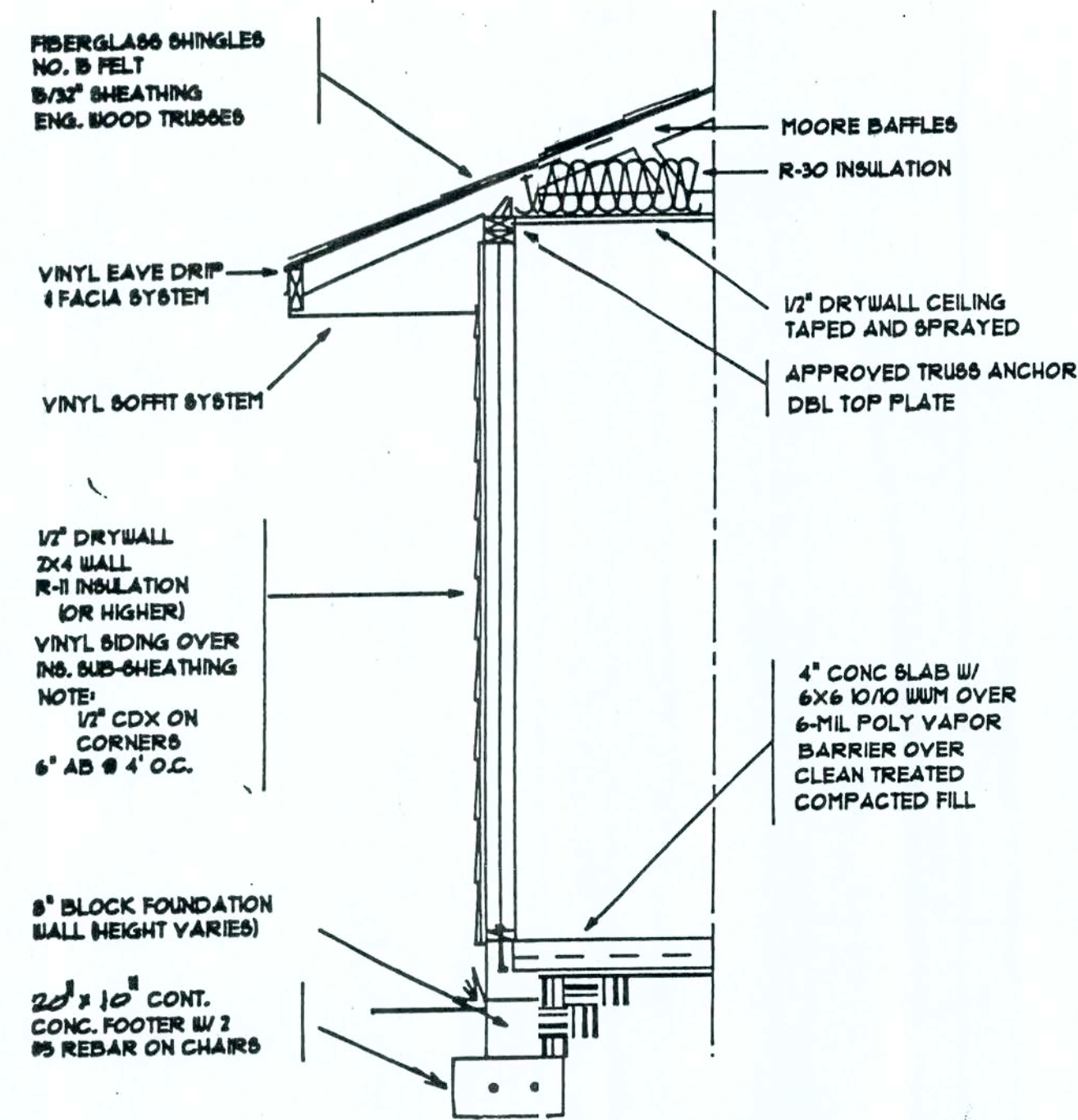
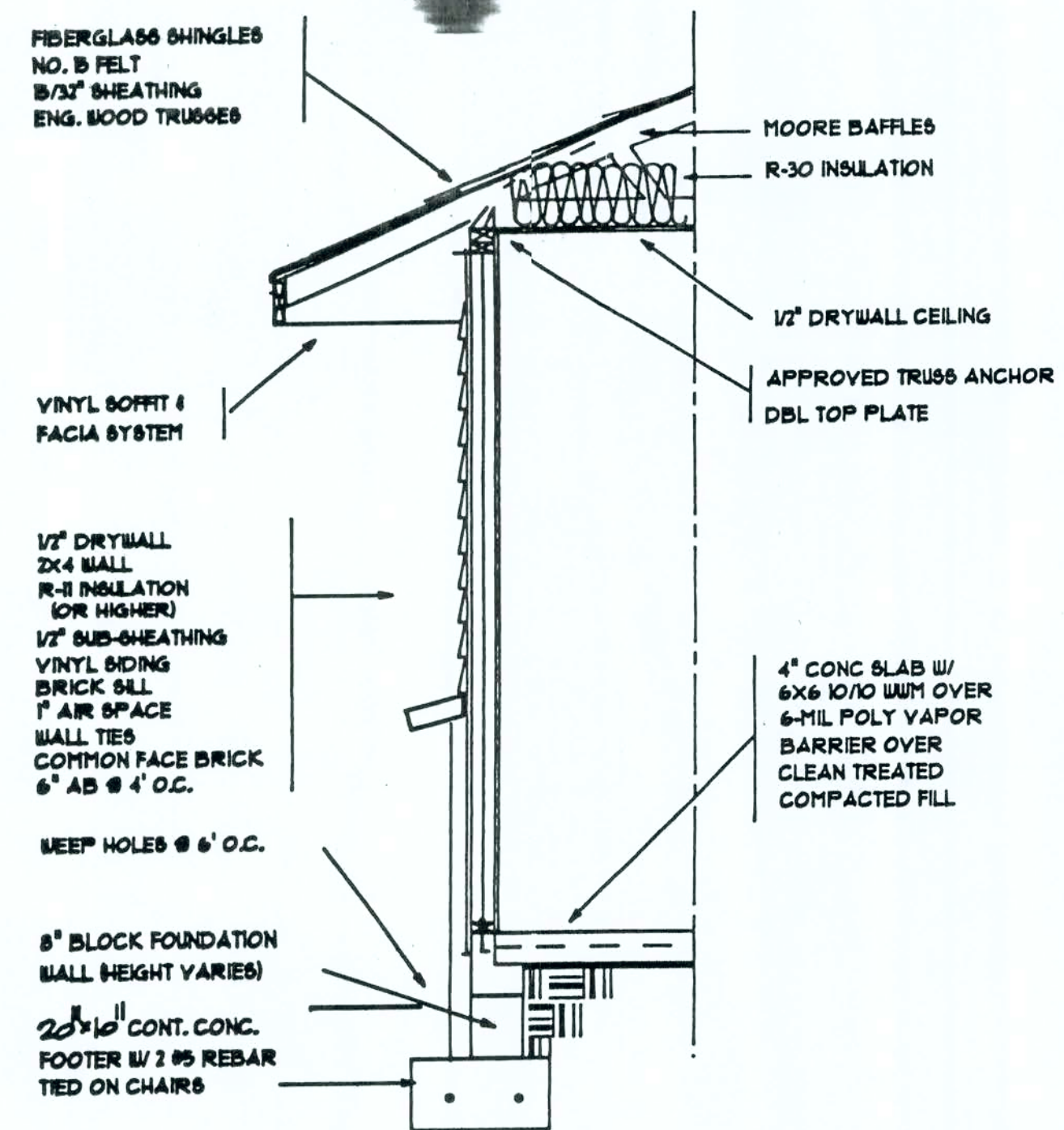
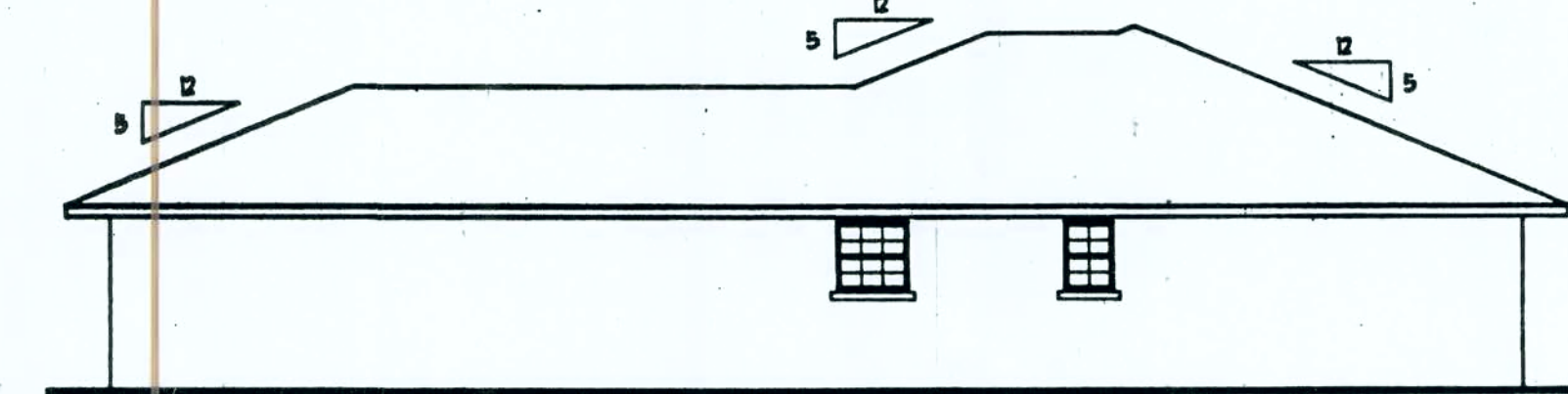
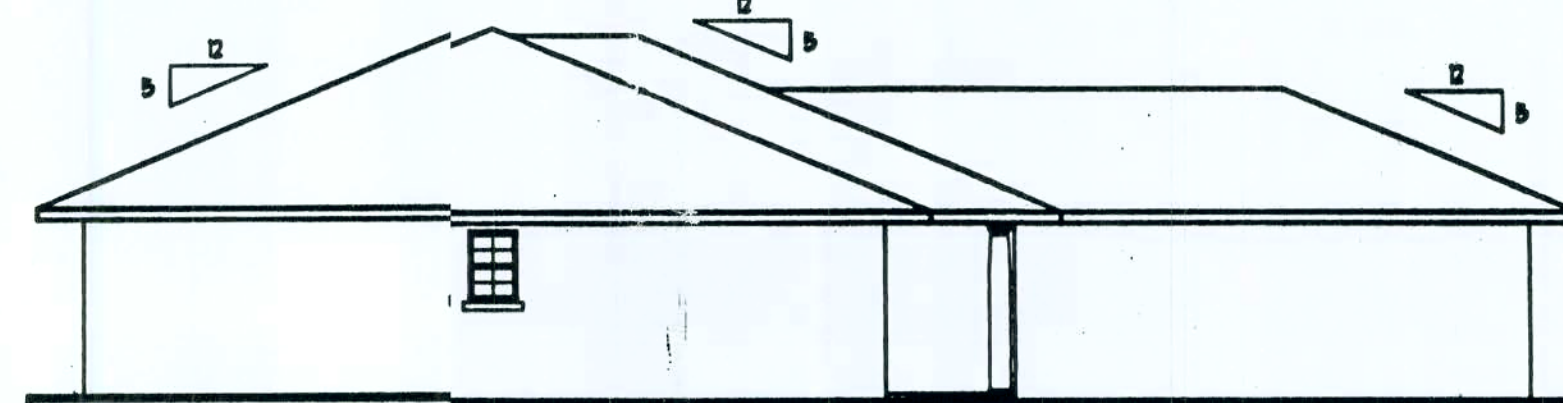
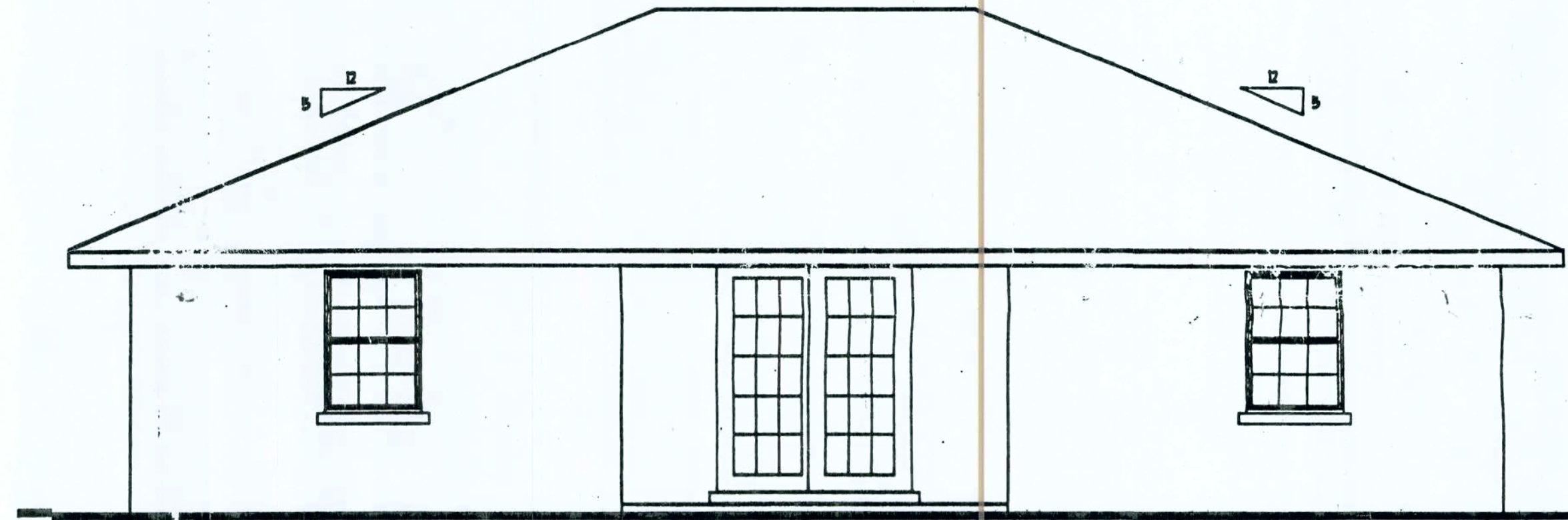




TYPICAL WALL SECTION
2X4 WALL/SIDING/FOUNDATION



TYPICAL WALL SECTION



lot# E-12 SE Elm loop
Meyers, Ross : Gcorgetta

THE MORGAN
EASTSIDE VILLAGE, LAKE CITY, FLORIDA

ELEVATIONS
 $\frac{1}{4}" = 10'$ AND $\frac{1}{8}" = 10'$

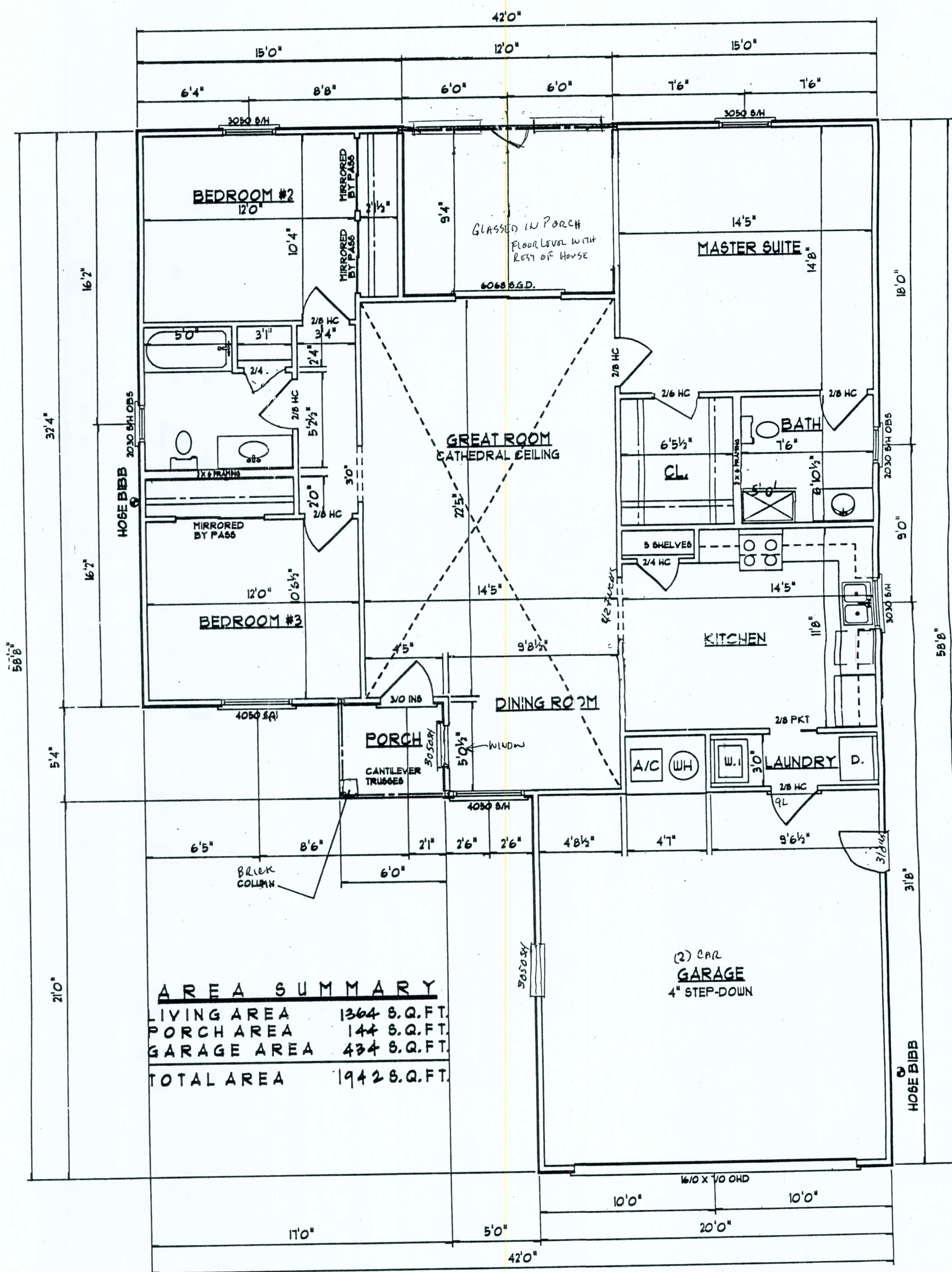
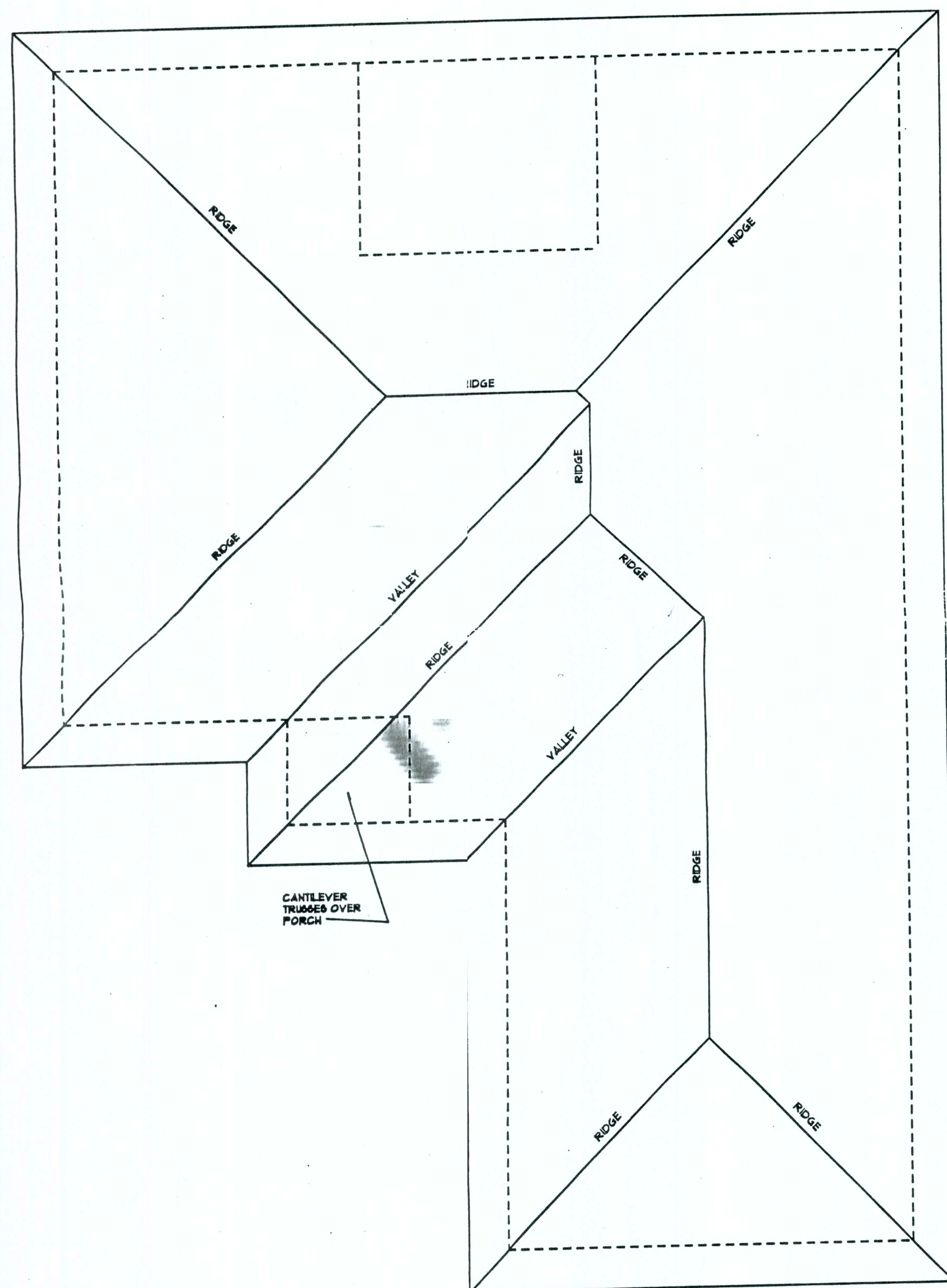
TYPICAL WALL SECTIONS
NO SCALE

PLANS BY FIRST STREET DESIGNS, 1386 SOUTH FIRST STREET, LAKE CITY, FL 32075

All work shall comply with
the Standard Building Code
and all other applicable
local codes and ordinances.

PROJ 340634

SHEET NO. ONE



FLOOR PLAN
1/4" = 1'0"

ROOF PLAN
1/4" = 1'0"

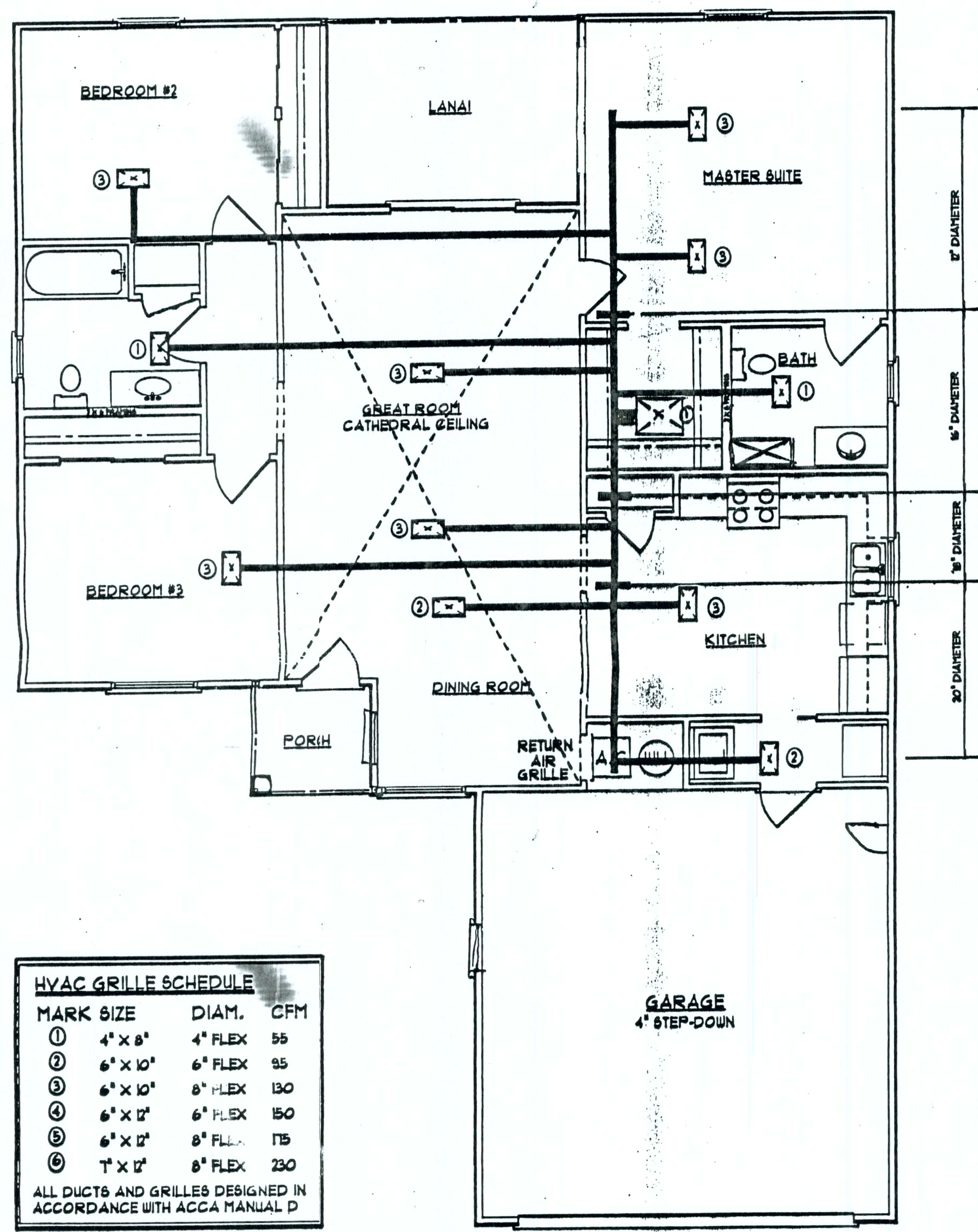
1/4" = 1'0"
ROOF PLAN

THE MORGAN
EASTSIDE VILLAGE, LAKE CITY, FLORIDA

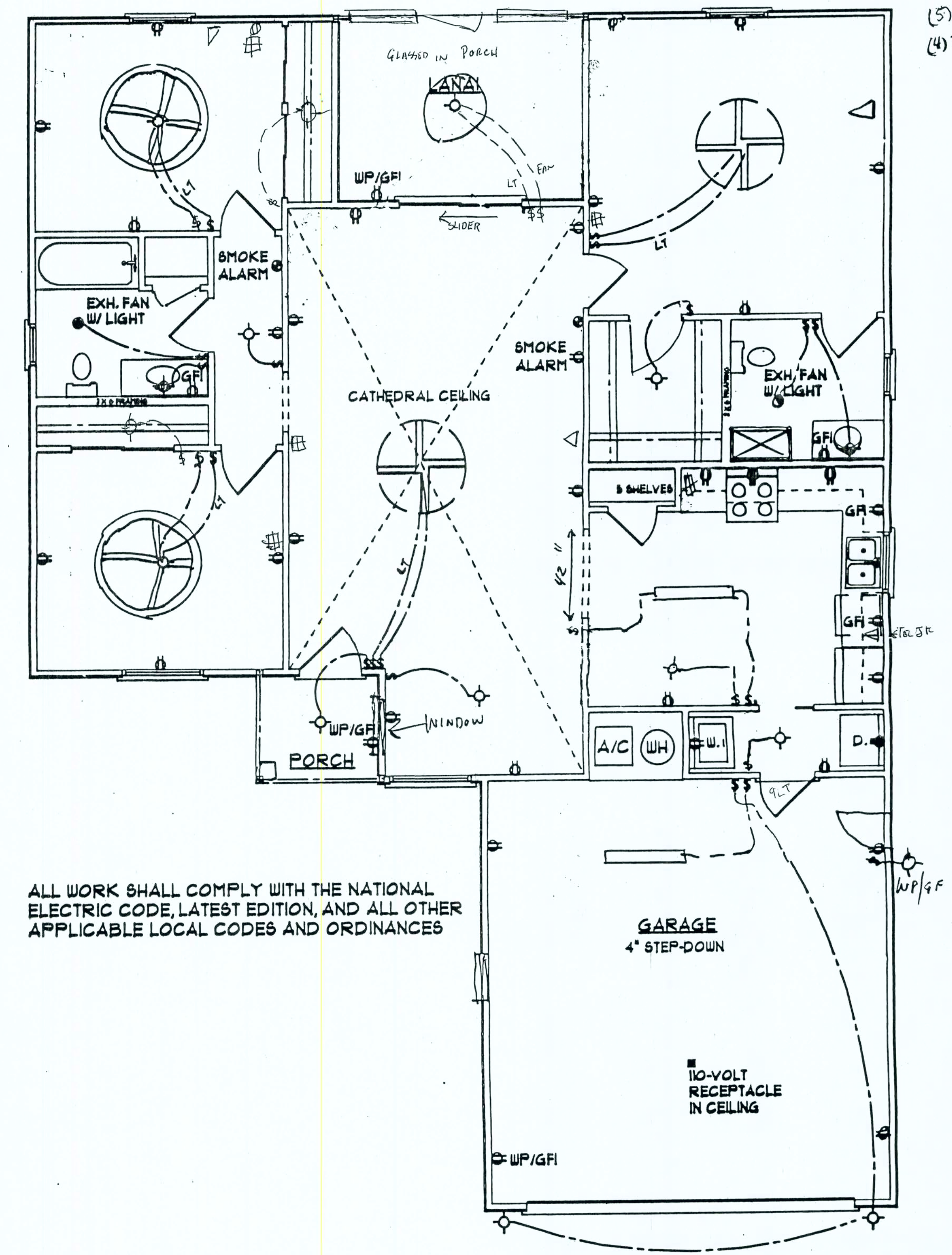
All work shall comply with the Standard Building Code and all other applicable local codes and ordinances.

PROJ 940634

SHEET NO.
THREE



HVAC GRILLE SCHEDULE				
MARK	SIZE	DIAM.	CFM	
①	4" x 8"	4" FLEX	55	
②	6" x 10"	6" FLEX	95	
③	6" x 10"	8" FLEX	130	
④	6" x 12"	6" FLEX	150	
⑤	6" x 12"	8" FLEX	175	
⑥	7" x 12"	8" FLEX	230	
ALL DUCTS AND GRILLES DESIGNED IN ACCORDANCE WITH ACCA MANUAL D				



ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES

05/20/24

ELECTRICAL PLAN
1/4" = 10'

HVAC PLAN
1/4" = 10'

THE MORGAN

EASTSIDE VILLAGE, LAKE CITY, FLORIDA

PLANS BY FIRST STREET DESIGNS, 1886 SOUTH FIRST STREET, LAKE CITY, FL 32025

All work shall comply with the Standard Building Code and all other applicable local codes and ordinances.

PROJ 340634

SHEET NO.
E1

WIND LOAD ENGINEERING - SBC 1997, Section 1606 - 100 MPH Wind Speed - 1.0 Use Factor

EASTSIDE VILLAGE - THE MORGAN MODEL, LOT 5, East Side Village, Lake City FL

Reference: Floor plan and elevation with shear wall identified, attached.

Component	Description	Anchors, Connectors, Reinforcement *					
Footings and Foundations							
Strip footing	20"Wx10"D poured concrete	2-#5 bars, continuous					
Concrete block stem wall	8"x8"x16" block, running bond, w/ header block, fully grouted.	#5 vertical dowel at corners and 96"OC max. Dowels w/ a hook in footing and slab.					
Monolithic footing, alternate.	12"Wx18"D monolithic	2-#5 bars, continuous					
Interior footing	16"Wx12"D monolithic, thickened slab	2-#5 bars, continuous (Check truss engineering for interior bearing walls)					
Porch footing	12"Wx12"D monolithic, widen to 24"x24"x12"D for columns	2-#5 bars, continuous					
Floor System	4" concrete, poured monolithic with stem wall grout.	6"x6"-10/10 welded wire mesh, overlap slab edge bar. 1-5 bar, continuous, in slab edge / stem wall header.					
Notes:	2500psi concrete. Grade 40 bars 25"lap.	Embedded anchors in poured concrete; see applicable components.					
Roof System							
Trusses / Girders	Wood trusses with engineering design provided by truss manufacturer.			Select hurricane clips based on truss engineering uplift actions. Strap rafters to trusses with min uplift 450lb each end.			
	Uplift force, lb.	Top connector - Simpson [®]			Bottom connector - Simpson [®]		
		≤ 415	H2.5	10 – 8d	415	No special connector required.	
		≤ 750	H16 or HDPT1	6 – 10d, 1½"	750	No special connector required.	
		≤ 905	H10	16 – 8d, 1½"	905	SP4 top and bottom at 6'OC	760
		≤ 1250	H16 or HDPT1	10 – 10d, 1½"	1250	SP4 top and bottom at 4'OC	760
		≤ 1245	HTS20	24 – 10d, 1½"	1245	LTT19 w/8 – 16d + ½"AB	1080
		≤ 2490	2 - HTS20	24 – 10d, 1½"	2490	HD2A-2.5", 5/8"AB	2565
	Uplift greater than 2500 lb requires engineering approval.						
Roof sheathing	7/16"OSB perpendicular to trusses w/each row staggered		Nailed to roof framing with 8d common nails 6"OC edge; 12"OC field, 4"OC gable.				

CERTIFICATION:

I hereby certify that the accompanying Wind Load Analysis for EASTSIDE VILLAGE - THE MORGAN MODEL, LOT 5, East Side Village, Lake City, FL demonstrates compliance with SBCCI "Standard Building Code", Section 1606, to the best of my knowledge.

Mark Disosway
 01/01/01

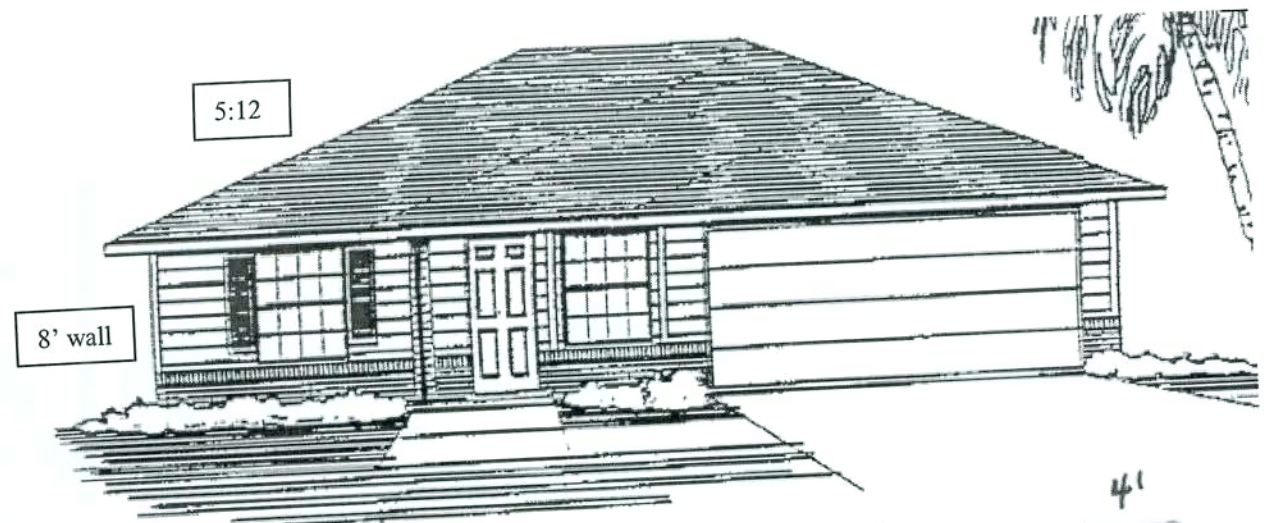
Mark D. Disosway III

Component	Description	Anchors, Connectors, Reinforcement *				
Shear Wall Segments						
Sole plate	2x PT pine bearing on foundation wall.	Anchor bolts 1/2"-A307, 2"washer, 7"min. embedment, st -8"from corner, then 48"OC max.				
Studs	SPF#2 at 16"OC (1-2x4 to 10'8", 2-2x4 to 13'6", 3-2x4 to 15'6", 1-2x6 to 17'3", 2-2x6 to 21'6").	SP4 hold down on bottom of corner studs at each end of walls with shear wall segments. Sheathing nailing alone is adequate for uplift.				
Double top plate	2 - 2x4 (or 2x6) SPF No.1&2	Overlap splices 4'; nail splice with 2-16d common nails 2"OC.				
Sheathing	7/16"OSB, 48"W placed vertically, continuous from top plate to sole plate. Block all joints.	8d common nails, 3"OC top, 4"OC bot, 4"OC edge, 8"OC field. (OSB must cover top plate or use LSTA9 at 32"OC.)				
Other walls						
Exterior walls	Same as shear walls.	Same as shear walls.				
Interior load bearing walls	2x4 SPF No.1&2 at 16"OC, PT pine sole plate. (Check truss engineering for interior bearing walls.)	SP2 top and SP1 bottom of stud 32"OC provides 265lb uplift per lineal foot of wall (for up to 485 lb/ft apply SP1&2 16"OC). Anchor bolts, 1/2"-A307, 2"washer, 7"embedment, 6"from ends, then 48"OC.				
Headers with uplift	Header design per SBC.		Select connectors for top and bottom of header studs based on truss manufacturer's engineered uplift reactions. End nail header to each header stud with 6 – 12d.*			
	To determine uplift at each end of header, total uplifts for all trusses bearing on header and divide by 2. * (Example connectors table below.)	Uplift force, lb.	Top connector		Bottom connector	
		≤ 800	End nail with 6 – 12d.		SP4, 6 – 10d	690
		≤ 1500	LSTA12	755	2 - SP4, 6–10d-1½", ½"A.	1380
		≤ 1750	1-LSTA18	1055	LTT20B-nail	1750
		≤ 2500	2-LSTA18	2110	HD2A-2.5"	2565
	Uplift greater than 2500 lb requires engineering approval.					
Cripples	2x4 SPF No.1&2 W/ 7/16"OSB	Sheathing nailing alone is adequate for uplift. 8d common nails 4"OC.				

* Manufacturer and product number for connectors, anchors, and reinforcement are listed for example not endorsement. An equivalent device of the same or other manufacturer can be substituted for any devices listed in the example tables as long as it meets the required load capacities.

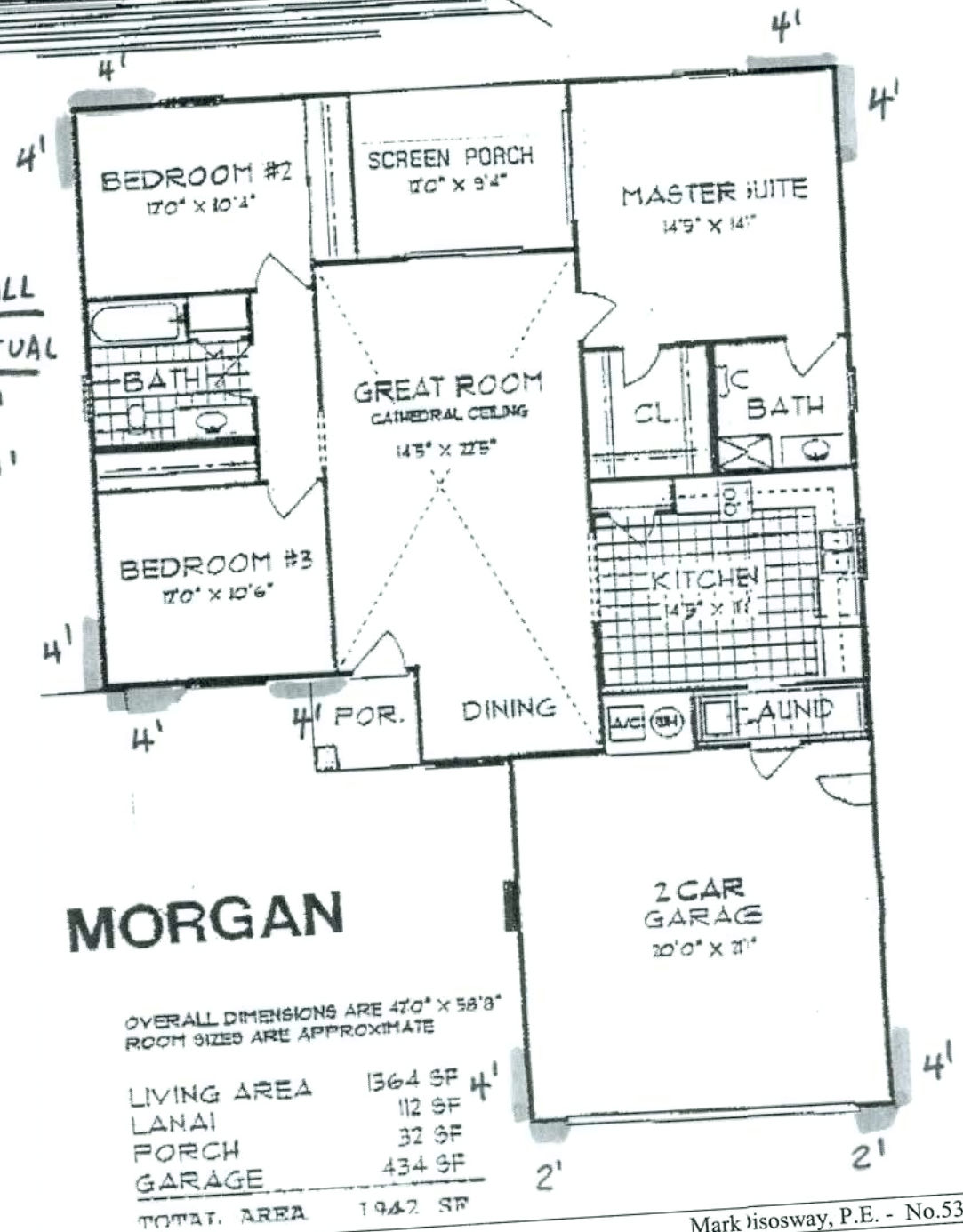
* It is the builder's responsibility to provide a continuous load path from trusses to foundation.

Note: This report establishes the minimum requirements for wind load stability. It is the owner/builder's responsibility to provide materials and construction techniques, which comply with SBC requirements for the stated wind velocity.



TOTAL SHEAR WALL

RGD	ACTUAL
6.3'	16'
14'	20'



00145	Project number
The Morgan	Project name
	Owner
First Street Designs	Client
Columbia	Location
2-Feb-00	Date of data entry
100 mph	Wind Speed
1	Use factor
Enclosed	Degree of enclosure
Permanent	Permanent or relocatable building
New residence	Type of building
1	One or Two story building
L-shaped	General shape of building (show diagram)
Hip	Gable end or Hip
42.0 ft	L, Length, parallel to ridge, along bearing walls out to out of studs
20.0 ft	L2, "L" stem
37.7 ft	W1, Width, perpendicular to ridge, along end walls
21.0 ft	W2, "L" stem
5.0:12	Roof slope
2.0 ft	Roof overhang, end wall
2.0 ft	Roof overhang, long wall
2.0 ft	Normal truss spacing
2.0 ft	Normal gable end rake overhang outlooker spacing
8.1 ft	Normal height of exterior walls
16 in	Normal stud spacing

7.3 ft	Eave height, end wall
7.3 ft	Eave height, long wall
22.6 deg	Roof slope
12.6 ft	Mean roof height 33ft max
20.4 psf	Velocity pressure
3.8 ft	Edge strip width

Wind perpendicular to the ridge shearwall analysis
 Wind pressure based on MMFRS coeff, SBC 1999, Fig.1606.2B

Zone	1E	2E	3E	4E	1	2	3	4	OvrHng
GCp coefficient	0.7	-1	-1	-0.95	0.4	-0.75	-0.75	-0.7	-1.5
254 ft2	Vertical projection of roof								
3738 lb	Transverse Wind Force at Top of Wall								
16"OC	Wall studs spacing								
SPF No1&2	Wall stud framing lumber								
7/16" OSB	Wall shear siding material - All edges nailed								
8d Common	Fasteners								
4"OC	Fastener edge spacing								
8"OC	Fastener interior spacing								
5d 7"OC edge, 1/2" gyp									
590 plf	Allowable unit shear on shearwalls								
6.3 ft	MINIMUM REQUIRED TOTAL SHEARWALL LENGTH								
20 ft	Actual transverse shearwalls								
150 plf	Allowable unit shear on roof diaphragm								
25 ft	Minimum required total dragstrut length								
111 ft	Actual endwalls dragstrut								
OK SBC	Code compliance								

Wind parallel to the ridge shearwall analysis
 Wind pressure based on MMFRS coeff, SBC 1999, Table 1606.2C

Zone	2E	3E	5E	6E	2	3	5	6
GCp coefficient	-1	-0.4	0.9	-0.3	-0.6	-0.25	0.65	-0.15
279 ft2	Vertical projection of roof							
8273 lb	Longitudinal Wind Force at Top of Wall							
16"OC	Wall studs spacing							
SPF No1&2	Wall stud framing lumber							
7/16" OSB	Wall shear siding material - All edges nailed							
8d Common	Fasteners							
4"OC	Fastener edge spacing							
8"OC	Fastener interior spacing							
5d 7"OC edge, 1/2" gyp								
590 plf	Allowable unit shear on shearwalls							
14.0 ft	MINIMUM REQUIRED TOTAL SHEARWALL LENGTH							
21.5 ft	Actual longitudinal shearwalls							
150 plf	Allowable unit shear on roof diaphragm							
55 ft	Minimum required total dragstrut length							
82 ft	Actual endwalls dragstrut							
OK SBC	Code compliance							

RIGHT-J LOAD AND EQUIPMENT SUMMARY

For: EASTSIDE VILLAGE
EAST BAYA AVENUE
LAKE CITY
904-752-8267

FL 3205

By: FIRST STREET DESIGNS, INC.
2630-B NW 41ST STREET
GAINESVILLE
352-375-0444

FL 3206

AIR-TO-AIR HEAT PUMP
ASSUMED EAST ORIENTATION

Job #: 96070.
Wthr : Gainesville_AP_(S) FL
Zone :

WINTER DESIGN CONDITIONS

Outside db: 31 Deg F
Inside db: 70 Deg F
Design TD: 39 Deg F

SUMMER DESIGN CONDITIONS

Outside db: 93 Deg F
Inside db: 75 Deg F
Design TD: 18 Deg F
Daily Range M
Rel. Hum. : 50 %
Grains Water 51 gr

HEATING SUMMARY

Bldg. Heat Loss 24779 Btuh
Ventilation Air 100 CFM
Vent Air Loss 4290 Btuh
Design Heat Load 29069 Btuh

SENSIBLE COOLING EQUIP LOAD SIZING

Structure 16068 Btuh
Ventilation 1980 Btuh
Design Temp. swing 3.0 Deg F
Use Mfg. Data n
Rate/Swing Mut. 1.00
Total Sens Equip Load 18048 Btuh

INFILTRATION

Const Qual a # Fireplaces 0

	HEATING	COOLING
Area (sq.ft.)	1289	1289
Volume (cu.ft.)	10742	10742
Air Changes/Hour	1.0	0.5
Equivalent CFM	179	90

LATENT COOLING EQUIP LOAD SIZING

Internal Gain: 920 Btuh
Ventilation 3468 Btuh
Infiltration 3111 Btuh
Tot Latent Equip Load 7499 Btuh
Total Equip Load 25547 Btuh

HEATING EQUIPMENT SUMMARY

Make
Model
Type

Efficiency / HSPF 7.4
Heating Input 0 Btuh
Heating Output 0 Btuh
Heating Temp Rise 0 Deg F
Actual Heating Fan 696 CFM
Htg Air Flow Factor 0.028 CFM/Btuh

Space Thermostat

COOLING EQUIPMENT SUMMARY

Make
Model
Type

COP/EER/SEER 10.5
Sensible Cooling 0 Btuh
Latent Cooling 0 Btuh
Total Cooling 0 Btuh
Actual Cooling Fan 696 CFM
Clg Air Flow Factor 0.043 CFM/Btuh

Load Sens Heat Ratio 80

MANUAL J: 7th Ed. RIGHT-J: V1.74 S/N 4149
Printout certified by ACCA to meet all requirements of Manual Form J

RIGHT-J CALCULATION PROCEDURES A,B,C,D

Job #: 960704

Procedure A - Winter Infiltration HTM Calculation*

1. Winter Infiltration CFM
 $1.0 \text{ AC/HR} \times 10742 \text{ Cu.Ft.} \times 0.0167 = 179 \text{ CFM}$
2. Winter Infiltration Btuh
 $1.1 \times 179 \text{ CFM} \times 39 \text{ Winter TD} = 7696 \text{ Btuh}$
3. Winter Infiltration HTM
 $7696 \text{ Btuh} / 197 \text{ Total Window \& Door Area} = 39.1 \text{ HTM}$

Procedure B - Summer Infiltration HTM Calculation*

1. Summer Infiltration CFM
 $0.5 \text{ AC/HR} \times 10742 \text{ Cu.Ft.} \times 0.0167 = 90 \text{ CFM}$
2. Summer Infiltration Btuh
 $1.1 \times 90 \text{ CFM} \times 18 \text{ Summer TD} = 1776 \text{ Btuh}$
3. Summer Infiltration HTM
 $1776 \text{ Btuh} / 197 \text{ Total Window \& Door Area} = 9.0 \text{ HTM}$

Procedure C - Latent Infiltration Gain

$$0.68 \times 51 \text{ gr.diff.} \times 90 \text{ CFM} = 3111 \text{ Btuh}$$

Procedure D - Equipment Sizing Loads

1. Sensible Sizing Load

$$\begin{aligned}
 &\text{Sensible Ventilation Load} \\
 &1.1 \times 100 \text{ Vent.CFM} \times 18 \text{ Summer TD} = 1980 \text{ Btuh} \\
 &\text{Sensible Load for Structure (Line 19)} + 16068 \text{ Btuh} \\
 &\text{Sum of Ventilation and Structure Loads} = 18048 \text{ Btuh} \\
 &\text{Rating and Temperature Swing Multiplier} \times 1.00 \text{ RSM} \\
 &\text{Equipment Sizing Load - Sensible} + 18048 \text{ Btuh}
 \end{aligned}$$

2. Latent Sizing Load

$$\begin{aligned}
 &\text{Latent Ventilation Load} \\
 &0.68 \times 100 \text{ Vent.CFM} \times 51 \text{ gr.diff.} = 3468 \text{ Btuh} \\
 &\text{Internal Loads} = 230 \times 4 \text{ No. People} + 920 \text{ Btuh} \\
 &\text{Infiltration Load From Procedure C} + 3111 \text{ Btuh} \\
 &\text{Equipment Sizing Load - Latent} = 7499 \text{ Btuh}
 \end{aligned}$$

*Construction Quality is: a No. of Fireplaces is: 0
 MANUAL J: 7th Ed. RIGHT-J: V1.74 ;/N 4149
 Printout certified by ACCA to meet all requirements of Manual Form J

1	Name of Room	Entire House					MASTER BEDROOM				
2	Running Ft. Exposed Wall	144.2 Ft.					30.7 Ft.				
3	Room Dimensions, Ft.	12.0 x 18.7 Ft.					8.0 heat/cool				
4	Ceilings, Ft Condit. Option	8.3									
TYPE OF EXPOSURE		CST NO.	HTM Htg	HTM Clg	Area Length	Btuh Htg	Btuh Clg	Area Length	Btuh Htg	Btuh Clg	
5	Gross Exposed Walls and Partitions	a	12C	3.5	1.9	1009	****	****	245	****	****
		b	13C	1.8	1.2	204	****	****	0	****	****
		c		0.0	0.0	0	****	****	0	****	****
		d		0.0	0.0	0	****	****	0	****	****
		e		0.0	0.0	0	****	****	0	****	****
		f		0.0	0.0	0	****	****	0	****	****
6	Windows & Glass Doors Htg.	a	3C	28.3	**	117	3319	****	26	735	****
		b	80	28.3	**	40	1131	****	0	0	****
		c		0.0	**	0	0	****	0	0	****
		d		0.0	**	0	0	****	0	0	****
		e		0.0	**	0	0	****	0	0	****
		f		0.0	**	0	0	****	0	0	****
7	Windows & Glass Doors Clg.	North		16.0	49	****	776	16	****	256	
		NE&NW		33.0	9	****	287	0	****	0	
		E&W		46.0	100	****	4609	10	****	461	
		SE&SW		0.0	0	****	0	0	****	0	
		South		0.0	0	****	0	0	****	0	
		Horz		0.0	0	****	0	0	****	0	
8	Othr doors	a	11A	23.0	12.7	40	920	510	0	0	0
		b	11A	23.0	12.7	0	0	0	0	0	0
9	Net Exposed Walls and Partitions	a	12C	3.5	1.9	832	2920	1617	219	770	426
		b	13C	1.8	1.2	184	331	215	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
		d		0.0	0.0	0	0	0	0	0	0
		e		0.0	0.0	0	0	0	0	0	0
		f		0.0	0.0	0	0	0	0	0	0
10	Ceilings	a	16G	1.3	1.4	1286	1655	1782	224	288	311
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
11	Floors	a	22A	31.6	0.0	144	4554	0	31	969	0
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
12	Infiltration	a		39.0	9.0	197	7696	1776	26	1014	234
13	Subtot Btuh Loss=6+8..+11+12	****				22527	****	****	3776	****	
14	Duct Btuh Loss	10%				2253	****	10%	378	****	
15	Total Btuh Loss = 13+14	****				24779	****	****	4154	****	
16	Int. Gains: People @ 300	4				****	1200	2	****	600	
	Appl. @ 1200	1				****	1200	0	****	0	
17	Subtot RSH Gain=7+8..+12+16	****				****	13972	****	****	2287	
18	Duct Btuh Gain	15%				****	2096	15%	****	343	
19	Total RSH Gain = 17+18	****				****	16068	****	****	2631	
20	CFM Air Required	****				****	696	****	117	114	

1	Name of Room	MASTER BATH/CLOS				LIVING/DINING					
2	Running Ft. Exposed Wall	24.0 Ft.				30.0 Ft.					
3	Room Dimensions, Ft.	12.0 x 12.0 Ft.				15.0 : 30.7 Ft.					
4	Ceilngs,Ft Condit. Option	8.0 heat/cool				10.0 heat/cool					
TYPE OF EXPOSURE		CST NO.	HTM Htg	HTM Clg	Area Length	Btuh Htg	Btuh Clg	Area Length	Btuh Htg	Btuh Clg	
5	Gross Exposed Walls and Partitions	a	12C	3.5	1.9	192	****	****	300	****	****
		b	13C	1.8	1.2	0	****	****	0	****	****
		c		0.0	0.0	0	****	****	0	****	****
		d		0.0	0.0	0	****	****	0	****	****
		e		0.0	0.0	0	****	****	0	****	****
		f		0.0	0.0	0	****	****	0	****	****
6	Windows & Glass Doors Htg.	a	3C	28.3	**	13	368	****	26	735	****
		b	80	28.3	**	0	0	****	40	1131	****
		c		0.0	**	0	0	****	0	0	****
		d		0.0	**	0	0	****	0	0	****
		e		0.0	**	0	0	****	0	0	****
		f		0.0	**	0	0	****	0	0	****
7	Windows & Glass Doors Clg.	North		16.0	3	****	48	12	****	190	
		NE&NW		33.0	0	****	0	0	****	0	
		E&W		46.0	10	****	460	54	****	2488	
		SE&SW		0.0	0	****	0	0	****	0	
		South		0.0	0	****	0	0	****	0	
		Horz		0.0	0	****	0	0	****	0	
8	Othr doors	a	11A	23.0	12.7	0	0	0	20	460	255
		b	11A	23.0	12.7	0	0	0	0	0	0
9	Net Exposed Walls and Partitions	a	12C	3.5	1.9	179	628	348	214	751	416
		b	13C	1.8	1.2	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
		d		0.0	0.0	0	0	0	0	0	0
		e		0.0	0.0	0	0	0	0	0	0
		f		0.0	0.0	0	0	0	0	0	0
10	Ceilings	a	16G	1.3	1.4	144	185	200	460	592	638
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
11	Floors	a	22A	31.6	0.0	24	758	0	30	948	0
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
12	Infiltration	a		39.0	9.0	13	507	117	86	3353	774
13	Subtot Btuh Loss=6+8..+11+12	****			****	2446	****	****	7970	****	
14	Duct Btuh Loss	10%			****	245	****	10%	797	****	
15	Total Btuh Loss = 13+14	****			****	2691	****	****	8767	****	
16	Int. Gains: People @ 300 Appl. @ 1200				0	****	0	0	****	0	
					0	****	0	0	****	0	
17	Subtot RSH Gain=7+8..+12+16	****			****	1173	****	****	4761		
18	Duct Btuh Gain	15%			****	176	15%	****	714		
19	Total RSH Gain = 17+18	****			****	1349	****	****	5475		
20	CFM Air Required	****			****	76	58	****	246	237	

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1	Name of Room	BEDROOM 2	BATH 2 & CORE
2	Running Ft. Exposed Wall	27.0 Ft.	6.5 Ft.
3	Room Dimensions, Ft.	15.0 x 12.0 Ft.	15.0 x 6.5 Ft.
4	Ceilings, Ft Condit. Option	8.0 heat/cool	8.0 heat/cool

	TYPE OF EXPOSURE		CST NO.	HTM Htg	HTM Clg	Area Length	Btuh		Area Length	Btuh	
							Htg	Clg		Htg	Clg
5	Gross Exposed Walls and Partitions	a	12C	3.5	1.9	120	****	****	0	****	****
		b	13C	1.8	1.2	96	****	****	52	****	****
		c		0.0	0.0	0	****	****	0	****	****
		d		0.0	0.0	0	****	****	0	****	****
		e		0.0	0.0	0	****	****	0	****	****
		f		0.0	0.0	0	****	****	0	****	****
6	Windows & Glass Doors Htg.	a	3C	28.3	**	13	368	****	0	0	****
		b	80	28.3	**	0	0	****	0	0	****
		c		0.0	**	0	0	****	0	0	****
		d		0.0	**	0	0	****	0	0	****
		e		0.0	**	0	0	****	0	0	****
		f		0.0	**	0	0	****	0	0	****
7	Windows & Glass Doors Clg.	North		16.0		3	****	48	0	****	0
		NE&NW		33.0		0	****	0	0	****	0
		E&W		46.0		10	****	461	0	****	0
		SE&SW		0.0		0	****	0	0	****	0
		South		0.0		0	****	0	0	****	0
		Horz		0.0		0	****	0	0	****	0
8	Othr doors	a	11A	23.0	12.7	0	0	0	0	0	0
		b	11A	23.0	12.7	0	0	0	0	0	0
9	Net Exposed Walls and Partitions	a	12C	3.5	1.9	107	376	208	0	0	0
		b	13C	1.8	1.2	96	173	112	52	94	61
		c		0.0	0.0	0	0	0	0	0	0
		d		0.0	0.0	0	0	0	0	0	0
		e		0.0	0.0	0	0	0	0	0	0
		f		0.0	0.0	0	0	0	0	0	0
10	Ceilings	a	16G	1.3	1.4	180	232	249	98	125	135
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
11	Floors	a	22A	31.6	0.0	27	853	0	7	205	0
		b		0.0	0.0	0	0	0	0	0	0
		c		0.0	0.0	0	0	0	0	0	0
12	Infiltration	a		39.0	9.0	13	507	117	0	0	0
13	Subtot Btuh Loss=6+8..+11+12	****				****	2507	****	****	424	****
14	Duct Btuh Loss	10%				****	251	****	10%	42	****
15	Total Btuh Loss = 13+14	****				****	2758	****	****	467	****
16	Int. Gains: People @ 300	2				****	600		0	****	0
	Appl. @ 1200	0				****	0		0	****	0
17	Subtot RSH Gain=7+8..+12+16	****				****	1795	****	****	196	****
18	Duct Btuh Gain	15%				****	269	15%	****	29	****
19	Total RSH Gain = 17+18	****				****	2065	****	****	225	****
20	CFM Air Required	****				****	77	89	****	13	10

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1	Name of Room	KITCHEN/NOOK				26.0 Ft.		Ft.			
2	Running Ft. Exposed Wall	15.0				x 12.0 Ft.		Ft.			
3	Room Dimensions, Ft.	8.0				heat/cool		x			
4	Ceilings, Ft Condit. Option										
TYPE OF EXPOSURE		CST NO.	HTM Htg	HTM Clg	Area Length	Btuh Htg	Btuh Clg	Area Length	Btuh Htg	Btuh Clg	
5	Gross Exposed Walls and Partitions	a	12C	3.5	1.9	152	****	****		****	****
		b	13C	1.8	1.2	56	****	****		****	****
		c		0.0	0.0	0	****	****		****	****
		d		0.0	0.0	0	****	****		****	****
		e		0.0	0.0	0	****	****		****	****
		f		0.0	0.0	0	****	****		****	****
6	Windows & Glass Doors Htg.	a	3C	28.3	**	39	1114	****			****
		b	80	28.3	**	0	0	****			****
		c		0.0	**	0	0	****			****
		d		0.0	**	0	0	****			****
		e		0.0	**	0	0	****			****
		f		0.0	**	0	0	****			****
7	Windows & Glass Doors Clg.	North		16.0	15	****	234		***		
		NE&NW		33.0	9	****	287		***		
		E&W		46.0	16	****	738		***		
		SE&SW		0.0	0	****	0		***		
		South		0.0	0	****	0		***		
		Horz		0.0	0	****	0		***		
8	Othr doors	a	11A	23.0	12.7	20	460	255			
		b	11A	23.0	12.7	0	0	0			
9	Net Exposed Walls and Partitions	a	12C	3.5	1.9	113	395	219			
		b	13C	1.8	1.2	36	65	42			
		c		0.0	0.0	0	0	0			
		d		0.0	0.0	0	0	0			
		e		0.0	0.0	0	0	0			
		f		0.0	0.0	0	0	0			
10	Ceilings	a	16G	1.3	1.4	180	232	249			
		b		0.0	0.0	0	0	0			
		c		0.0	0.0	0	0	0			
11	Floors	a	22A	31.6	0.0	26	821	0			
		b		0.0	0.0	0	0	0			
		c		0.0	0.0	0	0	0			
12	Infiltration	a		39.0	9.0	59	2316	534			
13	Subtot Btuh Loss=6+8..+11+12	****		5403		****		****		****	
14	Duct Btuh Loss	10%		540		****		****		****	
15	Total Btuh Loss = 13+14	****		5943		****		****		****	
16	Int. Gains: People @	300		0		****		0	***		
		Appl. @ 1200		1		****		1200	***		
17	Subtot RSH Gain=7+8..+12+16	****		****		3760		****	****		
18	Duct Btuh Gain	15%		564		****		****	****		
19	Total RSH Gain = 17+18	****		4324		****		****	****		
20	CFM Air Required	****		167		187		****			