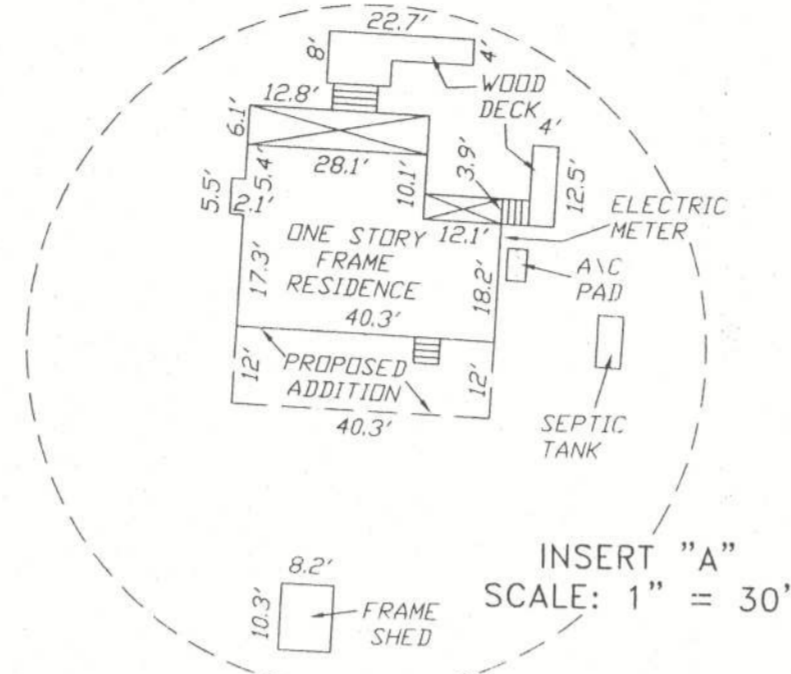
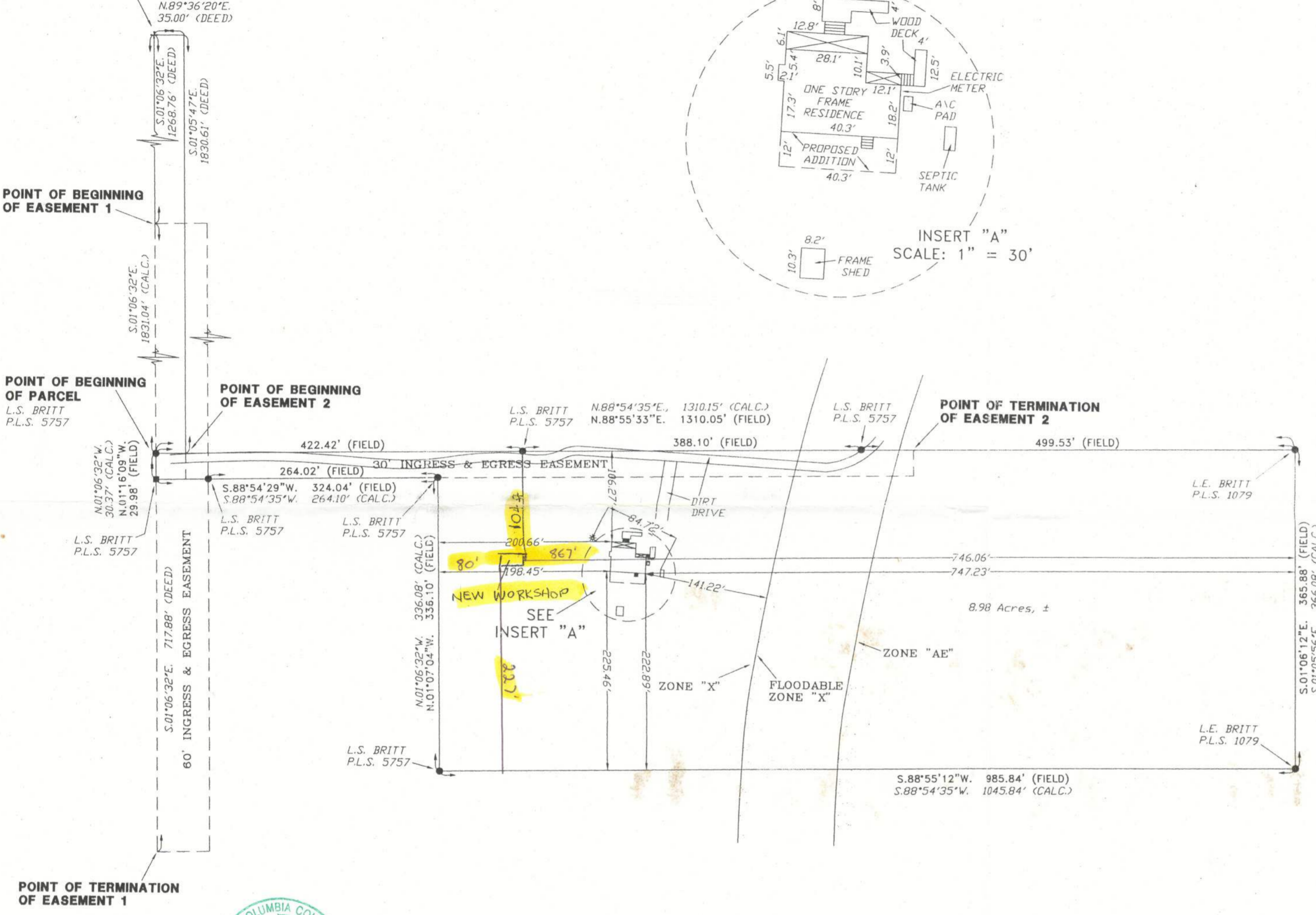


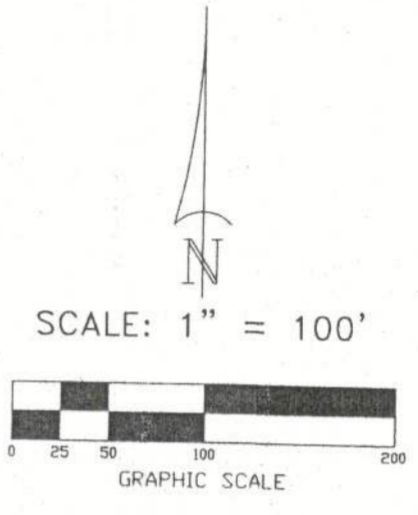
A BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

POINT OF COMMENCEMENT OF PARCEL & EASEMENT
NW CORNER OF NW 1/4 OF SECTION 36, TOWNSHIP 4 SOUTH, RANGE 16 EAST



SYMBOL LEGEND:

■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
○	IRON PIPE FOUND
⊙	IRON PIN AND CAP SET
×	"X" CUT IN PAVEMENT
⊕	CALCULATED PROPERTY CORNER
⊙	NAIL & DISK
⊕	POWER POLE
⊕	SIGN POST
⊕	WATER METER
⊕	UTILITY BOX
⊕	WELL
⊕	SANITARY MANHOLE
—	CENTERLINE
—	SECTION LINE
—	ELECTRIC LINES
—	WIRE FENCE
—	CHAIN LINK FENCE
—	WOODEN FENCE
(PLAT)	AS PER A PLAT OF RECORD
(DEED)	AS PER A DEED OF RECORD
(CALC.)	AS PER CALCULATIONS
(FIELD)	AS PER FIELD MEASUREMENTS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT



DESCRIPTION:
A PART OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF SAID NW 1/4 AND RUN S.01°06'32"E., ALONG THE WEST LINE THEREOF, 1831.04 FEET FOR A POINT OF BEGINNING; THENCE N.88°54'35"E., 1310.15 FEET; THENCE S.01°05'56"E., 366.08 FEET; THENCE S.88°54'35"W., 1045.84 FEET; THENCE N.01°06'32"W., 336.08 FEET; THENCE S.88°54'35"W., 264.10 FEET TO A POINT ON THE WEST LINE OF SAID NW 1/4; THENCE N.01°06'32"W., 30.37 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA, CONTAINING 8.98 ACRES, MORE OR LESS.

EASEMENT 1
TOGETHER WITH AND SUBJECT TO AN EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER AND ACROSS A 60 FOOT STRIP OF LAND LYING ADJACENT TO AND EAST OF THE FOLLOWING DESCRIBED LINE; COMMENCE AT THE NW CORNER OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST AND RUN S.01°06'32"E., ALONG THE WEST LINE THEREOF, 1268.76 FEET FOR A POINT OF BEGINNING; THENCE CONTINUE S.01°06'32"E., 1018.35 FEET TO THE POINT OF TERMINATION OF SAID EASEMENT.

ALSO: EASEMENT 2
SUBJECT TO AN EASEMENT FOR INGRESS, EGRESS AND UTILITY PURPOSES OVER AND ACROSS THE FOLLOWING: COMMENCE AT THE NORTHWEST CORNER OF SAID SECTION 36, AND RUN N.89°36'20"E., ALONG THE NORTH LINE THEREOF, 35.00 FEET TO THE EAST RIGHT-OF-WAY LINE OF RUM ISLAND ROAD, (A 60 FOOT RIGHT-OF-WAY); THENCE S.01°05'47"E., ALONG SAID RIGHT-OF-WAY, 1830.61 FEET FOR A POINT OF BEGINNING; THENCE N.88°54'35"E., 836.35 FEET; THENCE S.01°05'49"E., 30.00 FEET; THENCE S.88°54'35"W., 836.35 FEET; THENCE N.01°05'47"W., 30.00 FEET TO THE POINT OF BEGINNING.

- SURVEYOR'S NOTES:**
- BOUNDARY BASED ON MONUMENTATION FOUND.
 - BEARINGS ARE BASED ON A PREVIOUS SURVEY BY THIS OFFICE.
 - A PORTION OF THIS PARCEL IS IN ZONE "AE" AND IS SUBJECT TO FLOODING. A BASE FLOOD ELEVATION IS ESTABLISHED TO BE 39 FEET. A PORTION OF THIS PARCEL IS IN FLOODABLE ZONE "X" AND ARE AREAS OF 500 YEAR FLOOD; AREAS OF 100 OF 100 YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100 YEAR FLOOD. A PORTION OF THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE OF THE 500 YEAR FLOOD PLAIN, AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL NO. 120070 0270 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 - THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 - IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 - THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
 - ACCORDING TO THE DEEDS OF RECORD AS HANDED THIS OFFICE, IT APPEARS THAT THERE IS A PARCEL OF LAND BETWEEN THE TWO PARCELS WHICH IS NOT INCLUDED IN THE DEEDS.



REVISED ON 01/26/11.

CERTIFIED TO:
CASON BUILDERS, INC.

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

01/14/11 FIELD SURVEY DATE 01/17/11 DRAWING DATE

[Signature]
L. SCOTT BRITT, P.E.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

FIELD BOOK: SEE PAGE(S): FILE



BRITT SURVEYING & ASSOCIATES, INC.

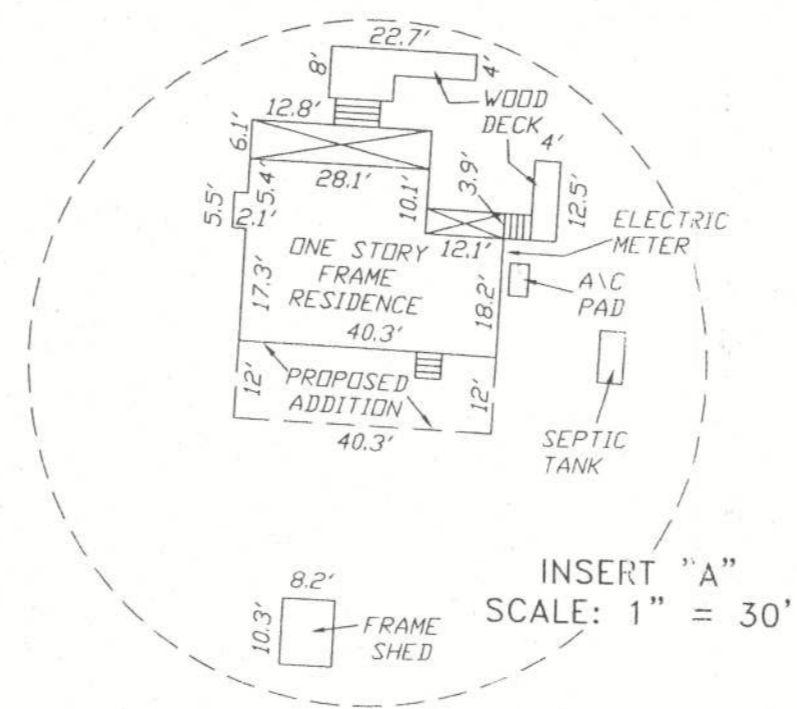
LAND SURVEYORS AND MAPPERS, L.B. # 7593
830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055

www.brittsurvey.com
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-20745

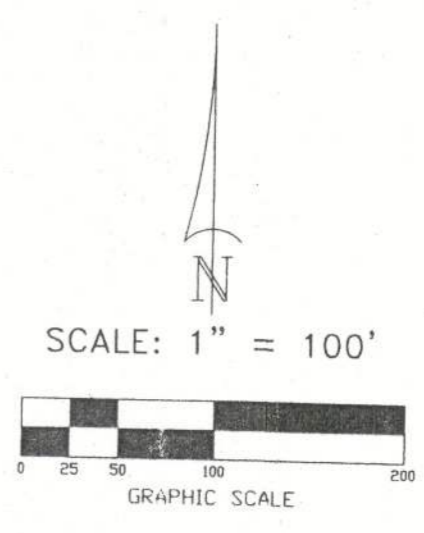
A BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

POINT OF COMMENCEMENT OF PARCEL & EASEMENT
NW CORNER OF NW 1/4
OF SECTION 36, TOWNSHIP
4 SOUTH, RANGE 16 EAST



SYMBOL LEGEND:

■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
○	IRON PIPE FOUND
⊙	IRON PIN AND CAP SET
x	'x' CUT IN PAVEMENT
⊕	CALCULATED PROPERTY CORNER
⊙	NAIL & DISK
⊕	POWER POLE
+	SIGN POST
▲	WATER METER
⊙	UTILITY BOX
⊙	WELL
⊙	SANITARY MANHOLE
⊕	CENTERLINE
---	SECTION LINE
-E-	ELECTRIC LINES
-X-	WIRE FENCE
-o-	CHAIN LINK FENCE
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(PLAT)	AS PER A PLAT OF RECORD
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(CALC.)	AS PER CALCULATIONS
(FIELD)	AS PER FIELD MEASUREMENTS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT

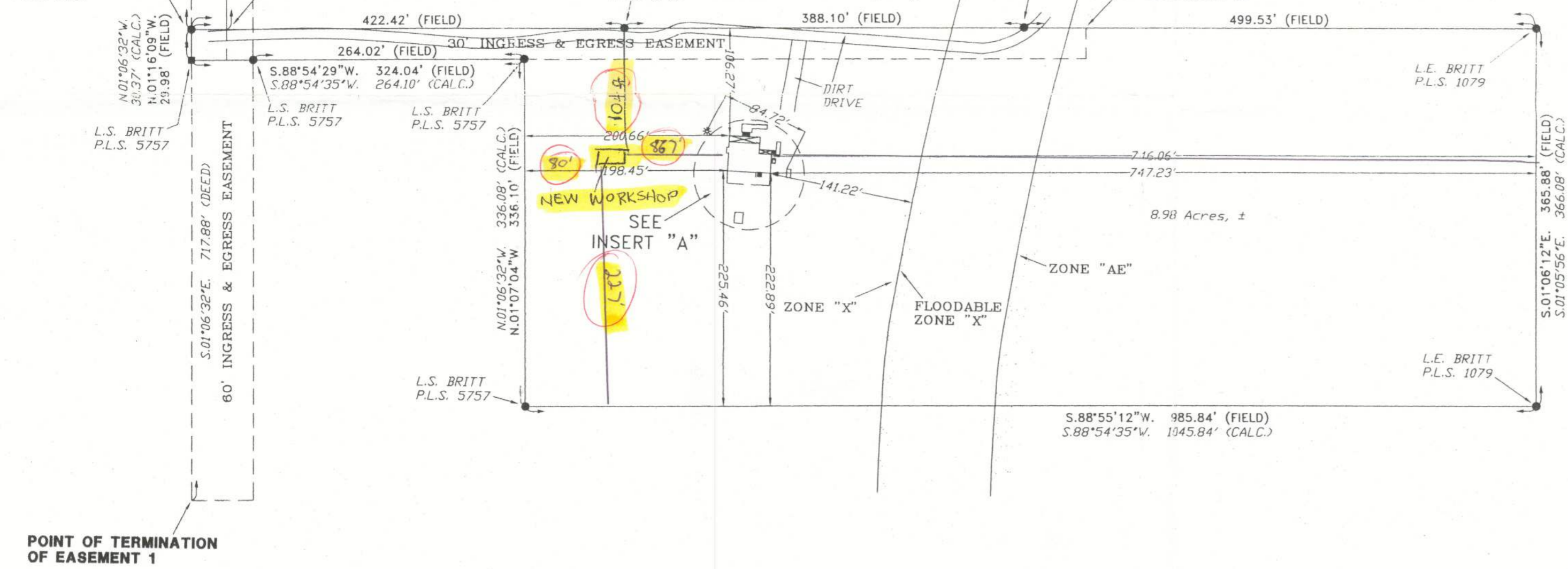


POINT OF BEGINNING OF EASEMENT 1

POINT OF BEGINNING OF PARCEL
L.S. BRITT
P.L.S. 5757

POINT OF BEGINNING OF EASEMENT 2

POINT OF TERMINATION OF EASEMENT 2



DESCRIPTION:
A PART OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF SAID NW 1/4 AND RUN S.01°06'32"E., ALONG THE WEST LINE THEREOF, 1831.04 FEET FOR A POINT OF BEGINNING; THENCE N.88°54'35"E., 1310.15 FEET; THENCE S.01°05'56"E., 366.08 FEET; THENCE S.88°54'35"W., 1045.84 FEET; THENCE N.01°06'32"W., 336.08 FEET; THENCE S.88°54'35"W., 264.10 FEET TO A POINT ON THE WEST LINE OF SAID NW 1/4; THENCE N.01°06'32"W., 30.37 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA, CONTAINING 8.98 ACRES, MORE OR LESS.

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REVISED ON 01/26/11

CERTIFIED TO:
CASIN BUILDERS, INC.

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

01/14/11 FIELD SURVEY DATE
01/17/11 DRAWING DATE

Scott Britt
SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



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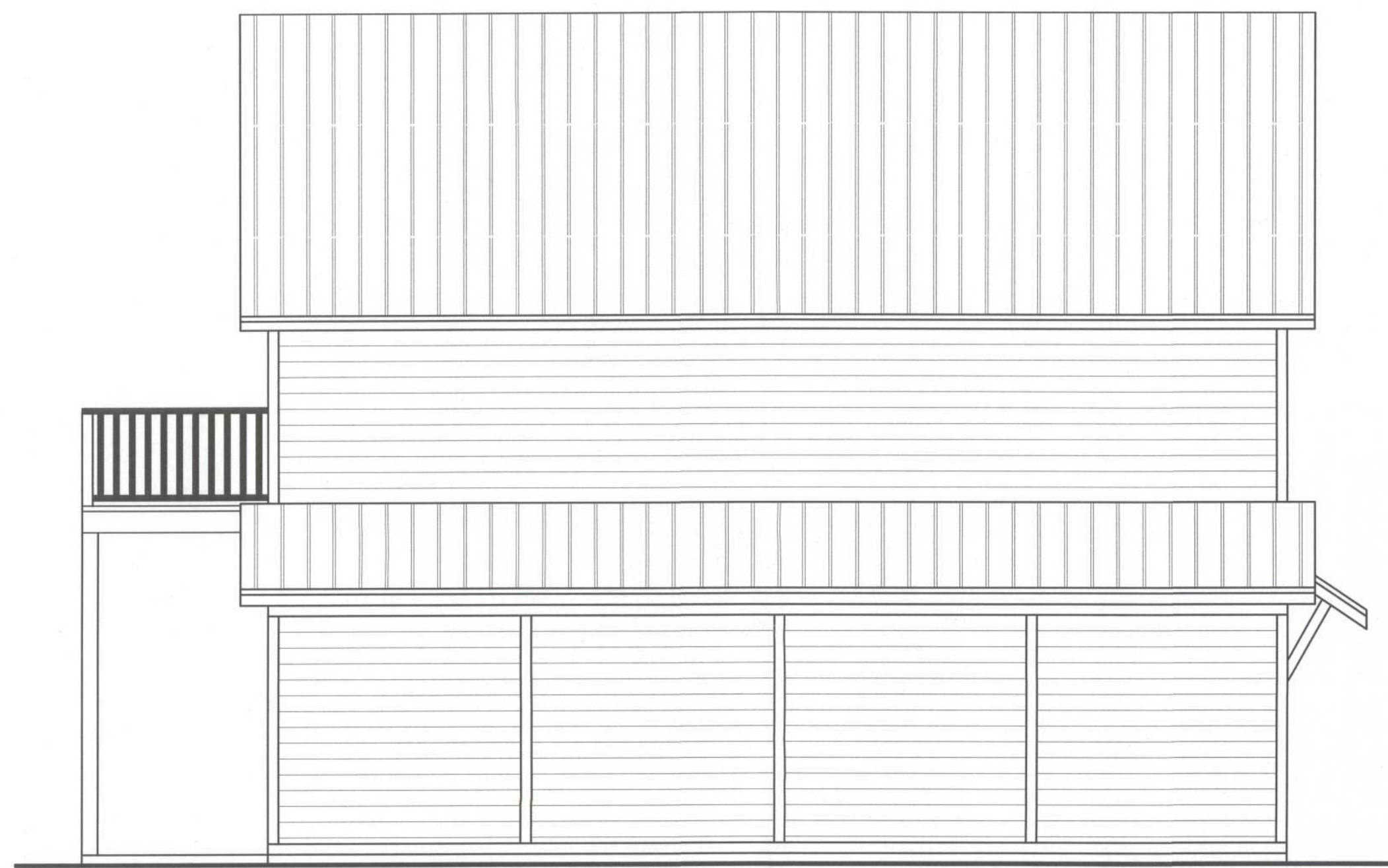
www.brittsurvey.com
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-20745

FIELD BOOK: SEE PAGE(S): FILE

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



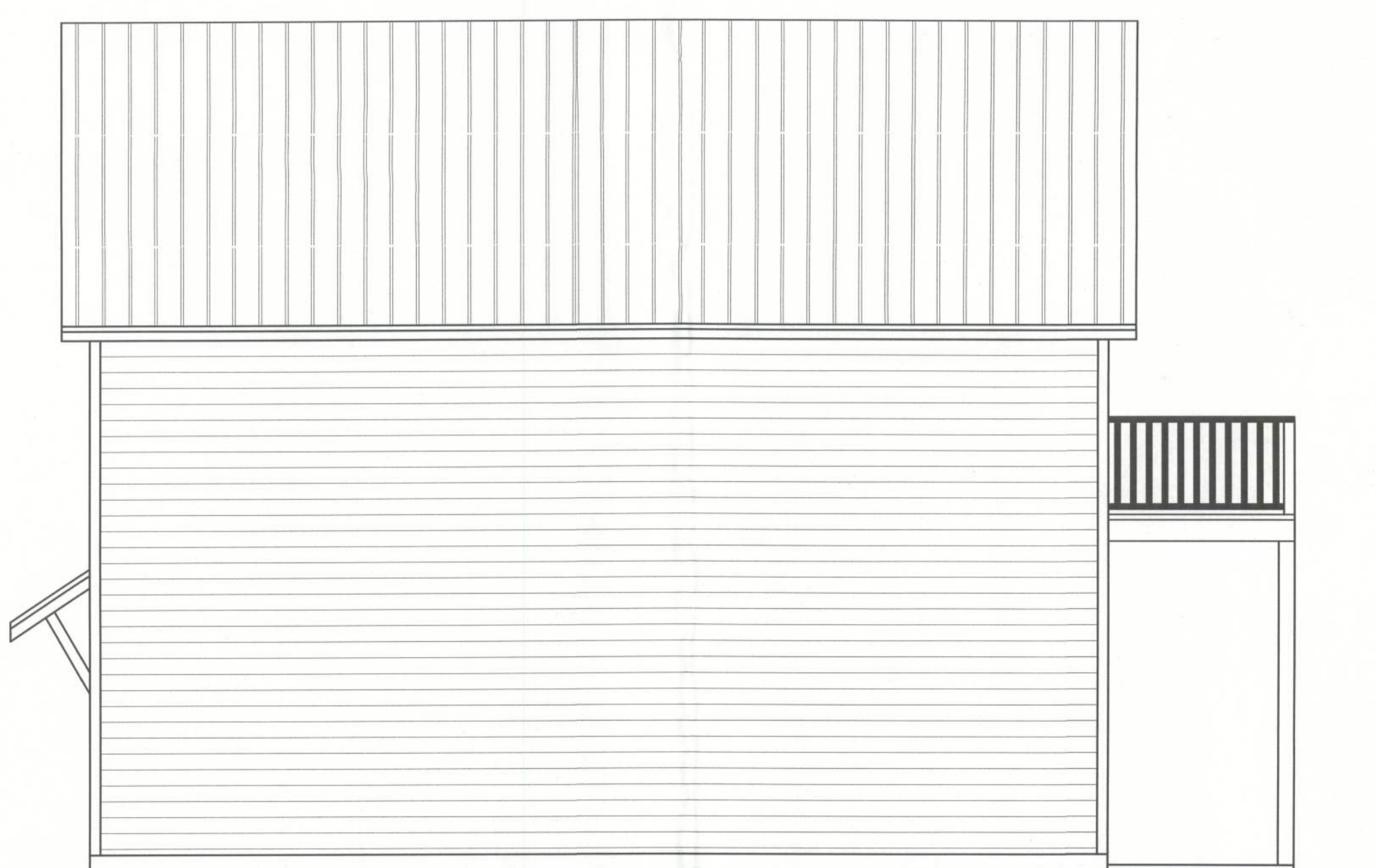
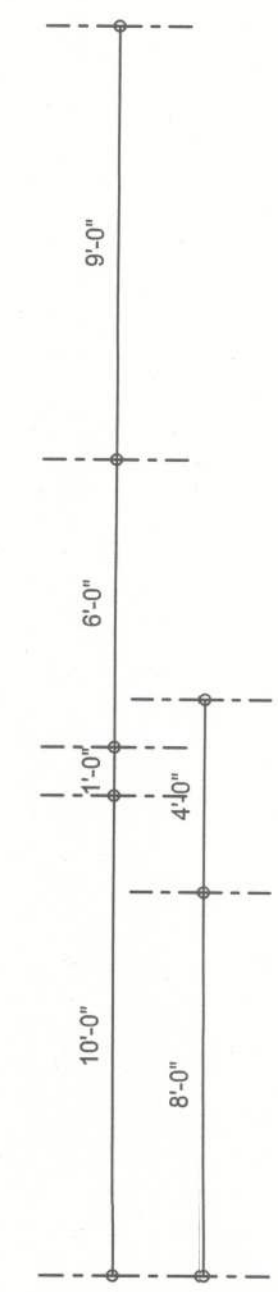
LEFT ELEVATION
SCALE: 1/4" = 1'-0"



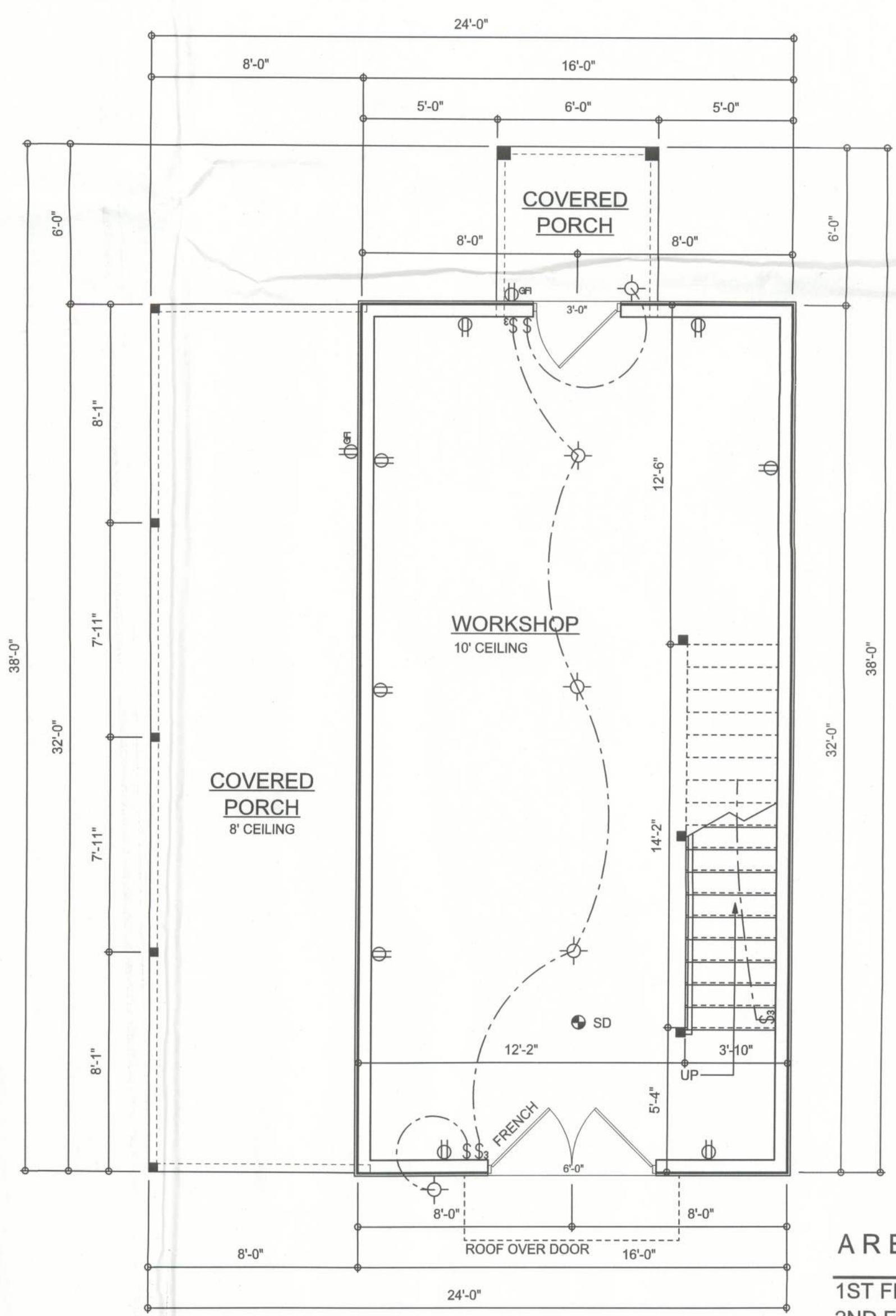
REAR ELEVATION
SCALE: 1/4" = 1'-0"



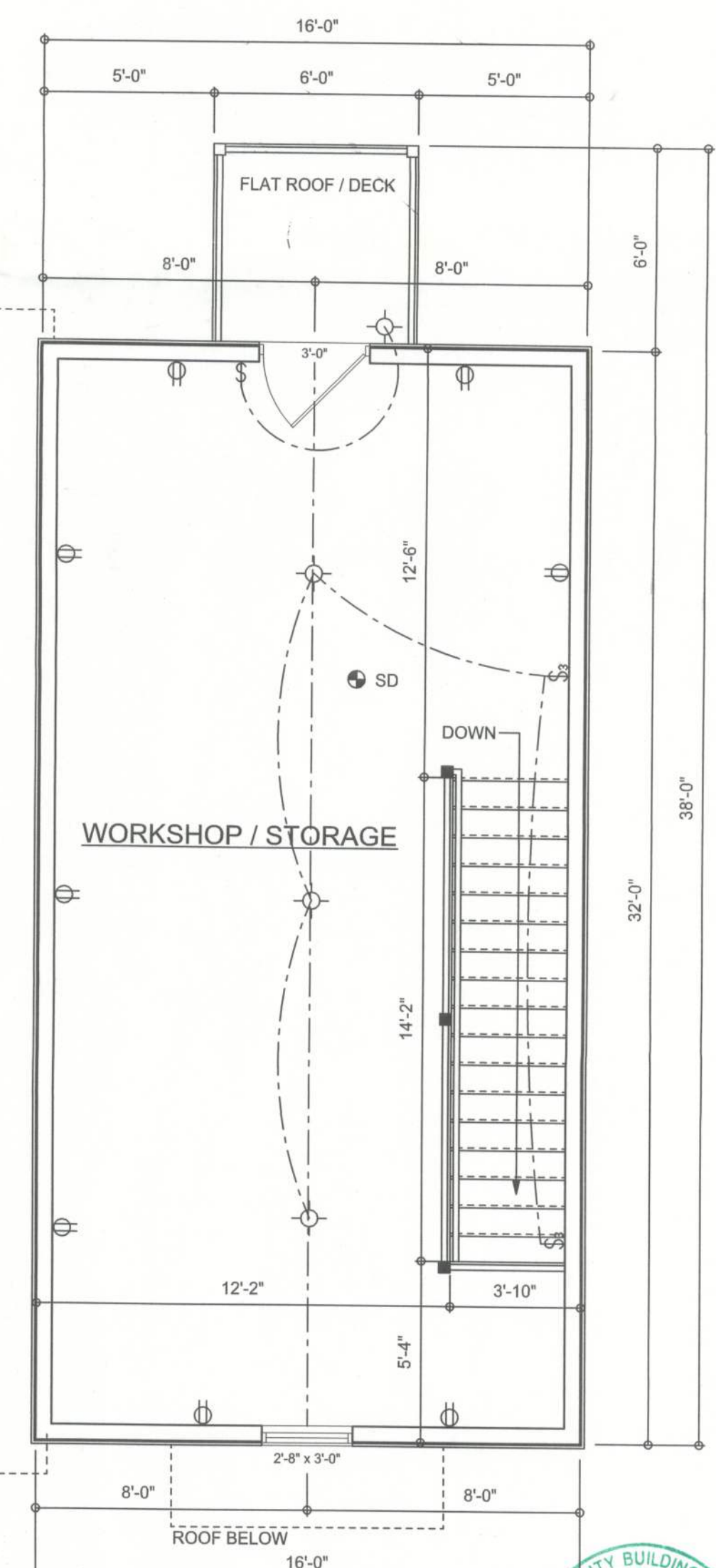
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



1ST FLOOR PLAN
SCALE: 1/4" = 1'-0"



2ND FLOOR PLAN
SCALE: 1/4" = 1'-0"

AREA SUMMARY

1ST FLOOR AREA	384	S. F.
2ND FLOOR AREA	384	S. F.
PORCH AREA	228	S. F.
TOTAL AREA	996	S. F.

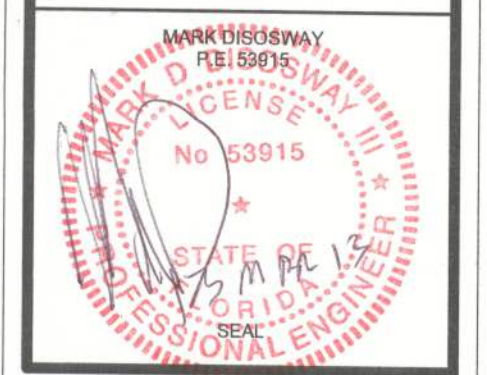
WINDLOAD ENGINEER: Mark Disoway, P.E. No. 53915, POB 868, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS: Mark Disoway, P.E. hereby expressly reserves its common law copyright and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disoway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section FC01 2.1, 2010 Florida Building Code Residential to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.



Cason Builders Inc

Tucker Workshop

ADDRESS:
Columbia County, Florida

Mark Disoway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
March 13, 2013

DRAWN BY: Evan Beamsley STRUCTURAL BY: Evan Beamsley

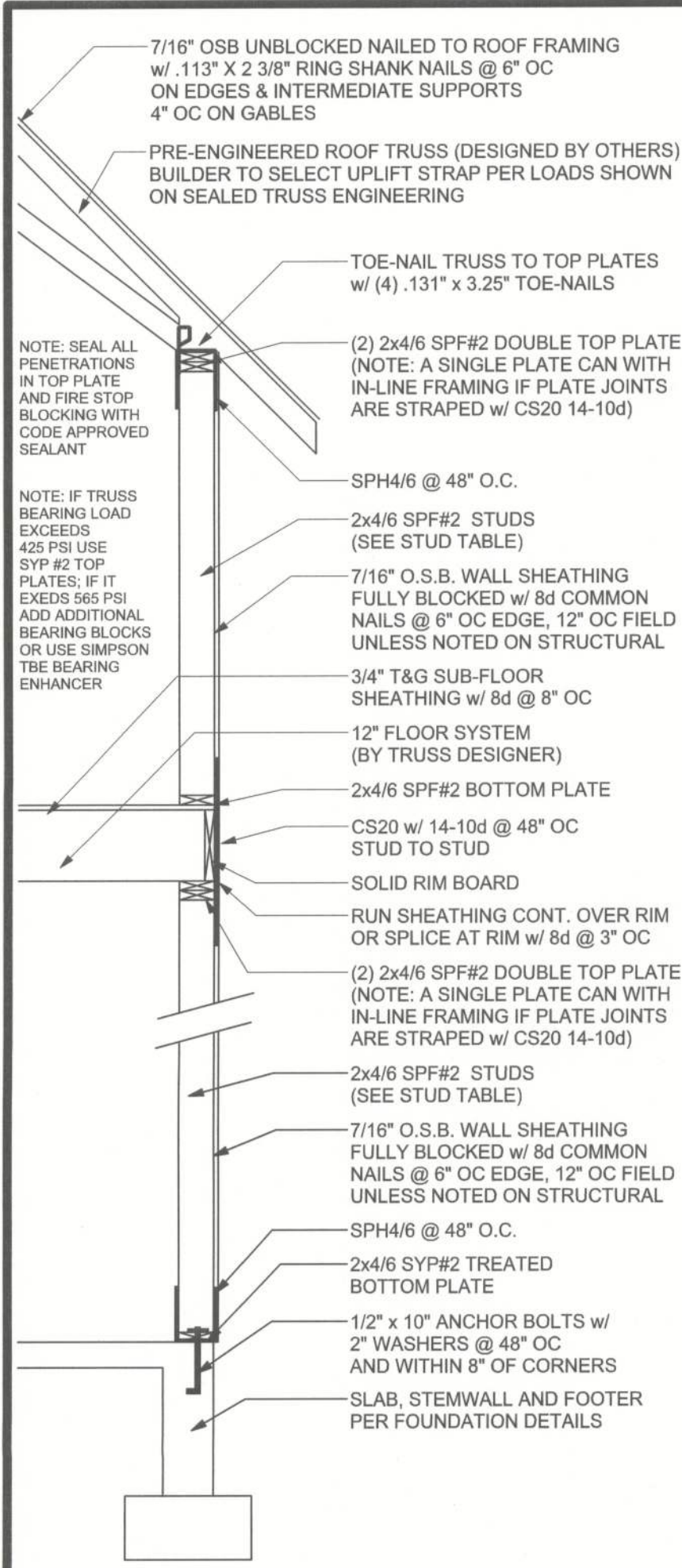
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2013-03-13

JOB NUMBER:
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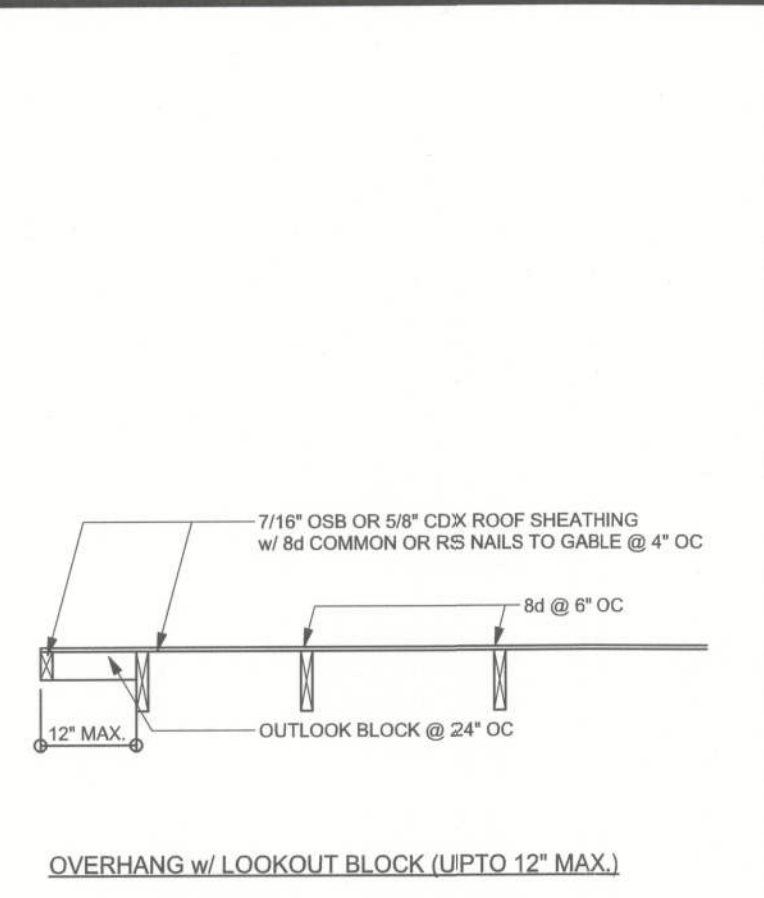
DRAWING NUMBER
#1

OF 3 SHEETS

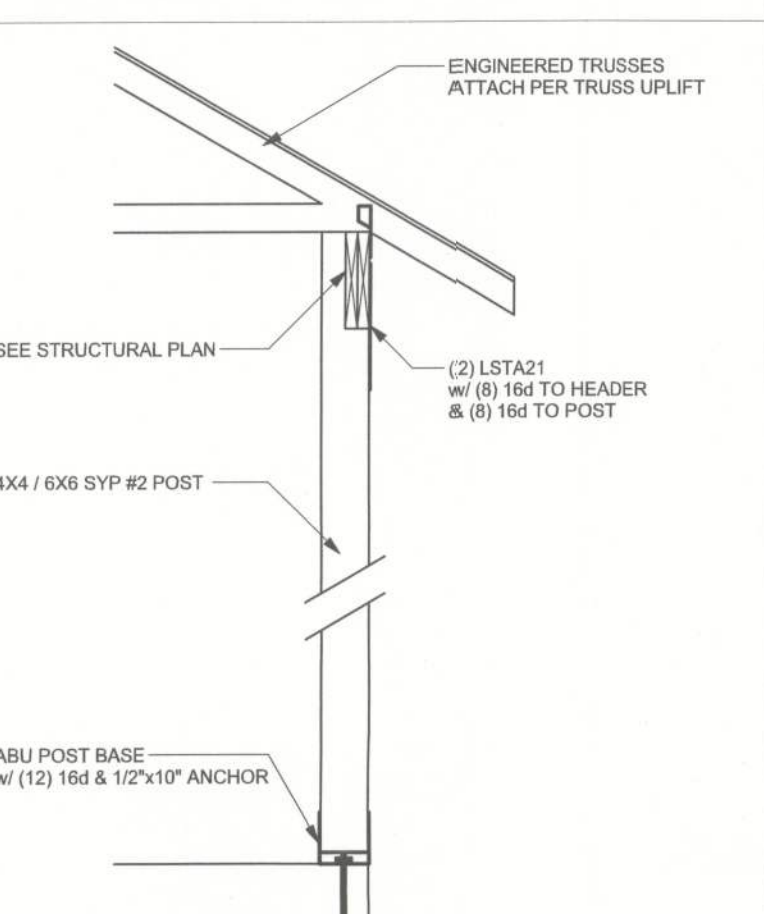




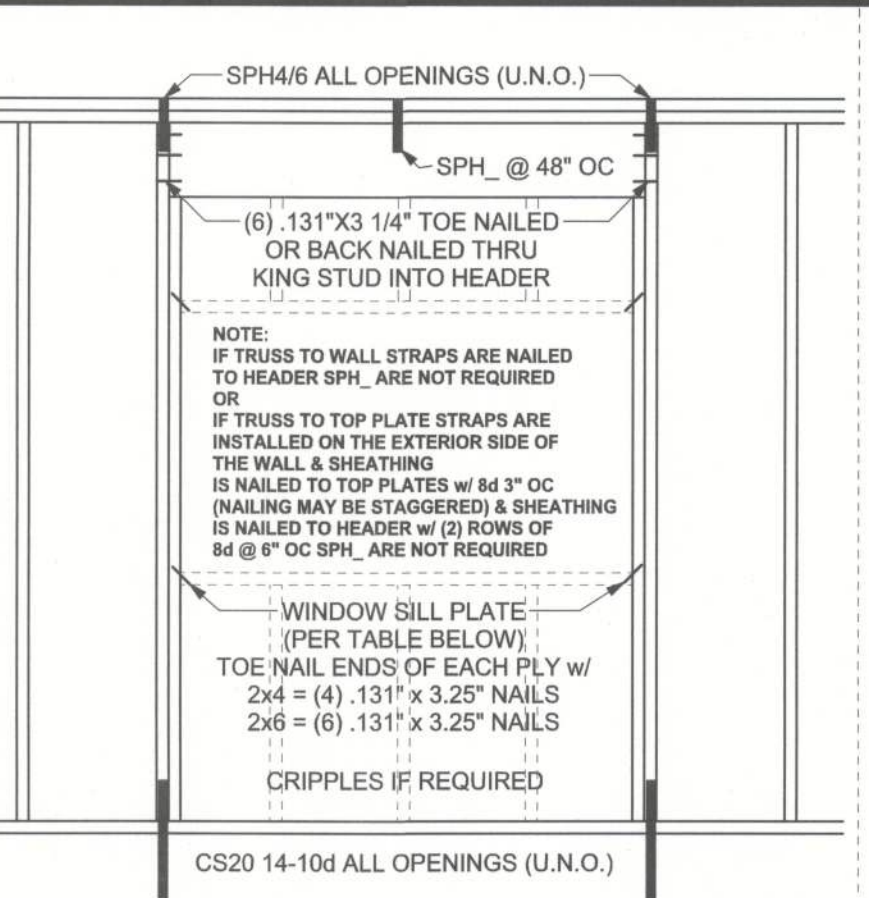
TWO STORY WALL SECTION
SCALE: 1/2" = 1'-0"



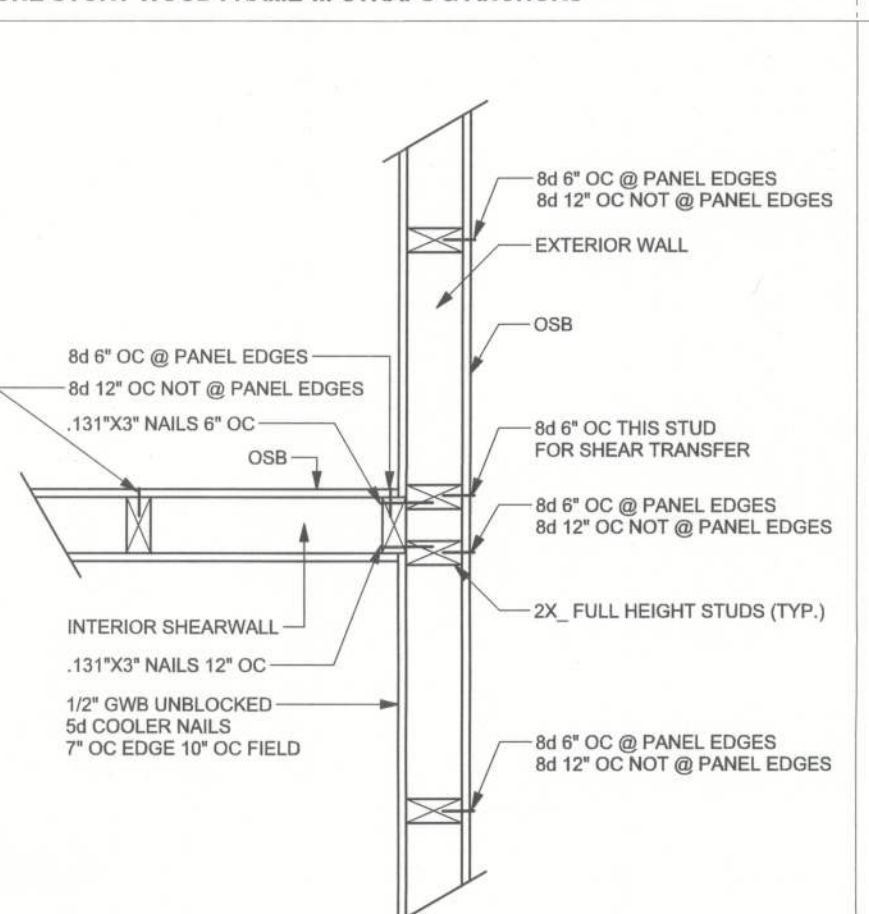
PORCH GABLE OVERHANG DETAIL
FRAMED ROOF @ GABLE WALL SCALE: 1/2" = 1'-0"



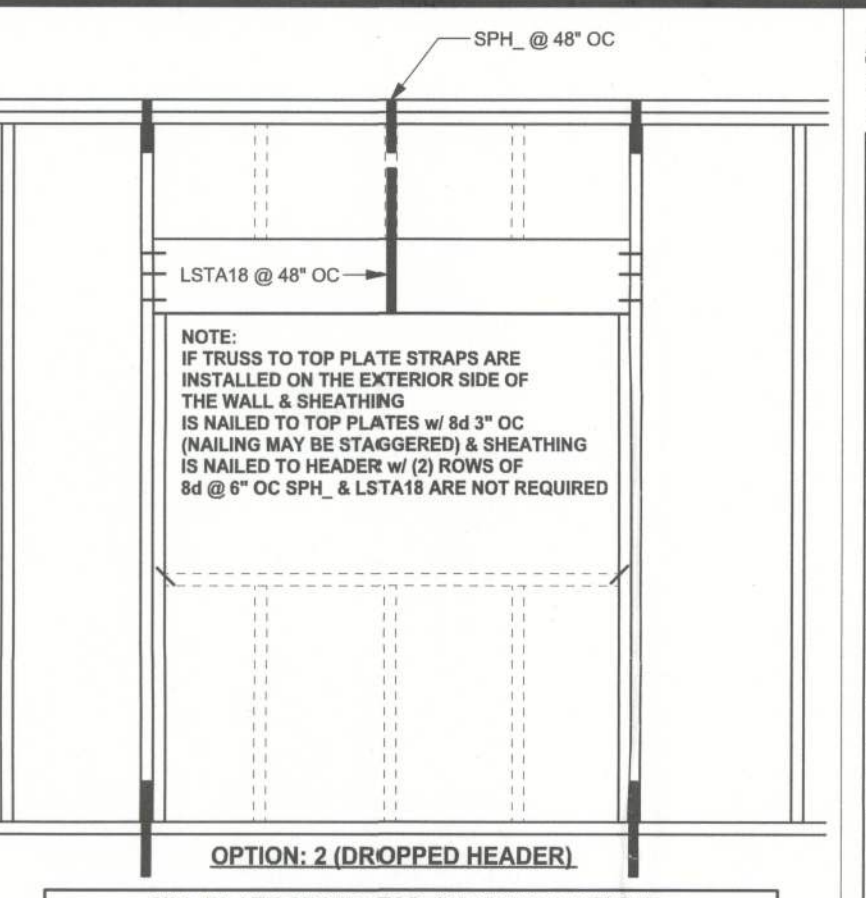
(TYP.) PORCH POST
ONE STORY WOOD



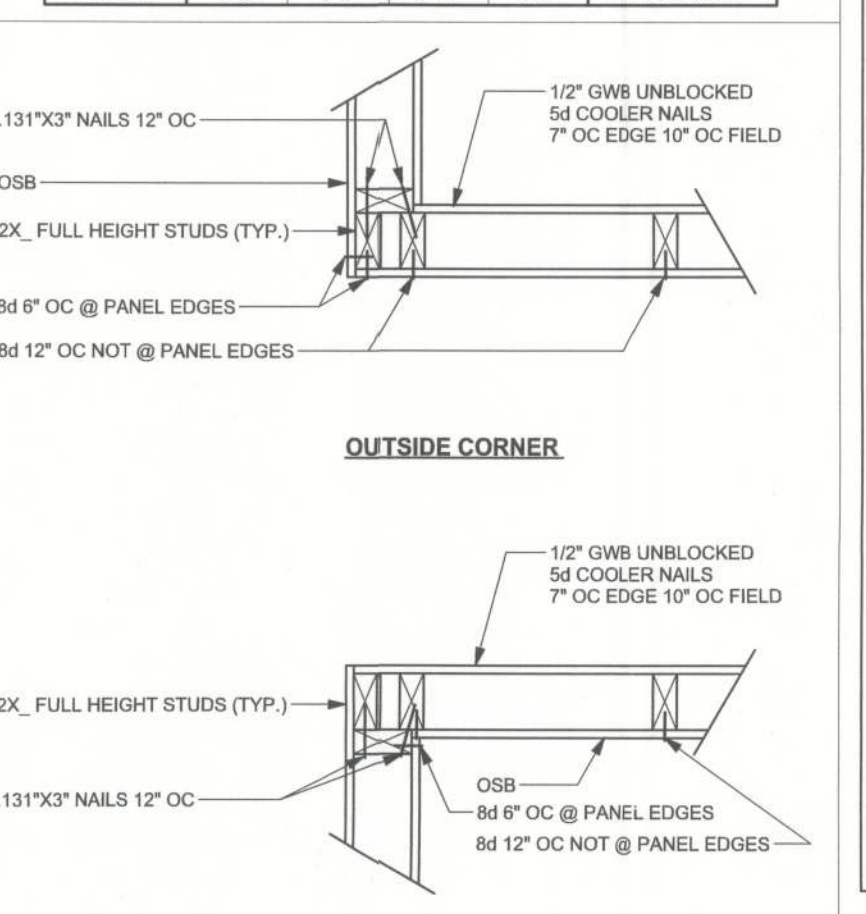
TYPICAL HEADER STRAPPING DETAIL
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



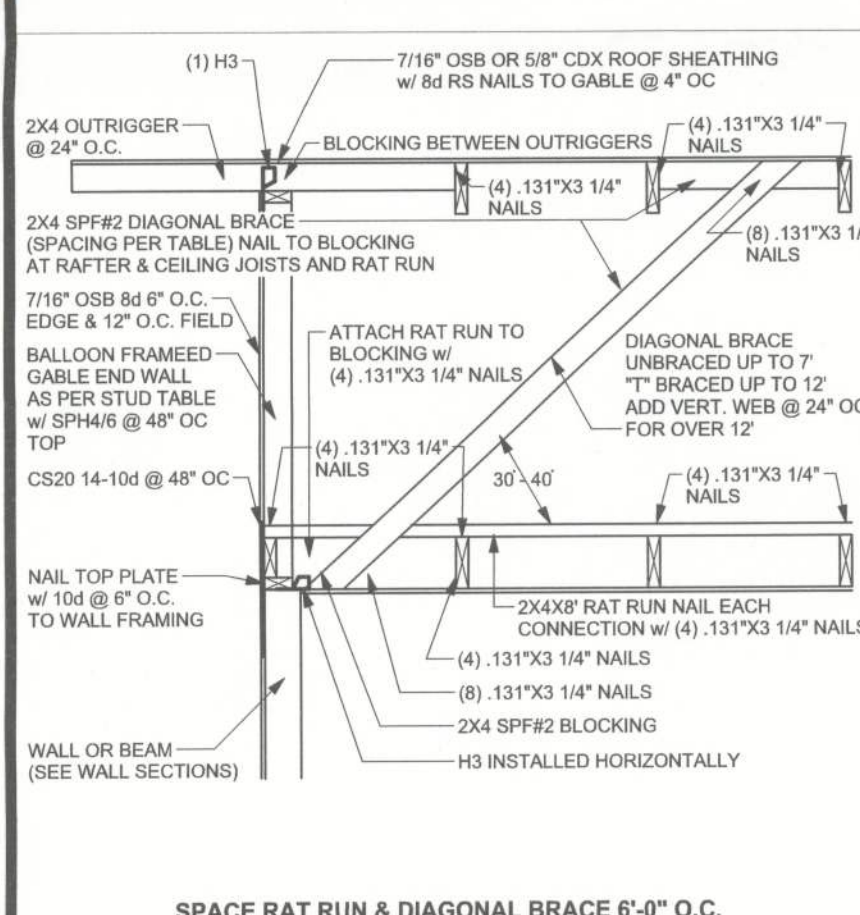
(TYP.) INTERSECTING WALL FRAMING
WOOD FRAME



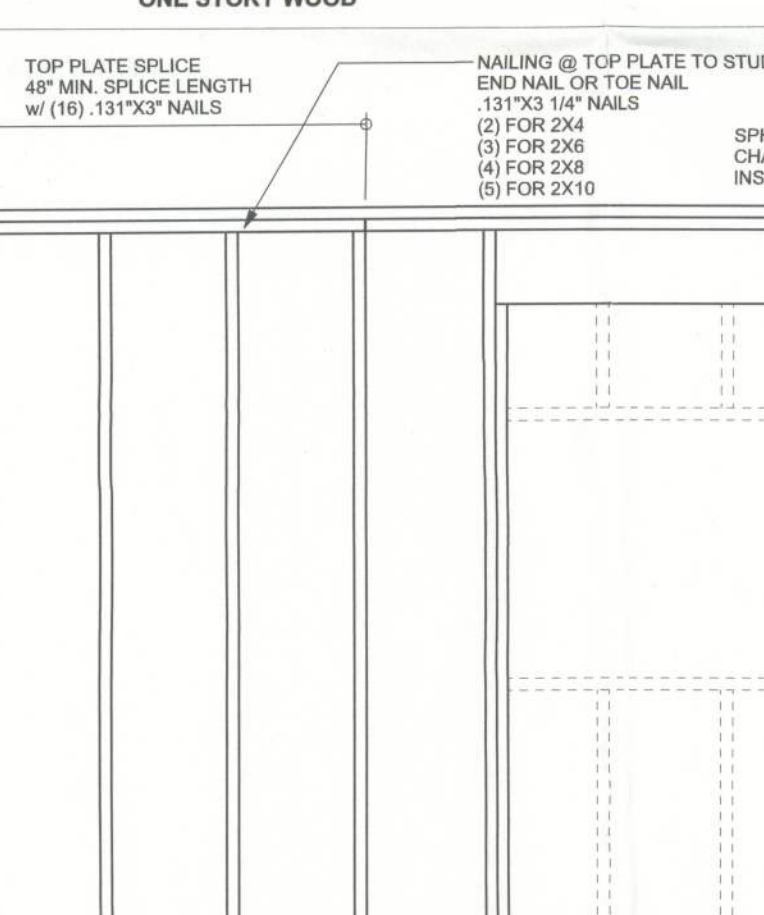
OPTION 2 (DROPPED HEADER)



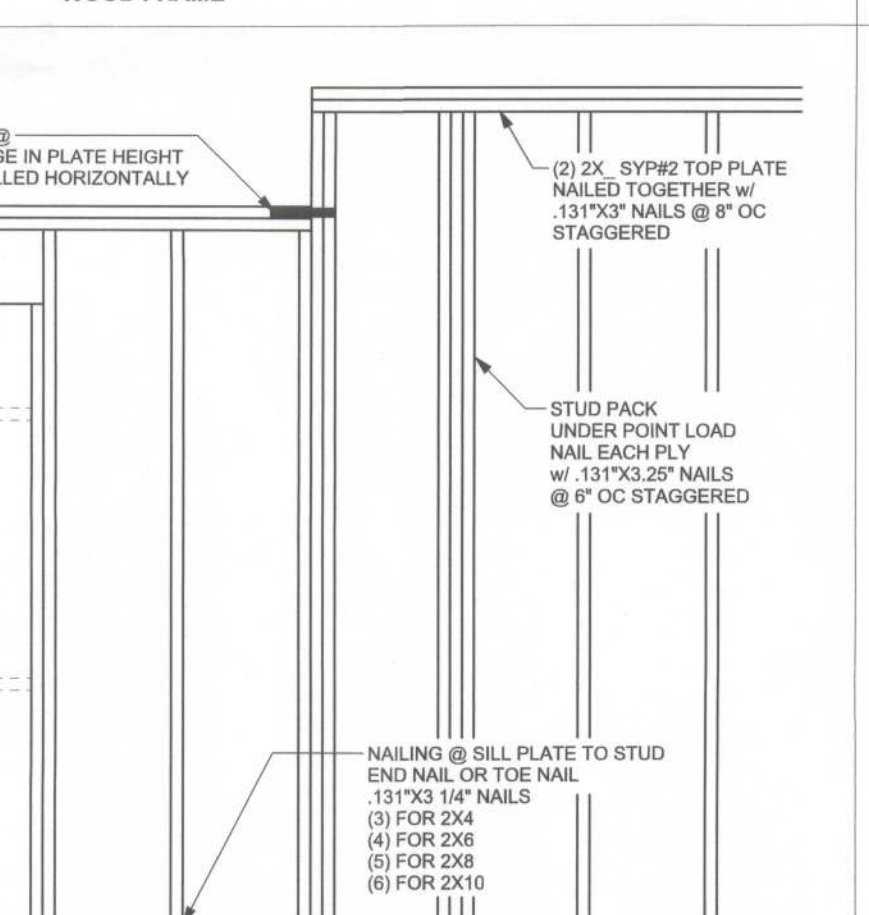
(TYP.) CORNER FRAMING
WOOD FRAME



(TYP.) GABLE BRACING DETAIL
WOOD FRAME



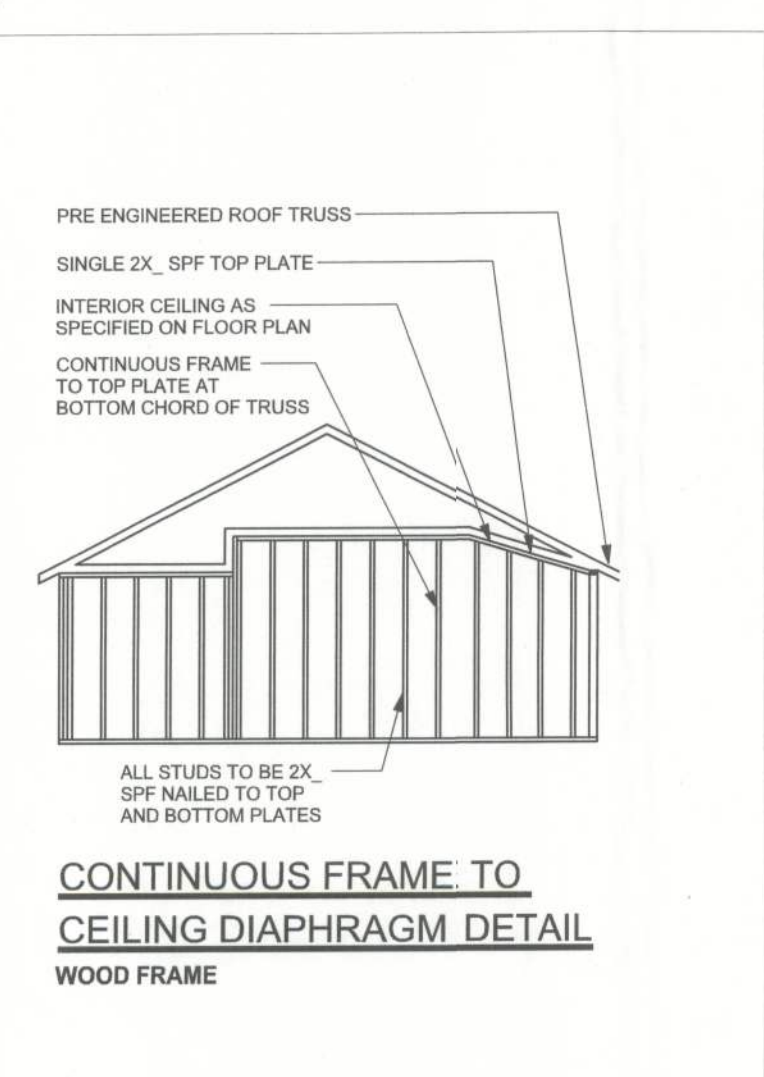
(TYP.) FRAMED WALL CONNECTIONS
ONE STORY WOOD FRAME N.T.S.



MAXIMUM EXTERIOR STUD LENGTHS (EXPOSURE C)

GRADE & SPECIES TABLE

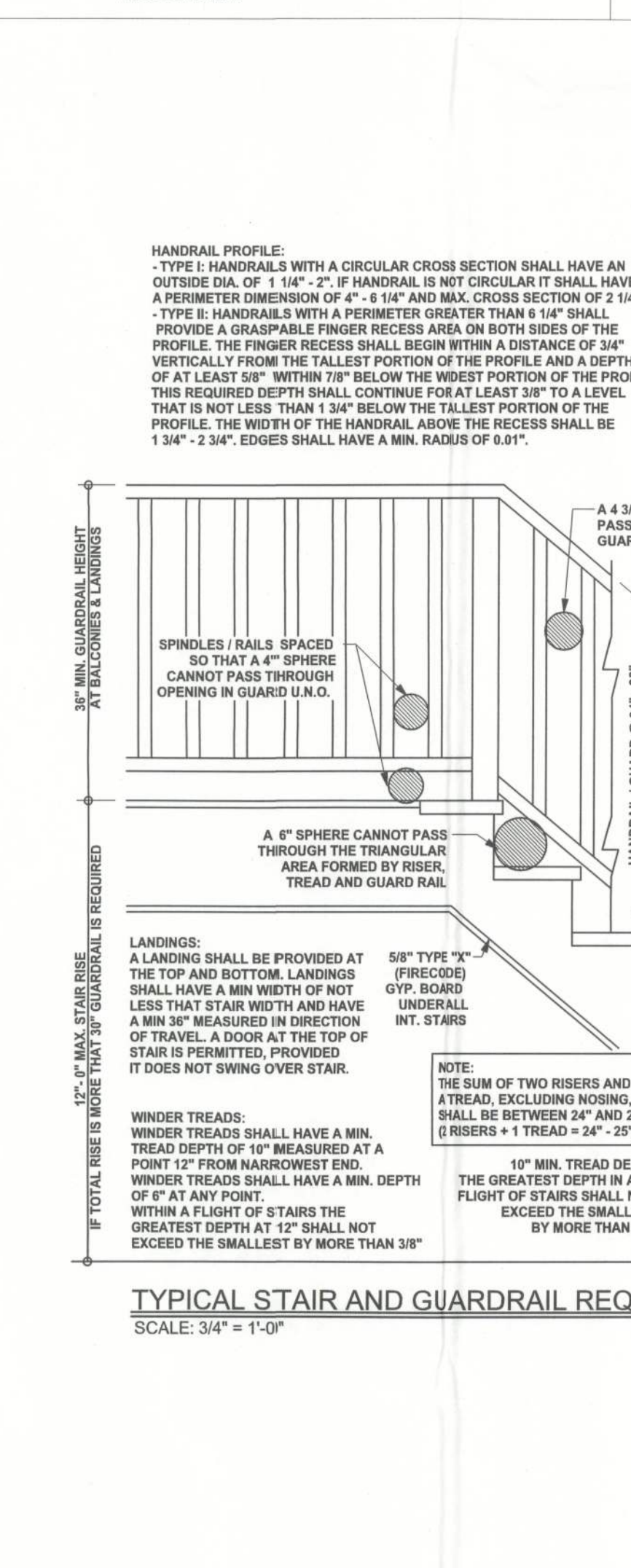
	Fb (psi)	E (10 ⁶ psi)
2x8 SYP #2	1200	1.6
2x10 SYP #2	1050	1.6
2x12 SYP #2	975	1.6
GLB 24F-V3 SP	2400	1.8
LSL TIMBERSTRAND	1700	1.7
LVL MICROLAM	2900	2.0
PSL PARALAM	2900	2.0



CONTINUOUS FRAME TO CEILING DIAPHRAGM DETAIL
WOOD FRAME

EXTERIOR WALL STUD TABLE
BASED ON WFCM TABLE A-3.20B

WIND SPEED	STUD SPACING	SPECIES & GRADE OF STUD					
		2x4	2x6	2x8	2x4	2x6	2x8
130 MPH	12" OC	11'-7"	18'-7"	20'-0"	12'-2"	19'-6"	20'-0"
	16" OC	10'-8"	16'-10"	20'-0"	11'-0"	17'-7"	20'-0"
	24" OC	9'-1"	14'-5"	17'-10"	9'-6"	15'-2"	19'-2"



TYPICAL STAIR AND GUARDRAIL REQUIREMENTS
SCALE: 3/4" = 1'-0"

ANCHOR TABLE
OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

TRUSS CONNECTOR	UPLIFT SYP	UPLIFT SFF	F1 SYP	F2 SYP	F1 SFF	F2 SFF	TO RAFTER/TRUSS	TO PLATES
H5	455	265	115	200	100	170	4-8x x 1 1/2"	4-8x x 1 1/2"
H3	415	290	125	160	105	140	4-8x x 1 1/2"	4-8x x 1 1/2"
H2.5	415	365	150	130	130	130	5-8x x 1 1/2"	5-8x x 1 1/2"
H2.5A	480	480	110	110	110	110	5-8x x 1 1/2"	5-8x x 1 1/2"
H6	950	820					8-8	8-8
H8	745	955					5-10x x 1 1/2"	5-10x x 1 1/2"
H14-1	1465	1050	515	265	480	245	12-8x x 1 1/2"	13-8x
H14-2	1465	1050	515	265	480	245	12-8x x 1 1/2"	15-8x
H10	990	850	585	525	505	455	8-8x x 1 1/2"	8-8x x 1 1/2"
H10-2	760	855	385	390	340		6-10x	6-10x
H16	1470	1265					2-10x x 1 1/2"	10-10x x 1 1/2"
H16-2	1470	1265					2-10x x 1 1/2"	10-10x x 1 1/2"
LT912 - LT920	1000	820					6-10x x 1 1/2"	6-10x x 1 1/2"
MT912 - MT930	1000	860					7-10x x 1 1/2"	7-10x x 1 1/2"
HT916 - HT930	1450	1245					12-10x x 1 1/2"	12-10x x 1 1/2"

(1) w/ INSTALLATION OF 4-16ds OPTIONAL NAIL HOLES
(2) FOR SYP GIRDER & SYP STUDS

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE 2010 FBCR. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, TRUSS MANUFACTURING, TRUSS ERECTION, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE TRUSS MANUFACTURER. THE DESIGN ENGINEER, IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTION LOADS ON THE BUILDING STRUCTURE. STRAP 2X8 RAFTERS WITH MIN UPLIFT CONNECTION 4x15LB EACH END, 2X8 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN. FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 100 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVIDES OTHERWISE).

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F_c = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" @ W1.4 x W1.4, FB = 8KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A186, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 2FT. DO NOT CUT W/WW REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE).

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, F_y = 60 KSI, ALL LAP SPLICES 40" DB (25" FOR #5 BARS); UNO, ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-16, UNO, C.

GLULAM BEAMS: GLB, 24F-V3 SP, F_b = 2400, E = 1800000, UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALC.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENERS TO BE 8d COMMON NAILS @ 12" OC PANEL EDGES, 12" OC INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY, 4" OC, UNO.

STRUCTURAL CONNECTORS: MANUFACTURER AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN 15" IN GROUTED CML.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; UNO.

NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

BUILDER'S RESPONSIBILITY

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK:

CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.

PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH 2010 FBCR REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION, IF YOU BELIEVE THE PLAN OMITTS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, TRUSS MANUFACTURING, TRUSS ERECTION, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

DESIGN DATA

WIND LOADS PER 2010 FLORIDA BUILDING CODE RESIDENTIAL, SECTION R301.2.1
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1) BASIC WIND SPEED = 130 MPH, (3 SEC GUST, 33 FT, EXP. C)

2) WIND EXPOSURE = C, BUILDER MUST FIELD VERIFY

3) TOPOGRAPHIC FACTOR = 1.0, BUILDER MUST FIELD VERIFY

4) BUILDING CATEGORY = II, (MRI = 700 YR)

5) ROOF ANGLE = 7-45 DEGREES

6) MEAN ROOF HEIGHT = <30 FT

7) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

8) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))

Garage Door

Zone	Effective Wind Area (ft ²)	10	15	20
1	39 - 43			
2	39 - 43			
3	39 - 100			
4	43 - 46			
5	43 - 57			

Garage Door
2010 FBCR
Table R301.2.4(4)

Garage Door	37	42
8x7 Garage Door	37	42
16x7 Garage Door	36	40

DESIGN LOADS

FLOOR: 40 PSF (ALL OTHER DWELLING ROOMS)

30 PSF (SLEEPING ROOMS)

30 PSF (ATTICS WITH STORAGE)

10 PSF (ATTICS WITHOUT STORAGE, <312)

ROOF: 20 PSF (FLAT OR 4:12)

18 PSF (4:12 TO 12:12)

12 PSF (12:12 AND GREATER)

STAIRS: 40 PSF (ONE & TWO FAMILY DWELLINGS)

SOIL BEARING CAPACITY: 1000PSF

NOT IN FLOOD ZONE (BUILDER TO VERIFY)

REVISIONS

NO.	DESCRIPTION

SOFTPLAN
SOFTWARE FOR ARCHITECTS & ENGINEERS

WINDLOAD ENGINEER: Mark Disoway, PE No. 53915, POB 888, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have reviewed this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, 2010 Florida Building Code Residential to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

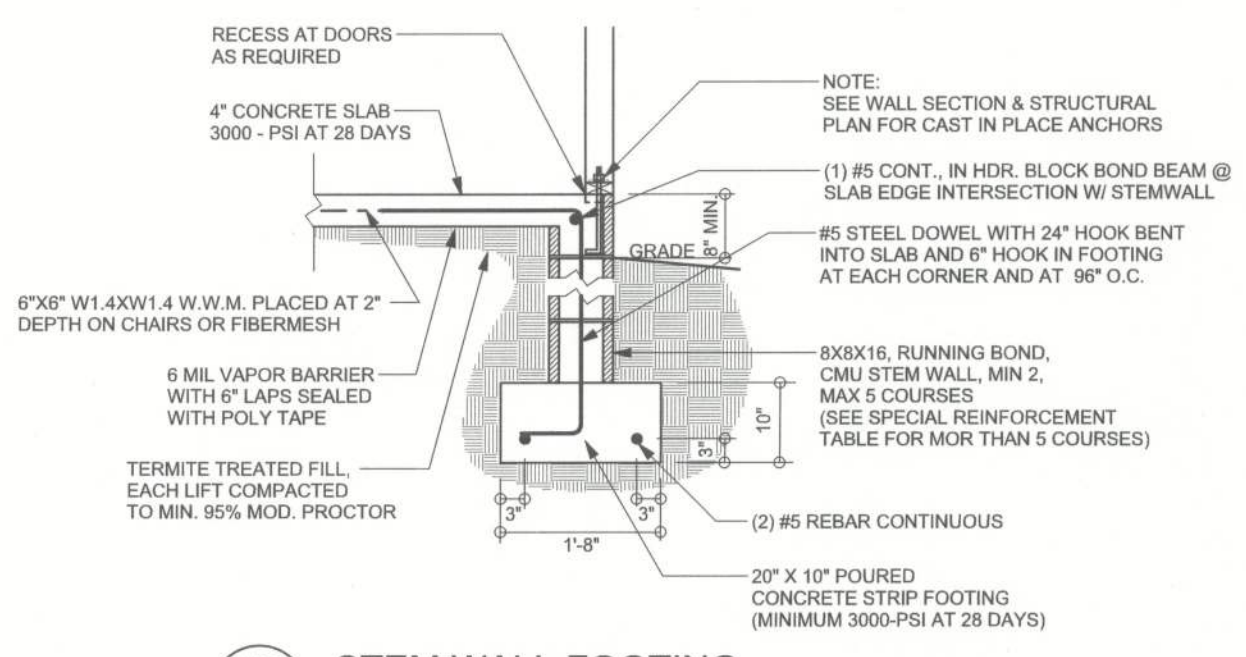
MARK DISOWAY
Professional Engineer
No. 53915
Professional Seal

Cason Builders Inc
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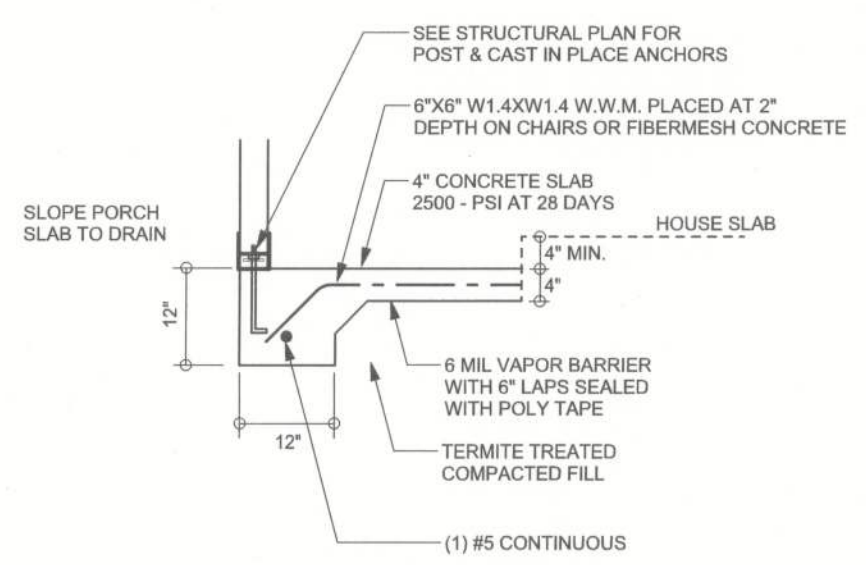
PRINTED DATE: March 13, 2013
DRAWN BY: Evan Beasley
STRUCTURAL BY: Evan Beasley
FINALS DATE: 2013-03-13
JOB NUMBER: 130209
DRAWING NUMBER
S-1
OF 3 SHEETS

REVISIONS

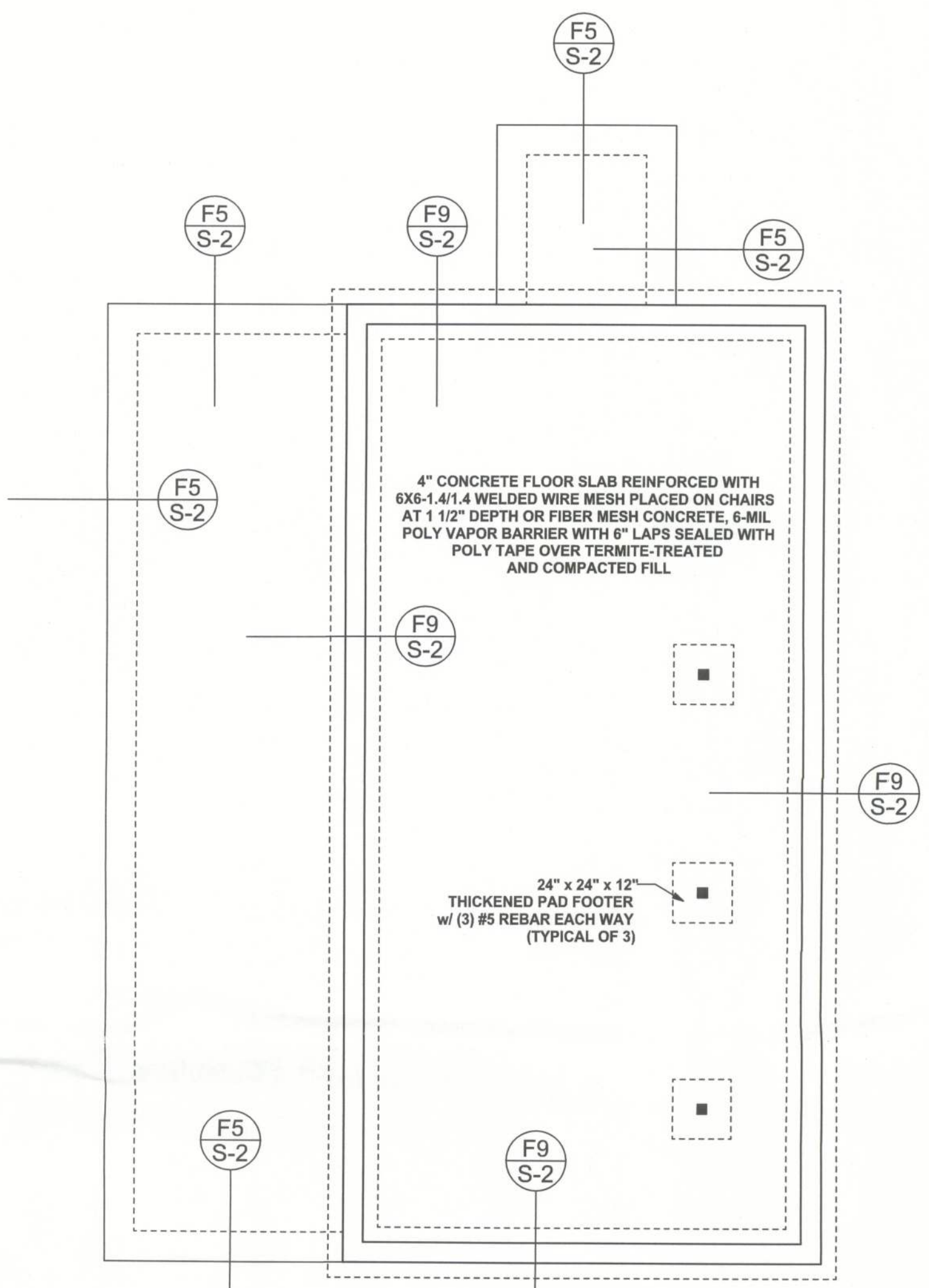
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



F9 S-2
SCALE: 1/2" = 1'-0"



F5 S-2
SCALE: 1/2" = 1'-0"

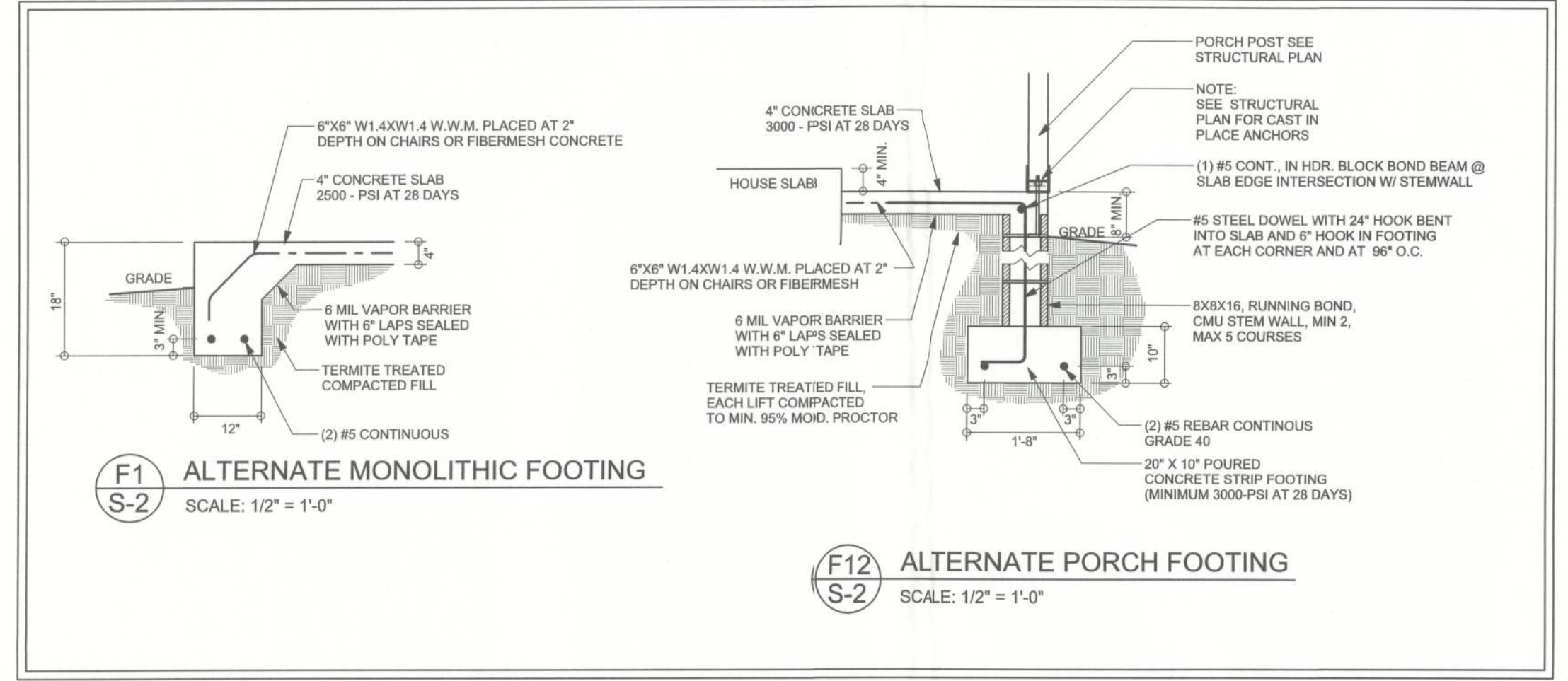


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

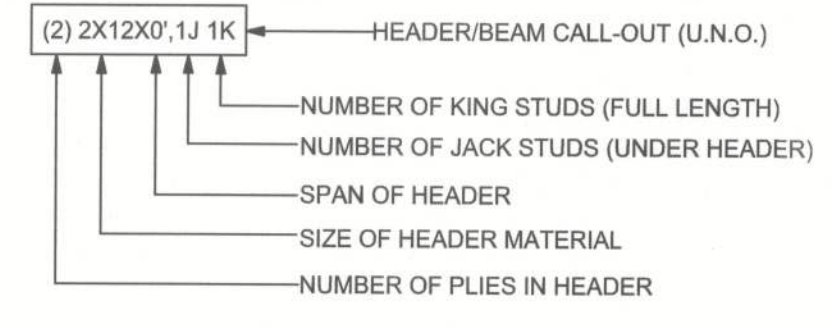
TALL STEM WALL TABLE

The table assumes 80 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 9' high, add Duralwall ladder reinforcement at 1700C vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48



HEADER LEGEND



TOTAL SHEAR WALL SEGMENTS

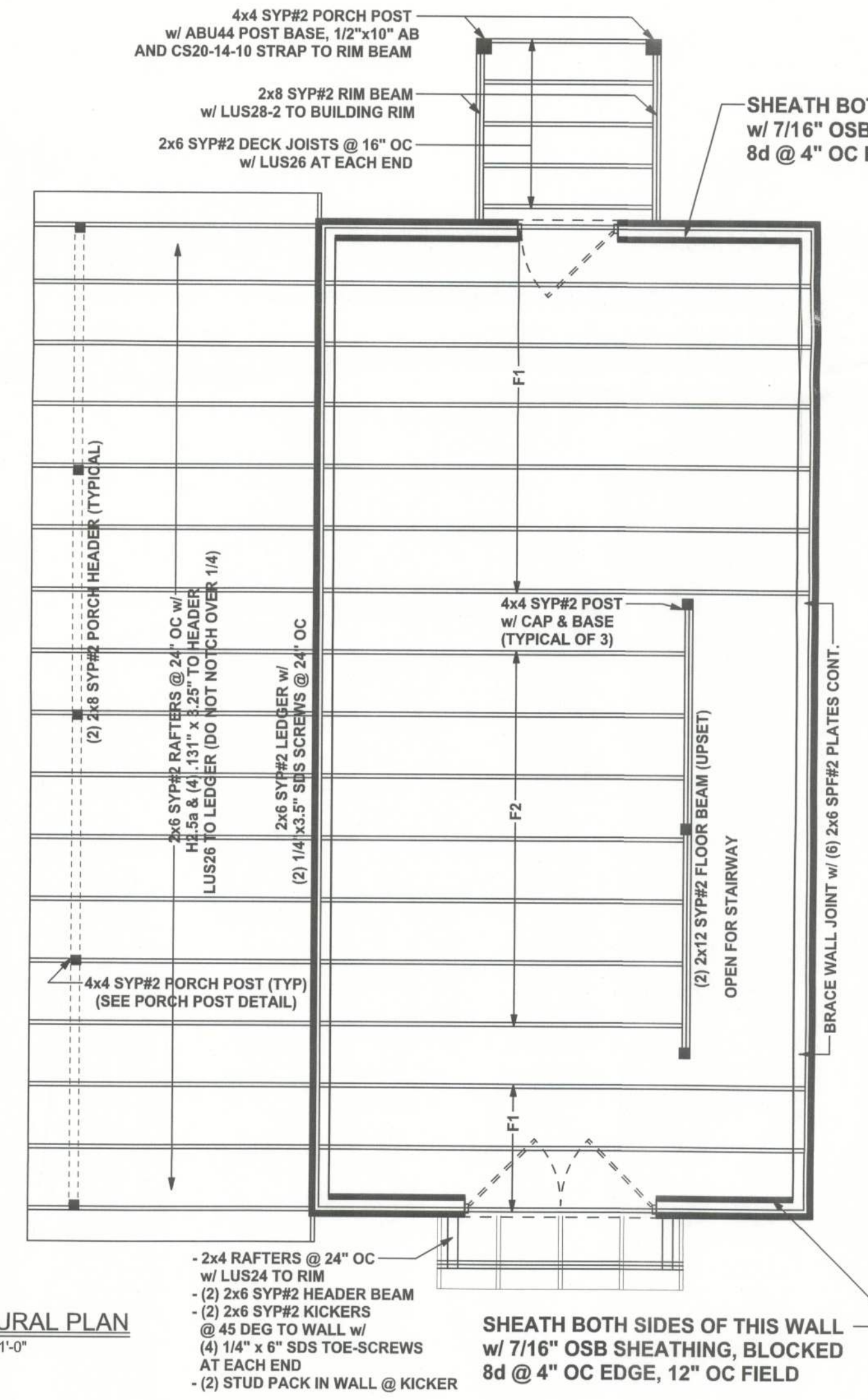
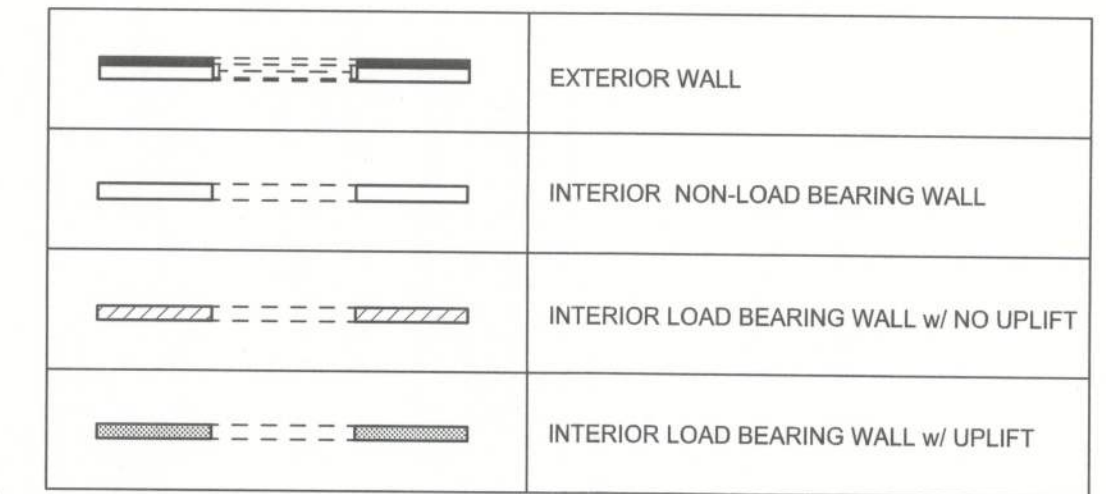
INDICATES SHEAR WALL SEGMENTS

FLOOR	REQUIRED	ACTUAL	FLOOR	REQUIRED	ACTUAL
1st FLOOR TRANSVERSE	18550 LBS	22540 LBS	2nd FLOOR TRANSVERSE	10086 LBS	11336 LBS
1st FLOOR LONGITUDINAL	6730 LBS	27904 LBS	2nd FLOOR LONGITUDINAL	2950 LBS	27904 LBS

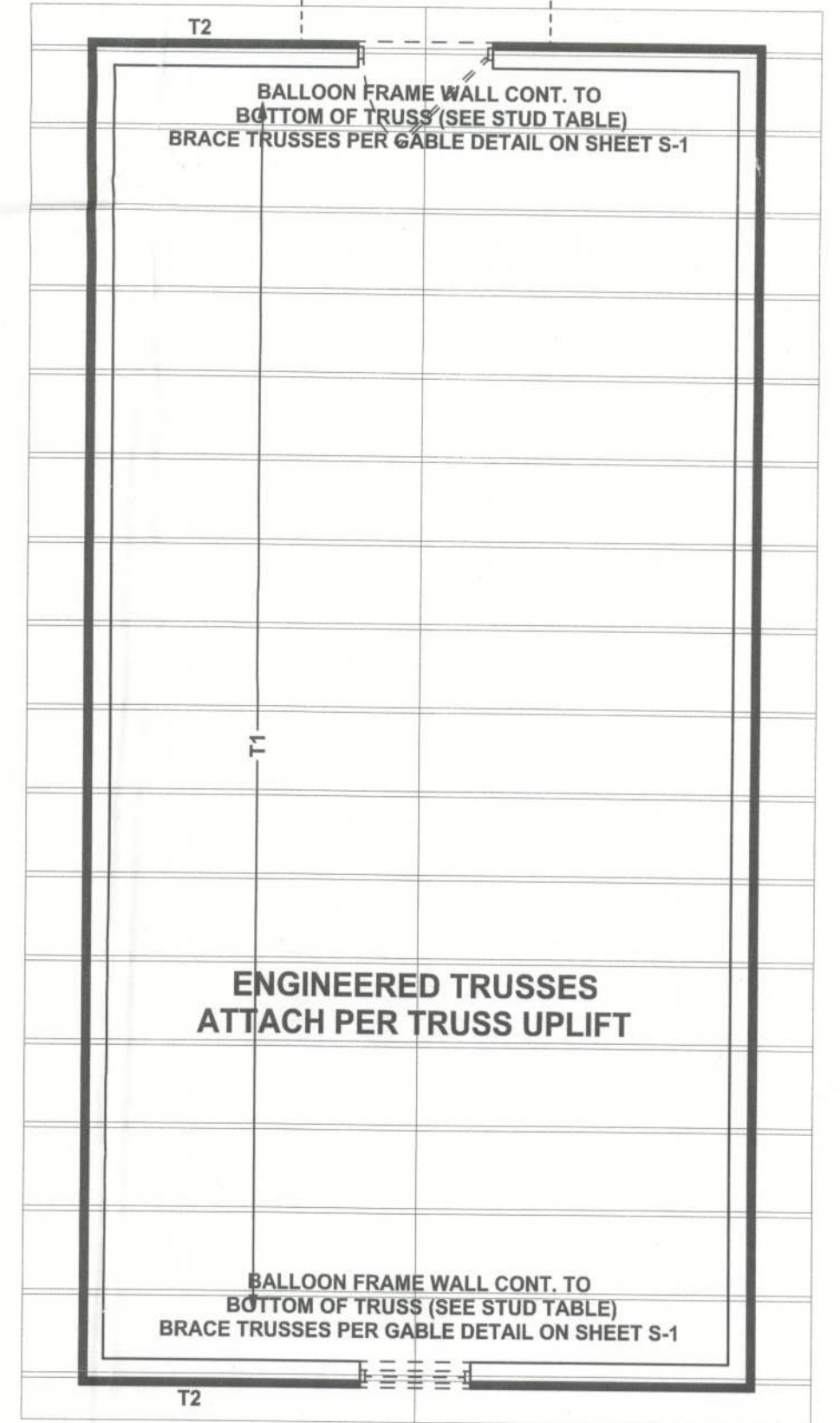
STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SPF #2 U.N.O.
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-4 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI1-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

WALL LEGEND



STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"



WINDLOAD ENGINEER: Mark Disoway, PE No. 53915, POB 868, Lake City, FL 32056, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, 2010 Florida Building Code Residential.

LIMITATION: This design is valid for one building, at specified location.

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PRINTED DATE:
March 13, 2013

DRAWN BY: Evan Beamsley
STRUCTURAL BY: Evan Beamsley

FINAL'S DATE:
2013-03-13

JOB NUMBER:
1302029

DRAWING NUMBER
S-2
OF 3 SHEETS