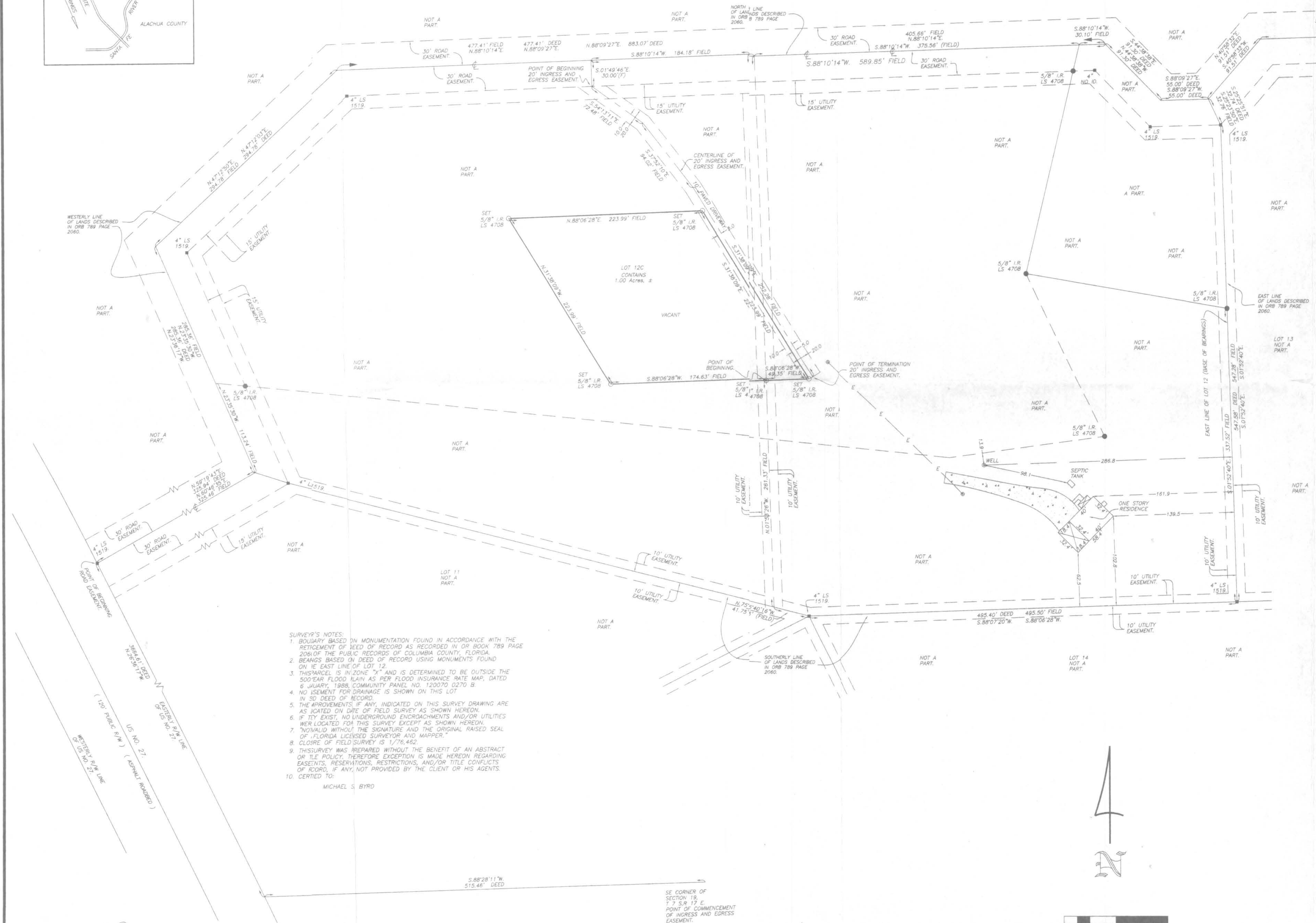


BOUNDARY SURVEY
IN SECTION 19,
TOWNSHIP 7 SOUTH,
RANGE 17 EAST,
COLUMBIA COUNTY, FLA.



DESCRIPTION: LOT 12C
A PART OF THE N.E. 1/4 OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17
EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS
FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE S.E. 1/4 OF SAID
N.E. 1/4 AND RUN S.1°55'47"E, ALONG THE EAST LINE THEREOF, 30.00
FEET TO A POINT ON THE CENTERLINE OF A 60.00 FOOT ROAD EASEMENT;
THENCE S.88°09'27"W, ALONG SAID CENTERLINE 581.30 FEET; THENCE S.40°
58'32"W, ALONG SAID CENTERLINE 91.51 FEET; THENCE S.25°25'11"E,
32.74 FEET TO A POINT ON THE SOUTH LINE OF THE AFOREMENTIONED
ROAD EASEMENT; THENCE S.1°52'40"E, 547.58 FEET; THENCE S.88°07'20"W,
495.40 FEET TO A CONCRETE MONUMENT, LS 1519; THENCE N.75°40'16"W,
41.75 FEET; THENCE N.01°53'28"W, 261.33 FEET TO A 5/8" IRON ROD, LS
4708, AND THE POINT OF BEGINNING; THENCE S.88°06'28"W, 174.63 FEET
TO A 5/8" IRON ROD, LS 4708; THENCE N.31°38'09"E, 223.99 FEET TO A
5/8" IRON ROD, LS 4708; THENCE N.88°06'28"E, 223.99 FEET TO A 5/8"
IRON ROD, LS 4708; THENCE S.31°38'09"E, 223.99 FEET TO A 5/8" IRON
ROD, LS 4708; THENCE S.88°06'28"E, 49.35 FEET TO THE POINT OF
BEGINNING.
CONTAINING 1.00 ACRES, MORE OR LESS.
SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS PURPOSES OVER AND
ACROSS THE EASTERLY 5.00 FEET THEREOF.

TOGETHER WITH A 20 FOOT WIDE ROAD EASEMENT FOR INGRESS AND
EGRESS LYING 10 FEET TO EACH SIDE OF AND ADJACENT TO THE
FOLLOWING DESCRIBED CENTERLINE:
A PART OF THE N.E. 1/4 OF SECTION 19, TOWNSHIP 7 SOUTH, RANGE 17
EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS
FOLLOWS: COMMENCE AT THE NORTHEAST CORNER OF THE S.E. 1/4 OF SAID
N.E. 1/4 AND RUN S.1°55'47"E, ALONG THE EAST LINE THEREOF, 30.00
FEET TO A POINT ON THE CENTERLINE OF A 60.00 FOOT ROAD EASEMENT;
THENCE S.88°09'27"W, ALONG SAID CENTERLINE 581.30 FEET; THENCE S.40°
58'32"W, ALONG SAID CENTERLINE 91.51 FEET; THENCE S.88°09'27"W,
58.00 FEET; THENCE N.44°38'38"W, 91.30 FEET; THENCE S.88°01'4"W,
589.85 FEET; THENCE S.01°49'46"E, 30.00 FEET TO A POINT ON THE
SOUTH RIGHT-OF-WAY LINE OF THE AFOREMENTIONED 60.00 FOOT WIDE
ROAD EASEMENT AND THE POINT OF BEGINNING OF THE HEREINAFTER
DESCRIBED EASEMENT; CENTERLINE, THENCE S.54°13'11"E, 72.48 FEET;
THENCE S.37°52'10"E, 94.02 FEET; THENCE S.31°38'09"E, 252.28 FEET TO
THE POINT OF TERMINATION OF SAID CENTERLINE. THE SIDE LINES OF SAID
20.00 FOOT WIDE EASEMENT ARE TO BE LENGTHENED OR SHORTENED AS
NECESSARY TO CREATE A CONTINUOUS CORRIDOR 20.00 FEET IN WIDTH
FROM THE SOUTHERLY LINE OF THE 60.00 FOOT WIDE ROAD EASEMENT TO
THE EASTERLY EXTENSION OF THE SOUTHERLY LINE OF THE BENEFITING .01
ACRE TRACT DESCRIBED ABOVE.

TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS OVER AND ACROSS THE
FOLLOWING DESCRIBED LANDS:
60-FOOT ROAD EASEMENT ALONG NORTH LINE OF SUBDIVISION
A STRIP OF LAND 60 FEET IN WIDTH BEING 30 FEET EACH SIDE OF A CENTERLINE
DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF SECTION
19, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN
THENCE S.88°28'11"W, ALONG THE SOUTH LINE OF SAID SECTION 19, 55.46
FEET TO THE EASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (US
HIGHWAY 27); THENCE N.28°56'17"W, ALONG SAID EASTERLY RIGHT-OF-WAY
LINE, 386.61 FEET TO THE CENTERLINE OF SAID ROAD EASEMENT AND TO THE
POINT OF BEGINNING; THENCE N.59°19'43"E, ALONG SAID CENTERLINE,
325.94 FEET; THENCE N.23°36'17"W, ALONG SAID CENTERLINE, 285.36 FEET;
THENCE N.47°12'13"E, ALONG SAID CENTERLINE, 284.78 FEET; THENCE
N.88°09'27"E, ALONG SAID CENTERLINE, 883.07 FEET; THENCE S.44°38'38"E,
ALONG SAID CENTERLINE, 91.30 FEET; THENCE N.88°09'27"E, ALONG SAID
CENTERLINE, 58.00 FEET; THENCE N.40°58'12"E, ALONG SAID CENTERLINE,
91.51 FEET; THENCE N.88°09'27"E, ALONG SAID CENTERLINE, 581.30 FEET TO
THE SECTION LINE BETWEEN SECTIONS 19 AND 20, THENCE N.88°19'52"E,
ALONG SAID CENTERLINE, 87.42 FEET TO THE WEST LINE OF PARCEL 28 AND TO
THE POINT OF TERMINATION.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE
RETICEMENT OF REED OF RECORD AS RECORDED IN OR BOOK 789 PAGE
206 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.
2. BEAKS BASED ON DEED OF RECORD USING MONUMENTS FOUND
ON THE EAST LINE OF LOT 12.
3. THIS PARCEL IS IN ZONE "A" AND IS DETERMINED TO BE OUTSIDE THE
500-YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED
6 JANUARY, 1998, COMMUNITY PANEL NO. 120070 0270 B.
4. NO USEMENT FOR DRAINAGE IS SHOWN ON THIS LOT
IN 80 DEED OF RECORD.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE
AS NOTED ON THE FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES
WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "INVALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL
OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS 1/76,462.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT
OR TITLE POLICY, THEREFORE EXCEPTION IS MADE HEREON REGARDING
EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS
OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
10. CERTIFIED TO:
MICHAEL S. BYRD

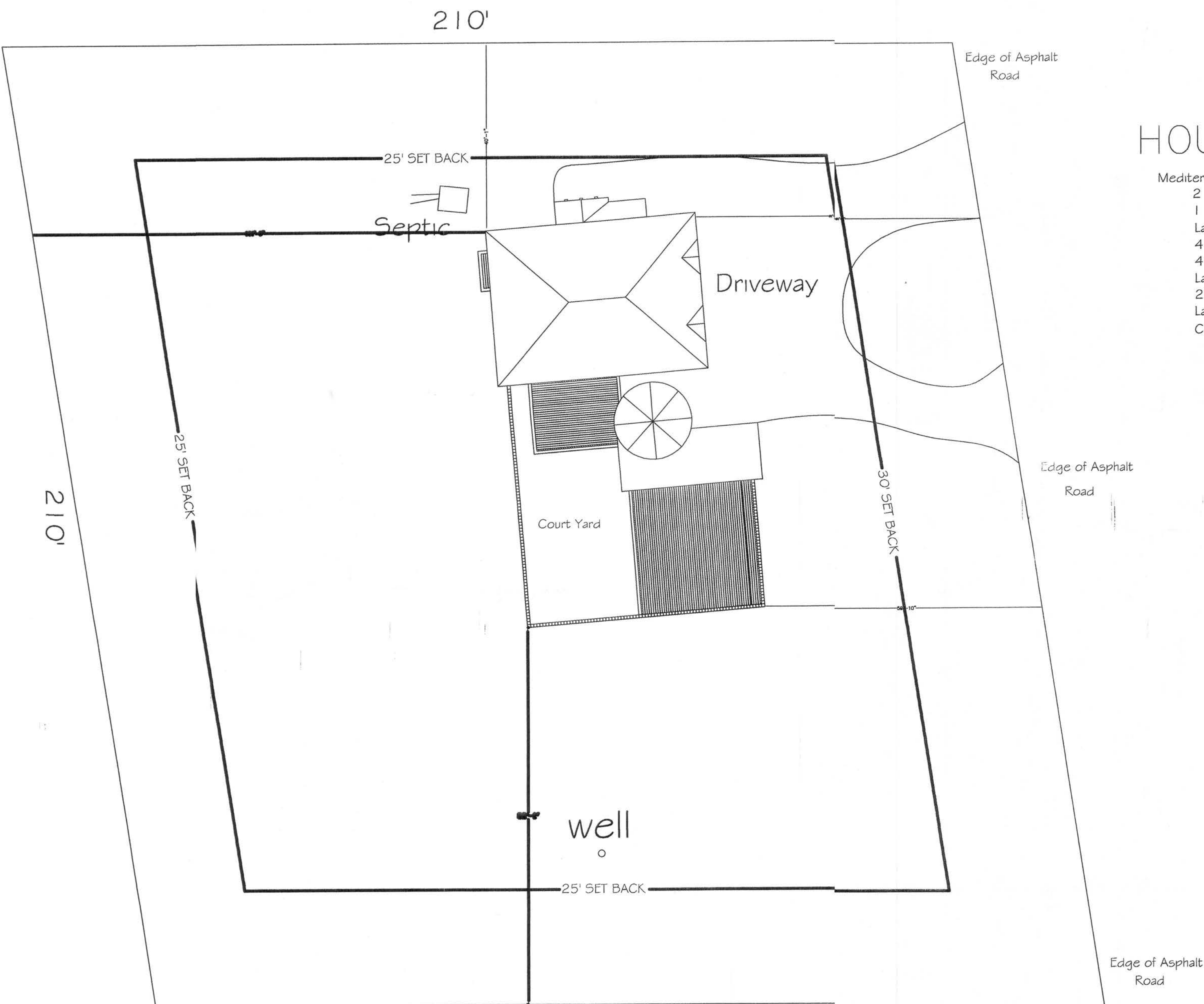
SYMBOL LEGEND
O.R.I. OFFICIAL RECORD INSTRUMENT
C.M. CONCRETE MONUMENT FOUND
C.M. CONCRETE MONUMENT SET, LS 4708
O. 5/8" IRON PIN OR PIPE FOUND
O. 5/8" IRON ROD SET, LS 4708
--- WIRE FENCE
--- ELECTRIC UTILITY LINE (OVERHEAD)
--- UNDERGROUND ELECTRIC SERVICE
--- CABLE TV LINE (OVERHEAD)
--- CHAIN LINK FENCE
--- WOODEN FENCE
CMP CORRUGATED METAL PIPE
RCP REINFORCED CONCRETE PIPE
LS LAND SURVEYOR
LS LICENSED BUSINESS
ORB OFFICIAL RECORD BOOK
PRM PERMANENT REFERENCE MONUMENT
PCP PERMANENT CONTROL POINT
● UTILITY POLE
R/W RIGHT-OF-WAY
NO ID. NO IDENTIFICATION
FLA. D.O.T. FLA. DEPT. OF TRANSPORTATION
C.M. CONCRETE MONUMENT
I.R. IRON ROD
I.P. IRON PIPE

EXTRA ABBREVIATION:
(F) FIELD, AS IN FIELD
MEASUREMENT)
(D) DEED, AS IN "DEED
DIMENSION")
(P) PLAT, AS IN "PLAT
DIMENSION")
(R) RECORD, AS IN "RECORD
DIMENSION")

MARK D. DUREN, P.S.M.
LS 4708
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX
FIELD SURVEY DATE: JUNE 8, 2007
DATE DRAWN: JUNE 8, 2007
FIELD BOOK: 172 PAGE: 18
DRAWN BY: BRADLEY DUREN/DA DUREN
WO# 07-331
REV: 07-18

SIGNED:
MARK D. DUREN, LS 4708

Michael S. Byrd Residence



GENERAL INFO

HOUSE:

Mediterranean / Spanish Style
2 Bedroom
1 1/2 Bathroom
Large court yard
4 person hot tub
4' privacy wall
Large 2 car garage
2 balconies
Large deck
Court yard Tower entrance

TOTAL SF Under Roof

1st Story 1976 SF
2nd Story 1275 SF
Total SF = 3251 SF

TOTAL SF Under Air

1st Story 289 SF
2nd Story 1275 SF
Total Under Air = 1564 SF

LAND:

1 ACRE LOT

Zoned (Agricultural - 3)
Heavily treed with tall exotic woods.
Well and Septic
Paved Road
Circular Drive

IMPROVEMENTS:

SOLAR POWER

Passive Solar heated water collectors with back up instant heat (if needed)
Solar powered water pump for the well.

WATER STORAGE TANK

1100 Gallon water tank for fresh water
250 Gallon drinking water tank

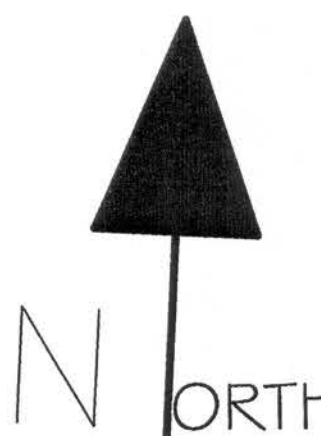
DECK 825 SF

BALCONIES 386 SF

PORCH 120 SF

GARAGE 674 SF

SITE PLAN



General Notes

SITE PLAN

DRAWN BY:

Michael S. Byrd
Phone: (407) 832-1687

ENGINEERED BY:

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

No.	Revision/Issue	Date

Firm Name and Address

BYRD BUILDING GROUP
7441 Belle River Ct.
Winter Park, FL 32792

Project Name and Address

Michael S. Byrd Residence

Address:

336 SW Bonifay Gler
Fort White, FL 32038

Project

Byrd Residence

Date

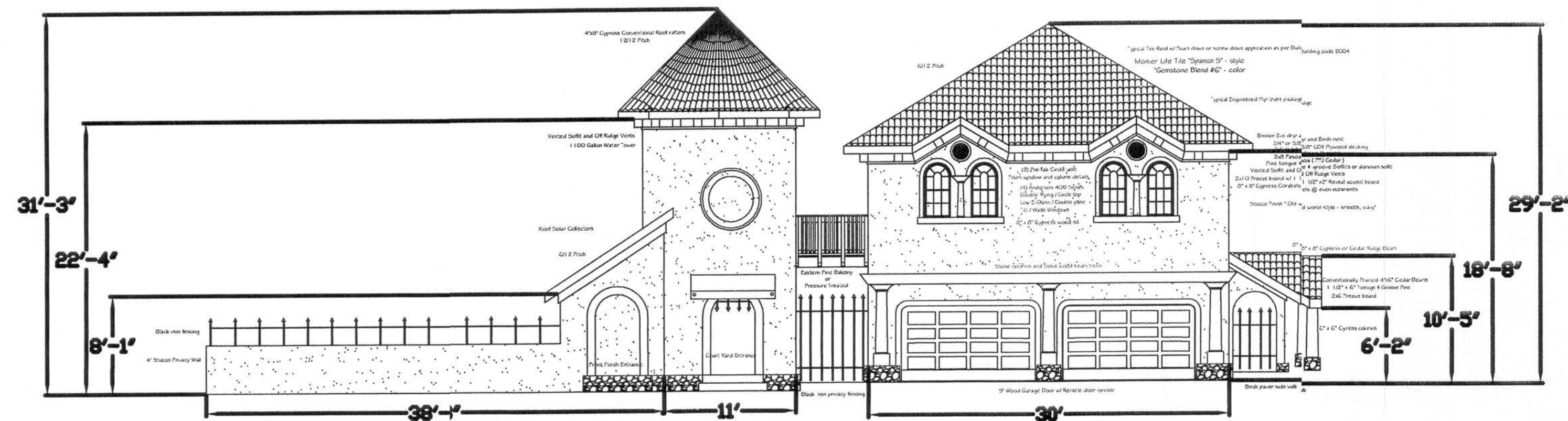
6/29/2007

Scale

1/16" = 1'

Sheet

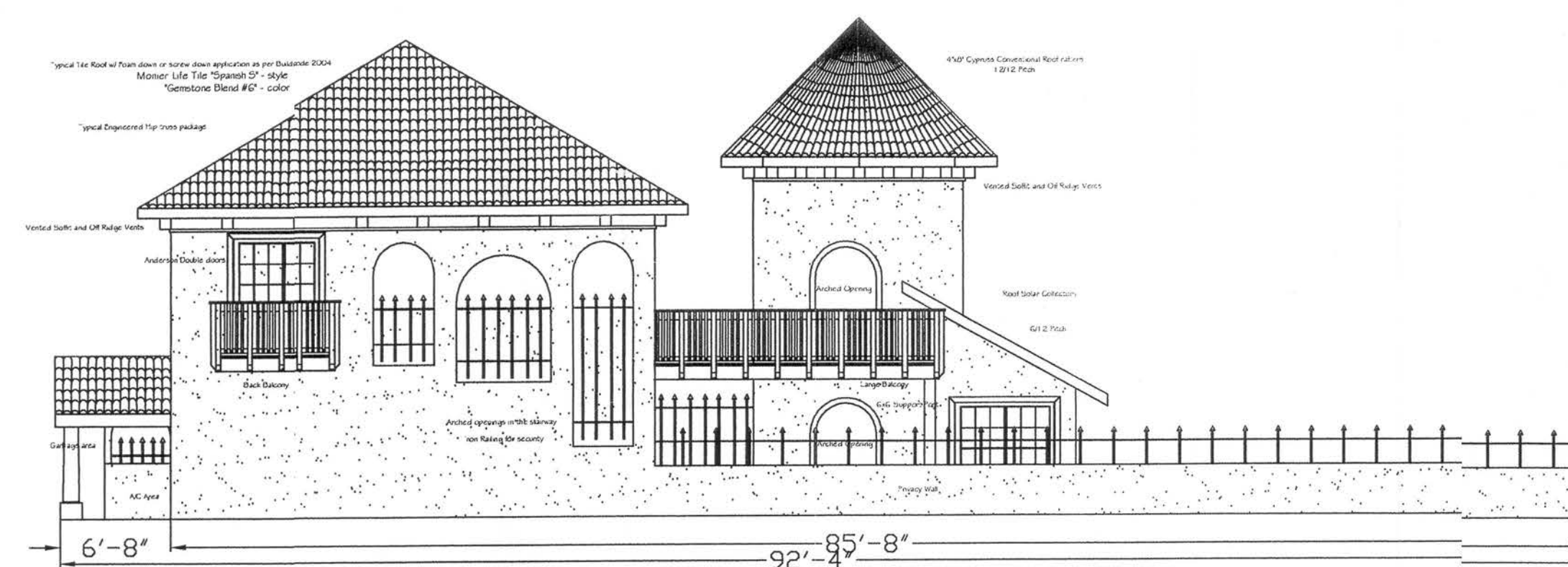
1-A



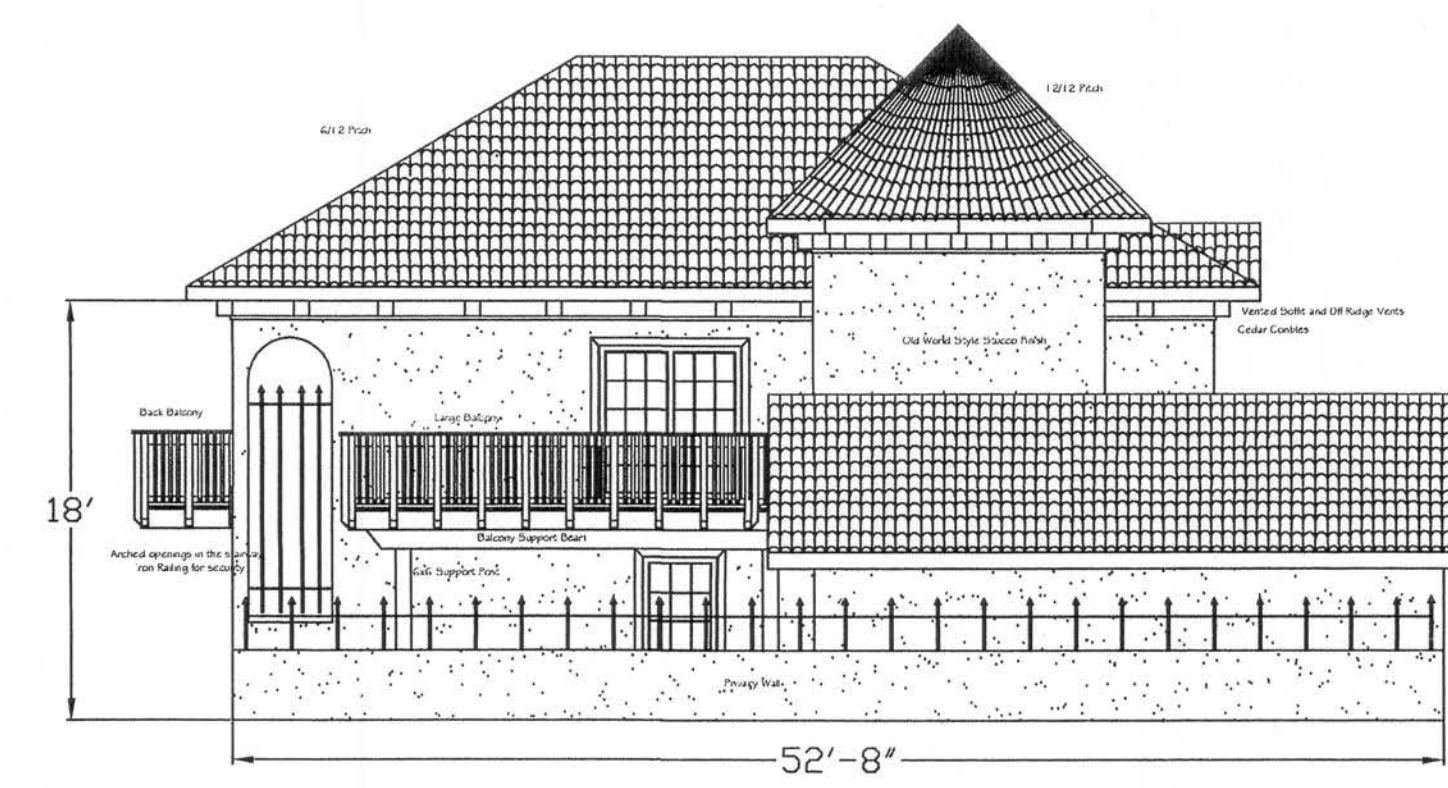
FRONT ELEVATION
1/8" = 1'



NORTH ELEVATION
1/8" = 1'



BACK ELEVATION
1/8" = 1'



SOUTH ELEVATION
1/8" = 1'

General Notes

ELEVATIONS

DRAWN BY:

Michael S. Byrd

Phone: (407) 832-1587

ENGINEERED BY:

WINDLOAD ENGINEERING

Mark Disosway P.E.

P.O.BOX 868

Lake City, Florida 32056

Phone: (386) 754-5419

Fax: (386) 269-4871

No.	Revision/Issue	Date

Firm Name and Address

BYRD BUILDING GROUP

7441 Belle River Ct.
Winter Park, FL 12792

Project Name and Address

Michael S. Byrd Residence

Address:
336 SW Bonifay Glen
Fort White, FL 12038

Project

Byrd Residence

Date

6/29/2007

Scale

1/8" = 1'

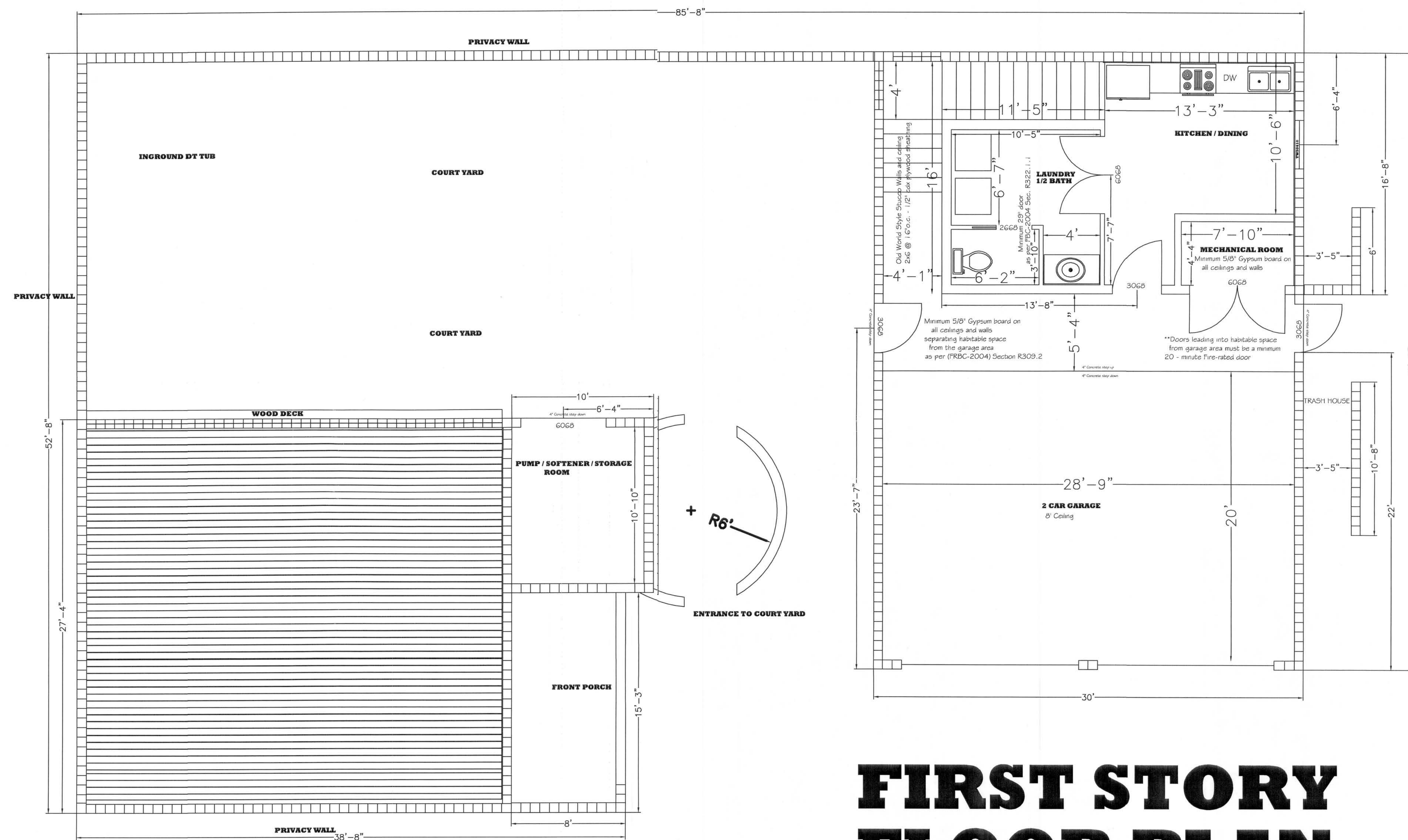
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2-A

FN/AVE

REV/DATE

USER



FIRST STORY FLOOR PLAN

1/4" = 1'

General Notes

1ST FLOOR

DRAWN BY:

Michael S. Byrd

Phone: (407) 832-1687

ENGINEERED BY:

WINDLOAD ENGINEERING

Mark Disosway P.E.

P.O.BOX 868
Lake City, Florida 32056

Phone: (386) 754-5419
Fax: (386) 269-4871

No.	Revision/Issue	Date

Firm Name and Address

**BYRD BUILDING
GROUP**

7441 Belle River Ct.
Winter Park, FL 32792

Project Name and Address

Michael S. Byrd Residence

Address:

336 SW Bonifay Glen
Fort White, FL 32038

Project

Byrd Residence

Date

6/29/2007

Scale

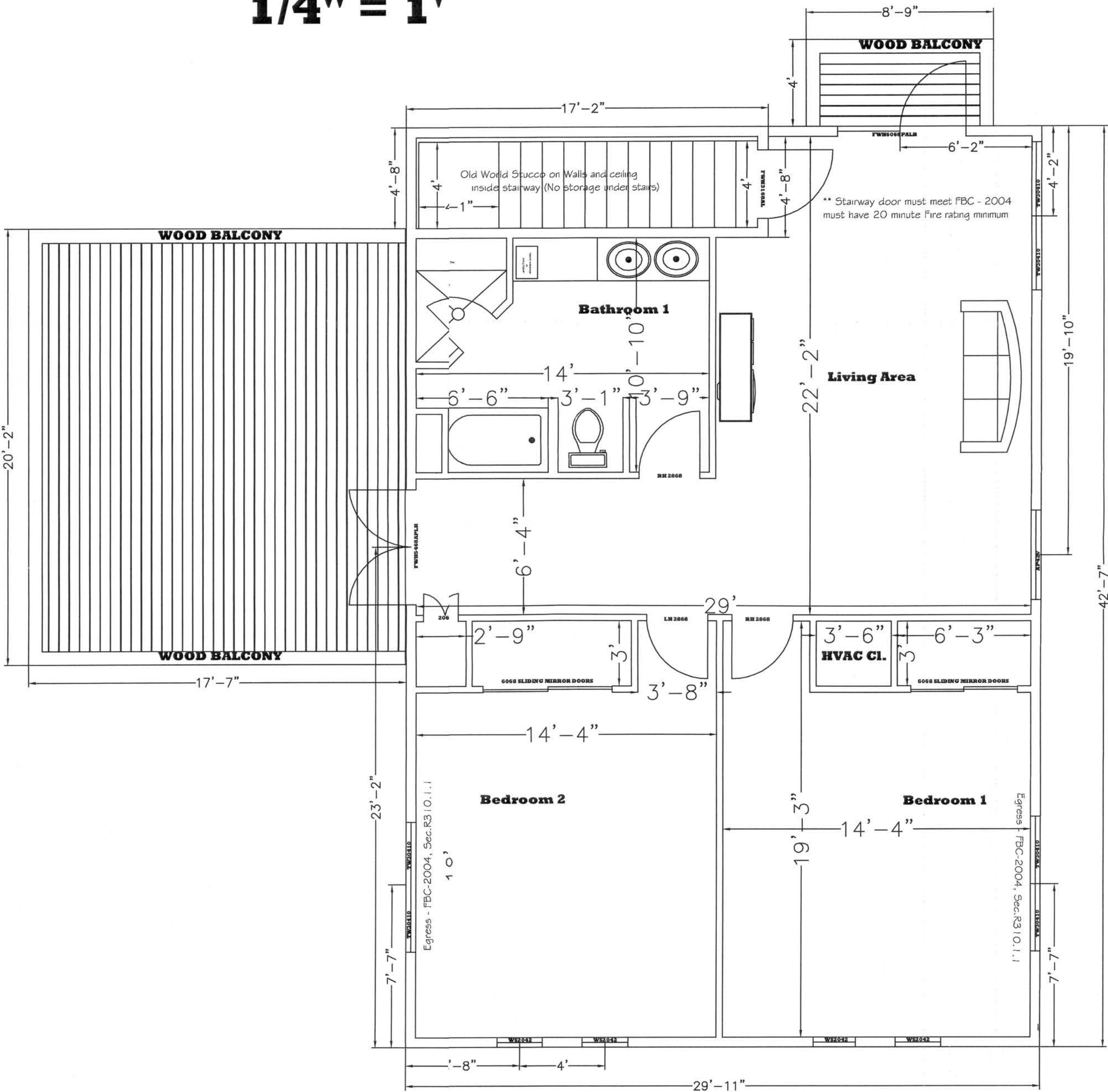
1/4" = 1'

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3-A

Second Story Floor plan

1/4" = 1'



WINDOW SCHEDULE

QUANTITY	SIZE	TYPE	MAKE	GLASS TYPE	ROUGH OPENING
(4)	WS2042	400 - Series Double Hung	Anderson Circle Top	Low E / Argon	2' 2 1/8" x 4' 5"
(6)	TW30410	400 - Series Double hung	Anderson Tilt/Wash	Low E / Argon	3' 2 1/8" x 5' 7/8"
(1)	AP42V	400 - Series Awning	Anderson	Low E / Argon	4' 1/2" x 4' 1/2"
(1)	CN255	400 - Series Casement	Anderson	Low E / Argon	3'5 1/8" x 5' 5 3/8"

DOOR SCHEDULE

QUANTITY	SIZE	TYPE	SWING	MAKE	HARDWARE	ROUGH OPENING
(1)	FWH3168AR	400 - Series Single	Right Hand	Anderson Exterior	Estate Series - Oil Rubbed	3'1" x 6'8"
(2)	FWH3168AL	400 - Series Single	Left Hand	Anderson Exterior	Estate Series - Oil Rubbed	3'1" x 6'8"
(1)	FWH5468APLR	400 - Series Double	Left Hand (Out)	Anderson Exterior	Estate Series - Oil Rubbed	5'4" x 6'8"
(1)	FWH6068PALR	400 - Series	Left Hand (Out)	Anderson	Estate Series - Oil Rubbed	6'0" x 6'8"

General Notes

2nd FLOOR

DRAWN BY:

Michael S. Byrd
Phone: (407) 332-1687

ENGINEERED BY:

WINDLOAD ENGINEERING
Mark Disosway P.E.
P.O. BOX 868
Lake City, Florida 32056
Phone: (386) 754-5419
Fax: (386) 259-4871

No.	Revisor/Issue	Date

Firm Name and Address

BYRD BUILDING
GRUP

7441 Belle River Ct.
Winter Park, FL 32792

Project Name and Address

Michael S. Byrd Residence

Address:

336 SW Bnifay Glen
Fort White, FL 32038

Project

Byrd Residence

Date

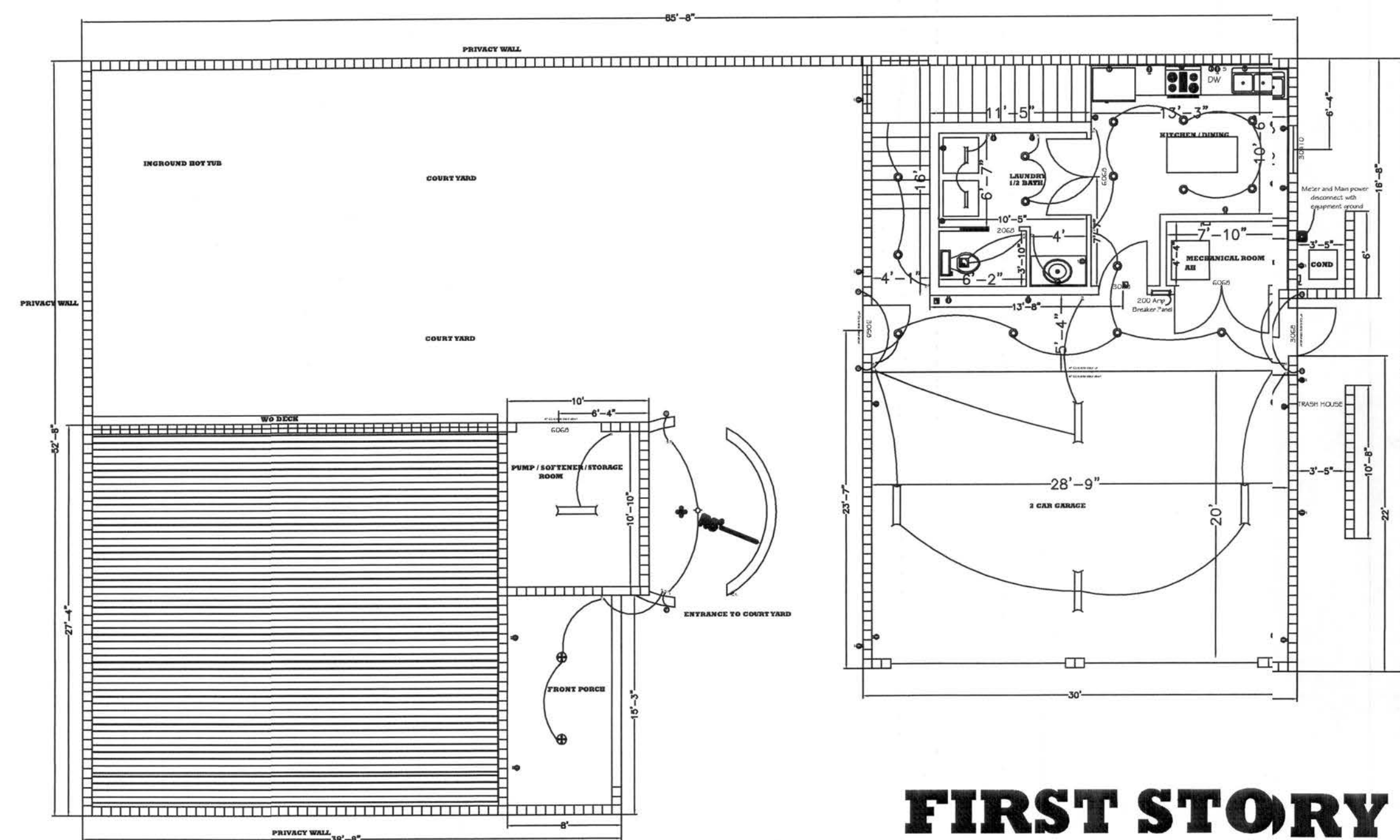
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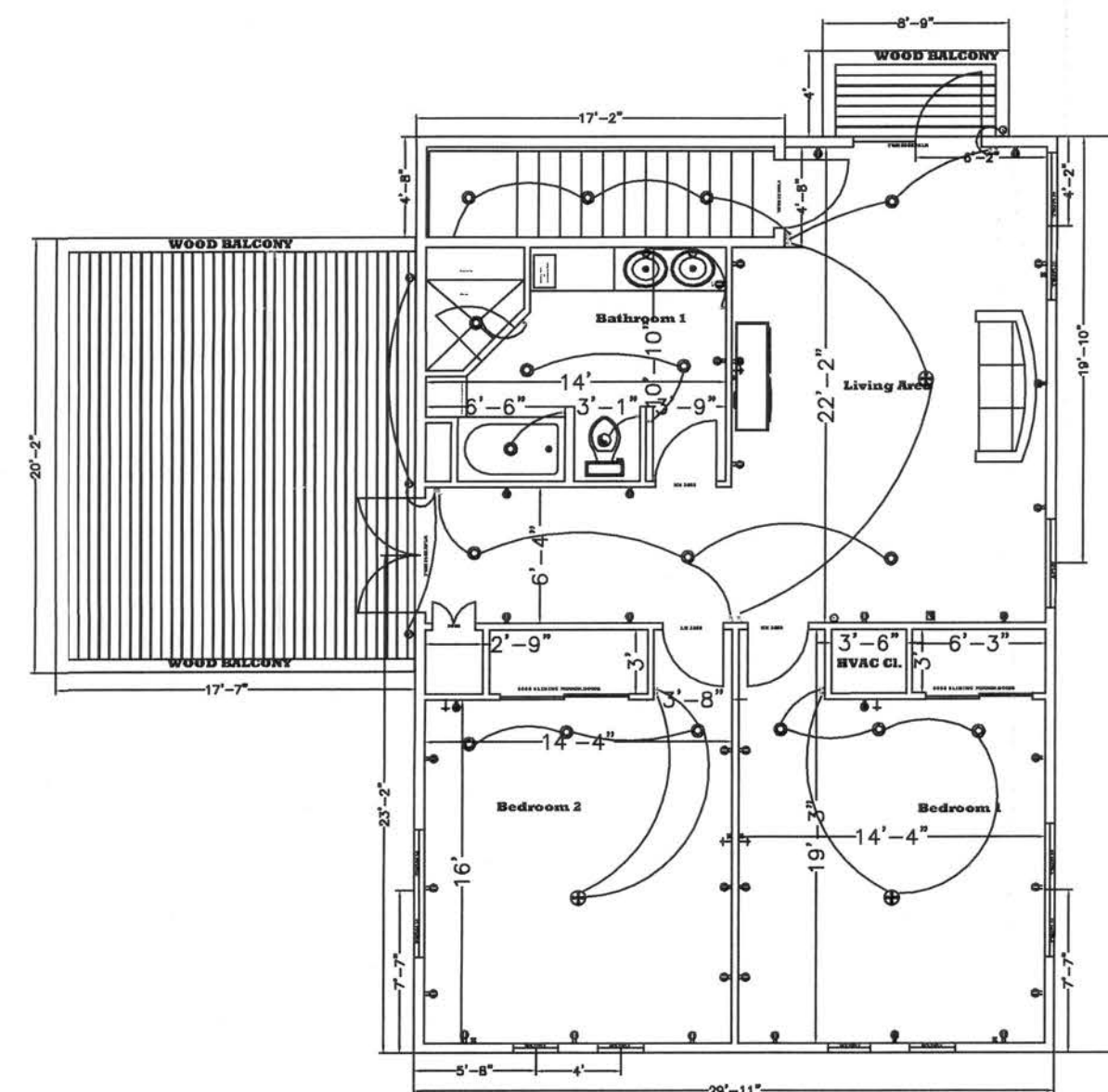
1/4" = 1'

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4-A



**FIRST STORY
ELECTRICAL PLAN**



**SECOND STORY
ELECTRICAL PLAN**

ELECTRICAL LEGEND

- | | | | |
|--|--------------------------------|--|---------------------------------------|
| | Ceiling Mounted Light | | Single Receptacle Outlet |
| | Drop cord light | | Duplex Receptacle Outlet |
| | Ceiling light with pull switch | | Triplex Receptacle Outlet |
| | Recessed Can Light | | Quadruplex Receptacle Outlet |
| | Hanging Light | | Split-wired Duplex Receptacle Outlet |
| | Fluorescent Light | | 230 Volt Outlet |
| | Recessed Fluorescent Light | | Weatherproof Duplex Receptacle Outlet |
| | Bare Lamp Fluorescent Light | | Duplex Receptacle Outlet with Switch |
| | Ceiling Fan | | Flush Mount Panel Box |
| | Ceiling Fan with Light | | Floor Receptacle Outlet |
| | Wall Mounted Light | | Smoke Detector |
| | Wall Sconce | | Single-pole Switch |
| | Chandelier | | Double-pole Switch |
| | Exhaust Fan | | Three-way Switch |
| | Exhaust Fan with Light | | Four-way Switch |
| | Exterior Flood Light | | Weatherproof Switch |
| | Telephone Jack | | Low Voltage Switch |
| | Television Jack | | Dimmer Switch |
| | Thermostat | | Night Lighted Dimmer Switch |
| | Chime | | Night Lighted Switch |
| | Push Button | | GFI Duplex Receptacle Outlet |
| | Disconnect | | Garage Door Opener |
| | Meter | | Garage Door Opener Switch |
| | | | Speaker Outlet |
| | | | 220 Volt Duplex Outlet |

** Electrical service will have underground entrance
** Electrical Service panel will be a 200 Amp service

General Notes

ELECTRICAL PLAN

DRAWN BY:

Michael S. Byrd

Phone: (407) 832-1687

ENGINEERED BY:

WINDLOAD ENGINEERING

Mark Disosway P.E.

P.O.BOX 868

Lake City, Florida 32056

Phone: (386) 754-5419
Fax: (386) 269-4871

No.	Revision/Issue	Date

Firm Name and Address

**BYRD BUILDING
GROUP**

7441 Belle River Ct.
Winter Park, FL 32792

Project Name and Address

Michael S. Byrd Residence

Address:

336 SW Bonifay Glen
Fort White, FL 32038

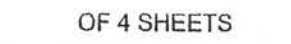
Project
Byrd Residence

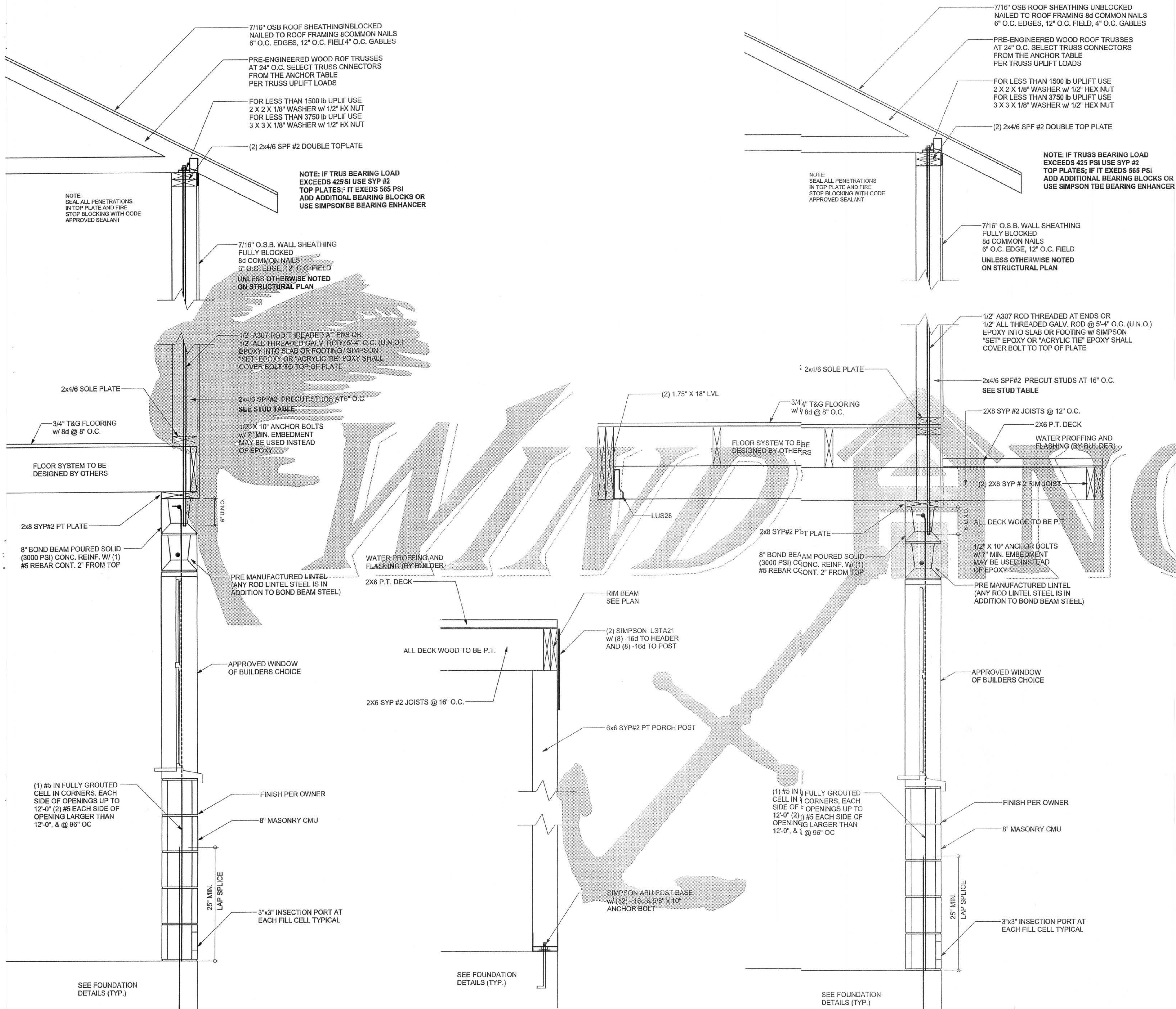
Date
6/29/2007

Scale
1/8" = 1'

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5-A





MATERIALS

1. Fc 8" precast lintel = 3500 psi
2. Fc 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/360 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-208 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 / Safe vertical load + Safe horizontal load ≤ 1.0
13. Additional lateral load capacity can be obtained by the designer by providing additional reinforced concrete masonry above the lintel. See detail at right:

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT									
		8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B	8F36-0B	8F40-0B
2'-0"	(34") PRECAST	2231	3069	4605	6113	7547	8974	10394	11809	13219	14624
3'-6"	(42") PRECAST	2231	3069	4605	6113	7547	8974	10394	11809	13219	14624
4'-0"	(48") PRECAST	1966	2693	4035	5377	6719	8061	9403	10745	12087	13429
4'-6"	(54") PRECAST	1599	2189	3315	4441	5567	6693	7819	8945	10071	11197
5'-4"	(64") PRECAST	1217	1663	2545	3427	4309	5191	6073	6955	7837	8719
5'-10"	(70") PRECAST	1062	1451	2222	2993	3764	4535	5306	6077	6848	7619
6'-8"	(78") PRECAST	808	1238	1917	2596	3275	3954	4633	5312	5991	6670
7'-6"	(80") PRECAST	743	1011	1729	2357	2985	3613	4241	4869	5497	6125
9'-4"	(112") PRECAST	554	699	1160	1625	2090	2554	3019	3484	3949	4414
10'-8"	(126") PRECAST	475	535	890	1247	1603	1959	2315	2671	3027	3383
11'-4"	(136") PRECAST	362	443	645	847	1049	1251	1453	1655	1857	2059
12'-0"	(144") PRECAST	337	401	583	765	947	1129	1311	1493	1675	1857
13'-4"	(160") PRECAST	296	351	503	655	807	959	1111	1263	1415	1567
14'-0"	(168") PRECAST	279	324	456	588	720	852	984	1116	1248	1380
14'-8"	(176") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
15'-4"	(184") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
17'-4"	(208") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
19'-4"	(232") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
21'-4"	(256") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
22'-0"	(264") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR
24'-0"	(288") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR	NR	NR

SAFE UPLIFT LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	SAFE LOAD - POUNDS PER LINEAR FOOT									
		8U8	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	8F36-1T	8F40-1T
2'-0"	(34") PRECAST	1972	3173	4460	5747	7034	8321	9608	10895	12182	13469
3'-6"	(42") PRECAST	1569	2524	3547	4569	5591	6613	7635	8657	9679	10701
4'-0"	(48") PRECAST	1363	2152	3079	3986	4893	5800	6707	7614	8521	9428
4'-6"	(54") PRECAST	1207	1840	2724	3508	4292	5077	5861	6645	7429	8213
5'-4"	(64") PRECAST	1016	1632	2290	2949	3607	4265	4924	5582	6240	6898
5'-10"	(70") PRECAST	829	1452	2083	2694	3295	3897	4498	5099	5699	6299
6'-8"	(78") PRECAST	635	1340	1880	2419	2959	3498	4038	4577	5117	5657
7'-6"	(80") PRECAST	572	1241	1734	2212	2691	3170	3649	4128	4607	5086
9'-4"	(112") PRECAST	391	880	1133	1471	1811	2152	2494	2835	3176	3517
10'-8"	(126") PRECAST	330	752	914	1185	1458	1731	2004	2277	2550	2823
11'-4"	(136") PRECAST	274	658	783	908	1033	1158	1283	1408	1533	1658
12'-0"	(144") PRECAST	240	583	698	813	928	1043	1158	1273	1388	1503
13'-4"	(160") PRECAST	207	503	598	693	788	883	978	1073	1168	1263
14'-0"	(168") PRECAST	189	456	536	616	696	776	856	936	1016	1096
14'-8"	(176") PRESTRESSED	166	390	455	520	585	650	715	780	845	910
15'-4"	(184") PRESTRESSED	144	324	379	434	489	544	599	654	709	764
17'-4"	(208") PRESTRESSED	102	222	262	302	342	382	422	462	502	542
19'-4"	(232") PRESTRESSED	79	166	196	226	256	286	316	346	376	406
21'-4"	(256") PRESTRESSED	62	132	157	182	207	232	257	282	307	332
22'-0"	(264") PRESTRESSED	57	122	147	172	197	222	247	272	297	322
24'-0"	(288") PRESTRESSED	44	94	114	134	154	174	194	214	234	254

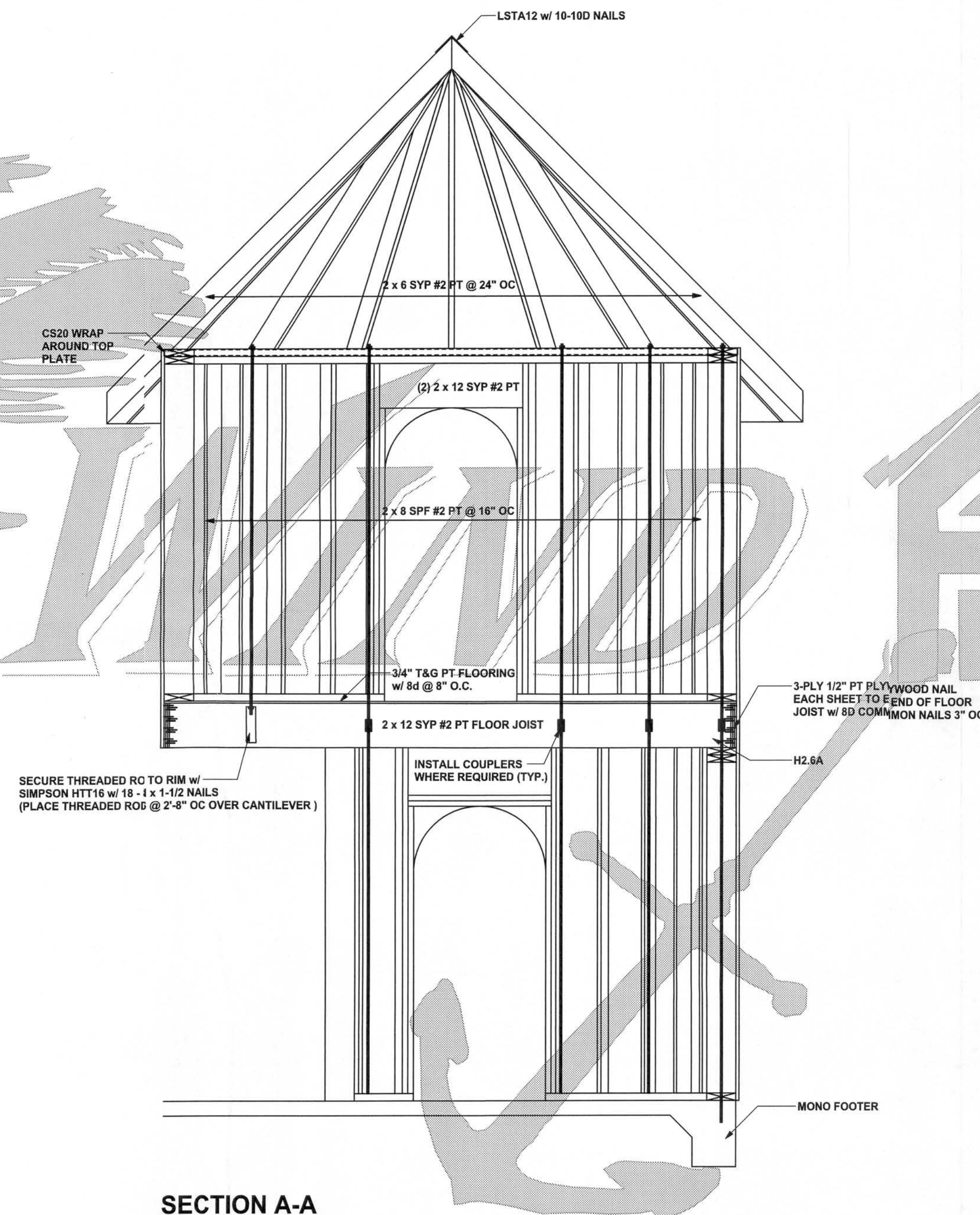
SAFE LOAD TABLE NOTES

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) 6468(10) 6464(10) 6460(10) 6456(10) 6452(10) 6448(10) 6444(10) 6440(10) 6436(10) 6432(10) 6428(10) 6424(10) 6420(10) 6416(10) 6412(10) 6408(10) 6404(10) 6400(10) 6396(10) 6392(10) 6388(10) 6384(10) 6380(10) 6376(10) 6372(10) 6368(10) 6364(10) 6360(10) 6356(10) 6352(10) 6348(10) 6344(10) 6340(10) 6336(10) 6332(10) 6328(10) 6324(10) 6320(10) 6316(10) 6312(10) 6308(10) 6304(10) 6300(10) 6296(10) 6292(10) 6288(10) 6284(10) 6280(10) 6276(10) 6272(10) 6268(10) 6264(10) 6260(10) 6256(10) 6252(10) 6248(10) 6244(10) 6240(10) 6236(10) 6232(10) 6228(10) 6224(10) 6220(10) 6216(10) 6212(10) 6208(10) 6204(10) 6200(10) 6196(10) 6192(10) 6188(10) 6184(10) 6180(10) 6176(10) 6172(10) 6168(10) 6164(10) 6160(10) 6156(10) 6152(10) 6148(10) 6144(10) 6140(10) 6136(10) 6132(10) 6128(10) 6124(10) 6120(10) 6116(10) 6112(10) 6108(10) 6104(10) 6100(10) 6096(10) 6092(10) 6088(10) 6084(10) 6080(10) 6076(10) 6072(10) 6068(10) 6064(10) 6060(10) 6056(10) 6052(10) 6048(10) 6044(10) 6040(10) 6036(10) 6032(10) 6028(10) 6024(10) 6020(10) 6016(10) 6012(10) 6008(10) 6004(10) 6000(10) 5996(10) 5992(10) 5988(10) 5984(10) 5980(10) 5976(10) 5972(10) 5968(10) 5964(10) 5960(10) 5956(10) 5952(10) 5948(10) 5944(10) 5940(10) 5936(10) 5932(10) 5928(10) 5924(10) 5920(10) 5916(10) 5912(10) 5908(10) 5904(10) 5900(10) 5896(10) 5892(10) 5888(10) 5884(10) 5880(10) 5876(10) 5872(10) 5868(10) 5864(10) 5860(10) 5856(10) 5852(10) 5848(10) 5844(10) 5840(10) 5836(10) 5832(10) 5828(10) 5824(10) 5820(10) 5816(10) 5812(10) 5808(10) 5804(10) 5800(10) 5796(10) 5792(10) 5788(10) 5784(10) 5780(10) 5776(10) 5772(10) 5768(10) 5764(10) 5760(10) 5756(10) 5752(10) 5748(10) 5744(10) 5740(10) 5736(10) 5732(10) 5728(10) 5724(10) 5720(10) 5716(10) 5712(10) 5708(10) 5704(10) 5700(10) 5696(10) 5692(10) 5688(10) 5684(10) 5680(10) 5676(10) 5672(10) 5668(10) 5664(10) 5660(10) 5656(10) 5652(10) 5648(10) 5644(10) 5640(10) 5636(10) 5632(10) 5628(10) 5624(10) 5620(10) 5616(10) 5612(10) 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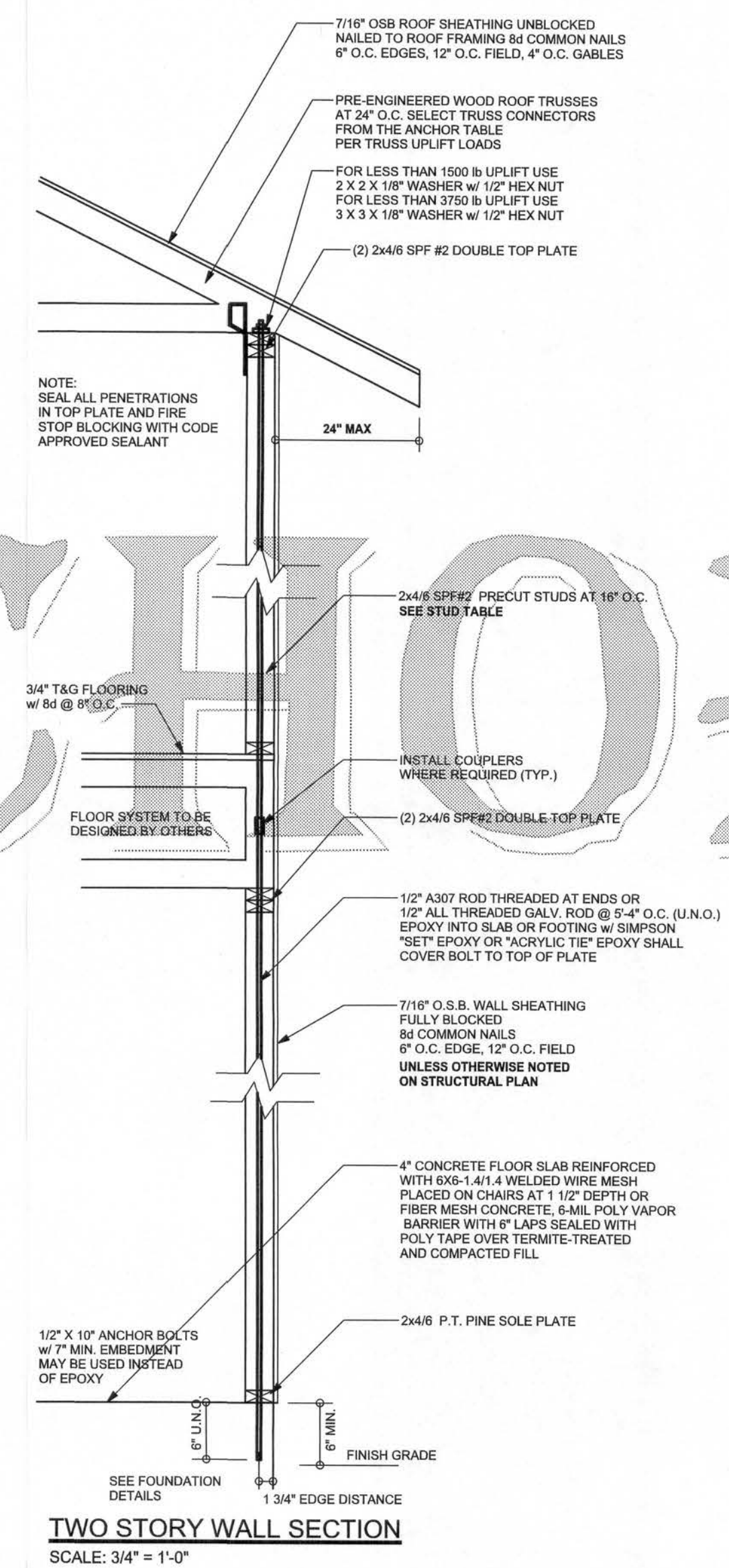
REVISIONS	
7/19/2007	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

NOTE: ALL WOOD IN TOWER IS TO BE PT



SECTION A-A



TWO STORY WALL SECTION
SCALE: 3/4\"/>

WINDLOAD ENGINEER: Mark Disoway,
PE NC53915, PCB 868, Lake City, FL
32056386-754-5419

DIMENSIONS:
State dimensions supercede 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
portion of the plan, relating to wind engineering
comply with section R301.2.1, Florida building
code residential 2004, to the best of my
knowledge.

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

MARK DISOWAY
P.E. 53915
19 JUL 07
SEAL

Michael Byrd

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PRINTED DATE:
July 19, 2007

DRWN BY: Ben Sparks
CHECKED BY:

FINALS DATE:
28/ Jun / 07

JOB NUMBER:
706054

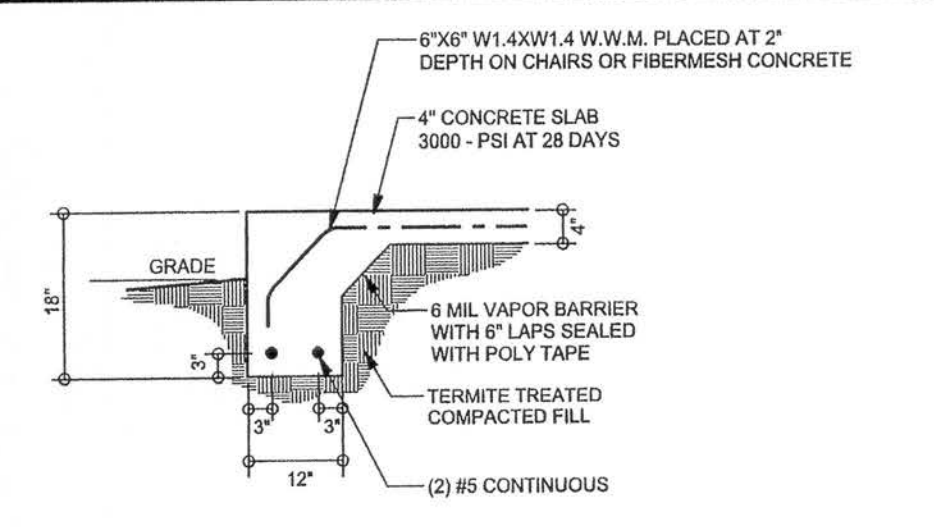
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S-1.2

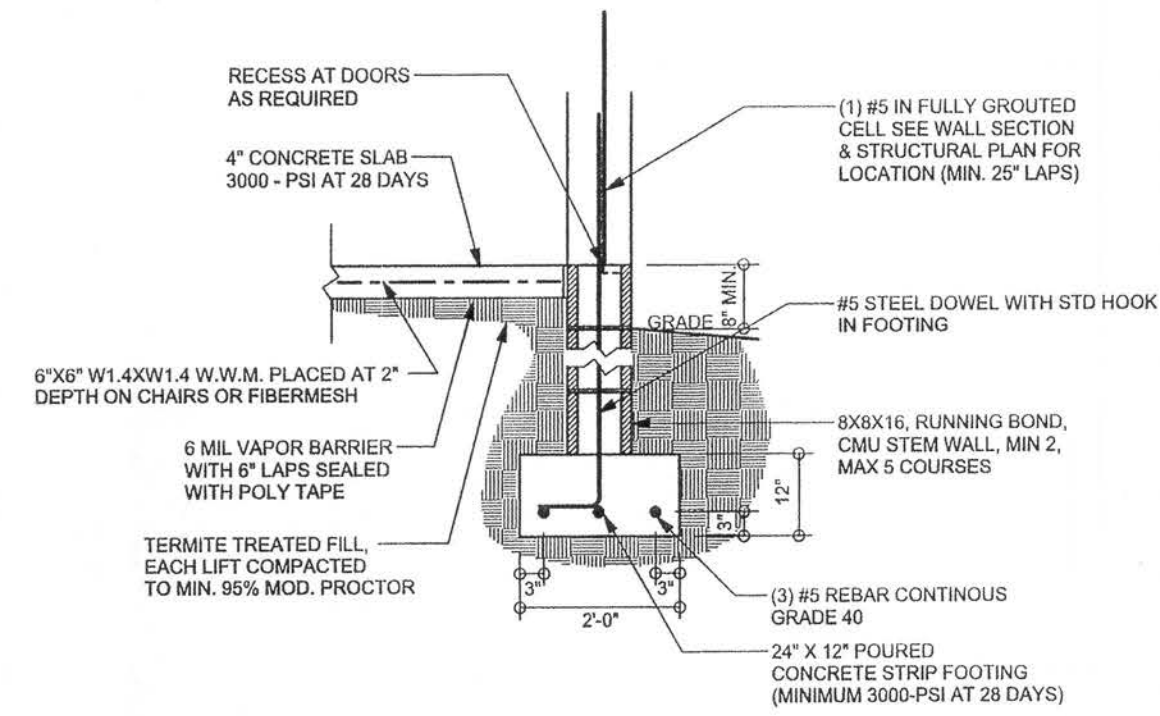
OF 4 SHEETS

REVISIONS	

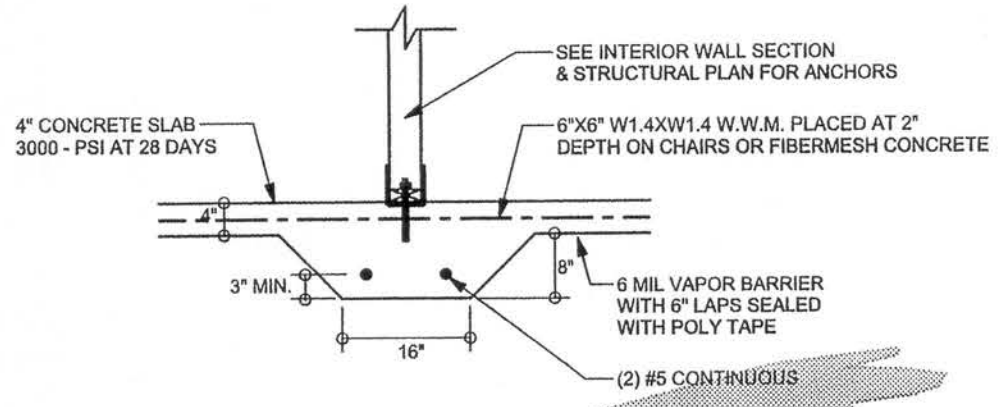
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ARCHITECTURAL DESIGN SOFTWARE



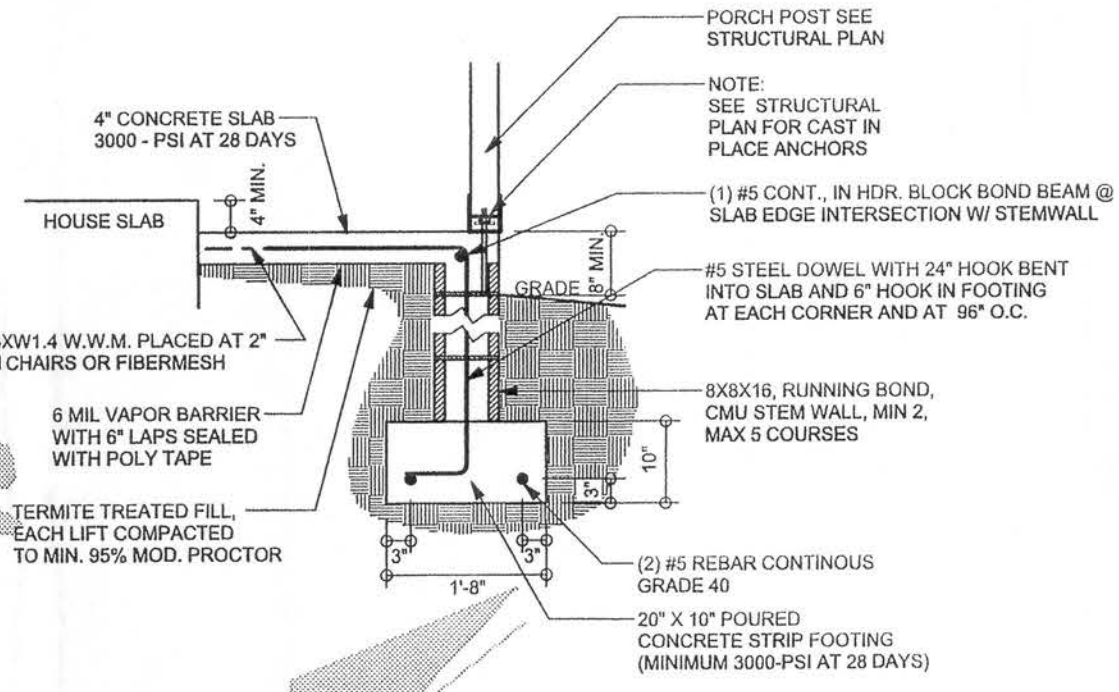
F1 MONOLITHIC FOOTING
SCALE: 1/2" = 1'-0"



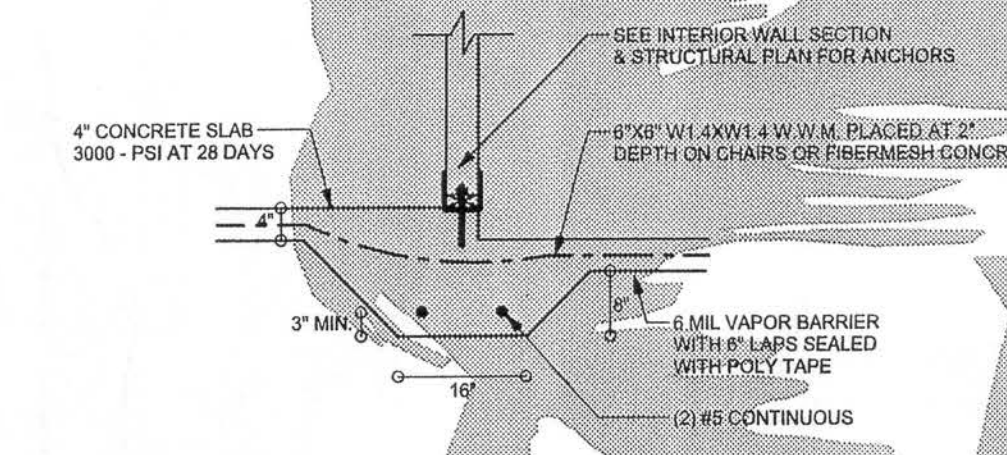
F17 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



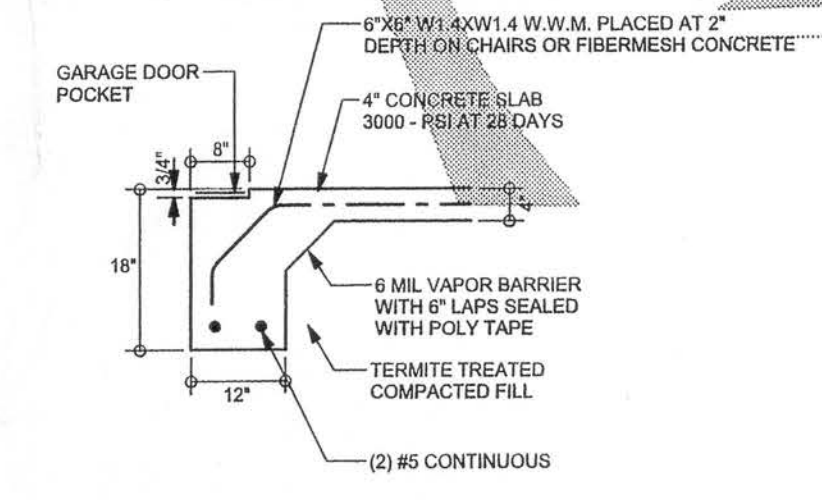
F2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



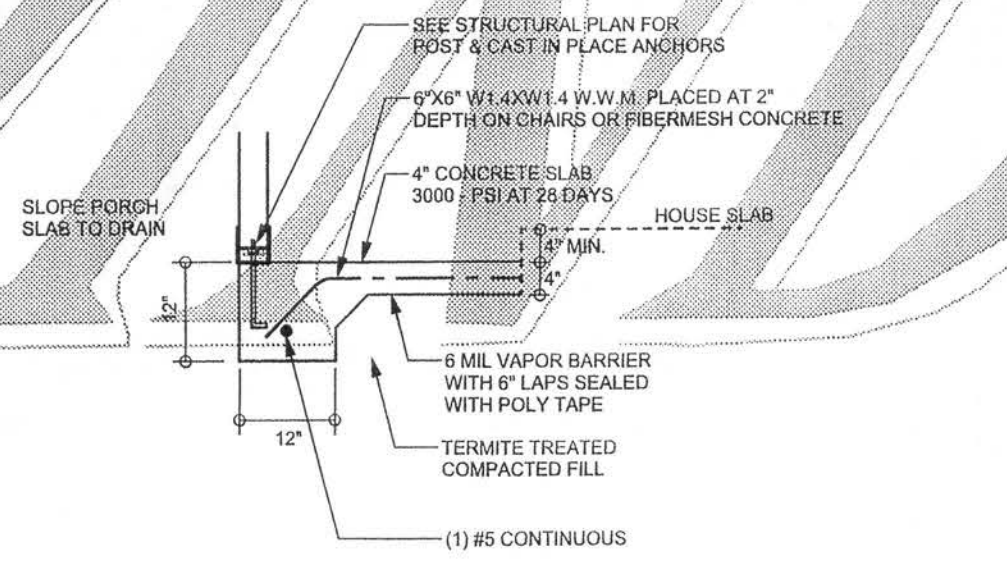
F12 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



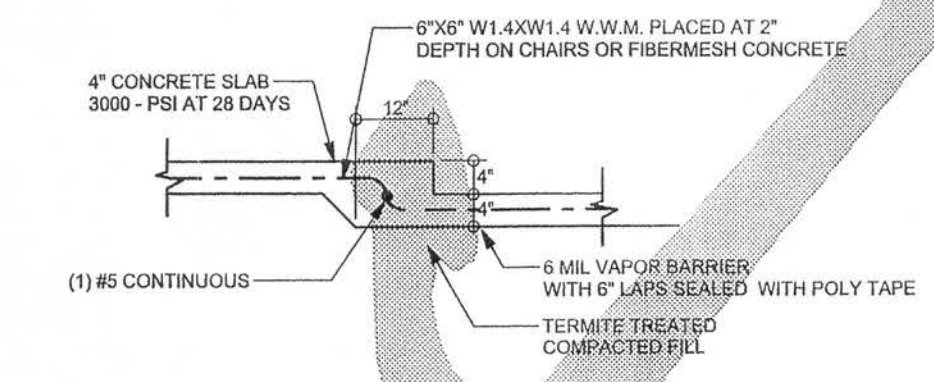
F3 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



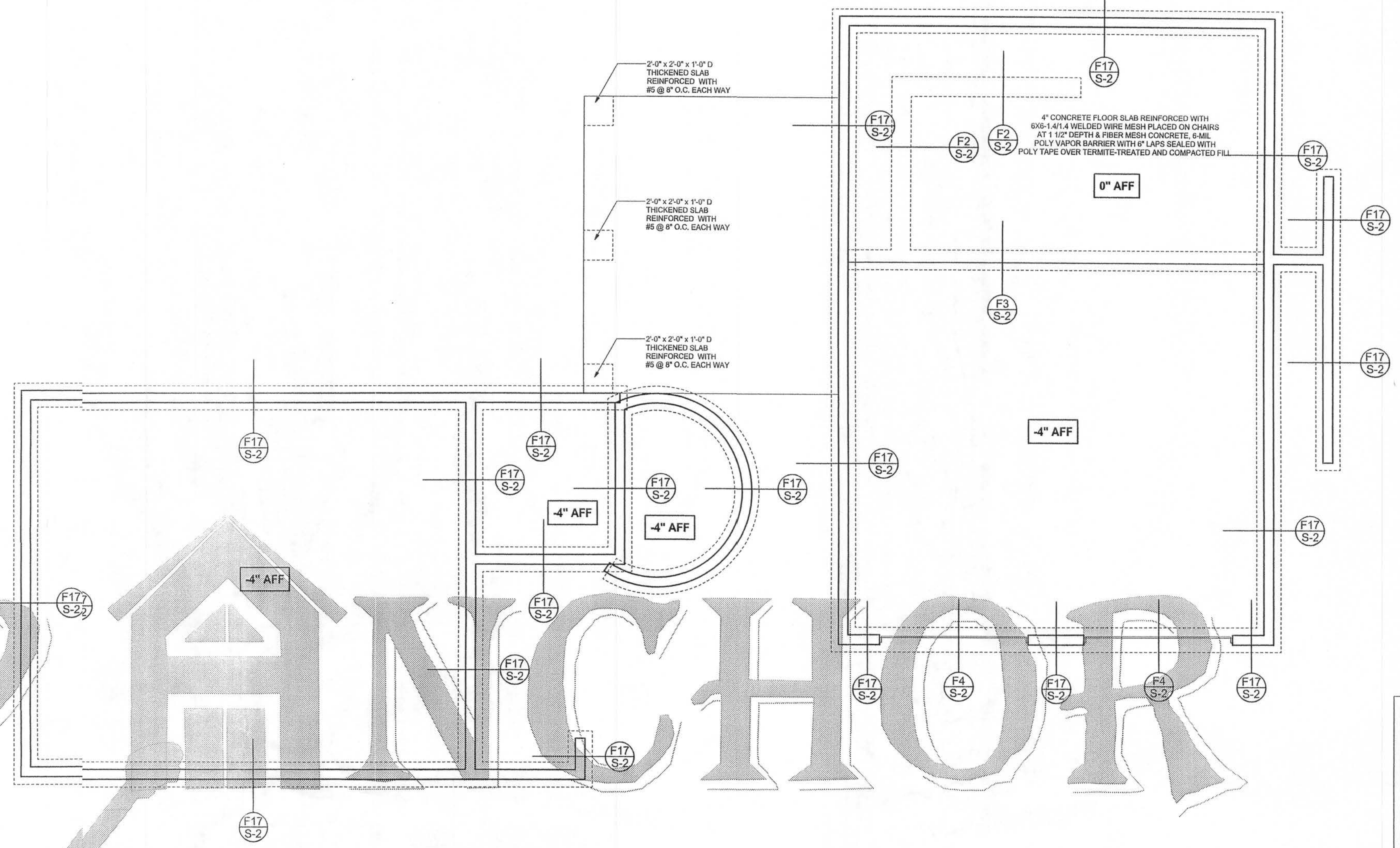
F4 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"



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



F6 TYPICAL NON-BEARING STEP 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

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.

ACI 530.1-02 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 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
2.3 Clay brick standard	ASTM C 216-02, Grade SW, Type FBS, 5.5"x2.75"x11.5"
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 660, 0.60 oz/lb 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/lb 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.

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 F301.2.1, Florida building code residential 2004, to the best of my knowledge.

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

MARK DISOWAY
P.E. 53915
28 JUN 07
SEAL

Michael Byrd

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PRINTED DATE:
June 28, 2007

DRAWN BY: Ben Sparks

CHECKED BY:

FINALS DATE:
28 / Jun / 07

JOB NUMBER:
706054

DRAWING NUMBER

S-2
OF 4 SHEETS

REVISIONS

7/19/2007

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disoway,
P.E. No. 53915, P.O. Box 868, Lake City, FL
32056, 386-754-5419

DIMENSIONS:
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dimensions. Refer all questions to
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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 2004, to the best of my
knowledge.

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

MARK DISOWAY
P.E. 53915

Michael Byrd
SEAL

Michael Byrd

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PRINTED DATE:
July 19, 2007

DRAWN BY: Ben Sparks

CHECKED BY:

FINALS DATE:
28 / Jun / 07

JOB NUMBER:
706054

DRAWING NUMBER

S-3

OF 4 SHEETS

TYPE DESIGNATION

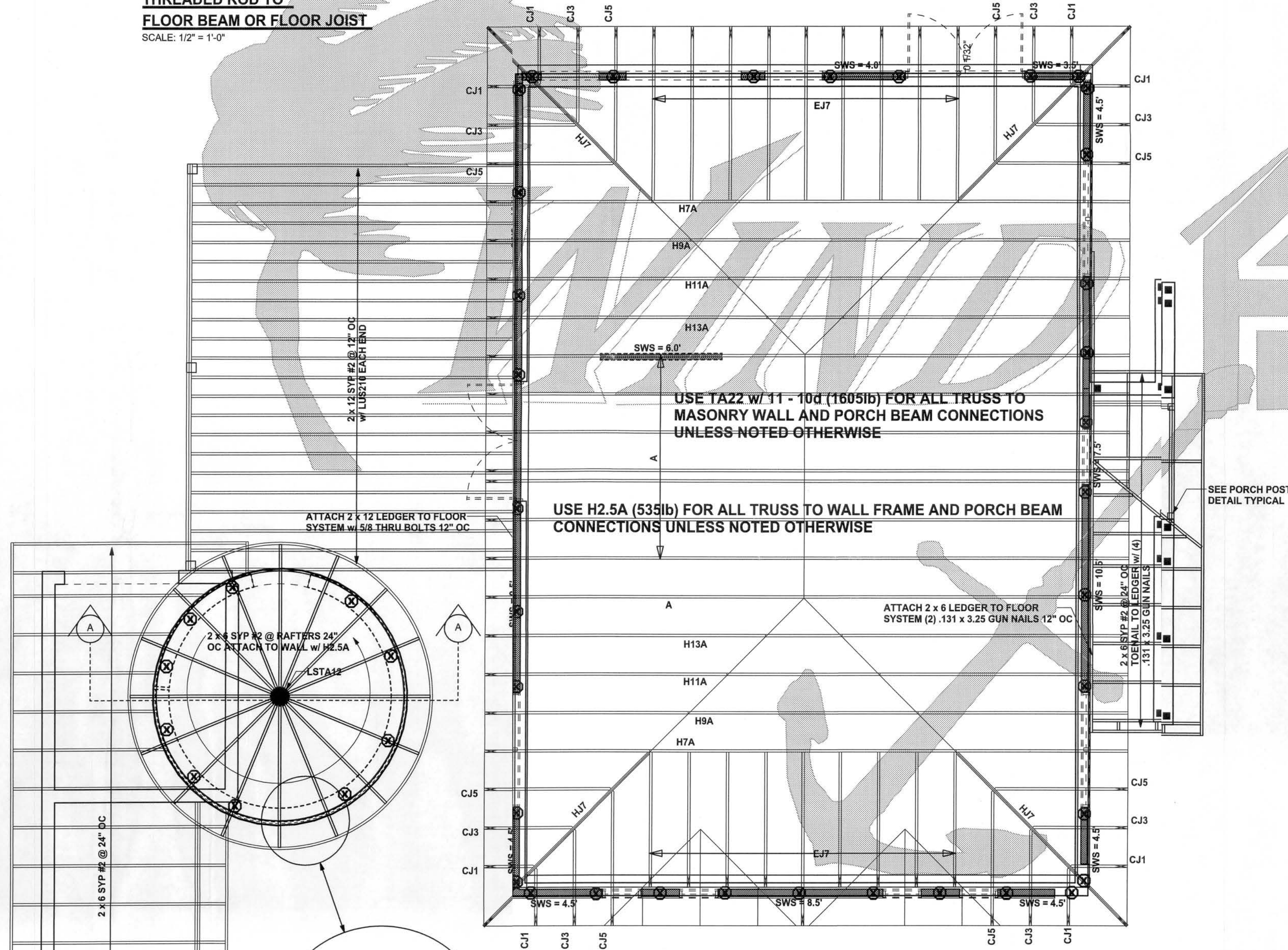
F = FILLED WITH GROUT / U = UNFILLED / S = SOLID
QUANTITY OF #5 FIELD ADDED REBAR AT
BOTTOM OF LINTEL CAVITY
QUANTITY OF #5 FIELD ADDED REBAR AT
TOP MIN. (1) REQ'D

#5 FIELD ADDED REBAR AT
TOP MIN. (1) REQ'D
FIELD PLACED C.M.U.
GROUT
#5 FIELD ADDED REBAR AT
BOTTOM OF LINTEL CAVITY
BOTTOM REINFORCING
PROVIDED IN LINTEL
(SEE REINFORCING SCHEDULE)

1/2" A36 STEEL ALL THREADED ROD
ANCHORING SYSTEM ABOVE
FLOOR BEAM OR
FLOOR JOIST
SECURE THREADED ROD TO BEAM w/
SIMPSON HTT16 w/ 18 - 16d NAILS
1/2" A36 STEEL ALL THREADED ROD
ANCHORING SYSTEM BELOW

THREADED ROD TO
FLOOR BEAM OR FLOOR JOIST

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



STRUCTURAL FLOOR PLAN

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

DOOR & WINDOW BUCK ATTACHMENT

TAPCON IN FACE OF CMU
2 1/2" MIN. EDGE DISTANCE
1 1/4" MIN. EMBEDMENT
3" MIN. SPACING

WINDOWS & DOORS UP TO 8'X8'

3/16" TAPCONS @ 2' O.C.
1/4" TAPCONS @ 3' O.C.

WINDOWS & DOORS UP TO 8'X12'

3/16" TAPCONS @ 16" O.C.
1/4" TAPCONS @ 24" O.C.

SLIDERS UP TO 8'X20'W

3/16" TAPCONS @ 12" O.C.
1/4" TAPCONS @ 18" O.C.

GARAGE DOOR UP TO 10'W

(2) 3/16" TAPCONS & 16" O.C.
(2) 1/4" TAPCONS & 24" O.C.

GARAGE DOOR UP TO 18'W

(2) 3/16" TAPCONS & 8" O.C.
(2) 1/4" TAPCONS & 12" O.C.

CONNECTIONS, WALL, & HEADER DESIGN IS BASED
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING
FURNISHED BY BUILDER, ANDERSON TRUSS CO.
(JOB #7-172)

INDICATES LOCATION OF #5 VERTICAL
DOWEL IN CMU CELL, FILLED SOLID W/
3000 P.S.I. CONC.

INDICATES LOCATION OF (2) #5 VERTICAL
DOWEL IN CMU CELL, FILLED SOLID W/
3000 P.S.I. CONC.

THREADED ROD LEGEND

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

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

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-1-03,
BCSI-8-1, BCSI-8-2, & BCSI-8-3. BCSI-8-1, BCSI-8-2, & BCSI-8-3
ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED
TRUSS PACKAGE

1ST FLOOR TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	22.0'	41.0'
LONGITUDINAL	9.5'	75.5'

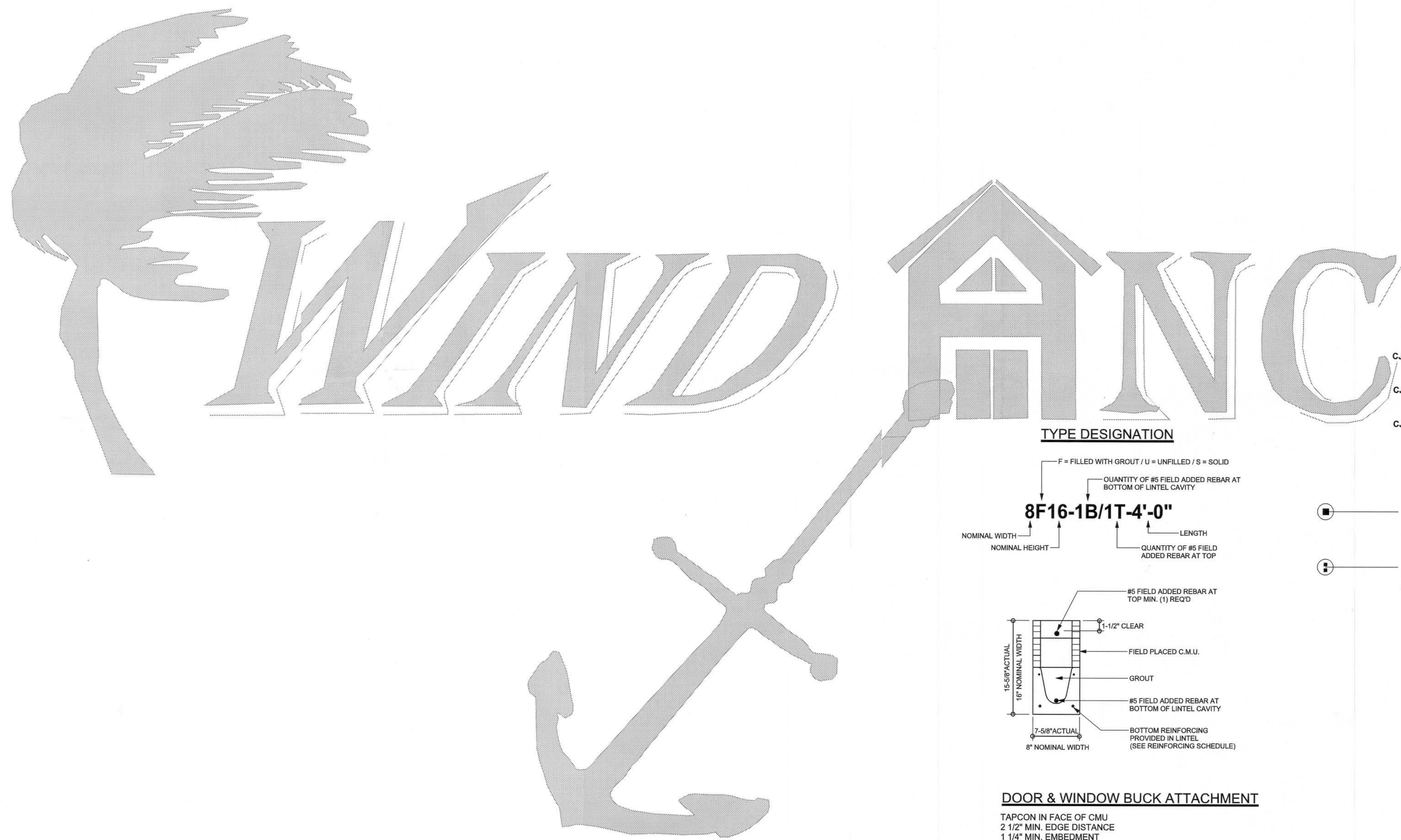
WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

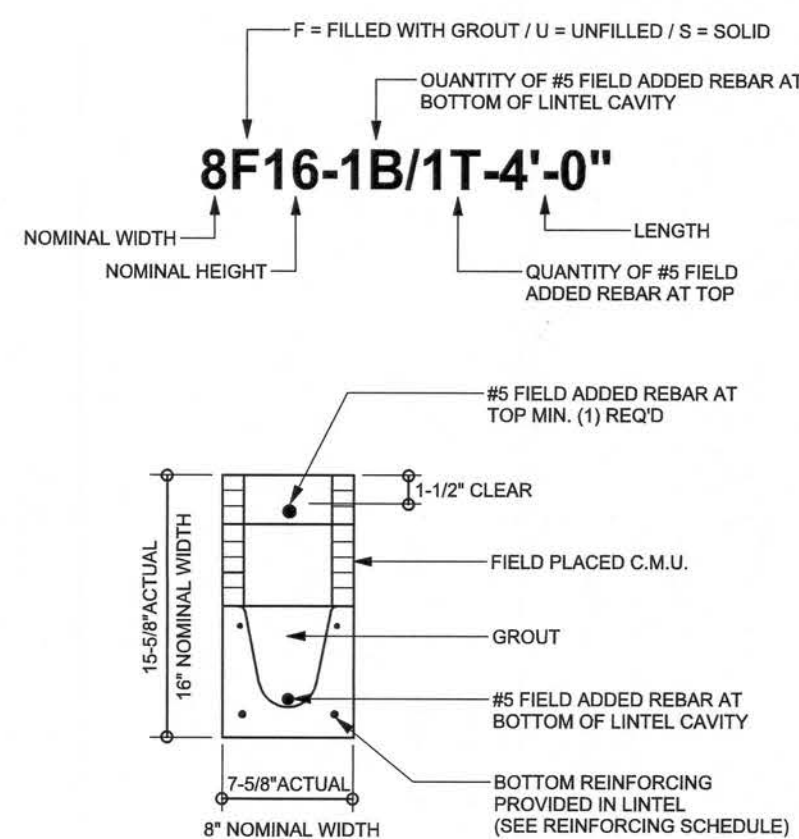
HEADER LEGEND

(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, ANDERSON TRUSS CO.
(JOB #7-172)



TYPE DESIGNATION



DOOR & WINDOW BUCK ATTACHMENT

TAPCON IN FACE OF CMU
2 1/2" MIN. EDGE DISTANCE
1 1/4" MIN. EMBEDMENT
3" MIN. SPACING

WINDOWS & DOORS UP TO 6'X8'

3/16" TAPCONS @ 2' O.C.
1/4" TAPCONS @ 3' O.C.

WINDOWS & DOORS UP TO 8'X12'

3/16" TAPCONS @ 16" O.C.
1/4" TAPCONS @ 24" O.C.

SLIDERS UP TO 8'X20"

3/16" TAPCONS @ 12" O.C.
1/4" TAPCONS @ 18" O.C.

GARAGE DOOR UP TO 10'W

(2) 3/16" TAPCONS @ 16" O.C.
(2) 1/4" TAPCONS @ 24" O.C.

GARAGE DOOR UP TO 18'W

(2) 3/16" TAPCONS @ 8" O.C.
(2) 1/4" TAPCONS @ 12" O.C.

- INDICATES LOCATION OF #5 VERTICAL DOWEL IN CMU CELL, FILLED SOLID W/ 3000 P.S.I. CONC.
- INDICATES LOCATION OF (2) #5 VERTICAL DOWEL IN CMU CELL, FILLED SOLID W/ 3000 P.S.I. CONC.

1ST FLOOR TOTAL SHEAR WALL SEGMENTS

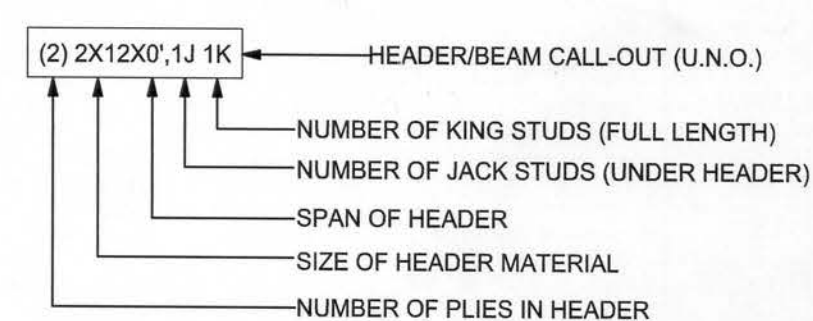
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	22.0'	41.0'
LONGITUDINAL	9.5'	75.5'

WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
IBW	1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1
IBW	2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1

HEADER LEGEND



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 BCS1-03, BCS1-01, BCS1-02, & BCS1-03. BCS1-01, BCS1-02, & BCS1-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, ANDERSON TRUSS CO. (JOB #7-172)

REVISIONS

7/19/2007

09/14/2010

Revised for 1-story

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER: Mark Disosway,
P.E. No. 53915, P.O. Box 888, 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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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 knowledge.

LIMITATION:

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

Michael Byrd

ADDRESS:
336 SW Bonifay Glen,
Ft White, FL 32038

Mark Disosway P.E.
P.O. Box 888
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
September 14, 2010

DRAWN BY:
Ben Sparks

CHECKED BY:

FINALS DATE:
28 / Jun / 07

JOB NUMBER:
706054

DRAWING NUMBER
S-3

OF 4 SHEETS