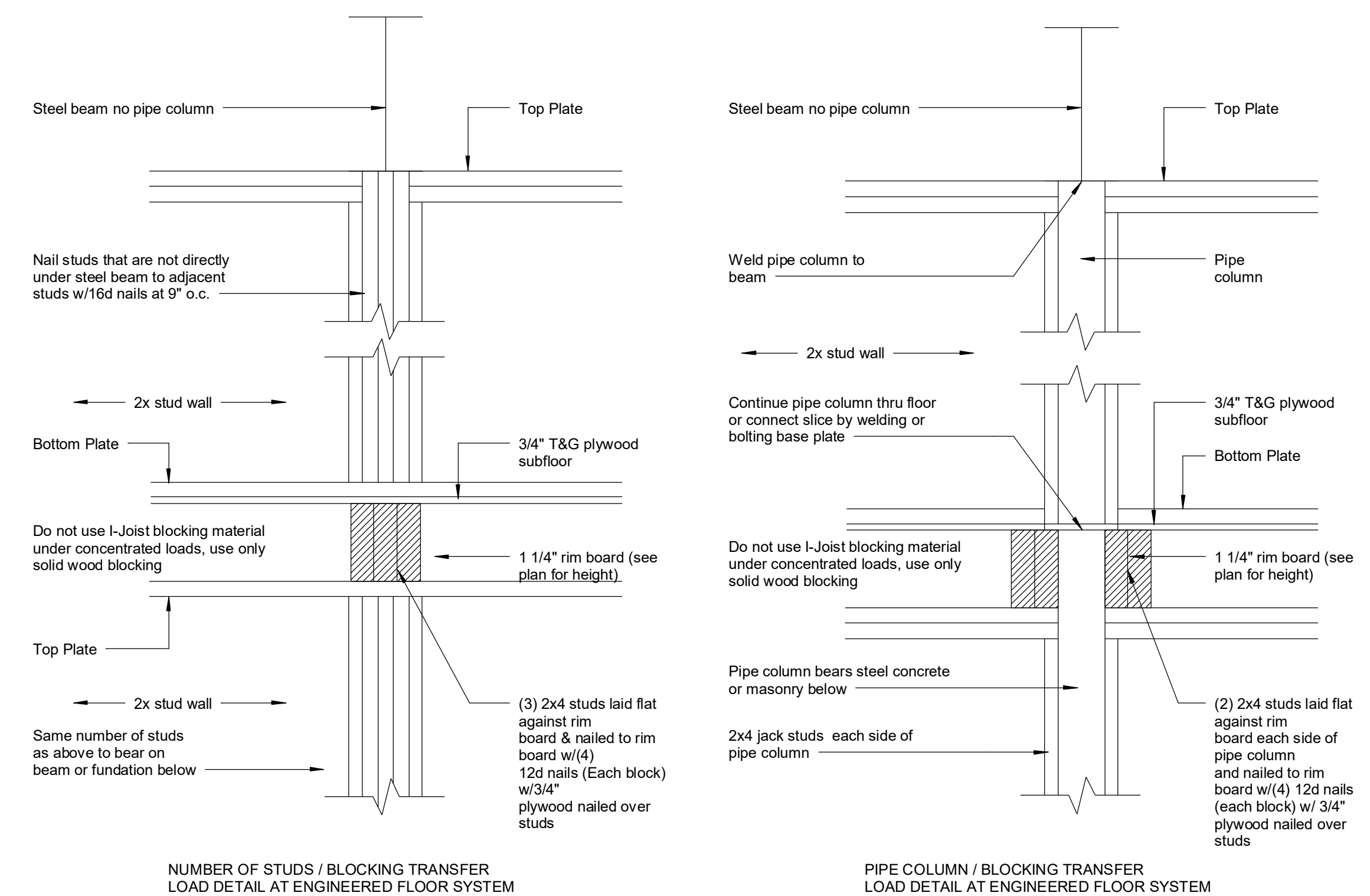
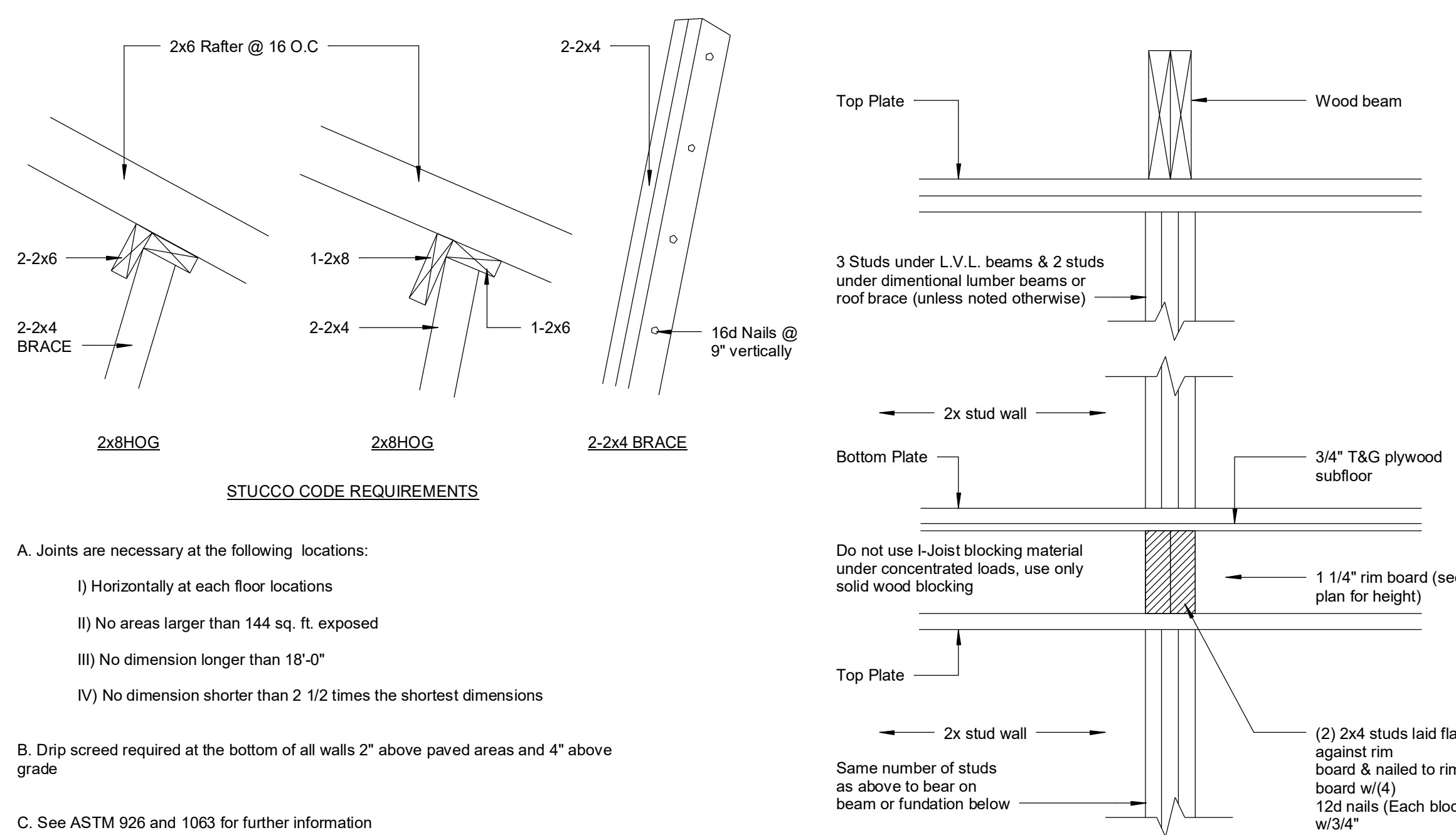
2 BRICK OVER ROOF SUPPORT DETAIL

scale: 1" = 1'-0"



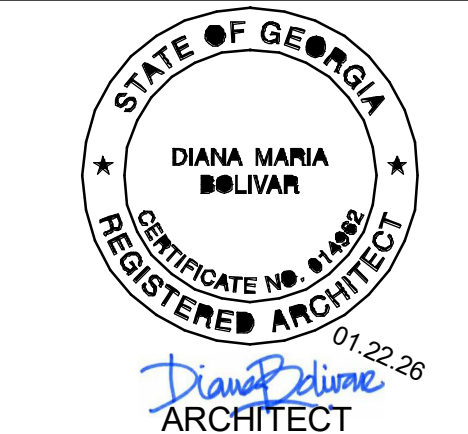
1 TYPICAL POINT LOAD DETAILS

scale: 1" = 1'-0"



db

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Dahlonega, GA 30533



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130 PEBBLE TRAIL
ALPHARETTA, GA 30009

Revision Schedule

#	Description	Date

GENERAL / STRUCTURAL NOTES

Project Number 25-020
Date 012226
Drawn By Author
Checked By Checker

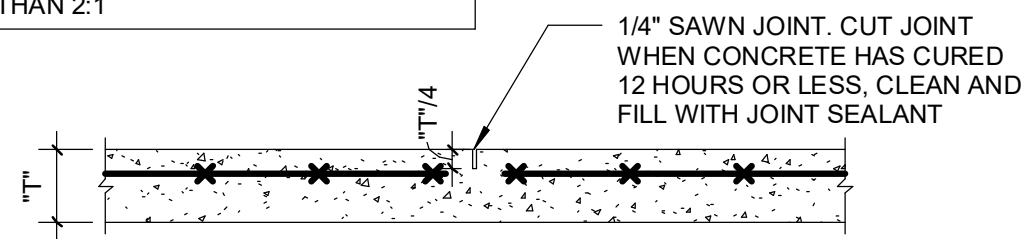
GN1

Scale As indicated

3 STANDARD CONCRETE CONSTRUCTION DETAILS

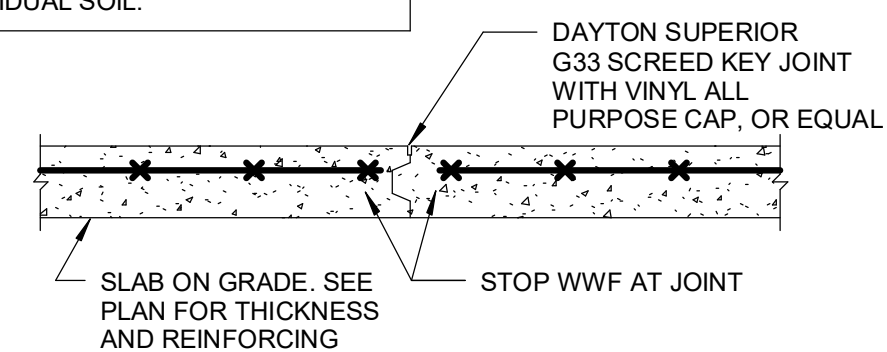
scale: 3/8" = 1'-0"

PROVIDE CONTROL JOINTS SO THAT THE MAXIMUM AREA BOUNDED WITHIN CONTROL JOINTS IS 800 SQUARE FEET, AND THE RATIO OF THE SIDES IS NO MORE THAN 2:1



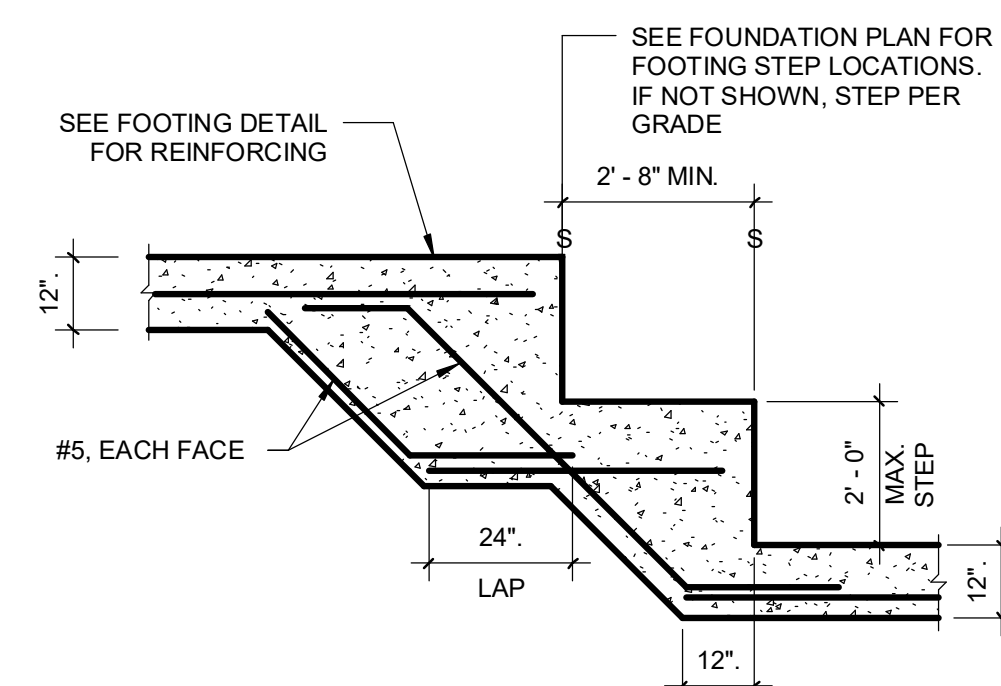
TYPICAL CONTROL JOINT

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

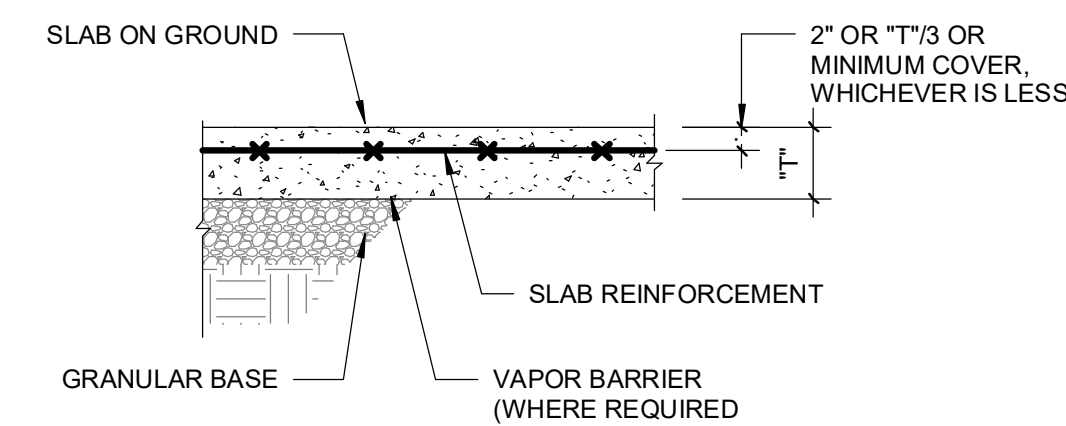


TYPICAL CONTROL JOINT

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



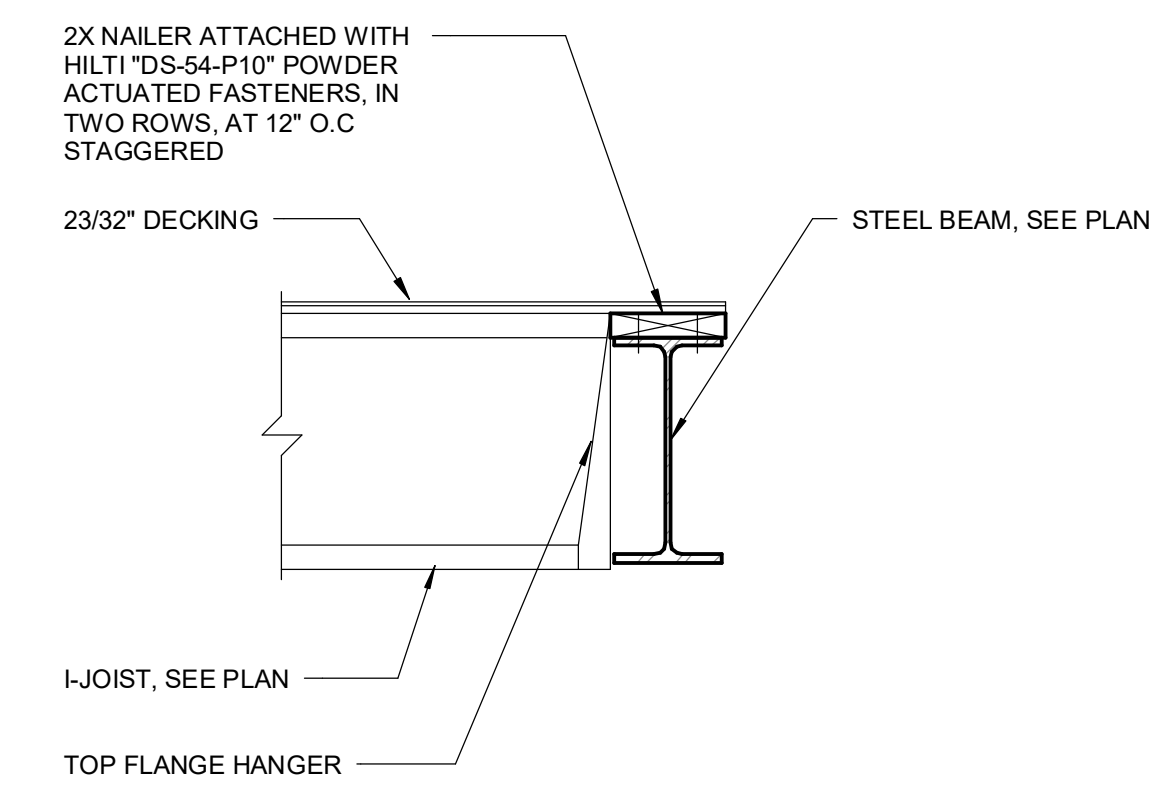
TYPICAL STEPPED FOOTING



TYPICAL SLAB ON GROUND

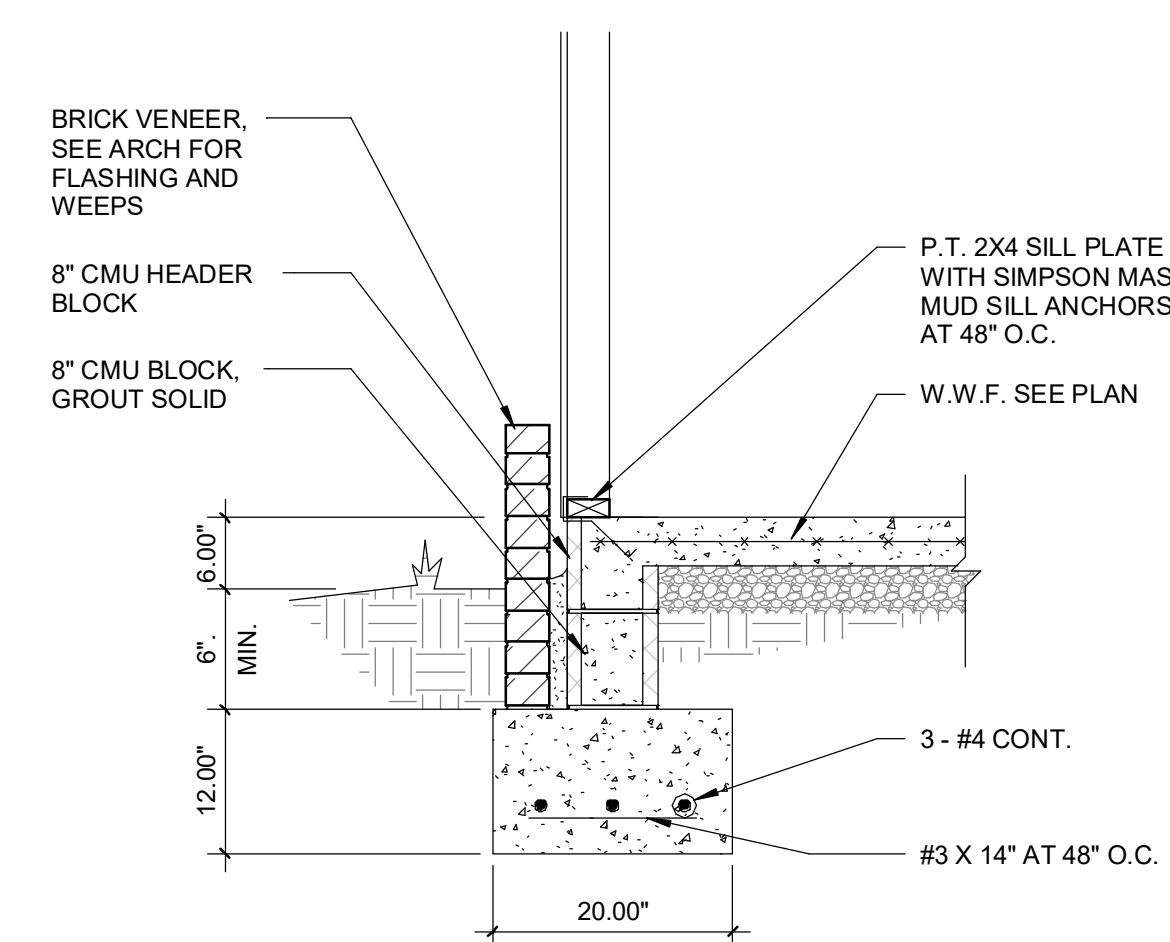
2 I-JOIST TO LVL DTL.

scale: 1" = 1'-0"

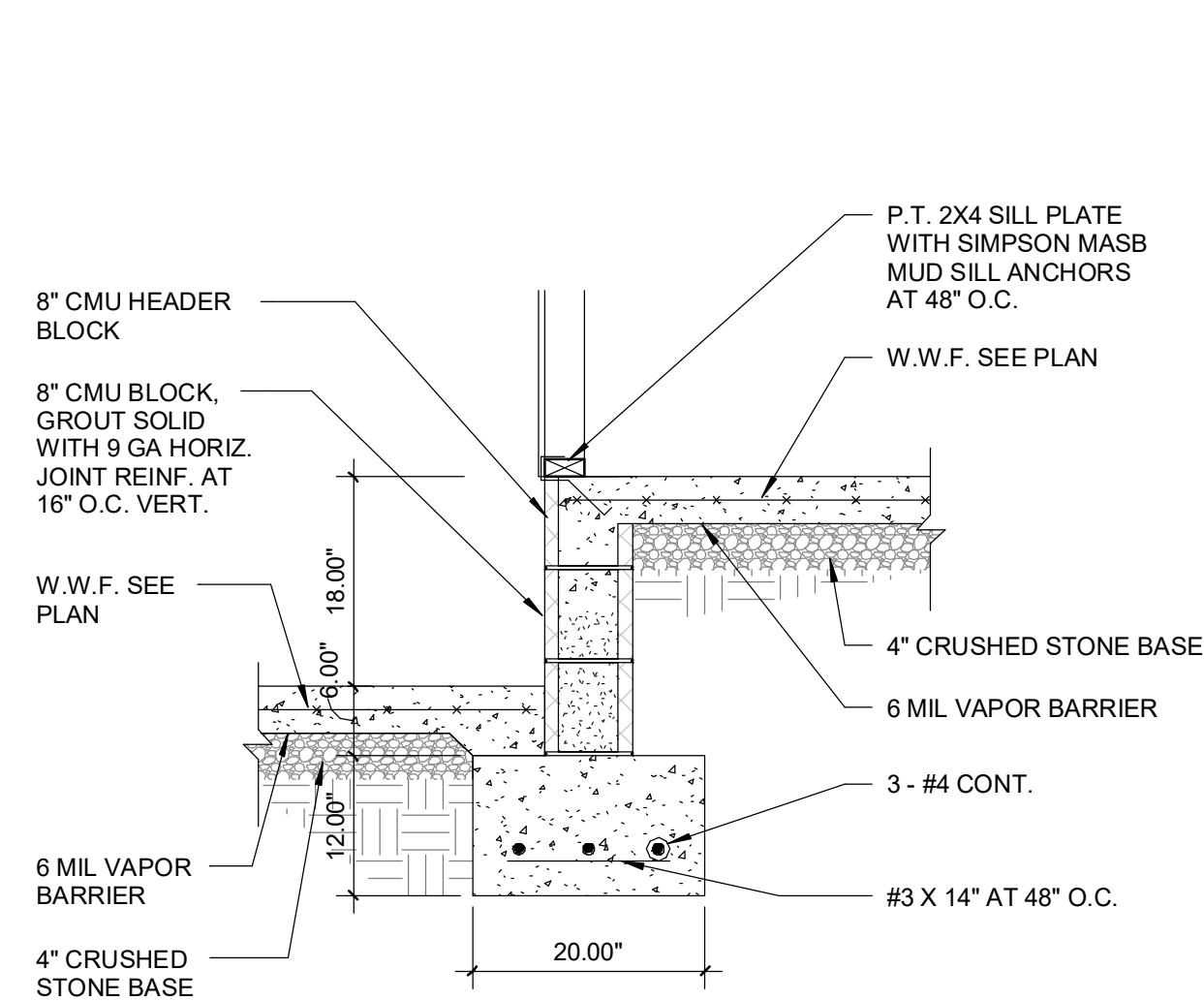


1 FOUNDATION DTLS.

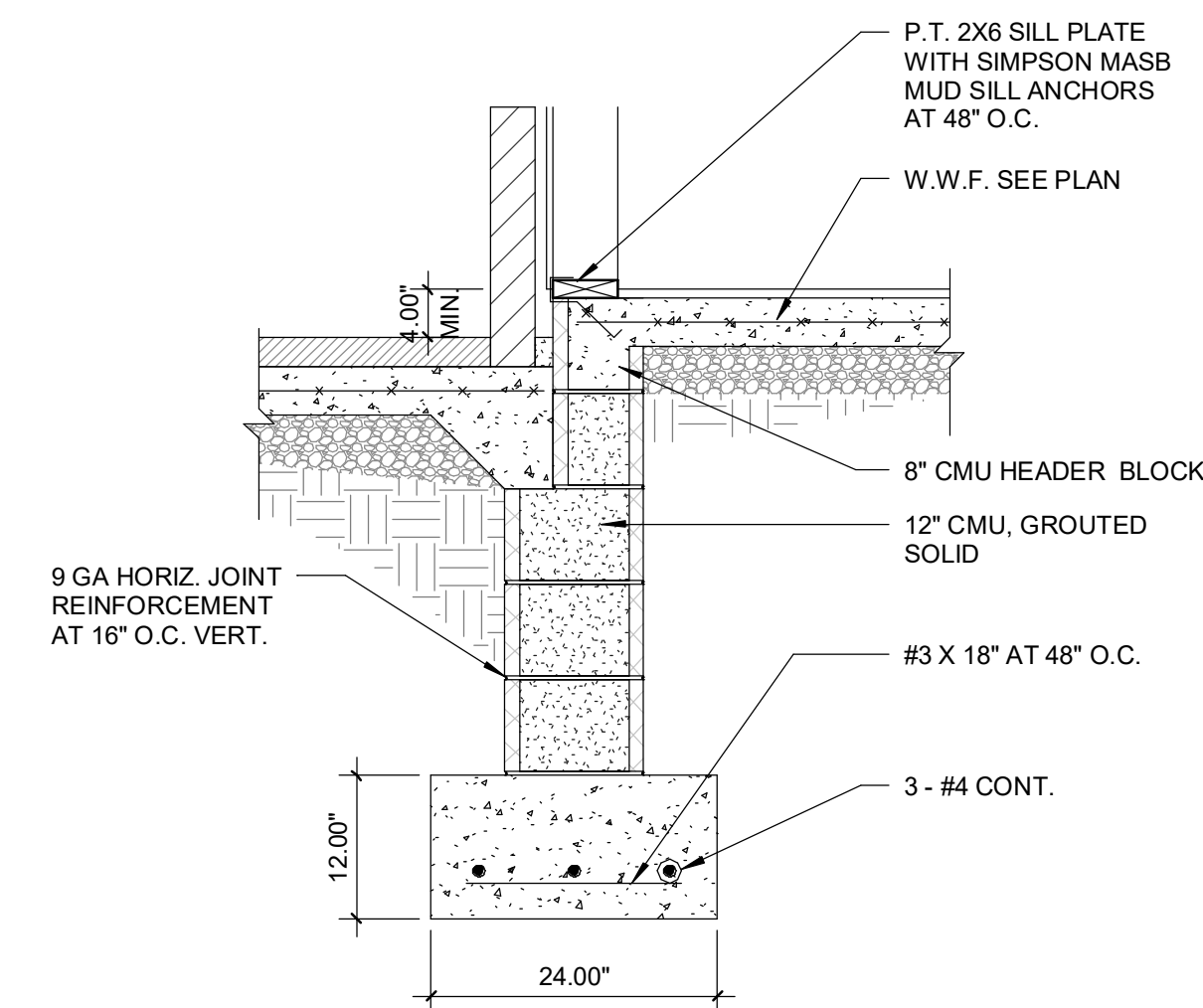
scale: 3/4" = 1'-0"



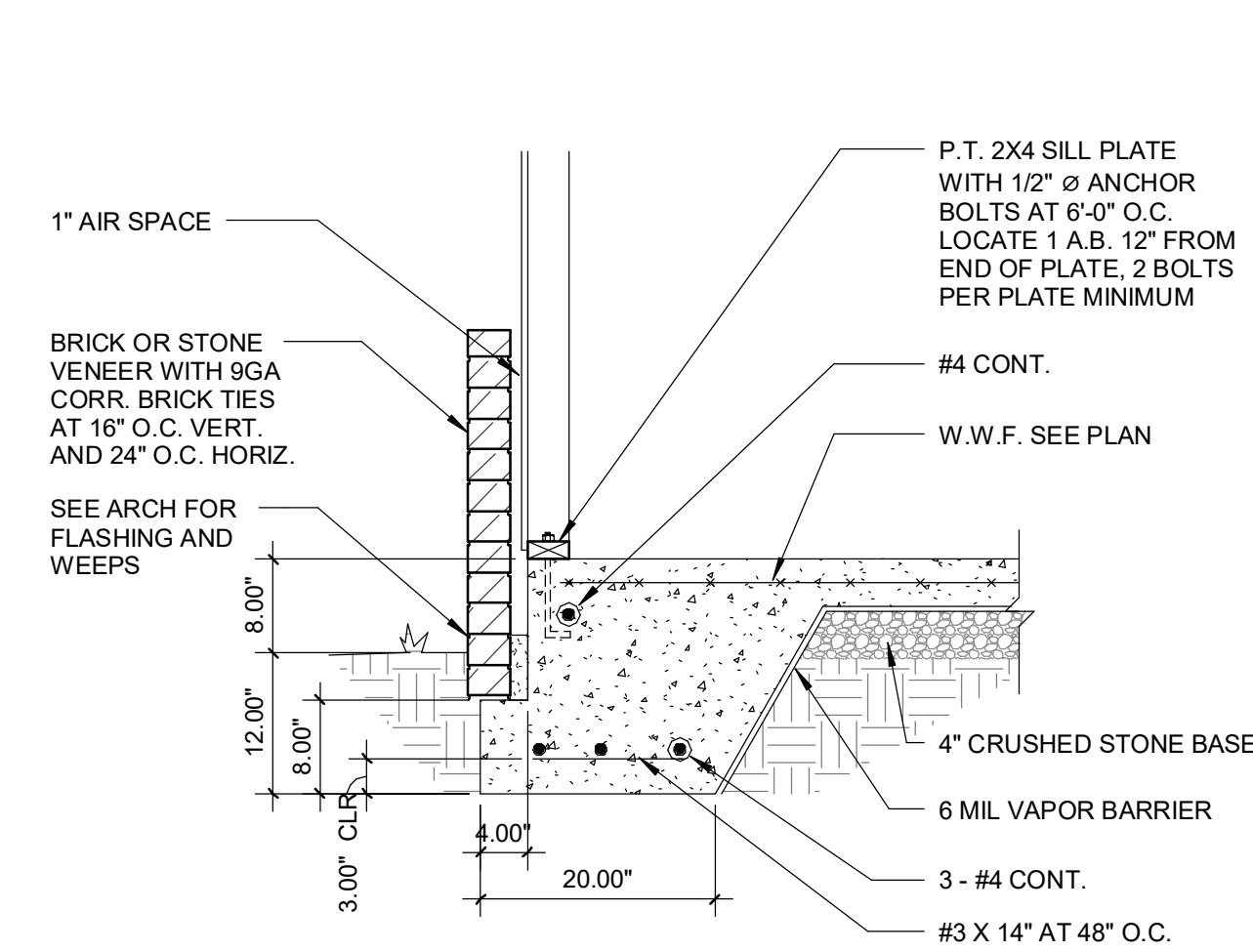
EXTERIOR WALL @ GARAGE



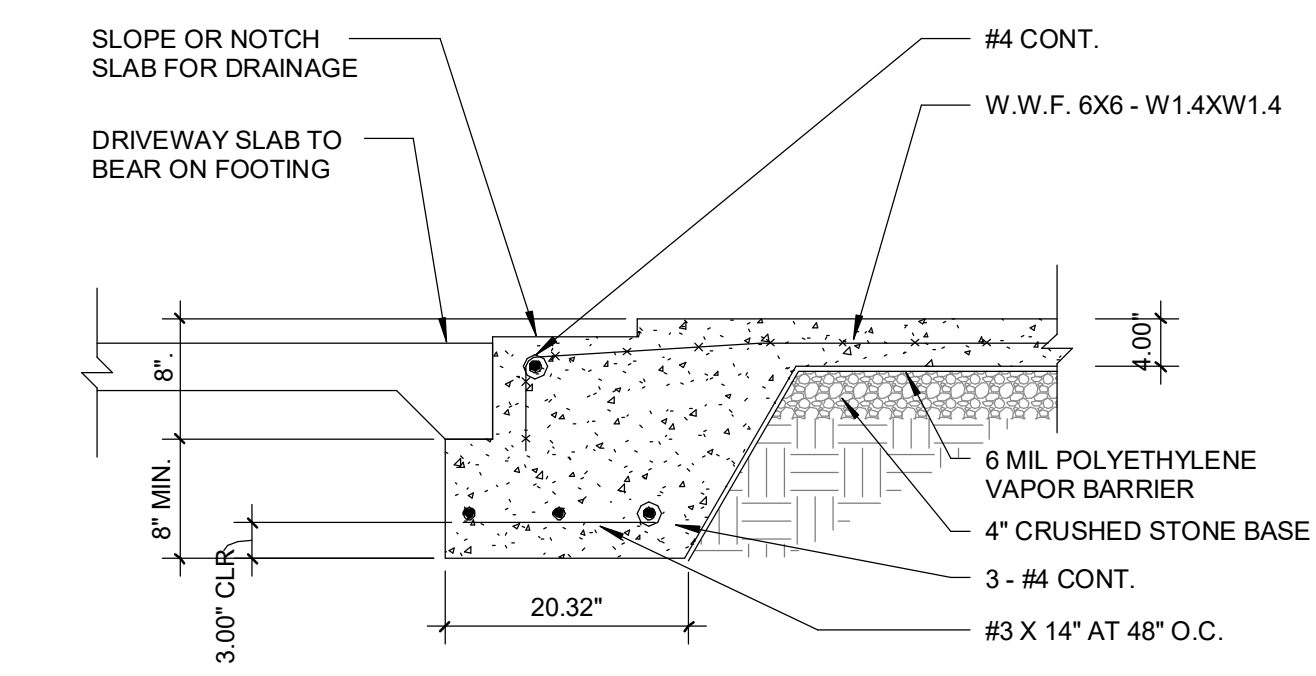
GARAGE TO HOUSE DTL.



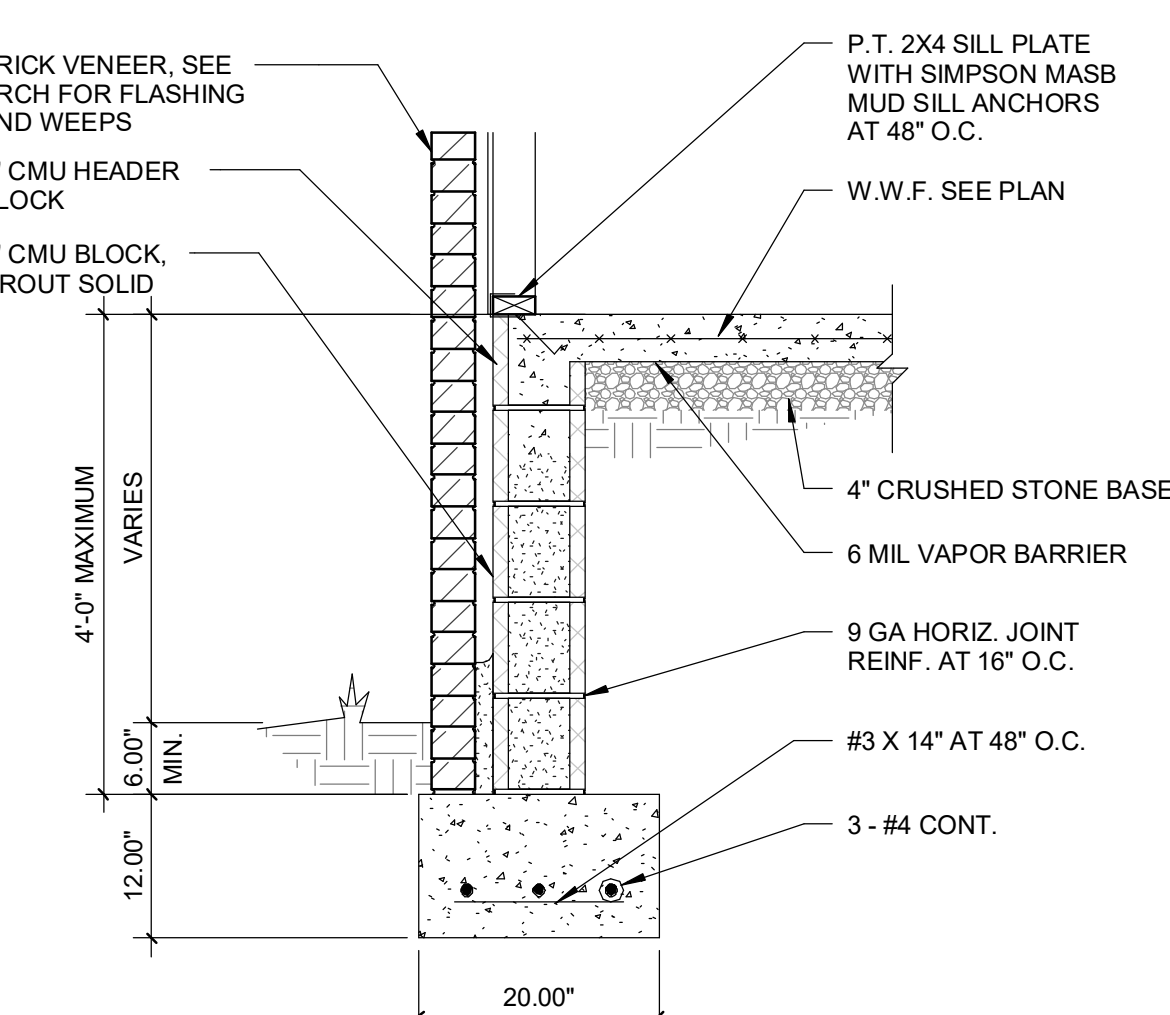
TERRACE TO HOUSE DTL.



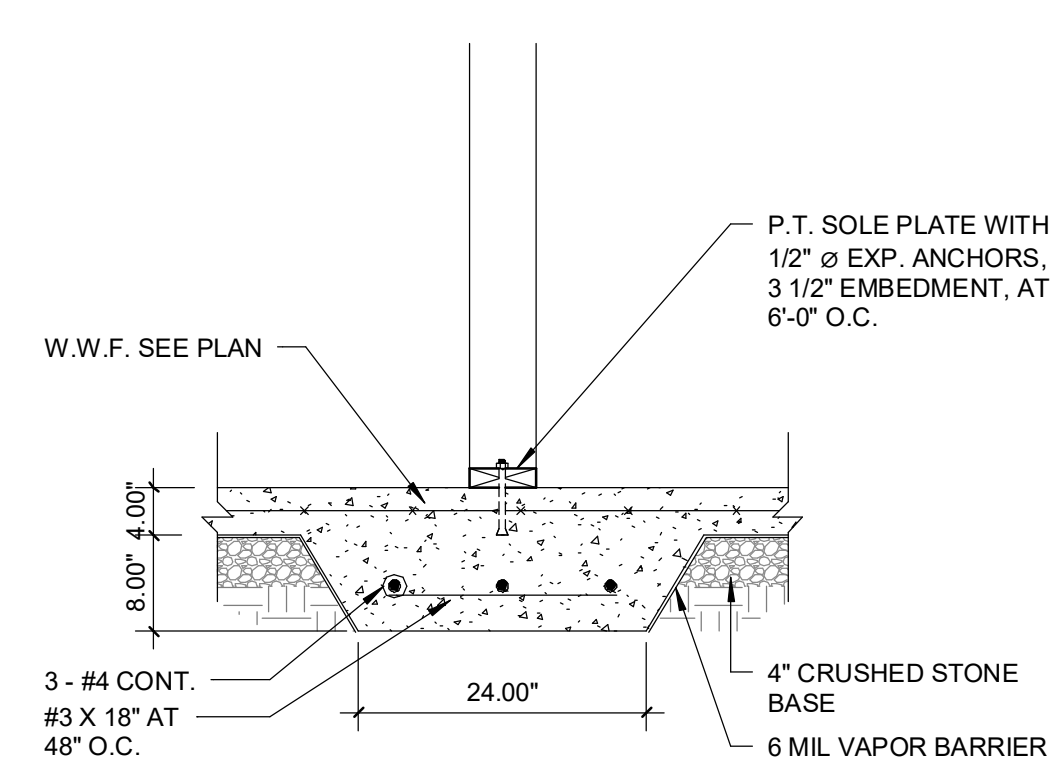
EXT. GARAGE WALL DTL.



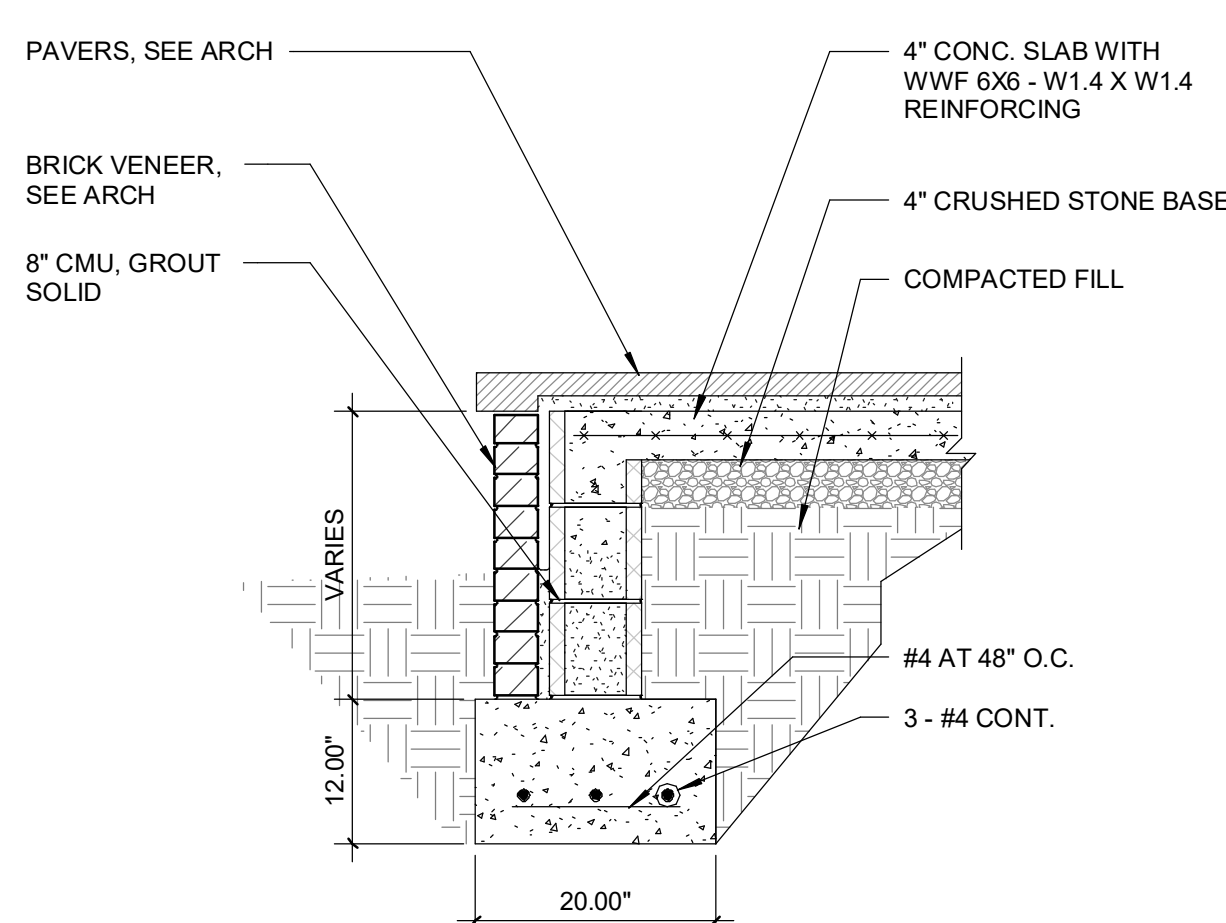
EXT. GARAGE AT DOOR DTL.



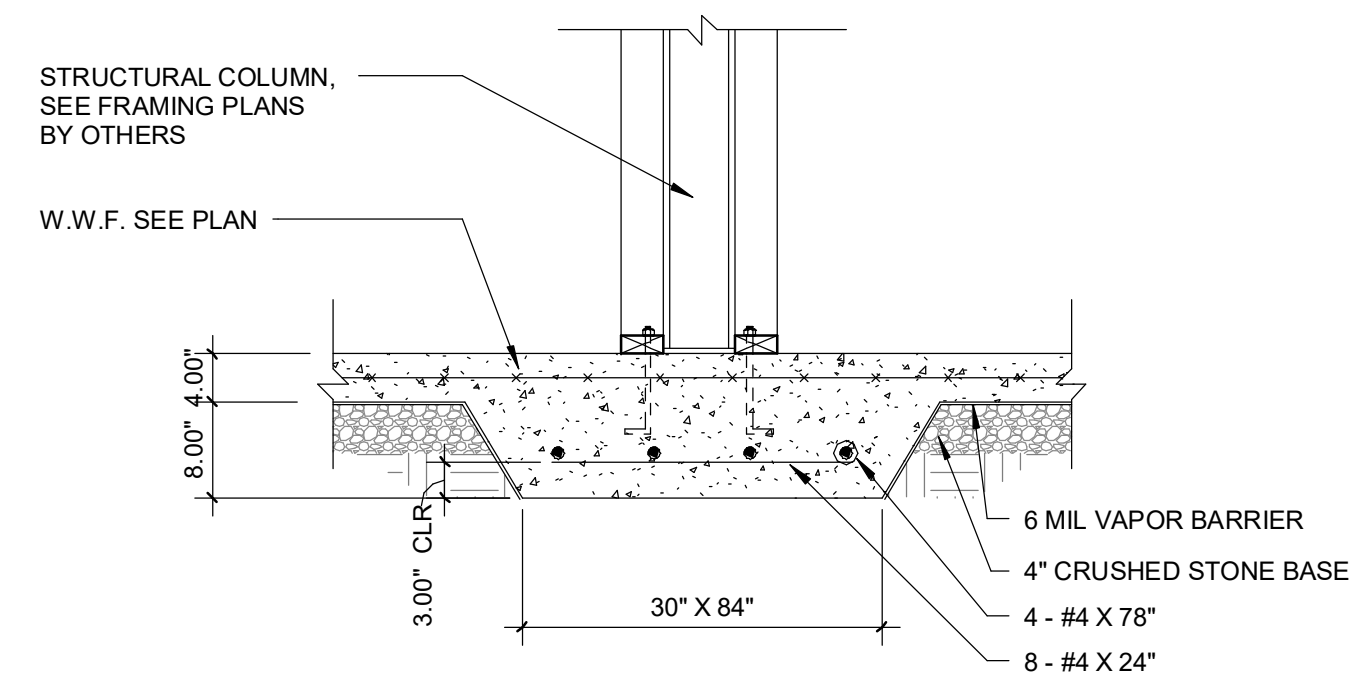
EXTERIOR WALL @ HOUSE



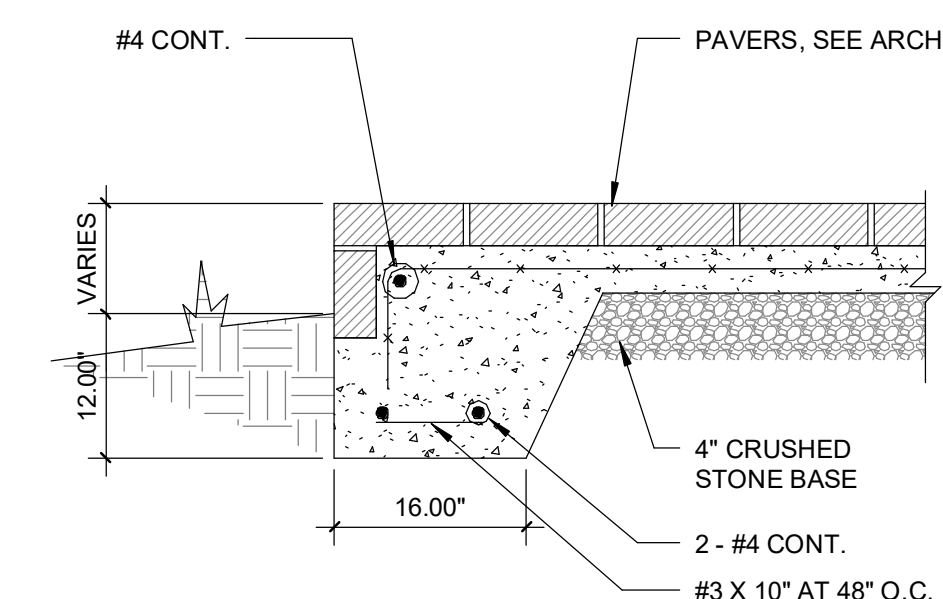
INT. BEARING WALL



TERRACES WITH PAVERS



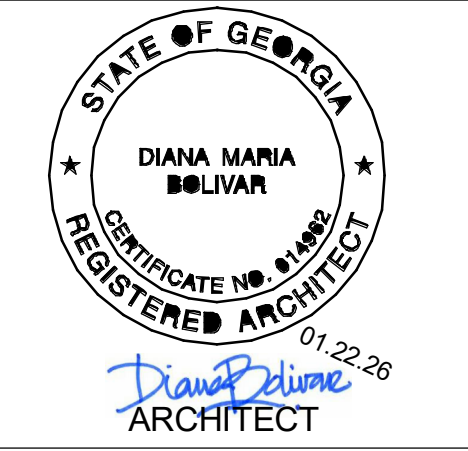
INT. STRUCT. COLUMN



CONC. SLAB W/ PAVERS



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130 PEBBLE TRAIL
ALPHARETTA, GA 30009

Revision Schedule

#	Description	Date

GENERAL /
STRUCTURAL
NOTES

Project Number 25-020
Date 012226
Drawn By Author
Checked By Checker

GN2

Scale As indicated

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 R602.5.2) AND TABLE R602.5.2)	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 R602.5.2 AND TABLE R602.5.2)	TABLE R602.5.2	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
		10D BOX (3" X 0.128"); OR 3" X 0.131" NAILS	16" 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	12" O.C. FACE NAIL
		16D COMMON (3 1/2" X 0.162")	16" O.C. FACE NAIL
10	BUILT-UP HEADER (2" TO 2" HEADER WITH 1/2" SPACER)	16D COMMON (3 1/2" X 0.162")	16" O.C. EACH EDGE FACE NAIL
		16D BOX (3 1/2" X 0.135")	12" O.C. EACH EDGE FACE NAIL
11	CONTINUOUS HEADER TO STUD	5- 8D BOX (2 1/2" X 0.113"); OR 4- 8D COMMON (2 1/2" X 0.131"); OR 4- 10D BOX (3" X 0.128")	TOE NAIL
		16D COMMON (3 1/2" X 0.162")	16" O.C. FACE NAIL
12	TOP PLATE TO TOP PLATE	10D BOX (3" X 0.128"); OR 3" X 0.131" NAILS	12" O.C. FACE NAIL
		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 SPICE 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
		16D BOX (3 1/2" X 0.135"); OR 3" X 0.131" NAILS	12" O.C. FACE NAIL
15	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANEL)	3- 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
		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
16	TOP OR BOTTOM PLATE TO STUD	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
		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" CROWN, 16 GA, 1 3/4" LONG	FACE NAIL
		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
		4- 8D BOX NAILS (2 1/2" X 0.113")	4" O.C. TOE NAIL
22	RIM JOIST, BAND JOIST OR BLOCKING TO SILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	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	6" O.C. TOE NAIL
		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
		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
		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,F} (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"	6D COMMON (2" X 0.113") NAIL (SUBFLOOR, WALL) 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	1/2" - 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 ^H	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 ^H	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	6D 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
- 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.
 - STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 7/16 INCH ON DIAMETER CROWN WIDTH.
 - NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.
 - FOUR-FOOT BY 8-FOOT BY 9-FOOT PANELS SHALL BE APPLIED VERTICALLY.
 - SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(2).
 - 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.
 - GYPSUM SHEATHING SHALL CONFORM TO ASTM C1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C208.
 - 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.
 - 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.
 - RSRS-01 IS A ROOF SHEATHING RING SHANK NAIL MEETING THE SPECIFICATION IN ASTM F1667.



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130 PEBBLE TRAIL
ALPHARETTA, GA 30009

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