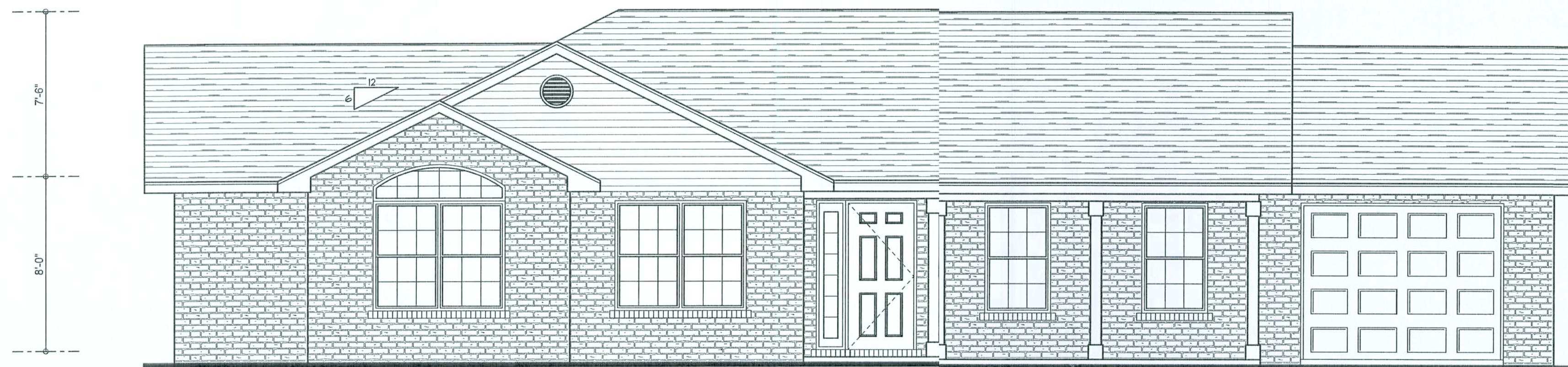
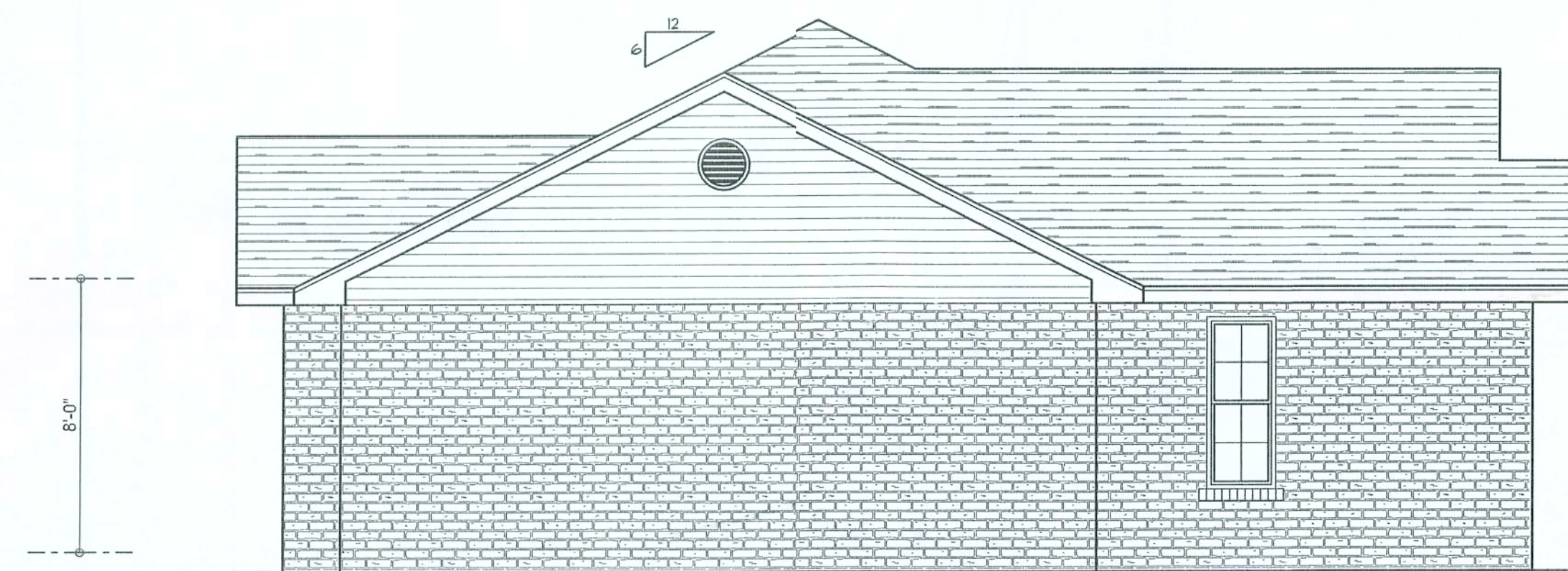




FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

INDEX TO SHEETS

SHEET A-1	EXTERIOR ELEVATIONS & SITE PLAN
SHEET A-2	FLOOR PLAN & DESIGN WALL SECTION
SHEET A-3	ELECTRICAL PLAN
SHEET A-4	FOUNDATION PLAN
SHEET S-1	WIND LOAD ENGINEERING

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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)
1781 S.F. / 300 x 50% = 2.96 S.F. RIDGE VENT AREA REQUIRED
26.9 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT
1781 S.F. / 300 x 50% = 2.96 S.F. SOFFIT VENT AREA REQUIRED
96.9 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)

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

DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
Mark Disosway, P.E. for resolution.
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CERTIFICATION: These plans and
"Windload Engineering", Sheet S-1, attached,
comply with Florida Building Code 2004,
Section 1603 wind loads, to the best of my
knowledge.

LIMITATION: This design is valid for one
building at specified location. In case of conflict,
structural requirements, scope of work, and
builder responsibilities on sheet S-1 control.

MARK DISOSWAY
P.E. 53915

Mark Disosway
08/08/05
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Shirley Hitson

Spec House
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DESIGNED BY:
David Disosway

FINALS DATE:
08 / Dec / 05

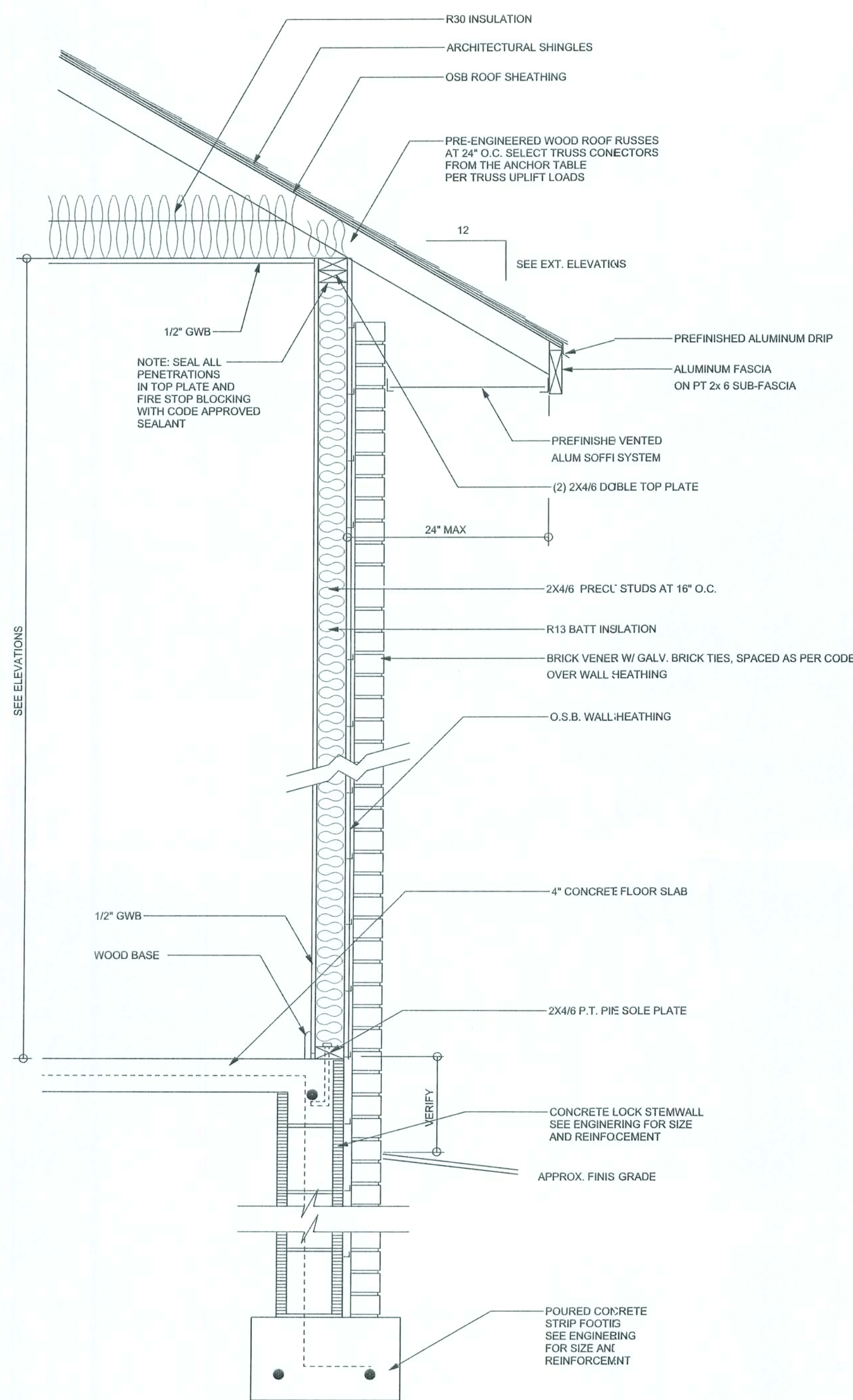
JOB NUMBER:
511233

DRAWING NUMBER
A-1
OF 5 SHEETS

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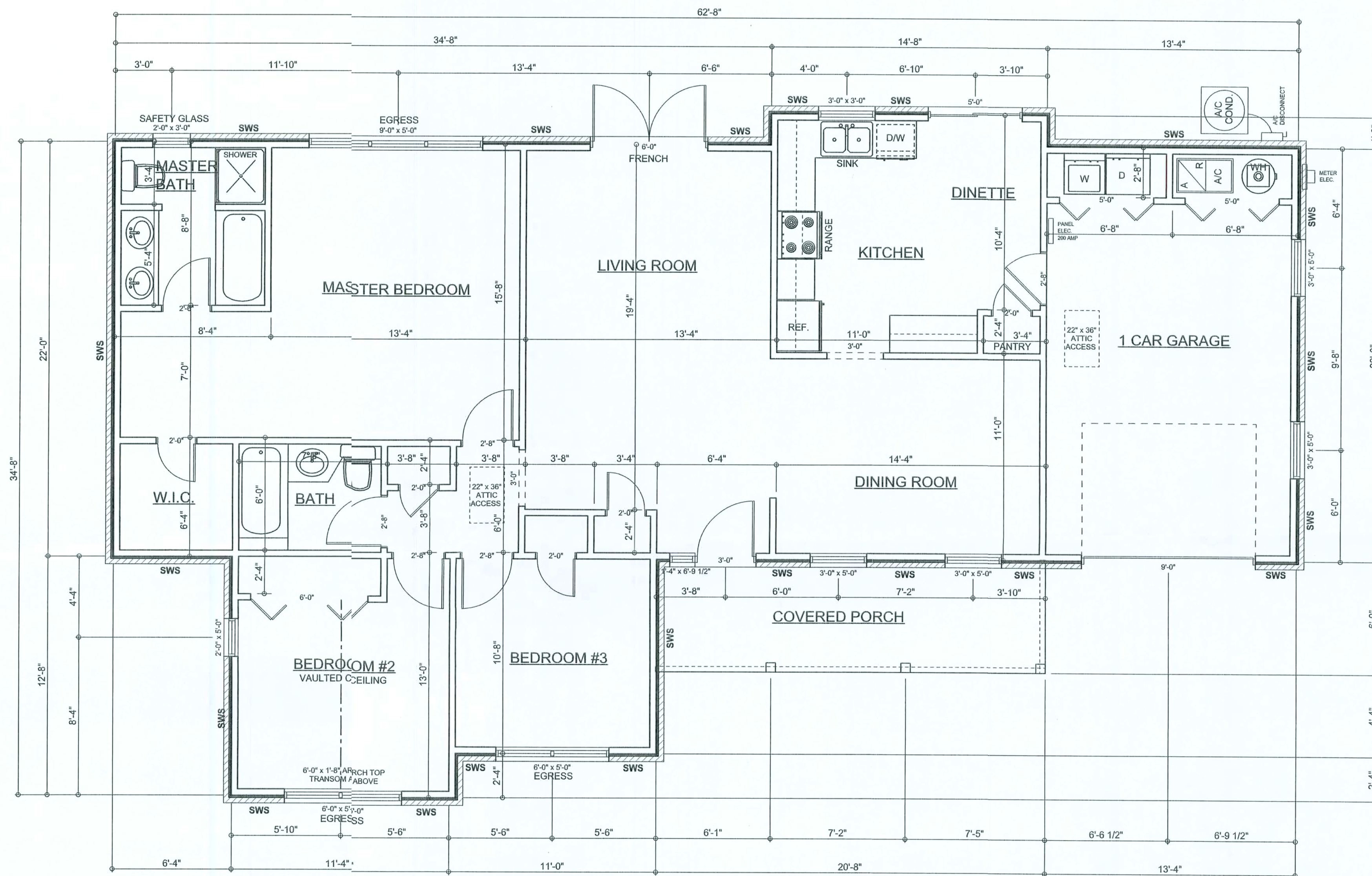
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TYPICAL DESIGN WALL SECTION
NON - STRUCTURAL DATA

SCALE: 1\"/>



FLOOR PLAN

SCALE: 1/4\"/>

ALL CEILING HEIGHTS 8'-0\"/>

SWS = SHEARWALL SEGMENTS

Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its basic area by means of a minimum 5/8-inch (12.7 mm) gypsum board applied to the garage side. Separations between habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 1 3/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.
2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.015-inch (0.406 mm) sheet steel and shall have no openings into the garage.
3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.

AREA SUMMARY

LIVING AREA	1364	S . F .
GARAGE AREA	293	S . F .
PORCH AREA	124	S . F .
TOTAL AREA	1781	S . F .

WINDLOAD ENGINEER: Mark Disosway,
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DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
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CERTIFICATION: These plans and
"Windload Engineering", Sheet S-1, attached,
comply with Florida Building Code 2004,
Section 1605wind loads, to the best of my
knowledge.

LIMITATION: This design is valid for one
building at specified location. In case of conflict,
structural requirements, scope of work, and
builder responsibilities on sheet S-1 control.

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DESIGNED BY: David Disosway

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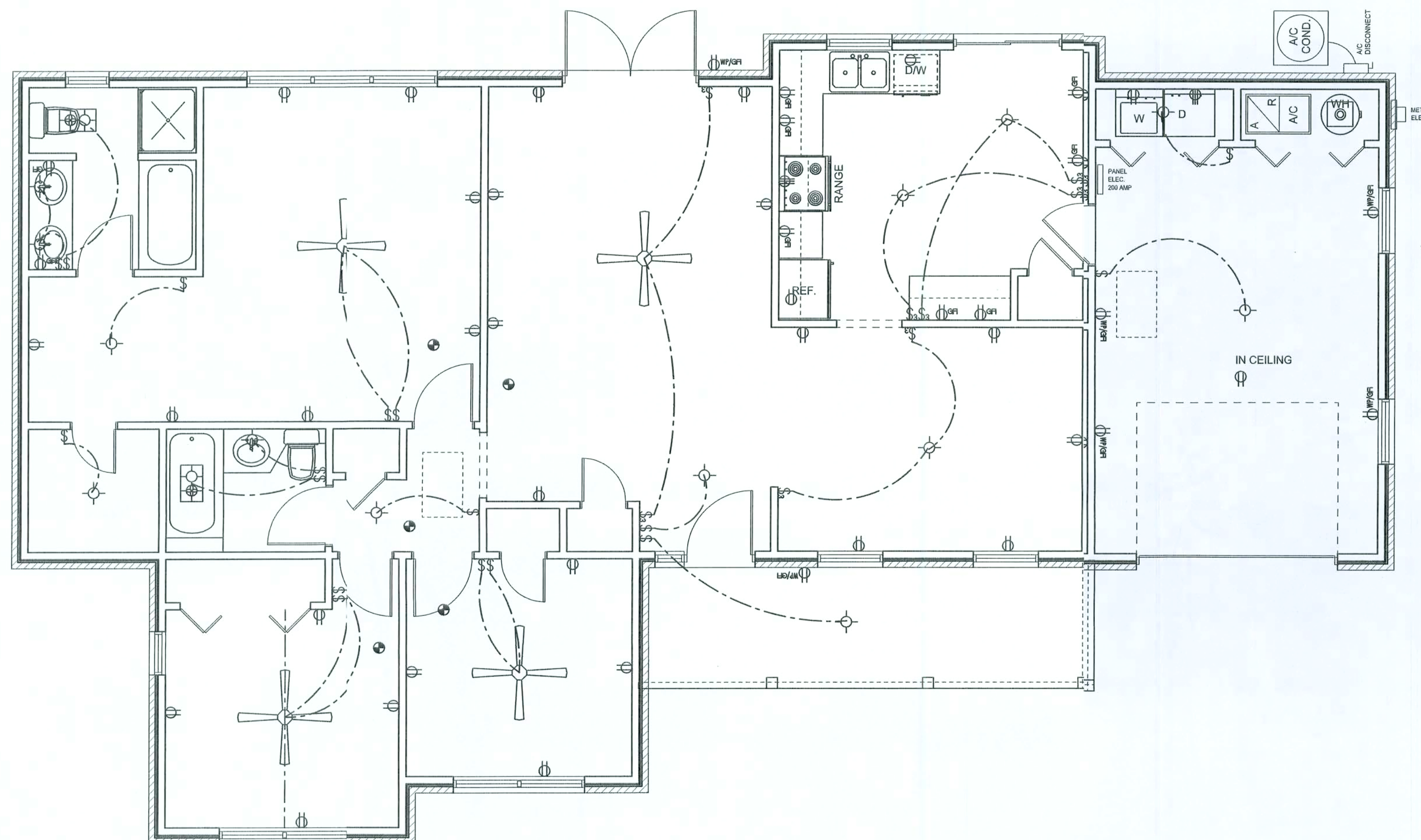
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A-2

OF 5 SHEETS

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

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 NAT'L. 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

Overcurrent protection device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

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
	WALL HEATER

WINDOW ENGINEER: Mark Disoway, PE No. 53915, PCB 868, Lake City, FL 32056, 386-754-5119

DIMENSIONS: Stated dimensions supersede scaled dimensions. Referral questions to Mark Disoway, PE, for resolution. Do not proceed without clarification.

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CERTIFICATION: These plans and "Window Engineering", Sheet S-1, attached, comply with Florida Building Code 2004, Section 1609 win loads, to the best of my knowledge.

LIMITATION: This design is valid for one building at specified location. In case of conflict, structural requirements, scope of work, and builder responsibilities on sheet S-1 control.

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DRAWN BY: David Disoway

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DESIGNED BY: David Disoway

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08 / Dec / 05

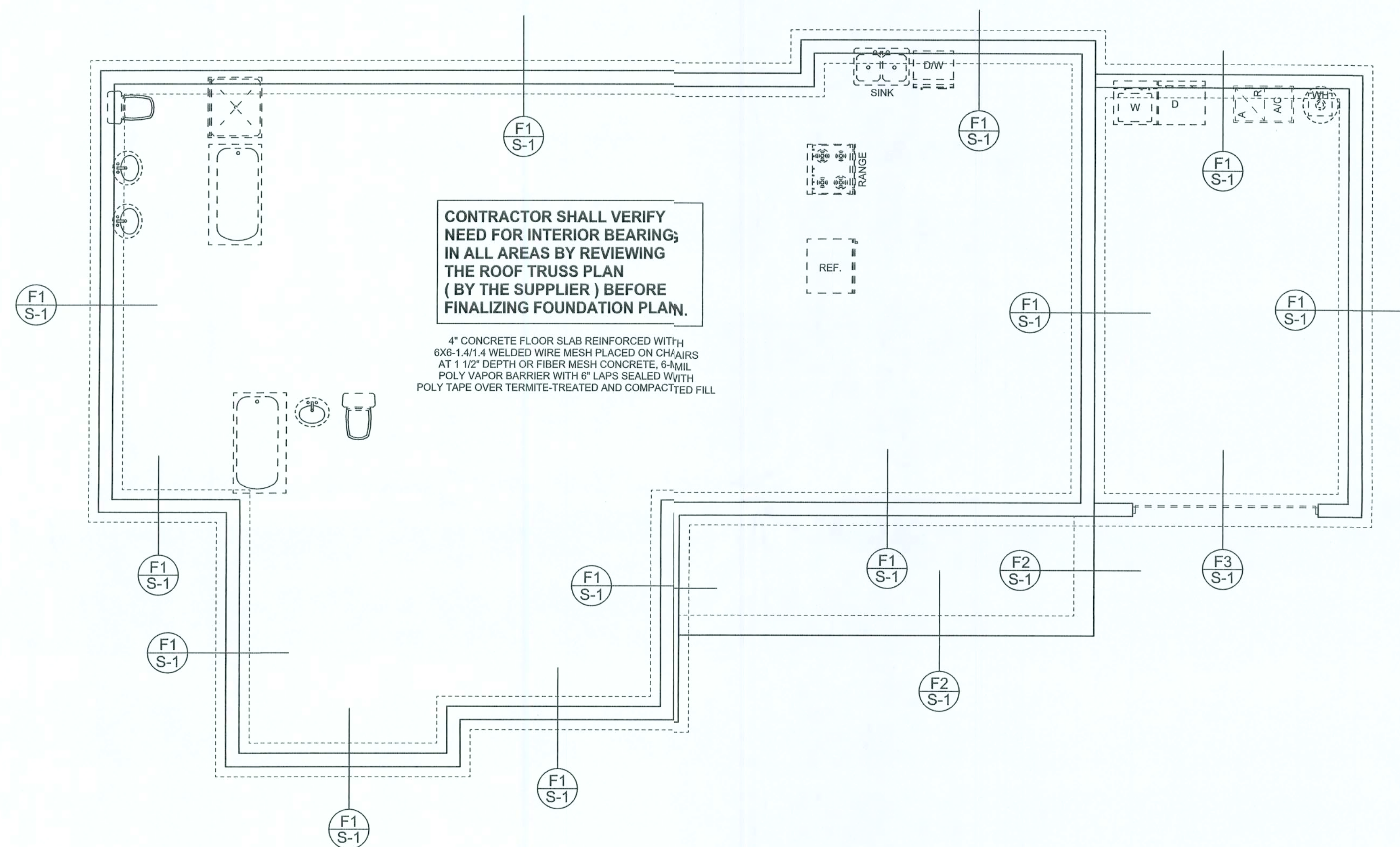
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A-3

OF 5 SHEETS

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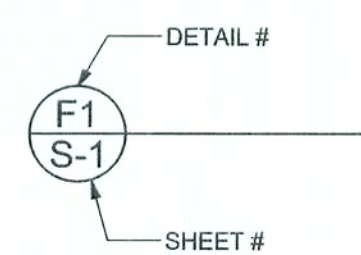
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FOUNDATION PLAN

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

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



WINDLOAD ENGINEER: Mark Discoway,
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dimensions. Refer all questions to
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CERTIFICATION: These plans and
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Section 1609 windloads, to the best of my
knowledge.

LIMITATION: This design is valid for one
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CHECKED BY:
David Discoway

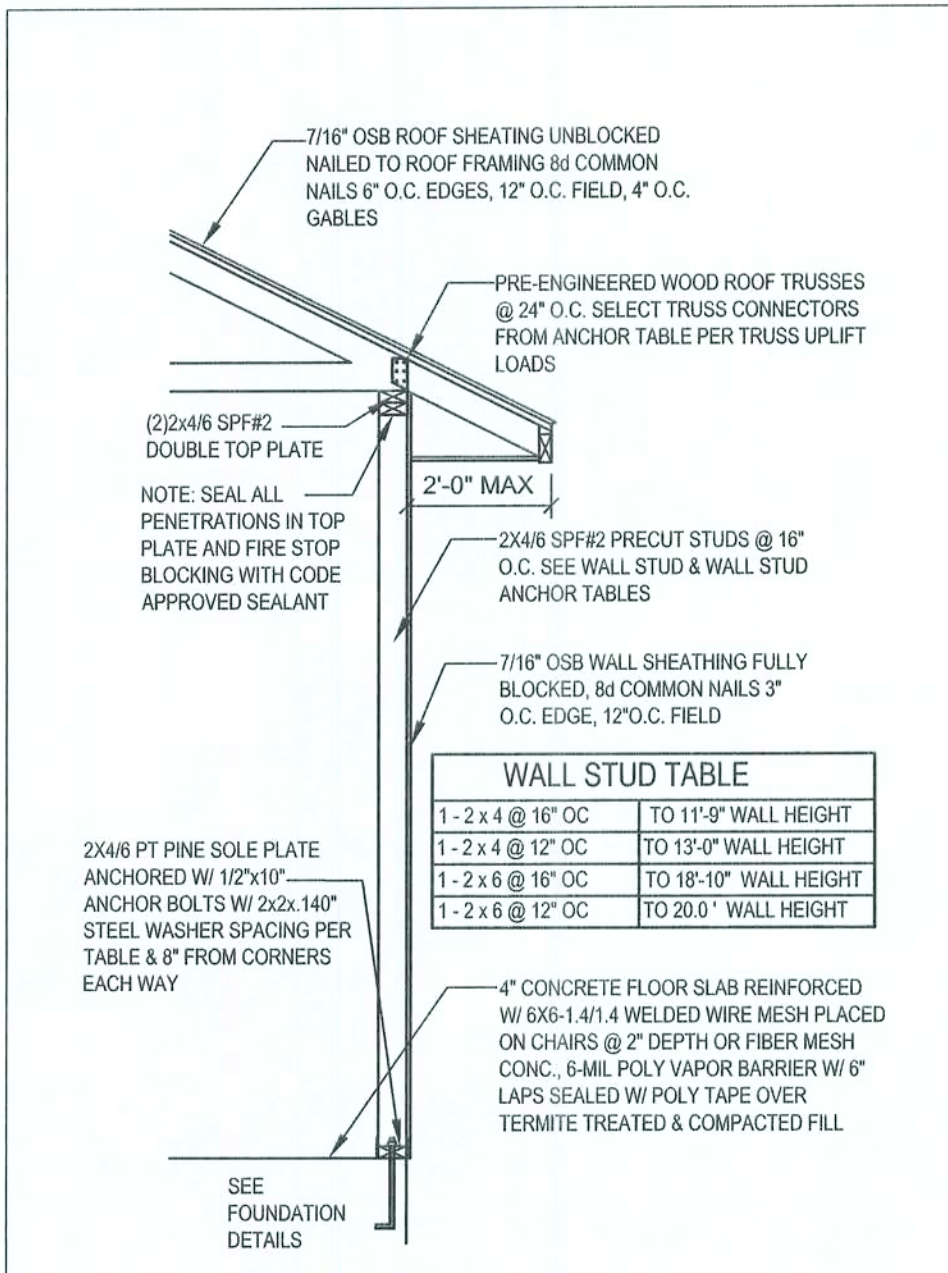
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David Discoway

FINALS DATE:
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JOB NUMBER:
51233

DRAWING NUMBER
A-4

OF 5 SHEETS



SPECIAL STUD ANCHOR TABLE			
USE ONLY WITH 7/16" OSB SHEATHING FULLY BLOCKED NAILED WITH #4 @ 3" O.C. ON EDGES			
TYPICAL TRUSS UPLIFT & MAX 32" O.C. WALL HEIGHT	ANCHOR BOLT SPACING	SP4 / SP5 SPACING	ALTERNATE SPACING SPACING
600 LB	48" O.C.	SHEATHING NAILED ALONE IS ADEQUATE	NA
1070 LB	48" O.C.	48" O.C.	NA
1260 LB	48" O.C.	32" O.C.	NA
1570 LB	32" O.C.	16" O.C.	32" O.C.
1890 LB	24" O.C.	16" O.C.	16" O.C.
2300 LB	LTT01 W 5/8" X 7" WEDGE ANCHOR	NA	(2) LTT01 NAILED TO STUD PACK

NOTE: SP2 TOP & SP1 BOTTOM ALTERNATE FOR SP4S

NOTE:
MINIMUM ANCHOR BOLT SPACING FOR WALLS WITH A HEIGHT
GREATER THAN 10'-0" AND LESS THAN 14'-0" SHALL BE 32" O.C.

W3 - SINGLE STORY EXT. WALL SECTION
SCALE: 1/2\"/>

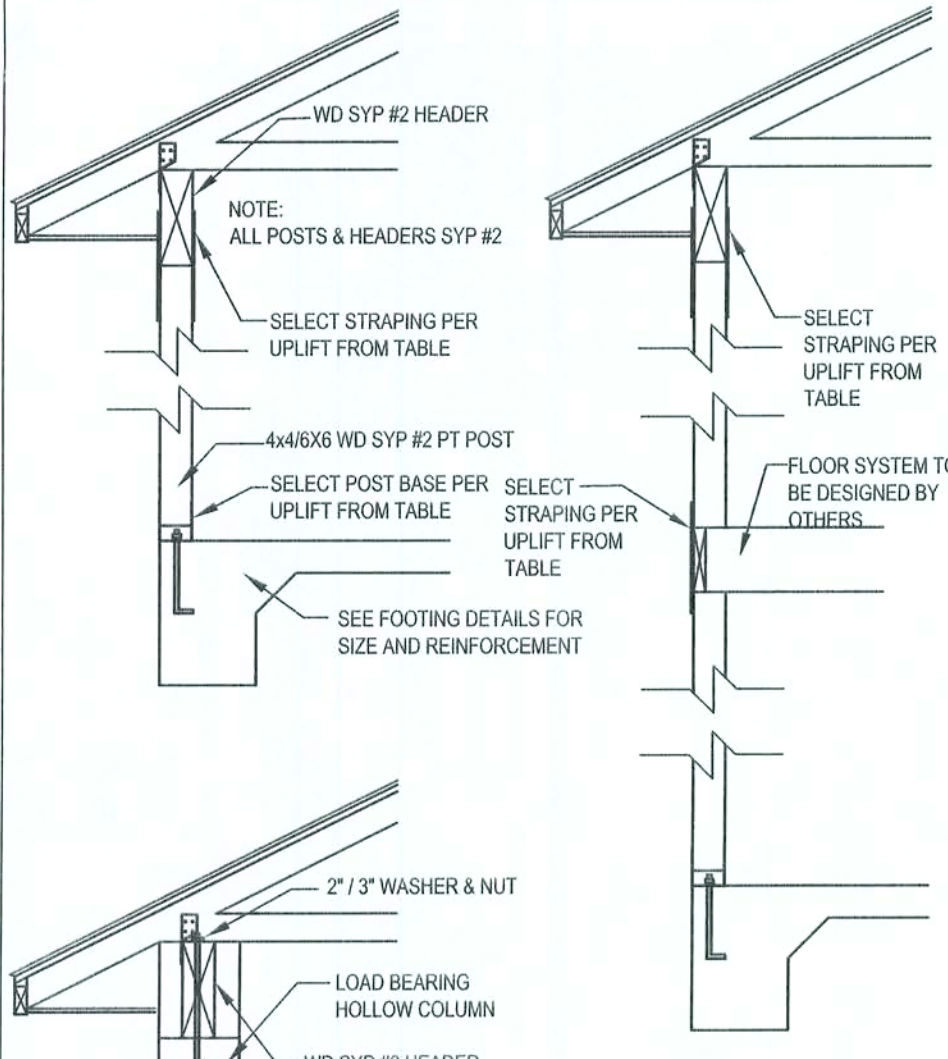


Diagram illustrating the connection of a post to a base using a threaded rod and coupler. The assembly consists of a base, a coupler, and a post. The threaded rod passes through the coupler and the post, secured with a nut and washer. The dimensions shown are:

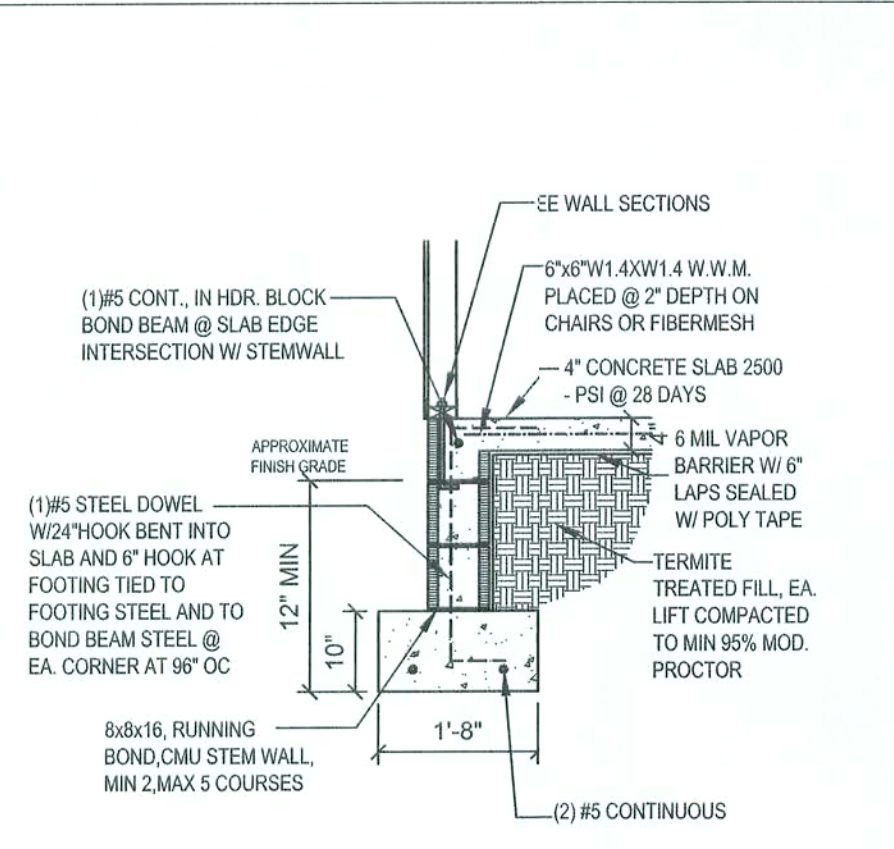
- $\frac{3}{4}$ " x 10" AB THREADED ROD
- $\frac{1}{2}$ " x $\frac{1}{2}$ " COUPLER
- $\frac{1}{2}$ " x $\frac{1}{2}$ " x 10" AB

SEE FOOTING DETAILS FOR SIZE AND REINFORCEMENT

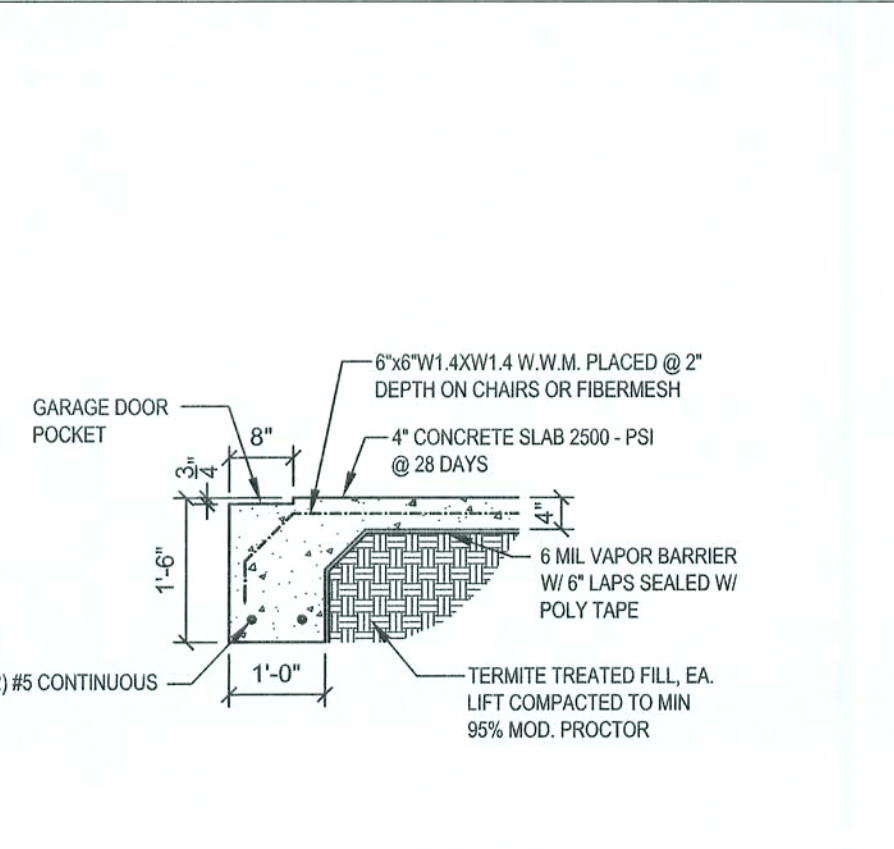
SPF #2 PT WD POSTS			
TYPICAL POST UPLIFT	POST BASE ANCHOR	BETWEEN FLOOR STRAPPING	HEADER STRAPPING
505 LB	AB44 W (8-10) x $\frac{1}{2}$ " AB	(2) 15/16" W (8-10) EA	(2) 15/16" W (8-10) EA
720 LB	AB46 W (8-10) x $\frac{1}{2}$ " AB	(2) 15/16" W (8-10) EA	(2) 15/16" W (8-10) EA
2200 LB	AB44 W (12-16) x $\frac{1}{2}$ " AB	(2) 15/16" W (10-15) EA	(2) 15/16" W (10-15) EA
2300 LB	AB46 W (12-16) x $\frac{1}{2}$ " AB	(2) 15/16" W (10-15) EA	(2) 15/16" W (10-15) EA

HOLLOW COLUMN		
1500 LB	$\frac{1}{2}$ " x 10" AB ATTACHED TO $\frac{1}{2}$ " THREADED ROD WITH $\frac{1}{2}$ " COUPLER	THREADED ROD WITH 2" WADGER & NUT TOP
2300 LB	$\frac{1}{2}$ " x 10" AB ATTACHED TO $\frac{1}{2}$ " THREADED ROD WITH $\frac{1}{2}$ " COUPLER	THREADED ROD WITH 2" WADGER & NUT TOP

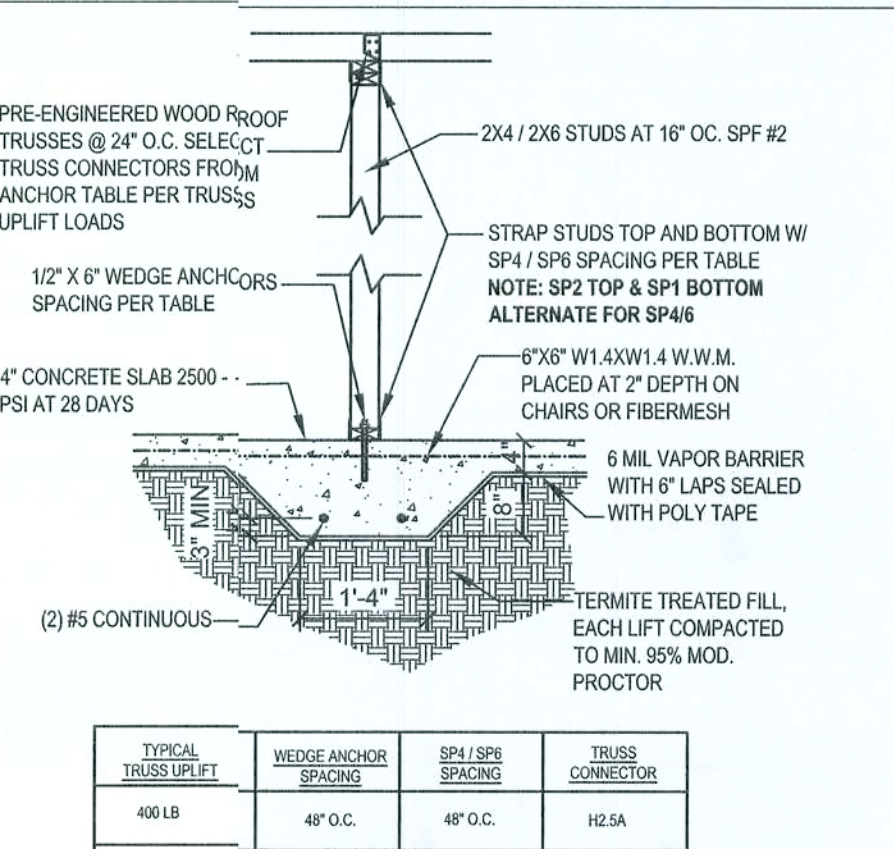
W12 - PORCH HEADER ANCHORS
SCALE: N.T.S. REV-18-JUL-03



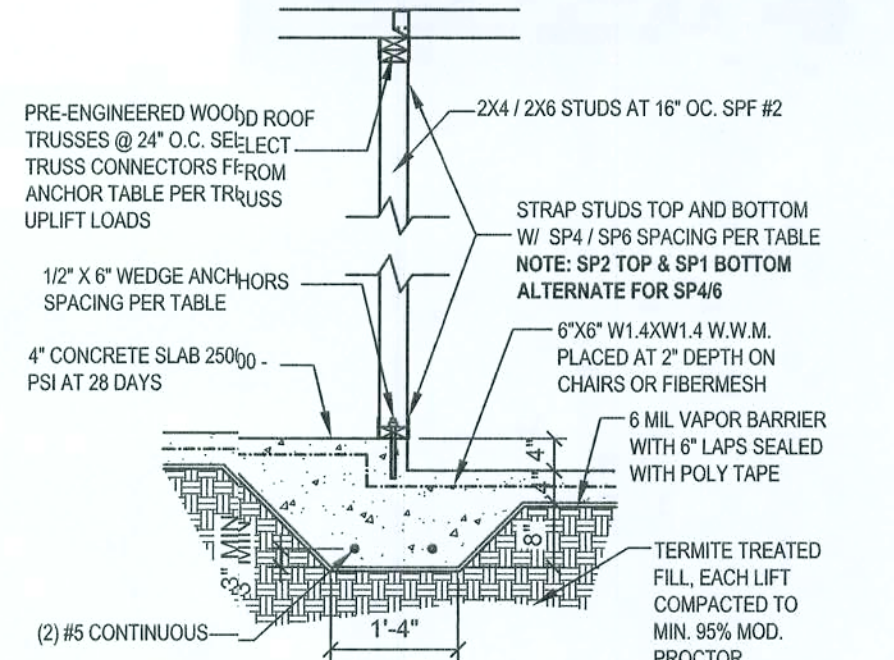
F1 - STEM WALL FOUNDATION
SCALE: 1/2\"/>



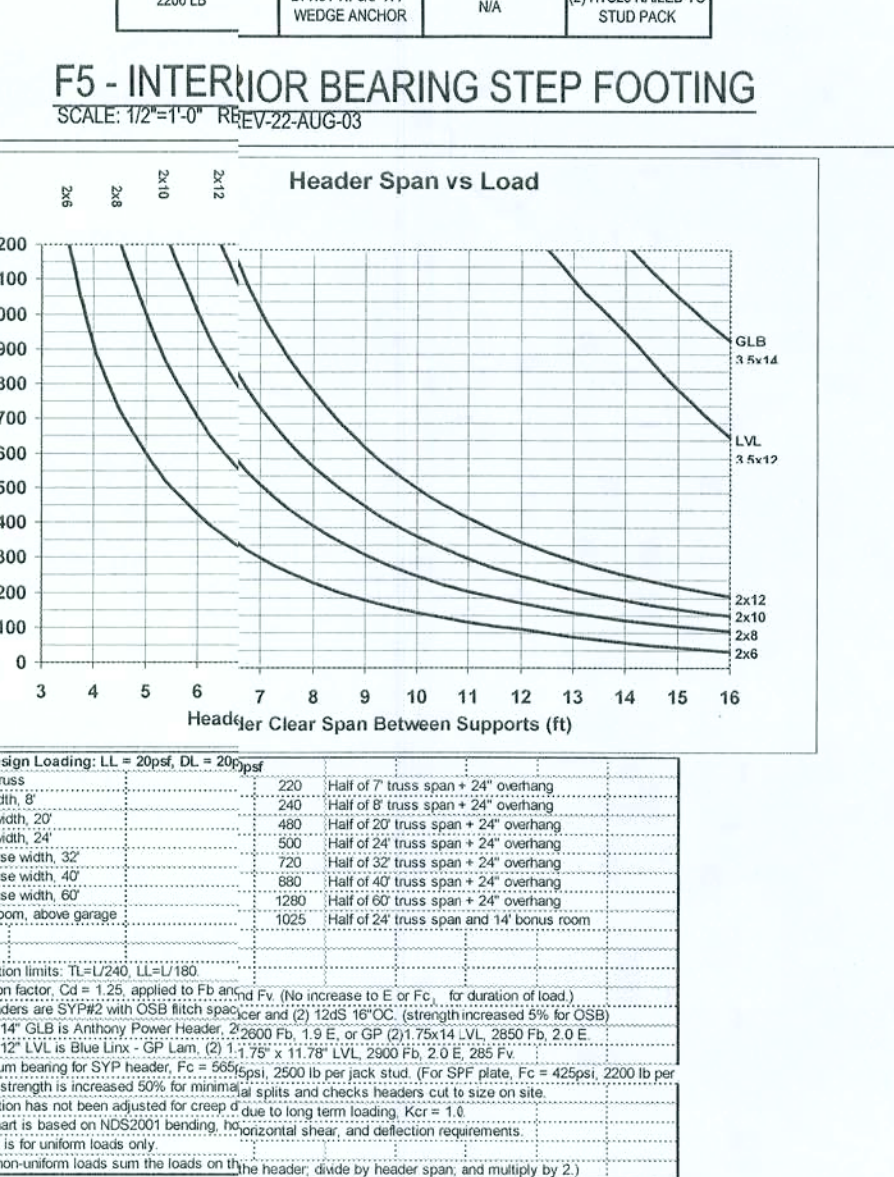
F8 - GARAGE DOOR POCKET
SCALE: 1/2\"/>



F4 - INTERIOR BEARING FOOTING
SCALE: 1/2\"/>



F5 - INTERIOR BEARING STEP FOOTING
SCALE: 1/2\"/>



W71 - HEADER SPANS FOR ROOF/CEILING LOAD

N5 - TRUSS UPLIFT CONNECTOR TABLE

REV-25-AUG-03

All connectors are Simpson Strong-Tie, Inc. Select top and bottom connectors from this table or SST catalog to meet truss uplift. Use fasteners as specified.

Uplift SPF	Uplift SYP	Truss Connector	To Plate	To Truss / Rafter
320	455	H3	4-8d	4-8d
245	350	H5A	3-8d	3-8d
535	600	H2.5A	5-8d	5-8d
620	720	H10	6-10d x 1 1/2"	6-10d x 1 1/2"
650	780	LTS12	8-8d x 1 1/2"	8-8d x 1 1/2"
1245	1450	HTS20	10-10d or 12-10d x 1 1/2"	10-10d or 12-10d x 1 1/2"
1265	1470	H16	10-10d x 1 1/2"	10-10d x 1 1/2"
1785	2050	LG12	14-10d Sinkers	16-16d Sinkers
3655	4200	MG1	3" x 1/4" Thrd	22-10d

SPF SYP Strap Connector

SPF SYP	Strap Connector	To One Member	To Other Member
760	885	SP4	N/A
865	1005	CS20	9-8d or 7-10d
1085	1265	HTS24	7-10d
1170	1380	SP4H	12-10d x 1 1/2"
1420	1650	CS16	14-8d or 11-10d

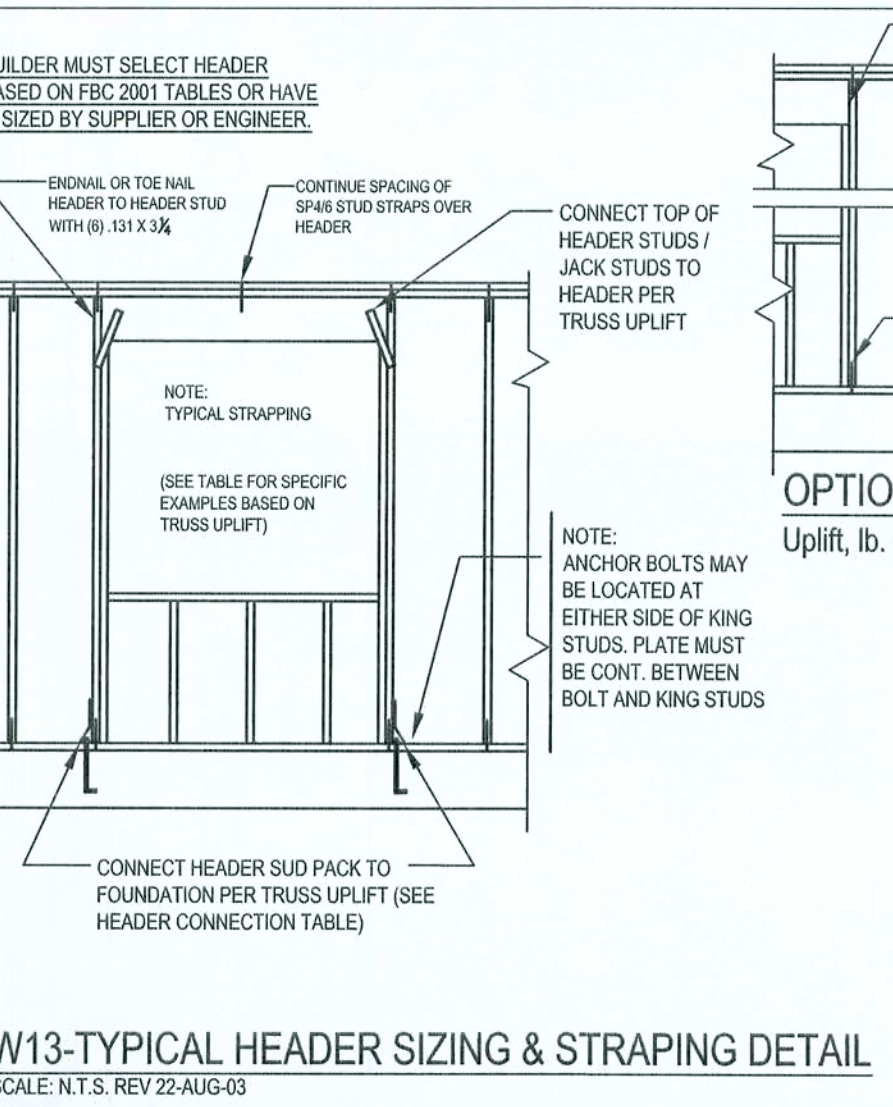
SPF SYP Column Anchor

SPF SYP	Column Anchor	To Foundation	To Column / Truss
1160	1350	LTT19	3 1/2" x 16" AB
1985	2310	LTT13	3 1/2" x 16" AB
2385	2715	H22A	18-16d Sinkers
3590	4175	HTT18	2 1/2" Bolts
1975	2300	ABU66	18-16d
			12-16d

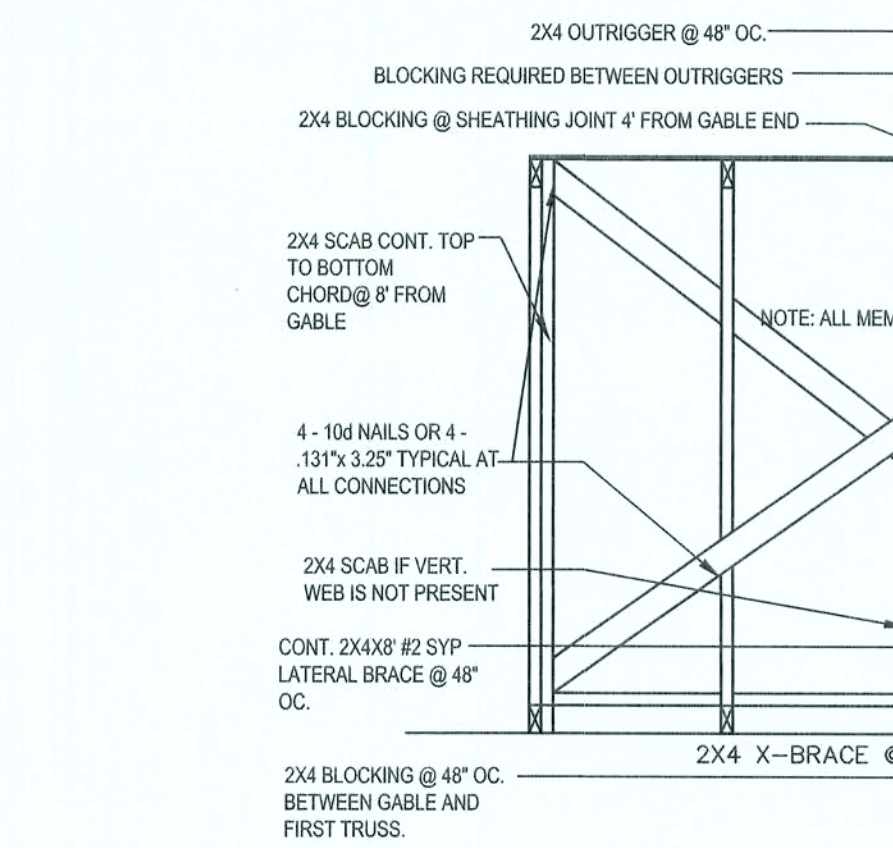
Stack Supporting Trusses: The Manufacturer is responsible for gravity loads, but you should not put an entire 2x4 stud under truss bearing location for each 2000 lb of reaction. Check the minimum bearing requirements of the truss and top plate (SPF, FSC, or CLS).

Manufacturer and product name: Please list for example, not endorsement. An equivalent device of the same or other manufacturer can be substituted for any device listed in the example table as long as it meets the required load capacity. Manufacturer's installation instructions must be followed to achieve rated loads. All connections exposed directly to the weather shall be hot dipped galvanized after fabrication. Loads may increase for wind direction. Strip shall not be reduced proportionally to number of nails. See spec sheet for alternate nail sizes.

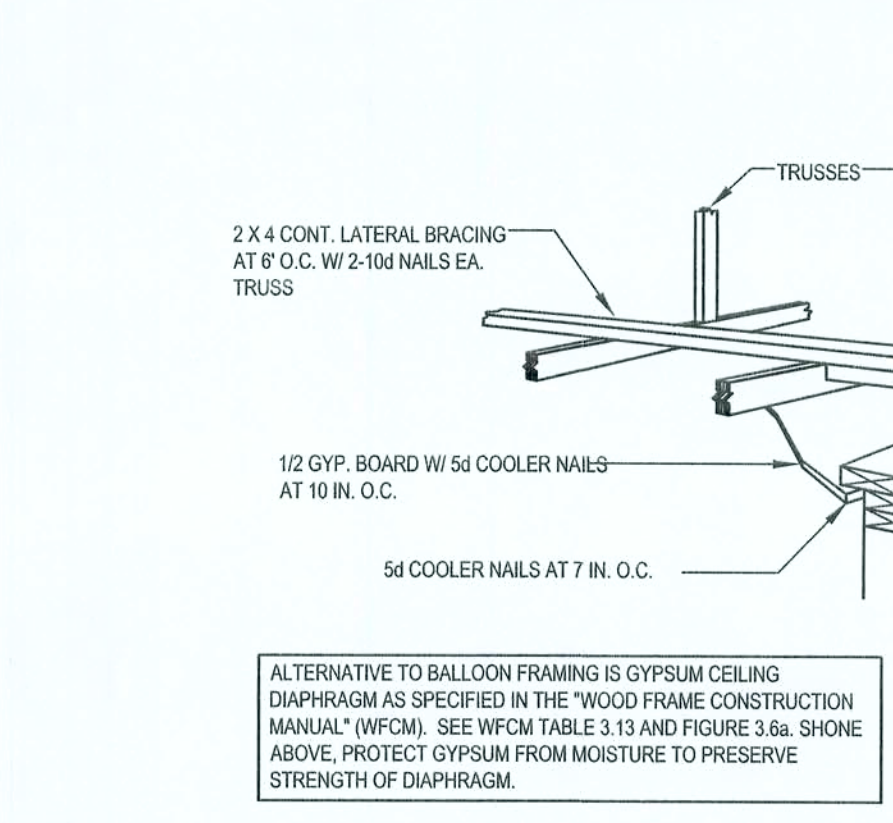
SPF = 20x12
SYP = 2x10
HTT = 2x10
LTS = 2x10
HTS = 2x10
H = 2x10
H2.5 = 2x10
H5 = 2x10
H10 = 2x10
H16 = 2x10
H22 = 2x10
H24 = 2x10
H26 = 2x10
H28 = 2x10
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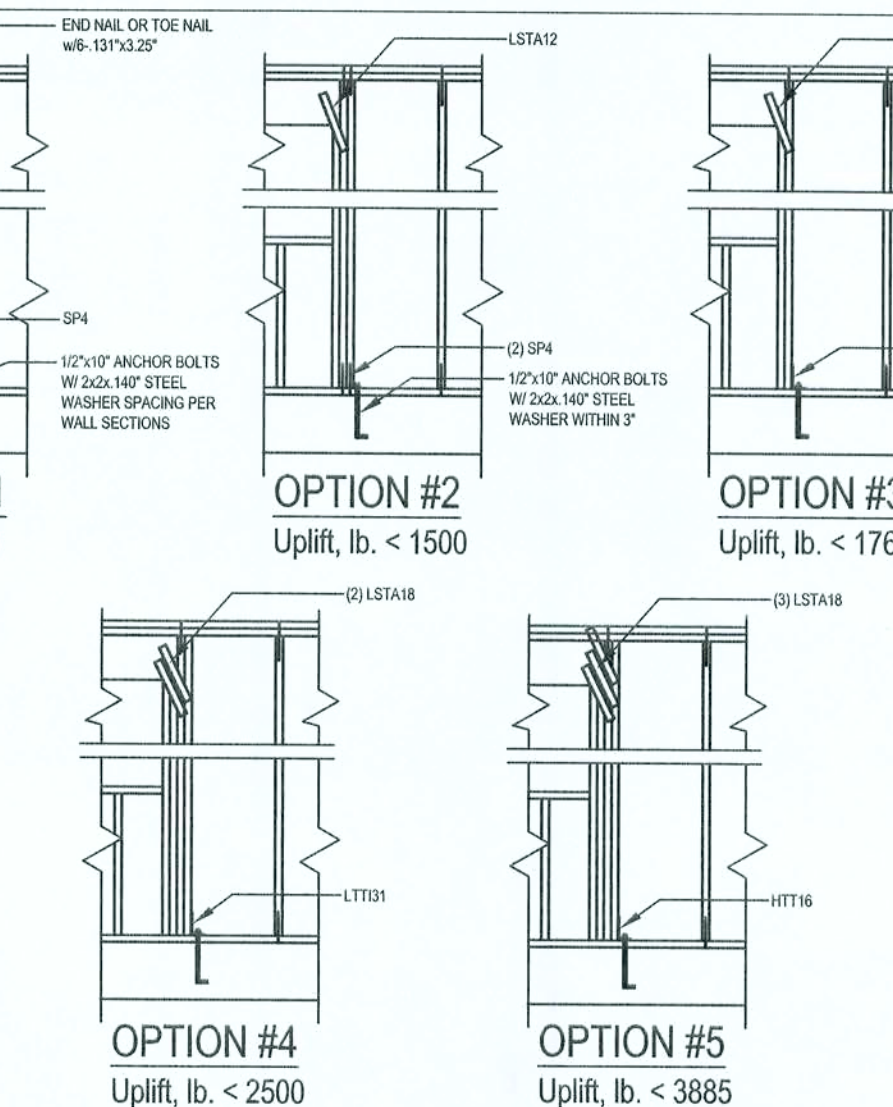
W13-TYPICAL HEADER SIZING & STRAPPING DETAIL
SCALE: N.T.S. REV-22-AUG-03



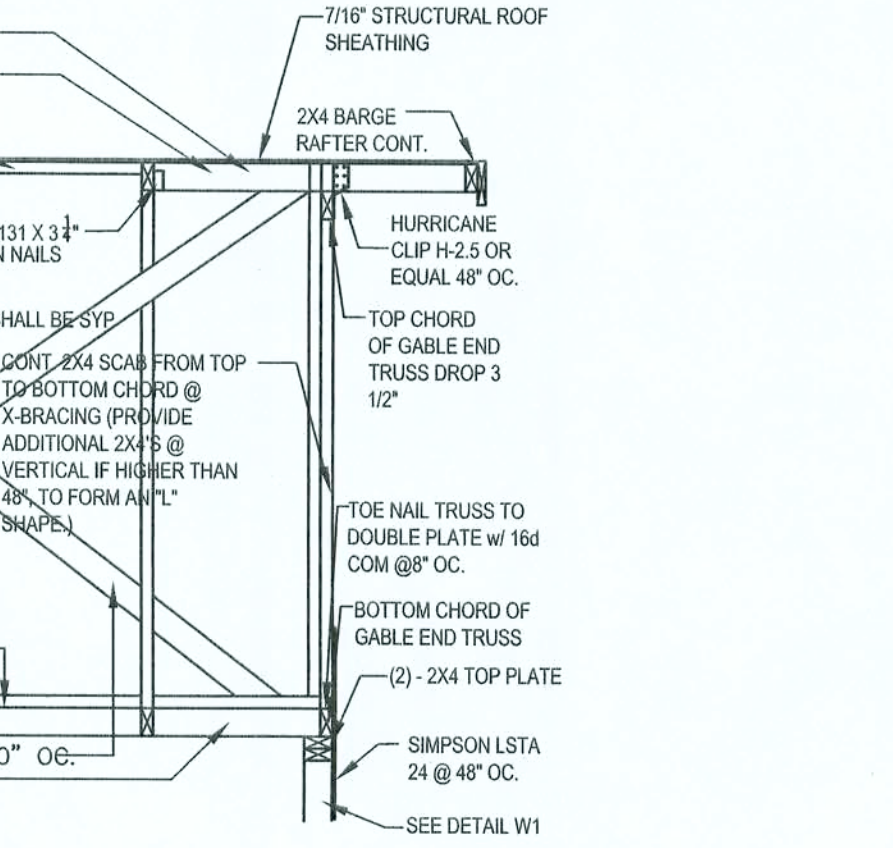
W10 - TYPICAL GABLE END (X-BRACING)
SCALE: 1/2\"/>



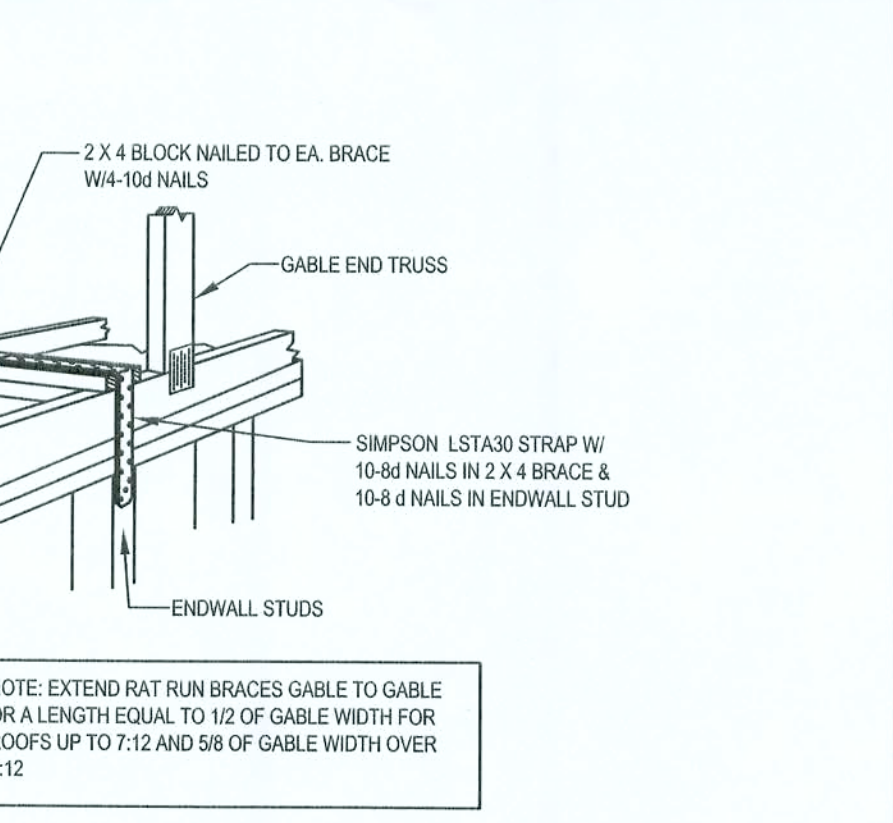
W23 - GYPSUM CEILING DIAPHRAGM OPTION - GABLE END WALL
SCALE: N.T.S.



W13-TYPICAL HEADER SIZING & STRAPPING DETAIL
SCALE: N.T.S. REV-22-AUG-03



W10 - TYPICAL GABLE END (X-BRACING)
SCALE: 1/2\"/>



W23 - GYPSUM CEILING DIAPHRAGM OPTION - GABLE END WALL
SCALE: N.T.S.

07/16/16

Load Bearing Header Sizing Methods (BY BUILDER)

1. Determine header size from FBC 2004, Tables 2308.3 A, 1, & C, or 2308.5.
2. Use supplier published data or Southern pine span tables.
3. For engineered lumber beams have suppliers engineer size beam.
4. Lookup jack studs from FBC 2004, Tables 2308.3 A, B, & 7, or 2308.5.
5. Use one jack stud for every 3000 lb vertical load.
6. Total king plus jack studs = studs needed to be there if no jacking was there.
7. Calculate the uplift at each end of the header by summing the moments of all truss uplifts and dividing by the length of the header.
8. Select header connections from table below or mfg. catalog to connect header to stud (top connection) and stud to foundation (bottom connection).

Option #	Uplift, lb.	Top Connector	Bottom Connector	
#1	< 600	End nail or toe nail w/6-13"	SP4, 6-10d x 1 1/2"	690
#2	< 1500	LSTA12, 14-10d	LTT01, 16-18d x 1 1/2"	1380
#3	< 1750	LSTA18, 14-10d	LTT01, 16-18d x 1 1/2"	2160
#4	< 2500	LSTA18, 14-10d	LTT01, 16-18d x 1 1/2"	2715
#5	< 3885	LSTA18, 14-10d	HTT18, 16-18d x 1 1/2"	4175

Uplift greater than 3885 lb requires engineering design.

N2-GENERAL NOTES:

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE $F_c = 3000$ PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER OR HIS REPRESENTATIVE.

WELDED WIRE REINFORCED SLAB: 6\"/>

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER OR 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. MANUFACTURERS INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7\"/>

REV-22-AUG-03

WINDLOAD ENGINEERING

"EVERYTHING YOU NEED FOR YOUR BUILDING PERMIT"

Mark Disosway P.E.

POB 868, Lake City, FL 32056 Phone: (386) 754-5419

Fax: (386) 269-4871 Email: windloadengineer@bellsouth.net

Location: Lot 9 Shady Oaks S/D Columbia County, Florida

Spec House
Lot 9 Shady Oaks S/D

Builder:

Designer:

Approved: FLPER03915

Revisions:

Sheet S-1 of 5 Sheets
Windload Engineering
Job # 511233