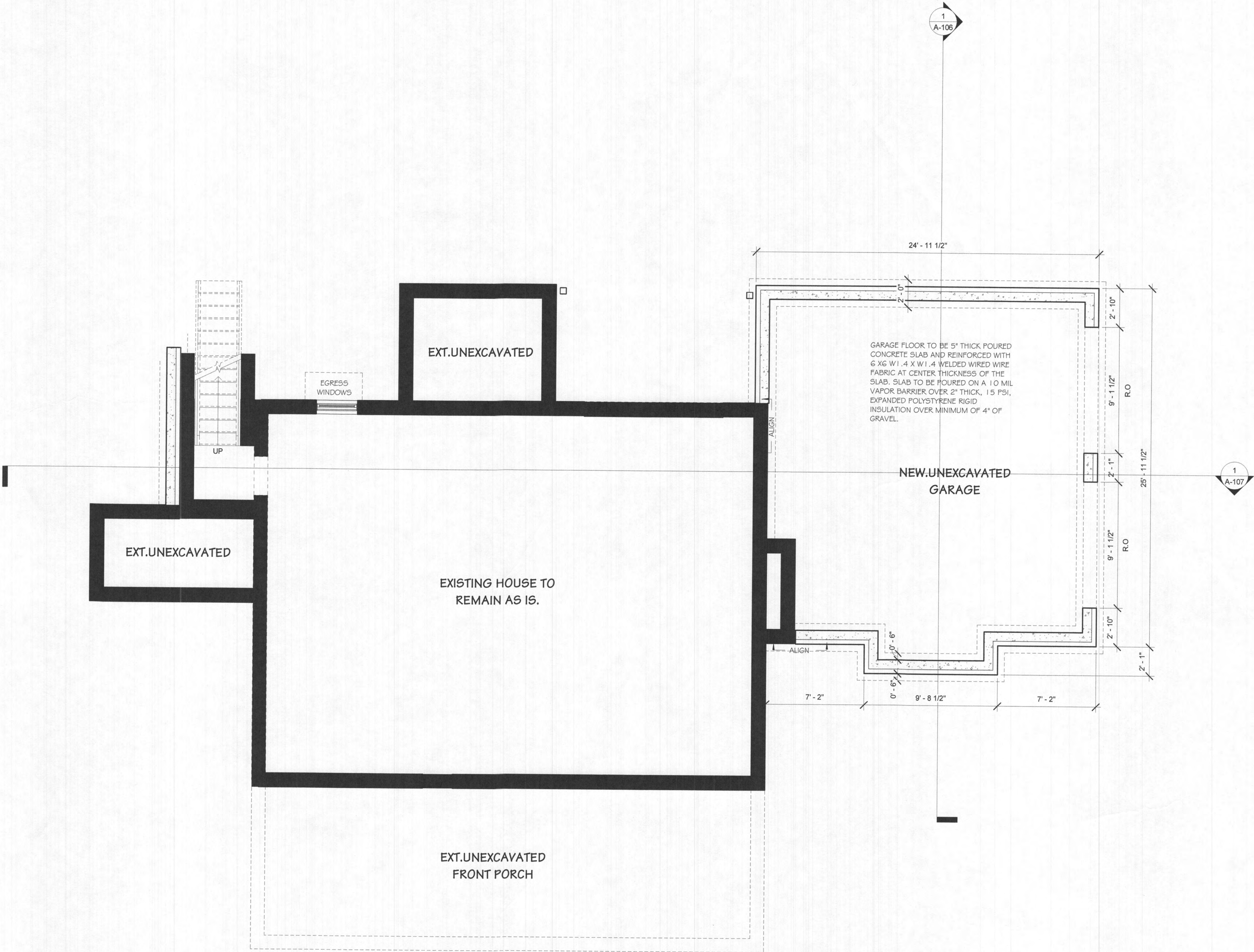


GENERAL STRUCTURAL NOTES

1. ALL CONCRETE FOUNDATIONS, WALLS, AND INTERIOR SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS.
2. ALL REINFORCEMENT TO BE IN ACCORDANCE WITH ASTM A615, GRADE 60
3. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. WOOD SILLS ON CONCRETE SHALL BE PRESSURE TREATED
5. FRAMING LUMBER SHALL BE SPRUCE-PINE-FIR #2 AND BETTER, OR APPROVED EQUAL
6. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI-318 BUILDING CODE AND ACI SPECIFICATIONS.
7. ALL FOOTINGS SHALL BE A MINIMUM OF 36" FROM FINISHED GRADE AND SHALL BEAR ON UNDISTURBED SOIL. SAFE SOIL BEARING CAPACITY HAS BEEN BASED ON SOIL BEING ABLE TO SUPPORT A MINIMUM OF 2000 PSF. IF A WATER CONDITION OR A SOIL CONDITION OTHER THAN A FIRM COARSE GRANULAR SOIL IS ENCOUNTERED, REPORT CONDITION TO ARCHITECT AT ONCE.
8. STORAGE AND CONSTRUCTION OF WEYERHAEUSER PARALLAM PSL BEAM AND COLUMNS, AND ATTACHMENT OF SIMPSON STRONG-TIE CONNECTORS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S LITERATURE. FASTENERS FOR SIMPSON STRONG-TIE CONNECTORS SHALL BE IN ACCORDANCE WITH MANUFACTURER.
9. MINIMUM COMPRESSIVE STRENGTH OF CMU MASONRY SHALL BE 2000 PSI
10. CMU MORTAR SHALL BE TYPE S.
11. MINIMUM COMPRESSIVE STRENGTH OF CMU GROUT SHALL BE 2000 PSI



1 FOUNDATION PLAN
1/4" = 1'-0"



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Written dimensions on these shall have precedence over scale dimensions
contractors shall verify & conditions on the job.

AJUWON RESIDENCE
15320 OLD FREDERICK ROAD, WOODBINE, MD 21797

Issued	Date
Floor Plan	01/26/23

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FOUNDATION PLAN

S-100

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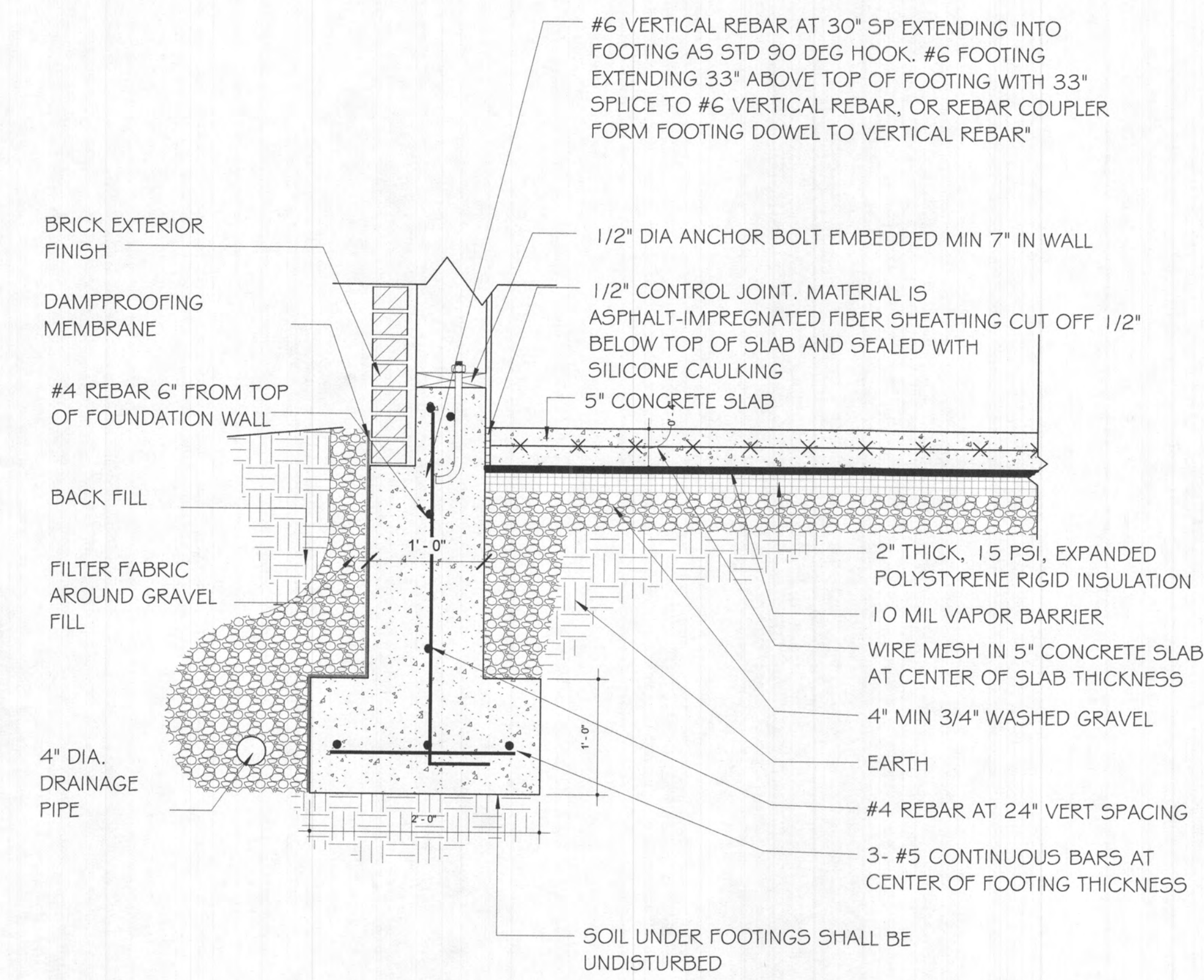
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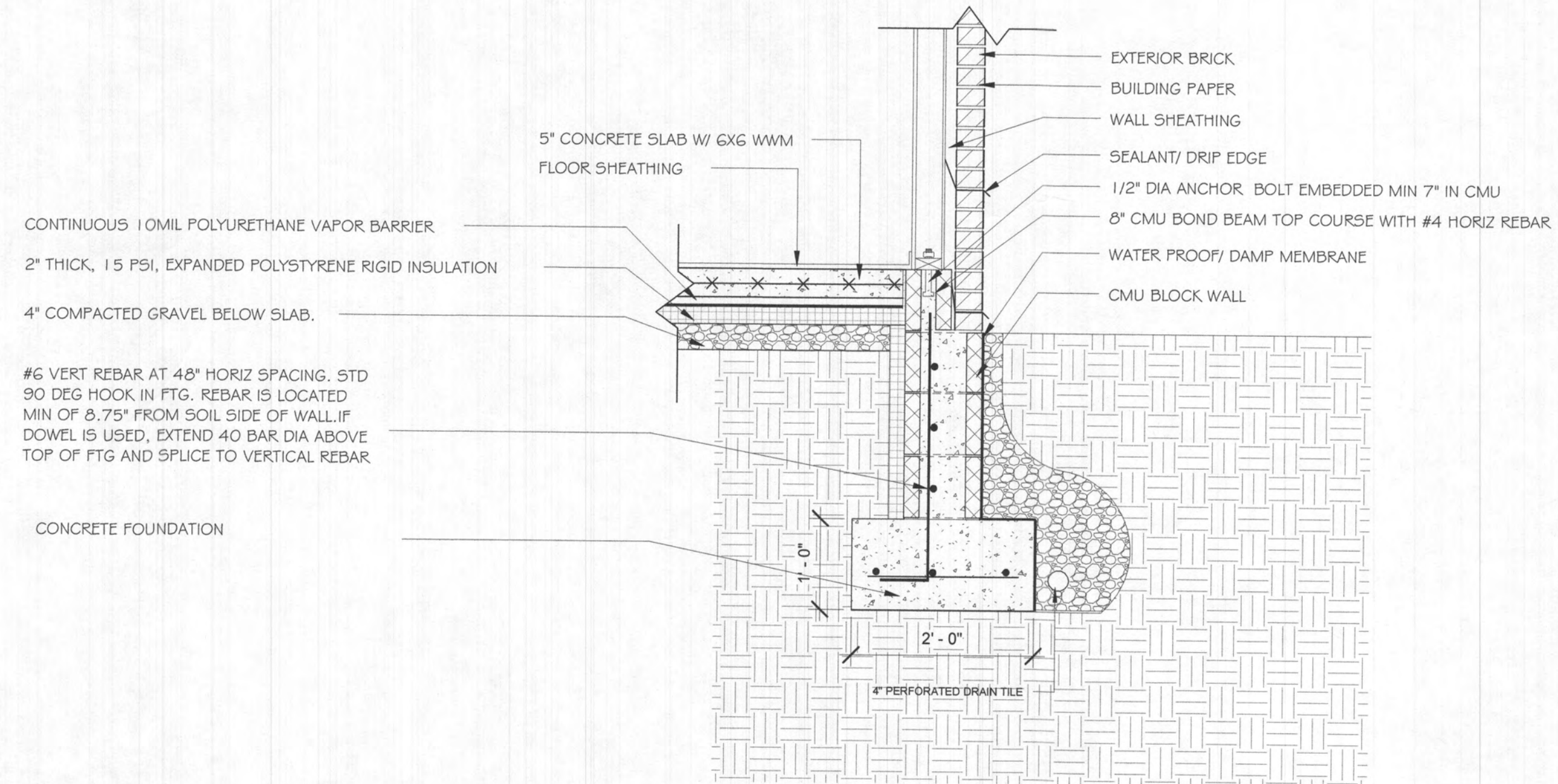
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FOUNDATION DETAILS

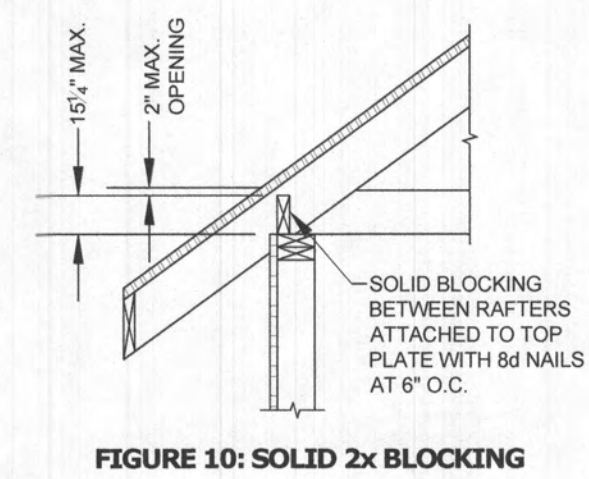
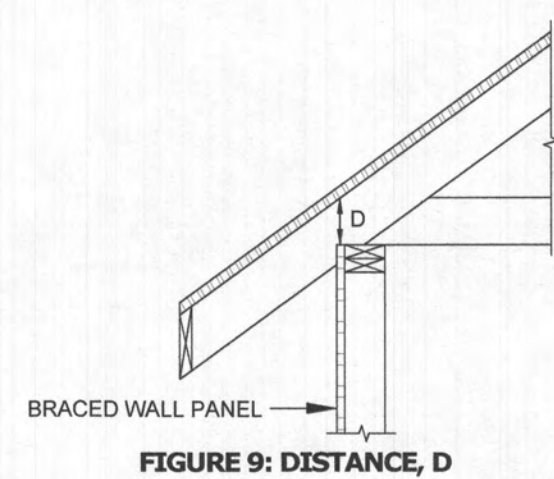
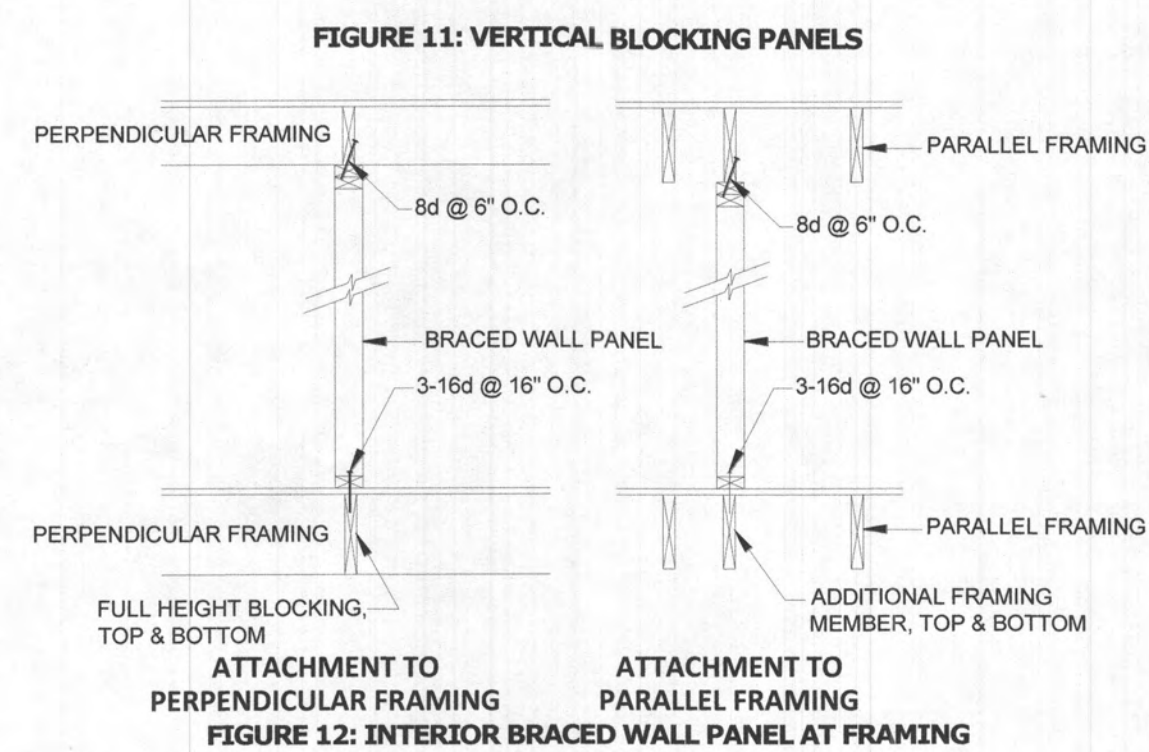
S-200



FOUNDATION FOOTING DETAIL
1" = 1'-0"



SLAB ON GRADE DETAIL
3/4" = 1'-0"



BRACED WALL SCHEDULE GARAGE					
	CONSTRUCTION TYPE	WIND FACTOR	REQ'D LENGTH	PROVIDED LENGTH (FT) AND	
BWL-A	CS-WSP	1.3	8.3	9.4+/- SIDE EXTERIOR WALL.	
BWL-B	CS-WSP	1.3	25.4	25.4+/- SIDE EXTERIOR WALL	
BWL-1	CS-WSP	1.3	24.4	15.0+/- BACK EXTERIOR WALL.	
BWL-2	CS-WSP/GB	1.3	20.7	24.4+/- FRONTBACK EXTERIOR WALL	

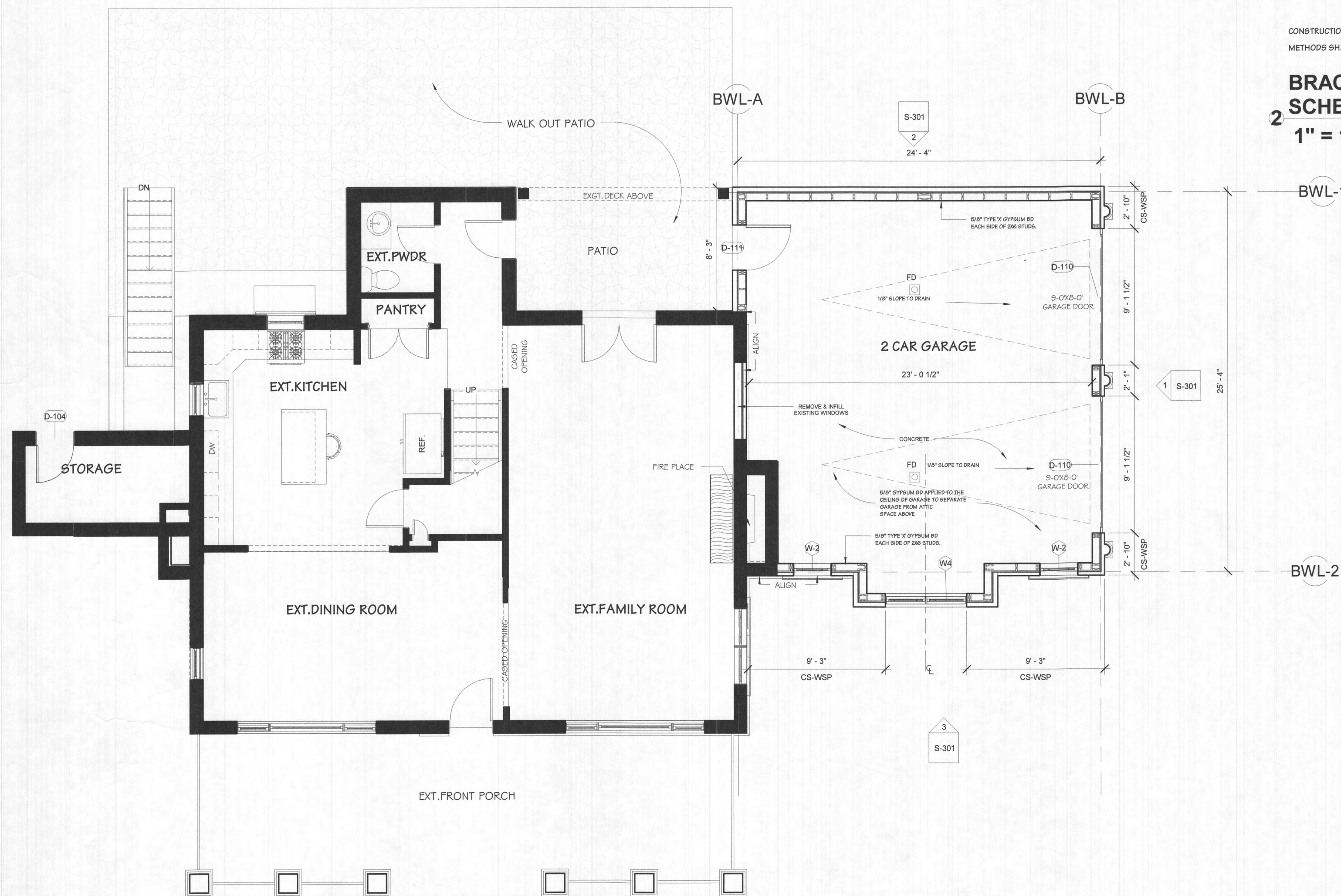
BRACING METHODS			
METHODS, MATERIAL	MINIMUM THICKNESS	FASTENERS	SPACING
CS-WSP	3/8"	EXTERIOR SHEATHING PER TABLE R602.3(3)	0" EDGES 12" FIELD
CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL		INTERIOR SHEATHING PER TABLE R602.3(1) OR R602.3 (2)	0" EDGES 12" FIELD BY FASTENERED

CONSTRUCTION TYPE/BRACING

METHODS SHALL BE IN ACCORDANCE WITH TABLE R602.10.4 IN THE IRC.

BRACED WALL SCHEDULE

2
1" = 1'-0"



PROPOSE FIRST FLOOR WALL BRACING PLAN

1/4" = 1'-0"



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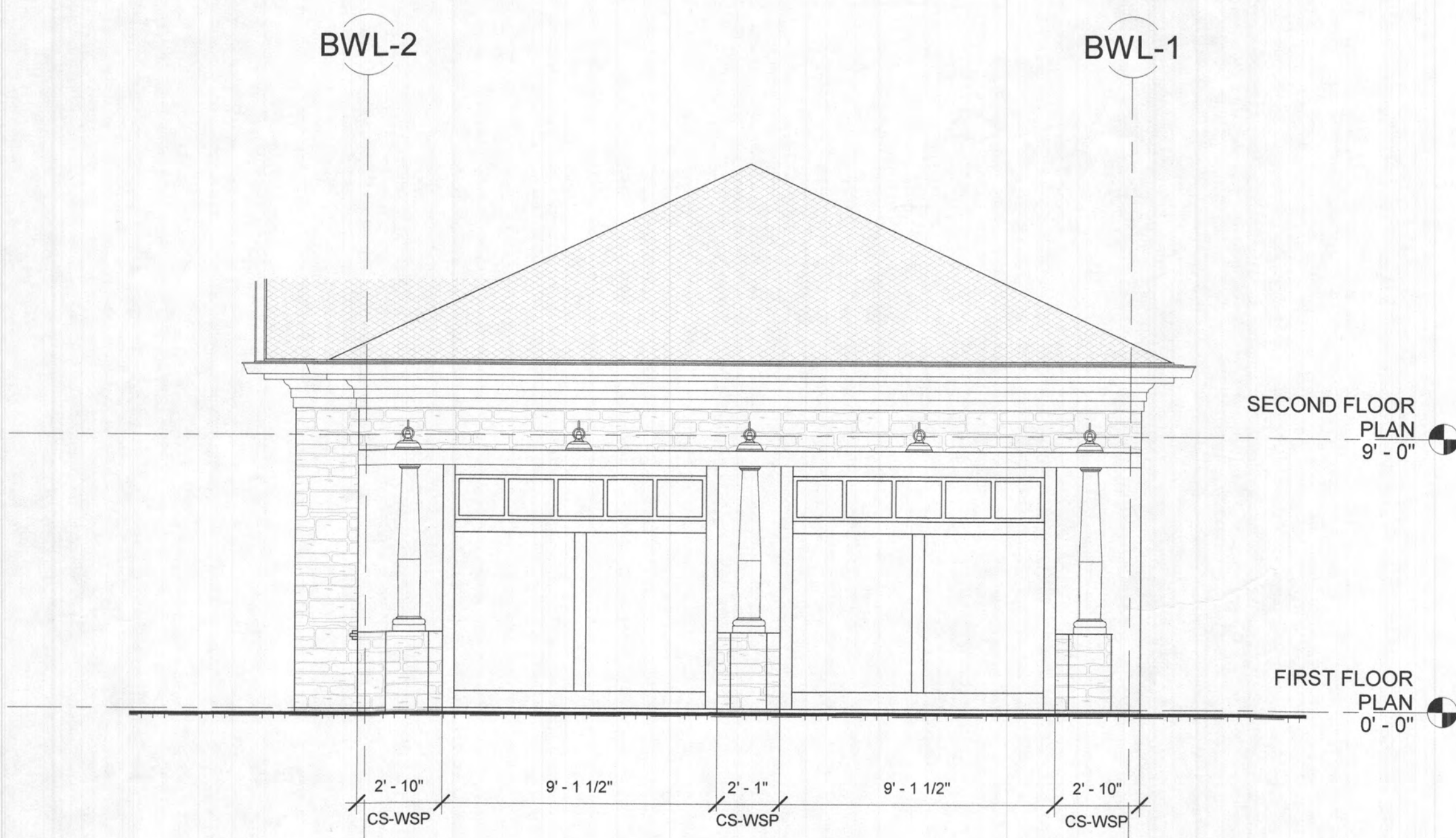
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entire group

WALL BRACING PLAN

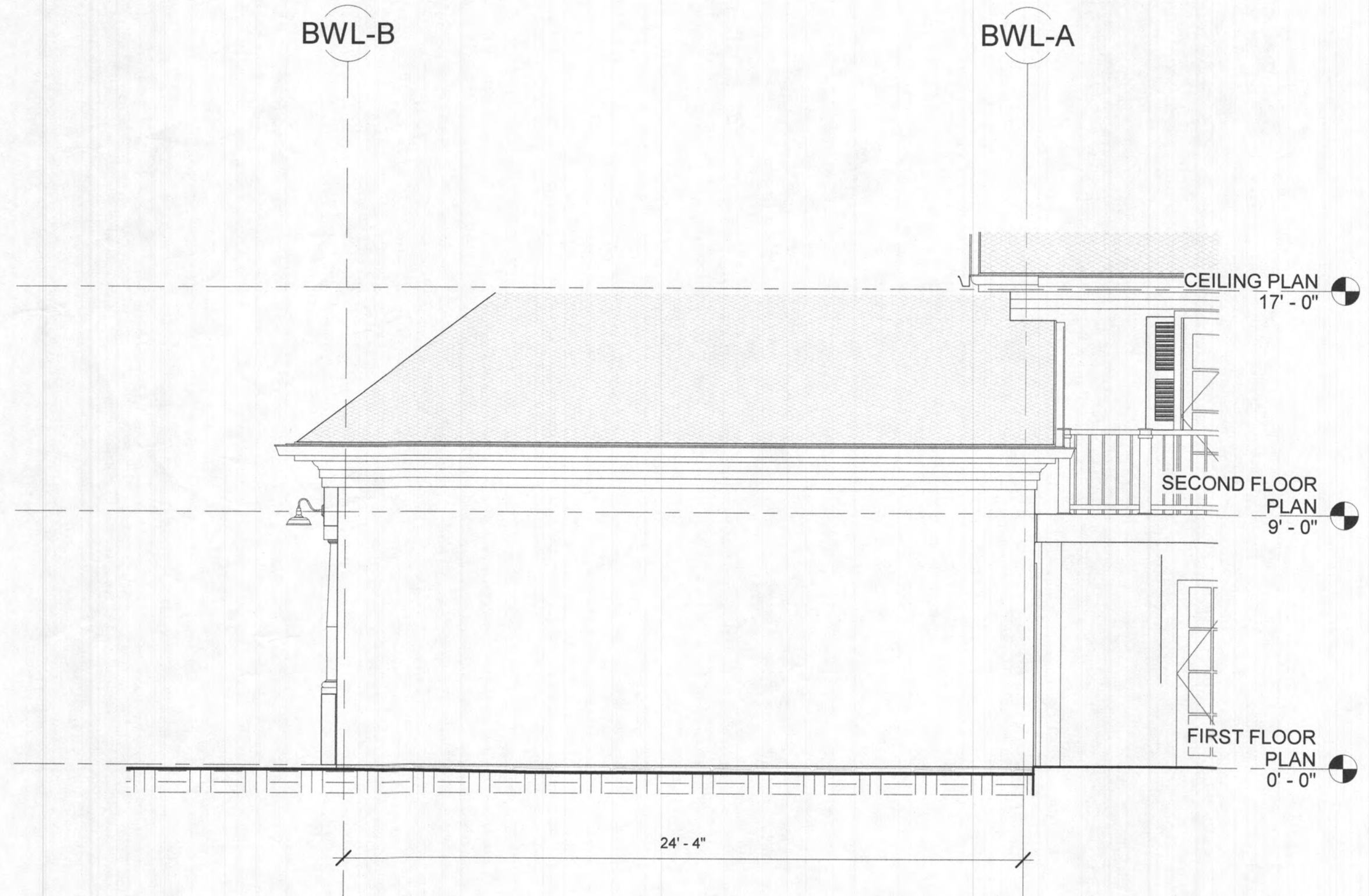
S-300



**WALL BRACING
ELEVATION 1**
1/4" = 1'-0"



**WALL BRACING
ELEVATION 3**
1/4" = 1'-0"



**WALL BRACING
ELEVATION 2**
1/4" = 1'-0"



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REVIEWED
DATE
BY
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**WALL
BRACING
ELEVATIONS**

ENERGY EFFICIENCY SPECIFICATIONS PRESCRIPTIVE
METHOD PER IECC 2018

BUILDING ENVELOPE

CEILING

ABOVE GRADE 2x4

ABOVE GRADE 2x6

FOUNDATION WALLS - CONTINUOUS

FOUNDATION WALLS - FRAMED CAVITY INSULATION

FLOOR (OVER UNCONDITIONED
SLAB/DEPTH

DUCT (UNCONDITIONED

NFRC

WINDOW

DOOR

MECHANICAL

HEAT - FUEL FIRED AIR DISTRIBUTION,
NATURAL GAS/PROPANE

COOLING - AIR CONDITIONER, ELECTRIC

WATER HEATER, NATURAL

U-

U-0.3

U-0.3

R-

R-49

R-20

R-20

R-20

R-20

R-10/2FT

R-8

SHG

U-0.3

U-0.3

EFFICIENCY

80%

13 SEER

EF 0.55

GENERAL NOTES:

- ALL JOINTS, SEAMS AND PENETRATIONS IN THE THERMAL ENVELOPE SHALL BE SEALED FROM AIR INFILTRATION WITH CAULK, FOAM, WEATHERSTRIP, SOILD BLOCKING OR OTHER BARRIER MATERIAL SUITABLE FOR EACH SPECIFIC APPLICATION PER IECC SECTION 402.4.
- OPENINGS BETWEEN DOOR AND WINDOW ASSEMBLIES AND THE ROUGH OPENING FRAMING SHALL BE SEALED WITH LOW-EXPANSION FOAM SUITABLE FOR SUCH APPLICATIONS.
- HIGH-EFFICACY LAMPS SHALL BE INSTALLED IN A MINIMUM OF 50% OF PERMANENTLY INSTALLED LIGHT FIXTURES.
- ALL DUCTS, AIR HANDLERS, FILTER BOXES, ETC. SHALL BE SEALED WITH MASTIC CONFORMING WITH UL181. JOINTS AND SEAMS TO COMPLY WITH 2018 IRC SECTION M1601.4.1.
- A PROGRAMMABLE THERMOSTAT SHALL BE PROVIDED FOR EACH HEATING/COOLING SYSTEM PER IECC SECTION 403.1.



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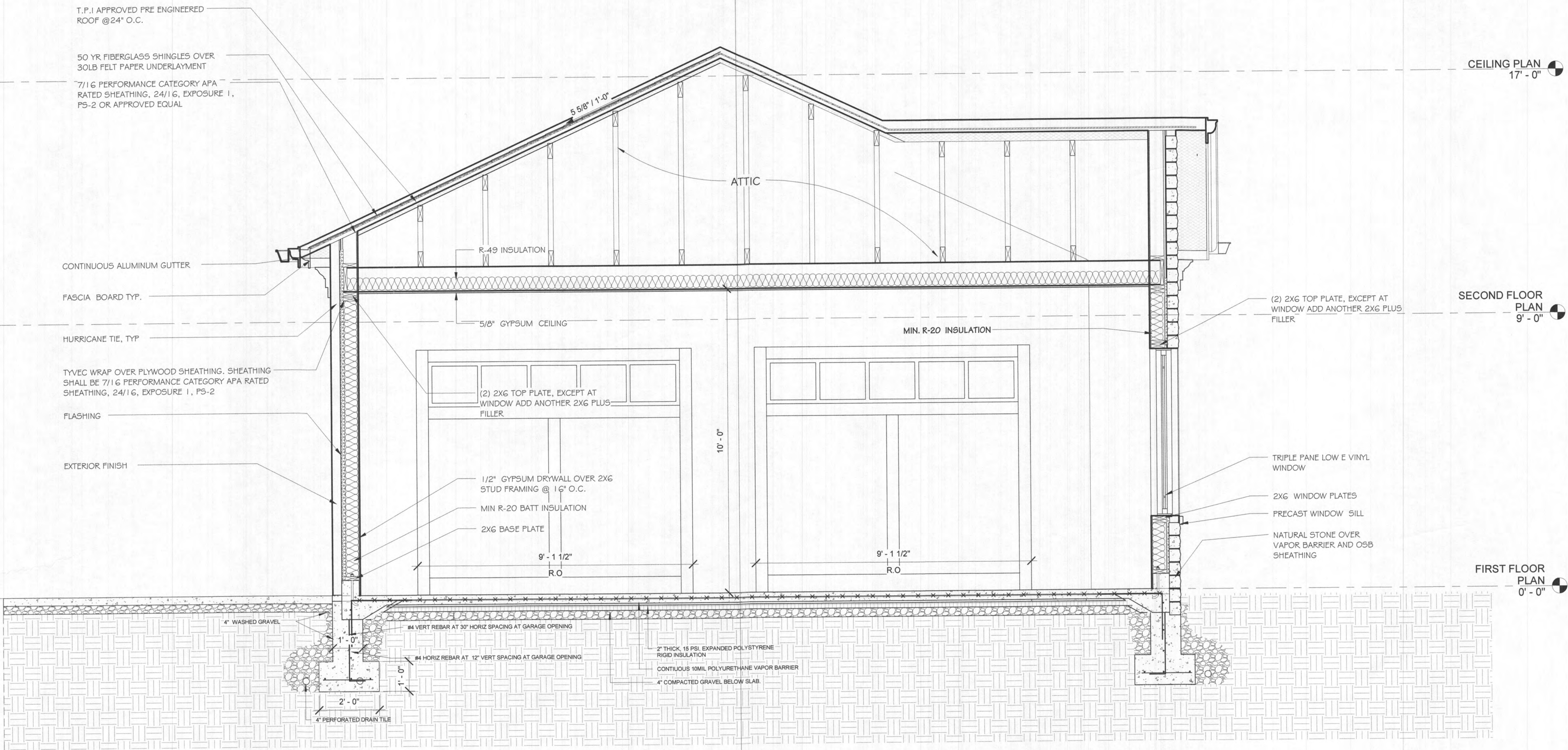
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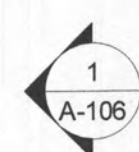
SECTION
DETAILS

A-106

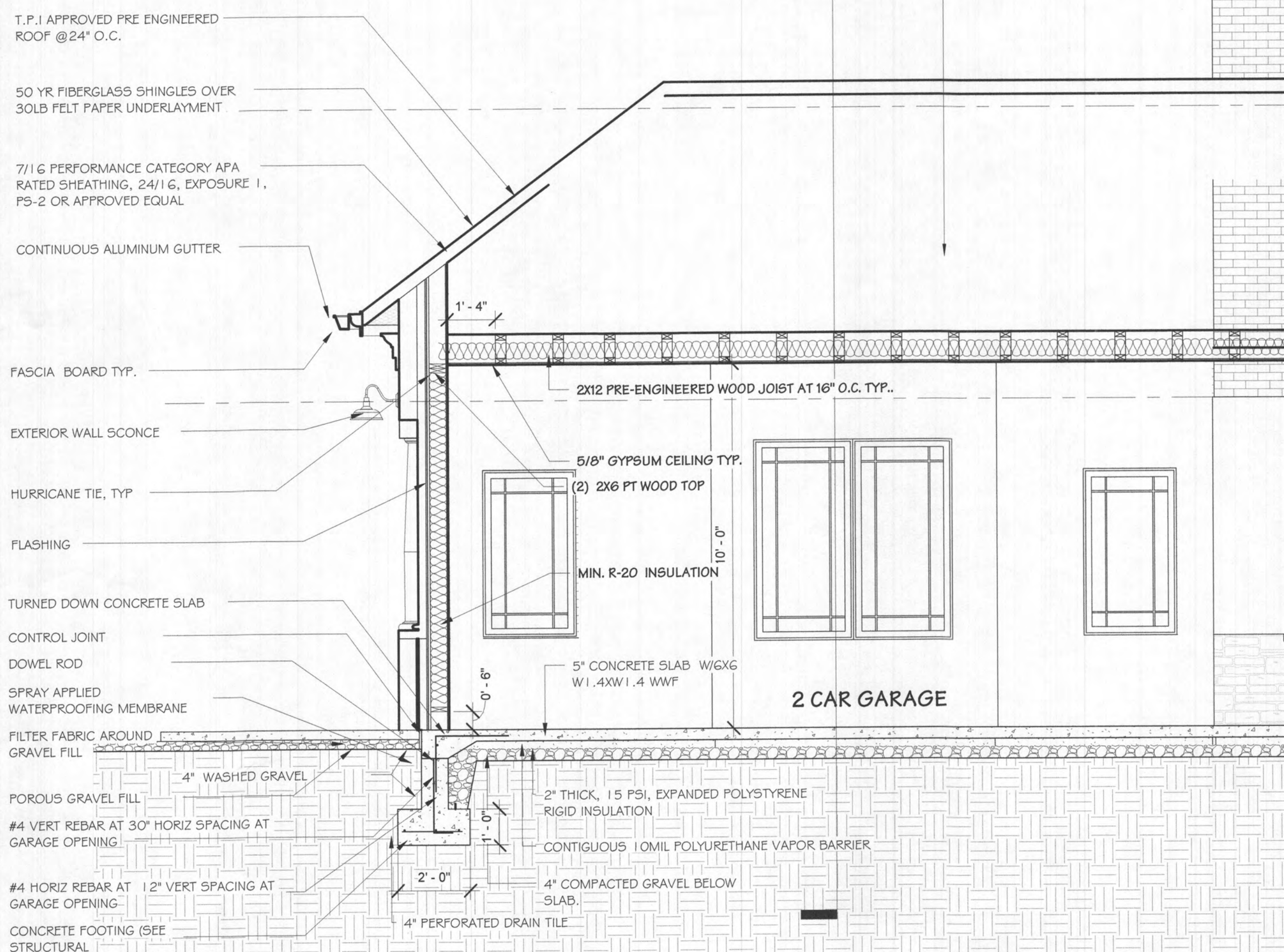
1 GARAGE BUILDING
CROSS SECTIONS

1/2" = 1'-0"





PROPOSAL ATTACHED GARAGE



BUILDING LATERAL SECTION
1
3/8" = 1'-0"