

# CLAY COUNTY RESIDENTIAL COVER SHEET

General Structural Notes:

1. CODES  
Florida Building Code 2007, American Concrete Institute, American Institute of Timber Construction and American Welding Society.

2. LIVE LOADS  
Roof 20psf

3. WIND LOAD NOTES:  
Codes: Florida Building Code 2007 and ASCE 7-02 with 2009 Supplements

Basic Wind Speed: 120 mph (Wind Borne Debris Zone)  
Wind Importance Factor: I=1.0 Building Category II

Wind Exposure: B  
Enclosure: Enclosed Building

Internal Pressure Coefficient GCpi = +18 or -18  
Wind Pressure to Windows/Doors

Zone	End Zone = 6' Effective wind area (sf)	Wind Load (psf)	
		Positive	Negative
Interior	10	+25.9	-28.1
	20	+24.7	-26.9
	50	+23.2	-25.4
	100	+22.0	-24.2
End Zone	10	+25.9	-34.7
	20	+24.7	-32.4
	50	+23.2	-29.3
	100	+22.0	-26.9

4. ALLOWABLE SOIL BEARING: 2500 psf

5. SOIL COMPACTION:  
Soil under slab on grade foundation shall be compacted to 95% modified proctor max. dry density (ASTM D-1557).

6. MATERIALS:

Concrete (Normal Weight - 28 days)	2500 psi
Reinforcing Bar	ASTM A615, Gr60
Welded Wire Fabric	ASTM A185
Hollow Load Bearing CMU	ASTM C90, Gr N-I
Anchor Bolts	ASTM A307 or A36
Welds	AWS E70 or E60
Wood Members for Beams and Posts	(#2 SYP)
Wood Members for Studs	(#2 SYP or better)
Microllam	1.9E

7. CONCRETE

All concrete to be designed as per ACI 318 Latest edition.

Footings	2500 psi
Slab on grade	2500 psi
All others	2500 psi

Splices in reinforcing where permitted:

Concrete	40 bar diameter
Masonry	48 bar diameter

Unless shown on drawings, minimum concrete cover for reinforcing:

Cast against earth	3"
Slab on Grade	centered

Exposed to earth or weather

#6 thru #11 bars	2"
#5 bars or smaller	1 1/2"

All reinforcing shall be held securely in position with standard accessories in conformance with ACI315 during placement of concrete.

8. TIMBER:

All wood framing shall be fabricated and installed as per AITC and TPI and National Design Specification for Wood Construction.

Provide temporary top chord bracing until roof sheathing is in place.

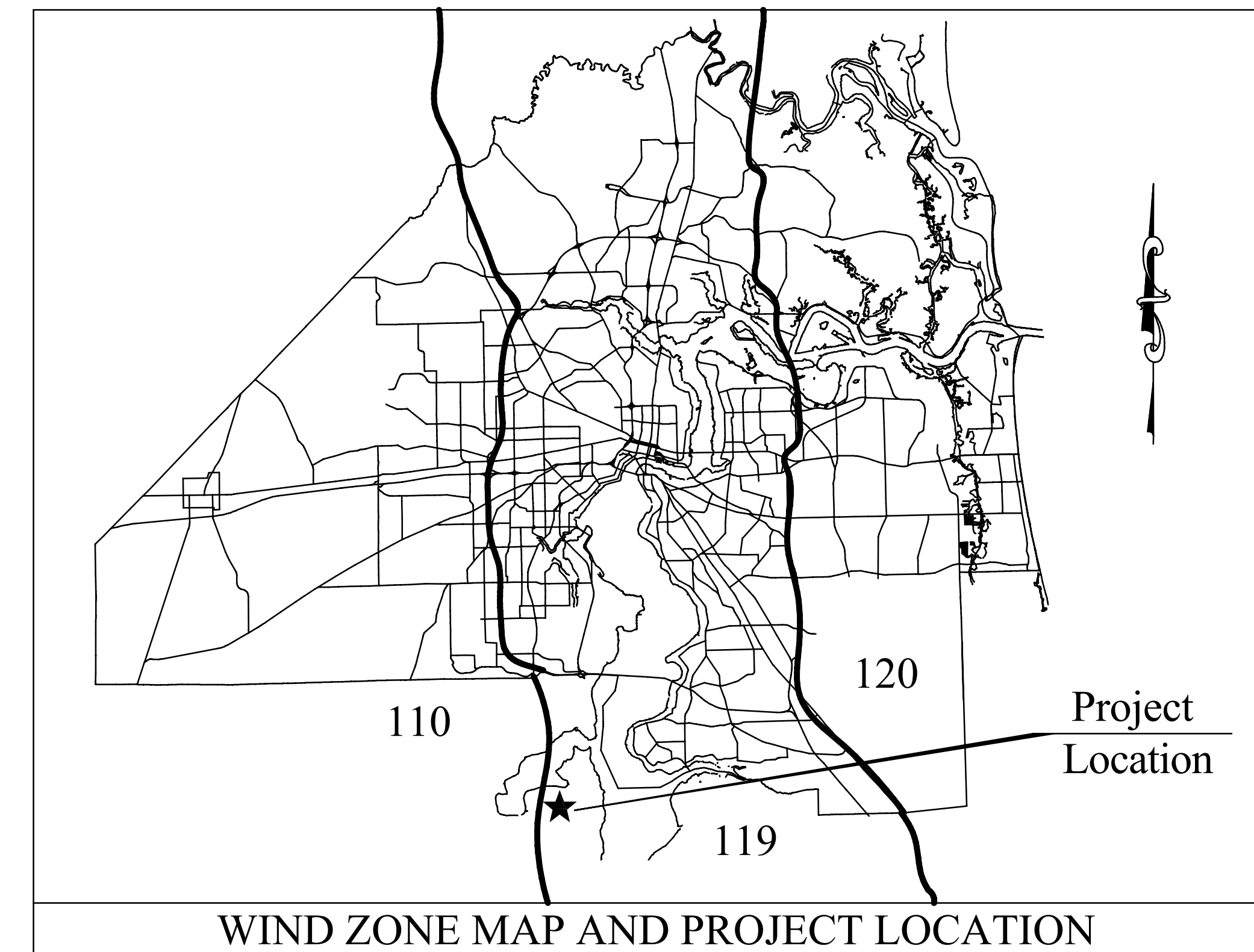
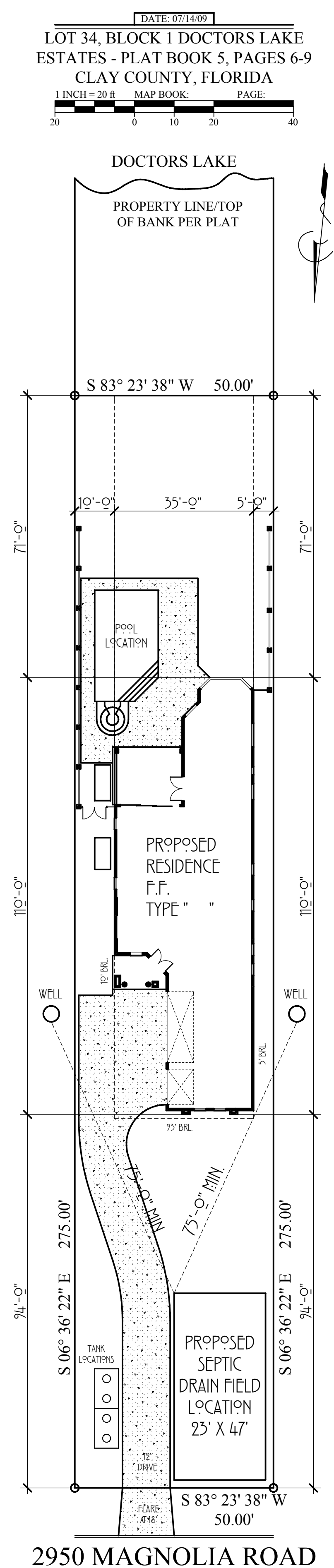
All wood members xposed to weather shall be pressure treated.

Pre-engineered wood trusses shall comply with Truss Plate Institute

Standards with proper dead, live and wind loads. Drawings shall be signed and sealed by a professional engineer registered in the State of Florida.

Provide hurricane clips at both ends of each rafter and truss.

The number and size of nails connecting wood members shall not be less than those specified in FBC 2007 Table 2304.9.1 Fastening Schedule.



## INDEX OF DRAWINGS:

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E-1 ELECTRICAL PLAN

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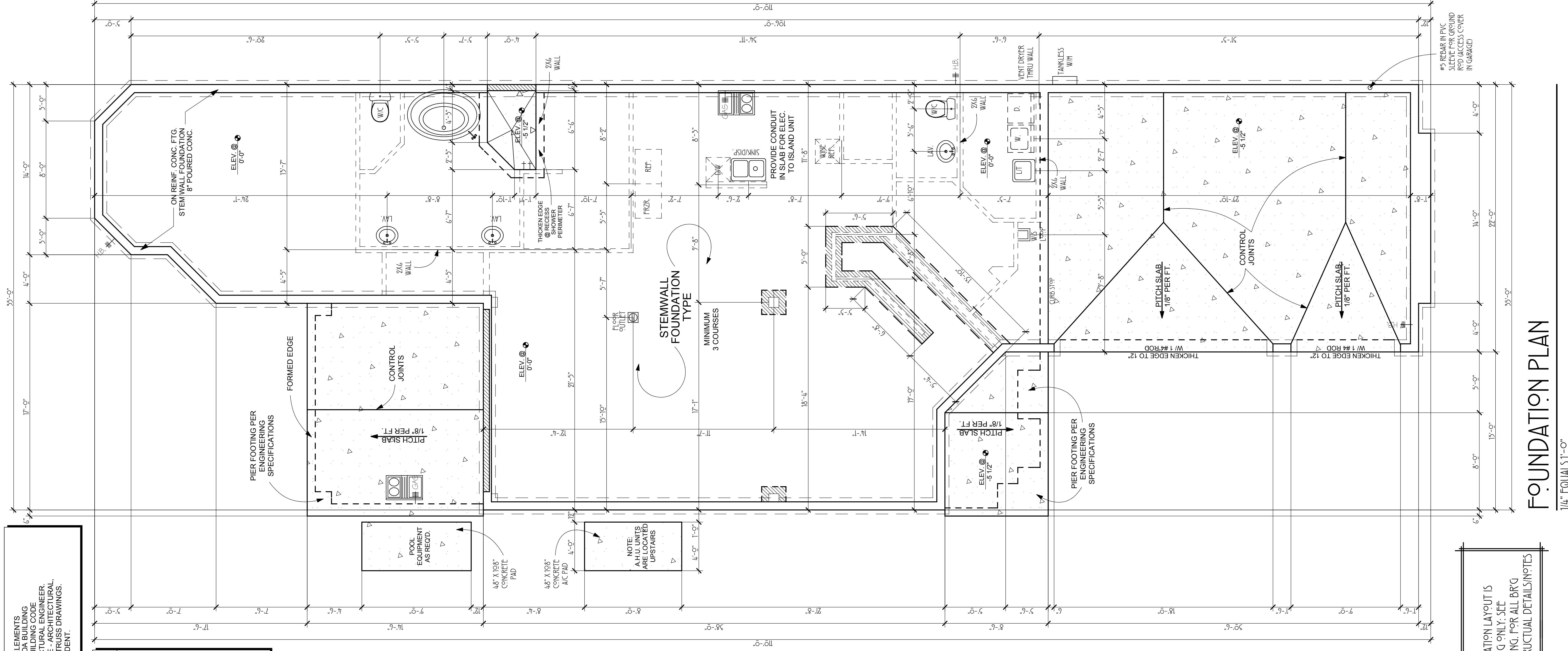
1ST FLOOR A/C	
2ND FLOOR A/C	
TOTAL A/C	
GARAGE	
POUCHES	
TOTAL COVERED	

CUSTOM DESIGN RESIDENCE FOR:  
THE LILLY FAMILY

DATE: 7-08-09  
DESIGN BY: S. CLAUSEN  
DRAWN BY: S. CLAUSEN

SHEET NO.:

C-1



FOUNDATION AND ALL STRUCTURAL ELEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. COMPLIANCE WITH FLORIDA BUILDING CODE IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER. ALL STRUCTURAL PRICING TO INCLUDE: ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. STRUCTURAL DRAWINGS TAKE PRECEDENT.

**GENERAL NOTES:**

- ALL INTERIOR NON-LOAD BEARING WALLS - FRAME VISTUOUS @ 16" O.C. W/ DOUBLE TOP PLATE
- ALL INTERIOR PARTITIONS SHALL BE 4" CMU UNLESS OTHERWISE NOTED.
- VERIFY ALL DIMENSIONS IN THE FIELD.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE BUILDING CODES.
- WHEN DRAWINGS ARE IN CONFLICT WITH OTHER DRAWINGS CONTRACTOR SHALL NOTIFY ARCHITECT.

TYPICAL SLAB ON GRADE  
4" CONC. SLAB W/ 6# 10/10 W.W.M.  
OVER 6 MIL. POLY V.B.  
ON 8" 5% COMPACTED FILL

NOTE: PROVIDE SUMPSON CS22 STRAP @ MID-HEIGHT @ ALL UNSHEATHED 2"x6" STUDS AND EACH STUD W/ 2-10D NAILS

POOL ELEV. AS RECD.

48" X 108" CONCRETE PAD

48" X 108" CONCRETE AC PAD

NOTE: ALL UNITS ARE LOCATED UPSTAIRS

NOTE: THIS FOUNDATION LAYOUT IS FOR FORMING ONLY. SEE ATTACHED ENCL. FOR ALL BRG FTGS & STRUCTURAL DETAILS/NOTES

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

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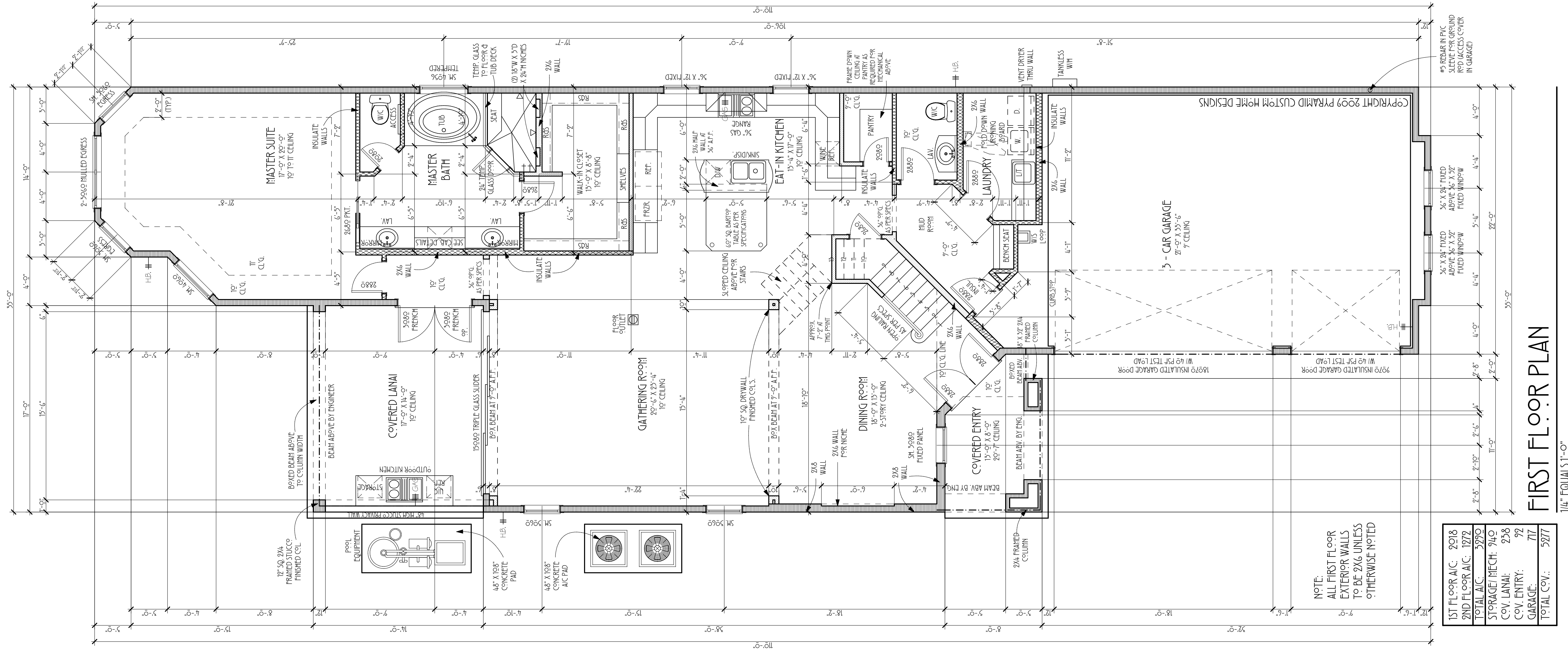
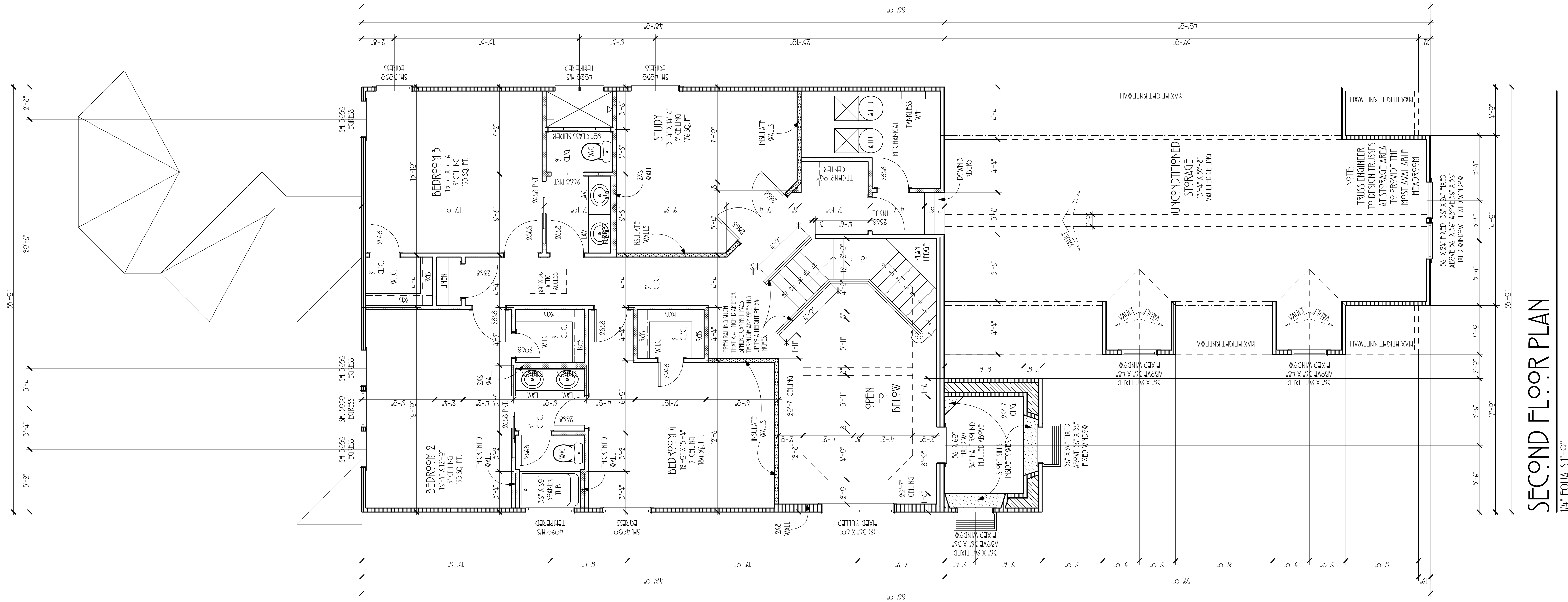
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DRAWN BY: S. CLAUSEN

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**A-1**

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1ST FLOOR A.C.	2018
2ND FLOOR A.C.	1972
TOTAL A.C.	3990
STORAGE RECH.	940
COV. LANAI	238
COV. ENTRY	72
GARAGE	77
TOTAL COV.	5277

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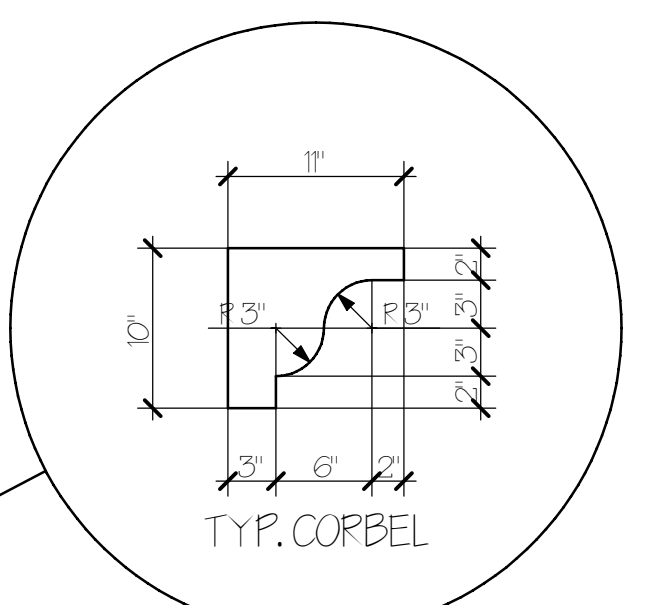
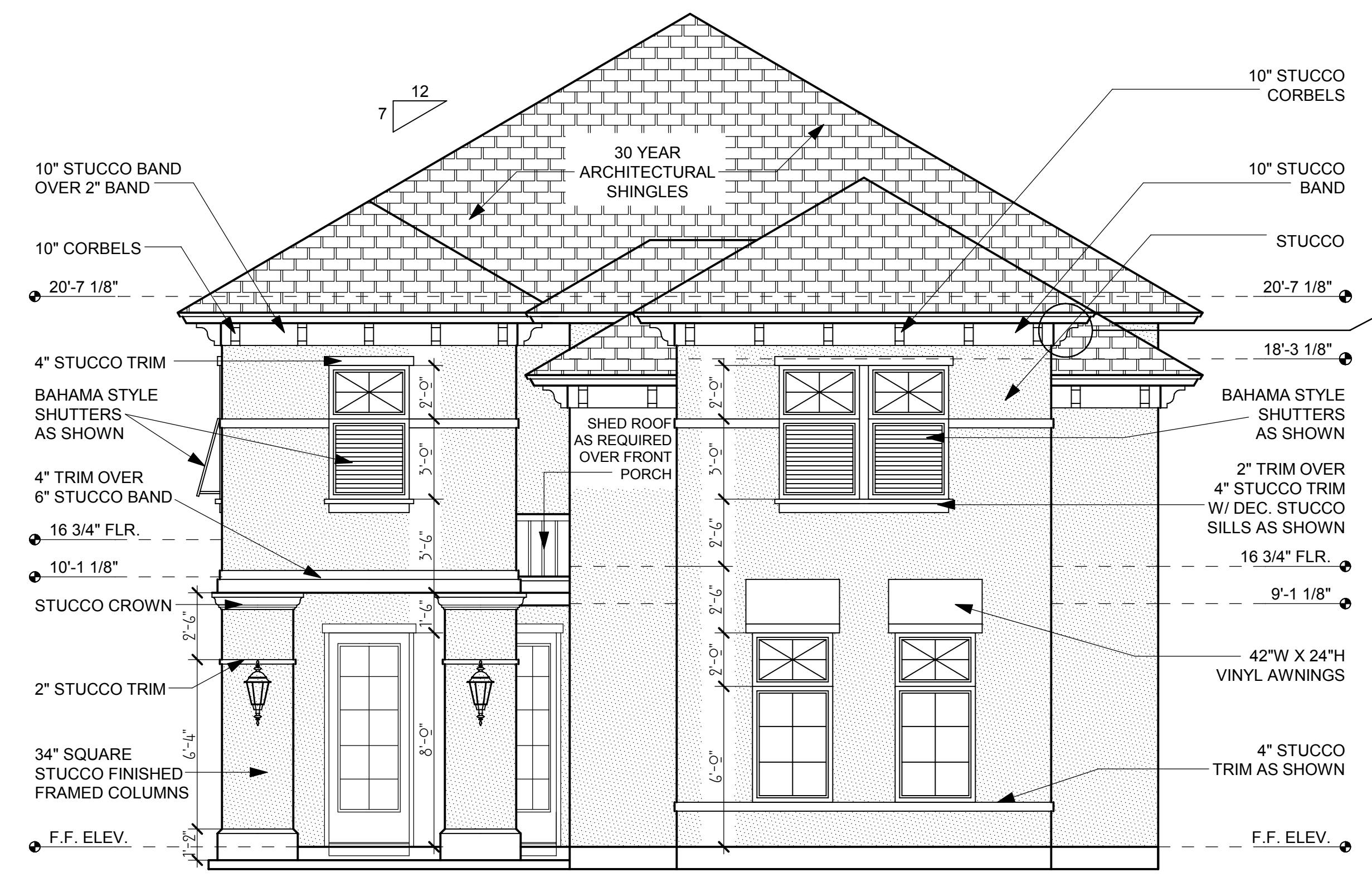
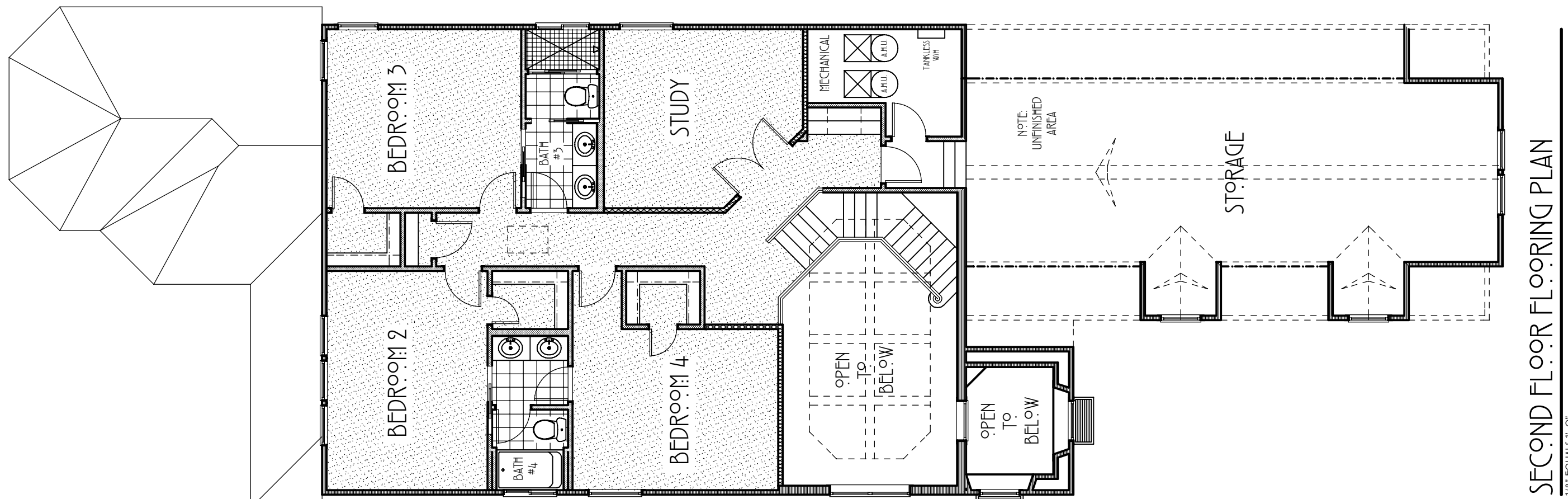
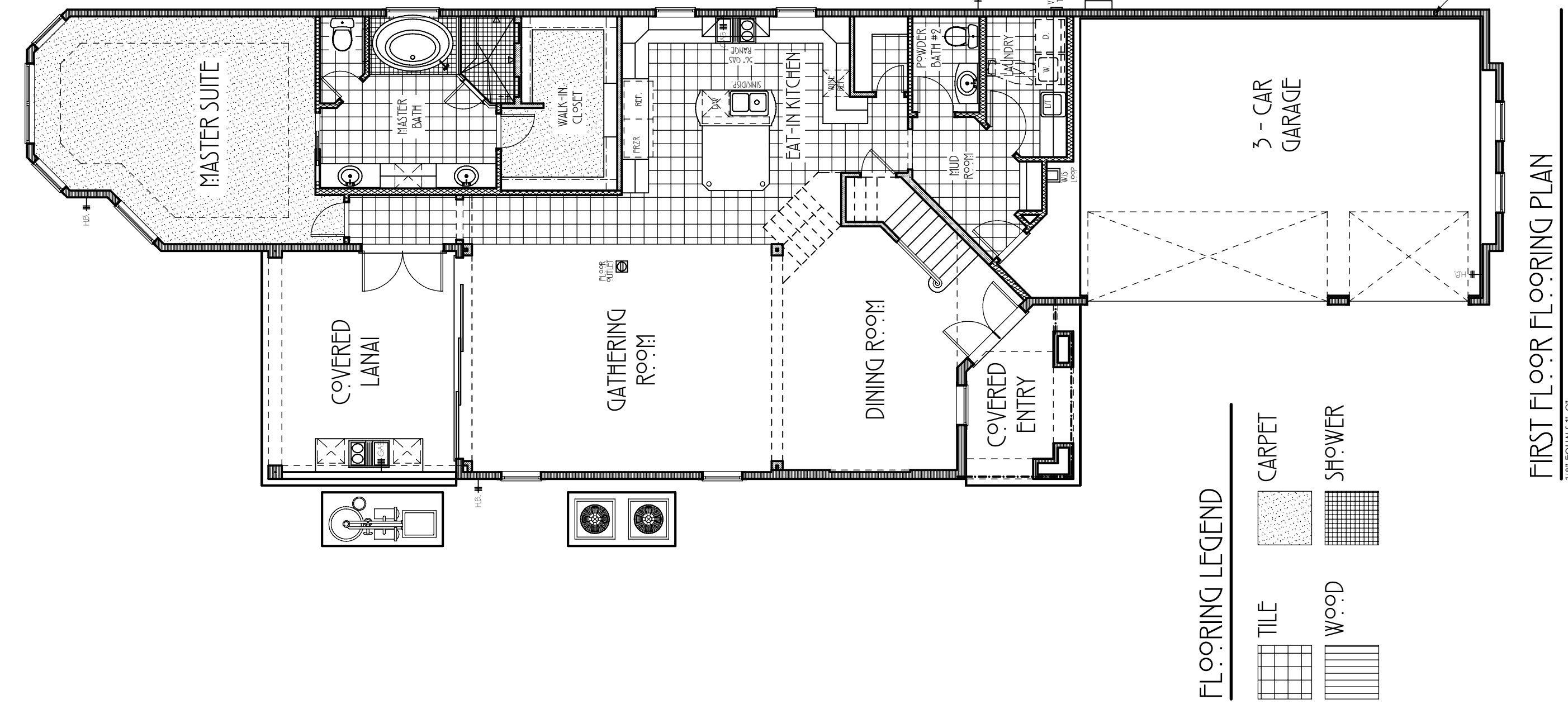
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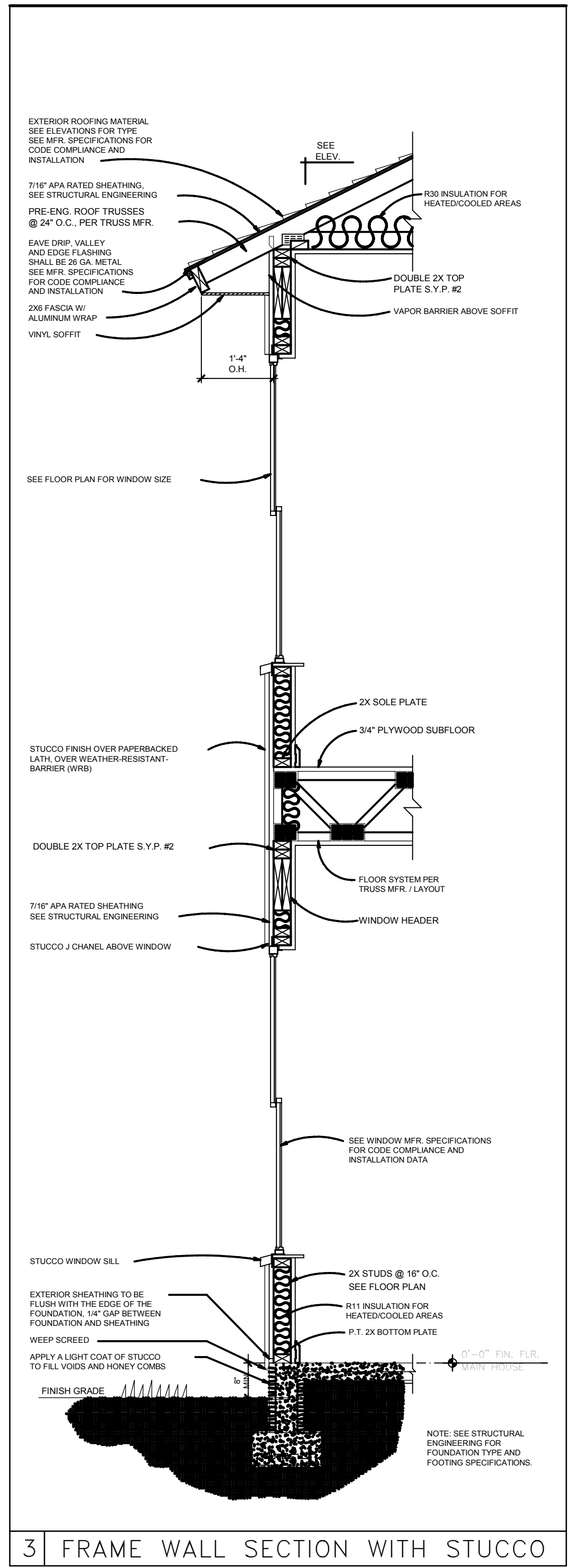
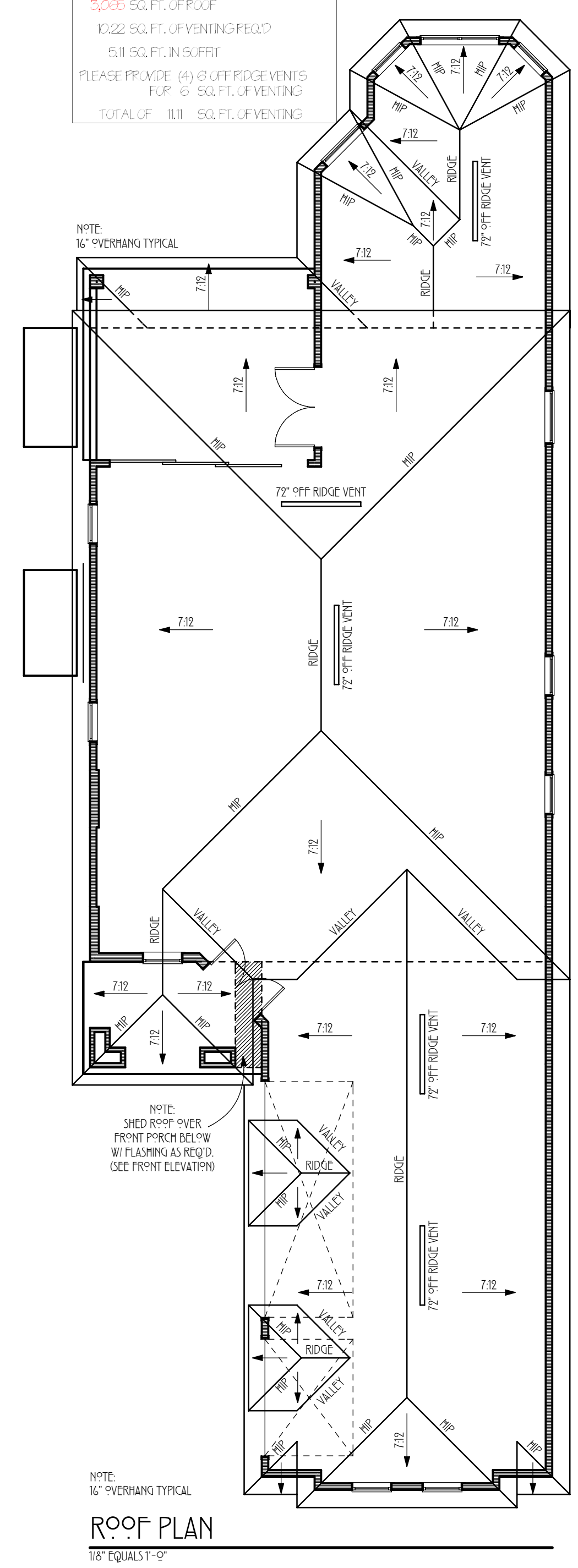
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**OFF RIDGE VENT NOTES:**

- 5000 SQ. FT. OF PUFF
- 1022 SQ. FT. OF VENTING REQ'D
- 511 SQ. FT. IN SUIT
- PLEASE PROVIDE (4) @ OFF RIDGE VENTS
- F.P. @ SQ. FT. OF VENTING
- TOTAL OF 1011 SQ. FT. OF VENTING



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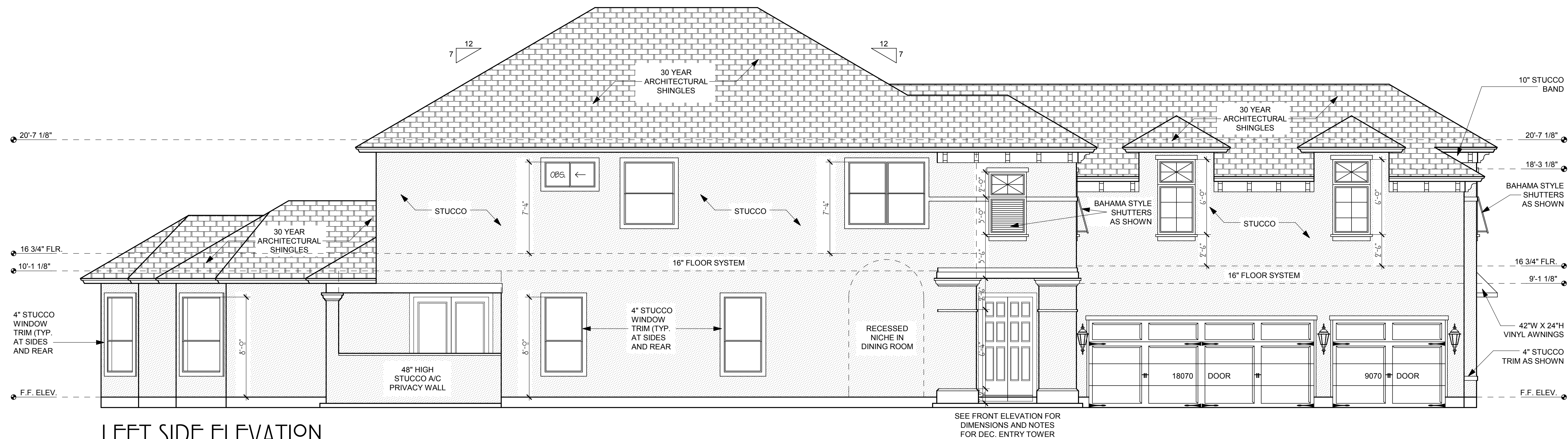
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1ST FLOOR A/C	2ND FLOOR A/C	TOTAL A/C	GARAGE	POUCHES	TOTAL COVERED

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**A-3**

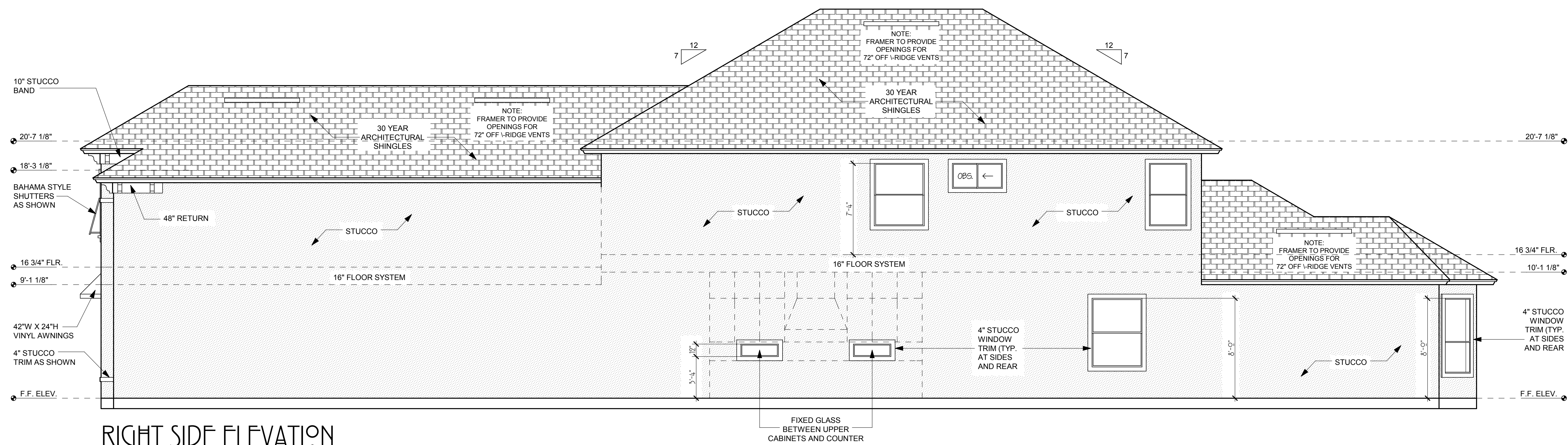


LEFT SIDE ELEVATION

1/4" = 1'-0"

SEE FRONT ELEVATION FOR DIMENSIONS AND NOTES FOR DEC. ENTRY TOWER

MAGNOLIA RESIDENCE



RIGHT SIDE ELEVATION

1/4" = 1'-0"

MAGNOLIA RESIDENCE

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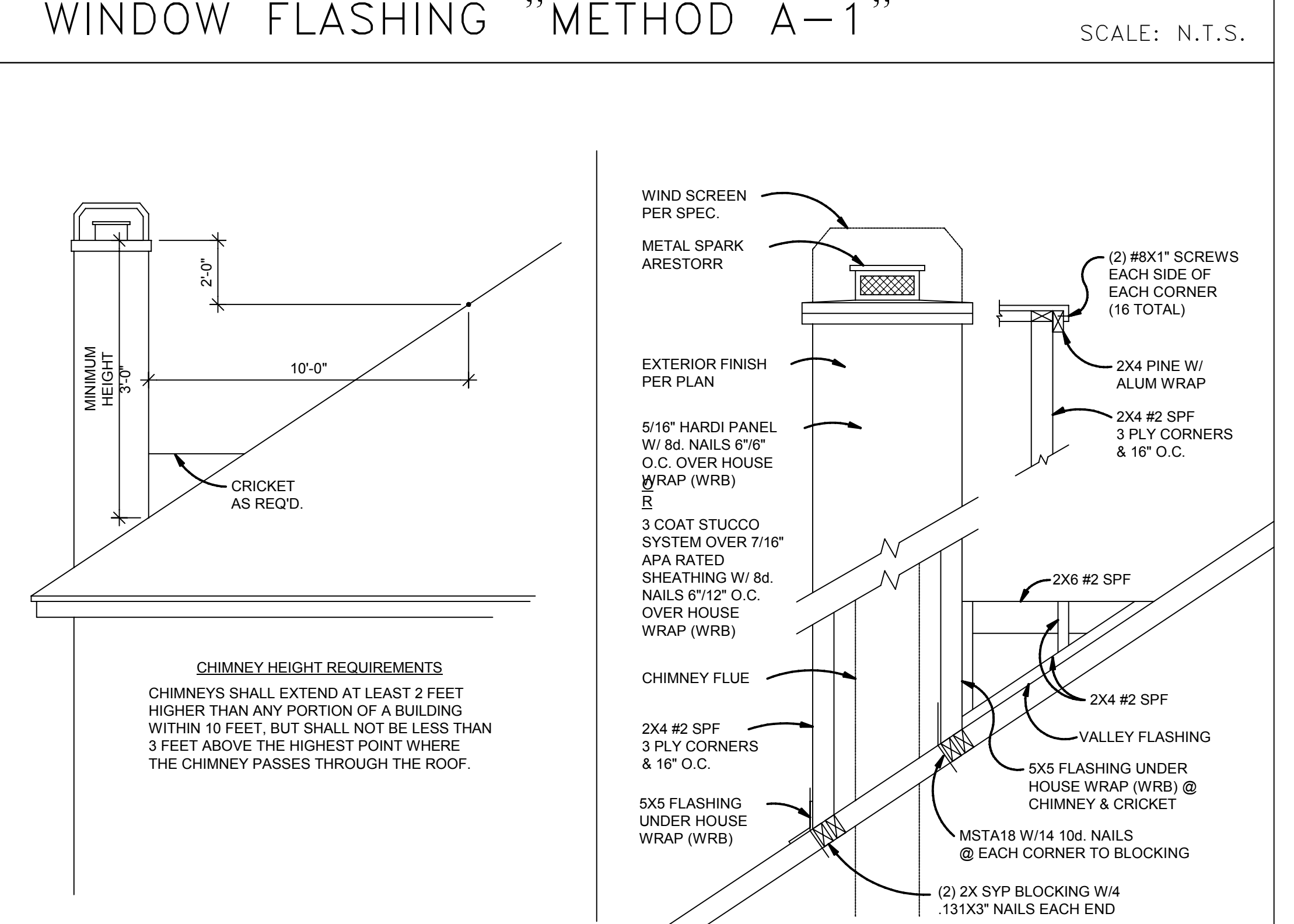
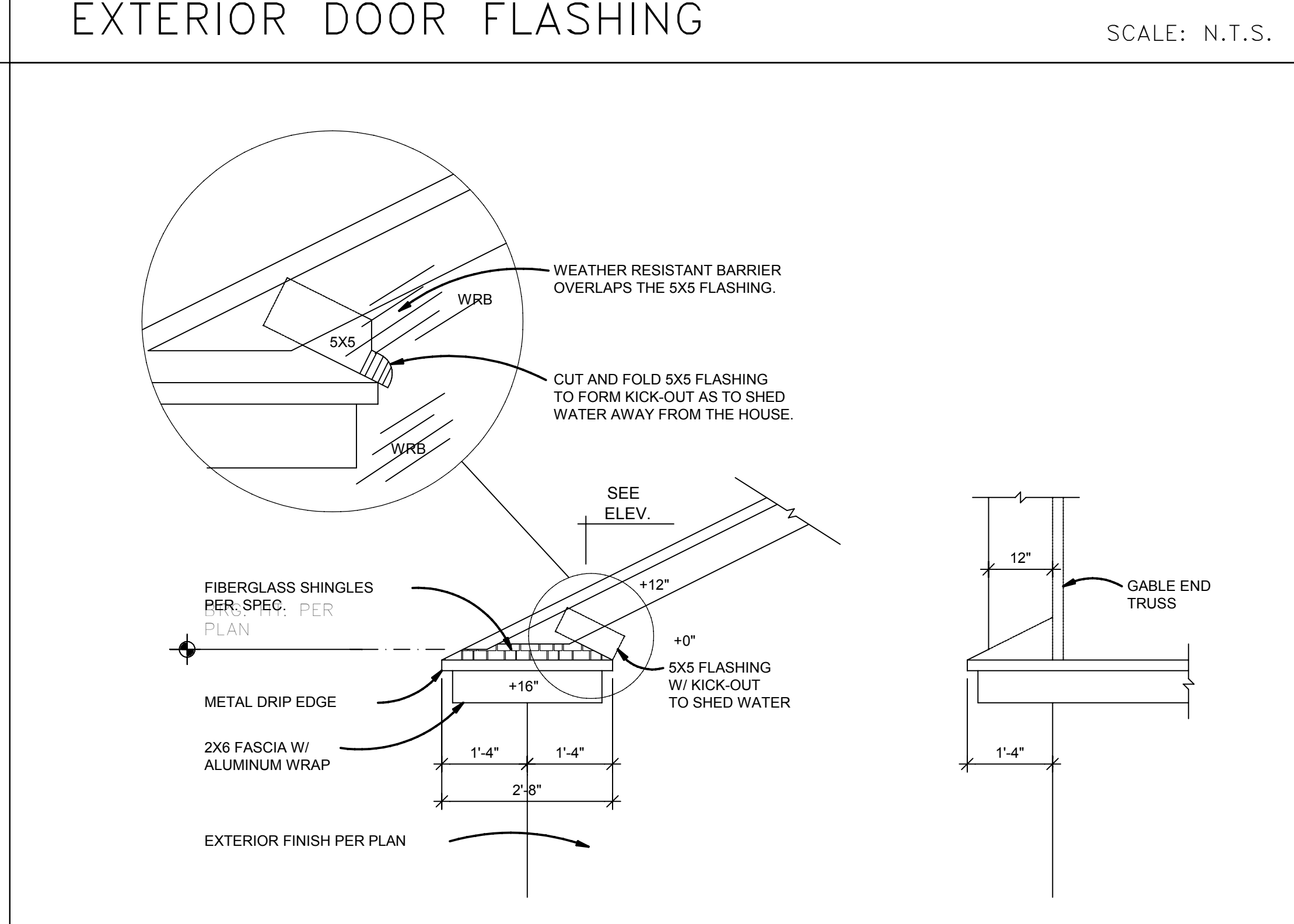
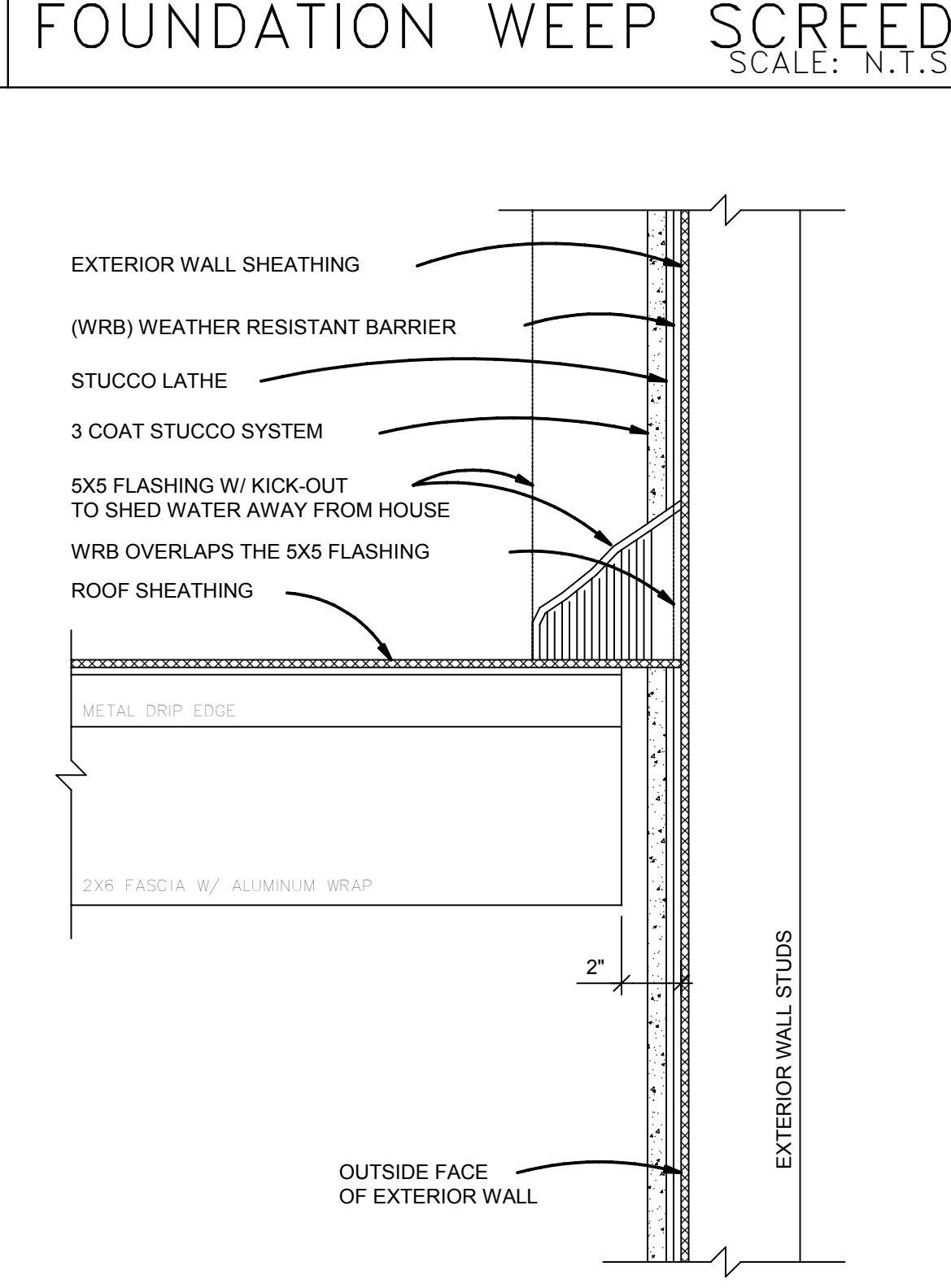
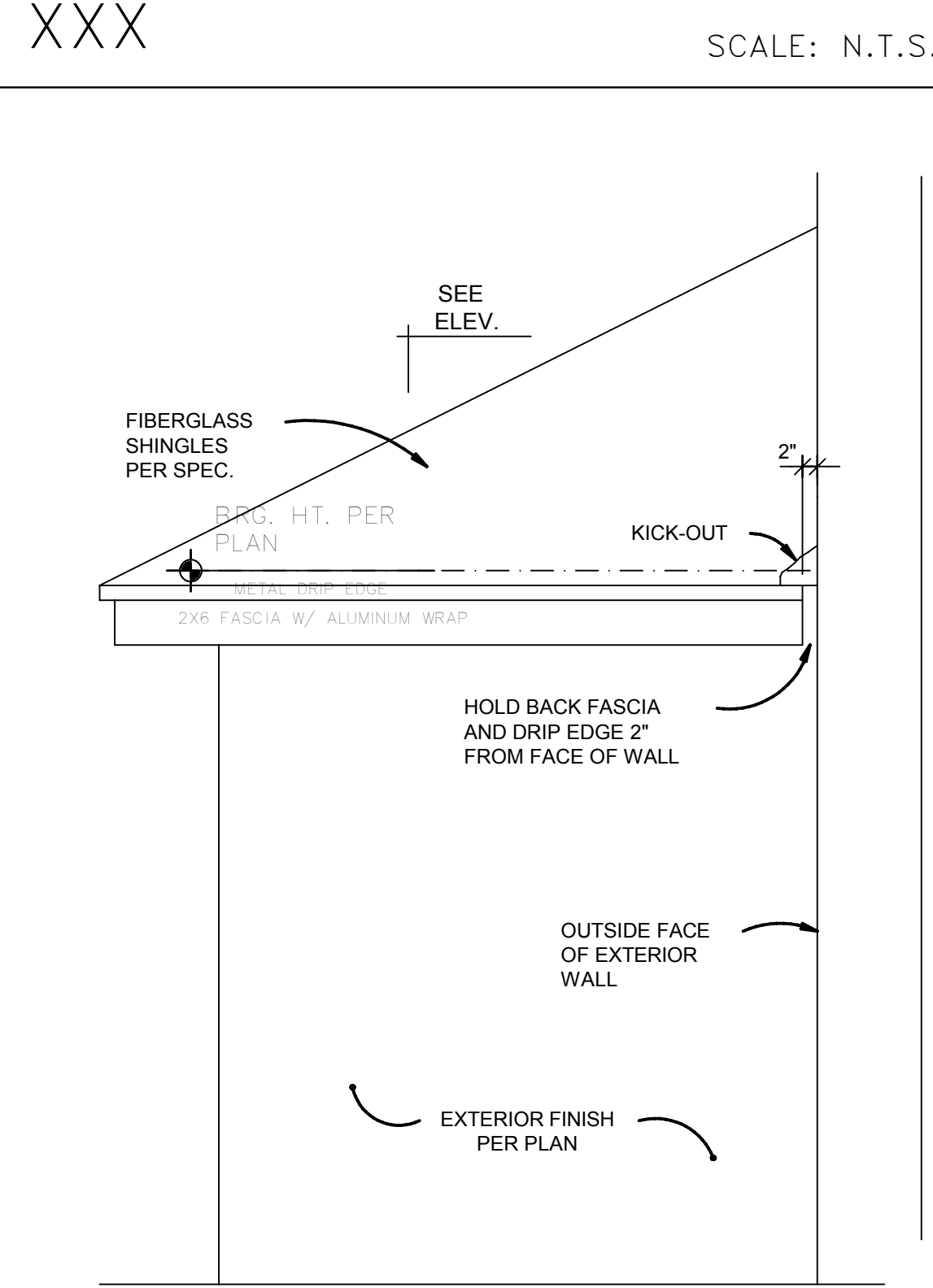
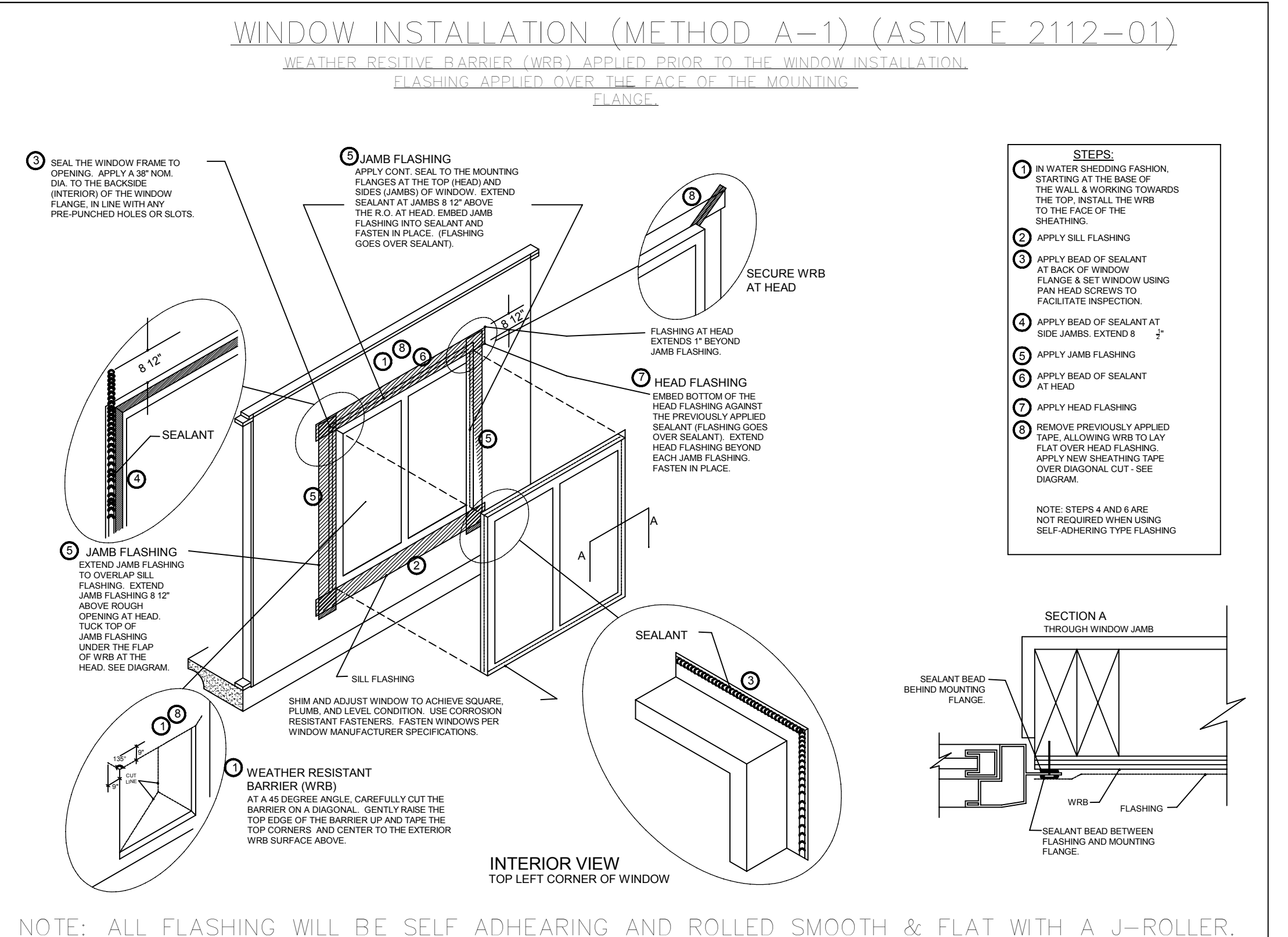
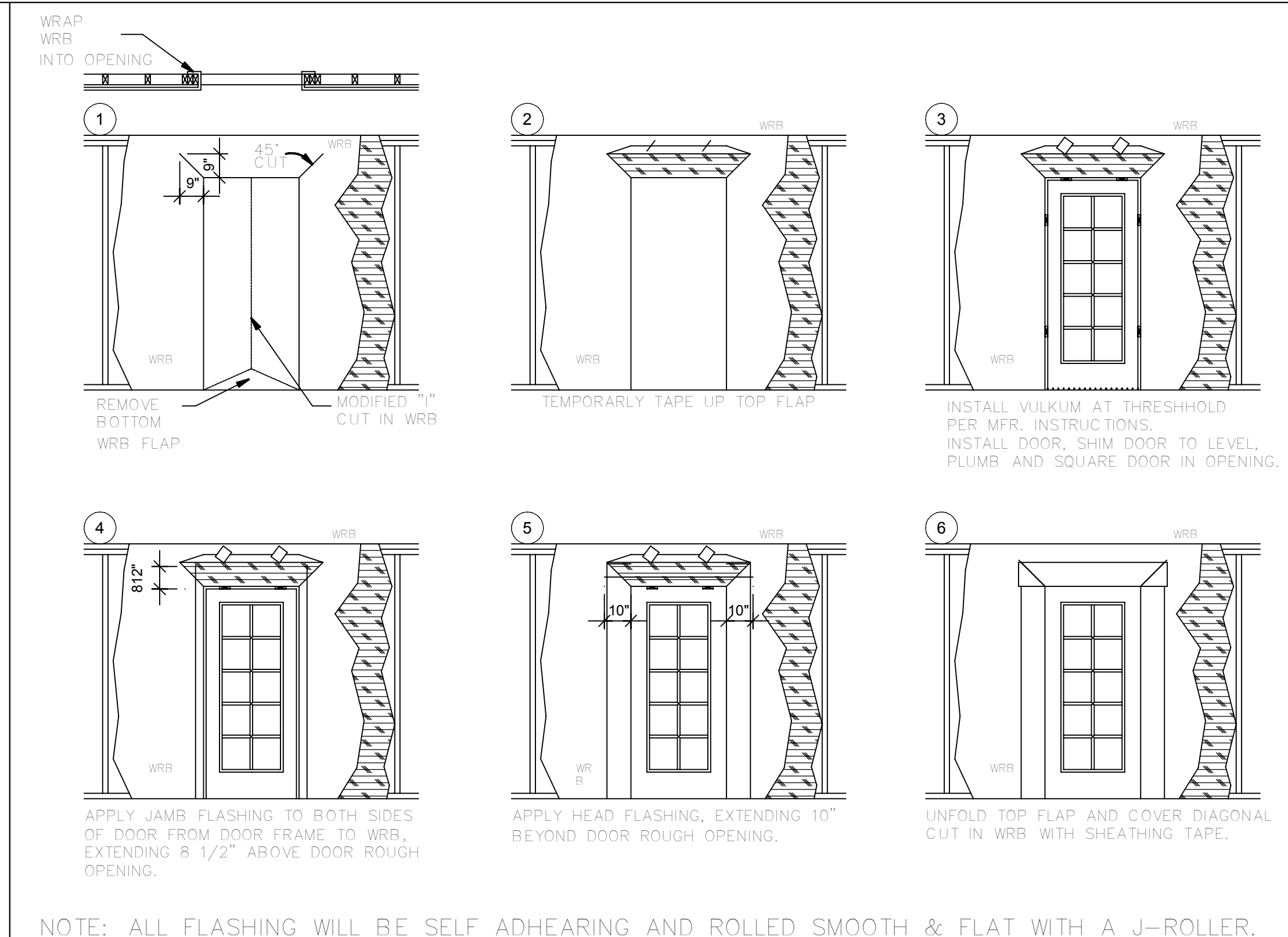
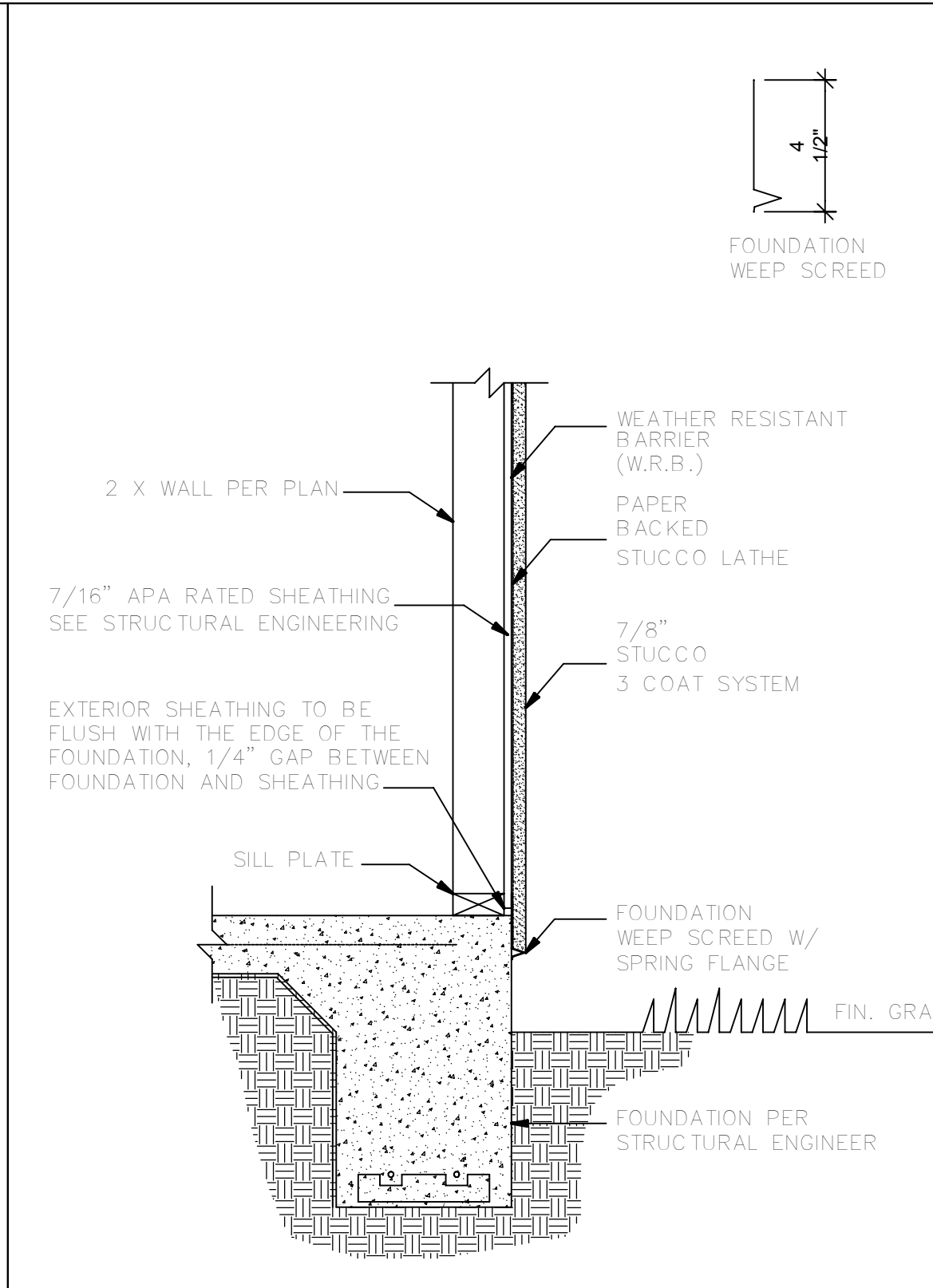
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1ST FLOOR A.C.	
2ND FLOOR A.C.	
TOTAL A.C.	
GARAGE:	
POUCHES:	
TOTAL COVERED:	

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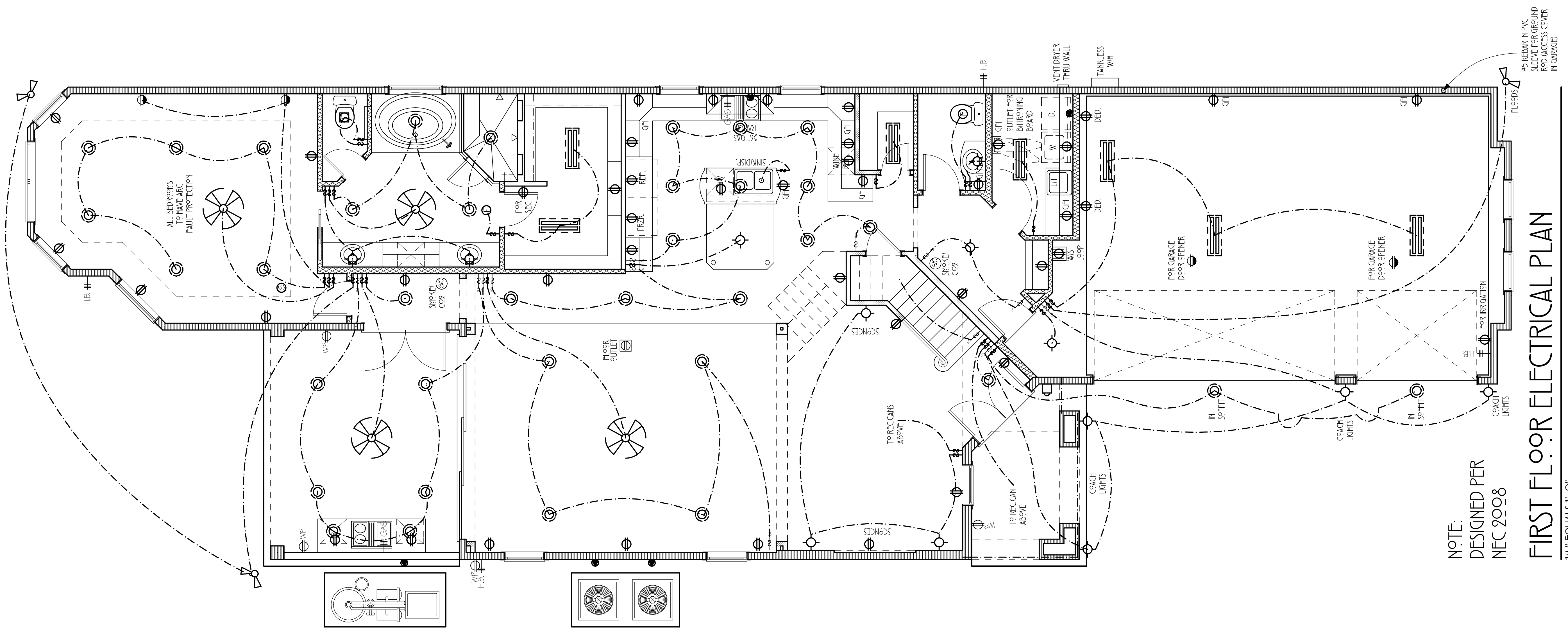
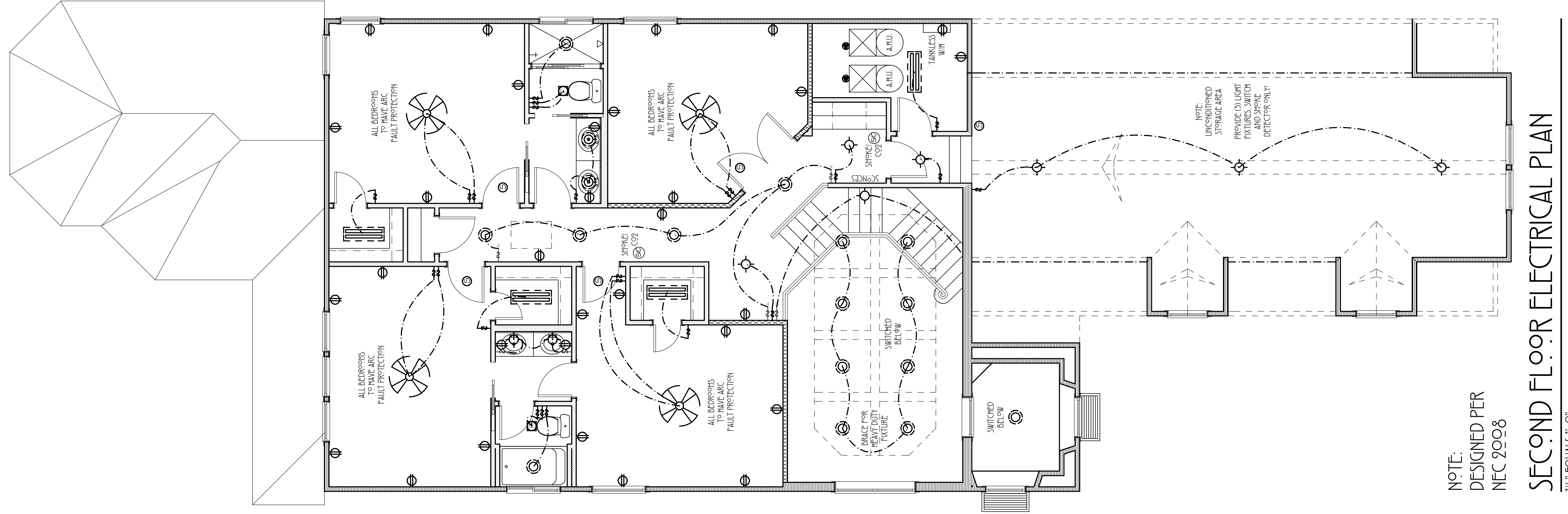


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ELECTRICAL LEGEND	
WALL LIGHT FIXTURE	⊕
WATER PROOF OUTLET	WPC
FLOOR OUTLET	⊖
RECEPTACLE OUTLET SHOCK HAZARD	⊖
RECESSED CEILING LIGHT	⊖
WALL OUTLET	⊖
220 WALL OUTLET	⊖
SURFACE MOUNT CEILING LIGHT FIXTURE	⊖
RECESSED CEILING LIGHT FIXTURE	⊖
SMOKE DETECTOR	⊖
TELEPHONE JACK	⊖
TRIM (UPGRADE) TOGGLE	⊖
CABLE OUTLET	⊖
EXHAUST FAN	⊖
FLOOD LIGHTS	⊖
SINGLE SWITCH	⊖
3-WAY SWITCH	⊖
4-WAY SWITCH	⊖
PREMISE & SPACE TOP FAN	⊖
FOUR PERSPECT LIGHT	⊖
FANLIGHT COMBO	⊖
DOOR BELL	⊖
SPEAKERS CEILING MOUNT	⊖
SPEAKERS WALL MOUNT	⊖
SPEAKER CONTROL	⊖
UNRELOCATED LIGHTING	⊖
BURIED LOCATED HASE FB	⊖
H.B. #	⊖
GAS SLUB	⊖

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DESIGN BY: S. CLAUSEN  
DRAWN BY: S. CLAUSEN

SHEET NO.

**E-1**

1ST FLOOR A/C:  
2ND FLOOR A/C:  
TOTAL A/C:  
GARAGE:  
PARKING:  
TOTAL COVERED:

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