

WD SYP #2 HEADER

NOTE:
ALL POSTS & HEADERS SYP #2

SELECT STRAPPING PER
UPLIFT FROM TABLE

4x4/6X6 WD SYP #2 PT POST

SELECT POST BASE PER
UPLIFT FROM TABLE

SELECT STRAPPING PER
UPLIFT FROM TABLE

FLOOR SYSTEM
BE DESIGNED BY
OTHERS

SEE FOOTING DETAILS FOR
SIZE AND REINFORCEMENT

2" / 3" WASHER & NUT

LOAD BEARING
HOLLOW COLUMN

WD SYP #2 HEADER

$\frac{1}{2}$ " $\frac{3}{8}$ " THREADED ROD

$\frac{1}{2}$ " $\frac{3}{8}$ " COUPLER

$\frac{1}{2}$ " $\frac{3}{8}$ " X 10" AB

SEE FOOTING DETAILS FOR
SIZE AND REINFORCEMENT

5/16" EPT W/ POSTS				
TYPICAL POST SPEC	POST BASE ANCHOR	BETWEEN FLOOR STRAPPING	HEADER STRAPPING	
550 LB	AB404 W/ (8) 105 & 3/4" A	(2) LST421 W/ (8) 105-10A	(2) LST421 W/ (8) 105-10A	
720 LB	AB406 W/ (8) 160 & 5/8" A	(2) LST421 W/ (8) 160-10A	(2) LST421 W/ (8) 160-10A	
2200 LB	AB404 W/ (12) 164 & (12) BOLTS 3/4" A	(2) LST421 W/ (16) 160-10A	(2) LST421 W/ (16) 160-10A	
2300 LB	AB406 W/ (12) 165 & (12) BOLTS 3/4" A	(2) LST421 W/ (16) 160-10A	(2) LST421 W/ (16) 160-10A	
HOLLOW COLUMN				
1500 LB	X" X" X" AB ATTACHED TO TOP THREADED ROD WITH 3" COUPLER THRU COLUMN & HEDERS WITH 2" WASHER & NUT TOP			
2300 LB	X" X" X" AB ATTACHED TO TOP THREADED ROD WITH 3" COUPLER THRU COLUMN & HEDERS WITH 3" WASHER & NUT TOP			

SEE WALL SECTIONS

6"x6"W1 4XW1 4 W.W.M.
PLACED @ 2' DEPTH ON
CHAIRS OR FIBERMESH

4" CONCRETE SLAB 2500
-FSI @ 28 DAYS

6 MIL VAPOR
BARRIER W/ 6"
LAPS SEALED W/ TAPE

TERMITE
TREATED FILL, EA.
LIFT COMPACTED
TO MIN 95% MOD.
PROCTOR

(1) 95% CONT., IN HOR. BLOCK
BOND BEAM @ SLAB EDGE
INTERSECTION W/ STEMMALL

APPROXIMATE
FRESH GRADE

(1) 95% STEEL DOWEL
W/2"x6" HOOK BENT INTO
SLAB AND 6" HOOK AT
FOOTING TIED TO
FOOTING STEEL AND TO
BOND BEAM STEEL @
EA. CORNER AT 90° OC

12" MIN

10"

1'-8"

8x16x16, RUNNING
BOND CMU STEM WALL,
MIN 2, MAX 5 COURSES

(2) 95% CONTINUOUS

Garage door pocket

8"

6" ϕ W x 14" D w/w m. PLACED @ 2" DEPTH ON CHAIRS OR FIBERMESH

4" CONCRETE SLAB 2500 - PSI @ 28 DAYS

6 MIL VAPOR BARRIER W/ 6 MIL LAPS SEALED W/ POLY TAPE

1'-0"

1'-0"

TERMITE TREATED FILL, EA. SALT COMPACTED TO MIN 95% MOD. PROCTOR

(2) #5 CONTINUOUS

Technical drawings illustrating two methods for attaching a column to a wall.

Top Drawing (Side View):

- SYP #2 | HIDER
- (4) #10X2 1/2" FULL THREAD WOOD SCREWS MIN. 2" THREAD PENETRATIO MIN. 3/8" EDGE SPACING PER NDS
- (4) #12X3/4" SS TEK SCREWS
- 1/8"X3/4"X1/2" ALUMINUM BRACKET W/ FLANGE WINGS
- 3"X3"X.082" ALUMINUM COLUMN, 6053-T6

Bottom Drawing (Cross Section):

- 3"X3"X.082" ALUMINUM COLUMN, 6053-T6
- 1/8"X3/4"X1/2" ALUMINUM BRACKET 6053-T6
- 1/2" WASHER, 410SS
- (4) #12X3/4" SS TEK SCREWS
- 1/2" THD ROD, G60 OR HDG W/ SIMPSON AT EPOXY
- 4 1/4" MIN. EMBEDMENT IN CMU STEEWALL
- 1 3/4" MIN. EDGE SPACING

Technical drawing of a foundation cross-section showing a footing, slab, and wall with various reinforcement and construction details. The drawing includes the following labels and dimensions:

- POST BASE SEE W12**: Points to the top of the wall.
- WD PT POST**: Points to a vertical post on the left side of the wall.
- (1) #6 CONT. IN HOR. EDGE OF BEAM @ SLAB EDGE INTERSECTION W/ STEM WALL**: Points to horizontal reinforcement in the beam.
- APPROXIMATE FINISH GRADE**: Indicated by a dashed line.
- 4" CONCRETE SLAB 2500 - PSI @ 28 DAYS**: Points to the top slab.
- HOUSE SLAB**: Points to the bottom slab.
- 6 MIL VAPOR BARRIER W/ 1" LAPS SEALED W/ POLY TAP**: Points to the vapor barrier between the slabs.
- TERMITE TREATED FILL, EA. LIFT COMPACTED TO MIN 95% MOD. PROCTOR**: Points to the fill material between the slabs.
- 20"X12" POURED CONCRETE STRIP FOOTING**: Points to the bottom foundation strip.
- (2) #5 CONTINUOUS**: Points to vertical reinforcement in the footing.
- 10"**: Vertical dimension for the footing height.
- 1'-8"**: Horizontal dimension for the footing width.
- 8x16x16 RUNNING BOND CMU STEM WALL MIN 1 MAX 5 COURSES**: Points to the concrete masonry unit wall.

6"6 MIL W/1 AXW/1 4 W.W.M. PLACED @ 2' DEPTH ON CHAIRS OR FIBERGLASS

4" CONCRETE SLAB 2500 - PSI @ 28 DAYS

HOUSE SLAB

6 MIL VAPOR BARRIER W/ 6" LAP'S SEALED W/ POLY TAPE

TERMITE TREATED FILL, EA. LIFT COMPACTED TO MIN 95% MOD. PROCTOR

(1) 6" CONTINUOUS

1'-0"

1'-0"

SLOPE PORCH SLAB TO DRAIN

2X4 OUTRIGGER @ 48" OC. _____

BLOCKING REQUIRED BETWEEN OUTRIGGERS _____

2X4 BLOCKING @ SHEATHING JOINT 4' FROM GABLE END _____

2X4 SCAB CONT. TOP TO BOTTOM
CHORDING 8' FROM GABLE _____

NOTE: ALL MEM _____

4 - 10d NAILS OR 4 -
131"x3.25" TYPICAL AT
ALL CONNECTIONS _____

2X4 SCAB IF VERT.
WEB IS NOT PRESENT _____

CONT. 2X4X8 #2 SYP
LATERAL BRACE @ 48"
OC. _____

2X4 BLOCKING @ 48" OC.
BETWEEN GABLE AND
FIRST TRUSS. _____

2X4 X-BRACE @ _____

W10 - TYPICAL GABLE

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

Header Span vs Load

Header Span vs Load

Roof and Ceiling Load (lb/ft²)

Header Clear Span Between Supports (ft)

GLB 1.5 ft x 14 ft
LVL 3 ft x 17 ft
2x12 @ 24 in
2x10 @ 24 in

Header Span (ft)	GLB 1.5 ft x 14 ft (lb/ft²)	LVL 3 ft x 17 ft (lb/ft²)	2x12 @ 24 in (lb/ft²)	2x10 @ 24 in (lb/ft²)
3	1100	1000	900	800
4	1000	900	800	700
5	900	800	700	600
6	800	700	600	500
7	700	600	500	400
8	600	500	400	300
9	500	400	300	200
10	400	300	200	100
11	300	200	100	0
12	200	100	0	0
13	100	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0

Truss Design Loadings: $L_{\text{ft}} = 20\text{plf}$, $D_{\text{ft}} = 20\text{plf}$

	250	400	600	800	1000	1200
Jack Truss	Half of 5' truss span + 24" overhang	Half of 6' truss span + 24" overhang	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang	Half of 10' truss span + 24" overhang
Roof or ceiling	Half of 4' truss span + 24" overhang	Half of 5' truss span + 24" overhang	Half of 6' truss span + 24" overhang	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang
Roofing with 24"	Half of 4' truss span + 24" overhang	Half of 5' truss span + 24" overhang	Half of 6' truss span + 24" overhang	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang
Main truss width, 32"	Half of 5' truss span + 24" overhang	Half of 6' truss span + 24" overhang	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang	Half of 10' truss span + 24" overhang
Main truss width, 40"	Half of 6' truss span + 24" overhang	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang	Half of 10' truss span + 24" overhang	Half of 11' truss span + 24" overhang
Main truss width, 48"	Half of 7' truss span + 24" overhang	Half of 8' truss span + 24" overhang	Half of 9' truss span + 24" overhang	Half of 10' truss span + 24" overhang	Half of 11' truss span + 24" overhang	Half of 12' truss span + 24" overhang
Bonus Room, above garage	Half of 2 1/2' truss span and 1 1/4' bonus room	Half of 3' truss span and 1 1/4' bonus room	Half of 3 1/2' truss span and 1 1/4' bonus room	Half of 4' truss span and 1 1/4' bonus room	Half of 4 1/2' truss span and 1 1/4' bonus room	Half of 5' truss span and 1 1/4' bonus room

Notes:

- Collection Items: $L_{\text{ft}}/D_{\text{ft}}$, $L_{\text{ft}}/D_{\text{ft}}$
- Duration Factor: $C_d = 1.25$, applied to P_{ft} and P_{ft} (the increase to E or F_{ft} for duration of load)
- 2x headers are 2x10s with 2x6s from bottom and 2" total 9" RC, strength increased 5% to 2x10s
- 3 1/2" x 12" GLB is Anthony Power Header, 2500 P/F, 19 G or GP (11) 7/8" LVL, 2500 P/F, 2.0 E
- 3 1/2" x 12" LVL is Blue Line, 2500 P/F, 19 G or GP (11) 7/8" LVL, 2500 P/F, 2.0 E
- Maximum bearing for 3 1/2" header, F_{ft} is 2500, 2500 to per jack stud for 3 1/2" plate, E_{ft} is 4250, 2000 to per
- Stronger than increased 50% to minimal spans and checks headers and deck sizes on site.
- Deflection not been calculated for cover due to long term loading. $K_{\text{ft}} = 10$
- The chart is based on NCS2001 loading, horizontal shear, and deflection requirements.
- Chart is to confirm loads only.
- For non-uniform loads run the loads on the header, spans for header, span, and multiply by 2.

W71 - Header Spans for Roof/Ceiling Load

PRE-ENGINEERED WOOD ROOF
TRUSSES @ 24" O.C. SELECT
TRUSS CONNECTORS FROM
ANCHOR TABLE PER TRUSS
UPLIFT LOADS

1/2" X 6" WEDGE ANCHORS
SPACING PER TABLE

4" CONCRETE SLAB 2500 -
PSI AT 28 DAYS

2X4 / 2X6 STUDS AT 16" OC. SPF #2

STRAP STUDS TOP AND BOTTOM
SP4 / SPS SPACING PER TABLE

NOTE: SP2 TOP & SP1 BOTTOM
ALTERNATE FOR SP4S

6"X6" W1.4XW1.4 W.W.M.
PLACED AT 2" DEPTH ON
CHAIRS OR FIBERMESH

6 MIL VAPOR BARRIER
WITH 6 MIL LAPS SEALED
WITH POLY TAPE

TERMITE TREATED FILL
EACH LIFT COMPACTED
TO MIN. 95% MOD.
PROCTOR

(2) #5 CONTINUOUS

1'-4"

TYPICAL TRUSS UPLIFT	WEDGE ANCHOR SPACING	SP4 / SPS SPACING	TRUSS CONNECTOR
400 LB	48" O.C.	48" O.C.	H2.5A
800 LB	48" O.C.	32" O.C.	H10
1000 LB	32" O.C.	16" O.C.	HT50
2200 LB	LT7011 W/ 96" X 1" WEDGE ANCHOR	N/A	(2) H10S NEEDED TO STUD PACK

PRE-ENGINEERED WOOD ROOF TRUSSES @ 24" O.C. SELECT TRUSS CONNECTORS FROM ANCHOR TABLE PER TRUSS UPLIFT LOADS

1/2" X 6" WEDGE ANCHORS SPACING PER TABLE

4" CONCRETE SLAB 2500 - PSI AT 28 DAYS

(2) #5 CONTINUOUS

2X4 / 2X6 STUDS AT 16" OC. SPF #2

STRAP STUDS TOP AND BOTTOM

W/ SP4 / SPR SPACING PER TABLE
NOTE: SP2 TOP & SP1 BOTTOM ALTERNATE FOR SP4#

6"X6" W/ 4XW1 4 W.W.M.I. PLACED AT 2' DEPTH ON CHAIRS OR FIBERMESH

6 MIL VAPOR BARRIER WITH 16" LAPS SEAL WITH POLY TAPE

TERMITE TREAT FILL EACH LIFT COMPACTED TO MIN. 95% MOD. PROCTOR

TYPICAL TRUSS UPLIFT	WEDGE ANCHOR SPACING	SP4 / SPR SPACING	TRUSS CONNECTOR
400 LB	48" O.C.	48" O.C.	H25A
600 LB	48" O.C.	32" O.C.	H10
800 LB	32" O.C.	19" O.C.	H12SD
2200 LB	LTTD W/ 56" S.P. WEDGE ANCHOR	N/A	(2) HT10 NAILED TO STUD TRACK

7/16" STRUCTURAL ROOF SHEATHING

2X4 BARGE RAFTER CONT.

131 X 34" NAILS

1/2" BALL BEY

CONT. 2X4 SCAB FROM TOP TO BOTTOM CHORD @ X-BRACING PROVIDE ADDITIONAL 2X4'S @ VERTICAL IF HIGHER THAN 48" TO FORM AN "L" SHAPE.

HURRICANE CLIP H2.5 OR EQUAL 48" OC.

TOP CHORD OF GABLE END TRUSS DROP 3 1/2"

TOE NAIL TRUSS TO DOUBLE PLATE w/ 16d COM @ 8" OC.

BOTTOM CHORD OF GABLE END TRUSS

(2) 2X4 TOP PLATE

SIMPSON LSTA 24 @ 48" OC.

SEE DETAIL W1

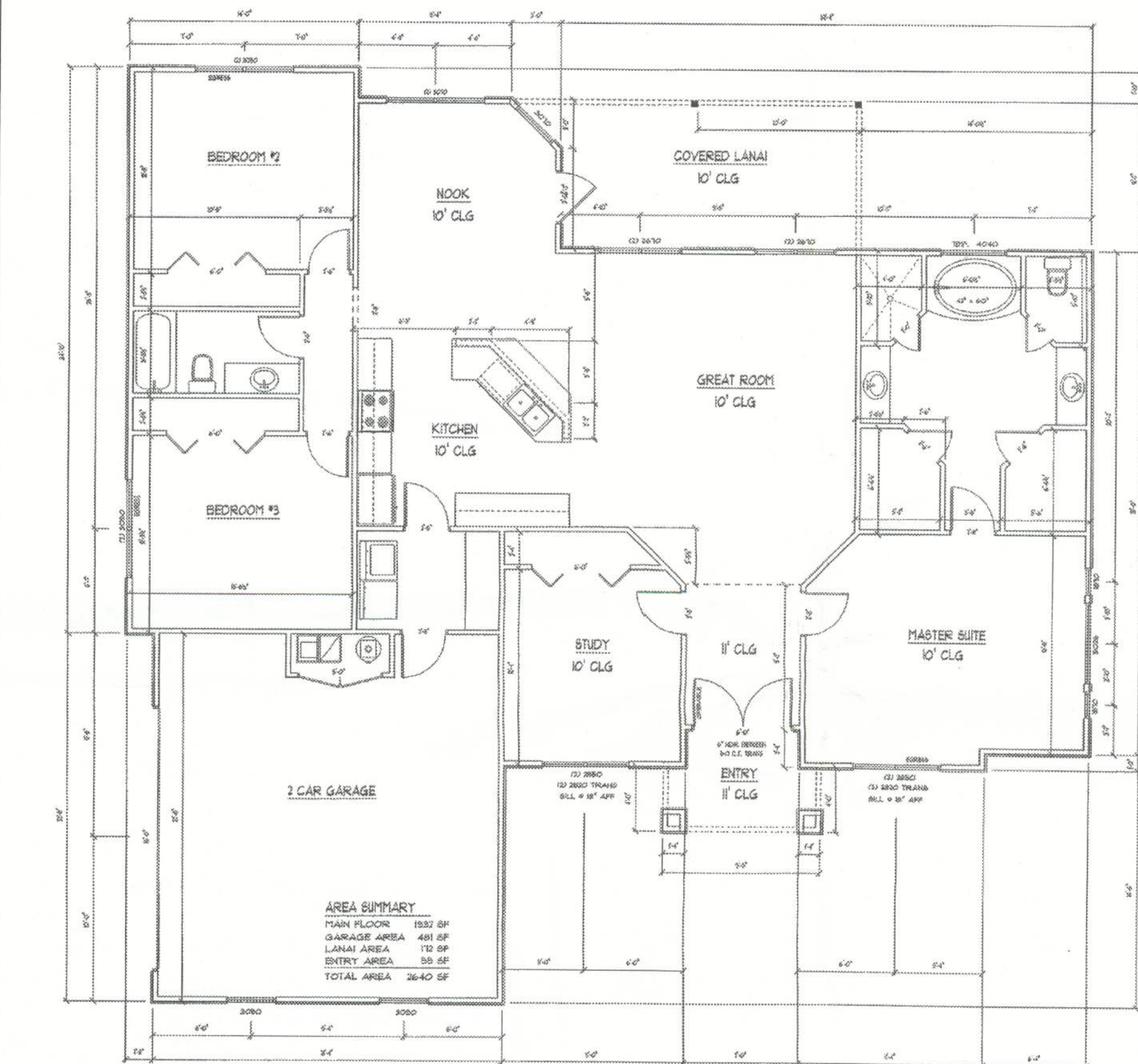
0" O.C.

D (X-BRACING)



N5 - TRUSS UPLIFT CONNECTOR TABLE REV-25-AUG-03

All connectors are Simpson Strongtie, Inc. See fastener and bottom connections from this table or SST catalog to meet truss uplift. Use selections as specified.

Uplift SPF	Uplift SYP	Truss Connector	To Plate	To Truss / Rafter
320	455	H3	4-8d	4-8d
245	350	H5A	3-8d	3-8d

[illegible]

N4-WIND LOAD DESIGN DATA					

Wind loads are per FBC 2007, Section 1606.2 for enclosed single diaphragm buildings with mean roof height less than 60' or the least horizontal dimension, not sited on the upper half of an unobstructed 60' high hill with >10% slope)																			
Basic Wind Speed	100 MPH																		
Wind Exposure	B																		
Wind Importance Factor	1.0																		
Building Category	II																		
Internal pressure Coefficient	N/A (Enclosed)																		
Building not in the high velocity hurricane zone																			
Building not in the wind-torn debris region																			
Mean Roof Height	< 30 ft																		
Roof Angle	10-45 degrees																		
Components And Cladding Wind Pressures (FBC Table 1606.2.6B,C)																			
	<table><tr><td></td><td colspan="2">Zone</td></tr><tr><td></td><td colspan="2">Effective Wind Area (ft²)</td></tr><tr><td></td><td>10</td><td>100</td></tr><tr><td>4</td><td>21.8</td><td>32.6</td></tr><tr><td>5</td><td>21.8</td><td>32.6</td></tr><tr><td>6</td><td>21.8</td><td>32.6</td></tr></table>		Zone			Effective Wind Area (ft ²)			10	100	4	21.8	32.6	5	21.8	32.6	6	21.8	32.6
	Zone																		
	Effective Wind Area (ft ²)																		
	10	100																	
4	21.8	32.6																	
5	21.8	32.6																	
6	21.8	32.6																	
Total Shear Wall Segments																			
	<table><tr><td></td><td colspan="2">Transverse</td><td colspan="2">Longitudinal</td></tr><tr><td>Required</td><td>34.5'</td><td>31.5'</td><td>31.5'</td><td>31.5'</td></tr><tr><td>Actual</td><td>66.5'</td><td>59.2'</td><td></td><td></td></tr></table>		Transverse		Longitudinal		Required	34.5'	31.5'	31.5'	31.5'	Actual	66.5'	59.2'					
	Transverse		Longitudinal																
Required	34.5'	31.5'	31.5'	31.5'															
Actual	66.5'	59.2'																	
																			
																			
<p>All exterior walls are type 1 shear walls ACTUAL SHEAR WALL length is the total of all wall segments with full height sheathing and not to height ratio greater than 1: 3.5 (plus special shear wall segments if noted) REQUIRED SHEAR WALL length is from WFCM-2001, table 317A & 317B with table 3.17E adjustment for type 1 shear wall (or equivalent calculation) REV-27-10-00</p>																			

3. WINDLOAD ENGINEER'S SCOPE OF WORK:

The wind load engineer is engineer of record for compliance of all documents 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 pressures.
- * Provide a continuous load path from roof to foundation. If you believe the plan omits a continuous load path connection, call the wind engineer immediately.
- * Verify the truss engineering includes truss design, placement plans, temporary and permanent bracing details, tie-to-tie connections, and load reactions for all bearing locations.
- * Select cupped 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 architectural sheets have more stringent requirements. Non-structural requirements on architectural sheets control. Specific requirements take precedence over general requirements. Revision control by the latest signature date and is the responsibility of the builder.

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DIMENSIONS:

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

WINDLOAD ENGINEER:

Mark Discoway, PE No.53915

CERTIFICATION:

The attached plans and "Windload Engineer" 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.

Learn Beam Header Sizing Methods (BULBDE) (BULBDE)

1. Determine header size from FBC2001, Tables 2303.A, B, & C, 2305.5.
2. Use supplier published data or Southern pine span tables.
3. For engineered lumber beams have engineers engineer size beam.
4. Jack Studs (BULBDE) (BULBDE)
4. Lookup jack studs from FBC2001, Tables 2303.A, B, & C, 2305.5.
5. Use one jack stud for every 3000 v vertical load.
6. Total Jack plus jack studs needed to be there if not opening was there.
7. Header Used Connections (BULBDE) (BULBDE)
7. Calculate the uplift at each end of the header by summing the moments of all truss supports at dividing by the length of the header.
8. Select header connections from table below and r/cfg. calculating to connect to truss support (top connection) and stud to foundation (bottom connection).

Option #	Uplift, lb	Top Connector	Bottom Connector
#1	800	End nail or bolt w/c 2x12	SPA, 6-10x12's
#2	1500	12x12 LSTA12 10x12	690
#3	1750	LSTA12 10x12	755
#4	2150	LSTA12 10x14	1055
#5	2300	LSTA16 10x14	1105
#6	3885	LSTA16 10x14	1430
#7	3885	LSTA16 10x14	1430
#8	3885	LSTA16 10x14	1430
#9	3885	LSTA16 10x14	1430
#10	3885	LSTA16 10x14	1430
#11	3885	LSTA16 10x14	1430
#12	3885	LSTA16 10x14	1430
#13	3885	LSTA16 10x14	1430
#14	3885	LSTA16 10x14	1430
#15	3885	LSTA16 10x14	1430
#16	3885	LSTA16 10x14	1430
#17	3885	LSTA16 10x14	1430
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#43	3885	LSTA16 10x14	1430
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#72	3885	LSTA16 10x14	1430
#73	3885	LSTA16 10x14	1430
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#75	3885	LSTA16 10x14	1430
#76	3885	LSTA16 10x14	1430
#77	3885	LSTA16 10x14	1430
#78	3885	LSTA16 10x14	1430
#79	3885	LSTA16 10x14	1430
#80	3885	LSTA16 10x14	1430
#81	3885	LSTA16 10x14	1430
#82	3885	LSTA16 10x14	1430
#83	3885	LSTA16 10x14	1430

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 SERVICEABILITY 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 BE 12FT. DO NOT CUT W/M 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 40, DEFORMED BARS, FY = 40 KSI. ALL LAPS SPLICES 40 * DB (25" 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 23 INCHES.

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 NOT LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; NO.

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

REV-22-AUG-03

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Mark Disosway P.E.
POB 868, Lake City, FL 32056 Phone: (386) 754-5419

Fax: (386) 269-4871 Email: windloadengineer@bellsouth.net

The Nathan 4 Bed
Lot 36 Wice Estates S/D

Bill Felt

Builder: EWpi, Inc.

Designer: DDS

2000

Sheet S-1 of 2 Sheets
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