

REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3" ABOVE EAVE)
 $1620 \text{ S.F.} / 300 \times 50\% = 2.7 \text{ S.F.}$ RIDGE VENT AREA REQUIRED
24.5 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT
 $1620 \text{ S.F.} / 300 \times 50\% = 2.7 \text{ S.F.}$ SOFFIT VENT AREA REQUIRED
90 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN²/FT (.11 FT²/FT)
2. OFF-RIDGE VENTS = .70 FT² PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN²/FT (.03 FT²/FT)

REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3" ABOVE EAVE)
 $2000 \text{ S.F.} / 300 \times 50\% = 3.33 \text{ S.F.}$ RIDGE VENT AREA REQUIRED
30.30 FEET OF RIDGE VENT REQUIRED

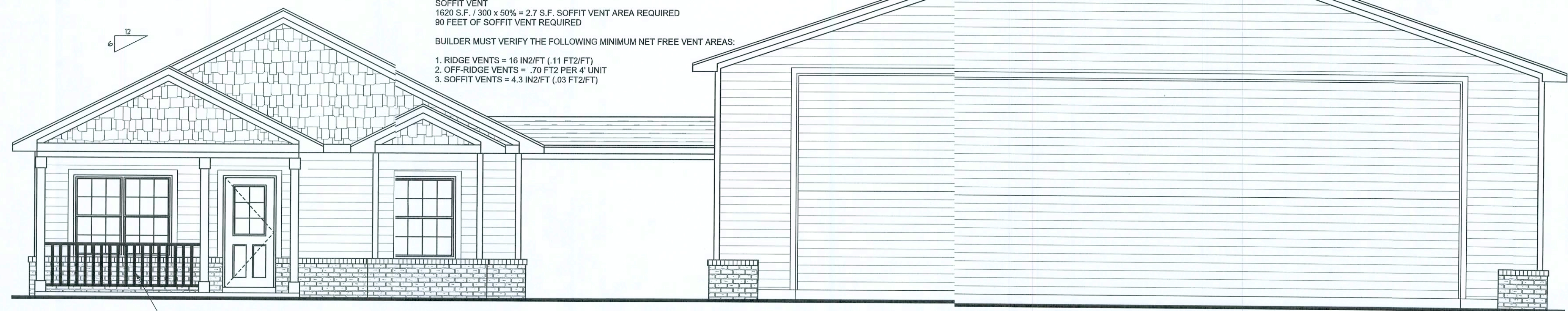
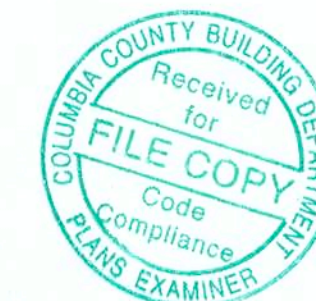
SOFFIT VENT
 $2000 \text{ S.F.} / 300 \times 50\% = 3.33 \text{ S.F.}$ SOFFIT VENT AREA REQUIRED
111 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

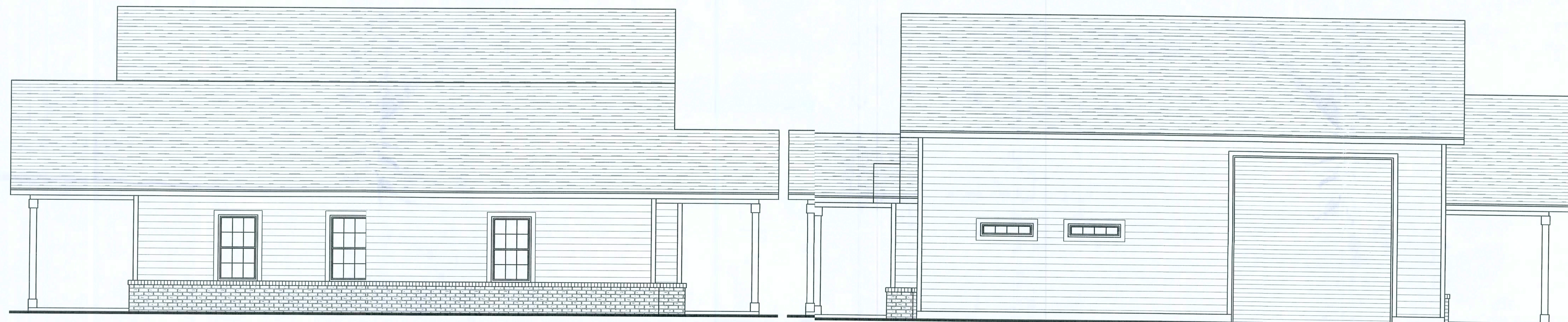
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2. OFF-RIDGE VENTS = .70 FT² PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN²/FT (.03 FT²/FT)

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

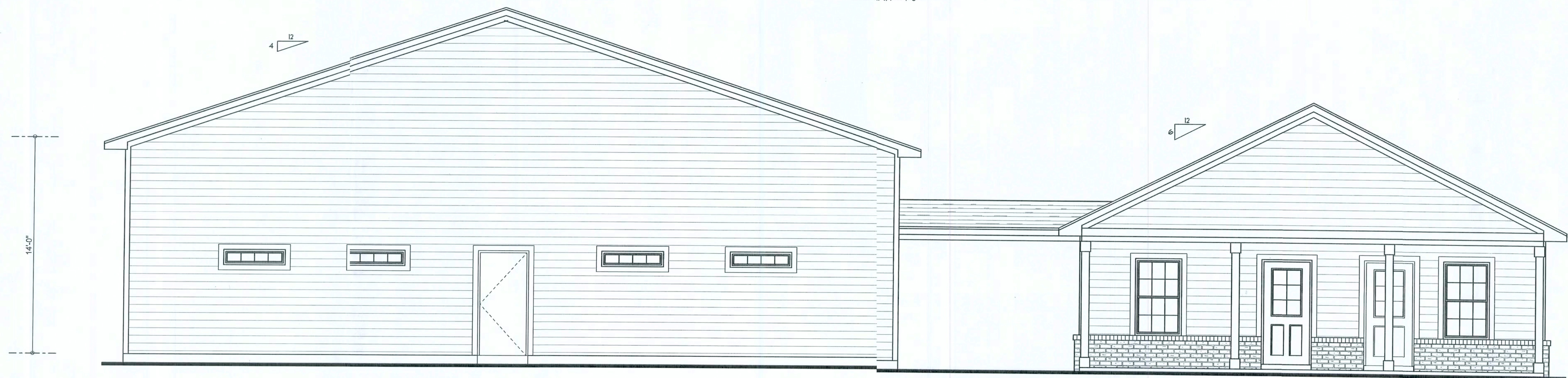


FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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

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



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

WINDLOAD ENGINEER:
Mark Disosway, P.E.
No. 53915, P.O. Box 850, Lake City, FL 32056,
386-754-5419

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

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CERTIFICATION: I hereby certify that I have examined this plan, and find the applicable portions of the plan, related to wind engineering comply with section F301.2.1, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISOSWAY
P.E. 53915

Mark Disosway
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PRINTED DATE:
March 11, 2010

DRAWN BY: David Disosway	STRUCTURAL BY: David Disosway
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10Mar10

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1002016

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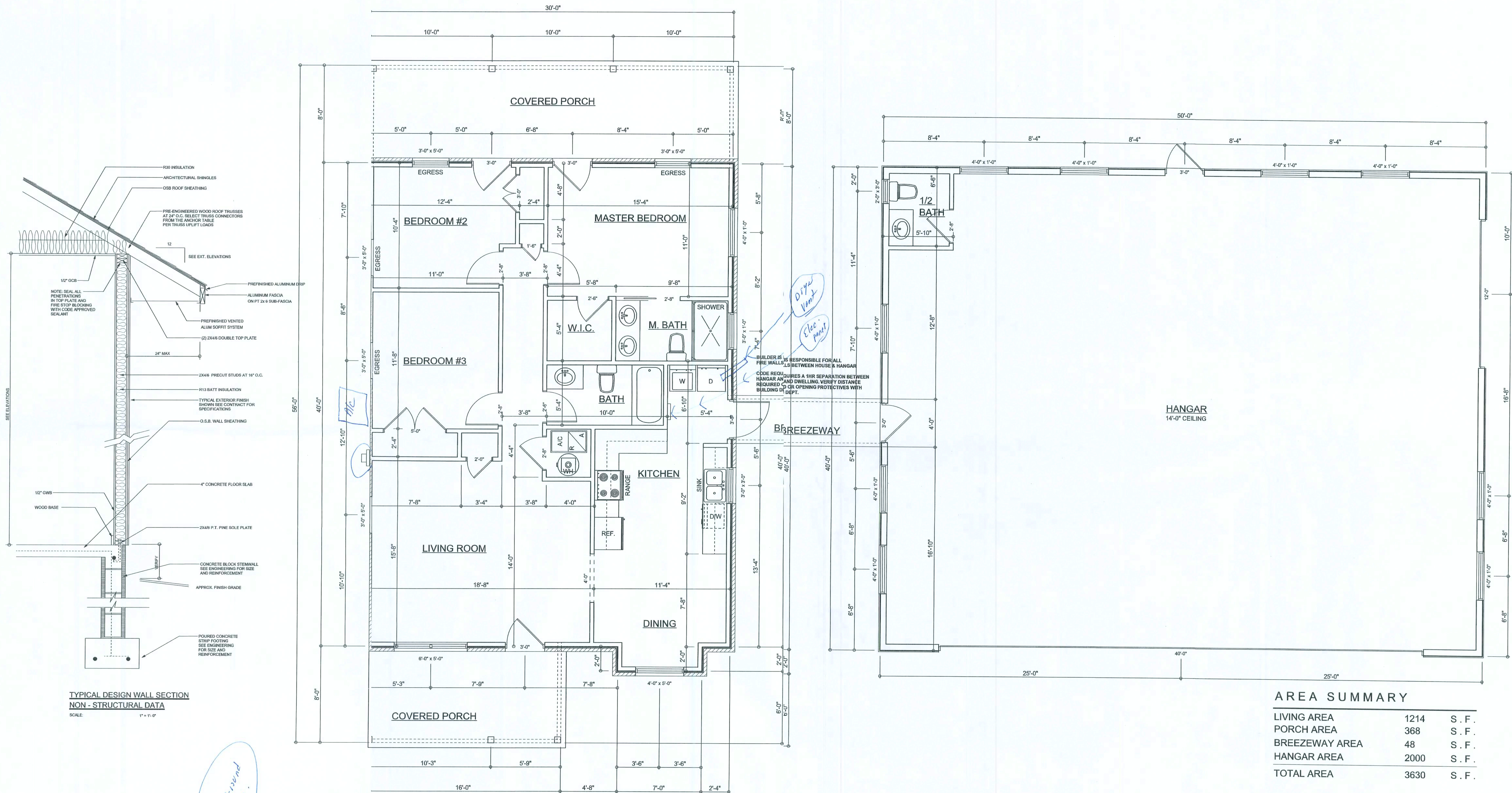
1

OF 6 SHEETS

Mark Disosway
Approved

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



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

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

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100206

DRAWING NUMBER
2

OF 6 SHEETS

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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DIMENSIONS:
Stated dimensions are scaled
dimensions. Refer all questions to
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Do not proceed without clarification.

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CERTIFICATION: hereby certify that I have
examined this plan and that the applicable
portions of the plan relating to
wind engineering comply with section
R501.2.1, Florida building code
residential 2007,
to the best of my knowledge.

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

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David Dsouway David Dsouway

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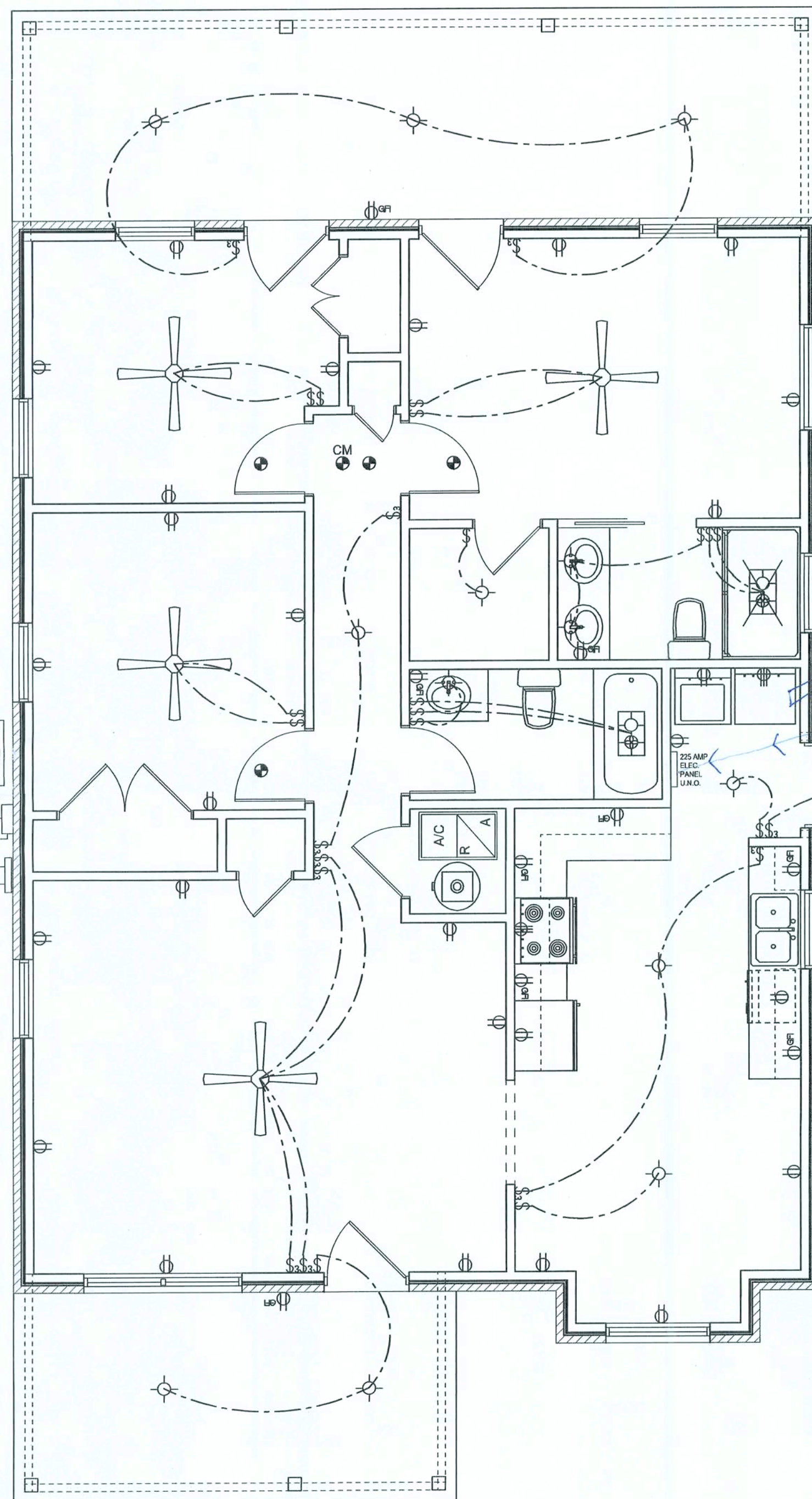
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OF 3 SHEETS

ELECTRICAL PLAN NOTES

- E-1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E-2 CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
- E-3 ALL INSTALLATIONS SHALL BE PER NATL. ELECTRIC CODE.
- E-4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
- E-5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- E-6 ELECTRICAL CONTR' SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-7 ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
- E-8 ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- E-9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- E-10 A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER. AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
- E-11 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDINGS HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2X4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	CARBON MONOXIDE ALARM

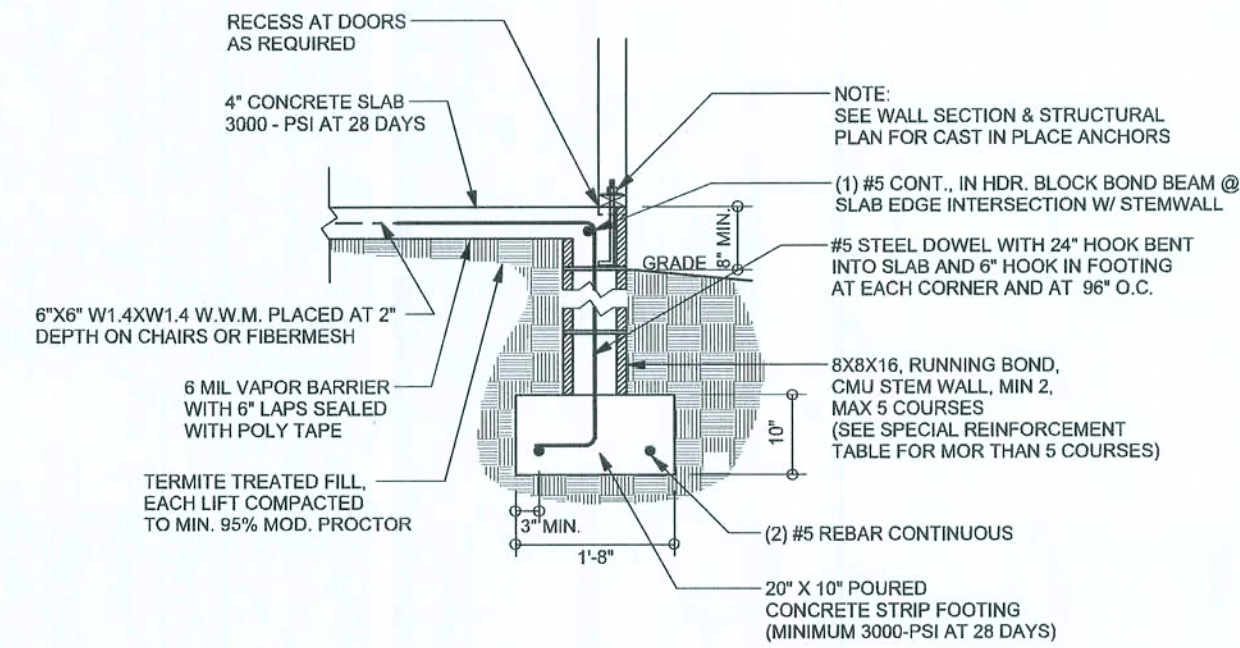


ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

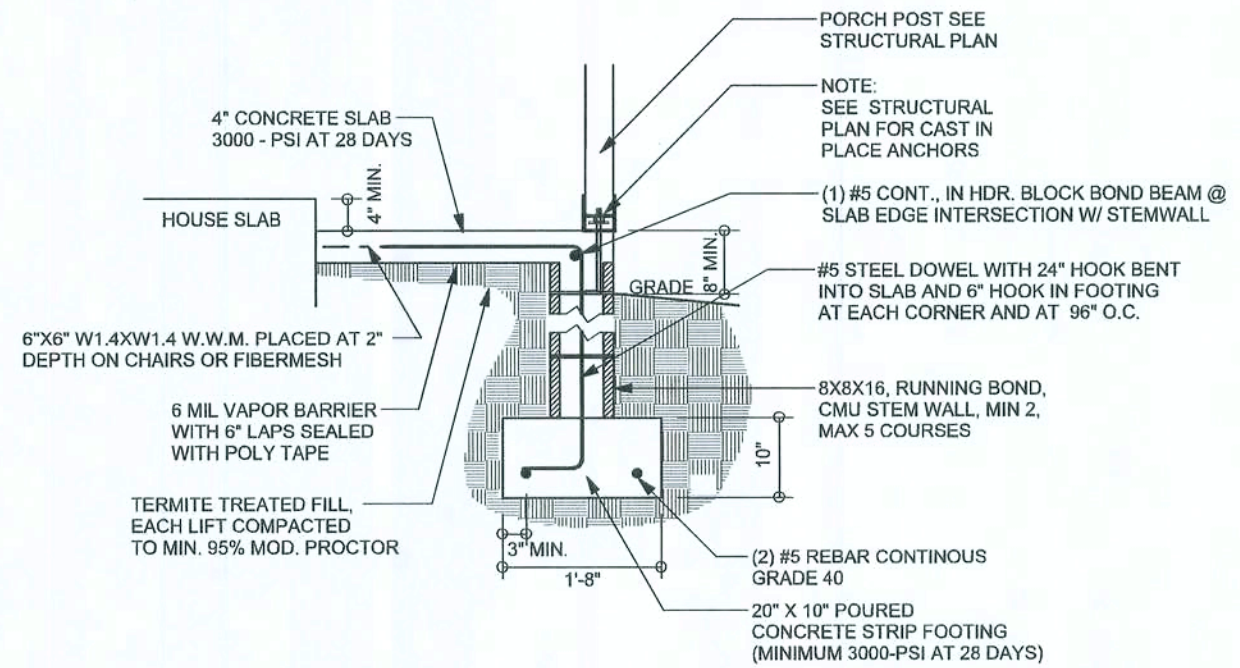
100 Amp Service

100 Amp Panel Load

Under Ground Service



F9 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"

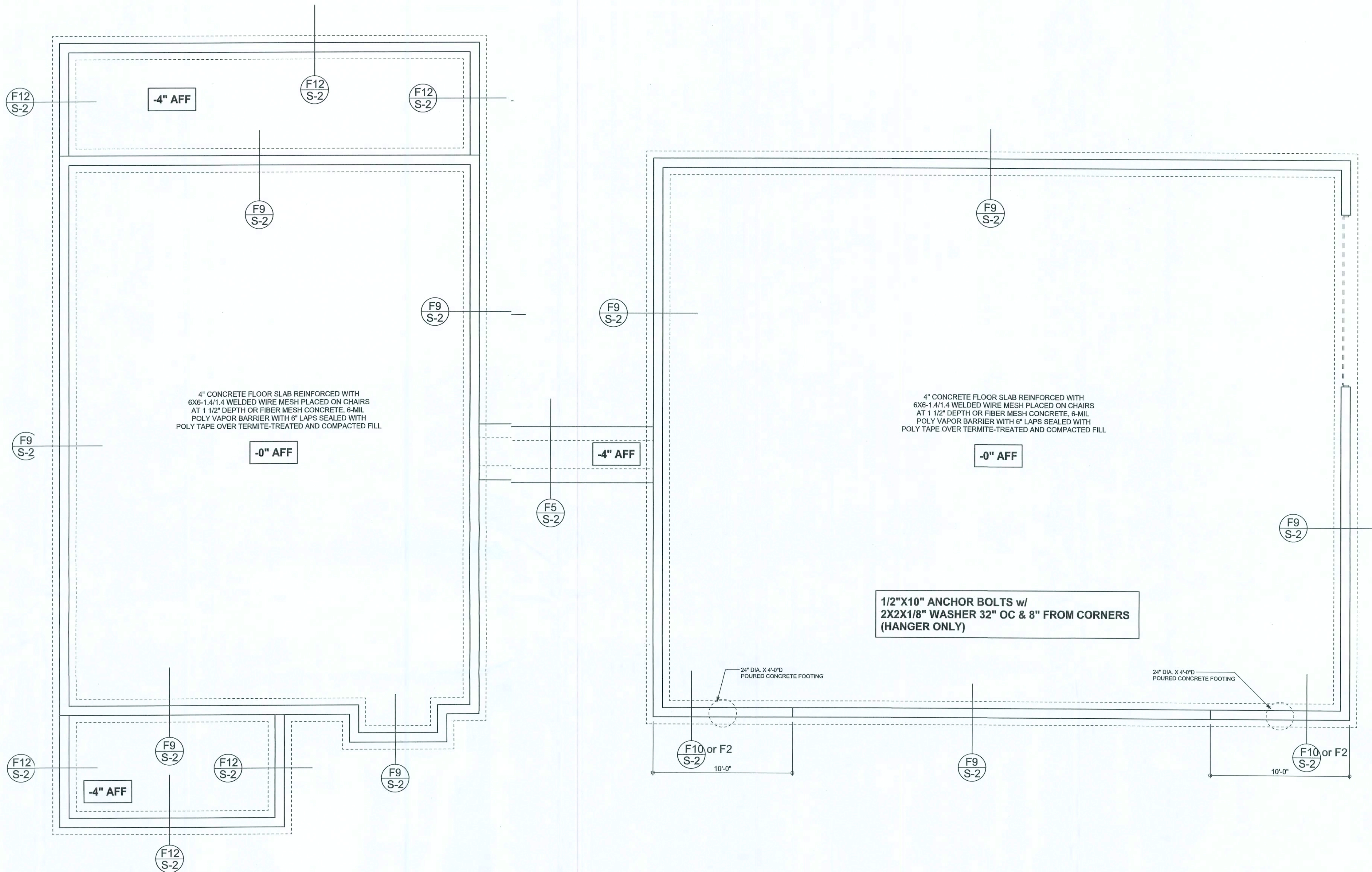


F12 STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"

TALL STEM WALL TABLE

The table assumes 60 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 8' high, add Duowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with #6 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

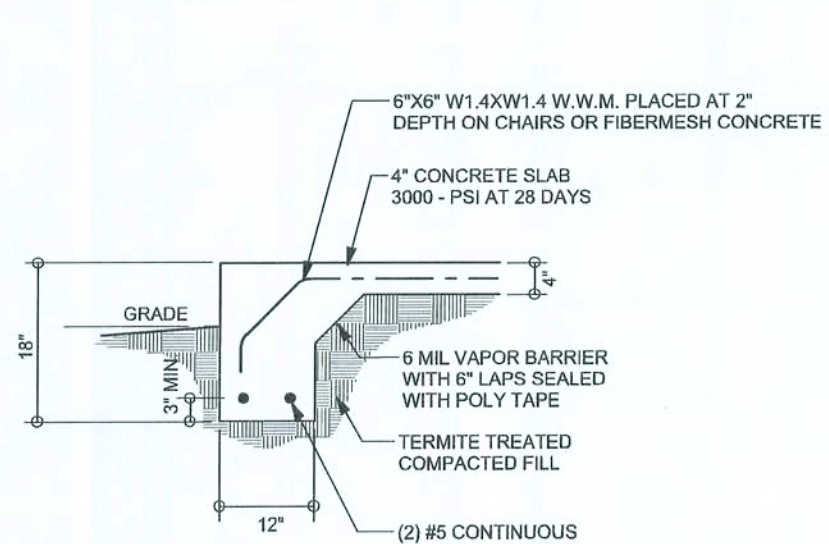
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	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



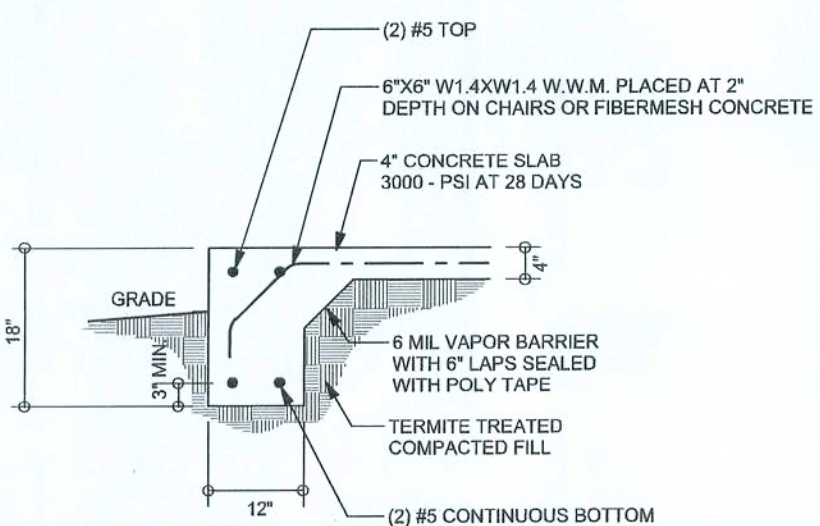
FOUNDATION PLAN

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

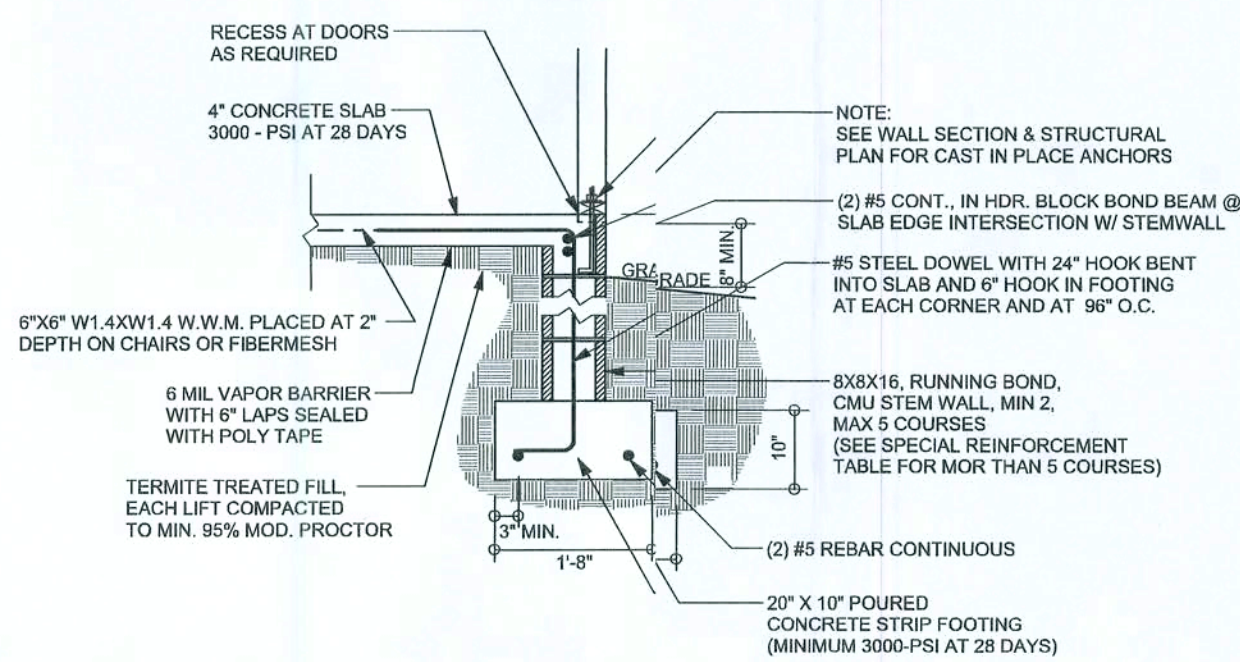
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS



F1 MONOLITHIC FOOTING (OPTIONAL)
SCALE: 1/2" = 1'-0"



F2 MONOLITHIC FOOTING @ HANGAR DOOR WALL
SCALE: 1/2" = 1'-0"



F10 STEM WALL FOOTING @ HANGAR DOOR WALL
SCALE: 1/2" = 1'-0"

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Discsway, P.E.
No. S315, P38 868, Lake City, FL 32056,
386-754-5419

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

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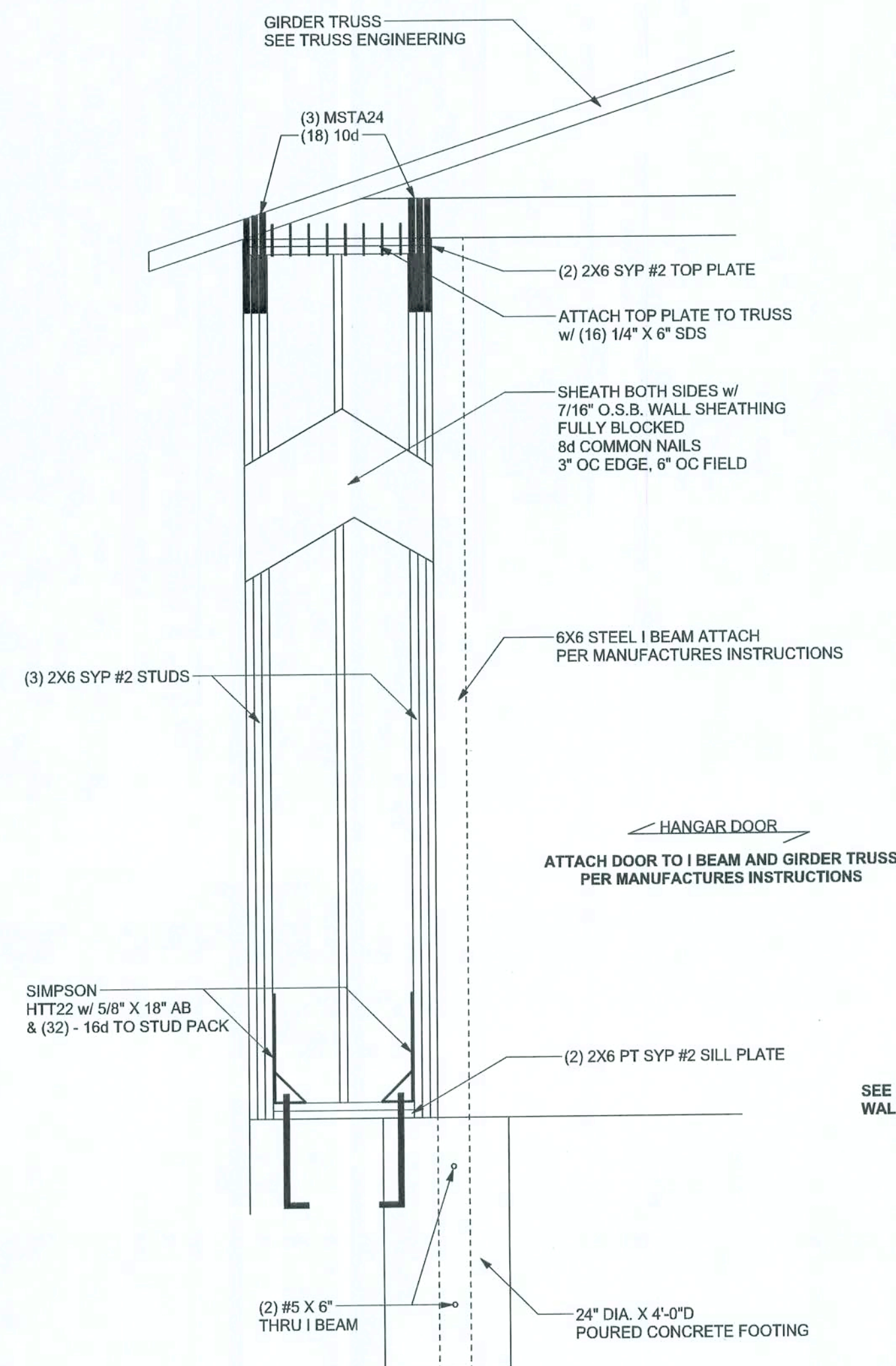
S-2

OF 6 SHEETS

BUILDER MUST VERIFY THAT TRUSS ENGINEER LOADS
GABLE GIRDER FOR SHEARWALL LOADS AS FOLLOWS:

	VERTICAL				HORIZONTAL	
	0'	3'	45'	48'	0-3'	45-48'
CASE #1	-4000 LB	+4000 LB	-4000 LB	+4000 LB	+2000 LB	+2000 LB
CASE #2	+4000 LB	-4000 LB	+4000 LB	-4000 LB	-2000 LB	-2000 LB

HORIZONTAL LOADS ARE DRAG LOADS INTO BOTTOM CHORD & OUT THE TOP CHORD.
LEFT TO RIGHT IS POSITIVE



HANGER DOOR WALL DETAIL
SCALE: 1/2" = 1'-0"

STRUTURAL PLAN

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

STRUTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP #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 BCSI-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

	EXTERIOR WALL
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL - NO UPLIFT
	INTERIOR LOAD BEARING WALL - UPLIFT

HEADER LEGEND

(2) 2X10X0', 1J 1K	HEADER/BEAM CALL-OUT (U.N.O.)
NUMBER OF KING STUDS (FULL LENGTH)	
NUMBER OF JACK STUDS (UNDER HEADER)	
SPAN OF HEADER	
SIZE OF HEADER MATERIAL	
NUMBER OF PLIES IN HEADER	

TOTAL SHEAR WALL SEGMENTS (HOUSE)

	INDICATES SHEAR WALL SEGMENTS	
	REQUIRED	ACTUAL
TRANSVERSE	28.0'	29.6'
LONGITUDINAL	21.4'	57.0'

TOTAL SHEAR WALL SEGMENTS (HANGER)

	INDICATES SHEAR WALL SEGMENTS	
	REQUIRED	ACTUAL
TRANSVERSE	40.0'	41.0'
LONGITUDINAL	38.2'	40.0'

CONNECTIONS, WALL & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER, ANDERSON TRUSS CO.
JOB #10-048-1

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
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386-754-5419

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FINALS DATE:
10Mar10

JOB NUMBER:
100266

DRAWING NUMBER

S-3
OF 6 SHEETS