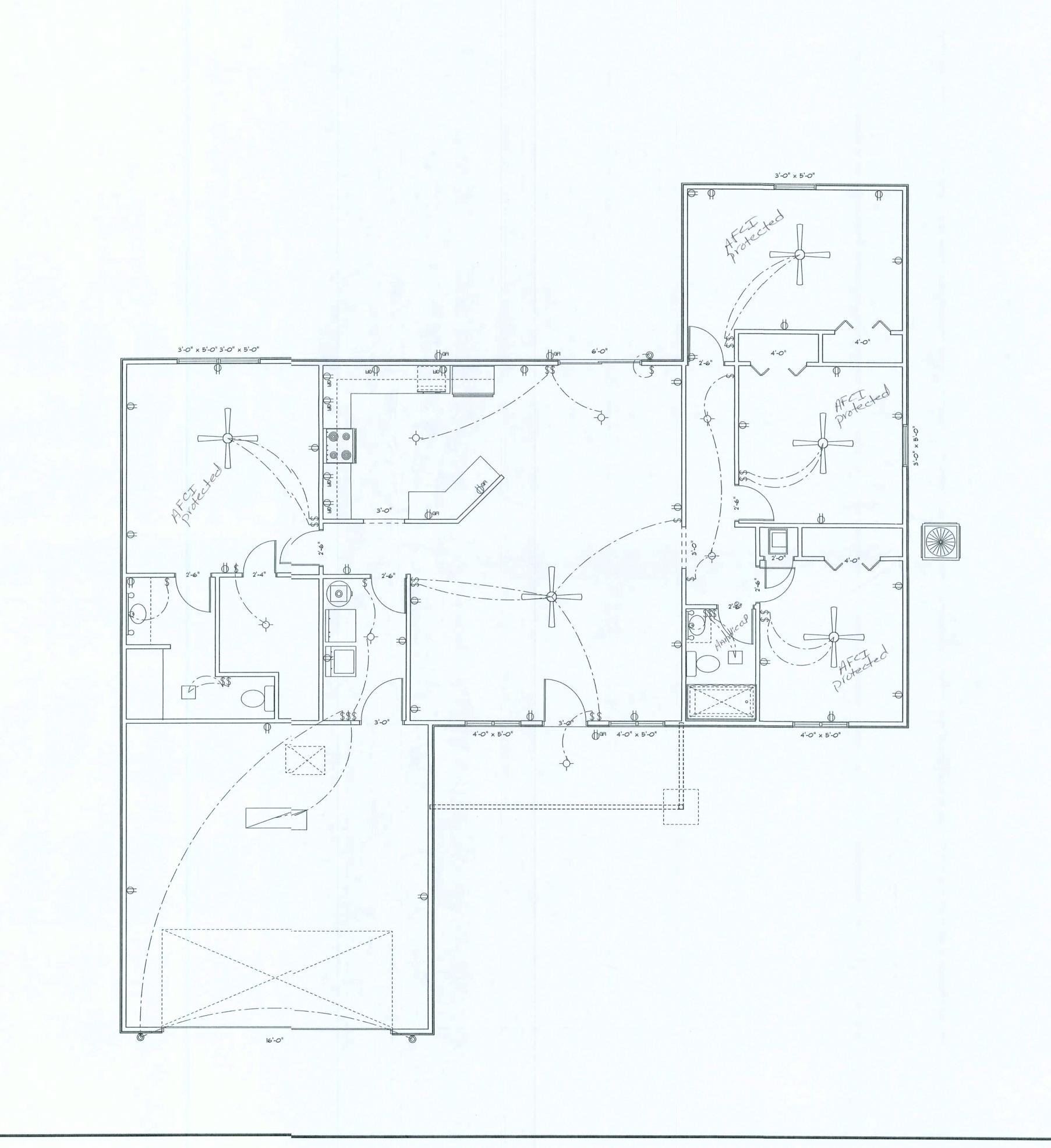
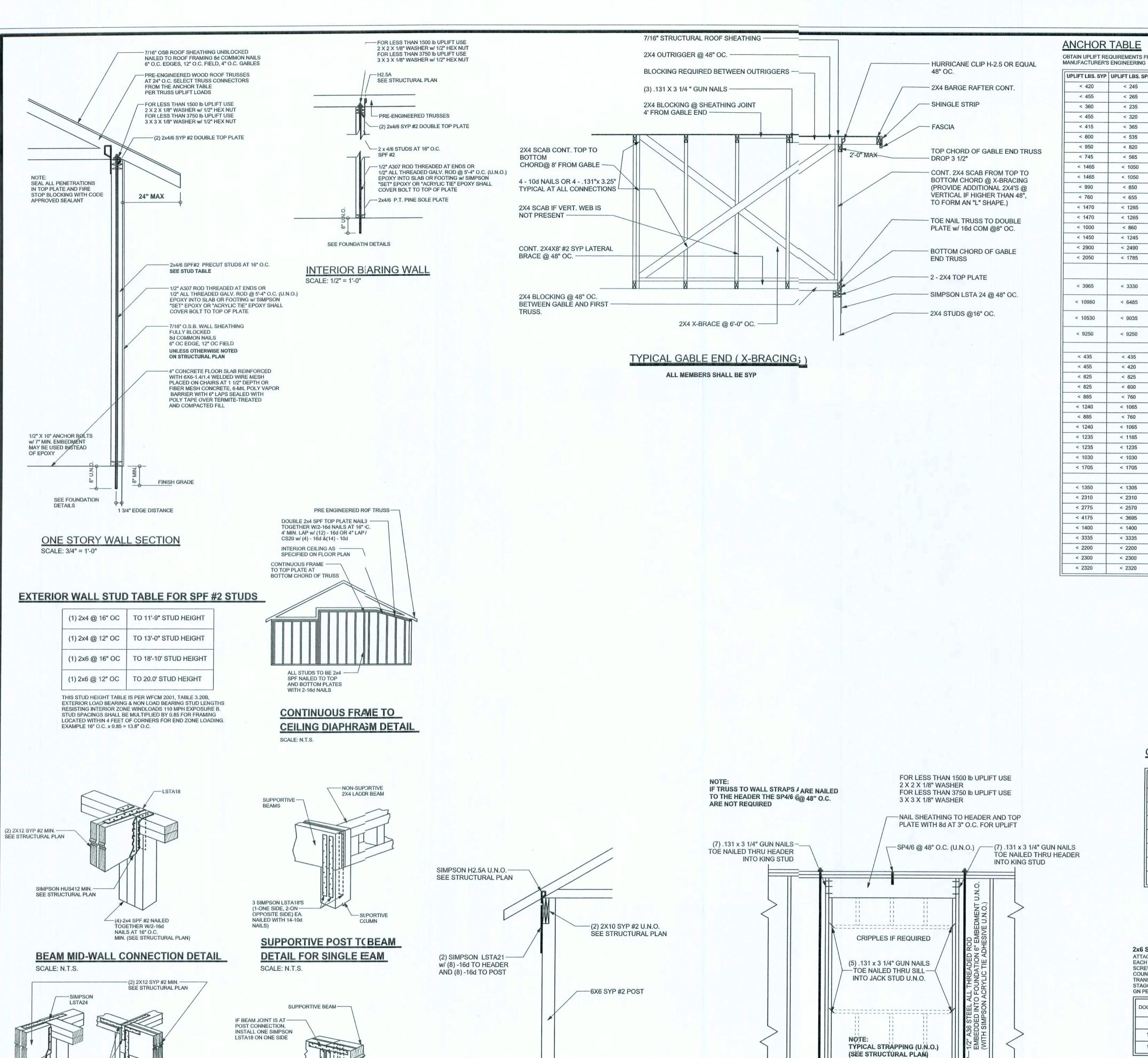


HOMETOWN HOMES WISE ESTATES LOT # 35-0



ESE ESE



-SIMPSON ABU POST BASE

(1) 2X6 SPF #2 SILL UP TO 7'-6" U.N.O.

(2) 2X4 SPF #2 SILL UP TO 7'-8" U.N.O.

(1) 2X4 SPF #2 SILL UP TO 5'-1" U.N.O.

(FOR: 120 MPH, 10'-0" WALL HEIGHT U.N.O.)

TYPICAL 1 STORY HEADER STRAPING DETAIL
SCALE: 1/2" = 1'-0"

w/ (12) - 16d & 5/8" x 10"

—SEE FOOTING DETAILS

TYPICAL PORCH POST DETAIL

ANCHOR BOLT

BEAM W/4-16d

BEAM MAY BE ATTACHED IN EITHER METHOD SHOWN ABOVE

BEAM CORNER CONNECTION. DETAIL

SEE STRUCTURAL PLAN

SCALE: N.T.S.

4-SIMPSON LSTA18 ----

1 3-1/2" P.

SUPPORTIVE CENTER POST TO BEAM DETAIL

(2-ONE SIDE, 2-ON

OTHER SIDE)

SCALE: N.T.S.

#### **ANCHOR TABLE**

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS

	UPLIFT LBS. SPF	TRUSS CONNECTOR*	TO PLATES	TO RAFTER/TRUSS	TO STUDS
< 420	< 245	H5A	3-8d	3-8d	
< 455	< 265	H5	4-8d	4-8d	
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	H3	4-8d	4-8d	
< 415	< 365	H2.5	5-8d	5-8d	
< 600	< 535	H2.5A	5-8d	5-8d	
< 950	< 820	H6	8-8d	8-8d	
< 745	< 565	H8	5-10d, 1 1/2"	5-10d, 1 1/2"	
< 1465	< 1050	H14-1	13-8d	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d	12-8d, 1 1/2"	
< 990	< 850	H10-1	8-8d, 1 1/2"	8-8d, 1 1/2"	
< 760	< 655	H10-2	6-10d	6-10d	
< 1470	< 1265	H16-1	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1470	< 1265	H16-2	10-10d, 1 1/2"	2-10d, 1 1/2"	
< 1000	< 860	MTS24C	7-10d 1 1/2"	7-10d 1 1/2"	
< 1450	< 1245	HTS24	12-10d 1 1/2"	12-10d 1 1/2"	
< 2900	< 2490	2 - HTS24			
< 2050	< 1785	LGT2	14 -16d	14 -16d	
		HEAVY GIRDER TIEDOWNS*			TO FOUNDATION
< 3965	< 3330	MGT		22 -10d	1-5/8" THREADED ROD 12" EMBEDMENT
< 10980	< 6485	HGT-2		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 10530	< 9035	HGT-3		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
< 9250	< 9250	HGT-4		16 -10d	2-5/8" THREADED ROD 12" EMBEDMENT
		STUD STRAP CONNECTOR*			TO STUDS
< 435	< 435	SSP DOUBLE TOP PLATE	3 -10d		4 -10d
< 455	< 420	SSP SINGLE SILL PLATE	1 -10d		4 -10d
< 825	< 825	DSP DOUBLE TOP PLATE	6 -10d		8 -10d
< 825	< 600	DSP SINGLE SILL PLATE	2 -10d		8 -10d
< 885	< 760	SP4			6-10d, 1 1/2"
< 1240	< 1065	SPH4			10-10d, 1 1/2"
< 885	< 760	SP6			6-10d, 1 1/2"
< 1240	< 1065	SPH6			10-10d, 1 1/2"
< 1235	< 1165	LSTA18	14-10d		
< 1235	< 1235	LSTA21	16-10d		
< 1030	< 1030	CS20	18-8d		
< 1705	< 1705	CS16	28-8d		
		STUD ANCHORS*	TO STUDS		TO FOUNDATION
< 1350	< 1305	LTT19	8-16d		1/2" AB
< 2310	< 2310	LTTI31	18-10d, 1 1/2"		1/2" AB
< 2775	< 2570	HD2A	2-5/8" BOLTS		5/8" AB
< 4175	< 3695	HTT16	18 - 16d		5/8" AB
< 1400	< 1400	PAHD42	16-16d		
< 3335	< 3335	HPAHD22	16-16d		
< 2200	< 2200	ABU44	12-16d		1/2" AB
< 2300	< 2300	ABU66	12-16d		1/2" AB
< 2320	< 2320	ABU88	18 - 16d		2-5/8" AB

**GRADE & SPECIES TABLE** 

SYP #2

SYP #2

SYP #2

24F-V3 SP

MICROLAM

PARALAM

2x6 SYP #2 GARAGE DOOR BUCK ATTACHMENT

ATTACH GARAGE DOOR BUCK TO STUD PACK AT

EACH SIDE OF DOOR OPENING WITH 3/8"x4" LAG

TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16d NAILS OR (2) ROWS OF .131 x 3 1/4"

24" O.C.

18" O.C.

16" O.C.

**GARAGE DOOR BUCK INSTALLATION DETAIL** 

SCREWS w/ 1" WASHER LAG SCREWS MAY BE

COUNTERSUNK. HORIZONTAL JAMBS DO NOT

GN PER TABLE BELOW:

8' - 10'

11' - 15'

16' - 18'

BRACKET. ---

2x6SYP #2 DOOR BUCK-

SCALE: N.T.S.

DOOR WIDTH 3/8" x 4" LAG

LSL TIMBERSTRAND

2x8

Fb (psi) E (10<sup>6</sup> psi)

1.6

1.6

1.6

1.8

2.0

2.0

1200

1050

975

2400

1700

2900

2900

16d (2) ROWS OF

5" O.C.

3" O.C.

.131 x 3 1/4" GN

5" O.C.

4" O.C.

#### **GENERAL NOTES:**

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, 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 MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIEV THE TRUSS DESIGNER BUILD VARIABLED ALL THE AROVE DECLIDEMENTS AND TO RESPONSIBILITY 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 REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB 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 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F'c = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" W1.4 x W1.4, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185; 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 12FT. DO NOT CUT WWM OR 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, FY = 60 KSI. ALL LAP SPLICES 40 \* DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V3SP, Fb = 2.4ksi, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCS. 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, FASTENED WITH 8d COMMON NAILS (.131), 6"OC PANEL EDGES, 12"0C INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY; 4"OC, UNO.

STRUCTURAL CONNECTORS: MANUFACTURERS 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 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" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

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**

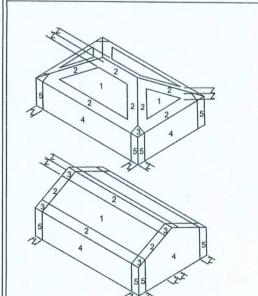
CONFIRM SITE CONDITIONS, FO BACKFILL HEIGHT, WIND SPEED	UNDATION BEARING CAPACITY, GRADE AND AND DEBRIS ZONE, AND FLOOD ZONE.	
PROVIDE MATERIALS AND CONS REQUIREMENTS FOR THE STAT	TRUCTION TECHNIQUES, WHICH COMPLY WITH FED WIND VELOCITY AND DESIGN PRESSURES.	FBCR 2004
PROVIDE A CONTINUOUS LOAD BELIEVE THE PLAN OMITS A COI THE WIND LOAD ENGINEER IMM	PATH FROM TRUSSES TO FOUNDATION. IF YOU ITINUOUS LOAD PATH CONNECTION, CALL EDIATELY.	
DESIGN, PLACEMENT PLANS, TE	IRER'S SEALED ENGINEERING INCLUDES TRUSS MPORARY AND PERMANENT BRACING DETAILS, S, AND UPLIFT AND REACTION LOADS FOR ALL	

### **ROOF SYSTEM DESIGN**

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2001 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

## **DESIGN DATA**

R GABLE ROOFS; ION OR 60 FT; NOT EXP. C AND >10% VHICHEVER IS LESS
EXP C AND >10%
VHICHEVER IS LESS
VHICHEVER IS LESS
G)
BLE R301.2(2))



					10.1
	2	19.9	-25.5	18.1	-21.8
2 3	2 O'hg		-40.6		-40.6
2 2 1	3	19.9	-25.5	18.1	-21.8
3 9	3 O'hg		-68.3		-42.4
3 4	4	21.8	-23.6	18.5	-20.4
5 5	5	21.8	-29.1	18.5	-22.6
4	Doors a			21.8	-29.1
	(Zone	st Cas 5, 10			
3	8x7 Gara	age Do	oor	19.5	-22.9
/3/ 4 5	16x7 Ga	rage [	Door	18.5	-21.0
5 22					
OTHER DWELLING ROOMS)					
PING ROOMS)					

Zone Effective Wind Area (ft2)

1 19.9 -21.8 18.1 -18.1

10 100

FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)
ROOF	20 PSF (FLAT OR <4:12)
	16 PSF (4:12 TO <12:12)
	12 PSF (12:12 AND GREATER)
STAIRS	40 PSF (ONE & TWO FAMILY DWELLINGS)
SOIL BE	ARING CAPACITY 1000PSF

REVISIONS

VINDLOAD ENGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419 Stated dimensions supercede scaled dimensions. Refer all questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification. COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserv its common law copyrights and property right in these instruments of service. This document is not to be reproduced, altered or copied in any orm or manner without first the express written ermission and consent of Mark Disosway. CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engine comply with section R301.2.1, florida building code residential 2004, to the best of my

MARK DISOSWAY P.E. 53915

LIMITATION: This design is valid for one

ouilding, at specified location.

# Keen Richard

Spec House Lot 35 Wise Estates S/D

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

PRINTED DATE: September 15, 2006

JOB NUMBER: 609085

OF 3 SHEETS

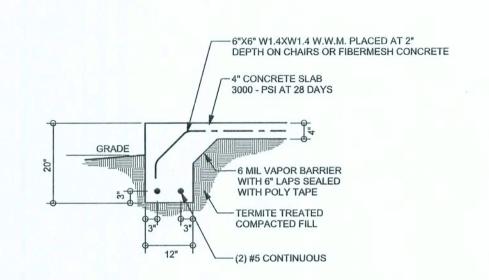
ADDRESS: Lot 35 Wise Estates S/D

Columbia County, Florida

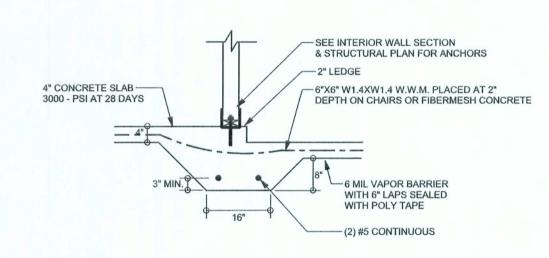
DRAWN BY: CHECKED BY: Ben Sparks

FINALS DATE: 15 / Sep / 06

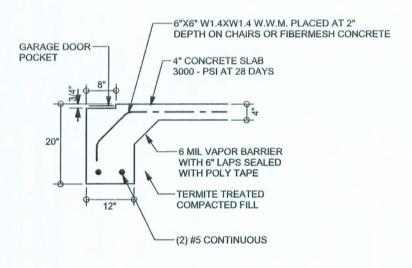
> DRAWING NUMBER S-1



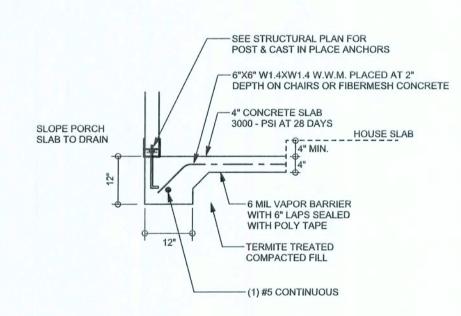
# MONOLITHIC FOOTING S-2 SCALE: 1/2" = 1'-0"



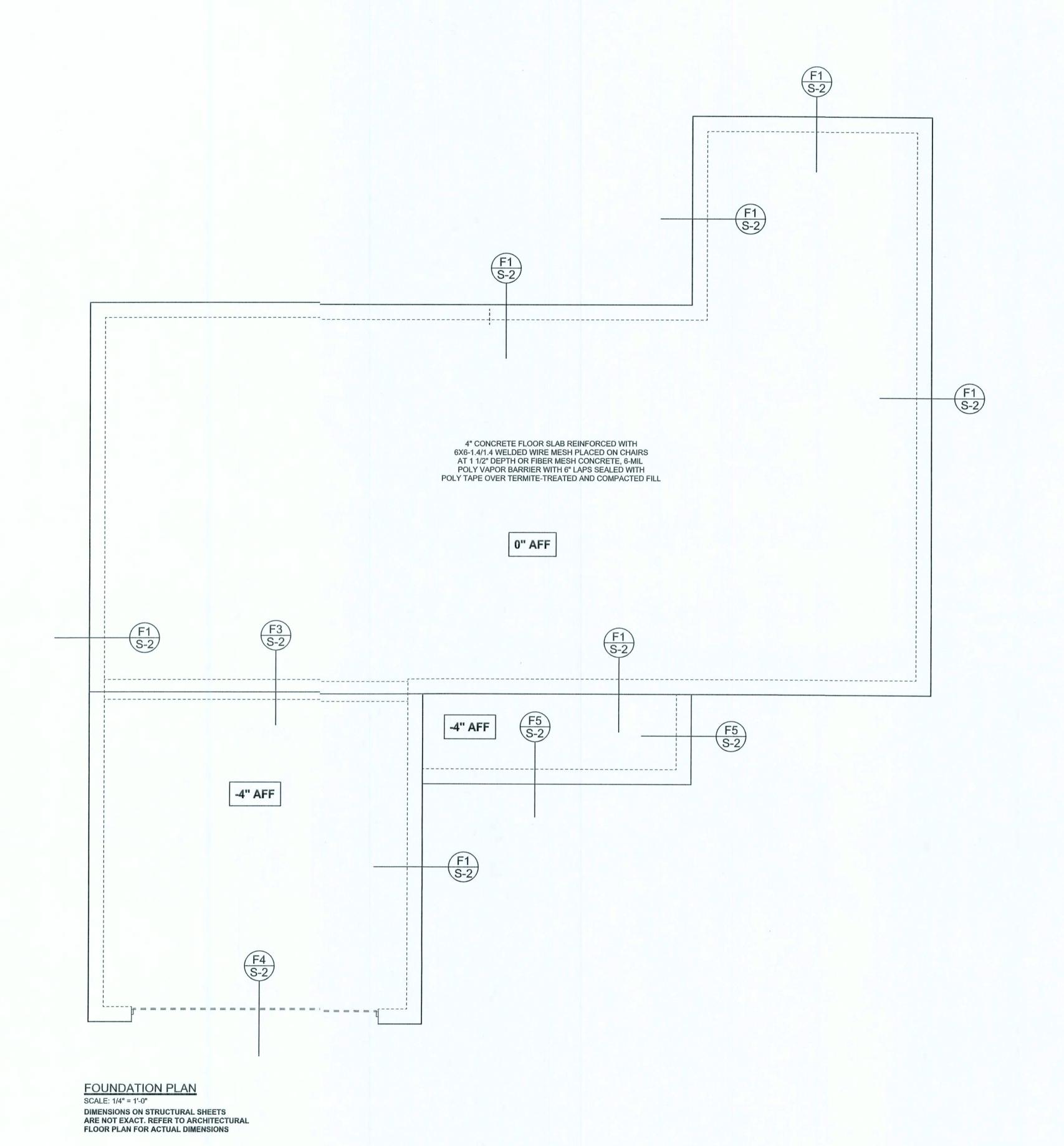
# F3 INTERIOR BEARING STEP FOOTING WITH 2" LEDGE S-2 SCALE: 1/2" = 1'-0"



# F4 GARAGE DOOR FOOTING S-2 SCALE: 1/2" = 1'-0"



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



**REVISIONS** 

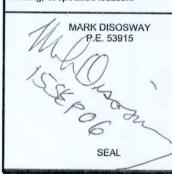
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WINDLOAD ENGINEER: Mark Disosway, PE No.53915, POB 868, Lake City, FL 32056, 386-754-5419

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permission and consent of Mark Pieceway. permission and consent of Mark Disosway. 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, florida building code residential 2004, to the best of my

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



Keen Richard

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> PRINTED DATE: September 15, 2006

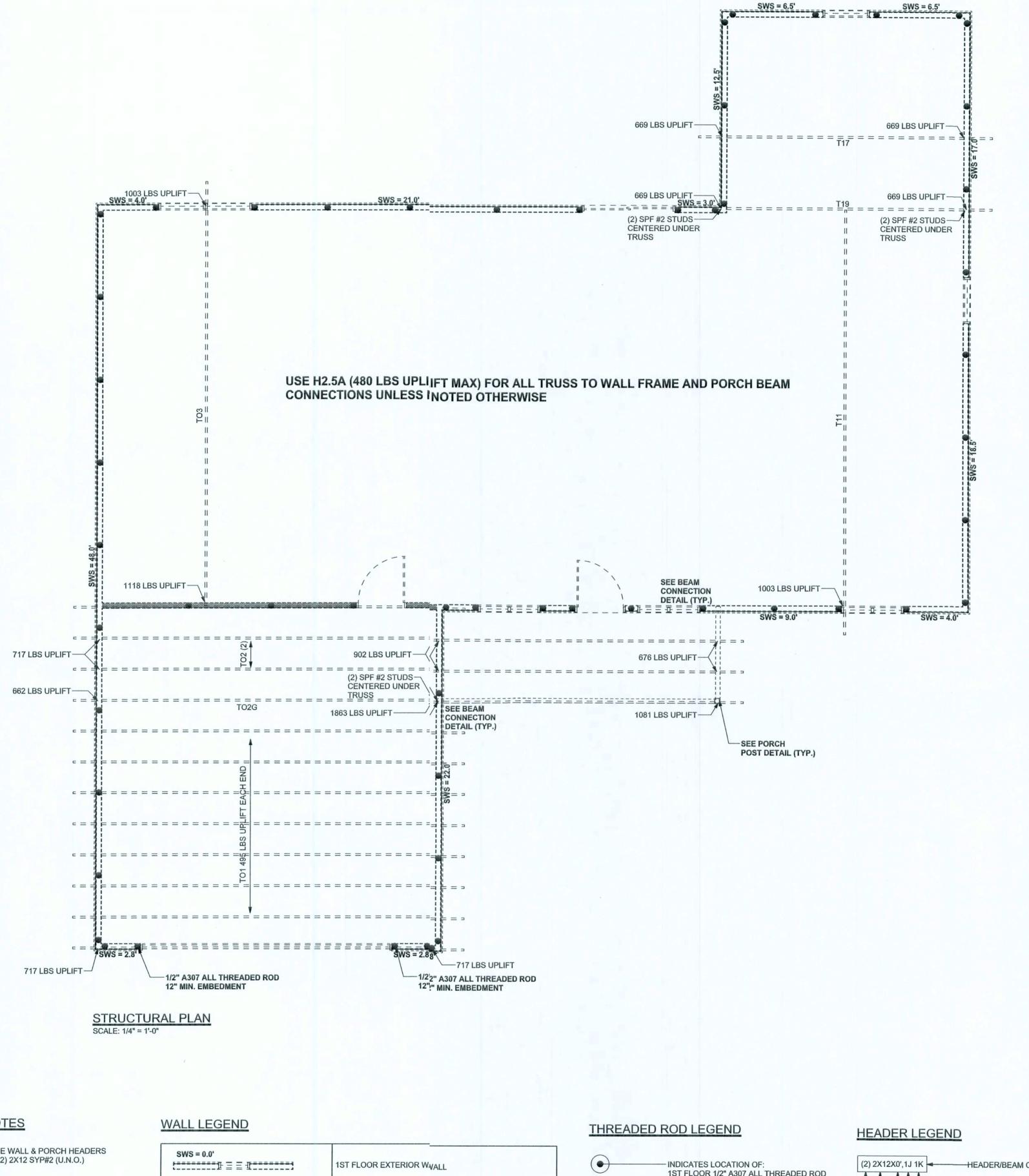
DRAWN BY: CHECKED BY: Ben Sparks

FINALS DATE: 15 / Sep / 06

JOB NUMBER: 609085 DRAWING NUMBER

**S-2** 

OF 3 SHEETS



# STRUCTURAL PLAN NOTES

- LL LOAD BEARING FRAME WALL & PORCH HEADERS HALL BE A MINIMUM OF (2) 2X12 SYP#2 (U.N.O.)
- LL LOAD BEARING FRAME WALL HEADERS SN-2 HALL HAVE (1) JACK STUD & (1) KING STUD ACH SIDE (U.N.O.)
- IMENSIONS ON STRUCTURAL SHEETS SN-3 RE NOT EXACT. REFER TO ARCHITECTURAL LOOR PLAN FOR ACTUAL DIMENSIONS

ERMANENT TRUSS BRACING IS TO BE INSTALLED AT OCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. ATERAL BRACING IS TO BE RESTRAINED PER BCSI1-03, CSI-B1, BCSI-B2, & BCSI-B3, BCSI-B1, BCSI-B2, & BCSI-B3 RE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED **RUSS PACKAGE** 

SWS = 0.0'	1ST FLOOR EXTERIOR WWALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEFARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEEARING WALLS SEE DETAILS ON SHEET SE-1

1ST FLOOR 1/2" A307 ALL THREADED ROD - INDICATES LOCATION OF: 2ND FLOOR 1/2" A307 ALL THREADED ROD

#### TOTAL SHEAR WALL SEGMENTS SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

REQUIRED ACTUAL TRANSVERSE | 35.0' | 118.0' LONGITUDINAL 19.0' 59.5'

(2) 2X12X0',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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE (JOB # L208875)

**REVISIONS** 

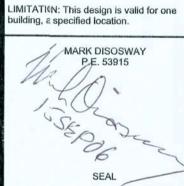
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WINDLO/D ENGINEER: Mark Disosway, PE No.53115, POB 868, Lake City, FL

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CERTIFICATION: I hereby certify that I have examined his plan, and that the applicable portions o the plan, relating to wind engineerin comply win section R301.2.1, florida building code resigntial 2004, to the best of my



Keen Richard

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PRINTED DATE: September 15, 2006 DRAVN BY: CHECKED BY:

FINALS DATE: 15 / Sep / 06

Ben Sjarks

JOB NUMBER: 609085 **PRAWING NUMBER** 

OF 3 SHEETS