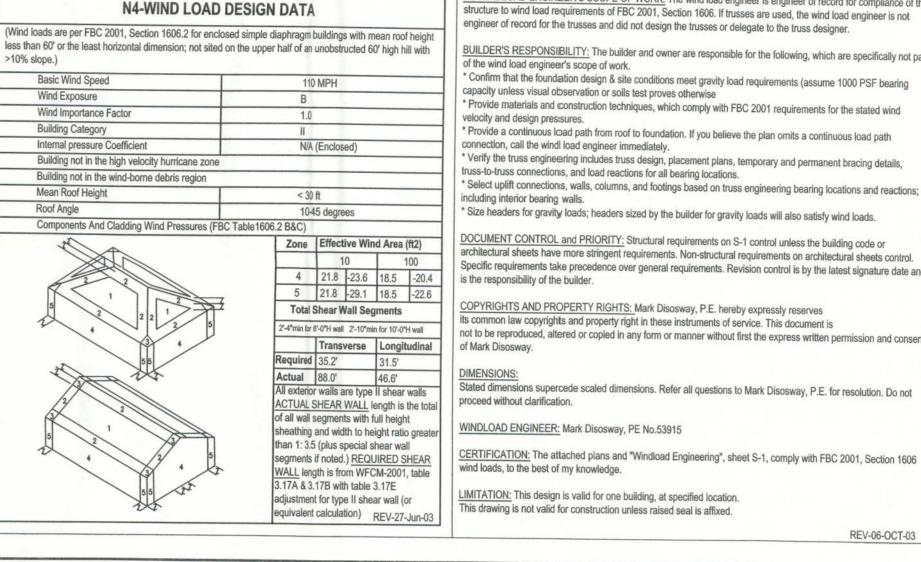


All con SST ca	nectors are stalog to n	re Simpson Strongtie neet truss uplift. Use	, uno. Select top and bott fasteners as specified.	om connections from this table or
Uplift SPF	Uplift	Truss Connector	To Plate	To Truss / Rafter
320	455	H3	4-8d	4-8d
245	350	H5A	3-8d	3-8d
535	600	H2.5A	5-8d	5-8d
620	720	H10	6-10dx11/42"	6-10dx 11/5"
850	990	LTS12	8-8dx11/2""	8-8dx 1½"
1245	1450	HTS20	10-10d or 12-10dx11/2"	10-10d or 12-10dx 11/5"
1265	1470	H16, H16-2	10-10dx1)%"	2-10dx 11/5"
1785	2050	LGT2	14-10d Sirinker	16-16d Sinker
3655	4200	MGT	%" Thd. FRod	22-10d
SPF	SYP	Strap Connector	To Onte Member	To Other Member
760	885	SP4	6-10dx11/2"	N/A
865	1005	CS20	9-8d or 7-110d	9-8d or 7-10d
1085	1265	LSTA18-24	7-10d	7-10d
1170	1360	SPH4	12-10dx11/6"	N/A
420	455	SSP	4-10d	3-10d to double plate or 1-10d to single
600	825	DSP	8-10d	6-10d to double plate or 2-10d to single
1420	1650	CS16	14-8d or 11-10d	14-8d or 11-10d
SPF	SYP	Column Anchor	To Foundation	To Column / Truss
1160	1350	LTT19	%"x 16" AB	8-16d Sinkers
1985	2310	LTTI31	%"x 16" AB	18-10dx 1½"
2385	2775	HD2A	%"x 16" AB	2-1/8" Bolts
3590	4175	HTT16	%"x 16" AB	18-16d
1975	2300	ABU66	%"x 16" AB	12-16d
tuds Supporting Tru 000 lb of reaction. C	sses: The but heck the min	ilder is responsible for gravit mum bearing requirements	y loads, but you should put an ext of the truss and top plate (SPF, F	tra 2x4 stud under truss bearing location for each c=425psi=2230lb/ply).



N3-WINDLOAD ENGINEER'S SCOPE OF WORK: The wind load engineer is engineer of record for compliance of the structure to wind load requirements of FBC 2001, Section 1606. If trusses are used, the wind load engineer is not engineer of record for the trusses and did not design the trusses or delegate to the truss designer.

BUILDER'S RESPONSIBILITY: The builder and owner are responsible for the following, which are specifically not part of the wind load engineer's scope of work. * Confirm that the foundation design & site conditions meet gravity load requirements (assume 1000 PSF bearing capacity unless visual observation or soils test proves otherwise * Provide materials and construction techniques, which comply with FBC 2001 requirements for the stated wind

velocity and design presisures. Provide a continuous load path from roof to foundation. If you believe the plan omits a continuous load path connection, call the windl load engineer immediately.

* Verify the truss engineering includes truss design, placement plans, temporary and permanent bracing details, truss-to-truss connections, and load reactions for all bearing locations. * Select uplift connections, walls, columns, and footings based on truss engineering bearing locations and reactions; including interior bearing walls.

* Size headers for gravity loads; headers sized by the builder for gravity loads will also satisfy wind loads. DOCUMENT CONTROL and PRIORITY: Structural requirements on S-1 control unless the building code or rchitectural sheets have more stringent requirements. Non-structural requirements on architectural sheets control.

Specific requirements take precedence over general requirements. Revision control is by the latest signature date and is the responsibility of the builder. COPYRIGHTS AND PROPERTY RIGHTS: Mark Disosway, P.E. hereby expressly reserves its common law copyrights and property right in these instruments of service. This document is

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

WINDLOAD ENGINEER: Mark Disosway, PE No.53915

CERTIFICATION: The attached plans and "Windload Engineering", sheet S-1, comply with FBC 2001, Section 1606 wind loads, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location. This drawing is not valid for construction unless raised seal is affixed.

N2-GENERAL NOTES:

FOUNDATION: FOR POINT LOADS GRATER THAN 5000 Ib OR REPETITIVE TRUSS LOADS GRATER THAN 2000 Ib PER TRUSS PROVIDE A THICKENED SLAB OR PAD FOOTING 1'-0"D X 1 sq ft. FOR EVERY 1000 Ib OF BEARING REINFORCE WITH #5 @ 8" O.C. EACH WAY

oad Bearing Header Sizing Methods (BY BUILDER)

Jack Studs and King Studs (BY BUILDER)

Header Uplift Connections (BY BUILDER)

dividing by the length of the header.

5. Use one jack stud for every 3000 lb vertical load.

connection) and stud to foundation (bottom connection).

< 800 End nail or toe nail

< 1500 LSTA12, 10-10d

< 1750 LSTA18, 14-10d

w/6-.131"x3.25"

Option # Uplift, lb. Top Connector

lift greater than 3885 lb requires engineering design

Supporting Roof+Ceiling (20psf+20psf

NOTES: NJ = Number of jack studs

width is measured perpendicular to

the ridge. For widths between those

shown, spans may be interpolated.

Spans are based on uniform loads on

required to support each end. Building

Use supplier published data or Southern pine span tables.

3. For engineered lumber beams have suppliers engineer size beam.

4. Lookup jack studs from FBC 2001, Tables 2308.3 A, B, & C, or 2308.5.

Total king plus jack studs = studs needed to be there if no opening was there.

. Calculate the uplift at each end of the header by summing the moments of all truss uplifts and

 <1750</td>
 LSTA18, 14-10d
 1055
 LTT20B, 10-16d ½" AB
 1750

 <2500</td>
 (2) LSTA18, 14-10d
 2110
 LTTI31, 18-10d ½"x10" AB
 2185

 <3885</td>
 (3) LSTA18, 14-10d
 3480
 HTT16, 18-16d, %"x10" AB
 4175

Bottom Connector

(2) SP4, 6-10dx11/2", 1/2" AB 138

SP4, 6-10dx1 1/2"

Header Spans Building Width / Truss Span (ft)

8. Select header connections from table below or mfg. catalog to connect header to stud (top

Determine header size from FBC 2001, Tables 2308.3 A, B, & C, or 2308.5.

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

WELDED WIRE REINFORCED SLAB: 6" 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 LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WITH ASTM C 1116 WHEN REQUESTED BY THE 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 BIE 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 LAPS SPLICES 48 * db (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-95 WITH ACI 315-96 UNLESS NOTED OTHERWISE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 30

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, AINCHORS 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 DRAWING'S BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

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"; NO.

NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

WINDLOAD ENGINEERING

"EVERYTHING YOU NEED FOR YOUR BUILDING PERMIT" Mark Disosway P.E.

POB 868, Lake City, FL 32056 Phone: (386) 754-5419 Fax: (386) 754-6749 Email: windloadengineer@bellsouth.net

Location: Tax ID: 593584678 Columbia County, Florida

Parnell Residence

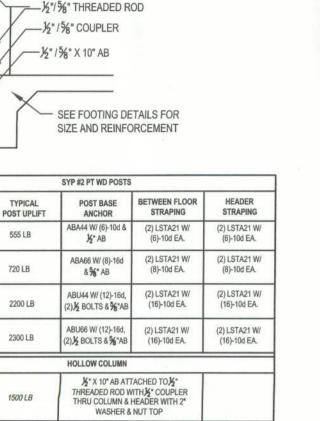
Builder: RB&M Enterprises, Inc.

Designer:

REV-06-OCT-03

Approved: FLPE#53915 evisions: 15Feb06 Sheet S-1 of 5 Sheets

Windload Engineering Job # 507084a



-WD SYP #2 HEADER

W12 - PORCH HEADER ANCHORS

%" X 10" AB ATTACHED TO %"

WASHER & NUT TOP