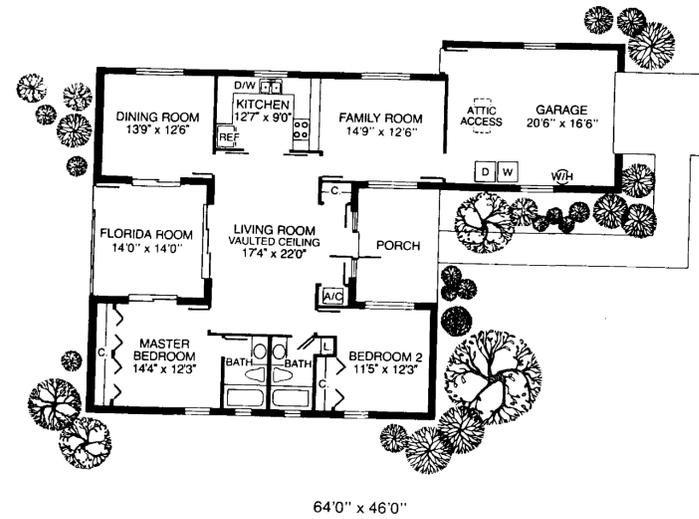
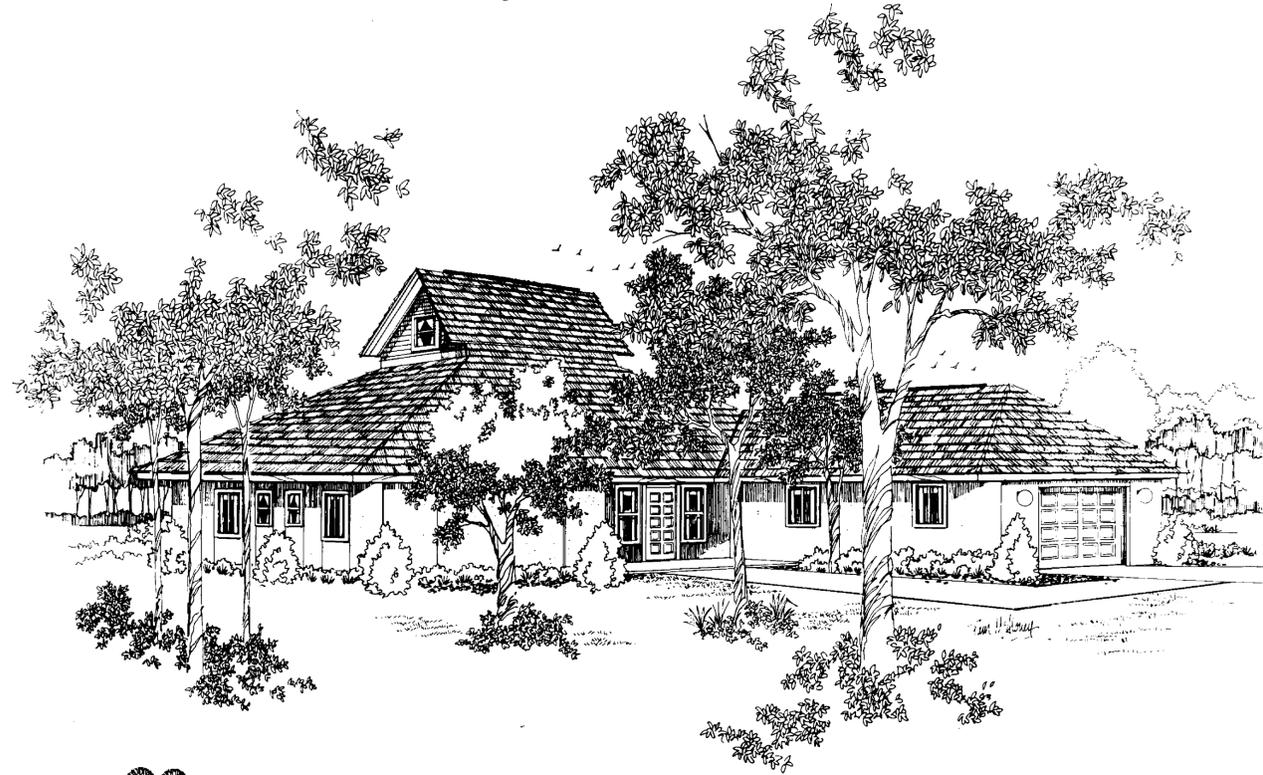


# Sea Breeze



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FLORIDA SOLAR ENERGY CENTER  
DESIGNED BY TOM WOOD U. OF FLORIDA  
DEPT. OF ARCHITECTURE GAINESVILLE, FL.

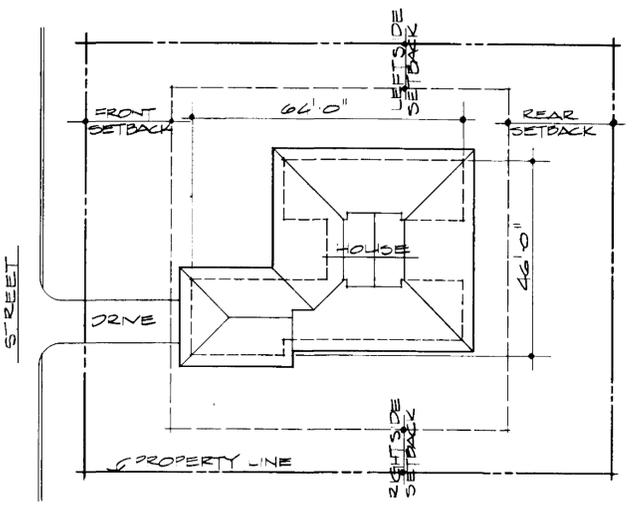
COVER  
SHEET

DRAWING INDEX	
1	SITE PLAN, FOUNDATION PLAN, ROOF FRAMING PLAN, DETAILS
2	FLOOR PLAN, INTERIOR ELEVATIONS
3	EXTERIOR ELEVATIONS
4	BUILDING CROSS-SECTIONS, WALL SECTION
5	ELECTRICAL & PLUMBING PLAN
6	MECHANICAL PLAN

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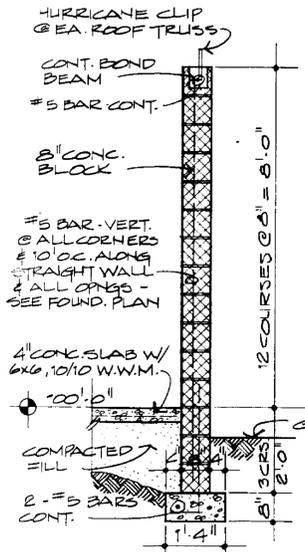
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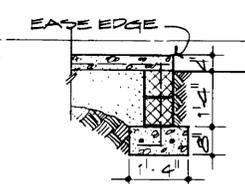


2 SITE PLAN  
1/4" = 1'-0"

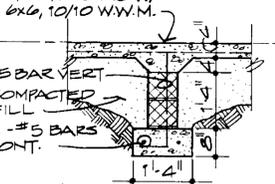
- GENERAL NOTES:
- VERIFY SERVICE ENTRY POINTS & METER LOCATIONS WITH LOCAL UTILITIES.
  - ZONING DISTRICT: \_\_\_\_\_  
MIN. SETBACK DISTANCE:  
FRONT \_\_\_\_\_  
REAR \_\_\_\_\_  
RIGHT \_\_\_\_\_  
LEFT \_\_\_\_\_  
PROPERTY DIMENSIONS:  
WIDTH \_\_\_\_\_  
DEPTH \_\_\_\_\_



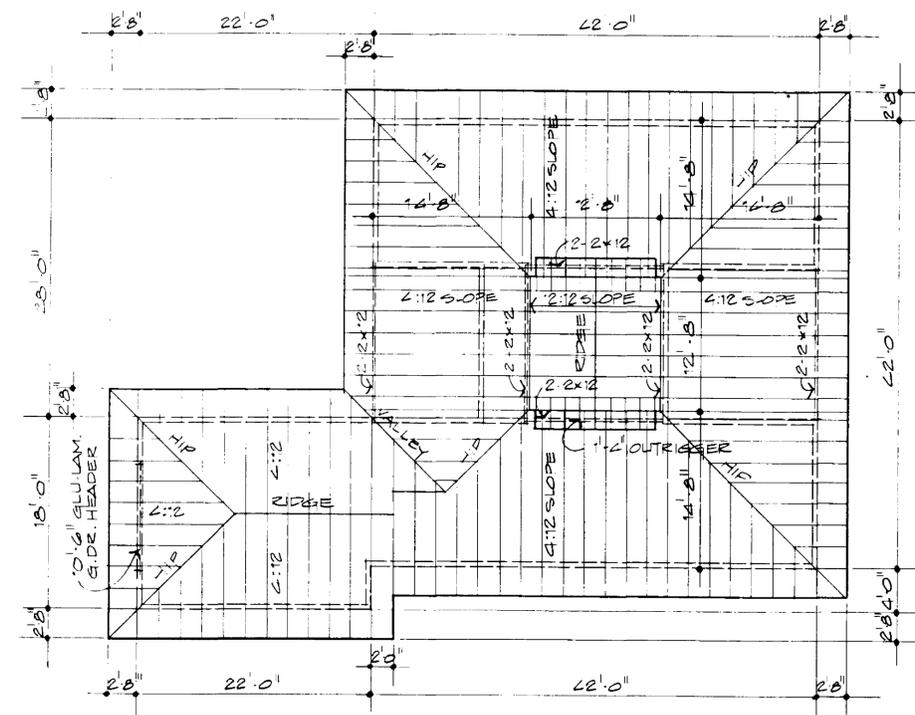
3 TYP. WALL  
1/2" = 1'-0"



4 PORCH FTG.  
1/2" = 1'-0"

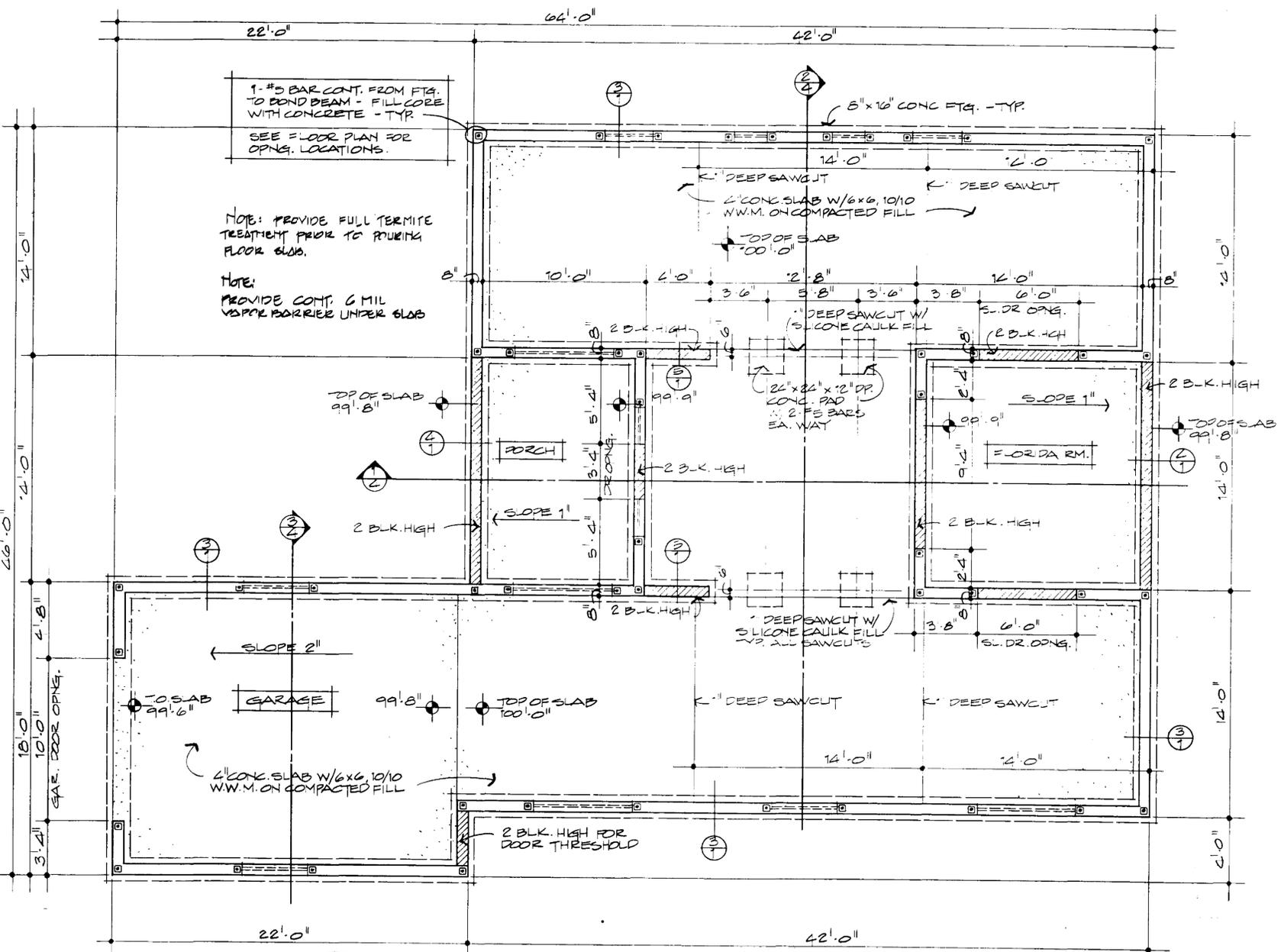


5 INT. FTG.  
1/2" = 1'-0"



6 ROOF FRAMING PLAN  
1/8" = 1'-0"

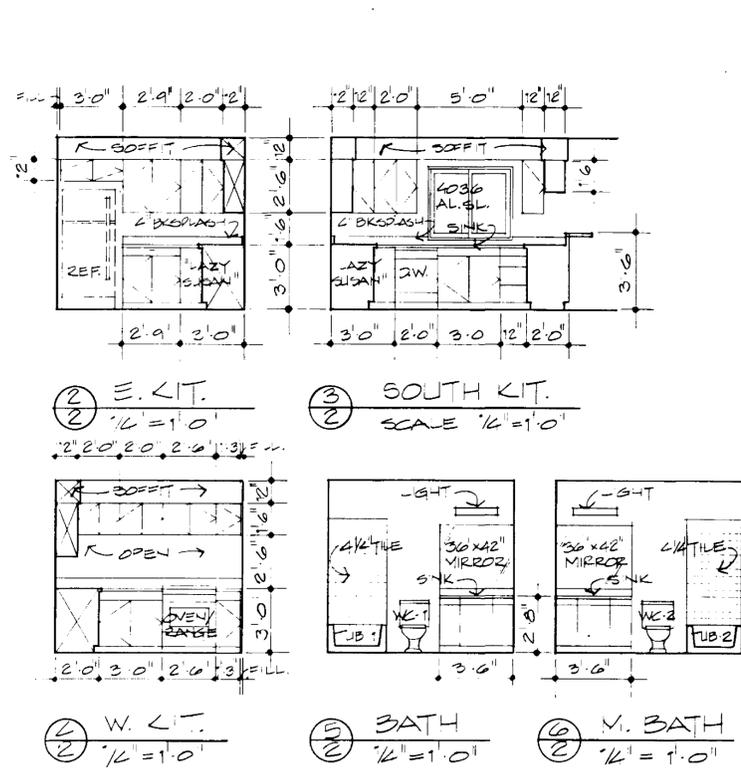
- GENERAL NOTES:
- ALL TRUSSES @ 2'-0" O.C. UNLESS NOTED OTHERWISE.
  - SECURE TRUSSES W/ HURRIC. CLIPS @ ALL BEARING POINTS.



7 FOUNDATION PLAN  
1/4" = 1'-0"

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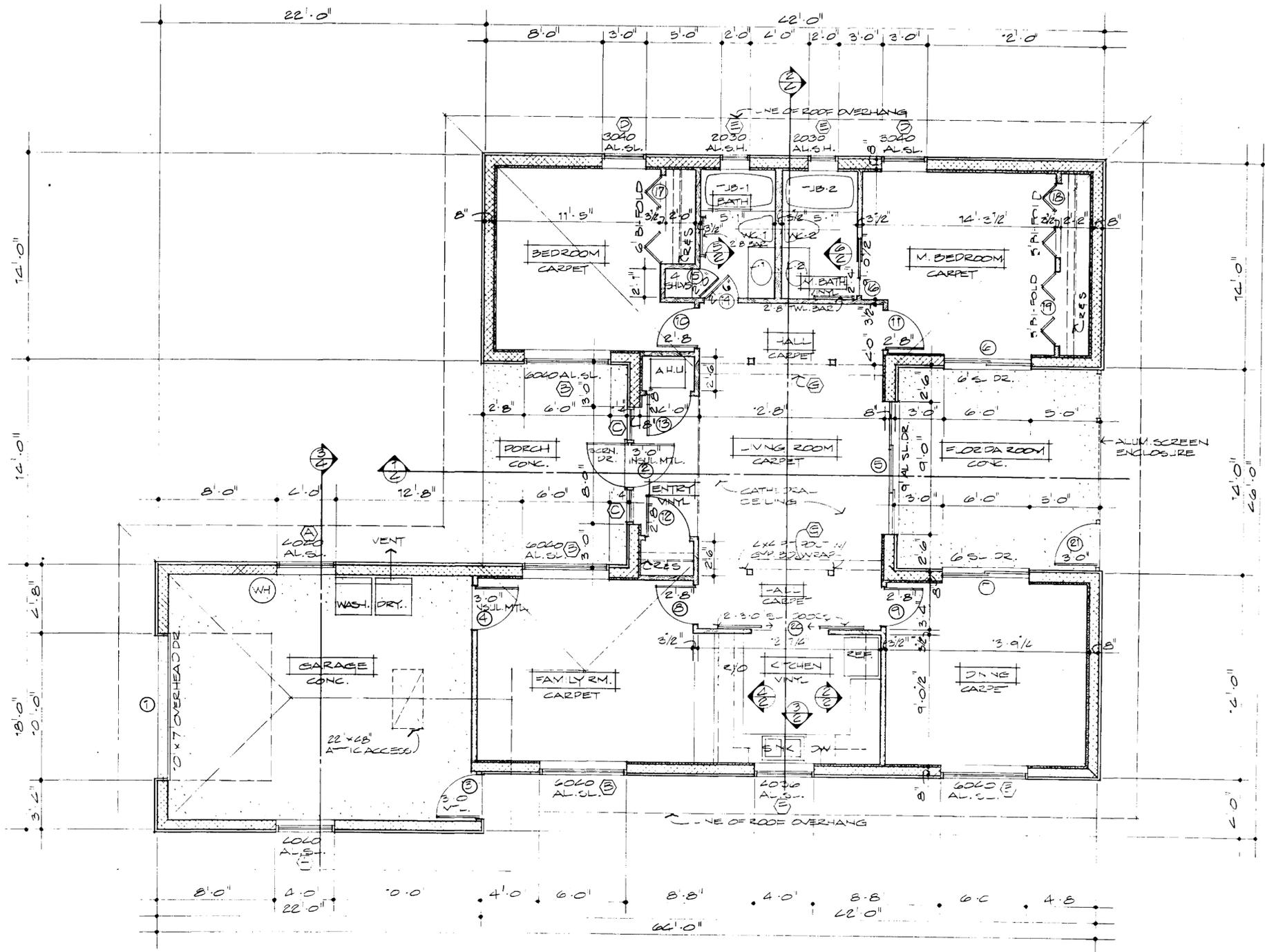
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INTERIOR ELEVATIONS

DOOR SCHEDULE					
NO.	DOOR SIZE W X H	THICK.	TYPE	FRAME	REMARKS
1	7'0" x 7'0"	-	VT.L.O.H.	WOOD	2 PANEL OVERHEAD
2	3'0" x 6'8"	1 3/4"	MTL.		INSULATED
3	00.	00.	00.	00.	00.
4	0'0" x 6'8"	-	SLIDER	ALUM.	3 PANEL
5	6'0" x 6'8"	-			2 PANEL
6	00.	-	00.	00.	00.
7	2'8" x 6'8"	1 3/8"	-C.	WOOD	BRCH
8	00.				
9	00.				
10	00.				
11	00.				
12	00.				
13	00.				
14	00.				
15	00.				
16	00.				
17	00.				
18	00.				
19	00.				
20	2'8" x 6'8"	00.	00.	00.	O.H. SLIDER HW
21	3'0" x 6'8"	-	ALUM.	ALUM.	SCREEN

WINDOW SCHEDULE					
TYPE	WINDOW SIZE W X H	OPER.	FRAME	GLAZING	REMARKS
A	2'0" x 4'0"	H.S.L.	ALUM.	SINGLE	
B	6'0" x 4'0"	00.			
C	2'0" x 5'0"	SING. LG.			
D	3'0" x 2'0"	H.S.L.			
E	2'0" x 3'0"	SING. LG.			TEMPERED, FROSTED
F	2'0" x 3'0"	H.S.L.			
G	3'0" x 3'0"	AWNG.	00.	00.	



① FLOOR PLAN  
 ② SCALE 1/4"=1'-0"

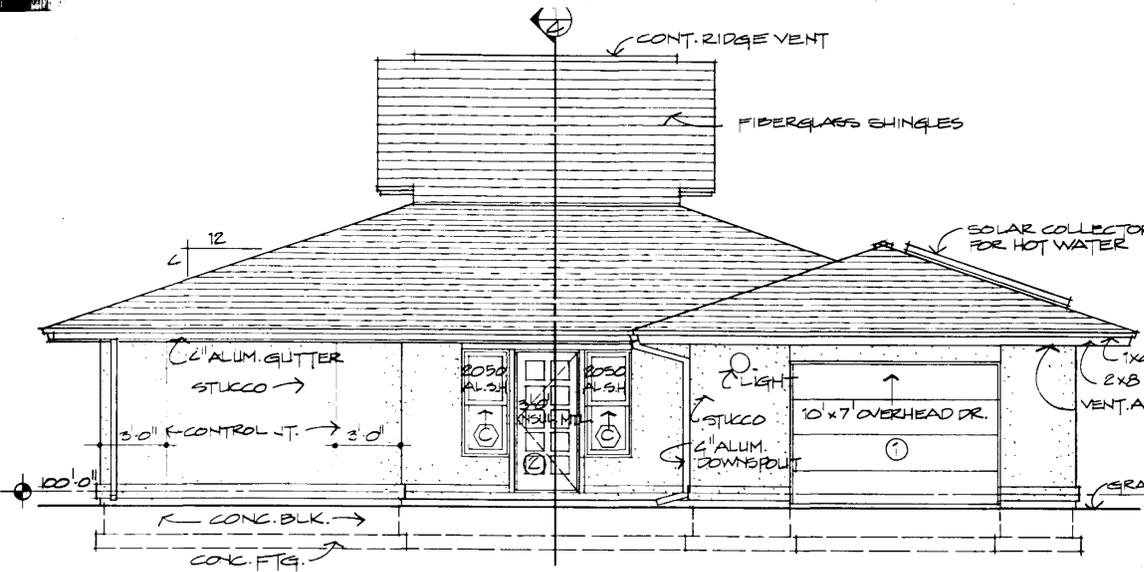
GENERAL NOTES:  
 1. DIMENSIONS ARE TO FACE OF BLOCK OR STUD.  
 2. VERIFY DOOR & WINDOW R.O. WITH MANUFACTURER.

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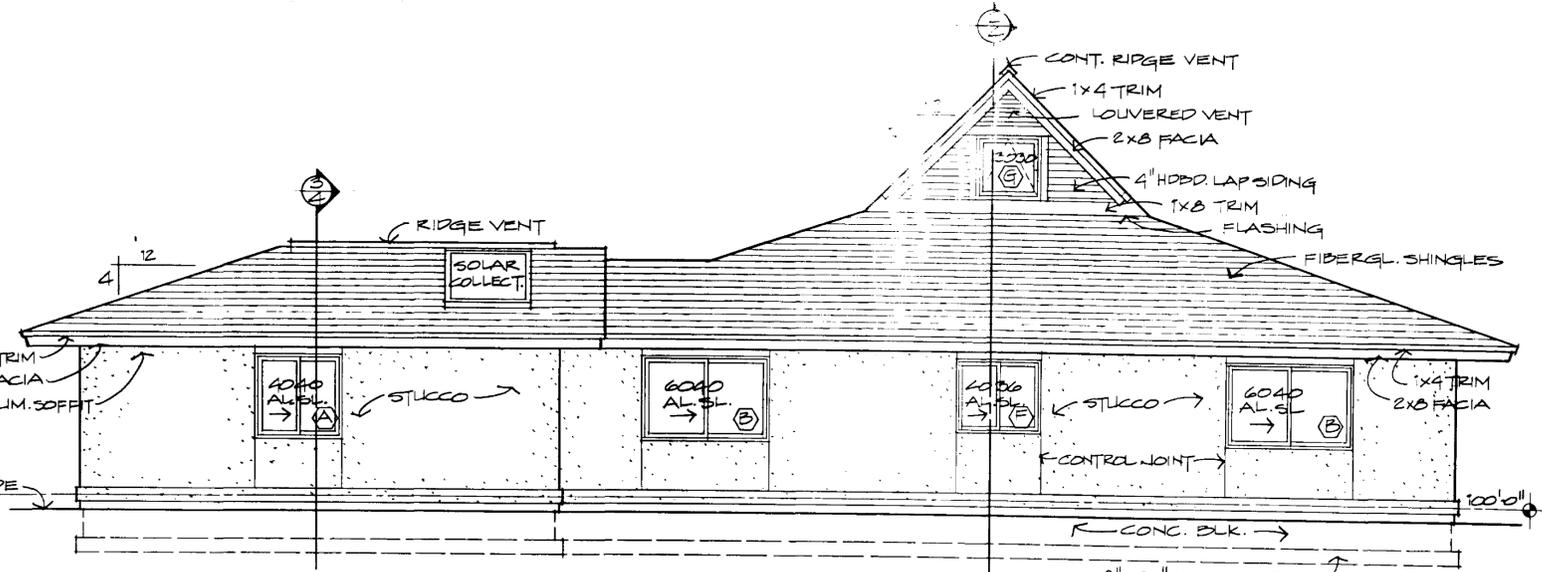
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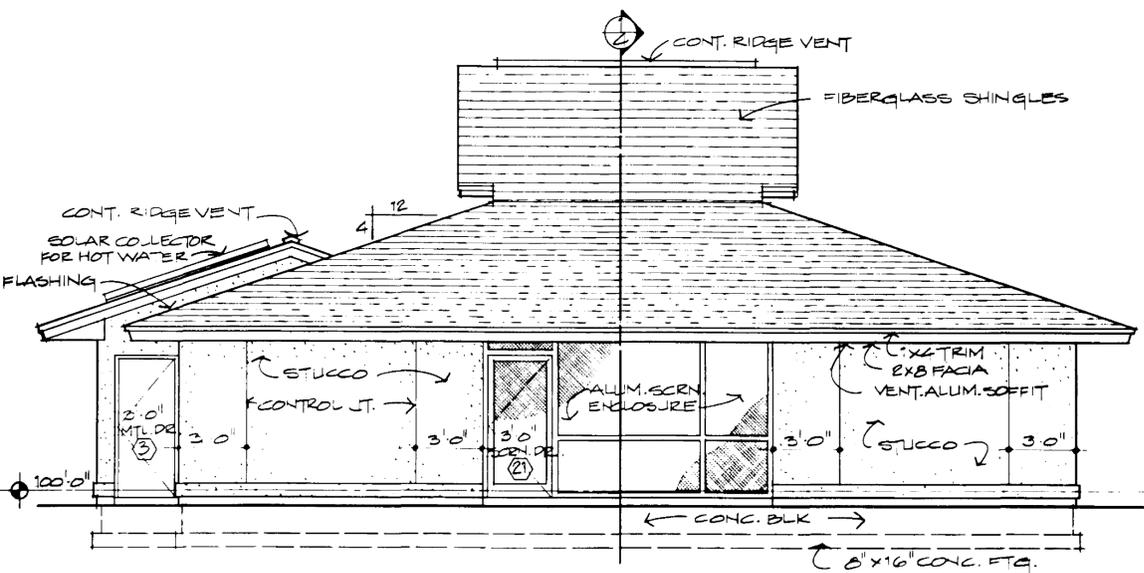
1989 ENERGY-EFFICIENT FLORIDA HOME  
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 FLOOR PLAN, INTERIOR ELEVATIONS



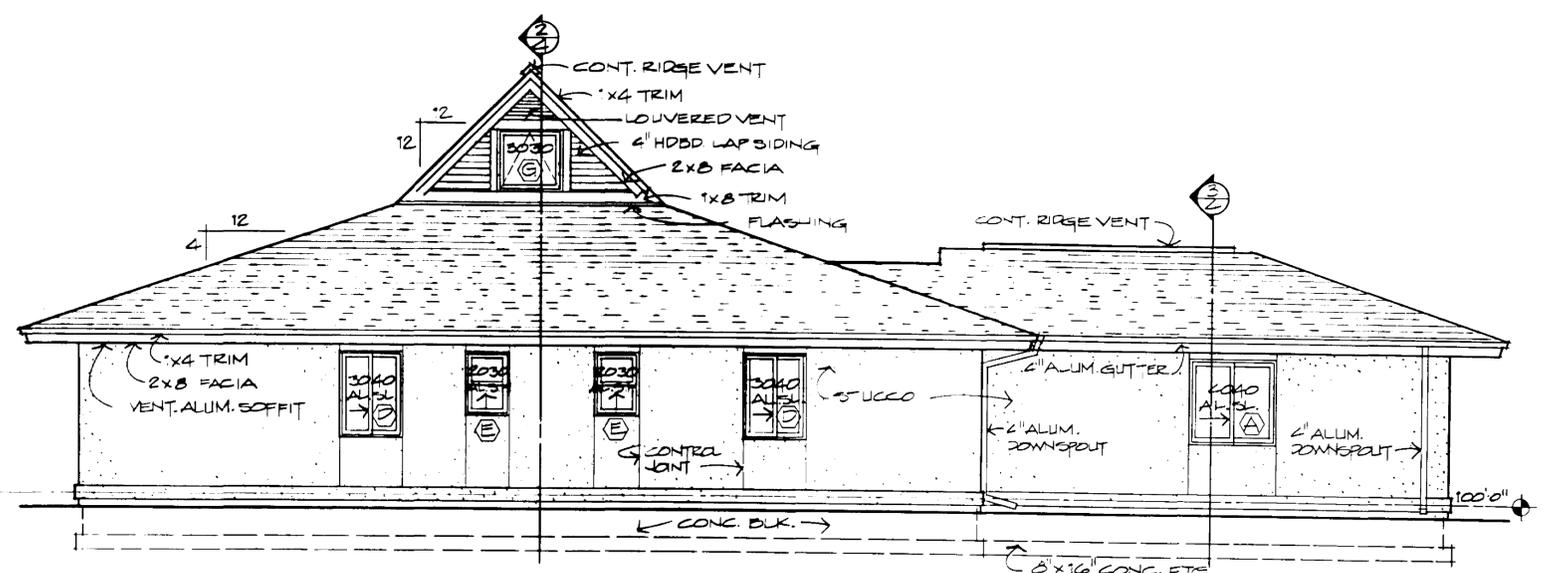
① FRONT ELEVATION  
SCALE 1/4" = 1'-0"



② RIGHT SIDE ELEVATION  
SCALE 1/4" = 1'-0"



③ REAR ELEVATION  
SCALE 1/4" = 1'-0"

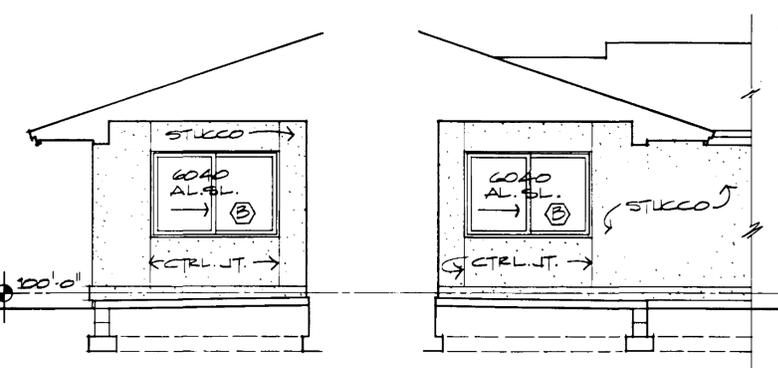


④ LEFT SIDE ELEVATION  
SCALE 1/4" = 1'-0"

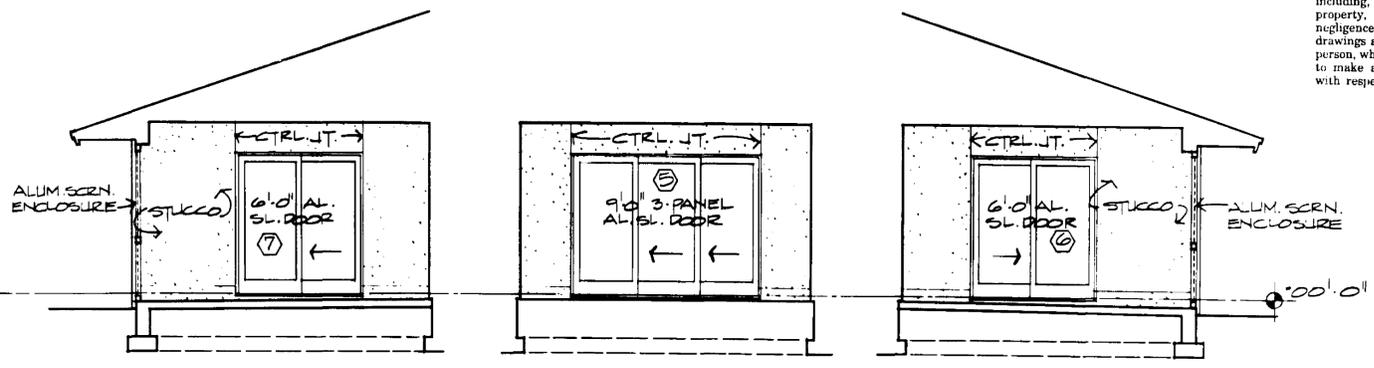
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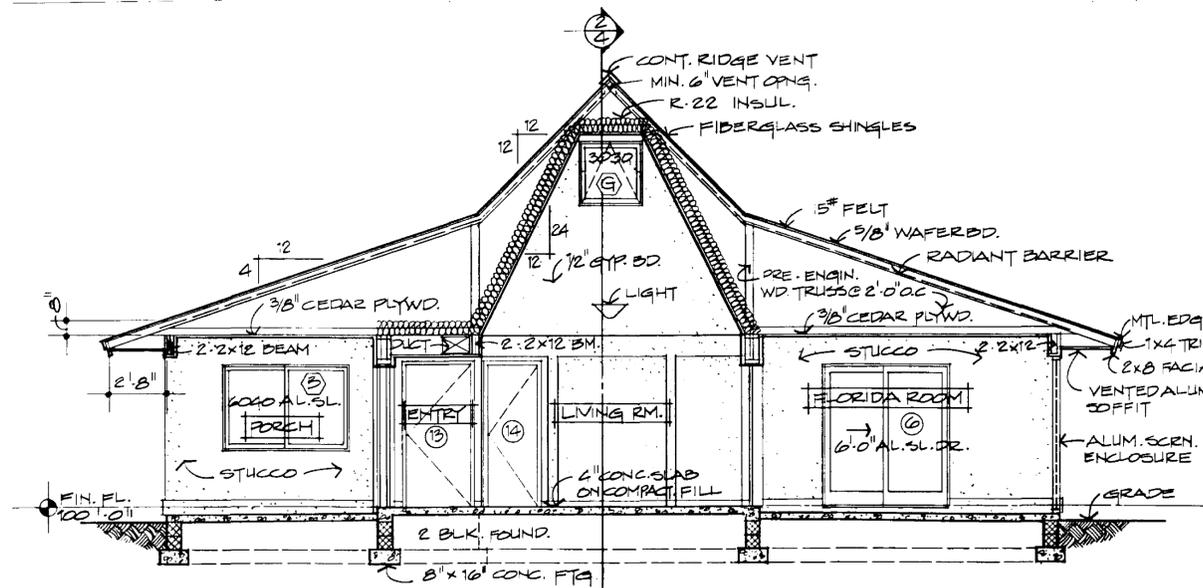
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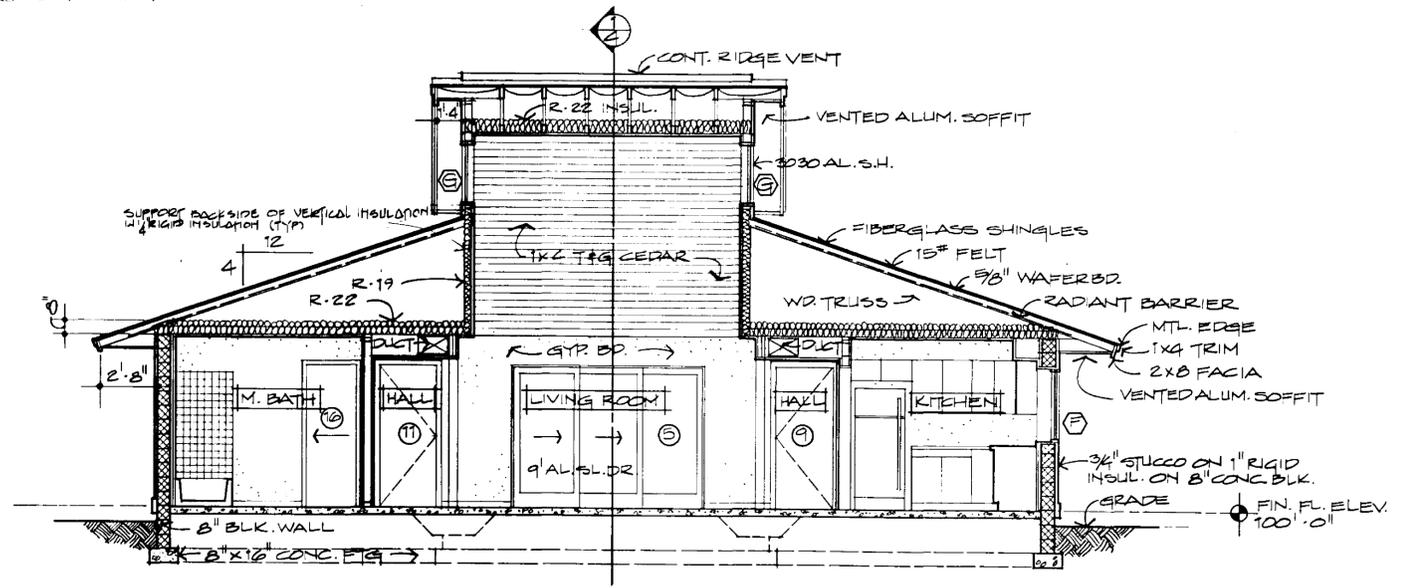
⑤ LEFT SIDE  
⑥ RIGHT SIDE  
FRONT PORCH  
SCALE 1/4" = 1'-0"



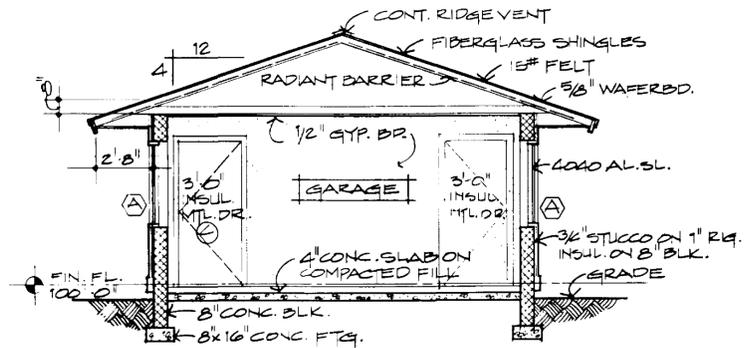
⑦ LEFT SIDE  
⑧ FRONT  
⑨ RIGHT SIDE  
FLORIDA ROOM  
SCALE 1/4" = 1'-0"



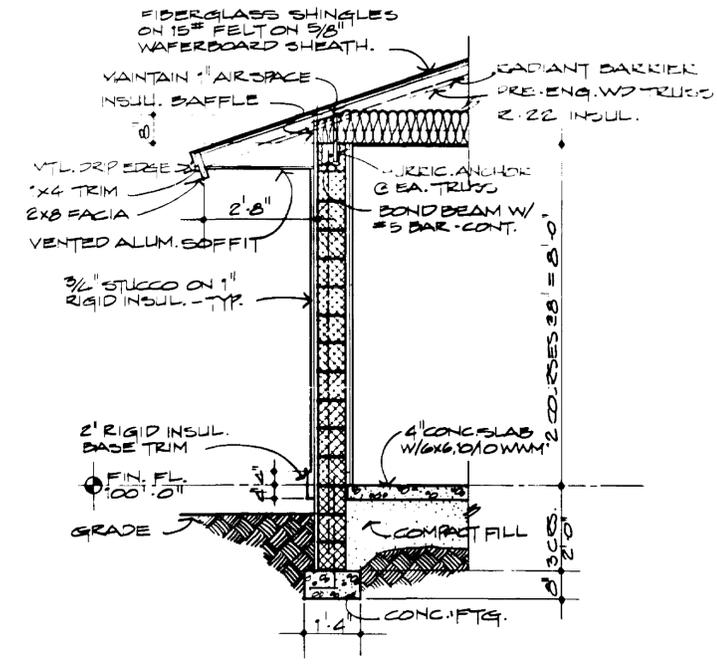
SECTION @ ENTRY & LIVING  
SCALE 1/4" = 1'-0"



SECTION @ LIVING-KITCHEN  
SCALE 1/4" = 1'-0"



SECTION @ GARAGE  
SCALE 1/2" = 1'-0"

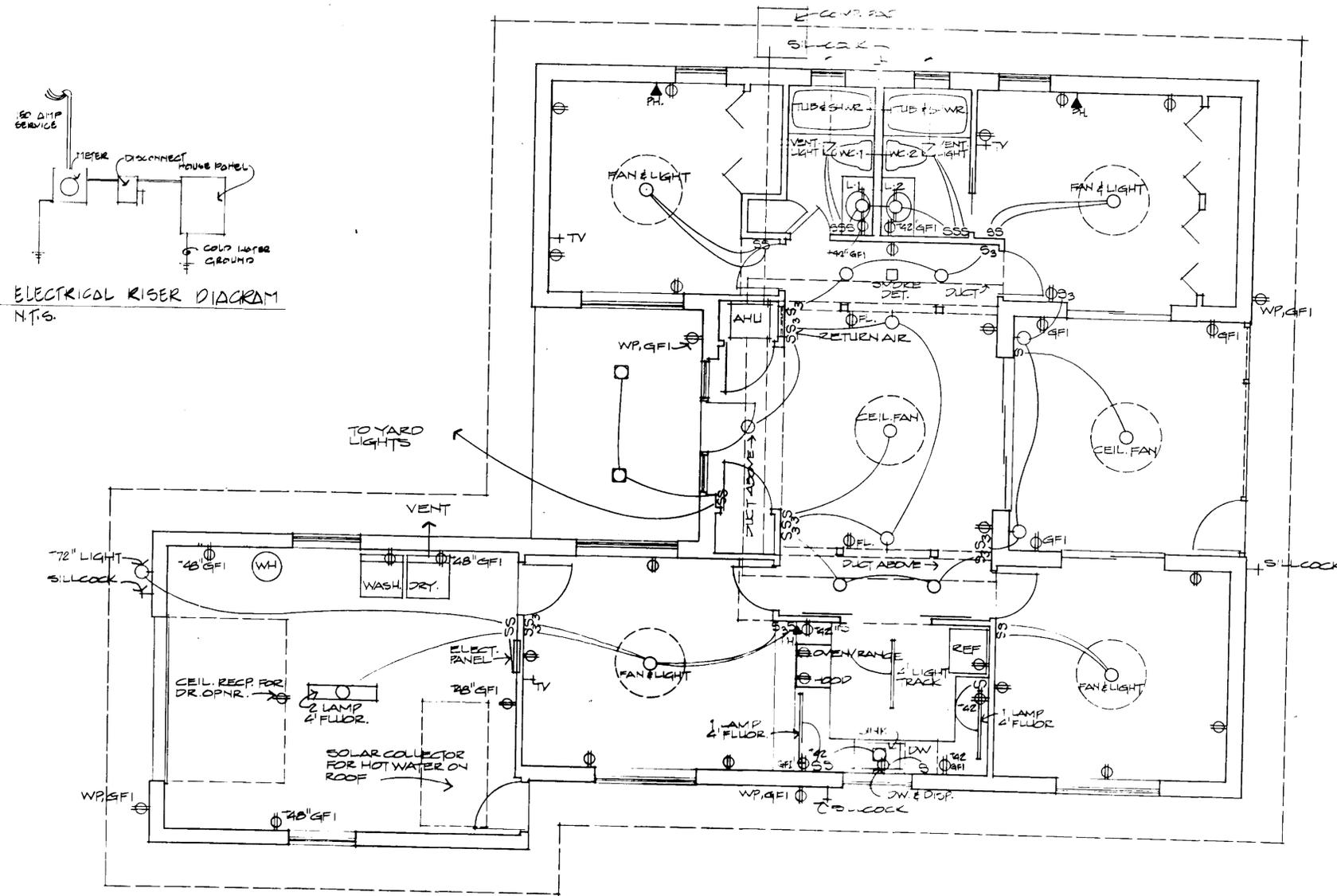


TYPICAL WALL SECTION  
SCALE 1/2" = 1'-0"

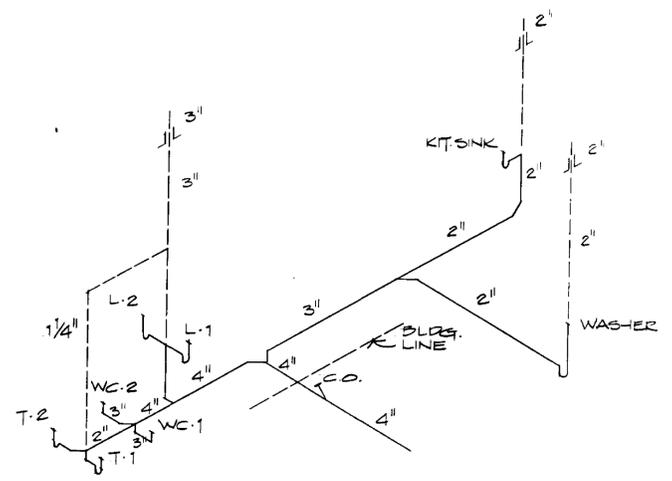
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①  
⑤ ELECTRICAL & PLUMBING PLAN  
SCALE 1/4" = 1'-0"



②  
⑤ DWV ISOMETRIC  
NO SCALE

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ELECTRICAL & PLUMBING PLAN

SHEET 10.

5

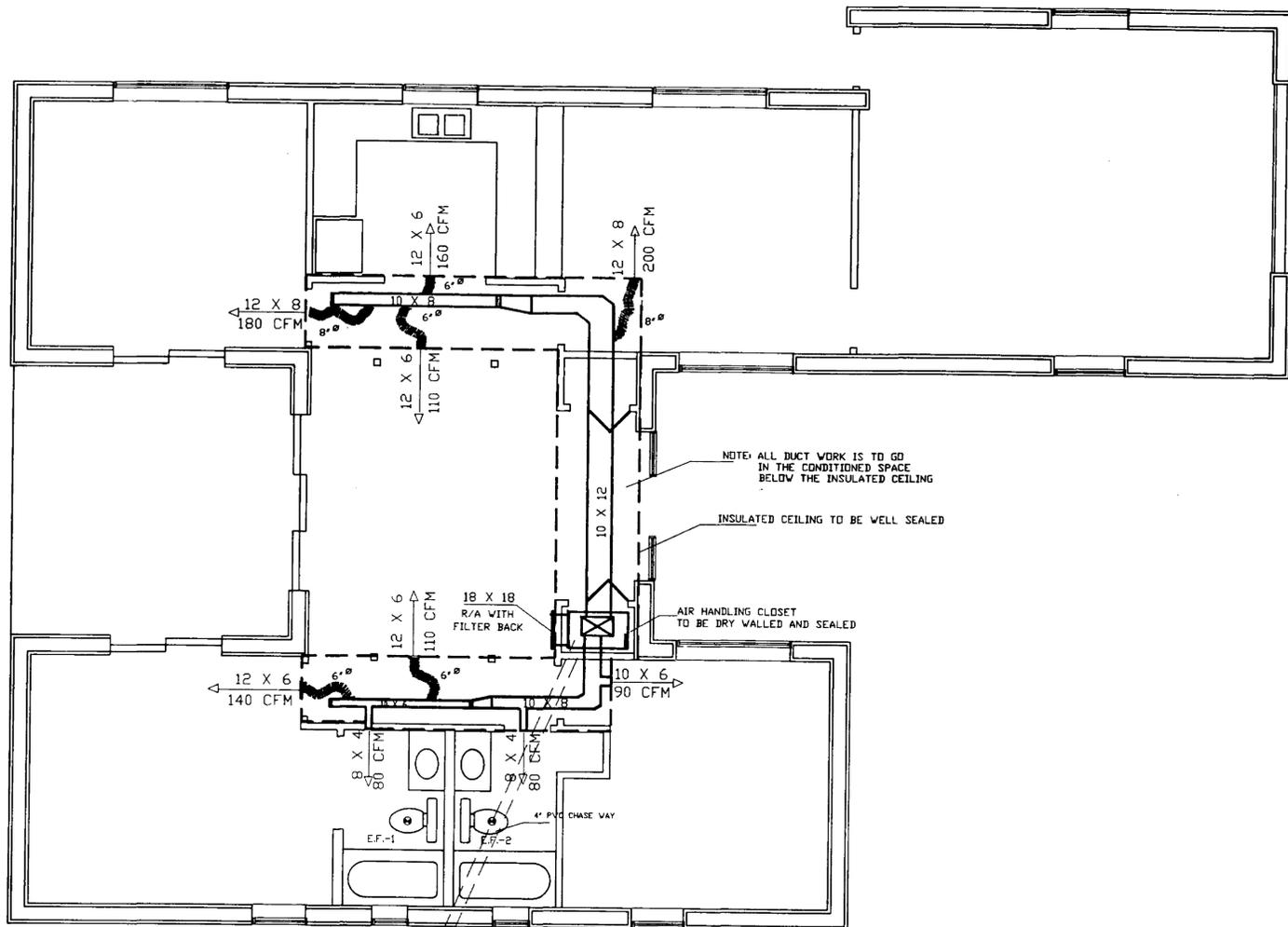
OF 6 SHEET

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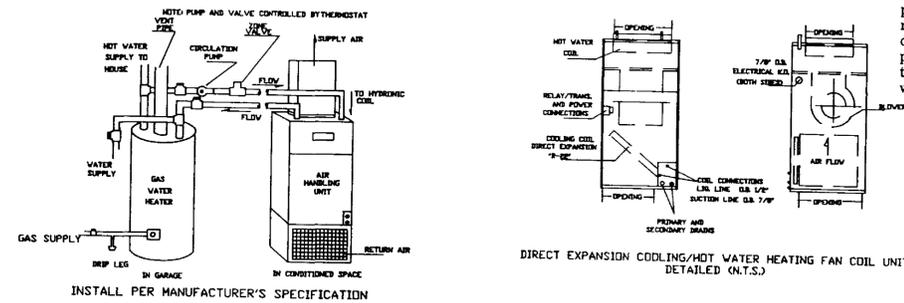


# HVAC LAYOUT

1/4"=1'-0"

### A/C NOTES

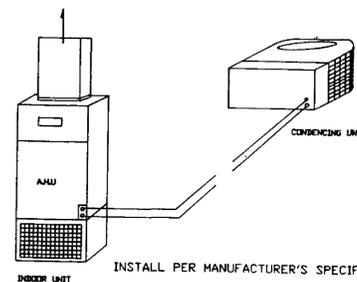
The work includes all labor, material and equipment required to provide complete, safe and workable air conditioning and heating system outline in the drawings.  
Grilles shall be adjustable vanes with dampers to control/regulate air flow and shall also be of aluminum construction with a baked white finish. Refrigerant piping shall be Soft-Drawn copper tubing with 3/4" arnaflex insulation on the suction line.  
Install air cooled system as shown on the drawings or equal with a minimum of five(5) year parts warranty on the compressor.  
Bathroom exhaust fans shall be discharged to the outdoors with a damper and 30 minute timer



### COMFORT CONDITIONING SCHEDULE WITH GAS HEAT

COOLING CAPACITY REQUIRED: 26,400 BTUH \* MINIMUM RECOMMENDED SEER: 11.0  
HEATING CAPACITY REQUIRED: 31,146 BTUH \* RECOMMENDED TYPE OF EQUIPMENT: GAS HYDRONIC  
AIR FLOW REQUIRED (CFM): 1100 CFM \* FURNACE (ALL COMBUSTION IS AT WATER HEATER)

SELECTED EQUIPMENT							
UNIT	MAKE	MODEL#	COOLING (BTUH)	SEER	HEATING (BTUH)	RECOVERY EFF.	CFM
CONDENSER							
DX COIL							
HYDRONIC HEAT WATER HEATER							
A.H.U.							

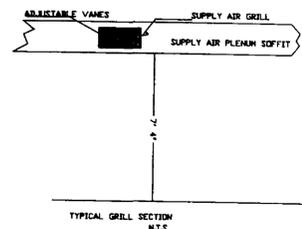
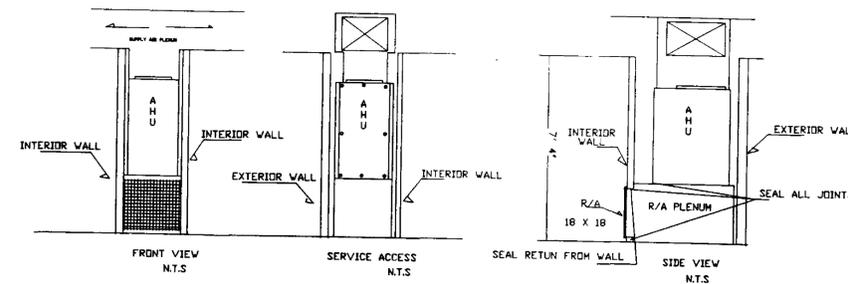


### COMFORT CONDITIONING SCHEDULE WITH ALL ELECTRICAL UTILITIES

COOLING CAPACITY REQUIRED: 26,400 BTUH \* MINIMUM RECOMMENDED SEER: 11.0  
HEATING CAPACITY REQUIRED: 31,146 BTUH \* TYPE: HEAT PUMP MINIMUM  
AIR FLOW REQUIRED (CFM): 1100 CFM \* RECOMMENDED HSPF: 8.0

SELECTED EQUIPMENT								
UNIT	MAKE	MODEL#	COOLING (BTUH)	SEER	HSPF	HEATING (BTUH)	AUX. HEAT STRIP	CFM
CONDENSER								
A.H.U.								

\* Based on plans provided by FSEC and quality construction. If plans have been altered, heating cooling and airflow requirements should be recalculated. The loads were calculated based on a peak summer load temperature of 95° F drybulb and 77° F wetbulb and a winter peak load temperature of 31° F using CARRIER E-20 II sizing computer program.



### EXHAUST FAN SCHEDULE

E.F.#	MAKE	SONES	CFM	VOLTS	HZ	PHASE
1 & 2		≤ 2		115	60	1

# HVAC DETAILS

NOT TO SCALE