

REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE



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

**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)  
3047 S.F. / 300 x 50% = 5.07 S.F. RIDGE VENT AREA REQUIRED  
46.1 FEET OF RIDGE VENT REQUIRED

SOFFIT VENT  
3047 S.F. / 300 x 50% = 5.07 S.F. SOFFIT VENT AREA REQUIRED  
169 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)



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

WINDLOAD ENGINEER: Mark Disosway,  
PE No. 53915, POB 868, Lake City, FL  
32056, 386-754-5419

**DIMENSIONS:**  
Shaded 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 FC07.2.1, 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

*Mark Disosway*  
11 OCT 07  
SEAL

Willis Residence

ADDRESS:  
Lot 79 Emerald Cove S/D  
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Fax: (386) 269 - 4871

PRINTED DATE:  
September 28, 2007

DRAWN BY: David Disosway  
CHECKED BY:

FINALS DATE:  
Sept. 26, 2007

JOB NUMBER:  
706276

DRAWING NUMBER

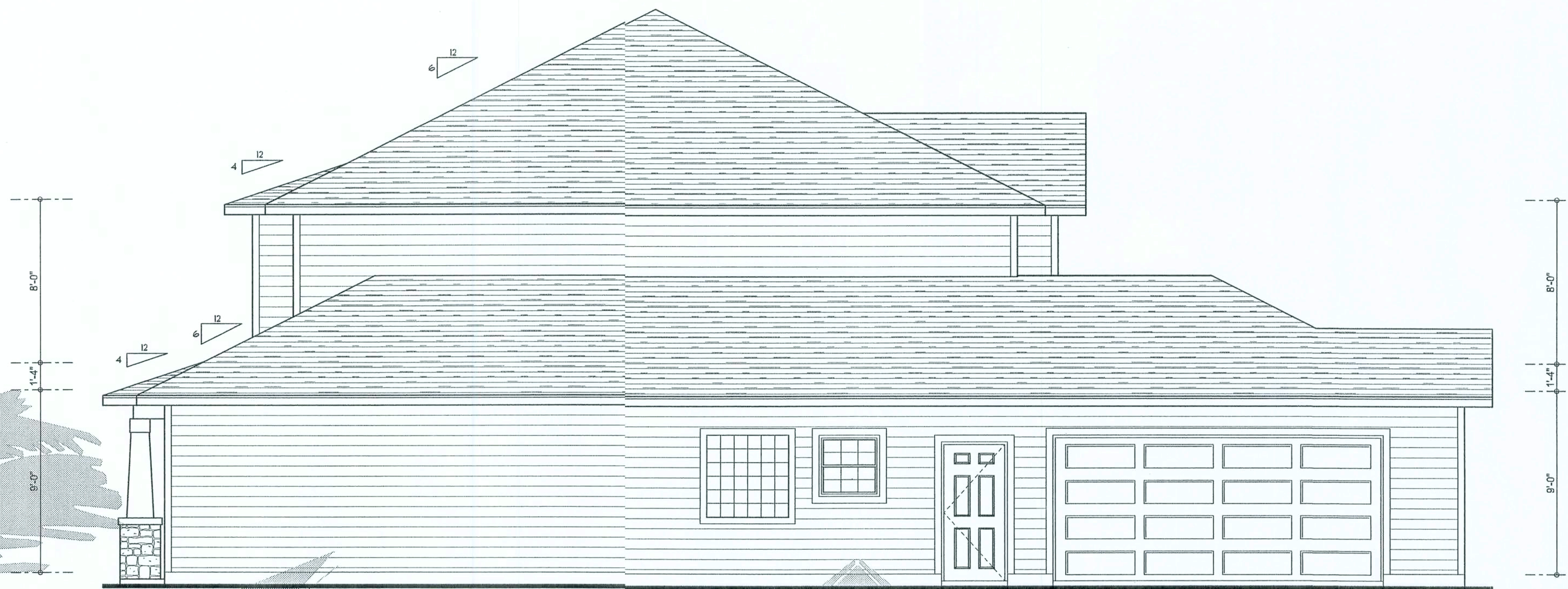
A-1

OF 7 SHEETS



REVISIONS


**SOFTPLAN**  
ARCHITECTURAL DESIGNS OF FLORIDA



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



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

WINDLOAD ENGINEER: Mark Disoway,  
P.E. No. 53915, P.O. Box 858, Lake City, FL  
32056, 386-754-5419

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MARK DISOWAY  
P.E. 53915

*Mark Disoway*  
11/2/07  
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**DRAWING NUMBER**

**A-2**

OF 7 SHEETS.



REVISIONS	

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WINDLOAD ENGINEER: Mark Disosway  
P.E. No. 53815, FCB 868, Lake City, FL  
32056, 386-754-5419

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MARK DISOSWAY  
P.E. 53815  
10/20/07  
SEAL

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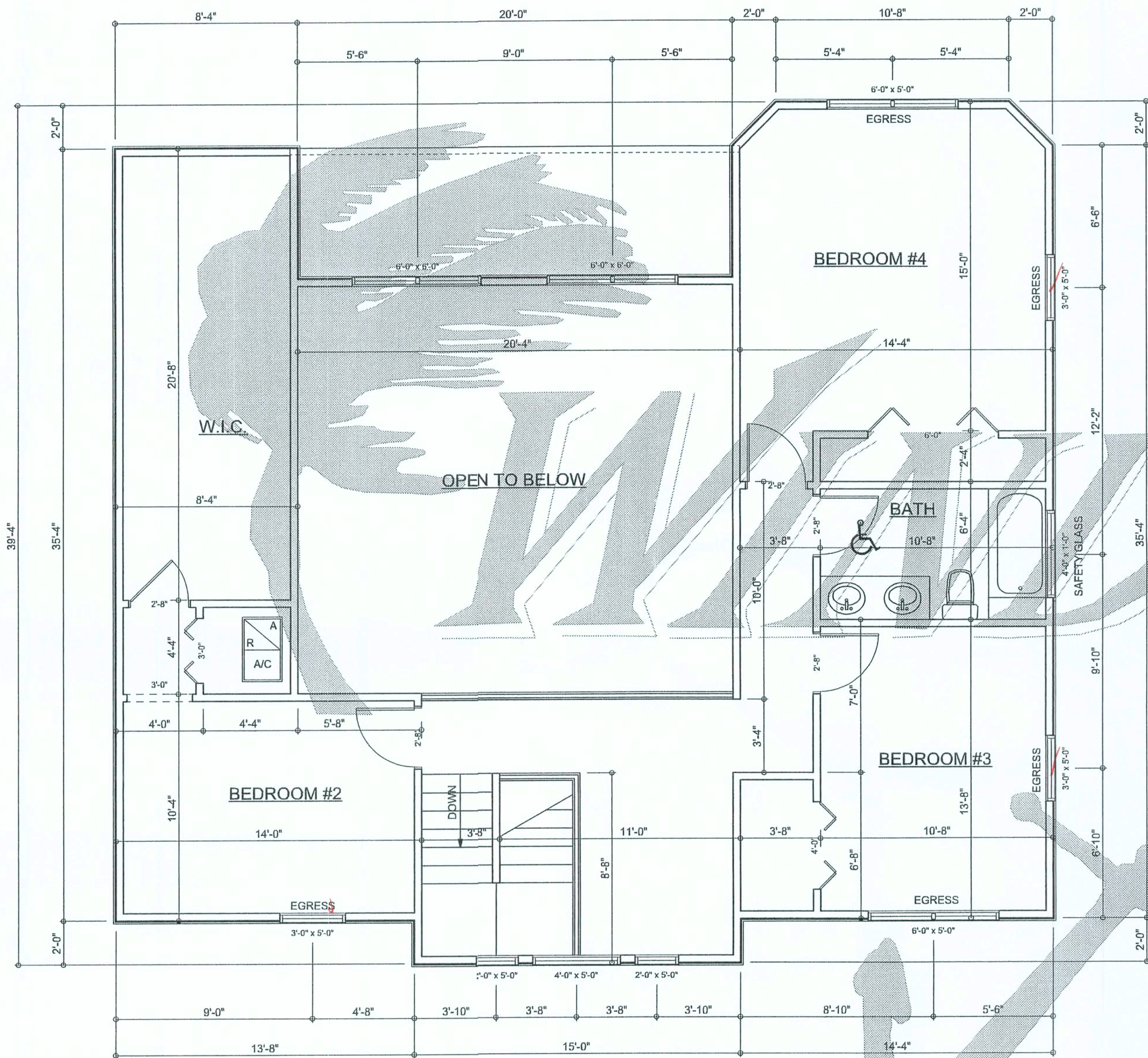
DRAWN BY: David Disosway

CHECKED BY:

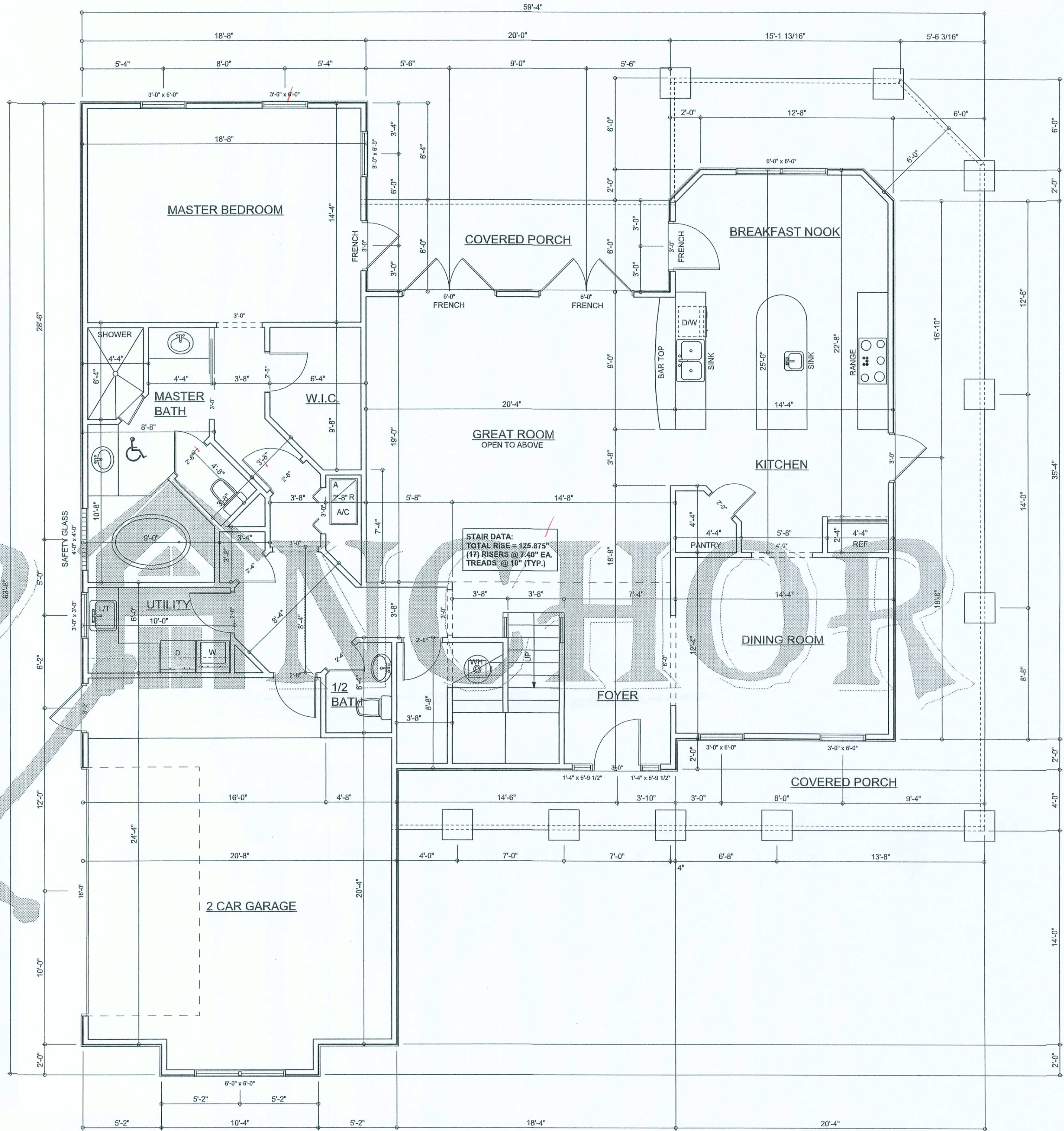
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Sept. 28, 2007

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706276

DRAWING NUMBER  
**A-3**  
OF 7 SHEETS



**2ND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
ALL CEILING HEIGHTS TO BE 8'-0" UNLESS NOTED OTHERWISE



**1ST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
ALL CEILING HEIGHTS TO BE 8'-0" UNLESS NOTED OTHERWISE

Garage fire separations shall comply with the following:  
1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 5/8-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 1 3/8 inches (34.9 mm) thick, or doors in compliance with Section 716.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.  
2. Walls in a private garage and studs penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.  
3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.

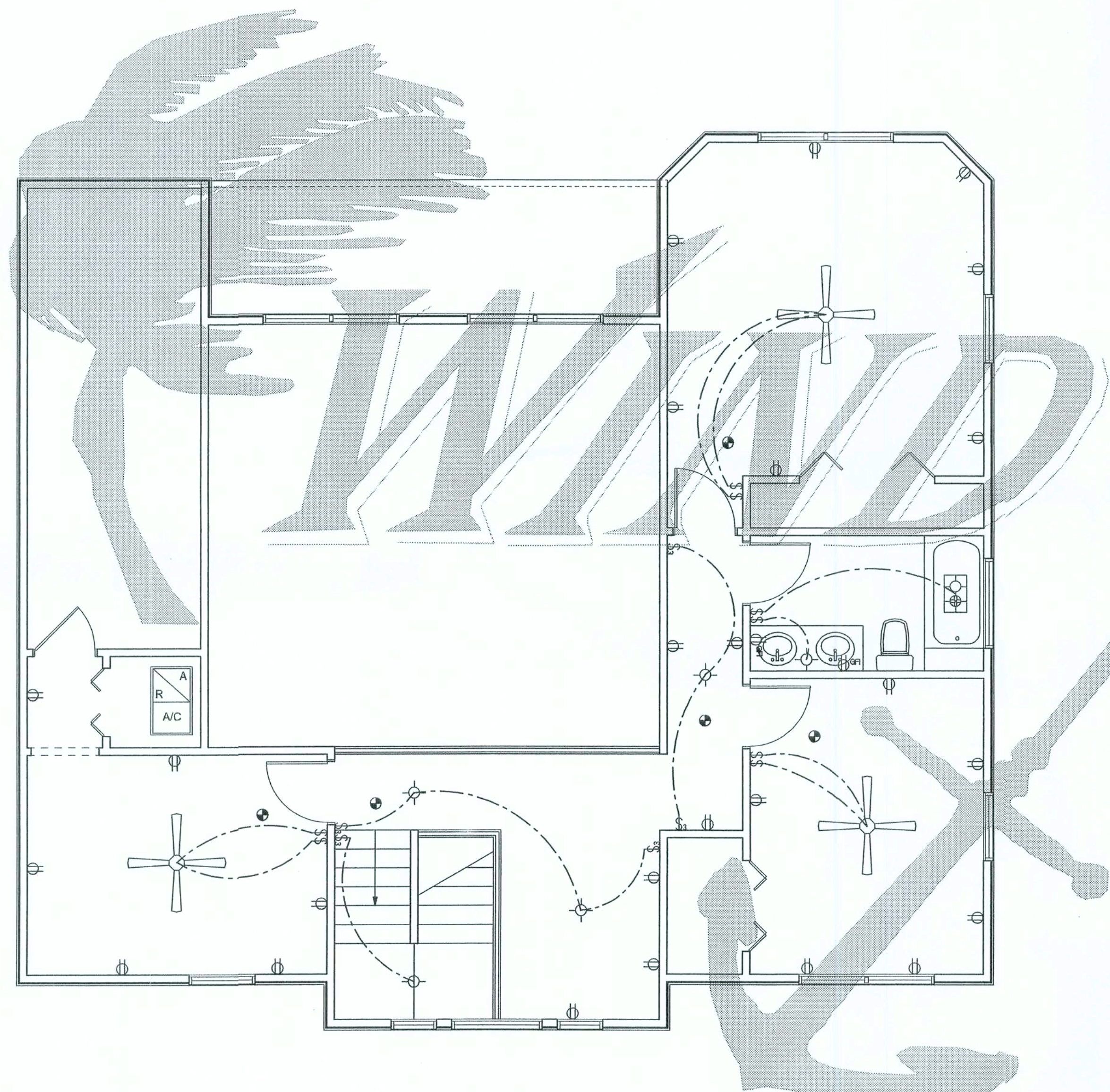
**AREA SUMMARY**

1ST FLOOR LIVING AREA	1874	S. F.
2ND FLOOR LIVING AREA	1018	S. F.
GARAGE AREA	484	S. F.
PORCH AREA	689	S. F.
TOTAL AREA	4065	S. F.

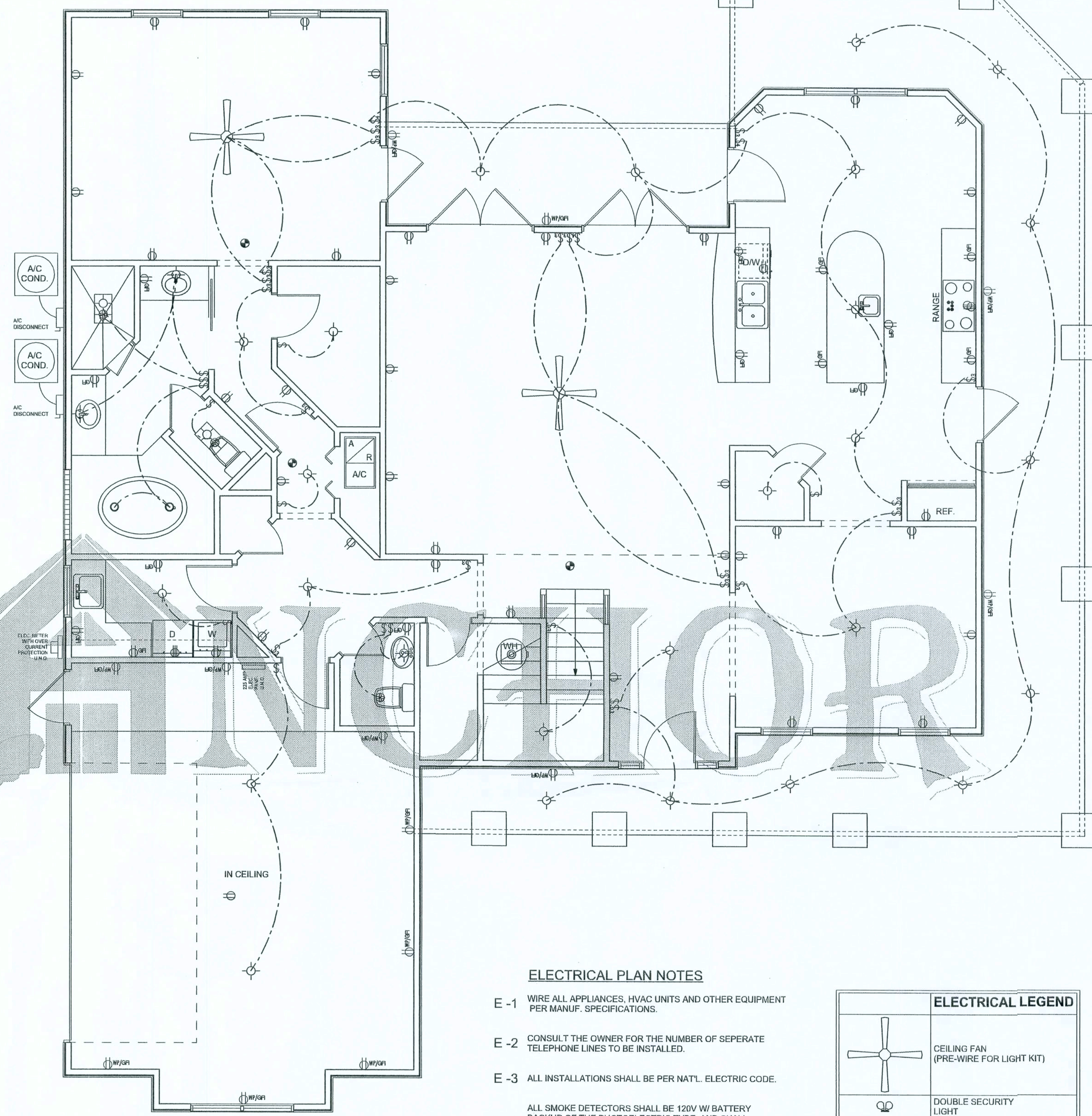


REVISIONS	

**SOFTPLAN**  
ARCHITECTURAL SOFTWARE



**2ND FLOOR ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"



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

# **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 SEPERATE 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 CONTR 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 BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)
- 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.

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

WINDLOAD ENGINEER: Mark Disosway,  
PE No. 53915, PCB 868, Lake City, FL  
32056, 386-754-5419

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MARK DISOSWAY  
P.E. 53915  
*[Signature]*  
SEAL

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**A-4**  
OF 7 SHEETS











# REVISIONS

SOFTPLAN  
ARCHITECTURAL DESIGN TEAM

WINDLOAD ENGINEER: Mark Disosway,  
P.E. No. 33915, FCB 868, Lake City, FL  
32056, 386-754-5419

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MARK DISOSWAY  
P.E. 33915

Willis Residence

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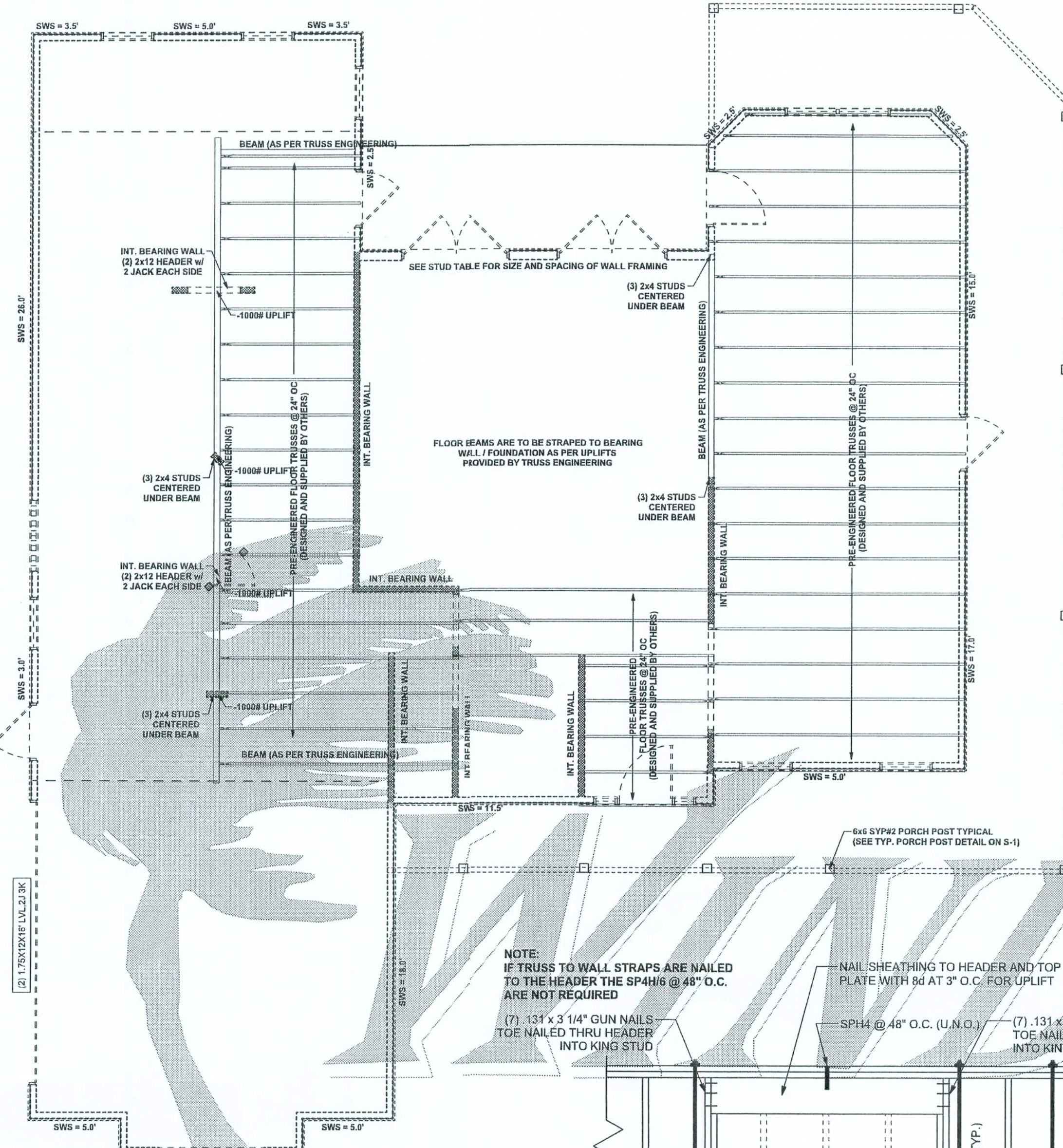
FINALS DATE:  
Sept. 28, 2007

JOB NUMBER:  
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DRAWING NUMBER

S-3

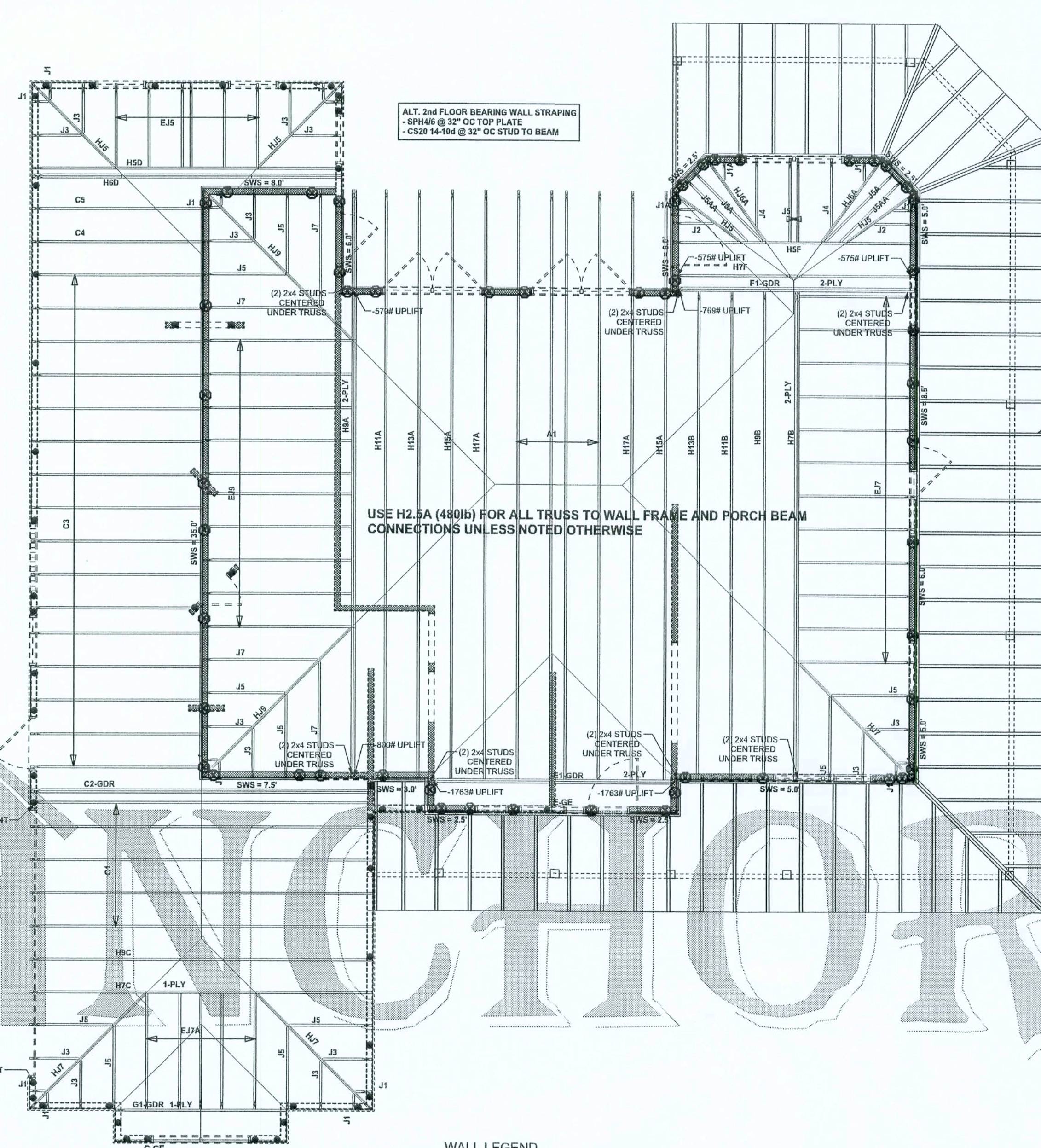
OF 7 SHEETS



1st FLOOR STRUCTURAL PLAN / FLOOR SYSTEM  
SCALE: 3/16" = 1'-0"

TRANSVERSE	LONGITUDINAL
ACTUAL 35534 LB	18986 LB
REQUIRED 18149 LB	13567 LB

1st FLOOR TOTAL SHEAR WALL  
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS



2nd FLOOR STRUCTURAL PLAN / ROOF SYSTEM  
SCALE: 3/16" = 1'-0"

TRANSVERSE	LONGITUDINAL
ACTUAL 31174 LB	14606 LB
REQUIRED 5890 LB	4563 LB

2nd FLOOR TOTAL SHEAR WALL  
SWS = 0.0' INDICATES SHEAR WALL SEGMENTS

## WALL LEGEND

SWS = 0.0'	1ST FLOOR EXTERIOR WALL
SWS = 0.0'	2ND FLOOR EXTERIOR
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

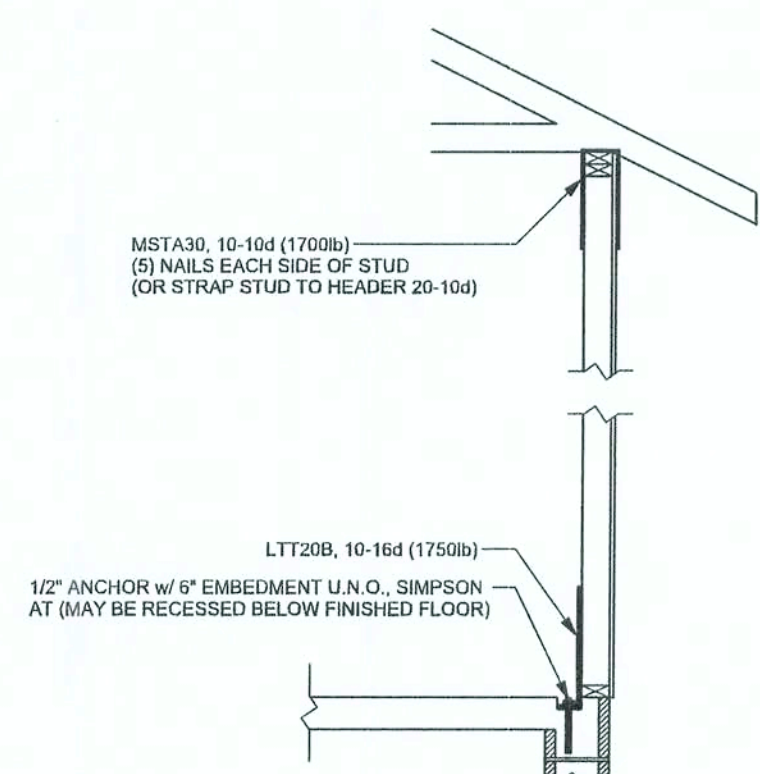
(2) 2X12X9' 1/2" 1K	HEADER/BEAM CALL-OUT (U.N.O.)
NUMBER OF KING STUDS (FULL LENGTH)	
NUMBER OF JACK STUDS (UNDER HEADER)	
SPAN OF HEADER	
SIZE OF HEADER MATERIAL	
NUMBER OF PILES IN HEADER	

## THREADED ROD LEGEND

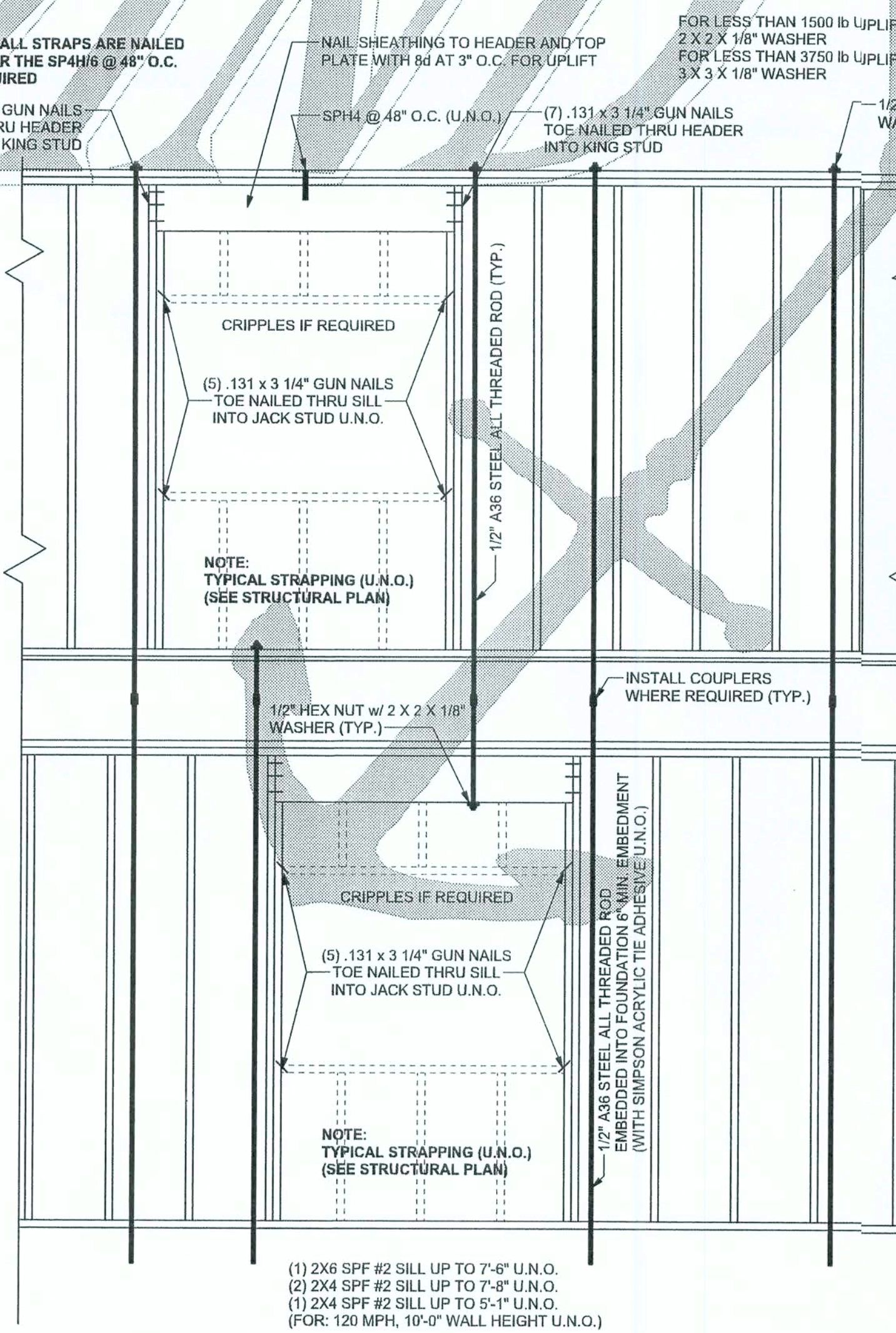
INDICATES LOCATION OF: 1ST FLOOR 1/2" A307 ALL THREADED ROD	
INDICATES LOCATION OF: 2ND FLOOR 1/2" A307 ALL THREADED ROD	

## STRUCTURAL PLAN NOTES

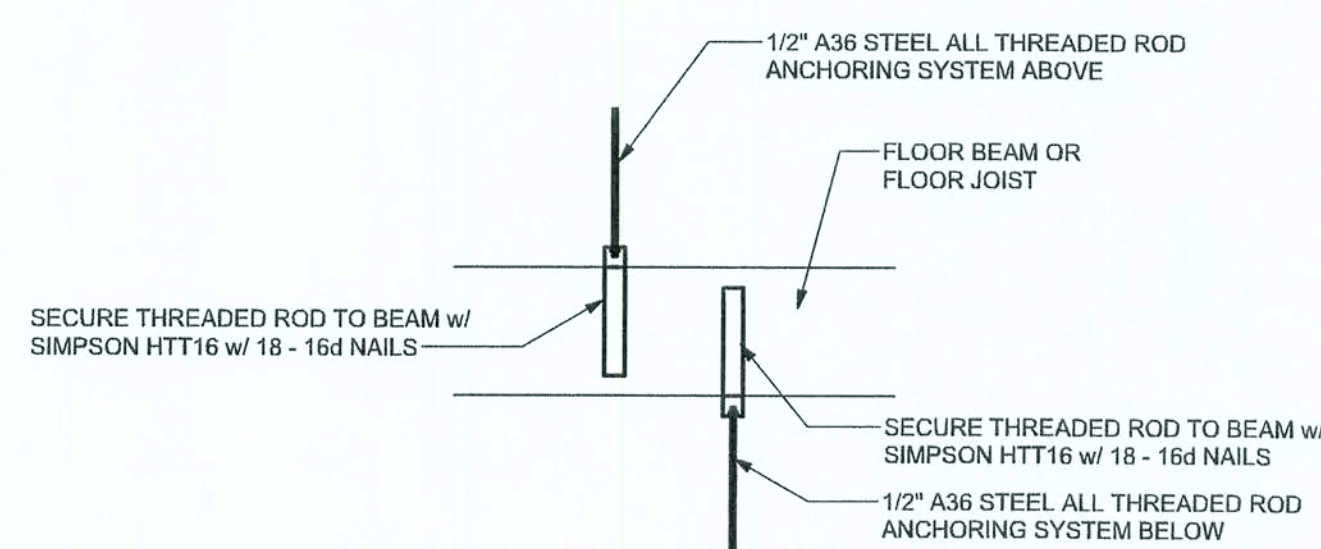
- SN-1 ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X12 SYPR2 (U.N.O.)
- SN-2 ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE (U.N.O.)
- SN-3 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- 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 BCS1-43, BCS1-81, BCS1-82, & BCS1-83. BCS1-81, BCS1-82, & BCS1-83 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE



ALTERNATE WALL TIE CONNECTION WHERE  
THREADED ROD CANNOT BE PLACED IN WALL.  
SCALE: 1/2" = 1'-0"



TYPICAL 2 STORY HEADER STRAPING DETAIL  
SCALE: 1/2" = 1'-0"



OPTIONAL THREADED ROD TO  
FLOOR BEAM OR FLOOR JOIST  
SCALE: 1/2" = 1'-0"

CONNECTIONS, WALL & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER  
JOB #7-227F WADE WILLIS CONST. - THE HALEY