

REVISIONS	
20Jun09	
2Jul09	
13Jul09	
27Jul09	
12Jan09	



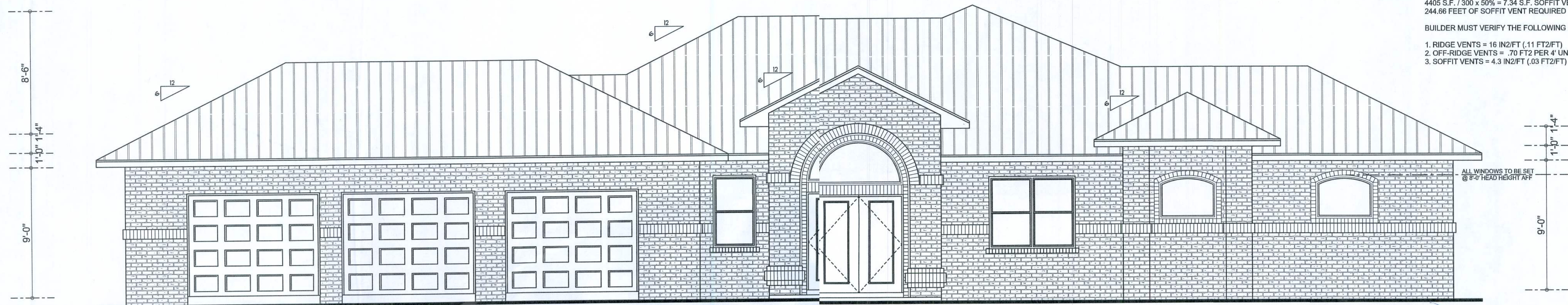
REQUIRED ROOF VENTILATION:
AS PER FLORIDA BUILDING CODE 2309.7

RIDGE VENT
MIN. 50% TOTAL VENT AREA
LOCATED IN THE UPPER PORTION OF ATTIC (MIN. 3" ABOVE EAVE)
4405 S.F. / 300 x 50% = 7.34 S.F. RIDGE VENT AREA REQUIRED
66.7 FEET OF RIDGE VENT REQUIRED

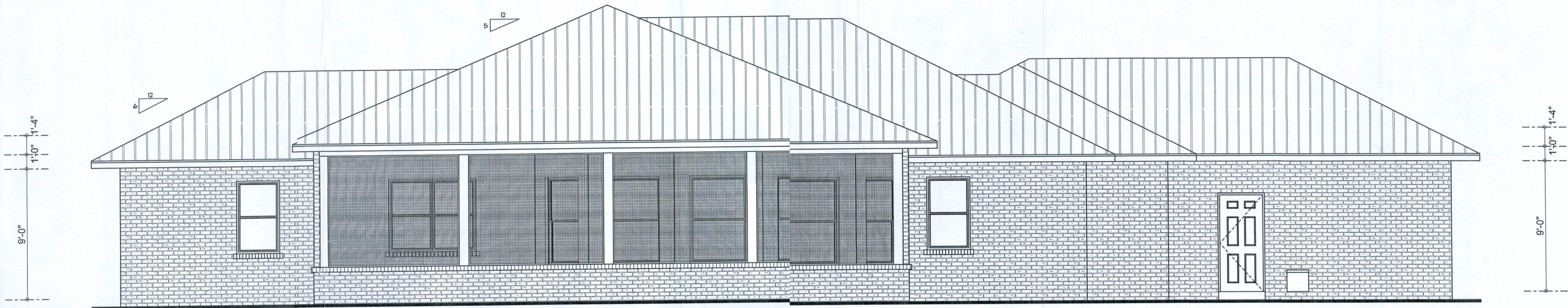
SOFFIT VENT
4405 S.F. / 300 x 50% = 7.34 S.F. SOFFIT VENT AREA REQUIRED
244.66 FEET OF SOFFIT VENT REQUIRED

BUILDER MUST VERIFY THE FOLLOWING MINIMUM NET FREE VENT AREAS:

1. RIDGE VENTS = 16 IN2/FT (.11 FT2/FT)
2. OFF-RIDGE VENTS = .70 FT2 PER 4' UNIT
3. SOFFIT VENTS = 4.3 IN2/FT (.03 FT2/FT)



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



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

WINDLOAD ENGINEER:
Mark Dissway, P.E.
No. 53915, P.O. Box 866, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Dissway, P.E. in 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 1301.2.1, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISSWAY
P.E. 53915
[Signature]
12Jun10
SAL



WatkinsResidence

ADDRESS:
Columbia County, Florida

Mark Dissway P.E.
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Lake City, Florida 32056
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Fax: (386) 269 - 4871

PRINTED DATE:
January 12, 2010

DRAWN BY: David Dissway
STRUCTURAL BY: David Dissway

FINALS DATE:
12Jan10

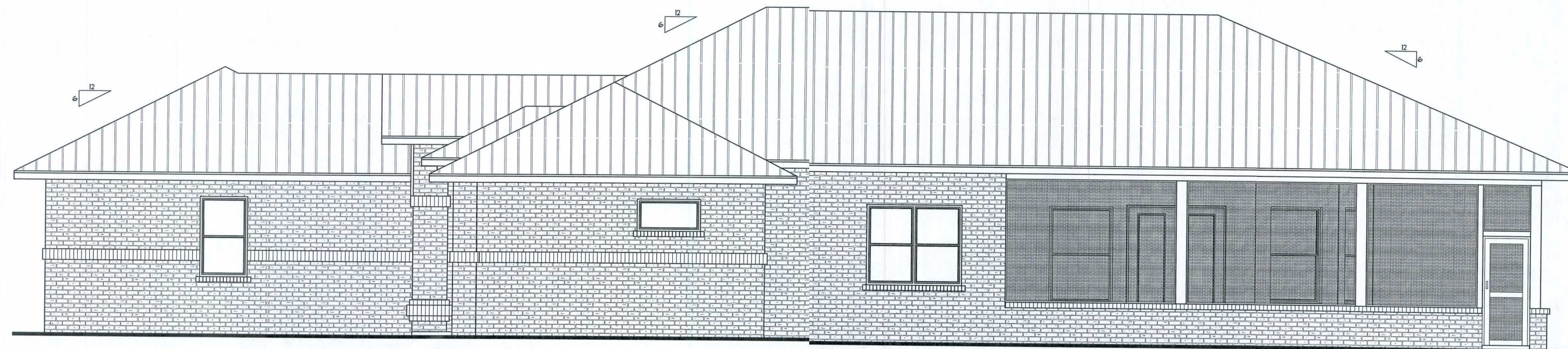
JOB NUMBER:
96294

DRAWING NUMBER

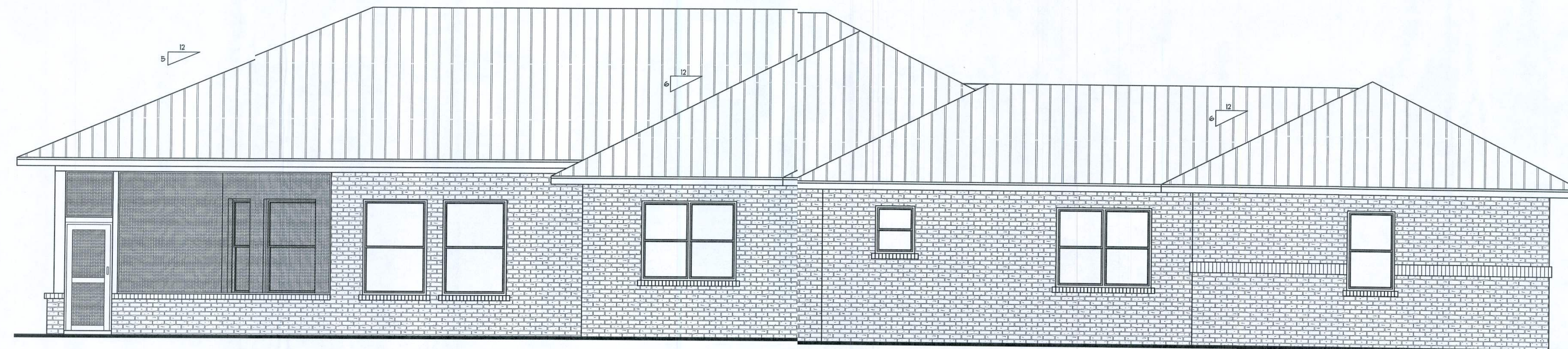
1

OF 7SHEETS

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20Jun09	
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27Jul09	
12Jan09	



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



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

WINDLOAD ENGINEER
Mark Discoway, PE
No. 53915, PCB 66, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Discoway, 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 F301.2.1, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISCOWAY
P.E. 53915
12/12/10
EAL

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PRINTED DATE:
January 12, 2010

DRAWN BY: David Discoway
STRUCTURAL BY: David Discoway

FINALS DATE:
12Jan10

JOB NUMBER:
905294

DRAWING NUMBER
2
OF 7 SHEETS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Disosway, P.E.
No.53915, POB 88, Lake City, FL 32056,
386-754-5419

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Mark Disoway, P.E. hereby certifies:

CERTIFICATION: hereby certify that I have examined this plan and the exhibits thereto.

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

11/11/11

100

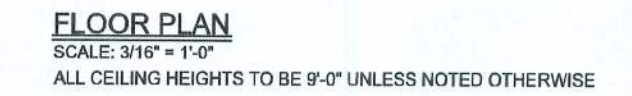
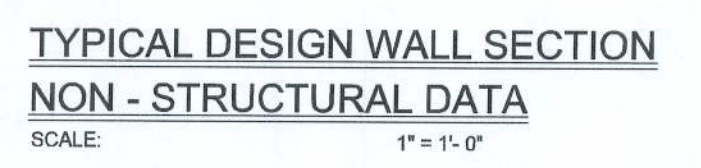
Watkins Residence

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Lake City, Florida 32056
Phone: (316) 754 - 5419

January 12, 2010	
DRAWN BY: David Disenway	STRUCTURAL BY: David Disenway

FINALS DATE: 12Jan10	
-------------------------	--

DRAWING NUMBER
3

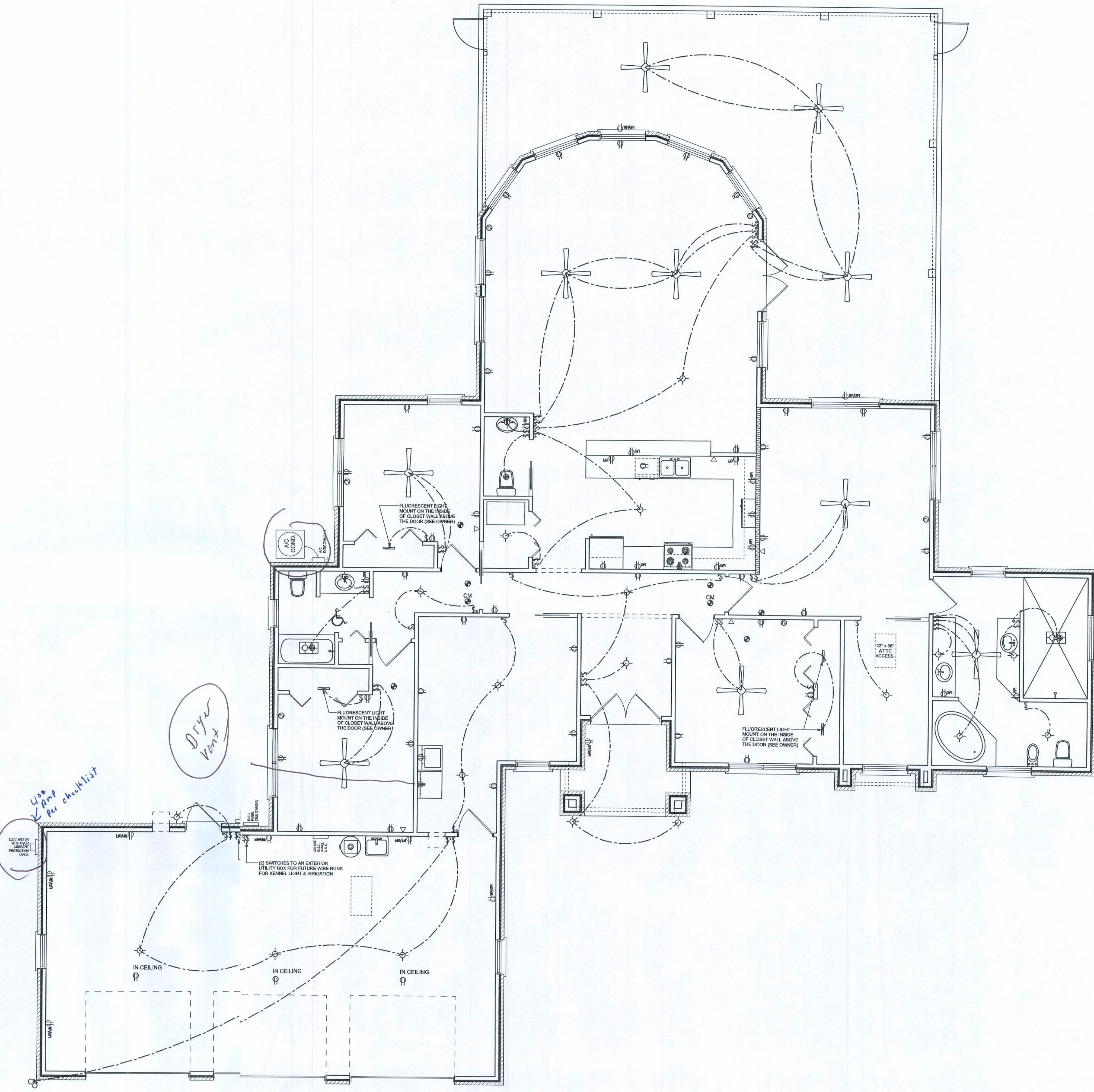
AREA SUMMARY		
LIVING AREA	2630	S. F.
GARAGE AREA	853	S. F.
ENTRY AREA	75	S. F.
SCREENEDPORCH AREA	847	S. F.
TOTAL AREA	4405	S. F.

ELECTRICAL PLAN NOTES

- E-1 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- E-2 CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- E-3 ALL INSTALLATIONS SHALL BE PER NAT'L. 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 OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- E-6 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN & SIZING OF ELECTRICAL SERVICE AND CIRCUITS.
- E-7 ENTRY OF SERVICE (UNDERGROUND OR OVERHEAD) TO BE DETERMINED BY POWER COMPANY.
- E-8 ALL 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE BRCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FALY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, INS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED 30-FAULT CIRCUIT INTERRUPTER, COMBINATION-TYPE INSTALLED TO PRODE PROTECTION OF THE BRANCH CIRCUIT.
- E-9 ALL OUTLETS TO BE LOCATED ABOVE BASE FLOOD ELEVATION
- E-10 A SERVICE DISCONNECT WITH OVER CURRENT PROTECTION SHALL BE INSTALLED OUTSIDE OF THE BUILDING, ON THE LOAD SIDE OF THE METER, AT THE PLACE ELECTRIC CONDUCTORS ENTER THE BUILDING. SERVICE ENTRANCE CONDUCTORS MAY NOT BE LOCATED INSIDE OF THE OF THE BUILDING WITHOUT SPECIAL APPROVAL OF THE BUILDING OFFICIAL.
- E-11 CARBON MONOXIDE ALARMS SHALL BE REQUIRED WITHIN 10' OF ALL ROOMS FOR SLEEPING PURPOSES IN BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR ATTACHED GARAGE.

E-12 Grounding Electrode Conductor Attached to 20' min Footer Steel

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
	CARBON MONOXIDE ALARM



ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

REVISIONS	
20Jun09	
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27Jul09	
12Jan09	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER
Mark Disoway, P.E.
No. 53915, P.O. Box 868, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without verification.

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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 R501.2.1, Florida building code residential 2007, to the best of my knowledge.

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

MARK DISOWAY
P.E. 5315

SEA

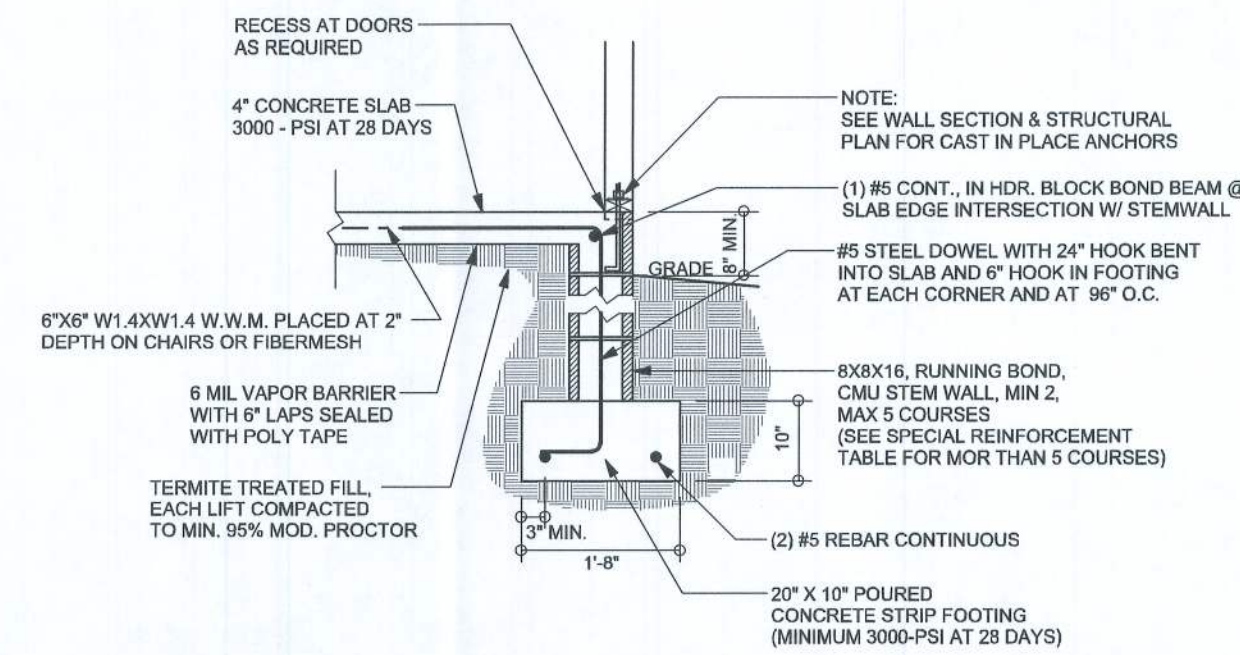
Watkins Residence

ADDRESS:
Columbia County, Florida

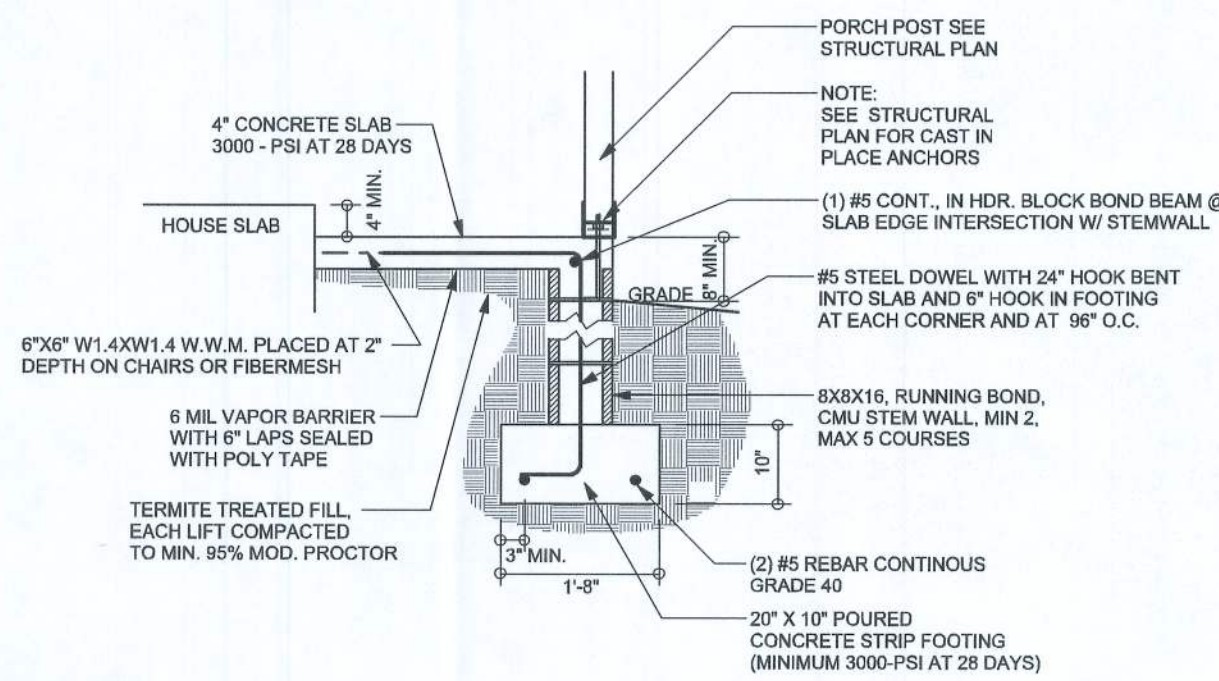
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PRINTED DATE: January 12 2010	STRUCTURAL BY: David Disoway
DRAWN BY: David Disoway	

FINALS DATE: 12Jan10	JOB NUMBER: 905234
	DRAWING NUMBER 4
	OF 7 SHEETS



F9
S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"

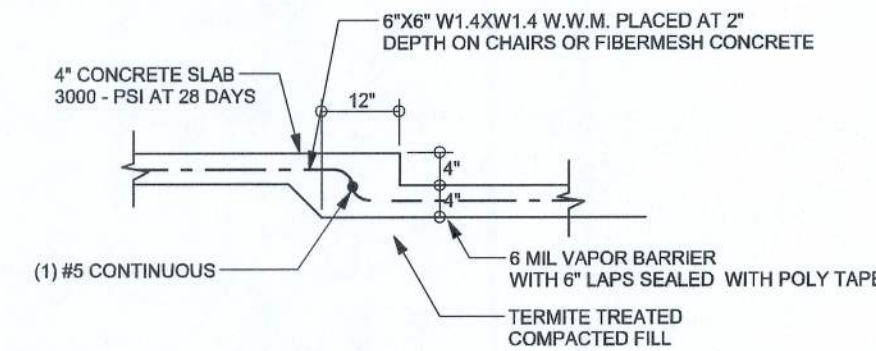


F12
S-2 STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"

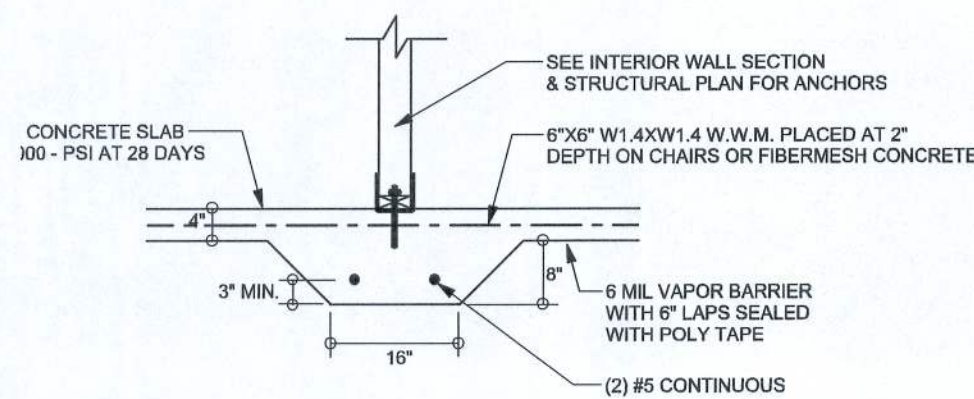
TALL STEM WALL TABLE

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 Duowall ladder reinforcement at 16" O.C. vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

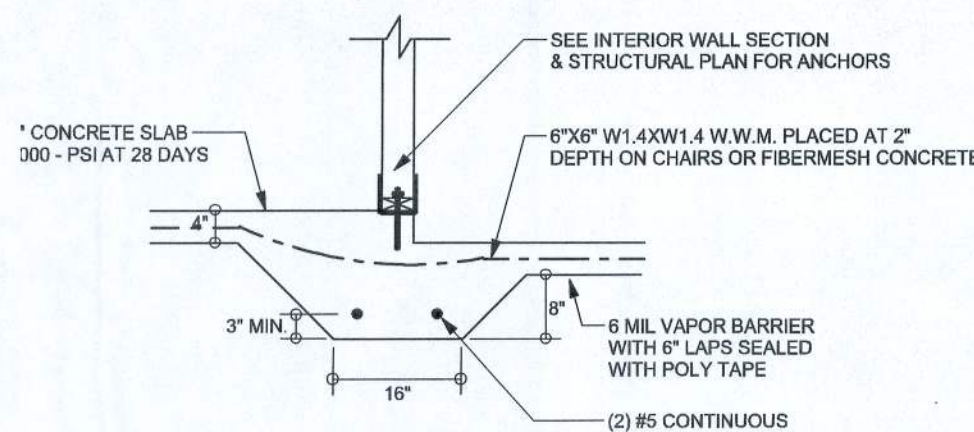
STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	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



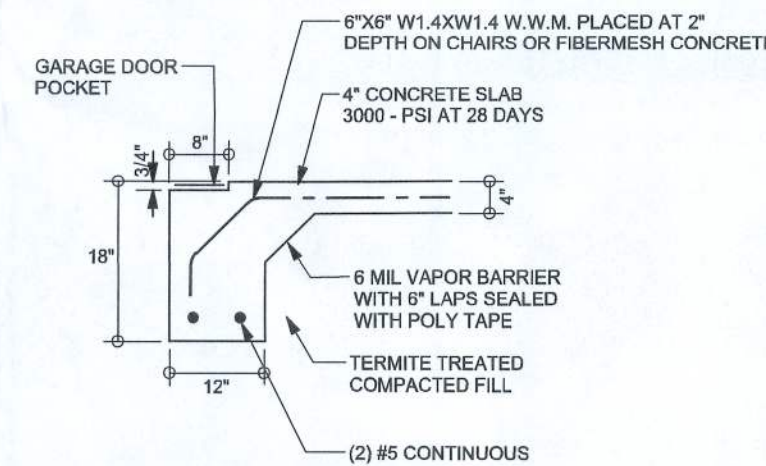
F6
S-2 TYPICAL NON-BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



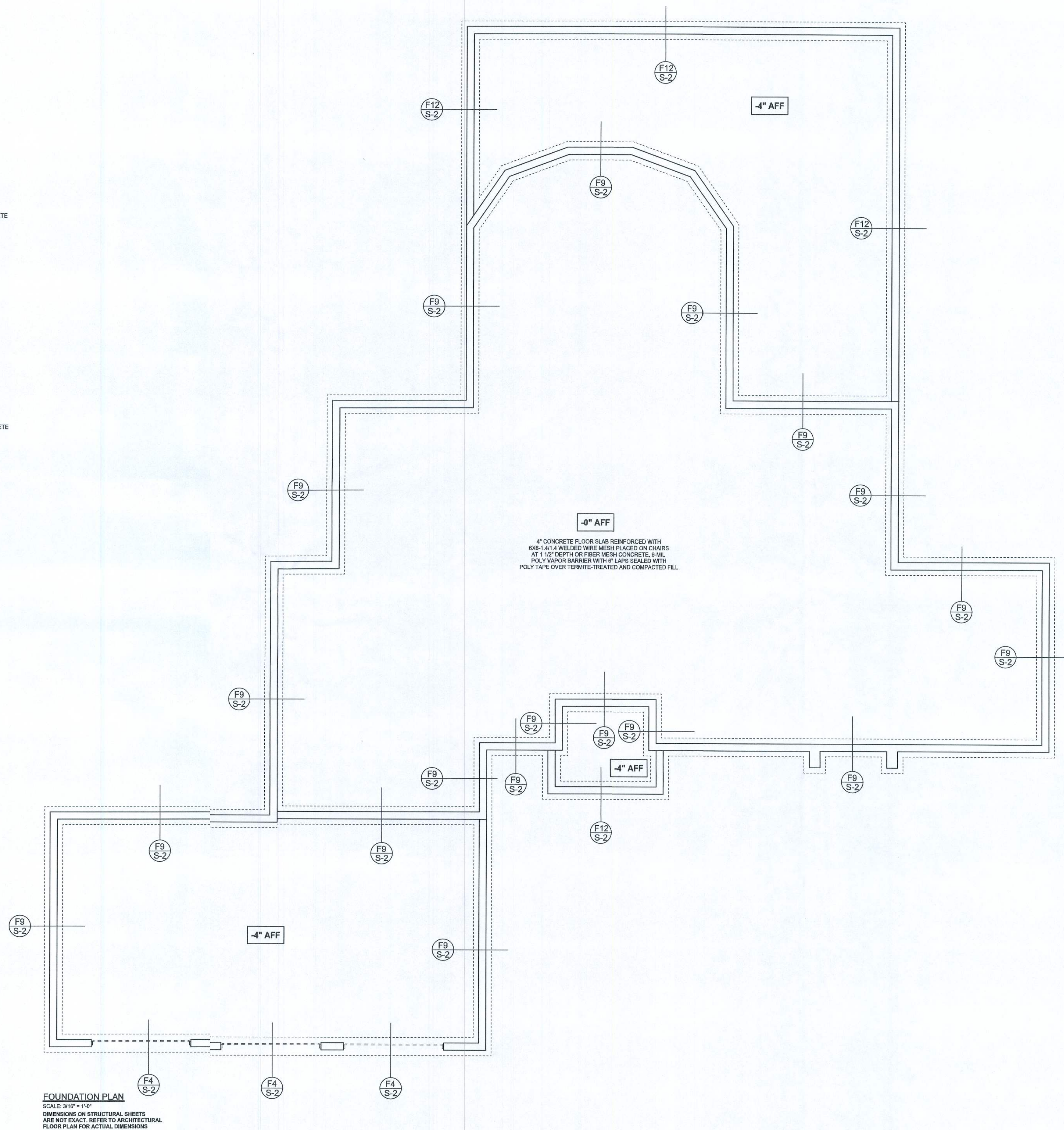
F2
S-2 INTERIOR BEARING FOOTING
SCALE: 1/2" = 1'-0"



F3
S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



F4
S-2 GARAGE DOOR FOOTING
SCALE: 1/2" = 1'-0"



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"
DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS

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SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

WINDLOAD ENGINEER:
Mark Discoway, P.E.
No. 53915, PCB 866 Lake City, FL 32056,
389-754-5419

DIMENSIONS:
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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 2007, to the best of my knowledge.

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

MARK DISCOWAY
P.E. 53915

[Signature]
EAL

Watkins Residence

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

PRINTED DATE:
January 12, 2010

DRAWN BY: David Discoway
STRUCTURAL BY: David Discoway

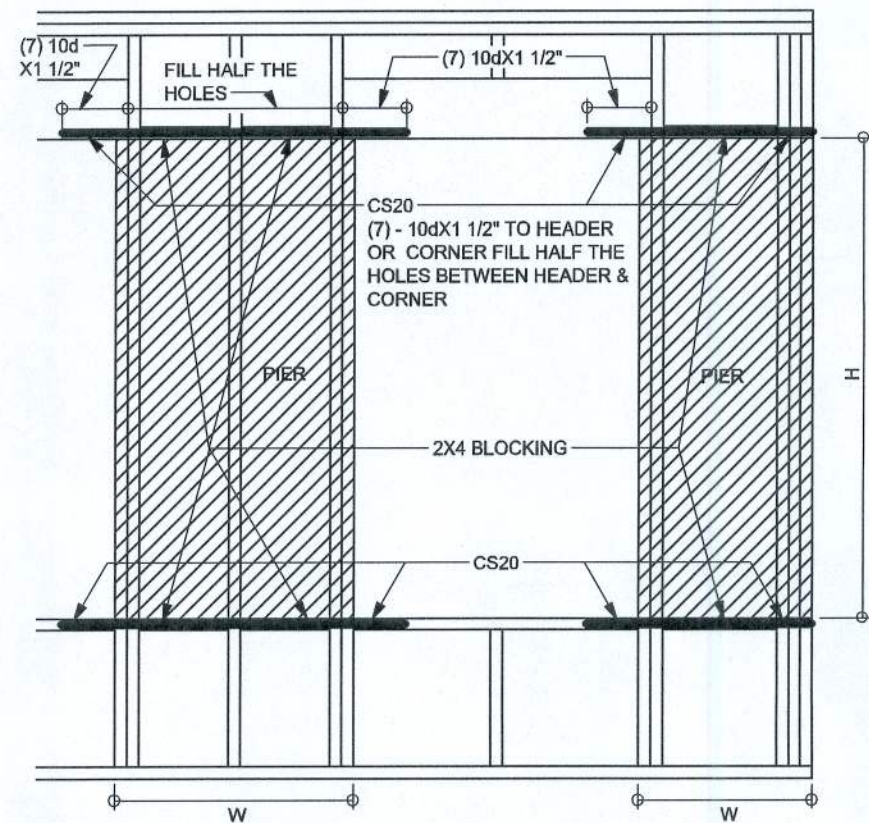
FINALS DATE:
12Jan10

JOB NUMBER:
905294

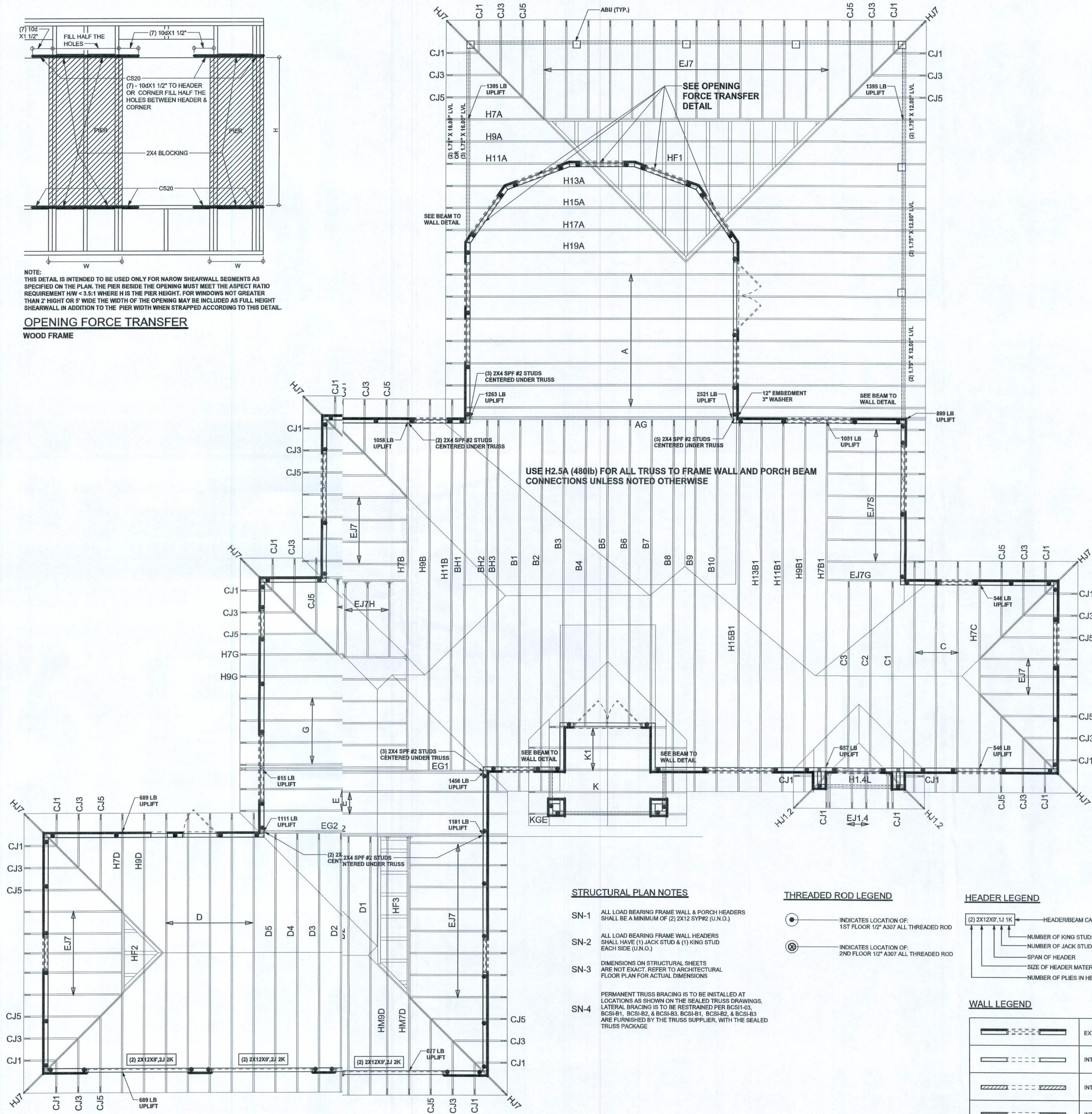
DRAWING NUMBER

S-2

OF 73 SHEETS



OPENING FORCE TRANSFER
WOOD FRAME



STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SYP92 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-4 PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BC51-43, BC51-41, BC51-42, & BC51-43, BC51-41, BC51-42, & BC51-43 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

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

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

TOTAL SHEAR WALL SEGMENTS

	REQUIRED	ACTUAL
TRANSVERSE	77.9'	107.0'
LONGITUDINAL	66.4'	80.5'

CONNECTIONS, WALL & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER, ANDERSON TRUSS JOB # 9-244

REVISIONS
20Jun09
2Jul09
13Jul09
27Jul09
12Jan09



WINDLOAD ENGINEER:
Mark Discway, P.E.
No. 63015, PCB 666, Lake City, FL 32056, 386-754-5419

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

MARK DISWAY
P.E. 63015
[Signature]
S.E.L.

Watkins Residence

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PRINTED DATE:
January 2, 2010

DRAWN BY: David Discway
STRUCTURAL BY: David Discway

FINALS DATE:
12Jan10

JOB NUMBER:
90294

DRAWING NUMBER
S3
OF 7 SHEETS