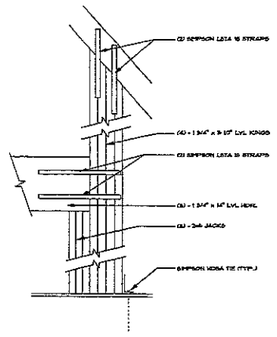


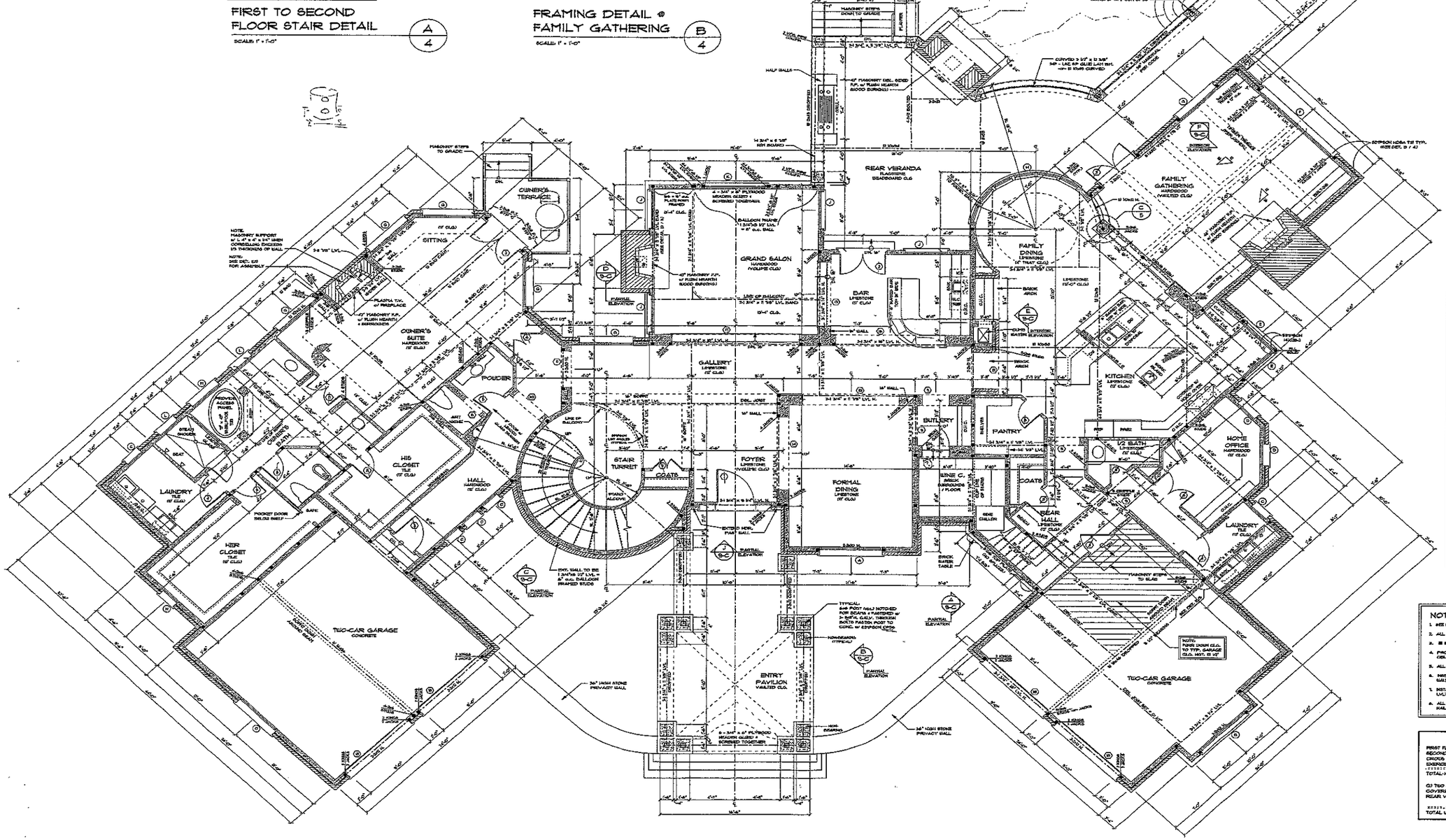
FIRST TO SECOND
FLOOR STAIR DETAIL — A/4

SCALE: 1" = 1'-0"



FRAMING DETAIL @
FAMILY GATHERING — B/4

SCALE: 1" = 1'-0"



FIRST FLOOR PLAN

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

Door Schedule

	Size	Description
		FIRST FLOOR + POOL HOUSE
1	4'-0" x 10'-0"	EXTERIOR SOLID WOOD 1/2 ROUND (SEE FRONT ELEVATION)
2	2'-0" x 8'-0"	EXTERIOR DBL. FRENCH w/ 30" TRANSOM
2a	2'-0" x 8'-0"	EXTERIOR 30 min. FIRE RATED DOOR (TWO PANEL, TO MATCH OTHERS)
3	2'-8" x 10'-0"	SINGLE TWO PANEL WOOD DOOR
3a	3'-0" x 10'-0"	SINGLE TWO PANEL WOOD DOOR
4	7'-0" x 10'-0"	DBL. T/PNLED. (OPTIONAL FRENCH)
5	3'-1"x8" x 10'-0"	DOUBLE TWO PANEL WOOD DOOR
6	3'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
7	3'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
8	4'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
9	4'-6" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
10	4'-10" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
11	8'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
12	9'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
13	10'-6" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
14	12'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
15	16'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
16	9'-0" x 8'-0"	OVER HEAD GARAGE DOOR
17		
		SECOND FLOOR + GROSS NEST
100	3 - 2'-6" x 8'-0"	EXTENSION TWIN FRENCH DOOR
101	3'-6" x 8'-0"	SINGLE TWO PANEL WOOD DOOR
102	3'-4" x 8'-0"	SINGLE TWO PANEL WOOD DOOR
103	3'-0" x 8'-0"	SINGLE TWO PANEL WOOD DOOR
104	3'-0" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
105	4'-6" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
106	6'-0" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
107	4 - 2'-6" x 8'-0"	EXT. GLAD FRENCH w/ SIA. SIDE FIXED + 1/2" ROUND TRIM. (SEE REAR ELEV.)
108		

Window Schedule

	Size	Description
		FIRST FLOOR + POOL HOUSE
A	3 - 3'-0" x 6'-0"	TRIPLE CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
B	3 - 3'-0" x 6'-0"	TRIPLE CSM. w/ 4 1/2" STUD POCKETS
C	3'-0" x 6'-0"	SINGLE CASEMENT w/ 30" TRANSOM
C1	3'-0" x 3'-0"	SINGLE CASEMENT w/ 24" TRANSOM
D	3 - 3'-0" x 11'-6"	TWIN CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
E	4 - 3'-0" x 6'-0"	QUAD CASEMENT w/ MULLIONS + 1/2 ROUND TRIM. w/ 4 1/2" S.P. (SEE REAR ELEV.)
G	3 - 3'-0" x 6'-0"	TWIN CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
I	6 - 3'-0" x 6'-0"	CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
J	3 - 3'-0" x 6'-0"	TWIN CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
K	3 - 3'-0" x 6'-0"	TWIN CASEMENT w/ STACKED TRANSOMS w/ 4 1/2" S.P. (SEE REAR ELEV.)
L	3'-0" x 1'-8"	FIXED TRANSOM
N	2'-0" x 6'-0"	CUSTOM LEADED GLASS (CT. CIRCLE)
M	1'-0" x 1'-8"	FIXED TRANSOM
O	2 - 3'-0" x 6'-0"	TWIN CASEMENT w/ 4 1/2" STUD POCKETS
P	6 - 3'-0" x 6'-0"	QUAD CASEMENT w/ 30" TRANSOM w/ 4 1/2" STUD POCKETS
WP	2'-0" x 6'-0"	TWIN CASEMENT w/ 30" TRANSOM
		SECOND FLOOR + GROSS NEST
R	6 - 3'-0" x 5'-6"	FIXED CASEMENT w/ 4 1/2" STUD POCKETS
W	3'-0" x 5'-0"	SINGLE CASEMENT w/ 18" TRANSOM
T	1'-6" x 5'-0"	FIXED CASEMENT w/ 18" TRANSOM
V	3'-0" x 4'-6"	FIXED ARCHED TOP CASEMENT
U	4 - 3'-0" x 5'-0"	FIXED QUAD C.M. w/ 4 1/2" STUD POCKETS
V	2 - 1'-6" x 5'-0"	TWIN FIXED CASEMENT w/ 4 1/2" S.P.
W	3'-0" x 4'-0"	SINGLE FIXED CASEMENT
X	4 - 3'-0" x 6'-0"	QUAD CASEMENT w/ 4 1/2" STUD POCKET w/ BURGLAR HARDWARE
Y	1'-6" x 3'-0"	SINGLE FIXED CASEMENT
Z	3 - 3'-6" x 5'-6"	TWIN CASEMENT w/ 4 1/2" S.P.
AA	6 - 3'-0" x 4'-0"	CASEMENT w/ 4 1/2" STUD POCKET
BB		

NOTE: VERIFY ALL WINDOW SIZES w/ WINDOW MANUFACTURE FOR BURGLAR REQUIREMENTS. SIZES MAY VARY SLIGHTLY, DEPENDING ON MANUFACTURE.

NOTES:

1. SEE SHEET G/4 FOR ADDITIONAL FRAMING NOTES.
2. ALL HEADERS ARE (2) 2x10 #2&BTR NOTED OTHERWISE
3. ⊞ INDICATES POINT LOADS (SEE SHEET G/4.0)
4. PROVIDE 1/2" DRYWALL SEPARATION BETWEEN WALL + CEILING OF HOUSE + GARAGE
5. ALL ANGLES ARE 45d ANGLES NOTED OTHERWISE
6. INSTALL DBL. JOIST UNDER ALL PARALLEL PARTITIONS (WALLS #&BTR NOTED OTHERWISE)
7. INSTALL A MIN. OF (3) 2x4 STUDS UNDER ALL BEAMS, LVLs, OR BUILT-UP, AT THIS FIRST FLOOR LEVEL. (U.N.O.)
8. ALL WALLS TO HAVE 7/16" OSB SHEATHING FASTENED w/ 10 NAILS @ 6" o.c. AROUND EDGES + 12" o.c. IN FIELD

AREA CALCULATION

FIRST FLOOR HEATED	4,897	SQUARE FEET
SECOND FLOOR HEATED	3,338	SQUARE FEET
GROSS NEST HEATED	716	SQUARE FEET
EXERCISE / POOL BATH	670	SQUARE FEET
TOTAL HEATED	9,719	SQUARE FEET
(2) TWO CAR GARAGES	1,216	SQUARE FEET
COVERED ENTRY PAVILION	420	SQUARE FEET
REAR VERANDA	570	SQUARE FEET
TOTAL UNDER ROOF	11,925	SQUARE FEET

ENGINEER:

NORTH CAROLINA PROFESSIONAL SEAL 17119 ENGINEER PETER A. VERNIER, JR.

VERNA ENGINEERING, PLLC.
436 E. 4th St. Suite 300
CHARLOTTE, N.C. 28202

DATE: June 08, 2006

DRAWN BY: TROY SMITH

APPROVED BY:

JOB NUMBER: 2006 - 043

THE POINT

The Shafer Residence

Lot 1321, The point
By
G.M. Heims Construction

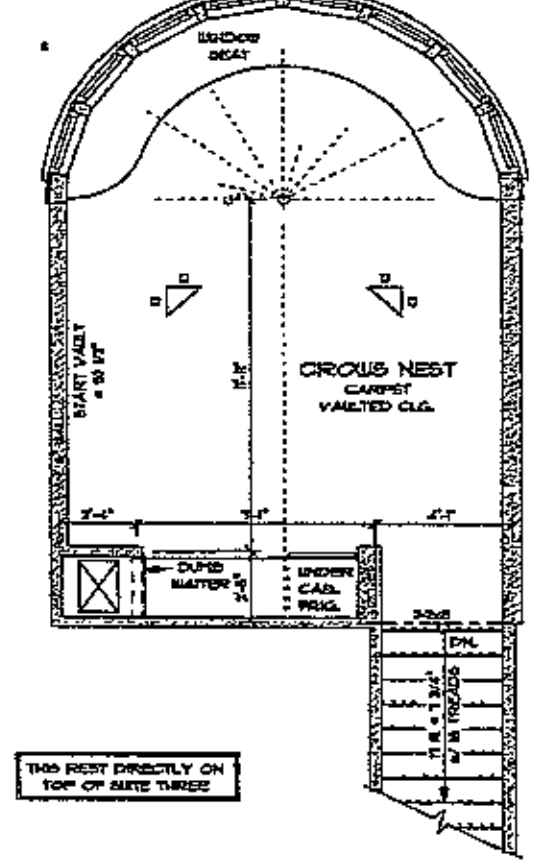
NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD.

PROJECT:

Christopher Phelps & Associates
a residential design firm
225 East Worthington Avenue
Suite 200
Charlotte, NC 28203

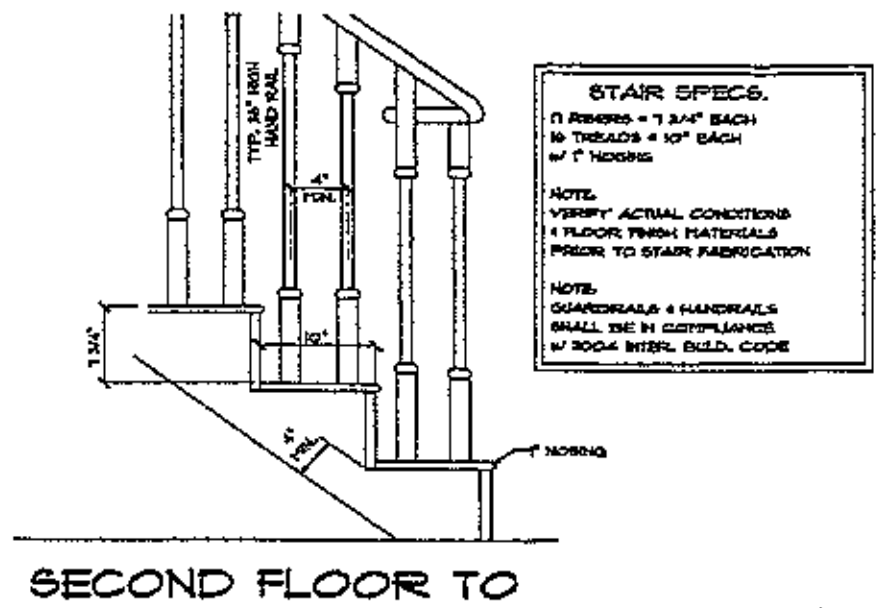
SHEET
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THIRD FLOOR PLAN

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



STAIR SPECS.
17 RISERS = 7 3/4" EACH
16 TREADS = 10" EACH
w/ 1" NOSING

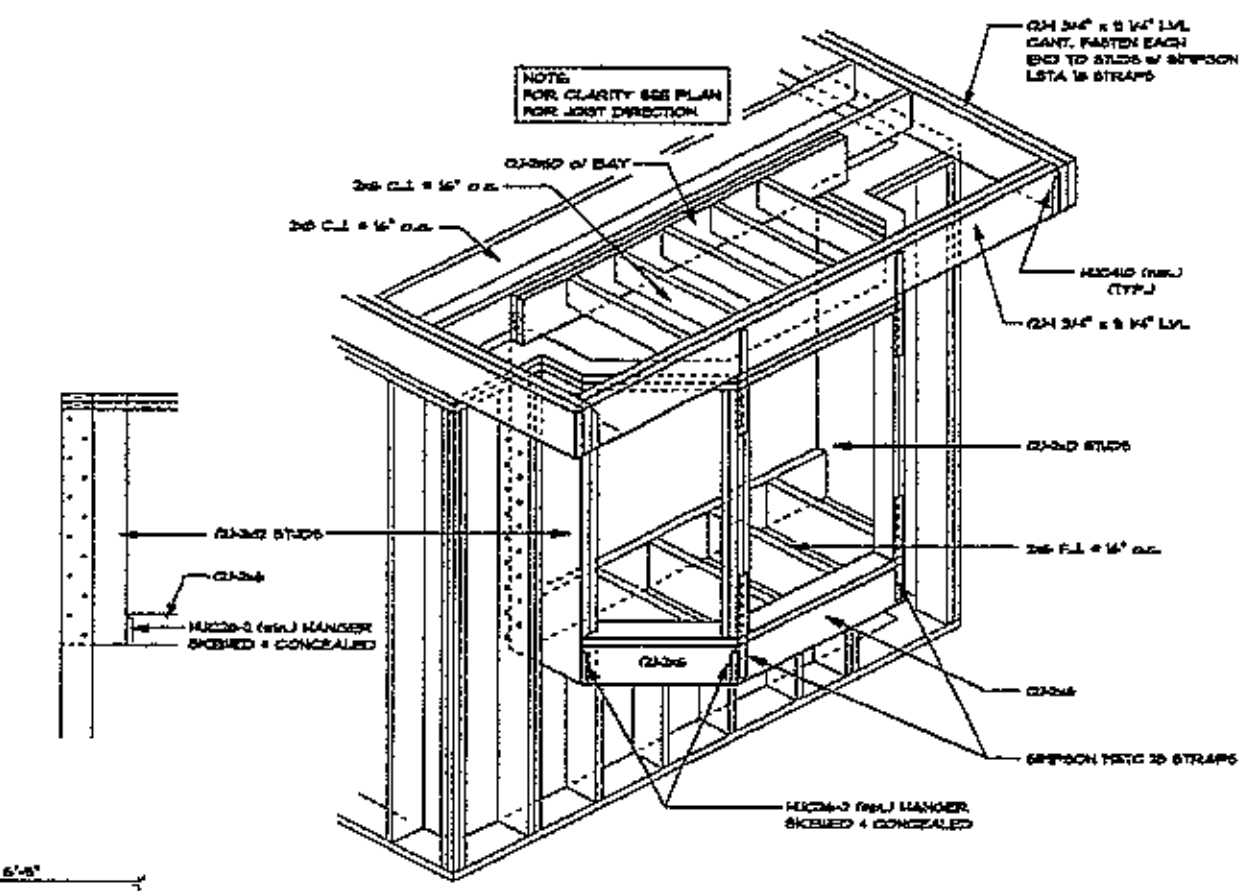
NOTE:
VERIFY ACTUAL CONDITIONS & FLOOR FINISH MATERIALS PRIOR TO STAIR FABRICATION

NOTE:
GUARDRAILS & HANDRAILS SHALL BE IN COMPLIANCE w/ 2004 INTER. BULD. CODE

SECOND FLOOR TO CROWS NEST, STAIR DETAIL

A / 6

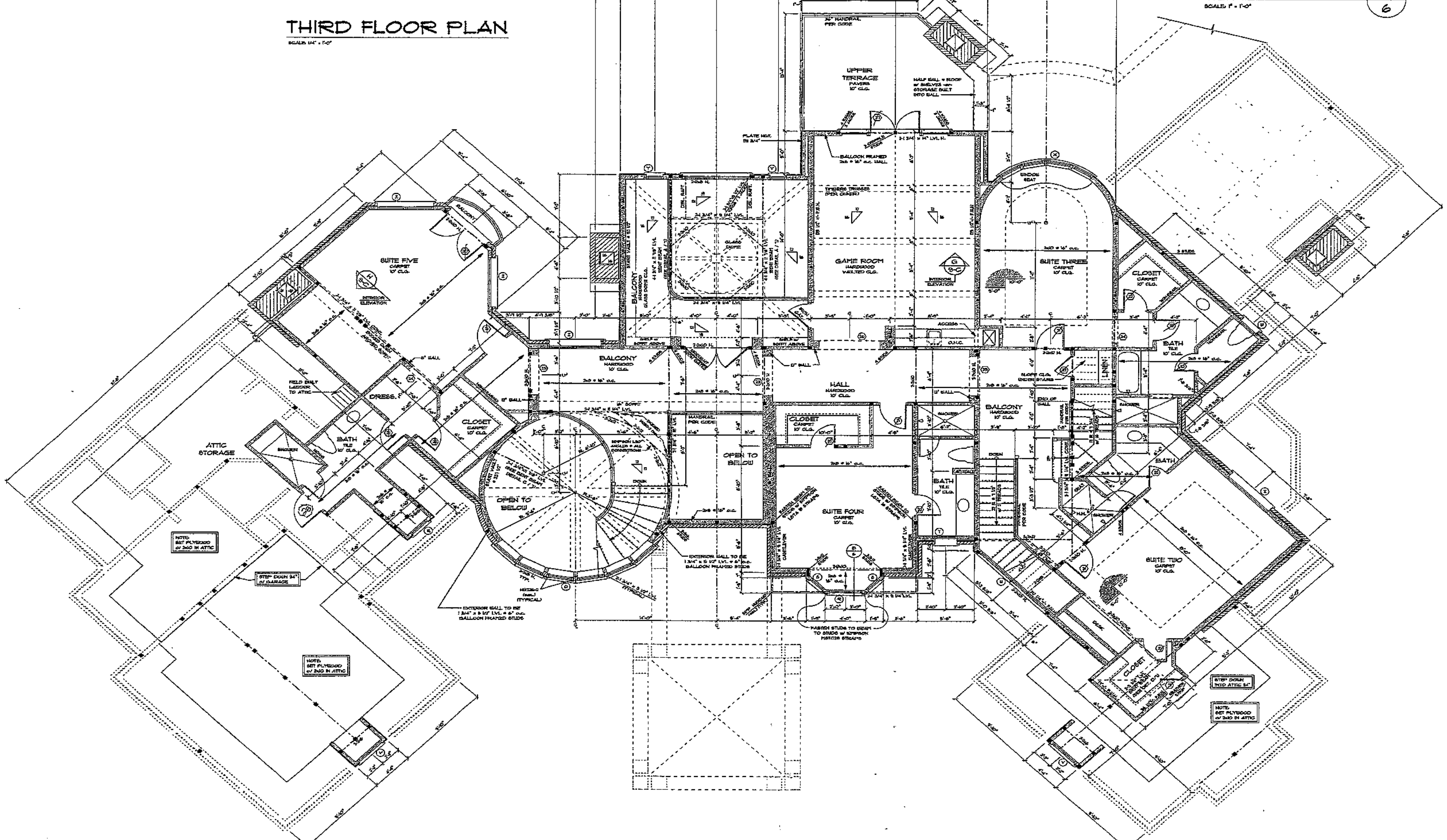
SCALE: 1" = 1'-0"



BAY WINDOW DETAIL

B / 6

SCALE: 1" = 1'-0"



Door Schedule

	Size	Description
	FIRST FLOOR & POOL HOUSE	
1	4'-0" x 10'-0"	EXTERIOR SOLID WOOD 1/2 ROUND (SEE FRONT ELEVATION)
2	2 - 3'-6" x 8'-0"	EXTERIOR DBL. FRENCH w/ 20" TRANSOM
3	3'-0" x 8'-0"	EXTERIOR 20 min. FIRE RATED DOOR (TWO PANEL TO MATCH OTHERS)
4	2'-8" x 10'-0"	SINGLE TWO PANEL WOOD DOOR
5	2'-4" x 10'-0"	SINGLE TWO PANEL WOOD DOOR
6	2 - 2'-0" x 10'-0"	DBL. L.P.W.D. (OPTIONAL FRENCH)
7	2 - 1'-6" x 10'-0"	DOUBLE TWO PANEL WOOD DOOR
8	2'-4" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
9	3'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
10	4'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
11	4'-6" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
12	4'-6" x 10'-0"	ARCHED BRICK OPENING (SEE FLOOR PLAN FOR THICKNESS)
13	8'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
14	9'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
15	10'-6" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
16	12'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
17	14'-0" x 10'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
18	9'-0" x 8'-0"	OVER HEAD GARAGE DOOR
19		
	SECOND FLOOR & CROWS NEST	
20	2 - 2'-6" x 8'-0"	EXTERIOR TWIN FRENCH DOOR
21	2'-8" x 8'-0"	SINGLE TWO PANEL WOOD DOOR 6,5
22	2'-4" x 8'-0"	SINGLE TWO PANEL WOOD DOOR
23	2'-0" x 8'-0"	SINGLE TWO PANEL WOOD DOOR
24	3'-0" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
25	4'-6" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
26	6'-0" x 8'-0"	ARCHED SHEETROCK OPENING (SEE FLOOR PLAN FOR THICKNESS)
27	4 - 2'-6" x 8'-0"	EXT. QUAD FRENCH w/ EA. SIDE FIXED & 1/2 ROUND TRAN. (SEE REAR ELEV.)
28	2-4x8-0	S.T.P. WEATHER 4/3025

Window Schedule

	Size	Description
	FIRST FLOOR & POOL HOUSE	
A	3 - 2'-0" x 6'-0"	TRIPLE CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
B	3 - 2'-0" x 4'-0"	TRIPLE C.M. w/ 4 1/2" STUD POCKETS
C	2'-0" x 6'-0"	SINGLE CASEMENT w/ 20" TRANSOM
D	2'-6" x 5'-0"	SINGLE CASEMENT w/ 24" TRANSOM
E	2 - 2'-0" x 4'-6"	TWIN CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
F	4 - 2'-6" x 6'-0"	QUAD CASEMENT w/ STACKED & 1/2 ROUND TRAN. w/ 4 1/2" S.P. (SEE REAR ELEV.)
G	2 - 2'-6" x 6'-0"	TWIN CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
H	4 - 2'-0" x 6'-0"	CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
J	2 - 2'-0" x 6'-0"	TWIN CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
K	2 - 2'-0" x 6'-0"	TWIN CASEMENT w/ STACKED TRANSOMS w/ 4 1/2" S.P. (SEE REAR ELEV.)
L	2'-6" x 1'-6"	FIXED TRANSOM
M	2'-0" x 4'-0"	CUSTOM LEADED GLASS (BY. OWNER)
N	2'-0" x 1'-6"	FIXED TRANSOM
O	2 - 2'-6" x 6'-0"	TWIN CASEMENT w/ 4 1/2" STUD POCKETS
P	4 - 2'-6" x 6'-0"	QUAD CASEMENT w/ 20" TRANSOM w/ 4 1/2" STUD POCKETS
PP	2'-0" x 4'-6"	TWIN CASEMENT w/ 20" TRANSOM
	SECOND FLOOR & CROWS NEST	
Q	4 - 2'-6" x 3'-6"	FIXED CASEMENT w/ 4 1/2" STUD POCKETS
R	2'-0" x 5'-0"	SINGLE CASEMENT w/ 16" TRANSOM
S	1'-6" x 5'-0"	FIXED CASEMENT w/ 16" TRANSOM
T	2'-0" x 4'-6"	FIXED ARCHED TOP CASEMENT
U	4 - 2'-0" x 3'-0"	FIXED QUAD C.M. w/ 4 1/2" STUD POCKETS
V	2 - 1'-6" x 3'-0"	TWIN FIXED CASEMENT w/ 4 1/2" S.P.
W	2'-0 x 4'-0"	SINGLE FIXED CASEMENT
X	4 - 2'-0" x 6'-0"	QUAD CASEMENT w/ 4 1/2" STUD POCKET (w/ EGRESS HARDWARE)
Y	1'-6" x 2'-0"	SINGLE FIXED CASEMENT
Z	2 - 2'-6" x 5'-6"	TWIN CASEMENT w/ 4 1/2" S.P.
AA	5 - 2'-0" x 4'-0"	CASEMENT w/ 4 1/2" STUD POCKET
BB		

NOTE:
VERIFY ALL WINDOW SIZES w/ WINDOW MANUFACTURE FOR EGRESS REQUIREMENTS. SIZES MAY VARY SLIGHTLY, DEPENDING ON MANUFACTURE.

NOTES:

1. SEE SHEET GN-1 FOR ADDITIONAL FRAMING NOTES.
2. ALL HEADERS ARE (2) 2x10 (UNLESS NOTED OTHERWISE)
3. ■ INDICATES POINT LOADS (SEE SHEET GN-2)
4. PROVIDE 1/2" DRYWALL SEPARATION BETWEEN WALL & CEILING OF HOUSE & GARAGE
5. ALL ANGLES ARE 45° (UNLESS NOTED OTHERWISE)
6. INSTALL DBL. JOIST UNDER ALL PARALLEL PARTITIONS WALLS (UNLESS NOTED OTHERWISE)
7. INSTALL A MIN. OF (2) 2x4 STUDS UNDER ALL BEAMS, LVL'S, OR BUILT-UP, AT THE FIRST FLOOR LEVEL (U.N.O.)
8. ALL WALLS TO HAVE 7/16" OSB SHEATHING FASTENED w/ 8d NAILS @ 6" o.c. AROUND EDGES & 12" o.c. IN FIELD

AREA CALCULATION

FIRST FLOOR HEATED	4,897	SQUARE FEET
SECOND FLOOR HEATED	2,935	SQUARE FEET
CROWS NEST HEATED	216	SQUARE FEET
EXERCISE / POOL BATH	610	SQUARE FEET
TOTAL HEATED	8,718	SQUARE FEET
(2) TWO CAR GARAGES	1,215	SQUARE FEET
COVERED ENTRY PAVILION	400	SQUARE FEET
REAR VERANDA	970	SQUARE FEET
TOTAL UNDER ROOF	11,303	SQUARE FEET

SECOND FLOOR PLAN

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

ENGINEER:
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 1718 PETER J. VERNA, JR. 6/17/05

VERNA ENGINEERING, P.C.
425 E. 4th St. SUITE 200
CHARLOTTE, N.C. 28202

DATE: June 08, 2005

DRAWN BY: TROY SMITH

APPROVED BY:

JOB NUMBER: 2006 - 043

THE POINT

PROJECT:

The Shafer Residence

Lot 1327, The point
By
G.M. Helms Construction

NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD.

Christopher Phelps & Associates
a residential design firm
225 East Worthington Avenue
Suite 200
Charlotte, NC 28203

SHEET
6
14

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