

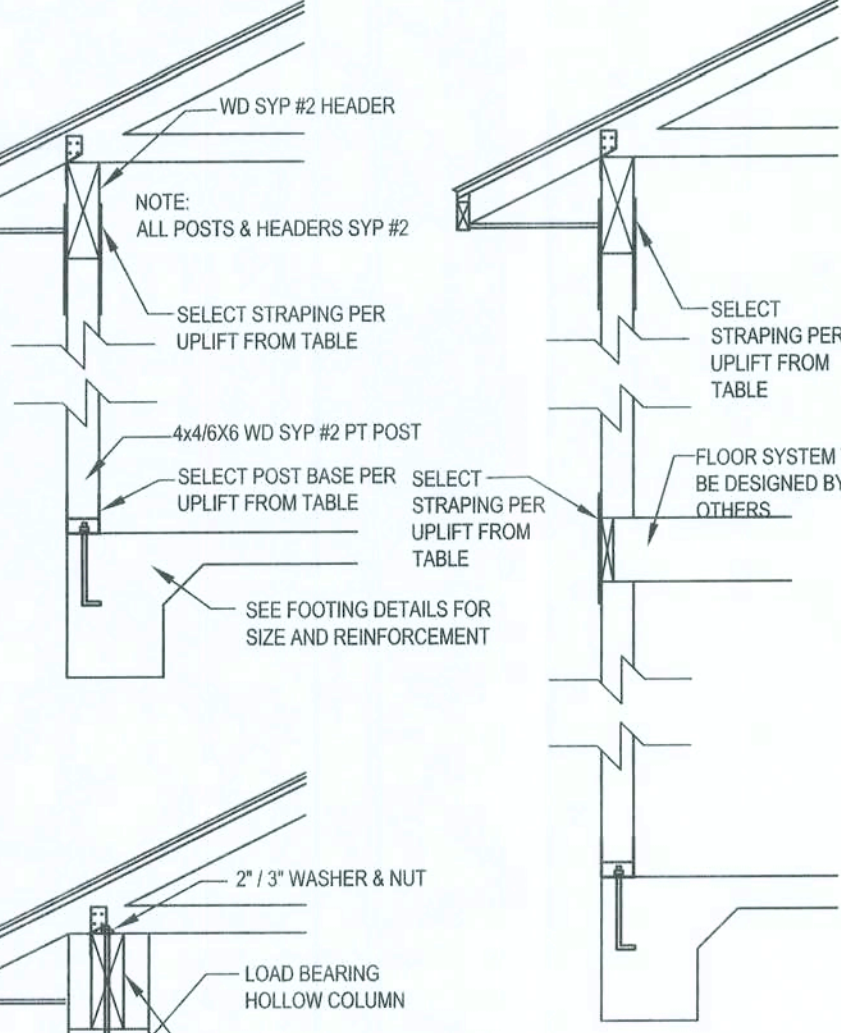
DETAILS

STUD ANCHOR TABLE

TYPICAL TRUSS UPLIFT & MAX 10'-0" WALL HEIGHT	ANCHOR BOLT SPACING	SPN1 / SPN1 SPACING	N/A
750 LB	48" O.C.	48" O.C.	N/A
900 LB	32" O.C.	32" O.C.	N/A
N/A	N/A	N/A	N/A
1500 LB	24" O.C.	16" O.C.	N/A
2200 LB	LTT31 W 5/8" X 7" WEDGE ANCHOR	N/A	(2) HTS20 NAILED TO STUD PACK
NOTE: N/A			
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

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



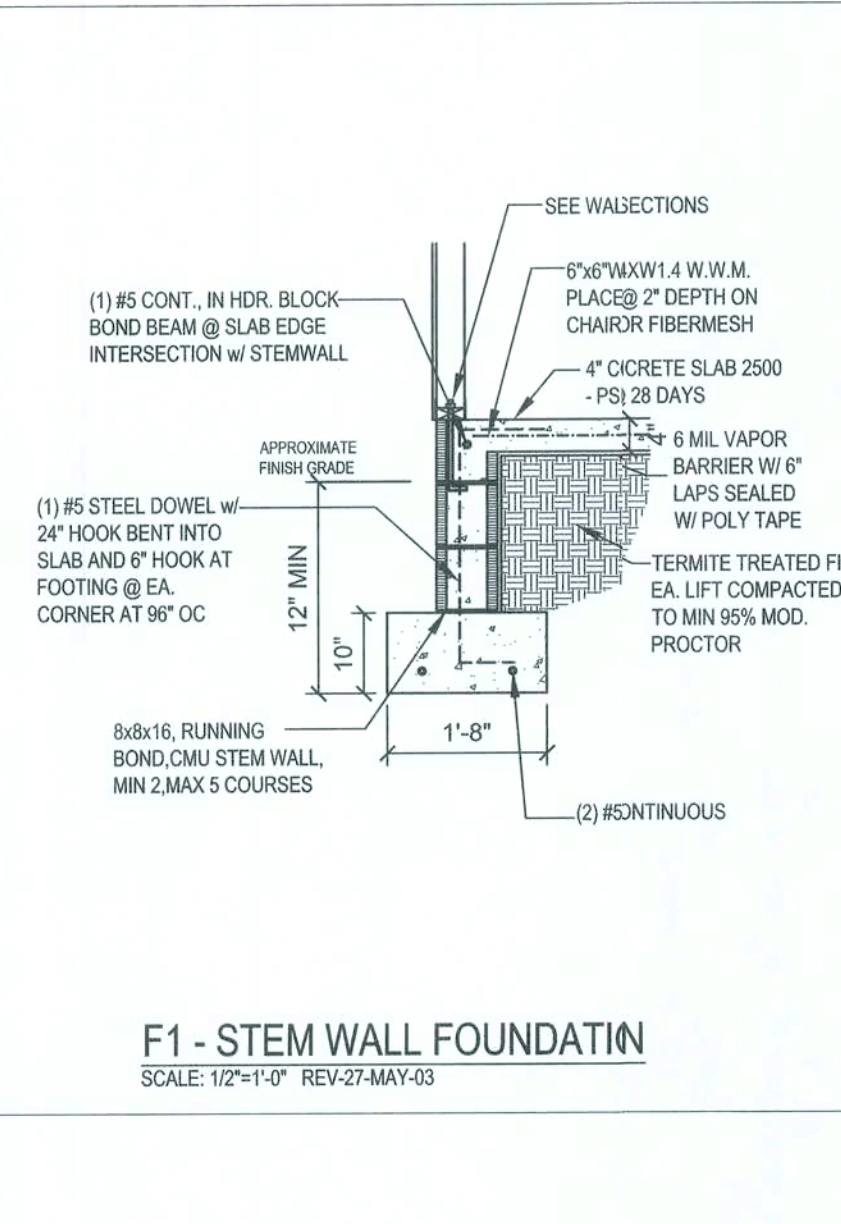
SYP #2 PT WOOD POSTS

TYPICAL POST UPLIFT	POST BASE ANCHOR	BETWEEN FLOOR STRAPPING	HEADER STRAPPING
500 LB	AB44 W (8-10) 4\"/>	(2) LST421 W (8-10) EA	(2) LST421 W (8-10) EA
750 LB	AB44 W (8-10) 4\"/>	(2) LST421 W (8-10) EA	(2) LST421 W (8-10) EA
2200 LB	AB44 W (12-14) 4\"/>	(2) LST421 W (10-10) EA	(2) LST421 W (10-10) EA
2300 LB	AB44 W (12-14) 4\"/>	(2) LST421 W (10-10) EA	(2) LST421 W (10-10) EA

HOLLOW COLUMN

1500 LB	5\"/>	3\"/>
2300 LB	5\"/>	3\"/>

W12 - PORCH HEADER ANCHORS
SCALE: N.T.S. REV-18-JUL-03



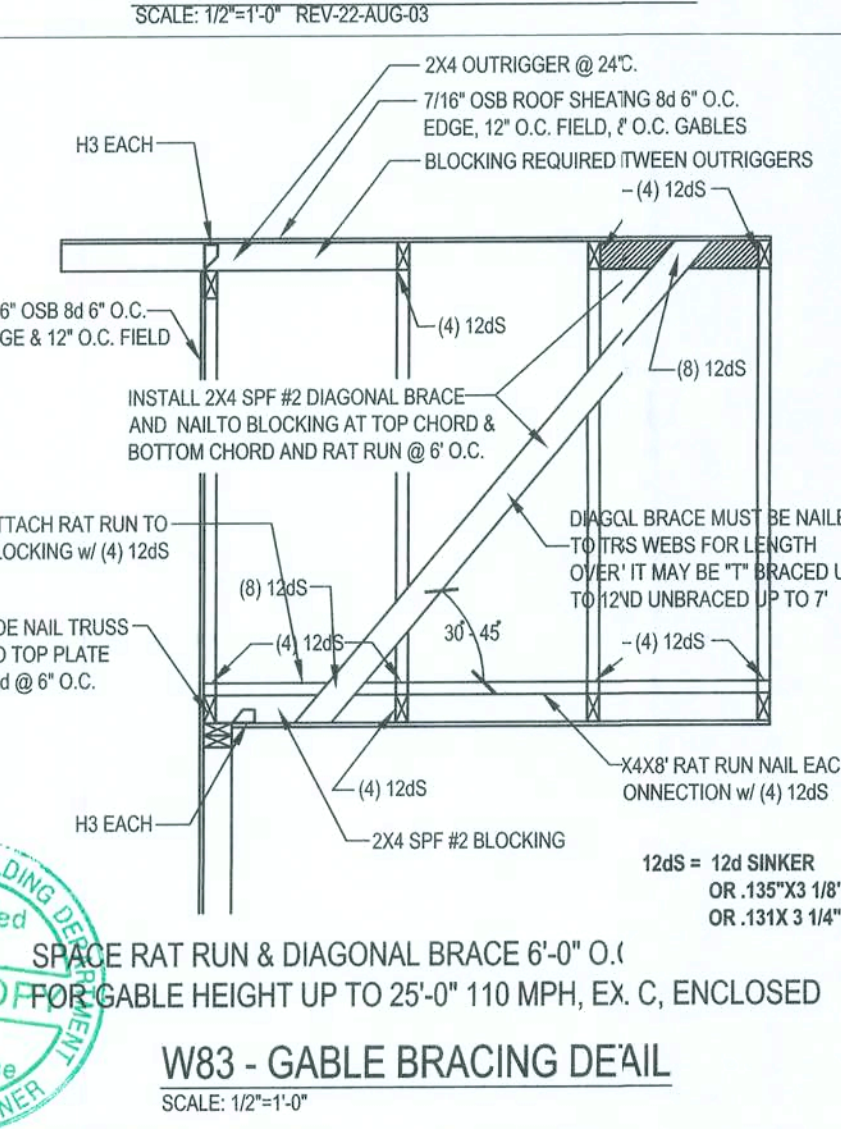
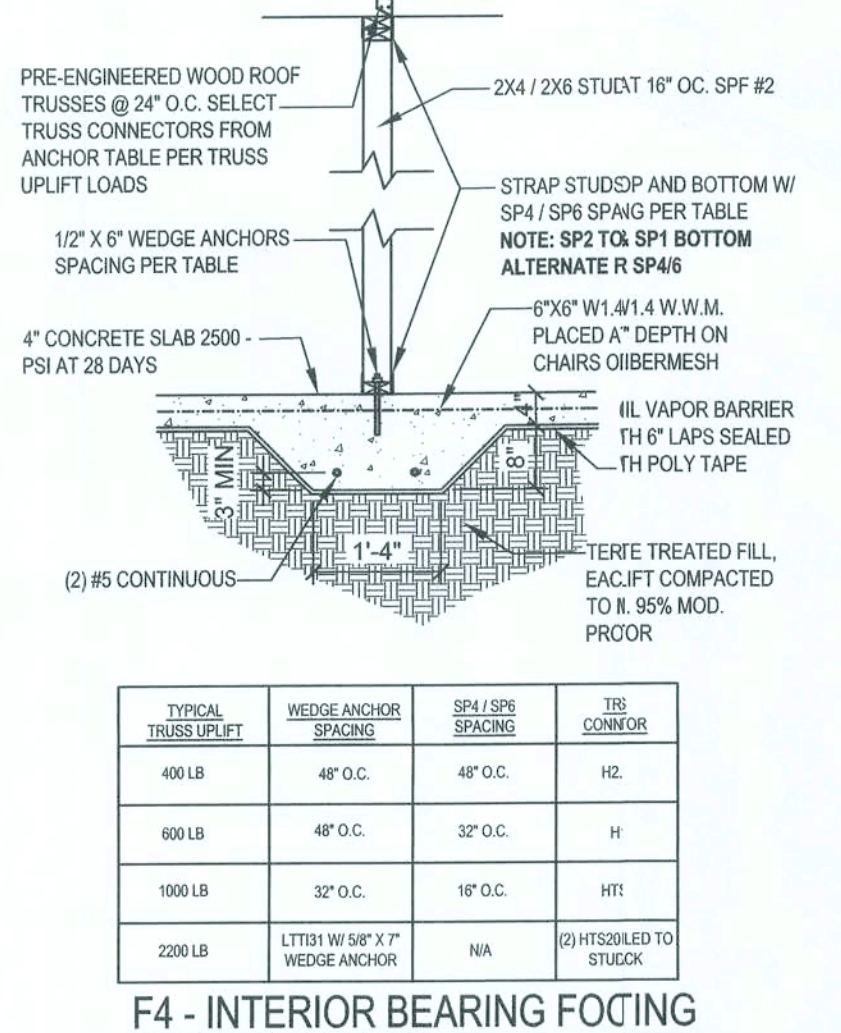
STUD ANCHOR TABLE

TYPICAL TRUSS UPLIFT & MAX 12"	ANCHOR BOLT	ANCHOR BOLT	ANCHOR BOLT
750 LB	48"	48"	N/A
900 LB	32"	32"	N/A
N/A	N/A	N/A	N/A
1500 LB	24"	16"	N/A
2200 LB	LTT31 W 5/8"	N/A	(2) HTS20 NAILED TO STUD PACK

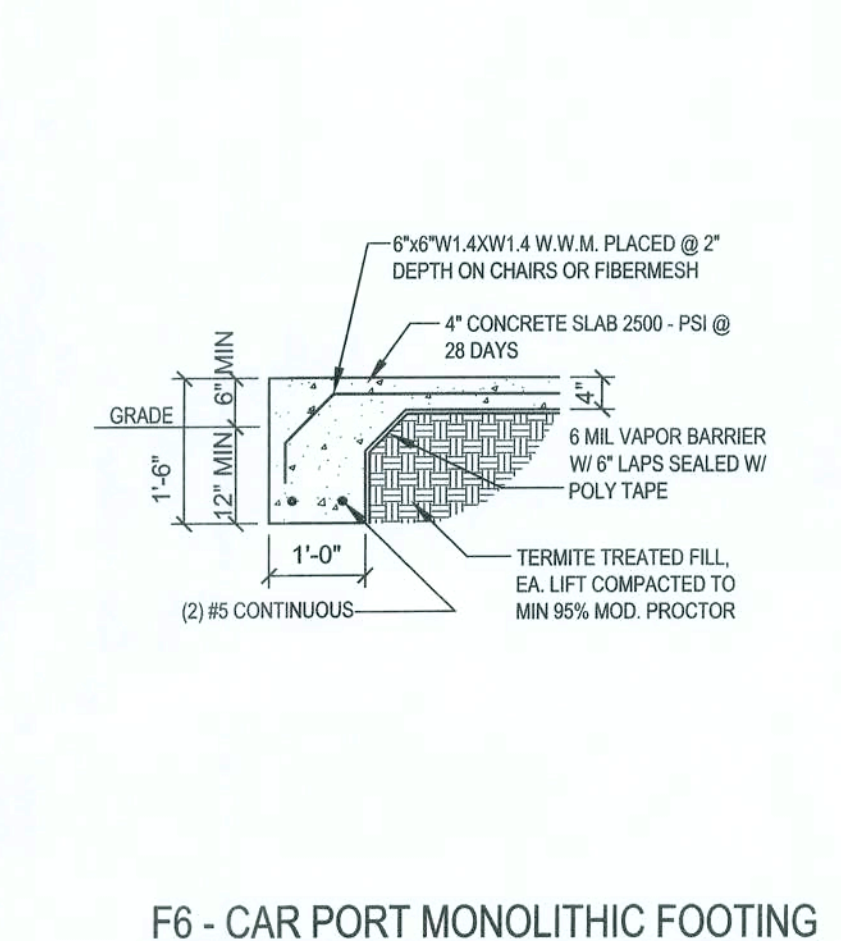
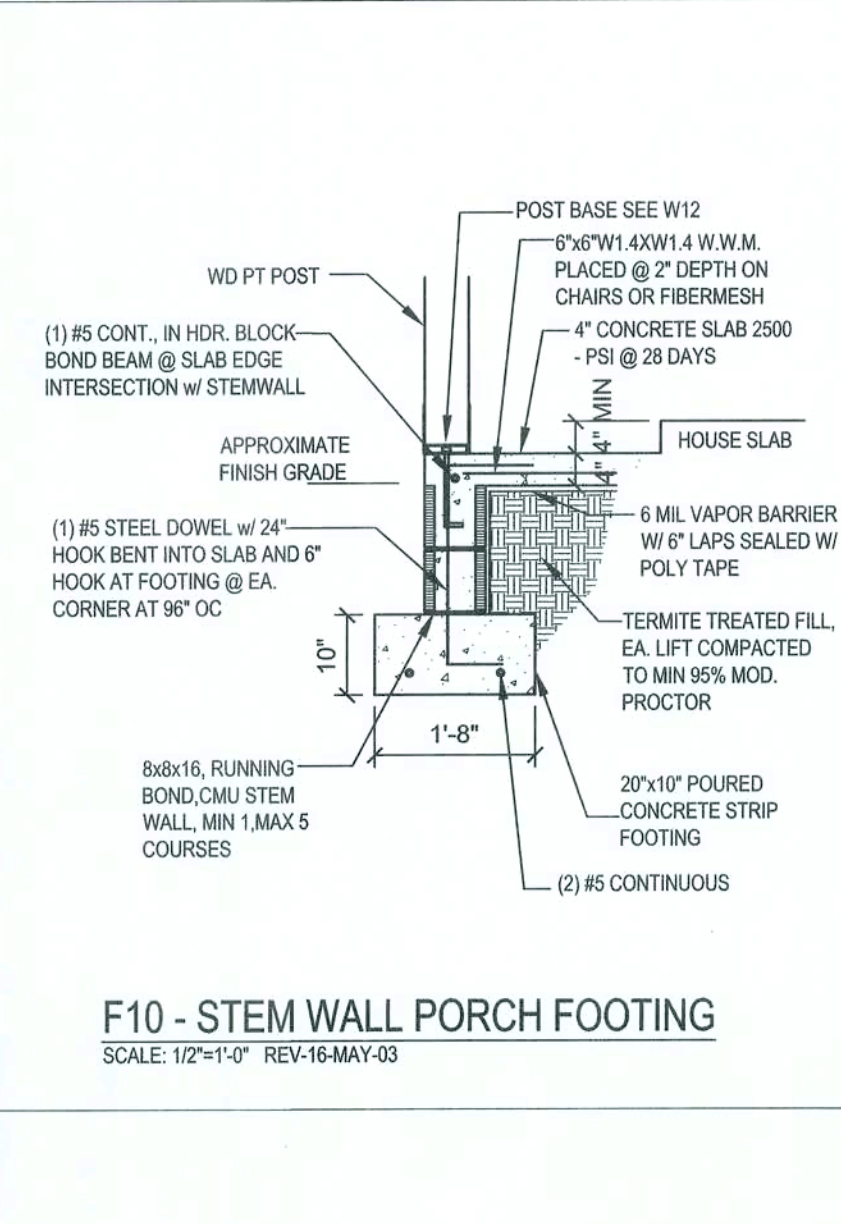
NOTE: N/A

NOTE: MINIMUM ANCHOR BOLT SPACING FOR WALLS WITH A HEIGHT GREATER THAN 10'-0"

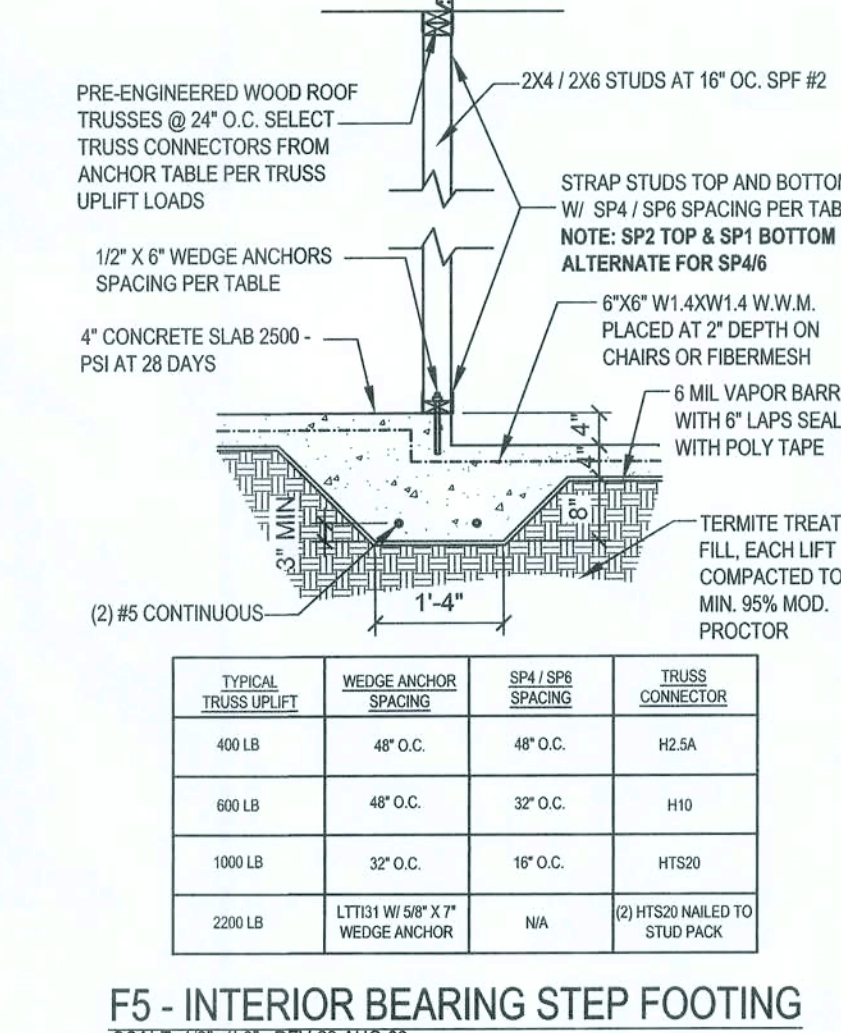
W1 - SINGLE STORY EXT. WALL SECTION
SCALE: 1/2\"/>



W83 - GABLE BRACING DETAIL
SCALE: 1/2\"/>



F6 - CAR PORT MONOLITHIC FOOTING
SCALE: 1/2\"/>



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

Uplift SYP	Truss Connector	To Plate	To Truss / Rafter
320 455 H3	4-8d	4-8d	4-8d
245 350 H5A	3-8d	3-8d	3-8d
535 600 H2.5A	5-8d	5-8d	5-8d
620 720 H10	6-10d x 1 1/2\"/>	6-10d x 1 1/2\"/>	6-10d x 1 1/2\"/>
850 990 HTS12	8-8d x 1 1/2\"/>	8-8d x 1 1/2\"/>	8-8d x 1 1/2\"/>
1245 1450 HTS20	10-10d or 12-10d x 1 1/2\"/>	10-10d or 12-10d x 1 1/2\"/>	10-10d or 12-10d x 1 1/2\"/>
1285 1470 H16, H16-2	10-10d x 1 1/2\"/>	10-10d x 1 1/2\"/>	10-10d x 1 1/2\"/>
1785 2050 LGT2	16-16d Sinker	16-16d Sinker	16-16d Sinker
3655 4200 MGT	5\"/>	5\"/>	22-10d

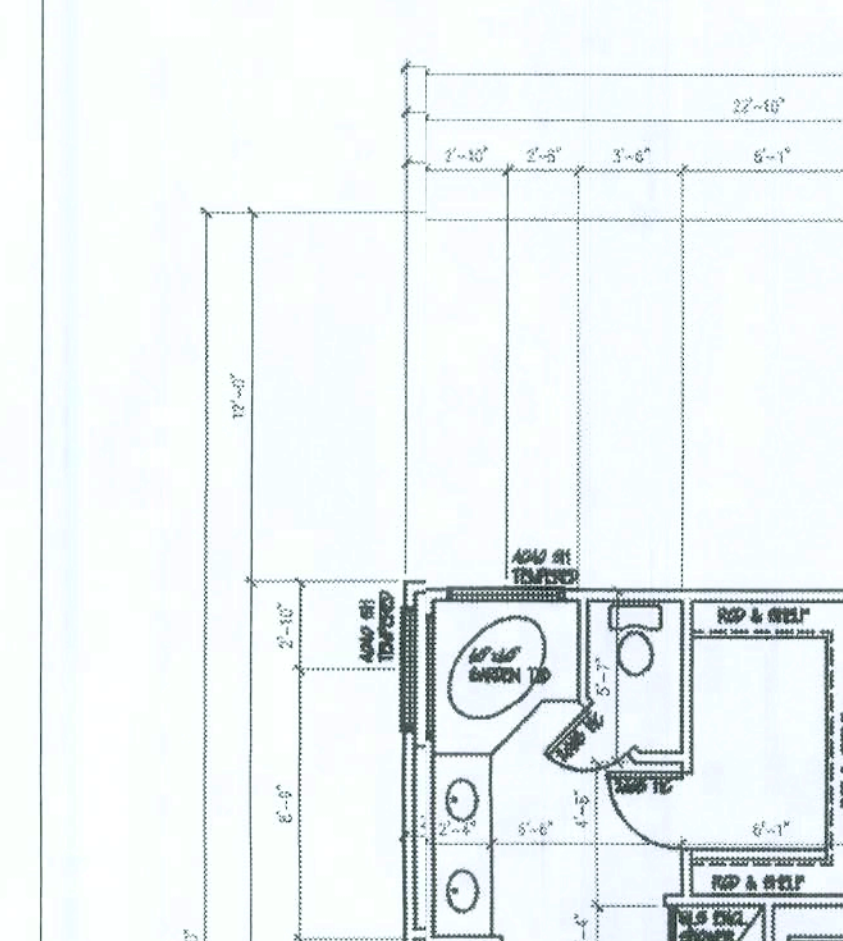
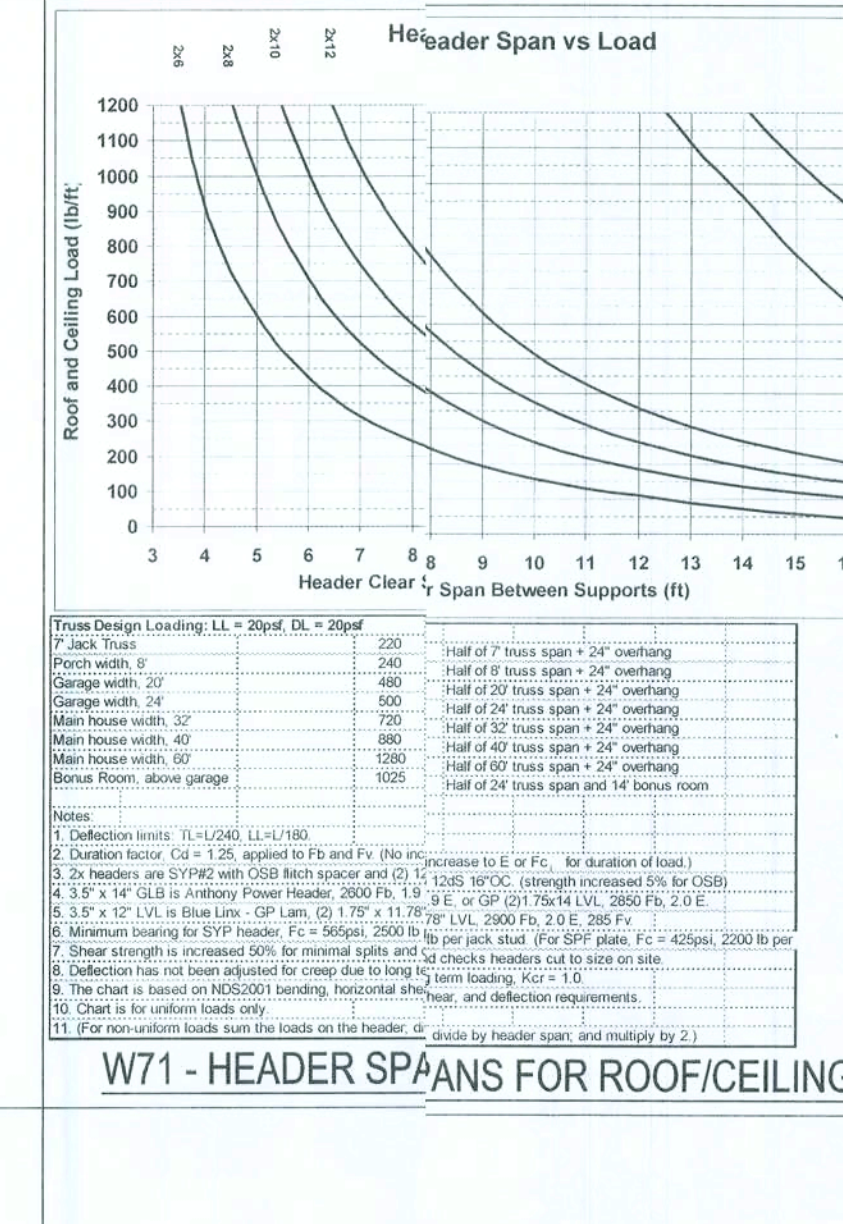
SYP SYP Strap Connector

SYP	SYP	To One Member	To Other Member
760 885 SP4	6-10d x 1 1/2\"/>	N/A	N/A
865 1005 CS20	9-8d or 7-10d	9-8d or 7-10d	9-8d or 7-10d
1085 1265 LST418-24	7-10d	7-10d	7-10d
1170 1360 SP44	12-10d x 1 1/2\"/>	N/A	N/A
1420 1650 CS16	14-8d or 11-10d	14-8d or 11-10d	14-8d or 11-10d

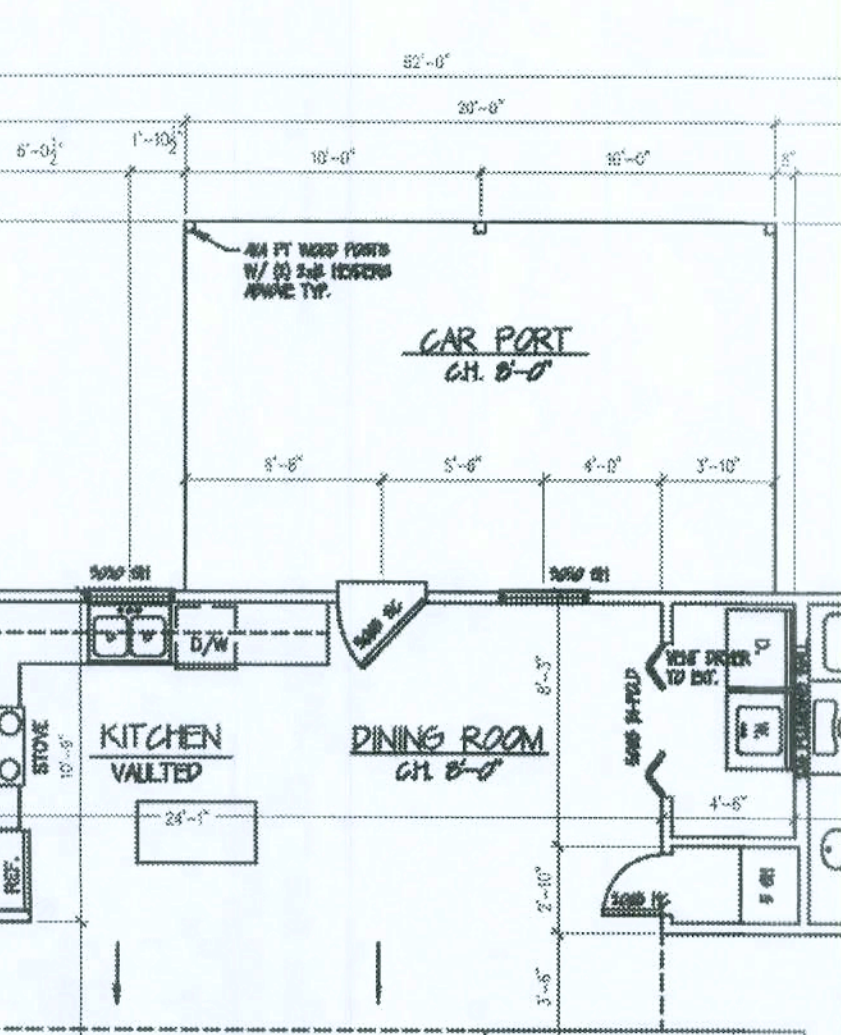
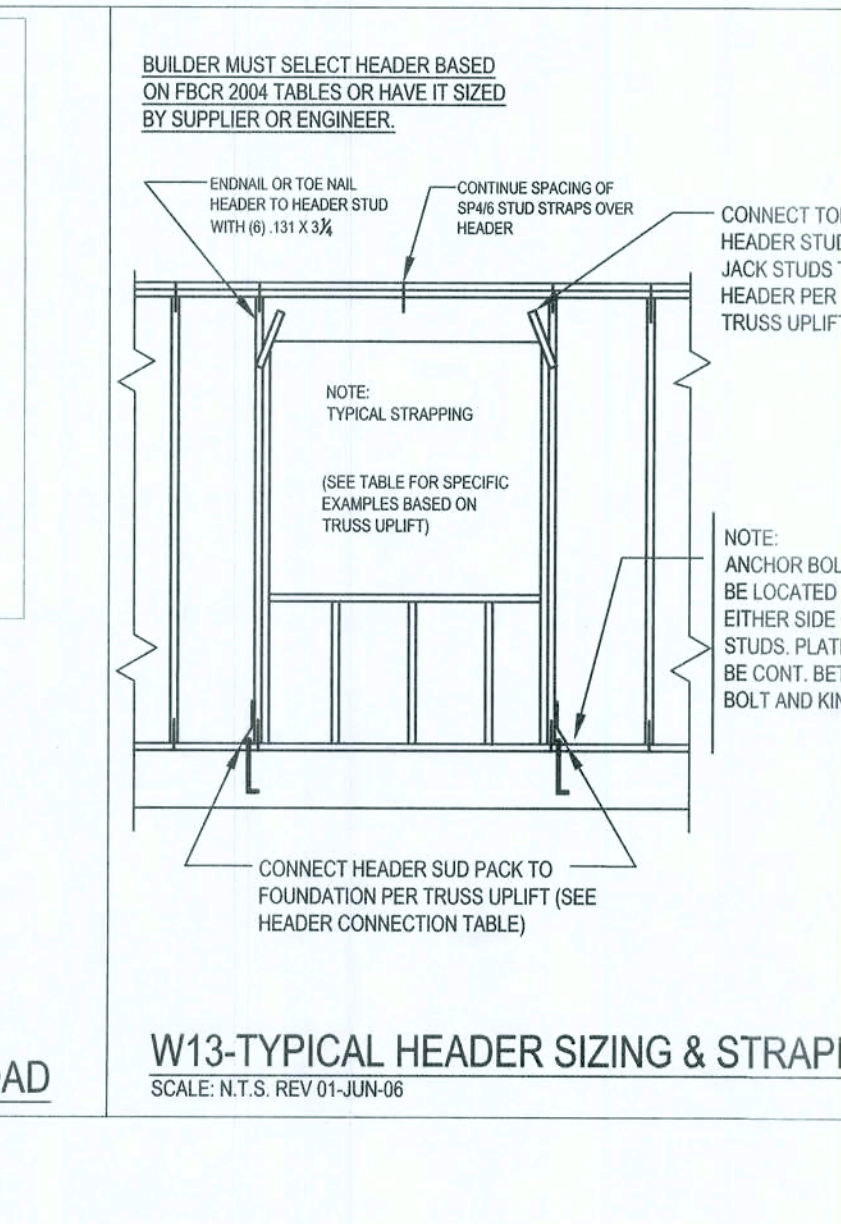
SYP SYP Column Anchor

SYP	SYP	To Foundation	To Column / Truss
1160 1350 LTT19	5\"/>	5\"/>	5\"/>
1985 2310 LTT31	5\"/>	5\"/>	5\"/>
2385 2775 HD2A	5\"/>	5\"/>	5\"/>
3590 4175 HTT16	5\"/>	5\"/>	5\"/>
1975 2300 ABUR6	5\"/>	5\"/>	5\"/>

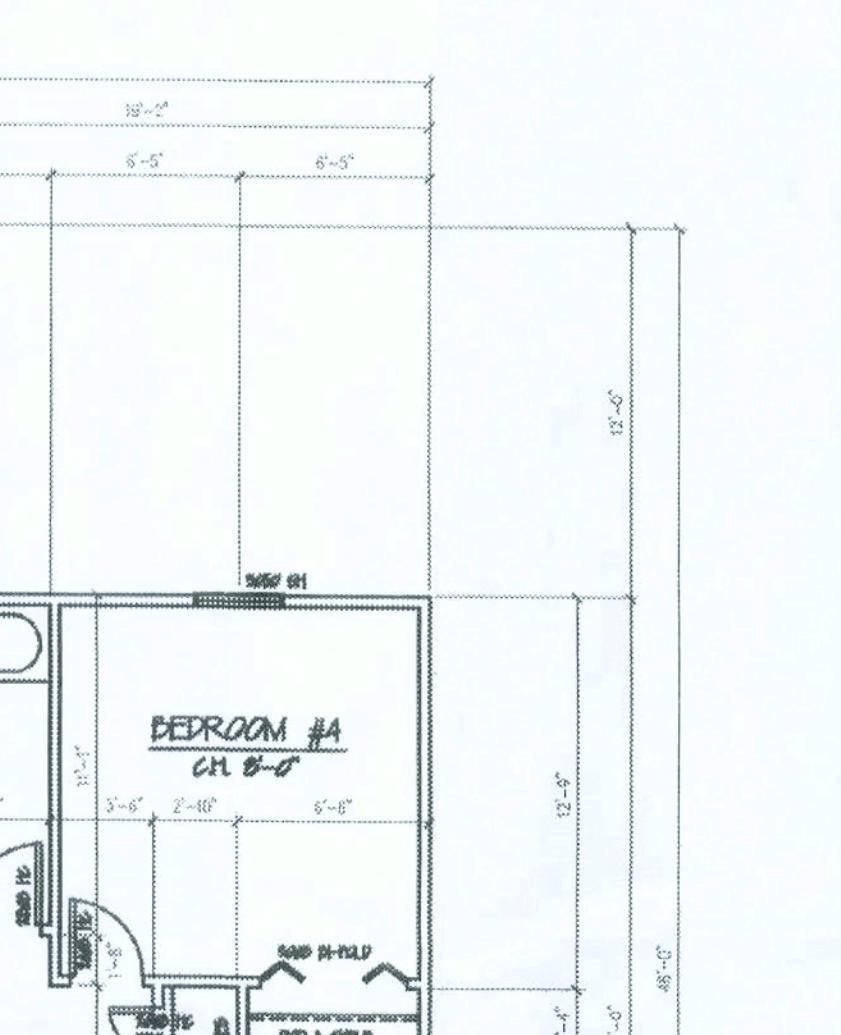
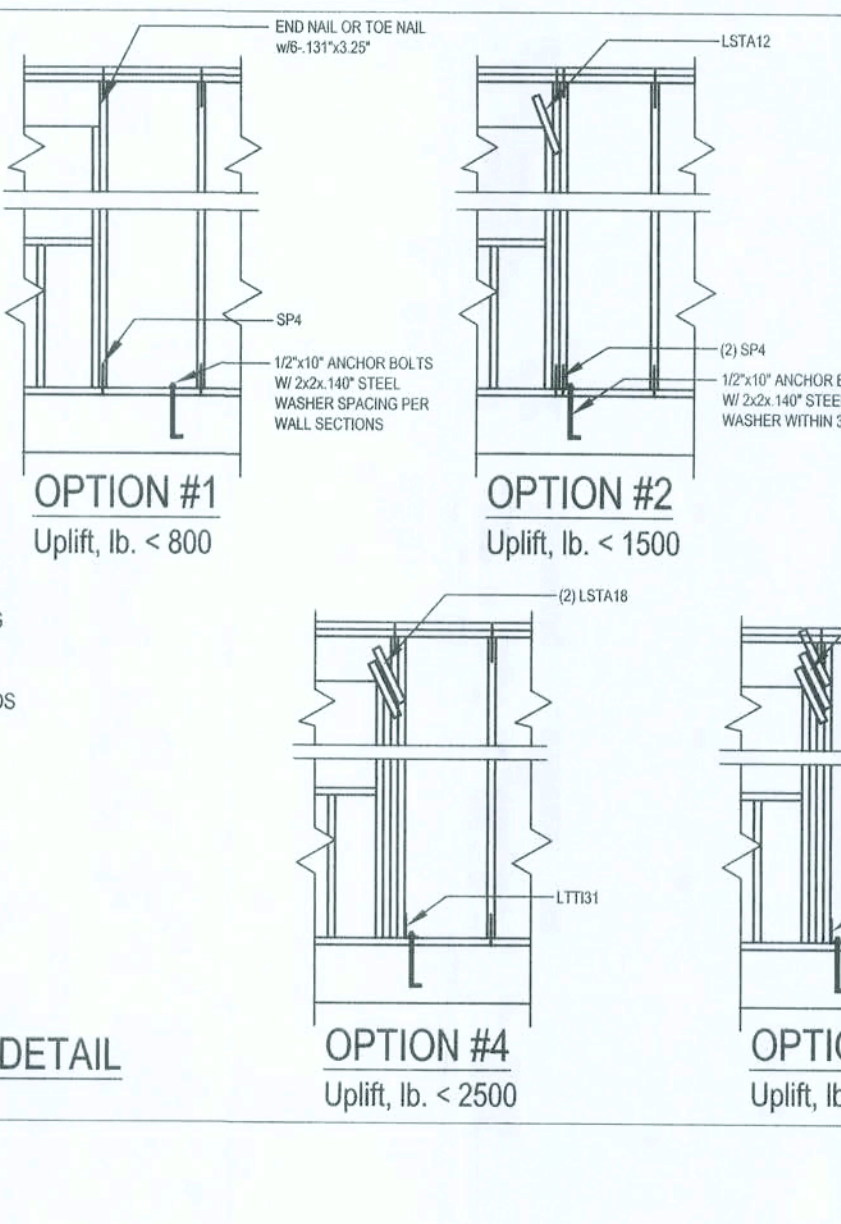
F5 - INTERIOR BEARING STEP FOOTING
SCALE: 1/2\"/>



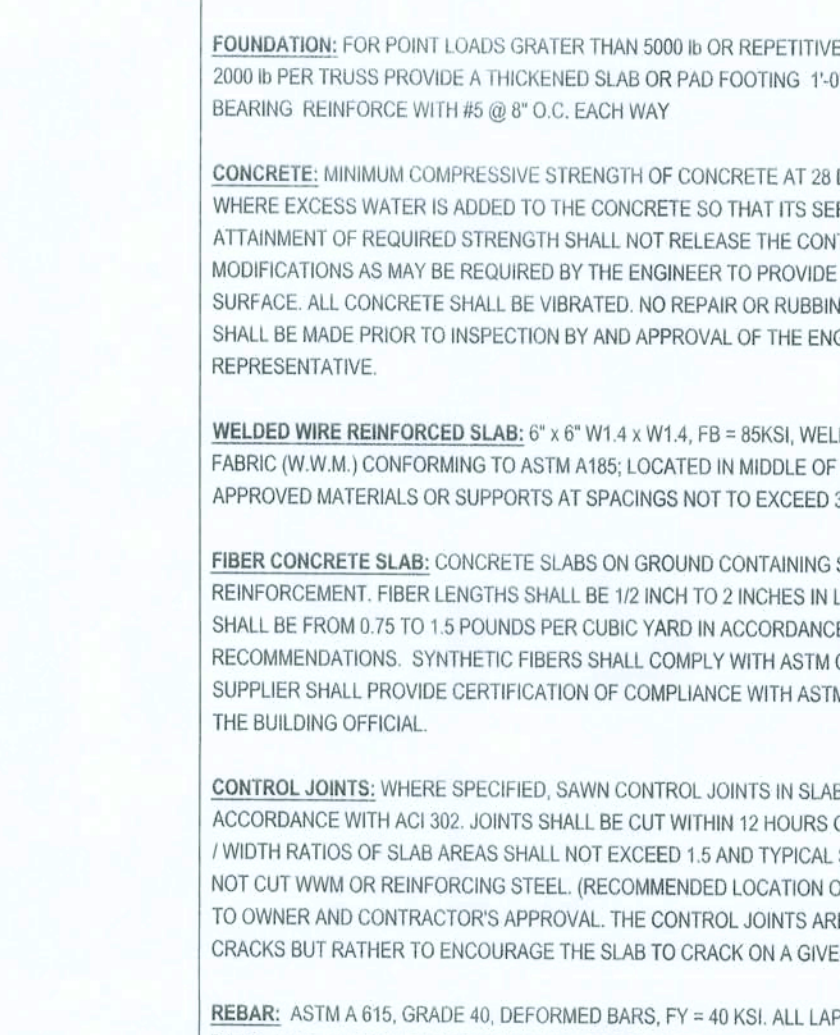
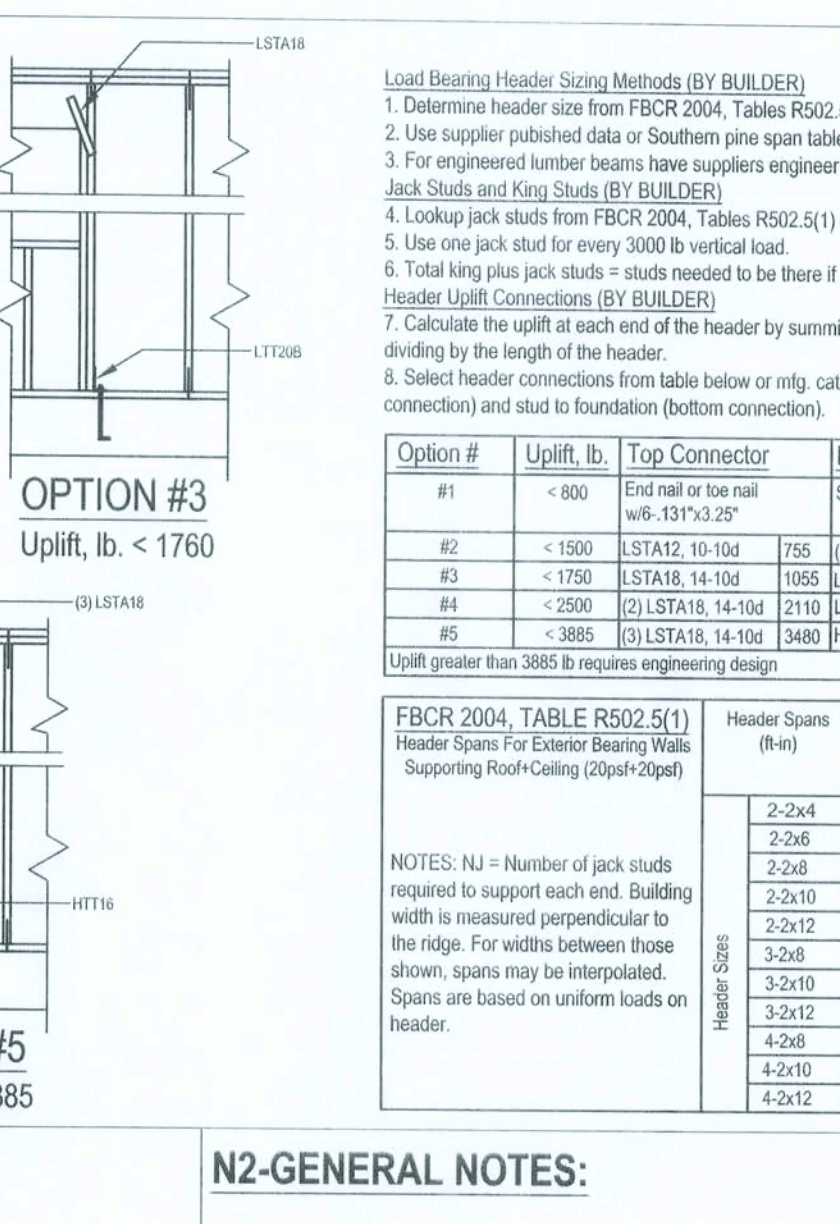
W71 - HEADER SPANS FOR ROOF/CEILING LOAD



F6 - CAR PORT MONOLITHIC FOOTING
SCALE: 1/2\"/>



F6 - CAR PORT MONOLITHIC FOOTING
SCALE: 1/2\"/>



F6 - CAR PORT MONOLITHIC FOOTING
SCALE: 1/2\"/>

Load Bearing Header Sizing Methods (BY BUILDER)

- Determine header size from FBCR 2004, Tables R502.5(1) or R502.5(2)
- Use supplier published data or Southern pine span tables.
- For engineered lumber beams, use Southern pine span tables.
- Look up jack studs from FBCR 2004, Tables R502.5(1) or R502.5(2)
- Use one jack stud for every 3000 lb vertical load.
- Total king plus jack studs = studs needed to be there if no opening as there.
- Header Uplift Connections (BY BUILDER)
- Calculate the uplift at each end of the header by summing the moments of all truss uplifts and dividing by the length of the header.
- Select header connections from tables below or mfg. catalog to connect header to stud (top connection) and stud to foundation (bottom connection).

Uplift greater than 3885 lb requires engineering design

Option #	Uplift, lb.	Top Connector	Bottom Connector
#1	< 800	End nail or tie nail w/ 13\"/>	SP4, 6-10d x 1 1/2\"/>
#2	< 1500	LST421, 10-10d	(2) SP4, 6-10d x 1 1/2\"/>
#3	< 1750	LST418, 14-10d	(2) LTT208, 10-10 x 1 1/2\"/>
#4	< 2500	(2) LST418, 14-10d	(2) LTT208, 10-10 x 1 1/2\"/>
#5	< 3885	(2) LST418, 14-10d	(2) HTT16, 16-16 x 1 1/2\"/>

FBCR 2004, TABLE R502.5(1)
Header Spans For Exterior Bearing Walls Supporting Roof/Ceiling (20psi-20psi)

Header Size	Building With / Truss Span (ft)	
	Span	Truss Span
2-2x4	3-6	1-2
2-2x6	5-5	1-4
2-2x8	6-10	1-5
2-2x10	8-5	2-3
2-2x12	9-9	2-5
3-2x4	8-4	1-5
3-2x10	10-6	1-3
3-2x12	12-2	1-7
4-2x6	9-2	1-4
4-2x10	11-8	1-6
4-2x12	14-1	1-2

N2-GENERAL NOTES:

FOUNDATION: FOR POINT LOADS GREATER THAN 5000 LB OR REPETITIVE TRUSS LOADS GREATER THAN 2000 LB PER TRUSS PROVIDE A THICKENED SLAB OR PAD FOOTING 1'-0\"/>

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\"/>

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 10 MCH TO 2 INCHES IN LENGTH. DISKAGE 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 12 FT. 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 60, DEFORMED BARS, $F_y = 40$ KSI. ALL LAPS SPICES @ 2' DB (2' 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 NO LESS THAN 7\"/>

WASHERS: WASHERS USED WITH 1/2\"/>

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 Disoway P.E.

POB 868, Lake City, FL 32056 Phone: (386) 751-5419
Fax: (386) 269-4871 Email: windloadengineer@belsouth.net

Location: Wendy Road Columbia County, Florida

Destiny Lee Residence

Builder: Plumb Level Construction

Designer:

Approved: FLPER3915 Revisions:

Sheet S-1 of 1 Sheet

Windload Engineering
Job # 812163

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

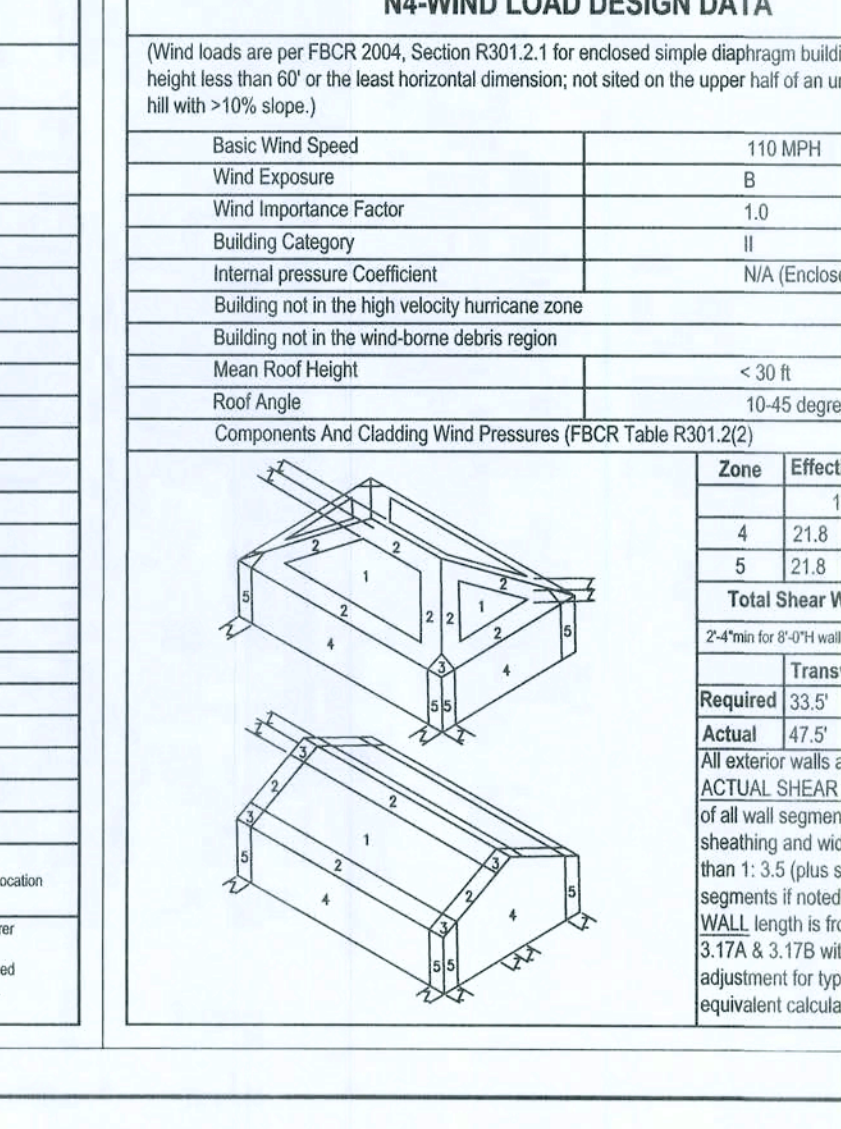
Uplift SYP	Truss Connector	To Plate	To Truss / Rafter
320 455 H3	4-8d	4-8d	4-8d
245 350 H5A	3-8d	3-8d	3-8d
535 600 H2.5A	5-8d	5-8d	5-8d
620 720 H10	6-10d x 1 1/2\"/>	6-10d x 1 1/2\"/>	6-10d x 1 1/2\"/>
850 990 HTS12	8-8d x 1 1/2\"/>	8-8d x 1 1/2\"/>	8-8d x 1 1/2\"/>
1245 1450 HTS20	10-10d or 12-10d x 1 1/2\"/>	10-10d or 12-10d x 1 1/2\"/>	10-10d or 12-10d x 1 1/2\"/>
1285 1470 H16, H16-2	10-10d x 1 1/2\"/>	10-10d x 1 1/2\"/>	10-10d x 1 1/2\"/>
1785 2050 LGT2	16-16d Sinker	16-16d Sinker	16-16d Sinker
3655 4200 MGT	5\"/>	5\"/>	22-10d

SYP SYP Strap Connector

SYP	SYP	To One Member	To Other Member
760 885 SP4	6-10d x 1 1/2\"/>	N/A	N/A
865 1005 CS20	9-8d or 7-10d	9-8d or 7-10d	9-8d or 7-10d
1085 1265 LST418-24	7-10d	7-10d	7-10d
1170 1360 SP44	12-10d x 1 1/2\"/>	N/A	N/A
1420 1650 CS16	14-8d or 11-10d	14-8d or 11-10d	14-8d or 11-10d

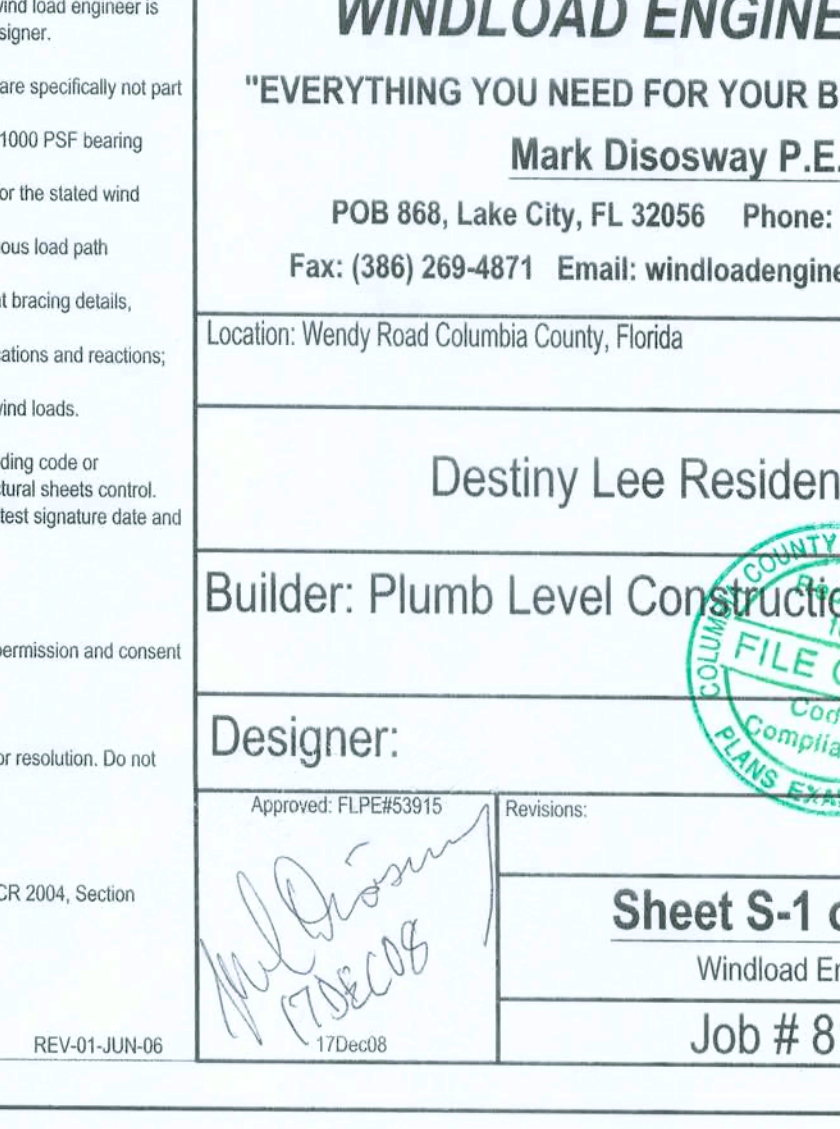
SYP SYP Column Anchor

SYP	SYP	To Foundation	To Column / Truss
1160 1350 LTT19	5\"/>	5\"/>	5\"/>
1985 2310 LTT31	5\"/>	5\"/>	5\"/>
2385 2775 HD2A	5\"/>	5\"/>	5\"/>
3590 4175 HTT16	5\"/>	5\"/>	5\"/>
1975 2300 ABUR6	5\"/>	5\"/>	5\"/>



N4-WIND LOAD DESIGN DATA

Zone	Effective Wind Area (ft ²)
1	10
2	10
3	10
4	10
5	10
6	10
7	10
8	10
9	10
10	10
11	10
12	10
13	10
14	10
15	10
16	10
17	10
18	10
19	10
20	10
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100	10



75-5419

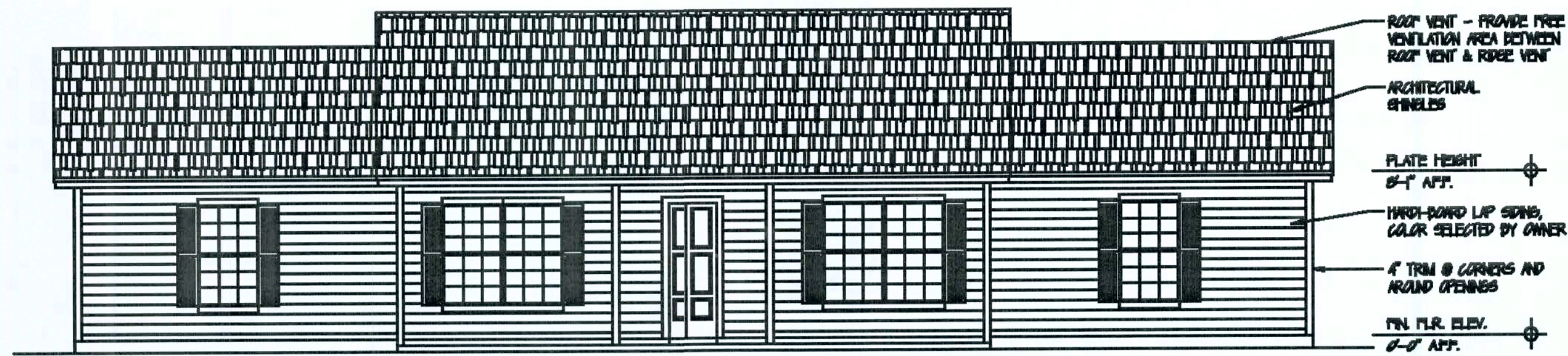
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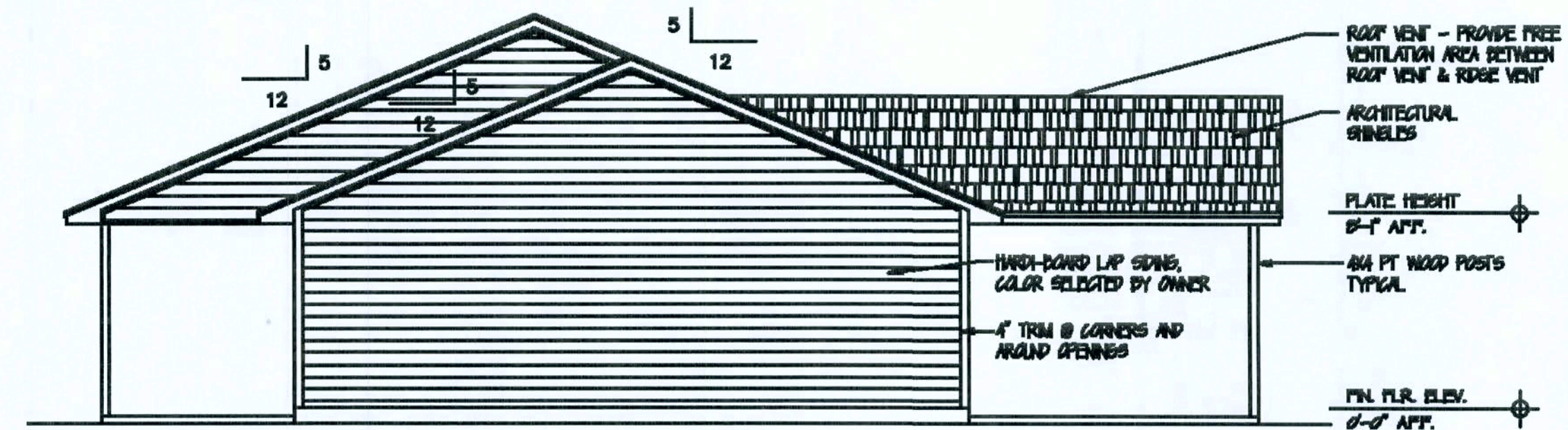
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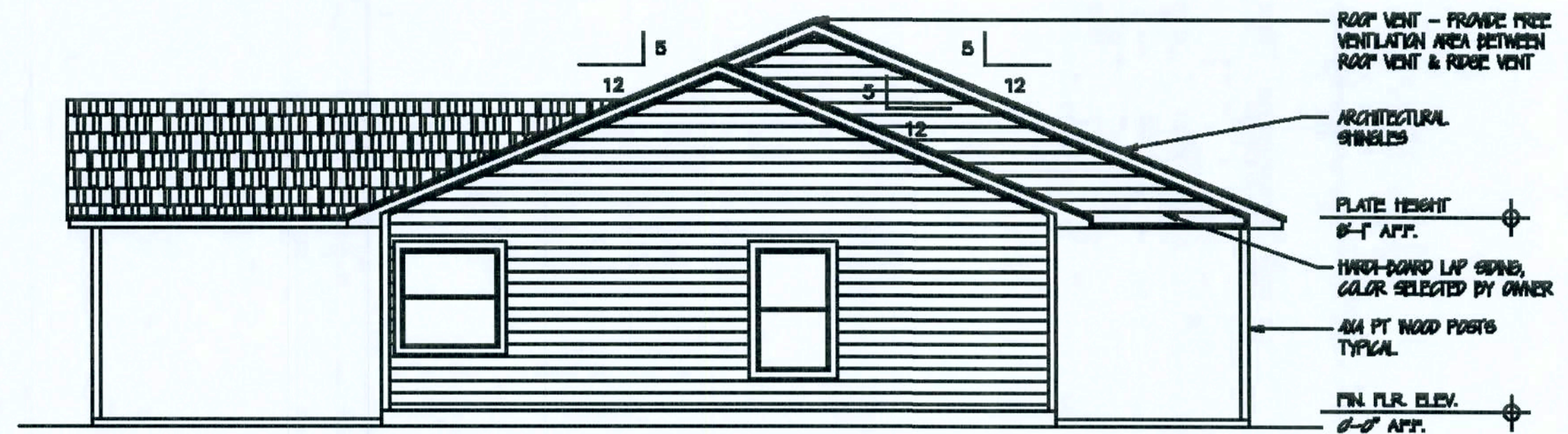
FRONT ELEVATION
3/16" = 1'-0"



RIGHT ELEVATION
3/16" = 1'-0"



REAR ELEVATION
3/16" = 1'-0"



LEFT ELEVATION
3/16" = 1'-0"

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