

Office copy



NEW SINGLE FAMILY DWELLING FOR:
THE WILMOTH RESIDENCE

BRIAN S. CRAWFORD
ARCHITECTURAL DESIGN
209 W US HWY 90 SUITE 170-144
LAKE CITY, FL 32055
(386) 755-8881

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

SHEET NUMBER

A-1

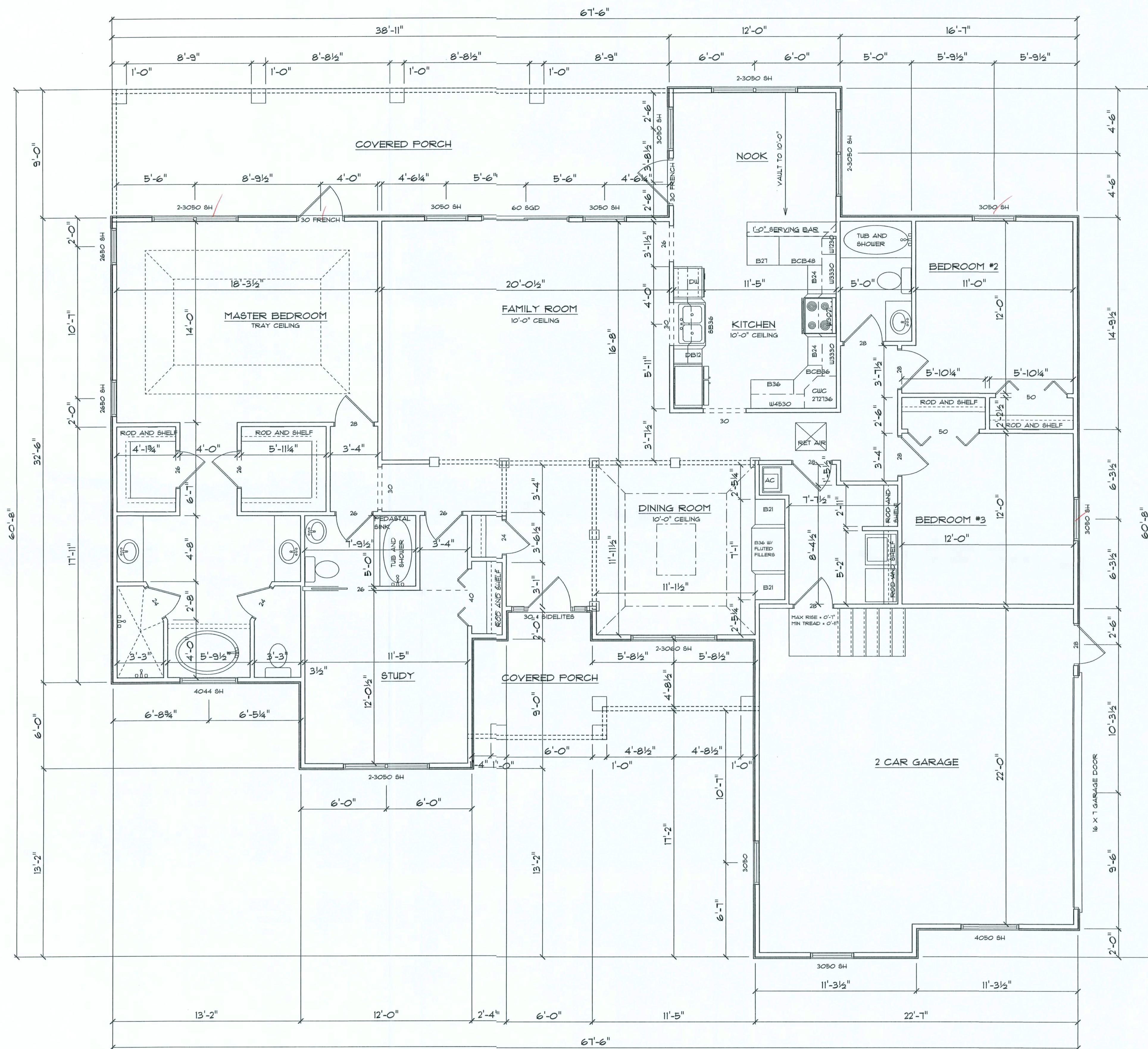
OF 4 SHEETS

AR0007005



AREA SUMMARY

| | |
|---------------|-----------|
| LIVING AREA - | 2180.5 SF |
| GARAGE - | 532.6 SF |
| PORCHES - | 479.7 SF |
| TOTAL AREA - | 3192.8 SF |



| AREA SUMMARY | |
|---------------|-----------|
| LIVING AREA - | 2180.5 SF |
| GARAGE - | 532.6 SF |
| PORCHES - | 479.7 SF |
| TOTAL AREA - | 3192.8 SF |

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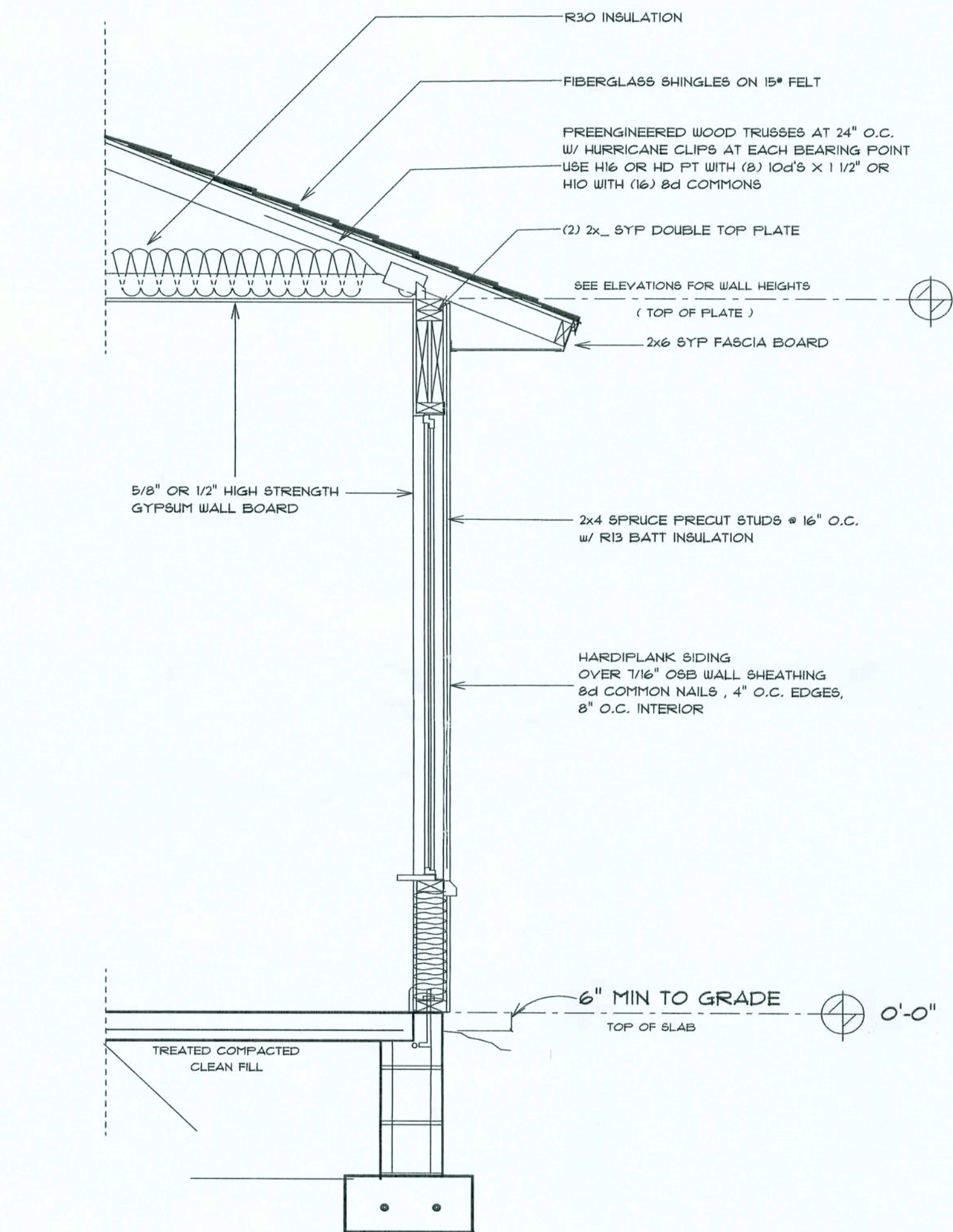
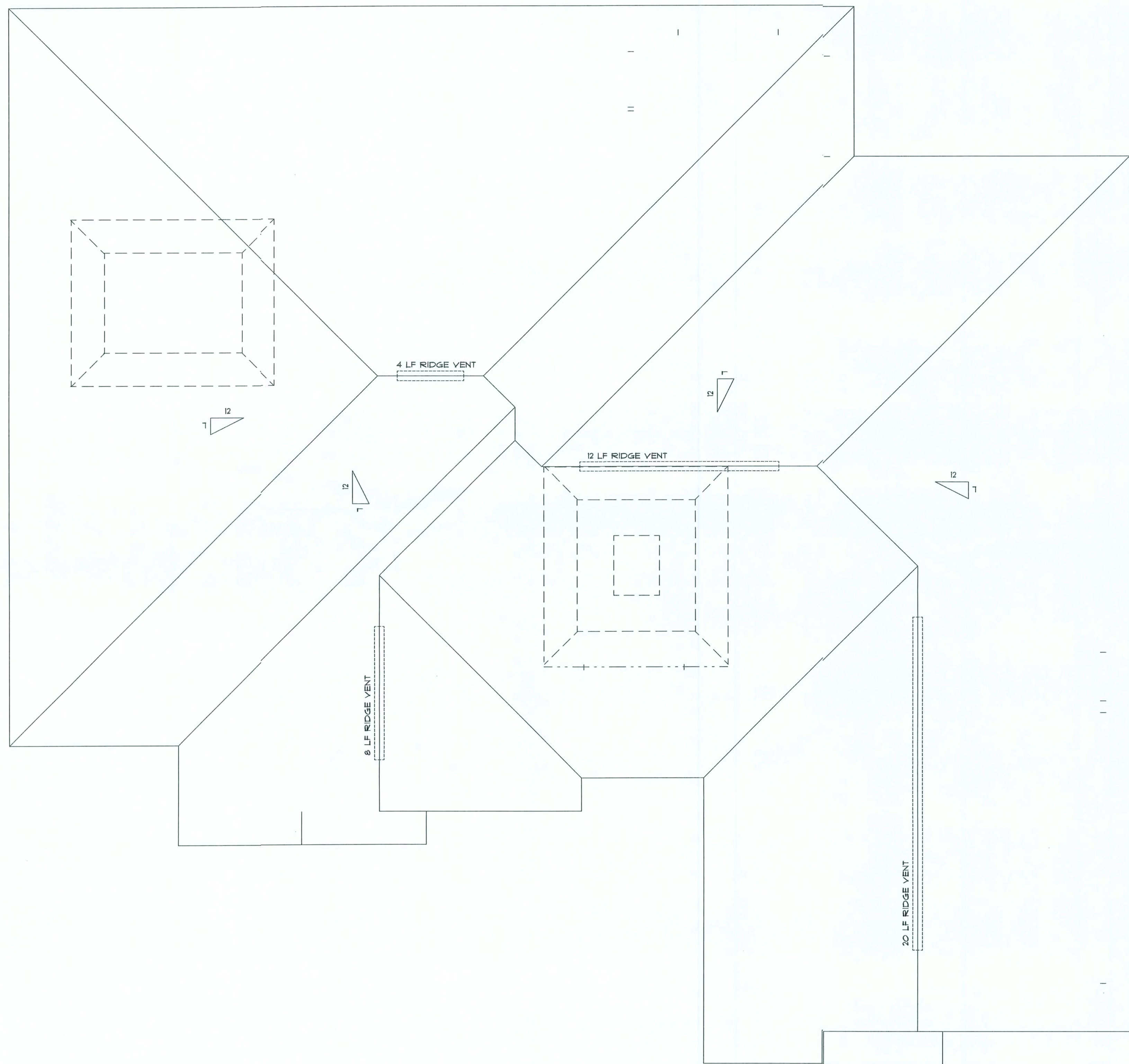
BRIAN S. DRAWFORD
ARCHITECTURAL DESIGN
2108 W. U.S. HWY 90 SUITE 110-144
LAKE CITY, FL 32085
(386) 755-9951

MAIN FLOOR PLAN
SCALE: 1/4"=1'-0"

SHEET NUMBER

A-2
OF 4 SHEETS

AR0007005



TYPICAL WALL SECTION
2 X 4 STUD WALL W/ SIDING

| AREA SUMMARY | |
|---------------|-----------|
| LIVING AREA - | 2180.5 SF |
| GARAGE - | 532.6 SF |
| PORCHES - | 479.1 SF |
| TOTAL AREA - | 3192.2 SF |

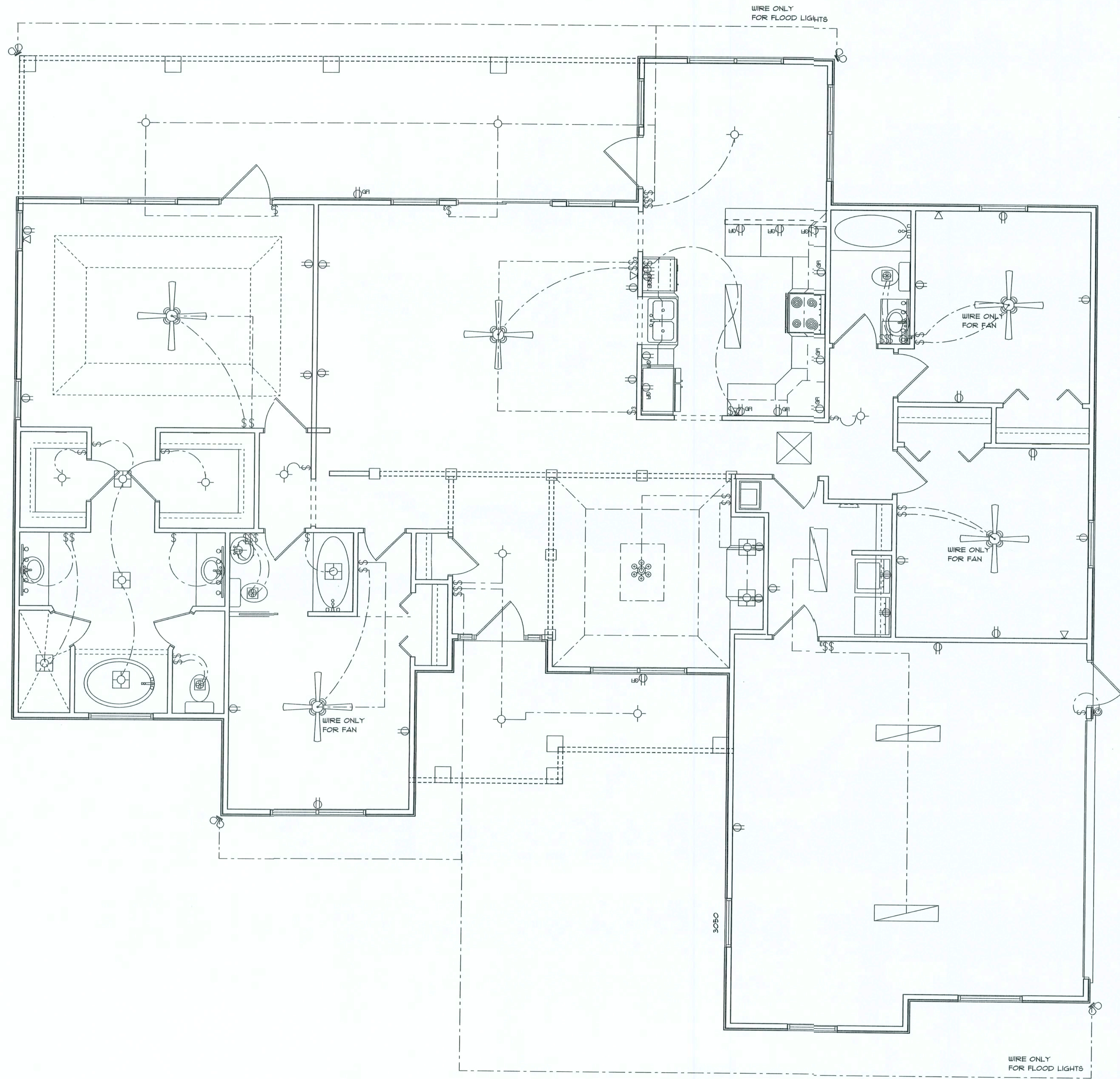
NEW SINGLE FAMILY DWELLING FOR:
THE WILMOTH RESIDENCE

BRIAN S. CRAWFORD
ARCHITECTURAL DESIGN
2109 W. U.S. HWY. 90 SUITE 170-144
LAKESIDE, CO 80228
(303) 755-6661

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

SHEET NUMBER
A-3
OF 4 SHEETS

AR0007005



| ELECTRICAL | COUNT | SYMBOL |
|--------------------------|-------|--------|
| ceiling fan spotlights 2 | 5 | |
| can light | 9 | |
| chandelier | 1 | |
| double spotlight | 4 | |
| fluorescent fixture | 6 | |
| vanity bar light | 1 | |
| wall mount l | 1 | |
| electrical panel | 1 | |
| fan with light | 3 | |
| light | 8 | |
| outlet | 24 | |
| outlet 220v | 2 | |
| outlet gfi | 19 | |
| switch | 36 | |
| switch 3 way | 8 | |
| telephone | 5 | |

ELECTRICAL PLAN NOTES

ALL RECEPTALS IN ALL BEDROOMS SHALL BE AFCI CIRCUITS

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

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.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N^o., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

| AREA SUMMARY | |
|---------------|-----------|
| LIVING AREA - | 2180.5 SF |
| GARAGE - | 532.6 SF |
| PORCHES - | 479.7 SF |
| TOTAL AREA - | 3192.8 SF |

NEW SINGLE FAMILY DWELLING FOR:
THE WILMOTH RESIDENCE

BRIAN S. CRAWFORD
ARCHITECTURAL DESIGN
2109 W. U.S. HWY 80 SUITE 110-144
LAKE CITY, FL 32025
(386) 715-8881

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

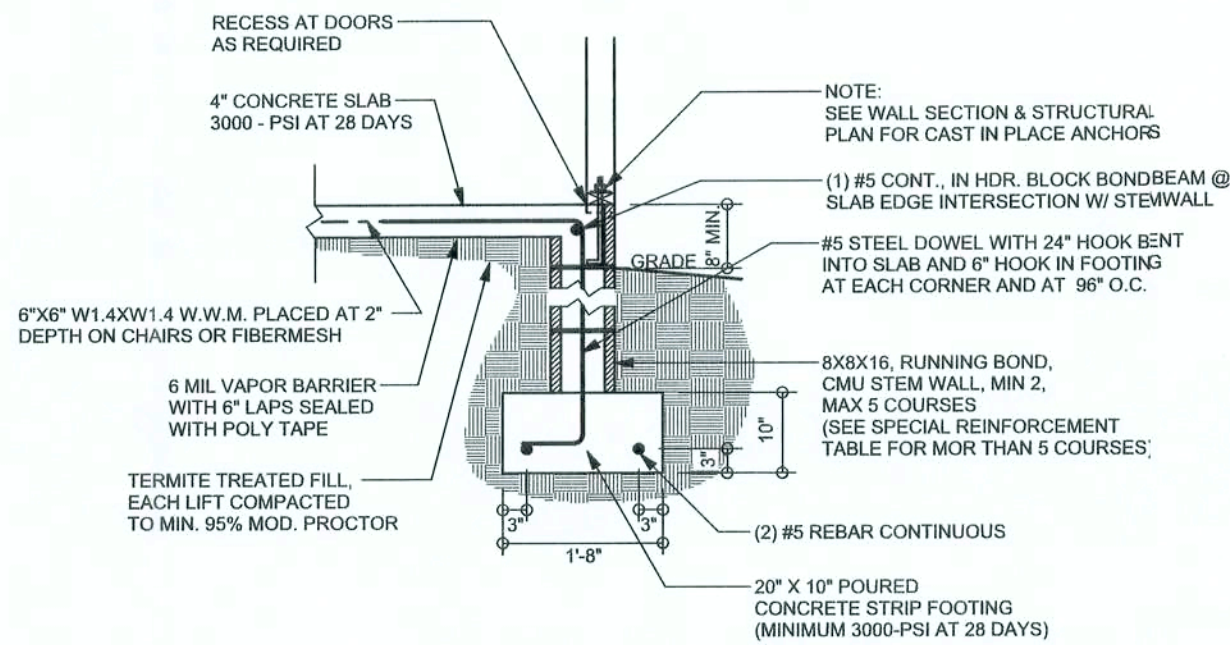
SHEET NUMBER

A-4
OF 4 SHEETS

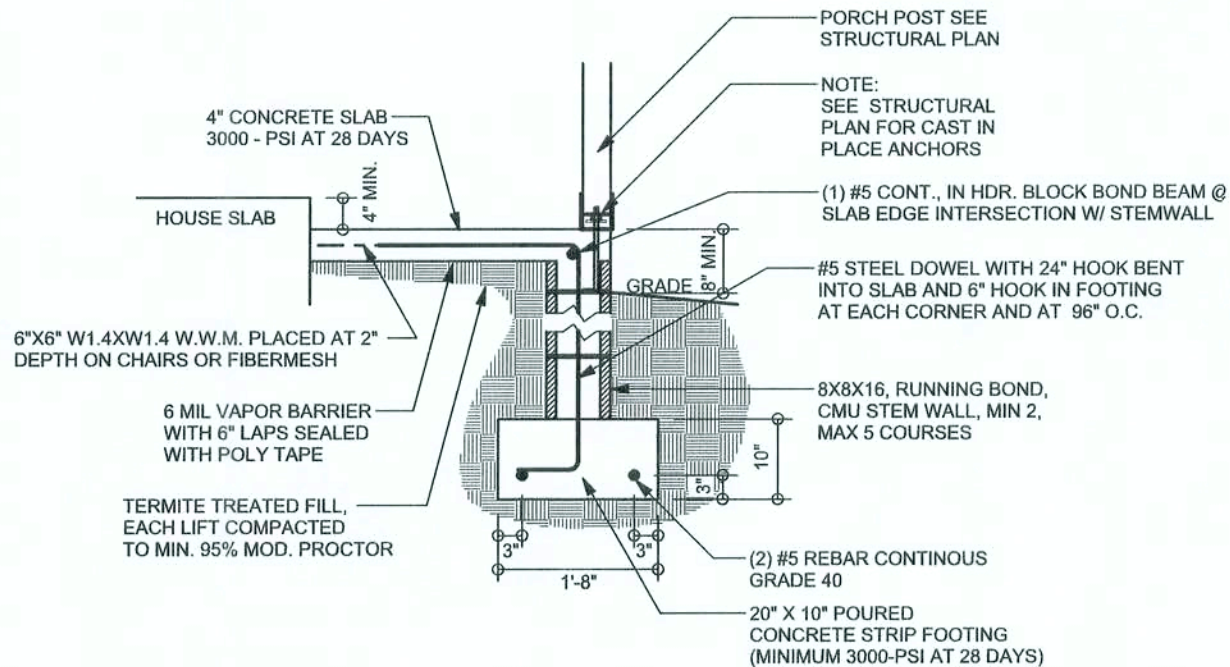
AR0007005

| REVISIONS | |
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| | |

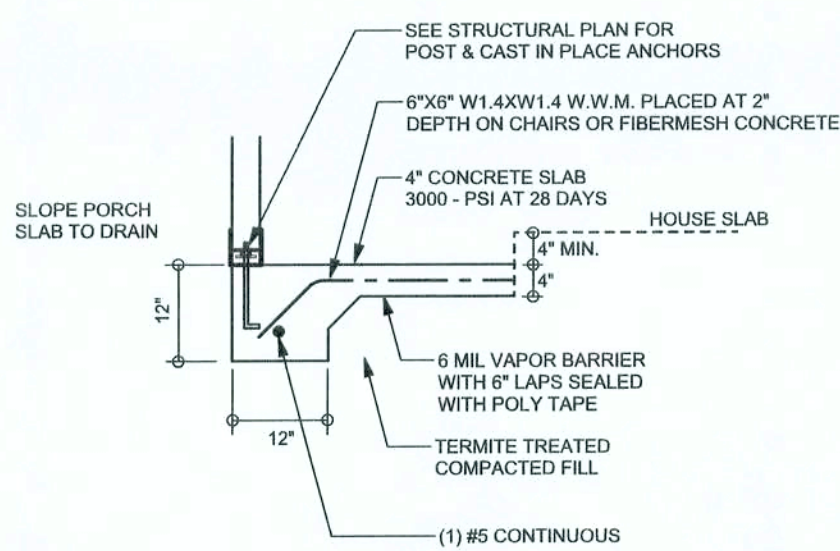
SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



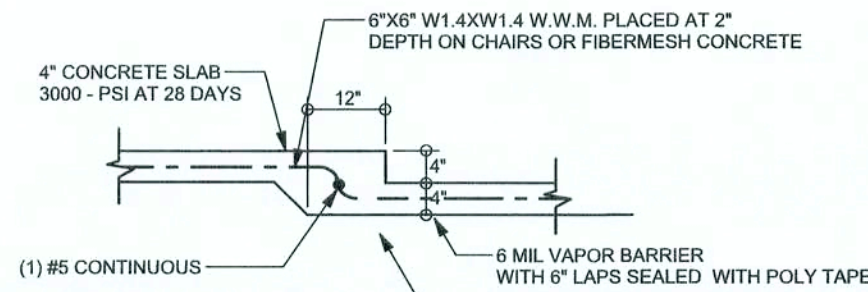
F9 S-2 STEM WALL FOOTING
SCALE: 1/2" = 1'-0"



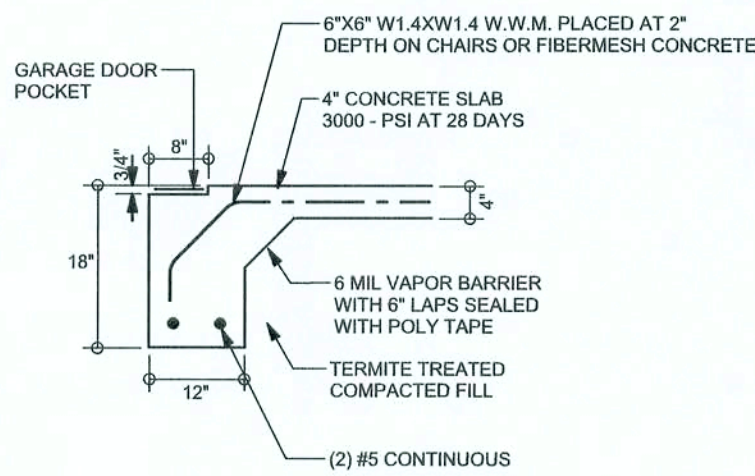
F12 S-2 ALT. STEM WALL PORCH FOOTING
SCALE: 1/2" = 1'-0"



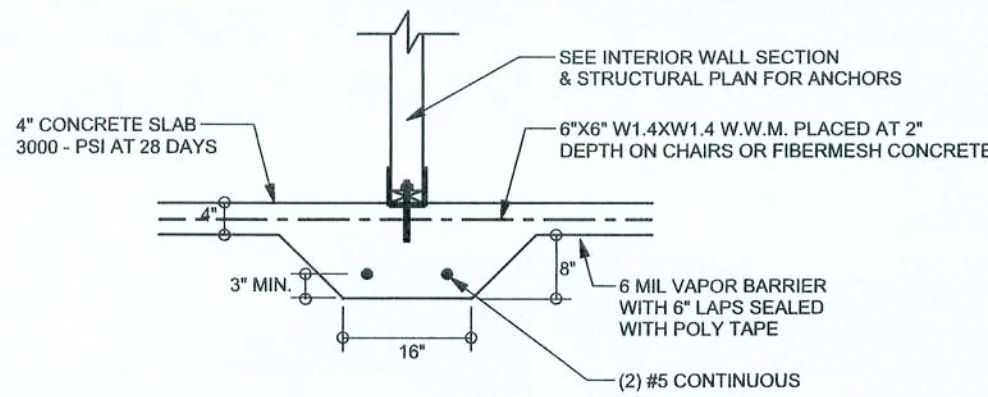
F5 S-2 PORCH FOOTING
SCALE: 1/2" = 1'-0"



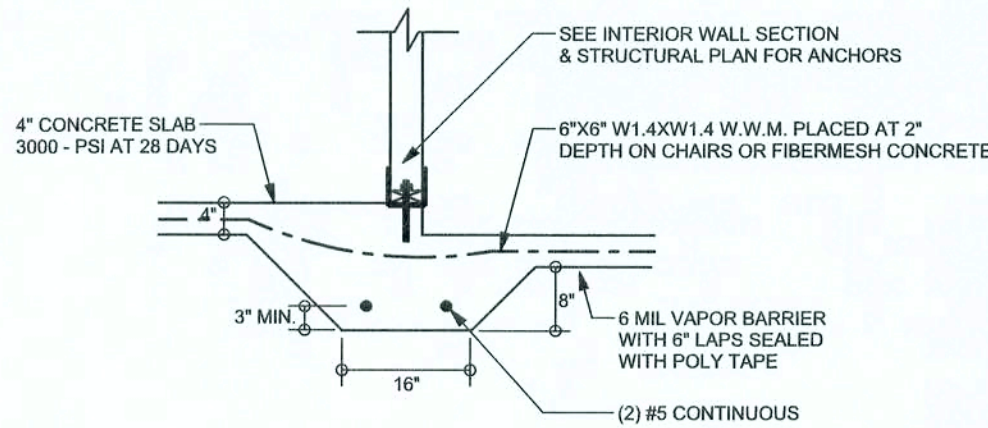
F6 S-2 TYPICAL NON-BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"



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



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

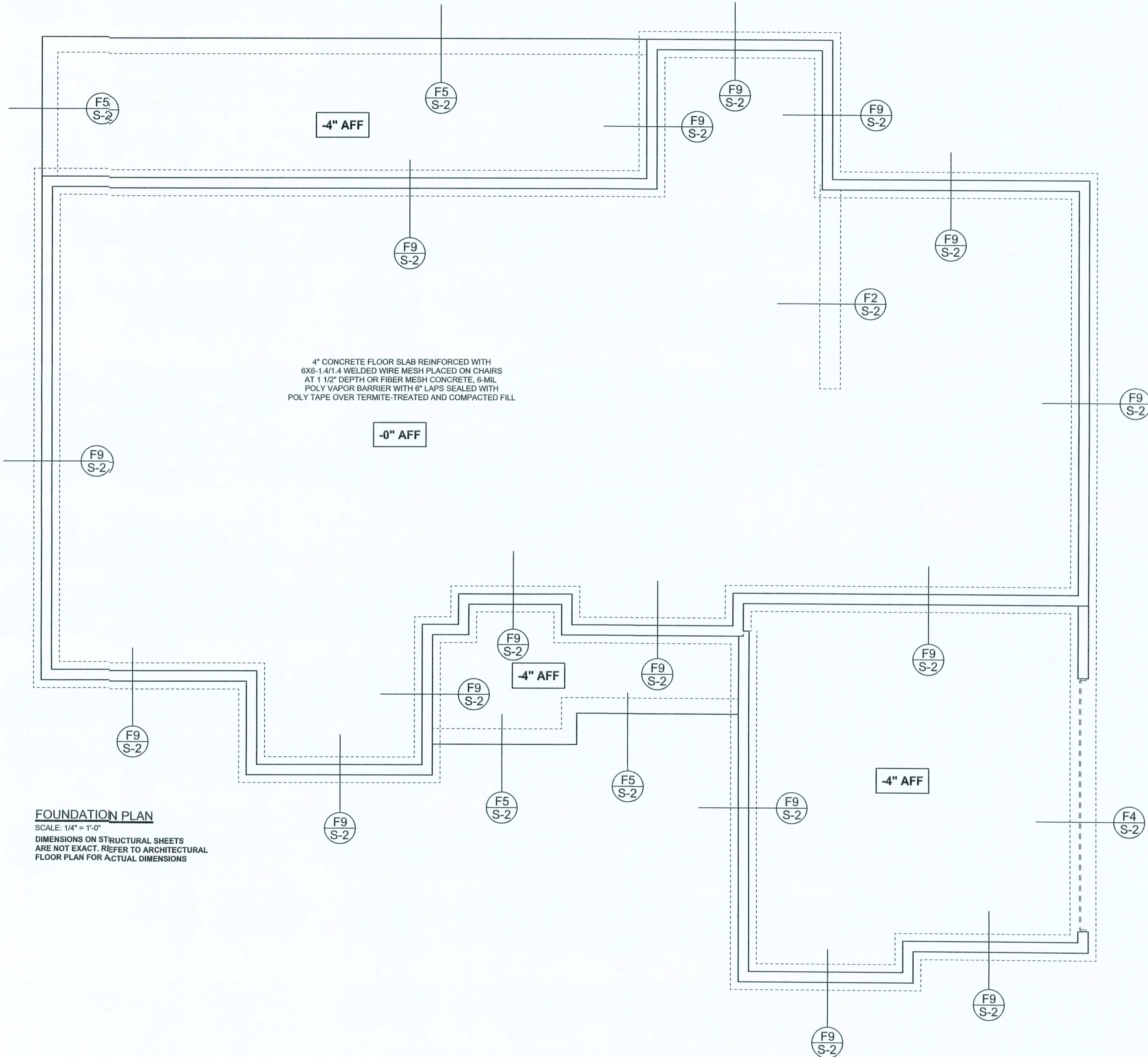


F3 S-2 INTERIOR BEARING STEP FOOTING
SCALE: 1/2" = 1'-0"

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 6' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 16S 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 |



FOUNDATION PLAN

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

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

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 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 R501.2.1, 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
SEAL

Stanley Crawford
Construction

Larry Wilmoth
Residence

ADDRESS:
Columbia County, Florida

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

PRINTED DATE:
January 08, 2007

DRAWN BY: David Disoway
CHECKED BY:

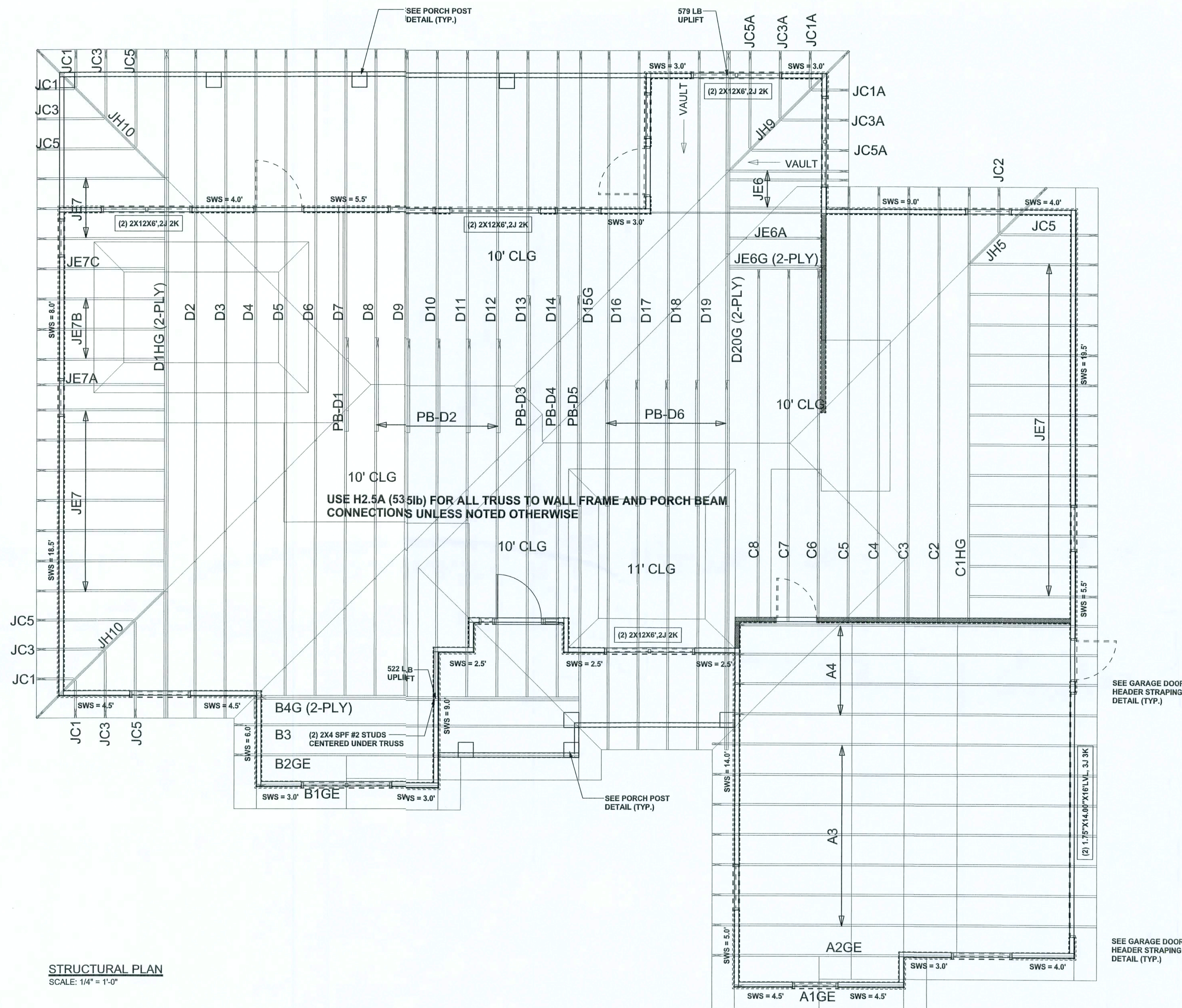
FINALS DATE:
08 / Jan / 07

JOB NUMBER:
701081

DRAWING NUMBER
S-2
OF 3 SHEETS

| REVISIONS | |
|-----------|--|
| | |
| | |
| | |

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



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

STRUCTURAL PLAN NOTES

- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SYP #2 (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 BCSI-1-03, BCSI-81, BCSI-82, & BCSI-83. BCSI-81, BCSI-82, & BCSI-83 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

WALL LEGEND

| | |
|------------|--|
| SWS = 0.0" | 1ST FLOOR EXTERIOR WALL WITH 7/16" O.S.B. WALL SHEATHING FULLY BLOCKED 8d COMMON NAILS 6" O.C. EDGE, 12" O.C. FIELD (U.N.O.) |
| SWS = 0.0" | 2ND FLOOR EXTERIOR WALL WITH 7/16" O.S.B. WALL SHEATHING FULLY BLOCKED 8d COMMON NAILS 6" O.C. EDGE, 12" O.C. FIELD (U.N.O.) |
| IBW | 1ST FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1 |
| IBW | 2ND FLOOR INTERIOR BEARING WALLS SEE DETAILS ON SHEET S-1 |

HEADER LEGEND

| | |
|--------------------|-------------------------------------|
| (2) 2X10X0', 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 |

TOTAL SHEAR WALL SEGMENTS

| | | |
|--|----------|--------|
| SWS = 0.0" INDICATES SHEAR WALL SEGMENTS | REQUIRED | ACTUAL |
| TRANSVERSE | 36.5' | 85.5' |
| LONGITUDINAL | 31.2' | 70.0' |

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. W.B. HOWLAND TRUSS JOB #3499

WINDLOAD ENGINEER: Mark Disoway, P.E. No. 53915, FOS 860, Lake City, FL 32096, 386-754-5419

DIMENSIONS: Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, 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 DISOWAY
P.E. 53915
Mark Disoway
08/08/07
SEAL

Stanley Crawford
Construction

Larry Wilmoth
Residence

ADDRESS:
Columbia County, Florida

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PRINTED DATE:
January 08, 2007

DRAWN BY: David Disoway

CHECKED BY:

FINALS DATE:
08 / Jan / 07

JOB NUMBER:
701081

DRAWING NUMBER
S-3

OF 3 SHEETS