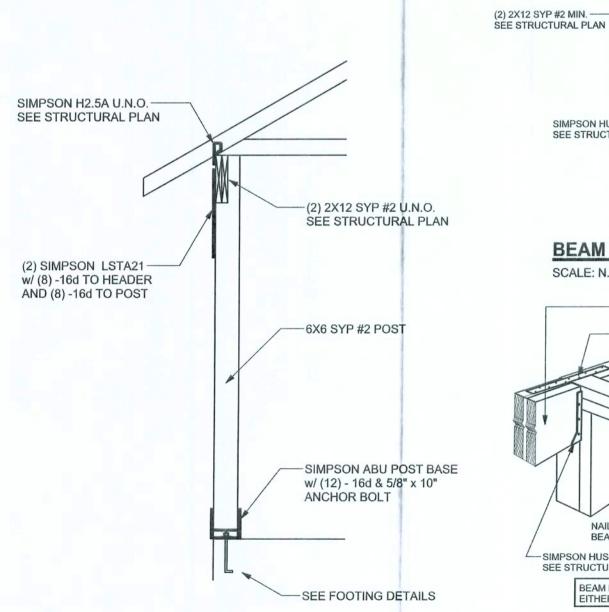


(1) 2x4 @ 16" OC TO 11'-9" STUD HEIGHT (1) 2x4 @ 12" OC TO 13'-0" STUD HEIGHT TO 18'-10' STUD HEIGHT (1) 2x6 @ 16" OC (1) 2x6 @ 12" OC TO 20.0' STUD HEIGHT

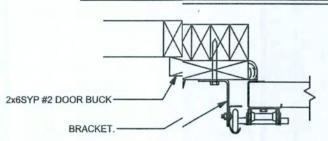
THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS ESISTING INTERIOR ZONE WINDLOADS 110 MPH EXPOSURE B. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.



TYPICAL PORCH POST DETAIL

# 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 SCREWS W/ 1" WASHEJER LAG SCREWS MAY BE COUNTERSUNK. HORIZIONTAL JAMBS DO NOT TRANSFER LOAD. CENTER LAG SCREWS OR STAGGER 16d NAILS G OR (2) ROWS OF .131 x 3 1/4"

DOOR WIDTH	3/8"8" x 4" LAG	16d STAGGER	(2) ROWS OF .131 x 3 1/4" GN	
8' - 10'	24 24" O.C.	5" O.C.	5" O.C.	
11' - 15'	<sup>1{</sup> 18" O.C.	4" O.C.	4" O.C.	
16' - 18'	<sup>16</sup> 16" O.C.	3" O.C.	3" O.C.	



HURRICANE CLIP H-2.5 OR EQUAL

TOP CHORD OF GABLE END TRUSS

CONT. 2X4 SCAB FROM TOP TO BOTTOM CHORD @ X-BRACING

(PROVIDE ADDITIONAL 2X4'S @

VERTICAL IF HIGHER THAN 48", TO FORM AN "L" SHAPE.)

- TOE NAIL TRUSS TO DOUBLE

2X4 BARGE RAFTER CONT.

48" OC.

- FASCIA

DROP 3 1/2"

**END TRUSS** 

- 2 - 2X4 TOP PLATE

- 2X4 STUDS @16" OC.

(6) .131 x 3 1/4" GUN NAILS-

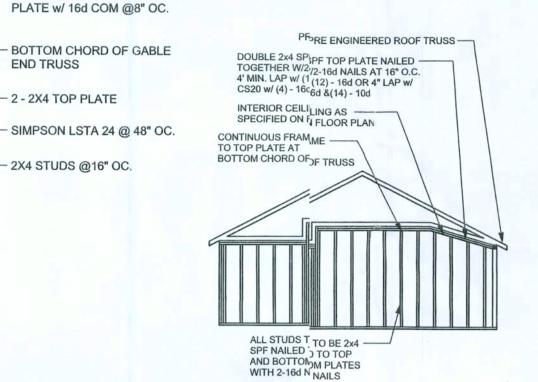
TOE NAILED THRU HEADER

- SHINGLE STRIP

### GARAGE DOOR BUICK INSTALLATION DETAIL SCALE: N.T.S.

# GRALDE & SPECIES TABLE

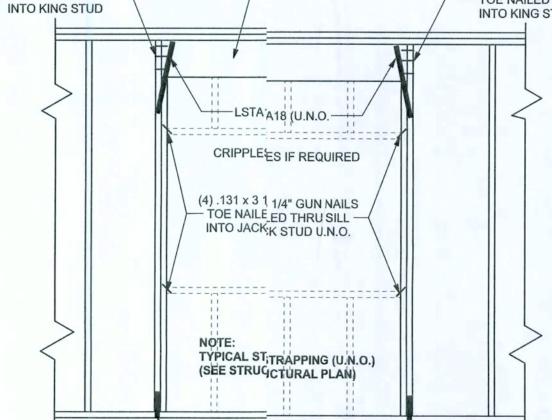
		Fb (psi)	E (10 <sup>6</sup> psi)
2x8	SYP#2	1200	1.6
2x10	SYP#2	1050	1.6
2x12	SYP#2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	1600	1.9
PSL	PARALAM	2900	2.0



CONTINUOUS FRAME TO **CEILING** DIAPHRAGM DETAIL SCALE: N.T.S.

### PLATE WITH 8d AT 4" O.C. FOR UPLIFT (6) .131 x 3 1/4" GUN NAILS TOE NAILED THRU HEADER INTO KING STUD

-NAIL SHEATHING TO HEADER AND TOP



SUPPORTIVE CENTER POST TO BEAM DETAIL SCALE: N.T.S.

- NON-SUPPORTIVE

2X4 LADDER BEAM

- SUPPORTIVE

SUPPORTIVE POST TO BEAM

DETAIL FOR SINGLE BEAM

SUPPORTIVE BEAM -

76" STRUCTURAL ROOF SHEATHING -

B)CKING REQUIRED BETWEEN OUTRIGGERS —

2X4 X-BRACE @ 6'-0" OC. --

TYPCAL GABLE END (X-BRACING)

SUPPORTIVE

3 SIMPSON LSTA18'S (1-ONE SIDE, 2-ON

NAILED WITH 14-10d

SCALE: N.T.S.

4-SIMPSON LSTA18 -

(2-ONE SIDE, 2-ON

OTHER SIDE)

NAILS)

IF BEAM JOINT IS AT-

POST CONNECTION. INSTALL ONE SIMPSON

LSTA18 ON ONE SIDE

ALL MEMBERS SHALL BE SYP

SIMPSON HUS412 MIN. -

SEE STRUCTURAL PLAN

SCALE: N.T.S.

LSTA24

NAIL THRU 2x4 INTO

BEAM MAY BE ATTACHED IN

BEAM CORNER CONNECTION. DEAIL

BEAM W/4-16d

SIMPSON HUS412 MIN. SEE STRUCTURAL PLAN

SCALE: N.T.S.

LSTA18

-(4)-2x4 SPF #2 NAILED

TOGETHER W/2-16d

MIN. (SEE STRUCTUR/PLAN)

SEE STRUCTURAPLAN

NAILS AT 16" O.C.

BEAM MID-WALL CONNECTION DETAIL

21 OUTRIGGER @ 48" OC. —

(2131 X 3 1/4 " GUN NAILS -

4'ROM GABLE END -

2) BLOCKING @ SHEATHING JOINT

-SP4 OR (2) ) H2.5A OR (2) SSP-ALL OPENINGS (U.N.O.) (1) 2X6 SPF #2 SI\ULL UP TO 11'-0" U.N.O. (1) 2X4 SPF #2 SI\ULL UP TO 7'-3" U.N.O. (FOR: 110 MPH, 10')-0" WALL HIGHT U.N.O.)

# TYPICAL HEADEFR STRAPING DETAIL

### **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 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**

	ER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH A LLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.	
	E CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND GHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.	
	TERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 ITS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.	
BELIEVE TH	ONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU PLAN OMITS A CONTINUOUS LOAD PATH CONNECTION, CALL AD ENGINEER IMMEDIATELY.	
DESIGN, PLA	RUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, RUSS CONNECTIONS, 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

< 455	< 265	H5	4-8d 4-8d		
< 360	< 235	H4	4-8d	4-8d	
< 455	< 320	НЗ	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	7 TANAS 1 - 11 - 11 - 11 - 11 - 11 - 11 - 11	12 100 1 112	
< 2050	< 1785	LGT2	14 -16d	14 -16d	
				17.5.100	
		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		0.000
< 1400	< 1400	PAHD42	16-16d		5/8" AB
< 3335	< 3335	HPAHD22	16-16d		
< 2200	< 2200	ABU44			4708.45
< 2300	< 2300		12-16d		1/2" AB
< 2320		ABU66	12-16d		1/2" AB
~ 2320	< 2320	ABU88	18 - 16d		2-5/8" AB

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

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

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

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1.) BASIC WIND SPEED = 110 MPH

3.) WIND IMPORTANCE FACTOR = 1.0

5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

2.) WIND EXPOSURE = B

**DESIGN LOADS** 

FLOOR 40 PSF (ALL OTHER DWELLING ROOMS)

30 PSF (ATTICS WITH STORAGE)

10 PSF (ATTICS WITHOUT STORAGE, <3:12)

30 PSF (SLEEPING ROOMS)

16 PSF (4:12 TO <12:12)

NOT IN FLOOD ZONE (BUILDER TO VERIFY)

12 PSF (12:12 AND GREATER)

STAIRS 40 PSF (ONE & TWO FAMILY DWELLINGS)

ROOF 20 PSF (FLAT OR <4:12)

SOIL BEARING CAPACITY 1000PSF

4.) BUILDING CATEGORY = II

(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS;

ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10%

MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT

SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

TO PLATES TO RAFTER/TRUSS

TO STUDS

ANCHOR TABLE

MANUFACTURER'S ENGINEERING

< 420

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS

**DESIGN DATA** 

UPLIFT LBS. SYP UPLIFT LBS. SPF TRUSS CONNECTOR\*

< 245

< 265

REVISIONS

SOFTPIAN

19.9 -21.8 18.1 -18.1

19.9 -25.5 18.1 -21.8

4 21.8 -23.6 18.5 -20.4

5 21.8 -29.1 18.5 -22.6

Doors & Windows | 21.8 | -29.1

8x7 Garage Door | 19.5 | -22.9

16x7 Garage Door 18.5 -21.0

2 O'hg -40.6

Worst Case

(Zone 5, 10 ft2)

Mark Disosway, P.E. for reolution. Do not proceed without claification. COPYRIGHTS AND PROPERTY RIGHTS Mark Disosway, P.E. hereb expressly resen ts common law copyrights and property right ese instruments of servic. This document is not to be reproduced, alterd or copied in any

> CERTIFICATION: I hereby:ertify that I have amined this plan, and the the applicable rtions of the plan, relating to wind engine comply with section R301.21, florida building code residential 2004, to the best of my

form or manner without firs the express writte

ermission and consent of lark Disosway.

INDLOAD ENGINEER: Nark Disosway,

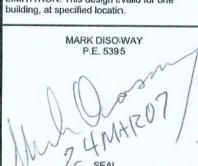
PE No.53915, POB 868, Lke City, FL

Stated dimensions supercele scaled

imensions. Refer all questons to

32056, 386-754-5419

LIMITATION: This design isvalid for one



Peterson Construction

Spec House Lot 2 Block A Columbia Estates S/D

ADDRESS: Lot 2 Block A Columbia Estates S/I Columbia Couny, Florida

Mark Disosvay P.E. P.O. Box868 Lake City, Florda 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871

PRINTED DATE: March 23, 2(07 DRAWN BY: CHECKED BY: David Disosway

FINALS DATE: 23 / Mar / 07

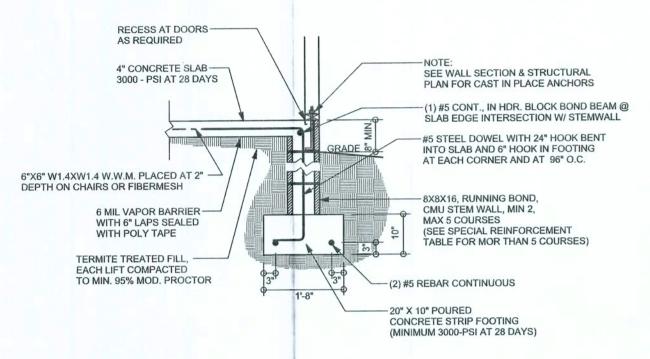
> JOB NUMBER: 703221

> > DRAWING NIMBER

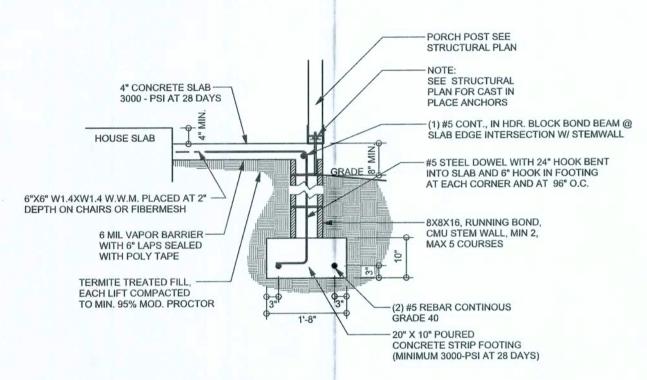
OF 3 SHEETS

**MASONRY NOTES:** MASONRY CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602). THE CONTRACTOR AND MASON MUST IMMEDIATELY, BEFORE PROCEDING, NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN ACI 530.1-02 AND THESE DESIGN DRAWINGS. ANY EXCEPTIONS TO ACI 530.1-02 MUST BE APPROVED BY THE ENGINEER IN WRITING.

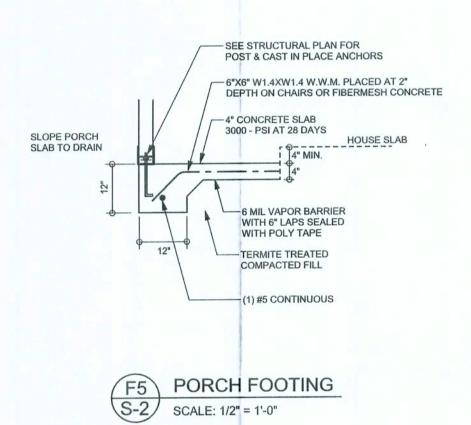
	ACI530.1-02 Section	Specific Requirements		
1.4A	Compressive strength	8" block bearing walls F'm = 1500 psi		
2.1	Mortar	ASTM C 270, Type N, UNO		
2.2	Grout	ASTM C 476, admixtures require approva		
2.3	CMU standard	ASTM C 90-02, Normal weight, Hollow, medium surface finish, 8"x8"x16" running bond and 12"x12" or 16"x16" column block		
2.3	Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"		
2.4	Reinforcing bars, #3 - #11	#11 ASTM 615, Grade 60, Fy = 60 ksi, Lap splices min 48 bar dia. (30" for #5)		
2.4F	Coating for corrosion protection  Anchors, sheet metal ties completely embedded in mortar or grout, ASTM A525, Class G60, 0.60 oz/ft2 or 30453			
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet me ties not completely embedded in mortar grout, ASTM A153, Class B2, 1.50 oz/ft/2 or 304SS		
3.3.E.2	Pipes, conduits, and accessories	Any not shown on the project drawings require engineering approval.		
3.3.E.7 Movement joints		Contractor assumes responsibility for type and location of movement joints if not detailed on project drawings.		



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



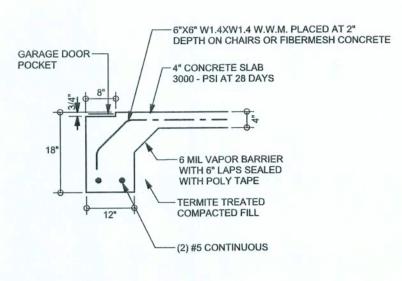
F12 ALT. STEM WALL PORCH FOOTING
S-2 SCALE: 1/2" = 1'-0"



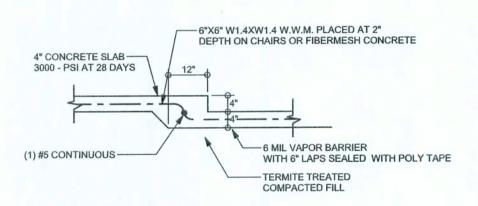
TALL STEM WALL TABLE

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 Durowall ladder reinforcement at 16"OC 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.

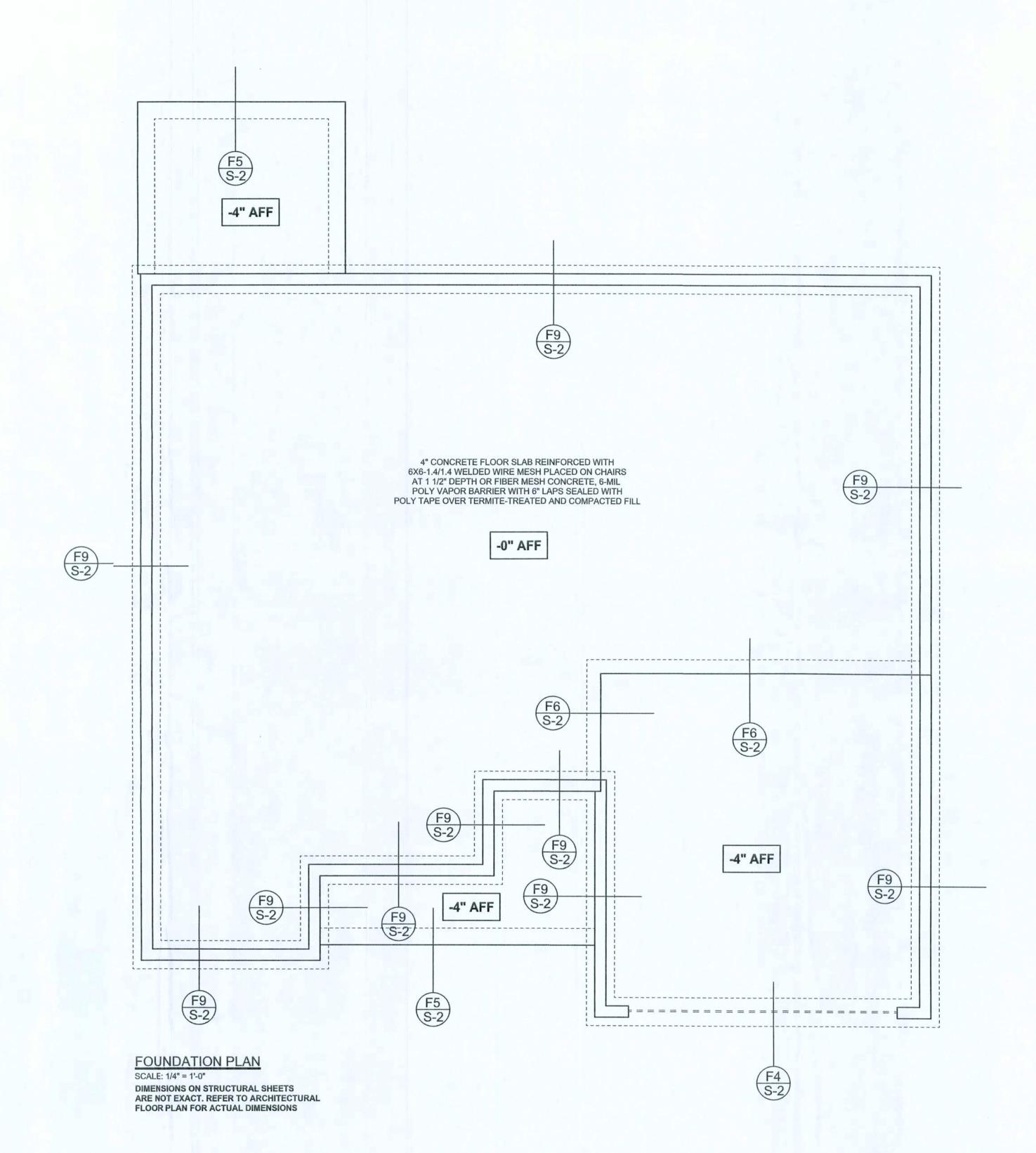
STEMWALL UNBALANCE HEIGHT BACKFILL (FEET) HEIGHT		VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORGEMENT FOR 12" CMU STEMWALL (INCHES O.C.		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	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



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



F6 TYPICAL NON - BEARING STEP FOOTING
S-2 SCALE: 1/2" = 1'-0"



REVISIONS

SOFTP AN ARCHITECTURAL DISIGN SOFTWARE

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

DIMENSIONS: Stated dimensions supecede scaled dimensions. Refer all questions to Mark Disosway, P.E. foresolution. Do not proceed without larification.

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CERTIFICATION: I herey certify that I have examined this plan, and hat the applicable portions of the plan, relaing to wind engineering comply with section R30.2.1, florida building code residential 2004, to the best of my knowledge.

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

MARK DISOSWAY P.E. 3915

Peterson Construction

Spec House Lot 2 Block A Columbia Estates S/D

ADDIESS: Lot 2 Block A Colimbia Estates S/D Columbia Conty, Florida

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

PRINTED DATE:
March 23,2007

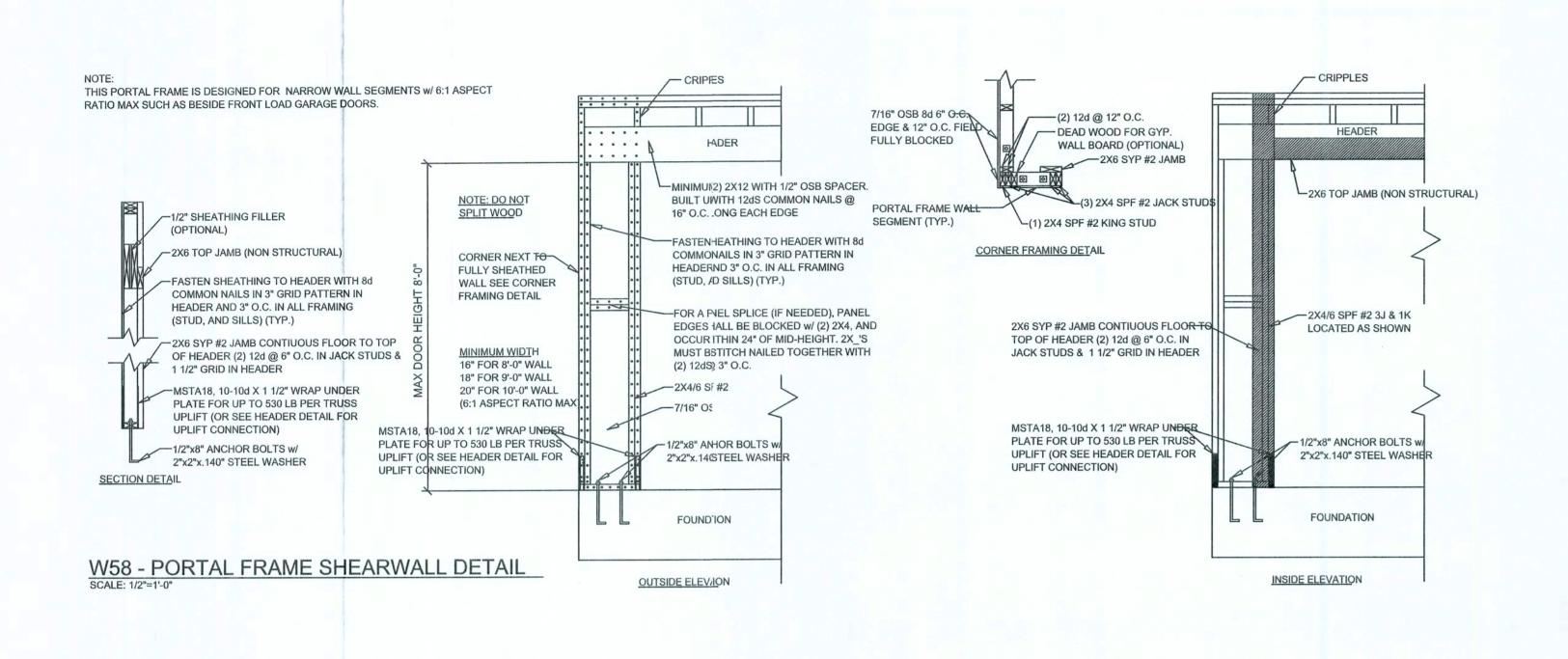
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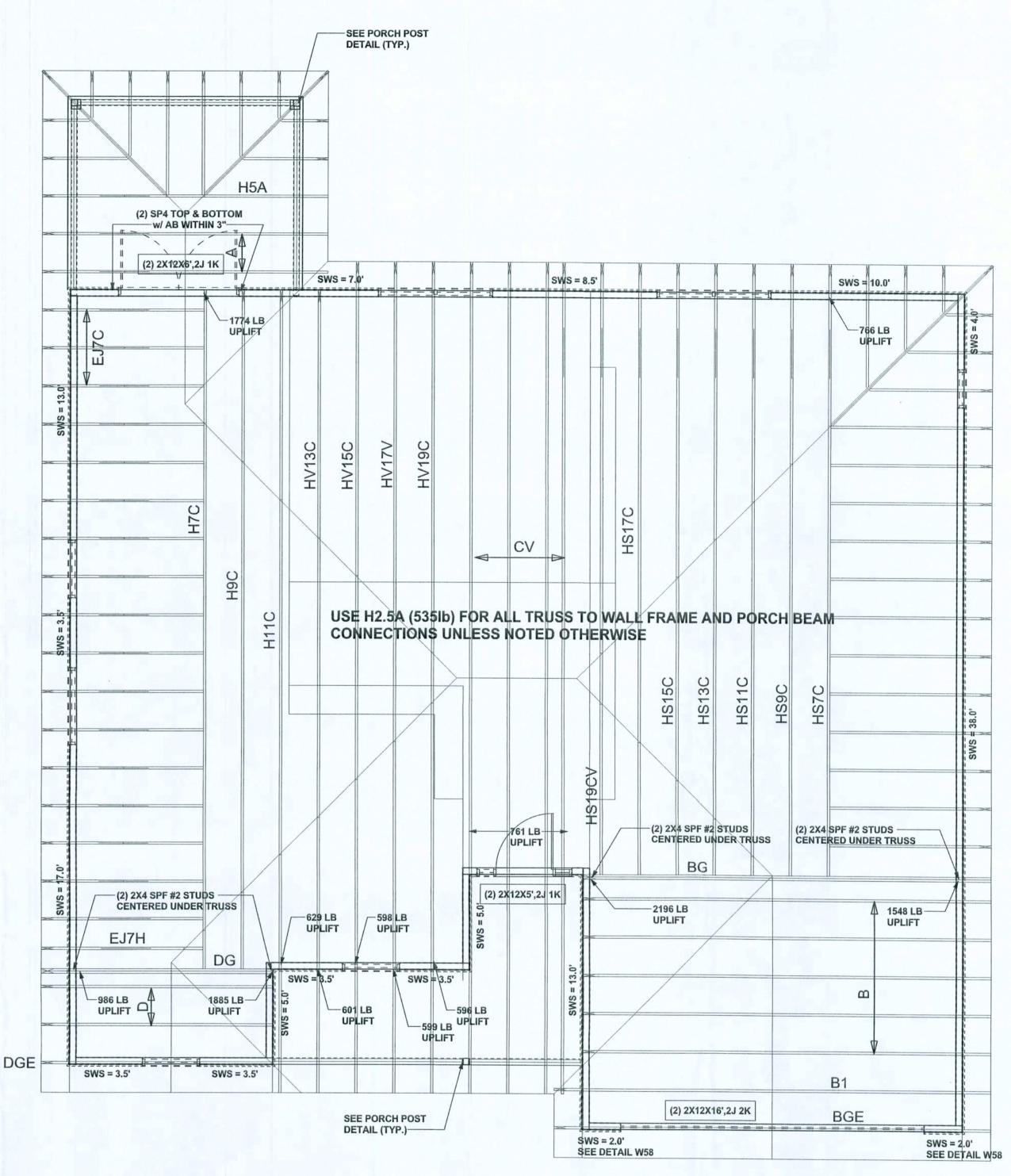
FINALS DATE: 23 / Mar / 07

David Disosway

JOB NLMBER: 703221 DRAWINGNUMBER

S-2
OF 3 SHEETS





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

# STRUCTURAL PLAN NOTES

SN-1 ALL LOAIAD BEARING FRAME WALL & PORCH HEADERS SHALL BIBE A MINIMUM OF (2) 2X12 SYP #2 (U.N.O.)

SN-2 ALL LOAIAD BEARING FRAME WALL HEADERS SHALL HHAVE (1) JACK STUD & (1) KING STUD EACH SIGIDE (U.N.O.)

SN-3 DIMENSISIONS ON STRUCTURAL SHEETS
ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR F PLAN FOR ACTUAL DIMENSIONS

PERMANNENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS.
LATERALL BRACING IS TO BE RESTRAINED PER BCSI1-03,
BCSI-B1,1, BCSI-B2, & BCSI-B3. BCSI-B1, BCSI-B2, & BCSI-B3
ARE FURRNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PPACKAGE

# WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR WALL
IBW	1ST FLOOR INTERIOR BEARING WALL
IBW	2ND FLOOR INTERIOR BEARING WALL

DIMENSIONS: Stated dimensions superede scaled dimensions. Refer all questions to Mark Disosway, P.E. for esolution.

WINDLOAD ENGINEER Mark Disosway,

PE No.53915, POB 868,Lake City, FL

REVISIONS

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form or manner without 1st the express written permission and consent of Mark Disosway. CERTIFICATION: I herey certify that I have examined this plan, and hat the applicable portions of the plan, relang to wind engineerin comply with section R30.2.1, florida building code residential 2004, tothe best of my

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LIMITATION: This design is valid for one

building, at specified location. MARK DISOSWAY P.E. 5915

Peterson Construction

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

TRANSVERSE 29.5' 98.5'

LONGITUDINAL 26.3' 43.5'

**HEADER LEGEND** 

REQUIRED ACTUAL

(2) 2X12X0',1J 1K HEADER/BEAM CALL-OUT (U.N.O.)

-SPAN OF HEADER

SIZE OF HEADER MATERIAL

---NUMBER OF PLIES IN HEADER

----NUMBER OF KING STUDS (FULL LENGTH)

CONNECTIONS, WALL, & HEADER DESIGN IS BASED

FURNISHED BY BUILDER. ANDERSON TRUSS

ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING

—NUMBER OF JACK STUDS (UNDER HEADER)

Spec House Lot 2 Block A Columbia Estates S/D

ADDIESS: Lot 2 Block A Columbia Estates S/D Columbia County, Florida

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

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**S-3** OF 3 SHEETS