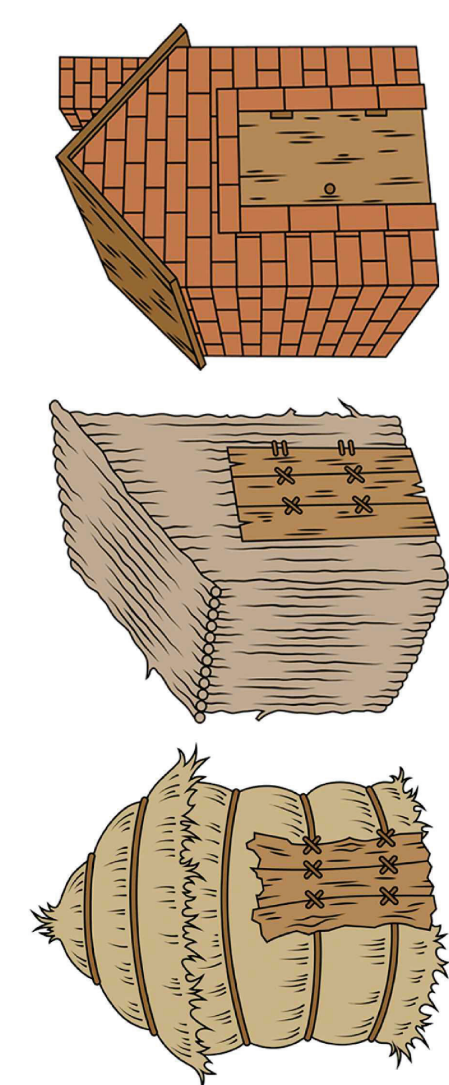




FOUNDATION LEGEND	
FOOTING OR FOUNDATION	[Symbol]
15' CONC. FOUNDATION WALL	[Symbol]
12' CONC. FOUNDATION WALL	[Symbol]
STEM WALL	[Symbol]
BASEMENT FRAMED WALL ABOVE	[Symbol]
COLUMN OR STUD PACK ABOVE	[Symbol]
VENEER ABOVE	[Symbol]
MASONRY CHIMNEY/FIREPLACE BY OTHERS	[Symbol]
BOTTOM OF FOOTING AT LOWER ELEVATION THAN OTHER 12" THICK FOOTINGS	[Symbol]

FOOTING SCHEDULE	
F-3.5	3'-6"x3'-6"x12" DEEP FOOTING w/ #4 BARS @ 9" O.C. E.W.

BASE PLATE SCHEDULE	
BP-1	6"x15"x2" BASE PLATE w/ (2) 1/2" THREADED RODS THROUGH BOTTOM FLANGE OF STEEL BEAM
BP-2	4"x8"x2" BASE PLATE w/ (2) 1/2" THREADED RODS THROUGH BOTTOM FLANGE OF STEEL BEAM
BP-3	10"x10"x 1/2" BASE PLATE w/ (4) 1/2" F1554 ANCHOR RODS



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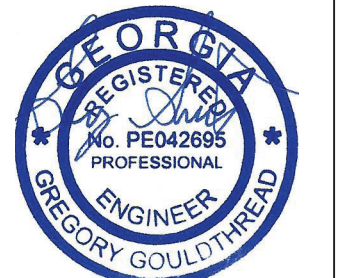
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**MULBERRY SPRINGS WINERY**  
4527 JM TURK ROAD  
FLOWERY BRANCH, GA 30188

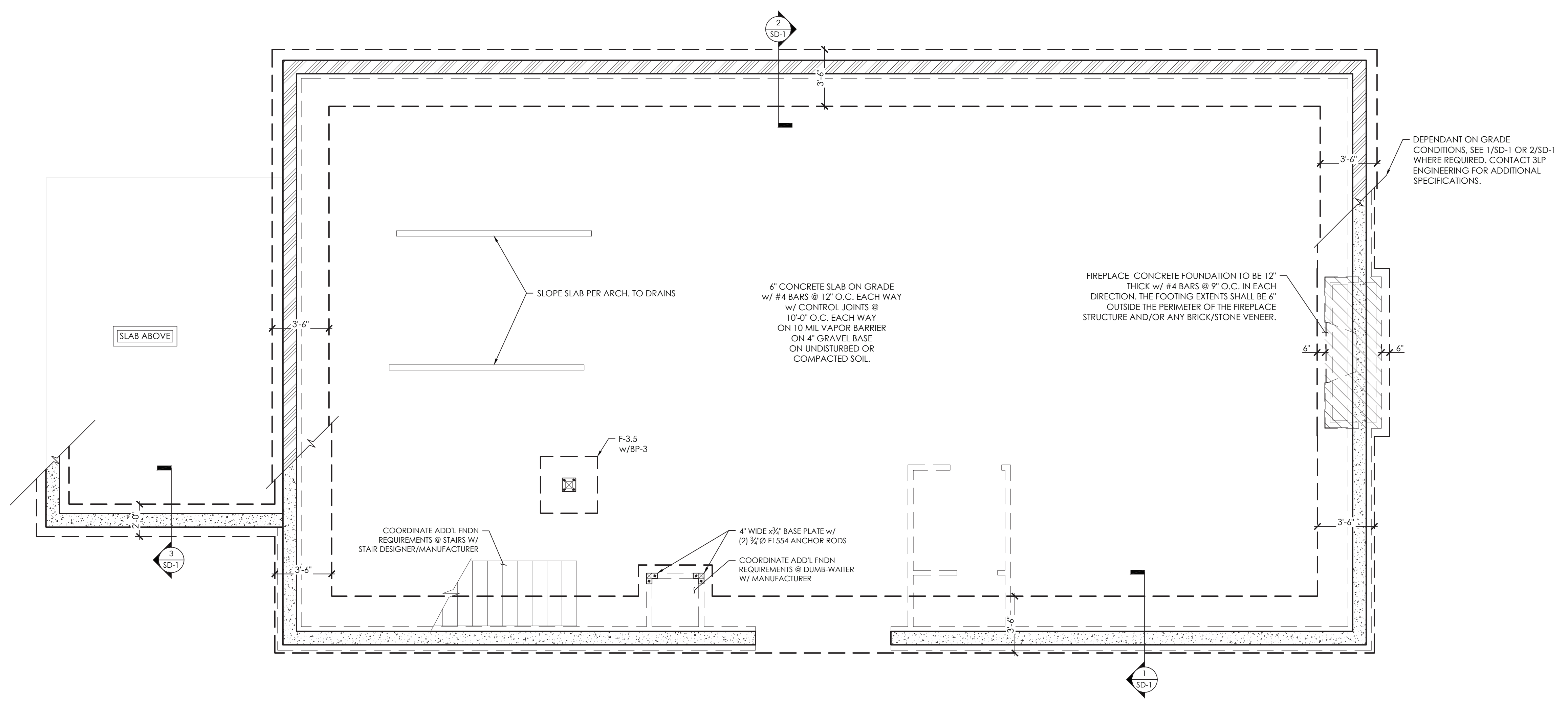
SUBMITTALS	3LP #: 22367	SCALE: 1/4" = 1'-0"	ENGINEER: C/JG	REVIEWER: MSA	DRAFTER: C/JG
	STRUCTURAL PLANS ISSUED	11/14/2022	STRUCTURAL PLANS ISSUED	6/28/2023	

**FOUNDATION PLAN**

RELEASED FOR CONSTRUCTION



S-1



- FOUNDATION NOTES:**
- FOUNDATION DESIGNED BASED ON ASSUMED 2000 PSF ALLOWABLE SOIL BEARING CAPACITY.
  - ALL FOUNDATION WALLS TO BE CONTINUOUS FROM FOOTING TO FLOOR SYSTEM (UNLESS NOTED OTHERWISE).
  - CONTRACTOR TO PROVIDE TEMPORARY SHORING TO BRACE FOUNDATION WALLS WHILE BACK FILLING.
  - SOLE / SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS @ A MAXIMUM OF 6'-0" O.C. MINIMUM (2) BOLTS PER PLATE SECTION AND (1) BOLT WITHIN 12" FROM END OF PLATE SECTION. MINIMUM 7" EMBEDMENT INTO MASONRY OR CONCRETE.
  - EXTERIOR GRADES ARE TO BE A MIN. OF 6" BELOW FINISH FLOOR AND PROVIDE A 6% SLOPE OF GRADE AWAY FROM BUILDING EXTERIOR.
  - SEE SHEET S-0 FOR ADDITIONAL NOTES.

**1 FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

FLOOR DESIGN LOADS	
LIVE LOAD	100 PSF
DEAD LOAD	10 PSF

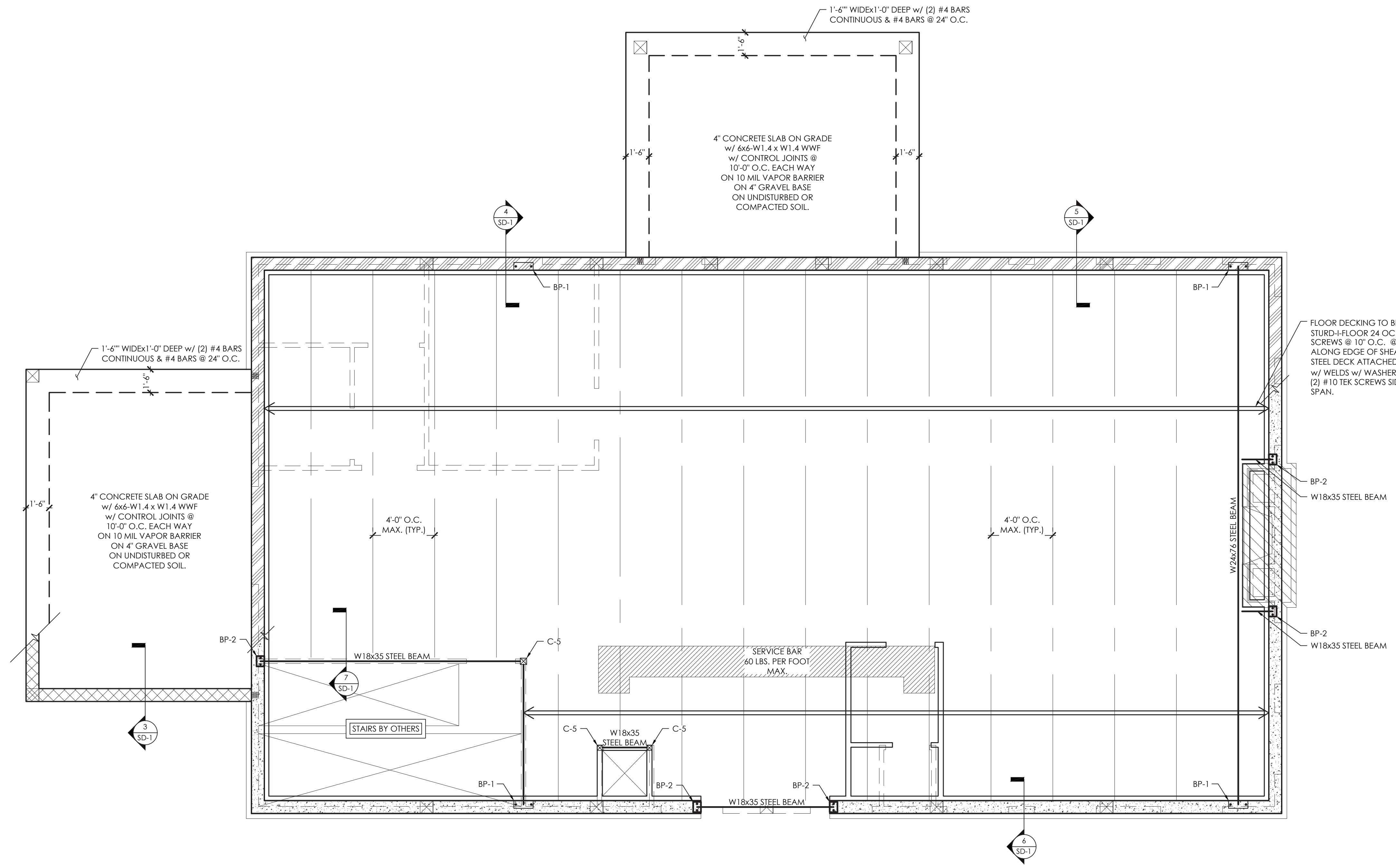
1ST LEVEL FRAMING LEGEND	
15" CONC. FOUNDATION WALL	
12" CONC. FOUNDATION WALL	
STEM WALL	
BASEMENT FRAMED WALL	
1ST LEVEL WALLS ABOVE	
HEADERS OR BEAMS	
BAR JOISTS	
COLUMN OR STUD PACK ABOVE	
FOOTING OR FOUNDATION	
VENEER BELOW	
VENEER ABOVE	
MASONRY CHIMNEY/FIREPLACE BY OTHERS	
DIRECTION OF STEEL DECK	

MINIMUM PACKED STUD SCHEDULE*	
(2) PLY BEAM	(2) 2x6 SPF #2
(3) PLY BEAM	(3) 2x6 SPF #2
(4) PLY BEAM	(4) 2x6 SPF #2

COLUMN SCHEDULE*	
C-1	10x10 SYP #2 P.T. COLUMN
C-2	(2) 2x6 SPF #2 STUD PACK
C-3	(3) 2x6 SPF #2 STUD PACK
C-4	HSS 4"x4"x1/2" STEEL COLUMN
C-5	HSS 5"x5"x1/2" STEEL COLUMN

\* # OF STUDS IN STUD PACKS INDICATE REQUIRED MIN. # OF JACK STUDS (I.N.O.)

BASE PLATE SCHEDULE	
BP-1	6"x15"x1/2" BASE PLATE W/ (2) 1/2" THREADED RODS THROUGH BOTTOM FLANGE OF STEEL BEAM
BP-2	4"x8"x1/2" BASE PLATE W/ (2) 1/2" THREADED RODS THROUGH BOTTOM FLANGE OF STEEL BEAM
BP-3	10"x10"x1/2" BASE PLATE W/ (4) 3/8" F1554 ANCHOR RODS

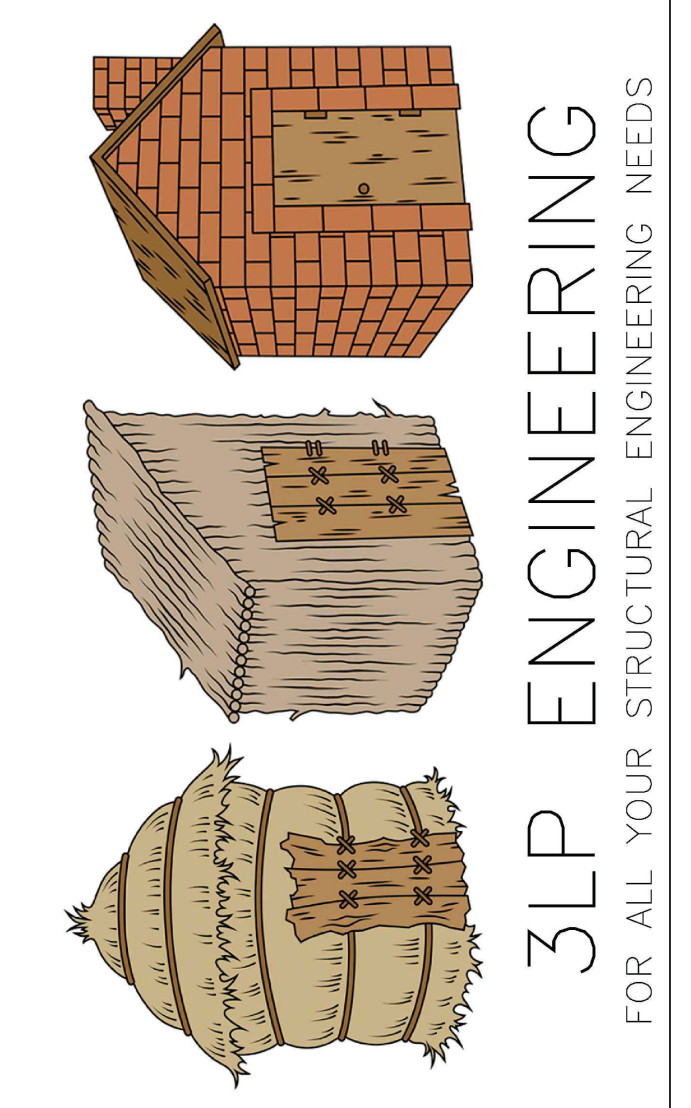


FLOOR DECKING TO BE 3/8" APA RATED STURD-I-FLOOR 24 OC ATTACHED W/ #6x1 1/2" BULGE SCREWS @ 10" O.C. @ EACH FLUTE IN FIELD & 4" O.C. ALONG EDGE OF SHEATHING TO FLUTE ON 1.5C22 STEEL DECK ATTACHED TO STEEL BAR JOISTS & BEAMS W/ WELDS W/ WASHERS ON 3/4" PATTERN @ SUPPORTS & (2) #10 TEK SCREWS SIDELAP FASTENERS FOR EACH SPAN.

STRUCTURAL CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER OR EXPOSED TO EXTERIOR TO BE PROTECTED FROM WEATHERING ELEMENTS. THEREFORE, Z-MAX COATING, HOT DIPPED GALVANIZED, STAINLESS STEEL MATERIAL OR SIMILAR IS REQUIRED.

STRUCTURAL FRAMING MEMBERS EXPOSED TO EXTERIOR TO BE PROTECTED FROM WEATHERING ELEMENTS.

- 1ST FLOOR FRAMING NOTES:
- STEEL BAR JOISTS TO BE 24LH08 (220/200) @ 4'-0" O.C. MAX W/ BRIDGING PER STEEL JOIST INSTITUTE (SJI) RECOMMENDATIONS (UNLESS NOTED OTHERWISE).
  - FLOOR DECKING TO BE 3/8" APA RATED STURD-I-FLOOR 24 OC ATTACHED W/ #6x1 1/2" BULGE SCREWS @ 10" O.C. @ EACH FLUTE IN FIELD & 4" O.C. ALONG EDGE OF SHEATHING TO FLUTE.
  - WHERE JOISTS ARE PARALLEL TO EXTERIOR WALLS, PROVIDE FULL DEPTH BRIDGING @ 24" O.C. BETWEEN FIRST (2) BAYS TO BRACE WALL.
  - BRIDGING REQUIRED AT ALL SUPPORT, CONCENTRATED LOAD LOCATIONS, AND BELOW WALLS.
  - THE ENDS OF ALL BEAMS AND JOISTS ARE TO BE RESTRAINED TO PREVENT ROTATION. ALL FLUSH BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE SIDES. ALL DROPPED BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE TOP FACE.
  - IN FLOOR CAVITIES, PROVIDE BLOCKING UNDER ALL CONCENTRATED LOADS AND AT ALL BEAMS & HEADERS.
  - WHERE REQUIRED, PROVIDE ADEQUATE AND PROPER FLASHING AGAINST WATER INTRUSION (TYP.).



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**MULBERRY SPRINGS WINERY**  
4527 JM TURK ROAD  
FLOWERY BRANCH, GA 30188

3LP #:	22367	SCALE:	1/4" = 1'-0"	ENGINEER:	C/JG	REVIEWER:	MSA	DRAFTER:	C/JG
STRUCTURAL PLANS ISSUED	11/14/2022	STRUCTURAL PLANS ISSUED	6/28/2023						

1ST LEVEL FRAMING PLAN

RELEASED FOR CONSTRUCTION

S-2

ROOF SCISSOR TRUSS DESIGN LOAD	
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

CEILING FRAMING LEGEND	
1ST LEVEL WALLS	
LOAD BEARING WALLS FOR TRUSS ATTACHMENT	
HEADERS OR BEAMS	
VENEER BELOW	
MASONRY CHIMNEY/FIREPLACE BY OTHERS	
MAJOR CEILING LINES	
SLOPED CEILING	

MINIMUM PACKED STUD SCHEDULE*	
(2) PLY BEAM	(2) 2x6 SPF #2
(3) PLY BEAM	(3) 2x6 SPF #2
(4) PLY BEAM	(4) 2x6 SPF #2

COLUMN SCHEDULE*	
C-1	10x10 SYP #2 P.T. COLUMN
C-2	(2) 2x6 SPF #2 STUD PACK
C-3	(3) 2x6 SPF #2 STUD PACK
C-4	HSS 4"x4"x1/2" STEEL COLUMN
C-5	HSS 5"x5"x1/2" STEEL COLUMN

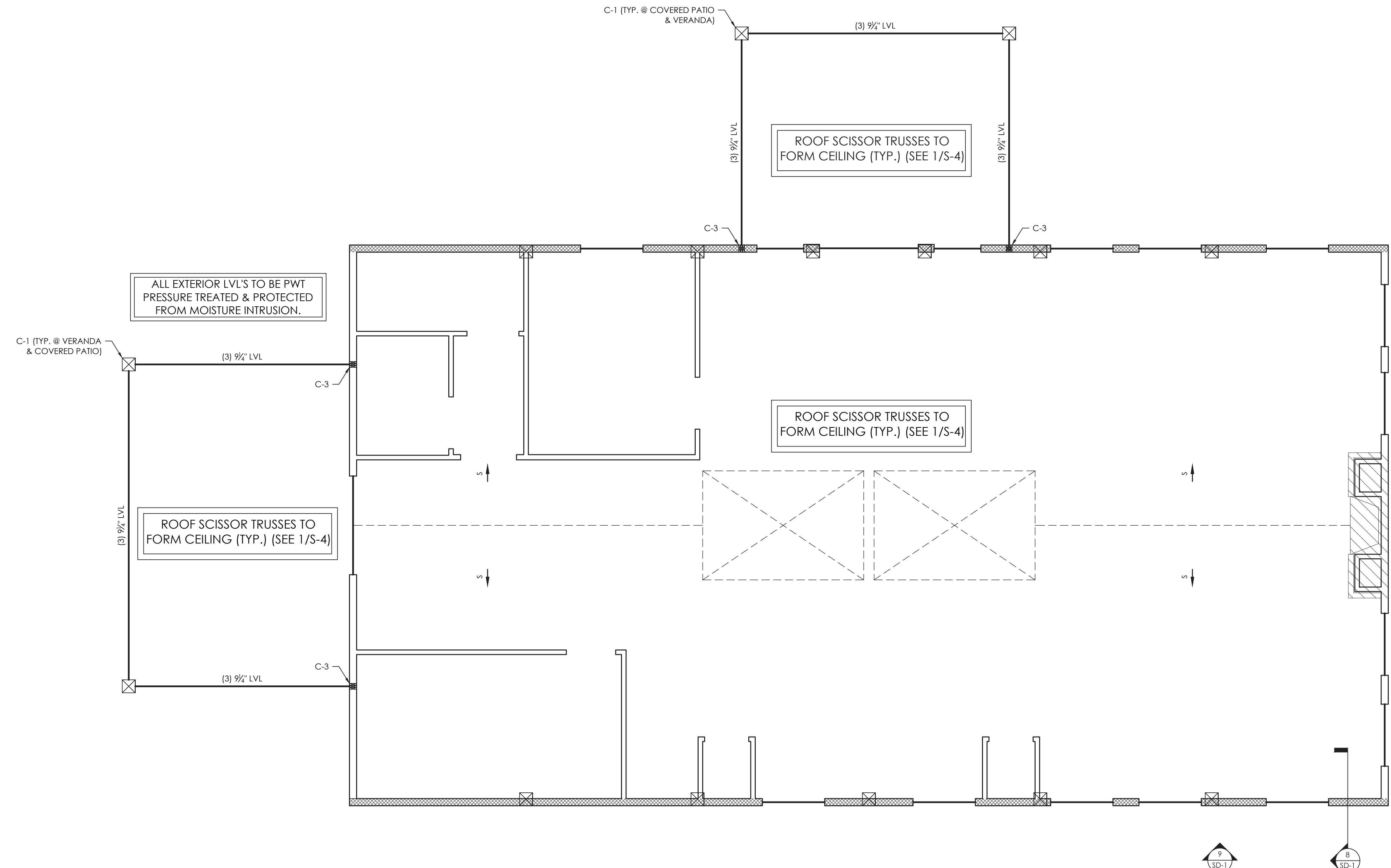
\* FOR USE WHERE MEMBER SUPPORTS ARE NOT OTHERWISE CALLED OUT ON PLAN

\* # OF STUDS IN STUD PACKS INDICATE REQUIRED MIN. # OF JACK STUDS (U.N.O.)

**NOTE TO ROOF SCISSOR TRUSSES MANUFACTURER:**

- CONTACT 3LP ENGINEERING FOR ADD'L LOAD DIAGRAMS OF TRUSSES, GIRDER TRUSSES, & SPECIAL TRUSSES REQ'D. ON A CASE BY CASE BASIS. DIAGRAMS TO BE CREATED @ OWNER EXPENSE W/ PRIOR OWNER APPROVAL.
- SHOP DRAWINGS ARE TO BE PROVIDED FOR 3LP ENGINEERING TO REVIEW PRIOR TO CONSTRUCTION @ OWNERS EXPENSE.
- TRUSS MANUFACTURER IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATION OF ALL HANGERS ASSOCIATED WITH TRUSS SUPPORT.

ALL TRUSSES BY OTHERS. TRUSS DESIGNER/MANUFACTURER TO SUBMIT FINAL LAYOUT AND/OR SHOP DRAWINGS TO 3LP ENGINEERING FOR REVIEW PRIOR TO CONSTRUCTION. COORDINATE W/ ARCH. (TYP.)



ALL EXTERIOR LVL'S TO BE PWT PRESSURE TREATED & PROTECTED FROM MOISTURE INTRUSION.

ROOF SCISSOR TRUSSES TO FORM CEILING (TYP.) (SEE 1/S-4)

ROOF SCISSOR TRUSSES TO FORM CEILING (TYP.) (SEE 1/S-4)

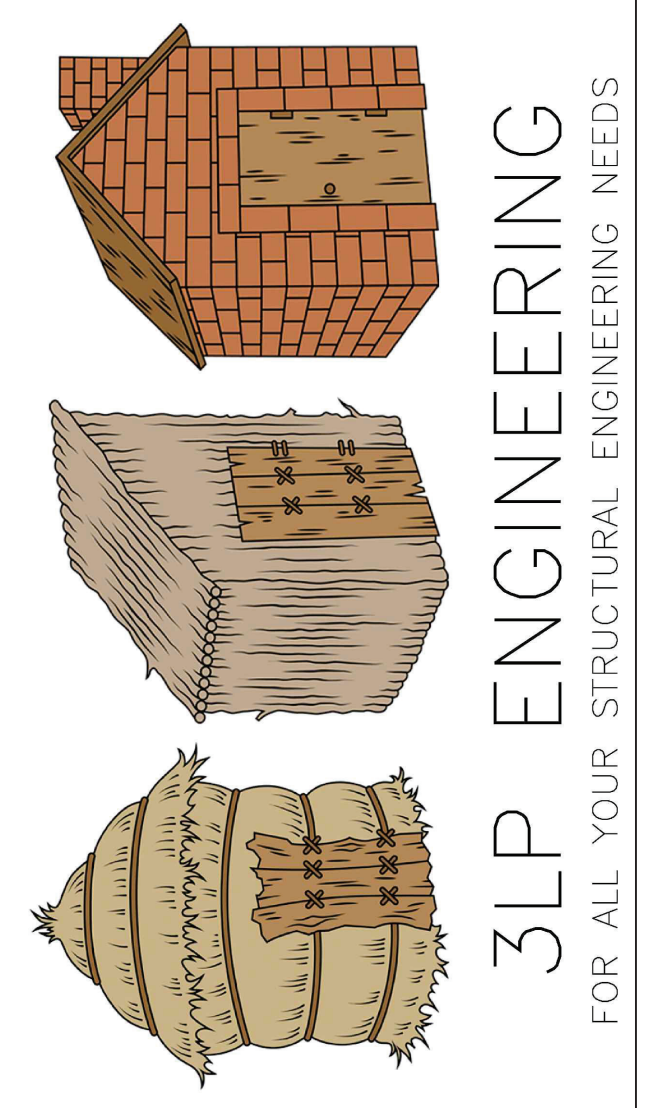
ROOF SCISSOR TRUSSES TO FORM CEILING (TYP.) (SEE 1/S-4)

STRUCTURAL CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER OR EXPOSED TO EXTERIOR TO BE PROTECTED FROM WEATHERING ELEMENTS. THEREFORE, Z-MAX COATING, HOT DIPPED GALVANIZED, STAINLESS STEEL MATERIAL OR SIMILAR IS REQUIRED.

STRUCTURAL FRAMING MEMBERS EXPOSED TO EXTERIOR TO BE PROTECTED FROM WEATHERING ELEMENTS.

- CEILING FRAMING NOTES:**
- ALL CEILINGS TO BE FORMED BY ROOF SCISSOR TRUSSES. SEE 1/S-4.
  - THE ENDS OF ALL BEAMS AND JOISTS ARE TO BE RESTRAINED TO PREVENT ROTATION. ALL FLUSH BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE SIDES. ALL DROPPED BEAMS ARE TO BE CONTINUOUSLY BRACED ALONG THE TOP FACE.
  - USE APPROVED SIMPSON HANGERS W/ MAX. ATTACHMENT ON ALL WOOD BEAM / JOIST CONNECTIONS.
  - IN CEILING CAVITIES, PROVIDE BLOCKING UNDER ALL CONCENTRATED LOADS AND AT ALL BEAMS & HEADERS.
  - WHERE REQUIRED, PROVIDE ADEQUATE AND PROPER FLASHING AGAINST WATER INTRUSION (TYP.).
  - ALL LVL'S REFERENCED ON PLAN ARE TO BE 1 1/2" PER PLY AND ARE TO HAVE MINIMUM 2.0E MODULUS OF ELASTICITY (UNLESS NOTED OTHERWISE) ALL SIDE LOADED LVL'S ARE TO HAVE MAXIMUM RECOMMENDED CONNECTION BETWEEN PLIES PER LVL MANUFACTURER SPECIFIER'S GUIDE.

- 1ST LEVEL WALL (BELOW CEILING) FRAMING NOTES:**
- LOAD BEARING WALLS TO BE 2x6 SPF #2 STUDS @ 14" O.C. W/ 10'-0" MAXIMUM STUD HEIGHT (UNLESS NOTED OTHERWISE).
  - WINDOW AND DOOR HEADERS IN LOAD BEARING WALLS TO BE (3) 2x10 SYP #2 W/ (1) JACK STUDS & (1) KING STUDS ON EACH END (UNLESS NOTED OTHERWISE).
  - EXTERIOR WINDOW AND DOOR HEADERS NOT BRACED AGAINST LATERAL LOADING BY ADJACENT FRAMING ARE TO HAVE (1) 2x6 SPF #2 NAILED TO TOP AND BOTTOM OF HEADER ATTACHED TO ADJACENT JACK & DOUBLE KING STUDS USING SIMPSON A34 FRAMING ANGLES. (APPLIES TO HEADER/BEAM LENGTHS ≥ 4'-0").
  - ALL STUDS TO BE CONTINUOUS BETWEEN DIAPHRAGMS. STUDS IN GABLE-END WALLS NOT BRACED BY A CEILING SYSTEM MUST BE CONTINUOUS FROM FLOOR TO ROOF.
  - ALL LOAD BEARING WALLS TO BE BLOCKED AT 5'-0" O.C. MAX.
  - EXTERIOR WALLS TO BE FULLY SHEATHED W/ 1/2" APA RATED SHEATHING ATTACHED W/ 10d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. AT INTERMEDIATE MEMBERS. PROVIDE BLOCKING BETWEEN STUDS AT PANEL EDGES.
  - ALL COLUMNS TO BE BRACED AT TOP AND BOTTOM. ALL CONTINUOUS COLUMNS TO BE BRACED AT EACH FLOOR LEVEL.
  - USE APPROVED SIMPSON POST BASE & POST CAPS ON ALL WOOD COLUMNS.



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**MULBERRY SPRINGS WINERY**  
4527 JM TURK ROAD  
FLOWERY BRANCH, GA 30188

3LP #:	22367	SCALE:	1/4" = 1'-0"	ENGINEER:	C/JG	REVIEWER:	MSA	DRAFTER:	C/JG
STRUCTURAL PLANS ISSUED	11/14/2022	STRUCTURAL PLANS ISSUED	6/28/2023						

CEILING LEVEL FRAMING PLAN

RELEASED FOR CONSTRUCTION

S-3

ROOF SCISSOR TRUSS DESIGN LOAD	
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

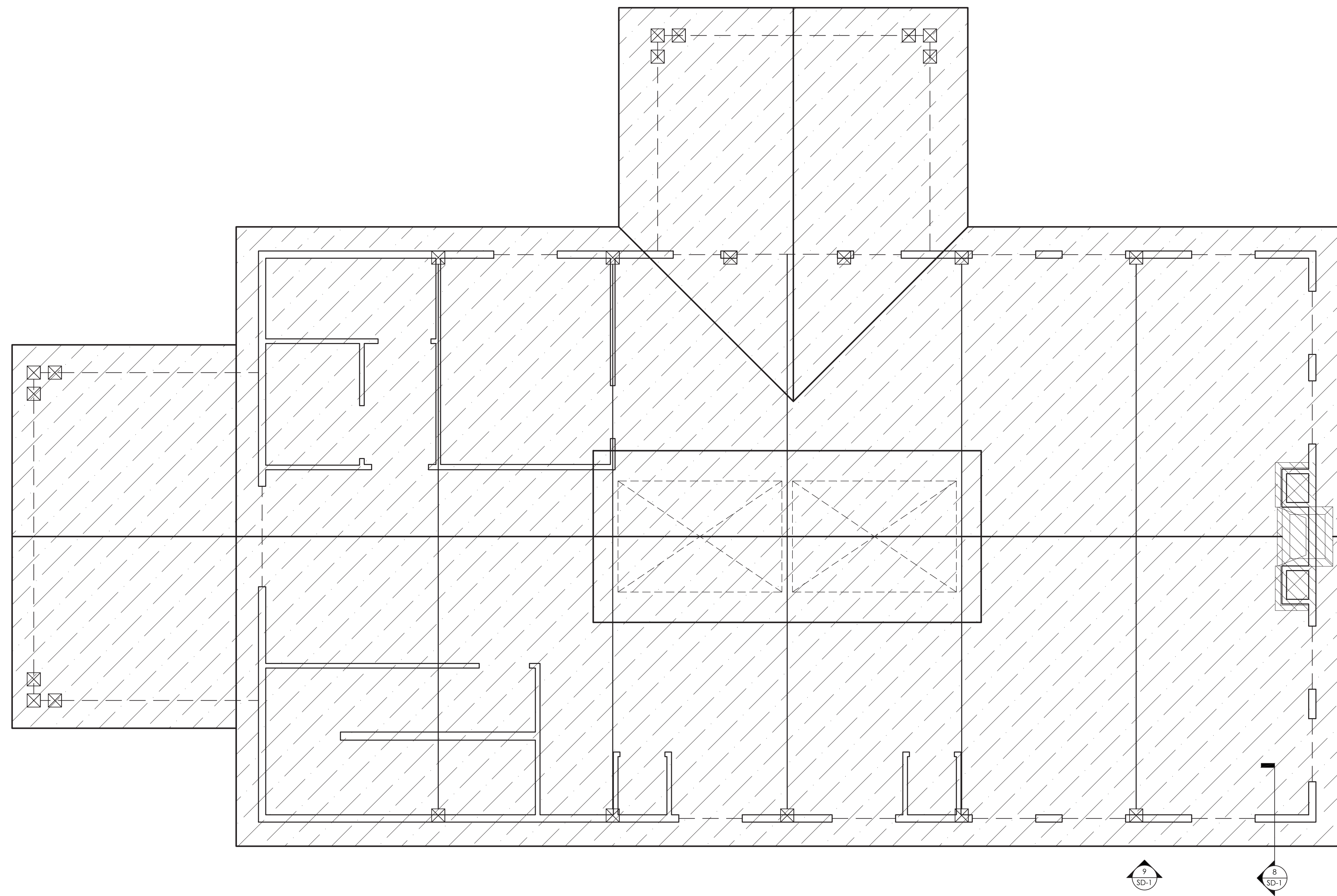
ROOF FRAMING LEGEND	
ROOF LINES	
1ST LEVEL WALLS	
HEADERS OR BEAMS BELOW	
ROOF SCISSOR TRUSSES (BY OTHERS)	
ROOF TO BE FORMED BY SCISSOR TRUSSES (BY OTHERS)	
VENEER BELOW	
MASONRY CHIMNEY/FIREPLACE BY OTHERS	

NOTE TO ROOF SCISSOR TRUSSES MANUFACTURER:

- CONTACT 3LP ENGINEERING FOR ADD'L LOAD DIAGRAMS OF TRUSSES, GIRDER TRUSSES, & SPECIAL TRUSSES REQ'D. ON A CASE BY CASE BASIS. DIAGRAMS TO BE CREATED @ OWNER EXPENSE W/ PRIOR OWNER APPROVAL.
- SHOP DRAWINGS ARE TO BE PROVIDED FOR 3LP ENGINEERING TO REVIEW PRIOR TO CONSTRUCTION @ OWNERS EXPENSE.
- TRUSS MANUFACTURER IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATION OF ALL HANGERS ASSOCIATED WITH TRUSS SUPPORT.

ALL TRUSSES BY OTHERS. TRUSS DESIGNER/MANUFACTURER TO SUBMIT FINAL LAYOUT AND/OR SHOP DRAWINGS TO 3LP ENGINEERING FOR REVIEW PRIOR TO CONSTRUCTION. COORDINATE W/ ARCH. (TYP.)

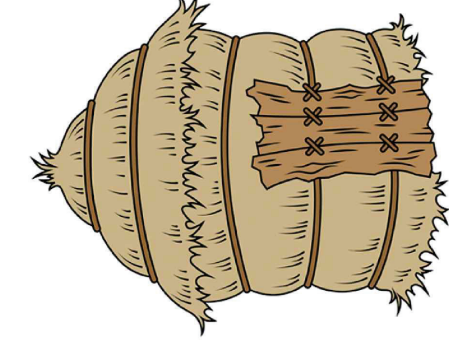
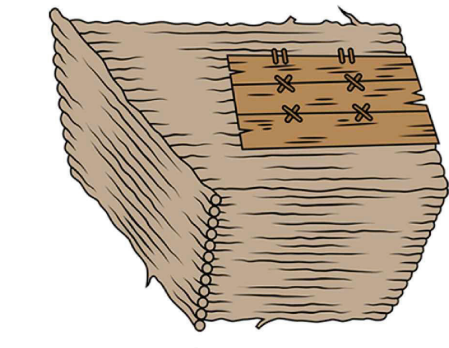
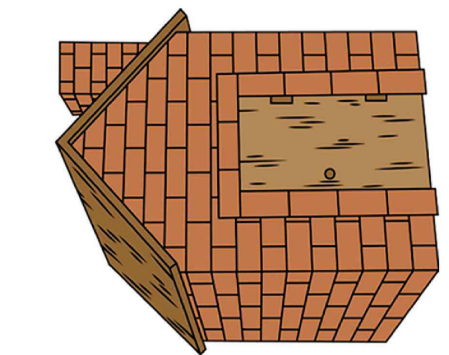
COORD. W/ MEP FOR MECHANICAL ALLOWANCES IN TRUSS PROFILE



ROOF SCISSOR TRUSSES NOTES:

- ALL ROOF SCISSOR TRUSSES BY OTHERS (COORD. DEPTH, SLOPE OF TOP CHORDS AND OPENINGS W/ ARCH. & MEP)
- ALL PRE-ENGINEERED TRUSSES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.
- TRUSS DESIGNER TO COORDINATE WITH ARCHITECT TO MEET DESIRED DEFLECTION CRITERIA.
- STUDS IN BEARING WALLS ARE TO BE PLACED DIRECTLY BELOW TRUSSES AND SHOULD BE CONTINUOUS BETWEEN DIAPHRAGMS TO FOUNDATIONS.
- ALL BOLTS, HANGERS, STRAPS, SHEATHING, ETC. REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSSES SHALL BE DESIGNED AND SPECIFIED BY TRUSS DESIGN ENGINEER.
- PRE-ENGINEERED METAL PLATE CONNECTED WOOD TRUSSES SHALL BE BRACED IN ACCORDANCE WITH BSCI 1-08 AND RELATED SUMMARY SHEETS.
- ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER OF RECORD.
- TRUSS MANUFACTURER TO PROVIDE APPROPRIATE OUT-OF-PLANE LOAD BRACING FOR ALL TRUSSES.
- ROOF DECKING TO BE 5/8" APA RATED 2 3/4" SHEATHING ATTACHED W/ 10d NAILS @ 4" O.C. AT SUPPORTED EDGES & 12" O.C. AT INTERMEDIATE MEMBERS.
- WHERE TRUSSES ARE PARALLEL TO EXTERIOR WALLS, PROVIDE FULL DEPTH BLOCKING @ 16" O.C. BETWEEN FIRST (2) BAYS TO BRACE WALL. REFER TO 2018 INTERNATIONAL BUILDING CODE (IBC) TABLE 1607.1 "MINIMUM UNIFORMLY DISTRIBUTED LOADS AND MINIMUM CONCENTRATED LOADS".
- ONLY BRACE TRUSSES ON FRAMING MEMBERS & LOAD BEARING WALLS SHOWN.
- ALL STUDS TO BE CONTINUOUS BETWEEN DIAPHRAGMS.
- ALL COLUMNS TO BE BRACED AT TOP AND BOTTOM. ALL CONTINUOUS COLUMNS TO BE BRACED AT EACH FLOOR LEVEL.
- USE APPROVED SIMPSON POST BASE & POST CAPS ON ALL WOOD COLUMNS.
- WHERE REQUIRED, PROVIDE ADEQUATE AND PROPER FLASHING AGAINST WATER INTRUSION (TYP.).

1 ROOF FRAMING PLAN  
S-4 SCALE: 1/4" = 1'-0"



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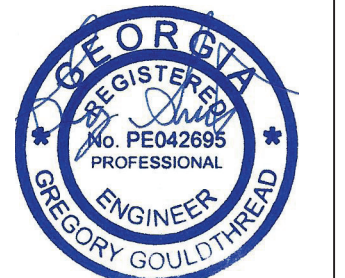
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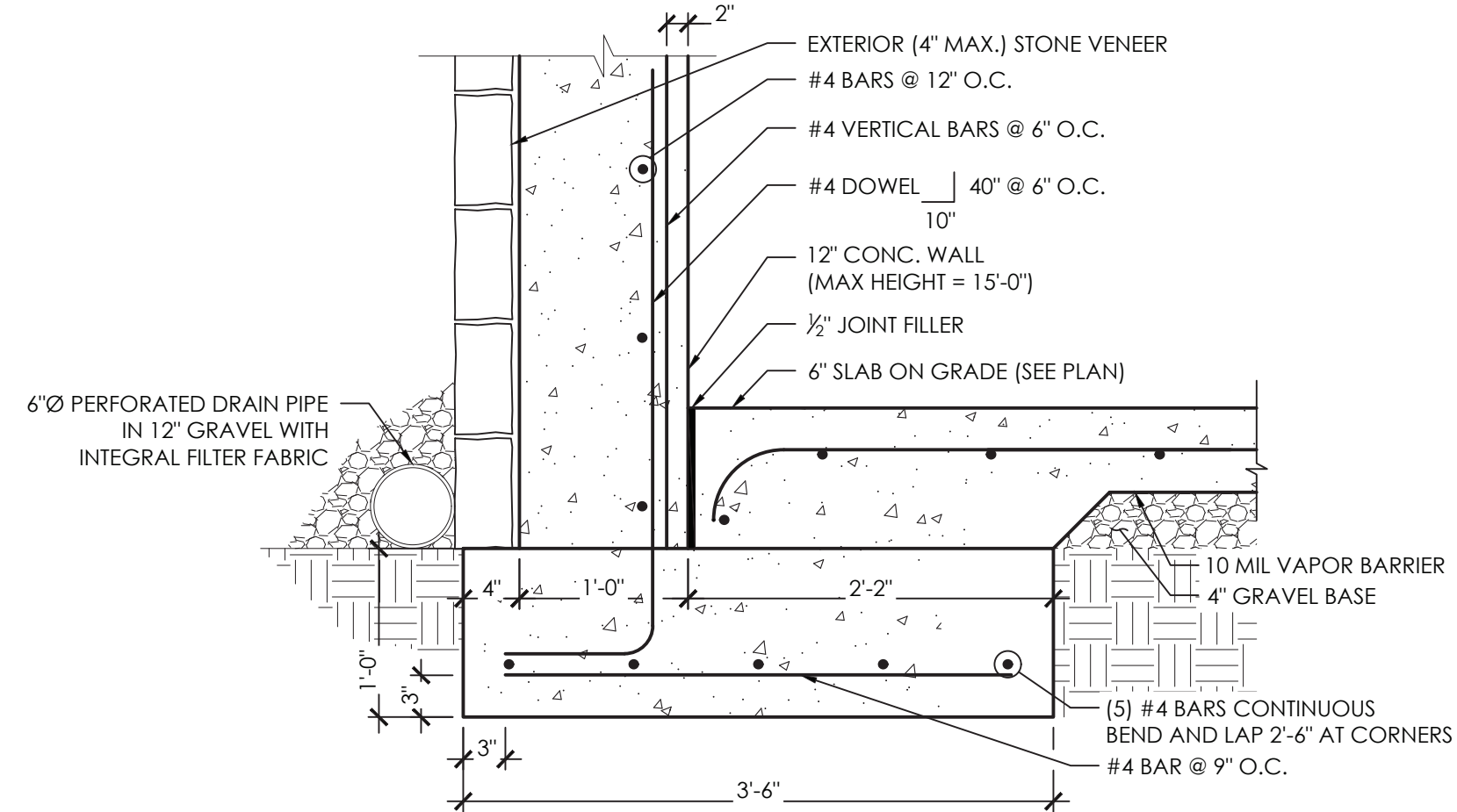
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STRUCTURAL PLANS ISSUED	11/14/2022	STRUCTURAL PLANS ISSUED	6/28/2023						

ROOF FRAMING PLAN

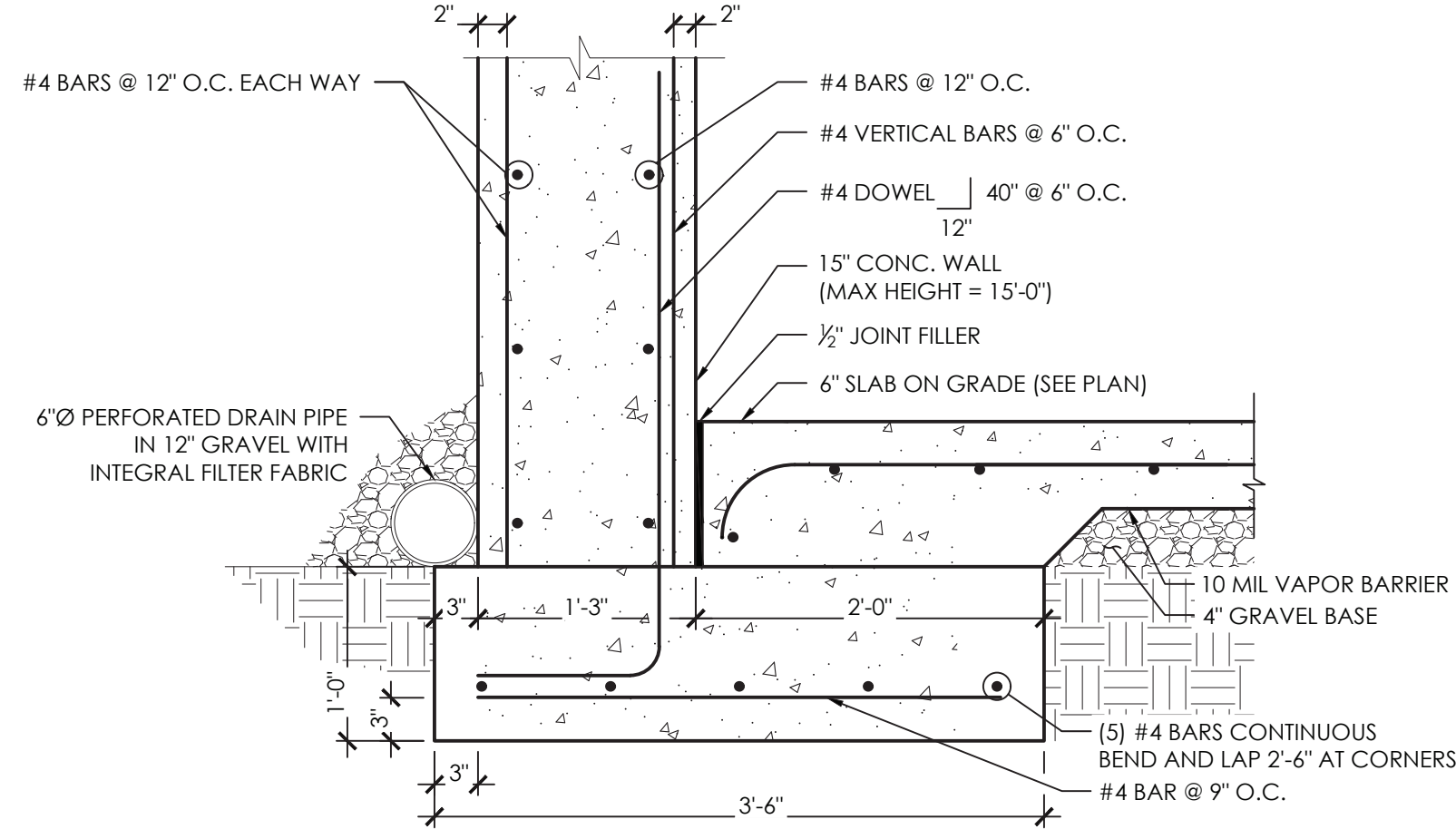
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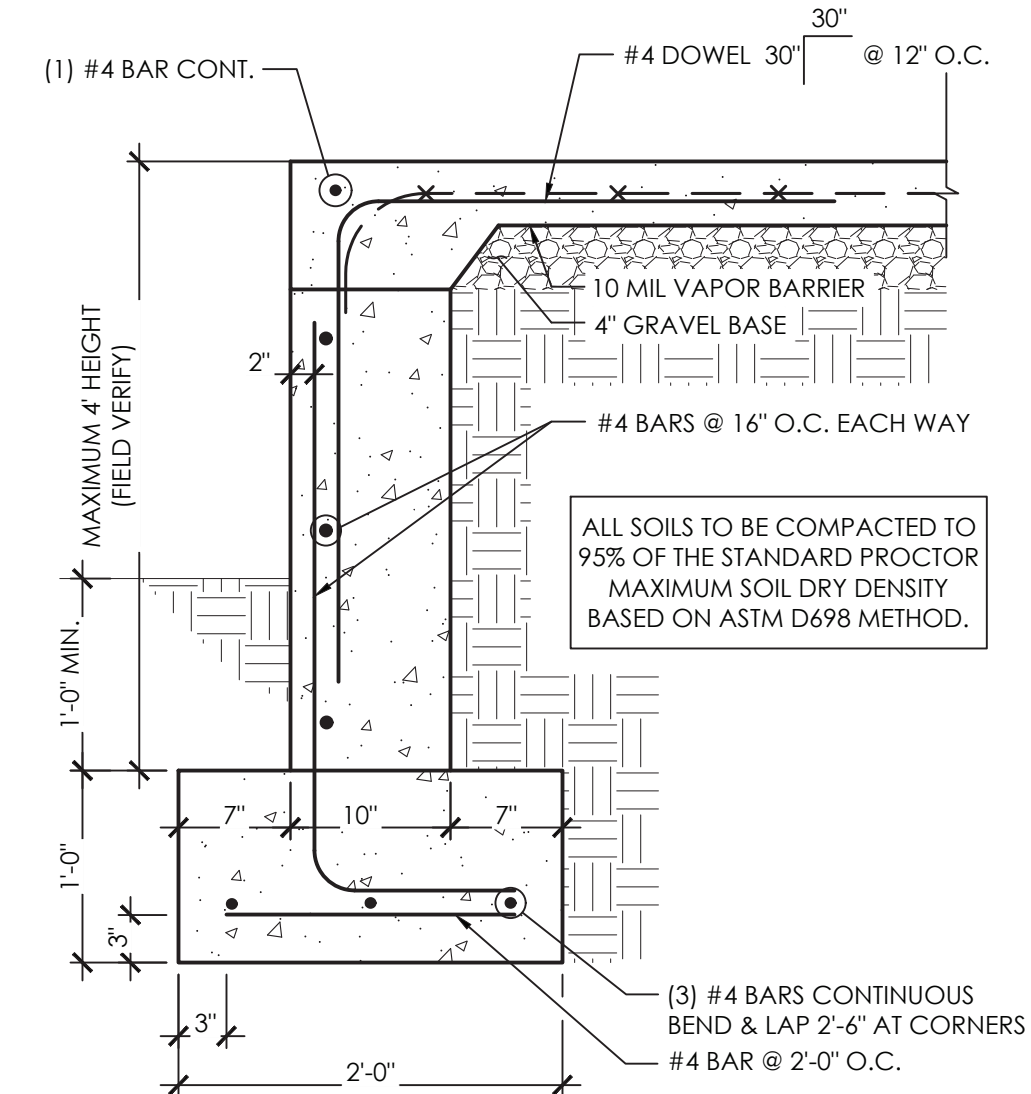
S-4



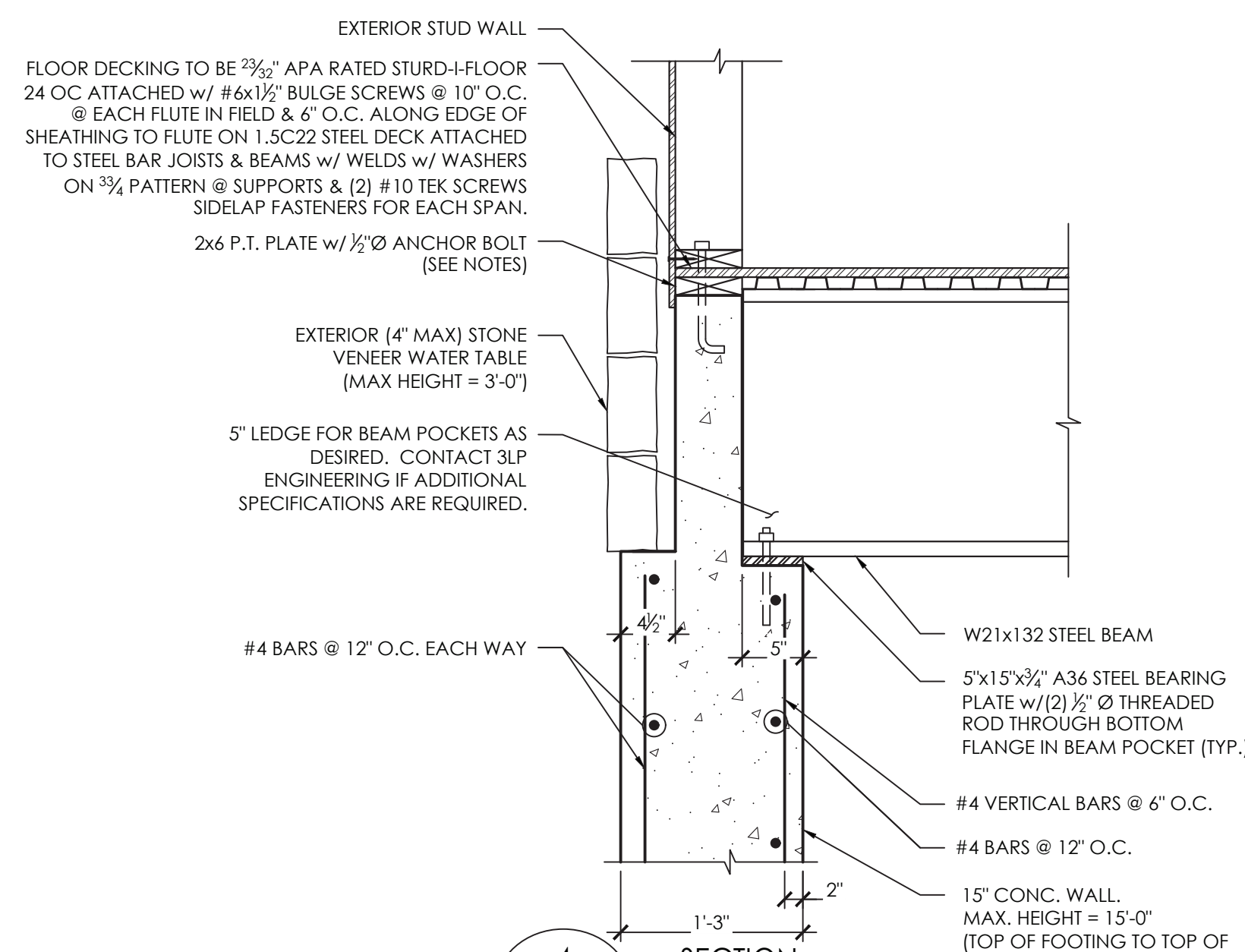
1 SECTION  
SD-1 1" = 1'-0"



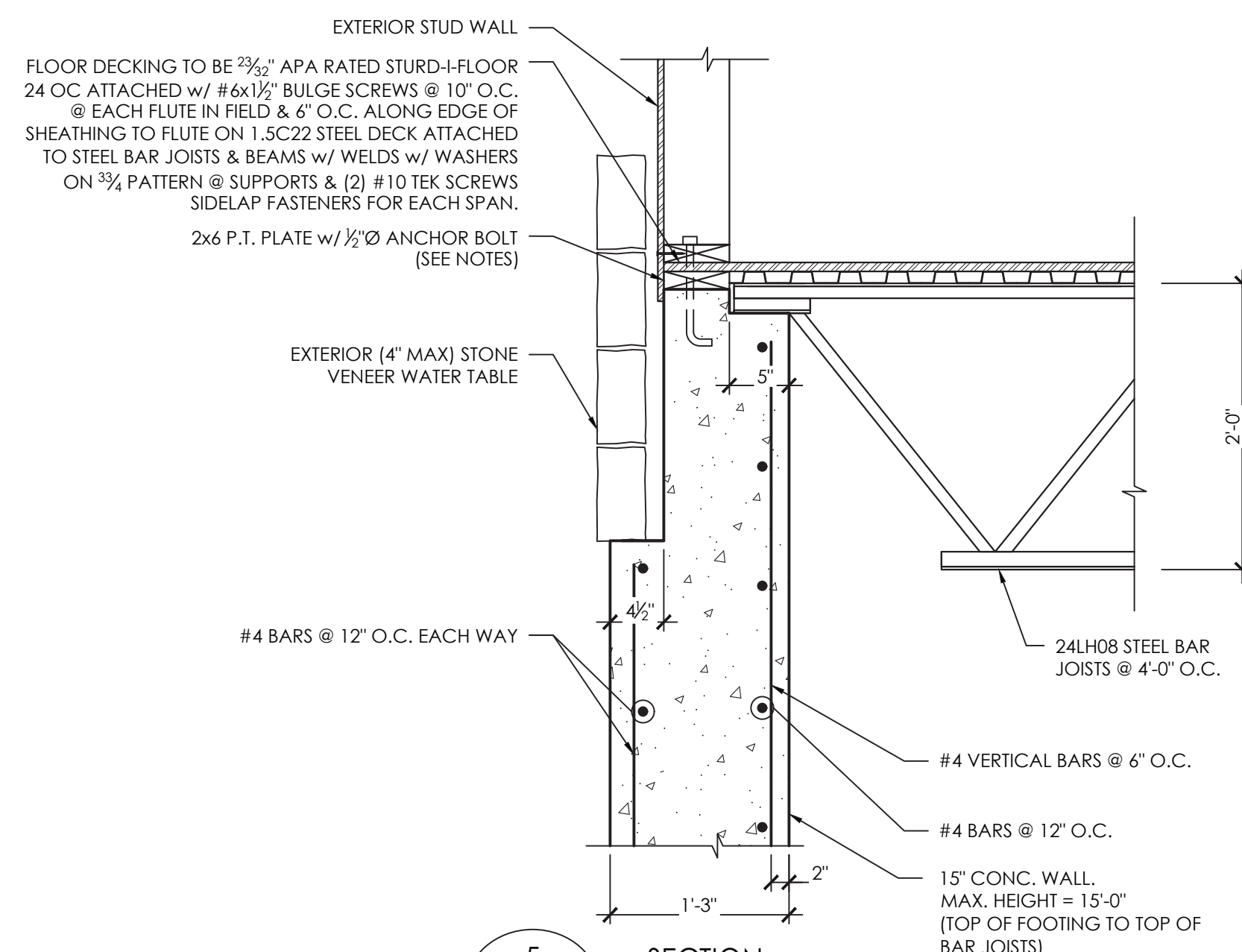
2 SECTION  
SD-1 1" = 1'-0"



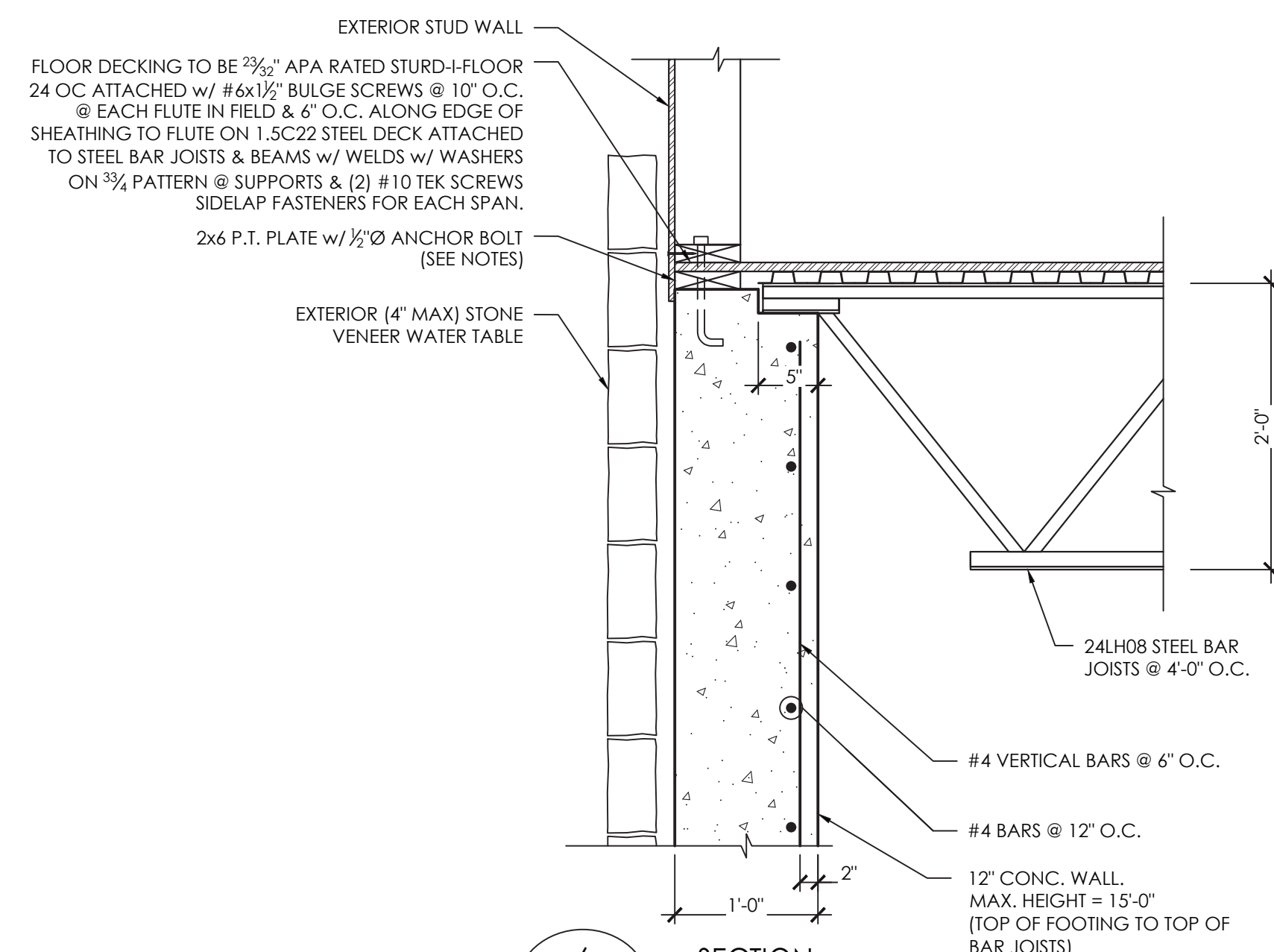
3 SECTION  
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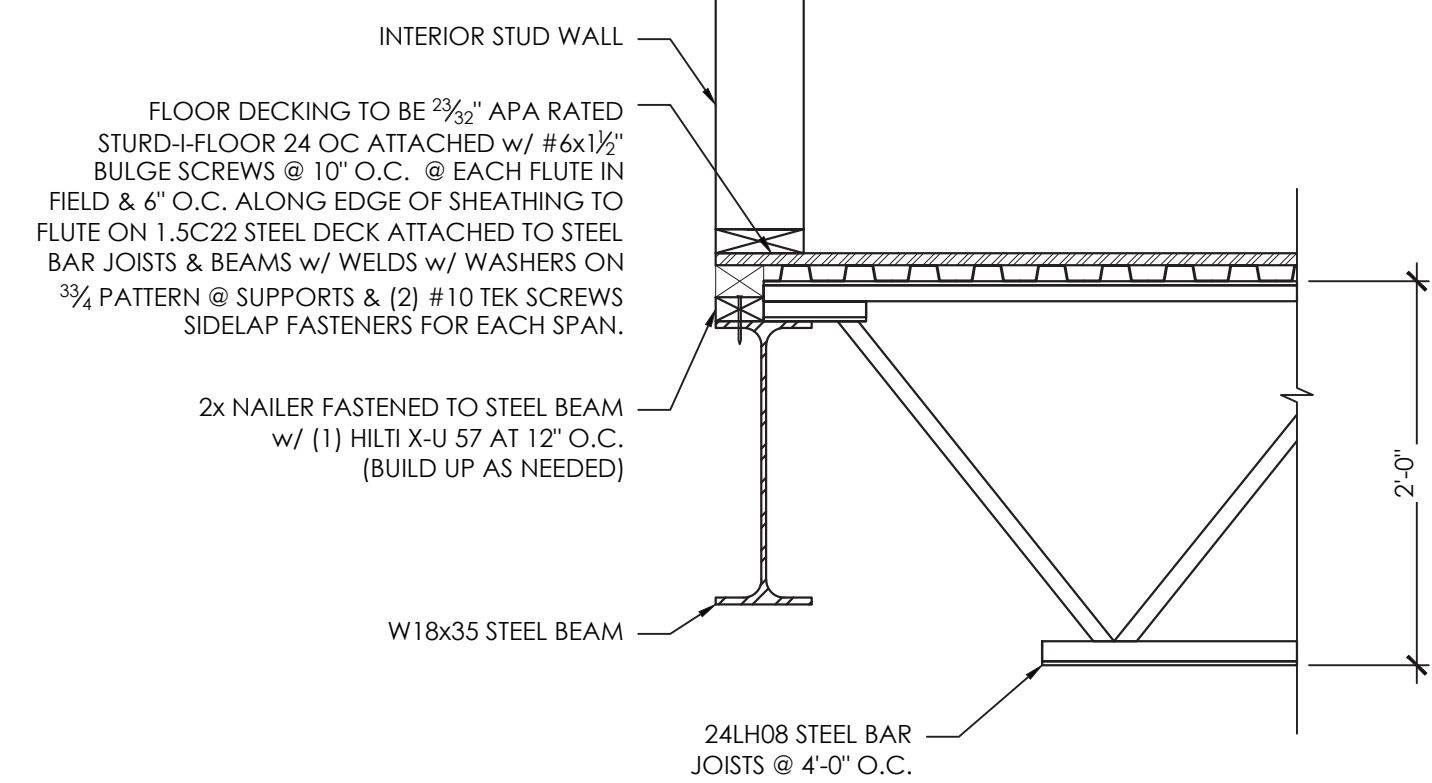
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SD-1 1" = 1'-0"



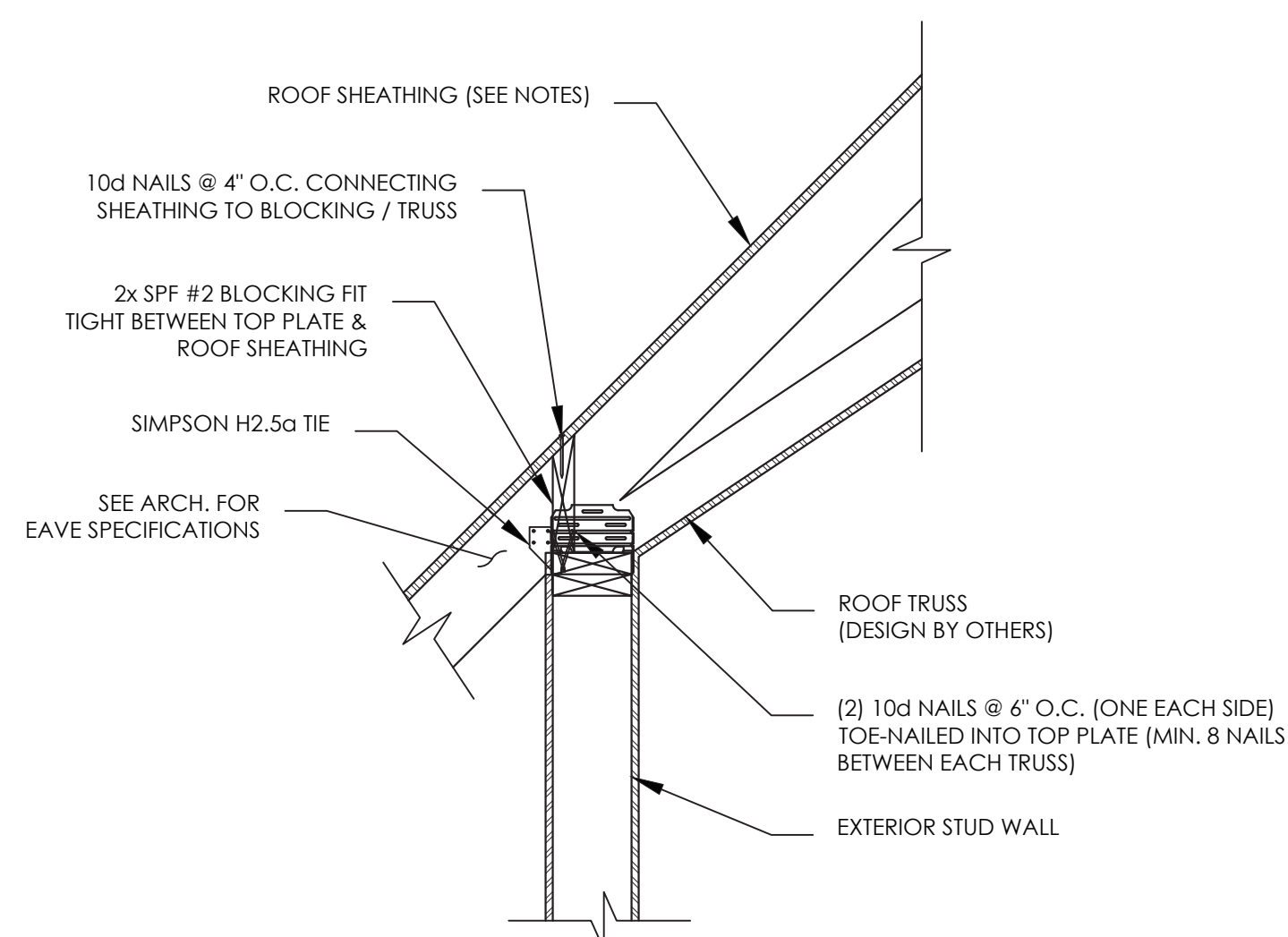
5 SECTION  
SD-1 1" = 1'-0"



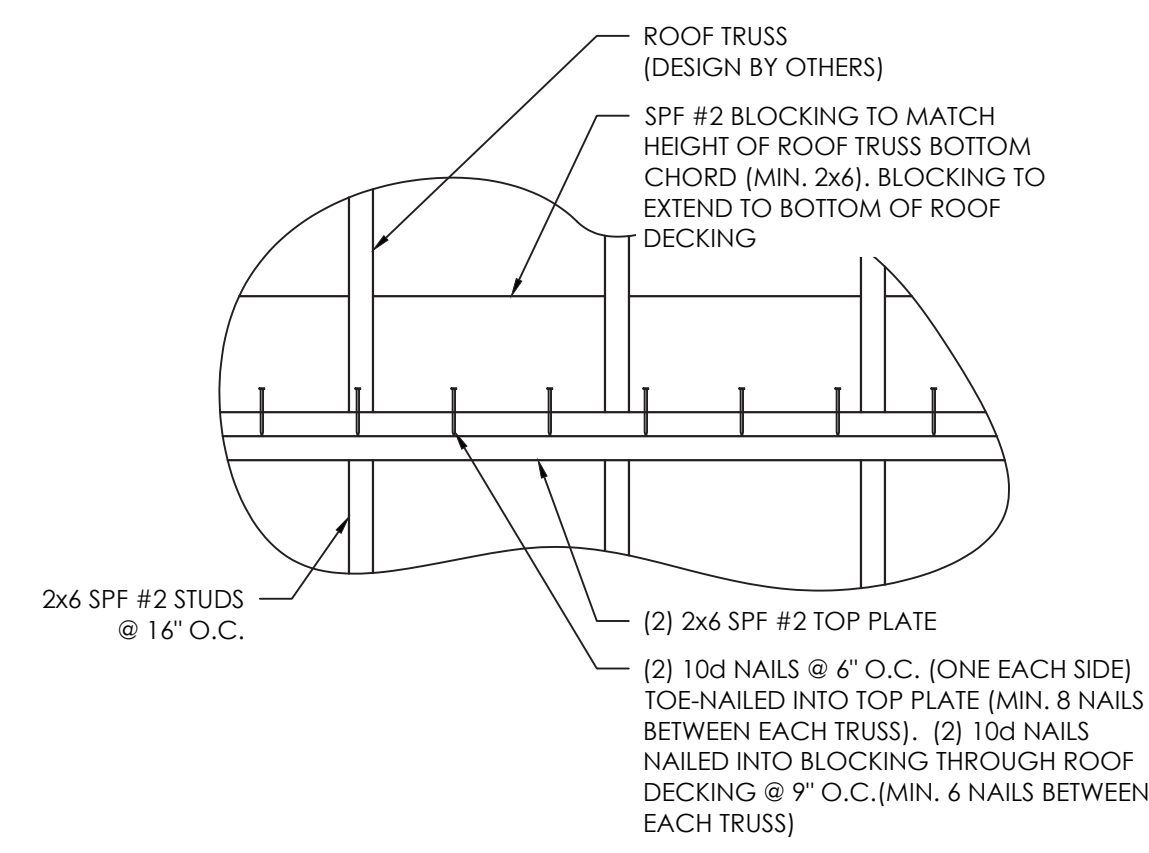
6 SECTION  
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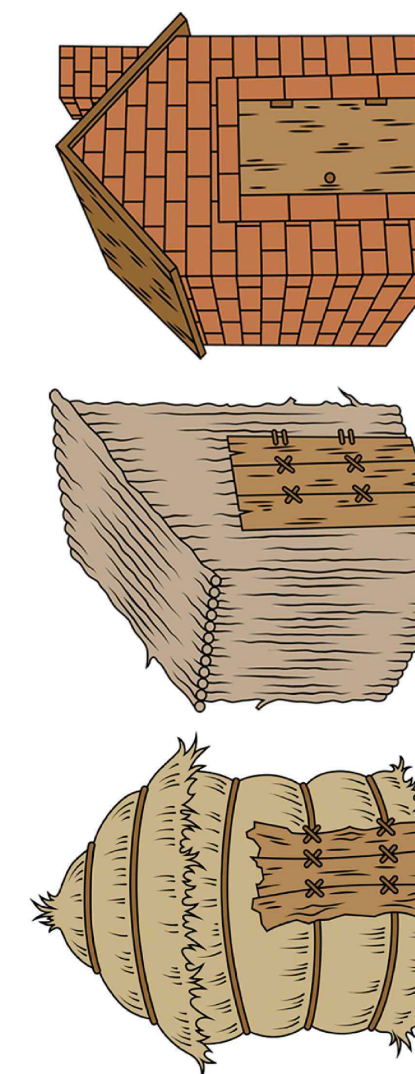
7 SECTION  
SD-1 1" = 1'-0"



8 SECTION  
SD-1 1" = 1'-0"



9 SECTION  
SD-1 1" = 1'-0"



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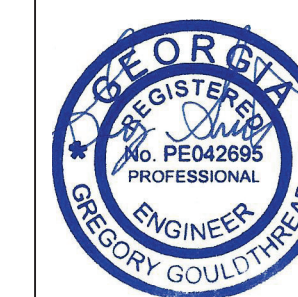
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SUBMITTALS	3LP #:	22367	SCALE:	1/4" = 1'-0"	ENGINEER:	C/JG	REVIEWER:	MSA	DRAFTER:	C/JG
	STRUCTURAL PLANS ISSUED	11/14/2022	STRUCTURAL PLANS ISSUED	6/28/2023						

STRUCTURAL DETAILS

RELEASED FOR CONSTRUCTION



SD-1