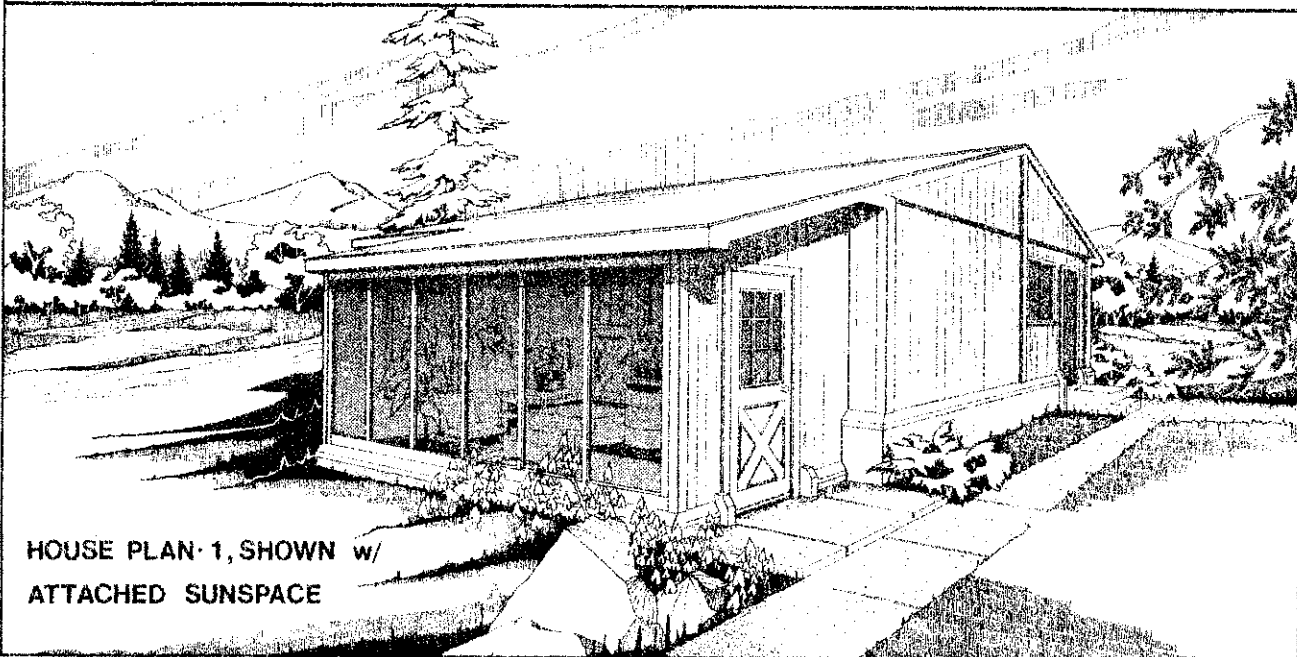


HOUSE PLAN-1, VIEW FROM SOUTHEAST



HOUSE PLAN-1, SHOWN w/  
ATTACHED SUNSPACE

# A Small Low Cost Micro-Load Passive Solar House For Cold Climates

## INDEX

- 1 Cover Sheet With Perspective
- 2 Siting & Landscape Details
- 3 Floor Plan & Schedules
- 4 Foundation Plan & Details
- 5 Wall Sections and Details
- 6 Window and Glazing Details
- 7 Section and Elevations
- 8 Kitchen/Bath Plans, Plumbing Layout
- 9 Electrical Plan w/ Heating and Lighting
- 10 Heat Exchanger Layout and Details
- 11 Double Wall Construction Sequence

**HOUSE PLAN-1  
SITE BUILT UNIT**

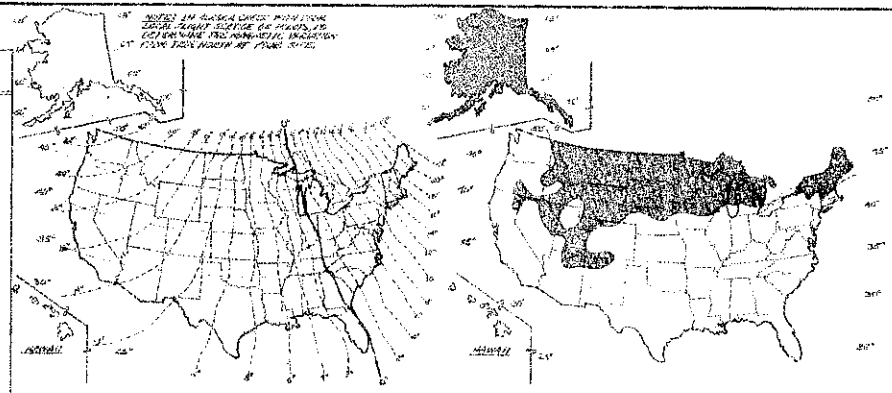
BUILDING TECHNOLOGY SECTION  
RESEARCH AND DEVELOPMENT DIVISION  
APPROVED: [Signature]  
DATE: [Date]

COVER SHEET WITH  
PERSPECTIVE VIEWS

**Ncat**  
the National Center for  
Appropriate Technology  
10101 N. 28th Ave., Suite 100  
Flagstaff, AZ 86001

## SITING AND LANDSCAPING NOTES

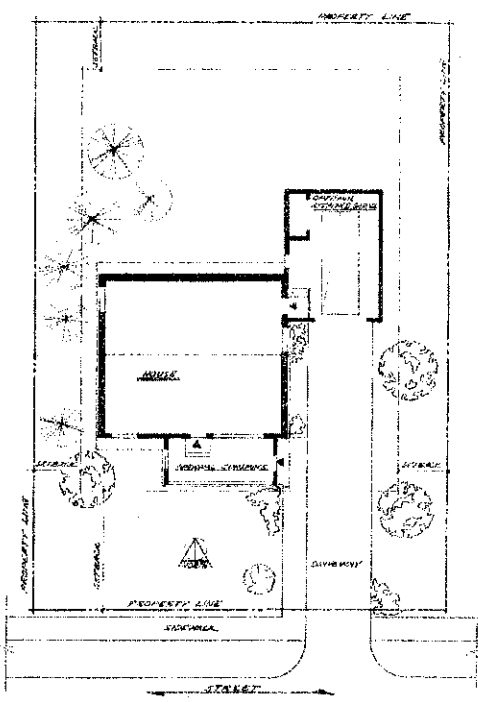
1. PLAN MAY BE REVERSED ALONG THE EAST-WEST AXIS, BUT CANNOT BE REVERSED ALONG THE NORTH-SOUTH AXIS.
2. DEVIATION OF UP TO 30 DEGREES FROM TRUE SOUTH SHOULD NOT BE NECESSARY. BEST PERFORMANCE, IF POSSIBLE, IS A EAST/WEST DEVIATION AND, IF MORE ADVANTAGEOUS TO PROJECT, ONE WHICH HELPS AVOIDS CORNERS WHEN IN MORE DESIRABLE THAN AFTERNOON SOLAR GAIN.
3. IF LOCATING TRUE SOUTH WITH A COMPASS, ONE SHOULD BE AWARE OF LOCAL MAGNETIC VARIATIONS. USE CORRECTION FACTORS ON MAPS ON THIS SHEET.
4. ALL SITE PLANS ON THIS SHEET ARE SHOWN ON AN ASSUMED ANGLE OF 30 DEGREES OF TRUE NORTH (AS NOTED).
5. VERIFY ALL SPARK AND JUMPING REQUIREMENTS FOR THE PLAN WITH LOCAL AUTHORITIES. SEPARATE DOWN BY THE DISTANCE ASSIGNED TO BE 50 FT ON SPARK AND 100 YARDS, AND 40 FT IN THE FRONT YARD.
6. THERMAL ANALYSIS OF THIS DESIGN HAS ONLY BEEN DONE FOR DIRECT RADIATION. OTHER-LEVELS DATA, THE DESIGN SHOULD BE DONE RESPONSIBLY IN THE MOUNTAIN. GREAT RANGE REGION OF SOUTHWESTERN STATES. THE DESIGN IS AHEAD-CHANGING CONDITIONS THAT MAKE THE DESIGNER ADVISED TO CHECK WITH LOCAL ENGINEERS OR ARCHITECTS BEFORE CONSTRUCTION.
7. GREENHOUSE PLANTINGS SHOULD BE UTILIZED IN WIND-BREAKERS TO THE NORTH AND WESTWARD, OR IN THE DIRECTION OF THE REGION'S PREVAILING WINDS.



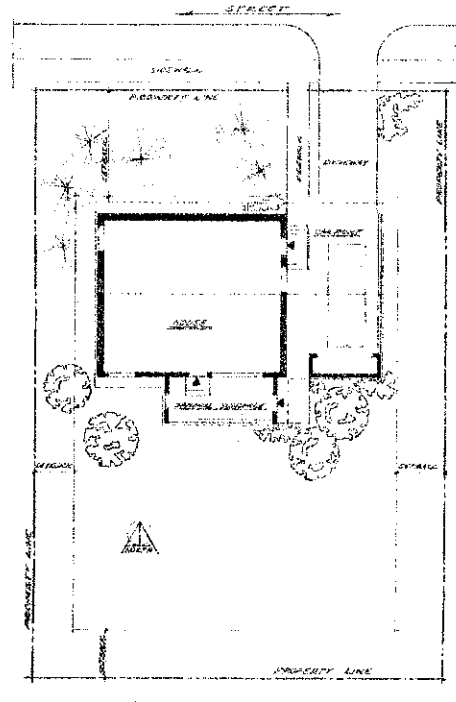
U.S. MAP INDICATING MAGNETIC NORTH VARIATIONS FROM TRUE NORTH.

U.S. MAP INDICATING AREAS OF 3000-DEGREE DAYS & ANGLES.

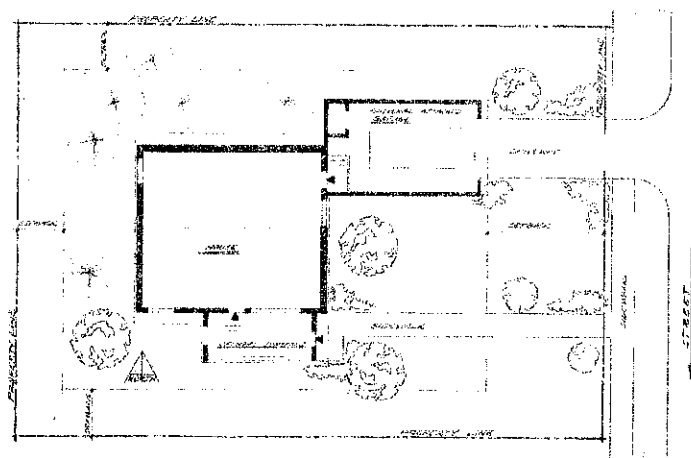
- HOW TO INTERPRET TRUE SOUTH FROM MAGNETIC NORTH
1. DETERMINE MAGNETIC NORTH USING A COMPASS.
  2. LOCATE TRUE NORTH ON THE MAP WHICH RELATES TO DETERMINING THE MAGNETIC VARIATION FROM TRUE NORTH.
  3. IF YOUR LOCATION IS WEST OF THE STANDARD MERIDIAN LOCATION LINE, THE NUMBER ON THE MAP INDICATES HOW FAR WEST YOU ARE TO THE WEST OF MAGNETIC NORTH. THE NUMBER INDICATES HOW FAR WEST YOU ARE TO THE WEST OF MAGNETIC NORTH.
  4. IF YOUR LOCATION IS EAST OF THE STANDARD MERIDIAN LOCATION LINE, THE NUMBER ON THE MAP INDICATES HOW FAR EAST YOU ARE TO THE EAST OF MAGNETIC NORTH. THE NUMBER INDICATES HOW FAR EAST YOU ARE TO THE EAST OF MAGNETIC NORTH.
  5. ADDING AND SUBTRACTING TO AND FROM TRUE NORTH WILL GIVE TRUE SOUTH.
  6. IF YOU ARE IN DOUBT CHECK YOUR TRUE SOUTH AGAINST THE NORTH STAR. THE NORTH STAR IS ALWAYS IN THE NORTH. THE NORTH STAR IS ALWAYS IN THE NORTH.



Access from South w/ Attached Garage



Access from North w/ Attached Canopy & Storage



Access from East or West w/ Attached Garage

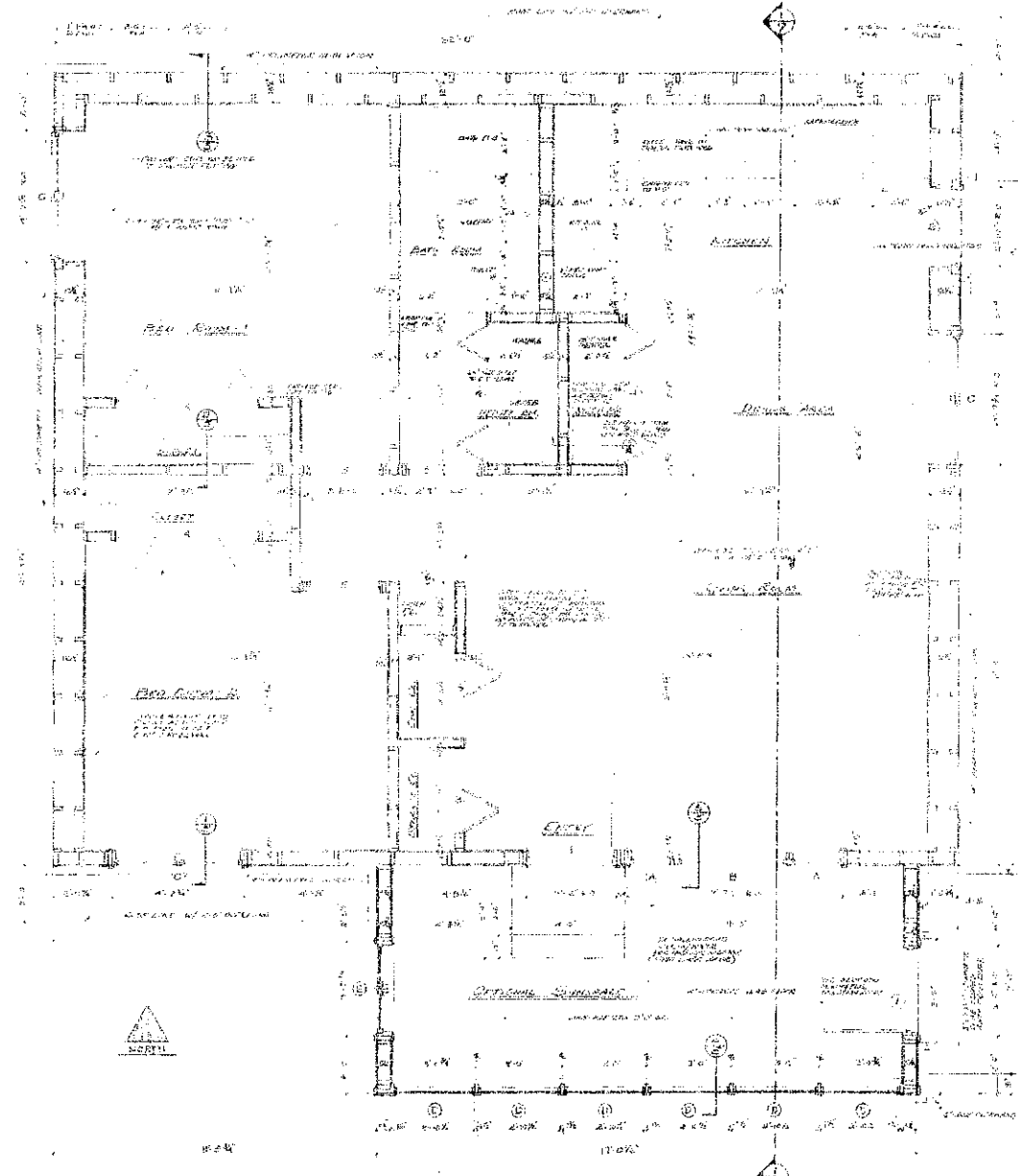
Various Access & Egress Site Layouts  
SCALE 1" = 10'-0"

THESE DRAWINGS ARE THE PROPERTY OF NCAT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF NCAT. THIS DRAWING IS THE PROPERTY OF NCAT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF NCAT.

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RESEARCH AND DEVELOPMENT DIVISION  
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DATE APPROVED: 08/11/01  
DRAWN: [Signature]  
CHECKED: [Signature]

SITING & LANDSCAPE DETAILS

**Ncat** the National Center for Appropriate Technology  
PO Box 34000 Tucson, Arizona 85734



FLOOR PLAN FOR NCAT SITE BUILT HOUSE  
 50' x 100' x 100'

**GENERAL NOTES**

1. ALL DIMENSIONS SHOWN ARE UNLESS NOTED OTHERWISE TO THE CONTRARY.
2. ALL FINISHES ARE TO BE AS SHOWN ON THE DRAWINGS UNLESS NOTED OTHERWISE.
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL MATERIALS ARE TO BE OF THE BEST QUALITY AVAILABLE.
5. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
6. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
7. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
8. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
9. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
10. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

**FINISH SCHEDULE**

NO.	GROUP	FINISH	DESCRIPTION
1	1	PLASTER	PLASTER AND PAINT
2	2	PAINT	PAINT
3	3	WOOD	WOOD
4	4	GLASS	GLASS
5	5	CEILING	CEILING
6	6	FLOOR	FLOOR
7	7	ROOF	ROOF

**INTER-FINISH SCHEDULE**

ROOM	FINISH	DESCRIPTION
LIVING ROOM	PLASTER	PLASTER AND PAINT
DINING ROOM	PLASTER	PLASTER AND PAINT
KITCHEN	PLASTER	PLASTER AND PAINT
BED ROOM 1	PLASTER	PLASTER AND PAINT
BED ROOM 2	PLASTER	PLASTER AND PAINT
BED ROOM 3	PLASTER	PLASTER AND PAINT
BATH	PLASTER	PLASTER AND PAINT
HALL	PLASTER	PLASTER AND PAINT
CL. 1	PLASTER	PLASTER AND PAINT
CL. 2	PLASTER	PLASTER AND PAINT
CL. 3	PLASTER	PLASTER AND PAINT
CL. 4	PLASTER	PLASTER AND PAINT
CL. 5	PLASTER	PLASTER AND PAINT
CL. 6	PLASTER	PLASTER AND PAINT
CL. 7	PLASTER	PLASTER AND PAINT
CL. 8	PLASTER	PLASTER AND PAINT
CL. 9	PLASTER	PLASTER AND PAINT
CL. 10	PLASTER	PLASTER AND PAINT

**WINDOW SCHEDULE**

NO.	GROUP	FINISH	DESCRIPTION
1	1	WOOD	WOOD
2	2	GLASS	GLASS
3	3	CEILING	CEILING
4	4	FLOOR	FLOOR
5	5	ROOF	ROOF

**NOTES**

1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
2. ALL MATERIALS ARE TO BE OF THE BEST QUALITY AVAILABLE.
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

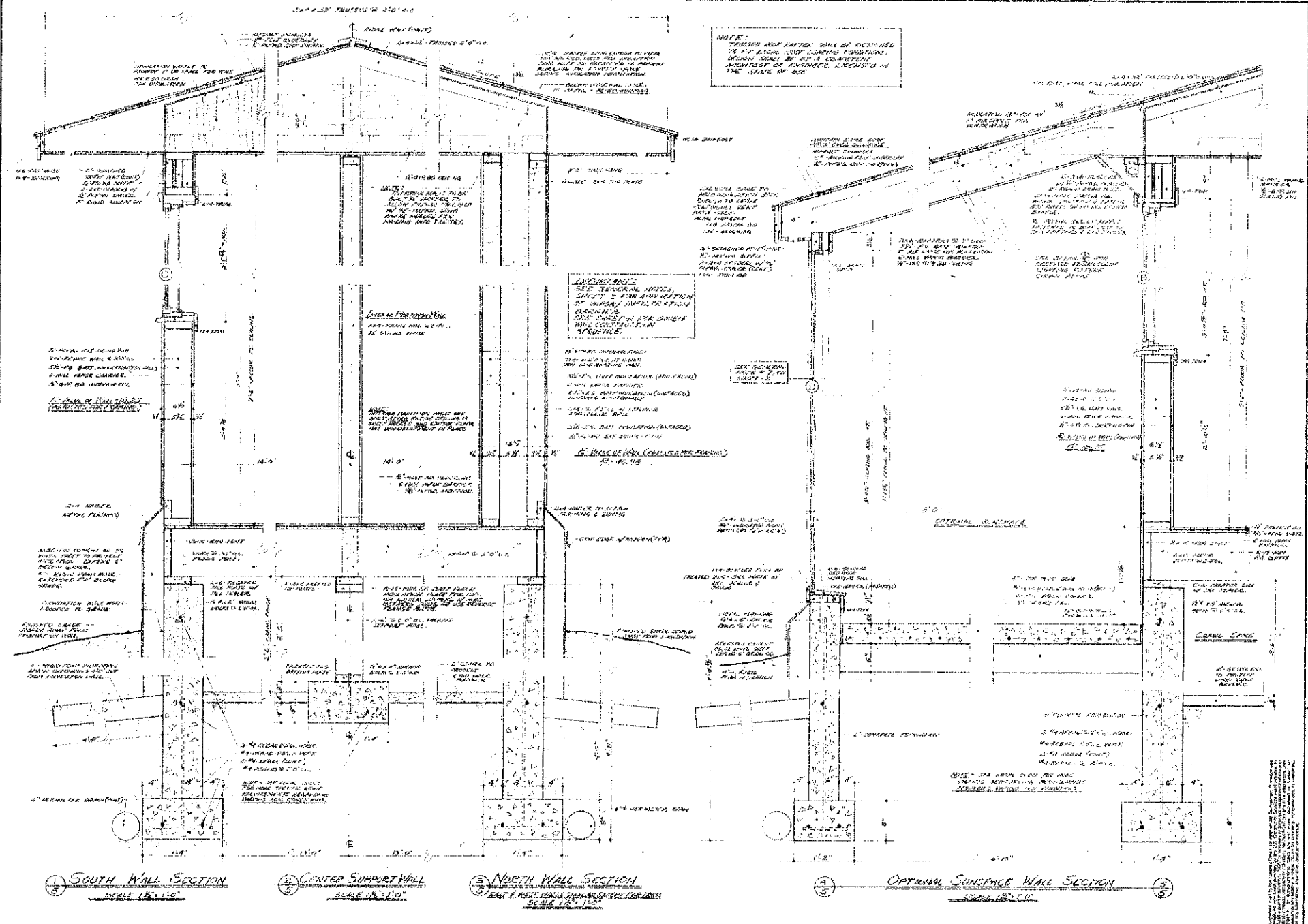
ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

**BUILDING TECHNOLOGY SECTION**  
 PROJECT: NCAT SITE BUILT HOUSE  
 DRAWN: [Name]  
 DATE: [Date]  
 CHECKED: [Name]

**FLOOR PLAN AND SCHEDULES**

**Ncat** the National Center for  
 Appropriate Technology  
 P.O. Box 10200, Davis, Missouri 64601



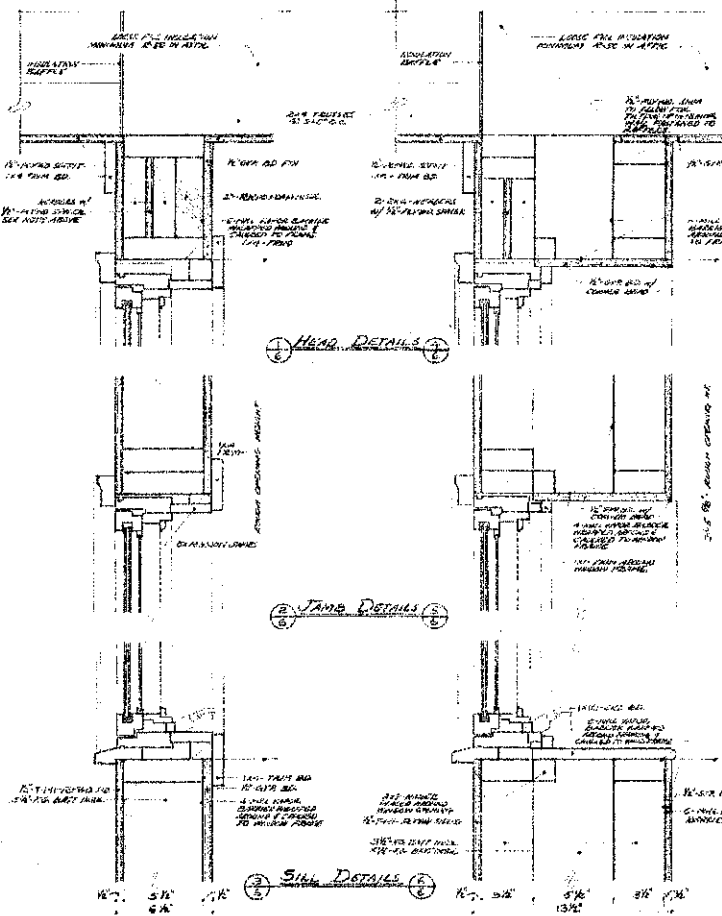


REVISIONS FOR CONSTRUCTION ON  
 DRAWING NUMBER: 100-100-100  
 SHEET NUMBER: 5 OF 10  
 DATE: 10/10/2010  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 PROJECT: 100-100-100

WALL SECTIONS  
AND DETAILS

**HEADERS NOTE**  
 USE TWO 2x4 FOR GANGED WINDOW  
 USE TWO 2x4 FOR WINDOW  
 USE TWO 2x4 FOR WINDOW  
 USE TWO 2x4 FOR WINDOW

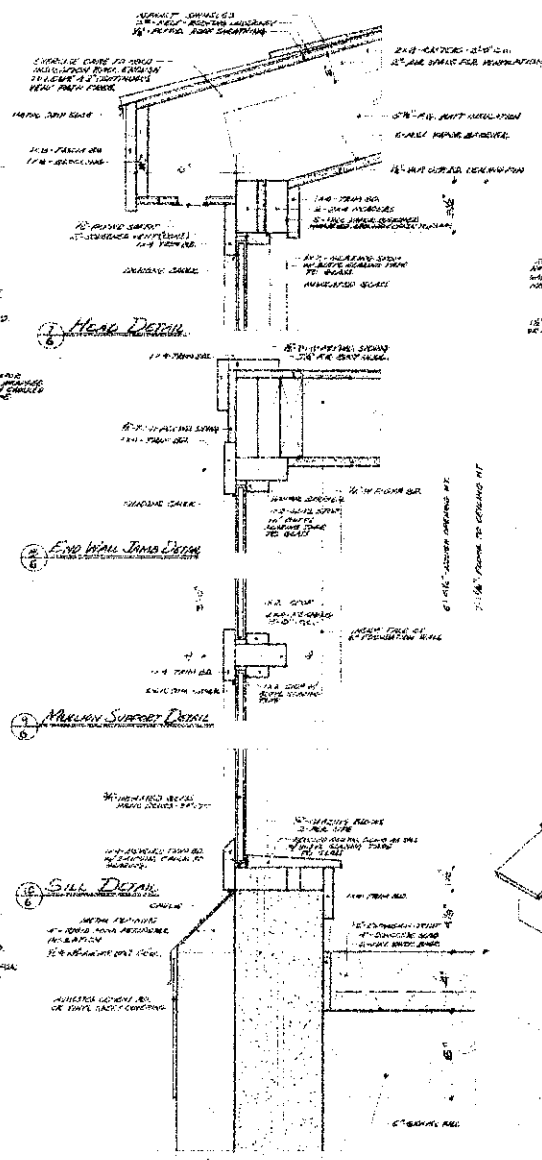
**GENERAL NOTE**  
 PROVIDE GORE PLUMBER TAKE  
 GAP BETWEEN ALL WINDOWS  
 AND THE FINISHED SURFACE  
 FINISHING IN GAPPED JOINT  
 INSULATION STOPPING FRAME



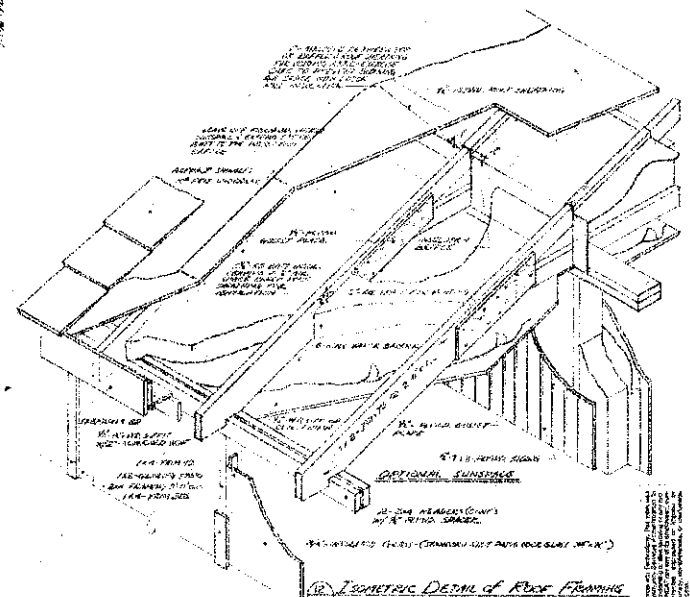
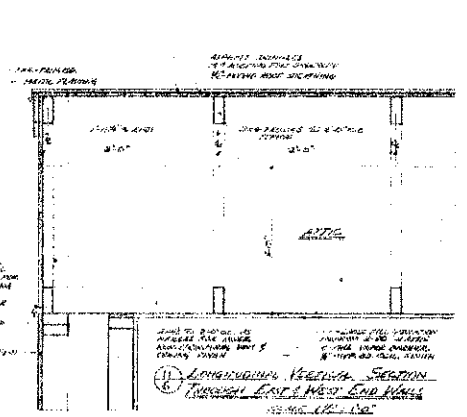
WINDOW DETAILS FOR SIDE WALL

WINDOW DETAILS FOR DOUBLE ROW WALL

**WINDOW & GLAZING DETAILS**  
SCALE 3/4" = 1'-0"



OPTIONAL SUNSCREEN GLAZING DETAIL

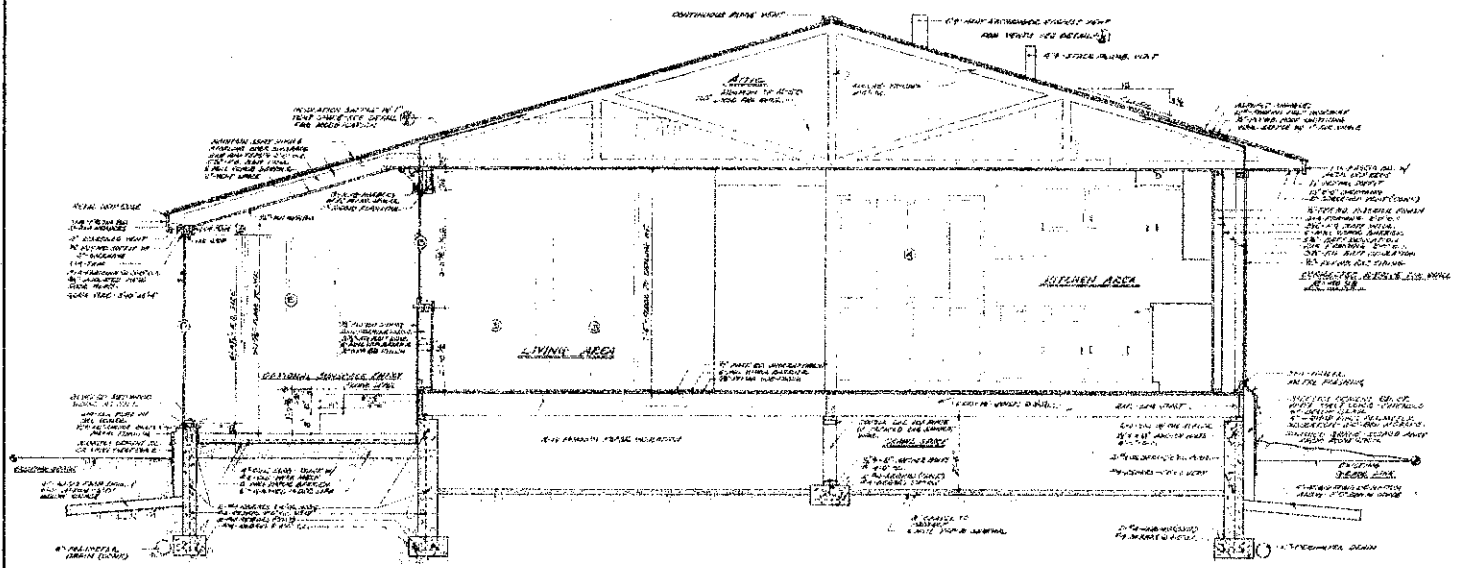


NOTES: 1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 2. ALL MATERIALS ARE TO BE OF THE BEST QUALITY AVAILABLE. 3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP ALL DEBRIS AND WASTE MATERIALS. 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE COVERAGE. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REFERENCES.

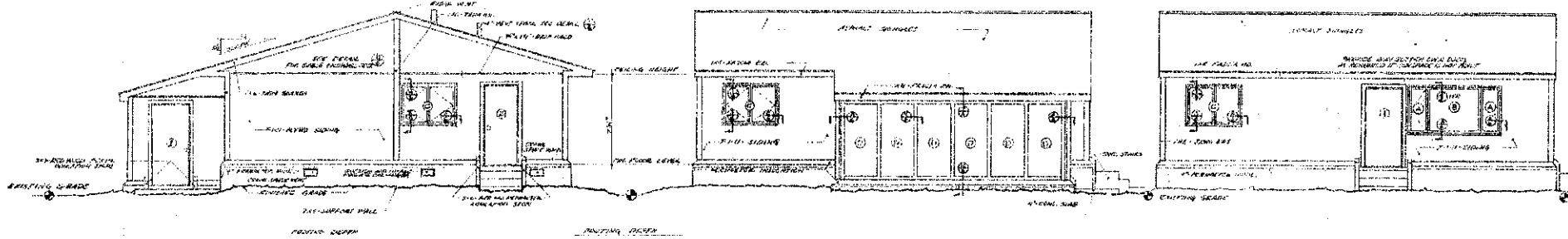
BUILDING TECHNOLOGY CENTER OF INDIANA  
 BUSINESS DEVELOPMENT DIVISION  
 DRAWING: C-01-000000  
 DATE: MARCH 21, 1987  
 CHECKED: R.K.

WINDOW & GLAZING  
 DETAILS

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 P.O. Box 3000, Fairbairn, MN 56501



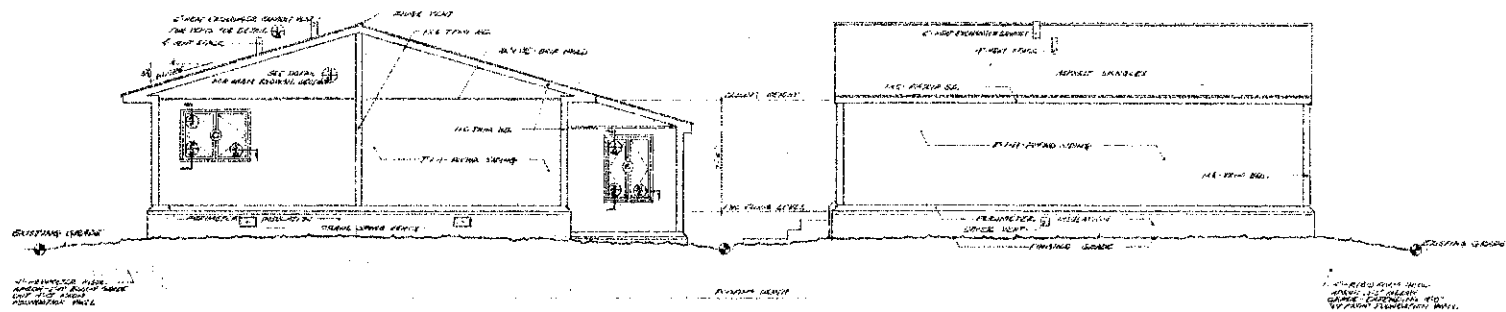
DETAIL TRANSVERSE SECTION SCALE 1/4"=1'-0"



EAST ELEVATION

SOUTH ELEVATION

SOUTH ELEVATION - WITHOUT SUNSHADE



WEST ELEVATION

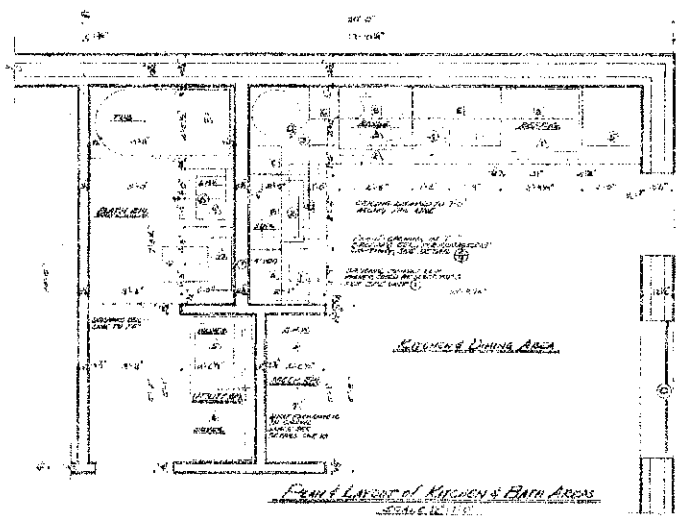
ELEVATIONS - SCALE 1/4"=1'-0"

NORTH ELEVATION

SECTION & ELEVATIONS

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Appropriate Technology  
PO Box 3300 Durango, CO 81302

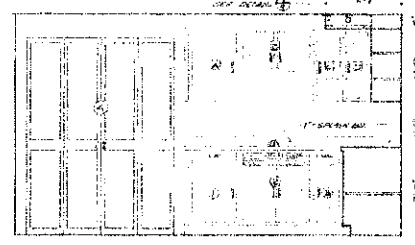
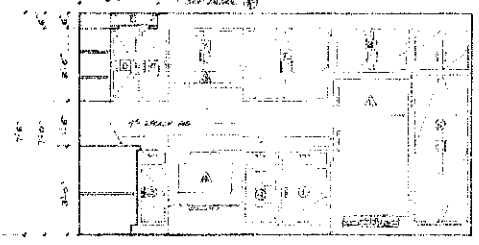
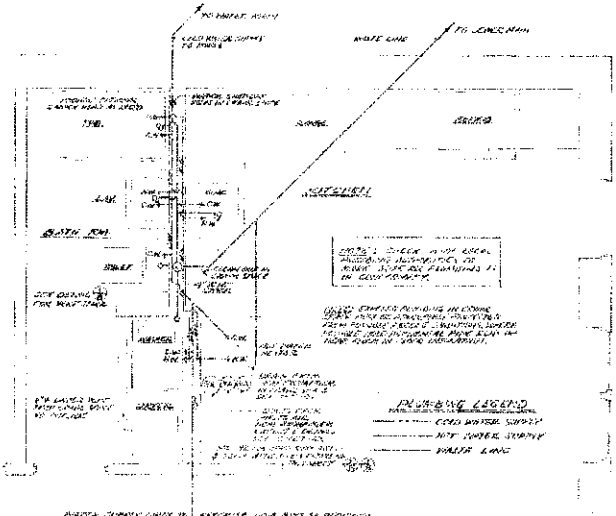
RESEARCH AND DEVELOPMENT DIVISION  
APPROVED: [Signature]  
DATE: [Date]  
DRAWN BY: [Name]  
CHECKED: [Name]



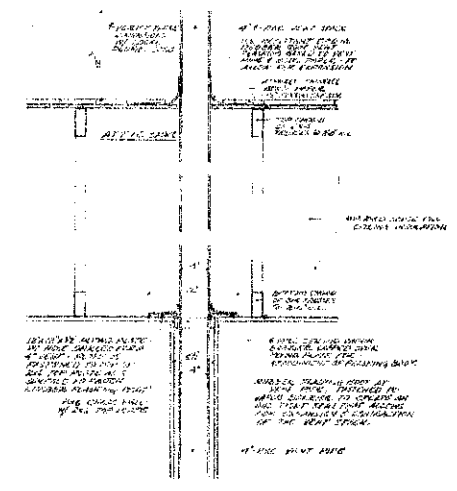
KITCHEN & BATHING BASE UNITS		
NO.	DESCRIPTION	DIMENSIONS
1	30" WOOD CAB. CAB.	30" W x 36" D
2	30" WOOD CAB. CAB.	30" W x 36" D
3	30" WOOD CAB. CAB.	30" W x 36" D
4	30" WOOD CAB. CAB.	30" W x 36" D
5	30" WOOD CAB. CAB.	30" W x 36" D
6	30" WOOD CAB. CAB.	30" W x 36" D
7	30" WOOD CAB. CAB.	30" W x 36" D
8	30" WOOD CAB. CAB.	30" W x 36" D
9	30" WOOD CAB. CAB.	30" W x 36" D
10	30" WOOD CAB. CAB.	30" W x 36" D

KITCHEN WALL CABINETS		
NO.	DESCRIPTION	DIMENSIONS
1	30" WOOD CAB. CAB.	30" W x 36" D
2	30" WOOD CAB. CAB.	30" W x 36" D
3	30" WOOD CAB. CAB.	30" W x 36" D
4	30" WOOD CAB. CAB.	30" W x 36" D
5	30" WOOD CAB. CAB.	30" W x 36" D
6	30" WOOD CAB. CAB.	30" W x 36" D
7	30" WOOD CAB. CAB.	30" W x 36" D
8	30" WOOD CAB. CAB.	30" W x 36" D
9	30" WOOD CAB. CAB.	30" W x 36" D
10	30" WOOD CAB. CAB.	30" W x 36" D

KITCHEN BATHING APPLIANCES & PLUMBING FIX.		
NO.	DESCRIPTION	DIMENSIONS
1	REFRIGERATOR	30" W x 24" D
2	STOVE	30" W x 24" D
3	SINK	30" W x 18" D
4	WATER HEATER	30" W x 24" D
5	WATER HEATER	30" W x 24" D
6	WATER HEATER	30" W x 24" D
7	WATER HEATER	30" W x 24" D
8	WATER HEATER	30" W x 24" D
9	WATER HEATER	30" W x 24" D
10	WATER HEATER	30" W x 24" D

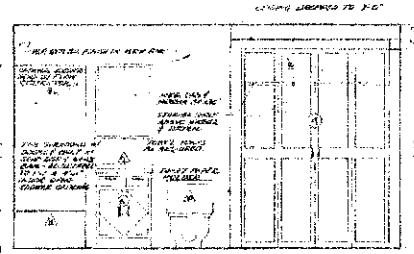


**KITCHEN ELEVATIONS - SCALE 1/8" = 1'-0"**



**1/8" = 1'-0" ATTIC ACCESS**  
SCALE: 1/8" = 1'-0"

**1/8" = 1'-0" CRAWL SPACE ACCESS**  
SCALE: 1/8" = 1'-0"



**Bedroom East Elevation**  
SCALE: 1/8" = 1'-0"

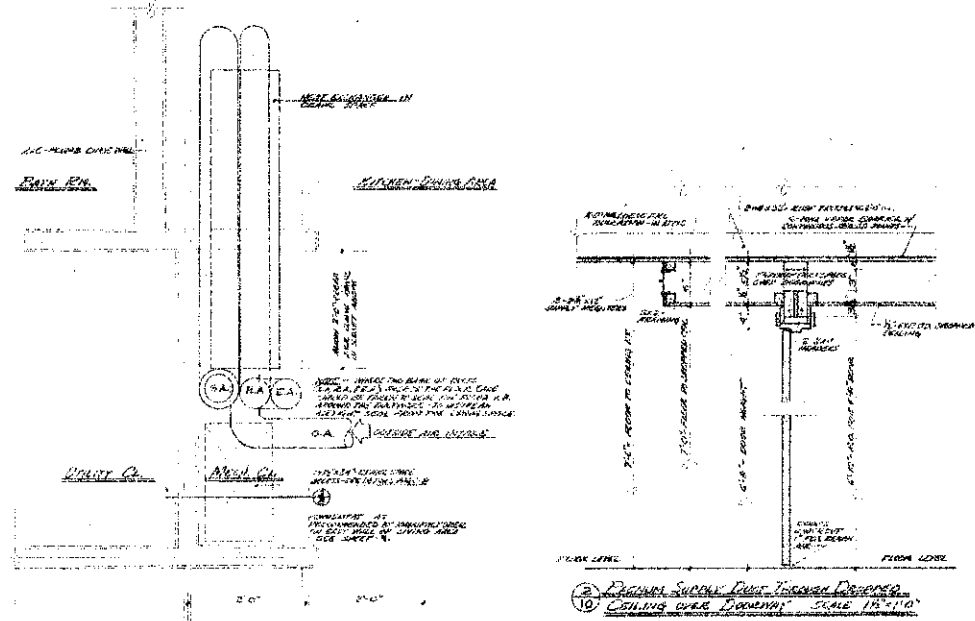
BUILDING TECHNOLOGY CENTER  
REWARD COUNTY, MONTANA  
DATE: 10/15/10  
DRAWN BY: [Name]  
CHECKED BY: [Name]

**KITCHEN/BATH PLANS & PLUMBING LAYOUT**

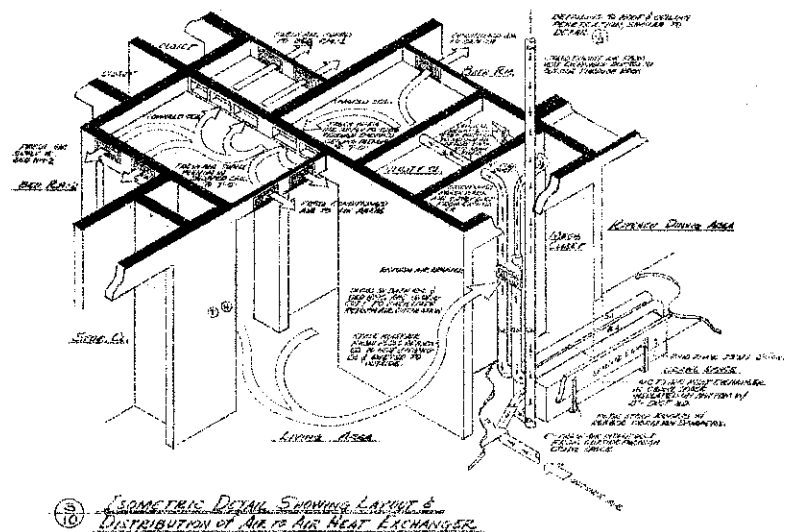
**NCAT** the National Center for Appropriate Technology  
PO Box 1000, Fort Collins, CO 80501







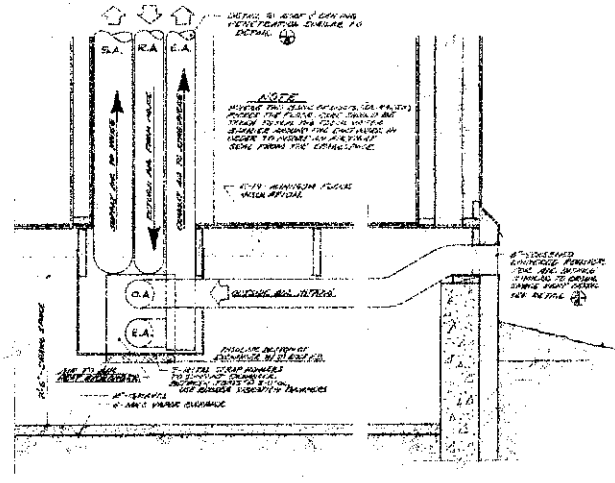
1 PLAN LAYOUT OF HEAT EXCHANGER IN CRAWL SPACE  
SCALE 1/2\"/>



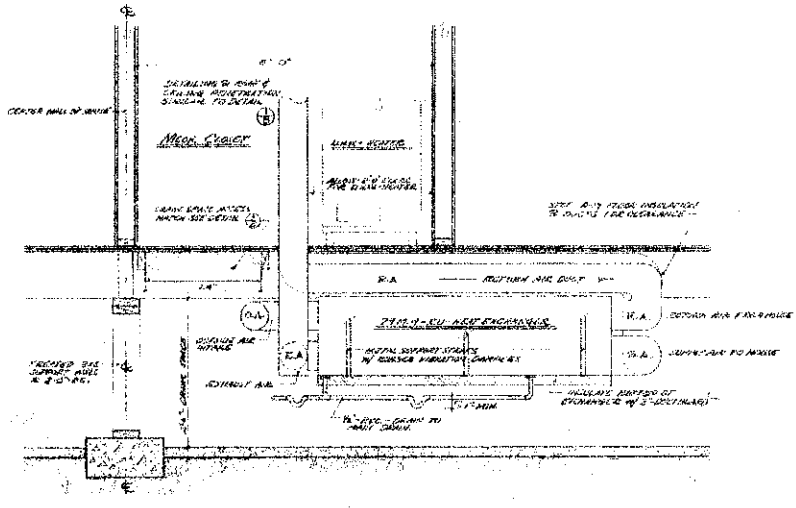
2 ISOMETRIC DETAIL SHOWING LAYOUT & DISTRIBUTION OF AIR TO AIR HEAT EXCHANGER  
SCALE 1/2\"/>

3 DRAWING SUPPLY DUCT THROUGH DOORWAY  
SCALE 1/2\"/>

HEAT EXCHANGER DUCTWORK SCHEDULE			
NO.	DESCRIPTION	DUCT SIZE - INCH	REQ. QTY.
O.A.	OUTSIDE AIR	12\"/>	
R.A.	RETURN AIR TO SPACE	8\"/>	
R.A.	RETURN AIR FROM SPACE	8\"/>	
E.A.	EXHAUST AIR TO EXHAUSTER	8\"/>	
E.A.	EXHAUST AIR TO HEAT EXCHANGER	8\"/>	



4 HEAT EXCHANGER IN CRAWL SPACE (LOOKING NORTH)  
SCALE 1/2\"/>



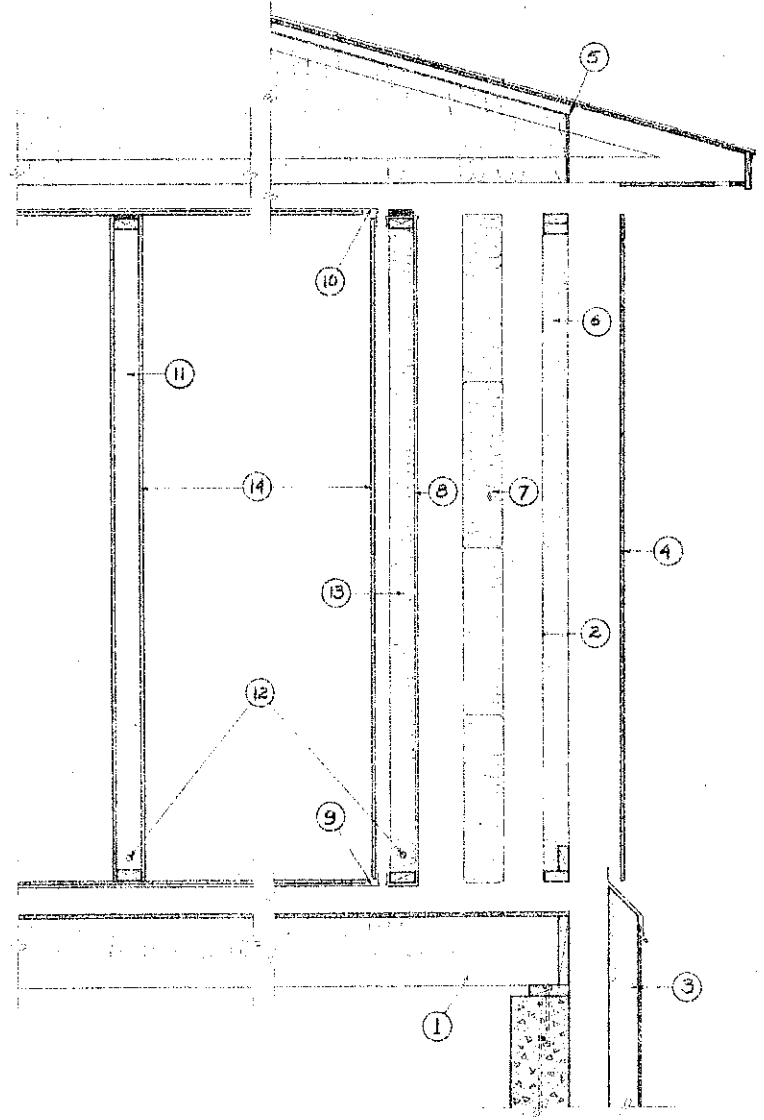
5 HEAT EXCHANGER IN CRAWL SPACE (LOOKING WEST)  
SCALE 1/2\"/>

REVISIONS FOR RECORD SET BY ARCHITECT  
 REVISIONS FOR RECORD SET BY ENGINEER  
 REVISIONS FOR RECORD SET BY MECHANICAL CONTRACTOR  
 DATE: 11/15/11  
 DRAWN BY: J. J. JONES  
 CHECKED BY: J. J. JONES  
 APPROVED BY: J. J. JONES

HEAT EXCHANGER  
 LAYOUT & DETAILS

Ncat  
 The National Center for  
 Appropriate Technology  
 P.O. Box 3030, Due West, NC 28629

DOUBLE WALL CONSTRUCTION SEQUENCE



- ① INSTALL CONCRETE FOOTINGS & FOUNDATION FLOOR JOISTS, & FINISHED SUBFLOOR AS SHOWN ON PLANS
- ② ERECT OUTER (STRUCTURAL) STUD WALL, INCLUDING BLOCKING FOR ATTACHMENT OF FLASHING.
- ③ INSTALL PERIMETER INSULATION, ITS COVERING, & FLASHING.
- ④ INSTALL DIAGONAL BRACING TO ALL EXTERIOR CORNERS & SHEATH EXTERIOR OF WALL.
- ⑤ ERECT ROOF TRUSSES INCLUDING INSULATION BATTLES, SHEATHING, FLASHING, SUFFITS, & VENTS.
- ⑥ INSULATE OUTER WALL STUD CAVITIES W/ 3/8" FIBERGLASS BATT, INTERFACED, PROTECTIVE FIT.
- ⑦ INSTALL 5/8" UNFACED FIBERGLASS BATT AGAINST INNER FACE OF OUTER WALL. THESE CAN BE PLACED HORIZONTALLY RIGHT FROM THE WALL, STAPLED IN HORIZONTAL LAYERS, & NEEDED IN PLACE TEMPORARILY W/ STRING TIGHTLY STRUNG IN A 20'-0" GRID THROUGH BETWEEN FLOOR & CEILING TRUSSES.
- ⑧ ERECT INNER (NON-STRUCTURAL) STUD WALL, BY BOWING THESE 1/2" SPACING THEY CAN BE END BUT & BUILT FLAT ON THE SUBFLOOR. THEY START UP & EXCEED, BEYOND THAT A WOOD INSULATED VAPOR BARRIER PROVIDE GOOD WALL & SUPPORT TO ROOM SIDE OF PLATES AS SHOWN. USE 20' PLAYS TO BOTTOM OF TRUSS OR TO 2'X4 JOISTING BETWEEN TRUSSES. NOTE: BECAUSE THIS WALL DESIGN HAS NO VAPOR INSULATION ONE CAN NOT THE VAPOR BARRIER 3/8" INS. THE WALL FROM THE ROOM SIDE & WALL HAVE 20' IN THE TOTAL 2" WALL CUSHION THE VAPOR BARRIER. THIS DESIGN PREVENTS THE DOWN-DRAW FROM EVER OCCURRING INSIDE THE VAPOR BARRIER, THIS PREVENTING MOISTURE PENETRATION IN THE WALL. PREVENTING THE VAPOR BARRIER ON THE BACKSIDE OF THE INNER WALL STUD MAKING ELECTRICAL INSTALLATION TO BE MADE WITHOUT PENETRATING THE VAPOR BARRIER. AN ALTERNATIVE INTERIOR WALL TO THIS TECHNIQUE WOULD BE TO PLACE THE INSULATION IN THE SPACE BETWEEN THE TWO STUD WALLS, TO THIS ONE VAPOR BARRIER IN ITS CONVENTIONAL LOCATION ON THE ROOM SIDE OF THE INNER WALL, & THEN SCHEDULE GREEN GLASS IN SEALING (W/ NON-MORPHING CAULK OR MASTIC), EVERY POINT AT WHICH WIRING OR ELECTRICAL BOXES PENETRE THE VAPOR BARRIER.
- ⑨ INSTALL CONTINUOUS VAPOR BARRIER OVER THE ENTIRE WALLS, FLASHING OVER ALL JOINTS AND TRIMS AND SEALS. LEAVE 1/8" GAP AT PERIMETER WHICH CAN BE CLOSED UP W/ 3/8" AND SEALED TO THE WALL VAPOR BARRIER AT THE PLATE OF THE INNER STUD WALL. INSTALL FLOOR UNDERLAPPING AT OVER VAPOR BARRIER.
- ⑩ INSTALL CONTINUOUS VAPOR BARRIER OVER ENTIRE CEILING ON UNDER SIDE OF TRUSSES, FLASHING OVER AT SEAL ALL TRIMS AND SEALS. LEAVE 1/8" GAP AT PERIMETER WHICH CAN BE CLOSED UP W/ 3/8" AND SEALED TO THE WALL VAPOR BARRIER AT THE TOP PLATE OF THE INNER STUD WALL. INTERIOR CEILING MAY BE SHEATHED AT THIS POINT.
- ⑪ ERECT ALL INTERIOR PARTITION WALLS. THESE CAN ALSO BE BUILT FLAT AND BOLTED UP IF THEY ARE MADE W/ 2X4'S AND SHIMMED UP TO 1/4" AND FOR PLAYS TO BOTTOM OF TRUSS OR TO 2'X4 JOISTING BETWEEN TRUSSES.
- ⑫ INSTALL ALL FINISHES. IF HAVE PENETRATES VAPOR BARRIER, SEAL AROUND THIS WITH NON-MORPHING CAULK OR MASTIC.
- ⑬ INSULATE INNER WALL STUD CAVITIES WITH 3/8" FIBERGLASS BATT, FINE PRINTED.
- ⑭ INSTALL SINTEROCK ON ALL INTERIOR WALLS, FANS AND POINTS.

WALL SECTION INDICATING DOUBLE WALL CONSTRUCTION SEQUENCE  
SCALE 1/2" = 1'-0"

BUILDING TECHNOLOGY SECTION RESEARCH AND DEVELOPMENT DIVISION	
DRAWN BY: G. W. HARRIS	DATE: APRIL 21, 1971
CHECKED BY: R. C.	REVISIONS: 1/1

DOUBLE WALL  
CONSTRUCTION SEQUENCE

NOTES: THIS WALL SECTION IS A GENERAL REPRESENTATION OF THE CONSTRUCTION SEQUENCE. THE EXACT DETAILS OF THE WALL AND ROOF CONSTRUCTION SHOULD BE DETERMINED FROM THE ARCHITECTURAL PLANS AND SPECIFICATIONS. THE WALL AND ROOF CONSTRUCTION SHOULD BE BUILT IN ACCORDANCE WITH THE NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY (NCAT) STANDARDS AND PRACTICES.