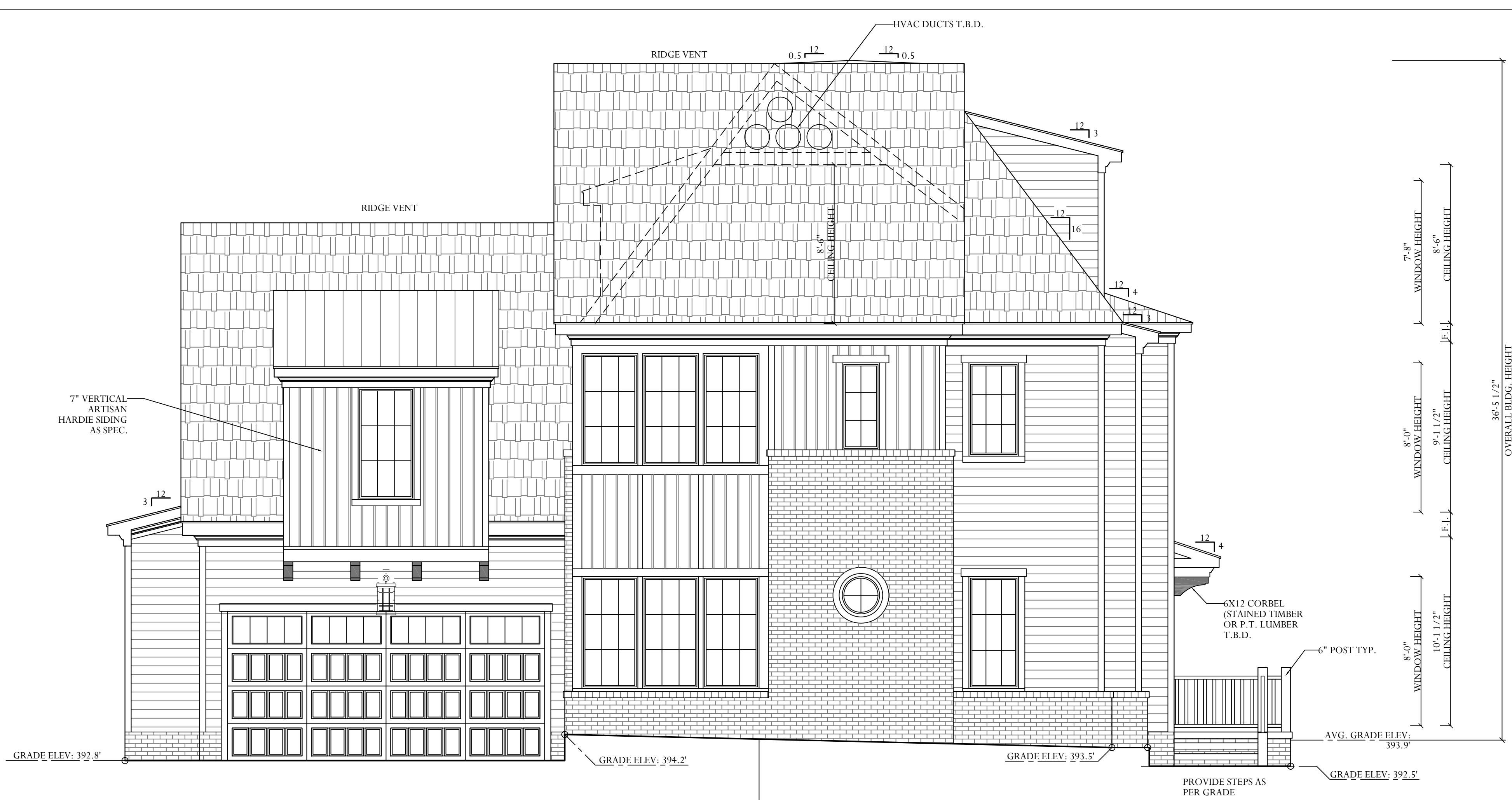
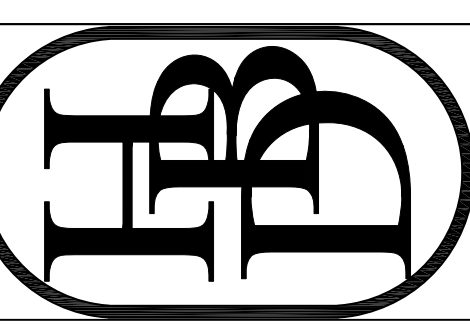




FRONT ELEVATION
SCALE = $\frac{1}{4}" = 1'-0"$



LEFT ELEVATION
SCALE = $\frac{1}{4}" = 1'-0"$



HOMES BY DICKERSON
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RALEIGH, NC 27612
919.847.4447

ORIGINAL CONCEPT BY
BILLY SMALL

LOT 7 - THE FOUNDING
3325 FOUNDING PLACE
RALEIGH, NC 27612

DRAWN BY NC
07/10/2025
REVISION DATE

SHEET NO.

1

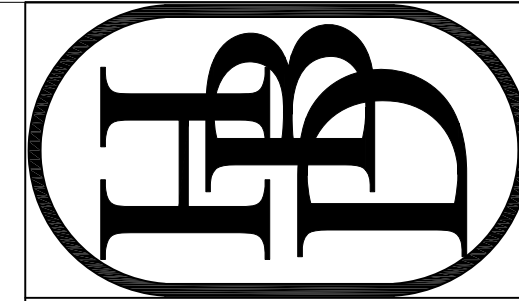
ELEVATION



RIGHT ELEVATION
SCALE = $\frac{1}{4}" = 1'-0"$



REAR ELEVATION
SCALE = $\frac{1}{4}" = 1'-0"$



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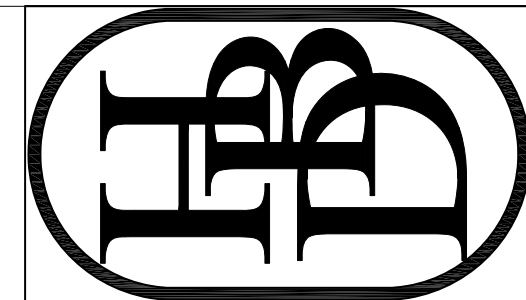
LOT 7 - THE FOUNDING
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ELEVATION



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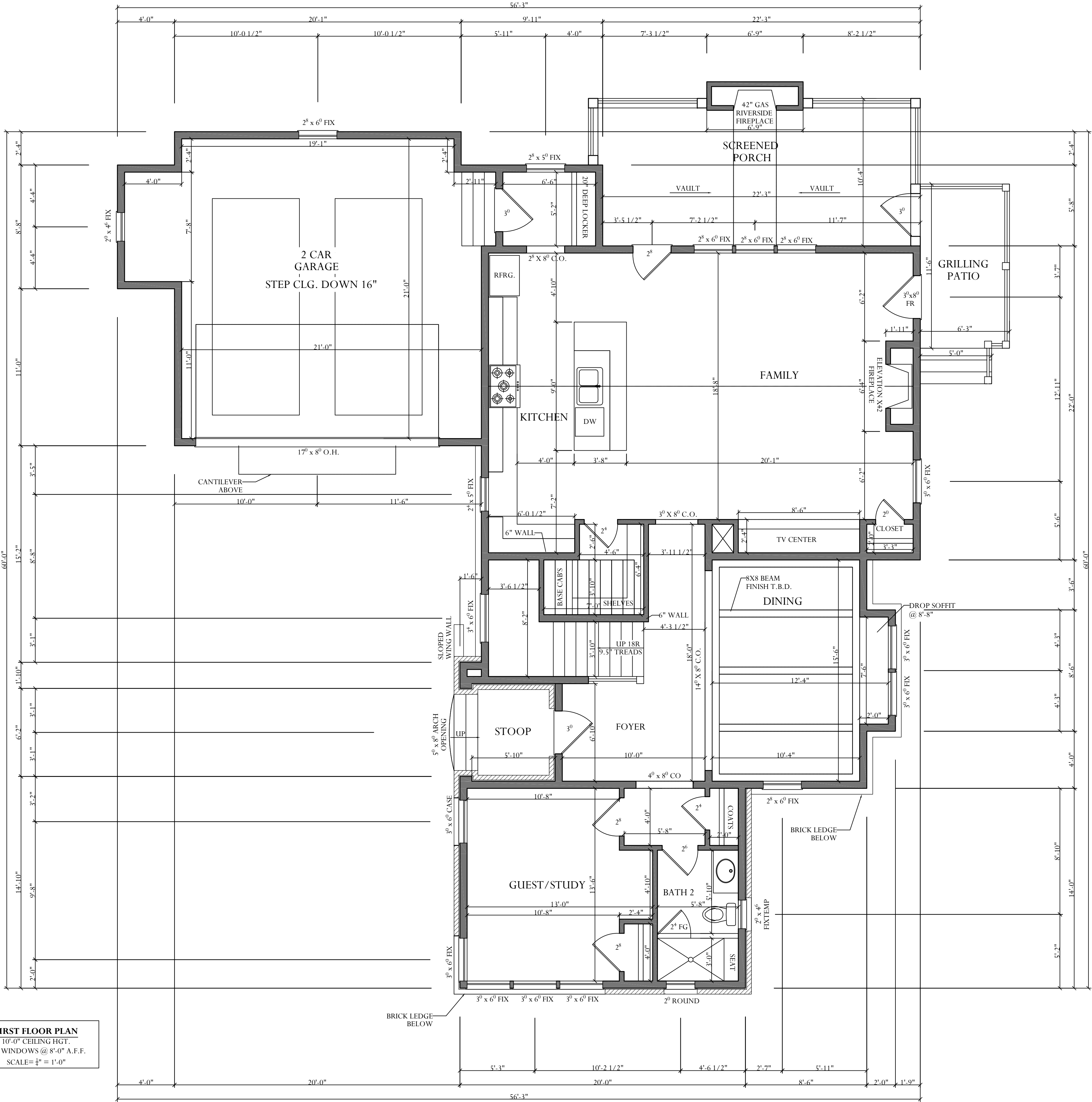
LOT 7 - THE FOUNDING
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REVISION DATE

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3

FLOOR PLAN



FIRST FLOOR PLAN
10'-0" CEILING HGT.
SET WINDOWS @ 8'-0" A.F.F.
SCALE= 1/4" = 1'-0"

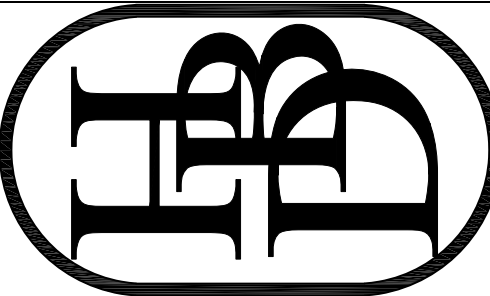
AREA CALCULATIONS

HEATED (SQ.FT.)		UNHEATED (SQ.FT.)	
1ST FLOOR	1413	GARAGE	510
SECOND FLOOR	1878	STOOP	48
THIRD FLOOR	429	SCREEN PORCH	242
		RAISED PATIO	72
		UNFINISHED STOR.	309
TOTAL	3720	TOTAL	1181

NOTES

- PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.
- ALL ANGLED WALLS ARE 45° UNLESS NOTED OTHERWISE.
- FINISH DOOR AND WINDOW HEADS SHALL ALIGN EXCEPT AS NOTED.
- ALL MATERIALS AND COMPONENTS MUST BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- GRADES SHOWN ARE ILLUSTRATIVE, NATURAL GRADE WILL DETERMINE FINISH GRADE.
- FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.
- VERIFY ALL WINDOW SIZES, RADIUS AND DETAILS WITH CHOSEN MANUFACTURER.
- ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS REQUIREMENTS.
- TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS.
- ALL WINDOW GLAZING TO HAVE 0.35 U-FACTOR MIN.
- ALL CABINET DESIGNS/LAYOUTS TO BE VERIFIED WITH SHOP DRAWINGS FROM CABINET MANUFACTURER.
- PER 2018 N.C. RESIDENTIAL BUILDING CODE TABLE R302.6: SHEETROCK ON GARAGE CEILING TO BE 5/8" TYPE "X".

SECOND FLOOR PLAN
9'-0" CEILING HGT.
SET WINDOWS @ 8'-0" A.F.F.
SCALE=1/4" = 1'-0"



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LOT 7 - THE FOUNDING
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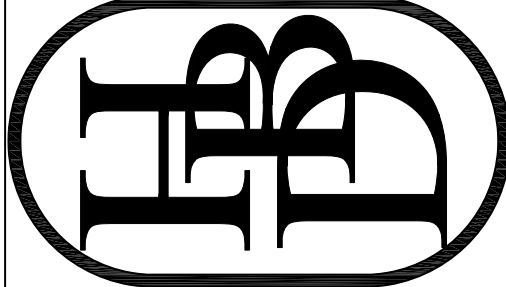
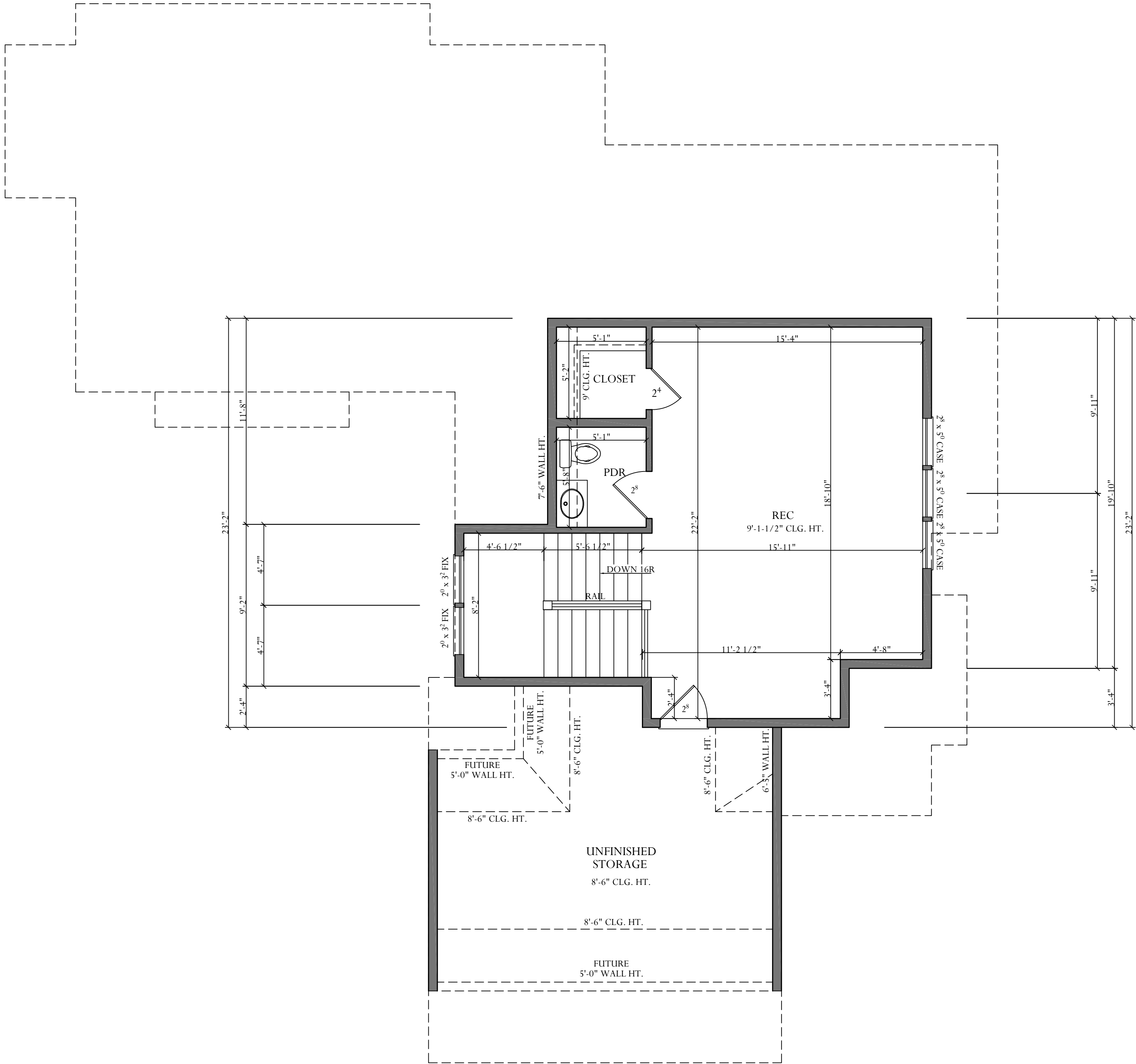
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REVISION DATE

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4

FLOOR PLAN

THIRD FLOOR PLAN
9'-0" CEILING HGT.
SET WINDOWS @ 7'-8" A.F.F.
SCALE= $\frac{1}{4}" = 1'-0"$



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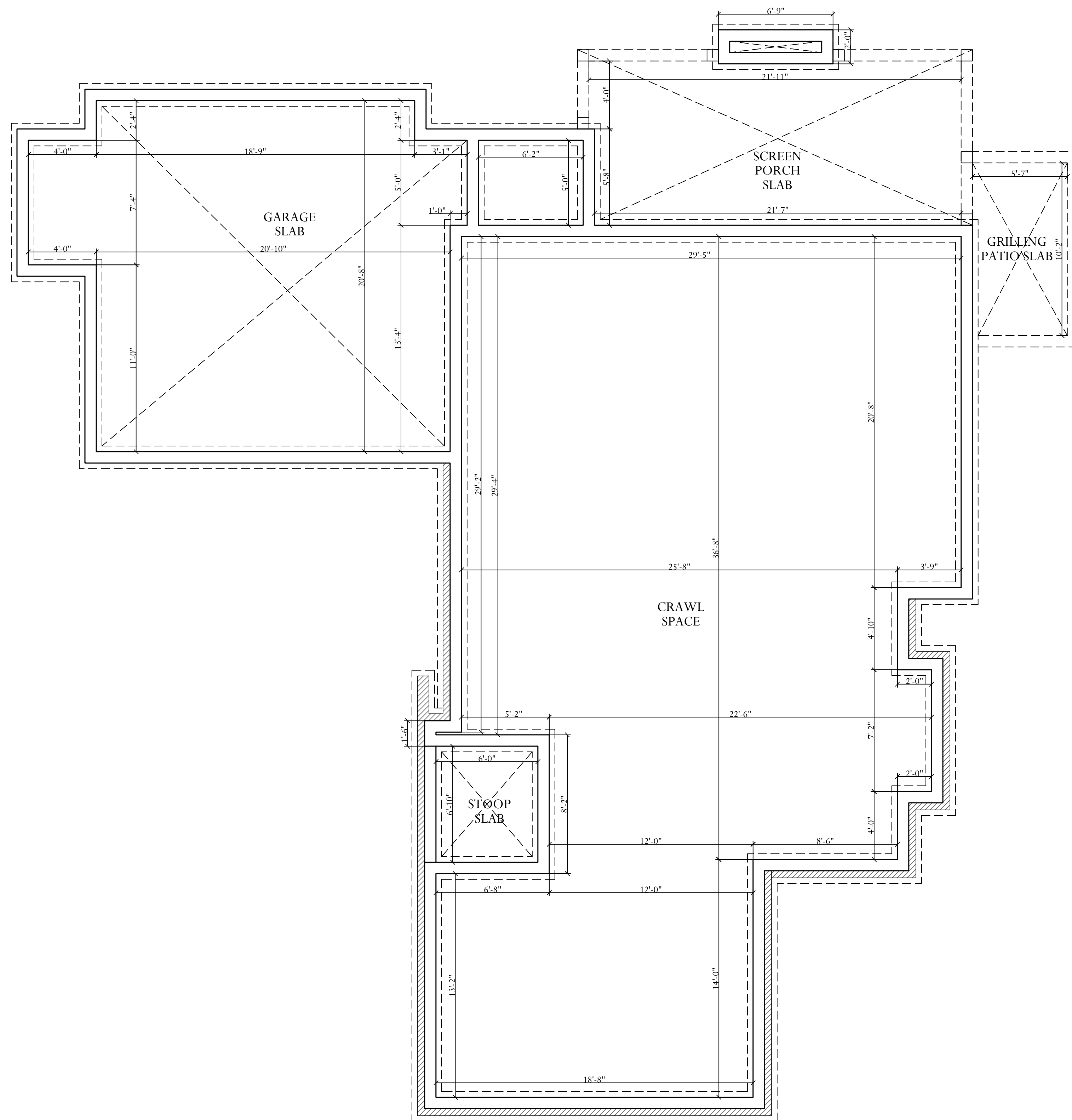
LOT 7 - THE FOUNDING
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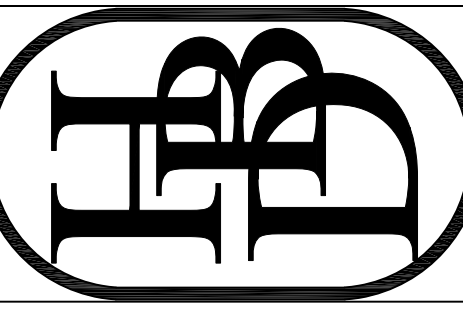
5

FLOOR PLAN



FOUNDATION PLAN

SCALE = $\frac{1}{4}$ " = 1'-0"



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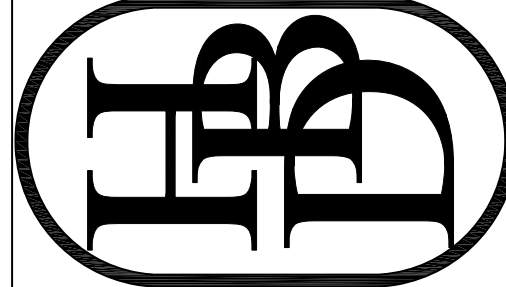
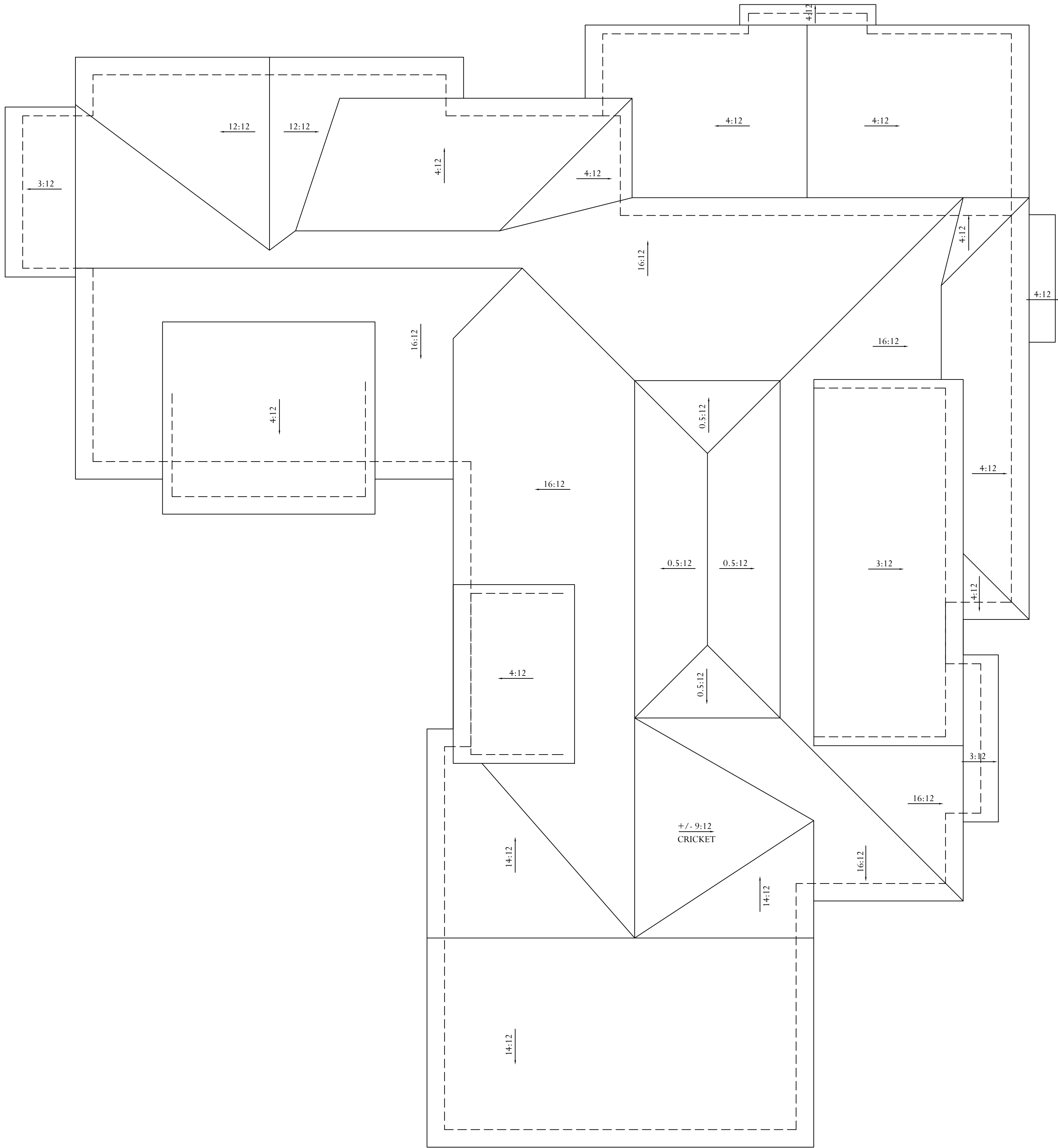
SHEET NO.

1

STRUCTURAL

ROOF PLAN

SCALE= $\frac{1}{4}" = 1'-0"$



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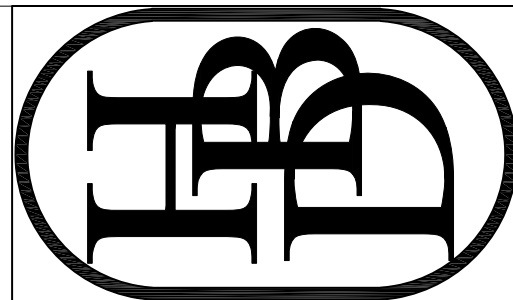
LOT 7 - THE FOUNDING
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REVISION DATE

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2

STRUCTURAL



HOMES BY DICKERSON
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ORIGINAL CONCEPT BY
BILLY SMALL

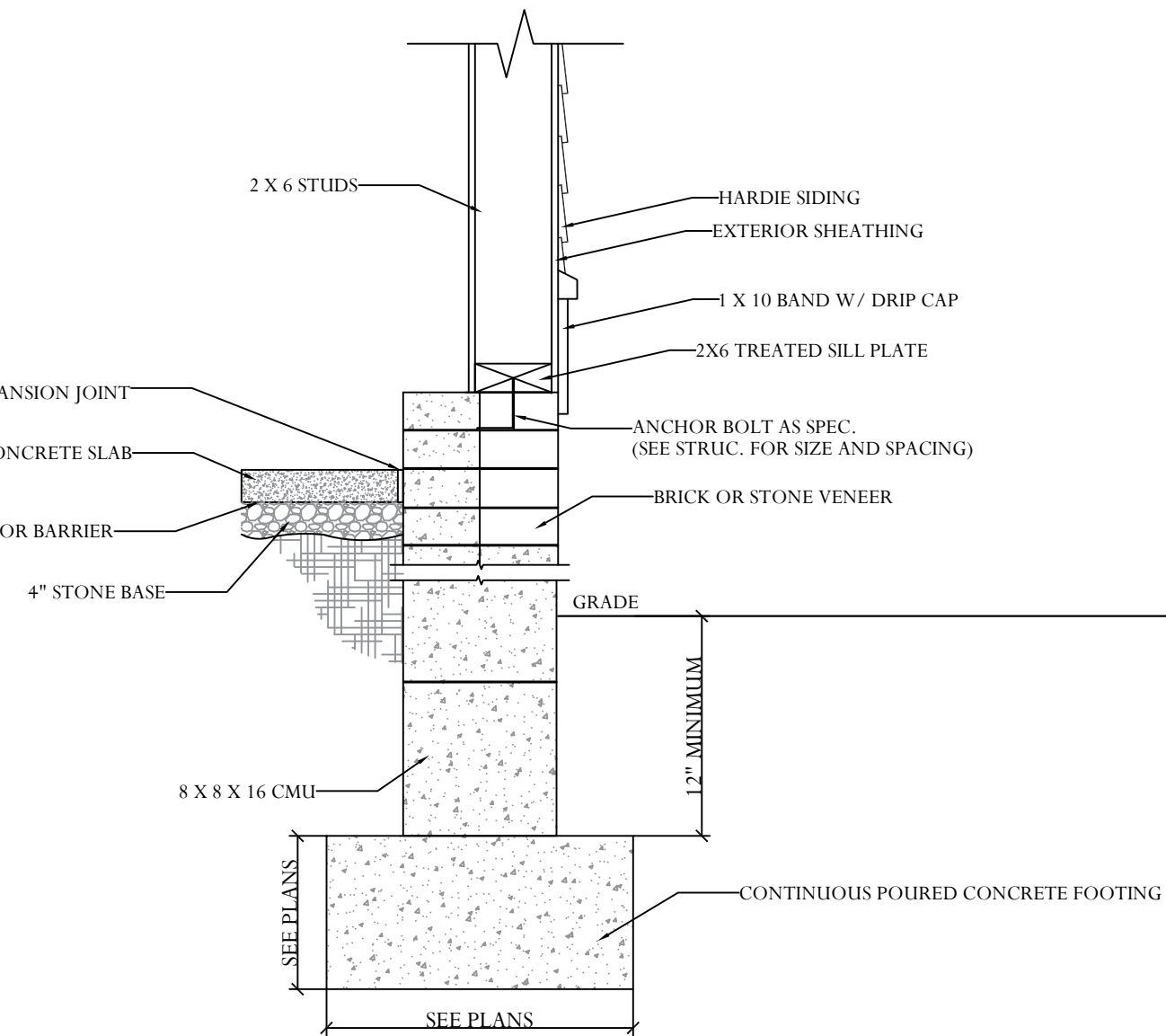
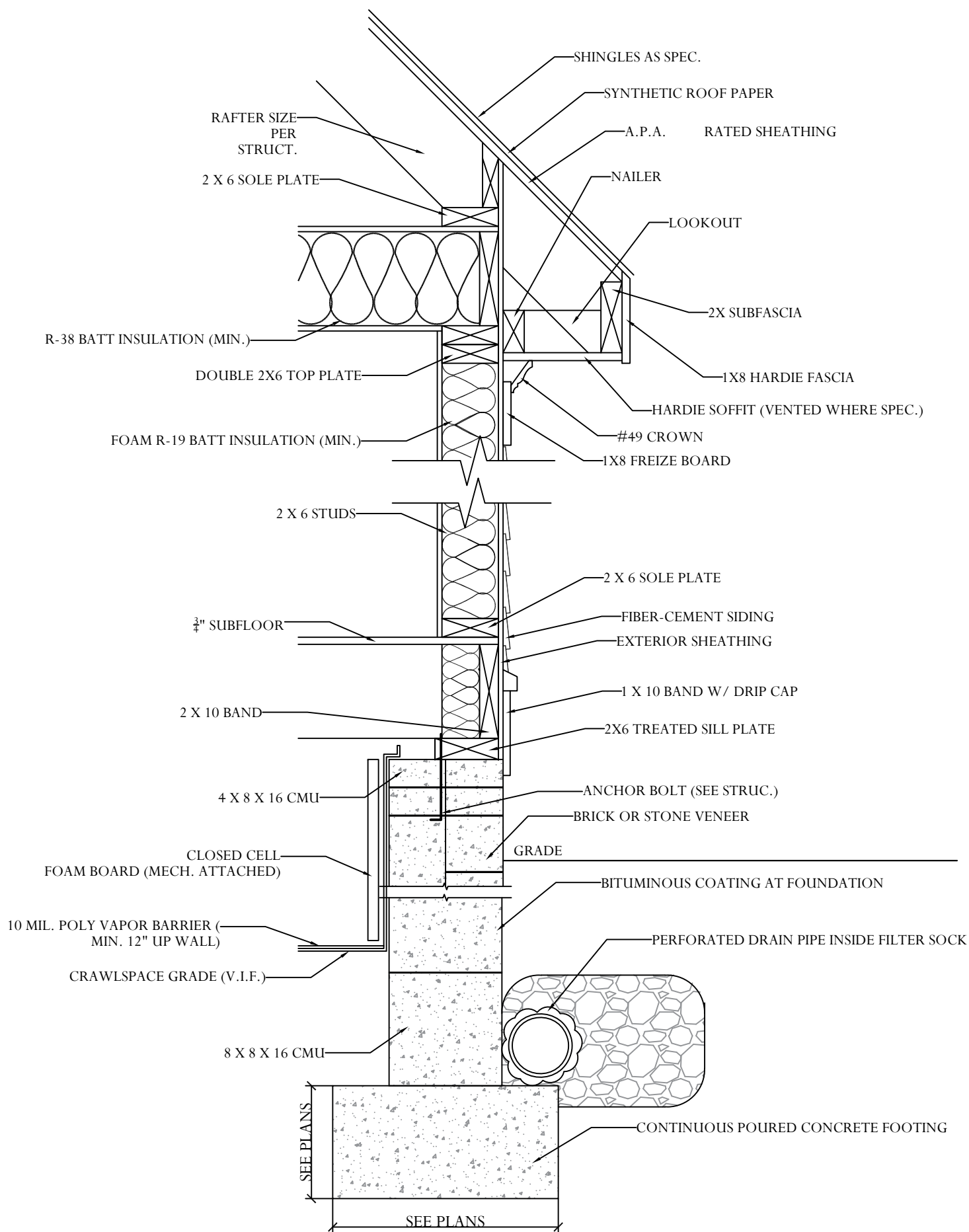
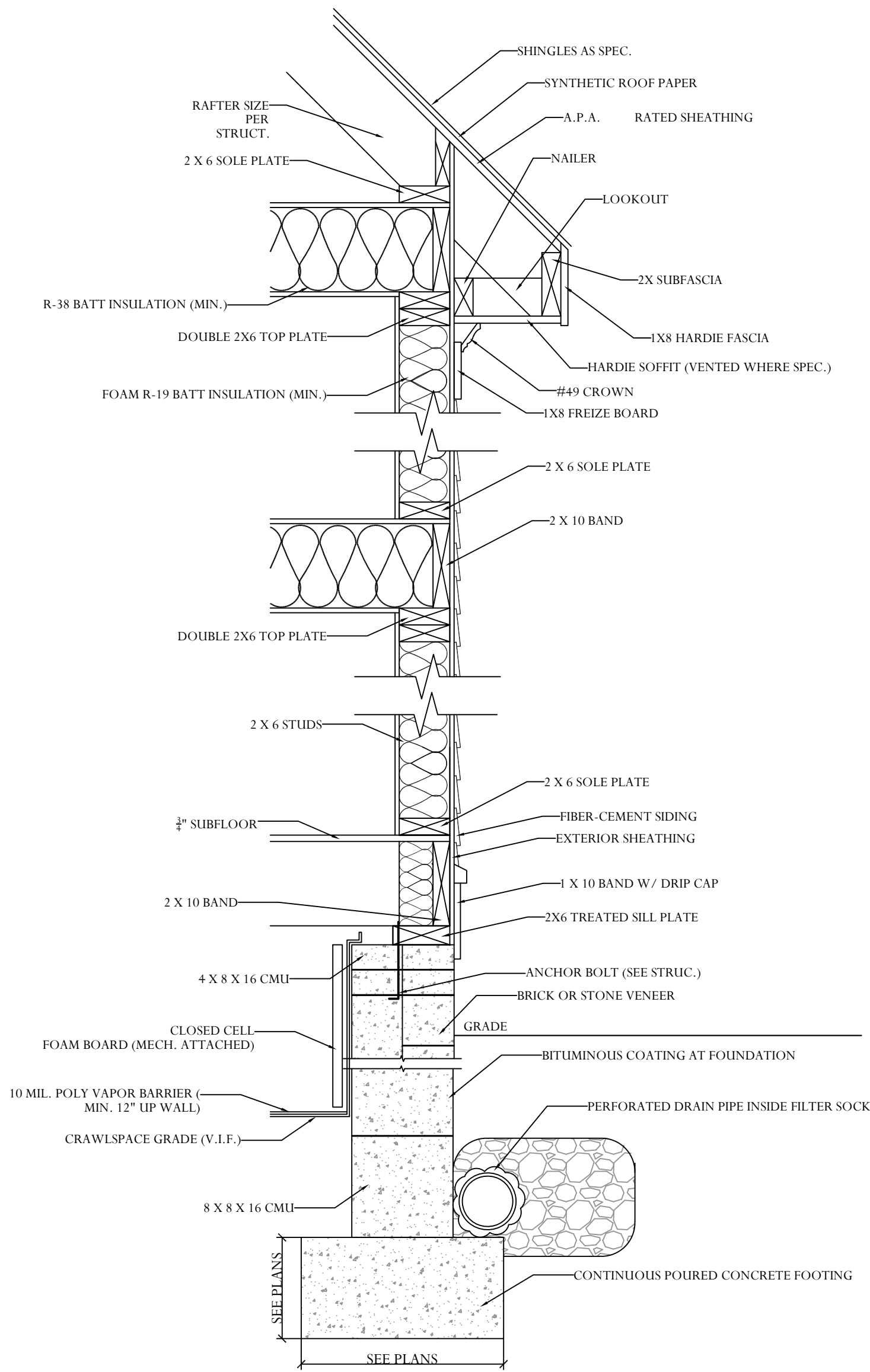
LOT 7 - THE FOUNDING
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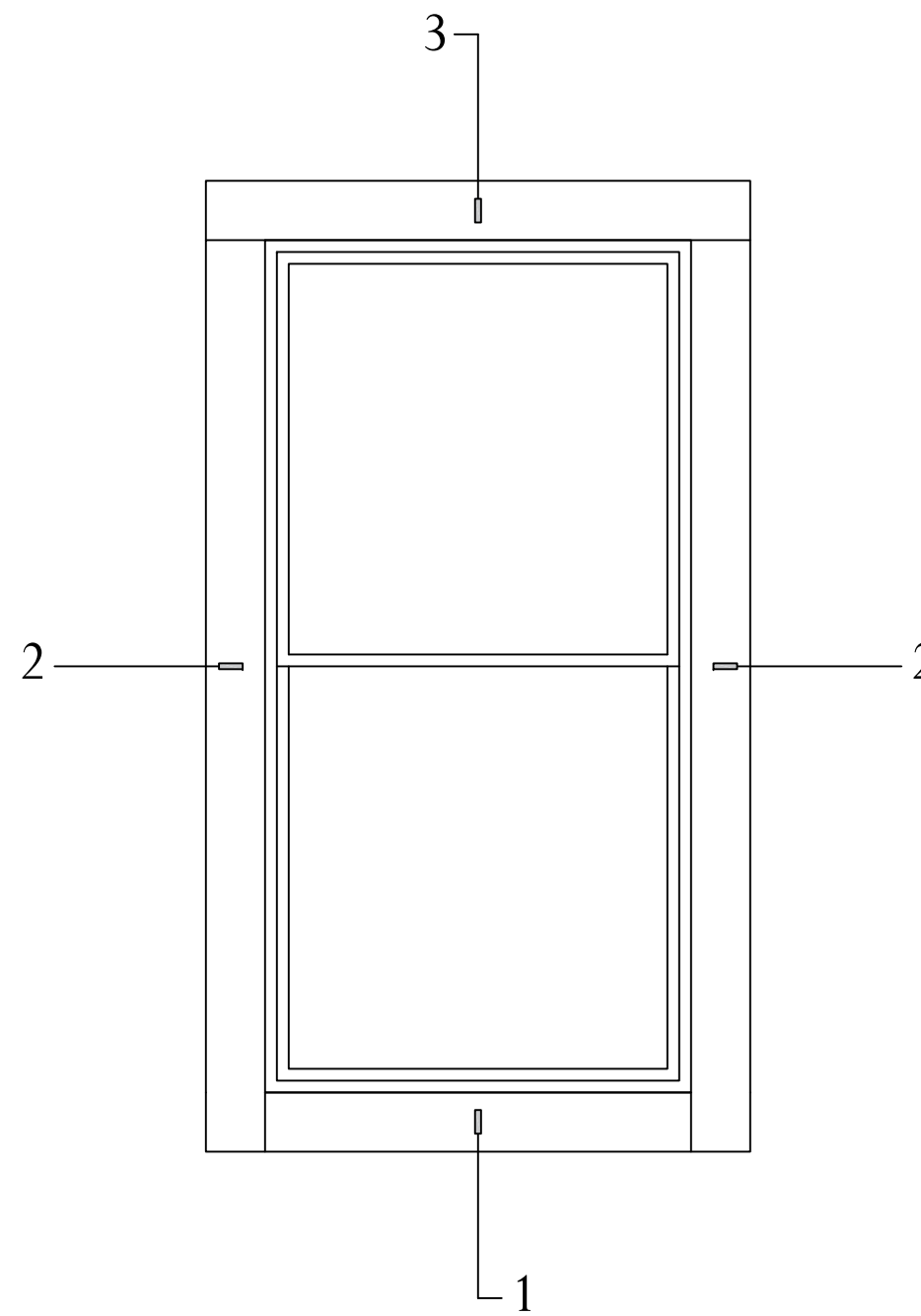
SHEET NO.

6

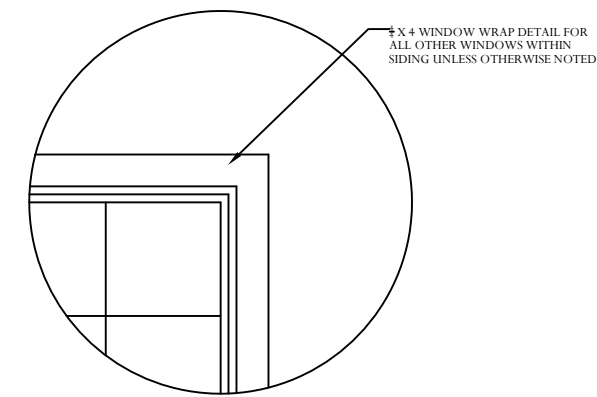
DETAILS



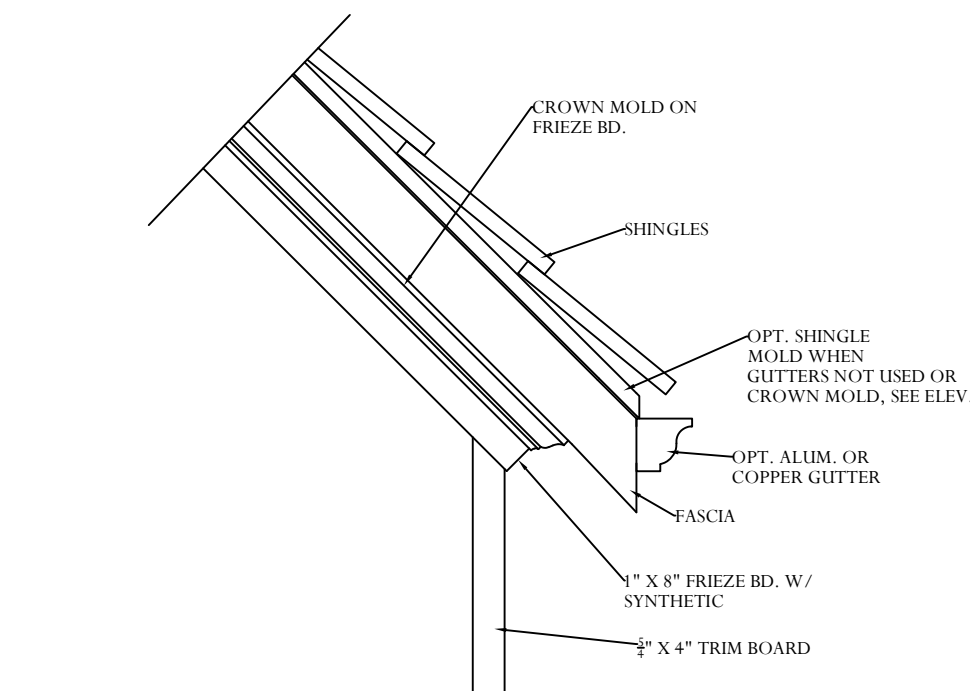
3 GARAGE WALL W/ SIDING
DESIGNED FOR 115MPH WINDS



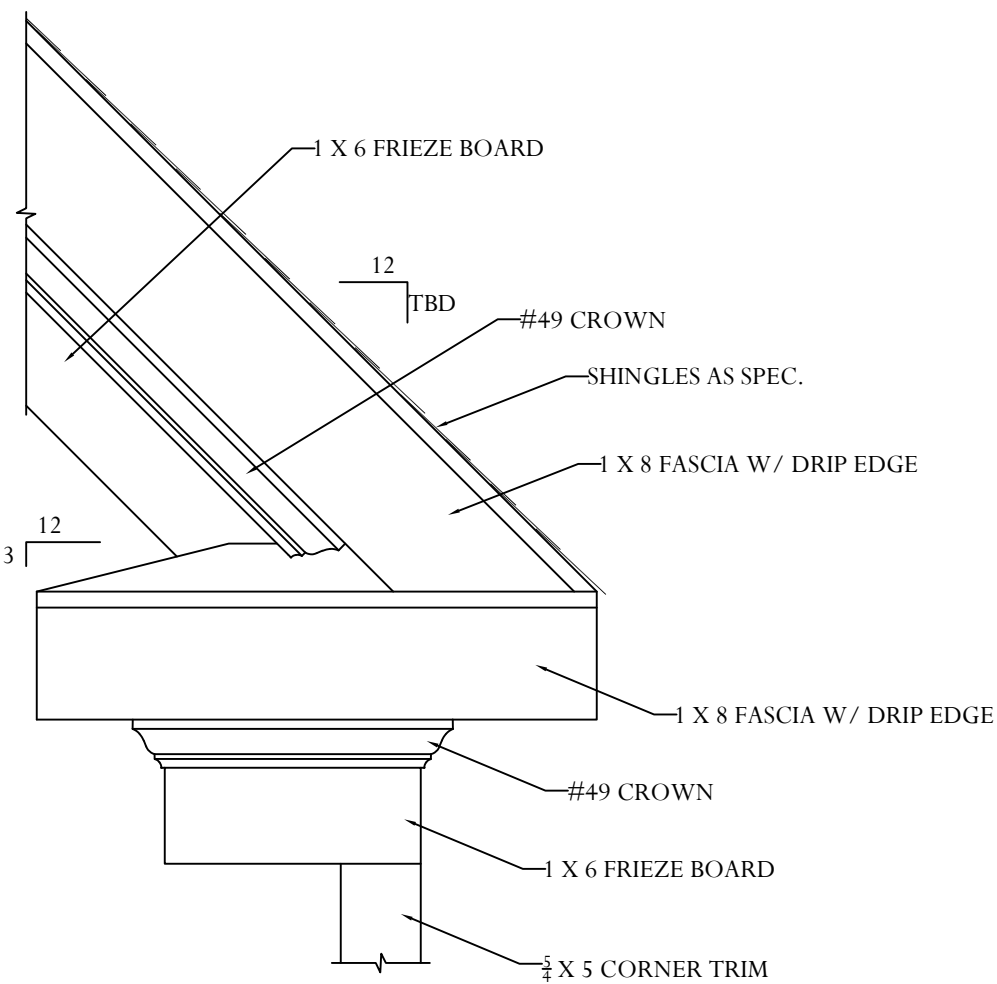
7 WINDOW TAPE DETAIL
NO SCALE



6 TYP. STAIR DETAIL @ $\frac{3}{4}$ " = 1'-0"



5 OPEN EAVE RETURN DETAIL
SCALE: $\frac{3}{4}$ " = 1'-0"



4 CORNICE RETURN DETAIL
SCALE: 1" = 1'-0"

FOUNDATION VENT CALCS.

$$\frac{1413 \text{ SQ. FT.}}{150} = 9.42 \text{ SQ. FT. VENT REQ'D.}$$

$$\frac{9.42 \text{ SQ. FT.}}{.56} = 17 \text{ VENTS TO BE PROVIDED}$$

NOTE: FIGURE BASED ON SECTION R-409 OF THE 2018 IRC.
NOTE: FND VENT SPECS BASED ON PUSH/PULL
POLYPROPYLENE FND.
VENT THAT ALLOWS 72 SQ.IN. OF NET FREE AREA PER
VENT

- WHERE CONTINUOUS OPERATED MECHANICAL
VENTILATION IS PROVIDED AT A RATE OF 1.0 CFM FOR
EACH 50 SQ.FT. OF CRAWL SPACE.
- THE CRAWL SPACE IS SUPPLIED WITH CONDITIONED AIR
AND THE PERIMETER WALLS ARE INSULATED IN
ACCORDANCE WITH SECTION R409 OF THE 2018 IRC.
- BUILDER/OWNER TO VERIFY VENT SIZE AND
REQUIREMENTS PRIOR TO CONSTRUCTION. SEE SECTION
R409 OF THE 2018 IRC.

ROOF VENTILATING REQUIREMENTS

$$\frac{1423 \text{ SQ. FT.}}{150} = 12.82 \text{ SQ. FT. OF TOTAL ROOF VENTILATION REQ'D}$$

$$156'-6" \text{ (LINEAR FT. OF SOFFIT)} \times .035 \text{ (NET FREE AREA PER FT.)} = 5.5 \text{ SQ. FT. OF AVAILABLE SOFFIT VENT}$$

$$70'-6" \text{ (LINEAR FT. OF RIDGE VENT)} \times .125 = 8.8$$

$$5.5 + 8.8 = 14.3, \text{ WHICH MUST BE } > \text{ OR } = 12.82$$

NOTE: FIGURE BASED ON SECTION R-806 OF THE 2018 IRC.
NOTE: - SOFFIT VENT SPECS BASED ON HARDISOFFIT PANELS THAT
ALLOWS 5 SQ. IN. OF NET FREE AREA PER LINEAR FT.
- RIDGE VENT SPEC BASED ON VENTURIVENT PLES THAT ALLOWS
18 SQ. IN. OF NET FREE AREA PER LINEAR FT

TOTAL NET FREE VENTILATING AREA IS PERMITTED TO BE REDUCED TO 1
TO 300:

- PROVIDED AT LEAST 50% AND NOT MORE THAN 80% OF THE
REQ'D VENTILATING AREA IS PROVIDED BY VENTILATORS.
REFERENCE R806.2 OF THE 2018 IRC. FOR PROPER LOCATION.
- WHEN AN APPROVED VAPOR BARRIER HAVING A TRANSMISSION
RATE NOT EXCEEDING 1 PERM IS INSTALLED ON THE WARM SIDE
OF THE CEILING

MEAN ROOF	UP TO 30'	30'-1" - 35'	35'-1" - 40'	40'-1" - 45'
ZONE 1	16.5, -18.0	17.3, -18.9	18.0, -19.6	18.5, -20.2
ZONE 2	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 3	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3	20.2, -21.8
ZONE 5	18.0, -24.1	18.9, -25.3	19.6, -26.3	20.2, -27.0

PLANS DESIGNED TO THE 2018 NORTH CAROLINA RESIDENTIAL CODE
HOUSE DESIGNED FOR 115 MPH 3 SECOND GUST, EXPOSURE B
ANCHOR BOLTS TO BE NO MORE THAN 6" O.C. AND WITHIN 12" OF ALL
PLATES SPLICES

ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER & SHALL EXTEND A MINIMUM 7"
INTO MASONRY OR CONCRETE

MEAN ROOF HEIGHT = <30'-0"

COMPONENT& CLADDING DESIGNED FOR THE FOLLOWING LOADS