

PROFESSIONAL **SKY**
BUILDING DESIGN **DESIGNS**
JANUARY S. JERNIGAN
119 SW JOHN STREET
LIVE OAK, FL 32064
PHONE: 386-208-1340
E-MAIL: skydesigns@alltel.net

HE IS THE

CHIEF CORNERSTONE

dg
GTC DESIGN GROUP
Gary Gill, P.E.
Lic#51942 Auth#9461
130 West Howard Street
Live Oak, FL 32064
Phone: 386-362-3678



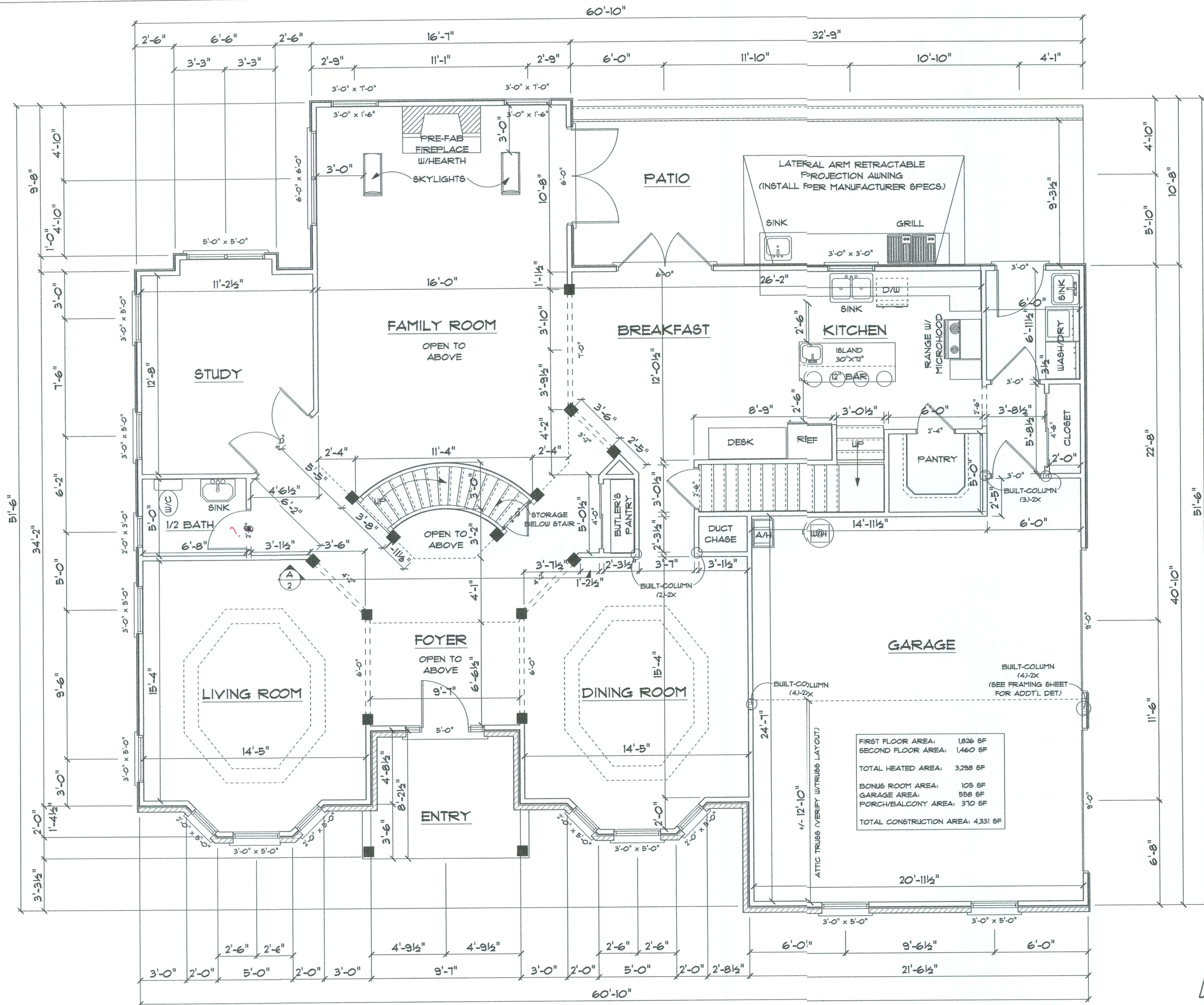
A RESIDENCE FOR:
DILIP & PRIYA KAPADIA

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2/28/05

Office copy



HE IS THE
CHIEF
CORNERSTONE

SKY DESIGNS
January 8, 2006
115 8th Street, Suite 100
Live Oak, FL 32064
Phone: 386-362-1940
E-Mail: skydesigns@earthlink.net

A RESIDENCE FOR:
DILIP & PRIYA
KAPADIA

GTC
DESIGN GROUP
GTC Gill, P.E.
Licensing Authority
130 West Howard Street
Live Oak, FL 32064
Phone: 386-362-3618

FIRST FLOOR
LAYOUT
Date: 2/11/06

Sheet Number:

1

Drawn By: JSJ

Scale: 1/4" = 1'

9/28/06

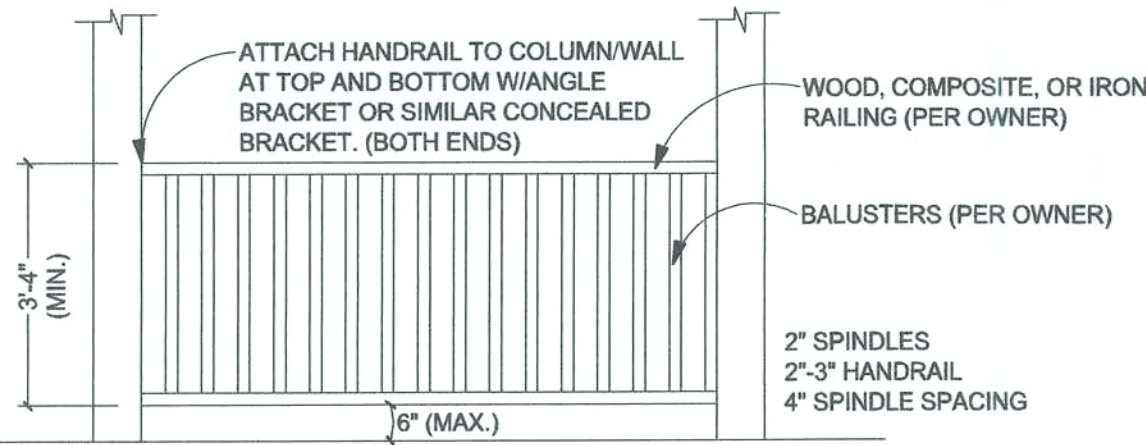
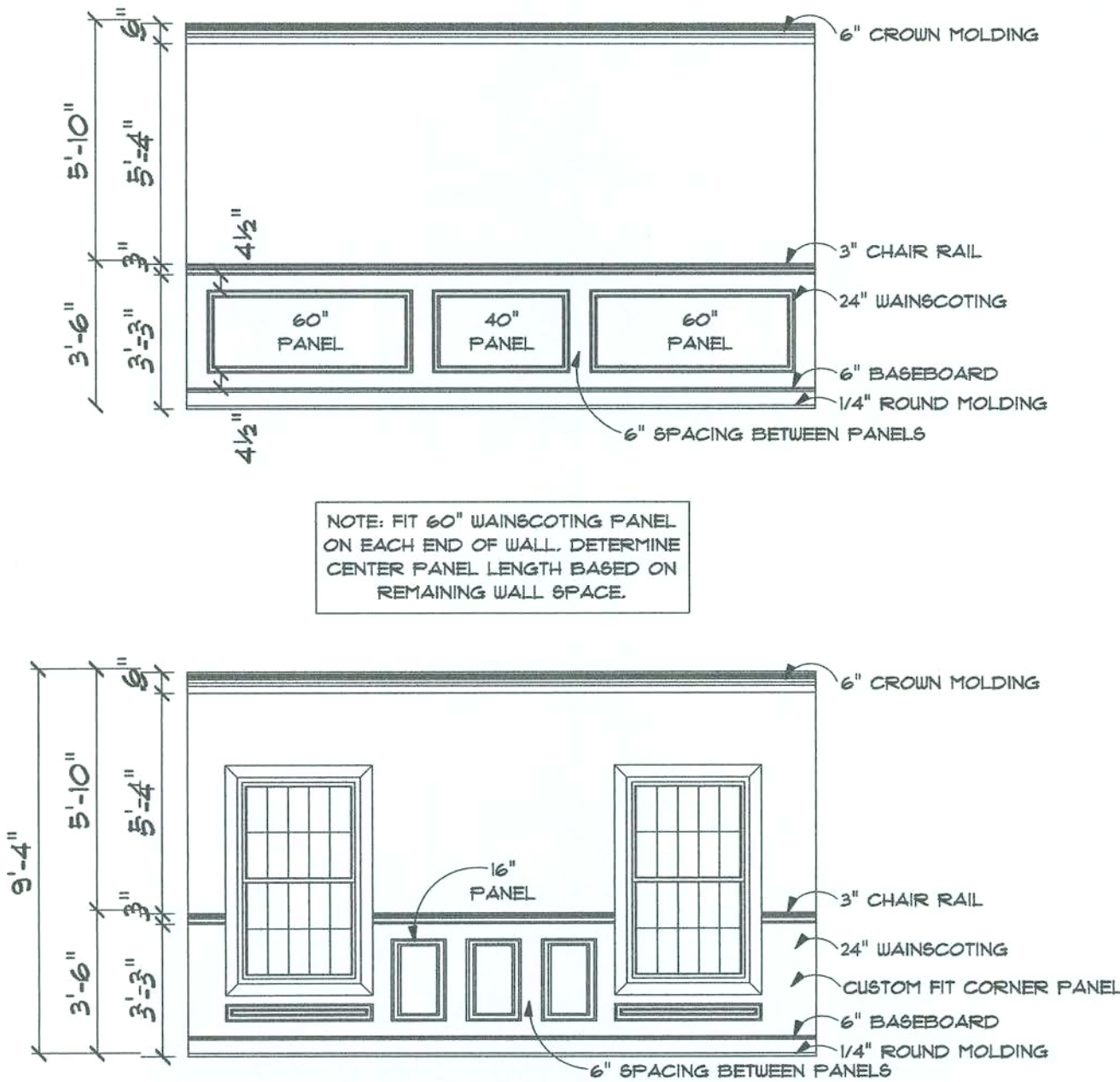
OPENING SCHEDULE

PRODUCT CODE	SIZE	COUNT
18x80 BIFOLD COLONIAL 1	1'-6"	1
18x24 CASEMENT 1	1'-6" x 2'-0"	1
36x80 COLONIAL A 1	3'-0"	1
24x80 COLONIAL A 1	2'-0"	1
28x80 COLONIAL A 1	2'-4"	4
30x80 COLONIAL A 1	2'-6"	2
32x80 COLONIAL A 1	2'-8"	5
36x80 COLONIAL A 1	3'-0"	2
60x80 COLONIAL A 2	5'-0"	1
60x80 ENTRY W/2 SL & 12" TRANSOM	5'-0"	1
72x80 FRENCH A 2	6'-0"	3
24x80 FRAMELESS GLASS SHOWER DOOR	2'-0"	1
108x84 - GARAGE DOOR	9'-0"	2
24x36 SINGLE HUNG 1	2'-0" x 3'-0"	2
24x60 SINGLE HUNG 1	2'-0" x 5'-0"	8
36x36 SINGLE HUNG 1	3'-0" x 3'-0"	1
36x60 SINGLE HUNG 1	3'-0" x 5'-0"	16
36x72 SINGLE HUNG 1	3'-0" x 7'-0"	2
72x48 SINGLE HUNG 2	6'-0" x 4'-0"	1
60x60 SINGLE HUNG 2	5'-0" x 5'-0"	2
72x72 SINGLE HUNG 2	6'-0" x 6'-0"	1
48x80 SLIDING COLONIAL 2	4'-0"	3
54x80 SLIDING COLONIAL 2	4'-6"	1
60x80 SLIDING COLONIAL 2	5'-0"	2
24 OCTAGON	2'-0" x 2'-0"	1
36x18 ARC TOP TRANSOM	3'-0" x 1'-6"	2
72x24 TRANSOM	6'-0" x 2'-0"	1

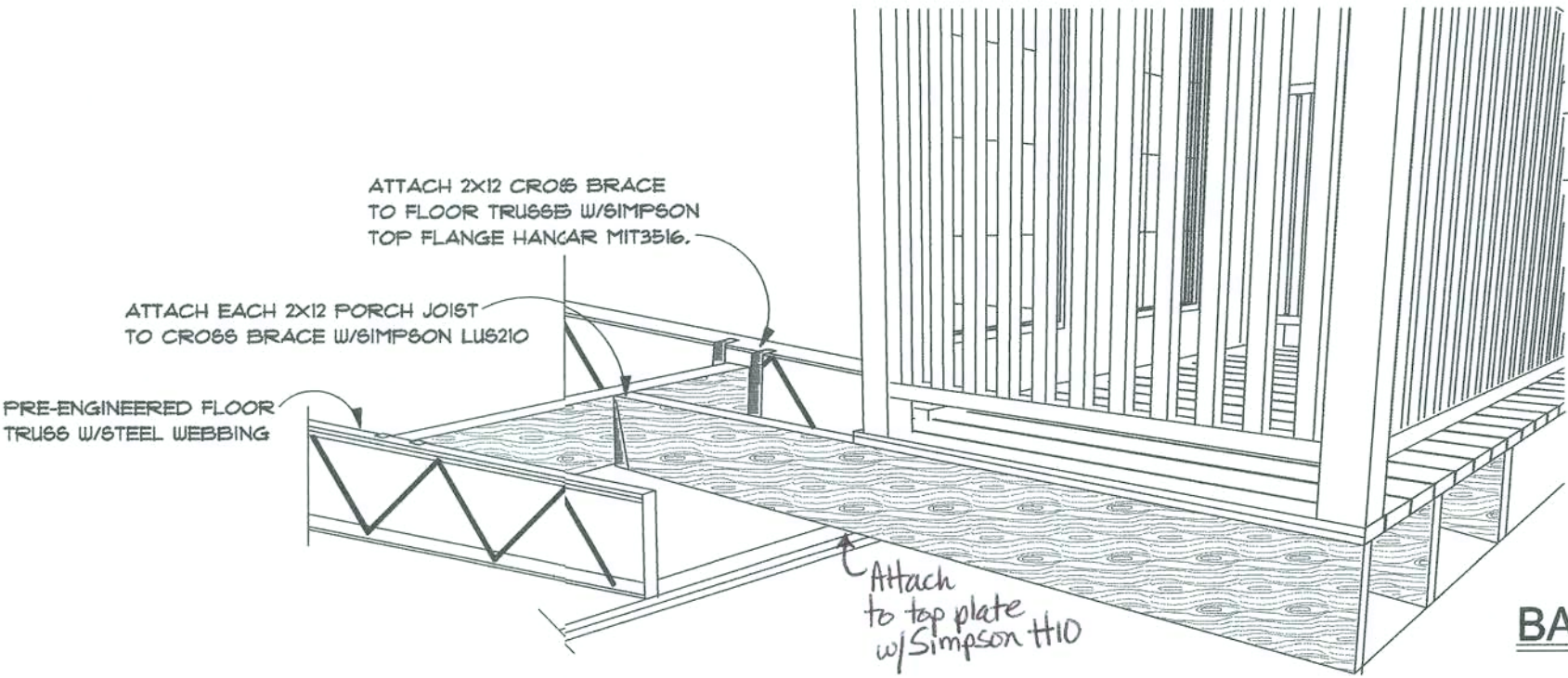
FLOOR COVERING

ROOM NAME	FLOOR COVERING
ENTRY	MARBLE
FOYER	MARBLE
LIVING ROOM	WOOD
DINING ROOM	WOOD
STUDY	WOOD
FAMILY ROOM	WOOD
BREAKFAST NOOK	TILE
KITCHEN	TILE
LAUNDRY	TILE
MAIN STAIRS	WOOD W/ CARPET RUNNER INSET
BACK STAIRS	WOOD
MASTER SITTING	WOOD
MASTER BEDROOM	CARPET
BEDROOM #2	CARPET
BEDROOM #3	CARPET
BEDROOM #4	CARPET
BATHROOMS	TILE

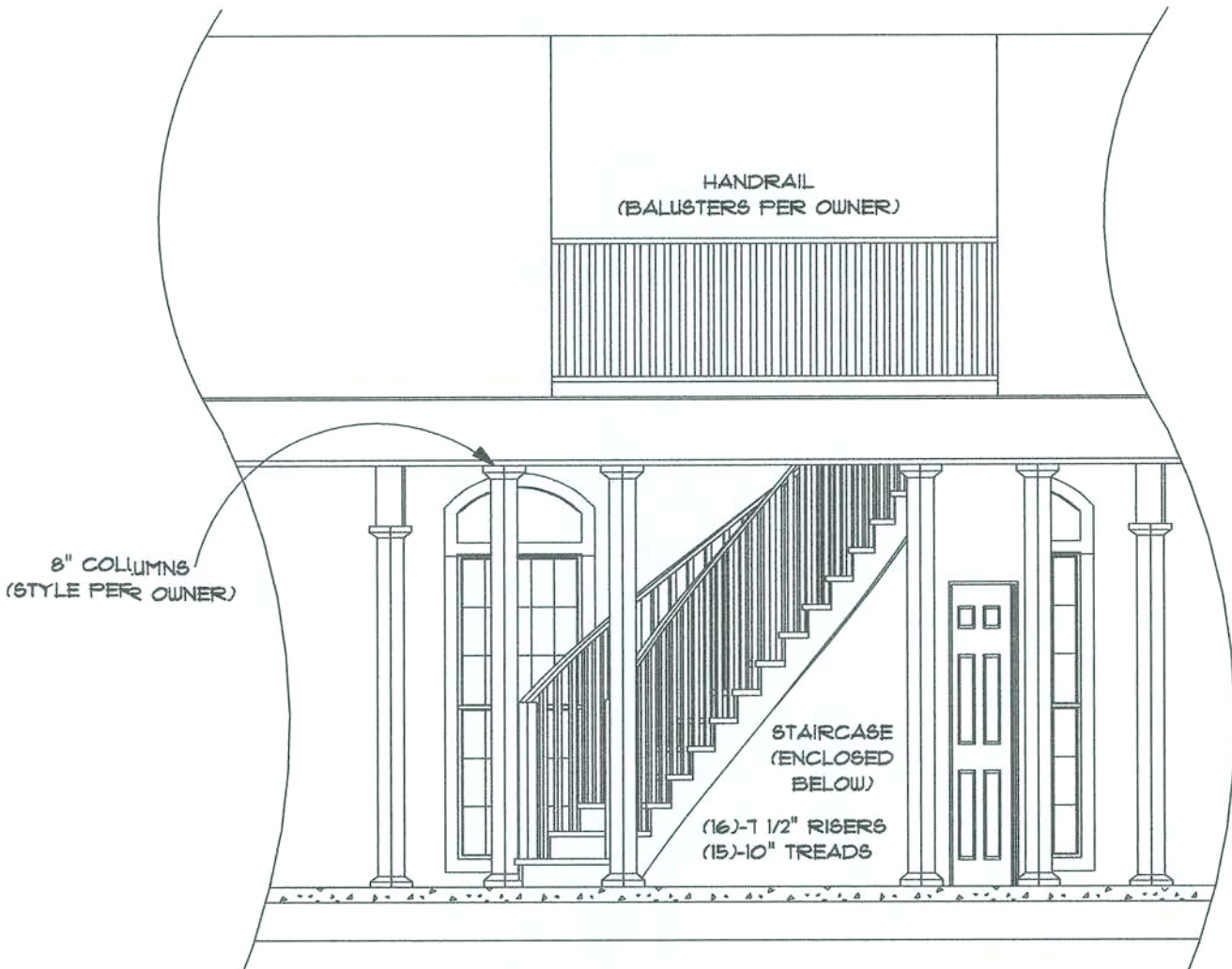
MOLDING DETAILS



HANDRAIL DETAIL (TYP)



BALCONY DETAIL



CROSS SECTION A

HE IS THE
CHIEF
CORNERSTONE

SKY DESIGNS
January 6, 2006
119 8th Street
Live Oak, FL 32064
Phone: 386-208-1340
E-Mail: skydesigns@att.net

A RESIDENCE FOR:
DILIP & PRIYA
KAPADIA

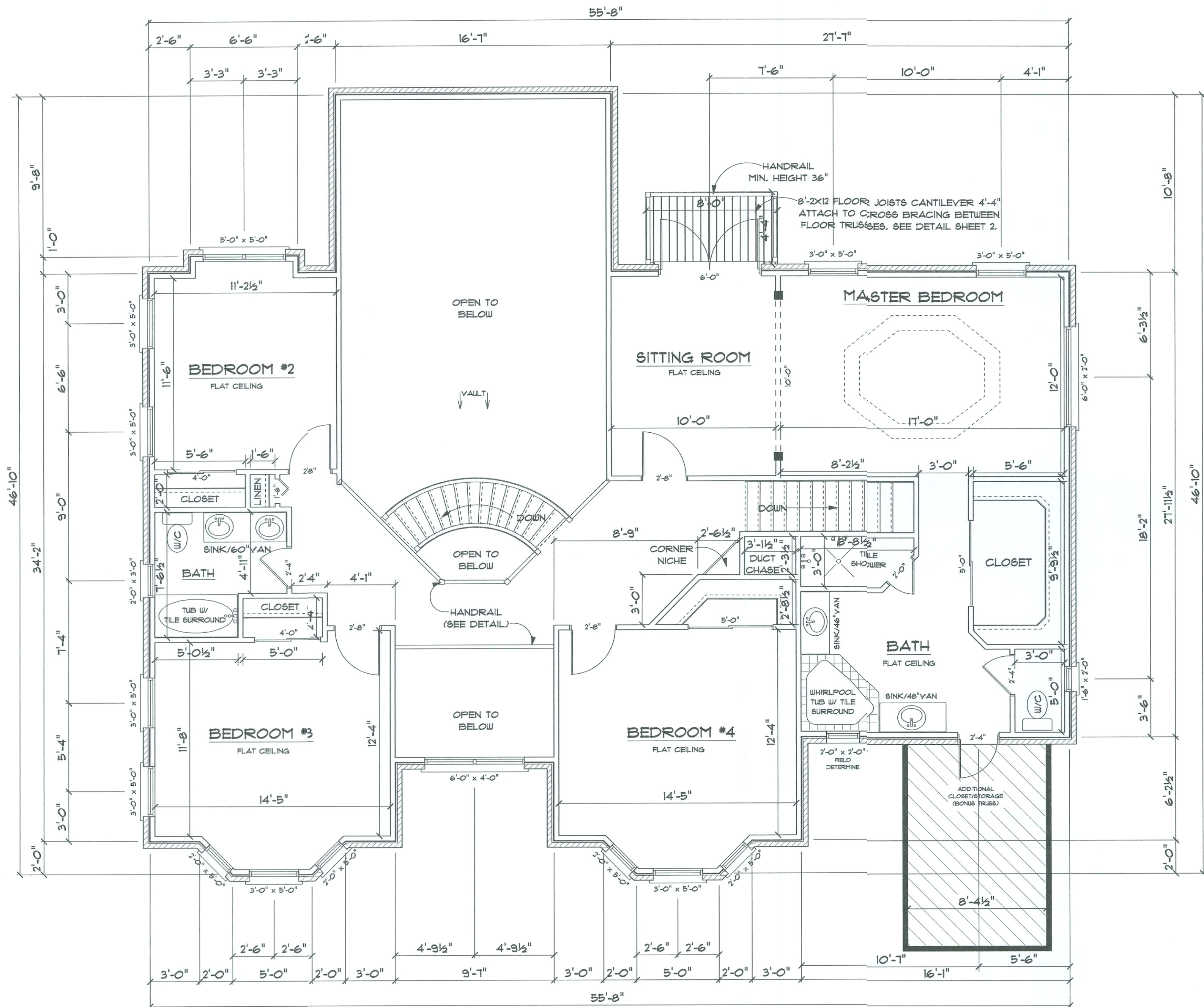
GTC
DESIGN GROUP
Gary Gill, P.E.
119 8th Street
Live Oak, FL 32064
Phone: 386-208-1340

INTERIOR
DETAILS
Date: 2/1/06

Sheet Number:
2

Drawn By: JSJ
Scale: 1/4" = 1'

2/2/06



Handwritten signature and date:
 8/28/06

HE IS THE
 CHIEF
 CORNERSTONE

SKY DESIGNS

January S. Jernigan
 115 8th Street
 Live Oak, FL 32064
 Phone: 386-208-1340
 E-Mail: skydesigns@att.net

A RESIDENCE FOR:
 DILIP & PRIYA
 KAPADIA

GTC
 DESIGN GROUP

Gary Gill, P.E.
 Lic#1942 AUP#9461
 130 West Howard Street
 Live Oak, FL 32064
 Phone: 386-362-3619

SECOND FLOOR
 LAYOUT
 Date: 2/1/06

Sheet Number:
3

Drawn By: JBJ
 Scale: 1/4" = 1'

FLOOR TRUSS LAYOUT PROVIDED BY:



**BUILDERS
FirstSource**

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville
PHONE: 904-TT2-6100 FAX: 904-TT2-1913

Lake City
PHONE: 904-T55-6894 FAX: 904-T55-T913

REFER TO ENGINEERED TRUSS DOCUMENTS
FOR ALL PRE-ENGINEERED TRUSS & BEAM
INFORMATION. VERIFY LAYOUT PRIOR TO
ORDER OR INSTALLATION.

HE IS THE

CHIEF
CORNERSTONE

SKY DESIGNS

January 6, Jamigan
119 8th John Street
Live Oak, FL 32064
Phone: 386-208-1340
E-Mail: skydesigns@earthlink.net

A RESIDENCE FOR:
DILIP & PRIYA KAPADIA

GTC

DESIGN GROUP

Gary Gill, P.E.
Lic#15142 Auth#1461
190 West Howard Street
Live Oak, FL 32064
Phone: 386-362-3618

2ND FLOOR
FRAMING PLAN

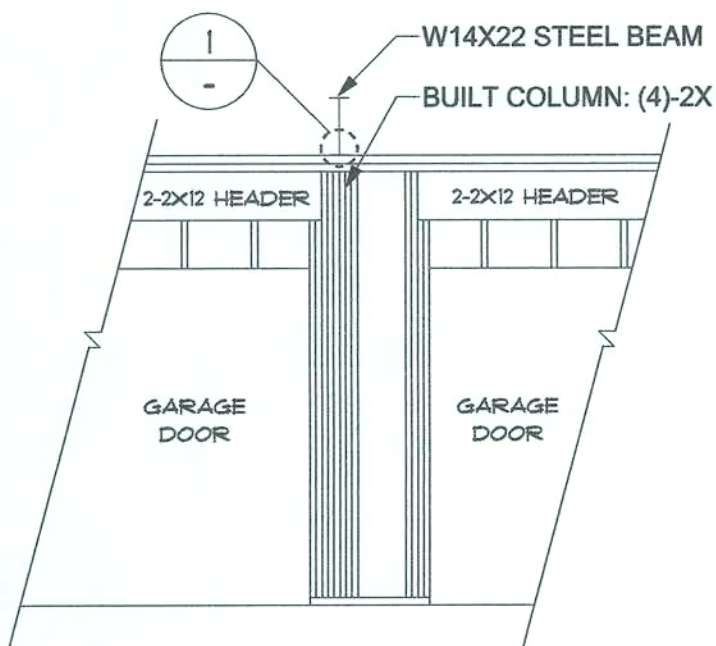
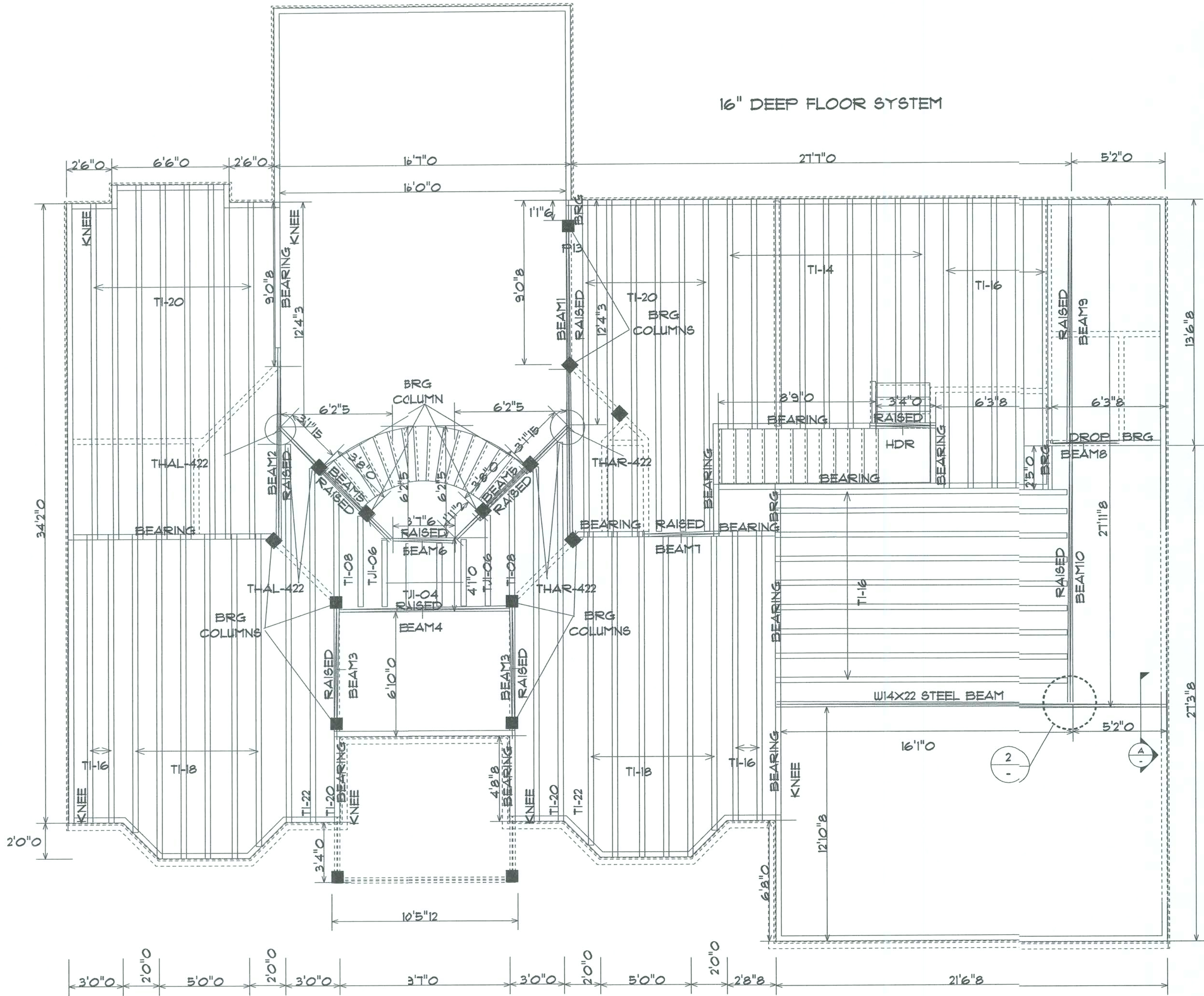
Date: 2/1/06

Sheet Number:

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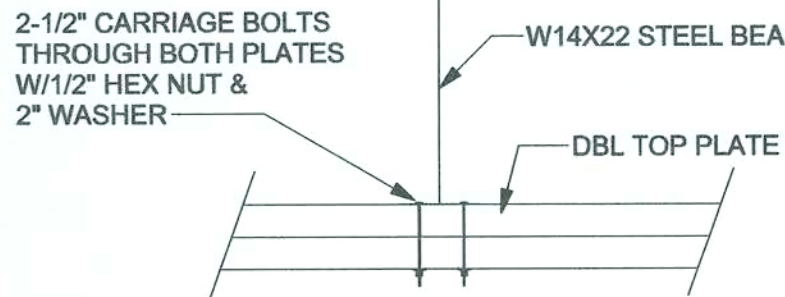
Drawn By: JSJ

Scale: 1/4" = 1'



CROSS SECTION A

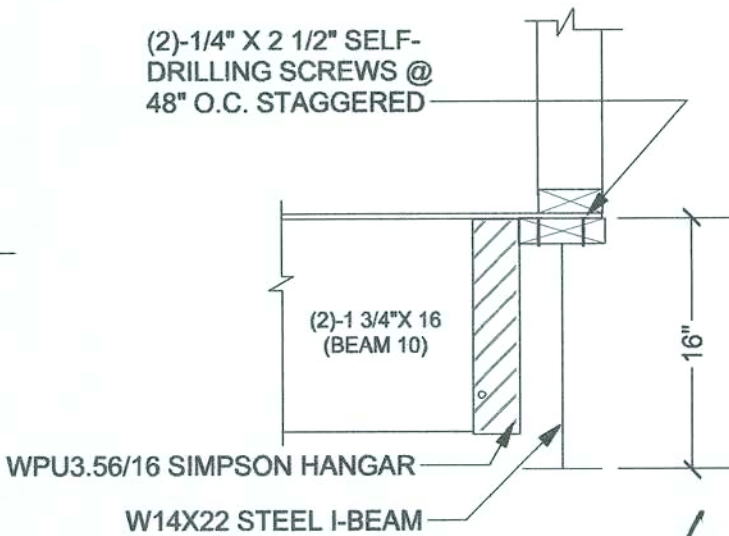
SCALE: 1/4" = 1'-0"



DETAIL 1

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

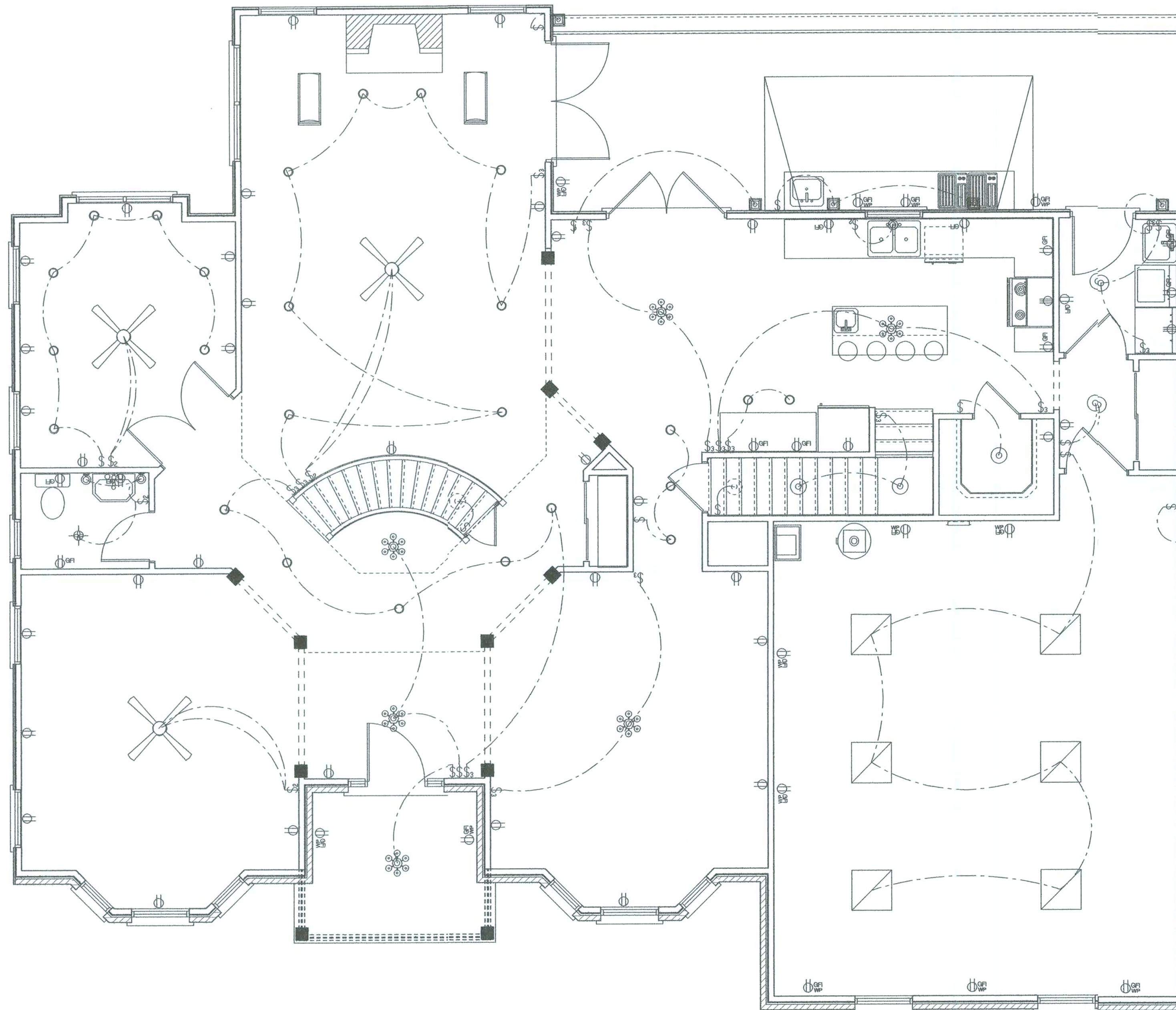
(2)-1/4" X 2 1/2" SELF-
DRILLING SCREWS @
48" O.C. STAGGERED



DETAIL 2

SCALE: N.T.S.

2/28/06



ELECTRICAL	COUNT	SYMBOL
ceiling fan globe 1	5	
ceiling lamp square	6	
fan light combo	1	
ceiling globe light	7	
chandelier	7	
pot light	44	
wall mount 1	3	
wall mount 2	8	
electrical panel	1	
outlet wp	13	
outlet	34	
outlet 220v	2	
outlet gfi	12	
switch	14	
switch 3 way	13	
switch double	5	

NOTE:

1. OUTLETS LOCATED IN KITCHEN, BATH, MEDIA CENTER & BEHIND REFRIGERATOR SHALL BE A MINIMUM OF 4'-0" A.F.F.
2. ALL OTHER OUTLETS SHALL BE A MINIMUM OF 12" A.F.F. UNLESS OTHERWISE SPECIFIED.
3. PLACE SWITCH PLATES A MINIMUM OF 2 1/2" FROM DOOR TRIM
4. ALL PHONE/MULTIMEDIA OUTLETS SHALL BE PLACED PER OWNER
5. SMOKE ALARMS SHALL BE BATTERY OPERATED AND HARD-WIRED INTO THE ELECTRICAL SYSTEM (ONE CIRCUIT CONNECTION TO PANEL) OR TO BE PLUG-IN ALARM
6. TOILET ROOMS AND BATHROOMS REQUIRE OUTDOOR VENTILATION AREA-50 CFM (INTERMITTENT) OR 20 CFM (CONTINUOUS)
7. ALL BRANCH-CIRCUITS THAT SUPPLY 125 VOLT, SINGLE PHASE, 15 20AMP OUTLETS LOCATED IN DWELLING-UNIT BEDROOMS MUST BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER TO PROVIDE PROTECTION OF THE ENTIRE BRANCH-CIRCUIT

B. Lee
8/26/06

HE IS THE

CHIEF
CORNERSTONE

SKY DESIGNS
January 6, Jamigan
119 SW John Street
Live Oak, FL 32064
Phone: 386-208-1940
E-Mail: skydesigns@alltel.net

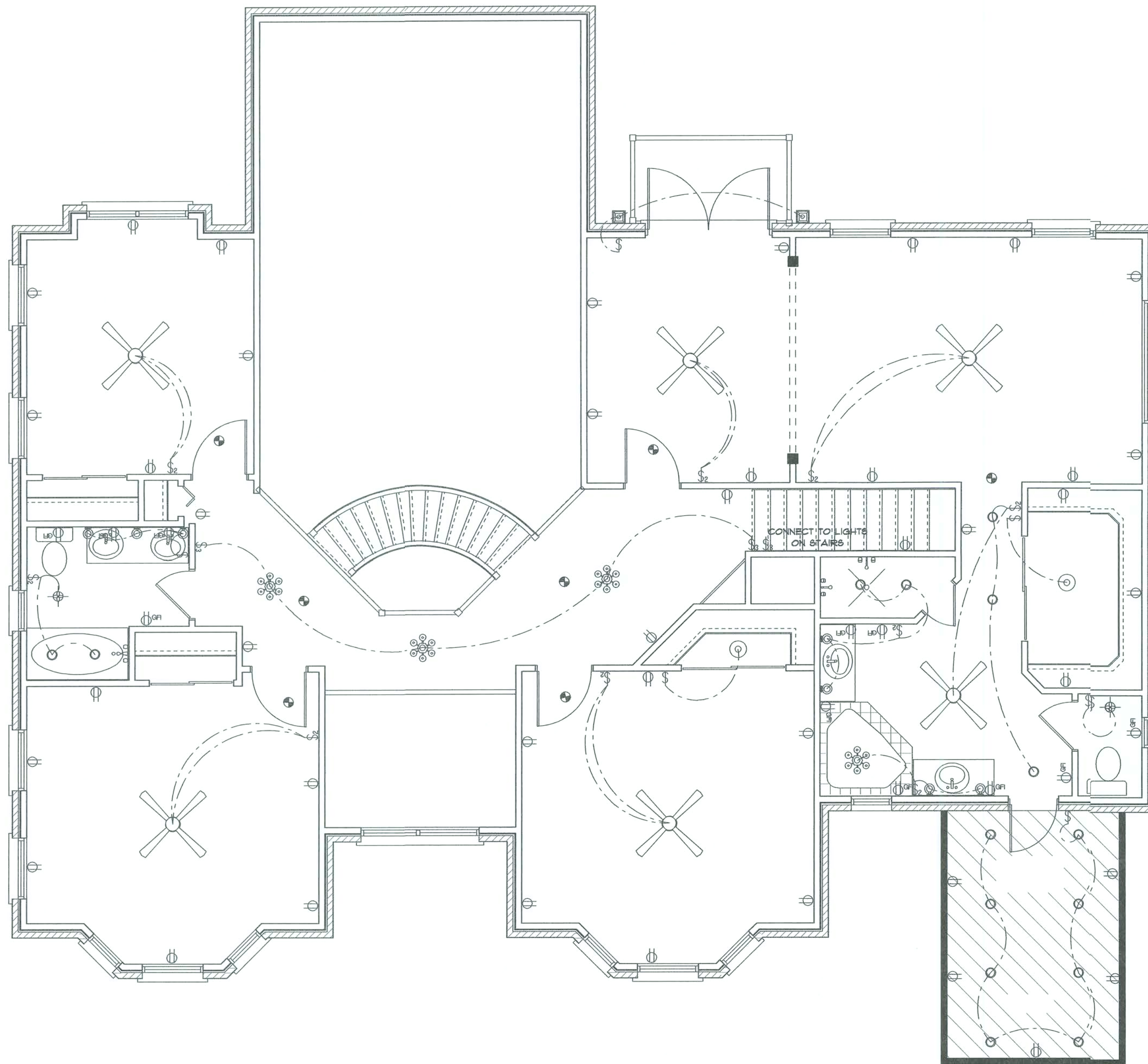
A RESIDENCE FOR:
DILIP & PRIYA
KAPADIA

GTC
DESIGN GROUP
Gary Gill, P.E.
Lic#15142 Auth#9461
130 West Howard Street
Live Oak, FL 32064
Phone: 386-365-3618

FIRST FLOOR
ELECTRICAL
Date: 2/1/06

Sheet Number:
6

Drawn By: J&J
Scale: 1/4" = 1'



ELECTRICAL	COUNT	SYMBOL
ceiling fan globe 1	6	
fan light combo	2	
ceiling globe light	2	
chandelier	4	
pot light	70	
wall mount 1	1	
wall mount 2	2	
outlet	42	
outlet gfi	11	
smoke detector	1	
switch	11	
switch 3 way	3	
switch double	9	

G. Gil
2/22/04

HE IS THE

CHIEF
CORNERSTONE

SKY DESIGNS
January S. Jarrigan
119 8th John Street
Live Oak, FL 32064
Phone: 386-308-1340
E-Mail: skydesigns@att.net

A RESIDENCE FOR:
**DILIP & PRIYA
KAPADIA**

**GTC
DESIGN GROUP**
Gary Gill, P.E.
Lic#9542 Auth#3461
130 West Howard Street
Live Oak, FL 32064
Phone: 386-365-5619

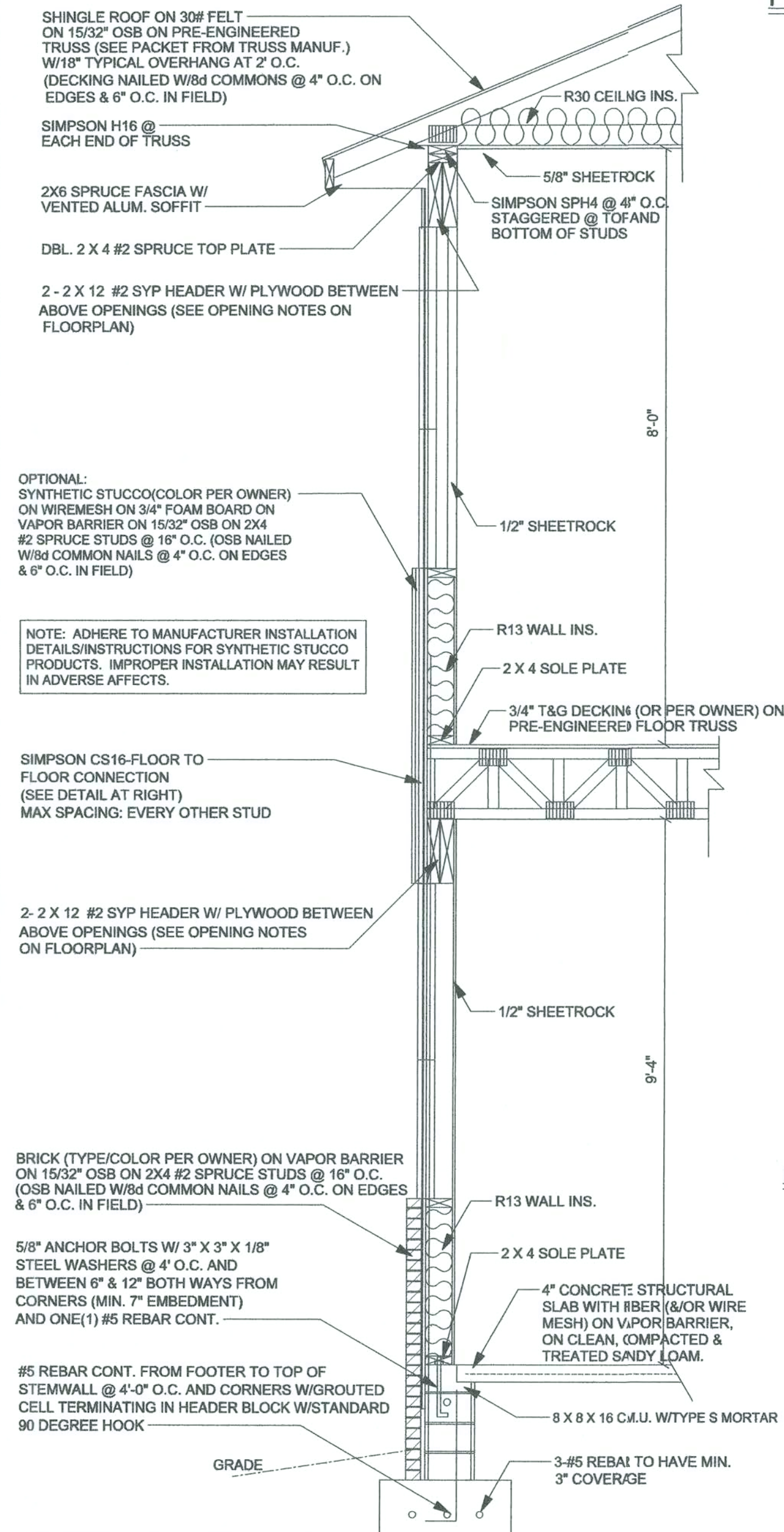
**SECOND FLOOR
ELECTRICAL**
Date: 2/1/06

Sheet Number:
1

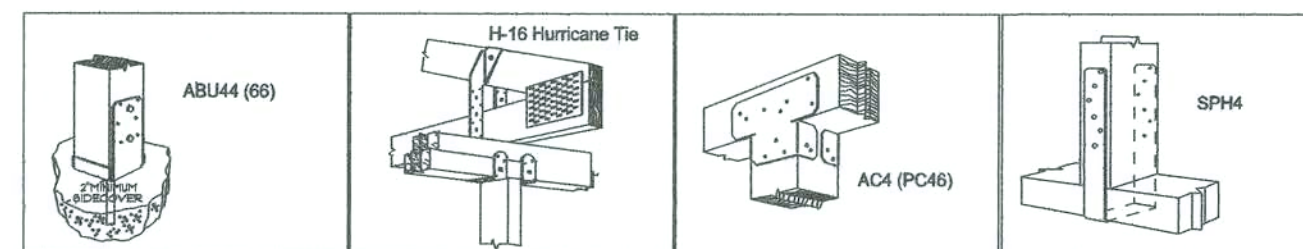
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Scale: 1/4" = 1'

TYPICAL SECTION

SCALE: NTS

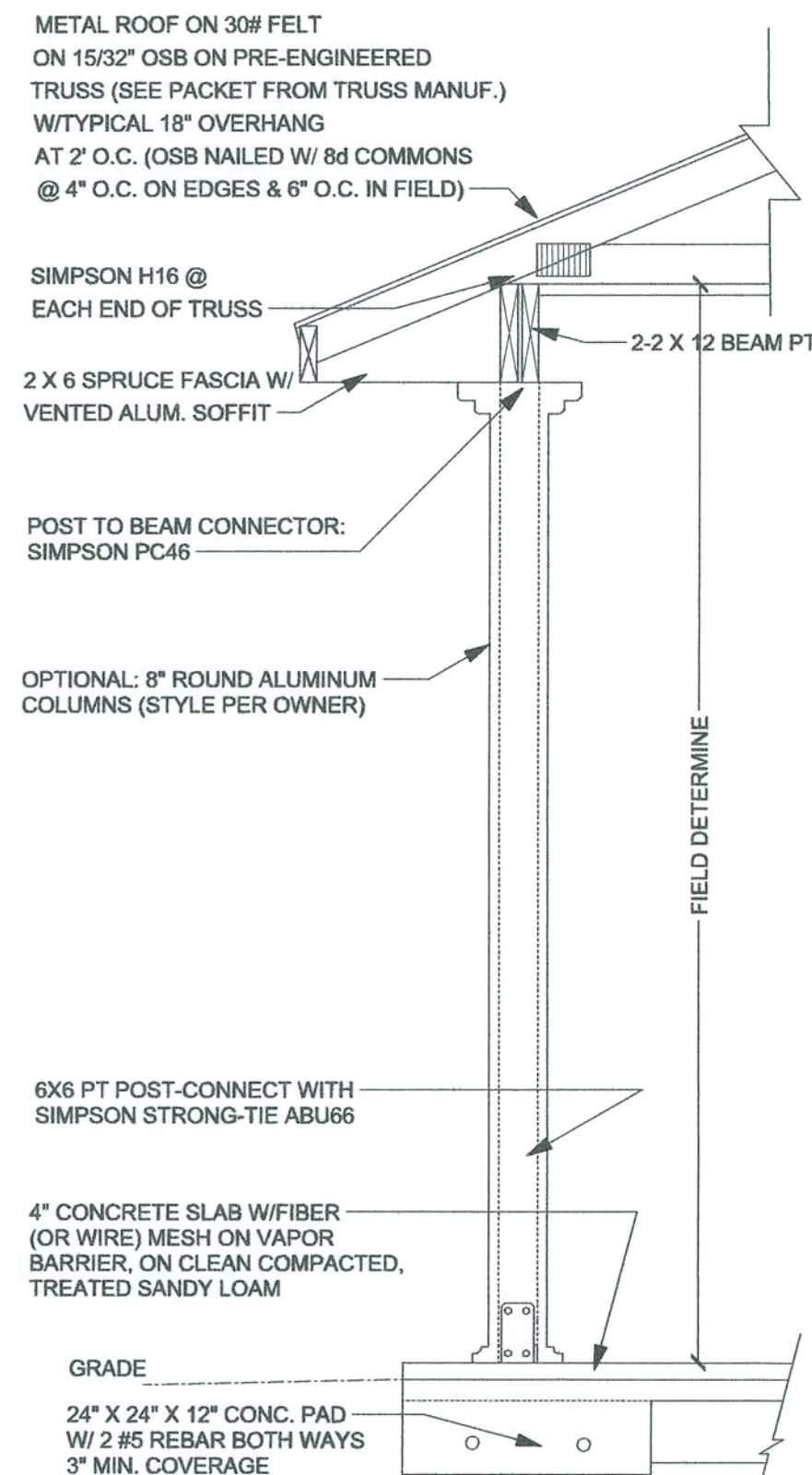


SIMPSON CONNECTOR DETAILS



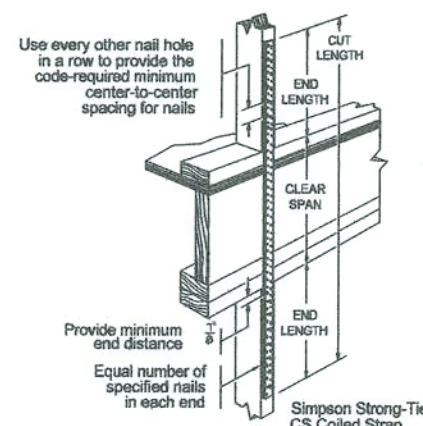
PORCH TYPICAL SECTION

SCALE: NTS



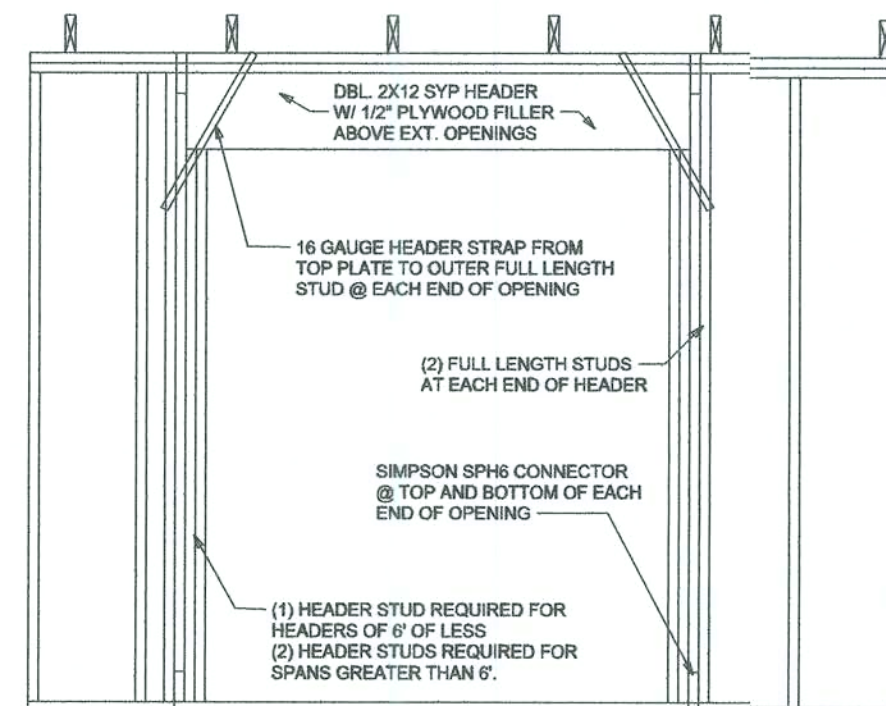
FLOOR TO FLOOR CONNECTION DETAIL

22-8d NAILS - END LENGTH: 14"
CUT LENGTH: CLEAR SPAN + 31"
26-10d NAILS - END LENGTH: 11"
CUT LENGTH: CLEAR SPAN + 25"



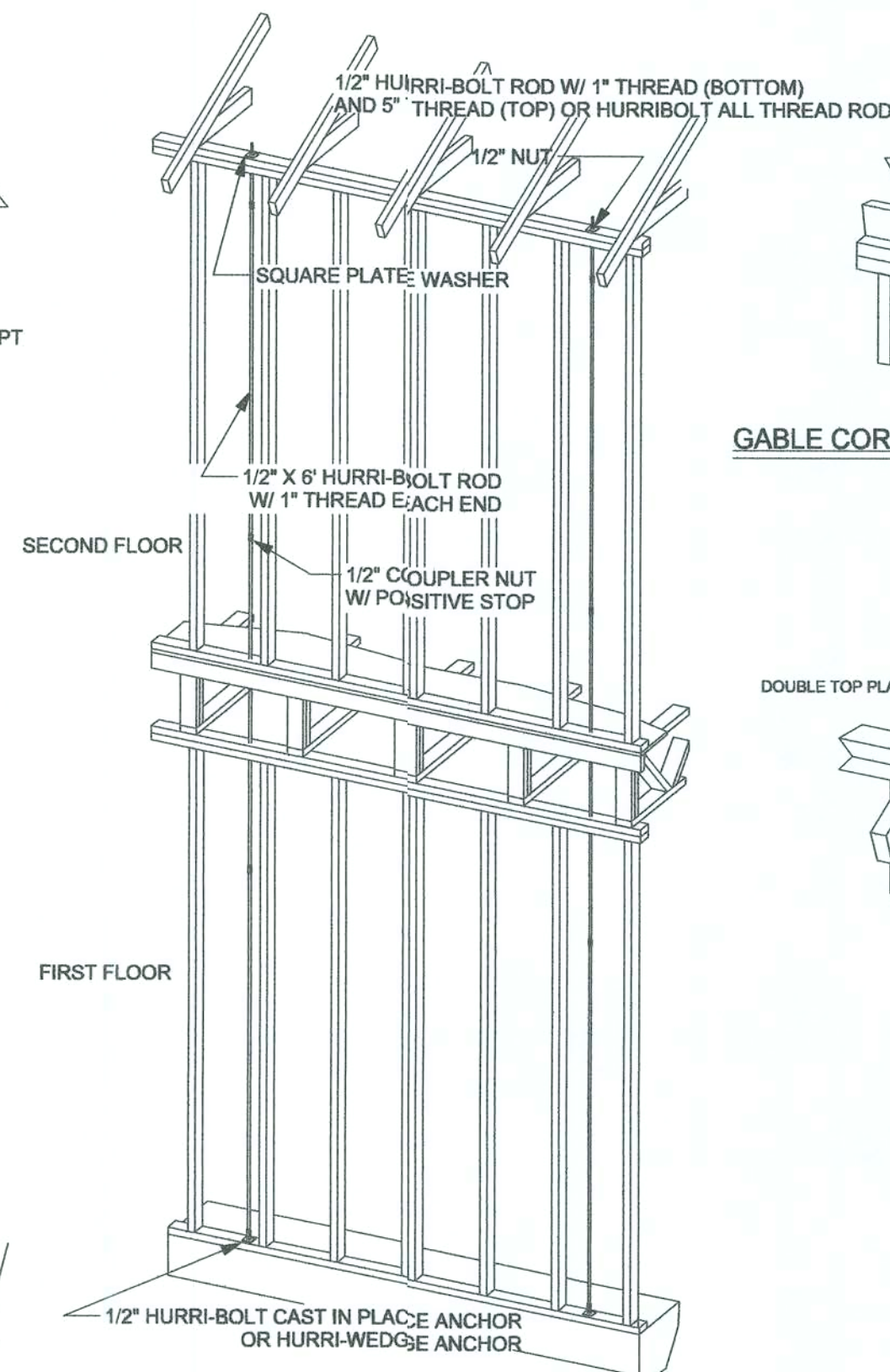
TYPICAL FRAMING & UPLIFT CONNECTION FOR OPENINGS

NOT TO SCALE



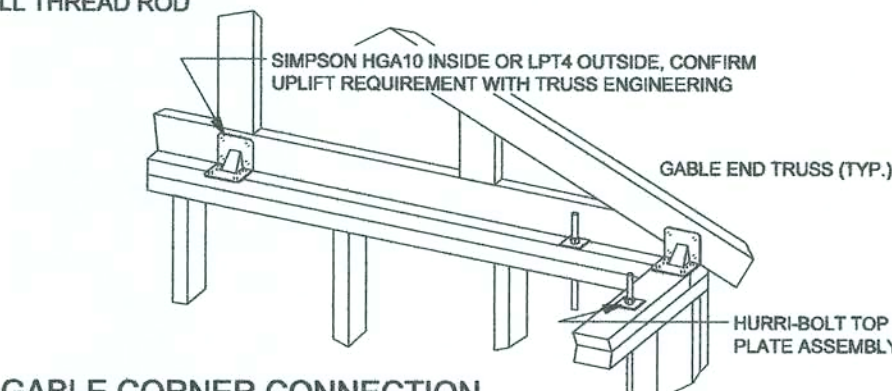
OPTIONAL ANCHORING SYSTEM

TRUSS TO TOP PLATE CONNECTOR REQUIRED EACH TRUSS

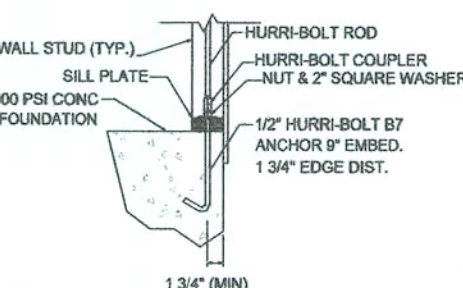
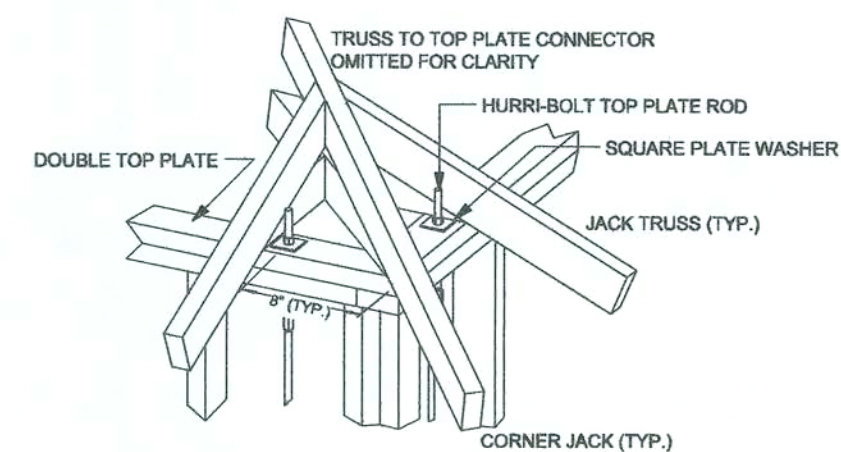


NOTE: ADHERE TO HURRI-BOLT INSTALLATION DETAILS/INSTRUCTIONS. <http://www.hurri-bolt.com/>
IMPROPER INSTALLATION MAY RESULT IN ADVERSE EFFECTS.

GABLE CORNER CONNECTION



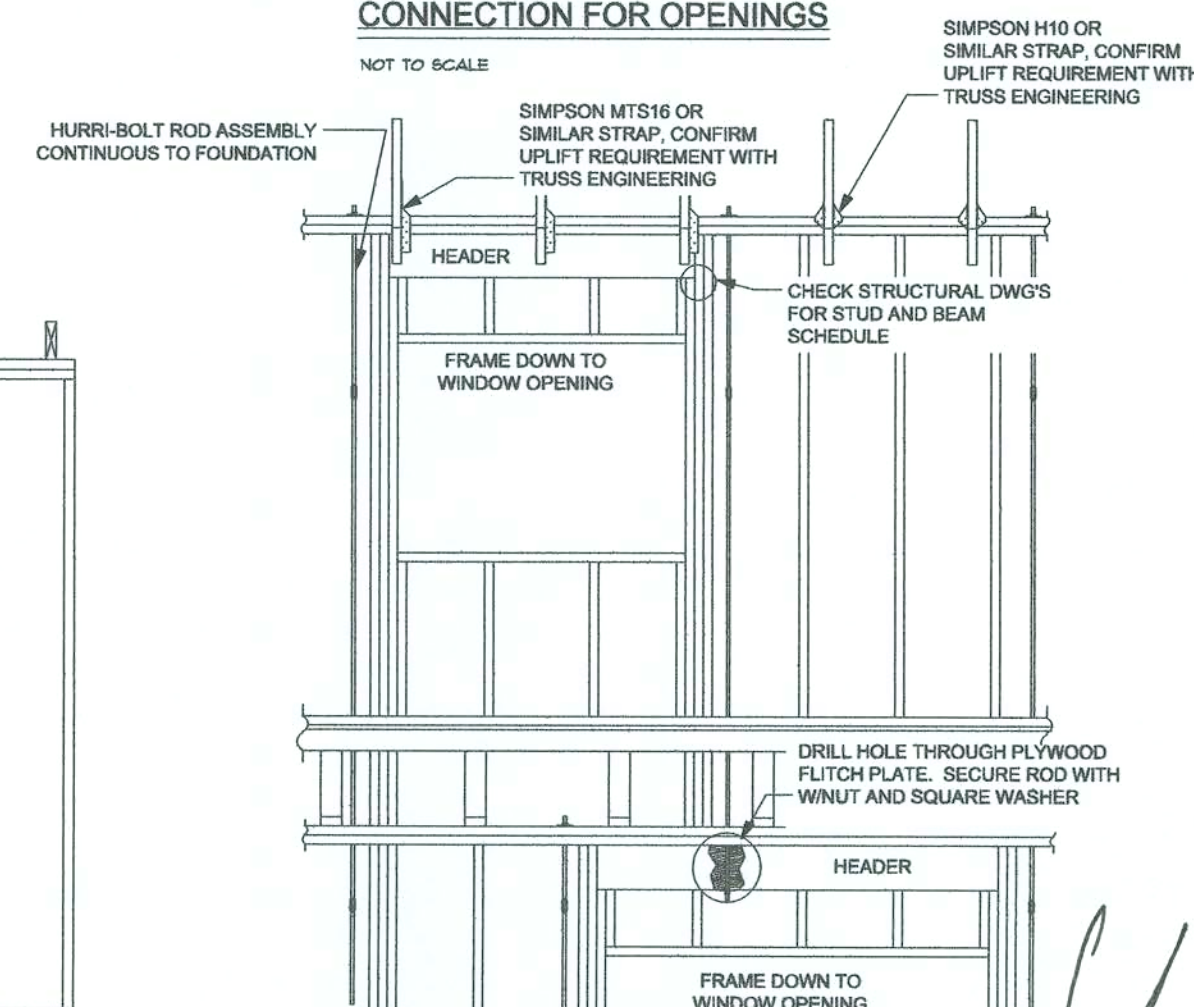
HIP CORNER CONNECTION



OPTIONAL FOUNDATION CONNECTION

OPTIONAL FRAMING & UPLIFT CONNECTION FOR OPENINGS

NOT TO SCALE



HE IS THE
CHIEF
CORNERSTONE

SKY DESIGNS

January 6, 2006
119 SW John Street
Live Oak, FL 32064
Phone: 386-208-1340
E-Mail: skydesigns@att.net

A RESIDENCE FOR:
DILIP & PRIYA KAPADIA

GTC
DESIGN GROUP

Gary Gill, P.E.
LUCYBAY Architects
130 West Howard Street
Live Oak, FL 32064
Phone: 386-362-3678

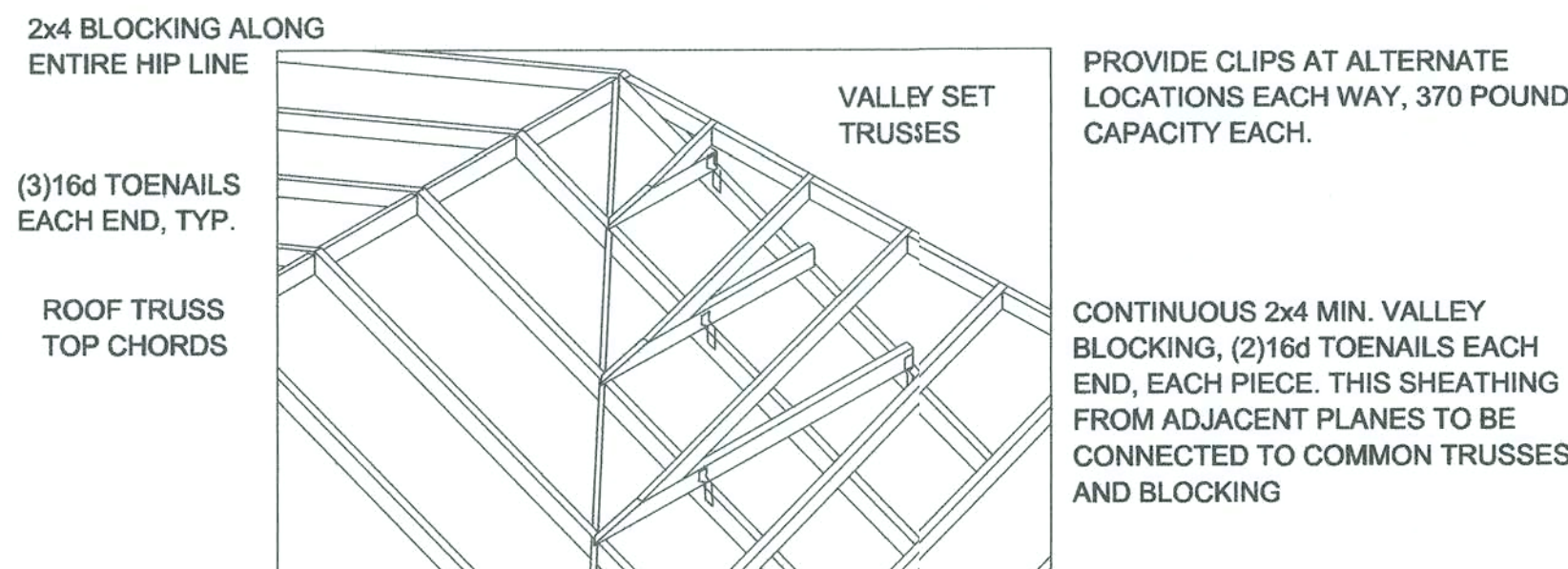
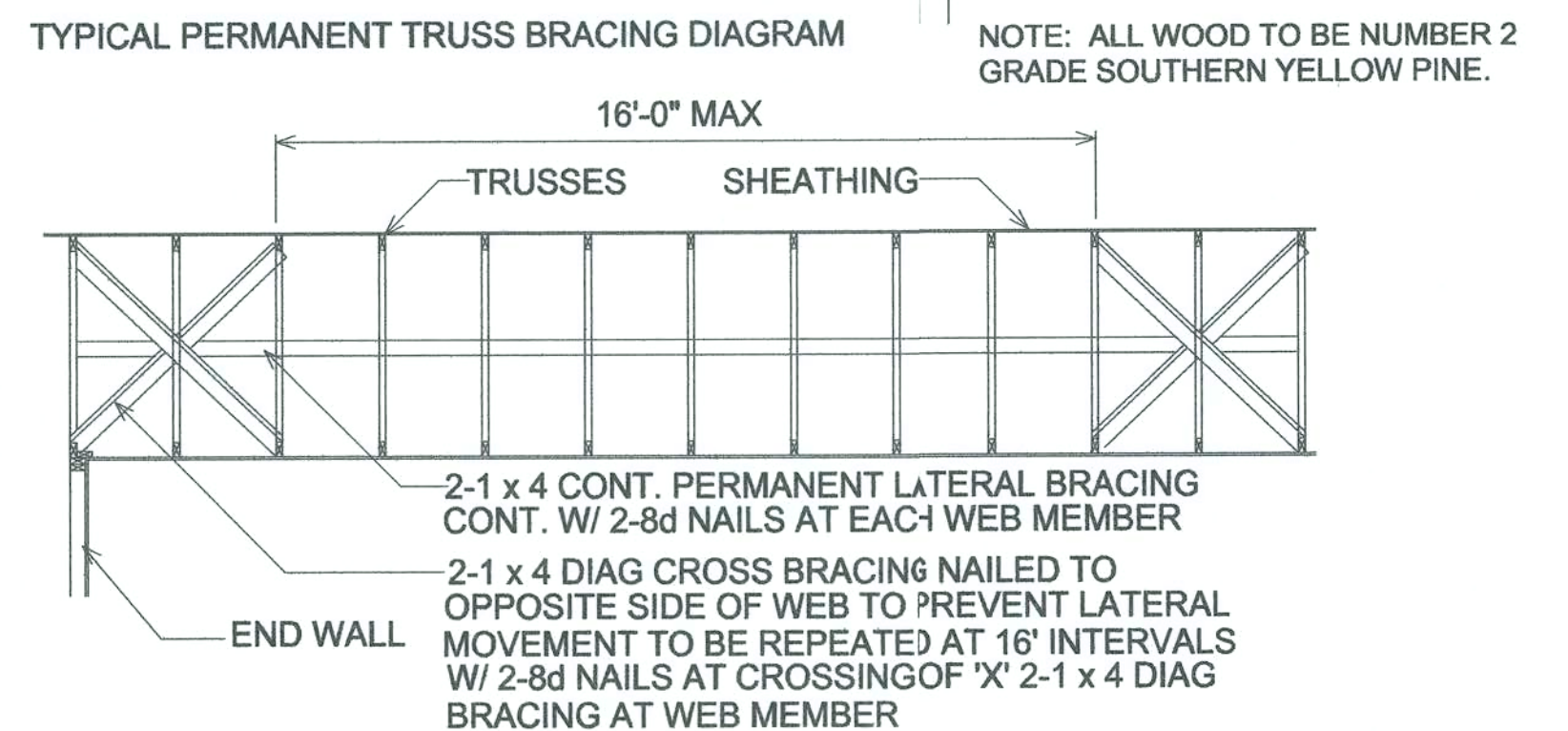
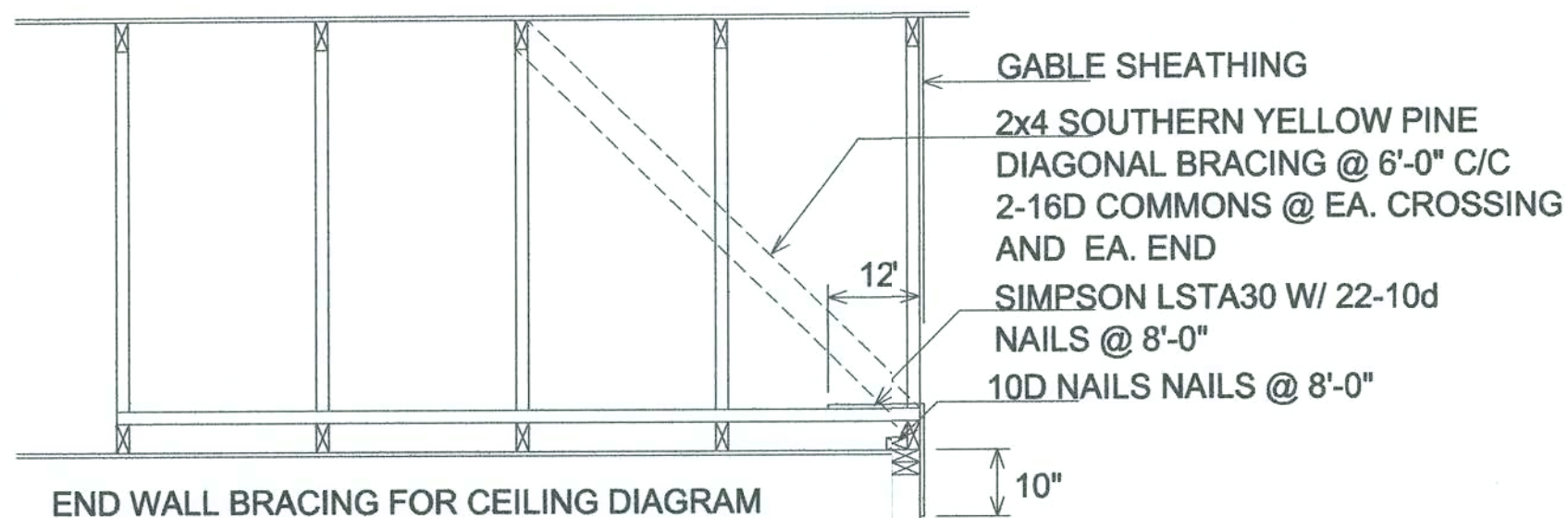
DETAIL 1
Date: 2/1/06

Sheet Number:
9

Drawn By: JSJ

Scale: 1/4" = 1'

3/22/06



NOTE: DOORS/WINDOWS TO BE EQUAL
 OR BETTER. REFER TO OPENING SPECS
 PROVIDED BY OTHERS

BETTERBILT
 PRODUCT CATEGORY: WINDOWS
 SUB CATEGORY: SINGLE HUNG

PRODUCT	STATE OF FL APPROVAL#
SINGLE HUNG	FL-0663, 2786
FIXED	FL-0676
DOUBLE HUNG	FL-0667, 0684

RELIABILT
 PRODUCT CATEGORY: DOORS
 SUB CATEGORY: EXTERIOR

PRODUCT	STATE OF FL APPROVAL#
ENTRY DOOR	FL-1031, 1034

PELLA CORP.
 PRODUCT CATEGORY: DOOR
 SUB CATEGORY: SWINGING

PRODUCT	STATE OF FL APPROVAL#
ALUM FRENCH	FL-0429
ENTRY DOOR	FL-1121.1

DESIGN LOADS

- LIVE LOAD = 20 PSF
- DEAD LOAD = 10 PSF
- WIND LOADS
 BASIC WIND SPEED = 110 MPH (3 SEC GUST)
 IMPORTANCE (I) = 1.0
 WIND EXPOSURE = "B"
 INTERNAL PRESSURE = +/- 0.18

COMPONENT AND CLADDING WIND LOAD
 WINDOWS/DOORS: 21.77/-23.61
 ROOFING: 12.54/-19.92

SIMPSON ANCHOR SYSTEMS
 PRODUCT CATEGORY: STRUCTURAL COMPONENT
 SUB CATEGORY: WOOD CONNECTORS ANCHORS
 MANUFACTURER: SIMPSON STRONG-TIE CO.

PRODUCT	STATE OF FL APPROVAL#	EXPIRATION DATE
ACRYLIC TIE (AT)	FL-2304.1	4-20-06
DROP-IN (DIA)	FL-0402.1	10-01-05
ET EPOXY	FL-0402.2	10-01-05
SET EPOXY	FL-0402.3	10-01-05
SLEEVE ANCHOR	FL-0402.5	10-01-05
TITEN HD (THD)	FL-2304.2	4-20-06
TITEN (TTN)	FL-2355.1	PENDING
WEDGE ANCHOR	FL-0402.4	10-01-05

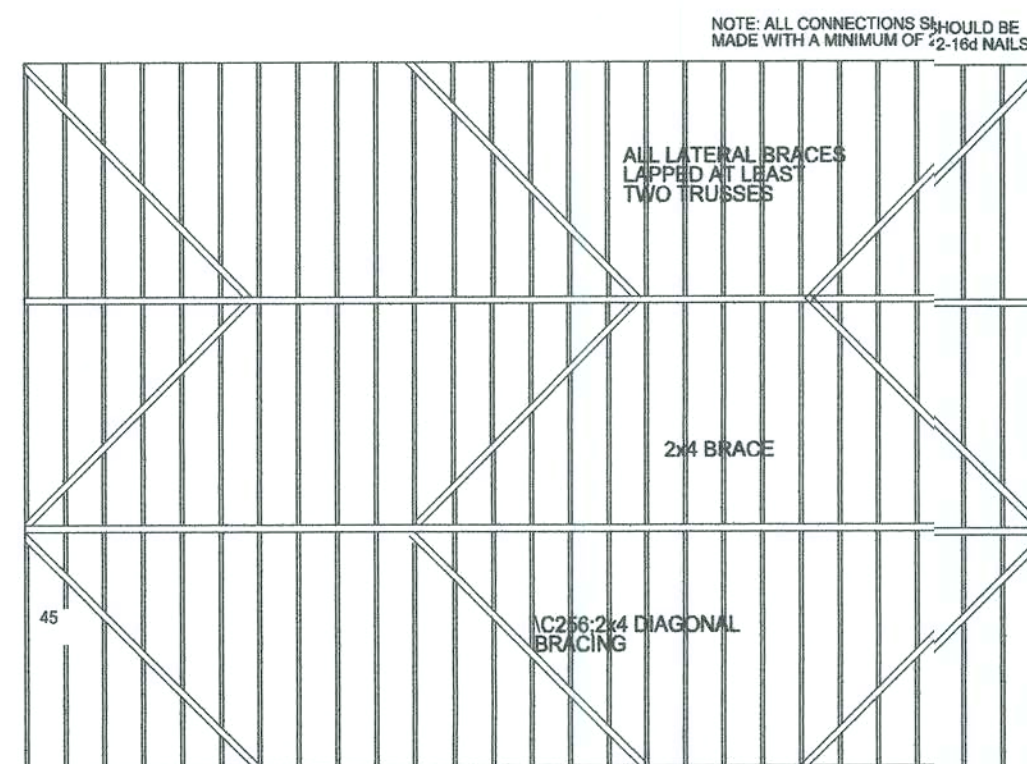
SHEATHING NOTES:

- ROOF SHEATHING TO BE WOOD STRUCTURAL PANEL RATED SHEATHING OR BETTER, EXPOSURE 1
- ROOF SHEATHING SHALL BE 7/16", 15/32" THICKNESS OR GREATER
- ROOF TRUSSES @ 24" O.C. MINIMUM

NAILING PATTERN

- ZONE 1 12" O.C. MAX IN FIELD, 6" O.C. MAX PANEL EDGES
 ZONE 2 6" O.C. MAX IN FIELD AND AT EDGES

NAILS SHALL BE 8d COMMON FOR 7/16" & 15/32"
 10d COMMON FOR 1/2", 19/32" & 5/8"



GENERAL NOTES

SPECIFICATIONS

DESIGN, MATERIAL, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS, UNLESS OTHERWISE MODIFIED ON THE DRAWINGS:

ASCE 7 MINIMUM DESIGN LOAD FOR BUILDINGS & OTHER STRUCTURES.
 ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
 ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.

ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
 CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING STEEL.
 ACI 530/ASCE 5/TMS 402 BUILDING CODE FOR MASONRY STRUCTURES
 2001 FLORIDA BUILDING CODE 2002 REV.

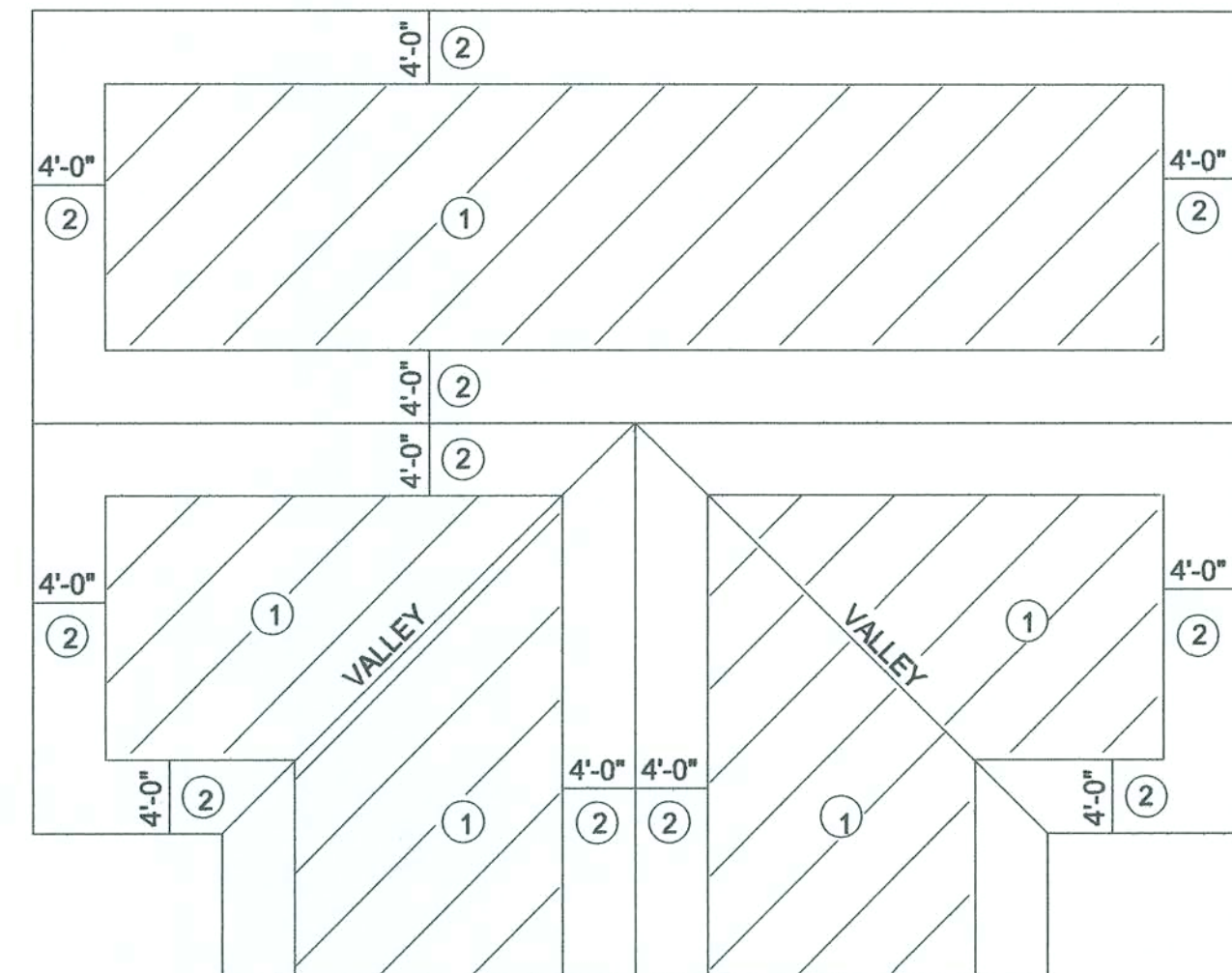
BUILDING MATERIAL

1. ROOF

- ROOF SHEATHING SHALL BE 15/32 APA RATED SHEATHING NAILED W/ 8d COMMON NAILS SPACED 6" MAXIMUM AT SUPPORTED EDGES. SPACE NAILS MAXIMUM 12" ALONG INTERMEDIATE FRAMING MEMBERS. FASTENERS SHALL BE LOCATED 3/8" FROM PANEL EDGES. MINIMUM NAIL PENETRATION SHALL BE 1 3/8" TYP.
- NAIL SPACING SHALL BE 4" O.C. WITH 8d COMMON NAILS ALONG ROOFING MEMBER OVER GABLE END TRUSS.
- PER APA, STRUCTURAL DIAPHRAGM CAPACITY = 2410 plf (NOT INCLUDING 40% INCREASE PER FBC 2313.2.4.

SIMPSON CONNECTOR SCHEDULE

TYPE	UPLIFT CAPACITY (LBS)	LATERAL CAPACITY (LBS)	LOCATION
LTA1	1,470	1250 PAR/350 PERP	TRUSS TO BLOCK
H3.0	455	180 PAR/125 PERP	TRUSS TO BEAM
HETA20	1,880	750 PAR/335 PERP	GABLE END CONNECTION
ABU66	2,300	-/-	POST TO BEAM
AC66	1,430	-/715 PERP	POST TO CONCRETE



2. TRUSSES

- TRUSSES SHALL BE PRE-ENGINEERED ACCORDING TO DESIGN LOAD.
- TRUSSES SHALL BE BRACED PER TRUSS PLATE INSTITUTE (TPI) HIB-91. SEE DRAWING S-2 FOR DETAILS.

3. INTERIOR FINISHES

- ALL GYPSUM BOARD SHALL HAVE A MINIMUM THICKNESS OF 5/8"
- GYPSUM BOARD ON WALL SHALL BE ATTACHED WITH 1 3/8" DRYWALL NAILS @ 8" O.C.
- GYPSUM BOARD ON CEILING (FIRE RATED) SHALL BE ATTACHED 1 3/8" DRYWALL NAILS @ 7" O.C.

4. MASONRY WALLS

- ASSUMED MAXIMUM COMPRESSIVE STRENGTH = 1500 psi (GROUTED HOLLOW CONCRETE UNITS - GRADE N)
- VERTICAL REINFORCING IN WALLS SHALL BE #5 RE-BAR SPACED 48" OC (TYP).
- HORIZONTAL REINFORCING IN WALLS SHALL BE LADDER TYPE JOINT REINFORCING 9 GAUGE WIRE
- THE REINFORCING SHALL BE A MINIMUM GRADE 40.
- PROVIDE CLEANOUTS IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR, WHEN THE GROUT POUR EXCEEDS 5 FT. CONSTRUCT CLEANOUTS ADJACENT TO EACH VERTICAL BAR.

5. CONCRETE FOOTINGS AND SLABS

- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSF IN 28 DAYS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 40.
- WELDED WIRE MESH SHALL CONFORM TO ASTM A185.
- PROVIDE A MINIMUM COVER OF 3" FOR REINFORCING STEEL WHEN THE CONCRETE IS PLACED DIRECTLY AGAINST THE GROUND. CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE A MINIMUM COVER OF 1 1/2" INCHES.

- WELDED WIRE FABRIC SHALL HAVE A MINIMUM YIELD STRENGTH OF 65,000 psi.
- MINIMUM WWF FOR SLAB ON GRADE SHALL BE 6x6-W1.4x1.4

- A VAPOR RETARDER CONSISTING OF 6 MIL MINIMUM POLYETHYLENE WITH JOINTS LAPPED 6 INCHES AND SEALED WITH 2" APPROVED TAPE OR MASTIC, OR OTHER APPROVED MATERIALS HAVING A MAXIMUM PERM RATING OF 0.5

6. SOIL PREPARATION AND PROPERTIES

- AREA UNDER FOOTINGS, FOUNDATIONS, AND CONCRETE SLABS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATTERS SHALL BE REMOVED TO THEIR CONSTRUCTION.
- FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL
- ALLOWABLE BEARING PRESSURE = 1500 psf

7. WINDOWS

- ONE WINDOW/BEDROOM SHALL BE AN ESCAPE & RESCUE WINDOW THAT MEETS EGRESS REQUIREMENTS

HE IS THE
 CHIEF
 CORNERSTONE

SKY DESIGNS
 January S. Jamigan
 119 Bill John Street
 Live Oak, FL 32064
 Phone: 386-206-1340
 E-Mail: skydesigns@aol.net

A PROJECT FOR:
 DILIP & PRIYA KAPADIA

STRUCTURAL ENGINEER
GTC DESIGN GROUP
 Gary Gill, P.E.
 Lic#19142 Auth#9461
 150 West Howard Street
 Live Oak, FL 32064
 Phone: 386-365-5616

DETAIL 2

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