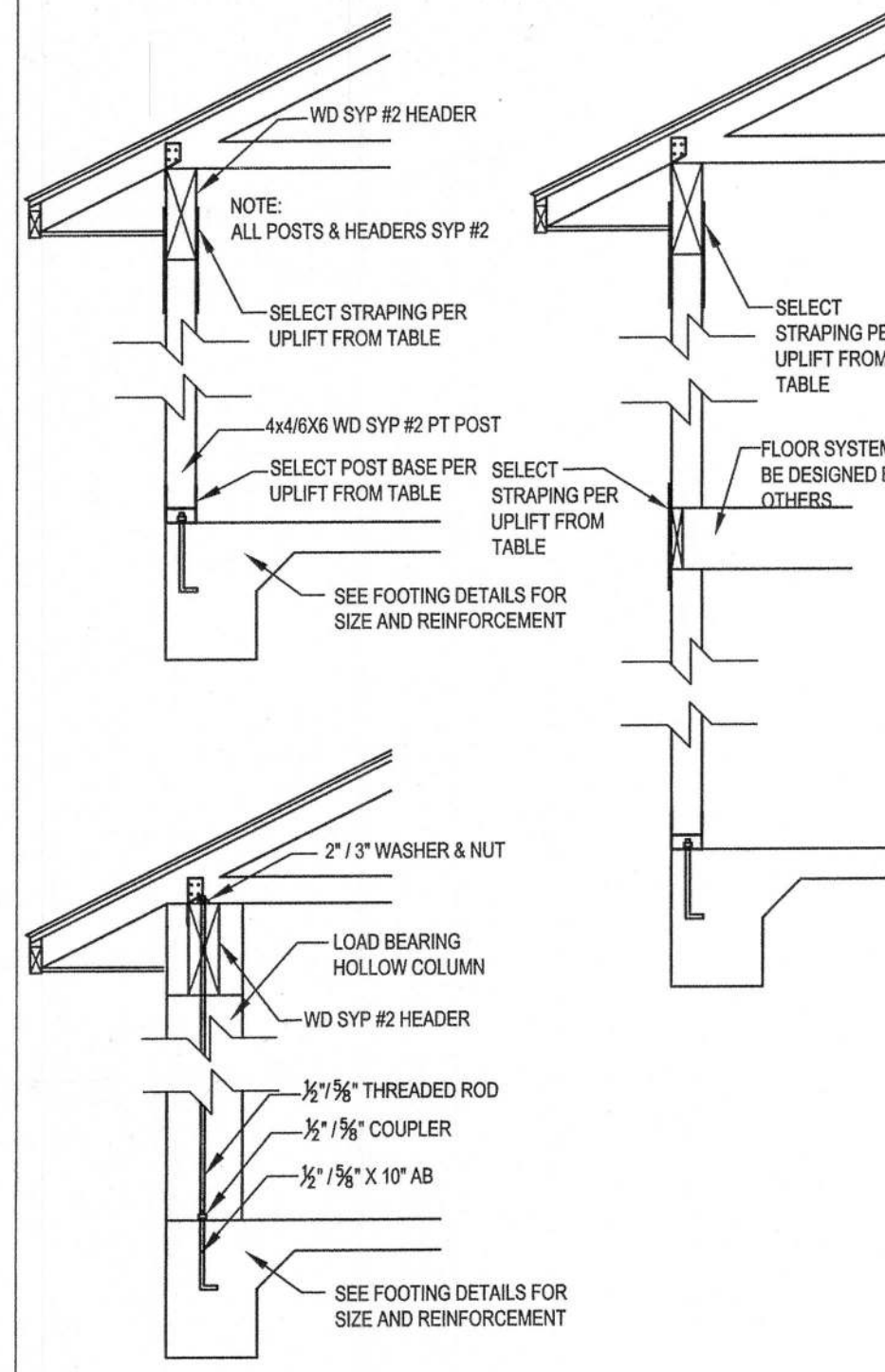


STUD ANCHOR TABLE			
TYPICAL TRUSS UPLIFT & MAX 16" WALL HEIGHT	ANCHOR BOLT SPACING	SP4 / SPS SPACING	ALTERNATE STRAPPING SPACING
770 LB	48" O.C.	48" O.C.	N/A
950 LB	48" O.C.	32" O.C.	N/A
1270 LB	32" O.C.	16" O.C.	32" O.C.
1500 LB	32" O.C.	16" O.C.	16" O.C.
2200 LB	LTS10 W/ 3" X 1" STUDS	N/A	(2) HTS20 W/ 3" X 1" STUD PACK

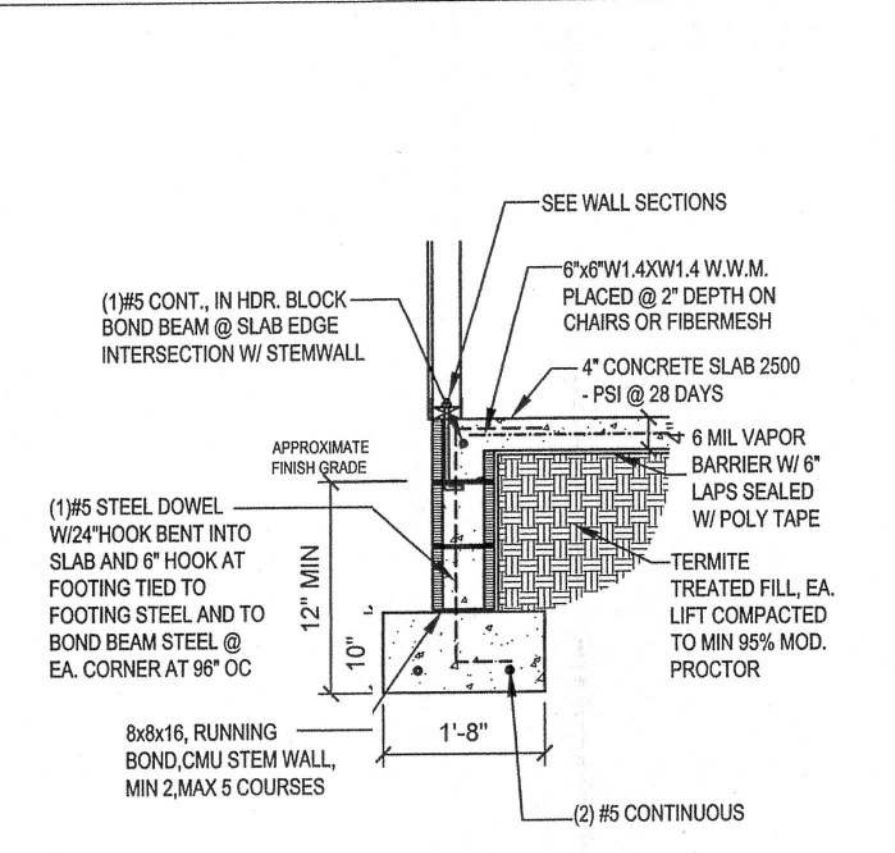
NOTE: SP2 TOP & SPS BOTTOM ALTERNATE FOR SP4/6

NOTE: MINIMUM ANCHOR BOLT SPACING FOR WALLS WITH A HEIGHT GREATER THAN 10'-0" AND LESS THAN 14'-0" SHALL BE 32" O.C.

W1 - SINGLE STORY EXT. WALL SECTION
SCALE: 1/2\"/>

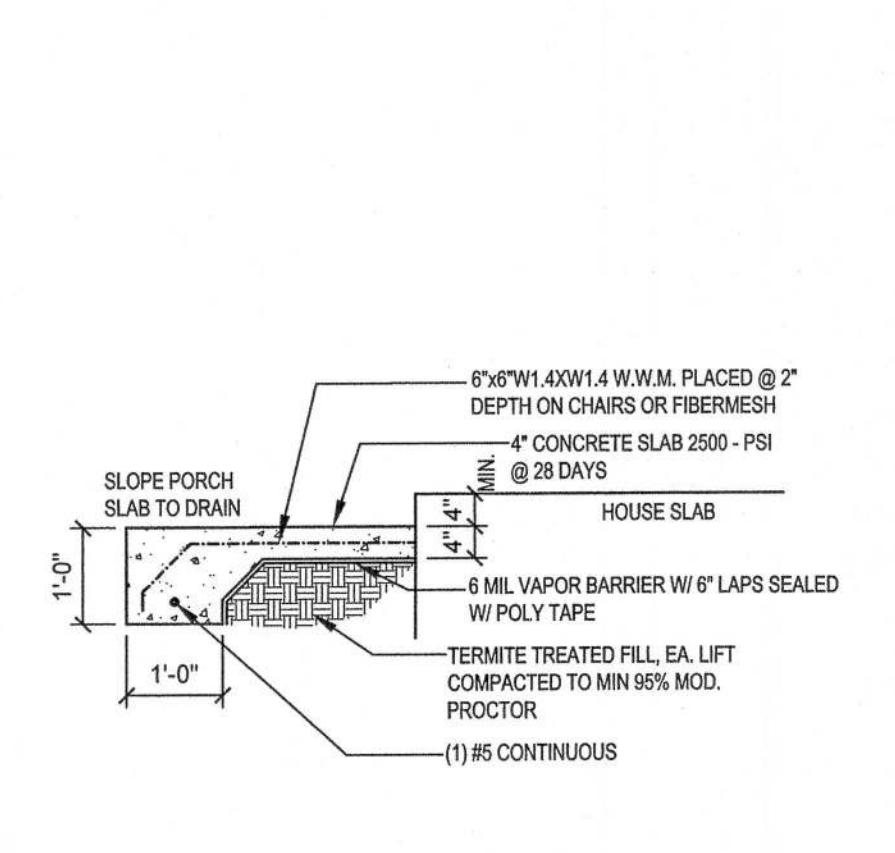


W12 - PORCH HEADER ANCHORS
SCALE: N.T.S. REV-16-JUL-03



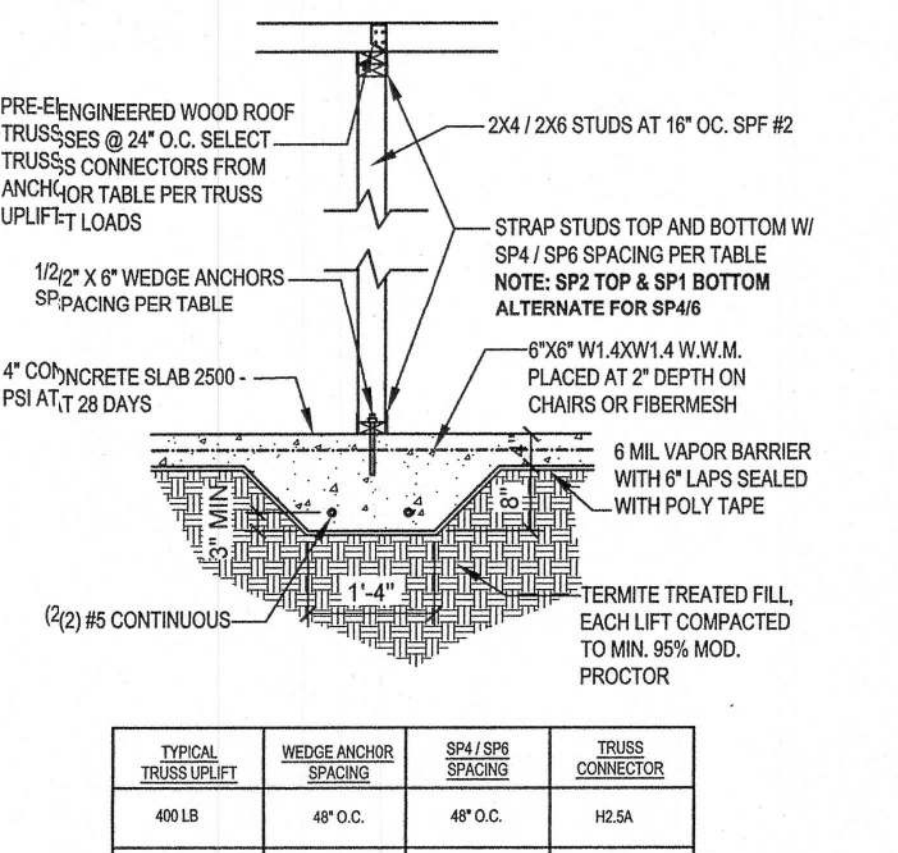
F1 - STEM WALL FOUNDATION
SCALE: 1/2\"/>

F12 - NON - BEARING STEP FOOTING
SCALE: 1/2\"/>



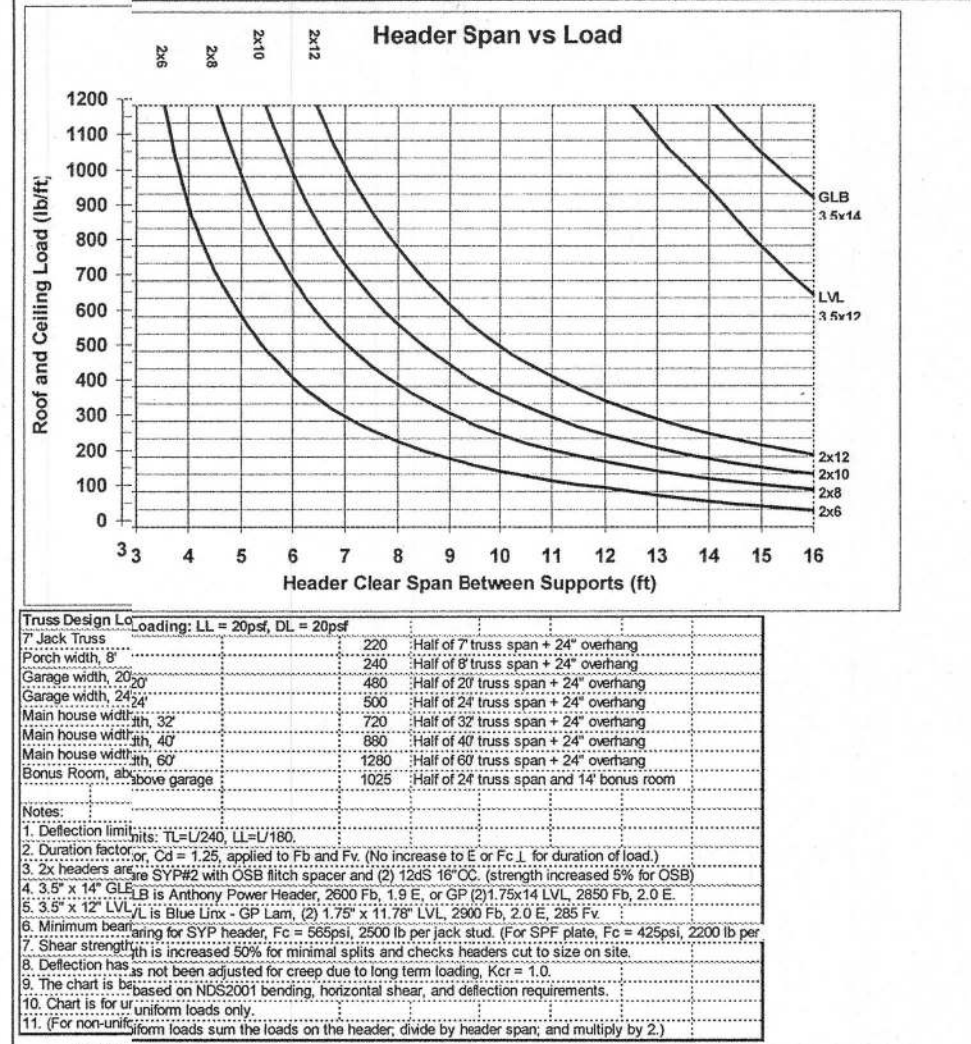
F2 - PORCH SLAB
SCALE: 1/2\"/>

F13 - NON - BEARING THICKENED SLAB EDGE
SCALE: 1/2\"/>



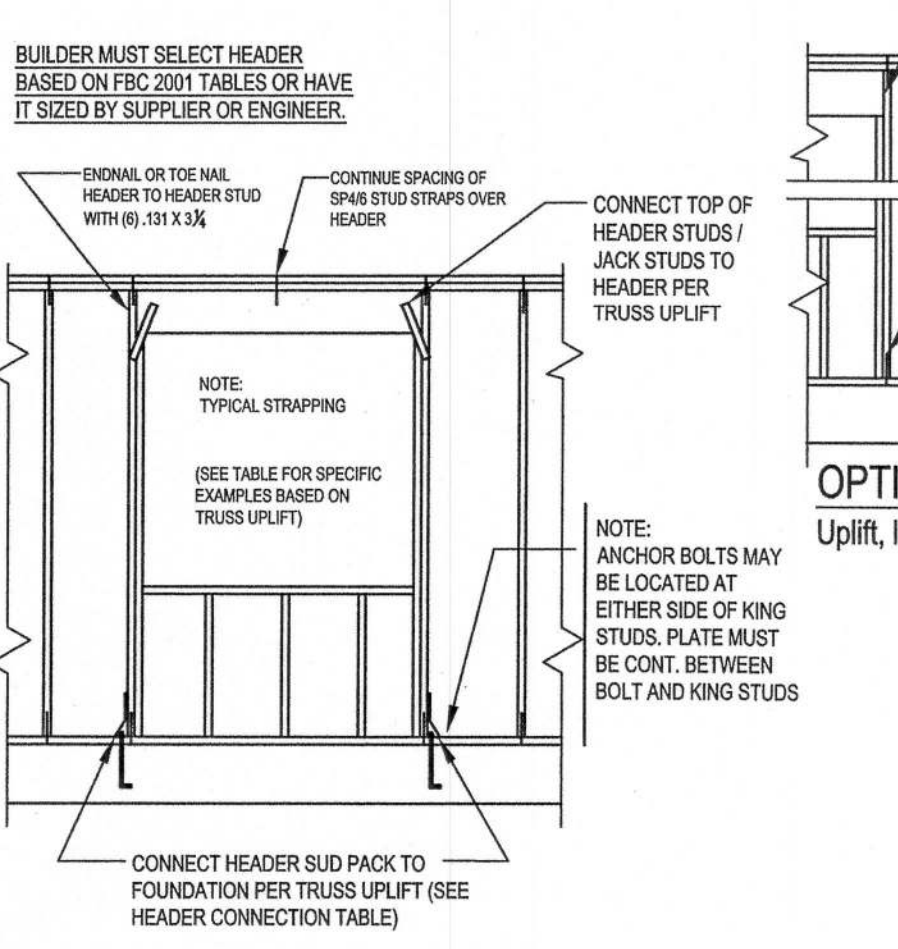
F4 - INTERIOR BEARING FOOTING
SCALE: 1/2\"/>

F5 - INTERIOR BEARING STEP FOOTING
SCALE: 1/2\"/>

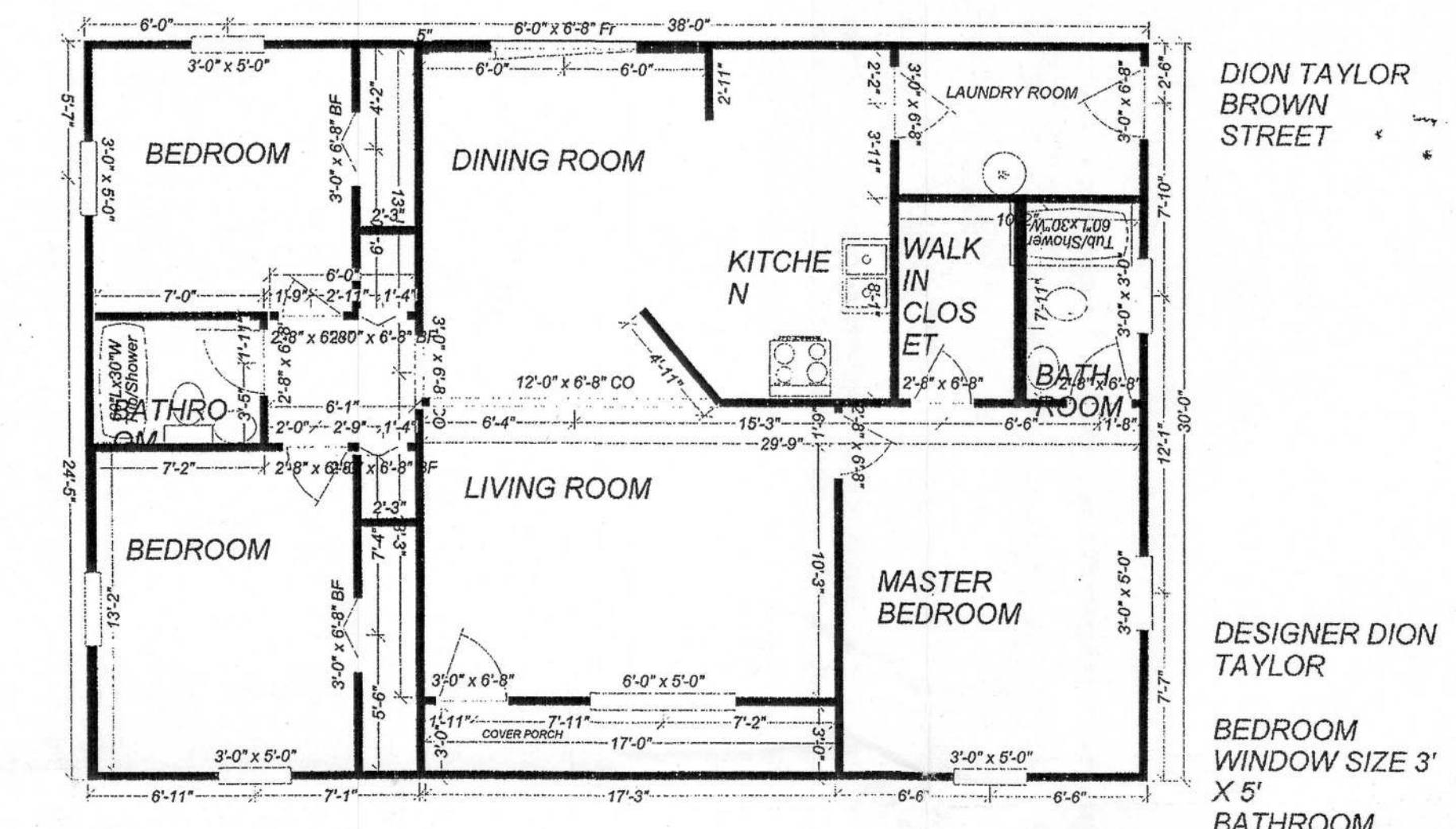


W71 - HEADER SPANS FOR ROOF/CEILING LOAD

Uplift SYP	Truss Connector	To Plate	To Truss / Rafter
2520	455 H2	4-8d	4-8d
2545	350 H2A	3-8d	3-8d
5535	600 H2.5A	5-8d	5-8d
6520	720 H10	6-10d x 1 1/2"	6-10d x 1 1/2"
6590	980 LTS12	8-8d x 1 1/2"	8-8d x 1 1/2"
12425	1450 HTS20	10-10d or 12-10d x 1 1/2"	10-10d or 12-10d x 1 1/2"
14265	1470 H16, H16.2	10-10d x 1 1/2"	2-10d x 1 1/2"
17785	2050 LST2	14-14d Sinker	16-16d Sinker
30655	4200 MGT	3 1/2" dia. Rod	22-10d
SYP SYP Strap Connector			
7760	885 SP4	6-10d x 1 1/2"	N/A
8065	1005 CS20	9-8d or 7-10d	9-8d or 7-10d
10085	1265 LST16-24	7-10d	7-10d
11170	1350 SPH4	12-10d x 1 1/2"	N/A
14220	455 SSP	4-10d	3-10d to double plate or 1-10d to single
1600	825 DSP	8-10d	6-10d to double plate or 2-10d to single
14420	1650 CS16	14-8d or 11-10d	14-8d or 11-10d
SYP SYP Column Anchor			
11160	1350 LTS19	3/4" x 16" AB	8-16d Sinker
11985	2310 LTS11	3/4" x 16" AB	10-10d x 1 1/2"
22395	2775 H2DA	3/4" x 16" AB	2 1/2" Sinks
35560	4175 HT16	3/4" x 16" AB	15-16d
11975	2300 ABUS6	3/4" x 16" AB	12-16d



W13-TYPICAL HEADER SIZING & STRAPPING DETAIL
SCALE: N.T.S. REV-22-AUG-03



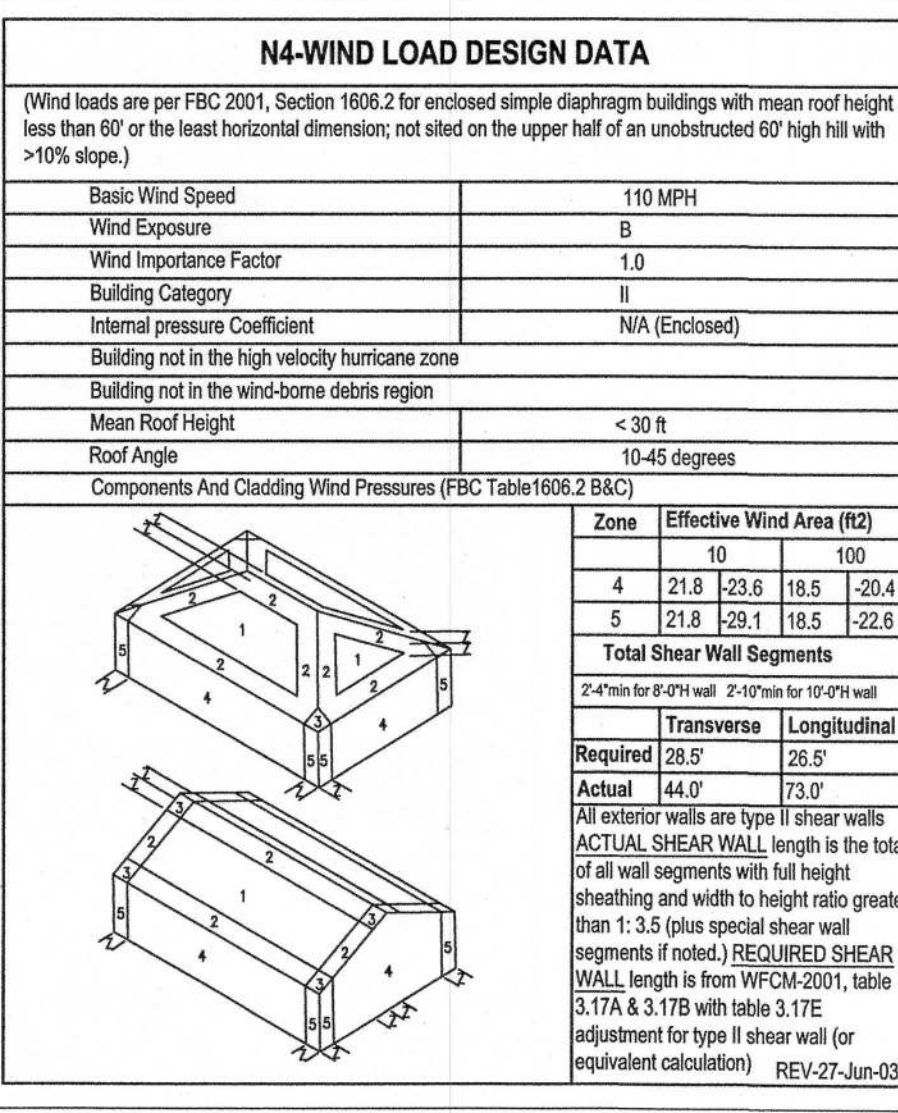
MAIN FLOOR PLAN
SCALE 1/4" = 1'

LIVING 1269
COVER PORCH 51
TOTAL 1320

DION TAYLOR
BROWN STREET

DESIGNER DION TAYLOR

BEDROOM WINDOW SIZE 3' X 5'
BATHROOM WINDOW SIZE 3' X 3'
BATHROOM DOOR SIZE 32" X 80"



Zone	Effective Wind Area (ft²)	Pressure
1	10	100
2	21.8	23.8
3	21.8	18.5
4	21.8	12.2

Transverse Longitudinal
Required 28.5' 28.5'

Actual 44.0' 73.0'

Actual Shear Wall Length is the total of all wall segments with full height sheathing and width to height ratio greater than 1.5:1 (plus special shear wall segments if noted). REQUIRED SHEAR WALL length is from WFCM-2001, table 5.17A & 5.17B with table 3.17E adjustment for type I shear wall (or equivalent calculation).

Option #	Uplift, lb.	Top Connector	Bottom Connector
#1	< 800	End nail to nail w/ 13"x3.25"	SP4, 6-10d x 1 1/2"
#2	< 1500	LST12 10-10d	765 (2) SP4, 6-10d x 1 1/2"
#3	< 1750	LST16 14-14d	1055 LTS20, 10-16d x 1 1/2"
#4	< 2500	(2) LST16, 14-14d	2110 LTS20, 10-16d x 1 1/2"
#5	< 3885	(2) LST16, 14-14d	3480 HTT16, 16-16d x 1 1/2"

Uplift greater than 3885 lb requires engineering design

Header Spans (ft)	20	28	36
2-2x4	3.6	1	3.2
2-2x6	5.5	1.4	2.1
2-2x8	8.0	1	2.1
2-2x10	8.5	2	2.6
2-2x12	9.9	2	2.6
3-2x8	8.4	1	6.8
3-2x10	10.6	1	8.2
3-2x12	12.2	2	8.5
4-2x8	9.2	1	7.6
4-2x10	11.8	1	8.5
4-2x12	14.1	1	10.1

NOTES: NJ = Number of jack studs required to support each end. Building width is measured perpendicular to the ridge. For widths between those shown, spans may be interpolated. Spans are based on uniform loads of header.

N2-GENERAL NOTES:

FOUNDATION: FOR POINT LOADS GREATER THAN 500 LB OR REPETITIVE TRUSS LOADS GREATER THAN 2000 LB PER TRUSS PROVIDE A THICKENED SLAB OR AD FOOTING 1'-0" X 1' 1/4" FT. FOR EVERY 1000 LB OF BEARING REINFORCE WITH #5 @ 8" O.C. EACH WAY

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 W1.1, 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 SPACING NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 IN 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 OPTIMAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WMM 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, # 6 KSI. ALL LAPS SPICES 6" db (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILD AND PLACED IN ACCORDANCE WITH ACI 315-95 WITH ACI 315-96 UNLESS NOTED OTHERWISE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 30 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 NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND EAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE " 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" BOLT 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-27-JUL-04

WINDLOAD ENGINEERING

"EVERYTHING YOU NEED FOR YOUR BUILDING PERMIT"

Mark Discsway P.E.

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Location: Tax ID: 0000013722-001 Brown Street Columbia County, Florida

Taylor Dion Spec House

Builder: Dion Taylor

Designer:

Approved: FLPER5915 Revisions:

Sheet S-1 of 1 Sheet
Windload Engineering
Job # 505192

REV-06-OCT-03