

POST DATA - TJI PRO 360										
LIVE LOAD: 30 LBS.			PERIMETER PIERING REQUIRED							
LBL	LOCATION	UNIT	POST L	HEIGHT	BEARING	POST	PIER L*	BEAM	D	CLEAR SPAN
A		A	787	108	1.75	32	1600	TJI	16"	7'-7 1/8"
A		B	787	108	1.75	32		TJI	16"	7'-7 1/8"
B	8'-7 5/8"	A	3587	108	1.75	6	7200	TJI	16"	12'-1 1/8"
B	8'-7 5/8"	B	3587	108	1.75	6		TJI	16"	12'-1 1/8"
C	20'-11 3/4"	A	1321	108	1.75	2	8500	TJI	16"	
C	20'-11 3/4"	B	1321	108	1.75	2		TJI	16"	
D	20'-11 3/4"	B	2916	108	1.75	5		LSL	16"	20'-7 1/2"
D	20'-11 3/4"	A	2916	108	1.75	5		LSL	16"	20'-7 1/2"
E	42'-10 1/4"	A	2916	108	1.75	5	7600	LSL	16"	
E	42'-10 1/4"	B	2916	108	1.75	5		LSL	16"	
F	42'-10 1/4"	A	883	108	1.75	2		TJI	16"	8'-5 3/4"
F	42'-10 1/4"	B	883	108	1.75	2		TJI	16"	8'-5 3/4"
G	51'-7"	A	2858	108	1.75	5	5800	TJI	16"	7'-6"
G	51'-7"	B	2858	108	1.75	5		TJI	16"	7'-6"
H	60'-0"	A	931	108	1.75	32	1900	TJI	16"	
H	60'-0"	B	931	108	1.75	32		TJI	16"	
LIVE LOAD: 40 LBS. 40			PERIMETER PIERING REQUIRED							
LBL	LOCATION	UNIT	POST L	HEIGHT	BEARING	POST	PIER L*	BEAM	D	CLEAR SPAN
A		A	1356	108	1.75	32	2800	TJI	16"	7'-10 1/8"
A		B	1356	108	1.75	32		TJI	16"	7'-10 1/8"
B	8'-7 5/8"	A	2066	108	1.75	4	4200	TJI	16"	3'-9 1/4"
B	8'-7 5/8"	B	2066	108	1.75	4		TJI	16"	3'-9 1/4"
C	13'-0 3/8"	A	3092	108	1.75	5	6200	TJI	16"	10'-0 7/8"
C	13'-0 3/8"	B	3092	108	1.75	5		TJI	16"	10'-0 7/8"
D	23'-5 3/4"	A	1438	108	1.75	3	9400	TJI	16"	
D	23'-5 3/4"	B	1438	108	1.75	3		TJI	16"	
E	23'-5 3/4"	A	3229	108	1.75	5		LSL	16"	18'-1 1/2"
E	23'-5 3/4"	B	3229	108	1.75	5		LSL	16"	18'-1 1/2"
F	42'-10 1/4"	A	3229	108	1.75	5	8700	LSL	16"	
F	42'-10 1/4"	B	3229	108	1.75	5		LSL	16"	
G	42'-10 1/4"	A	1104	108	1.75	2		TJI	16"	8'-5 3/4"
G	42'-10 1/4"	B	1104	108	1.75	2		TJI	16"	8'-5 3/4"
H	51'-7"	A	3573	108	1.75	6	7200	TJI	16"	7'-4 1/2"
H	51'-7"	B	3573	108	1.75	6		TJI	16"	7'-4 1/2"
I	60'-0"	A	1164	108	1.75	32	2400	TJI	16"	
I	60'-0"	B	1164	108	1.75	32		TJI	16"	
* EMPTY PIER LOAD IS COMBINED IN NUMBER ABOVE										
CLEAR SPAN IS FROM EDGE OF POST TO EDGE OF ADJACENT POST ON THE SAME SECTION										

DOOR SCHEDULE						
SYMBOL	SIZE	DESCRIPTION			GLAZ	VENT U VALUE
3480	34 x 80	COTTAGE			4.01	0.47
3880	38 x 80	BLANK-INSWING				0.28

WINDOW SCHEDULE					
SYMBOL	SIZE	DESCRIPTION	GLAZ	VENT	AREA
V4054VS	40 x 54	V. SLIDER	12.16	6.07	15.13
V3054VS	30 x 54	V. SLIDER	8.82	3.89	11.37
A3442PB	34 x 42	PICTURE BLOCK	7.10		10.32
V3036VS	30 x 36	V. SLIDER	5.55	2.65	7.67

SHEAR WALL DATA											
WIND ZONE: 1											
LABEL	UNIT	WALL	PANEL	TYPE	ACT.LENGTH	REQ.LENGTH	NOTE	ACT.TRIB**	REQ.TRIB	JNS	SWHT
A	B	1	1SG	E	55"	78 7/8"	3 x 26 ga STRAP	30'-1"	20'-8"		84
A	B	2	1SG	E	60 7/8"		3 x 26 ga STRAP				84
B	A	1	2SG	S	112 3/8"		1 JOIST & 2 LAGS	42'-9 3/4"	30'-0"	3	84
C	B	1	1SG	E	156 1/4"	37 1/4"	3 x 26 ga STRAP	37'-2 1/4"	9'-4"		84
WIND ZONE: 2											
LABEL	UNIT	WALL	PANEL	TYPE	ACT.LENGTH	REQ.LENGTH	NOTE	ACT.TRIB**	REQ.TRIB	JNS	SWHT
A	A	1	1SG	E	59 7/8"	87 3/8"	3 x 26 ga STRAP	17'-0 5/8"	8'-7 5/8"		84
A	B	1	1SG	E	55"		3 x 26 ga STRAP				84
A	B	2	1SG	E	60 7/8"		3 x 26 ga STRAP				84
B	A	1	2LL	S	103 5/8"		3 JOISTS & 4 LAGS	26'-3 1/4"	20'-8"	6	84
C	A	1	2LL	S	112 3/8"		2 JOISTS & 4 LAGS	26'-9 7/8"	21'-4 1/2"	6	84
D	B	1	1SG	E	156 1/4"	94 1/4"	3 x 26 ga STRAP	14'-3 5/8"	9'-4"		84
** EMPTY TRIB FIELD IS COMBINED IN NUMBER ABOVE											
JNS = NUMBER OF JOISTS FOR USE WITHOUT STRAP											

TJI PRO-360 SPLICE LOCATION						
DIMENSIONS ARE FROM HITCH END						
LIVE LOAD: 30 LBS.						
FROM	-	TO	UNIT	MATE		
0"	-	6'-8"	A	B		
10'-2"	-	12'-3"	A	B		
19'-9"	-	20'-11"	A	B		
42'-11"	-	50'-9"	A	B		
52'-5"	-	59'-11"	A	B		
0"	-	6'-8"	B	A		
10'-2"	-	12'-3"	B	A		
19'-9"	-	20'-11"	B	A		
42'-11"	-	50'-9"	B	A		
52'-5"	-	59'-11"	B	A		
LIVE LOAD: 40 LBS. 40						
FROM	-	TO	UNIT	MATE		
0"	-	1'-6"	A	B		
6'-0"	-	8'-4"	A	B		
14'-2"	-	15'-11"	A	B		
22'-4"	-	23'-5"	A	B		
42'-11"	-	44'-8"	A	B		
47'-8"	-	50'-6"	A	B		
52'-8"	-	55'-11"	A	B		
57'-10"	-	59'-11"	A	B		
0"	-	1'-6"	B	A		
6'-0"	-	8'-4"	B	A		
14'-2"	-	15'-11"	B	A		
22'-4"	-	23'-5"	B	A		
42'-11"	-	44'-8"	B	A		
47'-8"	-	50'-6"	B	A		
52'-8"	-	55'-11"	B	A		
57'-10"	-	59'-11"	B	A		

STRAP DATA		
OVERHANGS (F/R): 4.5 / 4.5		
WIND ZONE: 2		
LOCATION	UNIT	STRAP
	A&B	3 x 26 ga
8'-0"	A&B	G-2
21'-6"	A&B	G-2
42'-6"	A&B	G-2
60'-0"	A&B	G-1

FLOOR INFO	
JOIST SIZE	2x6
JOIST MATERIAL	SYP
JOIST SPACING	16
WALL INFO	
SIDEWALL HGT.	84"
EXT WALL SIZE	2x4
EXT SIDING MATL	VINYL LAP
CEILING/ROOF INFO	
CEILING THICKNESS	5/16"
CEILING MATERIAL	GOLD BOND
FRONT EAVE 0'HANG	7"
REAR EAVE 0'HANG	7"
FRONT GABLE 0'HG	4 1/2"
REAR GABLE 0'HG	4 1/2"

 ELIZABETHTOWN 22	
PRODUCT NAME	
RIVERKNOLL	
MODEL NO.	
4603R	
DRAWING TITLE	
SPEC DRWG	
DRAWN BY:	
Eliseo A.	
DATE:	
SHT	REV
SPEC.1	A

OPT. 5:12 OR 7:12 ROOF W/ 96" SIDEWALLS

POST DATA - TJI PRO 360										
LIVE LOAD: 30 LBS. 512			PERIMETER PIERING REQUIRED							
LBL	LOCATION	UNIT	POST L	HEIGHT	BEARING	POST	PIER L *	BEAM	D	CLEAR SPAN
A		B	787	96	1.75	32		TJI	16"	7'-8 5/8"
A		A	787	96	1.75	32	1600	TJI	16"	7'-8 5/8"
B	8'-7 5/8"	B	3587	96	1.75	5		TJI	16"	12'-1 1/8"
B	8'-7 5/8"	A	3587	96	1.75	5	7200	TJI	16"	12'-1 1/8"
C	20'-11 3/4"	A	1321	96	1.75	2	8500	TJI	16"	
C	20'-11 3/4"	B	1321	96	1.75	2		TJI	16"	
D	20'-11 3/4"	A	2916	96	1.75	4		LSL	16"	20'-10 1/2"
D	20'-11 3/4"	B	2916	96	1.75	4		LSL	16"	20'-10 1/2"
E	42'-10 1/4"	A	2916	96	1.75	4	7600	LSL	16"	
E	42'-10 1/4"	B	2916	96	1.75	4		LSL	16"	
F	42'-10 1/4"	A	883	96	1.75	2		TJI	16"	8'-5 3/4"
F	42'-10 1/4"	B	883	96	1.75	2		TJI	16"	8'-5 3/4"
G	51'-7"	A	2858	96	1.75	4	5800	TJI	16"	7'-7 1/2"
G	51'-7"	B	2858	96	1.75	4		TJI	16"	7'-7 1/2"
H	60'-0"	A	931	96	1.75	32	1900	TJI	16"	
H	60'-0"	B	931	96	1.75	32		TJI	16"	
LIVE LOAD: 40 LBS. 40512			PERIMETER PIERING REQUIRED							
LBL	LOCATION	UNIT	POST L	HEIGHT	BEARING	POST	PIER L *	BEAM	D	CLEAR SPAN
A		A	1356	96	1.75	32	2800	TJI	16"	7'-11 5/8"
A		B	1356	96	1.75	32		TJI	16"	7'-11 5/8"
B	8'-7 5/8"	A	2066	96	1.75	3	4200	TJI	16"	3'-10 3/4"
B	8'-7 5/8"	B	2066	96	1.75	3		TJI	16"	3'-10 3/4"
C	13'-0 3/8"	A	3092	96	1.75	4	6200	TJI	16"	10'-2 3/8"
C	13'-0 3/8"	B	3092	96	1.75	4		TJI	16"	10'-2 3/8"
D	23'-5 3/4"	A	1438	96	1.75	2	9400	TJI	16"	
D	23'-5 3/4"	B	1438	96	1.75	2		TJI	16"	
E	23'-5 3/4"	A	3229	96	1.75	4		LSL	16"	18'-4 1/2"
E	23'-5 3/4"	B	3229	96	1.75	4		LSL	16"	18'-4 1/2"
F	42'-10 1/4"	A	3229	96	1.75	4	8700	LSL	16"	
F	42'-10 1/4"	B	3229	96	1.75	4		LSL	16"	
G	42'-10 1/4"	A	1104	96	1.75	2		TJI	16"	8'-5 3/4"
G	42'-10 1/4"	B	1104	96	1.75	2		TJI	16"	8'-5 3/4"
I	60'-0"	A	1164	96	1.75	32	2400	TJI	16"	
I	60'-0"	B	1164	96	1.75	32		TJI	16"	
--	51'-7"	A	3573	96	1.75	5	7200	TJI	16"	7'-6"
--	51'-7"	B	3573	96	1.75	5		TJI	16"	7'-6"
* EMPTY PIER LOAD IS COMBINED IN NUMBER ABOVE										
CLEAR SPAN IS FROM EDGE OF POST TO EDGE OF ADJACENT POST ON THE SAME SECTION										

TJI PRO-360 SPLICE LOCATION					
DIMENSIONS ARE FROM HITCH END					
LIVE LOAD: 30 LBS. 512					
FROM	-	TO	UNIT	MATE	
0"	-	6'-8"	A	B	
10'-2"	-	12'-3"	A	B	
19'-9"	-	20'-11"	A	B	
42'-11"	-	50'-9"	A	B	
52'-5"	-	59'-11"	A	B	
0"	-	6'-8"	B	A	
10'-2"	-	12'-3"	B	A	
19'-9"	-	20'-11"	B	A	
42'-11"	-	50'-9"	B	A	
52'-5"	-	59'-11"	B	A	
LIVE LOAD: 40 LBS. 40512					
FROM	-	TO	UNIT	MATE	
0"	-	1'-6"	A	B	
6'-0"	-	8'-4"	A	B	
14'-2"	-	15'-11"	A	B	
22'-4"	-	23'-5"	A	B	
42'-11"	-	44'-8"	A	B	
47'-8"	-	50'-6"	A	B	
52'-8"	-	55'-11"	A	B	
57'-10"	-	59'-11"	A	B	
0"	-	1'-6"	B	A	
6'-0"	-	8'-4"	B	A	
14'-2"	-	15'-11"	B	A	
22'-4"	-	23'-5"	B	A	
42'-11"	-	44'-8"	B	A	
47'-8"	-	50'-6"	B	A	
52'-8"	-	55'-11"	B	A	
57'-10"	-	59'-11"	B	A	

OPT. 5:12 ROOF W/ 96" SIDEWALLS

SHEAR WALL DATA										
WIND ZONE: 1 512										
LABEL	UNIT	WALL	PANEL	TYPE	ACT.LENGTH	REQ.LENGTH	NOTE	ACT.TRIB**	REQ.TRIB	JNS SWHT
A	A	1	1SG	E	59 7/8"	147 5/8"	3 x 26 ga STRAP	34'-11 1/4"	29'-11 5/8"	96
A	B	1	1SG	E	55"		3 x 26 ga STRAP			96
A	B	2	1SG	E	60 7/8"		3 x 26 ga STRAP			96
B	A	1	2LL	S	112 3/8"		2 JOISTS & 4 LAGS	54'-3 1/4"	51'-8"	6 96
C	A	1	2SG	S	112 3/8"		2 JOISTS & 3 LAGS	42'-1 3/4"	33'-4 3/8"	4 96
D	B	1	2SG	S	144 3/4"		1 JOIST & 2 LAGS	38'-6 1/4"	23'-4"	3 96
E	B	1	1SG	E	156 1/4"	58 3/4"	3 x 26 ga STRAP	31'-8 5/8"	11'-8"	96
** EMPTY TRIB FIELD IS COMBINED IN NUMBER ABOVE										
JNS = NUMBER OF JOISTS FOR USE WITHOUT STRAP										

OPT. BASEMENT ENTRY W/ 5:12 ROOF & 96" SIDEWALLS

SHEAR WALL DATA										
WIND ZONE: 1 51204										
LABEL	UNIT	WALL	PANEL	TYPE	ACT.LENGTH	REQ.LENGTH	NOTE	ACT.TRIB**	REQ.TRIB	JNS SWHT
A	A	1	1SG	E	59 7/8"	147 5/8"	3 x 26 ga STRAP	34'-11 1/4"	29'-11 5/8"	96
A	B	1	1SG	E	55"		3 x 26 ga STRAP			96
A	B	2	1SG	E	60 7/8"		3 x 26 ga STRAP			96
B	A	1	2LL	S	112 3/8"		2 JOISTS & 4 LAGS	54'-3 1/4"	51'-8"	6 96
C	A	1	2SG	S	112 3/8"		2 JOISTS & 3 LAGS	42'-1 3/4"	33'-4 3/8"	4 96
D	B	1	2SG	S	144 3/4"		1 JOIST & 2 LAGS	40'-6"	23'-4"	96
E	B	1	1SG	E	156 1/4"	58 3/4"	3 x 26 ga STRAP	31'-8 5/8"	11'-8"	96
** EMPTY TRIB FIELD IS COMBINED IN NUMBER ABOVE										
JNS = NUMBER OF JOISTS FOR USE WITHOUT STRAP										

OPT. 7:12 ROOF W/ 96" SIDEWALLS

SHEAR WALL DATA										
WIND ZONE: 1 712										
LABEL	UNIT	WALL	PANEL	TYPE	ACT.LENGTH	REQ.LENGTH	NOTE	ACT.TRIB**	REQ.TRIB	JNS SWHT
A	A	1	1SG	E	59 7/8"	119 7/8"	3 x 26 ga STRAP	34'-11 1/4"	24'-3"	96
A	B	1	1SG	E	55"		3 x 26 ga STRAP			96
A	B	2	1SG	E	60 7/8"		3 x 26 ga STRAP			96
B	A	1	2SG	S	103 5/8"		2 JOISTS & 3 LAGS	37'-5 1/8"	33'-8 1/4"	4 96
C	A	1	2SG	S	109 3/8"		2 JOISTS & 3 LAGS	41'-0 1/8"	33'-9 7/8"	4 96
D	A	1	2SG	S	112 3/8"		2 JOISTS & 3 LAGS	42'-2"	37'-6"	4 96
E	B	1	2SG	S	144 3/4"		1 JOIST & 2 LAGS	38'-6 1/4"	26'-2 3/4"	3 96
F	B	1	1SG	E	156 1/4"	65 3/4"	3 x 26 ga STRAP	31'-8 5/8"	13'-1 3/8"	96
** EMPTY TRIB FIELD IS COMBINED IN NUMBER ABOVE										
JNS = NUMBER OF JOISTS FOR USE WITHOUT STRAP										

7:12 ROOF NOT AVAILABLE WITH OPT. BASEMENT ENTRY



ELIZABETHTOWN
22

PRODUCT NAME

RIVERKNOLL

MODEL NO.

4603R

DRAWING TITLE

SPEC DRWG

DRAWN BY:
Eliseo A.

DATE:
01/04/07

SHT
SPEC. 2

REV
A

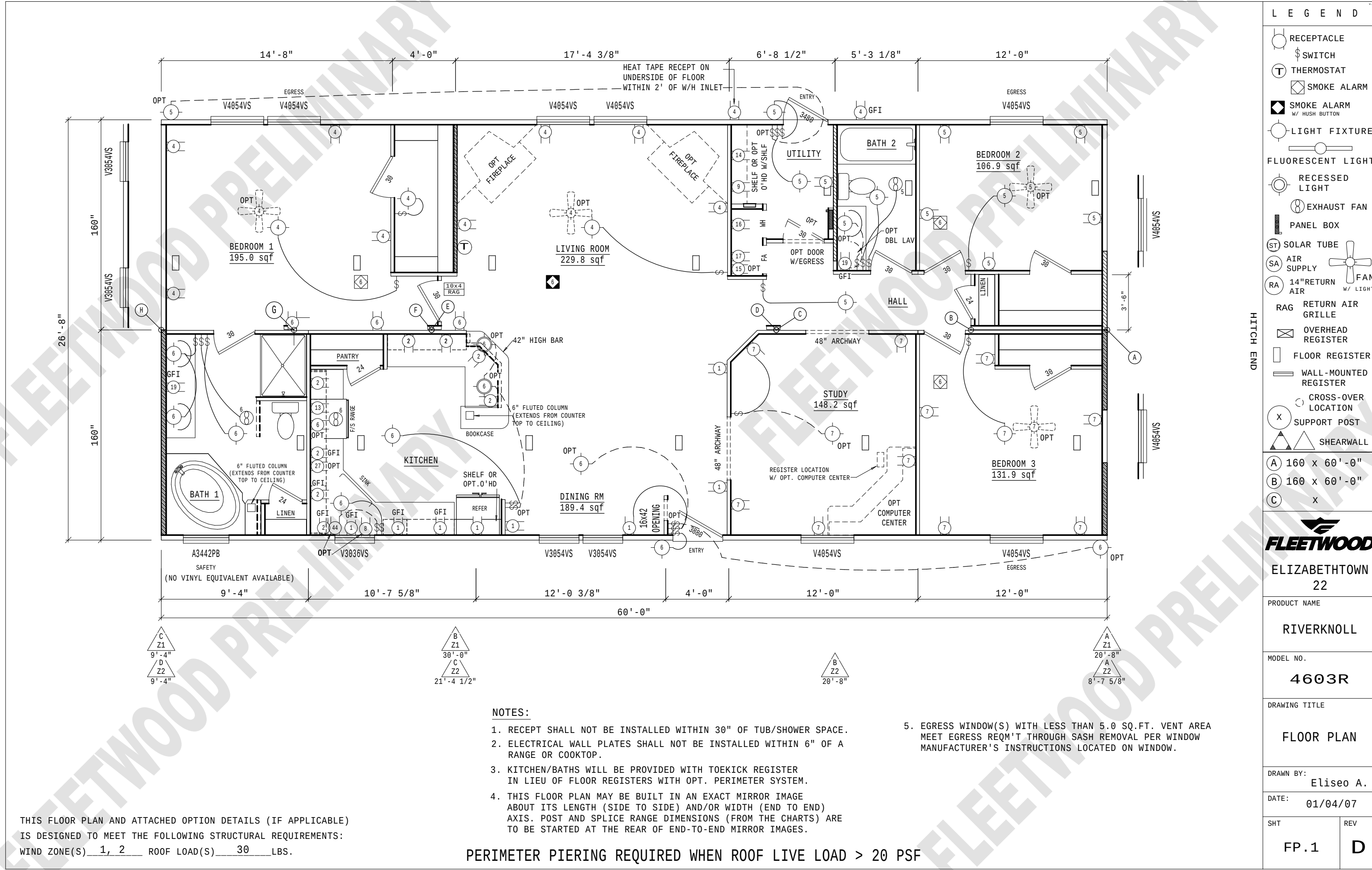
T H E R M A L C A L C U L A T I O N R E S U L T S									
TZ	CEIL	WALL	FLOOR	U	DESCRIPTION	DUCT TYPE	RESULT	MAX NOM	AVAIL.
3	28	11	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	371.21	224.60
3	28	11	33	0.38	KINRO VINYL LOW-E	INSULATED	PASS	416.52	269.91
3	28	19	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	448.56	301.95
3	28	19	33	0.38	KINRO VINYL LOW-E	INSULATED	PASS	489.77	343.16
3	30	11	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	381.49	234.88
3	30	19	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	457.91	311.30
3	33	11	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	393.55	246.94
3	33	19	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	468.88	322.27
3	36	11	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	402.18	255.57
3	36	19	22	0.38	KINRO VINYL LOW-E	INSULATED	PASS	476.73	330.12
SUBTRACT 2 S.F. OF GLAZING FOR EACH S.F. OF SKYLIGHT AREA									

STANDARD OPENINGS						
QTY	SIZE	DESCRIPTION	TYPE	AREA	TOTAL	U VALUE
1	34 x 80	COTTAGE	DOOR	18.89	18.89	0.470
1	38 x 80	BLANK-INSWING	DOOR	21.11	21.11	0.280
1	30 x 36	V. SLIDER	WINDOW	7.67	7.67	
2	30 x 54	V. SLIDER	WINDOW	11.37	22.74	
1	34 x 42	PICTURE BLOCK	WINDOW	10.32	10.32	
7	40 x 54	V. SLIDER	WINDOW	15.13	105.90	
TOTAL WINDOW AREA :					146.62	
SEE THERMAL CHART FOR WINDOW U VALUES						

OPTIONAL DOOR EQUIVALENT GLAZING AREA			
WALL	WINDOW	DOOR	AREA
11	KINRO VINYL LOW-E	34 x 76 BLANK	15.49
11	KINRO VINYL LOW-E	34 x 76 COTTAGE	19.17
11	KINRO VINYL LOW-E	34 x 80 COTTAGE	24.70
11	KINRO VINYL LOW-E	34 x 80 COTTAGE-INSWING	12.43
11	KINRO VINYL LOW-E	34 x 80 GUNSLLOT	20.83
11	KINRO VINYL LOW-E	36 x 75 DL GUNSLLOT-INSWING	27.27
11	KINRO VINYL LOW-E	36 x 75 GUNSLLOT-INSWING	10.62
11	KINRO VINYL LOW-E	36 x 80 BLANK-INSWING	5.63
11	KINRO VINYL LOW-E	38 x 80 BLANK-INSWING	5.94
11	KINRO VINYL LOW-E	38 x 80 BLANK-INSWING	13.89
11	KINRO VINYL LOW-E	38 x 80 DIAMOND-INSWING	16.05
11	KINRO VINYL LOW-E	38 x 80 GUNSLLOT-INSWING	16.05
11	KINRO VINYL LOW-E	5/6 x 6/8 ATRIUM - SAFETY	34.42
11	KINRO VINYL LOW-E	6/0 x 6/4 SGD - SAFETY	33.23
19	KINRO VINYL LOW-E	34 x 76 BLANK	15.71
19	KINRO VINYL LOW-E	34 x 76 COTTAGE	19.06
19	KINRO VINYL LOW-E	34 x 80 COTTAGE	24.18
19	KINRO VINYL LOW-E	34 x 80 COTTAGE-INSWING	13.01
19	KINRO VINYL LOW-E	34 x 80 GUNSLLOT	20.65
19	KINRO VINYL LOW-E	36 x 75 DL GUNSLLOT-INSWING	27.98
19	KINRO VINYL LOW-E	36 x 75 GUNSLLOT-INSWING	11.50
19	KINRO VINYL LOW-E	36 x 80 BLANK-INSWING	6.93
19	KINRO VINYL LOW-E	38 x 80 BLANK-INSWING	7.31
19	KINRO VINYL LOW-E	38 x 80 BLANK-INSWING	14.54
19	KINRO VINYL LOW-E	38 x 80 DIAMOND-INSWING	16.51
19	KINRO VINYL LOW-E	38 x 80 GUNSLLOT-INSWING	16.51
19	KINRO VINYL LOW-E	5/6 x 6/8 ATRIUM - SAFETY	34.64
19	KINRO VINYL LOW-E	6/0 x 6/4 SGD - SAFETY	33.71

RECOMMENDED A/C SIZES		
STATE	DESIGN TEMP	TONS
CT	ALL	2.5
DE	ALL	2.5
MA	ALL	2.5
MD	ALL	3.0
ME	ALL	2.0
NC	ALL	3.0
NH	ALL	2.5
NJ	ALL	2.5
NY	ALL	2.5
OH	ALL	3.0
PA	ALL	2.5
RI	ALL	2.5
VA	ALL	3.0
VT	ALL	2.0
WV	ALL	2.5

 ELIZABETHTOWN 22 v.1.0	
PRODUCT NAME	
RIVERKNOLL	
MODEL NO.	
4603R	
DRAWING TITLE	
THERMAL SPECS	
DRAWN BY: Eliseo A.	
DATE: 07/17/06	
SHT	REV
TS.1	B



LEGEND	
	RECEPTACLE
	SWITCH
	THERMOSTAT
	SMOKE ALARM
	SMOKE ALARM W/ HUSH BUTTON
	LIGHT FIXTURE
	FLUORESCENT LIGHT
	RECESSED LIGHT
	EXHAUST FAN
	PANEL BOX
	SOLAR TUBE
	AIR SUPPLY
	14" RETURN AIR
	RETURN AIR GRILLE
	OVERHEAD REGISTER
	FLOOR REGISTER
	WALL-MOUNTED REGISTER
	CROSS-OVER LOCATION
	SUPPORT POST
	SHEARWALL

- A 160 x 60'-0"
- B 160 x 60'-0"
- C X



ELIZABETHTOWN
22

PRODUCT NAME
RIVERKNOLL

MODEL NO.
4603R

DRAWING TITLE
FLOOR PLAN

DRAWN BY:
Eliseo A.

DATE:
01/04/07

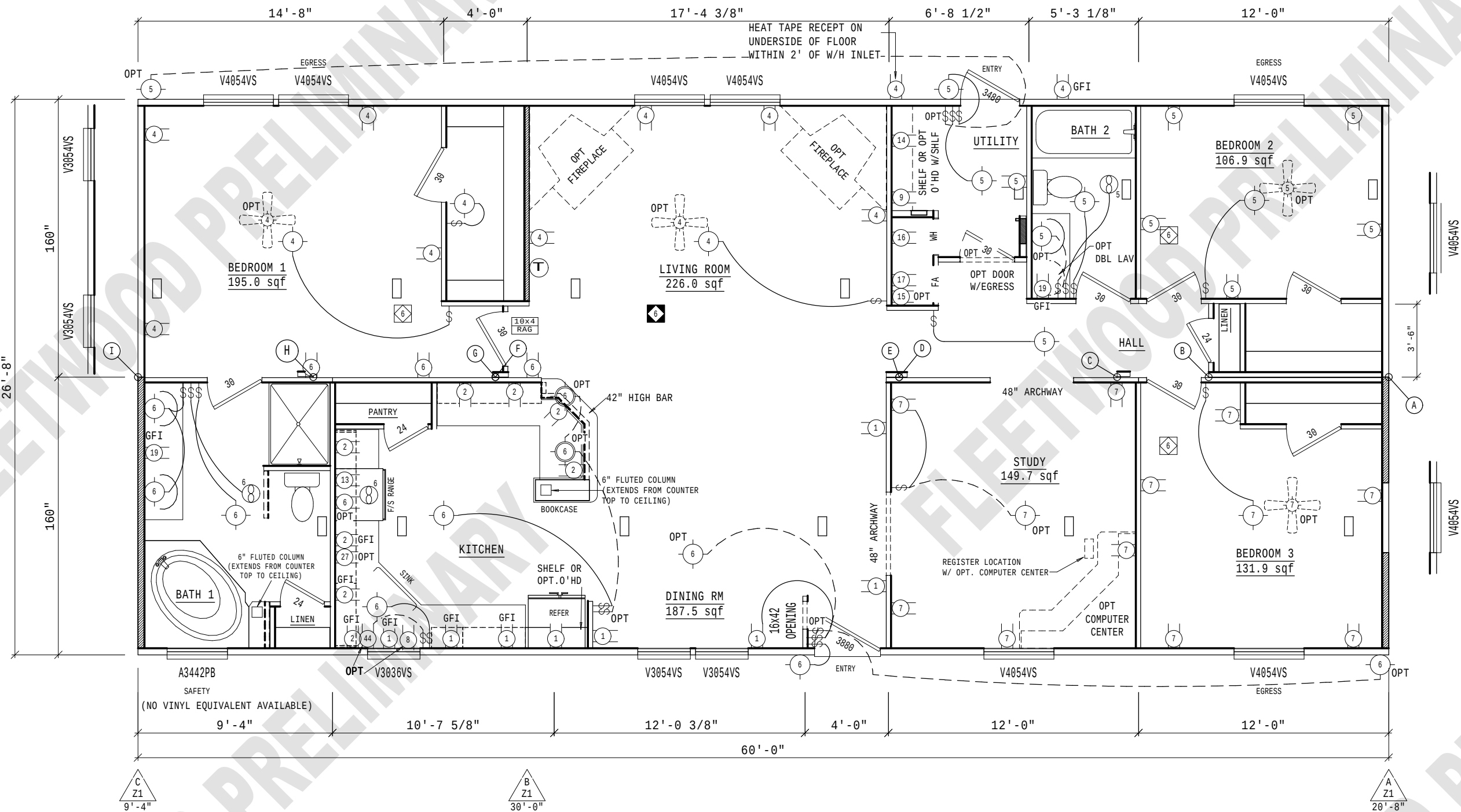
SHT	REV
FP.1	D

THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE) IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1, 2 ROOF LOAD(S) 30 LBS.

NOTES:

- RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
- ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
- KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
- THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.
- EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQM'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF



THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE)
IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1 ROOF LOAD(S) 40 LBS.

NOTES:

1. RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
3. KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.

5. EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQM'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF

LEGEND

- RECEPTACLE
- SWITCH
- THERMOSTAT
- SMOKE ALARM
- SMOKE ALARM W/ HUSH BUTTON
- LIGHT FIXTURE
- FLUORESCENT LIGHT
- RECESSED LIGHT
- EXHAUST FAN
- PANEL BOX
- SOLAR TUBE
- AIR SUPPLY
- 14" RETURN AIR
- RAG RETURN AIR GRILLE
- OVERHEAD REGISTER
- FLOOR REGISTER
- WALL-MOUNTED REGISTER
- CROSS-OVER LOCATION
- SUPPORT POST
- SHEARWALL

- A 160 x 60'-0"
- B 160 x 60'-0"
- C X



ELIZABETHTOWN
22

PRODUCT NAME

RIVERKNOLL

MODEL NO.

4603R

DRAWING TITLE

OPT FLOOR PLAN

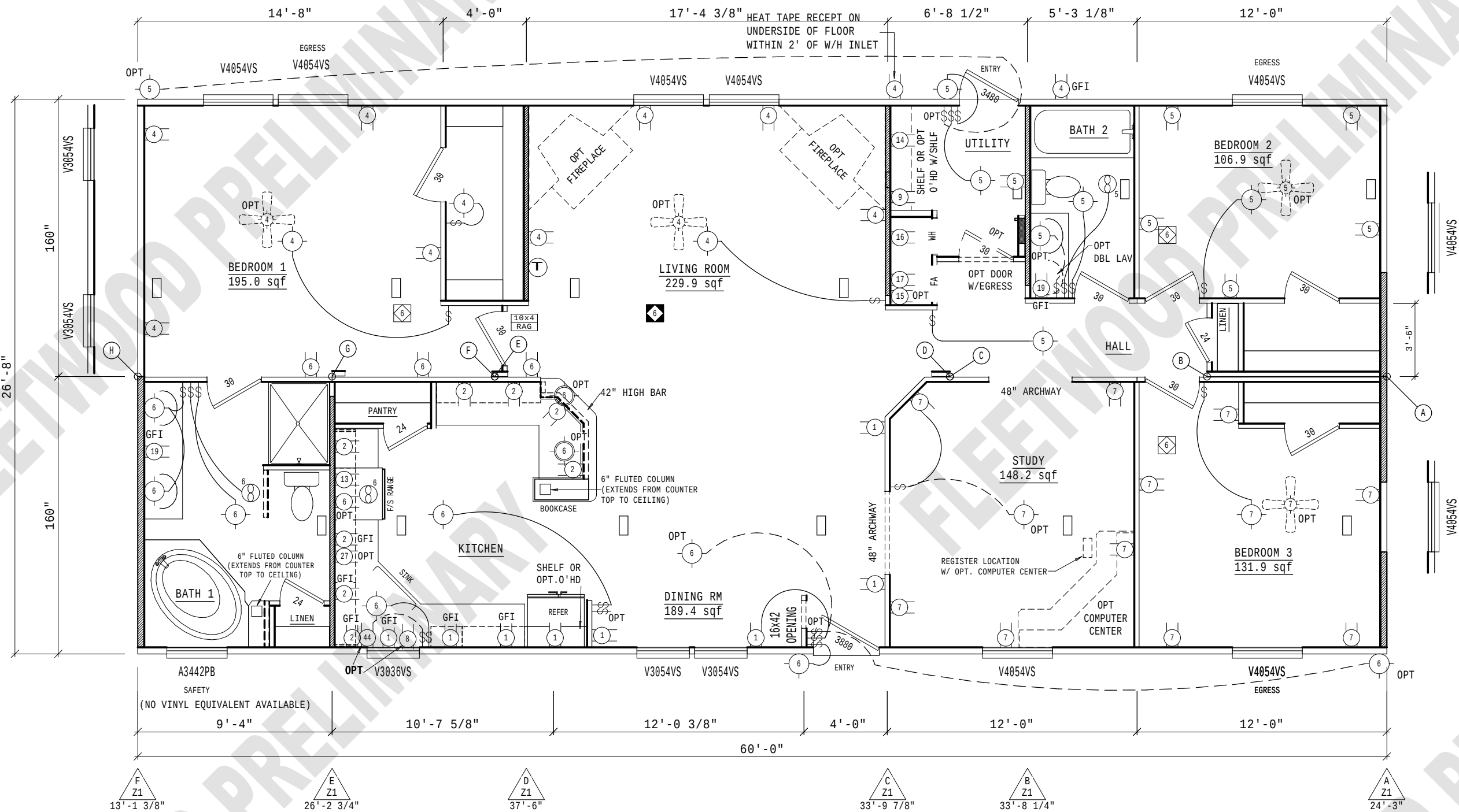
DRAWN BY:
Eliseo A.

DATE:
01/04/07

SHT
FP.2

REV
D

221RK4603R



THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE)
IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1 ROOF LOAD(S) 30 LBS.

NOTES:

1. RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
3. KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.
5. REQUIRED SIDEWALL TRIBUTARIES HAVE BEEN INCREASED PER ROOF PITCH DESIGN CONFIGURATION.

6. EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQ'M'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF

OPT. 7:12 ROOF W/ 96" SIDEWALLS

LEGEND

- RECEPTACLE
- SWITCH
- THERMOSTAT
- SMOKE ALARM
- SMOKE ALARM W/ HUSH BUTTON
- LIGHT FIXTURE
- FLUORESCENT LIGHT
- RECESSED LIGHT
- EXHAUST FAN
- PANEL BOX
- SOLAR TUBE
- AIR SUPPLY
- 14" RETURN AIR
- RAG RETURN AIR GRILLE
- OVERHEAD REGISTER
- FLOOR REGISTER
- WALL-MOUNTED REGISTER
- CROSS-OVER LOCATION
- SUPPORT POST
- SHEARWALL

- A 160 x 60'-0"
- B 160 x 60'-0"
- C X



ELIZABETHTOWN
22

PRODUCT NAME

RIVERKNOLL

MODEL NO.

4603R

DRAWING TITLE

OPT FLOOR PLAN

DRAWN BY:
Eliseo A.

DATE:
01/04/07

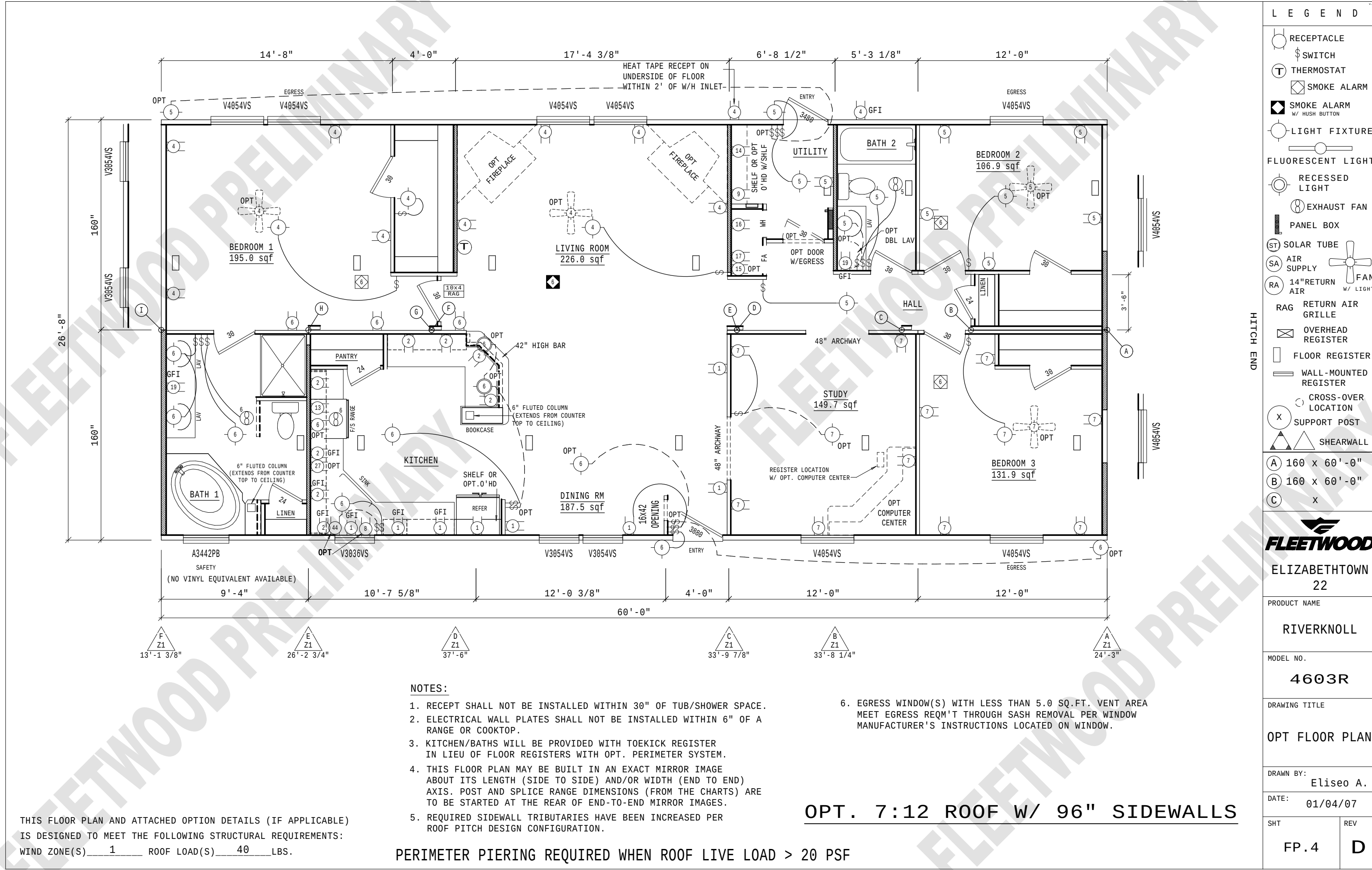
SHT

FP.3

REV

D

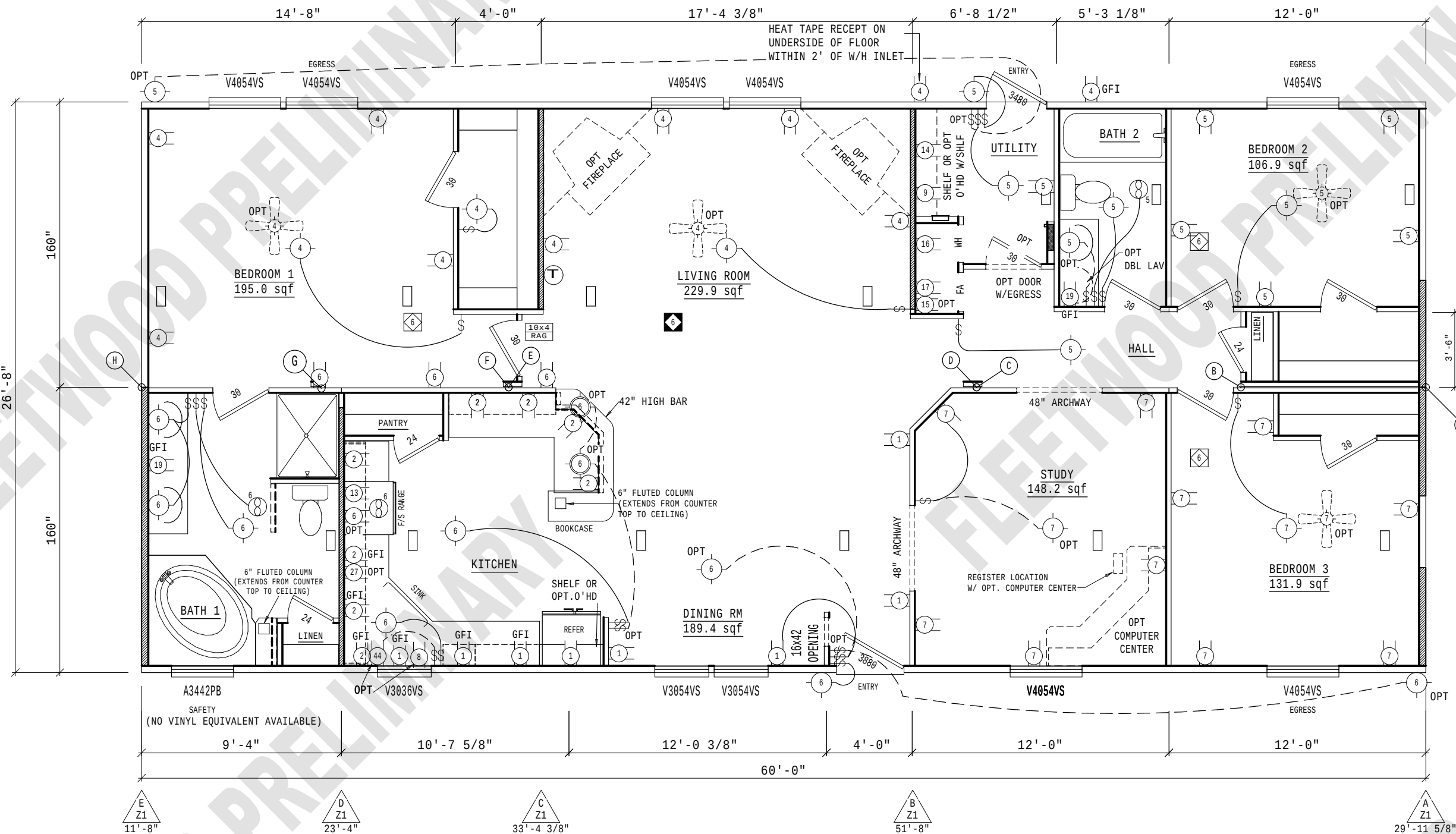
221RK4603R



LEGEND	
	RECEPTACLE
	SWITCH
	THERMOSTAT
	SMOKE ALARM
	SMOKE ALARM W/ HUSH BUTTON
	LIGHT FIXTURE
	FLUORESCENT LIGHT
	RECESSED LIGHT
	EXHAUST FAN
	PANEL BOX
	SOLAR TUBE
	AIR SUPPLY FAN
	14" RETURN AIR W/ LIGHT
	RETURN AIR GRILLE
	OVERHEAD REGISTER
	FLOOR REGISTER
	WALL-MOUNTED REGISTER
	CROSS-OVER LOCATION
	SUPPORT POST
	SHEARWALL
FLEETWOOD	
ELIZABETHTOWN 22	
PRODUCT NAME	
RIVERKNOLL	
MODEL NO.	
4603R	
DRAWING TITLE	
OPT FLOOR PLAN	
DRAWN BY: Eliseo A.	
DATE: 01/04/07	
SHT	REV
FP.4	D
221RK4603R	

THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE) IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1 ROOF LOAD(S) 40 LBS.

- NOTES:
1. RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
 2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
 3. KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
 4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.
 5. REQUIRED SIDEWALL TRIBUTARIES HAVE BEEN INCREASED PER ROOF PITCH DESIGN CONFIGURATION.
 6. EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQM'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.
- OPT. 7:12 ROOF W/ 96" SIDEWALLS
- PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF



NOTES:

1. RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
3. KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.
5. REQUIRED SIDEWALL TRIBUTARIES HAVE BEEN INCREASED PER ROOF PITCH DESIGN CONFIGURATION.

6. EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQM'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.

THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE) IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1 ROOF LOAD(S) 30 LBS.

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF

OPT. 5:12 ROOF W/ 96" SIDEWALLS

LEGEND

- RECEPTACLE
- SWITCH
- THERMOSTAT
- SMOKE ALARM
- SMOKE ALARM W/ HUSH BUTTON
- LIGHT FIXTURE
- FLUORESCENT LIGHT
- RECESSED LIGHT
- EXHAUST FAN
- PANEL BOX
- SOLAR TUBE
- AIR SUPPLY
- 14" RETURN AIR
- RAG RETURN AIR GRILLE
- OVERHEAD REGISTER
- FLOOR REGISTER
- WALL-MOUNTED REGISTER
- CROSS-OVER LOCATION
- SUPPORT POST
- SHEARWALL

- A 160 x 60'-0"
- B 160 x 60'-0"
- C X



ELIZABETHTOWN
22

PRODUCT NAME

RIVERKNOLL

MODEL NO.

4603R

DRAWING TITLE

OPT FLOOR PLAN

DRAWN BY:
Eliseo A.

DATE: 01/04/07

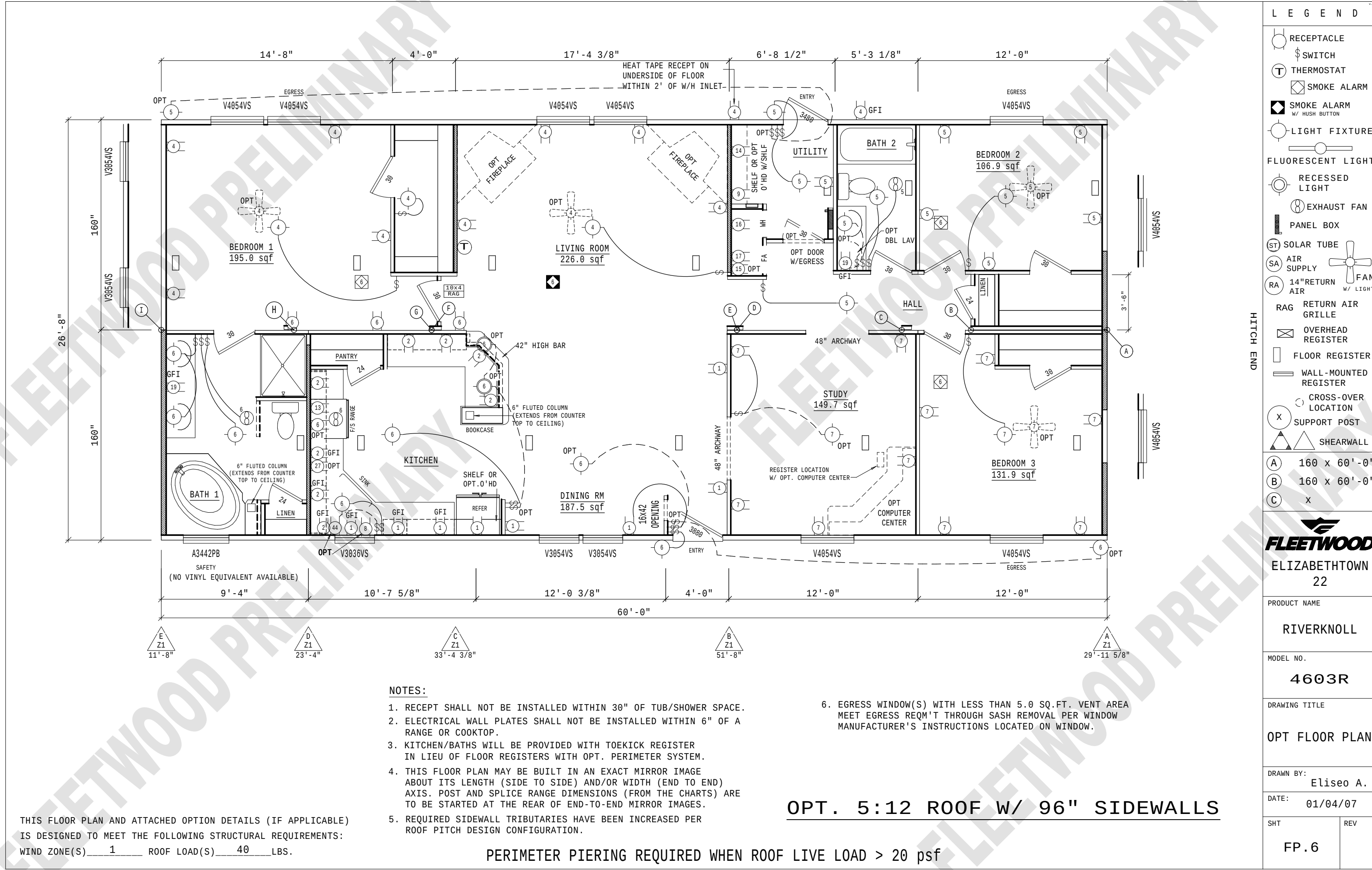
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REV

C

221RK4603R



LEGEND	
	RECEPTACLE
	SWITCH
	THERMOSTAT
	SMOKE ALARM
	SMOKE ALARM W/ HUSH BUTTON
	LIGHT FIXTURE
	FLUORESCENT LIGHT
	RECESSED LIGHT
	EXHAUST FAN
	PANEL BOX
	SOLAR TUBE
	AIR SUPPLY FAN
	14" RETURN AIR W/ LIGHT
	RETURN AIR GRILLE
	OVERHEAD REGISTER
	FLOOR REGISTER
	WALL-MOUNTED REGISTER
	CROSS-OVER LOCATION
	SUPPORT POST
	SHEARWALL
	160 x 60'-0"
	160 x 60'-0"
	X

ELIZABETHTOWN
22

PRODUCT NAME
RIVERKNOLL

MODEL NO.
4603R

DRAWING TITLE
OPT FLOOR PLAN

DRAWN BY:
Eliseo A.

DATE:
01/04/07

SHT	REV
FP.6	

NOTES:

1. RECEPT SHALL NOT BE INSTALLED WITHIN 30" OF TUB/SHOWER SPACE.
2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A RANGE OR COOKTOP.
3. KITCHEN/BATHS WILL BE PROVIDED WITH TOEKICK REGISTER IN LIEU OF FLOOR REGISTERS WITH OPT. PERIMETER SYSTEM.
4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT ITS LENGTH (SIDE TO SIDE) AND/OR WIDTH (END TO END) AXIS. POST AND SPLICE RANGE DIMENSIONS (FROM THE CHARTS) ARE TO BE STARTED AT THE REAR OF END-TO-END MIRROR IMAGES.
5. REQUIRED SIDEWALL TRIBUTARIES HAVE BEEN INCREASED PER ROOF PITCH DESIGN CONFIGURATION.
6. EGRESS WINDOW(S) WITH LESS THAN 5.0 SQ.FT. VENT AREA MEET EGRESS REQM'T THROUGH SASH REMOVAL PER WINDOW MANUFACTURER'S INSTRUCTIONS LOCATED ON WINDOW.

THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE) IS DESIGNED TO MEET THE FOLLOWING STRUCTURAL REQUIREMENTS:
WIND ZONE(S) 1 ROOF LOAD(S) 40 LBS.

OPT. 5:12 ROOF W/ 96" SIDEWALLS

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 psf

APPLICATION ENGINEERING
FOR HEATING AND COOLING

FLEETWOOD HOMES OF PA, INC.
48 Industrial Rd.
Elizabethtown, PA 17022-9425

Manufacturer's Model #: 4603R-RIVERKNOLL
HVAC System Type: INFLOOR 5x14 ALUM LOOP INLINE REG.

Prepared By LeSalle-Air Systems 06/27/07 (Method & Output C 2007)
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Calculations on this page are based on design parameters set forth in ASHRAE and ACCA Manuals J and D.
Design calculations are based on worst case orientation. Room loads may vary based on actual conditions.

ENTIRE HOUSE VALUES - DESIGN ZONE 3

COOLING LOAD: 27,800 BTU/h based on outside temp of 93°F with inside temp reduced to 75°F.
HEATING LOAD: 47,993 BTU/h based on outside temp of -10°F with inside temp raised to 70°F.
OVERALL HEAT LOSS COEFFICIENT: 0.0771

CONSTRUCTION DETAILS & U FACTORS (22-11-28)

OVERALL HOME SIZE:	60.00 X 26.66	TOTAL FLOOR AREA:	1,600.00 s.f.
AVG CEILING HEIGHT:	90.00 in.	ROOF:	0.036
TRUE OUTSIDE PERIMETER:	173.33 ft	WALLS:	0.091
NET WALL AREA:	1,062.58 s.f.	FLOOR:	0.046
TOTAL WINDOW1 AREA:	197.42 s.f.	WINDOW1:	0.510
TOTAL WINDOW2 AREA:	0.00 s.f.	WINDOW2:	0.340
WINDOW, % of floor:	12.34%	DOORS:	0.460
TOTAL DOOR AREA:	40.00 s.f.	LAT.GAIN:	1362.7
		DUCT GAIN/LOSS:	2403.4/4363.0
		SUM/WTN TNFT1:	80.2/180.4 cfm

ROOM BY ROOM VALUES

Heat loss, heat gain and CFM requirements based on cooling equipment design standards.

ROOM NAME	HEATING	COOLING	CFM	CFM	COOLING	CFM	COOLING
	BTU/h LOSS	BTU/h GAIN			BTU/h		BTU/h
Kitchen	3,505	1,511	51	96	2,830	105	3,500
Dining Room	5,804	3,191	106	166	4,980	176	5,867
Study	3,817	2,185	74	77	2,310	62	2,733
Bed Room #3	5,945	3,860	131	108	3,240	117	3,900
Bed Room #2	5,945	3,888	131	125	3,750	139	4,633
Bath Room #2	1,310	343	12	34	1,020	42	1,400
Utility	2,658	590	20	45	1,350	57	1,900
Living Room	5,996	3,941	133	166	4,980	176	5,867
Bed Room #1	8,886	6,456	217	206	6,180	218	7,267
Bath Room #1	4,126	1,826	62	94	2,820	101	3,367
TOTALS:	47,993	27,800	938	1,117	33,510	1,213	40,433

Failure to install heating or cooling equipment that produces the Total Design CFM for this house may result in an unbalanced duct system.

L E G E N D

v.1.0

BASEBOARD
DIFFUSER

4x10
FLOOR
REGISTER

FLEX DUCT/
DIAM

CROSSOVER
LOCATION

FURNACE
LOCATION

NOTES:
DUCT SYSTEM TO BE
INSTALLED PER MANU-
FACTURER'S INSTALLA-
TION INSTRUCTIONS.

SEE HVAC CALCS FOR
MAX. A/C CAPACITY

FLEETWOOD
ELIZABETHTOWN
22

PRODUCT NAME
RIVERKNOLL

MODEL NO.
4603R

DRAWING TITLE

HVAC LOOP/INLINE
CALCS

DRAWN BY:
Eliseo A.

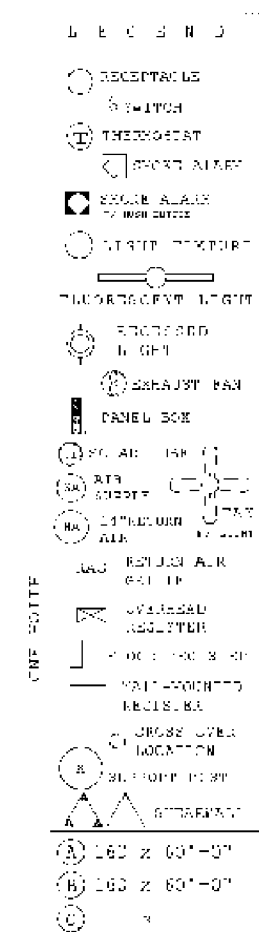
DATE:

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REV

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221RK4603R



THIS FLOOR PLAN AND ATTACHED OPTION DETAILS (IF APPLICABLE)
 IS FOR AND TO BE USED BY THE BUILDING STRUCTURAL ENGINEER FOR THE
 WIND ZONE(S): 1, 2 ROOF LOAD(S): 30 LBS.

1. THIS HVAC SYSTEM MAY BE USED IN LIEU OF STANDARD HVAC SYSTEM.

- NOTES:**
1. BRACKET SHALL BE 1/2" THICKER THAN THE BOTTOM OF JOINTS OF THE BRACKET.
 2. RECTANGULAR BRACKET PLATES SHALL NOT BE INSTALLED WITHIN 10" OF A CORNER OR JOINT.
 3. FLOOR FINISH IS NOT TO BE FINISHED UNTIL THE BRICK AND STEEL IN LIEU OF FLOOR REGISTERS WITH OUT PERIMETER SYSTEM.
 4. THIS FLOOR PLAN MAY BE BUILT IN AN EXACT MIRROR IMAGE ABOUT THE BRACKET CENTER TO THE BRACKET CENTER OF THE BRACKET CENTER AND THE BRACKET CENTER OF THE BRACKET CENTER TO BE STARTED AT THE BRACKET CENTER OF THE BRACKET CENTER.

PERIMETER PIERING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF

LEGEND

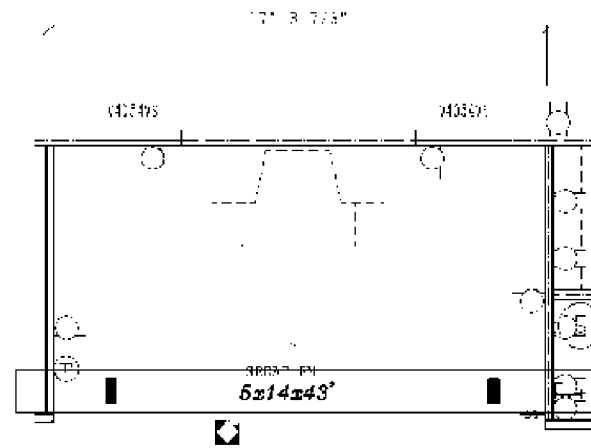
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 FURNACE
LOCATION

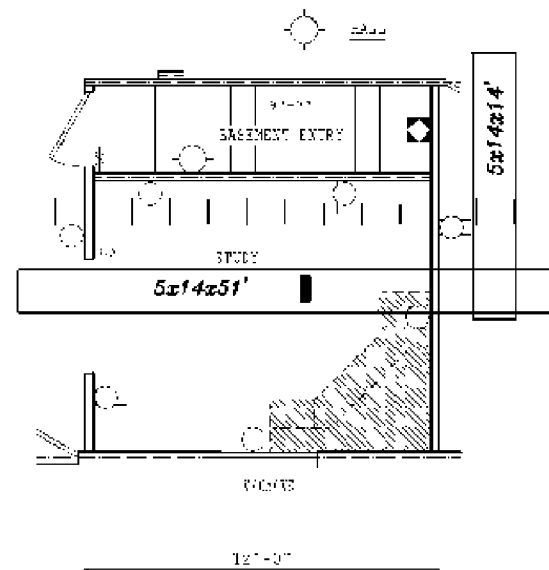
SEE HVAC CALCS FOR
MAX. A/C CAPACITY

REV

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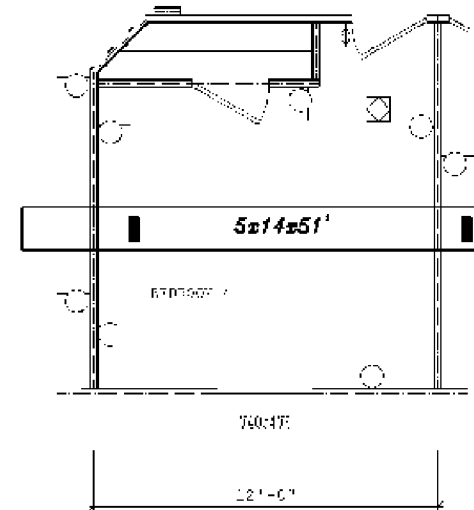


OPT. GREAT ROOM



OPT. BASEMENT ENTRY

- NOTES:
1. CLASS R W/L 11' C/DIST W/TO OPT. PARKING ENTRY.
 2. OPT. 7'10\"/>



OPT. BEDROOM 4

NOTE:
FOR SUPPORT POST LOCATIONS, SIDEWALL TRIBUTARIES
AND SHEARWALL CONFIGURATIONS REFER TO APPLICABLE
FLOOR PLAN AND SPECIFICATIONS SHEET.

 **LaSalle Air Systems**
Non Engineered System
5x14 Alum LOOP and
Alum X-overs with In-
Line 4x10 Floor Registers

- LEGEND
- RECEPTACLE
 - SWITCH
 - TELEPHONE AT
 - SMOKE ALARM
 - HYDRA-PAC
 - FLUORESCENT LIGHT
 - RETRACTED LIGHT
 - STANDARD TRK
 - BASELINE
 - ROTARY TRK
 - DATA TRUNK
 - ADDITIONAL TRK
 - TRK
 - STANDARD REGISTER
 - FLOOR REGISTER
 - SALL SOLIDUS REGISTER
 - CROSS-OVER LOCATION
 - SUPPORT POST
 - SHEARWALL

FLEETWOOD
ELIZABETHTOWN
22

PROJECT NAME
RIVERKNOLL

CELL NO
4603R

MARKING LEVEL
FLOOR PLAN
OPTIONS

DRAWN BY
ELISEO A.

DATE
01/07/07

REV
A

TPC
221RK4603R

NOTES:
DUCT SYSTEM TO BE
INSTALLED PER MANU-
FACTURER'S INSTALA-
TION INSTRUCTIONS.
SEE HVAC CALCS FOR
MAX. A/C CAPACITY

FLEETWOOD
ELIZABETHTOWN
22

PRODUCT NAME
RIVERKNOLL

MODEL NO.
4603R

DRAWING TITLE
HVAC
LOOP/INLINE

DRAWN BY:
Eliseo A.

DATE:

SHT
LSLI.2

REV

APPLICATION ENGINEERING
FOR HEATING AND COOLING

FLEETWOOD HOMES OF PA, INC.
48 Industrial Rd.
Elizabethtown, PA 17022-9425

Manufacturer's Model #: 4603R-RIVERKNOLL
HVAC System Type: INFLOOR 5x14 ALUM LOOP PERIMETER REGISTER

Prepared By LaSalle-Air Systems 06/27/07 (Method & Output C 2007)
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Calculations on this page are based on design parameters set forth in ASHRAE and ACCA Manuals J and D.
Design calculations are based on worst case orientation. Room loads may vary based on actual conditions.

ENTIRE HOUSE VALUES - DESIGN ZONE 3

COOLING LOAD: 27,800 BTU/h based on outside temp of 93°F with inside temp reduced to 75°F.
HEATING LOAD: 47,993 BTU/h based on outside temp of -10°F with inside temp raised to 70°F.
OVERALL HEAT LOSS COEFFICIENT: 0.0771

CONSTRUCTION DETAILS & U FACTORS (22-11-28)

OVERALL HOME SIZE:	60.00 X 26.66	TOTAL FLOOR AREA:	1,600.00 s.f.
AVG CEILING HEIGHT:	90.00 in.	ROOF:	0.036
TRUE OUTSIDE PERIMETER:	173.33 ft	WALLS:	0.091
NET WALL AREA:	1,062.58 s.f.	FLOOR:	0.046
TOTAL WINDOW1 AREA:	197.42 s.f.	WINDOW1:	0.510
TOTAL WINDOW2 AREA:	0.00 s.f.	WINDOW2:	0.340
WINDOW, % of floor:	12.34%	DOORS:	0.460
TOTAL DOOR AREA:	40.00 s.f.	LAT.GAIN:	1362.7
		DUCT GAIN/LOSS:	2403.4/4363.0
		SUM/WTN TNFT1:	80.2/180.4 cfm

ROOM BY ROOM VALUES

Heat loss, heat gain and CFM requirements based on cooling equipment design standards.

ROOM NAME	HEATING	COOLING	CFM	CFM	COOLING	CFM	COOLING
	BTU/h LOSS	BTU/h GAIN	DIST		BTU/h		BTU/h
Kitchen	3,505	1,511	51	98	2,940	101	3,367
Dining Room	5,804	3,191	106	148	4,440	163	5,433
Study	3,817	2,185	74	98	2,940	101	3,367
Bed Room #3	5,945	3,880	131	136	4,030	151	5,033
Bed Room #2	5,945	3,888	131	125	3,750	139	4,633
Bath Room #2	1,310	343	12	34	1,020	42	1,400
Utility	2,658	590	20	45	1,350	57	1,900
Living Room	5,996	3,941	133	166	4,980	176	5,867
Bed Room #1	8,886	6,436	217	260	7,800	269	9,967
Bath Room #1	4,126	1,826	62	94	2,820	101	3,367
TOTALS:	47,993	27,800	938	1,204	36,120	1,330	44,333

Failure to install heating or cooling equipment that produces the Total Design CFM for this house may result in an unbalanced duct system.

L E G E N D

v.1.0

BASEBOARD
DIFFUSER

4x10
FLOOR
REGISTER

5 FLEX DUCT/
DIAM

CROSSOVER
LOCATION

FURNACE
LOCATION

NOTES:
DUCT SYSTEM TO BE
INSTALLED PER MANU-
FACTURER'S INSTALLA-
TION INSTRUCTIONS.

SEE HVAC CALCS FOR
MAX. A/C CAPACITY

FLEETWOOD
ELIZABETHTOWN
22

PRODUCT NAME
RIVERKNOLL

MODEL NO.
4603R

DRAWING TITLE
HVAC
LOOP/PERIMETER
CALCS

DRAWN BY:
Eliseo A.

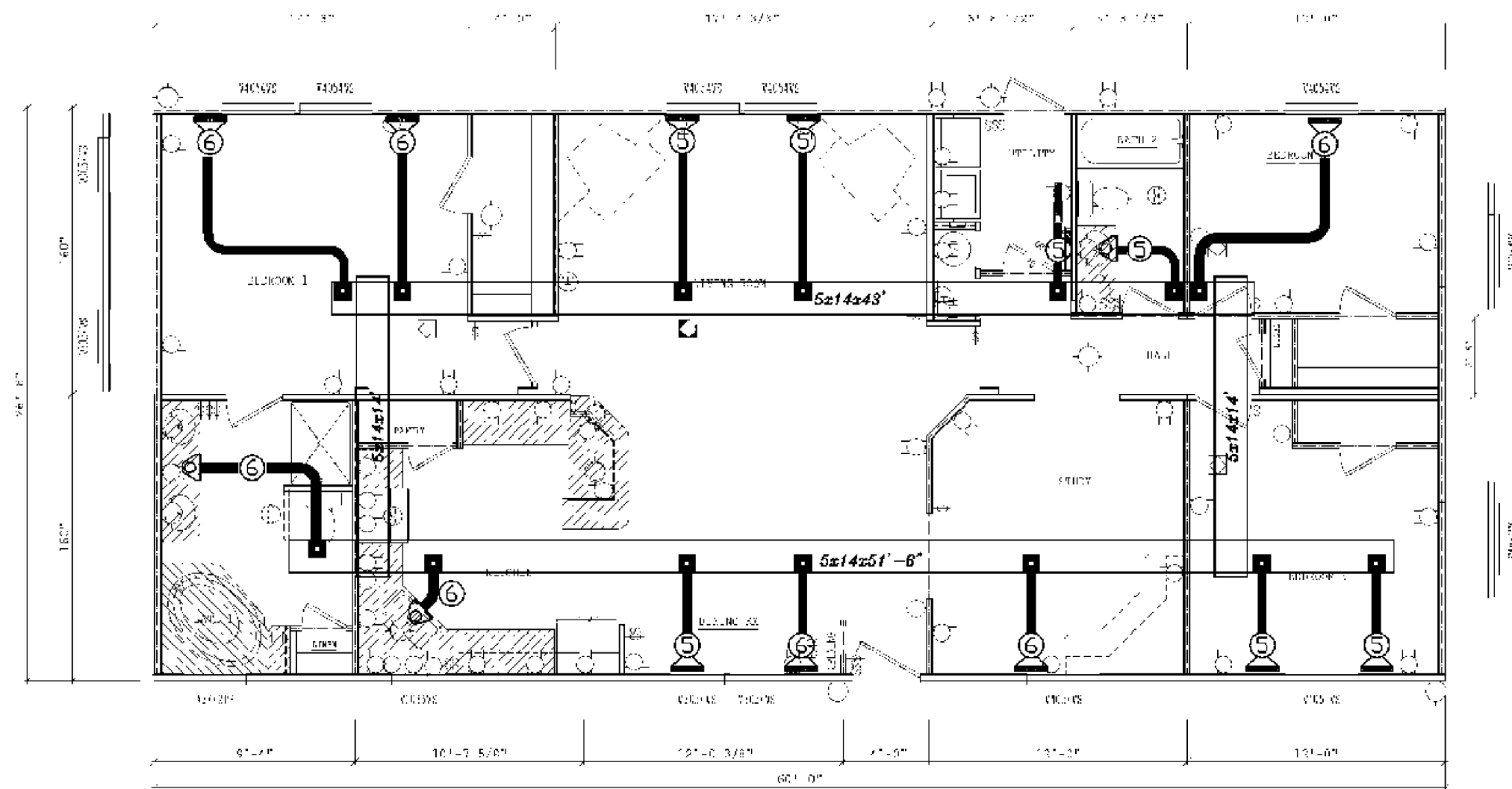
DATE:

SHT

REV

DCLP.1

221RK4603R



LaSalle Air Systems
Engineered System Using
5x14 Alum LOOP and
Alum X-overs with
Per. Baseboard Diffusers

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- NOTES:**
1. RE-ENTRANCE NO. 100, 100A, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z, 100AA, 100AB, 100AC, 100AD, 100AE, 100AF, 100AG, 100AH, 100AI, 100AJ, 100AK, 100AL, 100AM, 100AN, 100AO, 100AP, 100AQ, 100AR, 100AS, 100AT, 100AU, 100AV, 100AW, 100AX, 100AY, 100AZ, 100BA, 100BB, 100BC, 100BD, 100BE, 100BF, 100BG, 100BH, 100BI, 100BJ, 100BK, 100BL, 100BM, 100BN, 100BO, 100BP, 100BQ, 100BR, 100BS, 100BT, 100BU, 100BV, 100BW, 100BX, 100BY, 100BZ, 100CA, 100CB, 100CC, 100CD, 100CE, 100CF, 100CG, 100CH, 100CI, 100CJ, 100CK, 100CL, 100CM, 100CN, 100CO, 100CP, 100CQ, 100CR, 100CS, 100CT, 100CU, 100CV, 100CW, 100CX, 100CY, 100CZ, 100DA, 100DB, 100DC, 100DD, 100DE, 100DF, 100DG, 100DH, 100DI, 100DJ, 100DK, 100DL, 100DM, 100DN, 100DO, 100DP, 100DQ, 100DR, 100DS, 100DT, 100DU, 100DV, 100DW, 100DX, 100DY, 100DZ, 100EA, 100EB, 100EC, 100ED, 100EE, 100EF, 100EG, 100EH, 100EI, 100EJ, 100EK, 100EL, 100EM, 100EN, 100EO, 100EP, 100EQ, 100ER, 100ES, 100ET, 100EU, 100EV, 100EW, 100EX, 100EY, 100EZ, 100FA, 100FB, 100FC, 100FD, 100FE, 100FF, 100FG, 100FH, 100FI, 100FJ, 100FK, 100FL, 100FM, 100FN, 100FO, 100FP, 100FQ, 100FR, 100FS, 100FT, 100FU, 100FV, 100FW, 100FX, 100FY, 100FZ, 100GA, 100GB, 100GC, 100GD, 100GE, 100GF, 100GG, 100GH, 100GI, 100GJ, 100GK, 100GL, 100GM, 100GN, 100GO, 100GP, 100GQ, 100GR, 100GS, 100GT, 100GU, 100GV, 100GW, 100GX, 100GY, 100GZ, 100HA, 100HB, 100HC, 100HD, 100HE, 100HF, 100HG, 100HH, 100HI, 100HJ, 100HK, 100HL, 100HM, 100HN, 100HO, 100HP, 100HQ, 100HR, 100HS, 100HT, 100HU, 100HV, 100HW, 100HX, 100HY, 100HZ, 100IA, 100IB, 100IC, 100ID, 100IE, 100IF, 100IG, 100IH, 100II, 100IJ, 100IK, 100IL, 100IM, 100IN, 100IO, 100IP, 100IQ, 100IR, 100IS, 100IT, 100IU, 100IV, 100IW, 100IX, 100IY, 100IZ, 100JA, 100JB, 100JC, 100JD, 100JE, 100JF, 100JG, 100JH, 100JI, 100JJ, 100JK, 100JL, 100JM, 100JN, 100JO, 100JP, 100JQ, 100JR, 100JS, 100JT, 100JU, 100JV, 100JW, 100JX, 100JY, 100JZ, 100KA, 100KB, 100KC, 100KD, 100KE, 100KF, 100KG, 100KH, 100KI, 100KJ, 100KK, 100KL, 100KM, 100KN, 100KO, 100KP, 100KQ, 100KR, 100KS, 100KT, 100KU, 100KV, 100KW, 100KX, 100KY, 100KZ, 100LA, 100LB, 100LC, 100LD, 100LE, 100LF, 100LG, 100LH, 100LI, 100LJ, 100LK, 100LL, 100LM, 100LN, 100LO, 100LP, 100LQ, 100LR, 100LS, 100LT, 100LU, 100LV, 100LW, 100LX, 100LY, 100LZ, 100MA, 100MB, 100MC, 100MD, 100ME, 100MF, 100MG, 100MH, 100MI, 100MJ, 100MK, 100ML, 100MM, 100MN, 100MO, 100MP, 100MQ, 100MR, 100MS, 100MT, 100MU, 100MV, 100MW, 100MX, 100MY, 100MZ, 100NA, 100NB, 100NC, 100ND, 100NE, 100NF, 100NG, 100NH, 100NI, 100NJ, 100NK, 100NL, 100NM, 100NN, 100NO, 100NP, 100NQ, 100NR, 100NS, 100NT, 100NU, 100NV, 100NW, 100NX, 100NY, 100NZ, 100OA, 100OB, 100OC, 100OD, 100OE, 100OF, 100OG, 100OH, 100OI, 100OJ, 100OK, 100OL, 100OM, 100ON, 100OO, 100OP, 100OQ, 100OR, 100OS, 100OT, 100OU, 100OV, 100OW, 100OX, 100OY, 100OZ, 100PA, 100PB, 100PC, 100PD, 100PE, 100PF, 100PG, 100PH, 100PI, 100PJ, 100PK, 100PL, 100PM, 100PN, 100PO, 100PP, 100PQ, 100PR, 100PS, 100PT, 100PU, 100PV, 100PW, 100PX, 100PY, 100PZ, 100QA, 100QB, 100QC, 100QD, 100QE, 100QF, 100QG, 100QH, 100QI, 100QJ, 100QK, 100QL, 100QM, 100QN, 100QO, 100QP, 100QQ, 100QR, 100QS, 100QT, 100QU, 100QV, 100QW, 100QX, 100QY, 100QZ, 100RA, 100RB, 100RC, 100RD, 100RE, 100RF, 100RG, 100RH, 100RI, 100RJ, 100RK, 100RL, 100RM, 100RN, 100RO, 100RP, 100RQ, 100RR, 100RS, 100RT, 100RU, 100RV, 100RW, 100RX, 100RY, 100RZ, 100SA, 100SB, 100SC, 100SD, 100SE, 100SF, 100SG, 100SH, 100SI, 100SJ, 100SK, 100SL, 100SM, 100SN, 100SO, 100SP, 100SQ, 100SR, 100SS, 100ST, 100SU, 100SV, 100SW, 100SX, 100SY, 100SZ, 100TA, 100TB, 100TC, 100TD, 100TE, 100TF, 100TG, 100TH, 100TI, 100TJ, 100TK, 100TL, 100TM, 100TN, 100TO, 100TP, 100TQ, 100TR, 100TS, 100TT, 100TU, 100TV, 100TW, 100TX, 100TY, 100TZ, 100UA, 100UB, 100UC, 100UD, 100UE, 100UF, 100UG, 100UH, 100UI, 100UJ, 100UK, 100UL, 100UM, 100UN, 100UO, 100UP, 100UQ, 100UR, 100US, 100UT, 100UU, 100UV, 100UW, 100UX, 100UY, 100UZ, 100VA, 100VB, 100VC, 100VD, 100VE, 100VF, 100VG, 100VH, 100VI, 100VJ, 100VK, 100VL, 100VM, 100VN, 100VO, 100VP, 100VQ, 100VR, 100VS, 100VT, 100VU, 100VV, 100VW, 100VX, 100VY, 100VZ, 100WA, 100WB, 100WC, 100WD, 100WE, 100WF, 100WG, 100WH, 100WI, 100WJ, 100WK, 100WL, 100WM, 100WN, 100WO, 100WP, 100WQ, 100WR, 100WS, 100WT, 100WU, 100WV, 100WW, 100WX, 100WY, 100WZ, 100XA, 100XB, 100XC, 100XD, 100XE, 100XF, 100XG, 100XH, 100XI, 100XJ, 100XK, 100XL, 100XM, 100XN, 100XO, 100XP, 100XQ, 100XR, 100XS, 100XT, 100XU, 100XV, 100XW, 100XX, 100XY, 100XZ, 100YA, 100YB, 100YC, 100YD, 100YE, 100YF, 100YG, 100YH, 100YI, 100YJ, 100YK, 100YL, 100YM, 100YN, 100YO, 100YP, 100YQ, 100YR, 100YS, 100YT, 100YU, 100YV, 100YW, 100YX, 100YY, 100YZ, 100ZA, 100ZB, 100ZC, 100ZD, 100ZE, 100ZF, 100ZG, 100ZH, 100ZI, 100ZJ, 100ZK, 100ZL, 100ZM, 100ZN, 100ZO, 100ZP, 100ZQ, 100ZR, 100ZS, 100ZT, 100ZU, 100ZV, 100ZW, 100ZX, 100ZY, 100ZZ
 2. ELECTRICAL WALL PLATES SHALL NOT BE INSTALLED WITHIN 6" OF A BASE OR TOP EDGE.
 3. KITCHEN/SINK SHALL BE PROVIDED WITH SINKHOLE COVER OR IN LIEU OF SINKHOLE COVER WITH SINKHOLE COVER.
 4. THIS FLOOR PLAN WAS PREPARED BY LASALLE AIR SYSTEMS, INC. FOR THE PROJECT AND IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF LASALLE AIR SYSTEMS, INC.

PERIMETER PIPING REQUIRED WHEN ROOF LIVE LOAD > 20 PSF

LEGEND

- BASEBOARD DIFFUSER
- 4x10 FLOOR REGISTER
- FLEX DUCT/DIAM
- CROSSOVER LOCATION
- FURNACE LOCATION

NOTES:

DUCT SYSTEM TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SEE HVAC CALCS FOR MAX. A/C CAPACITY

FLOOR PLAN

ELIZABETHTOWN 22

RIVERKNOLL

4603R

FLOOR PLAN

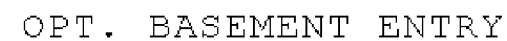
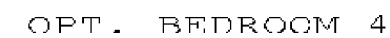
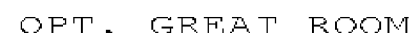
Eliseo A.

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FE.1 D

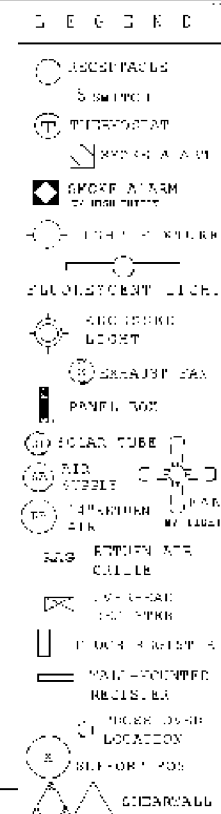
221RK4603R

LEGEND	
	BASEBOARD DIFFUSER
	4x10 FLOOR REGISTER
	FLEX DUCT/DIAM
	CROSSOVER LOCATION
	FURNACE LOCATION
NOTES: DUCT SYSTEM TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE HVAC CALCS FOR MAX. A/C CAPACITY	
FLEETWOOD ELIZABETHTOWN 22	
PRODUCT NAME RIVERKNOLL	
MODEL NO. 4603R	
DRAWING TITLE FLOOR PLAN	
DRAWN BY: Eliseo A.	
DATE: 01/01/01	
SHT	REV
LSLP.1	



NOTE:

1. THIS HVAC SYSTEM MAY BE USED IN LIEU OF STANDARD HVAC SYSTEM.



FLEETWOOD

FILE 2-4-F 'F' ON A
22

REGENT VLMF

 3-V.FKNO^-

Vol. 3, 40.

46032

DRAFT: TUE

F_GGK, P_A1
O2_OK3

DRAWN BY: Philip A.

DATE: 21/01/07

SH⁺ 75%

FIG. 2 A

22 LK4 005K

 **LaSalle Air Systems**
Engineered System Using
5x14 Alum LOOP and
Alum X-overs with
Per. Baseboard Diffusers

L E G E N D

v.1.0

BASEBOARD
DIFFUSER

4x10
FLOOR
REGISTER

 FLEX DUCT/
DIAM

C) CROSSOVER
LOCATION

 FURNACE
LOCATION

NOTES:
DUCT SYSTEM TO BE
INSTALLED PER MANU-
FACTURER'S INSTALLA-
TION INSTRUCTIONS.

SEE HVAC CALCS FOR
MAX. A/C CAPACITY



ELIZABETHTOWN
22

PRODUCT NAME	RIVERKNOLL
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MODEL NO.

4603R

DRAWING TITLE

HVAC
LOOP/PERIMETER

DRAWN BY: Eliseo A.

DATE:

SHT

EV

LSLP.2

221RK4603R