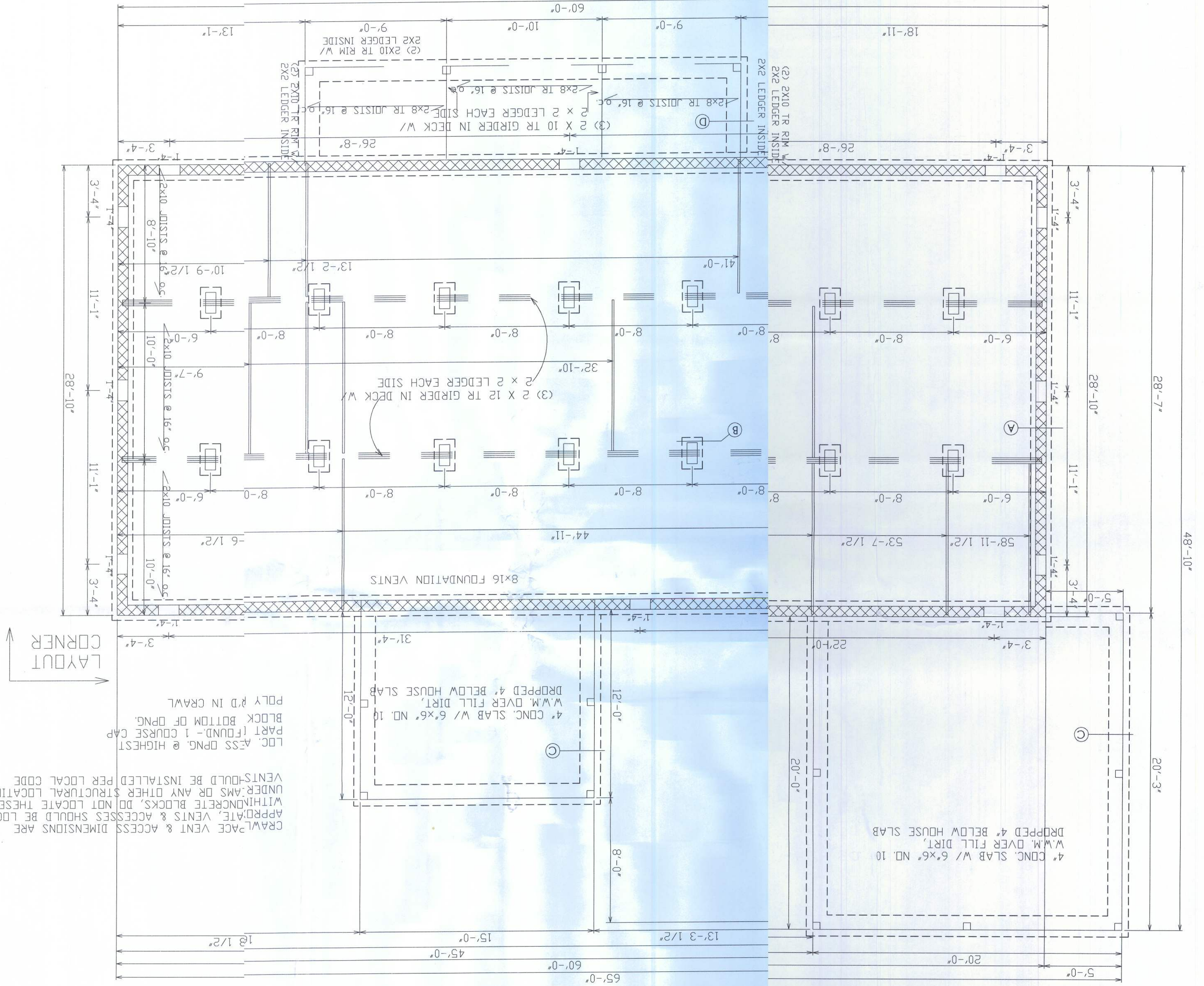
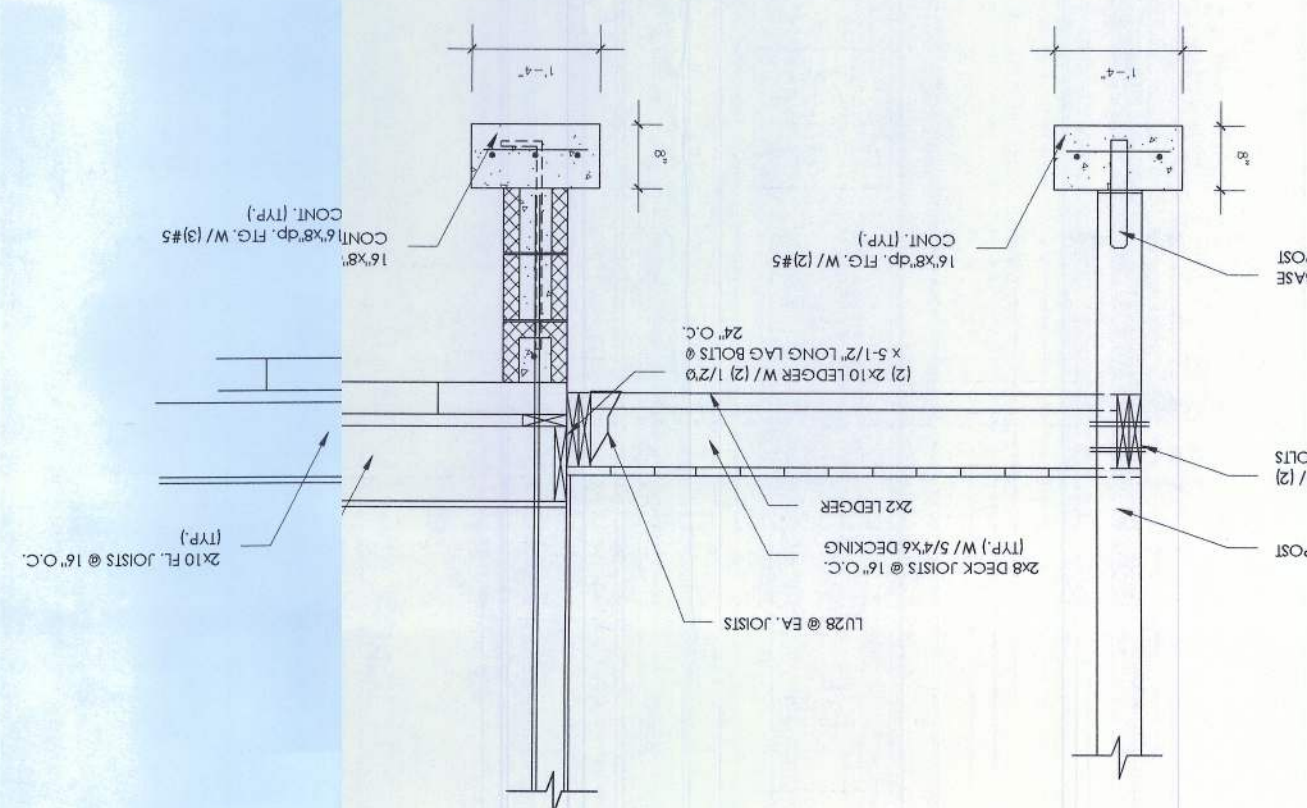
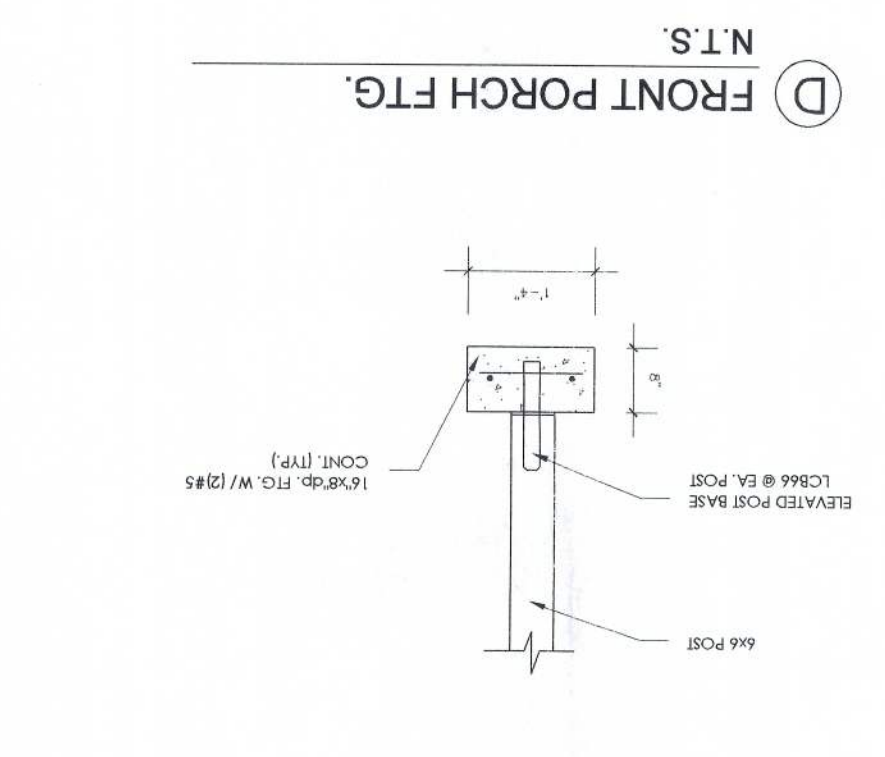
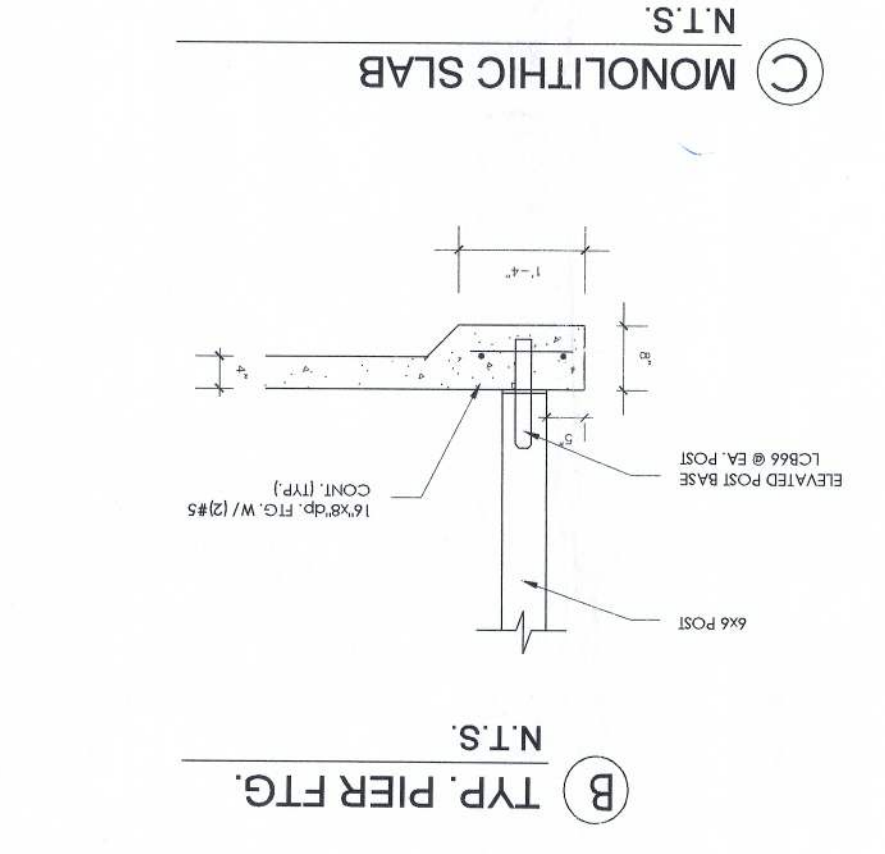
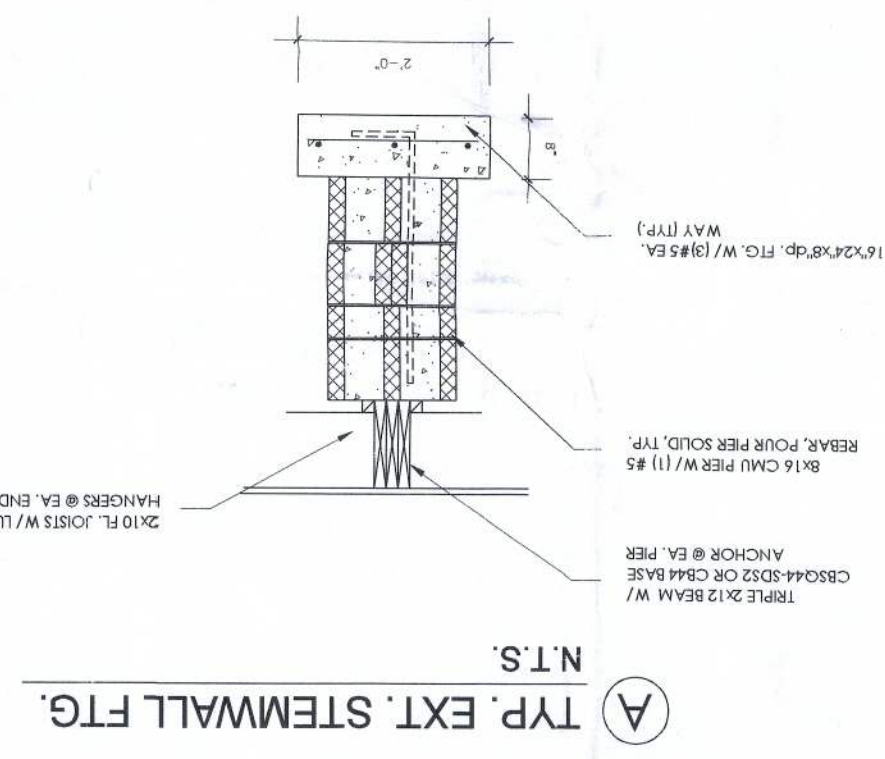
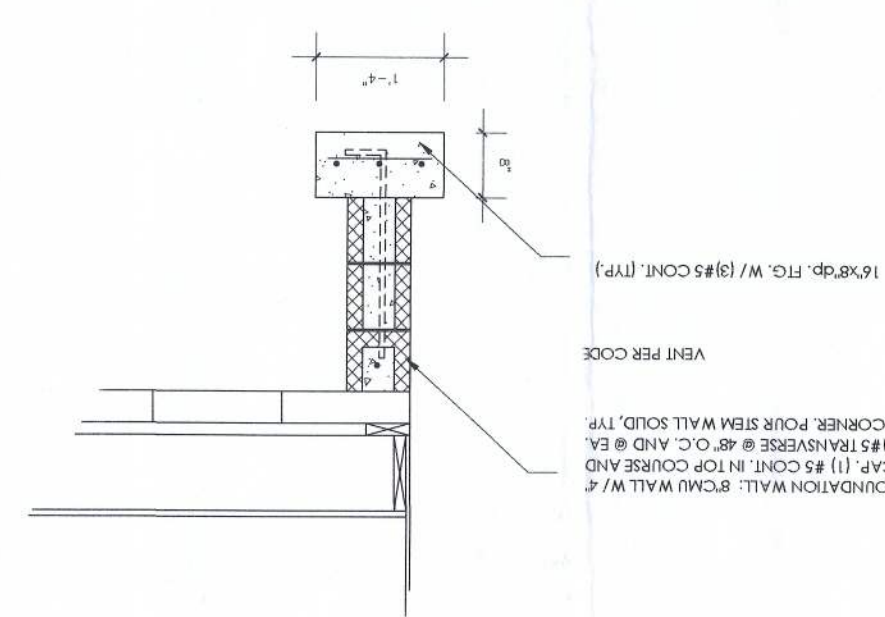
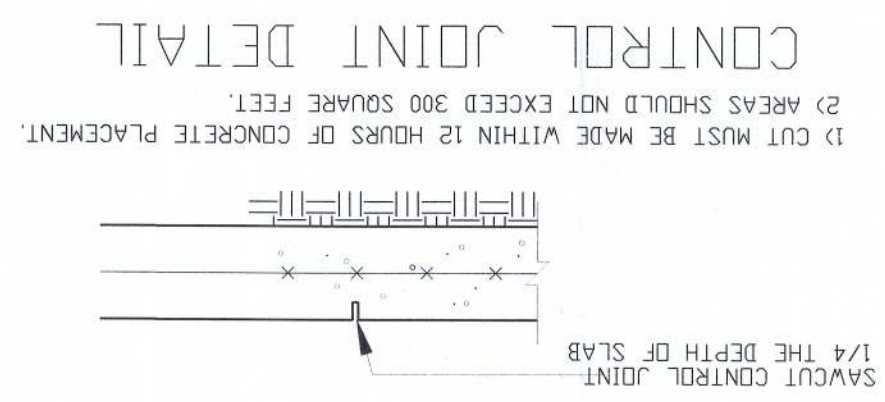
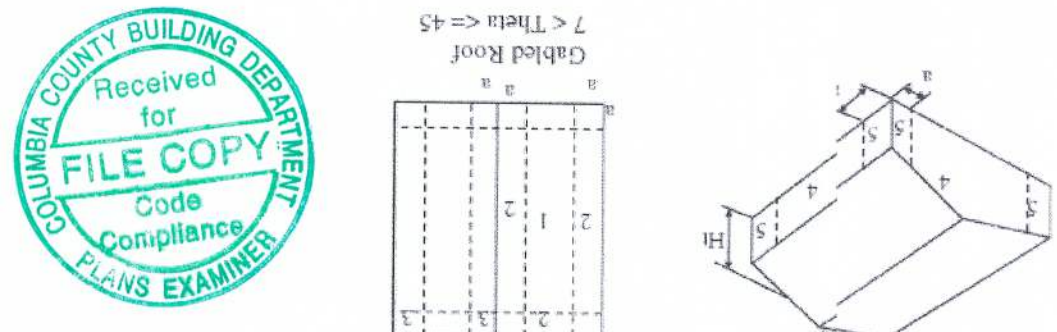


[illegible]

Condition	WIND02-23-06
Open Building	
Partially Enclosed Buildings	
Enclosed Buildings	
0.00 to 0.10	0.10
0.10 to 0.20	0.20
0.20 to 0.30	0.30
0.30 to 0.40	0.40
0.40 to 0.50	0.50
0.50 to 0.60	0.60
0.60 to 0.70	0.70
0.70 to 0.80	0.80
0.80 to 0.90	0.90
0.90 to 1.00	1.00
1.00 to 1.10	1.10
1.10 to 1.20	1.20
1.20 to 1.30	1.30
1.30 to 1.40	1.40
1.40 to 1.50	1.50
1.50 to 1.60	1.60
1.60 to 1.70	1.70
1.70 to 1.80	1.80
1.80 to 1.90	1.90
1.90 to 2.00	2.00
2.00 to 2.10	2.10
2.10 to 2.20	2.20
2.20 to 2.30	2.30
2.30 to 2.40	2.40
2.40 to 2.50	2.50
2.50 to 2.60	2.60
2.60 to 2.70	2.70
2.70 to 2.80	2.80
2.80 to 2.90	2.90
2.90 to 3.00	3.00
3.00 to 3.10	3.10
3.10 to 3.20	3.20
3.20 to 3.30	3.30
3.30 to 3.40	3.40
3.40 to 3.50	3.50
3.50 to 3.60	3.60
3.60 to 3.70	3.70
3.70 to 3.80	3.80
3.80 to 3.90	3.90
3.90 to 4.00	4.00
4.00 to 4.10	4.10
4.10 to 4.20	4.20
4.20 to 4.30	4.30
4.30 to 4.40	4.40
4.40 to 4.50	4.50
4.50 to 4.60	4.60
4.60 to 4.70	4.70
4.70 to 4.80	4.80
4.80 to 4.90	4.90
4.90 to 5.00	5.00
5.00 to 5.10	5.10
5.10 to 5.20	5.20
5.20 to 5.30	5.30
5.30 to 5.40	5.40
5.40 to 5.50	5.50
5.50 to 5.60	5.60
5.60 to 5.70	5.70
5.70 to 5.80	5.80
5.80 to 5.90	5.90
5.90 to 6.00	6.00
6.00 to 6.10	6.10
6.10 to 6.20	6.20
6.20 to 6.30	6.30
6.30 to 6.40	6.40
6.40 to 6.50	6.50
6.50 to 6.60	6.60
6.60 to 6.70	6.70
6.70 to 6.80	6.80
6.80 to 6.90	6.90
6.90 to 7.00	7.00
7.00 to 7.10	7.10
7.10 to 7.20	7.20
7.20 to 7.30	7.30
7.30 to 7.40	7.40
7.40 to 7.50	7.50
7.50 to 7.60	7.60
7.60 to 7.70	7.70
7.70 to 7.80	7.80
7.80 to 7.90	7.90
7.90 to 8.00	8.00
8.00 to 8.10	8.10
8.10 to 8.20	8.20
8.20 to 8.30	8.30
8.30 to 8.40	8.40
8.40 to 8.50	8.50
8.50 to 8.60	8.60
8.60 to 8.70	8.70
8.70 to 8.80	8.80
8.80 to 8.90	8.90
8.90 to 9.00	9.00
9.00 to 9.10	9.10
9.10 to 9.20	9.20
9.20 to 9.30	9.30
9.30 to 9.40	9.40
9.40 to 9.50	9.50
9.50 to 9.60	9.60
9.60 to 9.70	9.70
9.70 to 9.80	9.80
9.80 to 9.90	9.90
9.90 to 10.00	10.00
10.00 to 10.10	10.10
10.10 to 10.20	10.20
10.20 to 10.30	10.30
10.30 to 10.40	10.40
10.40 to 10.50	10.50
10.50 to 10.60	10.60
10.60 to 10.70	10.70
10.70 to 10.80	10.80
10.80 to 10.90	10.90
10.90	

[illegible][illegible]

FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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CRWLFACE VENT & ACCESS DIMENSIONS ARE

LAYOUT CORNER

3'-4"

12'-0"

POLY P.D. IN CRAWL

LOC. ASS. DPG. @ HIGHEST PART (FOUND - 1 COURSE CAP BLOCK BOTTOM OF DPG.)

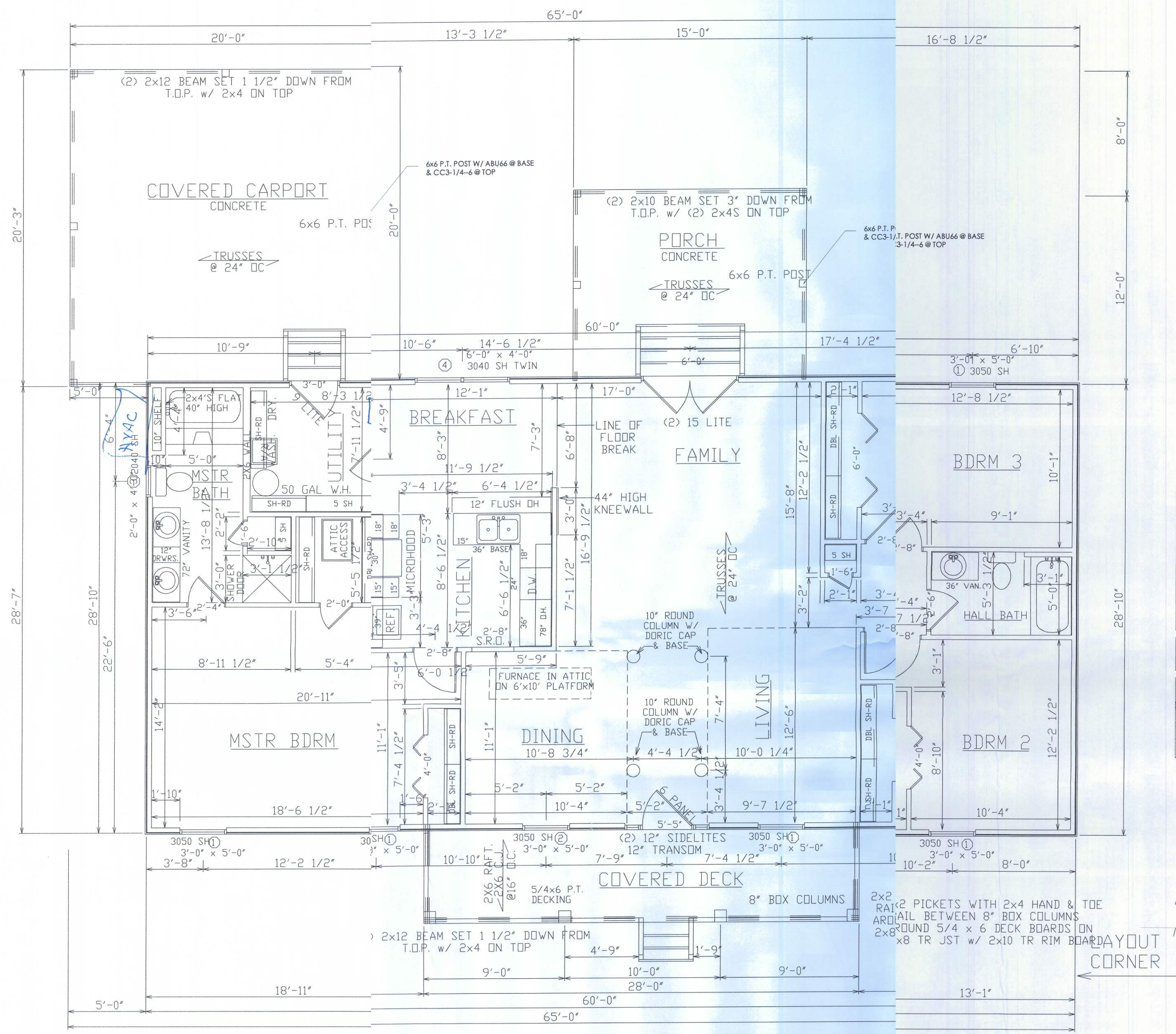
PED 4' BELOW HOUSE SLAB

1' OVER FILL DIRT

WITHIN CONCRETE BLOCKS, DO NOT LOCATE THESE VENTS- SHOULD BE INSTALLED PER LOCAL CODE UNDERAMS OR ANY OTHER STRUCTURAL LOCATIONS.

[illegible]

PROPERTY OF AMERICA'S HOME PLACE, INC. © COPYRIGHT 1995		THE BEDFORD B FOR J.C. & LULA FEAD COLUMBIA COUNTY, FL. JOB # 410008		AREAS: FIRST FLOOR SECOND FLOOR TOTAL HEATED FRONT PATIO REAR PORCH CARPORT		March 17, 2011 1730 S.F. N/A S.F. 1730 S.F. 168 S.F. 180 S.F. 401 S.F.		THIS STRUCTURE HAS BEEN DESIGNED FOR 120 MPH WIND LOADS AS PER SECTION R901 OF THE 2007 FLORIDA BUILDING CODE W/ 2009 SUPPLEMENTS.		BRIAN MILES, P.E. LIC. # 60995		BRIAN MILES, P.E. M.E.C., INC. PROFESSIONAL ENGINEER 1405 BEACH ST DAYTONA BEACH, FLORIDA 32114 PH: 386.67.1095 FX: 877.817.9105		ENGINEER'S SEAL		SHEET NO.: 1	
SOLD BY: D. CHANDLER												DB: BY: PATRICK L. MOY DEC. 08, 2010		OF 7			



DOOR SCHEDULE:

OPENING ID	COUNT	PRODUCT CODE	SIZE	R.D. SIZE
F	1	12-36-12 x 80 RH 6P Full	15'-5"	15'-5"
G	1	72X80 FRENCH A 2	6'-0"	R.D.-3"
I	1	36X80 COUNTRY A 1-MODIFIED	D3'-0"	R.D.-3"

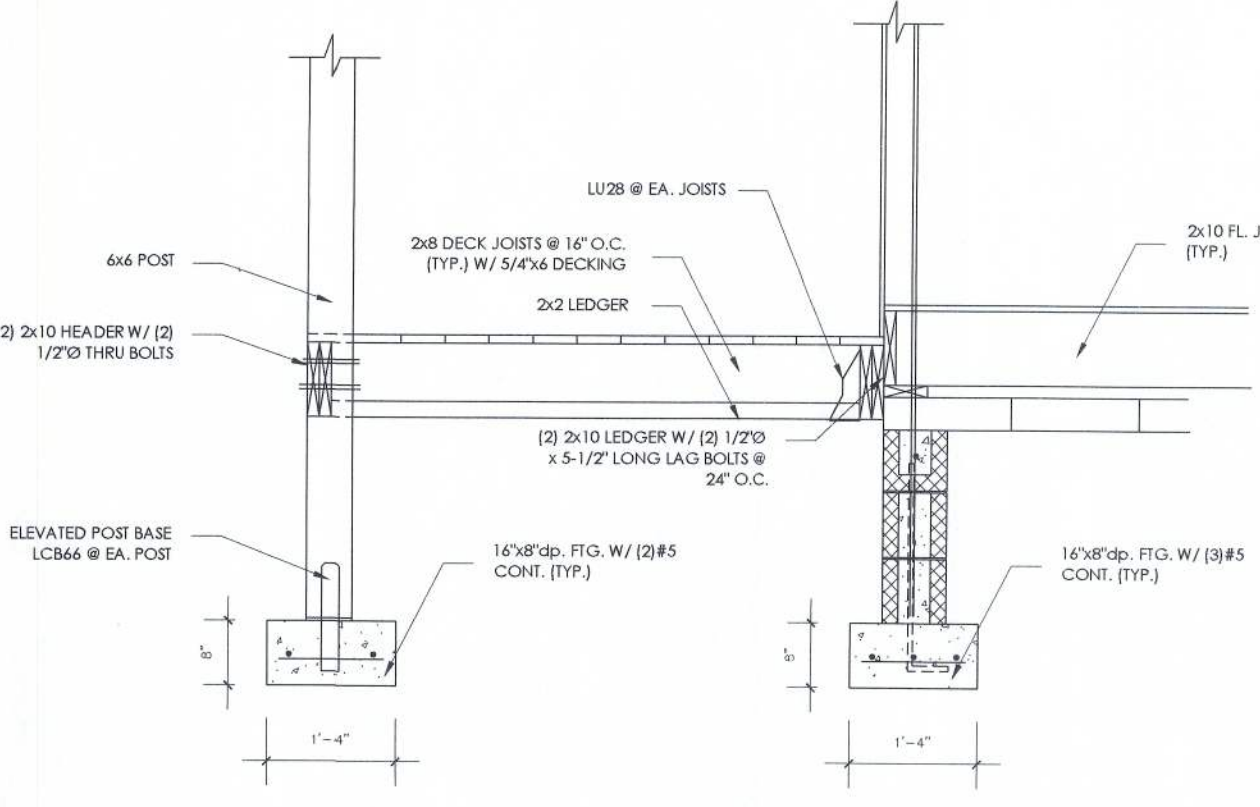
WINDOW SCHEDULE:

OPENING ID	COUNT	PRODUCT CODE	SIZE	R.D. SIZE
1	5	3050 SH	3'-0" x 5'-0"	R.D. 36 1/2" x 60 1/2"
2	1	3050 SH	3'-0" x 5'-0"	R.D. 36 1/2" x 60 1/2"
3	1	2040 SH	2'-0" x 4'-0"	R.D. 24 1/2" x 48 1/2"
4	1	3040 SH TWIN	6'-0" x 4'-0"	R.D. 72 1/2" x 48 1/2"

FLOOR PLAN

SCALE: 1/4" = 1'-0"

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FRONT PORCH DECK FRAMING
N.T.S.

WIND02 v2-06
 Detailed Wind Load Design (Method 2) per ASCE 7-02

User Input Data		Calculated Parameters	
Structure Type	Building	Importance Factor	1
Basic Wind Speed (V)	120 mph	Exposure Category (B, C, or D)	B
Exposure Category (B, C, or D)	B	Exposure (B, C, or D)	C
Roof Slope (theta)	12	Roof Slope (theta)	12
Roof Type	Gabled	Roof Type	Gabled
Roof Dimensions (Feet)	10.00	Roof Dimensions (Feet)	10.00
Roof Height (RH)	25.00	Roof Height (RH)	25.00
Mean Roof Height (RH)	18.00	Mean Roof Height (RH)	18.00
Width (W)	50.00	Width (W)	50.00
Width (W)	50.00	Width (W)	50.00
Width (W)	50.00	Width (W)	50.00

WIND02 v2-06
 Detailed Wind Load Design (Method 2) per ASCE 7-02
 5.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft²)
25	0.95	1.00	23.52	15.17
20	0.90	1.00	20.26	14.24
15	0.85	1.00	17.54	13.11

Figure 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi
Open Buildings	0.00
Partially Enclosed Buildings	0.18
Enclosed Buildings	0.18

GENERAL NOTES

MIN. 9'-1 1/8" CEILING HEIGHT ON FIRST FLOOR
 ALL LOAD BRNG WALLS & EXT. OPNGS TO HAVE
 (2) 2x10 HEADERS UNLESS OTHERWISE NOTED
 STANDARD FIRST FLOOR WINDOW HEADERS
 TO BE FRAMED DOWN 2'-2" FROM T.O.P.
 EXCEPT AS NOTED
 7/16" D.S.B. AND HOUSEWRAP REQUIRED
 DIMENSIONS ARE TO SHEATHING EXTERIOR;
 SUBTRACT 1/2" FROM DIMENSION FOR EXTERIOR
 WINDOW AND DOOR FRAMING LOCATION IF
 OPENINGS ARE FRAMED BEFORE SHEATHING
 INSTALLATION
 ALL INTERIOR DOORS ARE EITHER CENTERED
 ON WALLS OR R.D. STARTED A MINIMUM OF 4"
 FROM ADJOINING WALL UNLESS OTHERWISE
 DIMENSIONED
 NUMBER OF STAIR TREADS & RISERS MAY VARY
 AS A RESULT OF LOCAL BUILDING CODES,
 STANDARDS AND FINAL GRADE

CLOSET SHELF HEIGHT OFF FLOOR:
 SINGLE-65"
 DOUBLE-42" & 84"
 ALL PLUMBING FIXTURES SHOWN ARE A
 REPRESENTATION OF SIZE AND LOCATION ONLY.
 ACTUAL STYLE AND BRAND OF FIXTURES MAY
 VARY PER OFFICE LOCATION
 ALL TUBS/SHOWERS ARE TO HAVE
 NAILERS AT FLANGE
 INSTALL A 24" WIDE WALKWAY FROM ATTIC
 ACCESS TO FURNACE PLATFORM
 ALL FLOORING MATERIALS, SUPPLIES AND
 LABOR BY OWNER

2X4 EXTERIOR WALLS
UNLESS OTHERWISE SPEC.

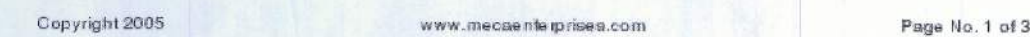
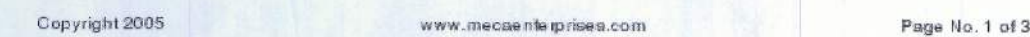
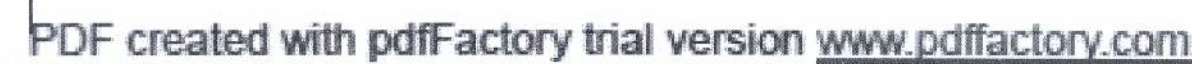
BRIAN MILES, P.E.
M.E.C., INC.
 PROFESSIONAL ENGINEER
 140 S. BEACH ST
 SUITE 404
 DAYTONA BEACH, FLORIDA 32114
 PH: 386.767.1095
 FX: 87.87.9105
 DR. BY: J. PATERNI / L.M.O. Dec. 08, 2010

THIS STRUCTURE HAS
 BEEN DESIGNED FOR 120
 MPH WIND LOADS AS
 PER SECTION K301 OF
 THE 2007 FLORIDA
 BUILDING CODE WITH 2009
 SUPPLEMENTS.
BRIAN R. MILES, P.E.
 LIC. # 60995

AREAS:
 FIRST FLOOR 1730 S.F.
 SECOND FLOOR N/A S.F.
 TOTAL HEATED 1730 S.F.
 FRONT PATIO 168 S.F.
 REAR PORCH 180 S.F.
 CARPORT 401 S.F.

THE BEDFORD B
 FOR J.C. & LULA FEAD
 COLUMBIA COUNTY, FL.
 JOB # 410008

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2X4 EXTERIOR WALLS
UNLESS OTHERWISE SPEC.

BRIAN MILES, P.E. M.E.C., INC.	ENGINEER'S SEAL	SHEET NO.:
	 PROFESSIONAL ENGINEER 140 S. BEACH ST DAYTONA BEACH, FLORIDA 32114 PH: 386.762.1095 FX: 877.817.9105	3 OF 7

THIS STRUCTURE HAS
BEEN DESIGNED FOR 120
MPH WIND LOADS AS
PER SECTION R301 OF
THE 2007 FLORIDA
BUILDING CODE W/ 2009
SUPPLEMENTS.

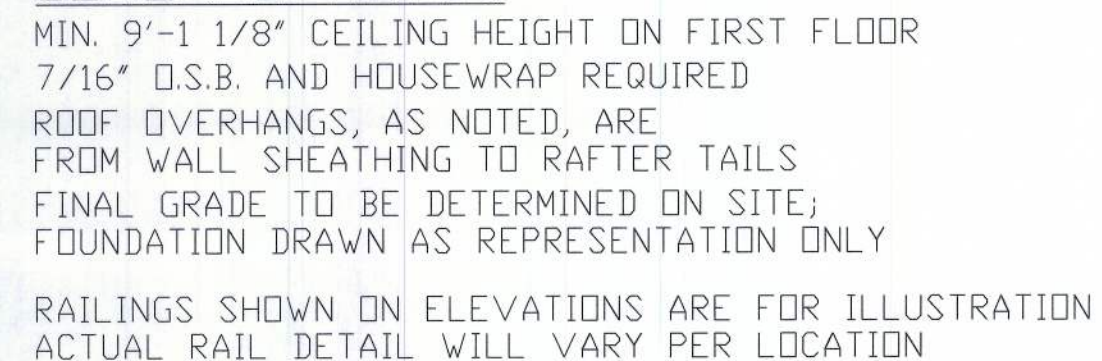
BRIAN R. MILES, P.E.
LIC. # 60995

AREAS:	
FIRST FLOOR	1730 S.F.
SECOND FLOOR	N/A S.F.
TOTAL HEATED	1730 S.F.
FRONT PATIO	168 S.F.
REAR PORCH	180 S.F.
CARPORT	401 S.F.

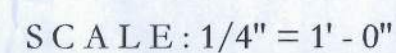
BEDFORD B
J.C. & LULA FEAD
COLUMBIA COUNTY, FL.
JOB # 410008

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SCALE: 1/4" = 1' - 0"



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ENGINEER'S SEAL	SHEET
	NO.:

PROFESSIONAL ENGINEER
140 S. BEACH ST

R. BY: J. PATERNO / L. MOY Dec. 08, 2011

LIC. # 60995

1730 SE

CARPORT

SWIN AHEAD

JOB # 41008

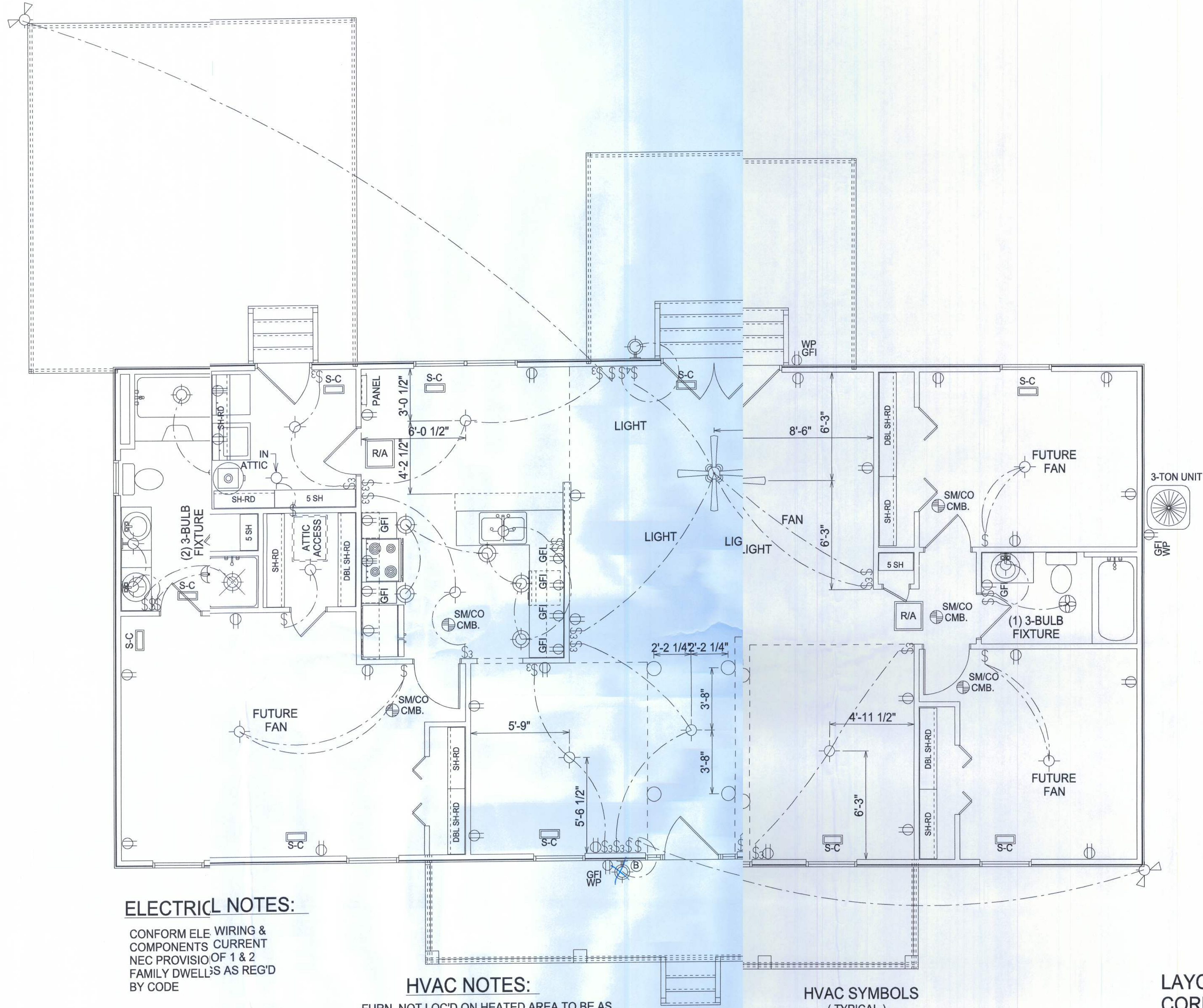
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Condition	Gepi	
	Max +	Ma
Open Buildings	0.00	0.1
Partially Enclosed Buildings	0.55	-0.
Enclosed Buildings	0.18	-0.
Enclosed Buildings	0.18	-0.

Windward - Max Up	0.00	0.00	0.00
Leeward Normal to Ridge	-0.80	-19.07	-9.12



ELECTRICAL NOTES:

CONFORM ELE WIRING &
COMPONENTS CURRENT
NEC PROVISIONS OF 1 & 2
FAMILY DWELLINGS AS REG'D
BY CODE

BRANCH CIRCUIT THAT
SUPPLY 125V, 3-Ø, 15
& 20AMP RECEPTACLE OUTLETS
IN BDRMS SHALL BE
PROTECTED BY GFCI-FAULT
CIRCUIT INTERRUPTER. ART.
210-12 (b) 1999

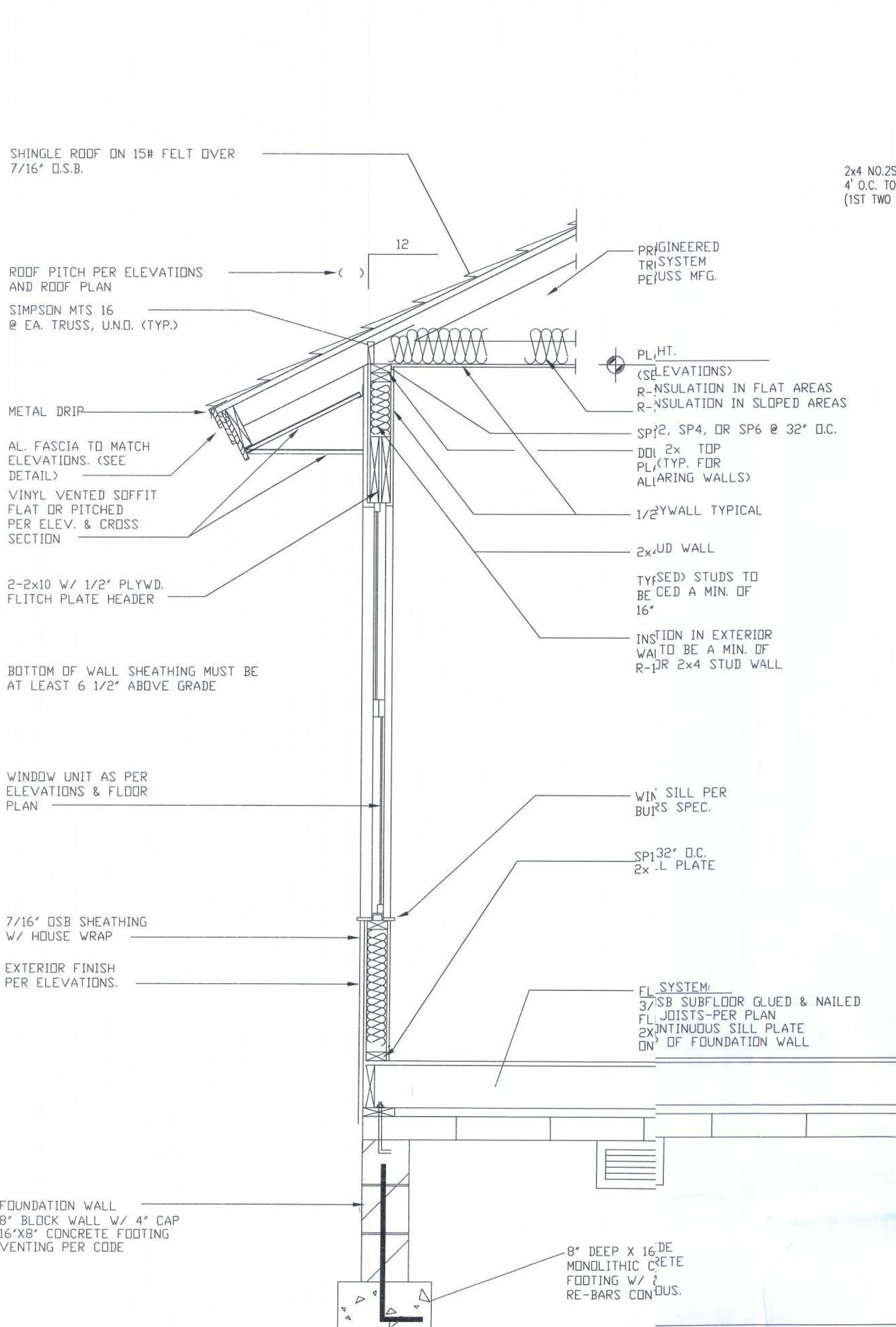
HVAC NOTES:

-FURN. NOT LOC'D ON HEATED AREA TO BE AS
CENTRALLY LOC'D AS POSS. IN ACCORD'CE WITH
ALL APPLICABLE CODES
-BUILDER & HVAC CONTRACTOR RESERVE THE
RIGHT TO LOC. SUPPLY VENTS OR LINES
-RETURN AIR REG'S TO BE AS CLOSE TO FURN.
UNIT & CENTRALLY LOC'D AS POSS.
-OUTSIDE COMPRESSOR UNIT TO BE LOCATED
AS CLOSE TO INT. AIR HANDLER AS POSSIBLE
-OUTSIDE COMPRESSOR UNIT TO BE LOCATED
10' AWAY MIN. FROM DRYER VENT

**HVAC SYMBOLS
(TYPICAL)**

- R/A RETURN AIR - CEILING
R/A RETURN AIR - WALL
S-C SUPPLY - CEILING
S-F SUPPLY - FLOOR
S-W SUPPLY - WALL

ELECTRICAL	SYMBOL
Ceiling Fan w Light	
Detector - Combo	SM/CO CMB.
Fan - Bath Exhaust	
Light - Ceiling Incand	
Light - Ceiling Recessed	
Light - Flood	
Light - Wall	
Light - Wall Ext Coach	
Misc - Door Bell	B
Outlet	
Outlet - GFI	GFI
Outlet - GFI Waterproof Ext.	WP GFI
Outlet - Sngl 220	
Panel	PANEL
Switch	\$
Switch - 3 Way	\$3
Switch - 4 Way	\$4



TYPICAL WALL SECTION
N.T.S.

NAILING SCHEDULES

FLORIDA BUILDING CODE 2001 120 MPH 'B' & 'C' EXPOSURE
(MINIMUM 1/2" CDX PLYWOOD)

SHEATHING 'B' EXPOSURE MEAN ROOF HEIGHT UP TO 30'

1. ROOF EDGE & CORNER ZONE; #8d COMMON NAILS @ 6" O.C. FIELD & 3" O.C. FOR EDGE OF SHEATHING
2. ROOF INTERIOR ZONE; #8d COMMON NAILS @ 12" O.C. FIELD & 6" O.C. FOR EDGE OF SHEATHING.
3. WALL EDGE & INTERIOR ZONE; #8d COMMON NAILS @ 12" O.C. FIELD & 6" O.C. FOR EDGE OF SHEATHING.

SHEATHING 'C' EXPOSURE MEAN ROOF HEIGHT UP TO 30'

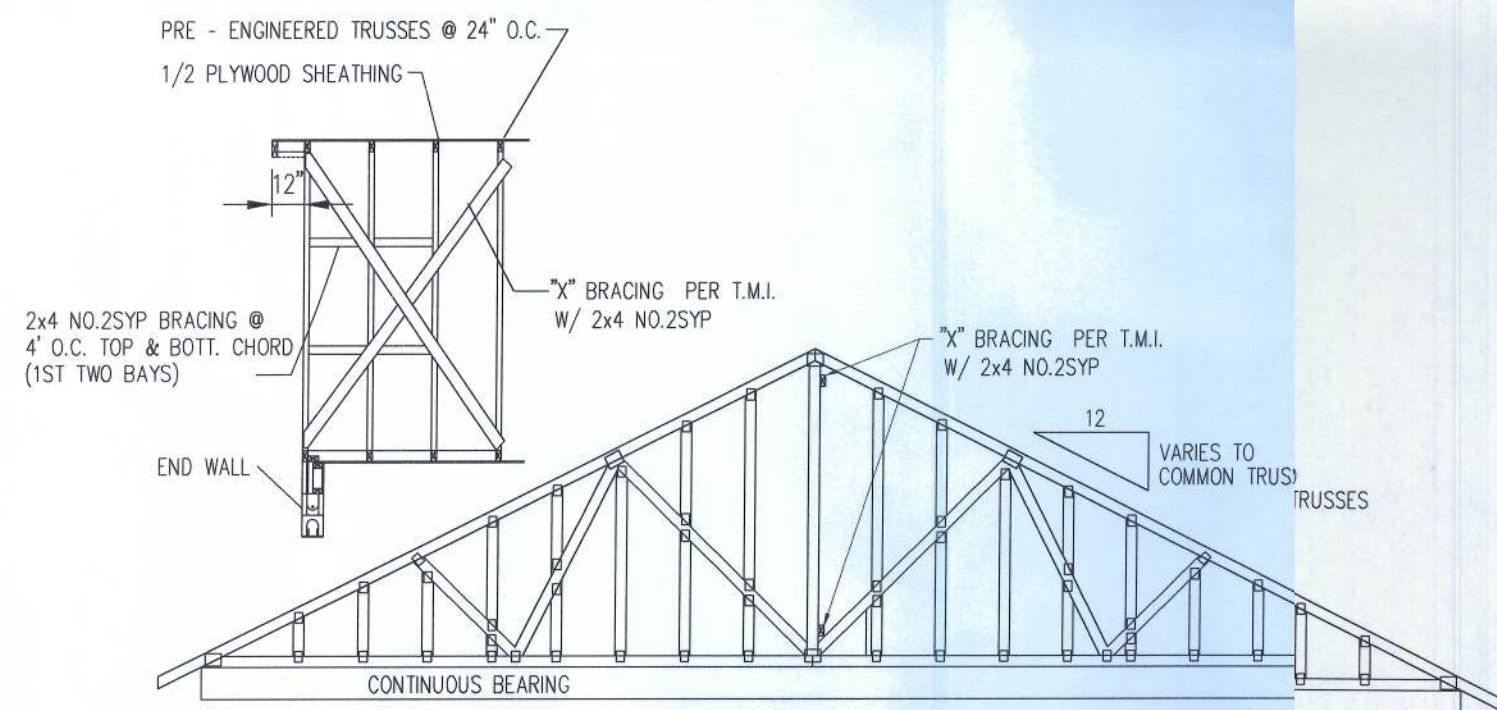
1. ROOF EDGE & CORNER ZONE; #10d COMMON NAILS @ 8" O.C. FIELD & 4" O.C. FOR EDGE OF SHEATHING
2. ROOF INTERIOR ZONE; #10d COMMON NAILS @ 12" O.C. FIELD & 6" O.C. FOR EDGE OF SHEATHING.
3. WALL EDGE & INTERIOR ZONE; #10d COMMON NAILS @ 12" O.C. FIELD & 6" O.C. FOR EDGE OF SHEATHING.

BUCK SPACING 'B' EXPOSURE

1. 1x2 WINDOW BUCKS EDGE OR CORNER ZONE FOR 1 3/8"x0.097" T HARDENED NAILS; 6" FROM END OF EACH BUCK STRIP AND 12" O.C. MAXIMUM.
2. 2x2 WINDOW BUCKS EDGE OR CORNER ZONE FOR 2 1/4"x0.113" HARDENED NAILS; 6" FROM END OF EACH BUCK STRIP AND 32" O.C. MAXIMUM.
3. FOR MASONRY HEADERS WITH STEEL COMPONENTS A CONSTRUCTION ADHESIVE DESIGNED FOR SECURING WOOD TO STEEL MAY BE USED IN LIEU OF SHOT FASTENERS INTO THE STEEL TO SECURE THE BUCKS TO THE STEEL. INSTALL WITH 3/8" BEAD PER MANUFACTURERS SPECIFICATIONS.

BUCK SPACING 'C' EXPOSURE

1. 1x2 WINDOW BUCKS EDGE OR CORNER ZONE FOR 1 3/8"x0.097" T HARDENED NAILS; 6" FROM END OF EACH BUCK STRIP AND 12" O.C. MAXIMUM.
2. 2x2 WINDOW BUCKS EDGE OR CORNER ZONE FOR 2 1/4"x0.113" HARDENED NAILS; 6" FROM END OF EACH BUCK STRIP AND 24" O.C. MAXIMUM.
3. FOR MASONRY HEADERS WITH STEEL COMPONENTS A CONSTRUCTION ADHESIVE DESIGNED FOR SECURING WOOD TO STEEL MAY BE USED IN LIEU OF SHOT FASTENERS INTO THE STEEL TO SECURE THE BUCKS TO THE STEEL. INSTALL WITH 1/2" BEAD PER MANUFACTURERS SPECIFICATIONS.

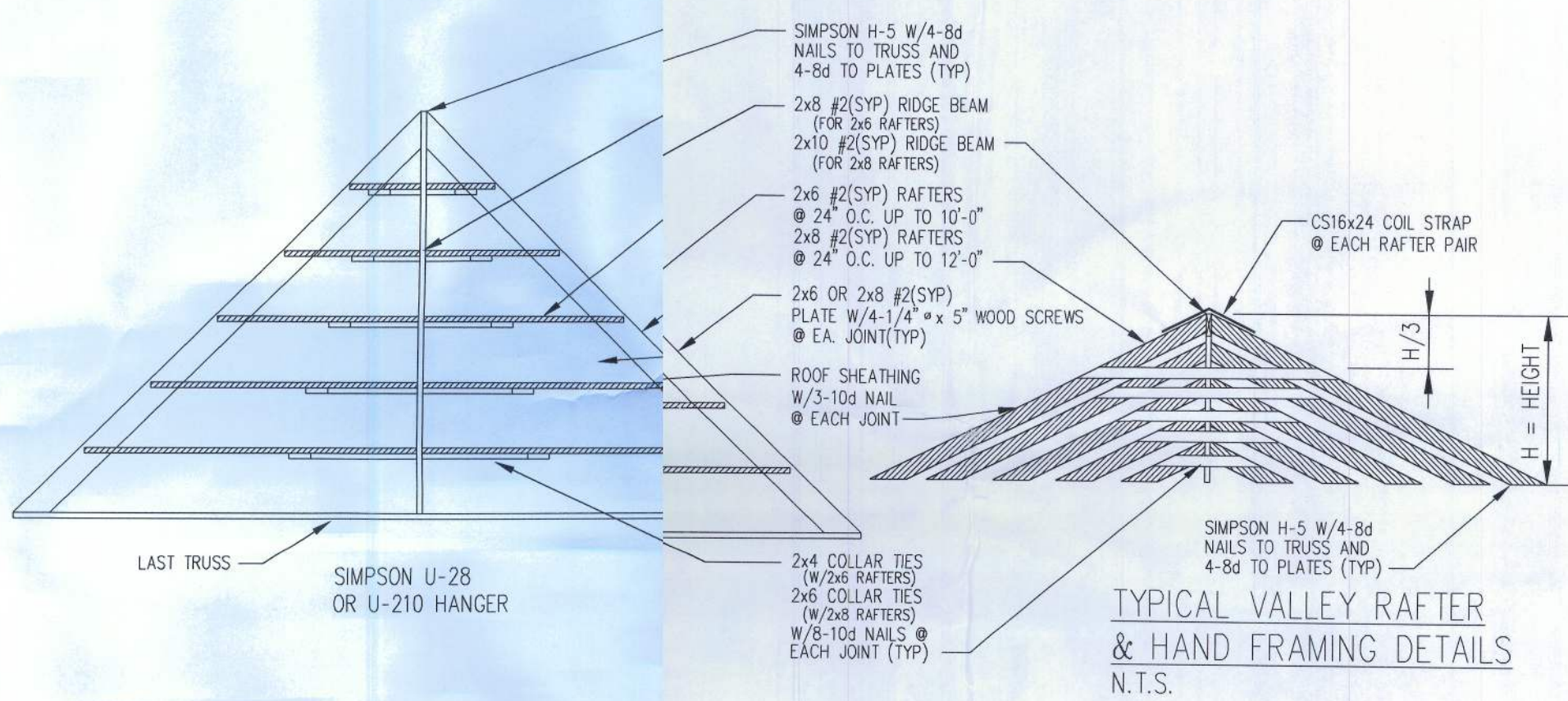


STANDARD CABLE END DETAIL
N.T.S.



NOTE: 3" FLAT HEAD WOOD SCREWS ARE USED IN DOOR HINGES

TYPICAL EXTERIOR DOOR BUCK DETAIL IN WOOD FRAME WALL
N.T.S.

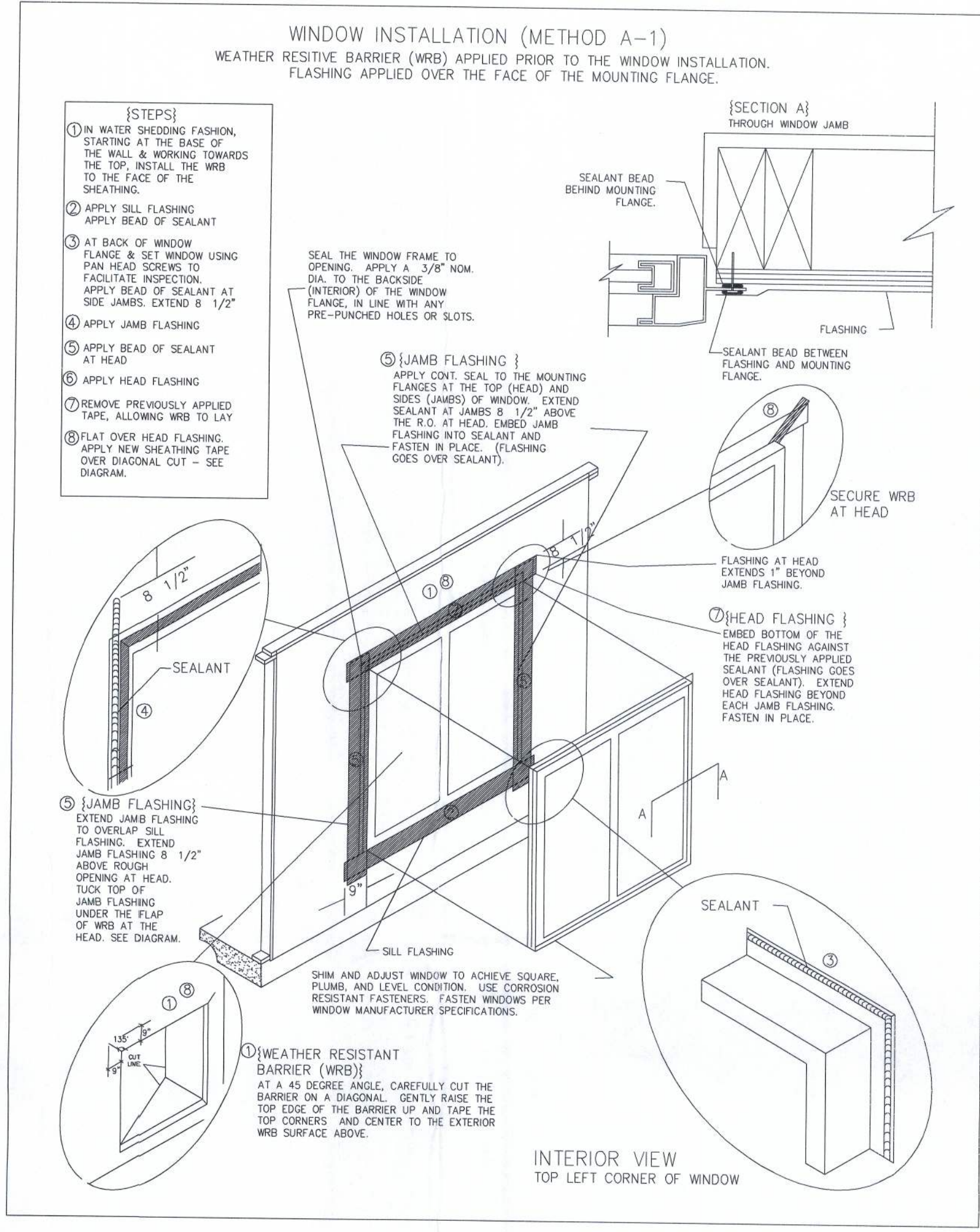


TERMITE PROTECTION NOTES

1. PROVIDE A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
2. IF APPLICABLE, CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS.
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS.
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6" INCHES. EXCEPTION: PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL.
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED.
7. BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT.
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS.
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED.
12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."
14. AFTER ALL WORK IS COMPLETE, LOOSE WOOD AND FULL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.

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WIND02 v2-06
Detailed Wind Load Design (Method 2) per ASCE 7-02

Description: Beam Residence
Analysis by: BHM

User Input Data

Structure Type	Building
Basic Wind Speed (V)	120 mph
Exposure Category (B, C, or D)	B
Topographic Factor (Kt)	1.0
Roof Slope (S)	0.0
Roof Shape (Type)	0.0
Type of Roof	Gabled
Kd (Discontinuity Factor)	0.85
Roof Height (RH)	10.00 ft
Ridge Height (RH)	25.00 ft
Mean Roof Height (RH)	18.00 ft
Width Parallel To Wind Dir (B)	50.00 ft
Width Perpendicular To Wind Dir (L)	40.00 ft

Calculated Parameters

Type of Structure	0.45
Height Limited Horizontal Dim	No
Flexible Structure	No

Wind Pressure Coefficients, Cp

Roof Area (sq. ft.)	1,000
Reduction Factor	1.00

Roof Pressure Coefficients, Cp

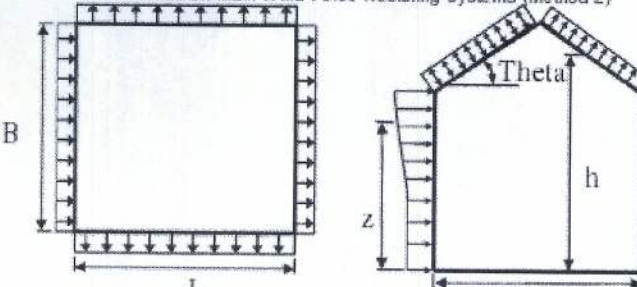
Windward Wall	+0.9
Leeward Wall	-0.9
Windward Roof	+0.8
Leeward Roof	-0.8

1/9/2011

WIND02 v2-06 Detailed Wind Load Design (Method 2) per ASCE 7-02 6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft²)
25	0.95	1.00	29.82	15.17
20	0.90	1.00	26.26	14.24
15	0.85	1.00	22.66	13.21

Figure 6-5 - External Pressure Coefficients, Cp



Variable Formulas

Kz	2.01 (Ht/30)^(2/5)	0.88
Kzt	Topographic Factor (Fig 6-4)	1.00
qz	0.00256 V^2 Kz Kzt Kd	27.64
Cpe	Cpe = 0.85	0.85
Cpi	Cpi = -0.85	-0.85

Windward Wall (See Figure 6.5.12.2.1 for Pressure)

Roof Pressure Coefficients, C_p	
Area (sq. ft.)	
Exposure Factor	

Roof Pressure Coefficients, Cp

Windward Roof	+0.8
Leeward Roof	-0.8

Calculations for Wind Normal to 50 ft Face

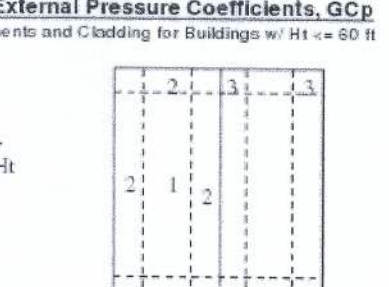
Windward Wall (Wind Dir Normal to 50 ft wall)	Cp	Pressure (psf)
Windward Wall	+0.9	15.17
Leeward Wall	-0.9	-15.17
Windward Roof	+0.8	15.17
Leeward Roof	-0.8	-15.17

1/9/2011

WIND02 v2-06 Detailed Wind Load Design (Method 2) per ASCE 7-02

Overlaping Top (Windward)	-0.12
Overlaping Top (Leeward)	-0.12
Overlaping Bottom (Applicable on Windward only)	-0.12
Overlaping Bottom (Applicable on Leeward only)	-0.12

Figure 6-11 - External Pressure Coefficients, G Cp



Variable Formulas

G Cp	G Cp = 0.85
G Cp	G Cp = -0.85

Windward Wall (See Figure 6.5.12.2.1 for Pressure)

3.15	4	1.00	-1.10
4.00	4	1.00	-1.10
48.00	4	0.88	-0.98
20.10	4	0.95	-1.05

Roof Pressure Coefficients, Cp

Windward Roof	+0.8
Leeward Roof	-0.8

Calculations for Wind Normal to 50 ft Face

Windward Wall (Wind Dir Normal to 50 ft wall)	Cp	Pressure (psf)
Windward Wall	+0.9	15.17
Leeward Wall	-0.9	-15.17
Windward Roof	+0.8	15.17
Leeward Roof	-0.8	-15.17

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FOR J.C. & LULA FEAD
COLUMBIA COUNTY, FL.
JOB # 410008

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BRIAN MILES, P.E.
M.E.C., INC.

PROFESSIONAL ENGINEER
140 S. BEACH ST
SUITE 404
DAYTONA BEACH, FLORIDA 32114
PH: 386.767.1095
FX: 387.817.9105

DR. BY: J. PATRICK / LMOY Dec. 08, 2010

SHEET NO. 7 OF 7

THIS STRUCTURE HAS BEEN DESIGNED FOR 120 MPH WIND LOADS AS PER SECTION 9001 OF THE 2007 FLORIDA BUILDING CODE WITH SUPPLEMENTS.

AREAS: March 17, 2011

FIRST FLOOR	1730 S.F.
SECOND FLOOR	N/A S.F.
TOTAL HEATED	1730 S.F.
FRONT PATIO	168 S.F.
REAR PORCH	180 S.F.
CARPORT	401 S.F.

BRIAN R. MILES, P.E.
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