

MATERIALS

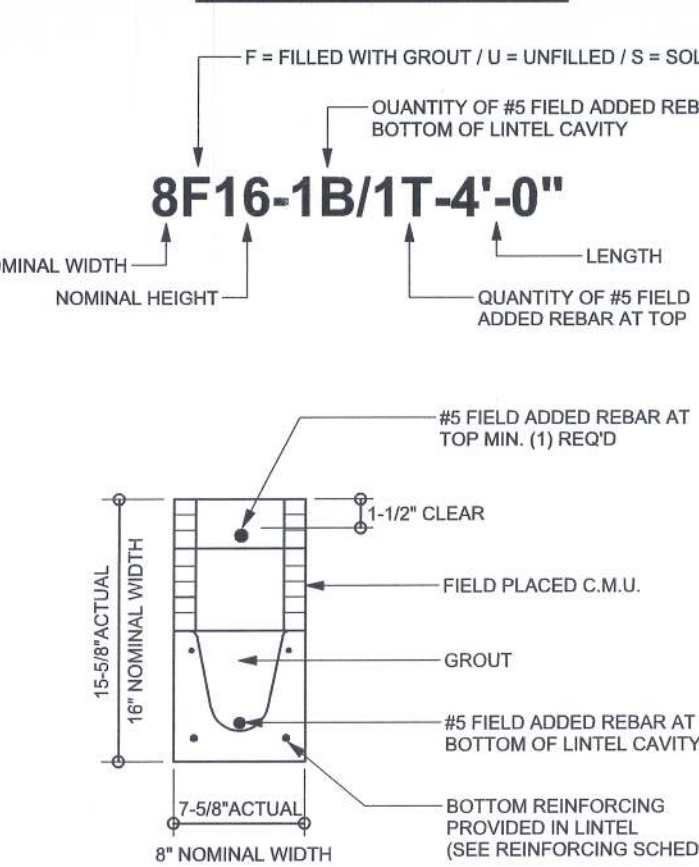
1. C 8" precast lintel = 3500 psi
2. C prestressed lintel = 6000 psi
3. Grout per ASTM C476 Fc = 3000 psi w/ maximum 3/8 inch aggregate & 8 to 11 inch slump
4. Concrete Masonry Units (CMU) per ASTM C90 minimum net area compressive strength = 1900 psi
5. Rebar per ASTM A615 grade 60
6. Prestressing strand per ASTM A416 grade 270 low relaxation
7. Mortar per ASTM C270 type M or S

GENERAL NOTES

1. Provide full mortar bed and head joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural documents.
4. U-Intels are manufactured with 5 1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels meet or exceed L/80 deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180 deflection.
6. Bottom field added rebar to be located at the bottom of the lintel cavity.
7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.

9. Safe load rating based on rational design analysis per ACI 318 and ACI 530
10. Product Approvals: Miami-Dade County, Florida No. 03-0606.05
11. The exterior surface of lintels installed in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C-296 or other approved coating.
12. Lintels loaded simultaneously with vertical (gravity or uplift) and horizontal (lateral) loads should be checked for the combined loading with the following equation:
Applied vertical load + Applied horizontal load ≤ 1.0
Safe vertical load + Safe horizontal load
13. Additional lateral load capacity can be obtained by the designer by providing additional reinforced concrete masonry above the lintel. See detail at right:

TYPE DESIGNATION



SAFE LOAD TABLE NOTES

1. All values based on minimum 4 inch nominal bearing.
2. N.R. = Not Rated.
3. Safe loads are superimposed allowable loads.
4. Safe loads based on grade 40 or grade 60 field rebar.
5. One #7 rebar may be substituted for two #5 rebars in 8" lintels only.
6. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from face of support.

7. For composite lintel heights not shown, use safe load from next lower height shown.
8. For lintel lengths not shown, use safe load from next longest length shown.
9. All safe loads in units of pounds per linear foot.
10. All safe loads based on simply supported span.
11. The number in the parenthesis indicates the percent reduction for grade 40 field added rebar.
- Example 7'-6" lintel type 8F32-1B safe gravity load = 6472(10.0469) = 6501 pif

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT					
		8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F32-0B
2'-10" (34")	PRECAST	2231	3069	4605	6113	8974	10394
3'-6" (42")	PRECAST	2231	3069	4605	6113	8974	10394
4'-0" (48")	PRECAST	1966	2561	3719	5183	7421	8542
4'-6" (54")	PRECAST	1599	2093	3069	4183	5974	6824
5'-4" (64")	PRECAST	1217	1599	2189	2931	4074	4624
5'-10" (70")	PRECAST	1062	1405	1913	2531	3524	3974
6'-8" (78")	PRECAST	908	1238	1677	2247	3147	3547
7'-4" (90")	PRECAST	743	1011	1379	1861	2617	2947
9'-4" (112")	PRECAST	554	752	1015	1343	1861	2117
10'-6" (126")	PRECAST	475	643	865	1133	1543	1743
11'-4" (136")	PRECAST	362	582	795	1036	1379	1543
12'-0" (144")	PRECAST	337	540	735	954	1254	1394
13'-4" (160")	PRECAST	256	471	654	865	1133	1254
14'-0" (168")	PRECAST	279	424	606	815	1074	1184
14'-8" (176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
15'-4" (184")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
17'-4" (208")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
19'-4" (232")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
21'-4" (256")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
22'-0" (264")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR
24'-0" (288")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT					
		8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F32-1T
2'-10" (34")	PRECAST	1972	3173	4460	5747	8321	9608
3'-6" (42")	PRECAST	1972	3173	4460	5747	8321	9608
4'-0" (48")	PRECAST	1569	2524	3547	4569	6513	7536
4'-6" (54")	PRECAST	1569	2524	3547	4569	6513	7536
5'-4" (64")	PRECAST	1363	2192	3078	3966	5406	6227
5'-10" (70")	PRECAST	1207	1940	2724	3508	4777	5561
6'-8" (78")	PRECAST	1016	1632	2290	2949	4054	4624
7'-4" (90")	PRECAST	859	1402	1933	2584	3587	4054
7'-6" (90")	PRECAST	835	1340	1880	2419	3408	3908
9'-4" (112")	PRECAST	727	1186	1624	2102	2873	3258
10'-6" (126")	PRECAST	591	890	1233	1617	2152	2494
11'-4" (136")	PRECAST	530	792	1094	1427	1913	2194
12'-0" (144")	PRECAST	474	695	954	1254	1677	1894
13'-4" (160")	PRECAST	404	582	806	1066	1427	1594
14'-0" (168")	PRECAST	384	540	754	1004	1343	1494
14'-8" (176")	PRESTRESSED	239	323	447	587	795	894
15'-4" (184")	PRESTRESSED	224	302	415	547	735	824
17'-4" (208")	PRESTRESSED	187	255	347	456	613	694
19'-4" (232")	PRESTRESSED	162	222	302	394	515	584
21'-4" (256")	PRESTRESSED	142	198	267	347	456	515
22'-0" (264")	PRESTRESSED	137	187	255	334	447	504
24'-0" (288")	PRESTRESSED	124	175	237	311	415	464

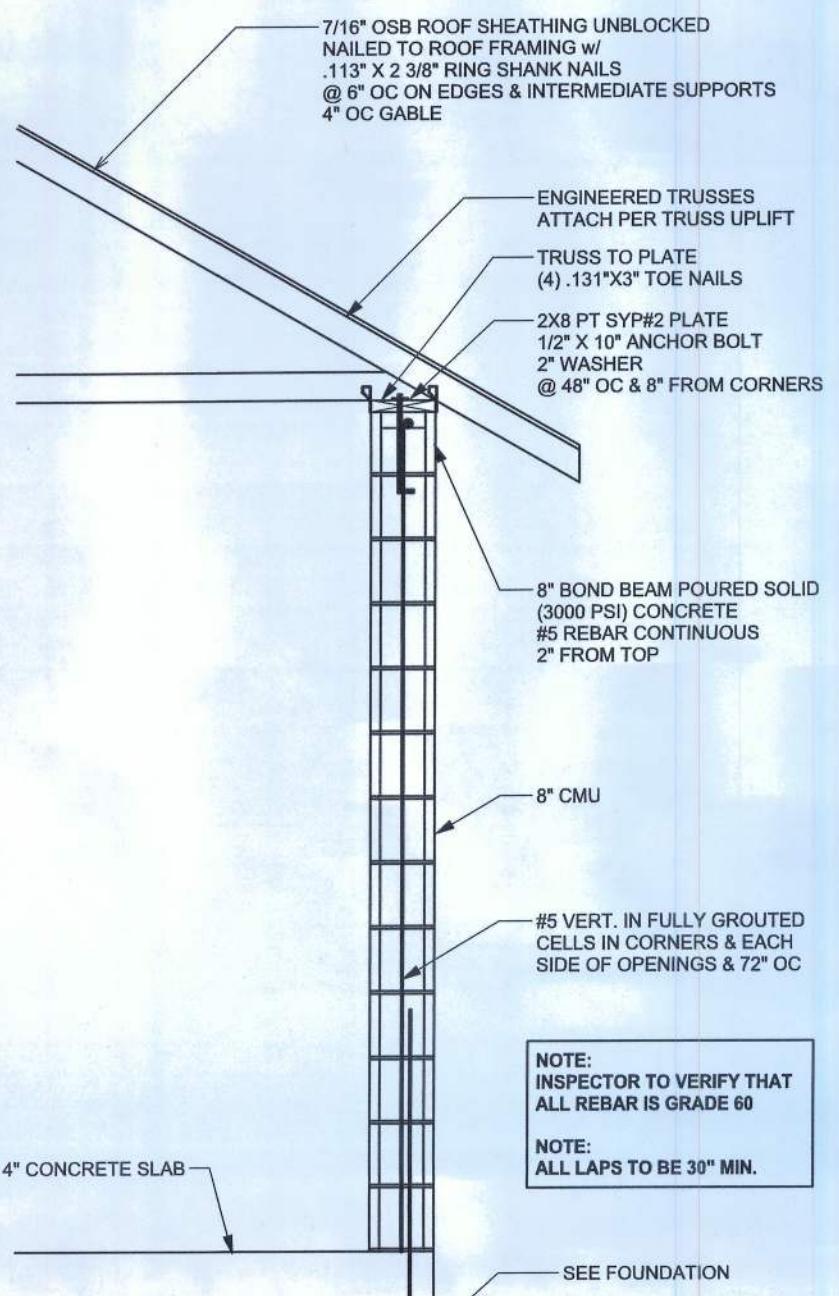
LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT					
		8R8-0B	8R12-0B	8R16-0B	8R20-0B	8R24-0B	8R32-0B
4'-4" (52")	PRECAST	1635	1749	3355	4290	5421	6483
4'-6" (54")	PRECAST	1494	1596	3063	3922	4945	5924
5'-8" (68")	PRECAST	866	1167	2441	3147	3922	4624
5'-10" (70")	PRECAST	810	1074	2247	2931	3624	4294
6'-8" (80")	PRECAST	797	1011	2189	2861	3524	4184
7'-6" (90")	PRECAST	669	859	1861	2419	3069	3624
9'-8" (116")	PRECAST	411	526	1133	1514	1913	2247

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT					
		8R8-1T	8R12-1T	8R16-1T	8R20-1T	8R24-1T	8R32-1T
4'-4" (52")	PRECAST	805	1011	1677	2247	2861	3524
4'-6" (54")	PRECAST	867	1074	1749	2379	3024	3624
5'-8" (68")	PRECAST	675	859	1402	1861	2379	2861
5'-10" (70")	PRECAST	655	824	1340	1749	2247	2736
6'-8" (80")	PRECAST	570	724	1186	1543	1913	2247
7'-6" (90")	PRECAST	508	669	1011	1343	1677	1913
9'-8" (116")	PRECAST	395	491	815	1074	1343	1543

EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 10'-6" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-7" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 16'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 16'-7" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.208. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS 110 MPH EXPOSURE C. STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 18" O.C. x 0.85 = 15.3" O.C.



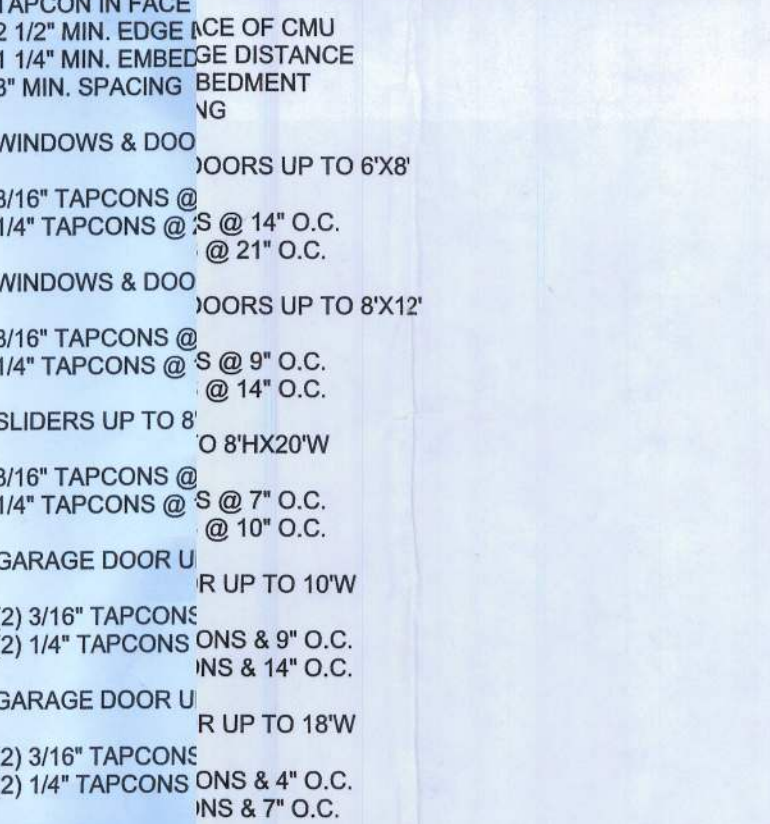
EXTERIOR WALL ONE STORY CMU



GRADE & SPECIES TABLE

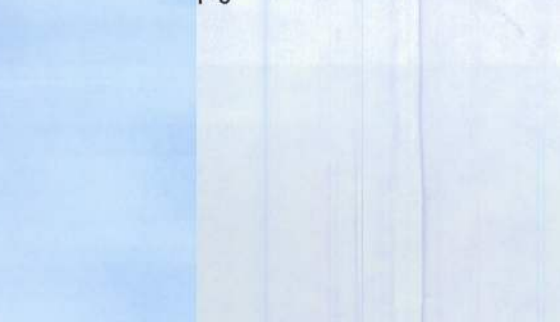
GRADE	SPECIES	Fb (psi)	E (10 ⁶ psi)
2x8	SYP	1200	1.6
2x10	SYP	1050	1.6
2x12	SYP	975	1.6
GLB	24F-V3	2400	1.8
LVL	TIMBERS	1700	1.7
LVL	MICRO	2900	2.0
PSL	PARAL	2900	2.0

DOOR & WINDOW BUCK ATTACHMENT



TYPICAL BOND BEAM CORNER

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



WOOD ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS. SPF	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, 1 1/2"	12-8d, 1 1/2"	
< 1465	< 1050	H14-2	15-8d, 1 1/2"	12-8d, 1 1/2"	
< 980	< 850	H10-1	8-8d, 1 1/2"	7-10d, 1 1/2"	
< 760	< 655	H10-2	6-10d, 1 1/2"	6-10d, 1 1/2"	
< 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	< 2400	2 - HTS24			
< 2050	< 1785	LG72	14-16d	14-16d	

MASONRY TRUSS ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

UPLIFT LBS.	TRUSS CONNECTOR MASONRY *	TO STUDS	TO FOUNDATION
< 1205	TA22	10-10d x 1 1/2"	1/2" AB
< 1605	TA22	11-10d	1/2" AB
< 860	MTSM20	4 - 1/4"x12" 1/4" TITEN IN BLOCK 7 - 10d IN TRUSS	5/8" AB
< 1175	HTSM20	4 - 1/4"x12" 1/4" TITEN IN BLOCK 10 - 10d IN TRUSS	5/8" AB
< 1040	META20	7-10d, 1 1/2"	
< 1490	META20	10-10d, 1 1/2"	
< 1780	HETA20	7-16d	
< 1780	LG72	7 - 1/4"x12" 1/4" TITEN IN BLOCK 14 - 16d SINKER IN GIRDER	
< 2130	HHETA20	17-10d, 1 1/2"	
< 2310	HHETA24	21-10d, 1 1/2"	
< 3965	MGT	22-10d TO TRUSS 5/8 AB TO WALL 15" EMBEDMENT	
< 10980	HGT-2	16-10d TO TRUSS (2) 3/4 AB TO WALL 15" EMBEDMENT	
< 10530	HGT-3	16-10d TO TRUSS (2) 3/4 AB TO WALL 15" EMBEDMENT	

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 PROCEEDING, 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.

1.4A	ACI530.1-02 Section	Specific Requirements
2.1	Compressive strength	8" block bearing walls F'm = 1500 psi
2.2	Mortar	ASTM C 270, Type N, UNO
2.3	CMU standard	ASTM C 476, admixtures require approval
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
2.4	Reinforcing bars, #3 - #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/ft ² or 304SS
2.4F	Coating for corrosion protection	Joint reinforcement in walls exposed to moisture or wire ties, anchors, sheet metal ties not completely embedded in mortar or 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.

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS. THE TRUSS MANUFACTURER SHALL BE NOTIFIED OF THE TRUSS DESIGNER'S REQUIREMENTS. THE TRUSS MANUFACTURER SHALL BE NOTIFIED OF THE TRUSS DESIGNER'S REQUIREMENTS. THE TRUSS MANUFACTURER SHALL BE NOTIFIED OF THE TRUSS DESIGNER'S REQUIREMENTS. THE TRUSS MANUFACTURER SHALL BE NOTIFIED OF THE TRUSS DESIGNER'S REQUIREMENTS.

FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 100 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE)

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

WELDED WIRE REINFORCED SLAB: 6" x 6" W14 x W14, Fy = 80ksi, WELDED WIRE REINFORCEMENT FABRIC (W.W.R.) 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 1 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 Joints 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 TENDENCY OF 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 DETAILLED AND PLACED IN ACCORDANCE WITH ACI 318-98, U.N.O.

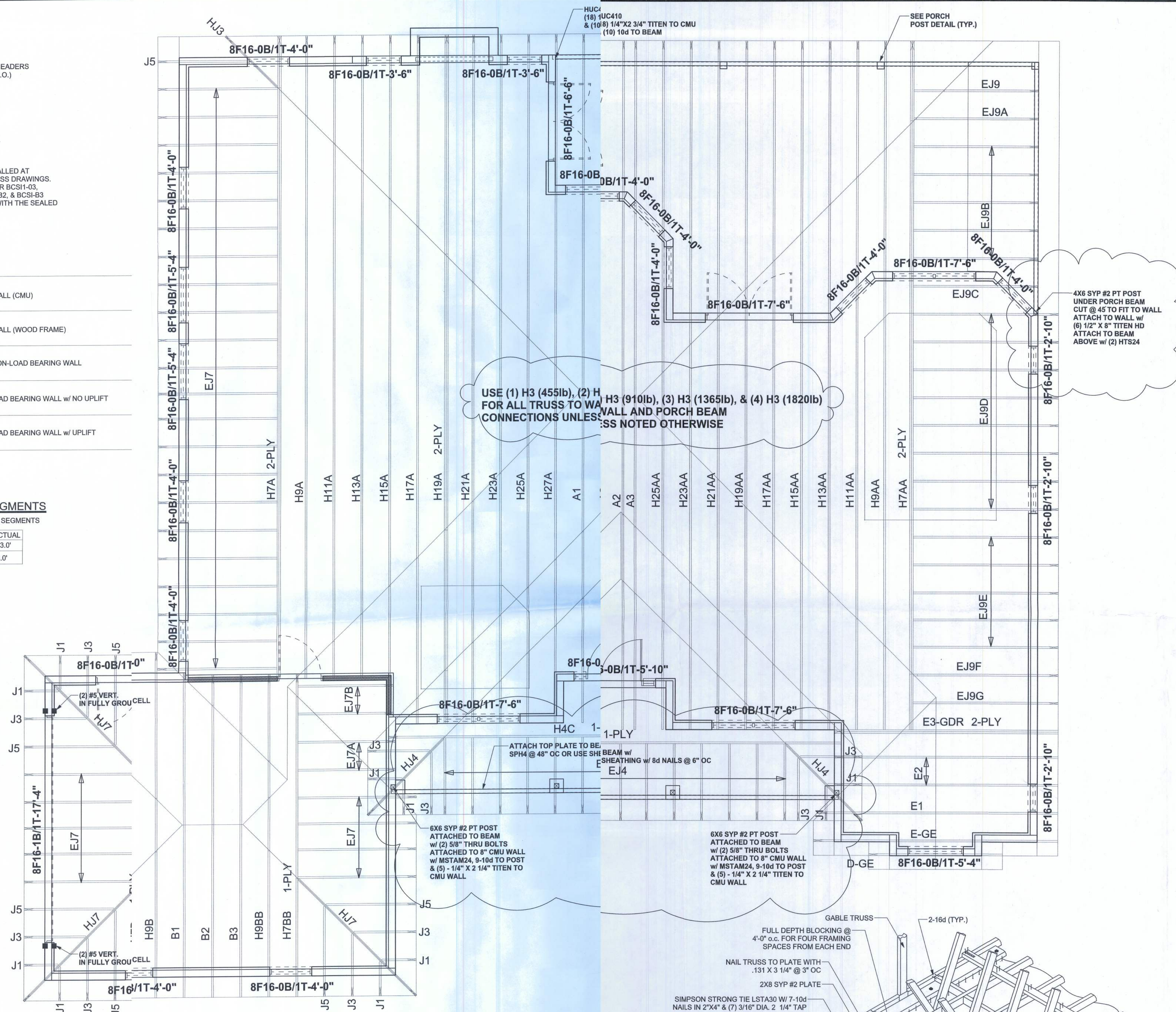
GULIAM BEAMS: GULIAM BEAM, GLB, 24F-V3SP, Fb = 24ksi, E = 1800ksi, UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCULATIONS.

SN-1	ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SYP #2 (U.N.O.)
SN-2	ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) KING 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 BC51-03, BC51-81, BC51-82, & BC51-83. BC51-81, BC51-82, & BC51-83, TO BE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

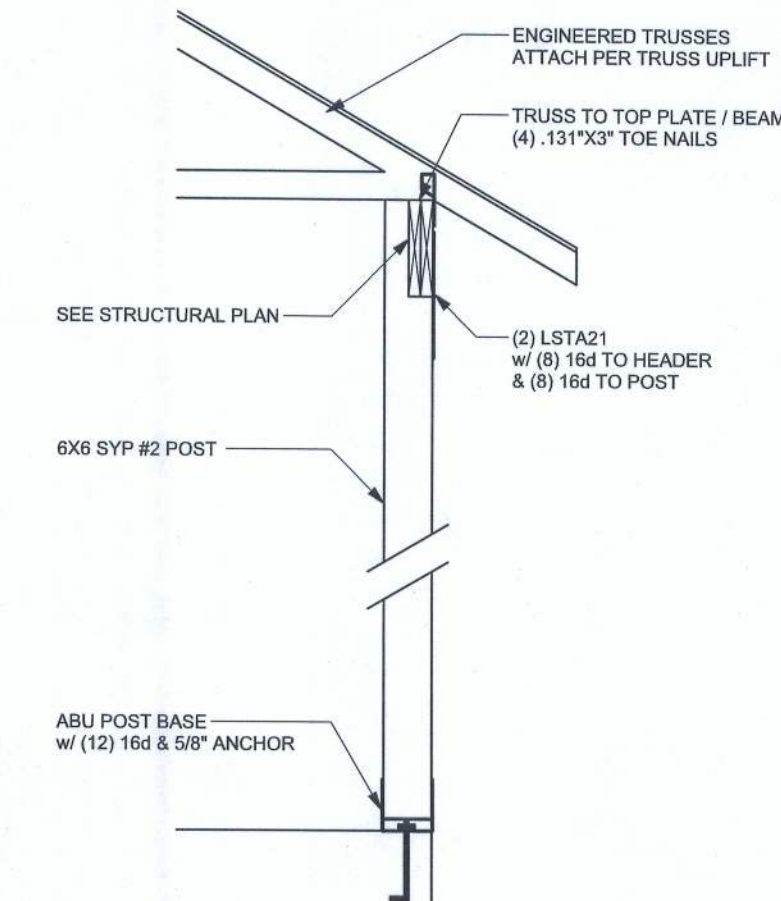
	EXTERIOR WALL (CMU)
	EXTERIOR WALL (WOOD FRAME)
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

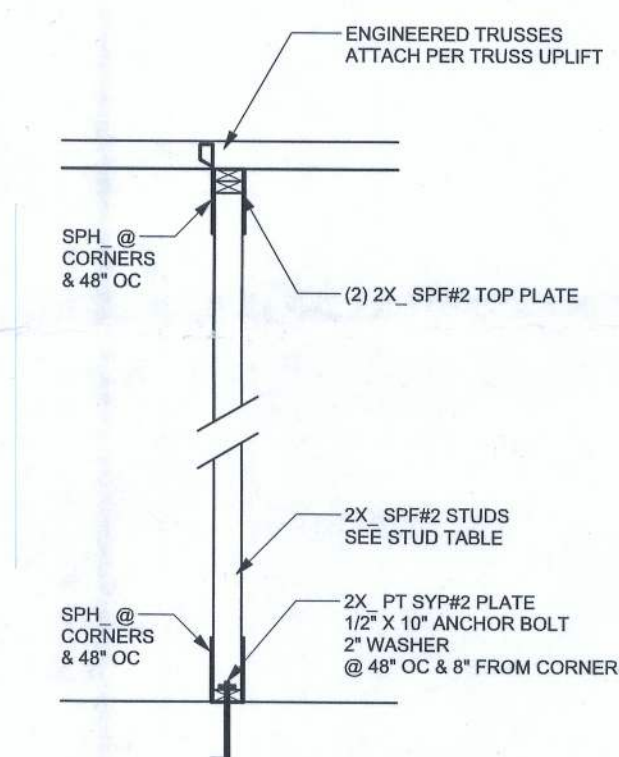
	REQUIRED	ACTUAL
TRANSVERSE	35.4'	123.0'
LONGITUDINAL	31.5'	96.0'



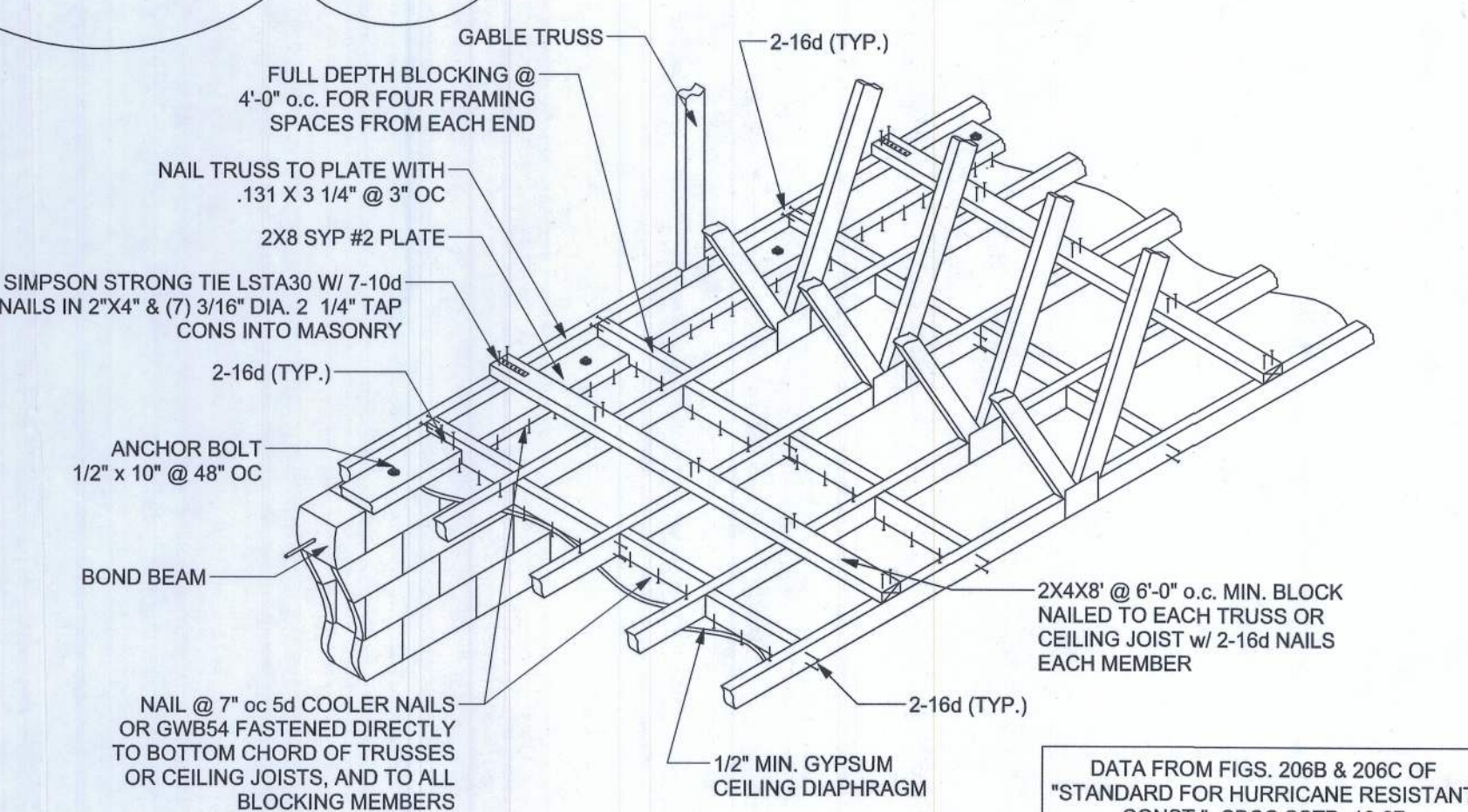
STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"



(TYP.) PORCH POST
ONE STORY WOOD



(TYP.) INTERIOR BEARING WALL
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



W18 - DIRECT TRUSS TO MASONRY CONNECTION
ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: N.T.S. REV-24-Jul-04

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER. BUILDERS FIRST SOURCE
JOB #332754

REVISIONS	
6Dec11	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

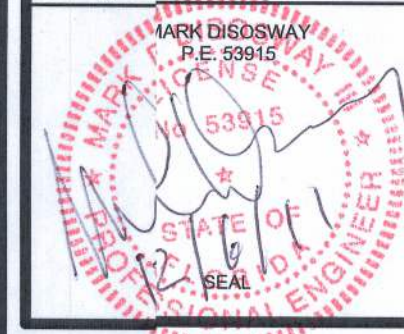
WINDLOAD NGINEER:
Mark Disoswy, PE
No.53915, PiB 868, Lake City, FL 32056,
386-754-541:

DIMENSION:
Stated dimensions supercede scales
dimensions. Refer all questions to
Mark Disoswy, 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, Florida building code residential 207, to the best of my knowledge.

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



Isaac Construction

Tony & Magda
Sinsi Residence

ADDRESS:
Lot 3 Legion Place
Lake City, Florida

Marl Disosway P.E.
F.O. Box 868
Lake City, Florida 3205
Phone (386) 754 - 541
Fax: (386) 269 - 4871

PRINTED DATE:
December 06, 2011

DRAWN BY:	STRUCTURAL E David Disosway
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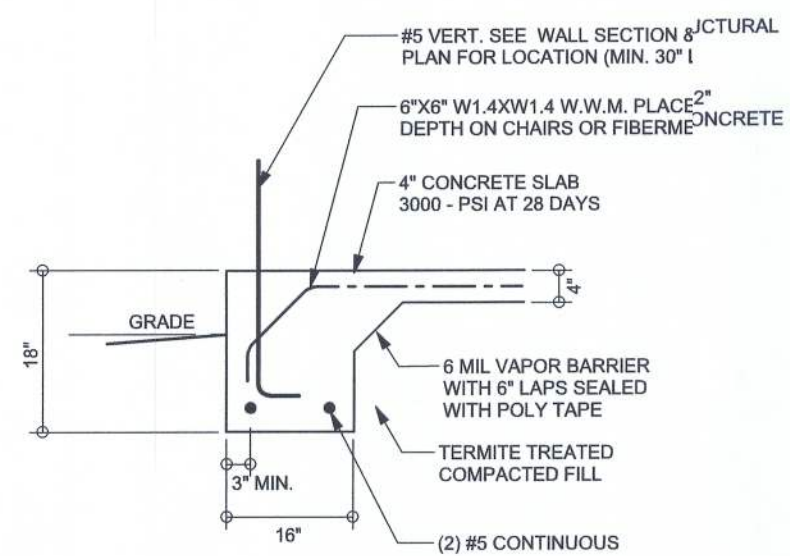
FINALS DATE:
29Jul10

JO3 NUMBER:
906182a

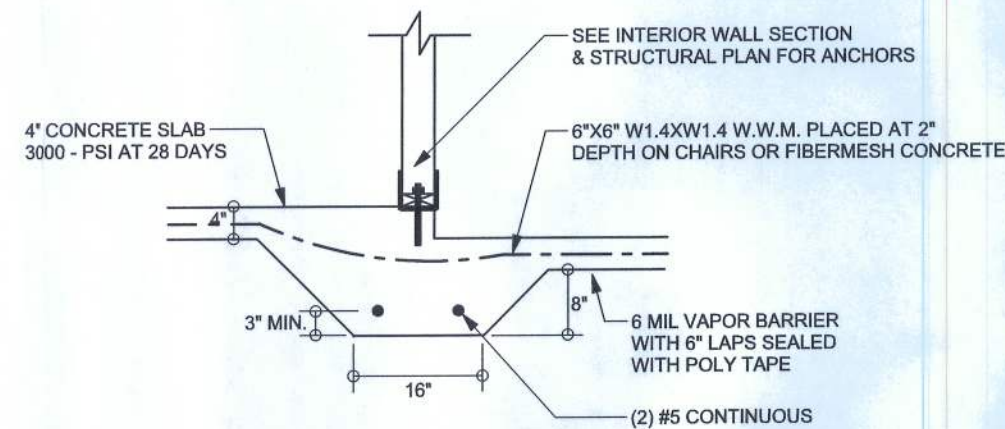
DRAFTING NUMBER

S-3

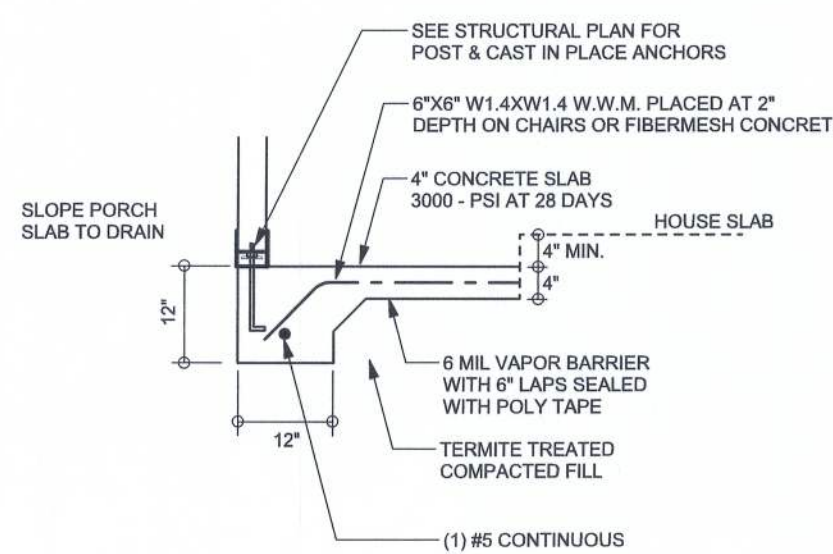
OF 3 SHEETS



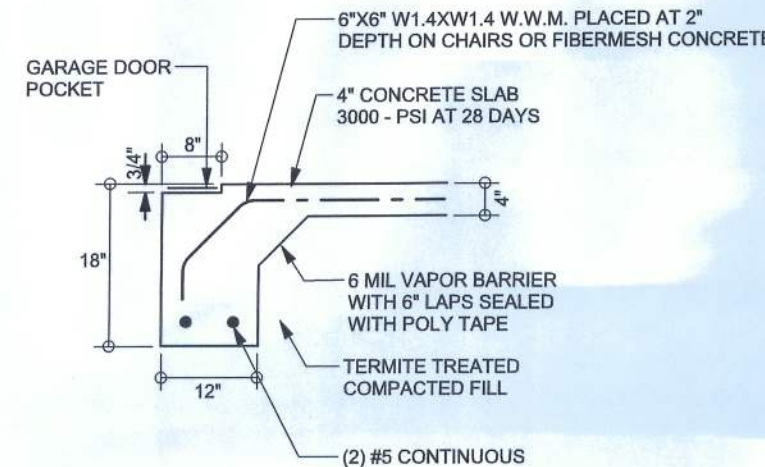
F1 S-2 MONOLITHIC FOOTING
SCALE: 1/2" = 1'-0"



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



F2 S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"

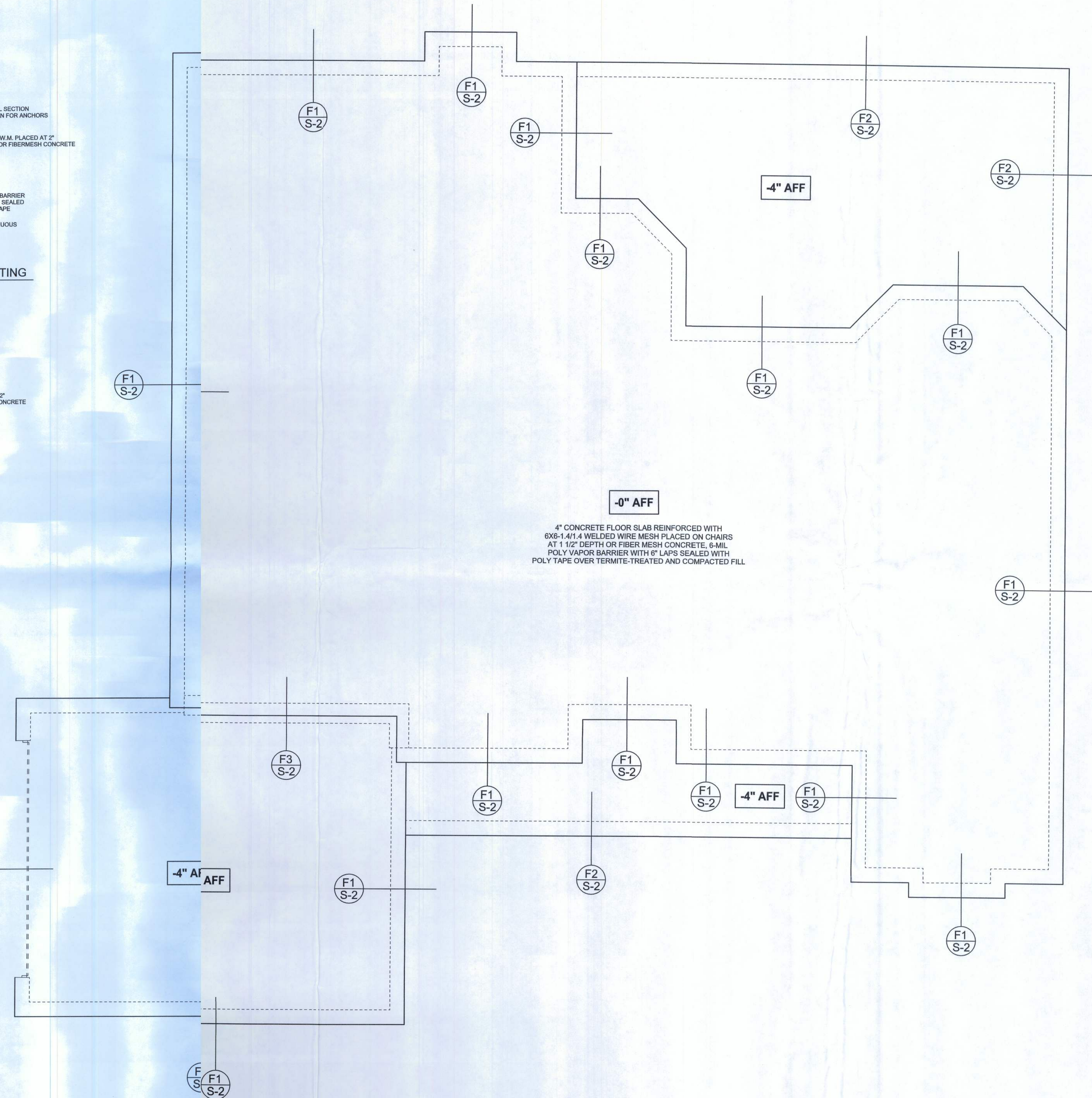


F4 S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"

FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

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



REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

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

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the express written 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 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
2-9-2010
SEAL

Isaac Construction

Tony & Magda
Sinisi Residence

ADDRESS:
Lot 6 Legion Place S/D
Lake City, Florida

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

PRINTED DATE:
July 29, 2010

DRAWN BY: David Disosway

FINALS DATE:
29Jul10

JOB NUMBER:
906182a

DRAWING NUMBER

S-2

OF 3 SHEETS

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 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

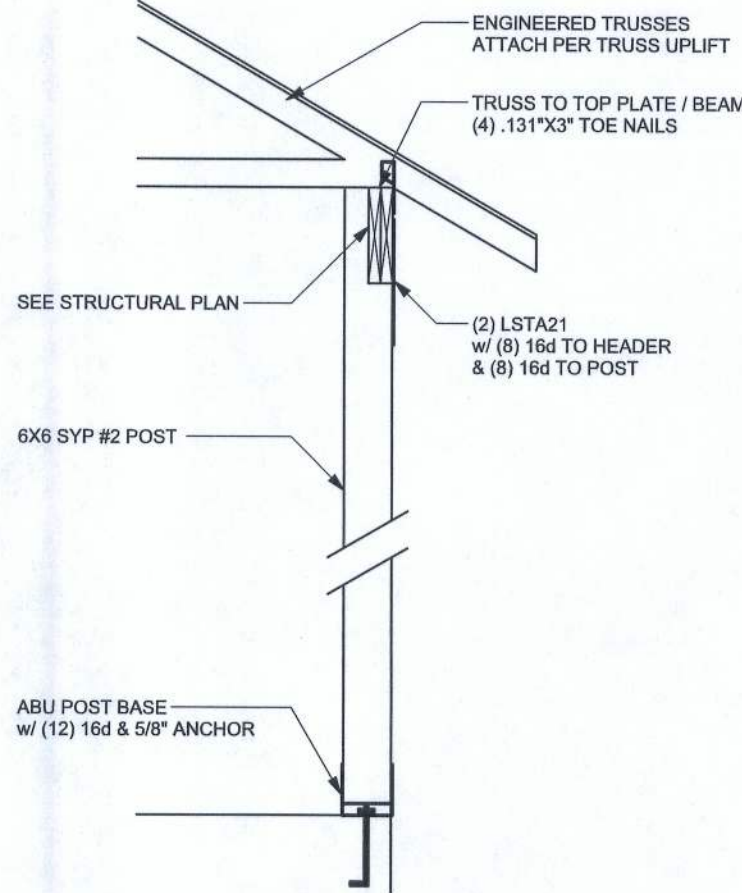
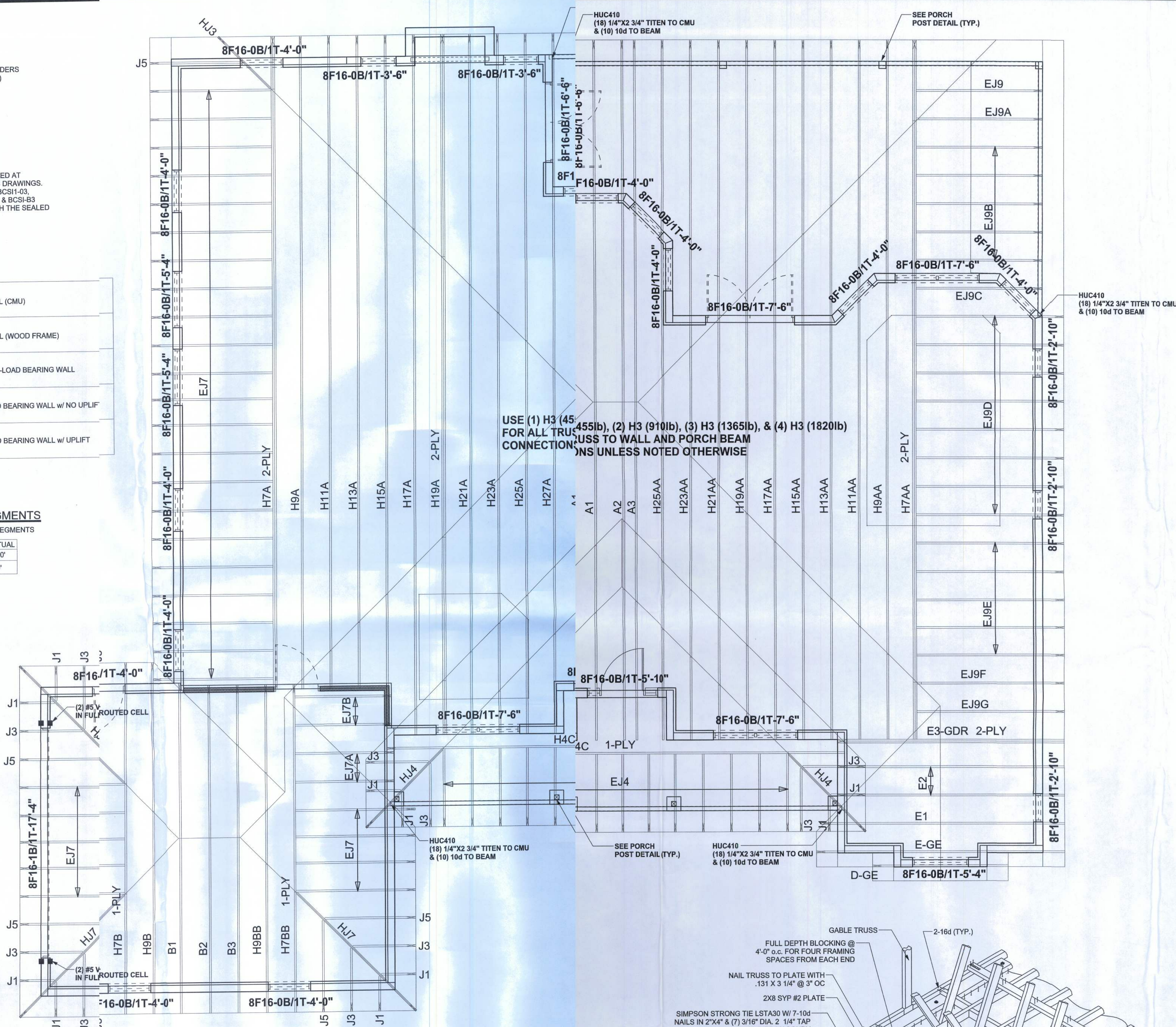
WALL LEGEND

	EXTERIOR WALL (CMU)
	EXTERIOR WALL (WOOD FRAME)
	INTERIOR NON-LOAD BEARING WALL
	INTERIOR LOAD BEARING WALL w/ NO UPLIFT
	INTERIOR LOAD BEARING WALL w/ UPLIFT

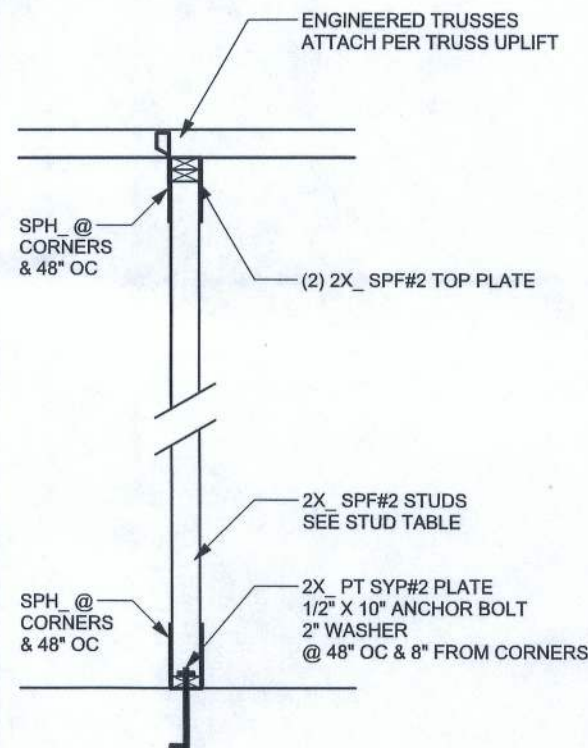
TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

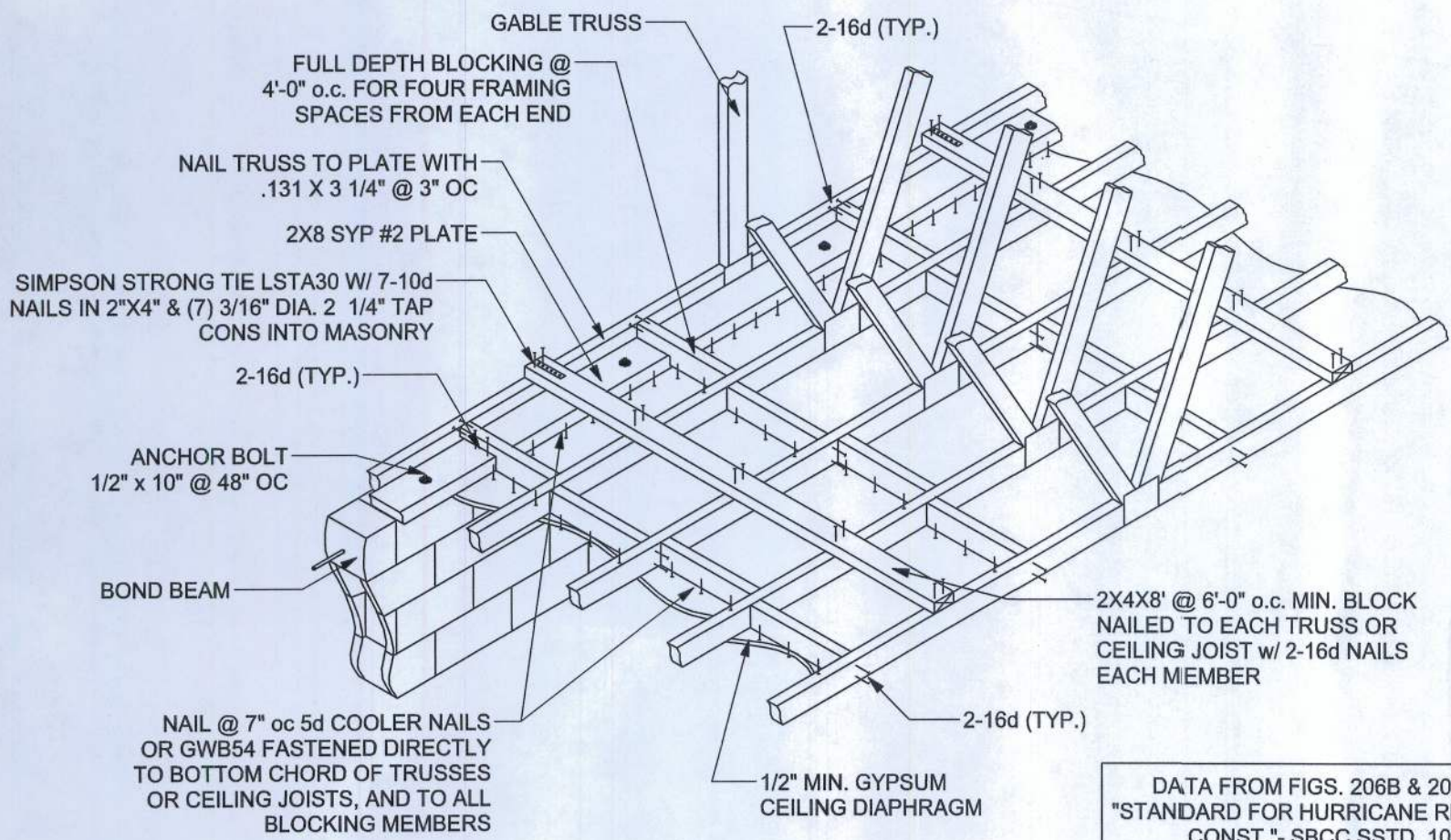
	REQUIRED	ACTUAL
TRANSVERSE	35.4'	123.0'
LONGITUDINAL	31.5'	96.0'



(TYP.) PORCH POST
ONE STORY WOOD



(TYP.) INTERIOR BEARING WALL
ONE STORY WOOD FRAME w/ STRAPS & ANCHORS



W18 - DIRECT TRUSS TO MASONRY CONNECTION

ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: N.T.S. REV-24-JUL-04

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. BUILDERS FIRST SOURCE JOB #332754

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

W18LOAD ENGINEER:
Mark Disoway, P.E.
No. 5915, P.O.B. 868, Lake City, FL 32056,
386-54-5419

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

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reserves its common law copyrights and
proprietary right in these instruments of service.
This document is not to be reproduced, altered
or called 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
engineering comply with section
R302.1, Florida building code
effective 2007,
to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915

Isaac Construction

Tony & Magda
Sinisi Residence

ADDRESS:
Lot 6 Legion Place S/D
Lake City, Florida

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

PRINTED DATE:
July 29, 2010

DRAWN BY: STRUCTURAL BY:
David Disoway

FILES DATE:
2Jul10

JOB NUMBER:
906182a

DRAWING NUMBER
S-3
OF 3 SHEETS



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



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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

REVISIONS
June 19, 2009

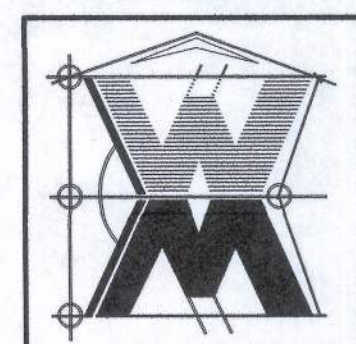
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

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

A CUSTOM RESIDENCE FOR:
TONY & MAGDA SINISI
PROJECT ADDRESS: LOT 6, LEGION PLACE S/D, LAKE CITY, FLORIDA 32024
ISAAC CONSTRUCTION, LLC.
LAKE CITY, FLORIDA, 32025

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DESIGN INC.
P.O. BOX 1513
LAKE CITY, FL 32056
(386) 758-0406
will@willmyers.net

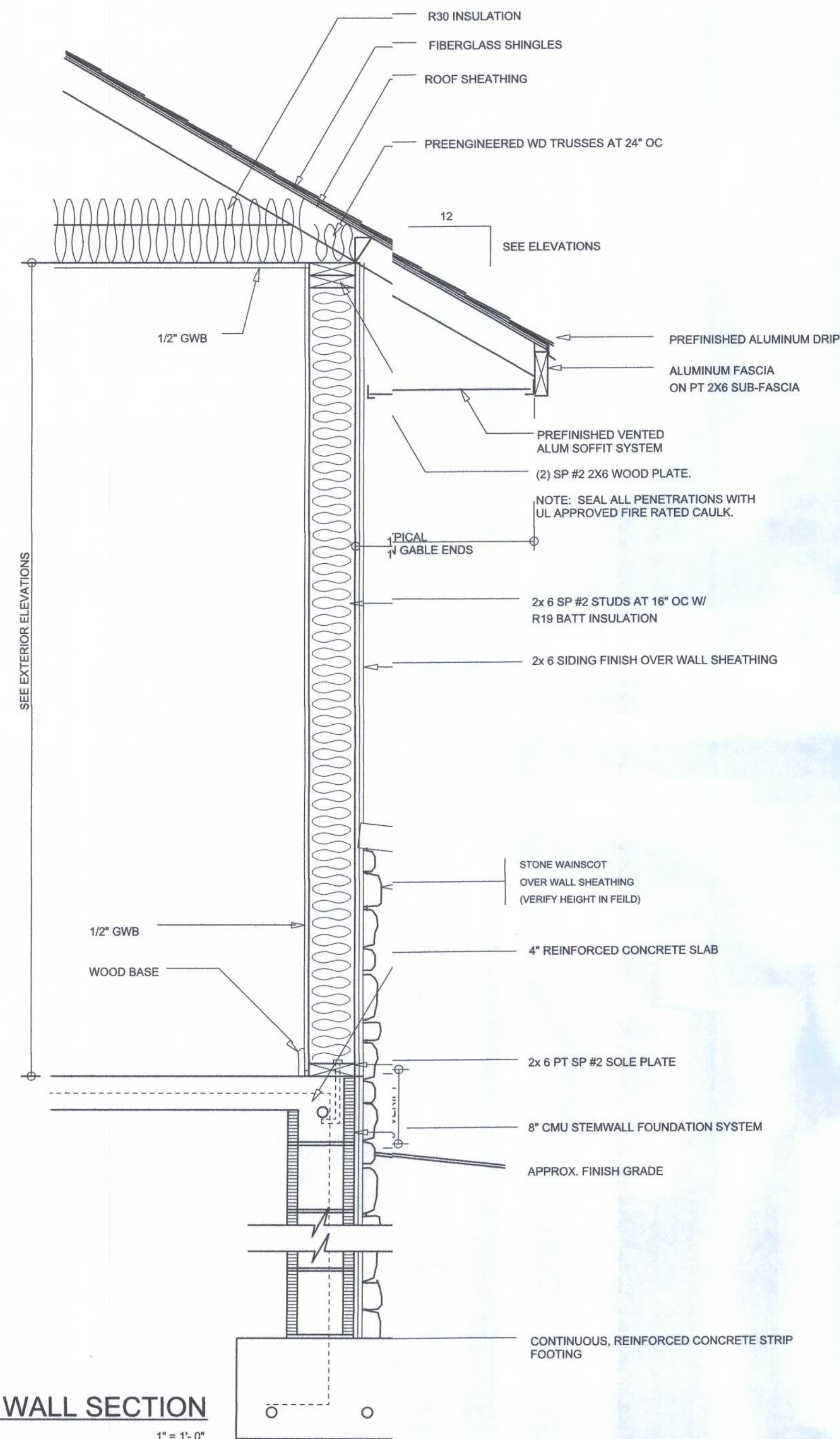


JOB NUMBER
090606

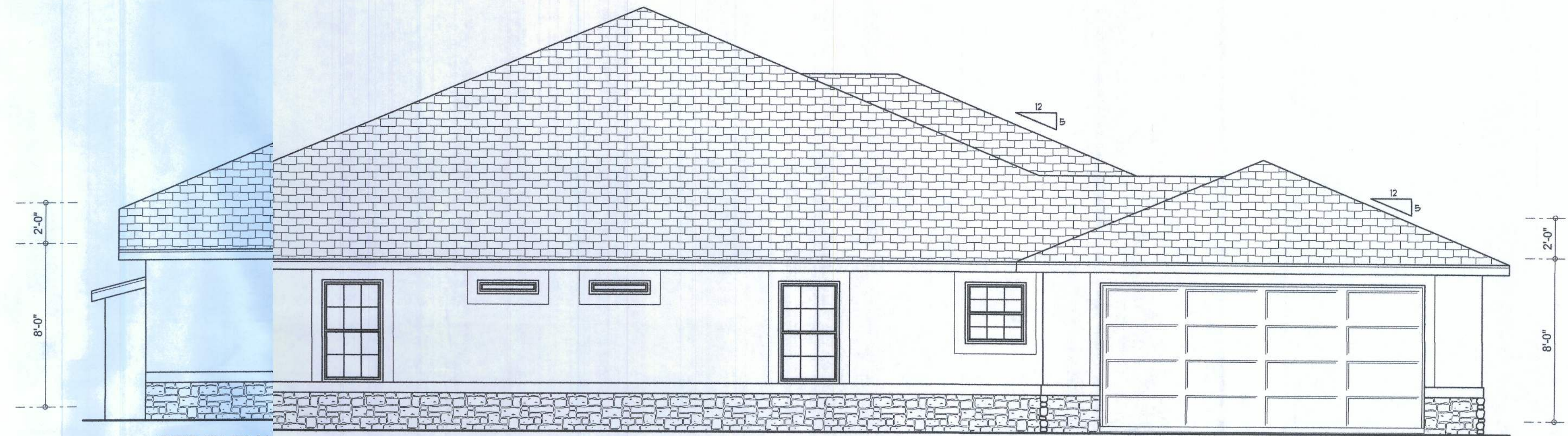
SHEET NUMBER
A.1
OF 4 SHEETS



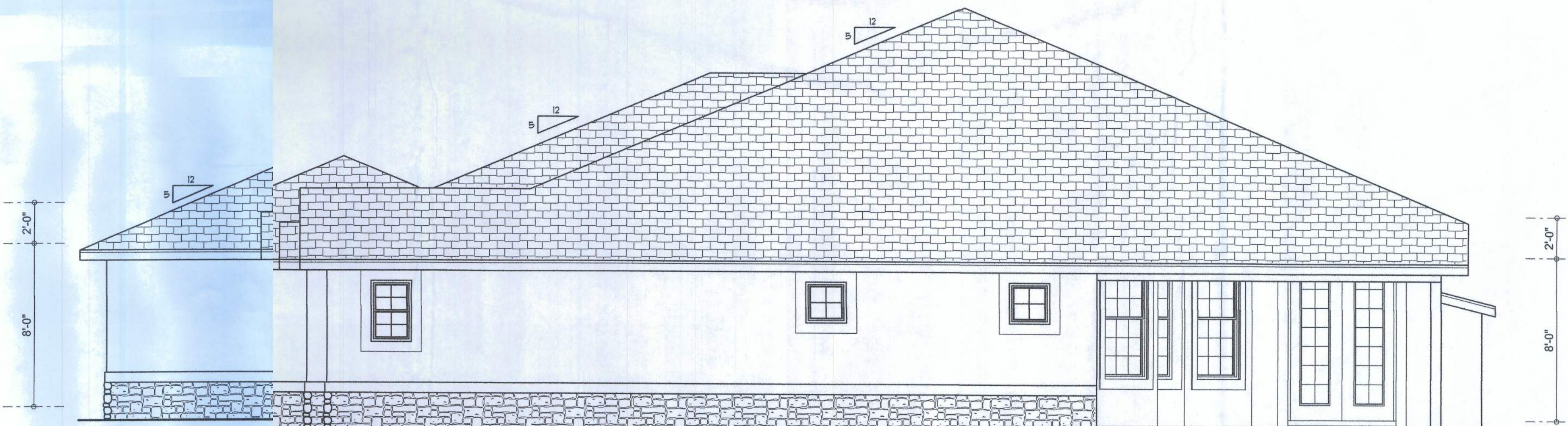
Will C. Myers



TYPICAL WALL SECTION
SCALE: 1" = 1'-0"



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



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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

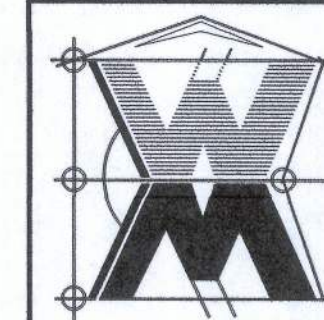
REVISIONS	DATE
June 19, 2009	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

RIGHT & LEFT ELEVATION
SCALE: 1/4" = 1'-0"
TYPICAL WALL SECTION
SCALE: 1/4" = 1'-0"

A CUSTOM RESIDENCE FOR:
TONY & MAGDA SINISI
PROJECT ADDRESS: LOT 6, LEGION PLACE S/D, LAKE CITY, FLORIDA 32024
ISAAC CONSTRUCTION, LLC.
LAKE CITY, FLORIDA, 32025

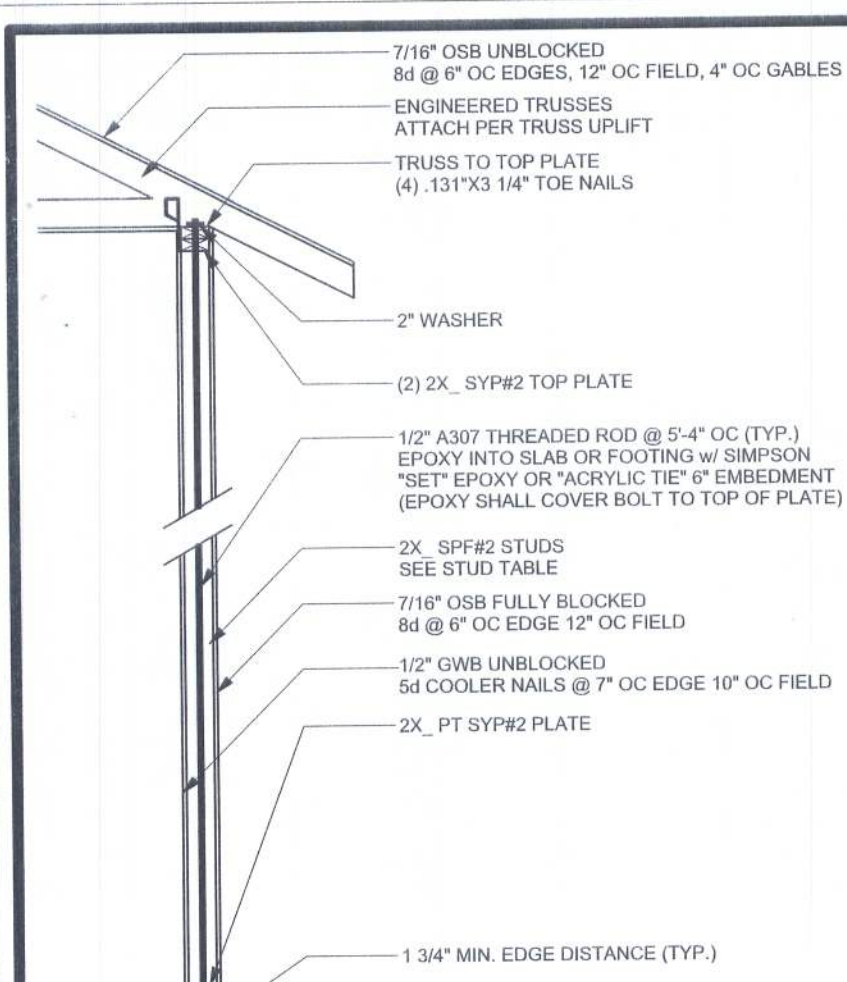
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DESIGN INC.
P.O. BOX 1513
LAKE CITY, FL 32056
(386) 758-8406
will@willmyers.net



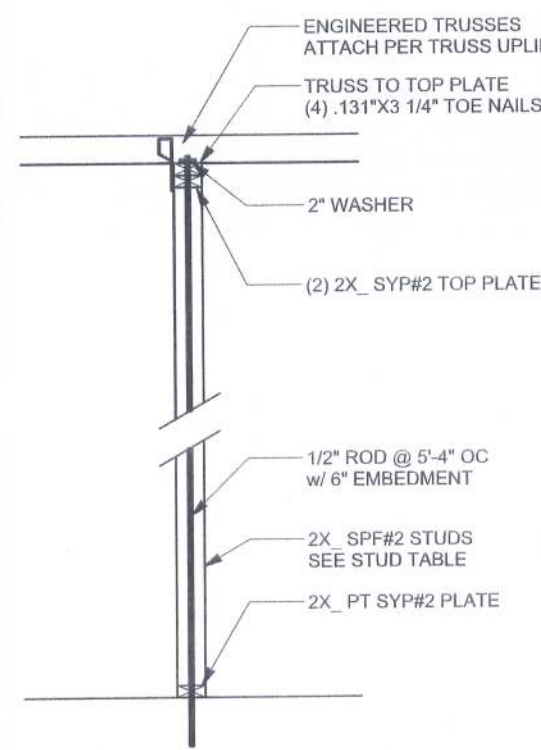
JOB NUMBER
090606

SHEET NUMBER
A.2
OF 4 SHEETS

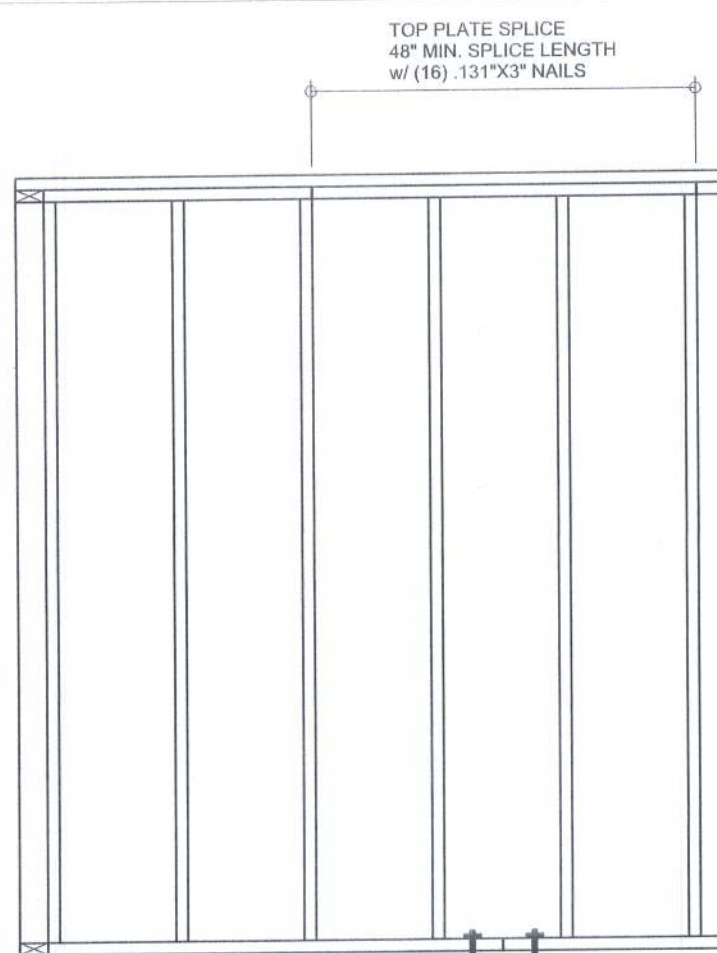
Will C. Myers



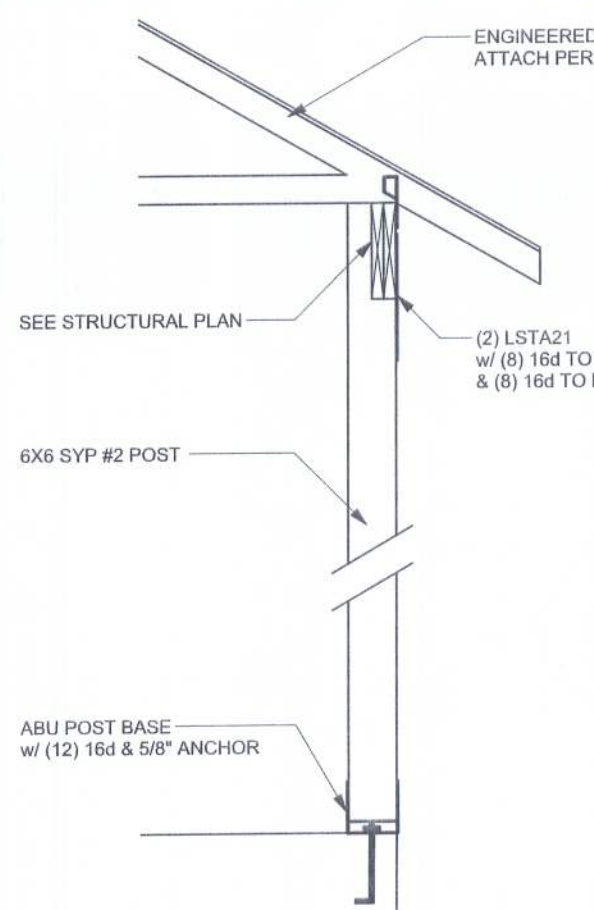
(TYP.) EXTERIOR WALL
ONE STORY WOOD FRAME w/ RODS



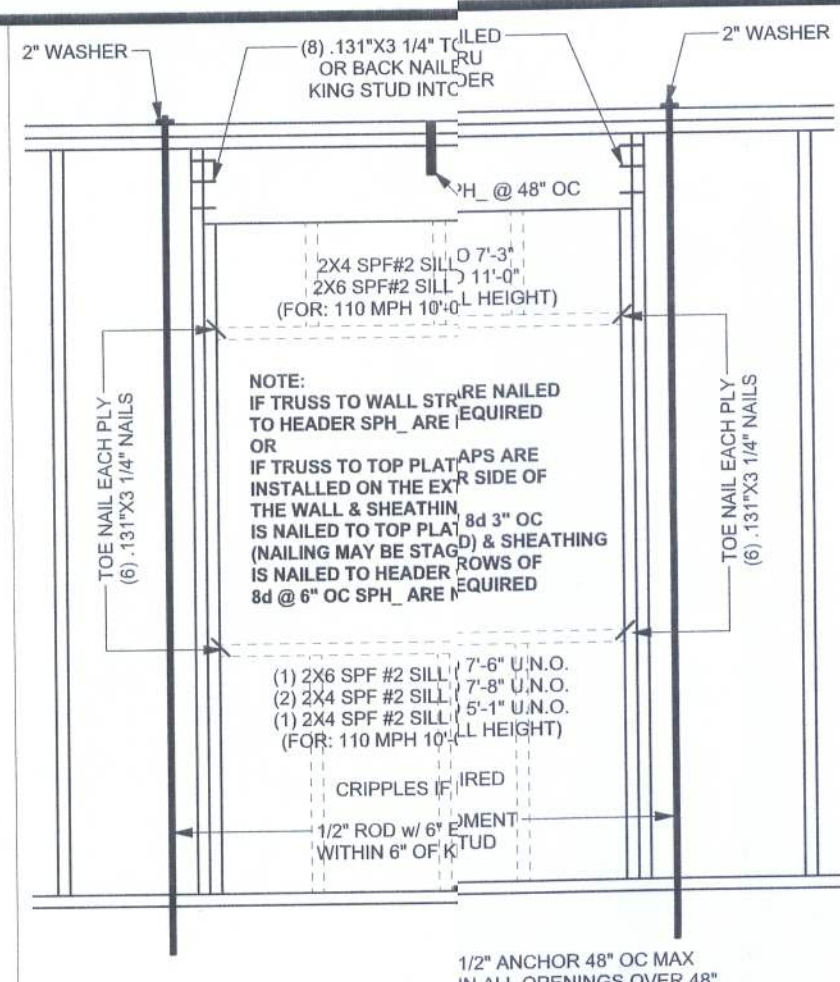
(TYP.) INTERIOR BEARING WALL
ONE STORY WOOD FRAME w/ RODS



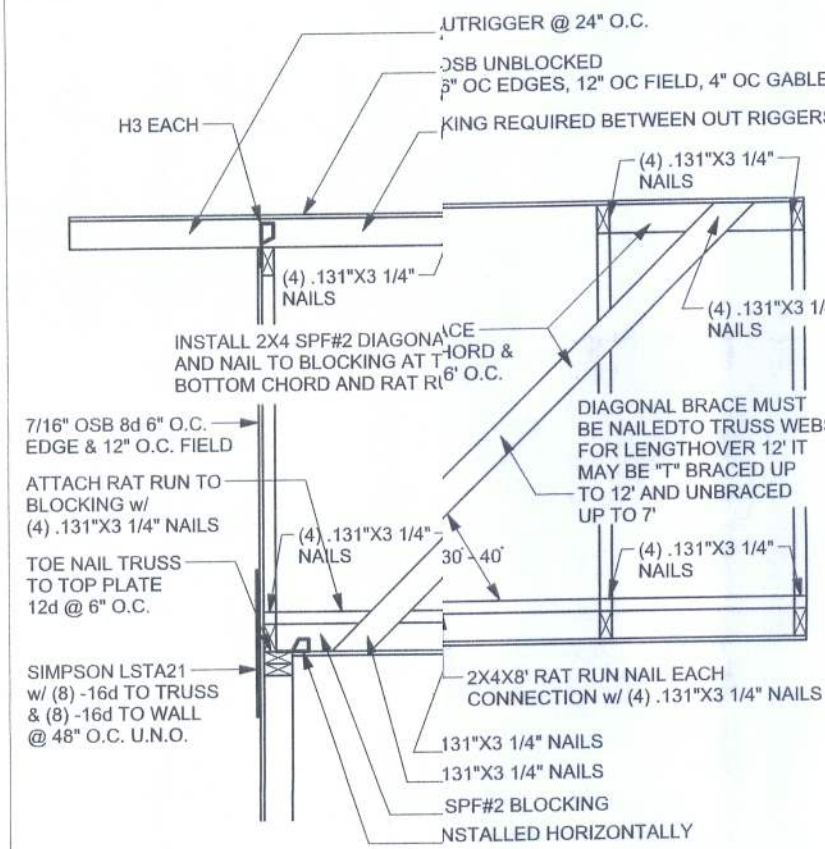
(TYP.) WALL CONNECTIONS
ONE STORY WOOD FRAME



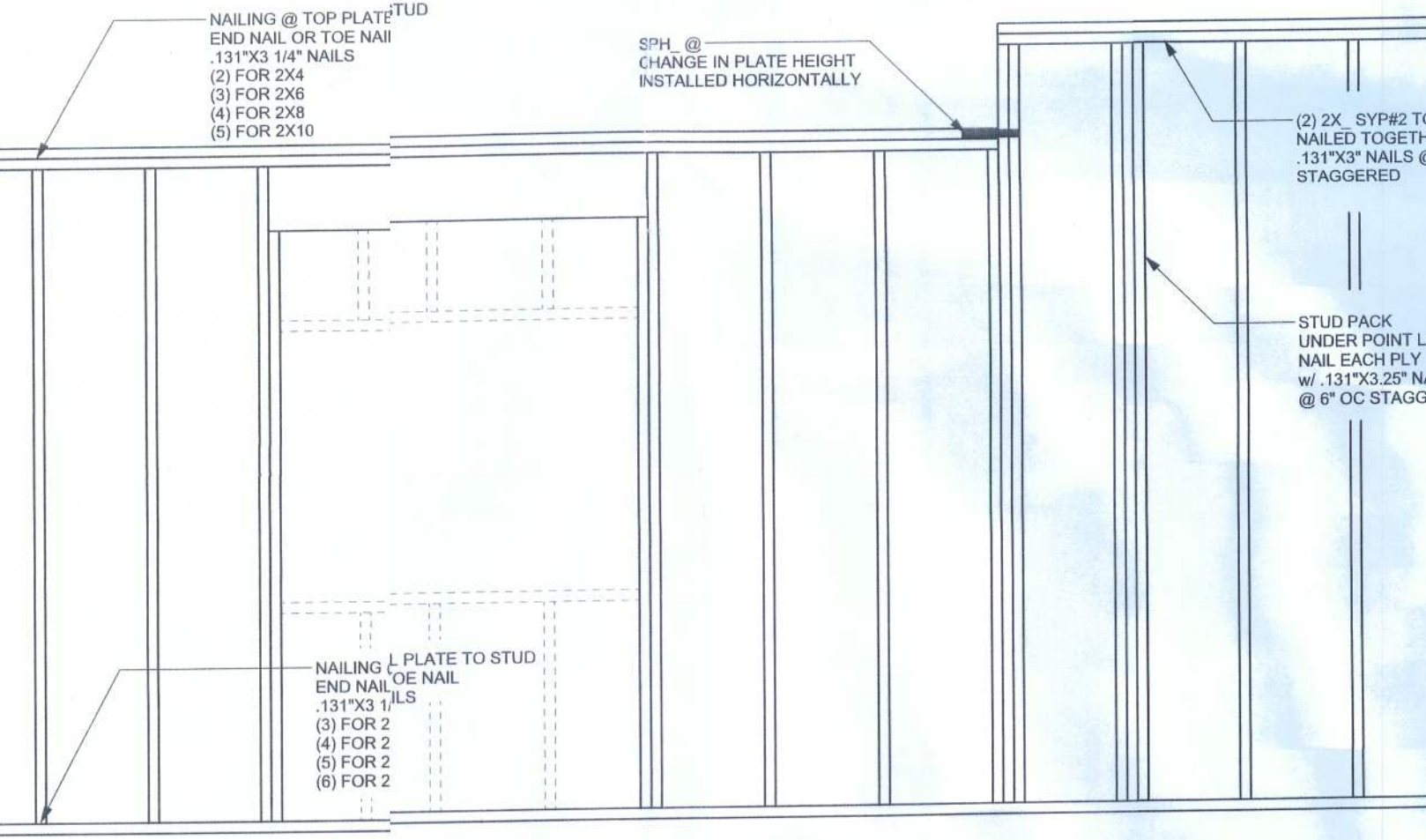
(TYP.) PORCH POST
ONE STORY WOOD



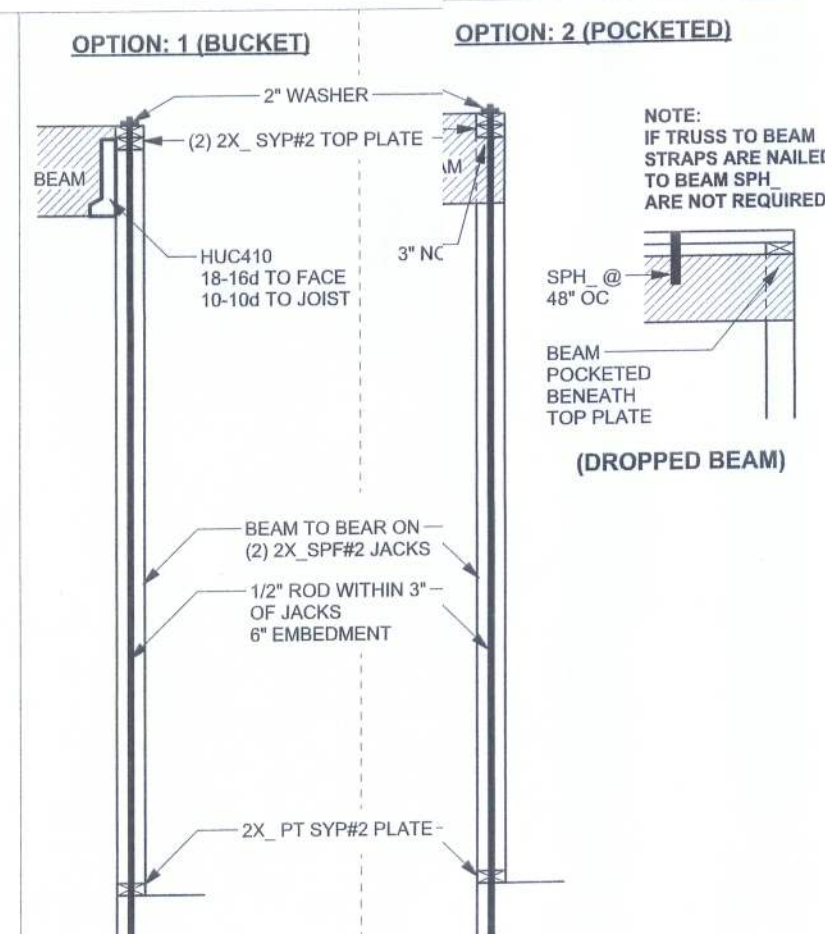
(TYP.) HEADER
ONE STORY WOOD FRAME w/ RODS



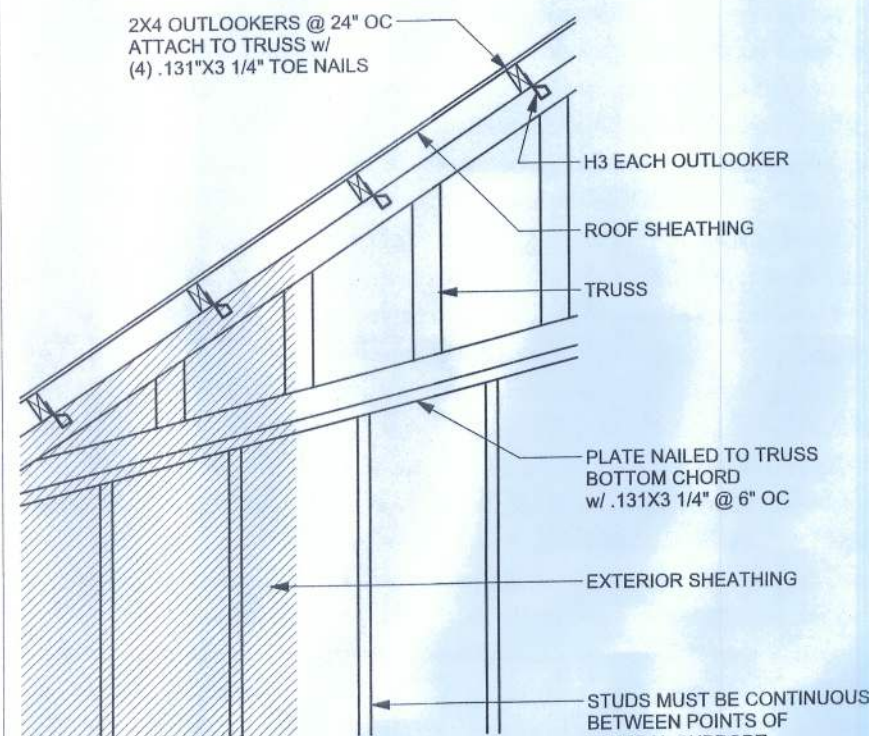
(TYP.) GABLE CEILING DETAIL
WOOD FRAME



(TYP.) GABLE WALL w/ VAULTED CEILING
WOOD FRAME



(TYP.) BEAM TO WALL
WOOD FRAME w/ RODS



(TYP.) GABLE WALL w/ VAULTED CEILING
WOOD FRAME

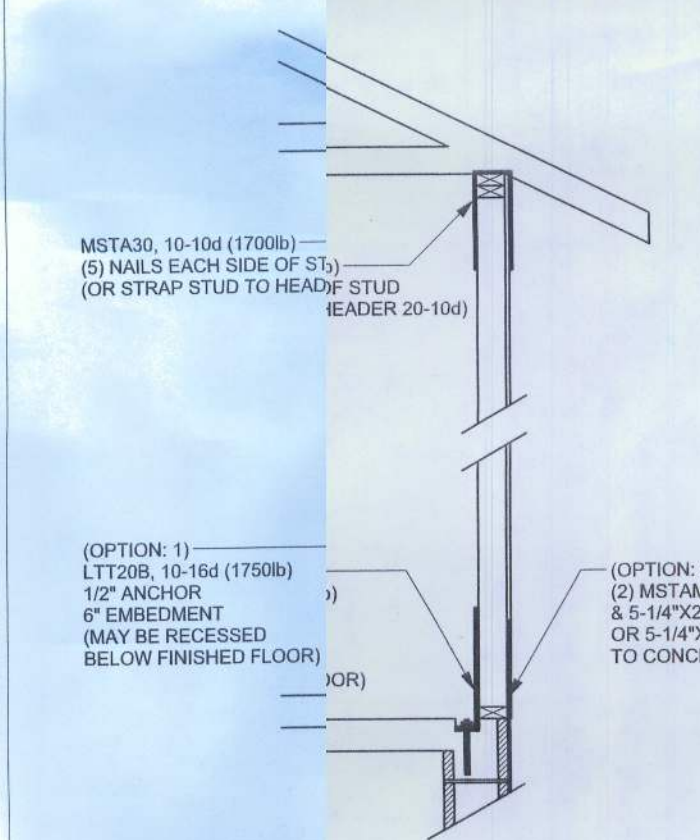
ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM MANUFACTURER'S ENGINEERING DEPT.

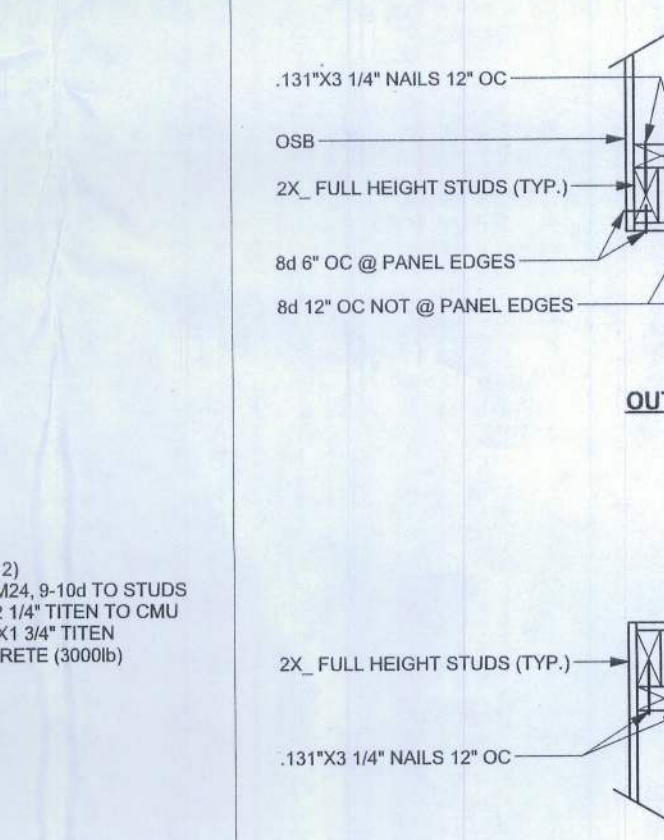
TRUSS CONNECTOR	UPLIFT	UPLIFT SYP	UPLIFT SPF	F1 SYP	F2 SYP	F1 SPF	F2 SPF	TO RAFTER/TRUSS	TO PLATES
H5	4	455	265	115	200	100	170	4-8d x 1 1/2"	4-8d x 1 1/2"
H3	4	455	265	115	200	100	170	4-8d x 1 1/2"	4-8d x 1 1/2"
H2.5	4	415	230	125	160	105	140	4-8d x 1 1/2"	4-8d x 1 1/2"
H2.5A	4	430	240	110	110	110	110	4-8d x 1 1/2"	4-8d x 1 1/2"
H6	8	950	520					8-8d	8-8d
H8	7	745	565					5-10d x 1 1/2"	5-10d x 1 1/2"
H14-1	1	1465	1050	515	265	480	245	12-8d x 1 1/2"	13-8d
H14-2	1	1465	1050	515	265	480	245	12-8d x 1 1/2"	15-8d
H10	1	990	850	585	525	505	450	8-8d x 1 1/2"	8-8d x 1 1/2"
H10-2	7	760	655	455	395	390	340	6-10d	6-10d
H16	1	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
H16-2	1	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
LT512 - LT520	1	1000	620					6-10d x 1 1/2"	6-10d x 1 1/2"
MT512 - MT530	1	1000	860					7-10d x 1 1/2"	7-10d x 1 1/2"
HT516 - HT530	1	1450	1245					12-10d x 1 1/2"	12-10d x 1 1/2"
HEAVY GIRDER TIEDOWNS									TO FOUNDATION
LT27	2	2050	1785	700	170	700	170	14-16d	14-16d
LT27-SDS2.5	3	3885	2655	705	410	795	410	12-SDS 1/4" x 2 1/2"	26-16dS
LT27-SDS3	3	4060	3360	2000	675	2000	675	12-SDS 1/4" x 3"	36-16dS
MDT	1	3965	3330					22-10d	5/8" ANCHOR
HGT-2	1	10980	6485					16-10d	2-5/8" ANCHOR
HGT-3	1	10530	9035					16-10d	2-5/8" ANCHOR
HGT-4	1	9250	9250					16-10d	2-5/8" ANCHOR
STUD STRAP CONNECTOR									TO STUDS
SSP DOUBLE TOP PLATE		435	435					3-10d	4-10d
SSP SINGLE SILL PLATE		455	420					1-10d	4-10d
DSP DOUBLE TOP PLATE		825	825					6-10d	8-10d
DSP SINGLE SILL PLATE		825	600					2-10d	8-10d
SP1		565	535					4-10d	8-10d
SP2		1065	605					6-10d	8-10d
SP4		855	760					6-10d x 1 1/2"	8-10d x 1 1/2"
SP4H		1240	1065					6-10d x 1 1/2"	8-10d x 1 1/2"
SP6		855	760					6-10d x 1 1/2"	8-10d x 1 1/2"
SP8		1240	1065					10-10d x 1 1/2"	14-10d
LSTA18		1235	1110					16-10d	14-10d
LSTA21		1235	1235					16-10d	14-10d
CS20		1030	1030					14-10d	22-10d
CS16		1705	1705						
STUD ANCHORS									TO FOUNDATION
LT116		1350	1365					8-16d	12" ANCHOR
LT131		2310	2310					18-10d x 1 1/2"	5/8" ANCHOR
HD2A		2775	2570					2-5/8" BOLTS	5/8" ANCHOR
HTT16		4175	3685					16-16d	5/8" ANCHOR
HTT22		5260	5250					32-16d	5/8" ANCHOR
ABU44		2200	2200					12-16d	5/8" ANCHOR
ABU66		2300	2300					12-16d	5/8" ANCHOR
ABU88		2320	2320					18-16d	2-5/8" ANCHOR

(1) w/ INSTALLATION OF 4-1/2" ANCHOR BOLTS
(2) FOR SYP GIRDER & SPF 4-16dS OPTIONAL NAIL HOLES

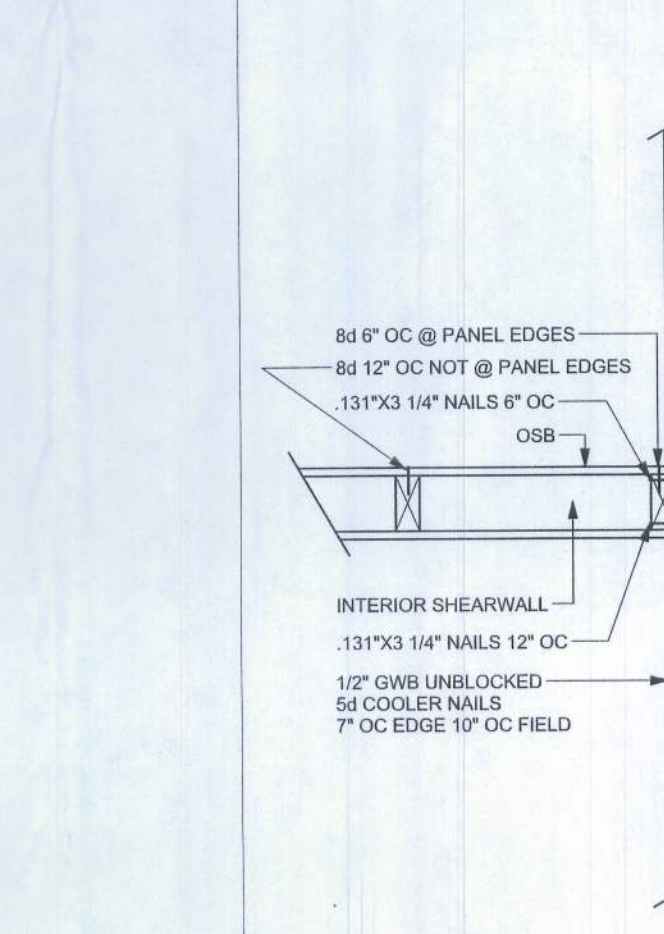
SPF STUDS



ALTERNATE CONNECTION WHERE
ROD CANNOT BE PLACED IN WALL
ONE STORY WOOD FRAME w/ RODS



(TYP.) CORNER FRAMING
WOOD FRAME



(TYP.) INTERSECTING WALL FRAMING
WOOD FRAME

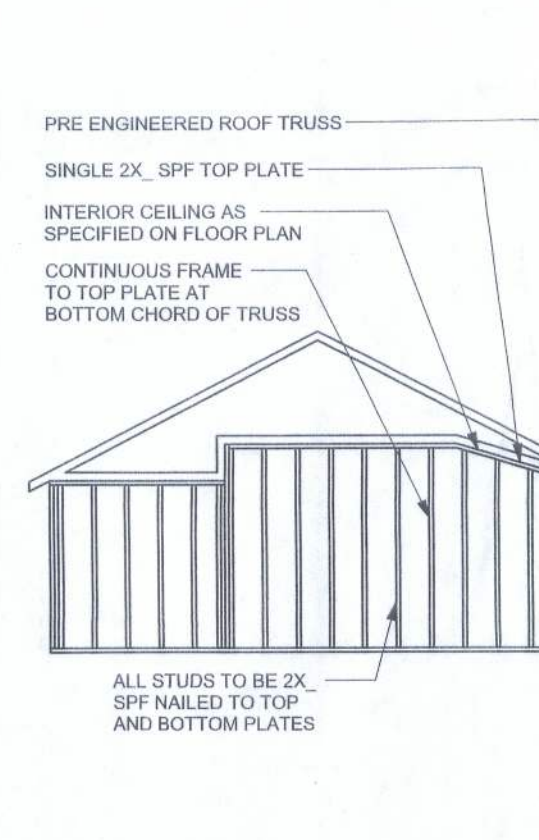
EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 10'-6" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 11'-7" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 16'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 18'-7" STUD HEIGHT

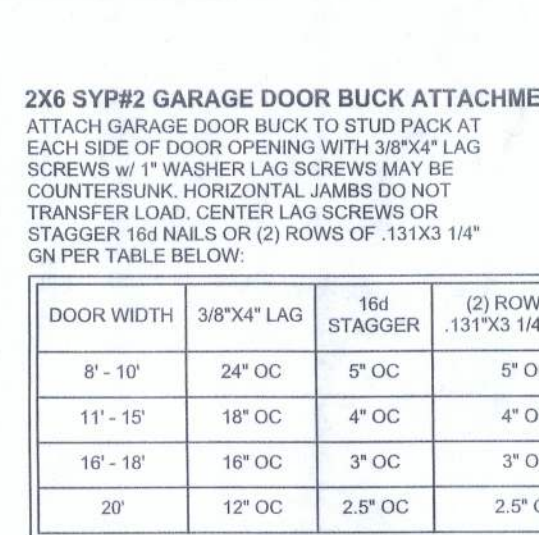
THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.20B. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WINDLOADS 110 MPH EXPOSURE C. STUD SPACINGS SHALL BE MULTIPLIED BY 0.95 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE: 10' OC x 0.95 = 9.5' OC

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



(TYP.) GARAGE DOOR BUCK INSTALLATION
WOOD FRAME

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCE 2007. 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 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 BUILDERS. 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; 2X6 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: 8" x 4" x 4" W14, FB = 60KSI, 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 7'.

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 FOR 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 W/WM 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, F_y = 60 KSI, ALL LAP SPLICES 40" DB (25" FOR REBARS) UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-16, U.O.C.

GLULAM BEAMS: GLB, 24F-V3SP, F_b = 2.4ksi, E = 1800ksi, UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCULATIONS.

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 (13d, 17d) PANEL EDGES, 12dC 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 10" 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 2" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 9/64". UNO.

NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBCE TEST RESULTS AS HAVING ADEQUATE STRUCTURAL VALUES.

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 FBCE 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

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

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

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REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	06/23/2009

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Disoway, P.E.
No. 53915, P.O. Box 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, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915
22 June 2009
SEAL

Isaac Construction
Tony & Magda
Simisi Residence

ADDRESS:
Lot 6 Legion Place S/D
Lake City, Florida

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

PRINTED DATE:
June 23, 2009

DRAWN BY:
David Disoway

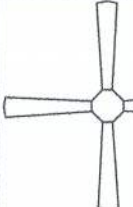
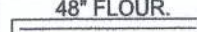
STRUCTURAL BY:
David Disoway

FINALS DATE:
22Jun09

JOB NUMBER:
906182

DRAWING NUMBER
S-1

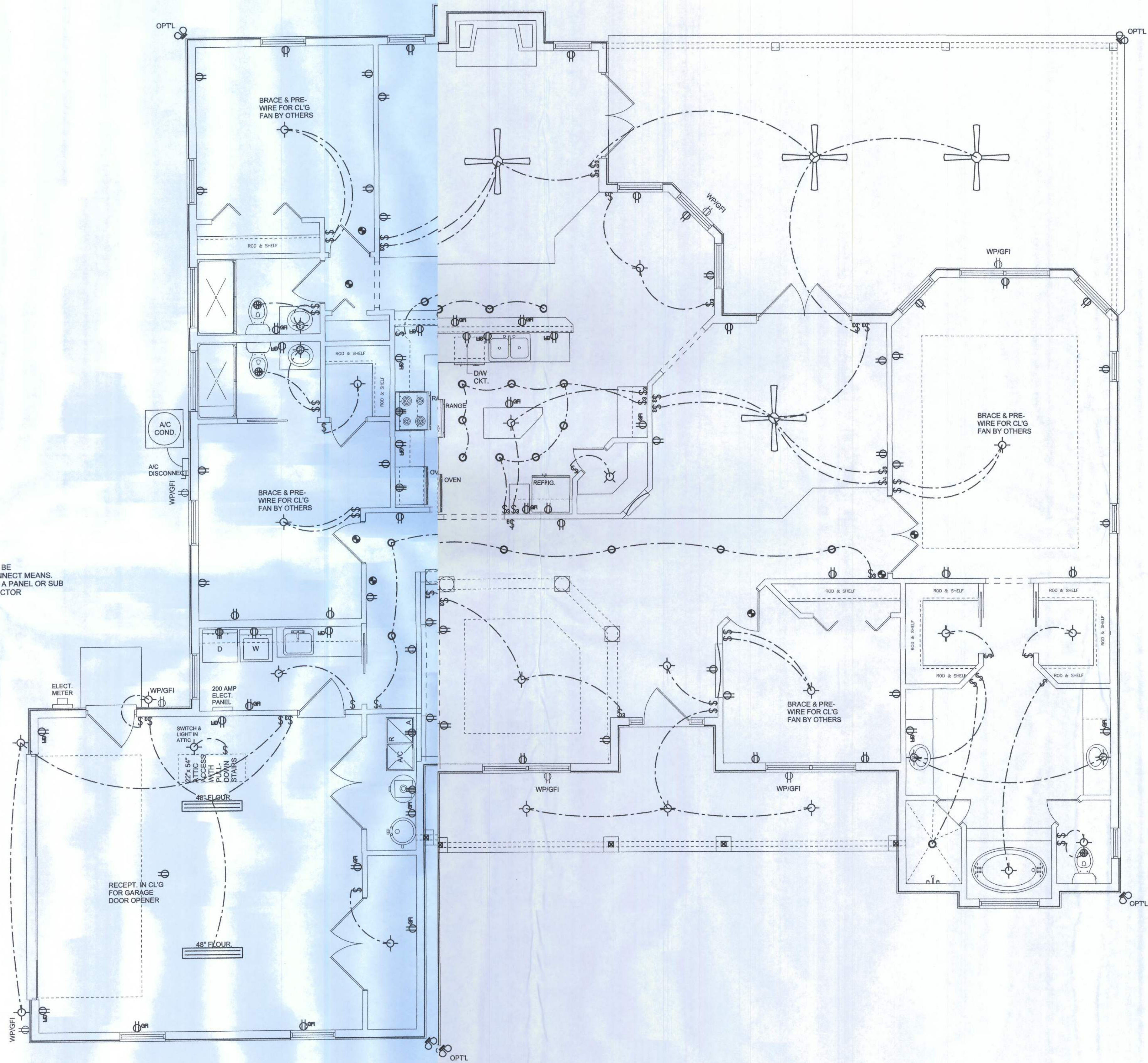
OF 3 SHEETS

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE DETECTOR (see notew)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	

NOTE:
ALL BEDROOM RECEPTACLES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS SHALL HAVE BATTERY KUP POWER
AND ALL WIRED TOGETHER SO IF ANY ONE UNACTUATED THEY
ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE
INSTALLED ON THE EXTERIOR OF STRUCTURE SERVE AS A DISCONNECT MEANS.
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS WHICH ONE CONDUCTOR
SHALL BE USED AS AN EQUIPMENT GROUND.



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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

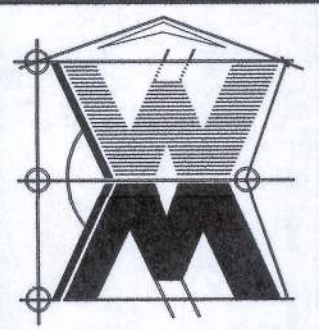
REVISIONS
June 19, 2009

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
TONY & MAGDA SINISI
PROJECT ADDRESS: LOT 6, LEGION PLACE SD, LAKE CITY, FLORIDA 32024
ISAAC CONSTRUCTION, LLC.
LAKE CITY, FLORIDA, 32025

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DESIGN INC.
P.O. BOX 1513
LAKE CITY, FL 32056
(386) 758-8406
will@willmyers.net



JOB NUMBER
090606

SHEET NUMBER
A.4
OF 4 SHEETS

Wm Myers

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & 1/4" CH HEADERS SHALL BE A MINIMUM OF (2) 2X12 S (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 SHEET 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 SE/ TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSI-03, BCSI-B1, BCSI-B2, & BCSI-B3. BCSI-B3 ARE FURNISHED BY THE TRUSS SUPPLIER WITH THE SEALED TRUSS PACKAGE

THREADED ROD LEGEND

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

HEADER LEGEND

- (2) 2X12X0' 1/4" 1K - HEADER/BEAM CUT (U.N.O.)
- NUMBER OF KING STUD (FULL LENGTH)
- NUMBER OF JACK STUD (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

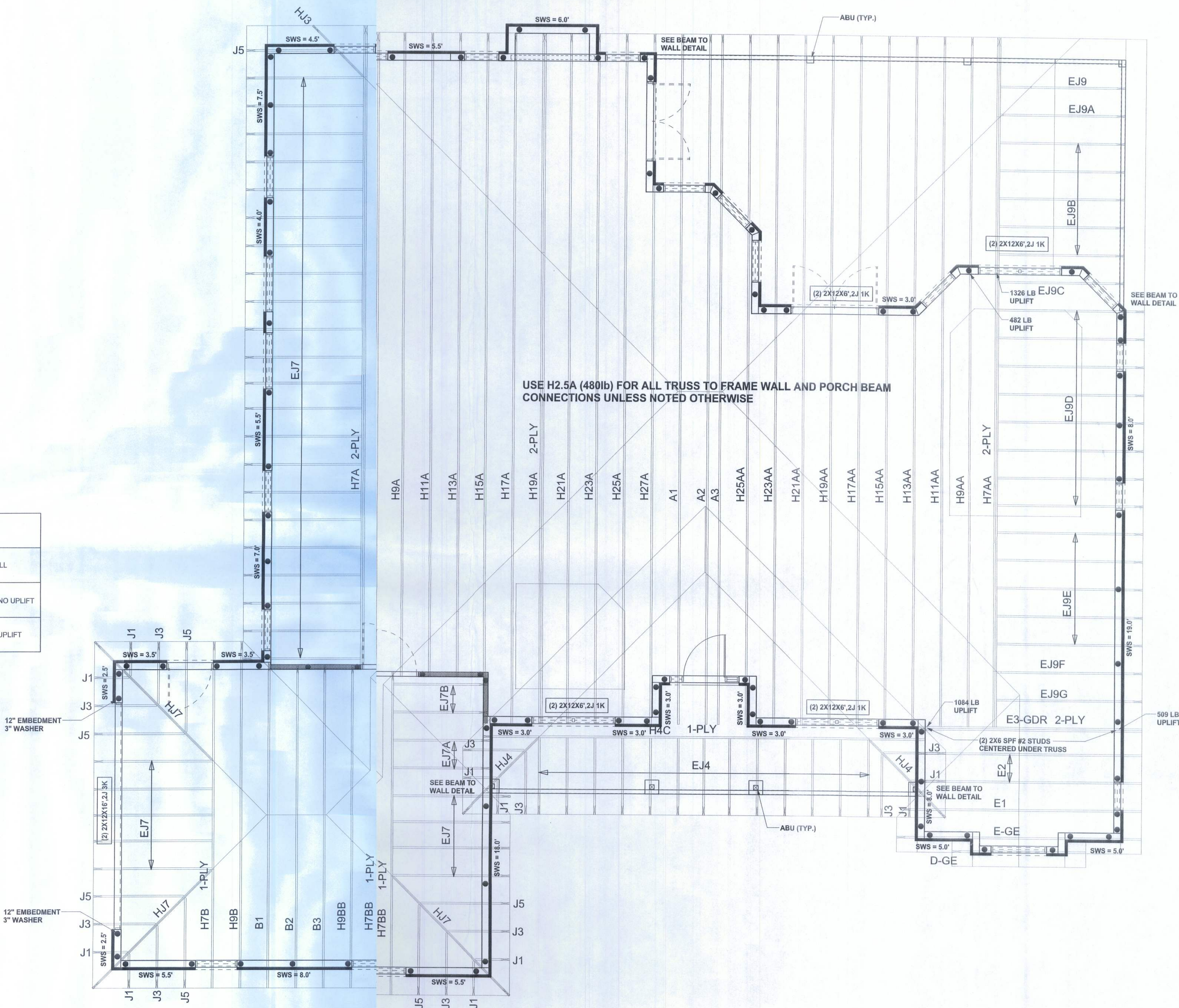
WALL LEGEND

EXTER WALL	
INTER NON-LOAD BEARING WALL	
INTER LOAD BEARING WALL w/ NO UPLIFT	
INTER LOAD BEARING WALL w/ UPLIFT	

TOTAL SHEAR WALL SEGMENT

INDICATES SHEAR WALL SEGMENT

	REQUIRED	ACTUAL
TRANSVERSE	39.3'	88.0'
LONGITUDINAL	33.6'	67.0'



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

REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Disoway, P.E.
No. 9915, P.O.B. 868, Lake City, FL 32056,
386-754-5419

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

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of Mark Disoway.

CERTIFICATION: I hereby certify that I have
examined this plan, and that the applicable
portion of the plan, relating to
engineering comply with section
R30.2.1, Florida building code
repealed 2007,
to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915
22 JUN 09
SEAL

Isaac Construction

Tony & Magda
Sinisi Residence

ADDRESS:
Lot 6 Legion Place S/D
Lake City, Florida

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

PRINTED DATE:
June 23, 2009

DRAWN BY:
David Disoway

STRUCTURAL BY:
David Disoway

FINALS DATE:
22 Jun 09

JOB NUMBER:
906182

DRAWING NUMBER
S-3

OF 3 SHEETS

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER, ANDERSON TRUSS CO.
JOB # 9-121

FBC 2007: R613.2 WINDOW SILLS

IN DWELLING UNITS, WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72" ABOVE THE FINISH GRADE OR SURFACE BELOW, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24" ABOVE THE FINISH FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. GLAZING BETWEEN THE FLOOR AND 24" SHALL BE FIXED OR HAVE OPENINGS SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH.

EXCEPTIONS:

- WINDOW WHOSE OPENINGS WILL NOT ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH THE OPENING WHEN THE OPENING IS IN ITS LARGEST OPENED POSITION.
- OPENINGS THAT ARE PROVIDED WITH WINDOW GUARDS THAT COMPLY WITH ASTM F2006 OR F2090.

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

Garage fire separations shall comply with the following:

- The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath 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 doors. Steel doors not less than 13/8 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.

- 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 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.
- 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.
- When installing an attic access and/or pull-down stair unit in the garage, device shall have a minimum 20 min. fire rating.

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

AREA SUMMARY

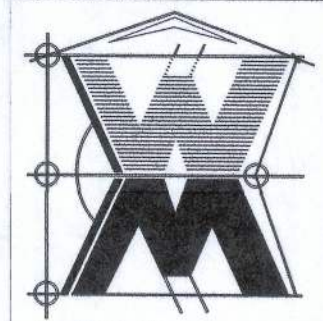
LIVING AREA	2458	S.F.
GARAGE AREA	558	S.F.
ENTRY PORCH AREA	175	S.F.
COVERED PORCH AREA	512	S.F.
TOTAL AREA	3703	S.F.

REVISIONS	June 19, 2009
SOFTPLAN	ARCHITECTURAL DESIGN SOFTWARE

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

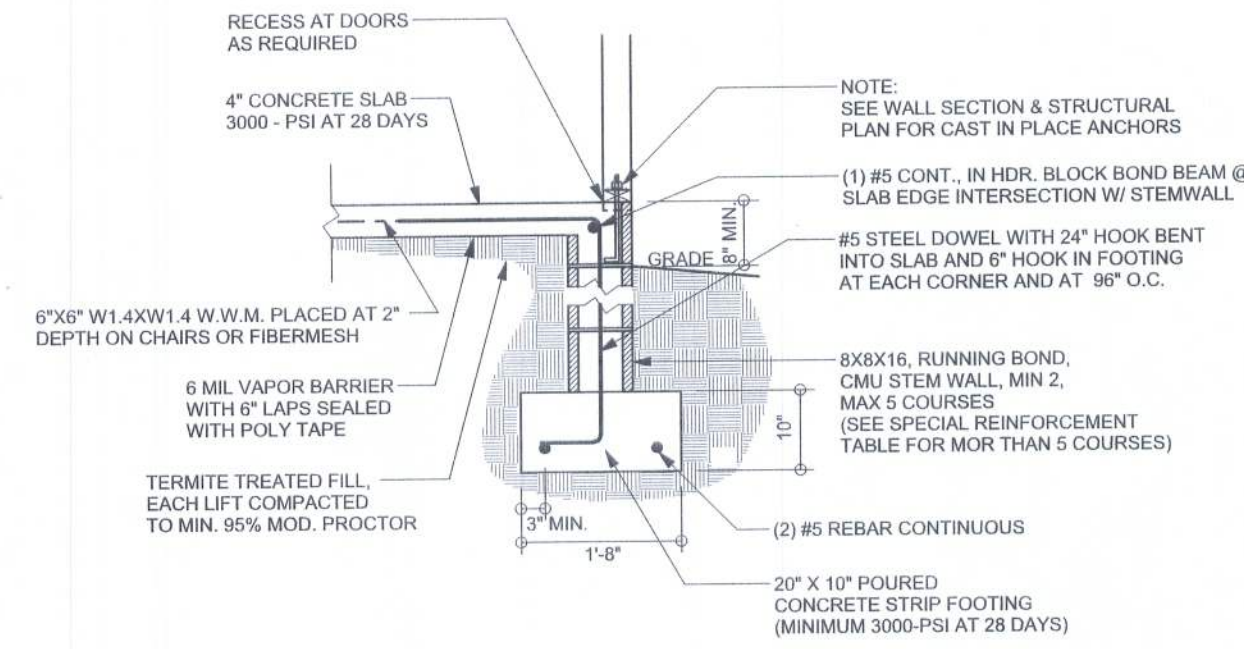
A CUSTOM RESIDENCE FOR:
TONY & MAGDA SINISI
PROJECT ADDRESS: LOT 6, LEGION PLACE S/D, LAKE CITY, FLORIDA 32024
ISAAC CONSTRUCTION, LLC.
LAKE CITY, FLORIDA, 32025

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DESIGN INC.
P.O. BOX 1513
LAKE CITY, FL 32056
(386) 758-8406
will@willmyers.net

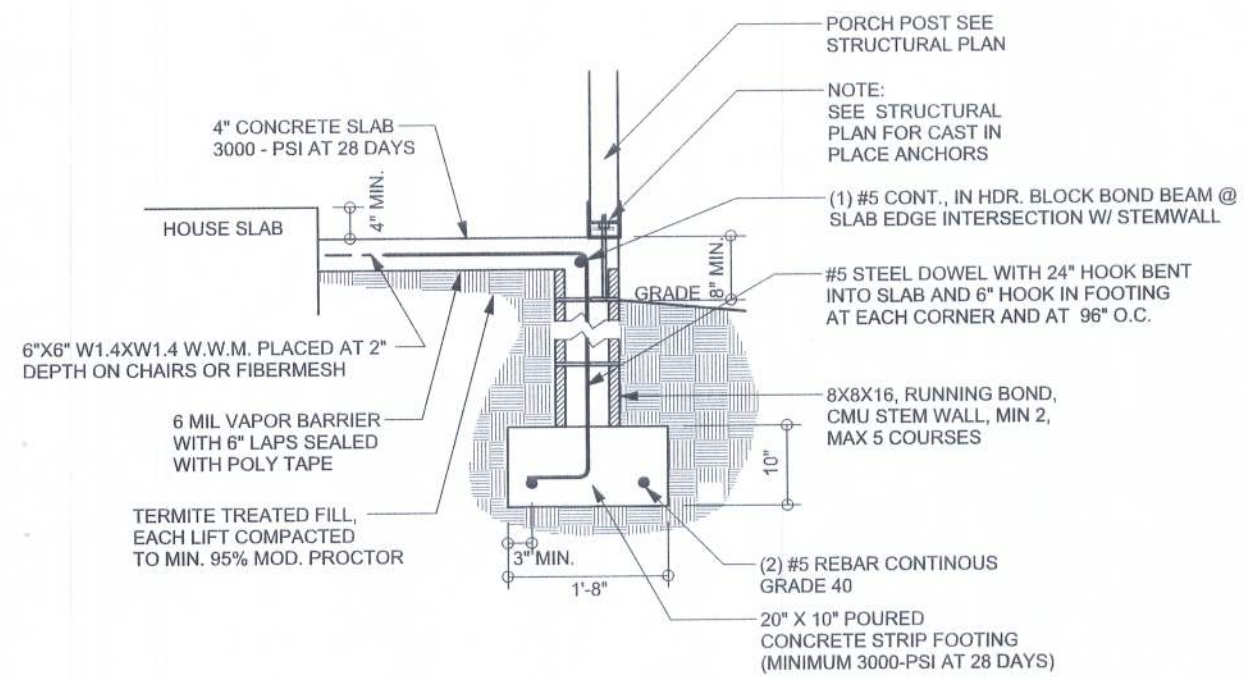


JOB NUMBER
090606

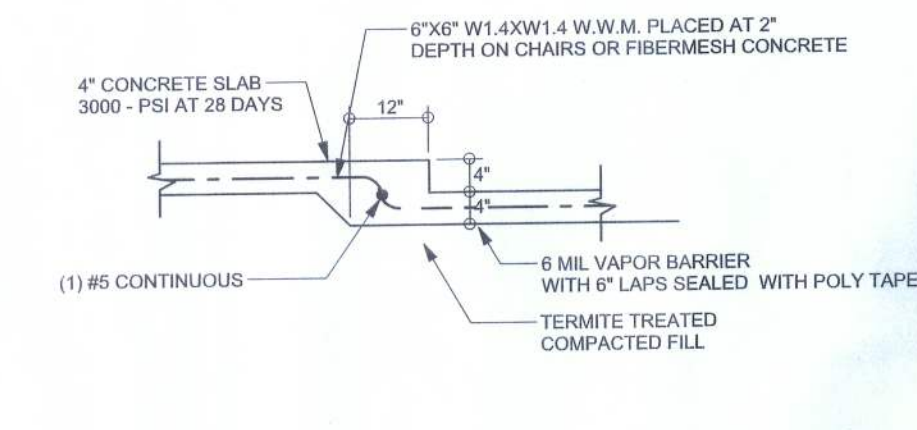
SHEET NUMBER
A.3
OF 4 SHEETS



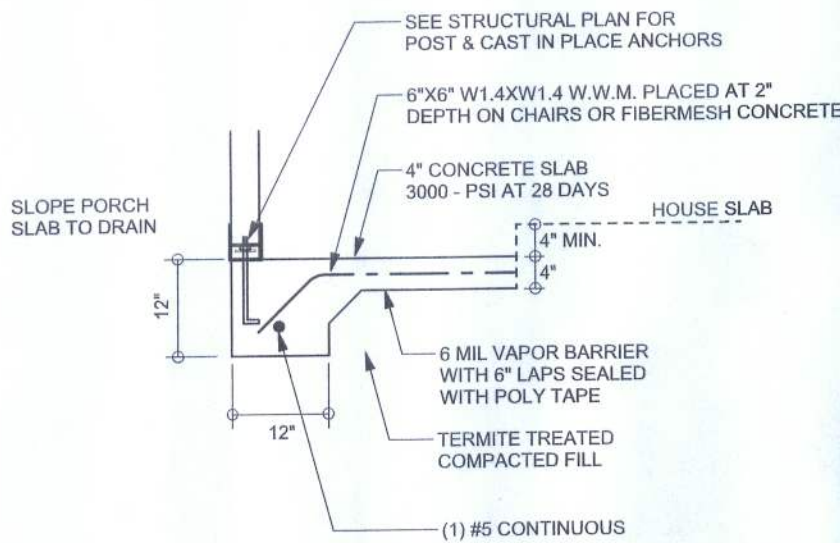
F9
S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



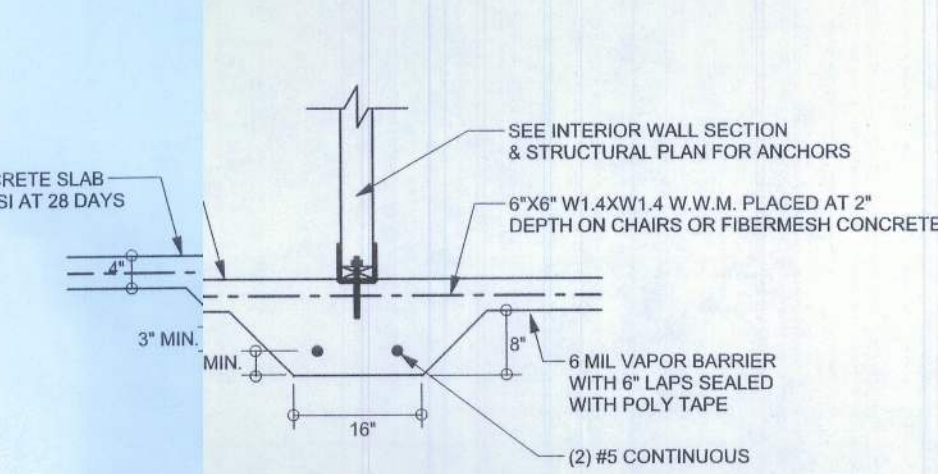
F12
S-2 STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



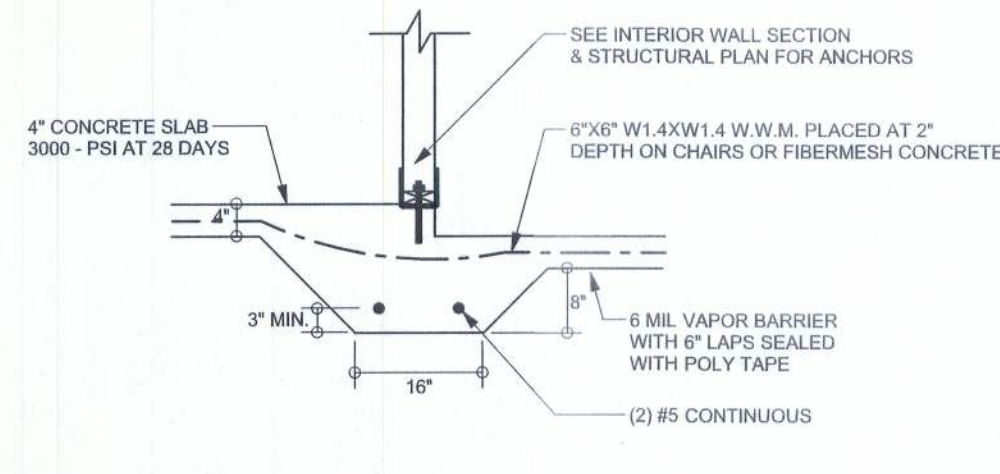
F6
S-2 TYPICAL NON - BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



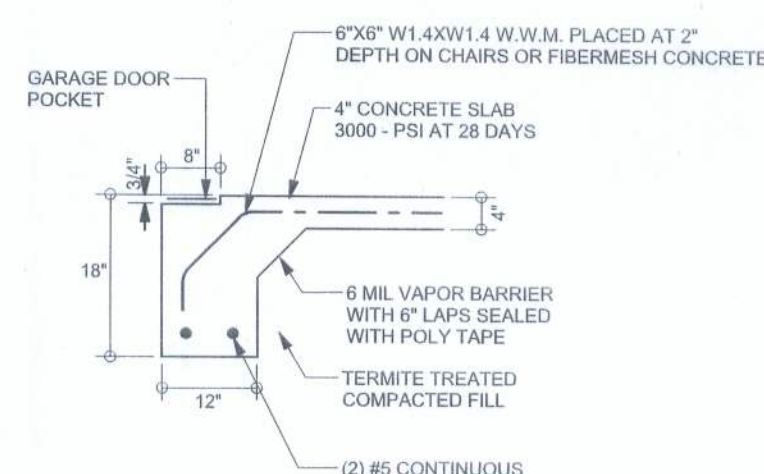
F5
S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"



F2
S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



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

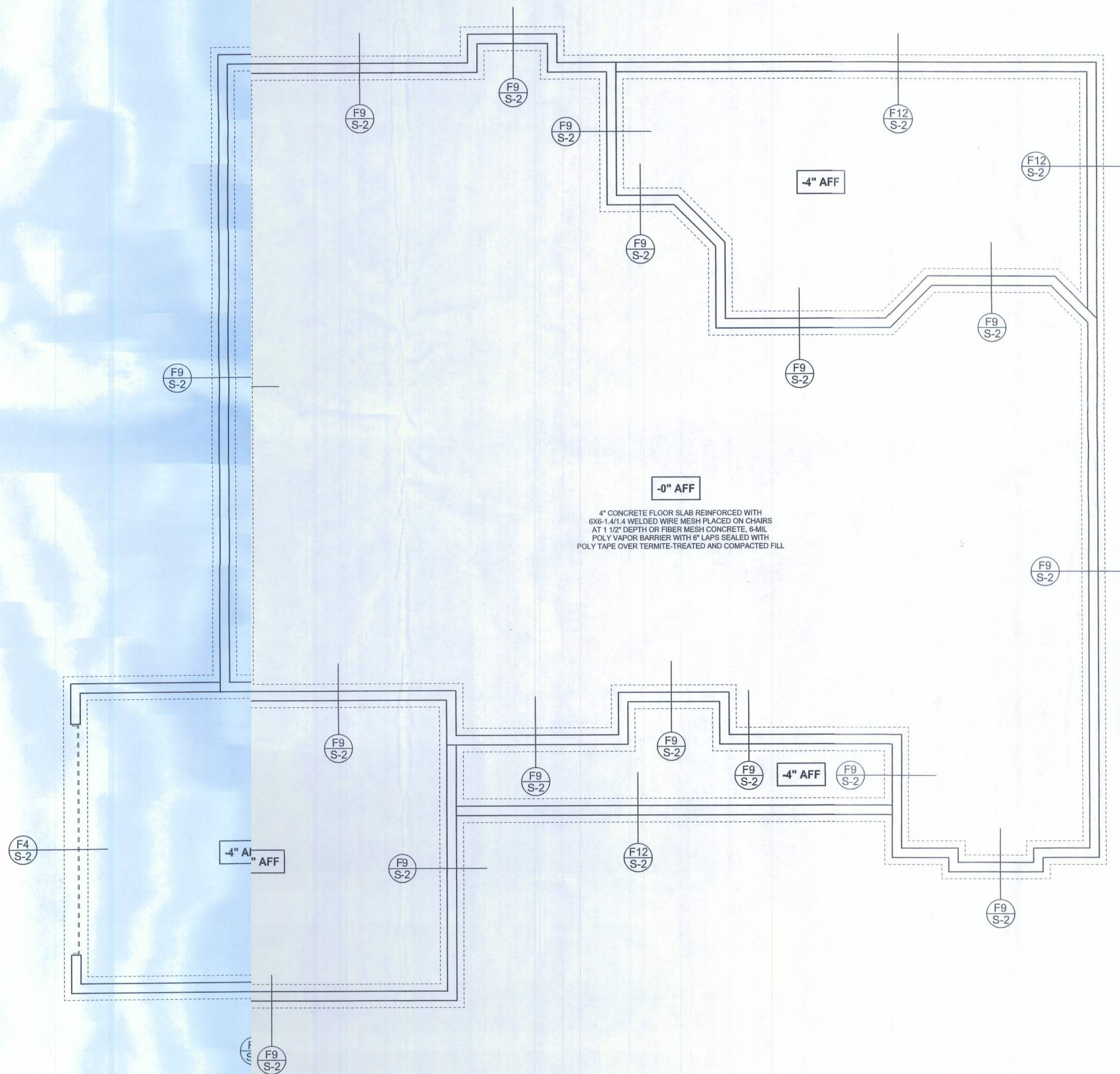


F4
S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"

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 Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 18S continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT 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



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

REVISIONS	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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.

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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, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915

Mark Disoway
3-2-2009
SEAL

Isaac Construction

Tony & Magda Sinisi Residence

ADDRESS:
Lot 6 Legion Place S/D
Lake City, Florida

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

PRINTED DATE:
June 23, 2009

DRAWN BY: David Disoway
STRUCTURAL BY: David Disoway

FINALS DATE:
22Jun09

JOB NUMBER:
906182

DRAWING NUMBER
S-2

OF 3 SHEETS

ELECTRICAL LEGEND	
	CEILING FAN (RE-WIRE FOR LIGHT KIT)
	DOOR SECURITY
	UNSWITCHED CAN LIGHT
	EXHAUST FAN
	LIGHT FIXTURE
	GFI OUTLET (AFCI & TAMPER RESISTANT)
	DUPLEX OUTLET
	DUPLEX OUTLET (PER NEC 406.8)
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE / CARBON MONOXIDE DETECTOR (see note below)
	SINGLE SWITCH
	DOUBLE WALL SWITCH
	WATER PROOF GFI OUTLET
	48" TUB FLUORESCENT FIXTURE

NOTE:
ALL INTERIOR RECEPTILES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER
NEC 406.11

ALL SMOKE DETECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR
AND SHALL HAVE BATTERY BACKUP POWER
AND ALL WIRING TO BE SO IF ANY ONE UNIT IS ACTUATED THEY
ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE
INSTALLED ON THE PRIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS.
CONDUCTORS USED IN THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB
PANEL SHALL HAVE R-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR
SHALL BE USED AS A EQUIPMENT GROUND.

IT IS THE LICENSED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL
WORK PERFORMED EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 2008 NATIONAL
ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.



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

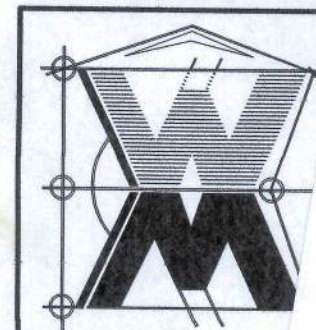
REVISIONS
August 30, 2010

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A CUSTOM RESIDENCE FOR:
TONY & MAGDA SINISI
PROJECT ADDRESS: LOT 6, LEGION PLACE S/D, LAKE CITY, FLORIDA 32024

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DESIGN
P.O. BOX 1513
LAKE CITY, FL 32056
(386) 758-8406
will@willmyers.net



JOB NUMBER
100503

SHEET NUMBER
A.3
OF 3 SHEETS

Will C. Myers