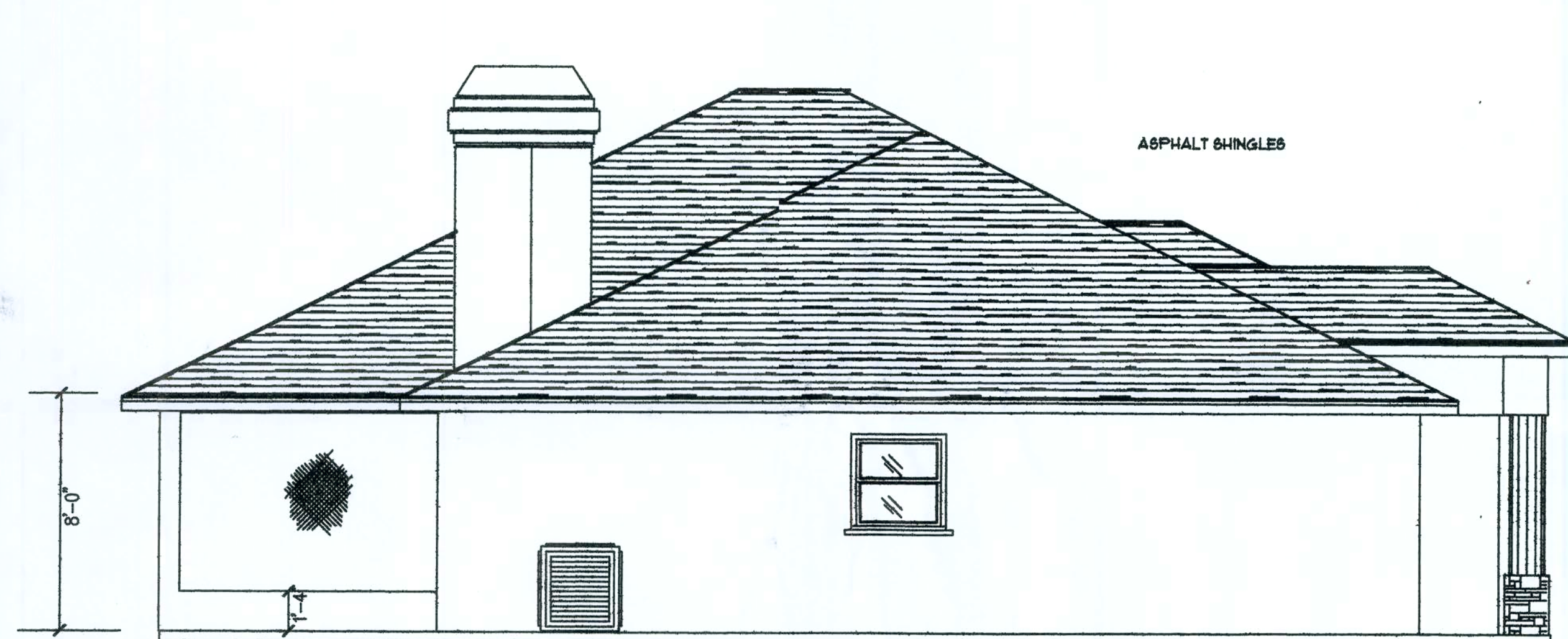
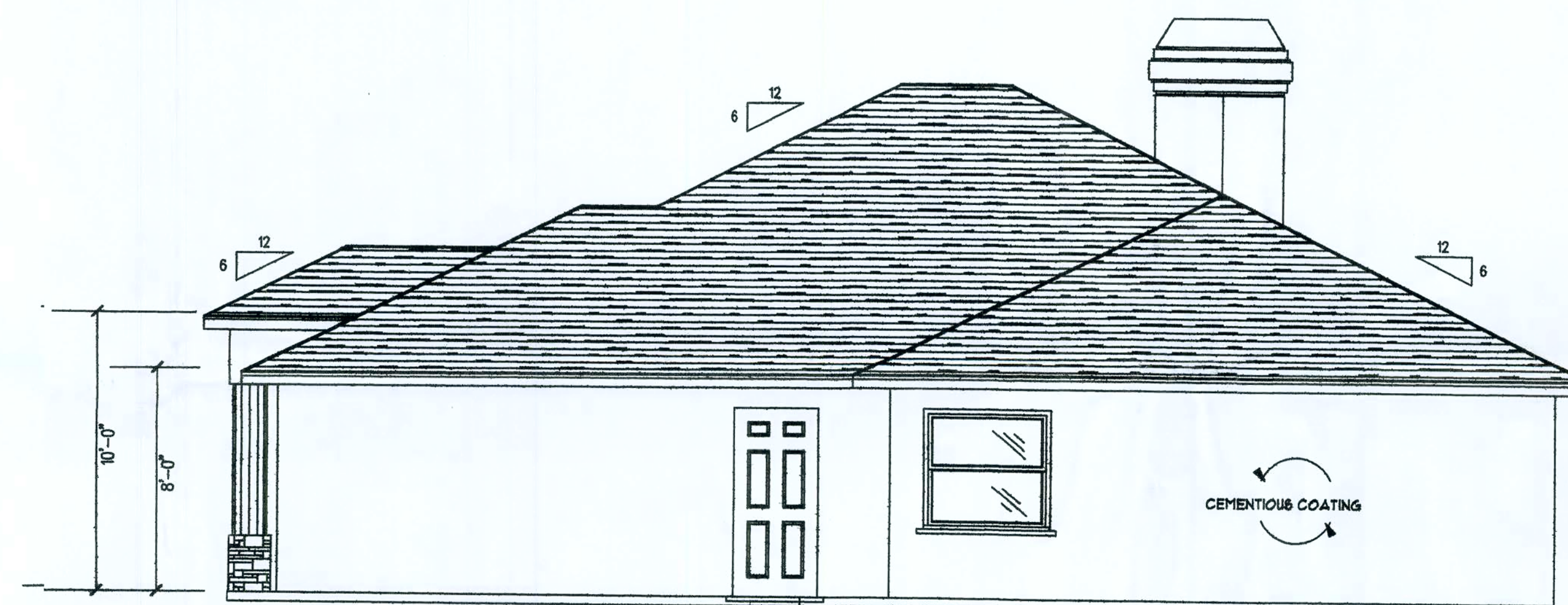




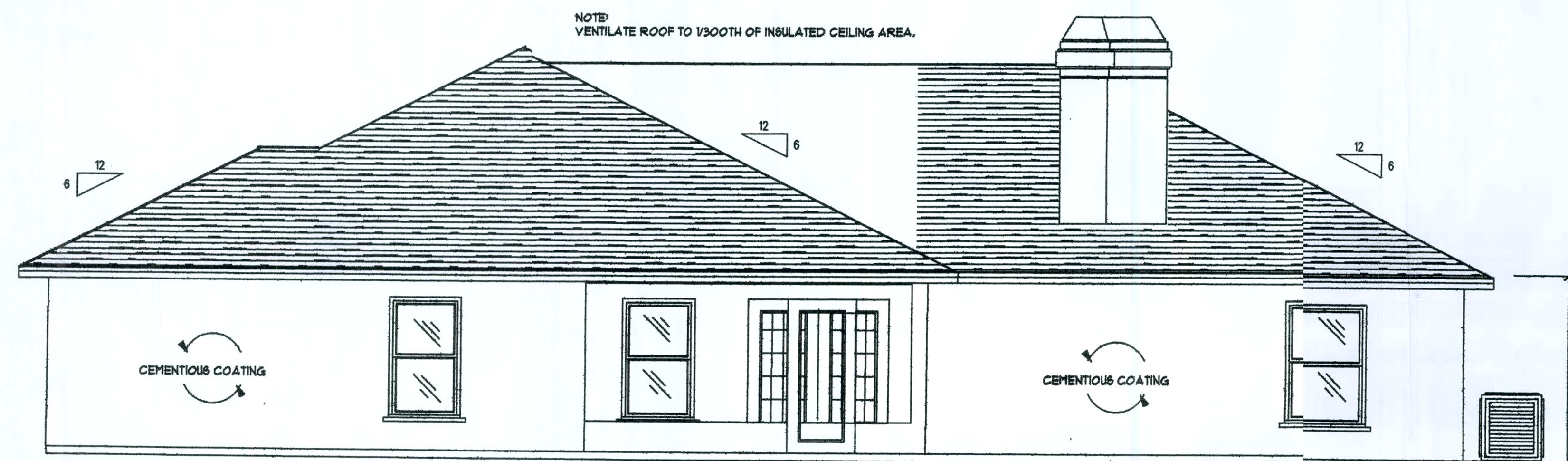
FRONT ELEVATION



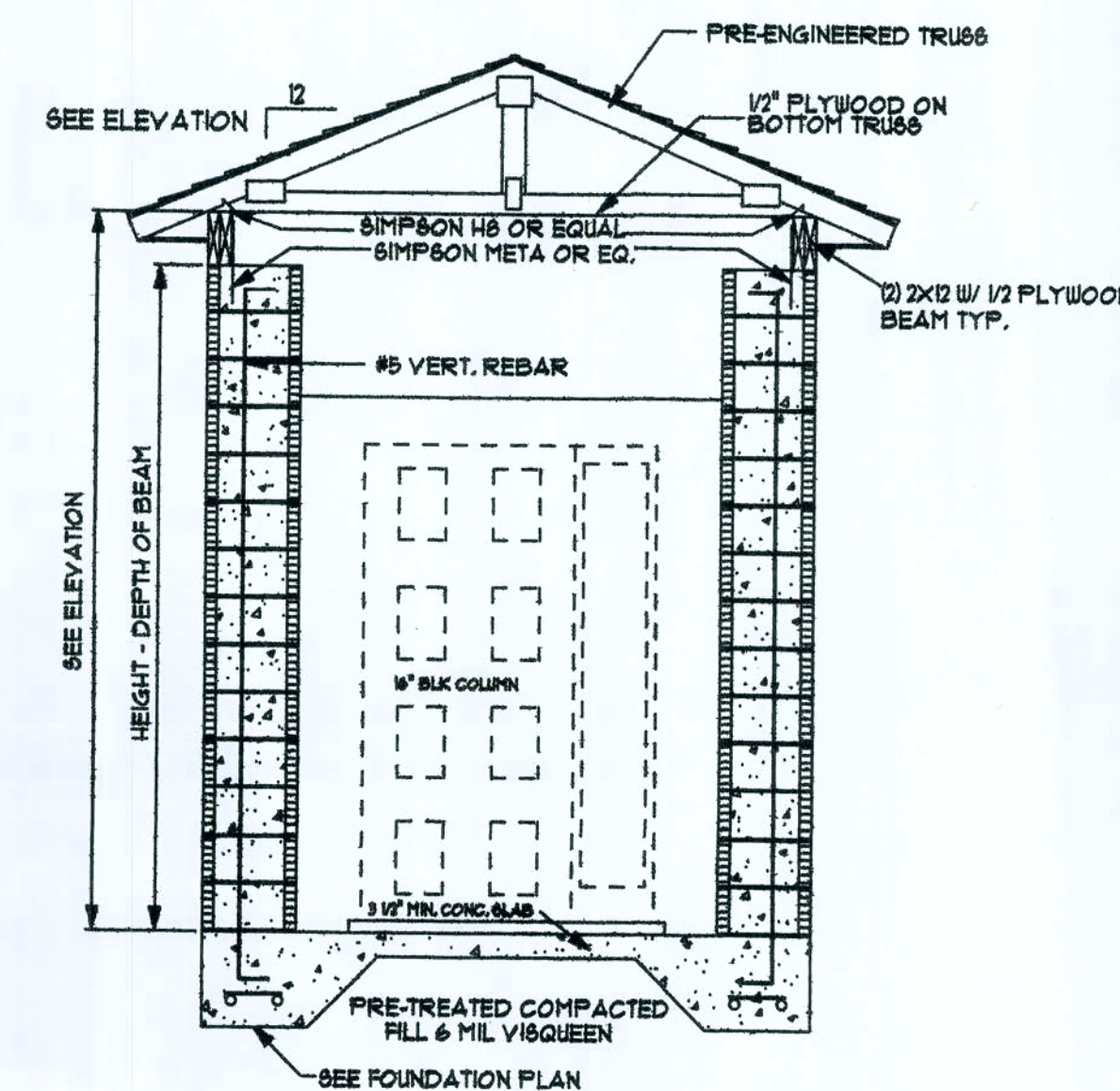
LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



COVERED ENTRY SECTION
SCALE: N.T.S.

DESIGN LOAD CRITERIA:

CODE: FLORIDA BUILDING CODE 2004
 BASIC WIND SPEED 120 MPH
 WIND IMPORTANCE FACTOR 1.0, CATEGORY II
 WIND EXPOSURE "B"
 INTERNAL PRESSURE COEFFICIENT ± 0.18
 MAXIMUM MEAN ROOF HT $\approx 11'-2"$ FEET
 COMPONENT & CLADDING WIND PRESSURE: PER FBC 2004 SEC. 1609
 ROOF LIVE LOAD W/ S.B.C. REDUCTIONS 20 PSF
 ROOF DEAD LOAD 17 PSF
 TOTAL LOAD 37 PSF

THIS STRUCTURE HAS BEEN DESIGNED
 IN COMPLIANCE WITH SECTION 1609 OF THE
 OF THE 2004 FBC-B & FBC-R FOR 110 MPH
 WIND ZONE FOR ALL OTHER PRESCRIPTIVES.

FE
 FERLITA ENGINEERING
 CAP 2625-4
 STRUCTURAL DESIGN BY:
 FERLITA ENGINEERING
 CIVIL ENGINEERING
 P.E. 41075
 4721 N. JORDA AVE.
 TAMPA, FLORIDA 33603
 PHONE (813) 234-5004

FBC 2004 CHAPTER 1605.3.1.
PERMIT INTENT. A permit issued shall be construed to be a license to proceed with the work and not responsibility to violate, correct, alter, or add any of the provisions of the technical codes, nor shall the provisions of a permit prevent the building official from enforcing any code or regulation of this code.
 These documents are not to be construed as a contract. The licensee may subsequently be revised by the engineer to reflect resolution of issues with the public agencies prior to the action by the agencies changes, revisions and modifications to a project may prompt additional document submitted for agency approval action on its same project.
 These documents shall not be filed for public record without the engineer of record's knowledge and consent.

DESIGN

Designer:	GBW
Drawn By:	GBW
Checked By:	Project No.

ACE
 COMPANY (813) 712-7134

PROJECT: NEW RESIDENCE FOR:
MR. & MRS. BENJAMIN & JULIA ATKINS
MIXON RD, LAKE CITY FLORIDA 32024

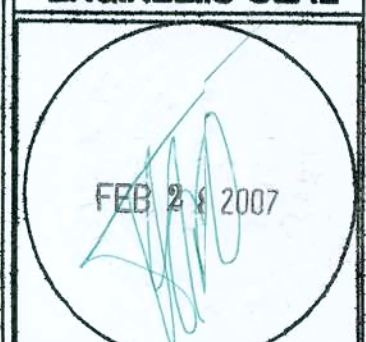
REVISIONS

ENGINEERING

Designer:	Date:
GBW	02/14/07
Drawn By:	Scale:
GBW	1/4"=1'-0"
Checked By:	Project No.
	0602401

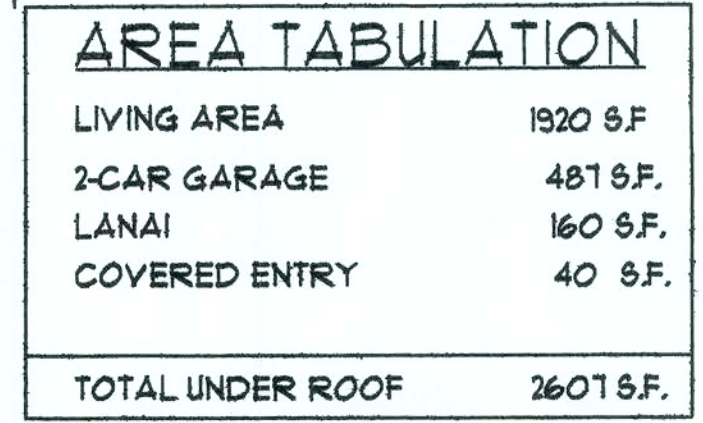
TITLE SHEET

ENGINEERS SEAL



SHEET #

A1.1
 OF



The diagram illustrates the Garage Door Lintel Detail, showing both a Cross Section and an Elevation view.

Cross Section: This view shows the vertical profile of the lintel. It includes a pre-cast section on top and a poured section below. Key features include:

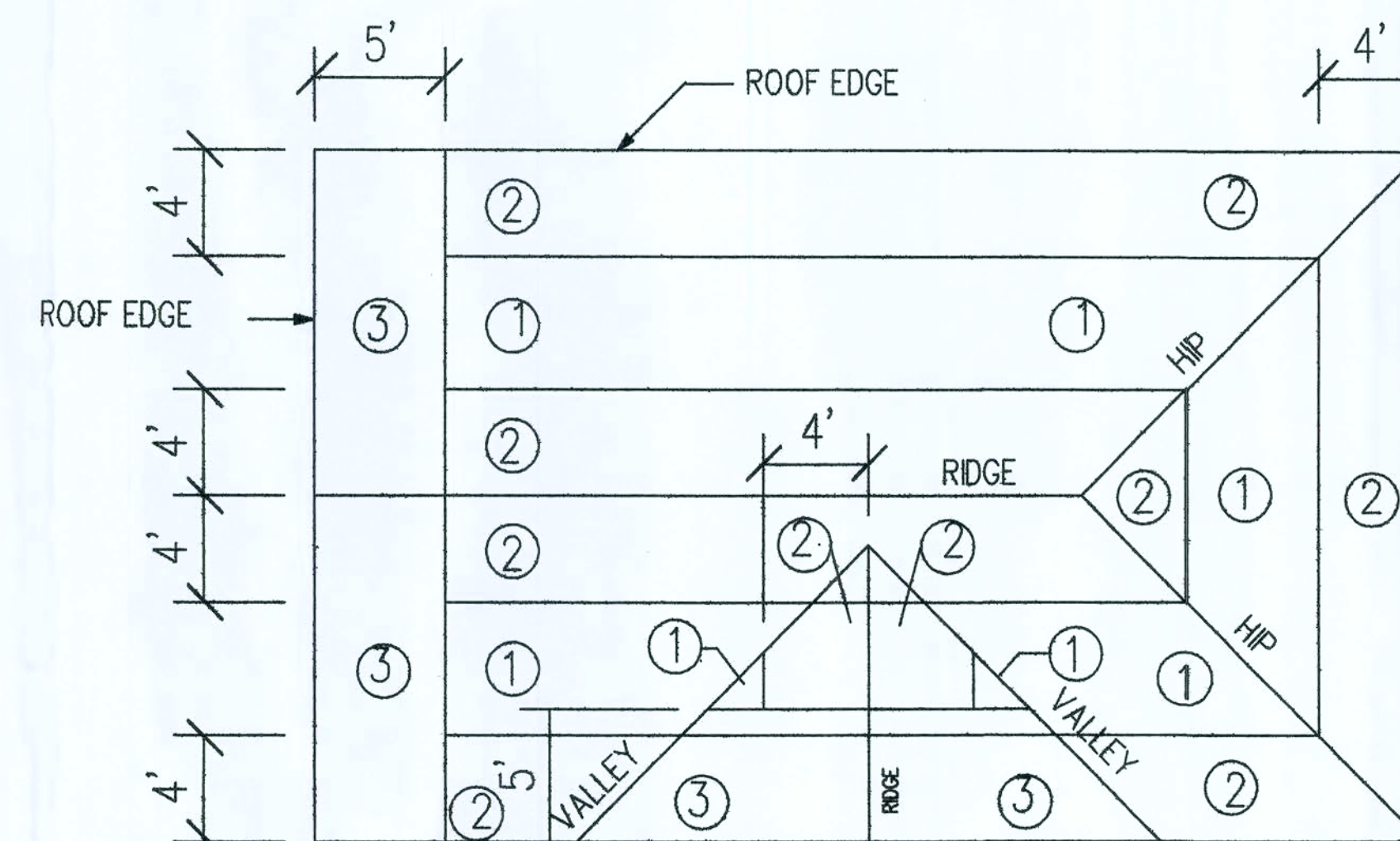
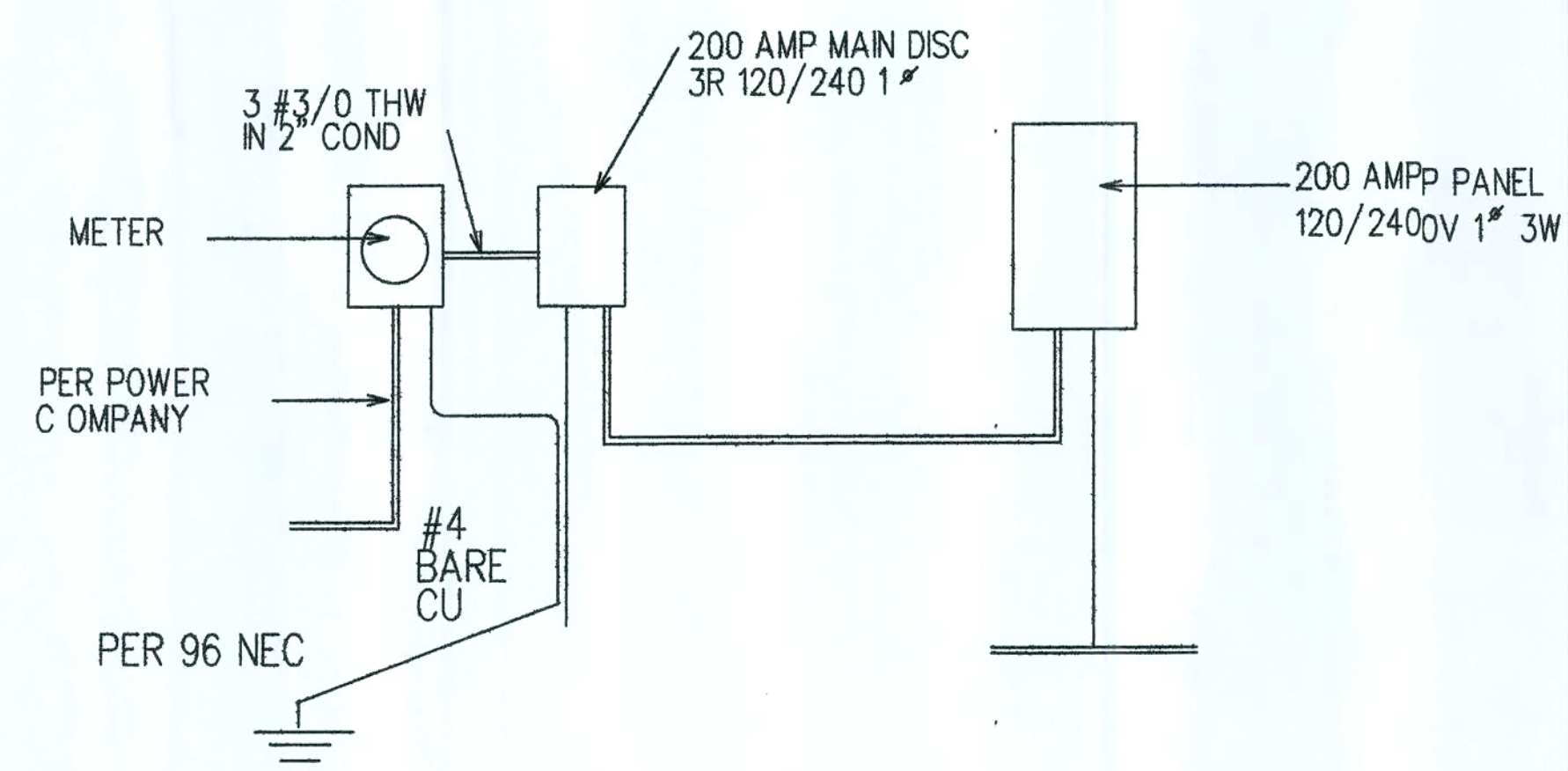
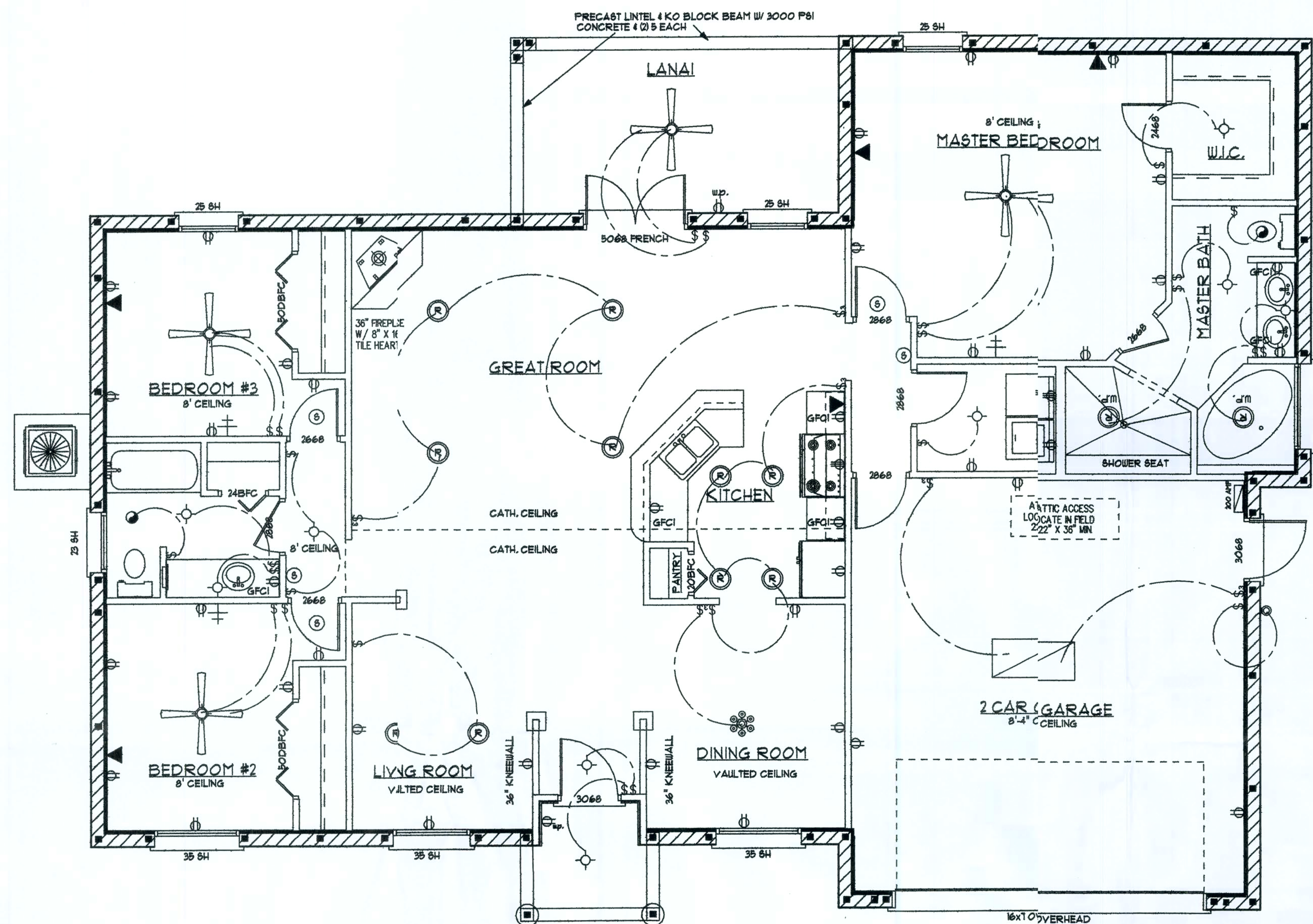
- * #5 REBAR CONT.** and *** #5 REBAR ABV. GARAGE PRE-CAST REBAR TO MATCH LENGTH OF PRE-CAST**: These labels point to the reinforcement bars within the pre-cast section.
- HGT. VARIES**: This label is placed on both the left and right sides of the pre-cast section, indicating that the height can vary.
- * NOTE DISTANCE BETWEEN PRE-CAST LINTEL ABV. GARAGE DOOR & CONT. POURED LINTEL MAY VARY W/ DIFFENT BRG. HGT. & DOOR HGT.**: This note explains that the distance between the pre-cast lintel above the garage door and the continuous poured lintel can vary depending on the bridge height and door height.
- CROSS SECTION**: This label is centered below the cross-section drawing.

Elevation: This view shows the horizontal profile of the lintel. It includes a pre-cast section on top and a poured section below. Key features include:

- CAT. POUR LINTEL**: This label points to the top section of the lintel.
- PRECAST LINTEL W/ #5**: This label points to the pre-cast section of the lintel.
- 8" MIN. SOLID POUR**: This label points to the solid poured section of the lintel, indicating a minimum thickness of 8 inches.
- 16'-0" MAX. OPENING**: This label points to the opening in the lintel, indicating a maximum length of 16 feet.
- HGT. VARIES**: This label is placed on both the left and right sides of the pre-cast section, indicating that the height can vary.
- ELEVATION**: This label is centered below the elevation drawing.

Garage Door Lintel Detail

THIS STRUCTURE HAS BEEN DESIGNED
IN COMPLIANCE WITH SECTION 1609 OF THE
OF THE 2004 FBC-B & FBC-R FOR 110 MPH
WIND ZONE FOR ALL OTHER PRESCRIPTIVES.



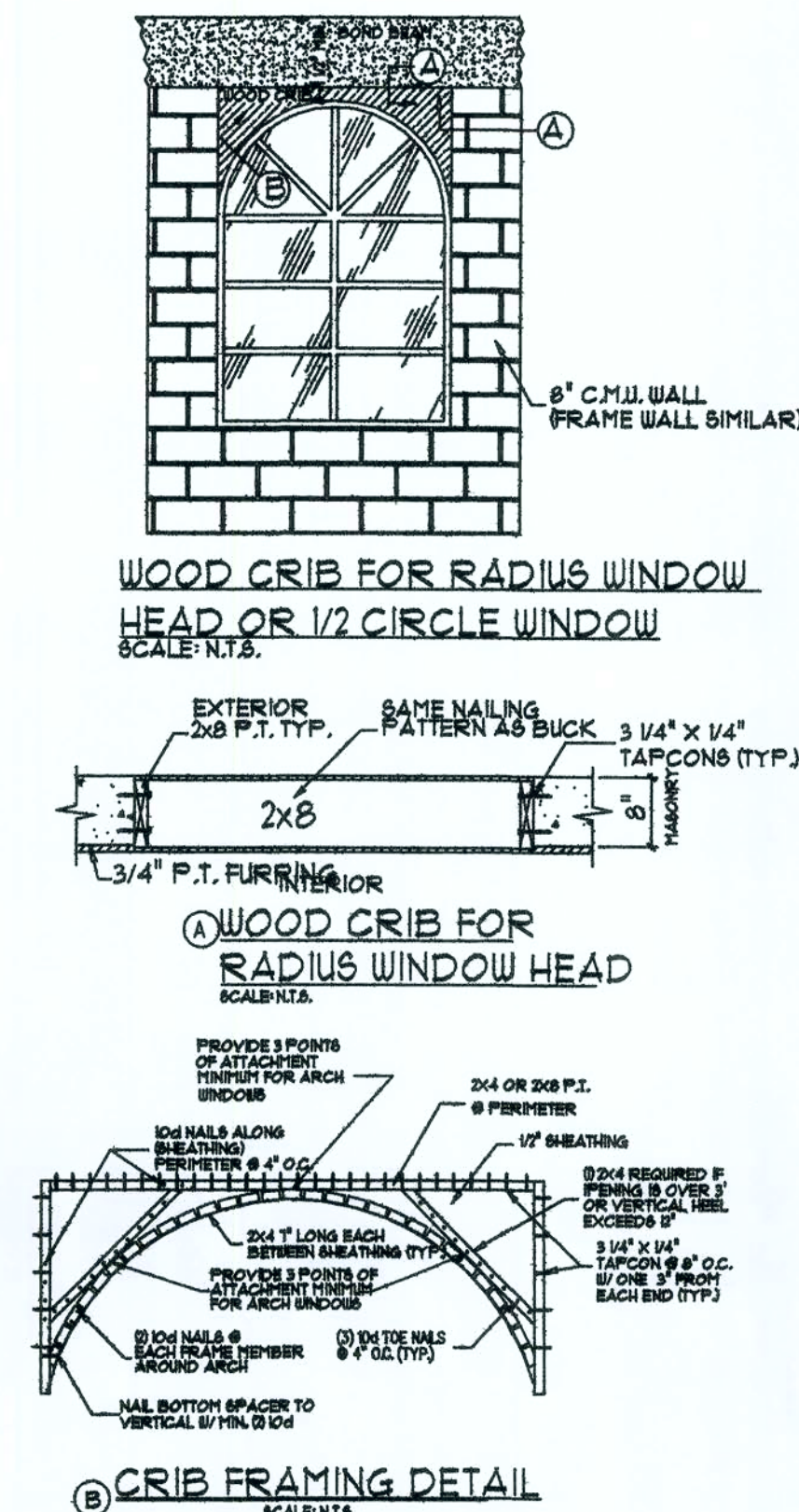
ELECTRICAL LEGEND			
	DUPLEX RECEPTACLE		ACCENT LIGHT
	220V RECEPTACLE		FLUORESCENT LIGHT
	WEATHERPROOF RECP.		TELEVISION OUTLET
	GROUND FAULT INTERRUPT		PHONE JACK
	ARC FAULT INTERUPT		SMOKE DETECTOR
	SINGLE SWITCH		LIGHT FIXTURE
	THREE-WAY SWITCH		VENT FAN
	RECESSED CAN		

ELECTRICAL NOTES:

1. SMOKE DETECTORS TO BE HARD WIRED & INTERCONNECTED W/BATTERY BACKUPS.
2. ALL BEDROOM RECEPTS. TO BE AFCI PROTECTED.
3. ALL GARAGE AND BATH RECEPTS. TO BE GFCI PROTECTED.

ELECTRICAL NOTES:

1. SMOKE DETECTORS TO BE HARD WIRED & INTERCONNECTED W/BATTERY BACKUPS.
2. ALL BEDROOM RECEPTS. TO BE AFCI PROTECTED.
3. ALL GARAGE AND BATH RECEPTS. TO BE GFCI PROTECTED.



PRODUCT APPROVAL

App/Seq #	Manufacturer	Category	Subcategory
FL1936	ATLAS ROOFING CORP.	ROOFING	ROOFING INSULATION
FL184	ATLAS ROOFING CORP.	ROOFING	ASPHALT SHINGLES
FL542	CLOPAY BUILDING PRODUCTS COMPANY	EXTERIOR DOORS	SECTIONAL
FL255	MARION MASONARY MATERIALS, INC.	STRUCTURAL COMPONENTS	OTHER
FL210	NuAir Windows and Doors	Windows	Mullions
FL211	NuAir Windows and Doors	Windows	Single Hung
FL212	NuAir Windows and Doors	Exterior Doors	Sliding
FL2276	OWENS CORNING	ROOFING	CEMENTS-ADHESIVES COATINGS
FL1000	OWENS CORNING	ROOFING	UNDERLAYMENTS
FL320	OWENS CORNING	PANEL WALLS	SIDING
FL538	SIMPSON STRONG-TIE CO.	STRUCTURAL COMPONENTS	WOOD CONNECTORS & ANCHORS
FL252	SUNCOAST BUILDING PRODUCTS	PANEL WALLS	SIDING
FL1956	TAMKO ROOFING PRODUCTS, INC.	ROOFING	ASPHALT SHINGLES
FL1960	TAMKO ROOFING PRODUCTS, INC.	ROOFING	CEMENTS-ADHESIVE COATINGS
FL1744	TAMKO ROOFING PRODUCTS, INC.	ROOFING	UNDERLAYMENTS
FL1612	TRUSSAL SYSTEMS CORP.	STRUCTURAL COMPONENTS	TRUSS PLATES
FL2197	MITEK INDUSTRIES, INC.	STRUCTURAL COMPONENTS	TRUSS PLATES
FL576	UNITED STEEL PRODUCTS COMPANY	STRUCTURAL COMPONENTS	WOOD CONNECTORS & ANCHORS
FL158	FECF CORP., CAST-CRETE DIVISION	STRUCTURAL COMPONENTS	OTHER

THIS STRUCTURE HAS BEEN DESIGNED
IN COMPLIANCE WITH SECTION 1609 OF THE
OF THE 2004 FBC-B & FBC-R FOR 110 MPH
WIND ZONE FOR ALL OTHER PRESCRIPTIVES.



STRUCTURAL DESIGN BY:
FERLITA ENGINEERING
CIVIL ENGINEERING
FE# 47075
4221N. Florida Ave.
TAMPA FLORIDA 33603
PHONE (813) 234-5004

FBC 200: CHAPTER 105.9.1
WORK INTER: A permit issued that be used by a contractor to perform work on a project and not as authority to violate, amend, alter, or set aside any of the provisions of its technical codes, nor shall it constitute a promise that the building official will not interfere with a contractor's efforts in place, construction, or violations of the code.

These documents are not in final form, but are being transmitted to public agencies to receive agency reviews, comments and approvals. The documents may be subsequently revised by the engineer to reflect resolution of issues with the public agencies prior to final action by the agencies change, revisions and modifications to a project may prompt additional revisions for agency approval action in the same project.

These documents shall not be filed for record without the engineer of record's knowledge and consent.

DESIGN	
Designer: GBW	
Drawn By: GBW	Date:
Checked By:	Project No.



PROJECT: NEW RESIDENCE FOR:
MR. & MRS. BENJAMIN & JULIA ATKINS
MIXON RD, LAKE CITY FLORIDA 32022

REVISIONS

ENGINEERING	
Designer: GBW	Date: 02/14/07
Drawn By: GBW	Scale: 1/4"=1'-0"
Checked By:	Project No. DW021407

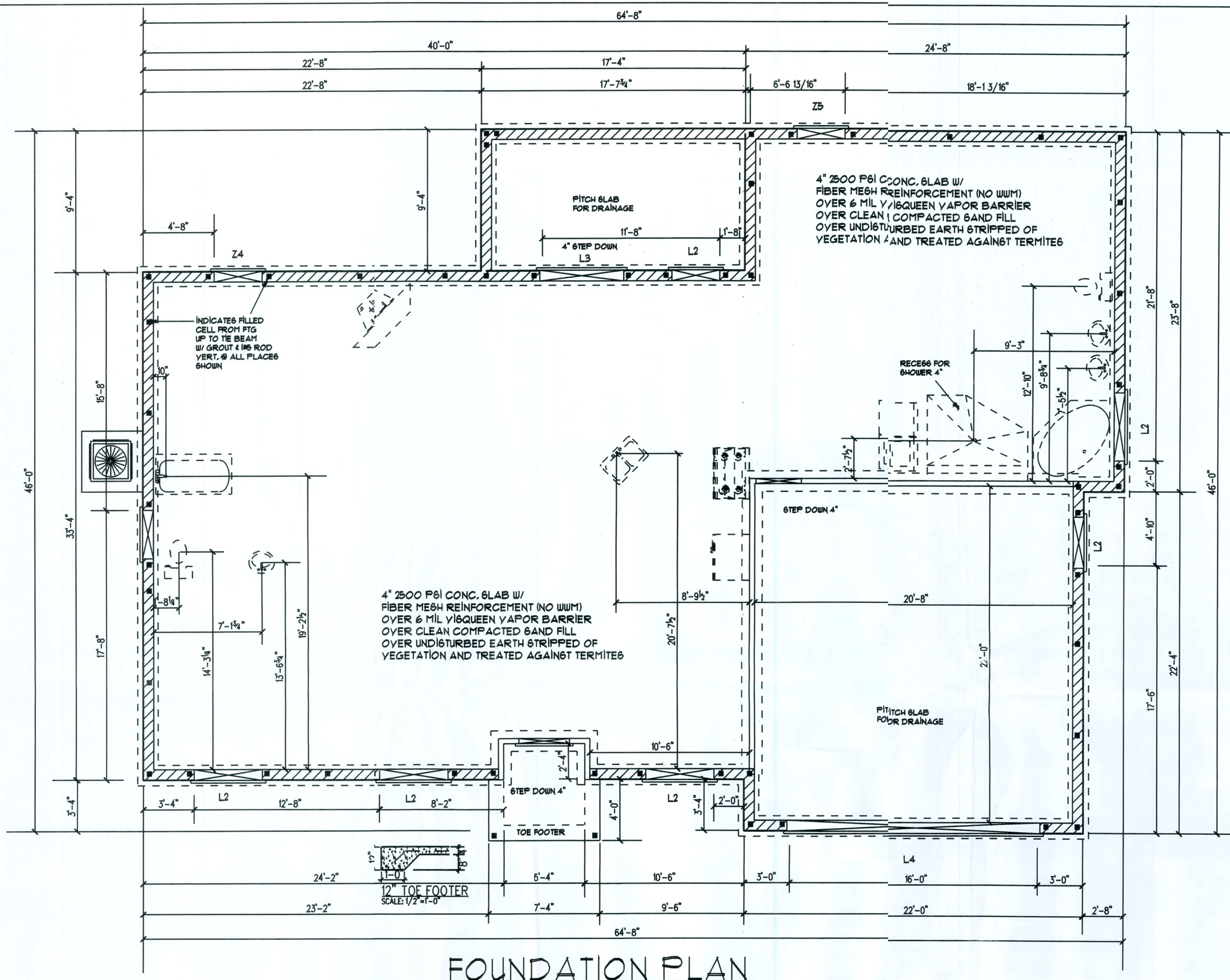
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ENGINEERS SEAL

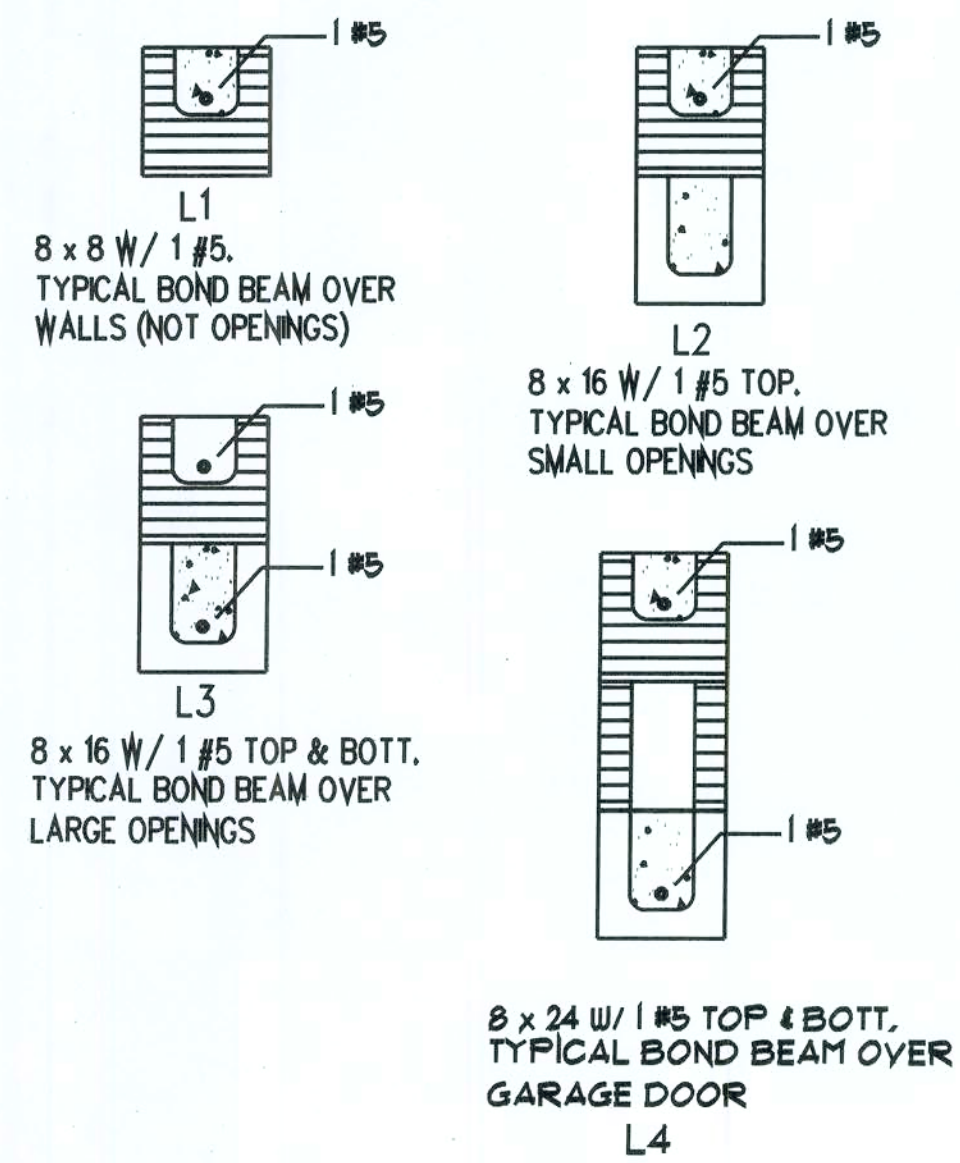
SHEET #

A1.3

OF

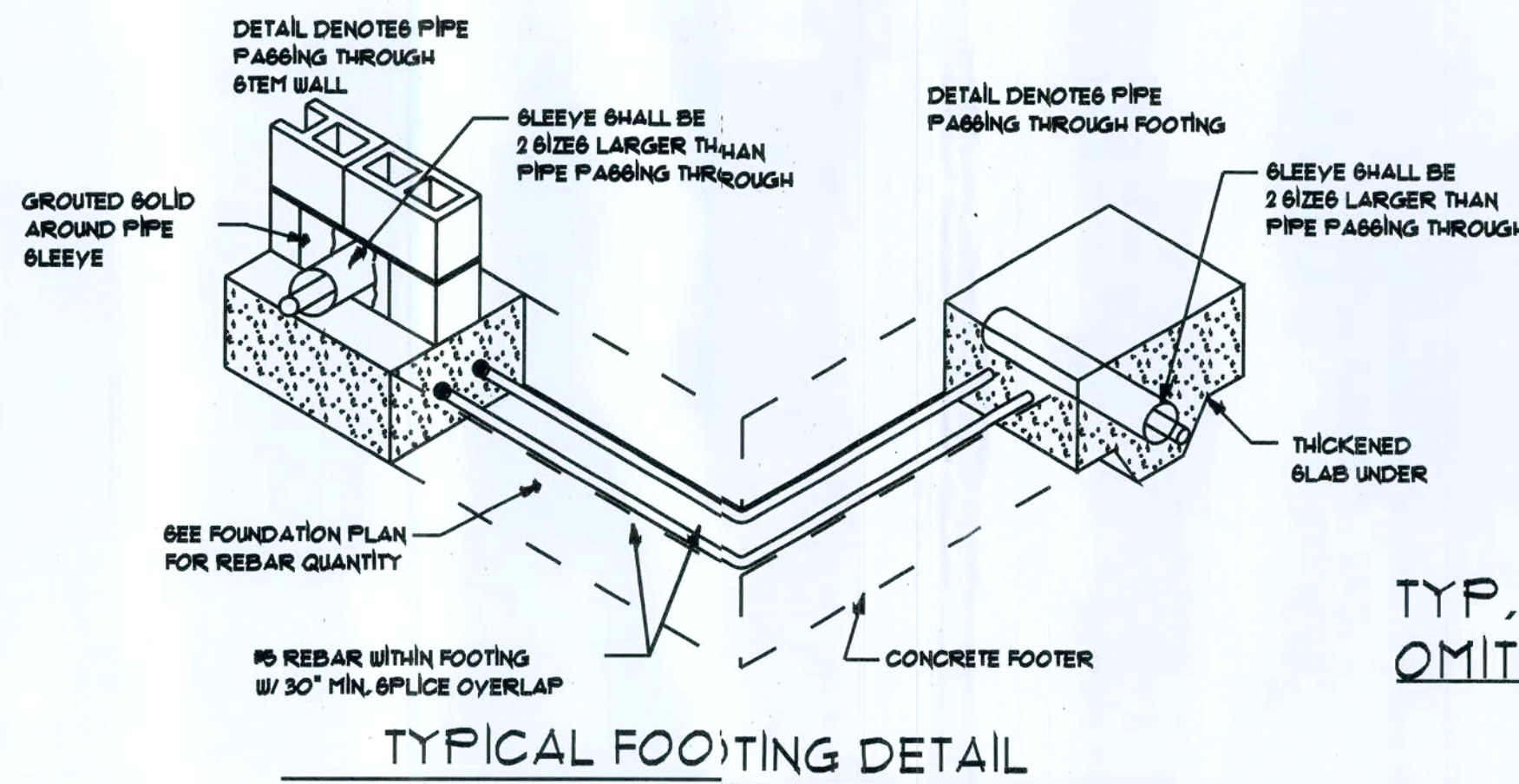


FOUNDATION PLAN

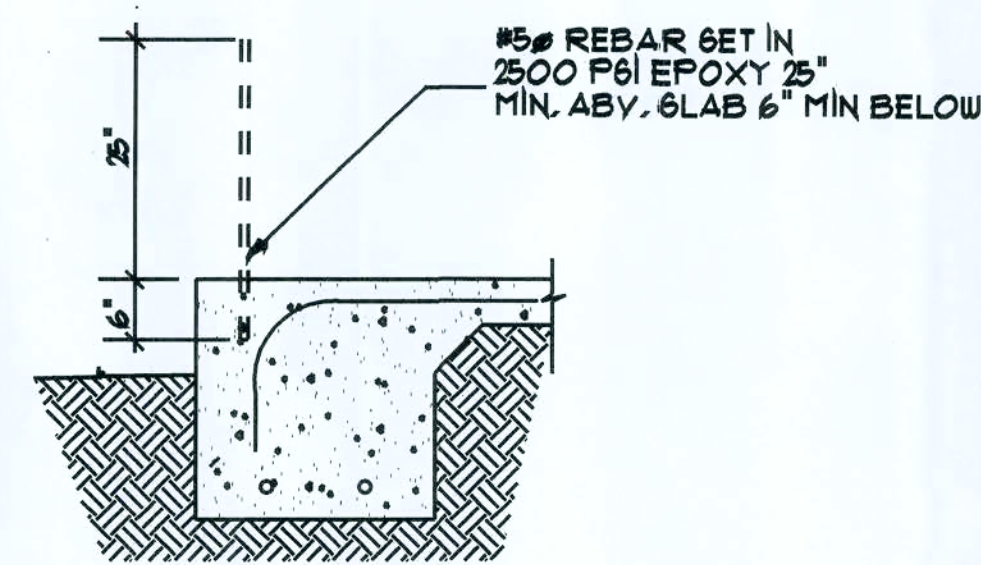


ANCHOR LEGEND - ONE STORY	
1	8" WIDE (OR 10" WIDE) STRAP CAPACITY FOR APPROVED EQUAL BY N.Y.C. OR (U.S.P.) FOR ROOF CONNECTION: 4" DIA. NAIL = 284 LBS 6" DIA. NAIL = 359 LBS 8" DIA. NAIL = 426 LBS 10" DIA. NAIL = 481 LBS 12" DIA. NAIL = 568 LBS 14" DIA. NAIL = 639 LBS 16" DIA. NAIL = 10 LBS 18" DIA. NAIL = 81 LBS 20" DIA. NAIL = 92 LBS 24" DIA. NAIL = 92 LBS 36" DIA. NAIL = 1000 LBS (SIMPSON'S MAXIMUM)
2	ONE SIMPSON HT82 STRAP OR APPROVED EQUAL BY N.Y.C. OR (U.S.P.) W/ 4" DIA. NAIL & 3" WIDE STRAP CAPACITY FOR 4" HT82 = 4000 LBS (MAX)
3	U.S.P. 120 STRAP OR APPROVED EQUAL BY N.Y.C. OR (U.S.P.) W/ 4" DIA. NAIL ANCHOR CAPACITY 668 LBS
4	U.S.P. 136 STRAP OR APPROVED EQUAL BY N.Y.C. OR (U.S.P.) W/ 4" DIA. NAIL ANCHOR CAPACITY 668 LBS

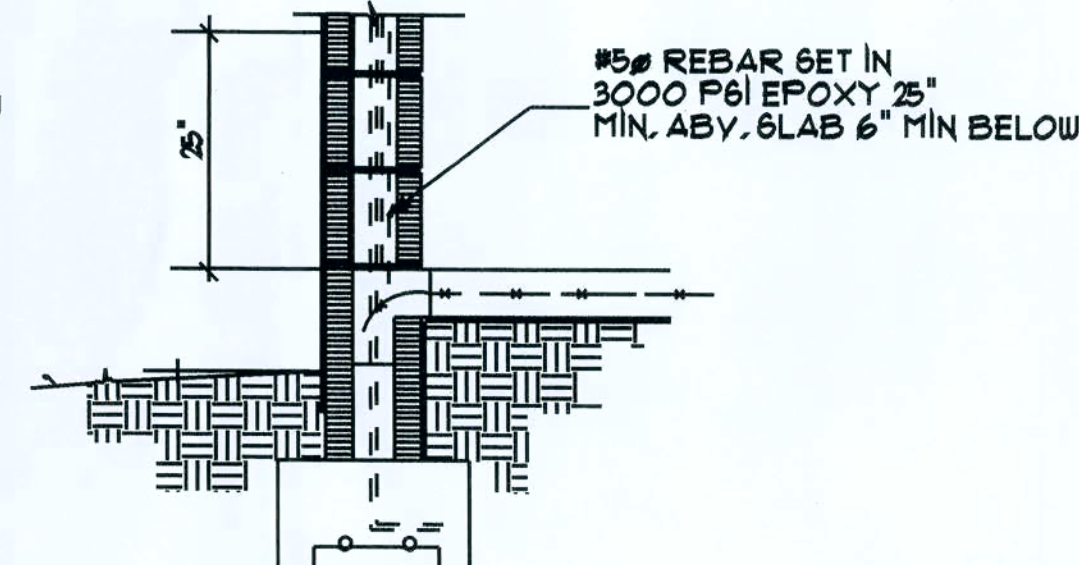
BOND BEAM DETAILS
SCALE: 1" = 1'-0"
NOTE: ALL BOTTOM REINFORCEMENT SHALL EXTEND 16" INTO SUPPORT.
ALL TOP REINFORCEMENT SHALL BE CONTINUOUS W/ 30" LAPS AT CORNERS



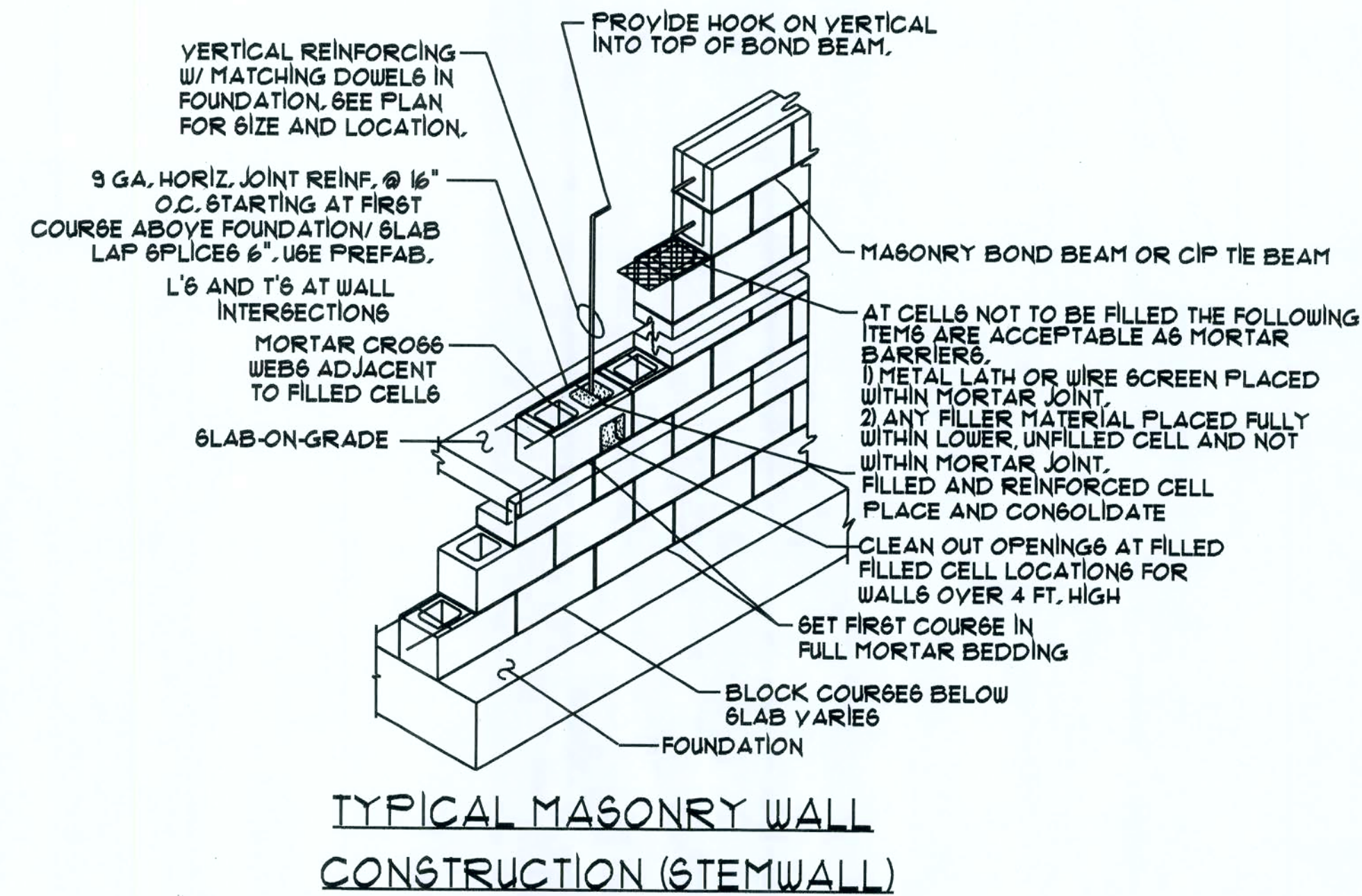
TYPICAL FOOTING DETAIL



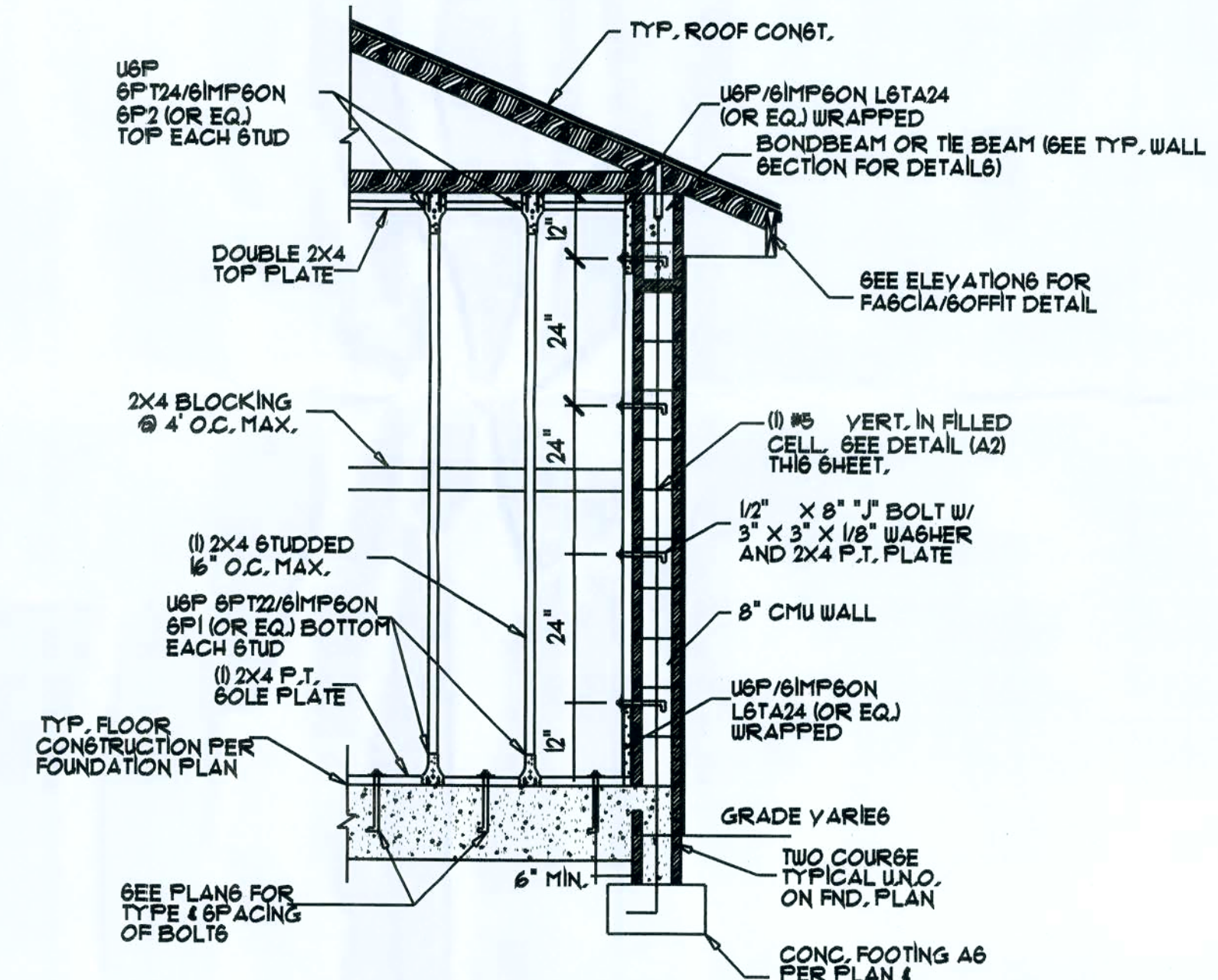
TYP. RETROFIT FOR ALL OMITTED FOUNDATION DOWELS



TYP. RETROFIT FOR ALL OMITTED FOUNDATION DOWELS



TYPICAL MASONRY WALL CONSTRUCTION (STEM WALL)



MIXED CONSTRUCTION & STANDARD WOOD BRG. WALL DETAIL
SCALE: 1/2" = 1'-0"



FE
FERRITA ENGINEERING

STRUCTURAL DESIGN BY:
FERRITA ENGINEERING
P.E. # 41215
4221 N. Florida Ave.
TAMPA, FLORIDA 33603
PHONE (813) 234-5004

PER 2004 CHAPTER 105.3.1
PERMITS: A permit issued shall be continued to be a license to proceed with the project and not an authority to violate, conceal, alter, or set aside any of the provisions of the technical codes, nor shall the issuance of a permit prevent the building official from thereafter requiring a correction of error in plans, construction or violations of the code.

These documents are not in final form, but are for use in the public domain. They are subject to review, comments and interpretations. The documents may be subsequently be revised by the engineer to reflect evolution of issues with the public agency prior to final action by the agency. Changes, revisions and modifications to a project may prompt additional documents submitted for agency approval on the same project. These documents shall not be filed for public record without the engineer's record knowledge and consent.

DESIGN
Designer: GEU
Drawn By: GEU
Checked By: GEU
Date: _____
Project No: _____

ACE
COMPANY (888) 712-7134

PROJECT: NEW RESIDENCE FOR:
MR. & MRS. BENJAMIN & JULIA ATKINS
MIXON RD, LAKE CITY FLORIDA 32024

REVISIONS

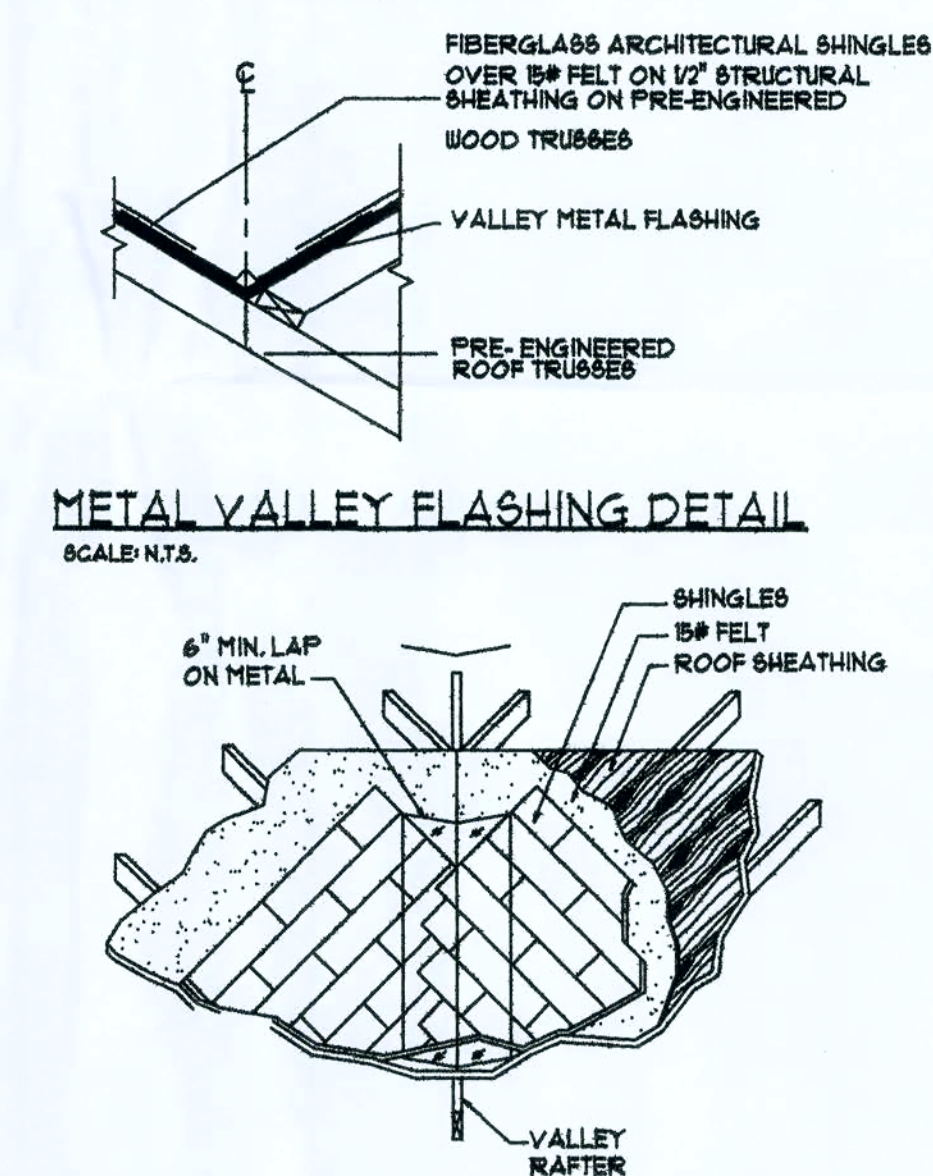
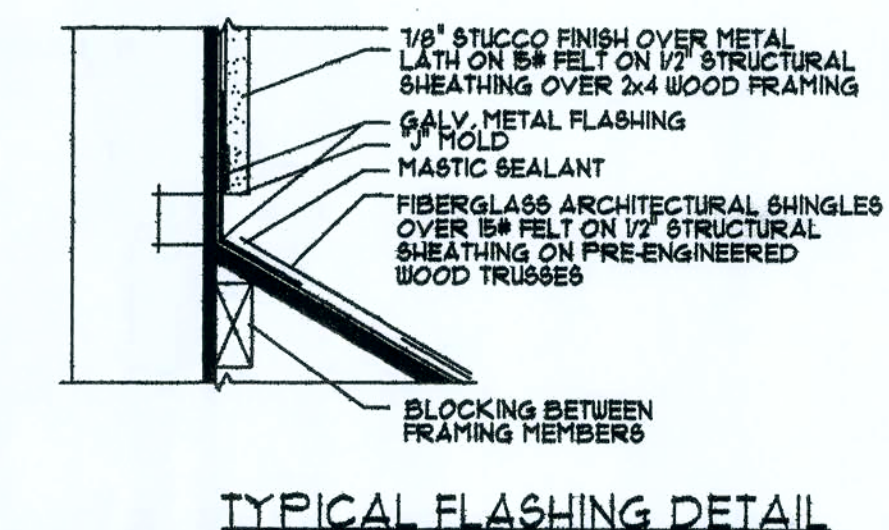
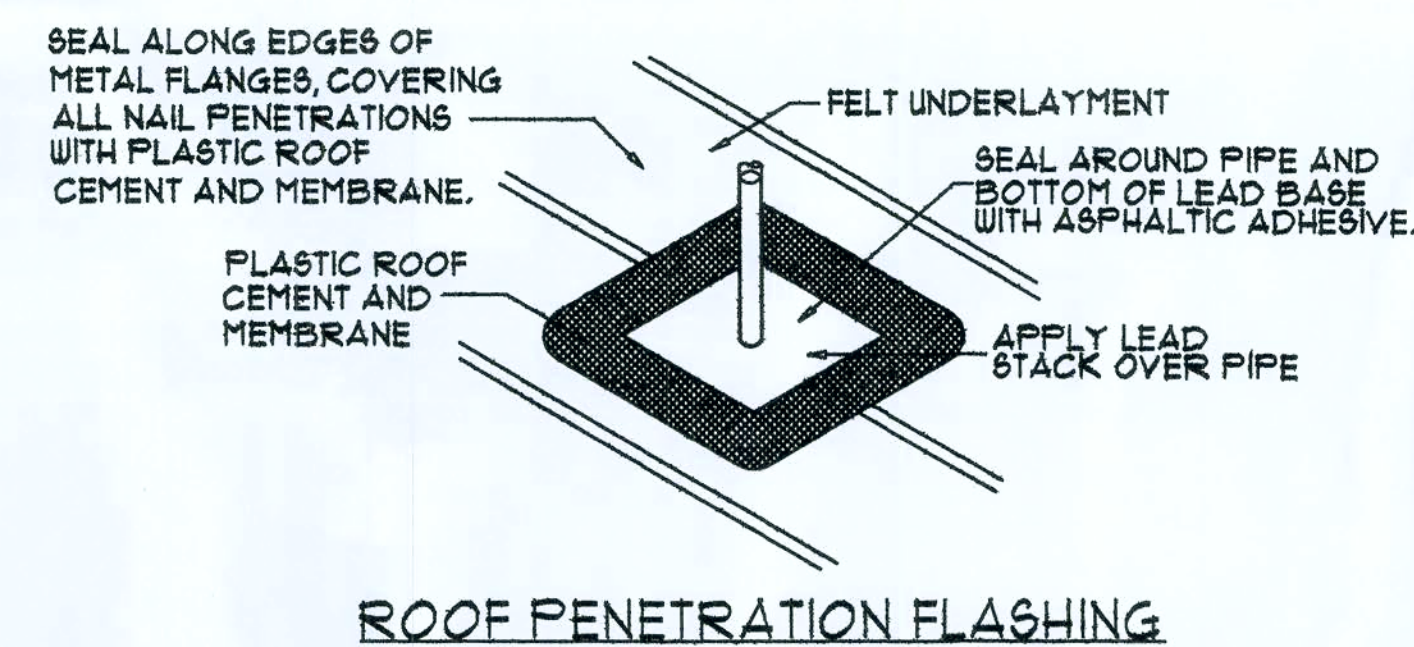
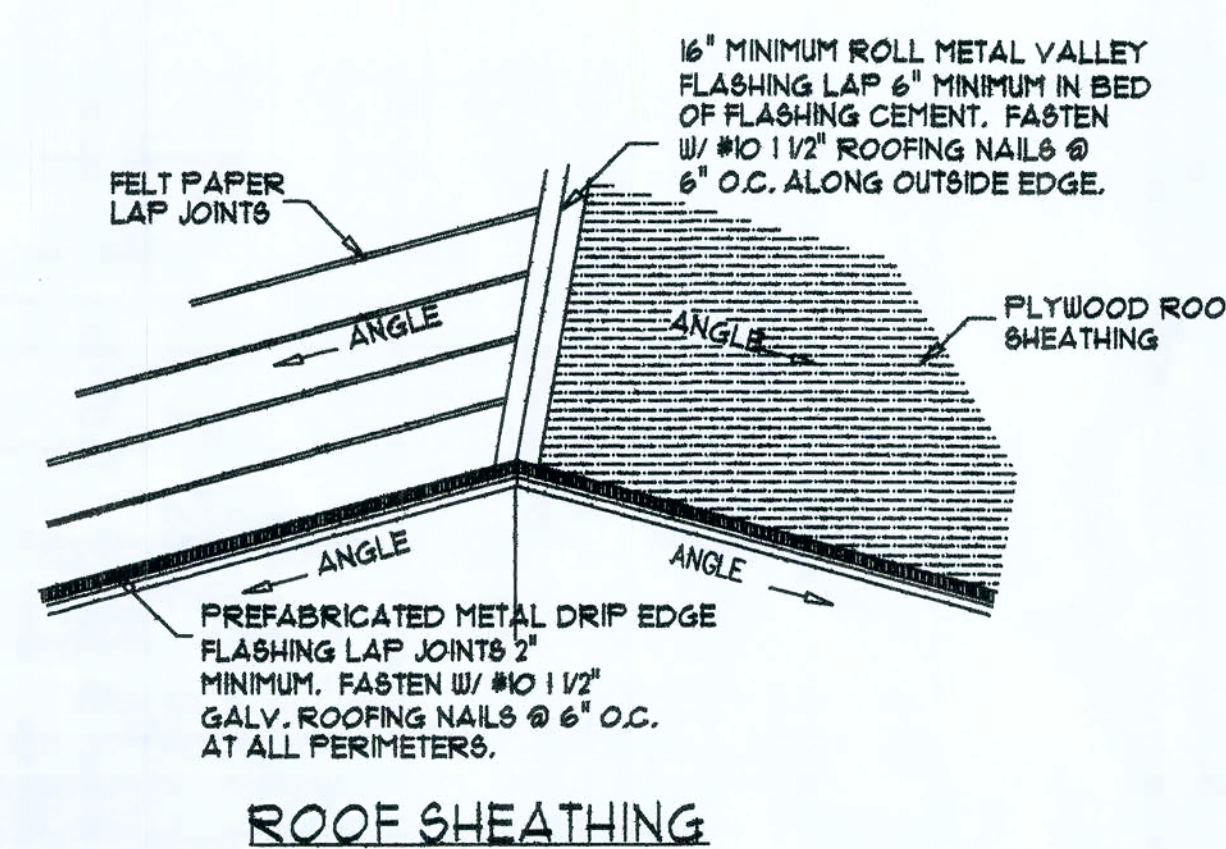
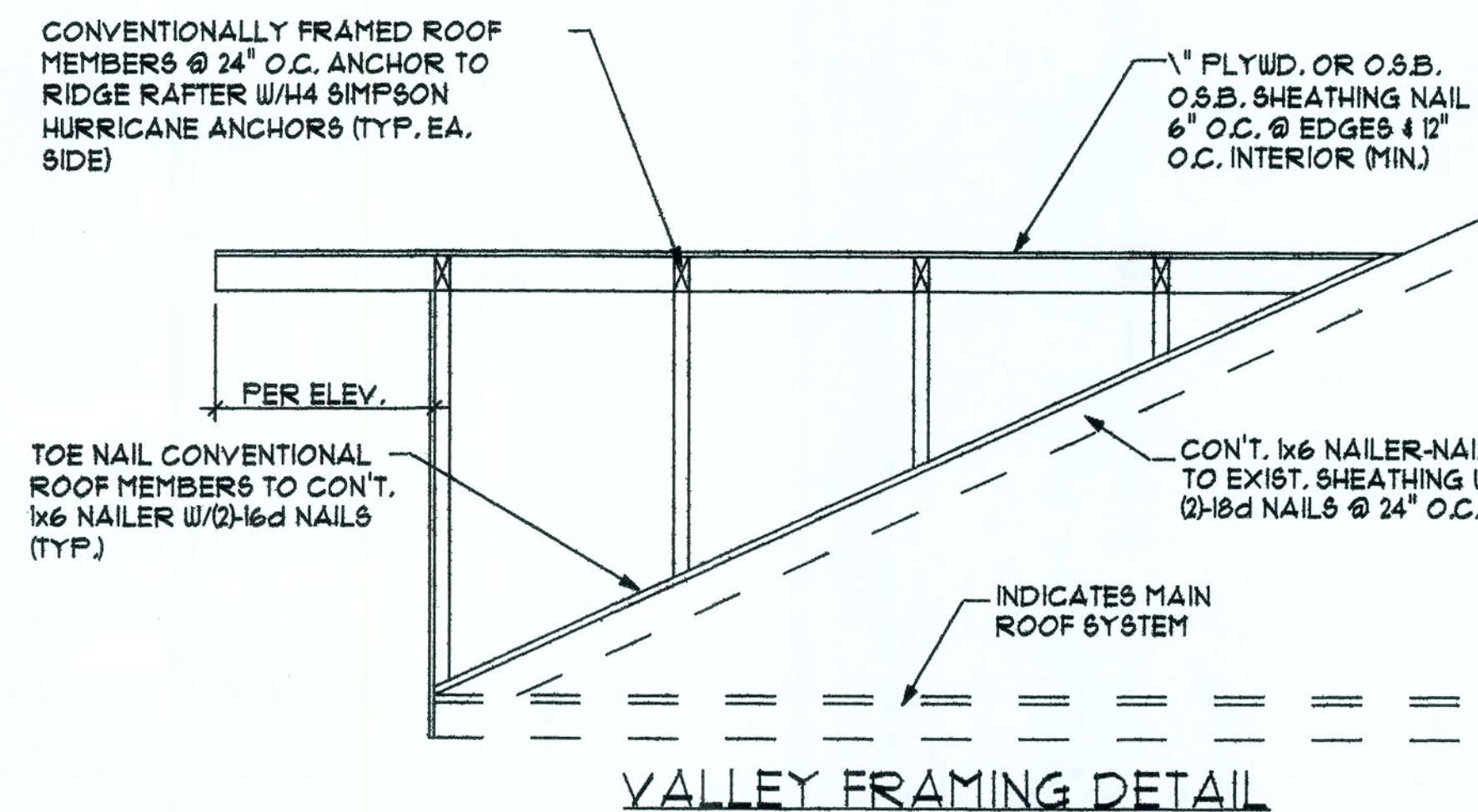
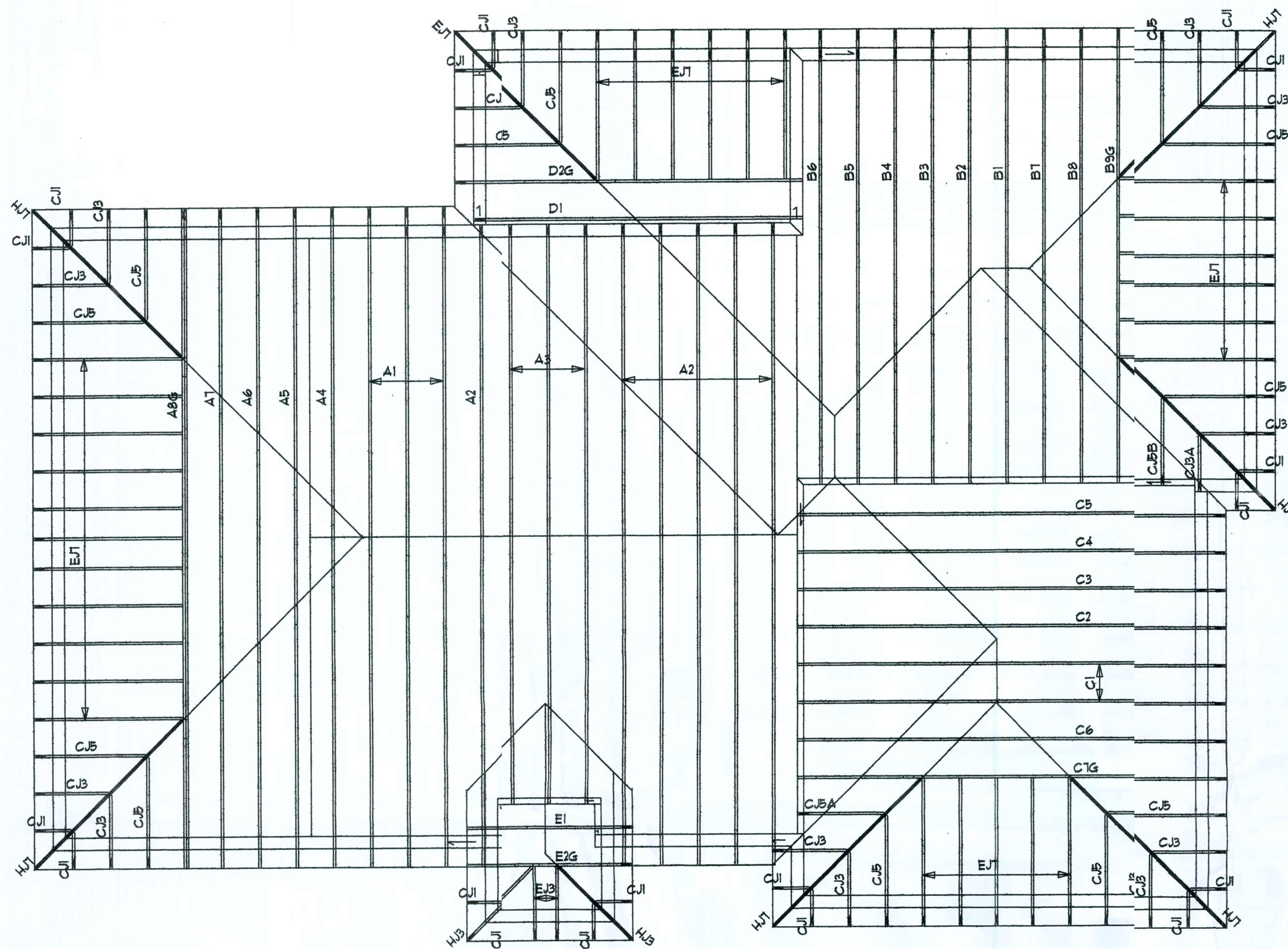
ENGINEERING
Designer: GEU
Drawn By: GEU
Checked By: GEU
Date: 02/14/07
Scale: 1/4" = 1'-0"
Project No: DWG2401

TITLE SHEET

ENGINEERS SEAL
FEB 28 2007

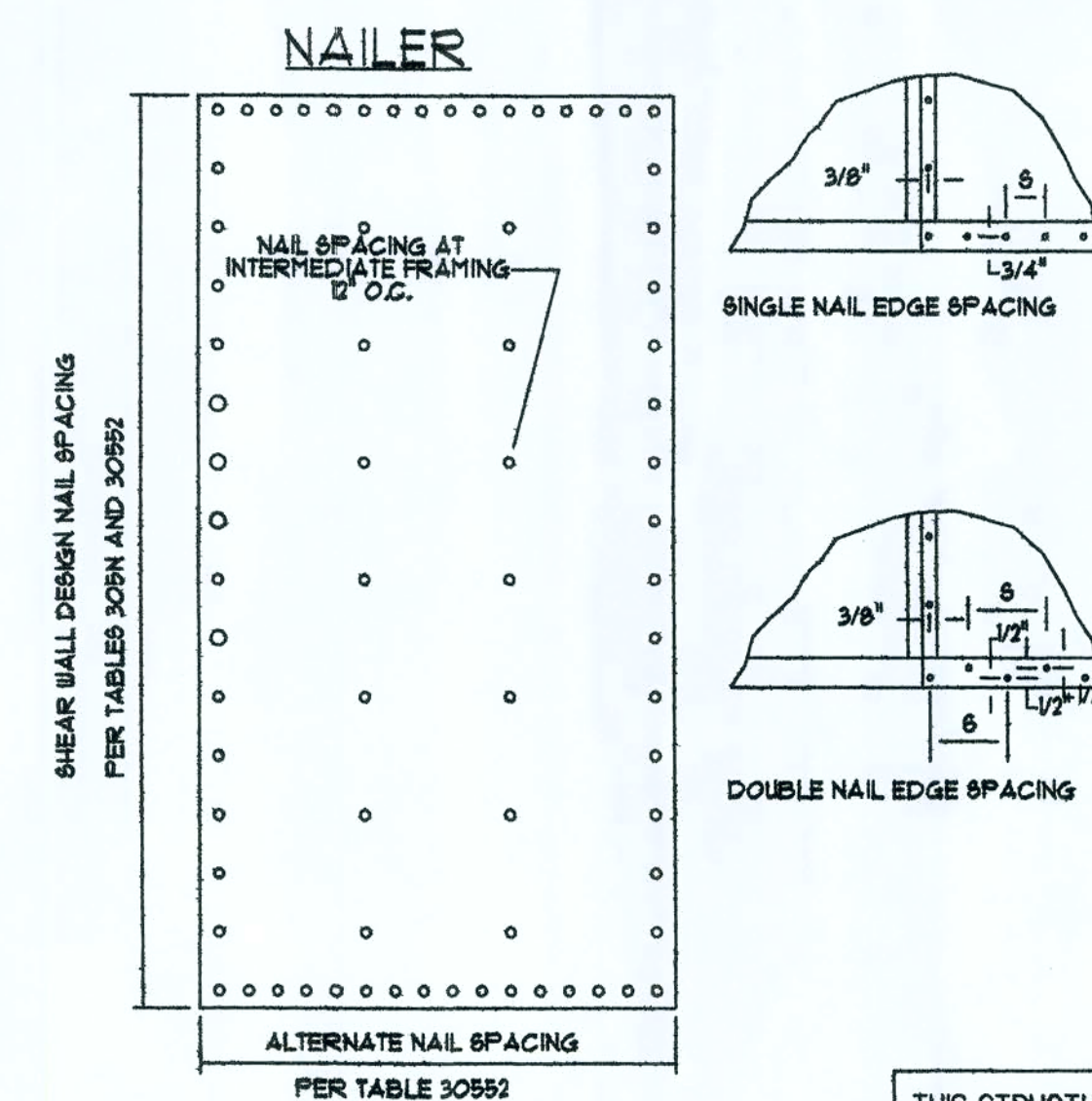
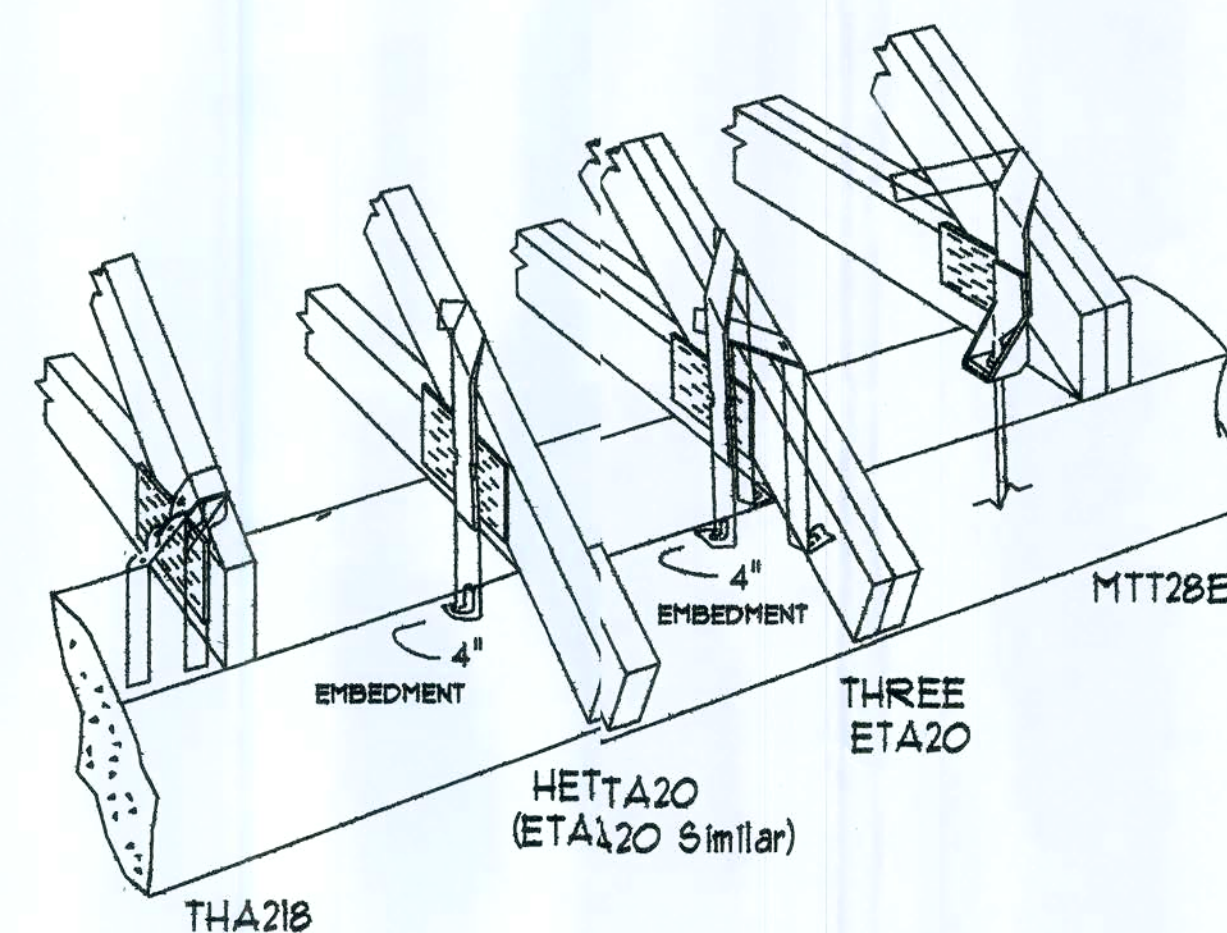
SHEET #
A1.4
OF

THIS STRUCTURE HAS BEEN DESIGNED IN COMPLIANCE WITH SECTION 1609 OF THE OF THE 2004 FBC-B & FBC-R FOR 110 MPH WIND ZONE FOR ALL OTHER PRESCRIPTIVES.



SIMPSON CONNECTOR* SCHEDULE					
Item #	Model	Fasteners	Uplift #	Shear #	
1	H1	10-8d	490	165	
2	LWS26	8-10d	930	830	
3	LSU26	(6)-10d & (5) 10d	485	665	
4	Bolt	1/2" Bolt System	4,800	1,100	Use 11/16" & 1/2" x 1 3/4" Coupling Nut. Cont. From Fig to True Bearing Plate
5	H25	(5) 8d & (5) 8d	415	150	
6	CS22	12-10d	620	-	
7	HUS181/10	(30) 16d & (10) 16d	2845	5145	
8	VTC2	(4) 10d & (5) 10d	405	630	Vally Connections
9	HE-TALJ2	(11) 10d6	1265	415	
10					
11					
12					

* Or Equal
Loads Taken From Manufacturers Specifications.
T/C: 1/4" X 1 3/4" Tap Con or Equal U.O.N.



THIS STRUCTURE HAS BEEN DESIGNED
IN COMPLIANCE WITH SECTION 1609 OF THE
OF THE 2004 FBC-B & FBC-R FOR 110 MPH
WIND ZONE FOR ALL OTHER PRESCRIPTIVES.

TABLE 1609.6B COMPONENT AND CLADDING WIND LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (psf)									
ZONE	EFFECTIVE WIND AREA (SQ. FT.)	Basic Wind Speed V (mph - 3 second gust)							
Roof Angle >0°-10°		110		120		123		19	
1	10.0	10.0	-21.8	10.5	-25.9	11.0	-27.25	12.4	-30.4
1	20.0	10.0	-31.2	10.0	-25.2	10.48	-26.52	11.6	-29.6
1	50.0	10.0	-20.5	10.0	-24.4	10.18	-25.66	10.6	-28.6
1	100.0	10.0	-19.9	10.0	-23.7	10	-24.93	10.0	-27.8
2	10.0	10.0	-36.5	10.5	-43.5	11.0	-45.75	12.4	-51.0
2	20.0	10.0	-32.6	10.0	-38.8	10.48	-40.84	11.6	-45.6
2	50.0	10.0	-27.5	10.0	-32.7	10.18	-34.41	10.6	-38.4
2	100.0	10.0	-28.1	10.0	-33.0	10.42	-34.56	11.4	-38.2
3	10.0	10.0	-55.0	10.5	-65.4	11.0	-68.82	12.4	-76.8
3	20.0	10.0	-45.5	10.0	-54.2	10.48	-57.02	11.6	-63.6
3	50.0	10.0	-33.1	10.0	-39.3	10.18	-41.37	10.6	-46.3
3	100.0	10.0	-23.6	10.0	-28.1	10	-29.57	10.0	-33.0
Roof Angle >10°-30°		110		120		123		19	
1	10.0	12.5	-19.9	14.9	-23.7	15.68	-24.93	17.5	-27.8
1	20.0	11.4	-19.4	13.6	-23.0	14.32	-24.2	16.0	-27.0
1	50.0	10.0	-18.6	11.9	-22.2	12.5	-23.34	13.9	-26.0
1	100.0	10.0	-18.1	10.5	-21.5	11.0	-22.61	12.4	-25.2
2	10.0	12.5	-42.1	14.9	-50.1	15.68	-52.68	17.5	-58.7
2	20.0	11.4	-38.2	13.6	-45.4	14.32	-47.77	16.0	-53.3
2	50.0	10.0	-33.0	11.9	-39.3	12.5	-41.34	13.9	-46.1
2	100.0	10.0	-29.1	10.5	-34.7	11.0	-36.5	12.4	-40.7
3	10.0	12.5	-42.1	14.9	-50.1	15.68	-52.68	17.5	-58.7
3	20.0	11.4	-38.2	13.6	-45.4	14.32	-47.77	16.0	-53.3
3	50.0	10.0	-33.0	11.9	-39.3	12.5	-41.34	13.9	-46.1
3	100.0	10.0	-29.1	10.5	-34.7	11.0	-36.5	12.4	-40.7
Roof Angle >30°-45°		110		120		123		19	
1	10.0	15.9	-21.8	23.7	-25.9	24.93	-27.25	27.8	-30.4
1	20.0	13.4	-20.7	23.0	-24.6	24.2	-25.89	27.0	-28.9
1	50.0	10.6	-19.2	22.2	-22.8	23.34	-24.0	26.0	-26.8
1	100.0	10.1	-18.1	21.5	-21.5	22.61	-22.61	25.2	-25.2
2	10.0	15.9	-25.5	23.7	-30.3	24.93	-31.09	27.8	-35.6
2	20.0	13.4	-24.3	23.0	-29.0	24.2	-30.5	27.0	-34.0
2	50.0	10.6	-22.9	22.2	-27.2	23.34	-28.64	26.0	-32.0
2	100.0	10.1	-21.8	21.5	-25.9	22.61	-27.25	25.2	-30.4
3	10.0	15.9	-25.5	23.7	-30.3	24.93	-31.09	27.8	-35.6
3	20.0	13.4	-24.3	23.0	-29.0	24.2	-30.5	27.0	-34.0
3	50.0	10.6	-22.9	22.2	-27.2	23.34	-28.64	26.0	-32.0
3	100.0	10.1	-21.8	21.5	-25.9	22.61	-27.25	25.2	-30.4
Wall		110		120		123		19	
4	10.0	21.8	-23.6	25.9	-28.1	27.25	-29.57	30.4	-33.0
4	20.0	20.8	-22.6	24.7	-26.9	25.99	-28.31	29.0	-31.6
4	50.0	19.5	-21.3	23.2	-25.4	24.4	-26.72	27.2	-29.8
4	100.0	18.5	-20.4	22.0	-24.2	23.77	-25.46	25.9	-28.4
5	10.0	21.8	-29.1	25.9	-34.7	27.25	-36.5	30.4	-40.7
5	20.0	20.8	-27.2	24.7	-32.4	25.99	-34.08	29.0	-38.0
5	50.0	19.5	-24.6	23.2	-29.3	24.4	-30.8	27.2	-34.3
5	100.0	18.5	-22.6	22.0	-26.9	23.77	-28.31	25.9	-31.6

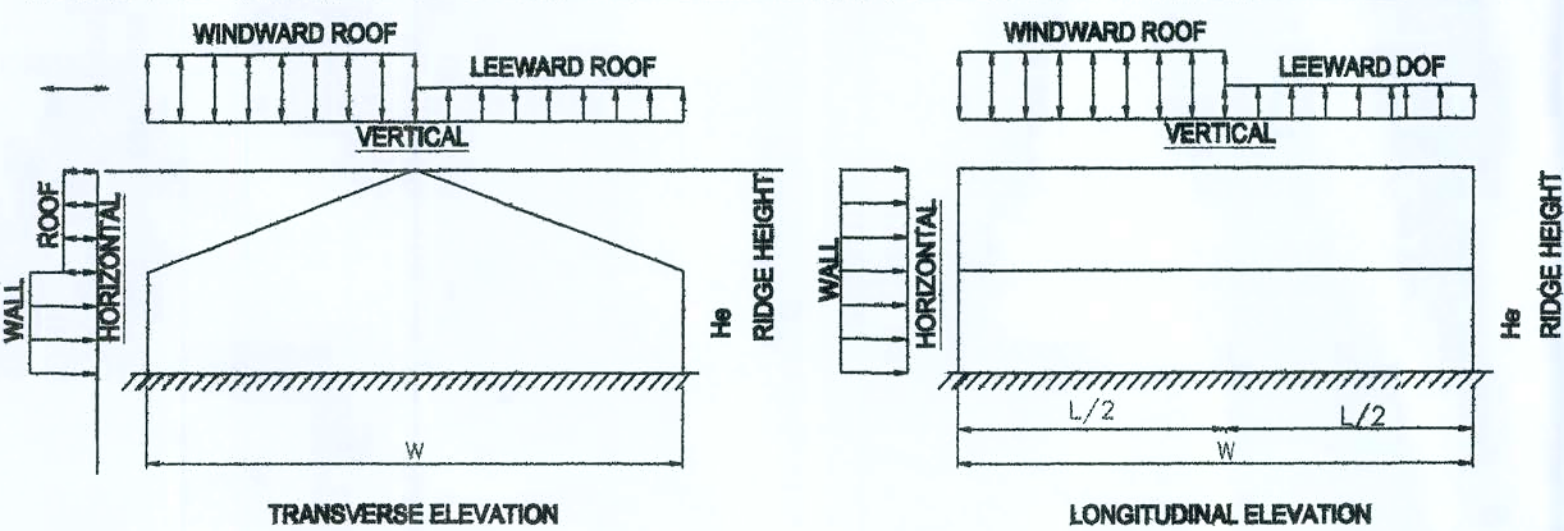


FIGURE 1609.6A
APPLICATION OF MAIN WIND FORCE RESISTING
SYSTEM LOADS FOR SIMPLE DIAPHRAGM BUILDINGS

TABLE 1609.6A MAIN WIND FORCE RESISTING SYSTEM WIND LOADS FOR A BUILDING WITH A MEAN ROOF OF HEIGHT OF 30 FEET LOCATED IN Exposure B Note 1																	
				Horizontal Loads 2				Vertical Loads (psf)						Max. Horizontal Wall Loads 4 (psf)			
				End Zone		Interior Zone		End Zone		Interior Zone		Windward Overhang		Zones			
Wind Velocity (mph)	Load Direction	Roof angle (degrees)	Wall	Roof 3	Wall	Roof 3	Windward Roof	Leeward Roof	Windward Roof	Leeward Roof	End Zone	End Zone	1E	4E	1	4	
110	Transverse	0 - 5	19.2	-10.0	12.7	-5.5	-23.1	-13.1	-16.0	-10.1	-32.3	-25.3	15.0	-11.3	10.7	-8.7	
		20	26.6	-7.0	17.7	-3.9	-23.1	-16.4	-16.0	-12.2	-32.3	-25.3	18.0	-15.1	13.1	-11.3	
		30 & angle < 45	21.6	-14.8	17.2	-11.8	8.3	-13.1	7.2	-11.3	-7.6	-8.7	16.0	-12.2	13.7	-10.1	
		All Angles	19.2	-10.0	12.7	-5.5	-23.1	-13.1	-16.0	-10.1	-32.3	-25.3	15.0	-11.3	10.7	-8.7	
120	Transverse	0 - 5	22.8	-11.9	15.1	-7.0	-27.4	-15.6	-19.1	-12.1	-12.1	-30.1	17.0	-13.4	12.7	-10.3	
		20	31.6	-8.3	21.1	-4.6	-27.4	-18.1	-19.1	-14.5	-14.5	-30.1	22.0	-18.0	15.6	13.4	
		30 & angle < 45	25.7	-17.6	20.4	-14.0	9.9	-15.6	8.6	-13.4	-13.4	-10.3	19.0	-14.5	16.2	-12.1	
		All Angles	22.8	-11.9	15.1	-7.0	-27.4	-15.6	-19.1	-12.1	-12.1	-30.1	17.0	-13.4	12.7	-10.3	
123	Transverse	0 - 5	24	-12.5	15.9	-7.6	-28.4	-16.4	-20.0	-12.7	-12.7	-31.6	17.9	-14.0	13.6	-10.8	
		20	33.25	-8.75	22.8	-4.84	-28.84	-20.0	-20.0	-15.9	-16.63	-31.66	22.9	-18.93	16.41	-14.0	
		30 & angle < 45	27.02	-18.5	21.48	-14.25	-10.41	-16.41	-9.07	-14.09	-14.09	-10.84	19.9	-15.9	17.07	-12.09	
		All Angles	24	-12.77	23.2	-7.6	-27.88	-16.41	-20.0	-12.73	-12.73	-31.66	17.9	-14.0	13.6	-10.8	
130	Transverse	0 - 5	26.8	-13.9	17.8	-8.2	-32.2	-18.33	-22.4	-14.2	-14.2	-35.3	20.0	-15.7	14.9	-12.1	
		20	37.1	-9.8	24.7	-5.4	-32.2	-22.4	-22.4	-17.0	-17.0	-35.3	25.0	-21.1	18.3	-15.7	
		30 & angle < 45	30.1	-20.6	24.0	-16.5	-11.6	-18.33	-10.0	-15.7	-15.7	-12.1	27.0	-17.0	19.1	-14.2	
		All Angles	26.8	-13.9	17.8	-8.2	-32.2	-18.33	-22.4	-14.2	-14.2	-35.3	20.0	-15.7	14.9	-12.1	

ROOF OVERHANG COMPONENT AND CLADDING DESIGN WIND PRESSURES (TABLE 1609.6C)					
ZONE	EFFECTIVE WIND AREA (SQ. FT.)	110	120	123	130
Roof Angle >0-10 degrees					
2	10	-31.4	-37.3	-39.25	-43.8
2	20	-30.8	-36.7	-38.59	-43.0
2	100	-29.5	-35.1	-36.93	-41.2
3	10	-51.6	-61.5	-64.68	-72.1
3	20	-40.8	-48.3	-50.79	-58.6
3	100	-14.8	-17.6	-18.5	-20.6

ROOF OVERHANG COMPONENT AND CLADDING DESIGN WIND PRESSURES (TABLE 1609.6C)					
ZONE	EFFECTIVE WIND AREA (SQ. FT.)	110	120	123	130
Roof Angle >10-30 degrees					
2	10	-40.8	-48.3	-50.82	-56.7
2	20	-40.8	-48.3	-50.82	-56.7
2	100	-40.8	-48.3	-50.82	-56.7
3	10	-68.3	-81.2	-85.43	-98.3
3	20	-60.5	-72.0	-75.75	-84.5
3	100	-42.4	-50.5	-53.14	-59.3

ROOF OVERHANG COMPONENT AND CLADDING DESIGN WIND PRESSURES (TABLE 1609.6C)					
ZONE	EFFECTIVE WIND AREA (SQ. FT.)	110	120	123	130
Roof Angle >30-45 degrees					
2	10	-36.9	-43.9	-46.18	-51.5
2	20	-35.8	-42.6	-44.82	-50.0
2	100	-33.2	-39.5	-41.57	-46.4
3	10	-36.9	-43.9	-46.18	-51.5
3	20	-35.8	-42.6	-44.82	-50.0
3	100	-33.2	-39.5	-41.57	-46.4

TABLE 1609.3.1 EQUIVALENT BASIC WIND SPEEDS											
3 sec. gust	85	90	100	105	110	120	125	130	140	145	150
fastest mile	70	75	80	85	90	100	105	110	120	125	130

1 mph = 0.447 m/s

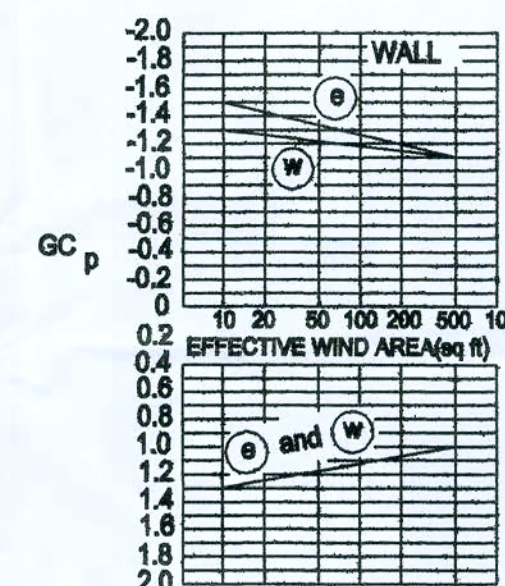
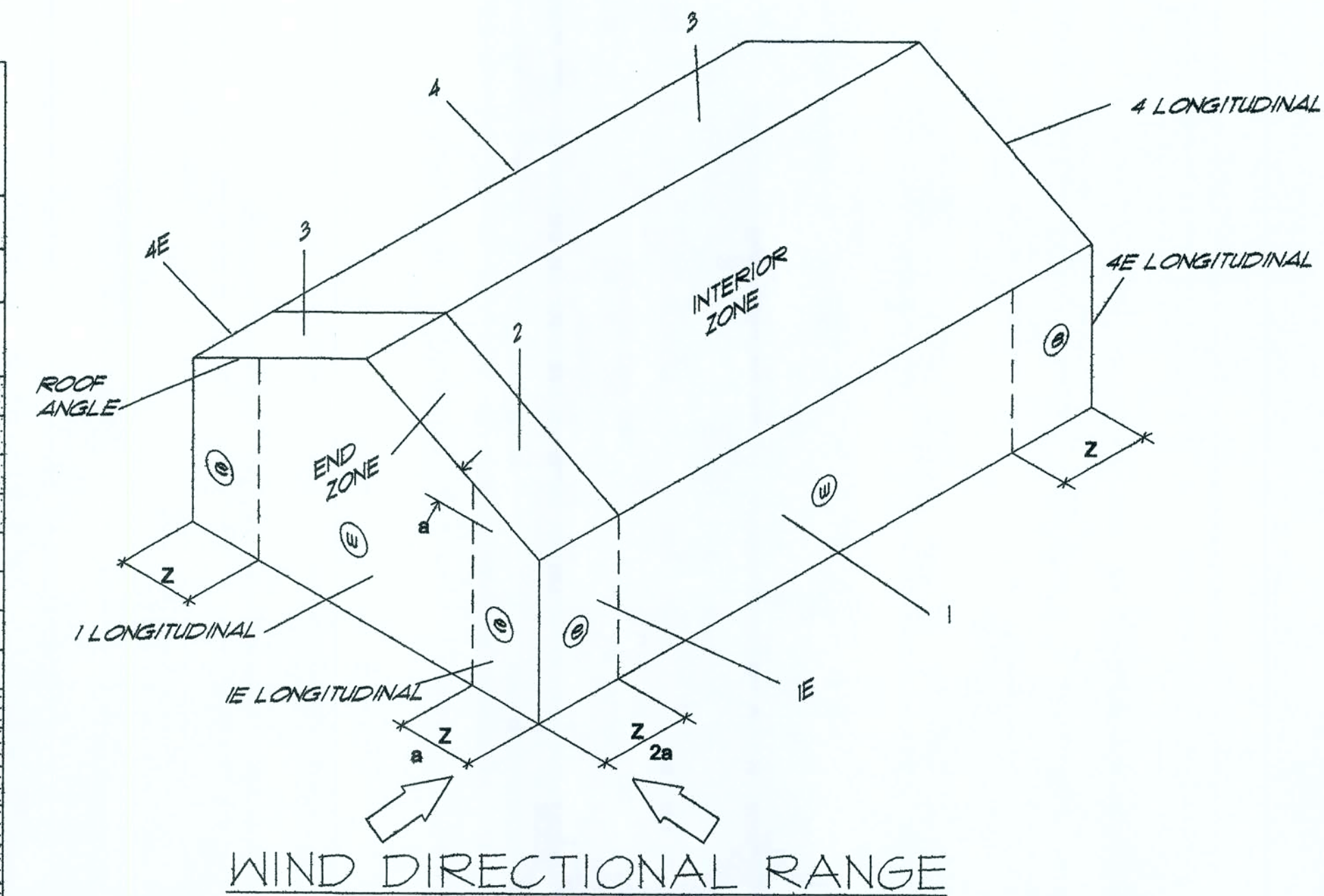


FIGURE 1609.6C
WALL COEFFICIENTS, GCP, COMPONENTS AND CLADDING
(Enclosed Buildings)

NOTES:

- Fasteners to Comply W/ 2004 FBC CHAPTER 3 Requirements for 120 mph winds.
- Shaded area of Trusses Denotes Roof Sheeting Diaphragm Fastener Requirement @ Gable Ends
- Refer to Gable End Section in Reference to Diaphragm
- All Connections From Fig. to Lintel to be in Compliance with FBC Section 1609 Requirements
- Drawings Are Not to be Scaled
- Contractor is Responsible For any Discrepancies in Drawings
- If Lumber Shows Signs of Cracking When Nailing, Pre Drill For Nails or Use Self Tapping Fasteners.
- Contractor to Use The Greater of Loads of the Truss Manufacturer's Calculations or the Loads on These Drawings Calculated by the Engineer.
- Structural Details and Plans Are For New Construction Only. These Plans Do Not Update Existing Conditions of The Existing Structure. Therefore Signing And Sealing of These Plans Are Restricted to New Construction.
- Importance Factor I=1.0
- Wind Exposure B, Low Rise Buildings
- Internal Pressure Coefficient GCpi = ±0.18
- Components & Cladding: Design With A Velocity Pressure qh based On Highest Wind Loads @ The Site p=q(GCp)-qi(Gpi) (#/ft²)
- PANEL EDGE SUPPORT FOR NARROW WIDTH ROOF SHEATHING:

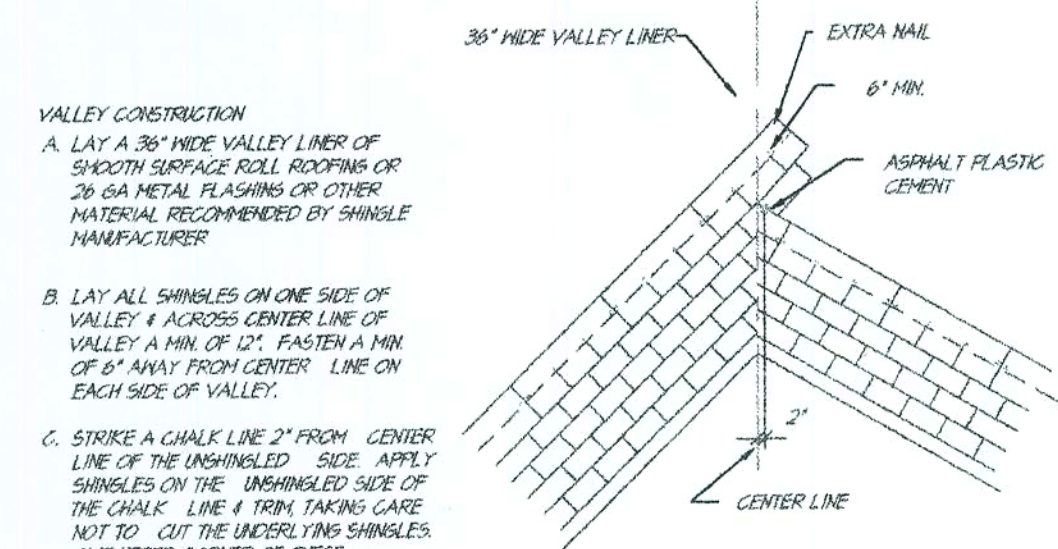
For panels 16-24" wide, double pyclop the side adjacent to the full width of the panel, none required at ridge or hip.
For panels 12-16" wide, lumber only blocking (2x4) flat wise or edgewise on the side adjacent to the full width panel. None is required at a ridge or hip.
For panels 12 wide or less, lumber only blocking (2x4) flat wise or edgewise on both panel edges.



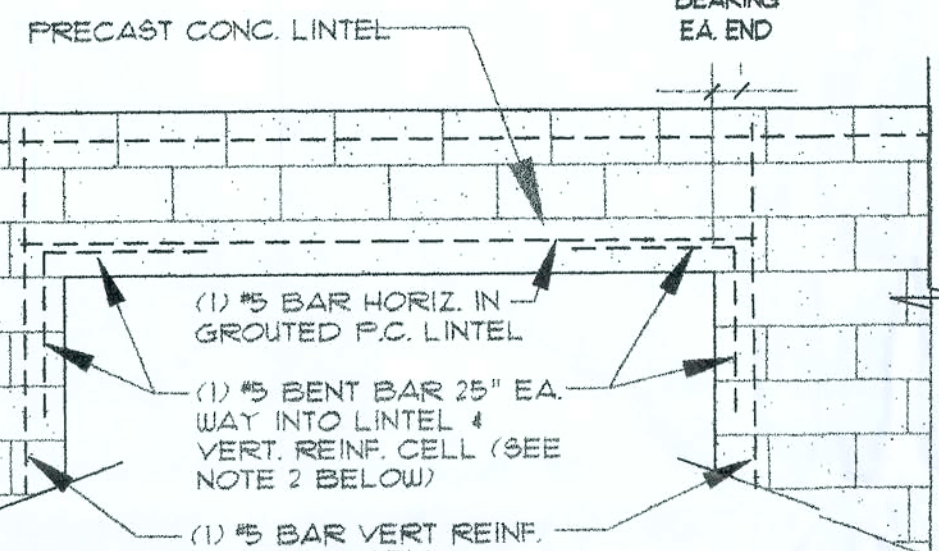
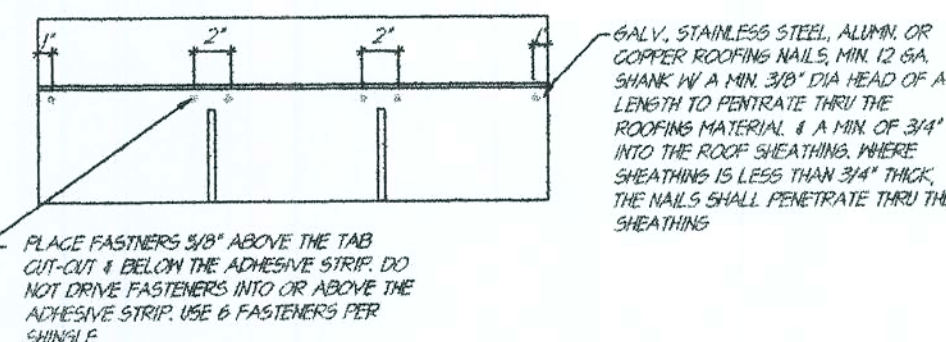
NAILING SCHEDULE:

FLOOR DECKING
3/4" SHEATHING NAILED W/10d COM.
RNG SHANK NAILS @
12" o.c. INTERIOR
6" o.c. @ EDGES
STAGGER PLYM. JOINTS @ 48" o.c.

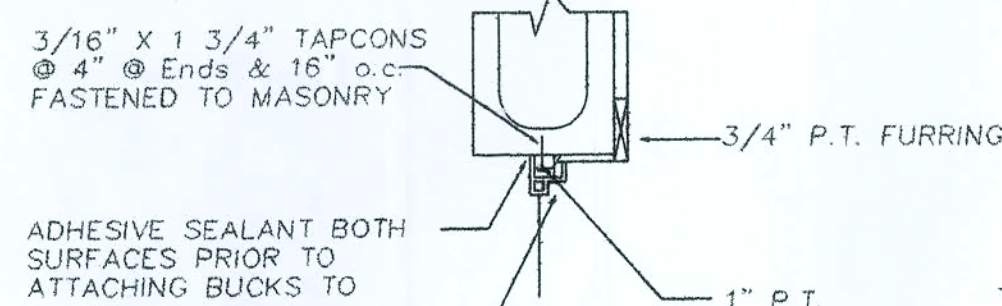
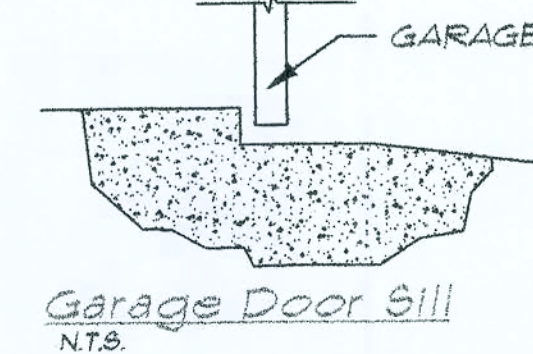
WALL SHEATHING
1/2" SHEATHING NAILED W/8d COM.
RNG SHANK NAILS @
FIRST 36" FROM CORNER AND ZONES
3" o.c. INTERIOR
3" o.c. @ EDGES
ALL OTHER:
6" o.c. INTERIOR



SHINGLE VALLEY DETAIL



TYPICAL LINTEL
SCALE: N.T.S.



SILL DETAIL
NTS

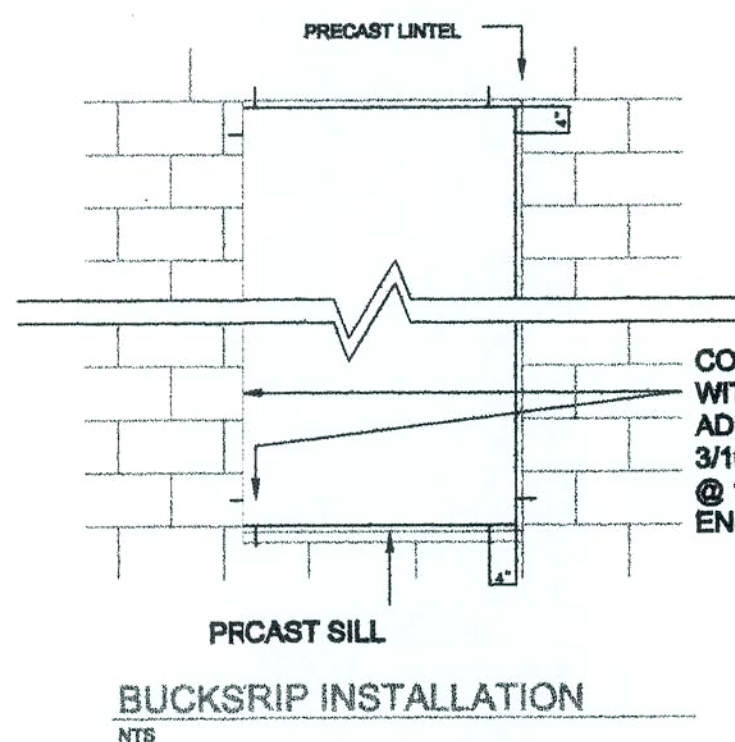
NOTE:
ALL WORK SHALL COMPLY WITH PREVAILING CODES, LOCAL BUILDING & ALUMINUM.

NOTE:
TO THE BEST OF THE ENGINEER'S KNOWLEDGE & BELIEF, THE STRUCTURAL PLANS & SPECIFICATIONS COMPLY WITH THE FBC RESIDENTIAL 2004, CHAPTER 3 FOR 120 MPH, 3-SECOND GUST, & EXPOSURE "B" WIND ZONE. COMPLIES WITH FBC RESIDENTIAL 2004, CHAPTER 3 120 MPH WINDS.

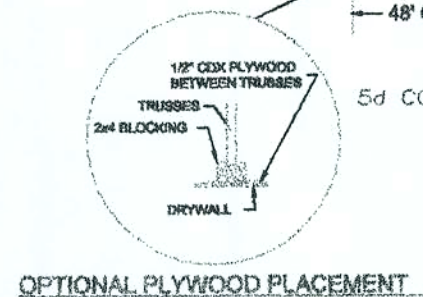
SIGNED AND SEALED FOR THE STRUCTURAL PORTION OF THIS DRAWING ONLY.

FOUNDATION INSPECTION
A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTOR'S USE OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER 'O' MARKER TO VERIFY REQUIRED SETBACKS.

FRAMING INSPECTION
ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION. FBC RESIDENTIAL 2004 CHAPTER 3

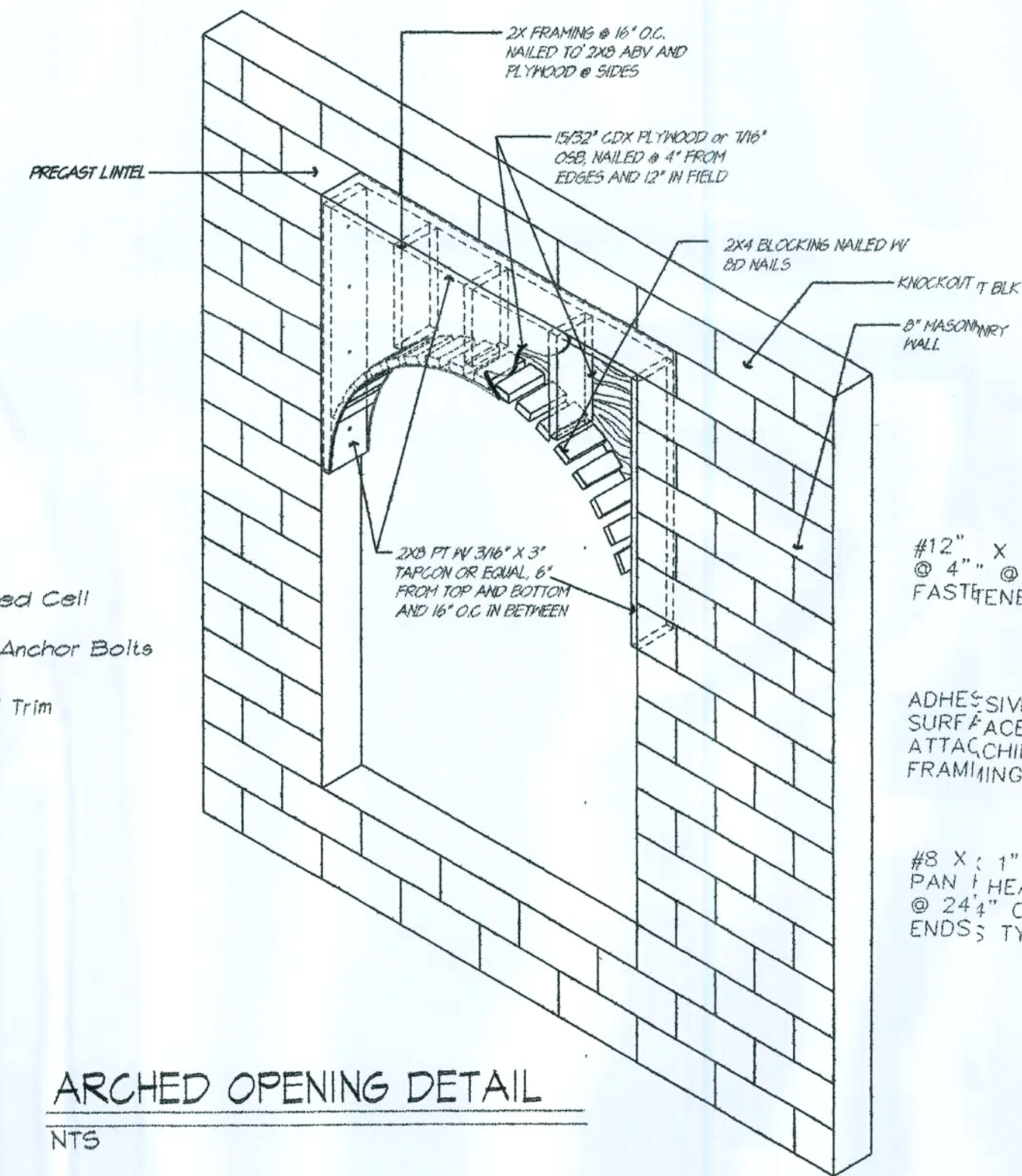


BUCKSTRIP INSTALLATION
NTS



OPTIONAL PLYWOOD PLACEMENT

GABLE END DETAIL
NTS



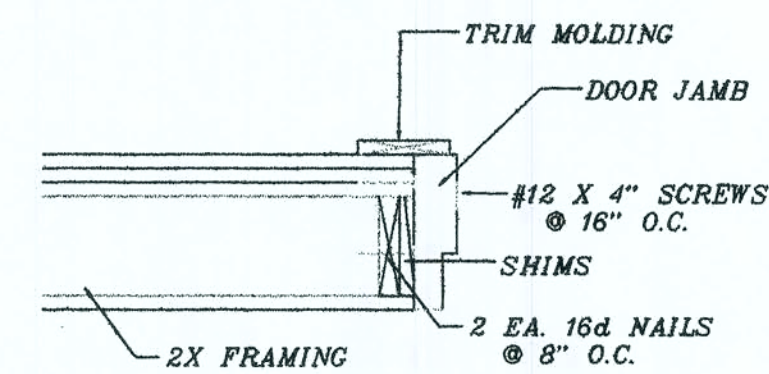
ARCHED OPENING DETAIL
NTS

FBC - APPROVED PRODUCTS LIST

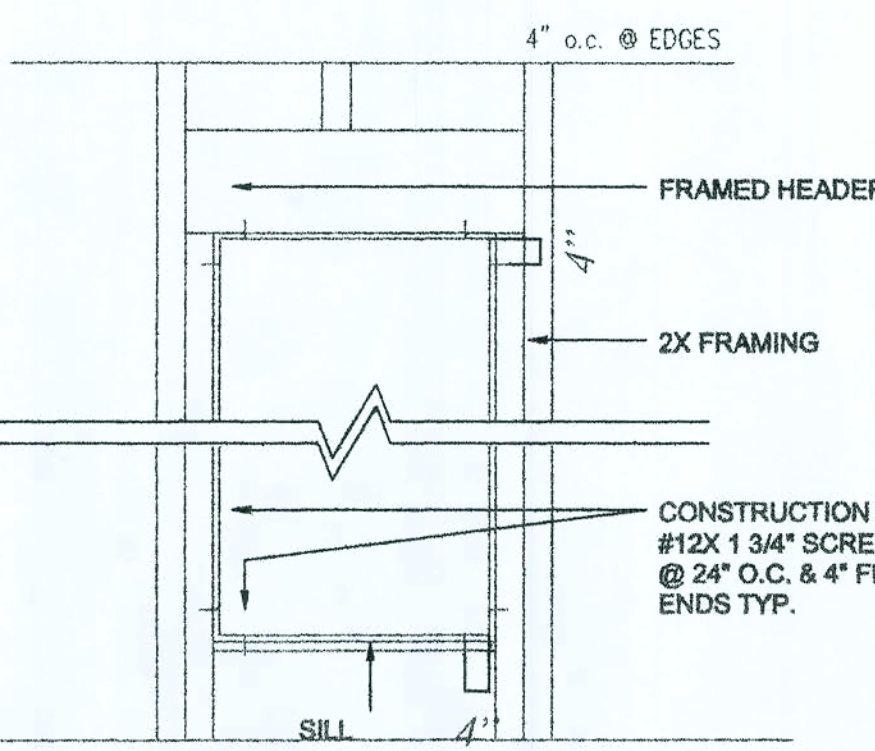
Product Category	Sub Category	Manufacturer	State of Florida Approval Number	Expiration Date
STRUCTURAL COMPONENT	WOOD CONNECTOR	SIMPSON STRONG-TIE CORP.	FL4744 FL402 FL503 FL538 FL1218 FL1423 FL1463 FL1901 FL1725 FL2366 FL2304	10-01-2006
STRUCTURAL COMPONENT	WOOD CONNECTOR	USP	FL5742	10-08-2006
STRUCTURAL COMPONENT	OTHER - CONCRETE LINTELS	FEGP CORP - CAST CRETE	FL1583	09-18-2006
WINDOWS	SINGLE HUNG	NU-AIR	FL211 FL211R FL2711 FL2710R	10-15-2006
ROOFING	ASPHALT SHINGLE	ELK CORP.	FL5866 FL728 FL14716 FL2143	12-13-2006
EXTERIOR DOORS	SWINGING	JELD-WEN	FL5394	11-19-2006
EXTERIOR DOORS	SLIDING	NU-AIR	FL2122 FL2712	07-16-2006

ROOF FASTENER LEGEND

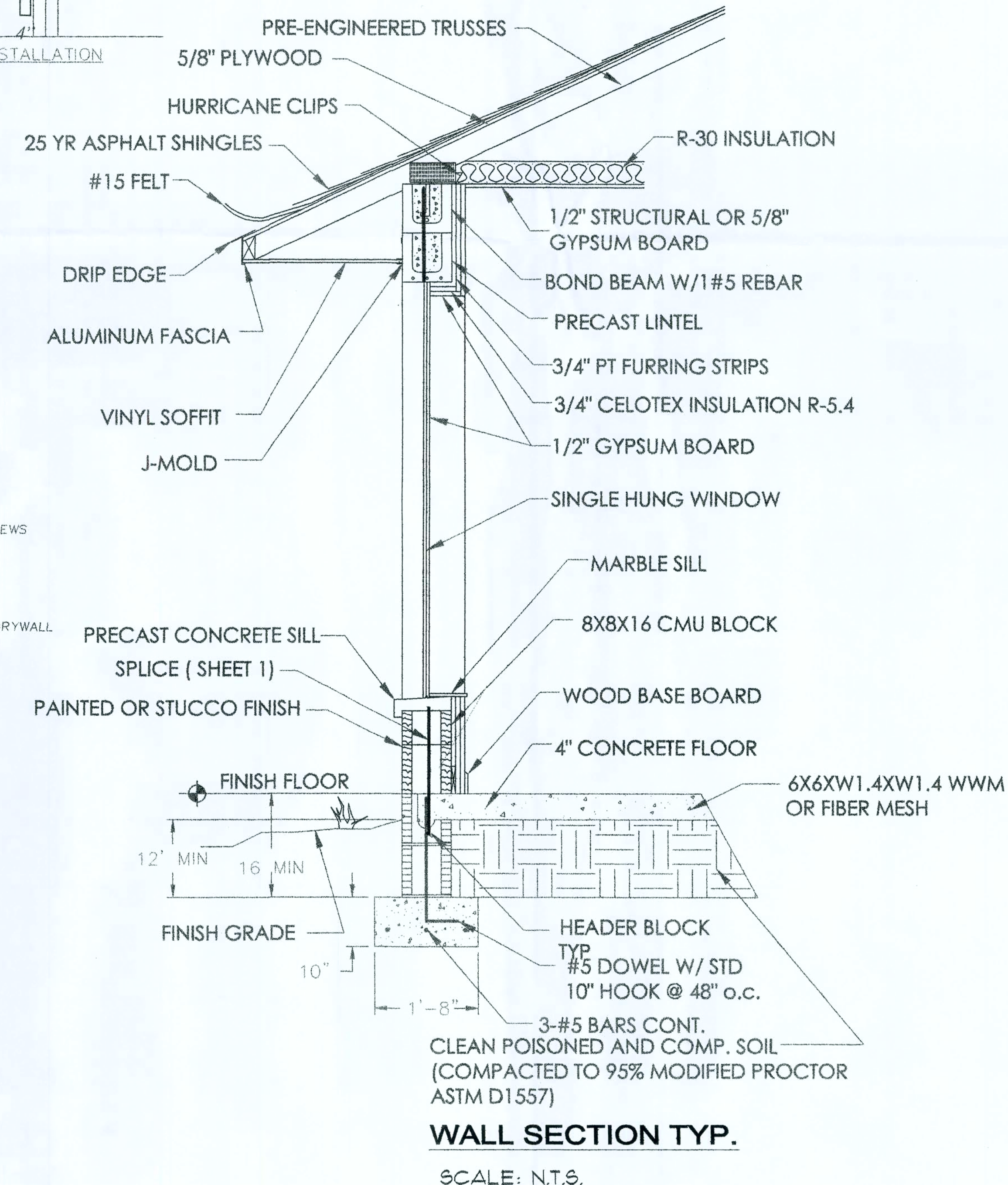
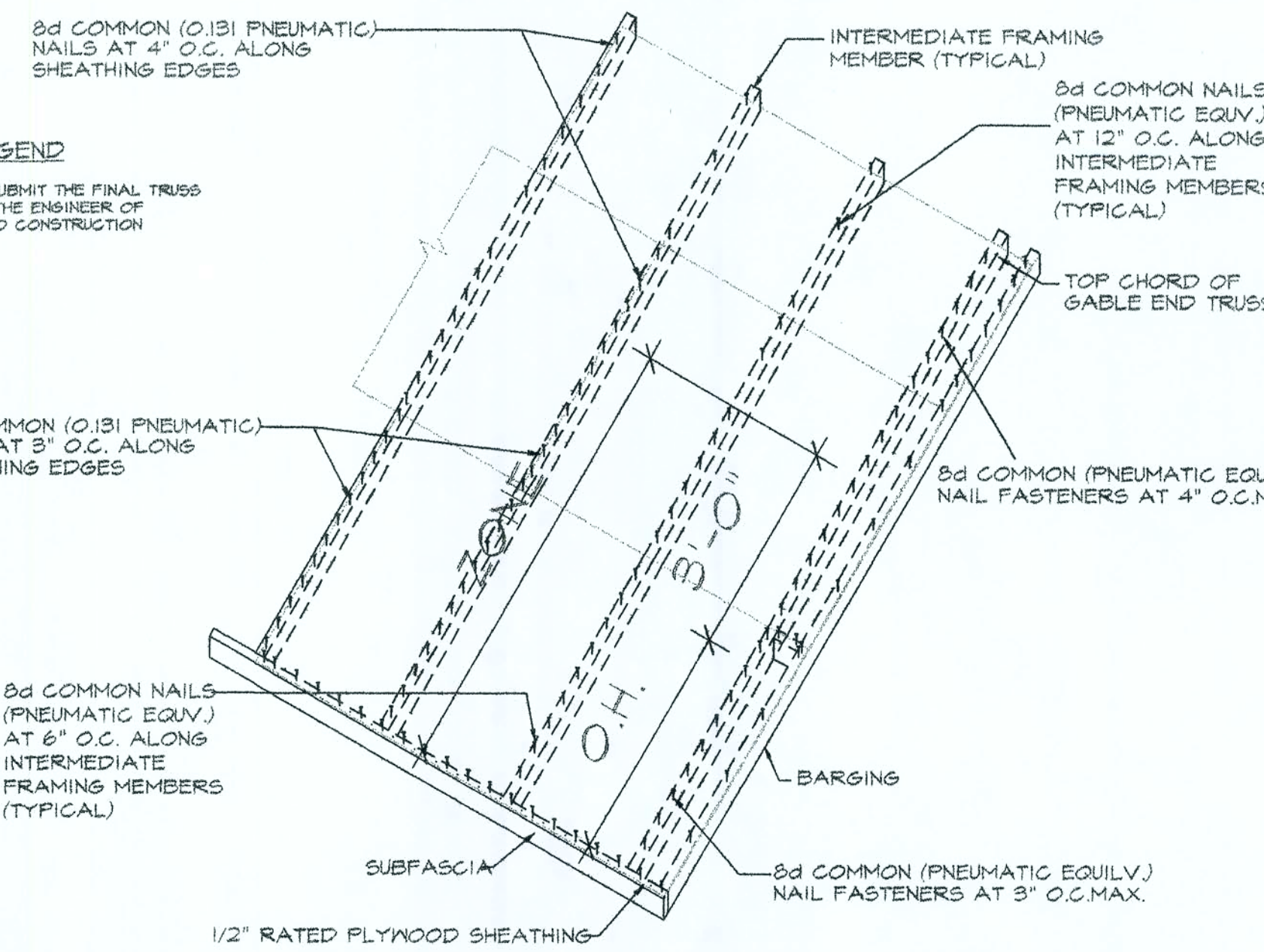
NOTE: CONTRACTOR SHALL SUBMIT THE FINAL TRUSS ENGINEERING AND LAYOUT TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION



DOOR JAMB DETAIL
NTS



BUCKSTRIP INSTALLATION
NTS



FE
PRIMA ENGINEERING
CA# 26254
STRUCTURAL DESIGN BY:
FERJATA ENGINEERING
CIVIL ENGINEERING
P.E.# 47075
421 N. Florida Ave.
TAHA, FLORIDA 33603
PHONE (813) 234-5004

FBC 504 CHAPTER 1903.1
PERMIT INTENT: A permit issued shall be construed to be a license to proceed with the use and not an authority to violate, cancel, alter, or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of error in plans, construction, or violation of this code.
These documents are not in final form, but are being submitted to public agencies for review and comment. The documents may be amended or revised by the engineer of record prior to final action by the agency. Changes, revisions and modifications to a project may require additional documents submitted for agency approval within the same project.
These documents shall not be filed for public record without the engineer of record's knowledge and consent.

DESIGN
Designer:
GBW
Drawn By: Date: 07/14/07
GBW
Checked By: Project No. DWG-407
GBW



PROJECT: NEW RESIDENCE FOR:
MR. & MRS. BENJAMIN & JULIA ATKINS
MIXON RD, LAKE CITY FLORIDA 32024

REVISIONS	DATE	NOTE
1		
2		
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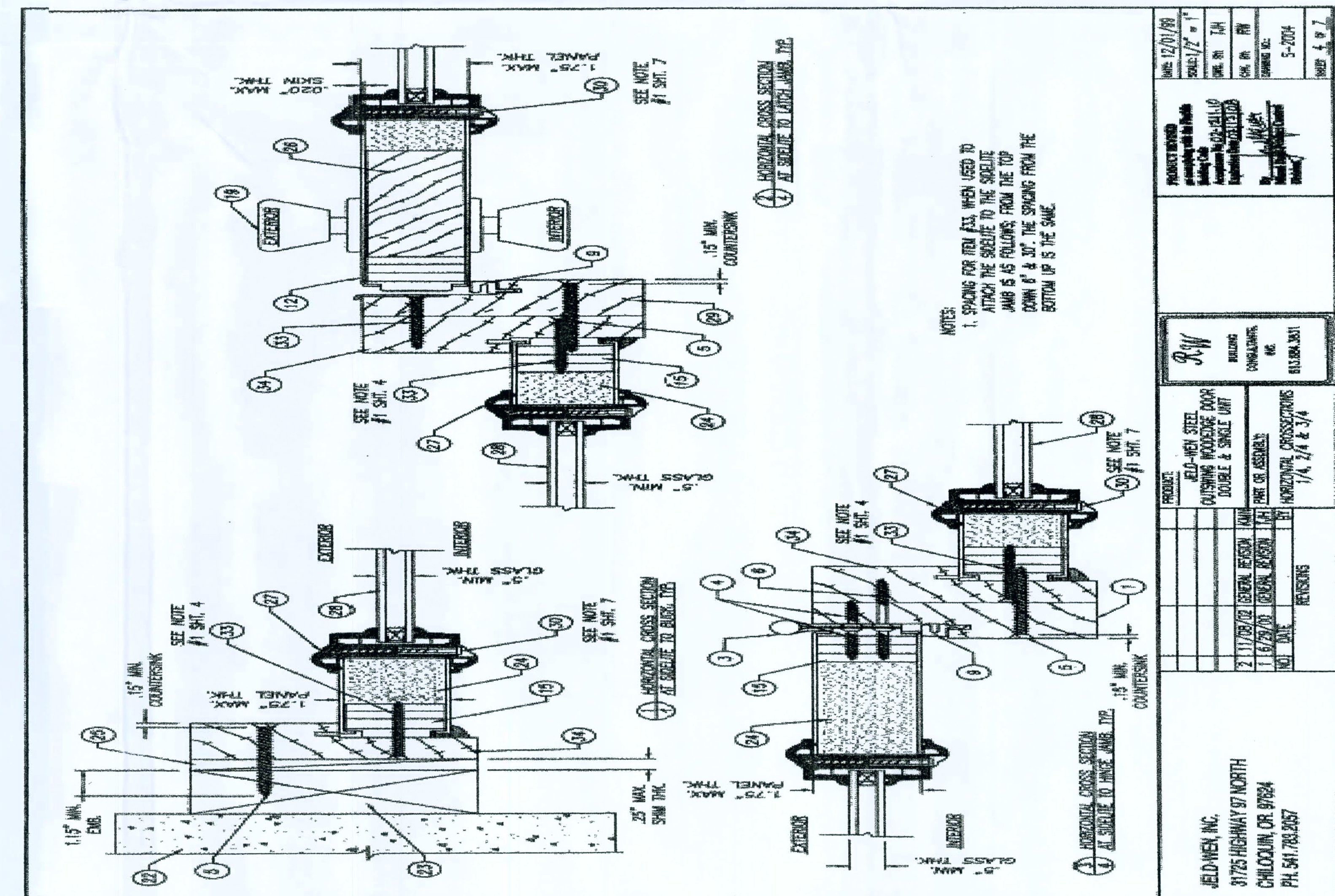
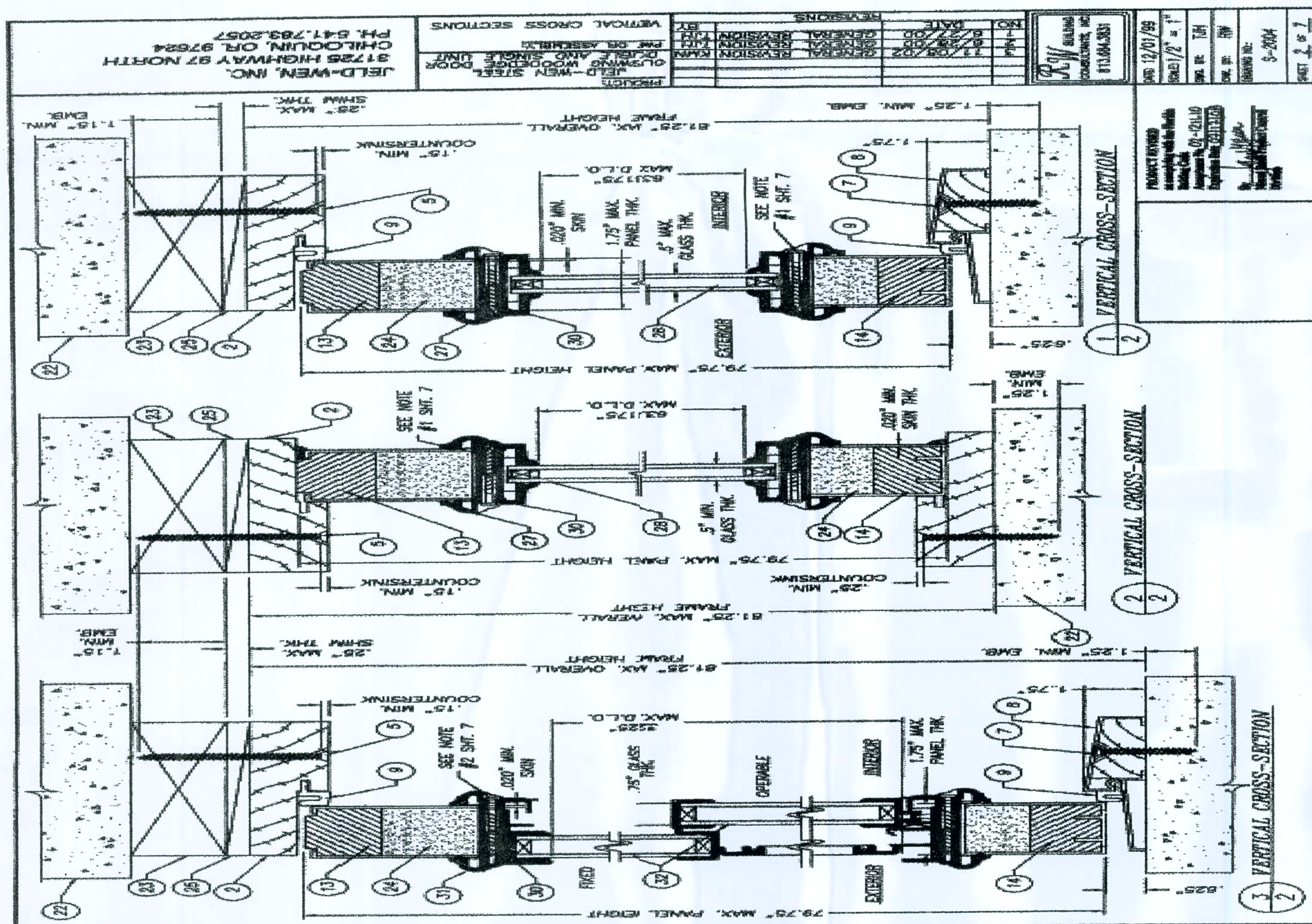
ENGINEERING
Designer: Date: 07/14/07
GBW
Drawn By: Scale: SEE PLAN
GBW
Checked By: Project No. DWG-407
GBW

TITLE SHEET
STANDARD DETAILS

ENGINEERS SEAL



SHEET #
S2.0
OF



SHEET #

\$5.0
OF