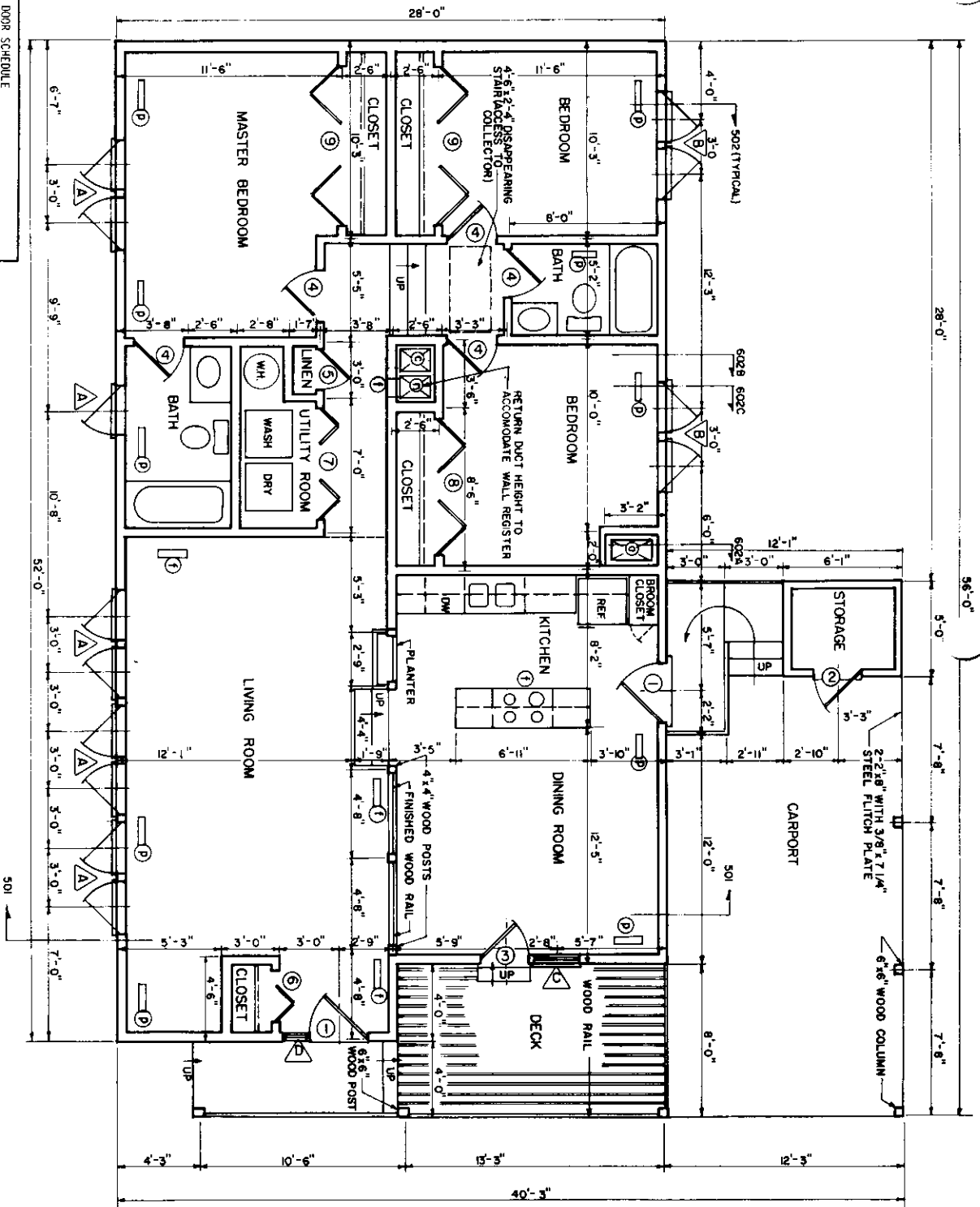




FLOOR PLAN

MARK	SIZE	DESCRIPTION	QUANTITY
------	------	-------------	----------

1	3'-0" x 6'-8"	EXTERIOR	2
2	2'-6" x 6'-8"	EXTERIOR	1
3	2'-6" x 6'-8"	EXTERIOR (GLASS)	1
4	2'-6" x 6'-8"	INTERIOR	5
5	2'-0" x 6'-8"	INTERIOR	1
6	2'-6" x 6'-8"	INTERIOR BIFOLD	1
7	5'-9" x 6'-8"	INTERIOR BIFOLD	1
8	7'-0" x 6'-8"	INTERIOR BIFOLD	1
9	8'-0" x 6'-8"	INTERIOR BIFOLD	2
10	3'-4" x 2'-0"	EXTERIOR ACCESS DOOR (DOB BUILT)	2



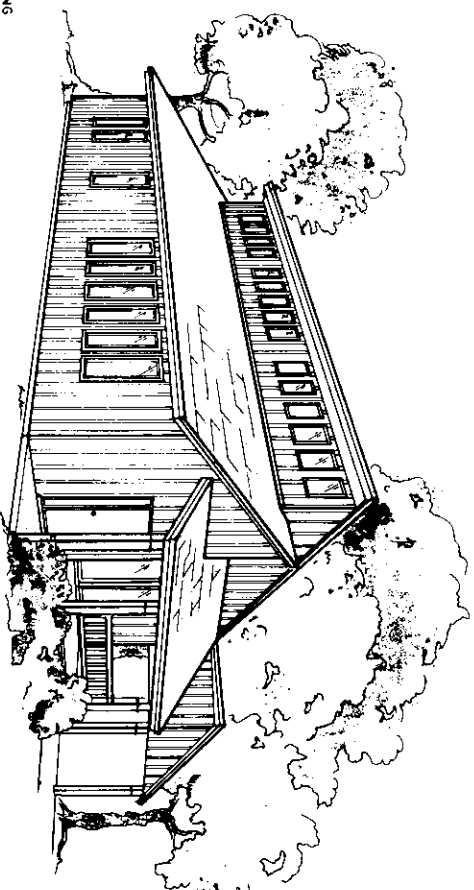
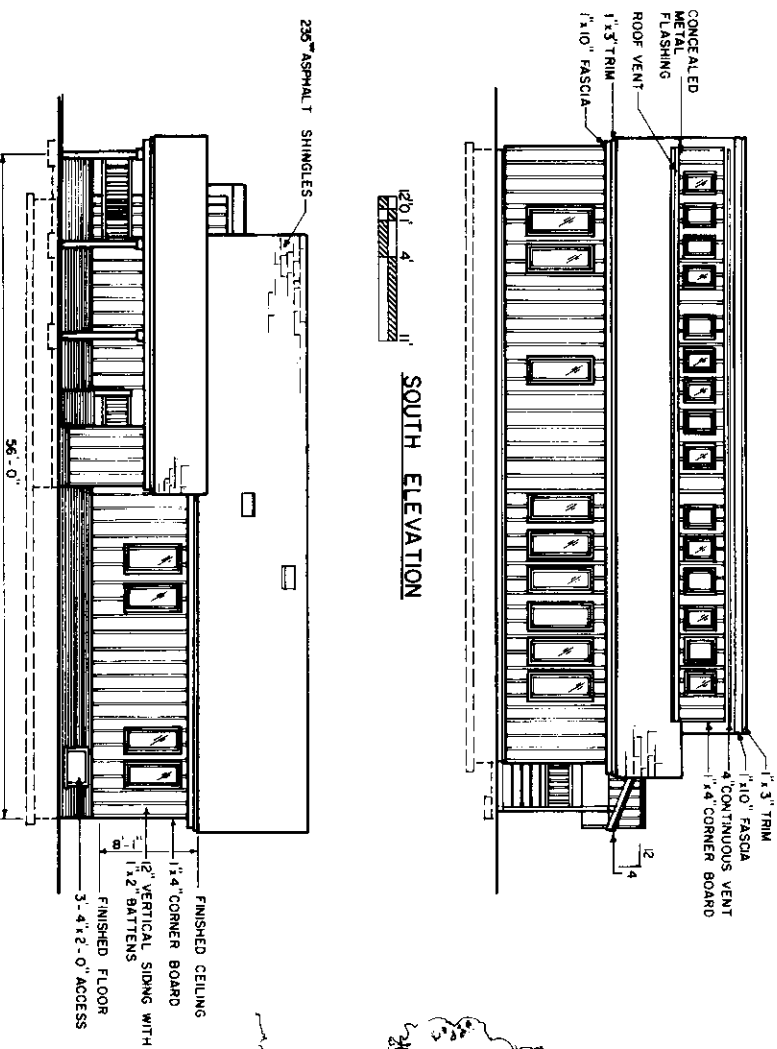
WINDOW SCHEDULE, INSULATED GLASS

MARK	SIZE	DESCRIPTION	QUANTITY
------	------	-------------	----------

A	2'-6" x 5'-11 3/4"	CASEMENT	9
B	2'-6" x 4'-11 3/4"	CASEMENT	4
C	2'-6" x 6'-8"	FIXED	1
D	10' x 6'-8"	FIXED (SIDE LIGHT)	1

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

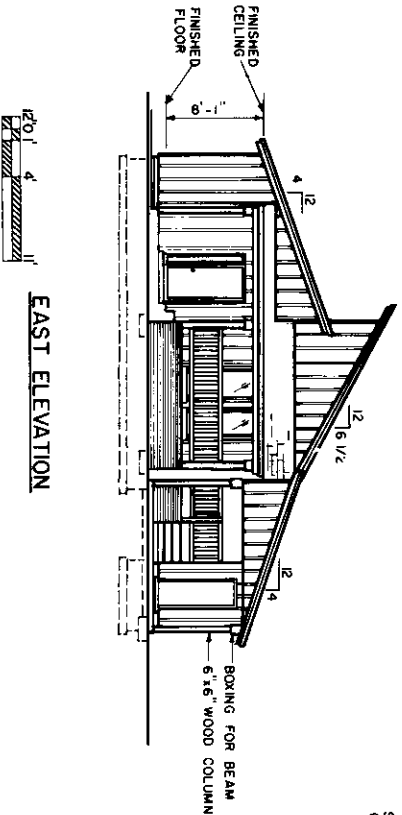
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
AND
CONTEMPORARY 3-BEDROOM
SOLAR ATTIC HOUSE
USDA 84 7250 SHEET 1 OF 7



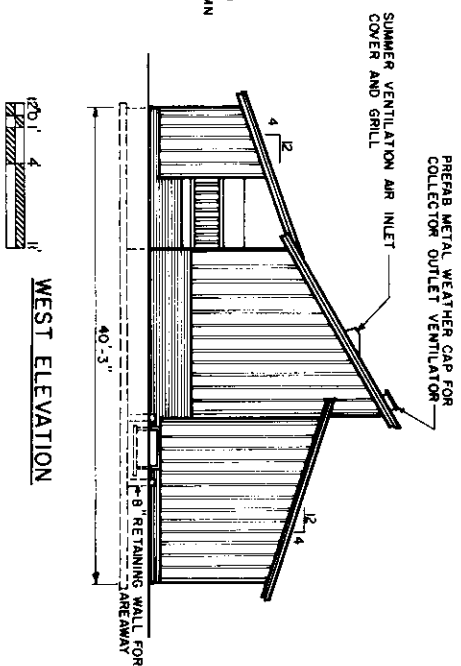
PERSPECTIVE (NO SCALE)

NORTH ELEVATION

SOUTH ELEVATION



EAST ELEVATION



WEST ELEVATION

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
AND
CONTEMPORARY 3-BEDROOM
SOLAR ATTIC HOUSE

USDA '84 7250 SHEET 2 OF 7



0 4 11
feet



3/8" AC EXTERIOR PLYWOOD
- 4" CONTINUOUS SCREENED VENT
APPLY TWO COATS ALUMINIZED WHITE PAINT
TO EXPOSED WOOD MEMBERS IN
COLLECTOR SPACE.

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIVE
AND
CONTINGENTARY 3-BEDROOM
SOLAR ATTIC HOUSE

USDA 84	7250	SHEET 3 OF 7
---------	------	--------------

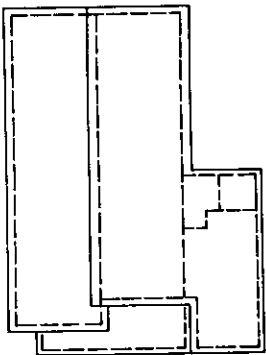


COLLECTOR SPACE AND MECHANICAL PLAN 304

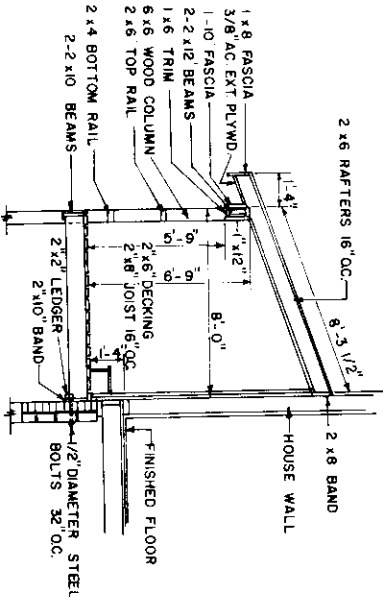
COOPERATIVE EXTENSION SERVICE AGRICULTURE AND HOME ECONOMICS	
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIVE AND	
CONTEMPORARY 3-BEDROOM SOLAR ATRIC HOUSE	
USDA '84	7250
SHEET 3	OF 7

CONSTRUCTION CHECK LIST

1. CHECK LOCAL BUILDING CODE AND LOAN CRITERIA (RAFTERS MEET 20 LB/FT² SNOB LOAD CRITERIA).
2. ADEQUATELY NAIL AND ANCHOR JOINTS.
3. DOUBLE JOISTS UNDER TRUS AND OTHER HEAVY LOADS.
4. SHEATH CORNERS WITH 1/2" PLYWOOD OR HIGH DENSITY FIBERBOARD OR USE DIAGONAL BRACING
5. USE EXTERIOR GULDED PLYWOOD WHEREVER IT MAY BE WETTED DURING OR AFTER CONSTRUCTION.
7. PRESSURE TREAT ALL WOOD WITH GROUND CONTACT AND PROVIDE OTHER NEEDED TERMITE CONTROL.
8. PROVIDE 1 SQ FT OF ATTIC VENT OPENINGS FOR EACH 150 SQ FT OF CEILING.
9. WEATHERIZE ALL OPENINGS AND JOINTS.
10. SEAL CRACKS WHERE DUCT WORK PASSES THRU WALL OR FLOOR OF MECHANICAL SPACE WITH SILICONE SEALANT.
11. FILL CORES OF TOP COURSE MASONRY WITH CONCRETE.
12. FILL CORES OF MASONRY WITH CONCRETE AT ANCHOR BOLT LOCATIONS.



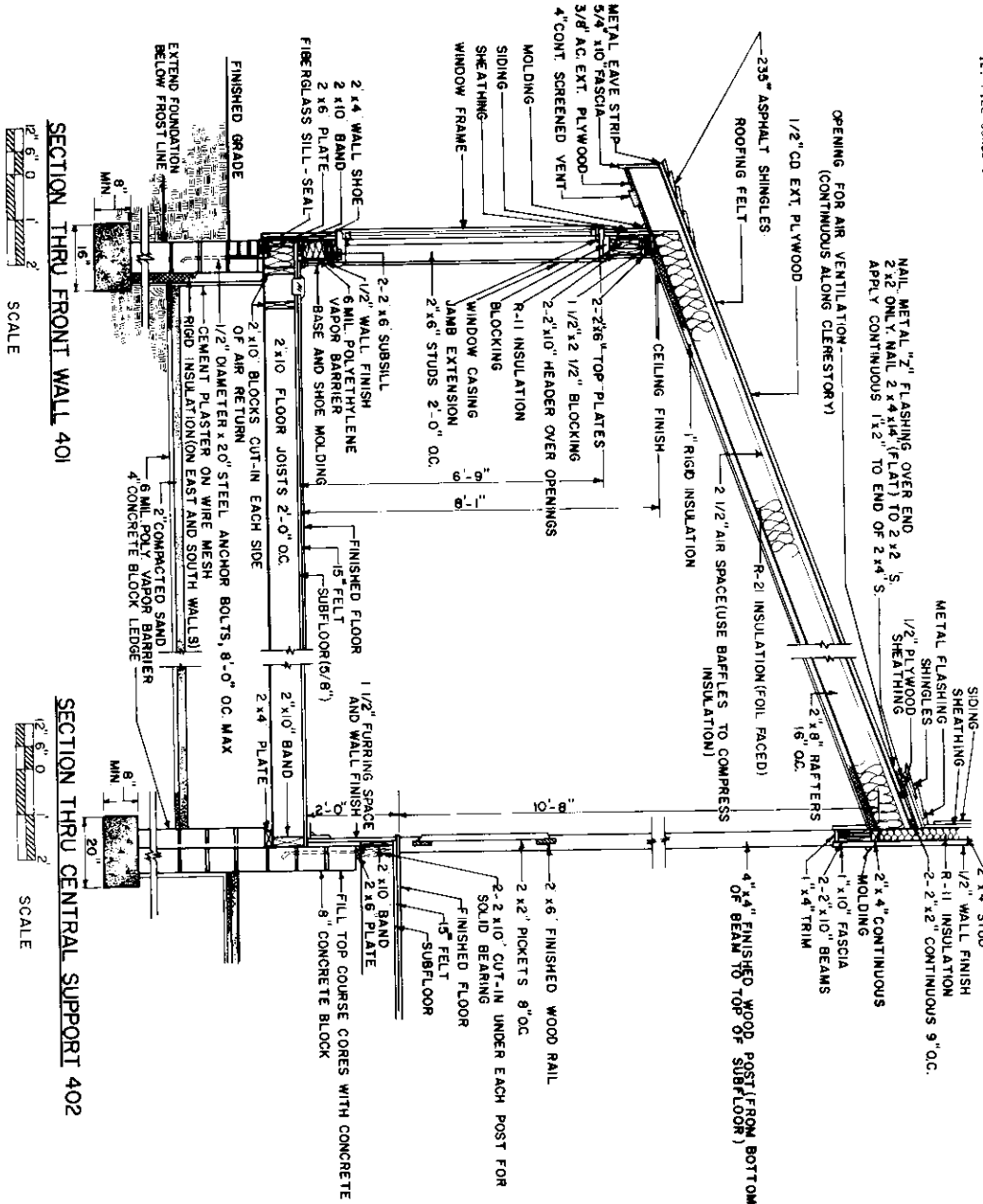
ROOF PLAN



SECTION THRU PORCH 403



SCALE

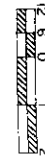


SECTION THRU FRONT WALL 401

SECTION THRU CENTRAL SUPPORT 402



SCALE



SCALE

MECHANICAL SCHEDULE

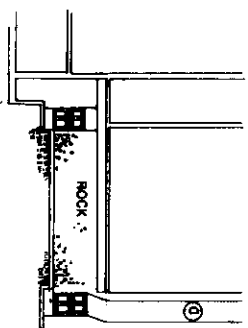
a.	12"x24" METAL SUPPLY DUCT TO ROCK STORAGE
b.	12"x24" METAL SUPPLY DUCT TO FURNACE
c.	12"x24" METAL SUPPLY DUCT TO HOUSE DISTRIBUTION SYSTEM
d.	FURNACE
e.	BLOWER
f.	4"x20" AIR RETURN REGISTERS
g.	16"x12" AIR RETURN GRILLE FROM CLESTORY TO COLLECTOR SPACE WITH MANUAL CLOSURE ON CLESTORY SIDE AND FLAP DAMPER ON COLLECTOR SIDE
h.	12"x20" THERMOSTATICALLY CONTROLLED COLLECTOR SPACE VENTILATOR: DAMPER OPENS AT 160 - CLOSSES AT 140 (WINTER) CONTINUOUSLY OPEN (SUMMER)
i.	4"x20" METAL AIR SUPPLY DUCT
j.	6"x20" METAL AIR SUPPLY DUCT
k.	4"x20" AIR RETURN GRILLE
m.	4" CONTINUOUS AIR SLOT IN WALL TO ALLOW AIR TO ENTER COLLECTOR SPACE
n.	4"x20" METAL AIR RETURN DUCT
p.	4"x20" AIR SUPPLY REGISTER

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

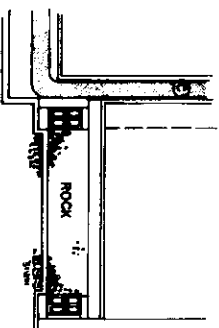
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

AND
CONTEMPORARY 3-BEDROOM
SOLAR ATTIC HOUSE

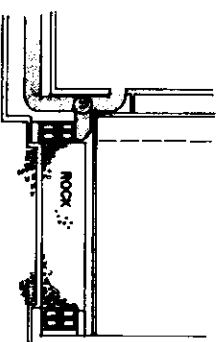
USDA 84 7250 SHEET 4 OF 7



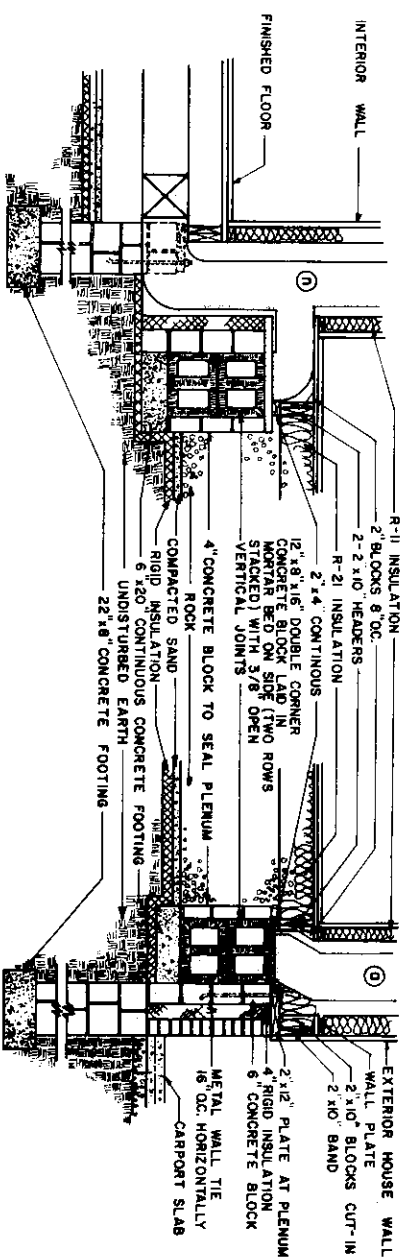
SECTION 602A



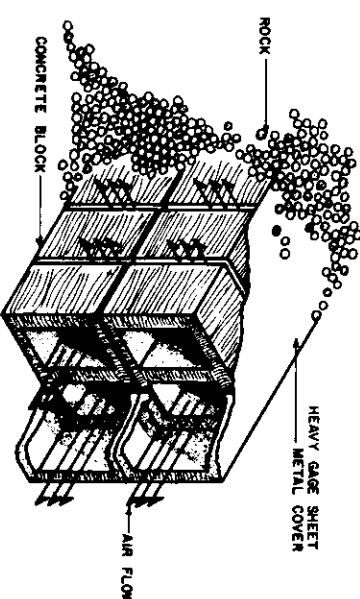
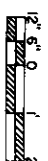
SECTION 602B



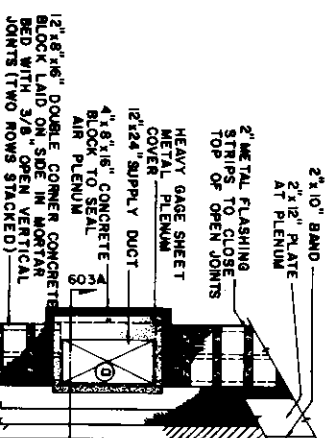
SECTION 602C



PLENUM SECTION 603B



PLENUM SECTION 603A



PLENUM PLAN 604



PLENUM VIEW (NO SCALE)
ILLUSTRATION OF AIR DISTRIBUTION FROM PLENUM
TO ROCK STORAGE

COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

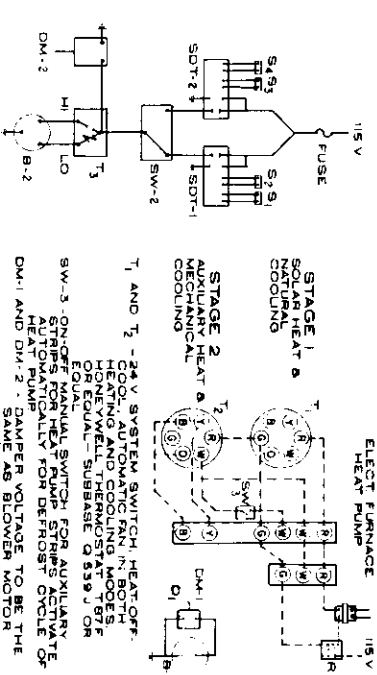
CONTEMPORARY 3-BEDROOM
SOLAR ATTIC HOUSE

USDA '84 7250 SHEET 6 OF 7

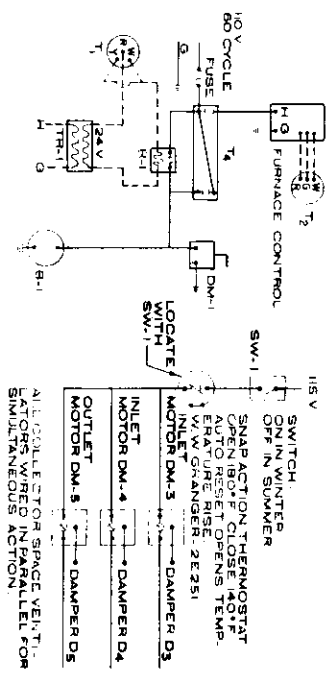
1200 COLLEGE PARK, WASHINGTON, D.C. 20004

- MANUAL CHANGE-OVER F1 SOLAR COOLING TO HEATING

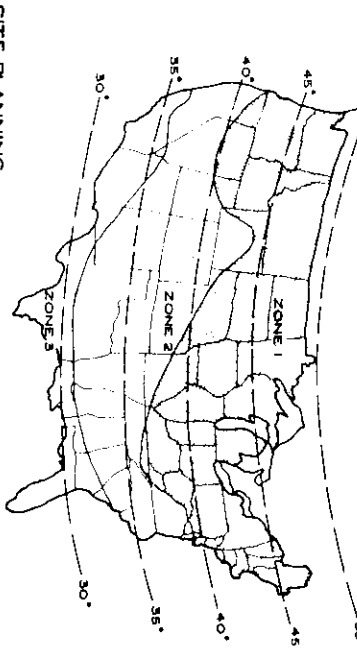
COLLECTION SYSTEM	DISTRIBUTION SYSTEM
1. Gravity	1. Gravity
2. Pump	2. Gravity
3. Gravity	3. Gravity
4. Pump	4. Gravity
5. Gravity	5. Gravity
6. Pump	6. Gravity
7. Gravity	7. Gravity
8. Pump	8. Gravity
9. Gravity	9. Gravity
10. Pump	10. Gravity
11. Gravity	11. Gravity
12. Pump	12. Gravity
13. Gravity	13. Gravity
14. Pump	14. Gravity
15. Gravity	15. Gravity
16. Pump	16. Gravity
17. Gravity	17. Gravity
18. Pump	18. Gravity
19. Gravity	19. Gravity
20. Pump	20. Gravity
21. Gravity	21. Gravity
22. Pump	22. Gravity
23. Gravity	23. Gravity
24. Pump	24. Gravity
25. Gravity	25. Gravity
26. Pump	26. Gravity
27. Gravity	27. Gravity
28. Pump	28. Gravity
29. Gravity	29. Gravity
30. Pump	30. Gravity
31. Gravity	31. Gravity
32. Pump	32. Gravity
33. Gravity	33. Gravity
34. Pump	34. Gravity
35. Gravity	35. Gravity
36. Pump	36. Gravity
37. Gravity	37. Gravity
38. Pump	38. Gravity
39. Gravity	39. Gravity
40. Pump	40. Gravity
41. Gravity	41. Gravity
42. Pump	42. Gravity
43. Gravity	43. Gravity
44. Pump	44. Gravity
45. Gravity	45. Gravity
46. Pump	46. Gravity
47. Gravity	47. Gravity
48. Pump	48. Gravity
49. Gravity	49. Gravity
50. Pump	50. Gravity
51. Gravity	51. Gravity
52. Pump	52. Gravity
53. Gravity	53. Gravity
54. Pump	54. Gravity
55. Gravity	55. Gravity
56. Pump	56. Gravity
57. Gravity	57. Gravity
58. Pump	58. Gravity
59. Gravity	59. Gravity
60. Pump	60. Gravity
61. Gravity	61. Gravity
62. Pump	62. Gravity
63. Gravity	63. Gravity
64. Pump	64. Gravity
65. Gravity	65. Gravity
66. Pump	66. Gravity
67. Gravity	67. Gravity
68. Pump	68. Gravity
69. Gravity	69. Gravity
70. Pump	70. Gravity
71. Gravity	71. Gravity
72. Pump	72. Gravity
73. Gravity	73. Gravity
74. Pump	74. Gravity
75. Gravity	75. Gravity
76. Pump	76. Gravity
77. Gravity	77. Gravity
78. Pump	78. Gravity
79. Gravity	79. Gravity
80. Pump	80. Gravity
81. Gravity	81. Gravity
82. Pump	82. Gravity
83. Gravity	83. Gravity
84. Pump	84. Gravity
85. Gravity	85. Gravity
86. Pump	86. Gravity
87. Gravity	87. Gravity
88. Pump	88. Gravity
89. Gravity	89. Gravity
90. Pump	90. Gravity
91. Gravity	91. Gravity
92. Pump	92. Gravity
93. Gravity	93. Gravity
94. Pump	94. Gravity
95. Gravity	95. Gravity
96. Pump	96. Gravity
97. Gravity	97. Gravity
98. Pump	98. Gravity
99. Gravity	99. Gravity
100. Pump	100. Gravity



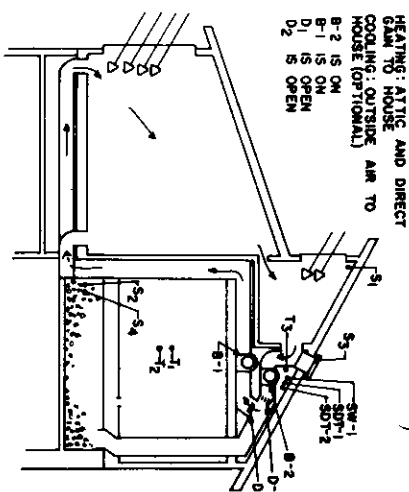
COLLECTOR SPACE VENTILATORS



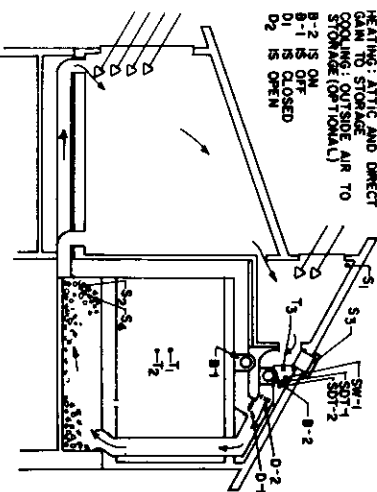
FOUNDATION INSULATION TABLE				
HOUSE ZONE	5	2	1	
POLYSTYRENE IN FOUNDATION WALL	1"	3"	4"	
POLYSTYRENE BELOW ROCK	1"	2"	3"	
SAND IN CRAWL SPACE	2"	COVER		
POLYSTYRENE AT AIR PLenum	0"	1"	2"	



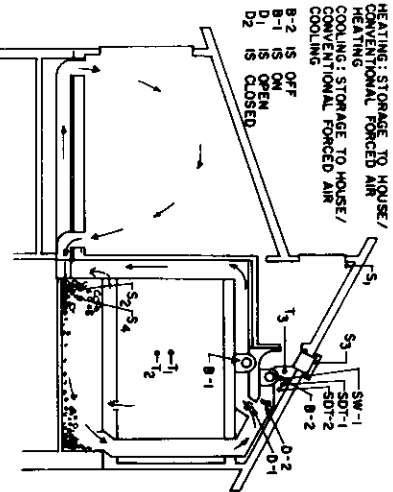
NG: ATTIC AND DIRECT
TO HOUSE
NG: OUTSIDE AIR TO
E (OPTIONAL.)
IS ON
S ON
S OPEN
S OPEN



S ON
 S OFF
 S CLOSED
 S OPEN



5 OFF
 5 ON
 5 OPEN
 5 CLOSED



**COOPERATIVE EXTENSION SERVICE
AGRICULTURE AND HOME ECONOMICS**

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING AND		
CONTINUOUS 3-BEDROOM SOLAR ATTIC HOUSE		
USDA '84	7250	SHEET 7 OF 7