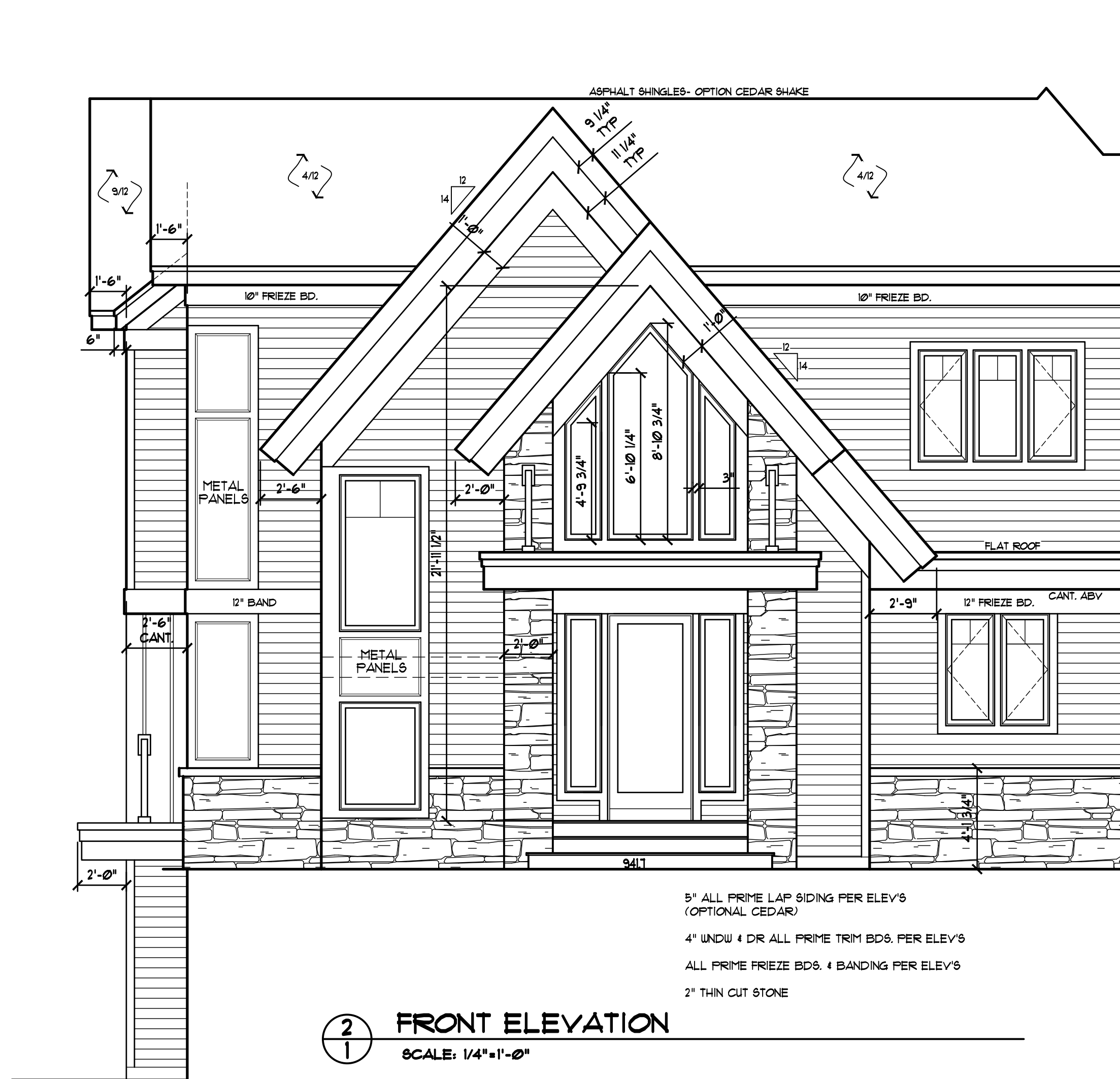
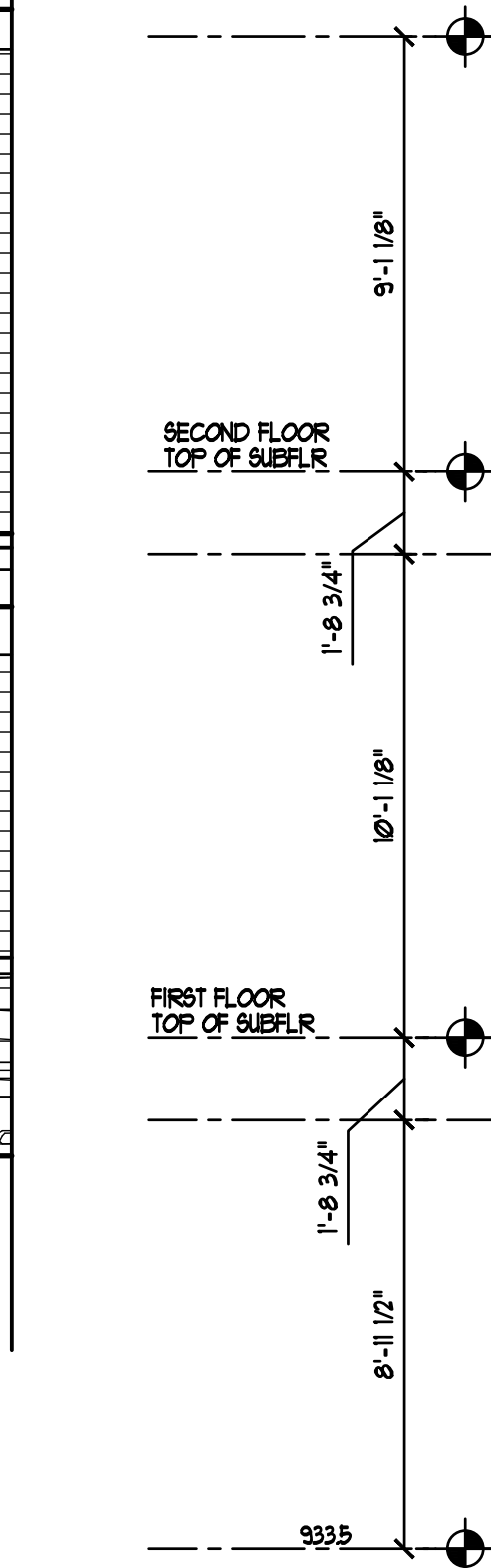
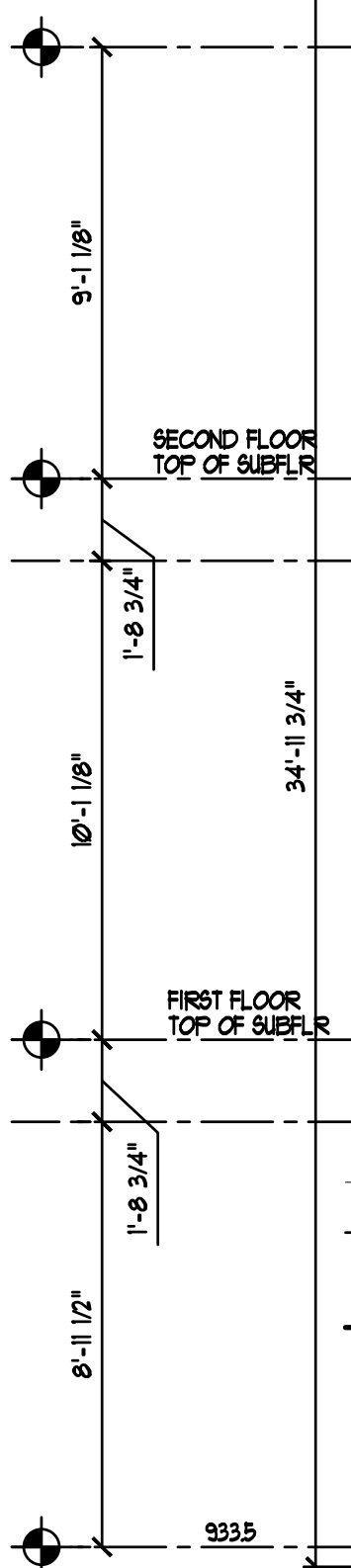




2
1 FRONT ELEVATION
SCALE: 1/4"=1'-0"



1
1 REAR ELEVATION
SCALE: 1/4"=1'-0"



NOTE: STRUCTURE IS FOR REFERENCE ONLY
AND NEEDS TO BE CERTIFIED AND SIGNED
OFF ON BY A LICENSED ENGINEER IN THE
STATE WHERE THE HOUSE IS BEING
CONSTRUCTED

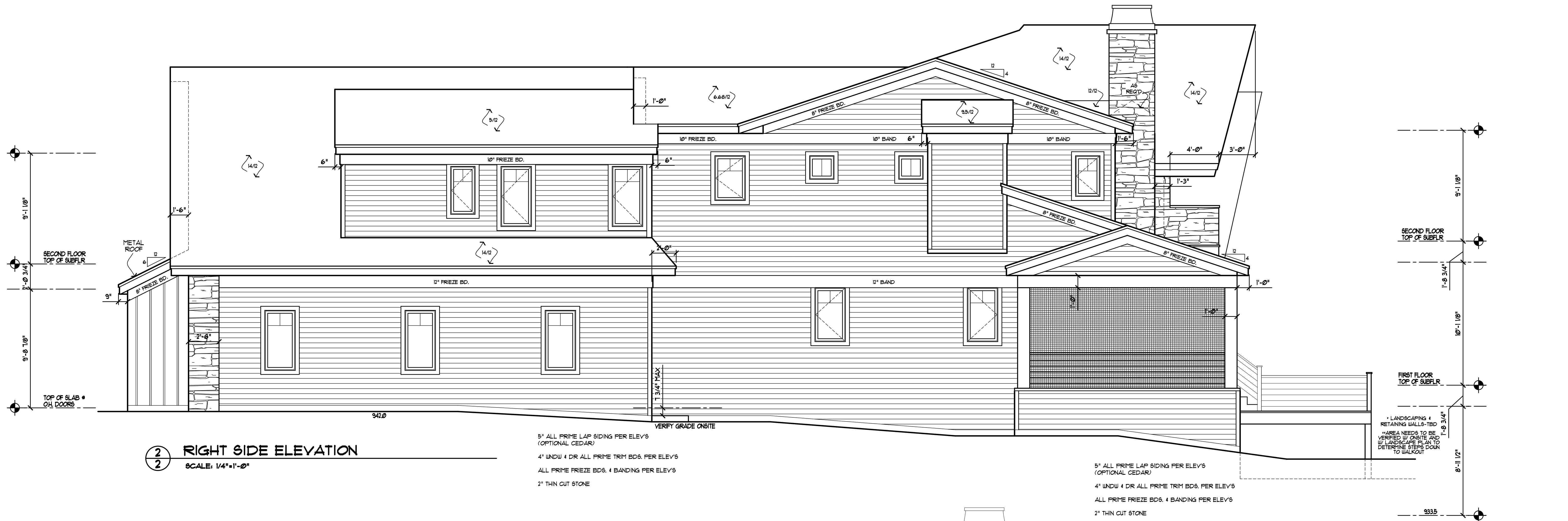
3385 AVERAGE EXIST GRADE

5" ALL PRIME LAP SIDING PER ELEV'S
(OPTIONAL CEDAR)

4" UNDW 4 DR ALL PRIME TRIM BDS. PER ELEV'S

ALL PRIME FRIEZE BDS. 4 BANDING PER ELEV'S

2" THIN CUT STONE



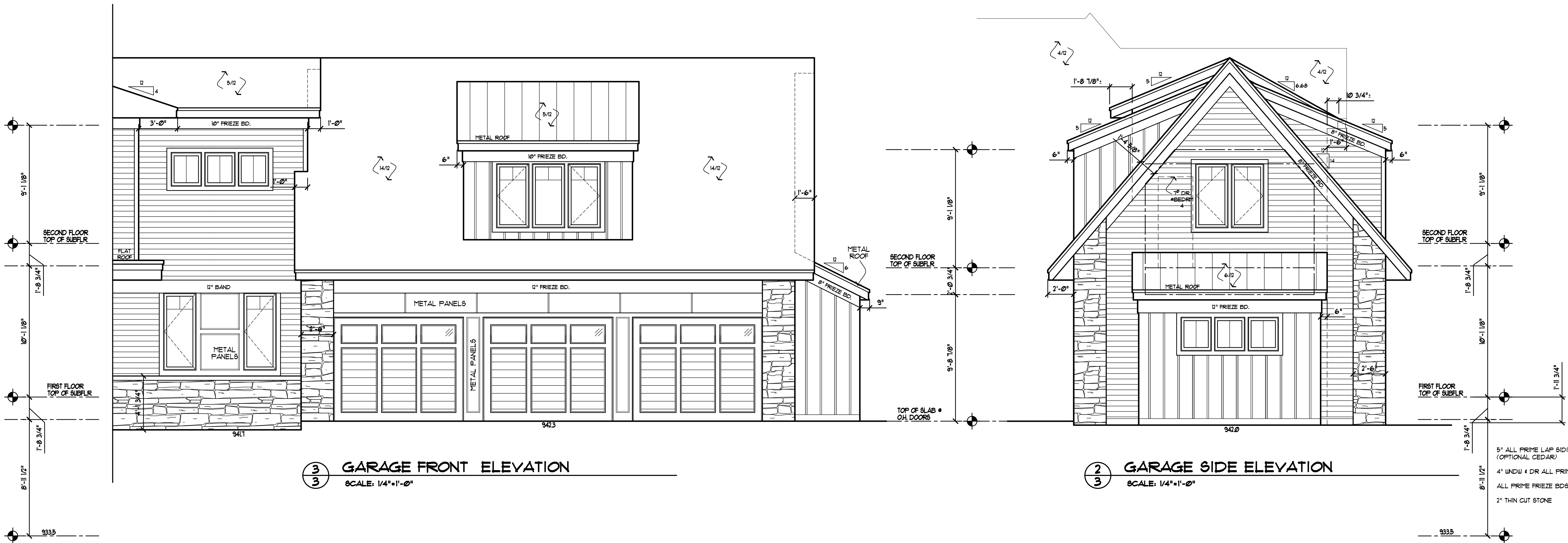
2 RIGHT SIDE ELEVATION
SCALE: 1/4"=1'-0"

5" ALL PRIME LAP SIDING PER ELEV'S
(OPTIONAL CEDAR)
4" UNDW 4 DR ALL PRIME TRIM BD'S PER ELEV'S
ALL PRIME FRIEZE BD'S, 4 BANDING PER ELEV'S
2" THIN CUT STONE

5" ALL PRIME LAP SIDING PER ELEV'S
(OPTIONAL CEDAR)
4" UNDW 4 DR ALL PRIME TRIM BD'S PER ELEV'S
ALL PRIME FRIEZE BD'S, 4 BANDING PER ELEV'S
2" THIN CUT STONE



1 LEFT SIDE ELEVATION
SCALE: 1/4"=1'-0"



CONCRETE WALL SCHEDULE:

USE 4000 PSI CONCRETE AND GRADE 60 REINFORCING STEEL

- WALL-1 BASEMENT WALL WITH STONE VENEER - 10" CONCRETE WALL UP TO 4" STONE LEDGE AND 6" CURB AT TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, AT THE INSIDE FACE OF THE WALL.
- WALL-2 BASEMENT WALL AT ENTRY - 8" CONCRETE WALL WITH 2" EXTERIOR SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 3'-4" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, AT THE INSIDE FACE OF THE WALL.
- WALL-3 BASEMENT WALL - 8" CONCRETE WALL REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 3'-4" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, AT THE INSIDE FACE OF THE WALL.
- WALL-4 BASEMENT WALL AT SCREEN PORCH - 10" CONCRETE WALL WITH 4" INTERIOR PRECAST LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, AT THE INSIDE FACE OF THE WALL.
- WALL-5 TRANSITION WALL - 8" CONCRETE WALL REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 3'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-6 WALKOUT WALL - 8" CONCRETE WALL WITH 2" INTERIOR SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-6A WALKOUT WALL WITH STONE VENEER - 14" CONCRETE WALL WITH 6" EXTERIOR STONE LEDGE, A 2" INTERIOR SLAB LEDGE AND A 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-7 BASEMENT WALL AT GARAGE - 8" CONCRETE WALL WITH 2" GARAGE SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 3'-4" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, AT THE INSIDE FACE OF THE WALL.
- WALL-8 GARAGE FOUNDATION WALL - 8" CONCRETE WALL WITH 2" INTERIOR SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-8A GARAGE FOUNDATION WALL WITH STONE VENEER - 12" CONCRETE WALL UP TO A 4" EXTERIOR STONE LEDGE, WITH A 2" INTERIOR SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-9 FOUNDATION WALL - 8" CONCRETE WALL REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 4'-0" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 2'-0" O.C., RUNNING CONTINUOUS, CENTERED IN THE WALL.
- WALL-10 CANTILEVERED RETAINING WALL - 12" CONCRETE WALL REINFORCED WITH $\frac{1}{2}$ " VERTICAL BARS AT 16" O.C. AND $\frac{1}{4}$ " HORIZONTAL BARS AT 16" O.C., RUNNING CONTINUOUS, AT THE EARTH SIDE OF THE WALL. DOUEL THE VERTICAL BARS INTO THE FOOTING WITH AN 24" HOOK AT THE BOTTOM INTO FOOTING.
- WALL-11 ELEVATOR FOUNDATION WALL - 8" CONCRETE WALL WITH 2" BASEMENT SLAB LEDGE AND 6" CURB AT THE TOP, REINFORCED WITH $\frac{1}{2}$ " VERTICAL DOUELS AT 3'-0" O.C. AND 1 - $\frac{1}{4}$ " HORIZONTAL BAR RUNNING CONTINUOUS AT THE TOP, CENTERED IN THE WALL.
- WALL-12 INTERIOR CURB WALL - 6" CONCRETE CURB (OR CMU), VERIFY HEIGHT, FIN TO FOOTING WITH $\frac{1}{4}$ " DOUEL AT 3'-0" O.C.

FOOTING SCHEDULE

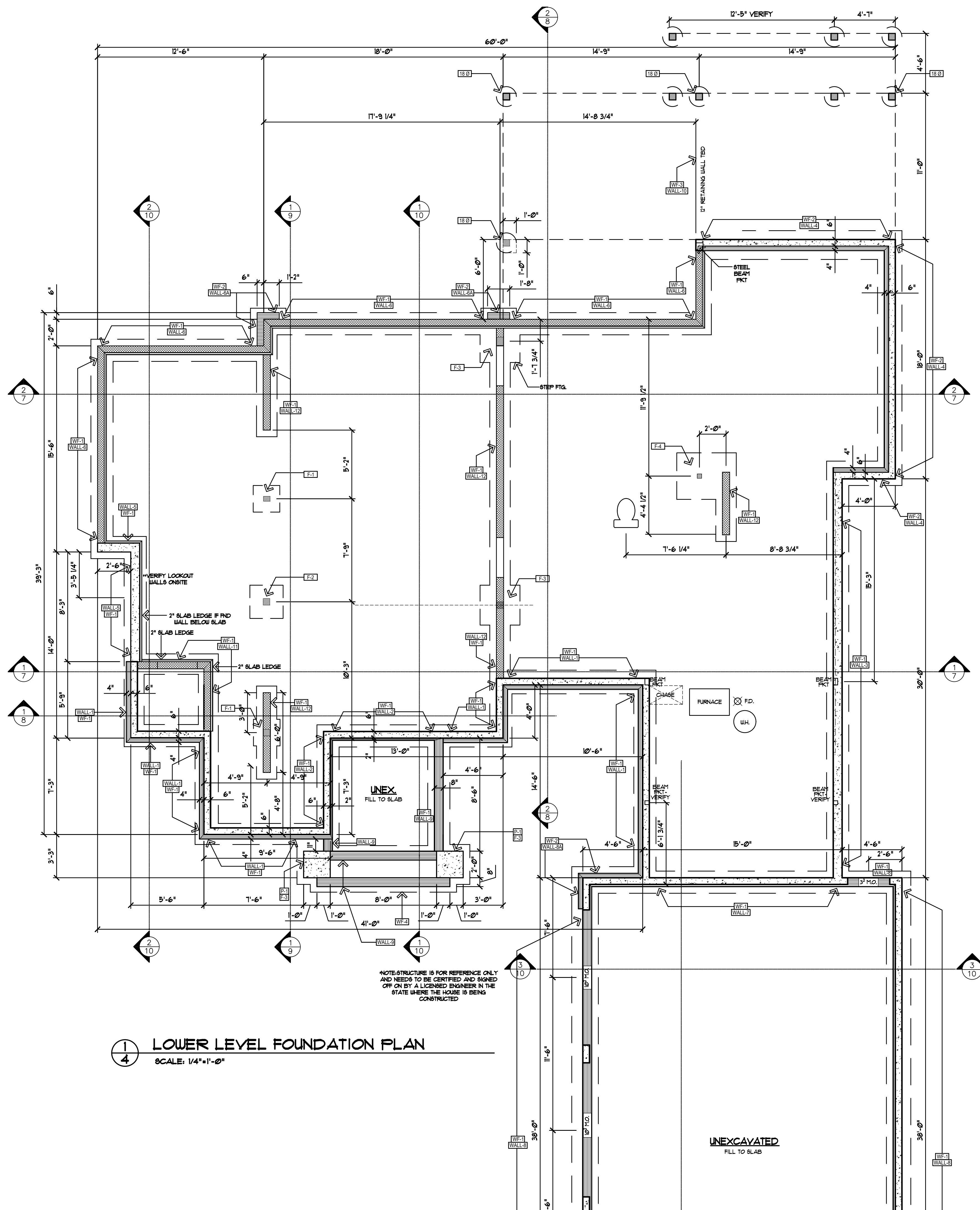
USE 3000 PSI CONCRETE AND GRADE 60 REINFORCING STEEL

- WF-1 10" X 1'-8" WALL FOOTING REINFORCED WITH 2 - $\frac{1}{4}$ " CONT.
- WF-2 10" X 2'-0" WALL FOOTING REINFORCED WITH 2 - $\frac{1}{4}$ " CONT.
- WF-3 12" X 4'-0" WALL FOOTING REINFORCED WITH 5 - $\frac{1}{2}$ " CONT. AND 5 TRANSVERSE AT 16" O.C.
- WF-4 10" X 3'-6" WALL FOOTING REINFORCED WITH 4 - $\frac{1}{4}$ " CONT.
- F-1 2'-0" X 2'-0" X 10" PAD FOOTING REINFORCED WITH 3 - $\frac{1}{4}$ " EACH WAY
- F-2 2'-6" X 2'-6" X 10" PAD FOOTING REINFORCED WITH 3 - $\frac{1}{4}$ " EACH WAY
- F-3 3'-0" X 3'-0" X 10" PAD FOOTING REINFORCED WITH 4 - $\frac{1}{4}$ " EACH WAY
- F-4 3'-6" X 3'-6" X 10" PAD FOOTING REINFORCED WITH 4 - $\frac{1}{4}$ " EACH WAY

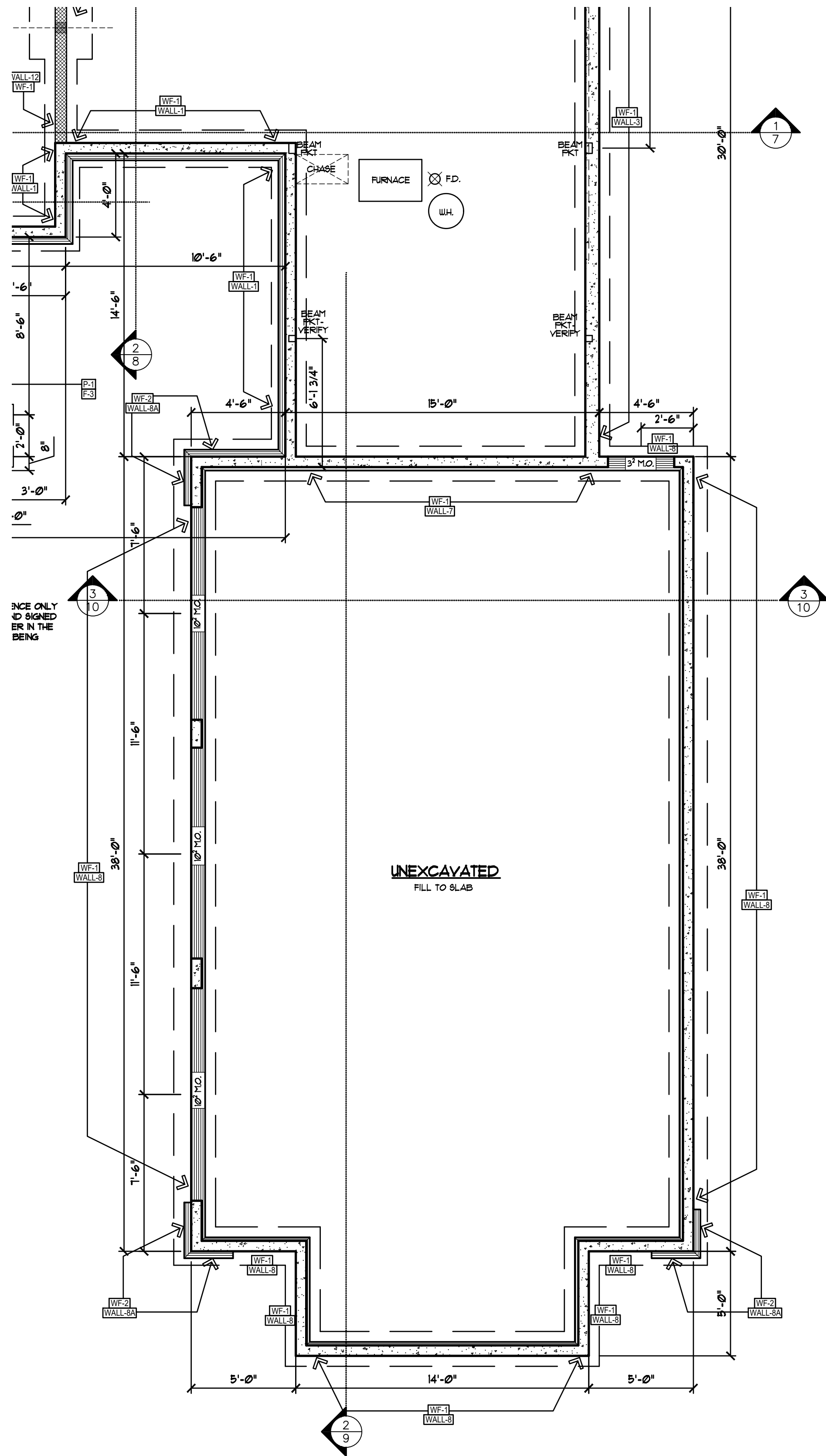
PIER SCHEDULE

USE 4000 PSI CONCRETE AND GRADE 60 REINFORCING STEEL

- P-1 2'-0" X 2'-0" CONCRETE PIER, REINFORCED WITH 4 - $\frac{1}{4}$ " VERTICAL BARS AND $\frac{1}{4}$ " HORIZONTAL TIES AT 16" O.C.

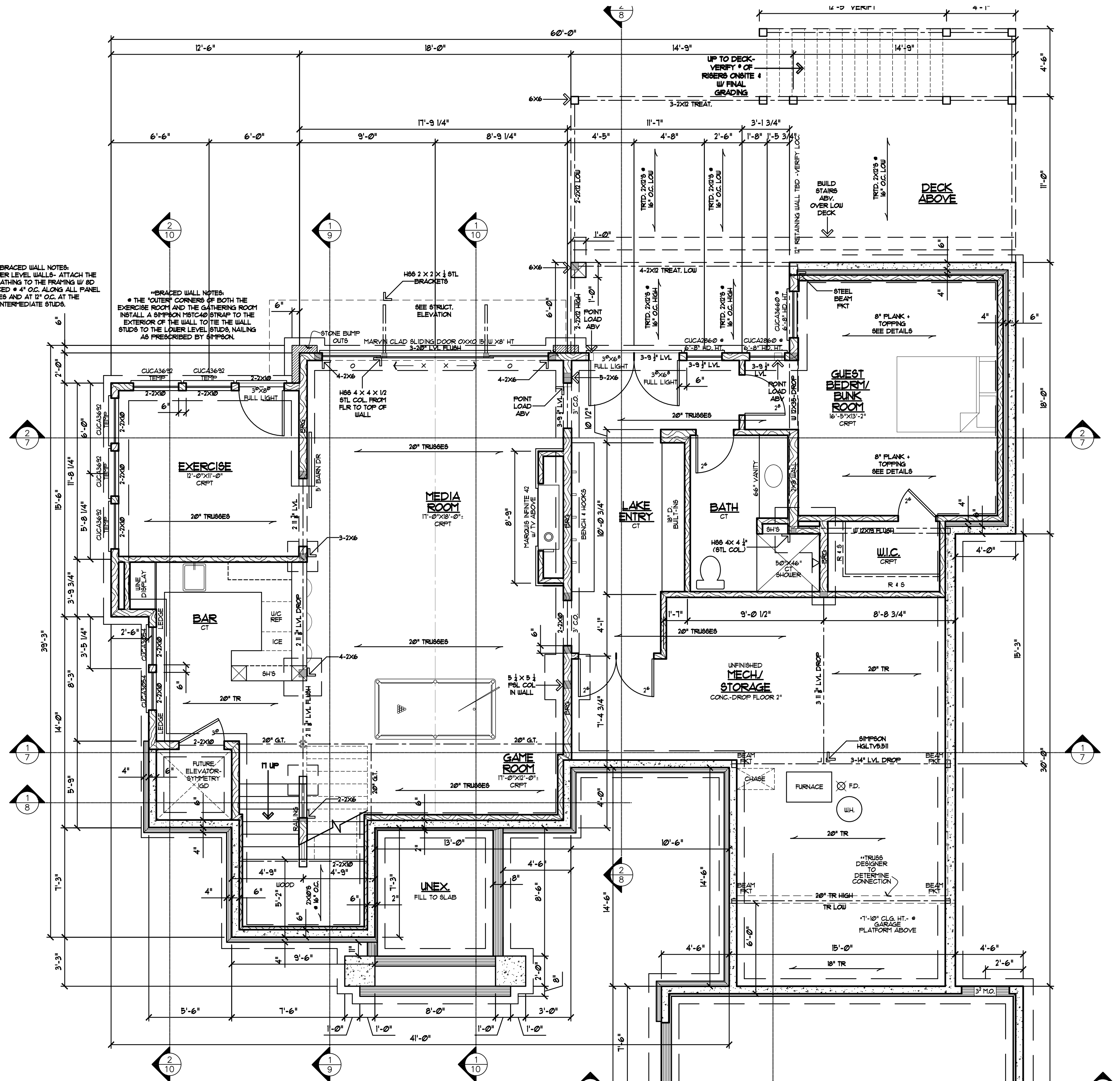


1
4 LOWER LEVEL FOUNDATION PLAN
SCALE: 1/4"=1'-0"



*BRACED WALL NOTES:
• THE LOWER LEVEL WALLS - ATTACH THE WALL SHEATHING TO THE FRAMING W/ 8D NAILS SPACED @ 4" O.C. ALONG ALL PANEL EDGES AND AT 12" O.C. AT THE INTERMEDIATE STUDS.

*THE "OUTER" CORNERS OF BOTH THE EXERCISE ROOM AND THE GATHERING ROOM - INSTALL A SHIMSON POST/STRAP TO THE EXTERIOR OF THE WALL TO TIE THE WALL STUDS TO THE LOWER LEVEL STUDS, NAILING AS PRESCRIBED BY SHIMSON.



MARVIN ULTIMATE WINDOW CODES (UNLESS NOTED OTHERWISE)

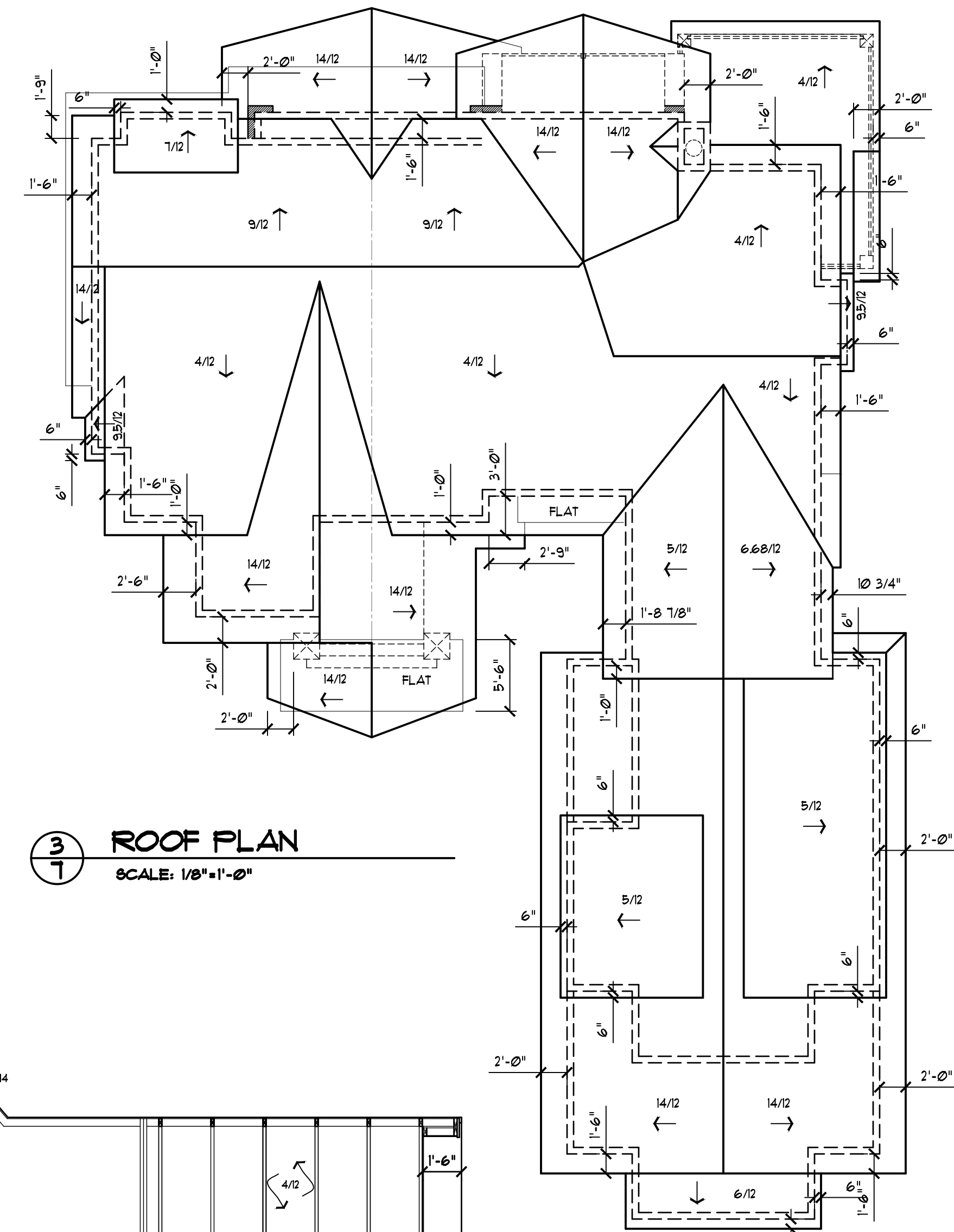
NOTE - ALL WINDOW & DOOR HEAD HGTs. TO BE SET AT 8'-0" AT LWR. LEVEL UNLESS NOTED OTHERWISE

SQUARE FOOTAGE	
MAIN -	1526#
UPPER -	263#
FIN LOWER -	529#
TOTAL (FIN) -	561#

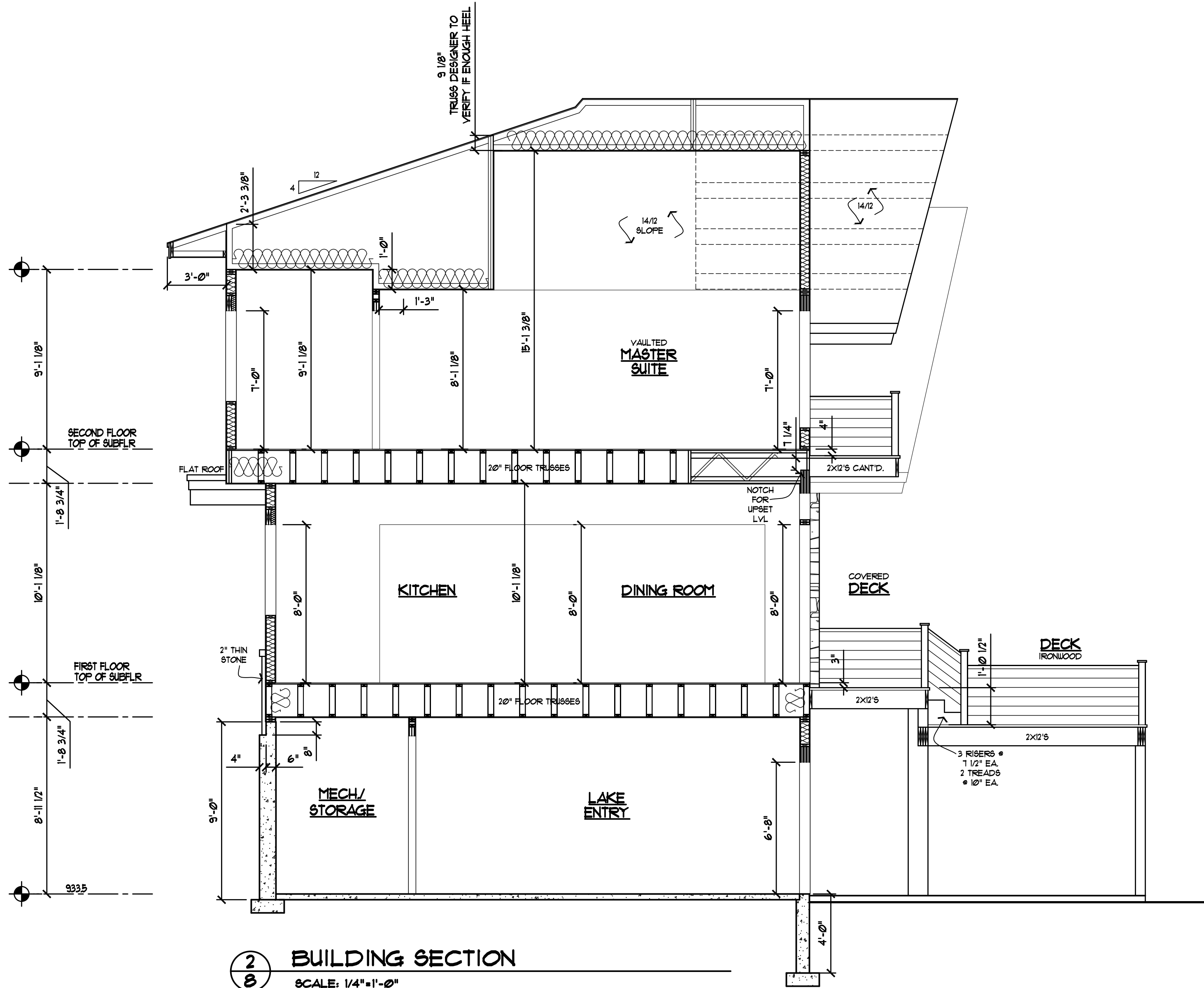


NOTE - ALL WINDOW & DOOR HEAD HGTs. TO BE SET AT 7'-0" AT UPR LEVEL UNLESS NOTED OTHERWISE

SQUARE FOOTAGE	
MAIN -	1926*
UPPER -	2163*
FIN. LOWER -	1529*
TOTAL (FIN.) -	5618*



*NOTE:STRUCTURE IS FOR REFERENCE ONLY
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EXTERIOR STUD OFFSET FROM FOUNDATION 1-1/4" OF FACE OF FOUNDATION WHERE EXTERIOR FOUNDATION INSULATION IS APPLIED, EXCEPT WHERE NOTED.
ALL DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DRAWINGS.
ALL DIMENSIONS & CONDITIONS TO BE VERIFIED BY GENERAL CONTRACTOR.
ALL STRUCTURAL COMPONENTS & CONNECTIONS TO BE ENGINEERED BY SUPPLIER.
ALL WDW HEADERS TO BE 2-2X10 UNLESS OTHERWISE NOTED.
ALL WOOD ABUTTING CONCRETE TO BE TREATED. VERIFY ANGLES WITH FLOORPLANS (45° UNLESS OTHERWISE NOTED).
CONSTRUCTION SHOULD BE PERFORMED TO CURRENT STATE OF MINNESOTA BUILDING & ENERGY CODES AND TO LOCAL INDUSTRY STANDARDS & STANDARD INDUSTRY PRACTICES.
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ALL STUCCO SHALL BE INSTALLED PER MINNESOTA LATH AND PLASTER BUREAU GUIDELINES.
ALL WEATHER RESISTIVE BARRIERS SHALL BE INSTALLED PER IRC SEC. R103.2 AS AMENDED BY THE STATE OF MINNESOTA RULES SECTION 1309.0101.

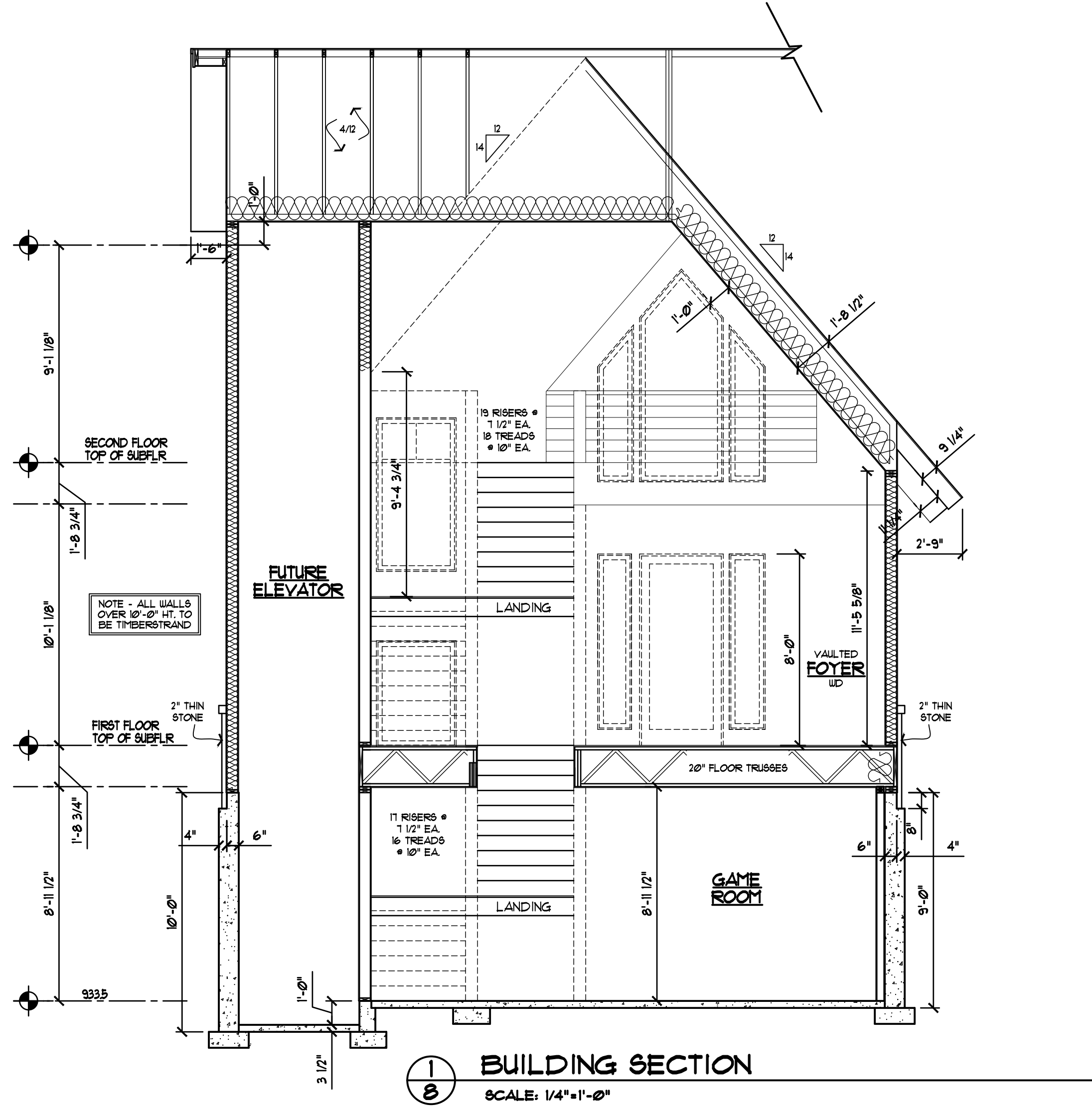
ASPHALT SHINGLES - PER MANF. INSTALL REQUIREMENTS.
FELT PAPER w/ ICE & WATER SHIELD.
5/8" OSB ROOF SHEATHING.
WOOD TRUSSES @ 24" O.C. - ENGINEERED BY SUPPLIER.
BAFFLE @ EACH TRUSS SPACE.
R-49 BLOW-IN INSULATION.
POLY VAPOR BARRIER - 6 MIL.
5/8" GYP. BD. CEILING.

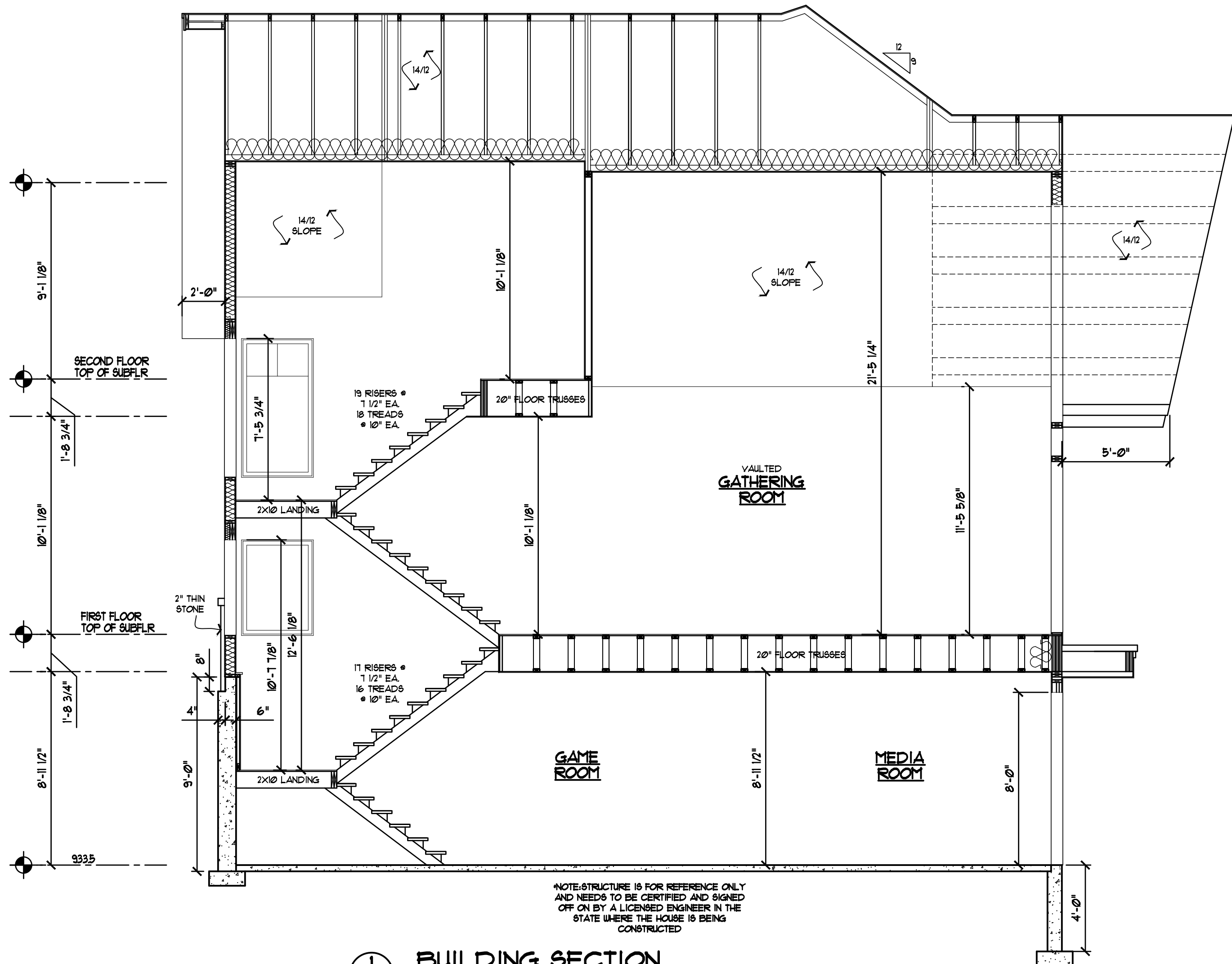
SOFFIT/FASCIA CONSTRUCTION:
ALL PRIME SOFFIT w/ CONT. VENTS.
5/4" x 10" ALL PRIME FASCIA BD
5/4" x 3" ALL PRIME TRIM BD

WALL CONSTRUCTION:
SIDING/STONE PER ELEVATIONS.
2 LAYERS GRADE "D" BUILDING PAPER.
1/2" FLYWOOD SHEATHING.
2X6 STUDS @ 16" O.C.
3" SPRAY "U" FOAM INSUL. & SEALER - R-20 MIN OR FIBER GLASS BATTS.
CONTINUOUS POLY VAPOR BARRIER - 6 MIL. - SEAL ALL SEAMS & PENETRATIONS
1/2" GYP. BD. - TAPED, SANDED, PAINTED

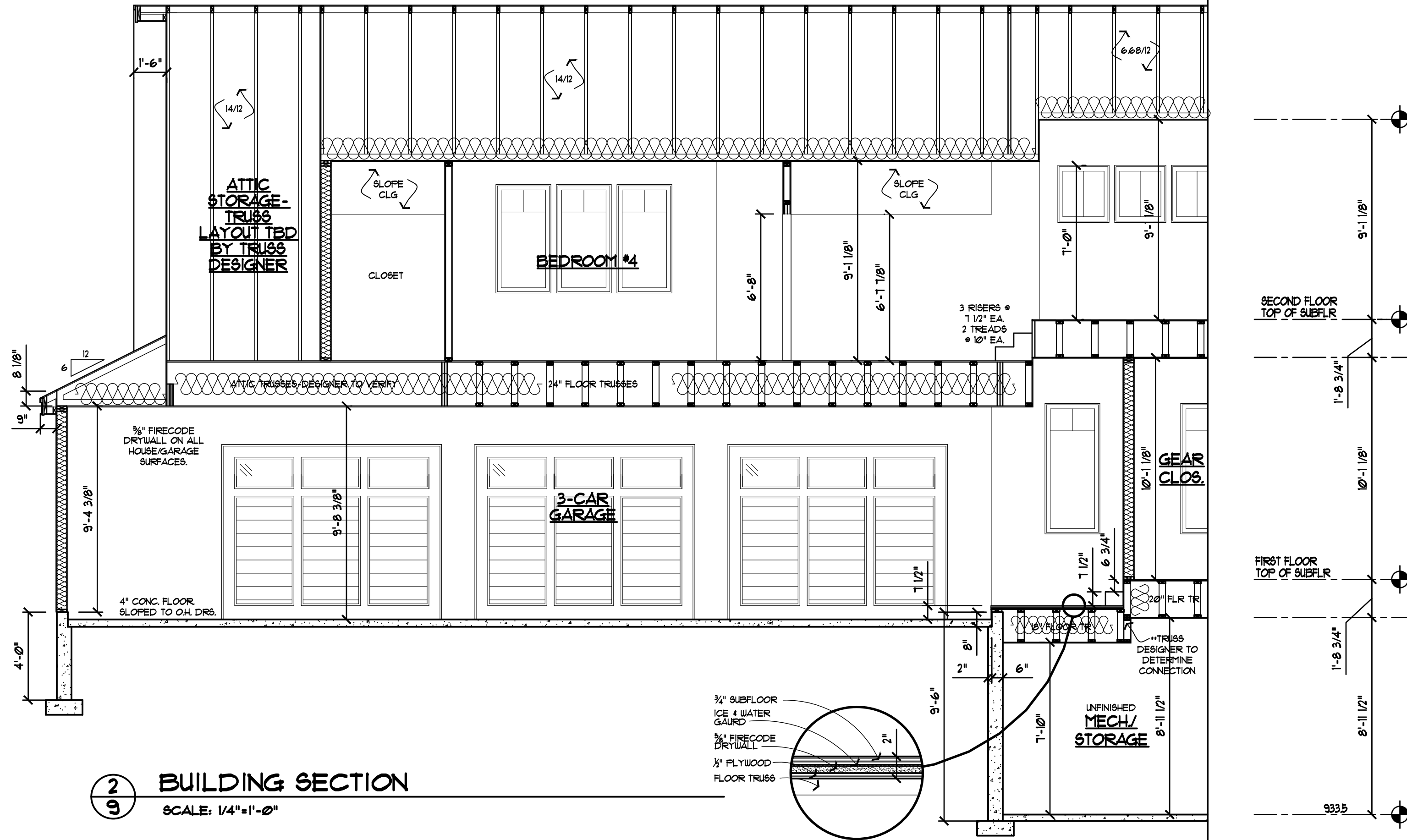
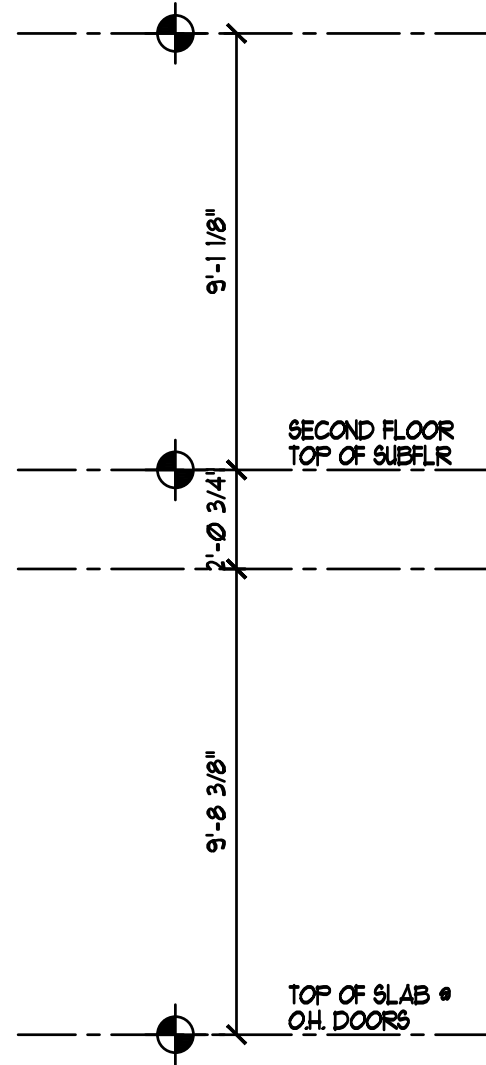
FLOOR CONSTRUCTION:
FINISHED FLOOR.
3/4" T. & G. FLYWOOD SUBFLOOR.
FLOOR TRUSSES (PER PLAN) @ 16" O.C. UNLESS OTHERWISE NOTED.
SPRAYED U-FOAM INSUL. @ R11 R-21.
5/8" GYP. BD. @ FINISHED AREAS.

FOUNDATION:
1/2" x 14" ANCHOR BOLTS @ 5' O.C.
2X6 TREATED SILL & SEALER.
8"U POURED CONC. WALLS MIN. - (SEE DETAILS & PLANS)
2X4 FURRING @ 16" O.C. - HOLD OUT 1/2" FROM CONC. - 2X4 TRIM SILL PLATE
R-15 INSUL. & SEALER OR EQUAL
8" x 16" CONC. FTG. w/ 2- #4'S CONT. MIN. - (SEE DETAILS & PLANS)
WATCHDOG WATERPROOFING OR EQUAL
3 1/2" CONC. SLAB
2" RIGID INSULATION
POLY VAPOR BARRIER
INTERIOR AND EXTERIOR DRAIN TILE TO SUMP BUCKET





1
9 BUILDING SECTION
SCALE: 1/4"=1'-0"



2
9 BUILDING SECTION
SCALE: 1/4"=1'-0"

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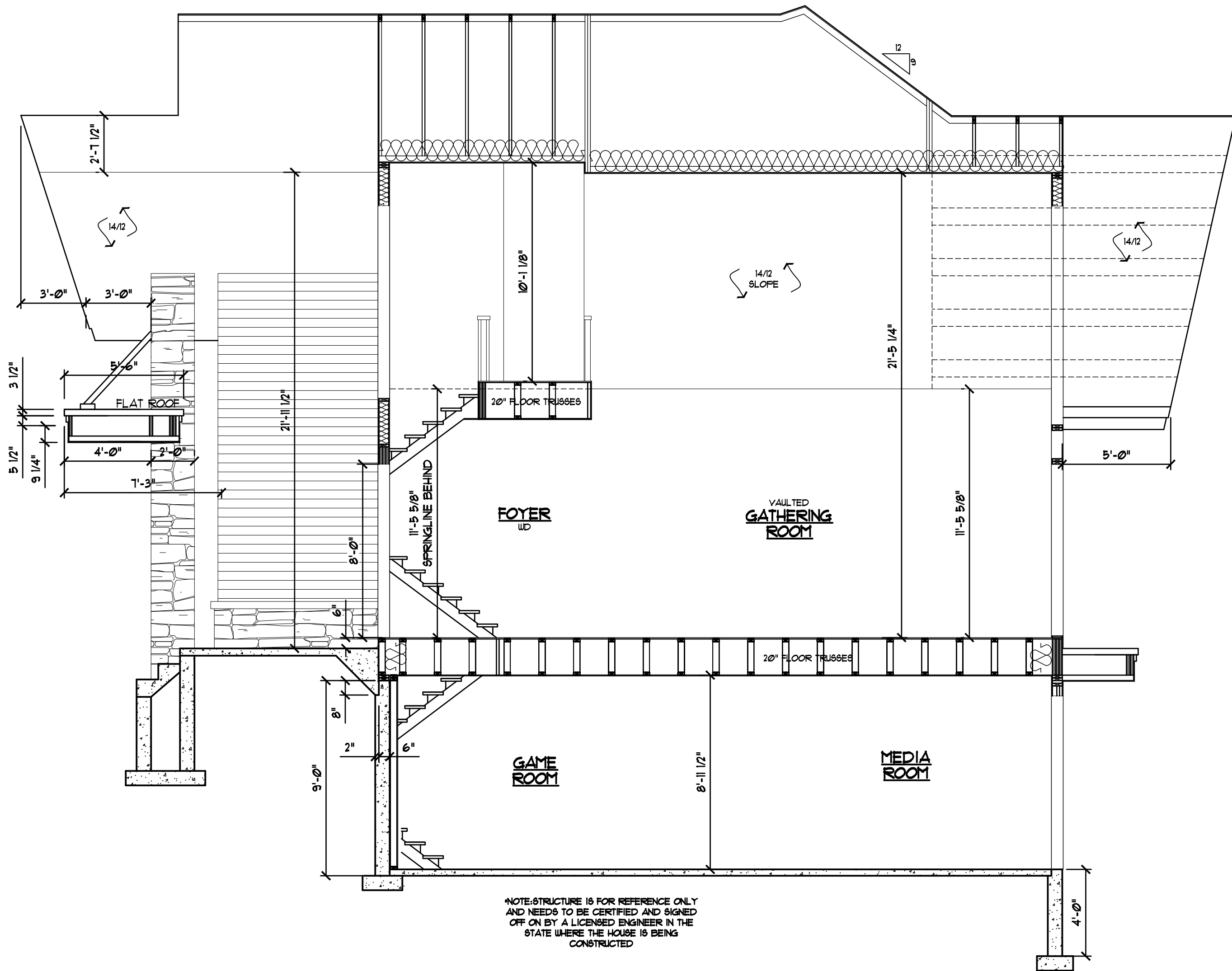
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FELT PAPER w/ ICE & WATER SHIELD.
5/8" OSB ROOF SHEATHING.
WOOD TRUSSES @ 24" O.C. - ENGINEERED BY SUPPLIER.
BAFFLE @ EACH TRUSS SPACE.
R-49 BLOW-IN INSULATION.
POLY VAPOR BARRIER - 6 MIL.
5/8" GYP. BD. CEILING.

SOFFIT/FASCIA CONSTRUCTION:
ALL PRIME SOFFIT w/ CONT. VENTS.
5/4" x 10" ALL PRIME FASCIA BD
5/4" x 3" ALL PRIME TRIM BD

WALL CONSTRUCTION:
SIDING/STONE PER ELEVATIONS.
2 LAYERS GRADE "D" BUILDING PAPER.
1/2" PLYWOOD SHEATHING.
2X6 STUDS @ 16" O.C.
3" SPRAY "N" FOAM INSUL & SEALER - R-20 MIN OR FIBER GLASS BATTS.
CONTINUOUS POLY VAPOR BARRIER - 6 MIL. - SEAL ALL SEAMS & PENETRATIONS
1/2" GYP. BD. - TAPED, SANDED, PAINTED

FLOOR CONSTRUCTION:
FINISHED FLOOR.
3/4" T. & G. PLYWOOD SUBFLOOR.
FLOOR TRUSSES (PER PLAN) @ 16" O.C. UNLESS OTHERWISE NOTED.
SPRAYED U-FOAM INSUL. @ R11 R-21.
5/8" GYP. BD. @ FINISHED AREAS.

FOUNDATION:
1/2" x 14" ANCHOR BOLTS @ 5' O.C.
2X6 TREATED SILL & SEALER.
8"U POURED CONC. WALLS MIN. - (SEE DETAILS & PLANS)
2X4 FLOORING @ 16" O.C. - HOLD OUT 1/2" FROM CONC. - 2X4 TRIM SILL PLATE.
R-15 INSUL & SEALER OR EQUAL.
8" x 16" CONC. FTG. w/ 2- #4'S CONT. MIN. - (SEE DETAILS & PLANS)
WATCHDOG WATERPROOFING OR EQUAL.
3 1/2" CONC. SLAB.
2" RIGID INSULATION.
POLY VAPOR BARRIER.
INTERIOR AND EXTERIOR DRAIN TILE TO SUMP BUCKET.



1
10 **BUILDING SECTION**
SCALE: 1/4"=1'-0"

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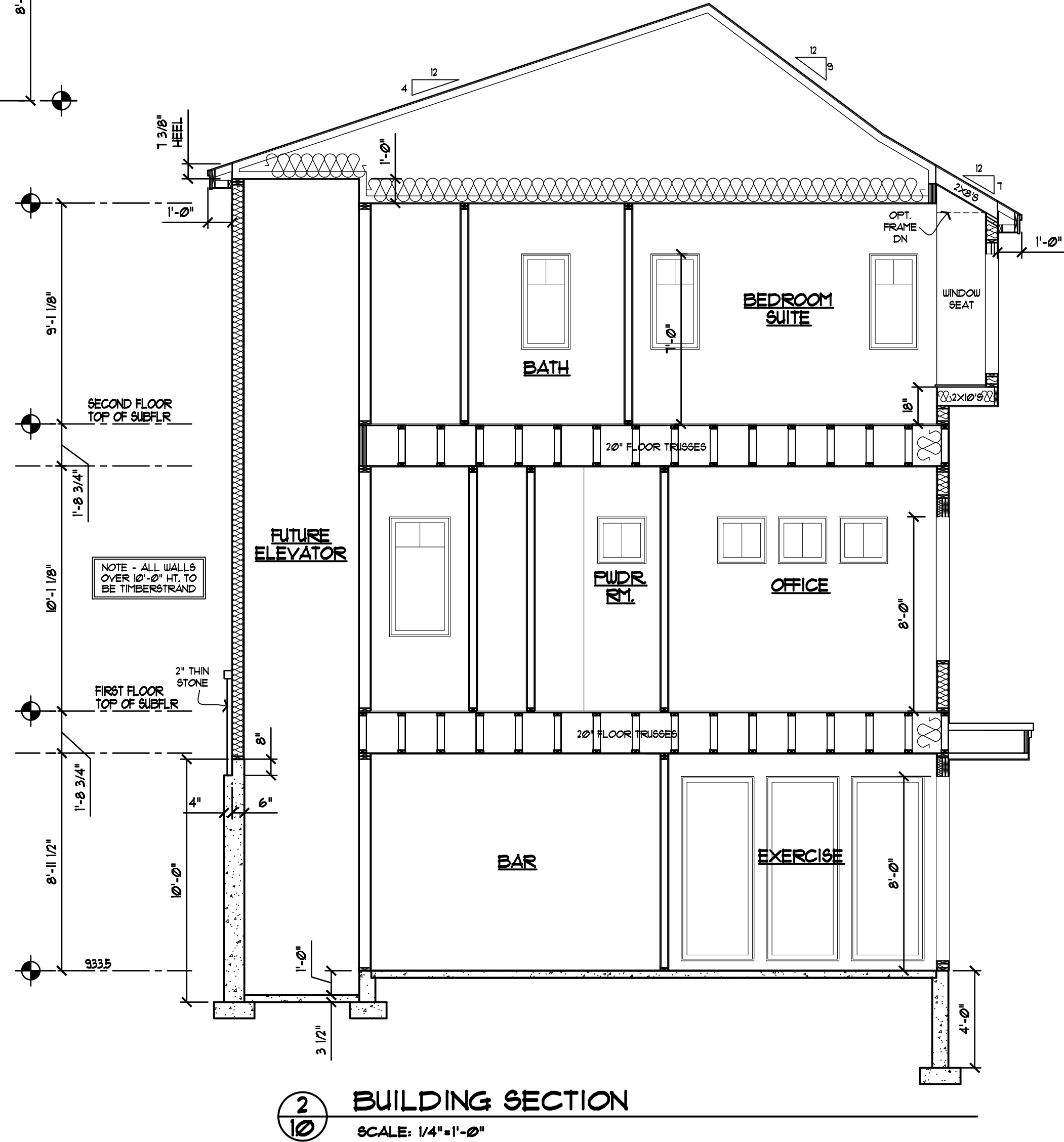
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5/8" OSB ROOF SHEATHING.
WOOD TRUSSES @ 24" O.C. - ENGINEERED BY SUPPLIER.
BAFFLE @ EACH TRUSS SPACE.
R-49 BLOW-IN INSULATION.
POLY VAPOR BARRIER - 6 MIL.
5/8" GYP. BD. CEILING.

SOFFIT/FASCIA CONSTRUCTION:
ALL PRIME SOFFIT w/ CONT. VENTS.
5/4" x 10" ALL PRIME FASCIA BD
5/4" x 3" ALL PRIME TRIM BD

WALL CONSTRUCTION:
SIDING/STONE PER ELEVATIONS.
2 LAYERS GRADE "D" BUILDING PAPER.
1/2" FLYWOOD SHEATHING.
2X6 STUDS @ 16" O.C.
3" SPRAY "R" FOAM INSUL & SEALER - R-20 MIN OR FIBER GLASS BATTS.
CONTINUOUS POLY VAPOR BARRIER - 6 MIL. - SEAL ALL SEAMS & PENETRATIONS
1/2" GYP. BD. - TAPED, SANDED, PAINTED

FLOOR CONSTRUCTION:
FINISHED FLOOR.
3/4" T. & G. FLYWOOD SUBFLOOR.
FLOOR TRUSSES (PER PLAN) @ 16" O.C. UNLESS OTHERWISE NOTED.
SPRAYED U-FOAM INSUL. @ R10 R-21.
5/8" GYP. BD. @ FINISHED AREAS.

FOUNDATION:
1/2" x 14" ANCHOR BOLTS @ 5' O.C.
2X6 TREATED SILL & SEALER.
8"U POURED CONC. WALLS MIN. - (SEE DETAILS & PLANS)
2X4 FURRING @ 16" O.C. - HOLD OUT 1/2" FROM CONC. - 2X4 TRIM SILL PLATE.
R-15 INSUL. & SEALER OR EQUAL.
8" x 16" CONC. FTG. w/ 2- 4" CONT. MIN. - (SEE DETAILS & PLANS)
WATCHDOG WATERPROOFING OR EQUAL.
3 1/2" CONC. SLAB.
2" RIGID INSULATION.
POLY VAPOR BARRIER.
INTERIOR AND EXTERIOR DRAIN TILE TO SUMP BUCKET.



2
10 **BUILDING SECTION**
SCALE: 1/4"=1'-0"