

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

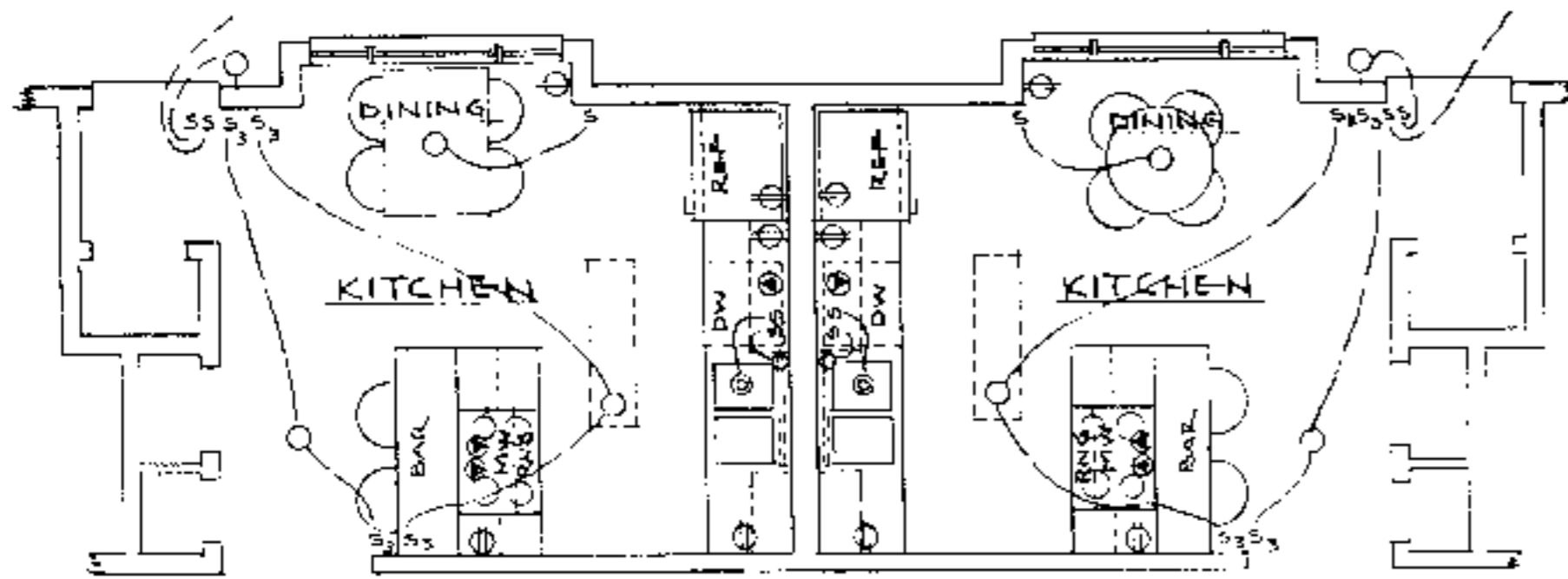
SUGGESTED ORIENTATION



Helping people put knowledge to work.

BUILDING DATA (EACH SIDE)	
SQUARE FOOTAGE:	
HEATED	1008
CARPORT, PORCH	321
TOTAL	1329
ESTIMATED HEATING LOAD:	
16,800 BTU/HR @ 60° TD	
ESTIMATED COOLING LOAD	
21,000 BTU/HR = 2 TONS-	

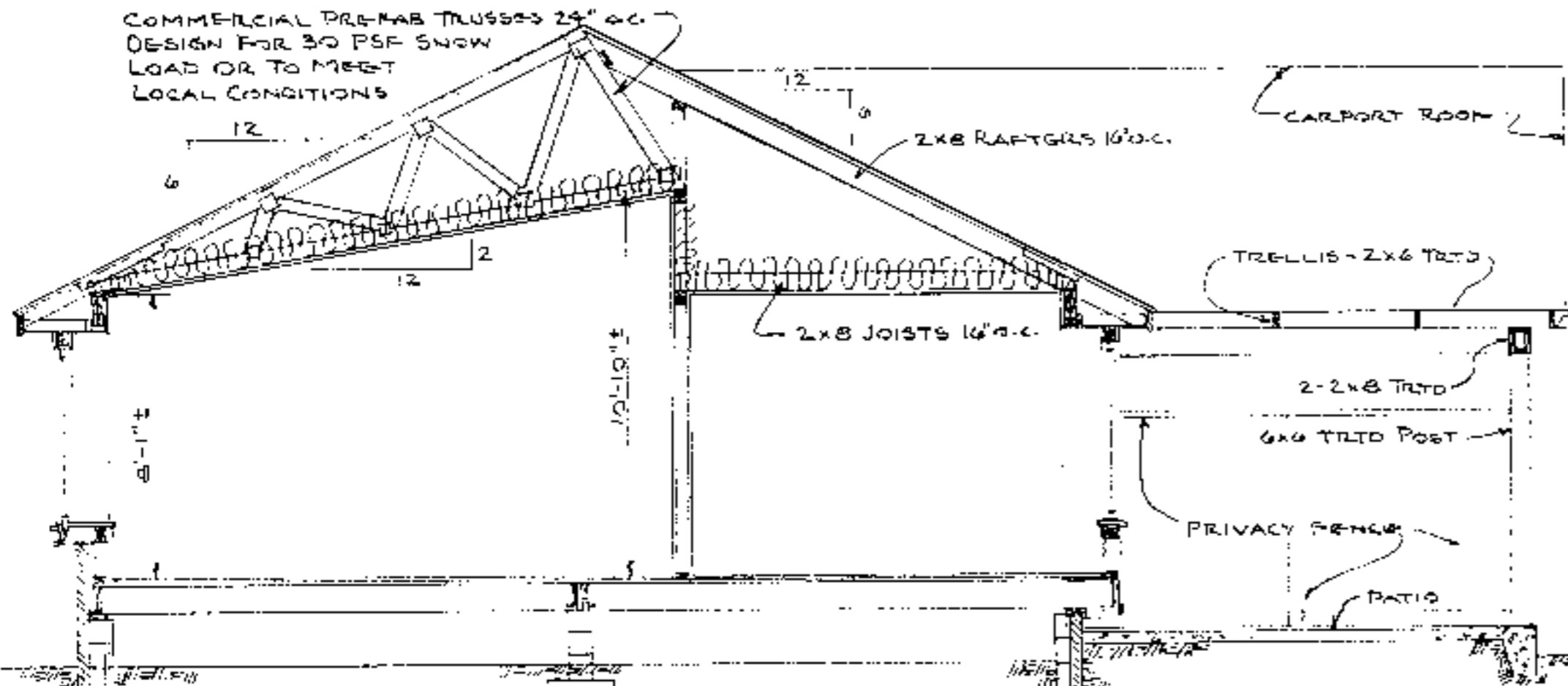
N.C. AGRICULTURAL EXTENSION SERVICE	
HOME ECONOMICS — HOUSING	
N.C. State University, Raleigh, North Carolina	
and	
U.S. Department of Agriculture, Cooperating	
2-BEDROOM DUPLEX	
w/CARPORT	
REV. OF USDA 7264	EA. SIDE 1008 Sq. Ft. HTD.
N.C. 9	86
Sheet	1 of 3



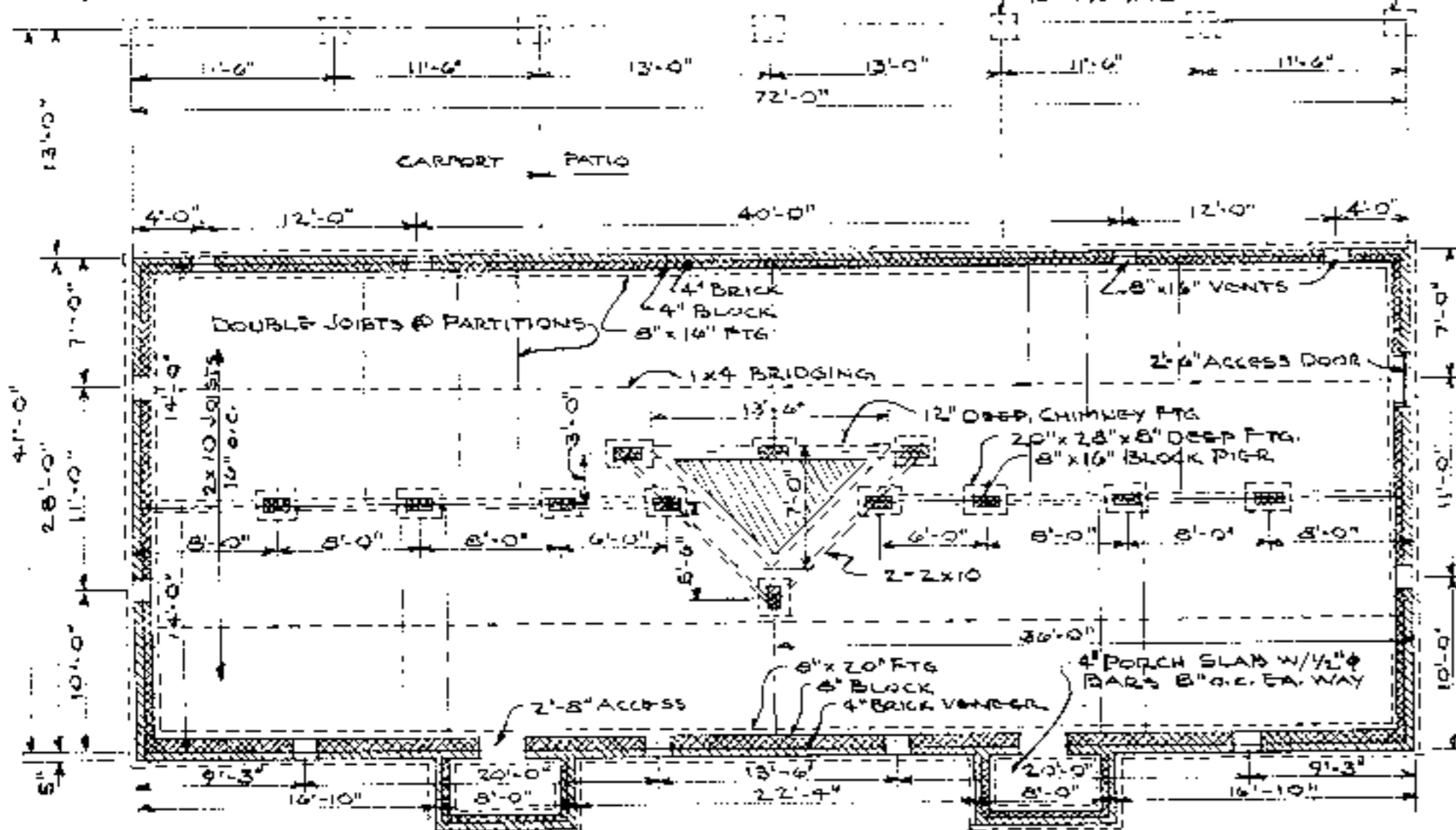
FLOOR PLAN OPTION #1 - KITCHENS

SCALE: 1/8" = 1'-0"

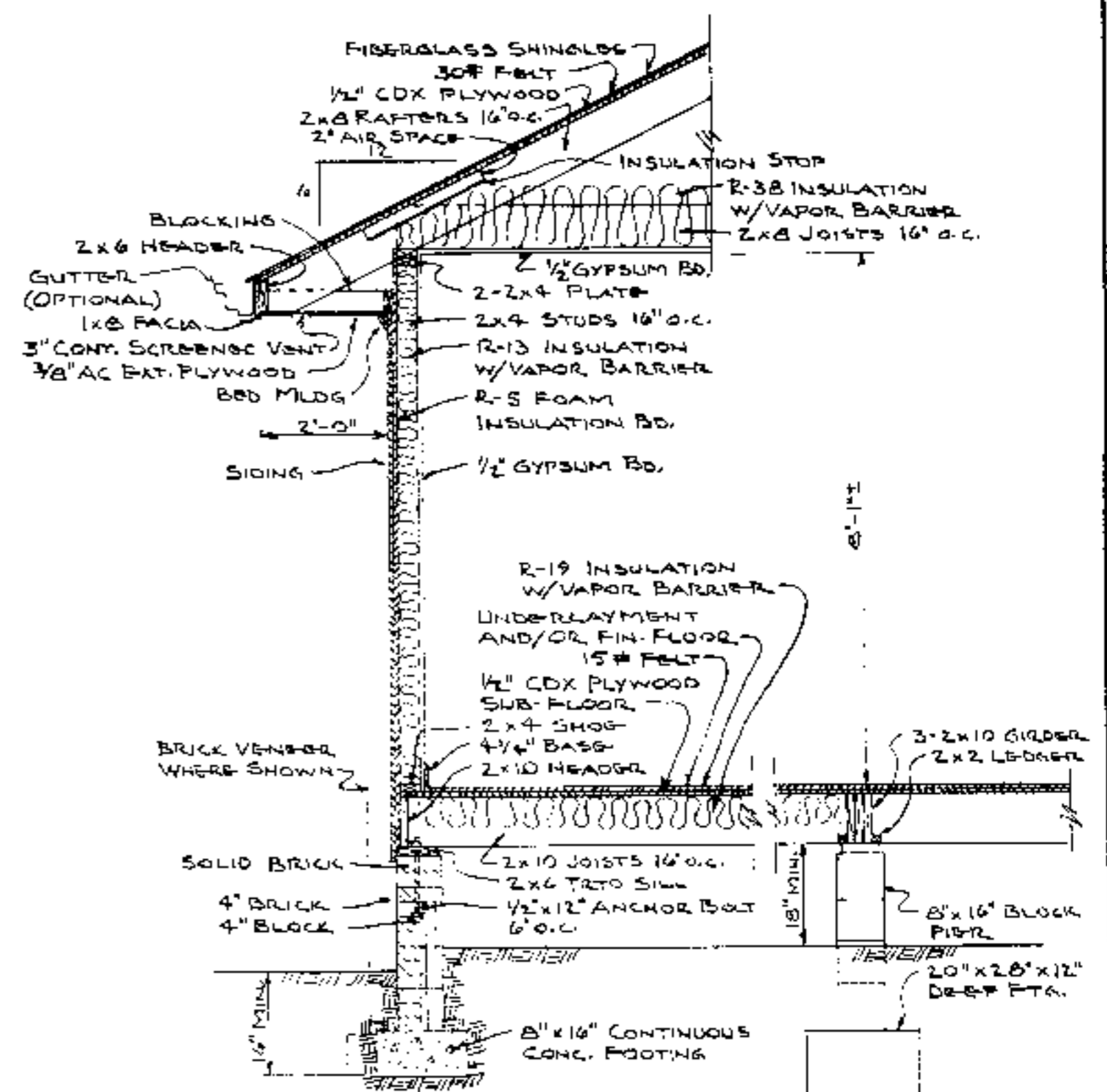
COMMERCIAL PRE-FAB TRUSSES 24" O.C.
DESIGN FOR 30 PSF SNOW
LOAD OR TO MEET
LOCAL CONDITIONS



SECTION "A-A" (GREAT ROOM AREA) - 1/8" = 1'-0"

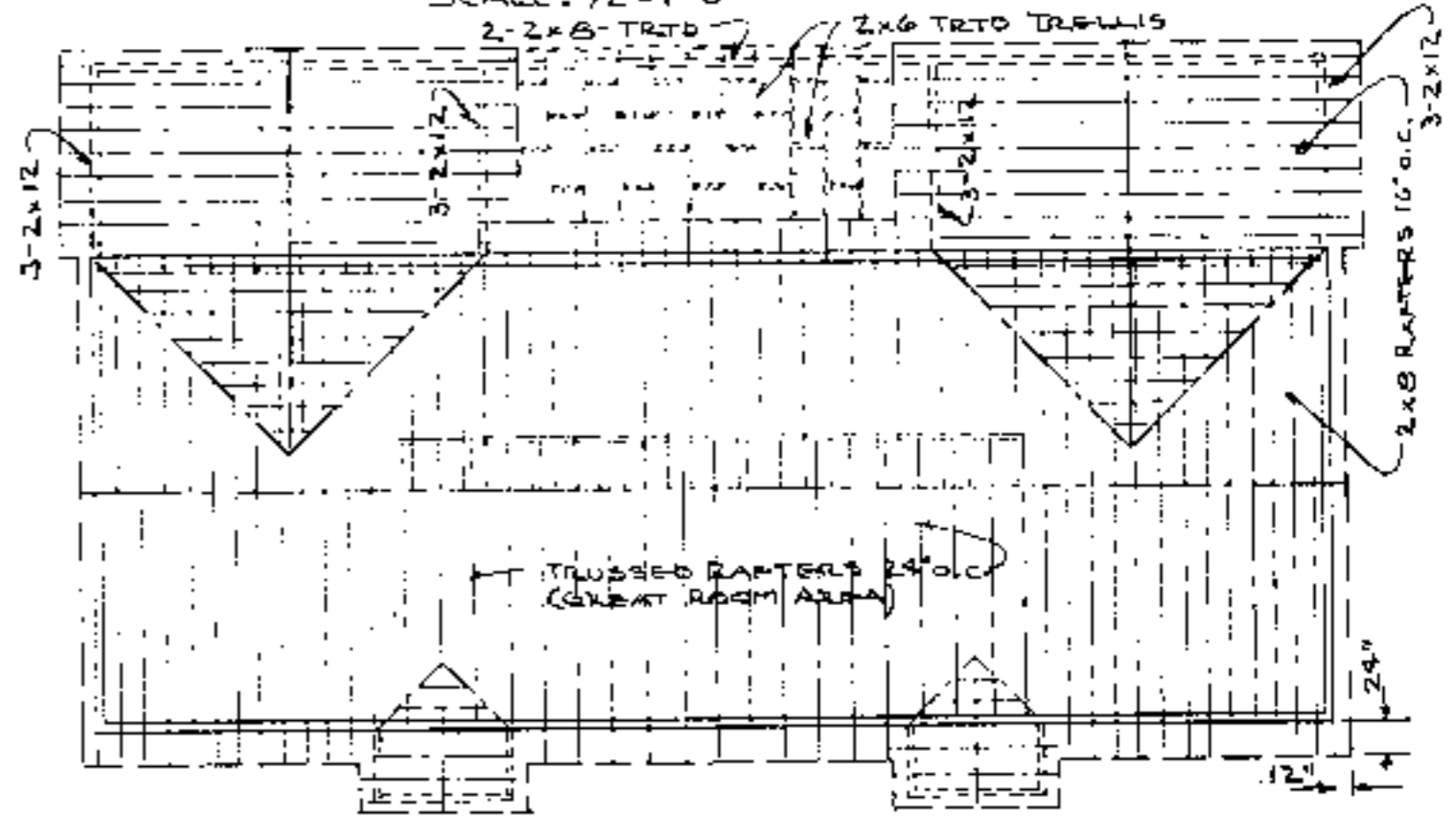


FOUNDATION PLAN - 1/8" = 1'-0"



TYPICAL WALL SECTION

SCALE: 1/2" = 1'-0"



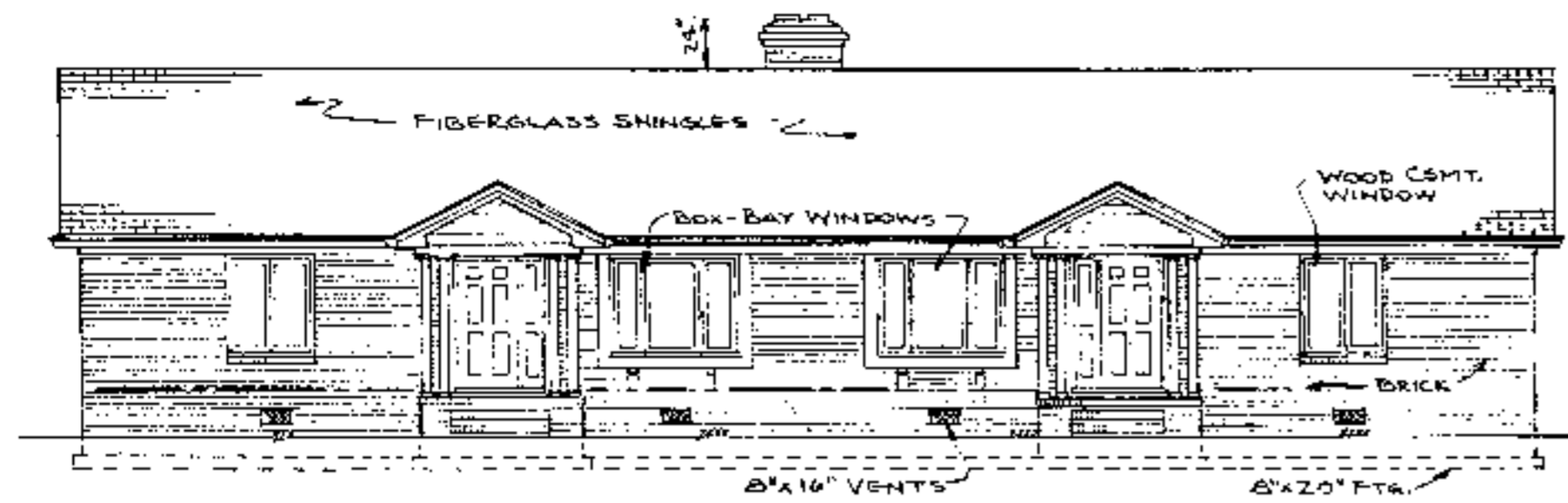
ROOF FRAMING PLAN

NO SCALE

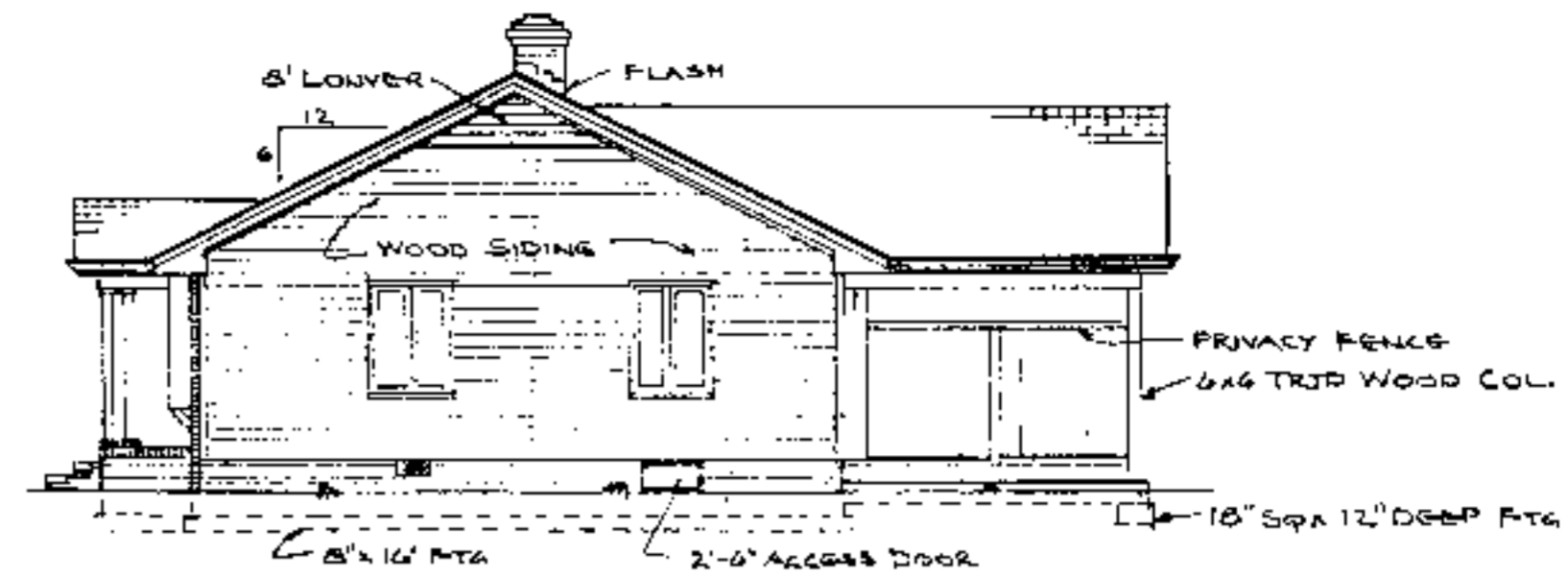


Helping people put knowledge to work

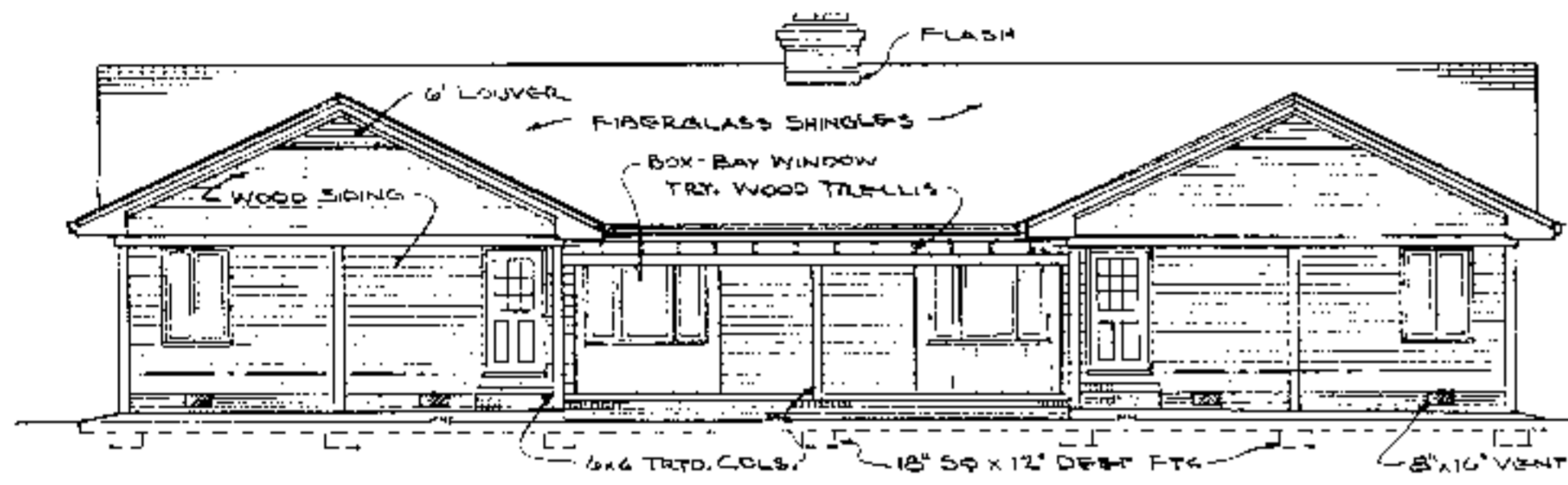
N.C. AGRICULTURAL EXTENSION SERVICE HOME ECONOMICS — HOUSING N.C. State University, Raleigh, North Carolina and U.S. Department of Agriculture, Cooperating	
2-BEDROOM DUPLEX W/CARPORIT	EA. SIDE 1008 Sq. Ft. HTD.
REV. OF USDA 7264	N.C. 9 '85 Sheet 2 of 3



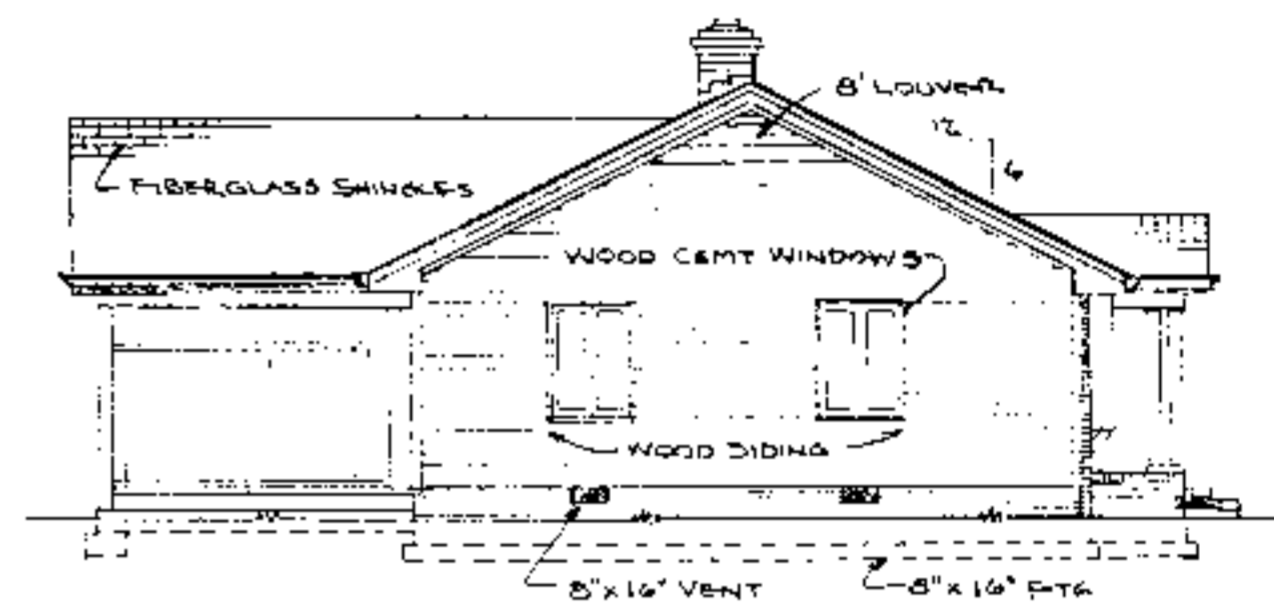
FRONT ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/8" = 1'-0"



REAR ELEVATION
SCALE: 1/8" = 1'-0"



LEFT SIDE ELEVATION
SCALE: 1/8" = 1'-0"

CONSTRUCTION CHECKLIST

- 1- CONSULT LOCAL BUILDING CODES AND LENDING AGENCIES BEFORE BEGINNING CONSTRUCTION (ROOF FRAMING SHOWN IS FOR 30 P.S.F. SNOW LOAD)
- 2- ACTUAL FOOTING SIZE & REINFORCING DEPENDS ON LOCAL SOIL CONDITIONS.
- 3- ADEQUATELY NAIL & ANCHOR JOINTS.
- 4- SHEATH CORNERS WITH 1/2" PLYWOOD OR HIGH DENSITY FIBERBOARD OR USE DIAGONAL BRACING.
- 5- USE EXTERIOR GLUE PLYWOOD WHEREVER IT MAY BE WETTED DURING OR AFTER CONSTRUCTION.
- 6- PRESSURE TREAT ALL WOOD WITH GROUND CONTACT AND PROVIDE OTHER NEEDED TERMITES CONTROL.
- 7- R-VALUES MAY BE ADJUSTED TO LOCAL TEMPERATURES AND FUEL COSTS.
- 8- PROVIDE 1 SQ. FT. MIN OF ATTIC VENT OPENINGS PER 150 SQ. FT. OF CEILING AREA.
- 9- WEATHERIZE ALL OPENINGS & JOINTS.

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
S	SINGLE POLE SWITCH
S3	THREE-WAY SWITCH
⊕	DUPLEX OUTLET
⊕ WP	WEATHERPROOF OUTLET
⊕	SPECIAL PURPOSE OUTLET
U	LIGHTING OUTLET
H	WALL BRACKET LIGHT
⊙	COMB. FAN, LIGHT, HEATER
⊞	FLUO. STRIP IN SOFFIT, COVE, CABINET

DOOR SCHEDULE

MARK	SIZE	DESCRIPTION	NO. REQ'D
①	32x68	1 1/2" EXT. - INSULATED STEEL W/SIDE LIGHT	2
②	32x68	" " " " " " 1/2 GLASS	2
③	28x68	1 1/8" INT. 6-PANEL COLONIAL	6
④	24x68	" " " " " "	4
⑤	16x68	" " 3-PANEL "	4
⑥	52x68	" " PANEL, BIFOLD	2
⑦	48x68	" " " " " "	4
⑧	28x68	" " " " " "	2



WINDOW SCHEDULE

MARK	SIZE	DESCRIPTION	NO. REQ'D
A	62x52	32x52 MIXED W/2-12x52 CMNTS	4
B	42x52	DOUBLE CASHEMENT, WOOD	2
C	32x52	" " " "	6

ALL WINDOWS SHALL BE NWMA CERTIFIED, WITH DOUBLE GLAZING OR STORM SASH

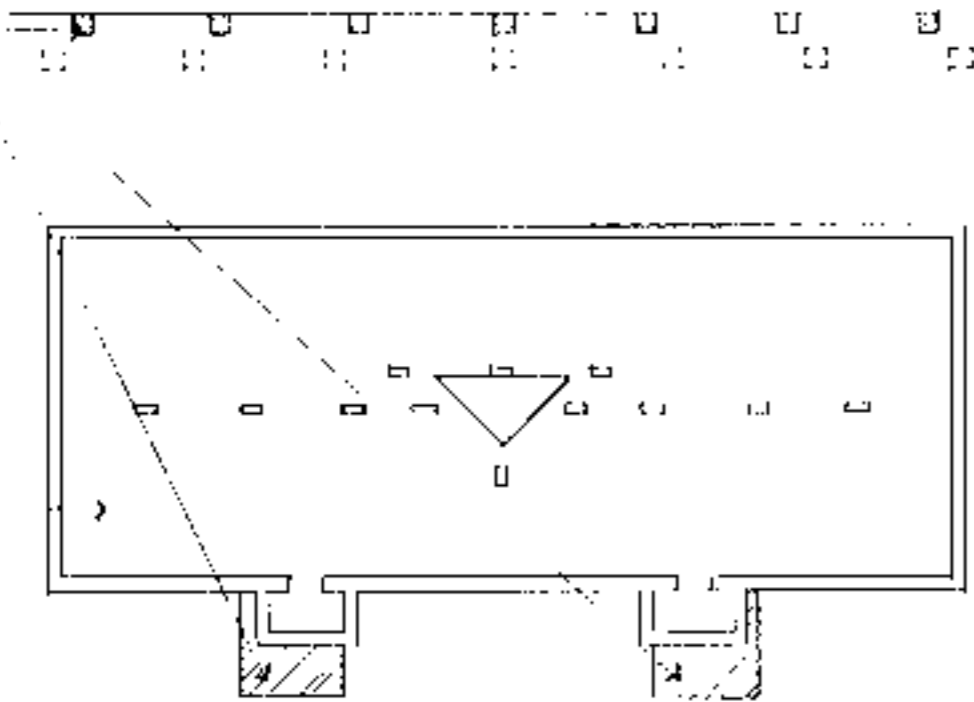
N.C. AGRICULTURAL EXTENSION SERVICE
HOME ECONOMICS — HOUSING
N.C. State University, Raleigh, North Carolina
and
U.S. Department of Agriculture, Cooperating

2-BEDROOM DUPLEX w/CARPORT

EA. 500-1008
Sq. Ft. HTD.

REV. OF USDA 7264 N.C. 9 '86 Sheet 3 of 3

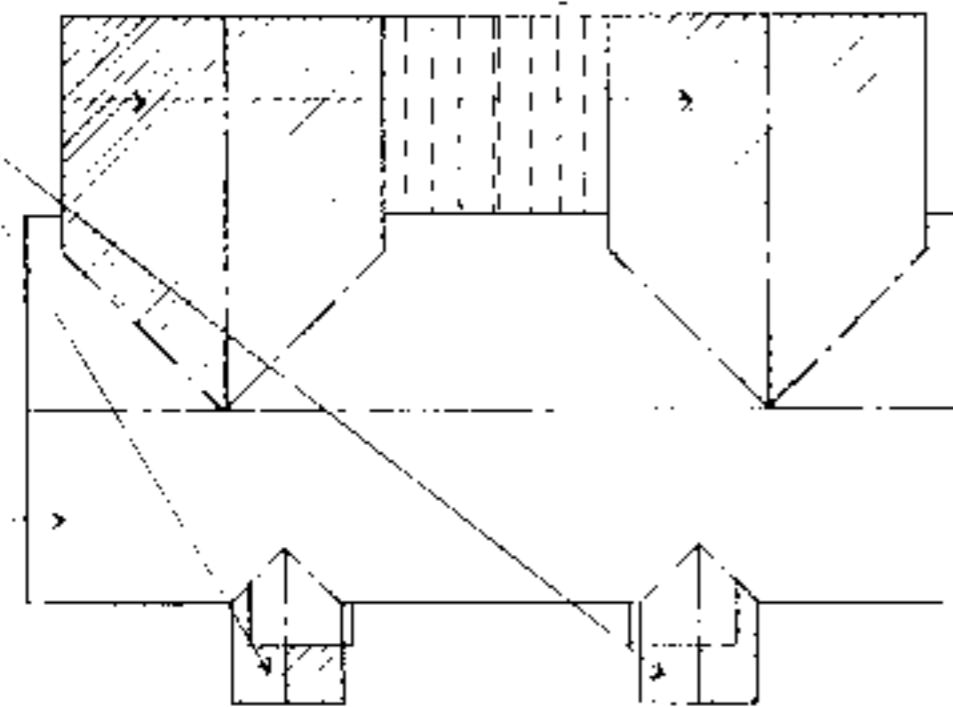
AMENDED ACCESSIBLE FOUNDATION AREA. REVISE AS NECESSARY.



FOUNDATION PLAN. SEE ORIGINAL PLANS FOR DIMENSIONS, NOTES, ETC.

KEY FOUNDATION PLAN
NO SCALE

AMENDED ACCESSIBLE ROOF AREAS. REVISE AS NECESSARY.



ROOF PLAN. SEE ORIGINAL PLANS FOR DIMENSIONS, NOTES, ETC.

KEY ROOF FRAMING PLAN
NO SCALE

INFORMATION

Supplemental Accessible House Plan # 9A

Adapted from and to be used in conjunction with original plan # NC 9

SEE ORIGINAL PLANS FOR ALL WALL SECTIONS, INTERIOR ELEVATIONS, DETAILS, CONSTRUCTION DETAILS, SCHEDULES AND MISCELLANEOUS INFORMATION.

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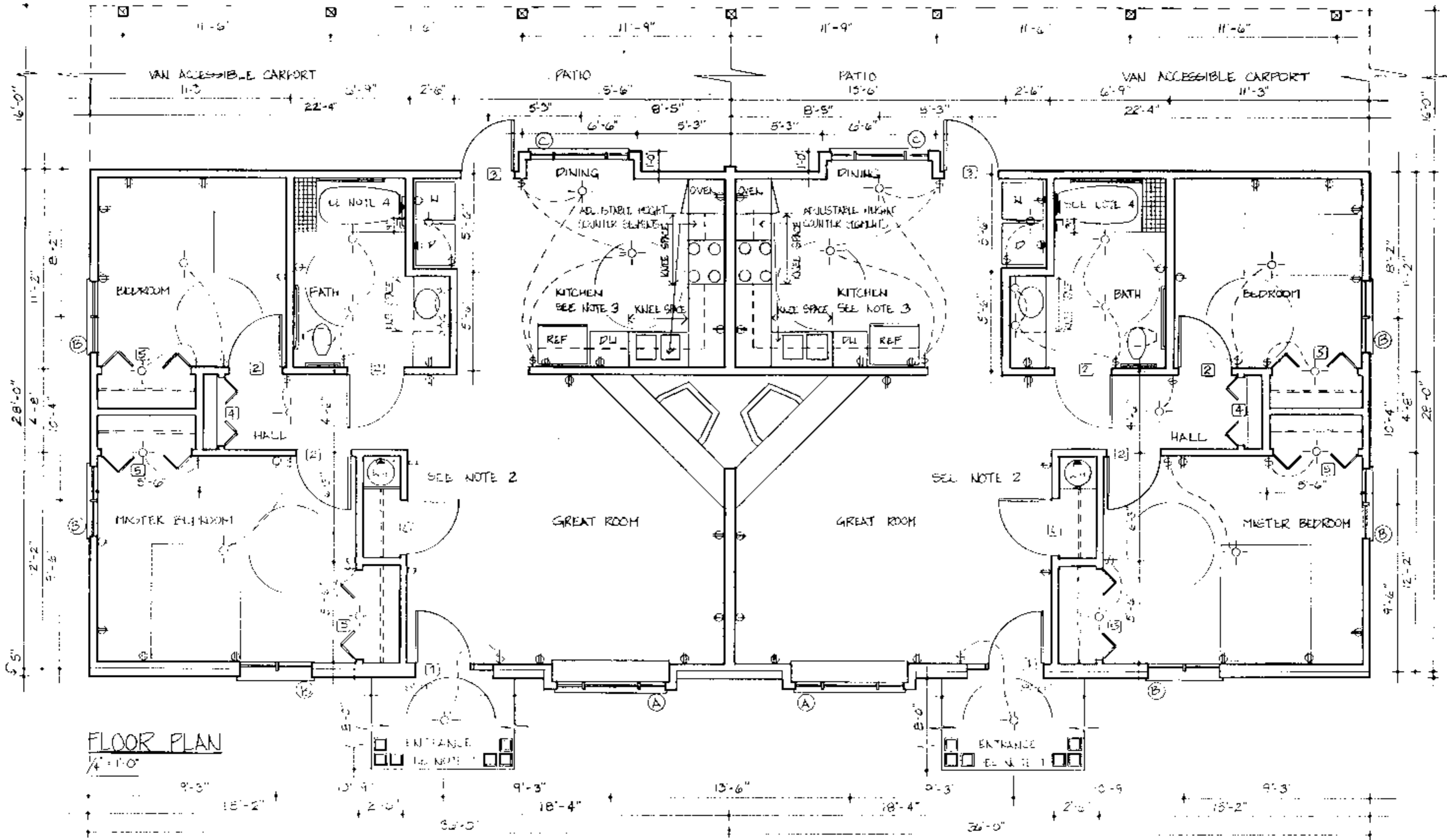
BUILDING DATA	
# Bedrooms	2
Square Footage: heated	1008
storage/porch	368
porch	64
total	1440

PLAN DATA
Adapted by: C. Sanchez
Drawn by: C. Humkey
Approved by: R. Moore

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Accessible House Plan # 9A
Adapted from NC Collection Plan # 9
North Carolina Cooperative Extension Service
NCSU Home Economics - Housing
Box 7605
Raleigh, NC 27695-7605
US Department of Agriculture, Composting

PLAN DATA
Sheet 1 of 6
Date May 93



FLOOR PLAN
1/4" = 1'-0"

Note 1. Entrance

- Viewing window glass or sidelights or high/low peep hole viewer or extreme wide angle lens viewer for security
- Level clear floor area both inside and outside of door to provide maneuvering space at doors
- 36-inch wide doors
- Maximum of 1/4-inch vertical change in level at thresholds and other changes in level
- Lever handle on doors
- 12-inch wide outside shelf for packages

Note 2. General

- Electrical receptacles are to be placed at easy to reach height; electrical outlets 18 inches above floor, light switches 38 inches above floor
- Additional electrical outlets in bedrooms to accommodate assistive devices
- Thermostats/controls 44 inches above the floor
- Rocker light switches
- 42-inch clearance in hallways, 32-inch width minimum clear opening width in doorways, 24-inch wide space on latch side of doors on pull side
- Lever handle on doors. Auxiliary handles on doors for ease in closing. Loop type handles 30-36 inches above floor and 6 inches from hinge edge on pull side
- Window sill between 18 and 36 inches above the floor
- Casement windows
- Smooth dense floor coverings for easy maneuvering
- Adjustable height closet rods and storage shelves from 3'-0" to 5'-6"

Note 3. Kitchen

- Counter segments elevation can be set at different heights from 30 to 36 inches.
 - Kneespace with pipe protection panel or base cabinets at key locations
 - Front mounted controls on the stove
 - Loop cabinet handles and drawer pulls
 - 5' diameter turning space
 - Lever handle faucet
 - Cabinet doors sliding or spring loaded hinges on cabinet doors
 - Cabinets with full extension pull out shelves
 - Lazy Susans
 - Side-by-side refrigerator/freezer
 - Adaptable removable base cabinets
- See sheet 5 for adjustable sink and counter detail, section at garbage disposal enclosure detail, and counter support bracket detail.

Note 4. Bathrooms

- Hand held shower head
 - Lever handle faucets
 - Offset controls in tub/shower
 - Open front lavatory with knee space with protection panel
 - 5' diameter turning space
 - Dual lever faucet controls permit easy manipulation of the flow of water and water temperature.
 - Reinforced walls to accommodate grab bars. Suggested grab bar locations are as required by ANSI. Actual location may need to meet individual needs. Full wall reinforcement, as specified, allows for any position or height to be accommodated.
- See sheets 5 & 6 for section at bathroom counter and sink detail, and typical suggested roll-in shower floor and drain detail at wood frame construction.

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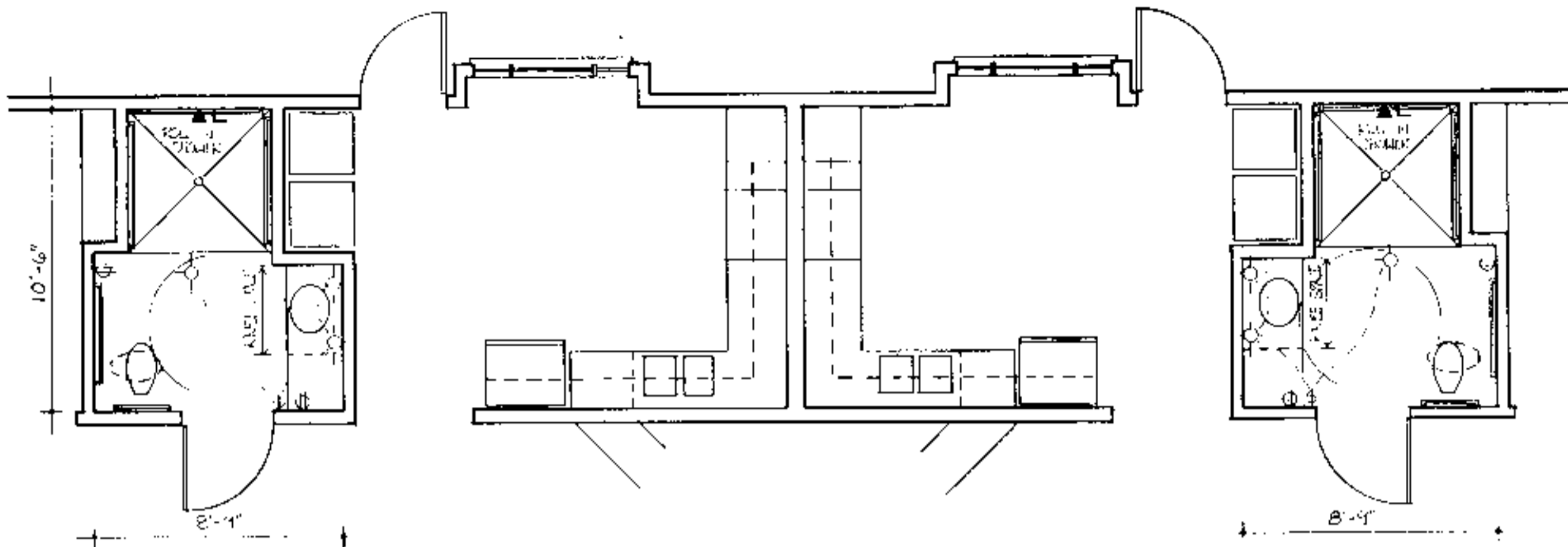
BUILDING DATA	
# Bedrooms	2
Square Footage: heated	1008
storage/carport	368
porch	64
total	1440

PLAN DATA
Adapted by: C. Sanchez
Drawn by: C. Humkey
Approved by: R. Mace

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Adapted from NC Collection Plan # 9
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US Department of Agriculture, Cooperating

PLAN DATA
Sheet 2 of 6
Date May 93

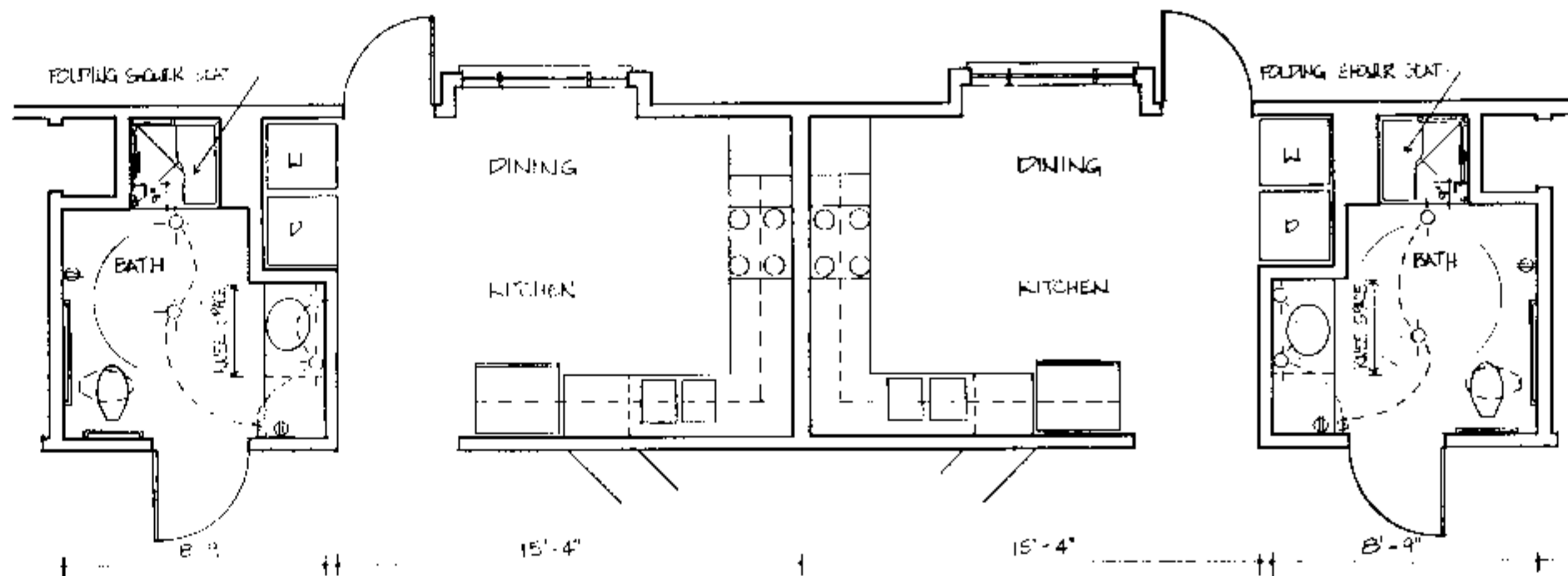


BATHROOM OPTION - 5'x5' ROLL IN SHOWER
 $\frac{1}{4}'' = 1'-0''$

House # 4

Door Schedule			Symbol
Mark	Size	Description	No. Required
1	3'0" x 6'8"	exterior hardwood w/side light	2
2	3'0" x 6'8"	interior hardwood	6
3	3'0" x 6'8"	exterior	2
4	3'6" x 6'8"	interior bifold	2
5	5'0" x 6'8"	interior bifold	6
6	3'0" x 6'8"	int. hardwood (closet)	2

Window Schedule			Symbol
Mark	Size	Description	No. Required
A	6'0" x 5'2"	casement	2
B	4'0" x 5'2"	casement	6
C	5'6" x 5'2"	casement	2



BATHROOM OPTION - 3'x3' TRANSFER SHOWER
 $\frac{1}{4}'' = 1'-0''$

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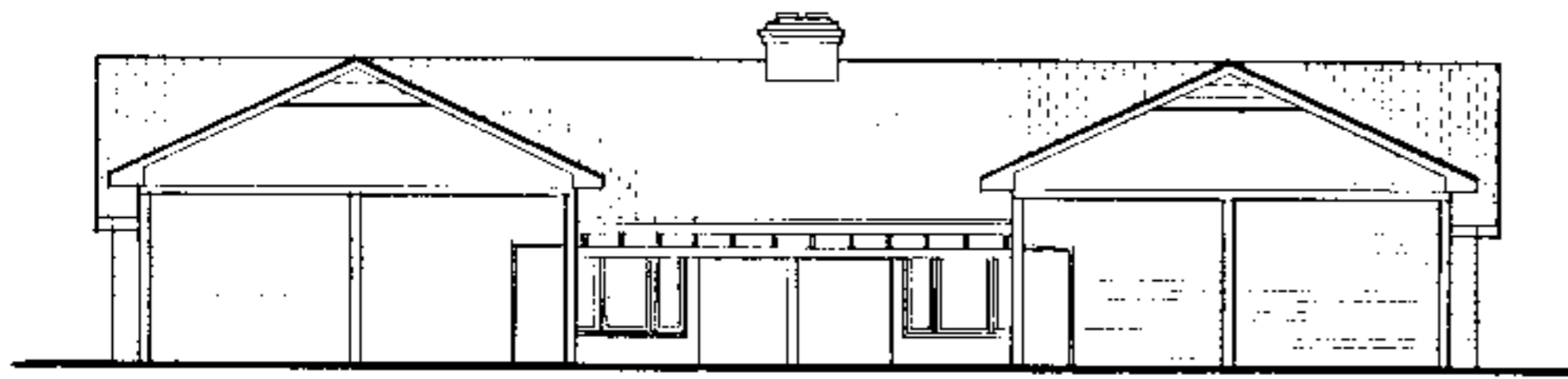
BUILDING DATA	
# Bedrooms	2
Square Footage: heated	1000
storage/porch	368
porch	64
total	1440

PLAN DATA
 Adopted by: C. Sanchez
 Drawn by: C. Humkey
 Approved by: R. Mace

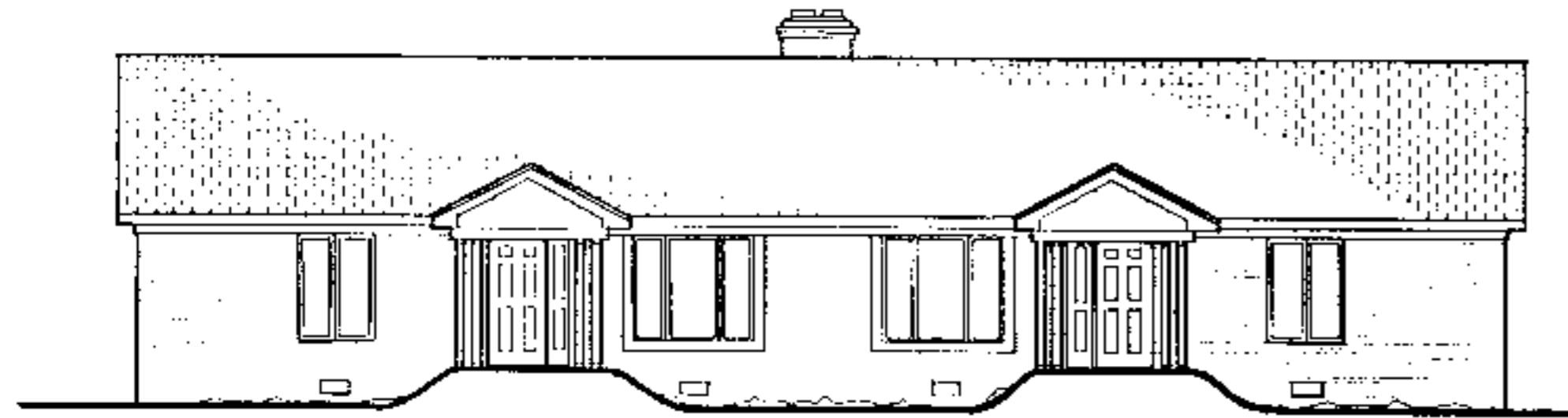
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Accessible House Plan # 97A
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 US Department of Agriculture, Composting

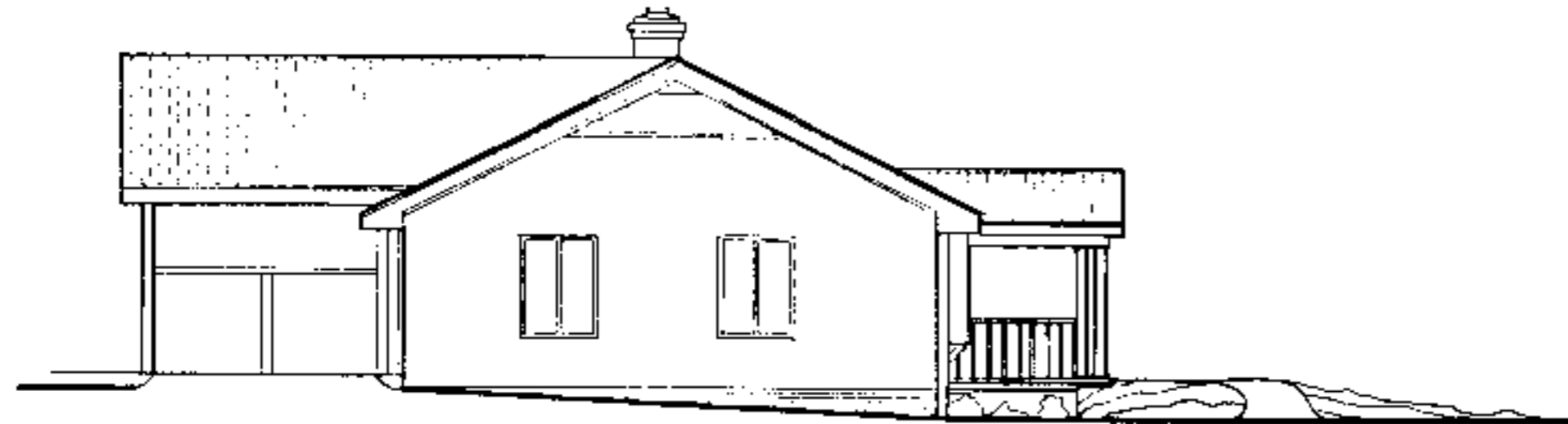
PLAN DATA
 Sheet 3 of 6
 Date May 92



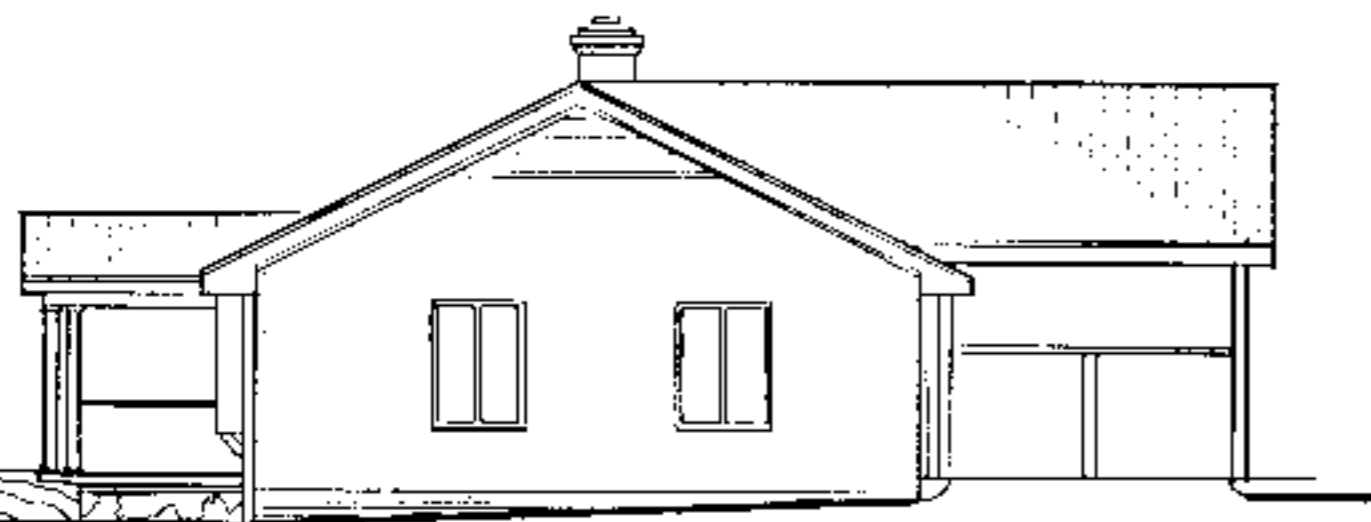
REAR ELEVATION
1/8" = 1'-0"



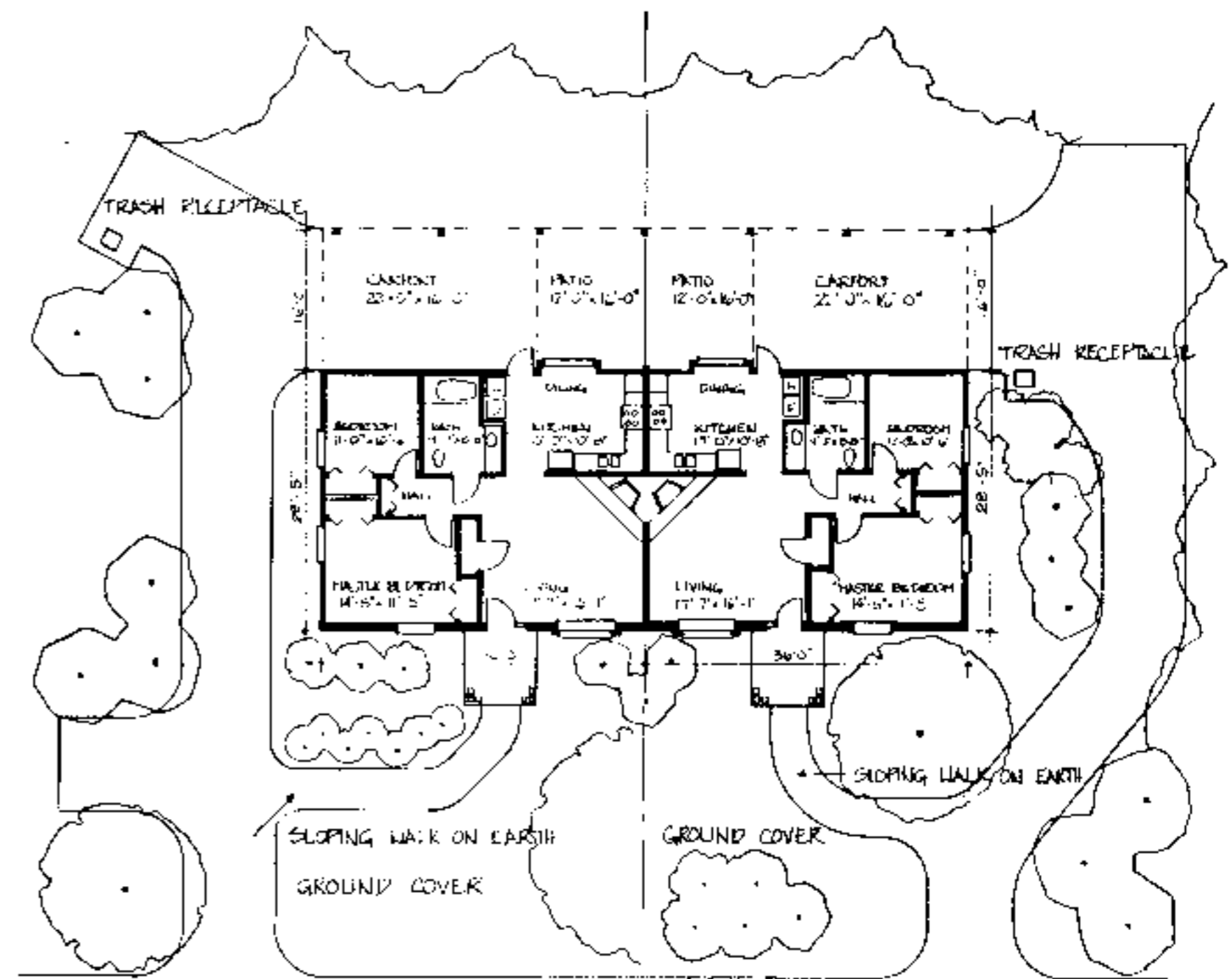
FRONT ELEVATION
1/8" = 1'-0"



LEFT SIDE ELEVATION
1/8" = 1'-0"



RIGHT SIDE ELEVATION
1/8" = 1'-0"



SITE PLAN - OPTION 1
1" = 15'-0"

SITE PLAN - OPTION 2
1" = 15'-0"

Site Plan Notes

- When siting house and designing exterior walkways, consider topography, existing vegetation, solar orientation, and drainage.
- Eliminate the need for a ramp or limit its length and slope by placing the foundation as close to the ground as possible.
- Create attractive accessible entrances utilizing earthwork and site grading. Short wood framed bridges spanning from the elevated floor of the house to an uphill site location eliminate the need for special drainage, waterproofing and ventilation measures. On flatter sites, the bridge solution is possible by building an earth berm and retaining wall with a sloped walk.
- Locate walkways to provide convenient access to the parking area, house entrances, outside sitting area, mail/newspaper delivery area, and trash/recycling receptacles. Provide 1/2 inch raised edge on the side of walkways to prevent stroller or wheelchairs from rolling off accidentally.
- Create attractive enclosure for trash/recycling containers, that would also prevent them from blowing over or being disturbed by animals.
- Provide raised beds for gardening, on outside entertaining area and a recreational/play area. Locate raised beds/vegetable/flower near walkways, entrances and seating areas to maximize enjoyment, while facilitating ease of maintenance.
- When designing outside features, such as ramps, railings, or raised beds, use similar architectural details, colors, and building materials as in the (exterior) residence.
- Consider minimizing lawn space, or replacing it entirely with ground cover or mulch to reduce maintenance.
- Select plants which are appropriate for the soil and climate, such as indigenous species, to reduce maintenance. Include a variety of species of ground cover, and size and species of shrubbery to improve the ecological balance and wild life habitat.
- Choose plants which will mature at the desired height and provide year-round interest in views both outside and from within the house.
- Use multiseason plants (those with interesting color, textures, fragrance, or edible part) and plants which attract birds and butterflies to maximize landscape enjoyment without increasing maintenance.

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Square Footage: heated	1000
storage/carpent	368
porch	64
total	1440

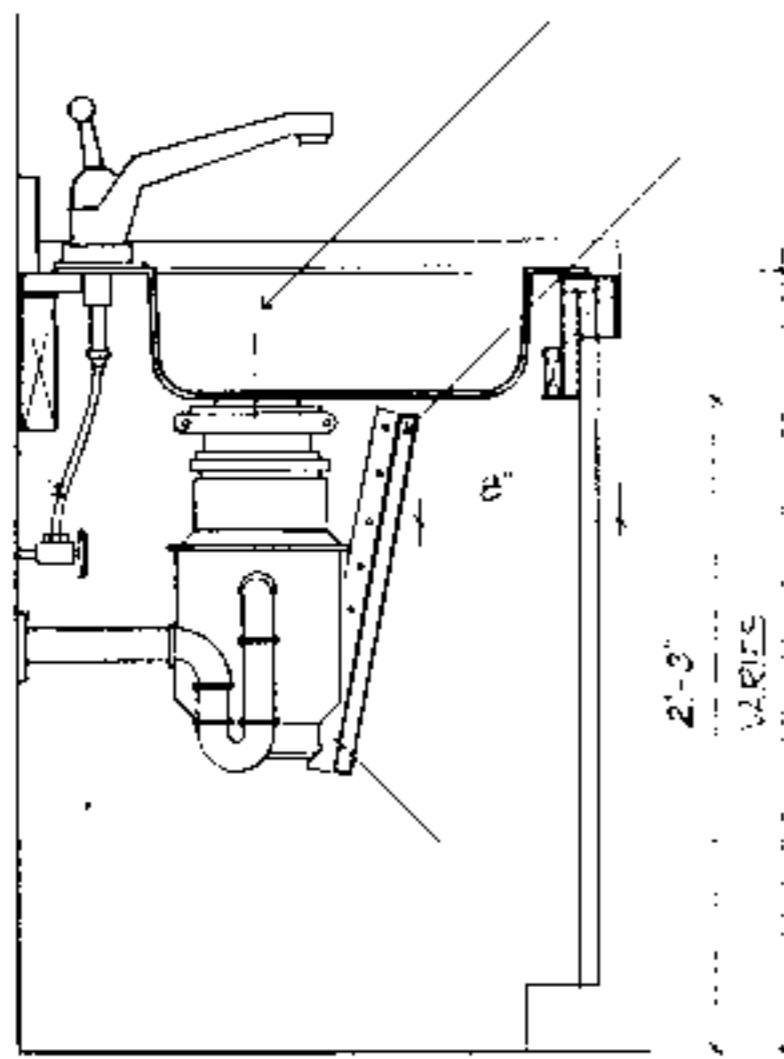
PLAN DATA
Adapted by: C. Sanchez
Drawn by: C. Hamley
Approved by: R. Mace

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Accessible House Plan # 9A
Adapted from NC Collection Plan # 9
North Carolina Cooperative Extension Service
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Raleigh, NC 27695-7805
US Department of Agriculture, Cooperating

Plan 9A.D.116
Sheet 4 of 6
Date: May 93

FLEXIBLE SUPPLY PIPES



MOEN SINK E-2522 4 HL/HR

PIPE PROTECTION PANEL
1/4" TO 3/8" PLYWOOD
VENEUR PANEL

1" x 2" MOUNTING STRIPS
AT CABINET BEYOND

TYPICAL SECTION AT GARBAGE DISPOSAL ENCLOSURE

1/2" = 1'-0"

STANDARD
BASE CABINETS
ADJUSTABLE
SINK & COUNTER

7" MAX.

1/4" TO 3/8" PLYWOOD
VENEUR PANEL
WITH 1" x 2"
STIFFENERS AS
NEEDED

REMOVABLE
PANEL, ANGLE AND
LENGTH CONCEAL
PIPES SCREW
TO MOUNTING
STRIPS

MOVABLE WOOD BLOCK
SUPPORT AT
ADJACENT CABINETS

3/4" PLYWOOD WITH
PLASTIC LAMINATE

STUD KNEE WALL
FLEXIBLE SUPPLY PIPE

TAIL PIECE WITH
SLIP JOINT

1" x 2" MOUNTING STRIPS
AT CABINET BEYOND

TYPICAL ADJUSTABLE SINK & COUNTER DETAIL

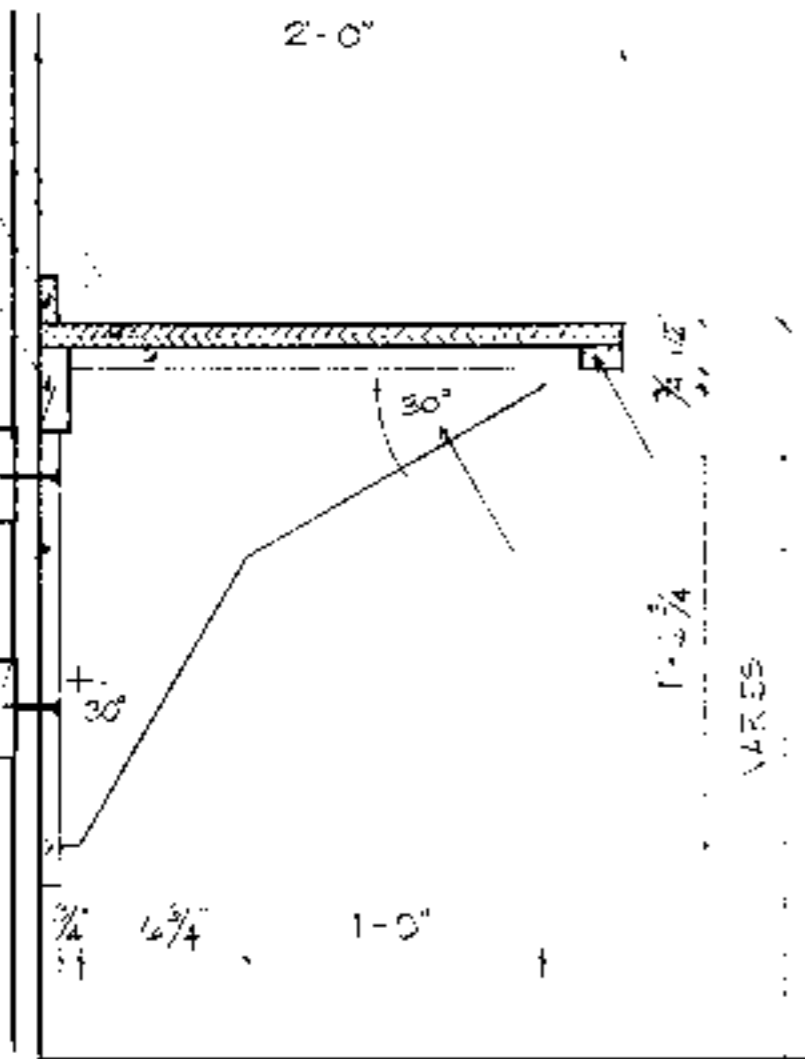
1/2" = 1'-0"

1" x 4" FLANGE
3/4" PLYWOOD WITH
PLASTIC LAMINATE
1" x 2" BACKBUSH
2" x 4"

SOLID WOOD
STRUCTURAL BLOCKING
BETWEEN STUDS. ALL
BRACKETS AS NECESSARY

BRACKET FLANGE
SCREWED, NAILED OR
BOLTED TO BLOCKING
OR STUDS AS NECESSARY
TO SUPPORT ALL LOADS

1" x 4" SOLID WOOD
FLANGE ROUTED,
LET-IN, GLUED AND
NAILED TO PLYWOOD



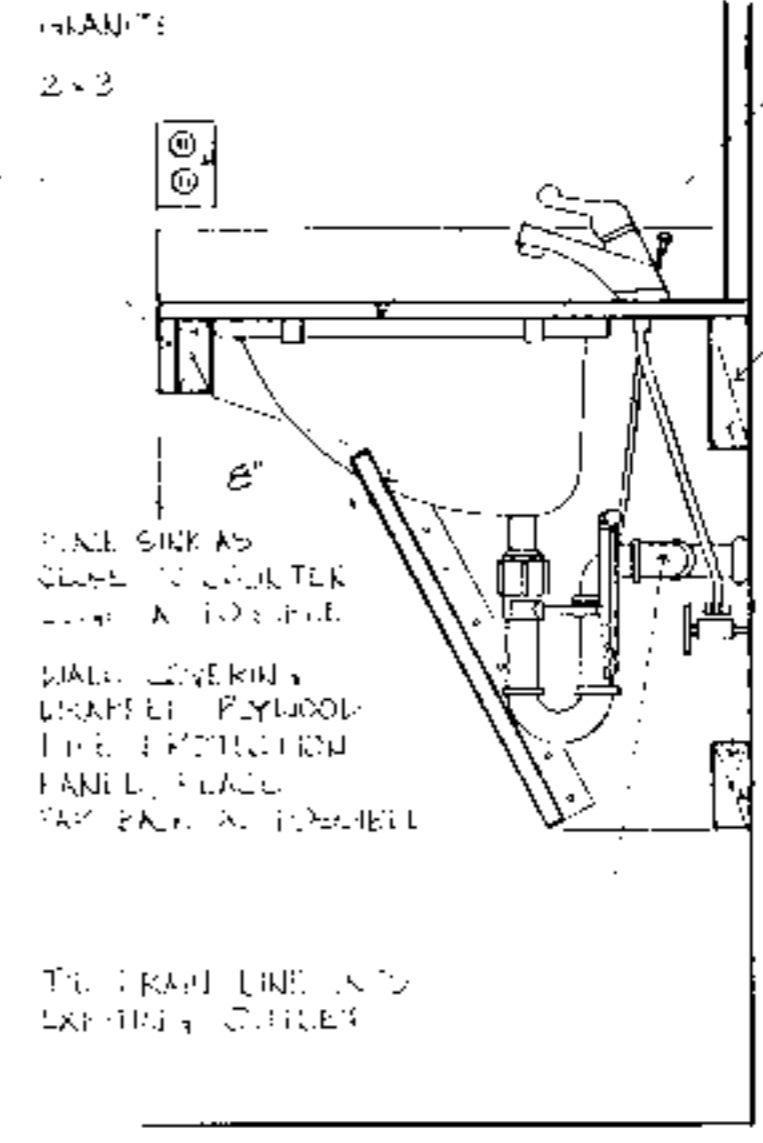
1" x 2"

3/4" BIRCH VENEER PLYWOOD
WITH 1/4" x 3/8" SOLID WOOD
EDGE BAN LET-IN, GLUED
AND NAILED

NEW RECEPTACLE
GRANITE COUNTERTOP

CUT OUT PIPE
PROTECTION PANEL
AROUND SINK EXHAUST

CONTINUOUS WOOD
SUPPORT BUILT
ON SCREWS TO
METAL STUDS



TYPICAL SECTION - COUNTER SUPPORT BRACKET

1/2" = 1'-0"

TYPICAL SECTION THROUGH BATHROOM COUNTER AND SINK

1/2" = 1'-0"

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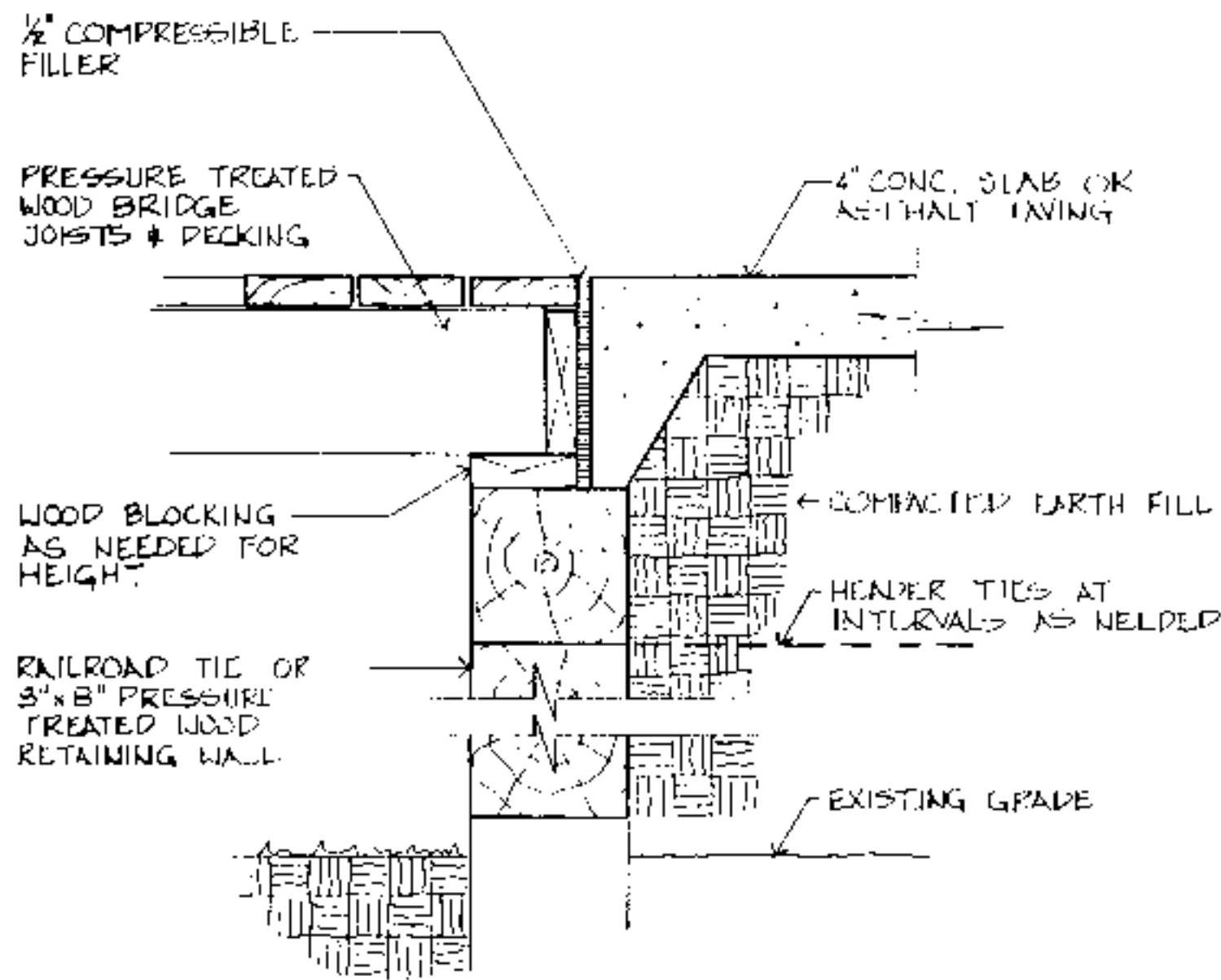
BUILDING DATA	
# Bedrooms	_____
Square footage: heated	_____
storage/corridor	_____
porch	_____
total	_____

PLAN DATA	
Adapted by:	C. Sanchez
Drawn by:	C. Humkey
Approved by:	R. Mace

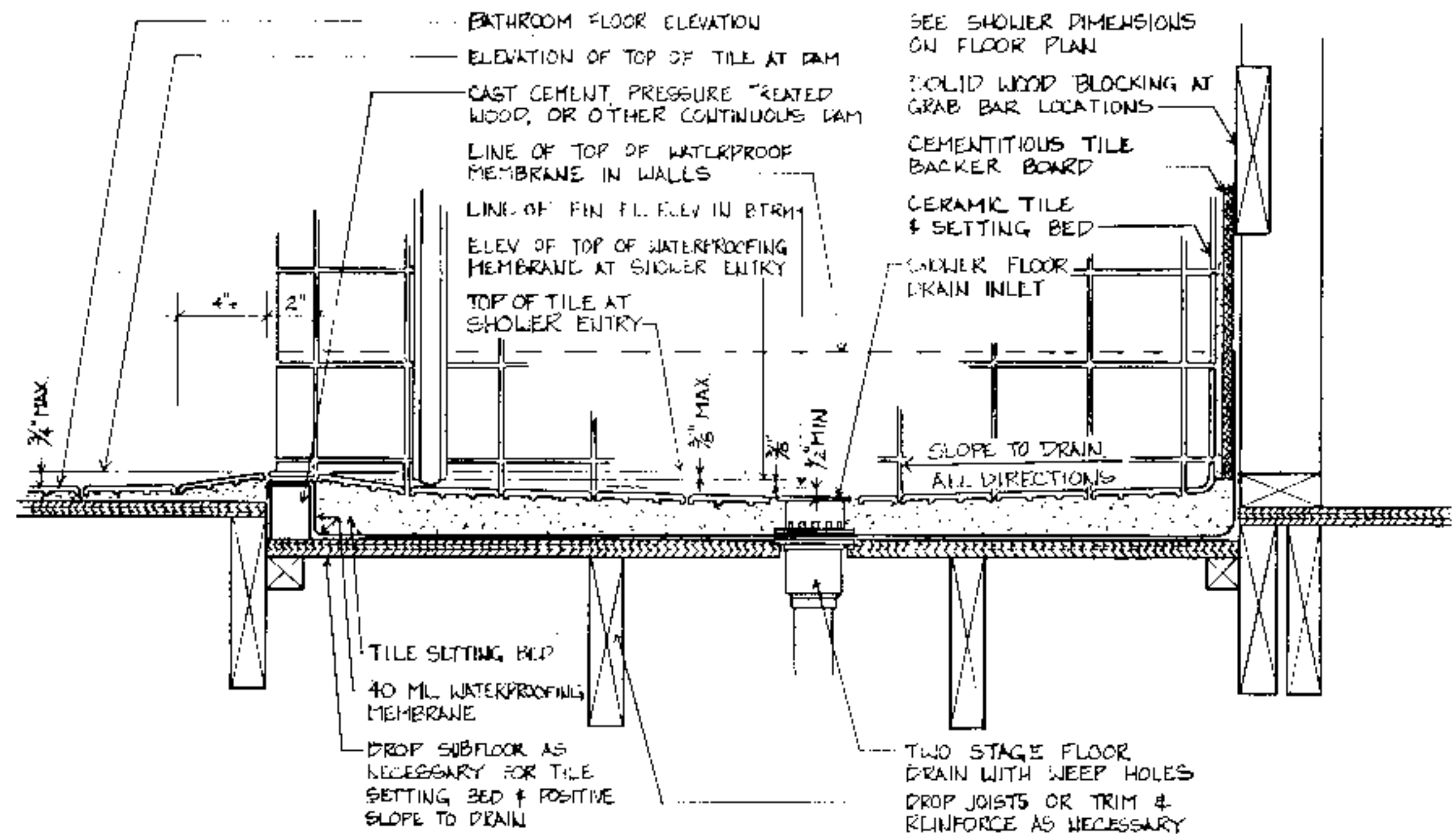
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Accessible House Plan # _____
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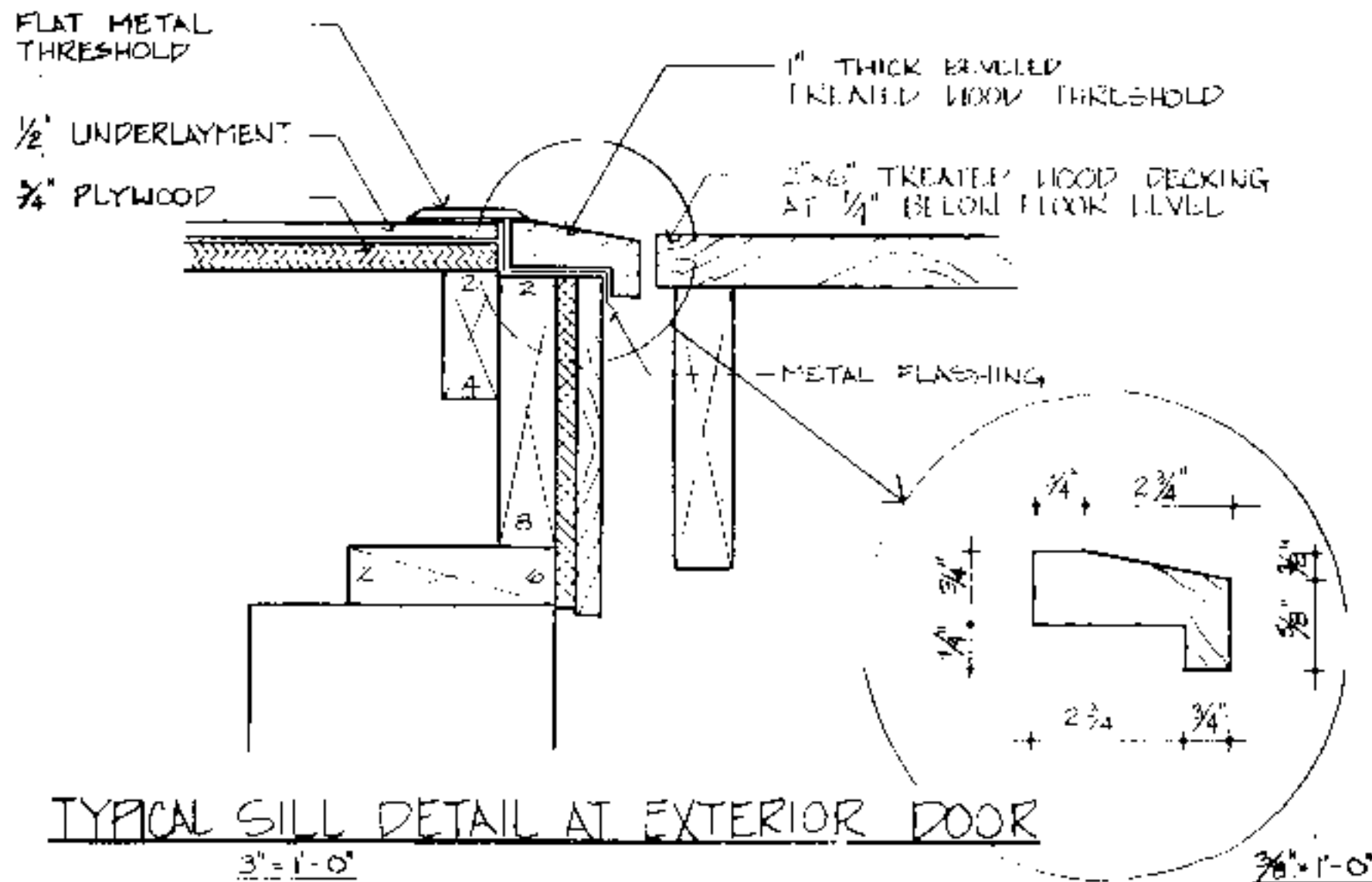
PLAN DATA	
Sheet	5 of 6
Date	May 93



TYPICAL BRIDGE END DETAIL
1/2" = 1'-0"



TYPICAL ROLL-IN SHOWER FLOOR & DRAIN DETAIL AT WOOD FRAME CONSTRUCTION
3" = 1'-0"



TYPICAL SILL DETAIL AT EXTERIOR DOOR
3" = 1'-0"

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BUILDING DATA	
# Bedrooms	_____
Square Footage: heated	_____
storage/corner	_____
porch	_____
total	_____

PLAN DATA	
Adopted by:	C. Sanchez
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Approved by:	R. Mace

Center for Accessible Housing
School of Design
NCSU
Box 8613
Raleigh, NC 27695-8613
919.515.3082 voice/TDD
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Accessible House Plan # _____
Adapted from NC Collection Plan # _____
North Carolina Cooperative Extension Service
NCSU Home Economics - Housing
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US Department of Agriculture, Cooperating

PLAN	DATA
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Date	May 93