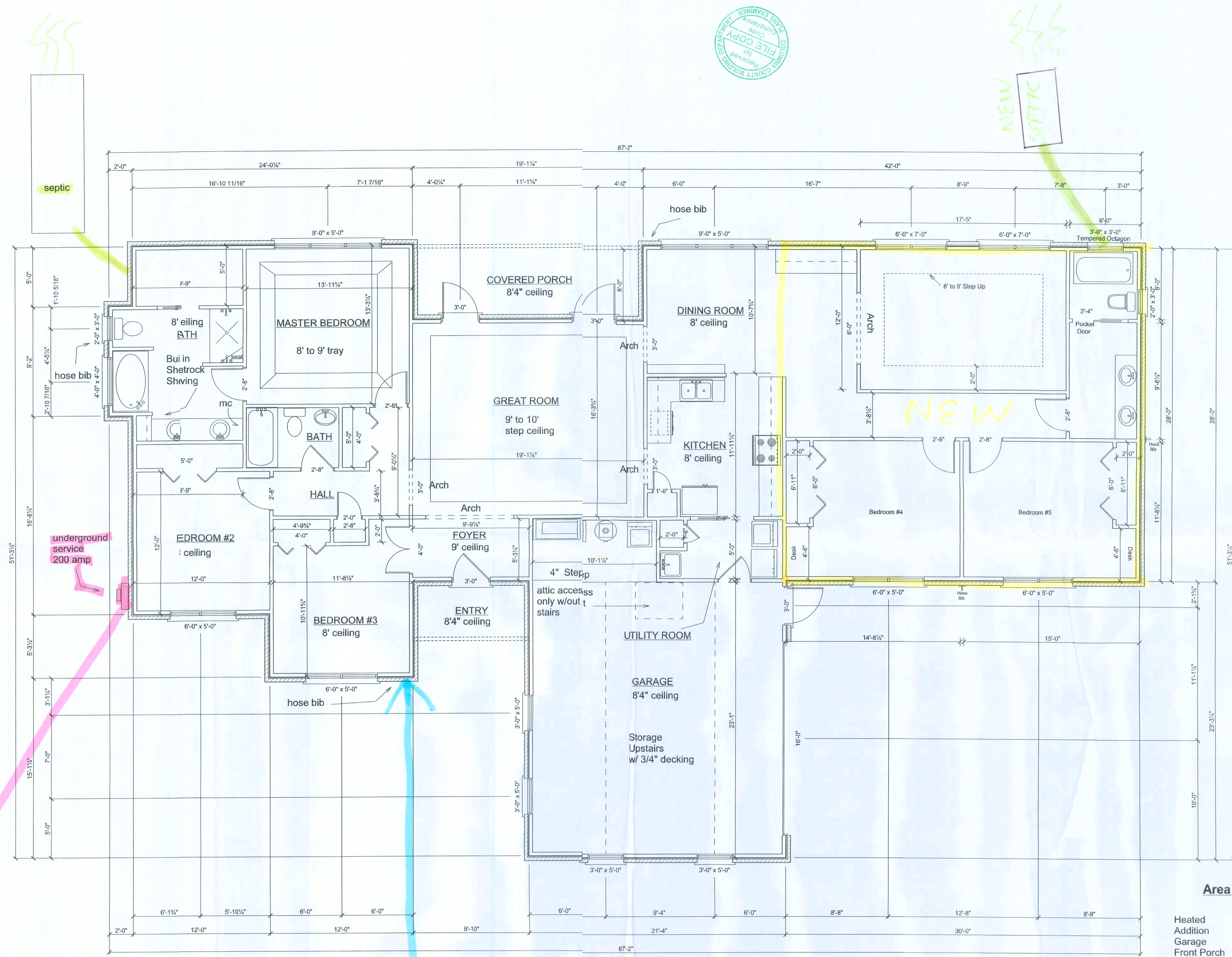


UNDERGROUND  
POWER



Floor Plan 1  
Scale 1/4" = 1'

Area	
Heated Addition	1599
Garage	840
Front Porch	482
Rear Porch	49
Total area	122



9-19-08  
W. Wood

Drafted by:  
William G. Wood  
386-365-1184

Builder  
WindTech Contracting Corp.  
2747 S.W. Main Blvd.  
Lake City, Florida  
386-365-1184

Matthews Addition  
in  
Columbia County, Fl.  
Hollingsworth Estates

Floor Plan

Sheet Number  
1

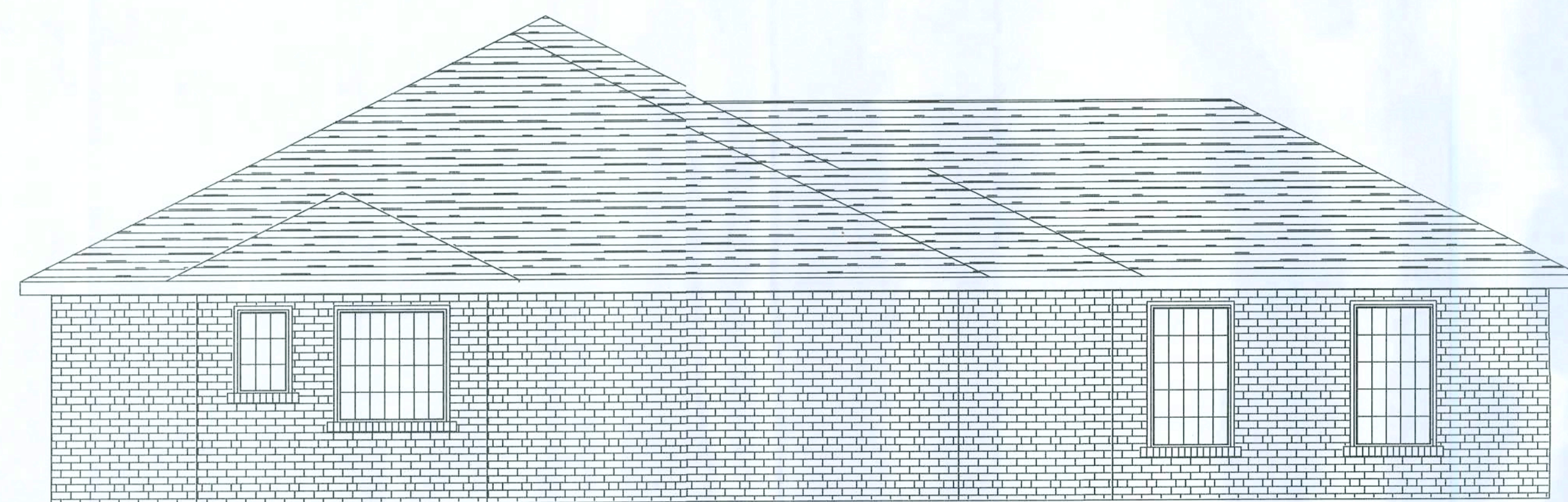




Front Elevation



Rear Elevation



Left Elevation



Right Elevation

Roof Notes:

- 1) All roof pitches to be 6/12
- 2) All overhangs to be 24" unless otherwise noted
- 3) Attic insulation to be R-30
- 4) Off ridge vents to be installed to meet the 1/300 rule
- 5) Shingles to be 30 year architectural to match existing



80-61-6  
*[Signature]*

Drafted by:  
 William G. Wood  
 386-365-1184

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 2747 S.W. Main Blvd.  
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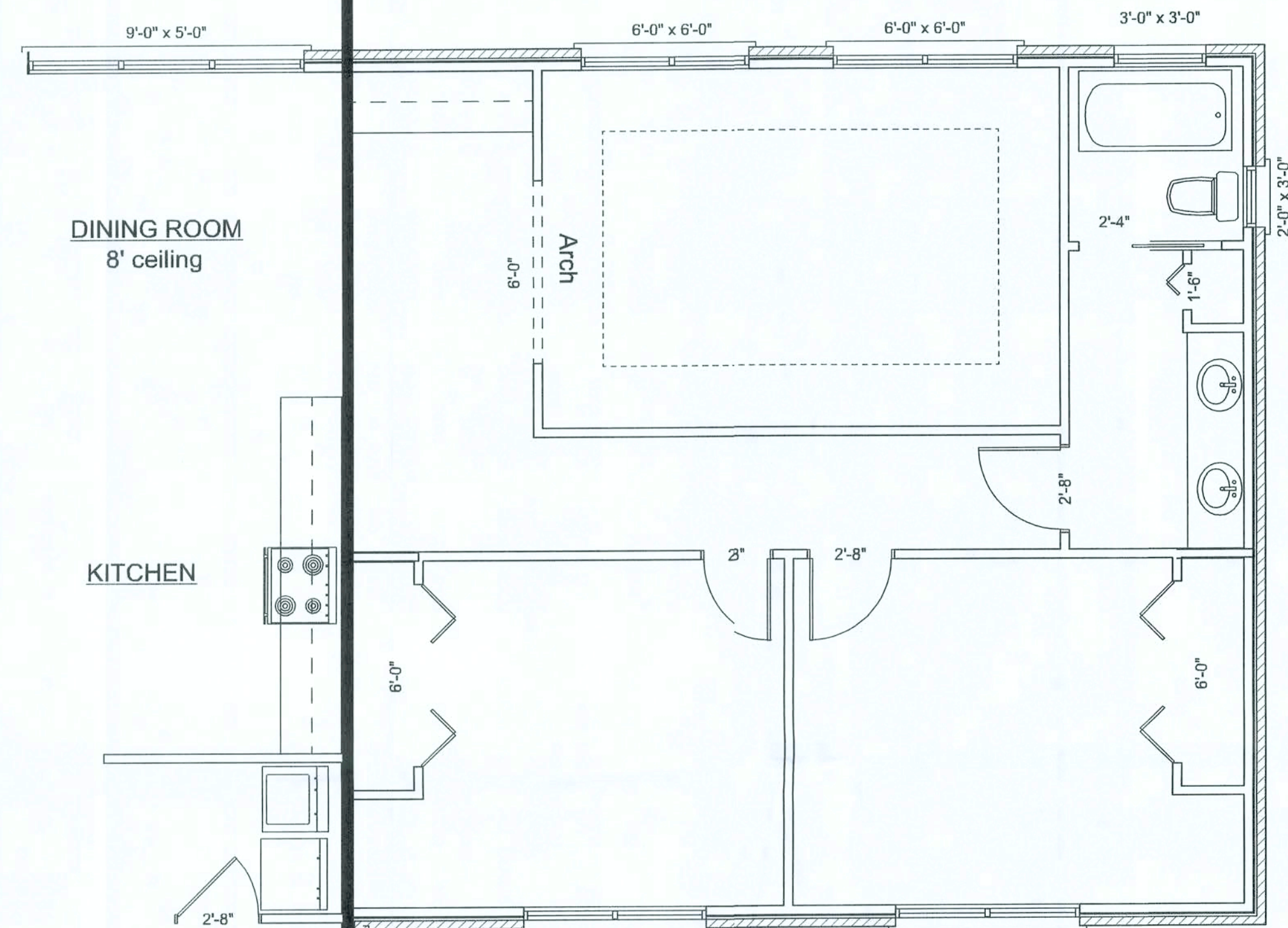
All Elevations

Sheet Number  
 2



Existing  
Structure

New  
Addition

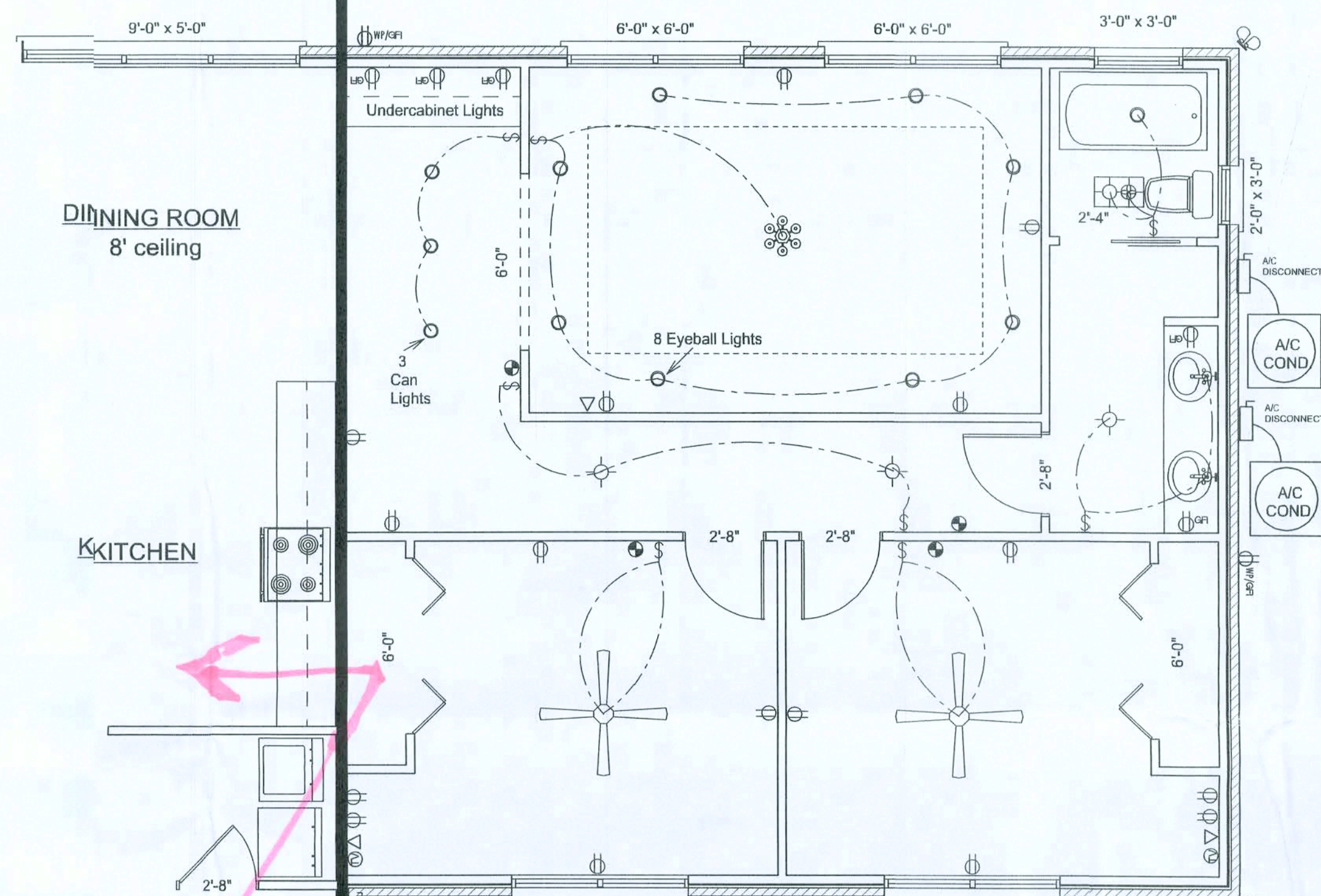


Constiuction Notes:

- 1) H.V.A.C. to be relocated and sized by liscensed Contractor and approved by Engineer and County Plans Examiner.
- 2) Water intake to be relocated by Building Contractor.
- 3) Septic to be reengineered by Soil Scientist and drainfield and tank size to be approved by County Enviromental lealth Department.
- 4) Electrical additions to be designed by State Certified Electician and approved by Engineer and County Plns Examiner.
- 5) Roof modificaons to be designed by Truss engineer. All sapping details to be supplied with Stamps ad Seals to Engineer for approval.

Existing  
Structure

New  
Addition



Electrical Plan

- Electrical Plan Notes
- E-1 Wire all appliances, HVAC units and other equipment per manufacturers specifications.
  - E-2 Consult the owner for the number of separte telephone lines to be installed.
  - E-3 All installations shall be per national electric code.
  - E-4 All smoke detectors shall be 120V w/battery backup of the photoelectric type, and shall be interlocked together install inside and near all bedrooms.
  - E-5 Telephone, television and other low voltage devices or outlets shall be as per the owners direction and in accordance with applicable sections or national electrical code latest edition.
  - E-6 Electrical contractor shall be responsible for the design and sizing of electrical service and circuits.
  - E-7 Entry of service underground or overhead is to be determined by the power company.
  - E-8 All bedroom recepticals are to be AFCI (Arc Fault Circuit Interrupt).
  - E-9 All outside recepticals are to be weatherproofed GFIs.

ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	2x4 FLUORESCENT LIGHT FIXTURE
	RECESSED CAN LIGHT
	BATH EXHAUST FAN WITH LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
	GFI DUPLEX OUTLET
	SMOKE DETECTOR
	WALL SWITCH
	3 WAY WALL SWITCH
	4 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	PHONE JACK
	TELEVISION JACK
	GARAGE DOOR OPENER
	WALL HEATER

ELECTRICAL  
TO BE ADDED  
TO EXISTING  
PANEL.  
w/panel



90-61-6  
J. G. Wood

Drafted by:  
William G. Wood  
386-365-1184

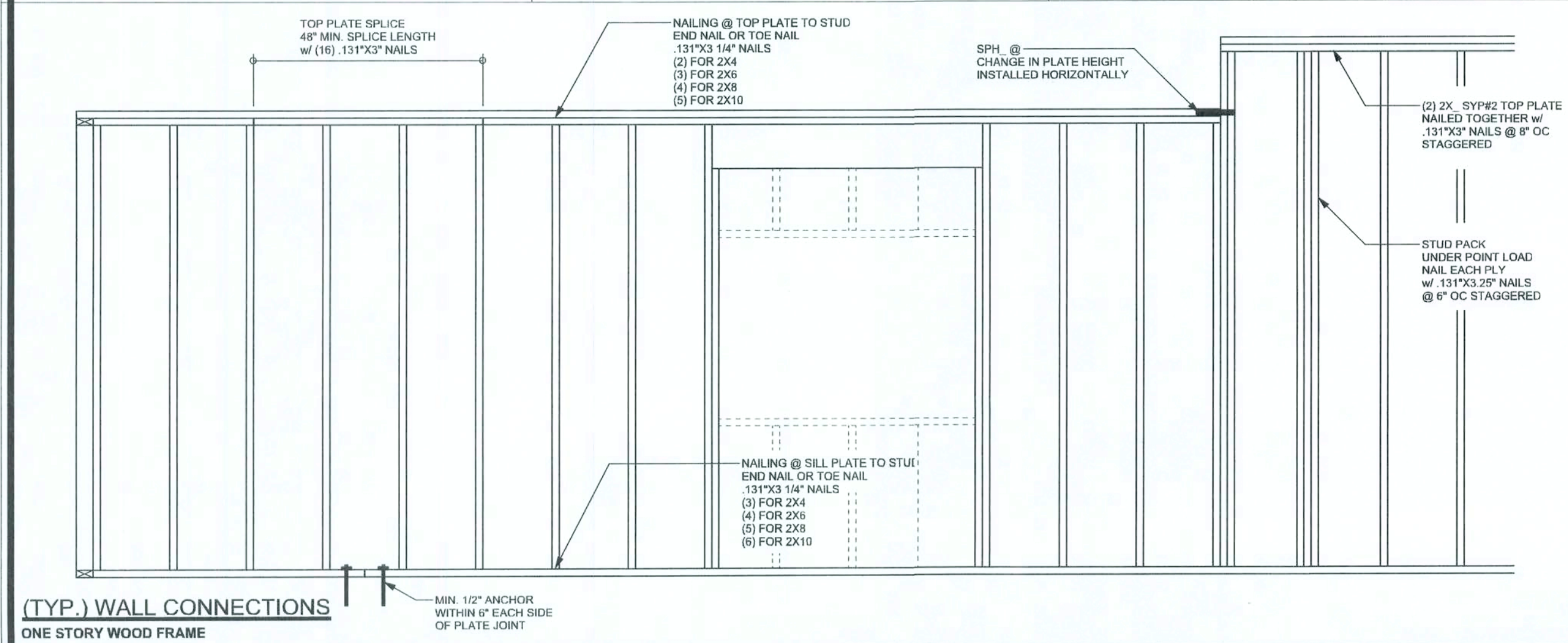
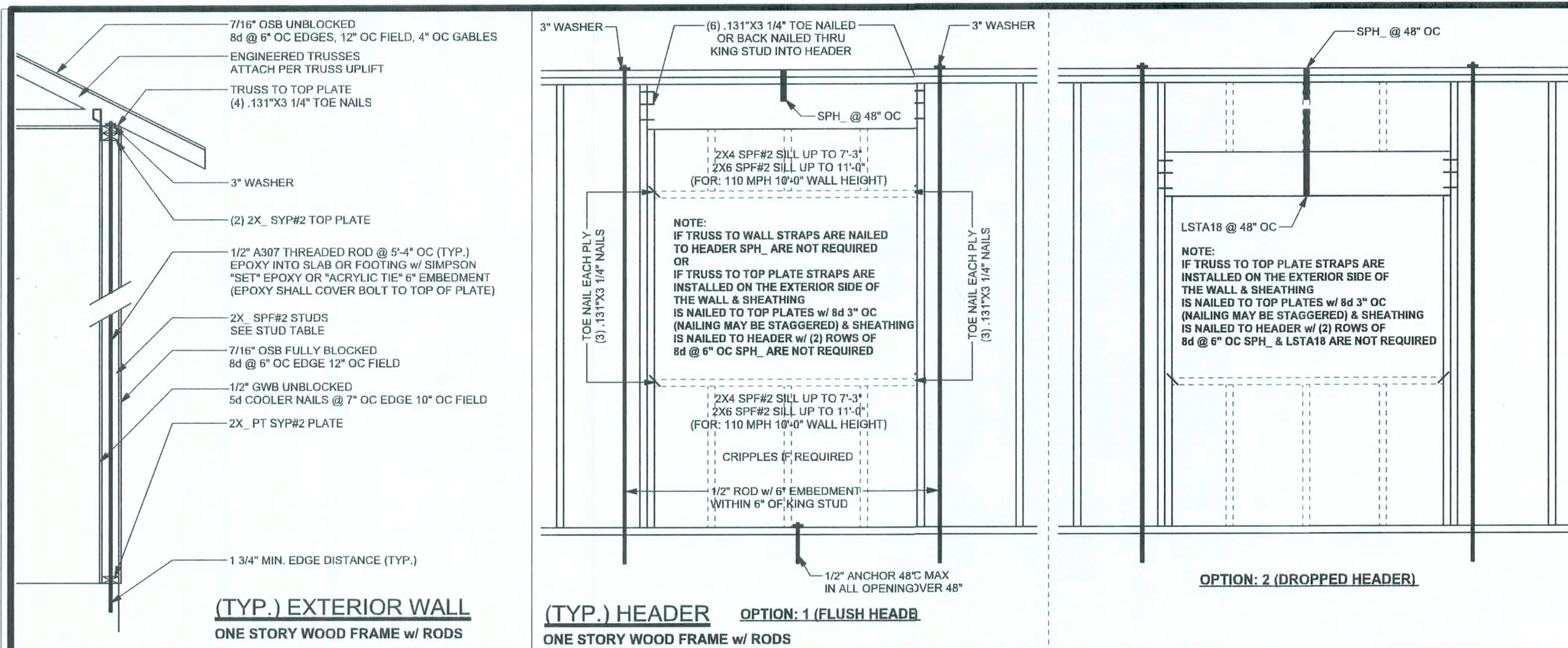
Builder  
WindTech Contracting Corp.  
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Matthews Addition  
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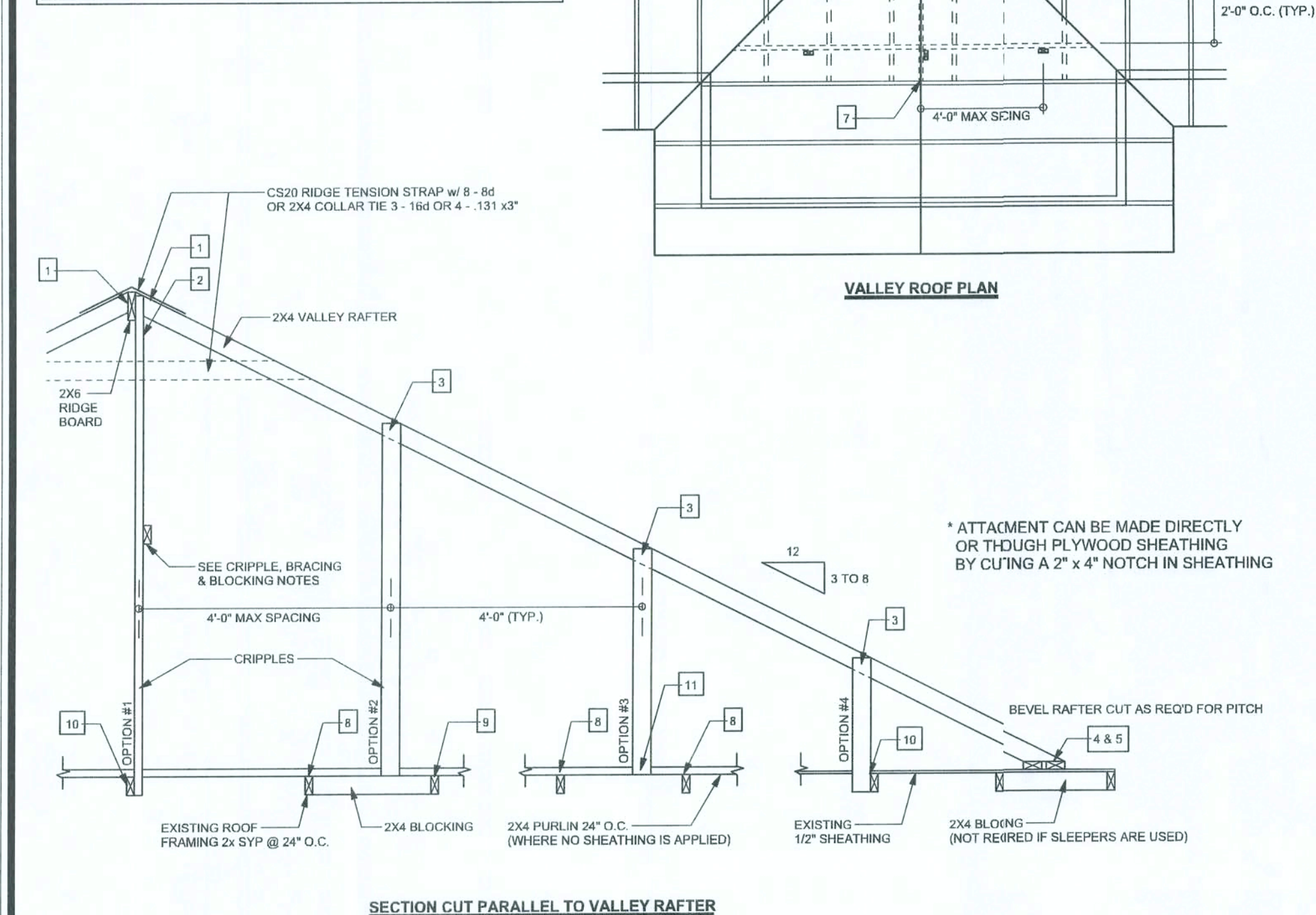
Addition Only:  
Construction Notes  
and  
Electrical Plan

Sheet Number  
3





LUMBER SIZE & GRADE MINIMUM REQUIREMENTS	
RIDGE BOARD	2X6 SYP #2
RAFTER SPANS 20'-0" OR LESS	2X4 SYP #2
PURLINS / LATERAL BRACING	2X4 SYP #2
SLEEPERS	2" (WIDTH OF RAFTER SEAT CUT) SPF #3 OR 2 PARALLEL 2X4 SPF #3
CRIPPLES & BLOCKING	2X4 SPF #2 OR BETTER
TRUSS BELOW	SEE TRUSS DESIGN - SOUTHERN PINE MATERIAL



### RETROFIT ROOF OVER FRAMING & BRACING DETAIL

SCALE: N.T.S.

### ANCHOR TABLE

OBTAIN UPLIFT REQUIREMENTS FROM TRUSS MANUFACTURER'S ENGINEERING

TRUSS CONNECTOR	UPLIFT SYP	UPLIFT SPF	F1 SYP	F2 SYP	F1 SPF	F2 SPF	TO RAFTER/TRUSS	TO PLATES
H5	455	265	115	200	100	170	4-8d x 1 1/2"	4-8d x 1 1/2"
H3	415	290	125	160	105	140	4-8d x 1 1/2"	4-8d x 1 1/2"
H2.5	415	365	150	150	130	130	5-8d x 1 1/2"	5-8d x 1 1/2"
H2.5A	480	480	110	110	110	110	5-8d x 1 1/2"	5-8d x 1 1/2"
H6	850	820					8-8d	
H8	745	565					5-10d x 1 1/2"	5-10d x 1 1/2"
H14-1	1465	1050	515	265	480	245	12-8d x 1 1/2"	13-8d
H14-2	1465	1050	515	265	480	245	12-8d x 1 1/2"	15-8d
H10	990	850	585	525	505	450	8-8d x 1 1/2"	8-8d x 1 1/2"
H10-2	760	655	455	395	380	340	6-10d	6-10d
H16	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
H16-2	1470	1265					2-10d x 1 1/2"	10-10d x 1 1/2"
LT512 - LT520	1000	620					6-10d x 1 1/2"	6-10d x 1 1/2"
MT512 - MT530	1000	860					7-10d x 1 1/2"	7-10d x 1 1/2"
HT516 - HT530	1450	1245					12-10d x 1 1/2"	12-10d x 1 1/2"
<b>HEAVY GIRDER TIEDOWNS</b>			<b>TO FOUNDATION</b>					
LG2	2050	1785	700	170	700	170	14-16d	14-16d
LG13-SDS2.5	3685	2655	795	410	795	410	12-SDS 1/4" x 2 1/2"	26-16dS
LG14-SDS3	4060	3860	2000	675	2000	675	12-SDS 1/4" x 3"	36-16dS
MGT	3965	3330					22-10d	5/8" ANCHOR
HGT-2	10980	6485					16-10d	2-5/8" ANCHOR
HGT-3	10530	9035					16-10d	2-5/8" ANCHOR
HGT-4	9250	9250					16-10d	2-5/8" ANCHOR
<b>STUD STRAP CONNECTOR</b>			<b>TO STUDS</b>					
SSP DOUBLE TOP PLATE	435	435					3-10d	4-10d
SSP SINGLE SILL PLATE	455	420					1-10d	4-10d
DSP DOUBLE TOP PLATE	825	825					6-10d	8-10d
DSP SINGLE SILL PLATE	825	600					2-10d	8-10d
SP1	585	535					4-10d	6-10d
SP2	1065	605					6-10d	6-10d
SP4	885	760					6-10d x 1 1/2"	6-10d x 1 1/2"
SPH4	1240	1065					10-10d x 1 1/2"	10-10d x 1 1/2"
SP6	885	760					6-10d x 1 1/2"	6-10d x 1 1/2"
SPH6	1240	1065					10-10d x 1 1/2"	10-10d x 1 1/2"
LSTA18	1235	1110					14-10d	
LSTA21	1235	1235					16-10d	
CS20	1030	1030					14-10d	
CS16	1705	1705					23-10d	
<b>STUD ANCHORS</b>			<b>TO STUDS</b>		<b>TO FOUNDATION</b>			
LTT19	1350	1305					8-16d	1/2" ANCHOR
LTT131	2310	2310					16-10d x 1 1/2"	5/8" ANCHOR
HD2A	2775	2578					2-5/8" BOLTS	5/8" ANCHOR
HTT16	4175	3695					16-16d	5/8" ANCHOR
HTT22	5260	5250					32-16d	5/8" ANCHOR
ABU44	2300	2300					12-16d	5/8" ANCHOR
ABU66	2300	2300					12-16d	5/8" ANCHOR
ABU88	2320	2320					16-16d	2-5/8" ANCHOR

- (1) w/ INSTALLATION OF 4-16dS OPTIONAL L NAIL HOLES  
(2) FOR SYP GIRDER & SPF STUDS

### EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 11'-9" STUD HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" STUD HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" STUD HEIGHT
(1) 2x6 @ 12" OC	TO 20'-0" STUD HEIGHT

THIS STUD HEIGHT TABLE IS PER WFCM 2001, TABLE 3.208. EXTERIOR LOAD BEARING & NON LOAD BEARING STUD LENGTHS RESISTING INTERIOR ZONE WIND LOADS 110 MPH EXPOSURE 9 STUD SPACINGS SHALL BE MULTIPLIED BY 0.85 FOR FRAMING LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. EXAMPLE 16" O.C. x 0.85 = 13.6" O.C.

### GRADE & SPECIES TABLE

		Fb (psi)	E (10 <sup>6</sup> psi)
2x8	SYP #2	1200	1.6
2x10	SYP #2	1050	1.6
2x12	SYP #2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	2900	2.0
PSL	PARALAM	2900	2.0

### GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY TO VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB EACH END. 2X8 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN. FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS ASSUME 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOIL TEST PROVES OTHERWISE.

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS: F<sub>c</sub> = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 8" x 8" w/ 4" x W14. F<sub>y</sub> = 60KSI. WELDED WIRE REINFORCEMENT FABRIC (W.W.R.) 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 LENGTH 1 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY 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 RATIO OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL 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 A615, GRADE 60, DEFORMED BARS, F<sub>y</sub> = 60 KSI. ALL LAP SPICES 40" DB 20" FOR #6 BARS. UNO. REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-96, U.N.O.

GLULAM BEAMS: GLB, 24F-V3SP, F<sub>b</sub> = 2.4ksi, E = 1800ksi. UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALC.

ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS, 7/16" OSB SHEATHING. UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING. OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (131), 1" OC PANEL EDGES, 2" OC INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY, 4" OC, UNO.

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 BEAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 3/64". WITH 5/8" BOLTS TO BE 3" x 3" x 3/64". WITH 3/4" BOLTS TO BE 3" x 3" x 3/64". WITH 7/8" BOLTS TO BE 3" x 3" x 5/16". UNO.

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

### 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 SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.

PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBCR 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES TO FOUNDATION. IF YOU BELIEVE THE PLAN OMTS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

### ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301.2, IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO FRAMING. OVER A MINIMUM OF 3 FRAMING MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBCR 2004 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

### DESIGN DATA

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION R301.2.1 (ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS. MEAN ROOF HEIGHT NOT EXCEEDING EAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60 FT IN EXP. B, 30 FT IN EXP. C AND >10% SLOPE AND UNCONSTRUCTED UPPERMOST 50' HEIGHT OR 1 MILE WHICHEVER IS LESS.)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE.

- BASIC WIND SPEED = 110 MPH
- WIND EXPOSURE = B
- WIND IMPORTANCE FACTOR = 1.0
- BUILDING CATEGORY = II
- ROOF ANGLE = 10-45 DEGREES
- MEAN ROOF HEIGHT = -30 FT
- INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TABLE R301.2(2))

Zone	Effective Wind Area (ft <sup>2</sup> )		
	10	21.8	100
1	19.9	-21.8	-18.1
2	19.9	-25.5	-18.1
2 Oth		-40.6	-40.6
3	19.9	-25.5	-18.1
3 Oth		-48.5	-42.4
4	21.8	-23.6	-18.5
5	21.8	-29.1	-22.6
Doors & Windows	21.8	-29.1	
Wind Case			
8x7 Window (Zone 5, 10 RZ)			
16x7 Garage Door	19.5	-22.9	
16x7 Garage Door	18.5	-21.0	

DESIGN LOADS	
FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)
ROOF	20 PSF (FLAT OR <4:12)
	16 PSF (4:12 TO <12:12)
	12 PSF (12:12 AND GREATER)
STAIRS	40 PSF (ONE & TWO FAMILY DWELLINGS)
	SOIL BEARING CAPACITY 1000PSF
	NOT IN FLOOD ZONE (BUILDER TO VERIFY)

**ALTERNATE CONNECTION WHERE ROD CANNOT BE PLACED IN WALL**  
ONE STORY WOOD FRAME w/ RODS

ALLOWABLE UPLIFT: 1900 LB

### REVISIONS

NO.	DESCRIPTION

SCFTRIPLEX  
ARCHITECTURAL FLUOROCARBON FILM

WINDLOAD ENGINEER: Mark Disosway, P.E. No. 53915, (26) 868, Lake City, FL 3206, 386-754-519

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disosway/P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R301.2.1, Florida building code residential/2004, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

MARK DISOSWAY  
P.E. 53915

WindTech  
Contacting Corp.  
2747 S.W. Main Blvd.  
Lake City, Florida  
386-365-1184

Matthews Addition

ADDRESS:  
Hollingsworth Estates  
Columbia Co, Florida

Mark Disosway P.E.  
P.O. Box 868  
Lake City, Florida 32056  
Phone: (386) 754 - 5419  
Fax: (386) 269 - 4871

PRINTED DATE:  
September 10, 2008

DRAWN BY: David Disosway

STRUCTURAL BY: David Disosway

FINALS DATE:  
Sept. 10, 2008

JOE NUMBER:  
808151

DRAWING NUMBER

S-1  
(OF 2 SHEETS)



REVISONS	



WINDLOAD ENGINEER: Mark Disoway,  
PE No. 53915, P.B. 868, Lake City, FL  
32056, 386-754-8113

DIMENSIONS:  
Stated dimension supercede scaled  
dimensions. Note all questions to  
Mark Disoway, IE, for resolution.  
Do not proceed without clarification.

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form or manner without first the express written  
permission and consent of Mark Disoway.

CERTIFICATION: I hereby certify that I have  
examined this plan, and that the applicable  
portions of the plan, relating to wind engineering  
comply with section R301.2.1, Florida building  
code residential 2004, to the best of my  
knowledge.

LIMITATION: This design is valid for one  
building, at specified location.

MARK DISOWAY  
P.E. 53915

*Mark Disoway*  
10/5/2008  
SEAL

WndTech  
Contracting Corp.  
2747 S.W. Main Blvd.  
Lake City, Florida  
386-365-1184

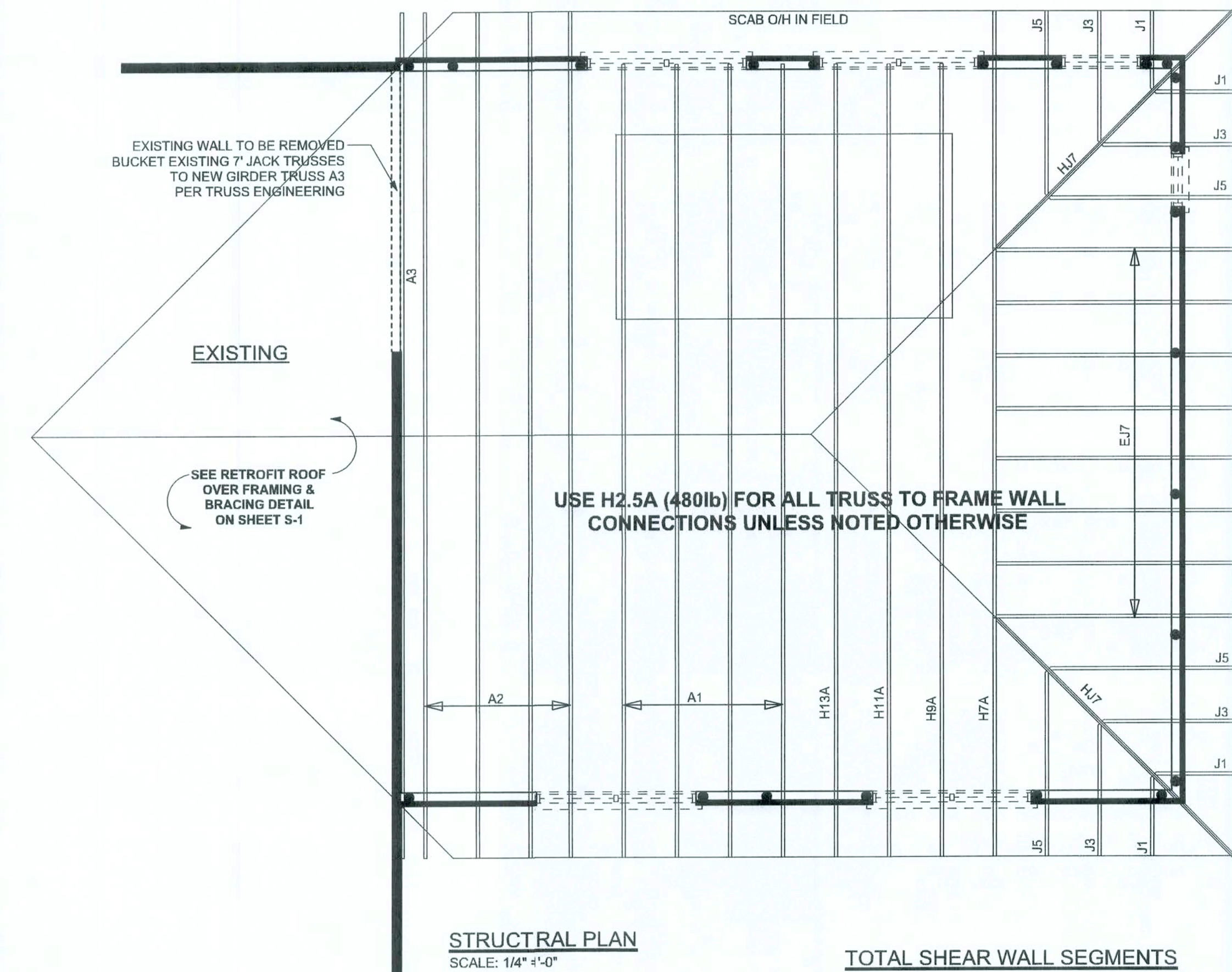
Matthews Addition

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PRINTED DATE:  
September 10, 2008  
DRAWN BY: STRUCTURAL BY:  
David Disoway

FINALS DATE:  
Sept. 10, 2008  
JOBNUMBER:  
308151  
DRAWING NUMBER  
S-2  
OF 2 SHEETS



#### TOTAL SHEAR WALL SEGMENTS

SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	18.8'	26.0'
LONGITUDINAL	12.3'	23.5'

#### STRUCTURAL PLAN NOTES

SN-1 ALL LOAD BEARING FRAME WALL #ORCH HEADERS  
SHALL BE A MINIMUM OF (2) 2X10 S#92 (U.N.O.)

SN-2 ALL LOAD BEARING FRAME WALL ADERS  
SHALL HAVE (1) JACK STUD & (1) KB STUD  
EACH SIDE (U.N.O.)

SN-3 DIMENSIONS ON STRUCTURAL SHETS  
ARE NOT EXACT. REFER TO ARCHITCTURAL  
FLOOR PLAN FOR ACTUAL DIMENSNS

SN-4 PERMANENT TRUSS BRACING IS TGE INSTALLED AT  
LOCATIONS AS SHOWN ON THE SEED TRUSS DRAWINGS.  
LATERAL BRACING IS TO BE RESTINED PER BCSH1-03,  
BCSH1-01, BCSH1-02, & BCSH1-03. BCSH1-02 & BCSH1-03  
ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED  
TRUSS PACKAGE

CONNECTIONS, WALL, & HEADER DESN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSENGINEERING  
FURNISHED BY BUILDER. ANDERSON TUSS JOB # 8-221

#### THREADED ROD LEGEND

- INDICATES LOCATION OF:  
1ST FLOOR 1/2" A307 ALL THREADED ROD
- INDICATES LOCATION OF:  
2ND FLOOR 1/2" A307 ALL THREADED ROD

#### HEADER LEGEND

- (2) 2X12X8', 1J 1K ———— HEADER/BEAM CALL-OUT (U.N.O.)
- NUMBER OF KING STUDS (FULL LENGTH)
- NUMBER OF JACK STUDS (UNDER HEADER)
- SPAN OF HEADER
- SIZE OF HEADER MATERIAL
- NUMBER OF PLIES IN HEADER

#### WALL LEGEND

	EXTERIOR WALL
	EXTERIOR NON-LOAD BEARING WALL
	EXTERIOR LOAD BEARING WALL w/ NO UPLIFT
	EXTERIOR LOAD BEARING WALL w/ UPLIFT

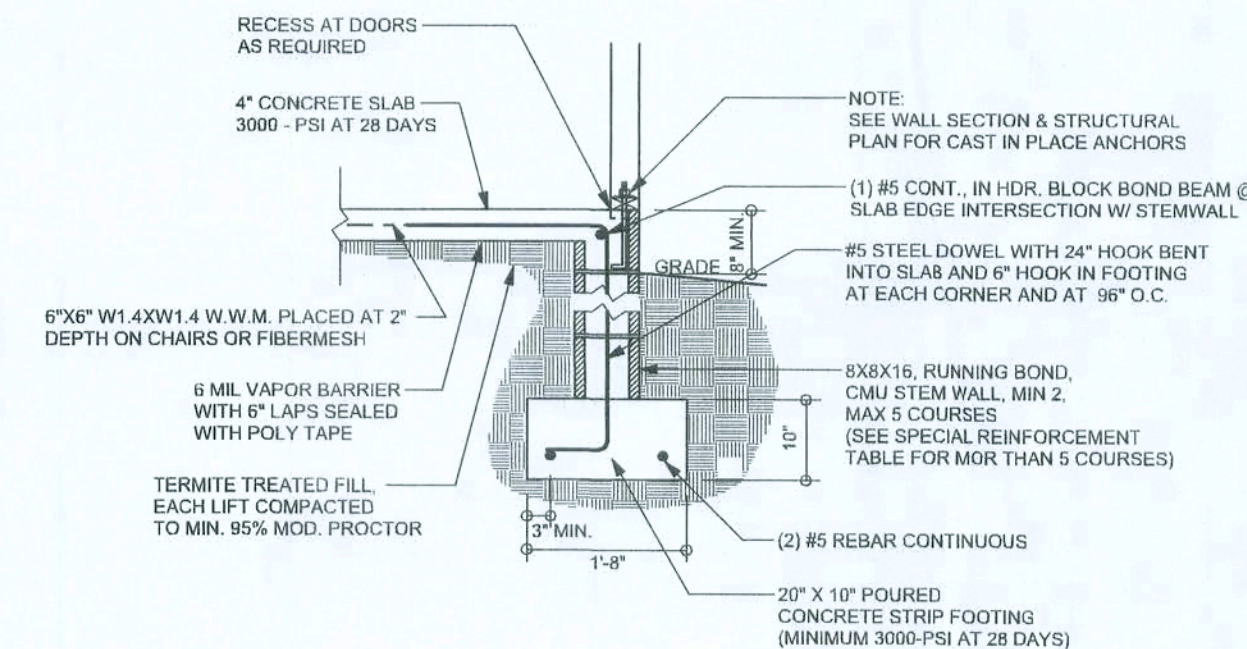
#### EXISTING FOUNDATION

4" CONCRETE FLOOR SLAB REINFORCED WITH  
6X6-1/4" 4 WELDED WIRE MESH PLACED ON CHAIRS  
AT 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL  
POLY VAPOR BARRIER WITH 6" LAPS SEALED WITH  
POLY TAPE OVER TERMITE-TREATED AND COMPACTED FILL

#### FOUNDATION PLAN

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

DIMENSIONS ON STRUCTURAL SHEETS  
ARE NOT EXACT. REFER TO ARCHITECTURAL  
FLOOR PLAN FOR ACTUAL DIMENSIONS



#### STEM WALL FOOTING

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

#### TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the  
reinforced slab at the top. The vertical steel is to be placed toward the tension side of the  
CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall  
is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond  
beam with 185 continuous at mid height. For higher parts of the wall 12" CMU may be used  
with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

