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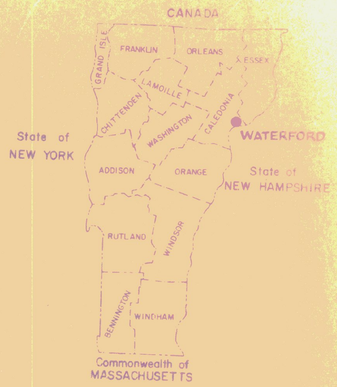
STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT

WELCOME CENTER
WATERFORD, VERMONT



CONVENTIONAL SIGNS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

DATUM
VERTICAL
HORIZONTAL

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.

Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on October 27, 1976 for use on this project, including all subsequent revisions and such revised specifications and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
DIRECTOR OF ENGINEERING AND CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO IR 03-1(5)

SHEET 1 OF 21 SHEETS

DRAWING 44-131 40382-1

T-185

GENERAL NOTES

1. FOR EXTENT OF LANDSCAPE PLANTING BEYOND CONTRACT ACCESS AREA LIMITS AND EXTENT OF PLANTING, SIDEWALKS, SITE DEVELOPMENT, SEE SITE LANDSURFACE DRAWING SL-1. ALL SITE SURFACE DEVELOPMENT, EXCEPT AS REQUIRED BY SITE LANDSURFACE DRAWING SL-1 SHALL BE DONE BY OTHERS.
2. CONTRACTOR SHALL COORDINATE WORK OF THIS CONTRACT WITH WORK OF OTHER CONTRACTS AT THE SITE.

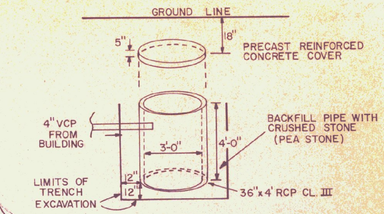
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

SITE PLAN

IR 93-1(5)

DATE:	SCALE	REVISIONS:	DWG. NO.
APRIL 16, 1982	1" = 50'		S-1
DRAWN BY:	APPROVED BY:		2 OF 21



DETAILS OF CONCRETE PIPE DRY WELL

CAR PARKING (CP)

TRUCK PARKING (TKP)

I93 - Northbound Lane

40-Pink Tatarian Honeysuckle (3'-4')
2-Red Pine (5'-6')
Picnic Table/Pad
1-Red Pine (5'-6')
4-Green Ash (2"-2½" cal.)
2-Amur Corktree (2"-2½" cal.)
Picnic Table/Pad
40-American Cranberry Bush (2'-3')
Picnic Table/Pad
WELL
9-Scotch Pine (5'-6')
Travel Information Plaza/Pad
White Cedar (5'-6')
10 Bush Cinquefoil (18"-24")
Pink Tatarian Honeysuckle (3'-4')
12-Bush Cinquefoil (15"-24")
5-Late Lilac-3 (2'-3')
8-Bush Cinquefoil (18"-24")
White Cedar (5'-6')
Dry Well
Flagpole
Flagpole
9-Scotch Pine (5'-6')
2-Green Ash (2"-2½" cal.)
Picnic Table/Pad
2-Sugar Maple (2½"-3" cal.)
Picnic Table/Pad
Picnic Table/Pad
2-Green Ash (2"-2½" cal.)
40-American Cranberry Bush (2'-3')
2-Red Pine (5'-6') - 1
40-Pink Tatarian Honeysuckle (3'-4')

Picnic Table w/8'x8' Concrete Pad

TKP Sta.	6+14 -	RT. -1
	6+45 -	RT. -1
	9+08 -	RT. -1
	9+91 -	RT. -1
CP Sta.	7+00 -	LT. -1
	9+93 -	LT. -1

Aluminum Flagpole (660.10)

TKP Sta.	7+29 -	RT. -1
	7+59 -	RT. -1

Travel Information Plaza w/12' 14' Concrete Pad

CP Sta. 8+38 LT. -1

Concrete Sidewalk 5" (618.10)

TKP Sta.	7+26 - 7+62	RT. -36
CP Sta.	8+27 - 8+32	LT. -28

Red Pine (5'-6') (B&B)

CP Sta.	5+78 -	LT. -1
	7+73 - 7+79	LT. -2
	10+24 - 10+28	LT. -2
	11+30 -	LT. -1

Scotch Pine (5'-6') (B&B)

TKP Sta.	8+06 - 8+40	RT. -9
CP Sta.	9+03 - 9+33	LT. -9

White Cedar (5'-6') (B&B)

TKP Sta.	7+02 -	RT. -1
	7+28 -	RT. -1
	7+52 -	RT. -1
	7+93 -	RT. -1
CP Sta.	7+86 -	LT. -1
	8+11 -	LT. -1
	8+35 -	LT. -1
	8+71 - 8+77	LT. -4

Pink Tatarian Honeysuckle (3'-4') (B&B)

TKP Sta.	4+94 - 5+25	RT. -40
	7+12 - 7+21	RT. - 5
CP Sta.	7+94 - 8+02	LT. - 5
	10+29 - 11+28	LT. -40

American Cranberry Bush (2'-3') (B&B)

TKP Sta.	9+88 - 10+20	RT. -40
CP Sta.	5+80 - 6+72	LT. -40

Late Lilac (2'-3') (B&B)

TKP Sta.	7+67 - 7+73	RT. -3
	7+77 - 7+90	RT. -5

Bush Cinquefoil (18"-24") (B&B)

TKP Sta.	7+01 -	RT. -12
	7+30 - 7+39	RT. - 5
	7+49 - 7+66	RT. - 8
CP Sta.	8+13 - 8+24	LT. - 5
	8+32 - 8+56	LT. -10

Sugar Maple (2½"-3" cal.) (B&B)

TKP Sta. 6+30 - 6+35 RT. - 2

Green Ash (2"-2½" cal.) (B&B)

TKP Sta.	6+52 - 6+77	RT. -2
	8+96 - 9+28	RT. -4
CP Sta.	7+51 - 7+76	LT. -2

Amur Corktree (2"-2½" cal.) (B&B)

TKP Sta. 9+51 - RT. -2

DATUM
VERTICAL
HORIZONTAL

DWG. NO. S.L. 1

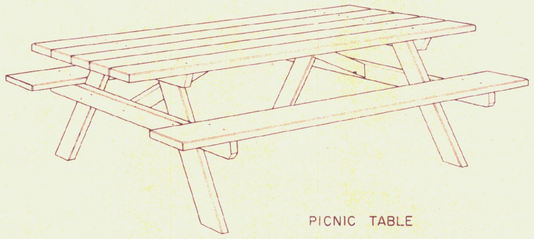
Landscape Plan

SURVEYED BY ____ DATE ____
DRAWN BY RCW DATE 4-8-82
TRACED BY ____ DATE ____

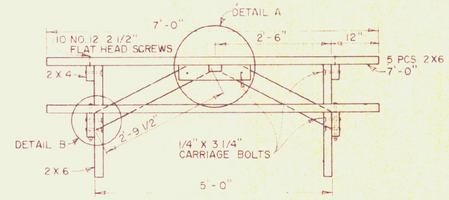
Waterford Welcome Center
PROJ. IR NO. 93-1(5)
SHEET 3 OF 21

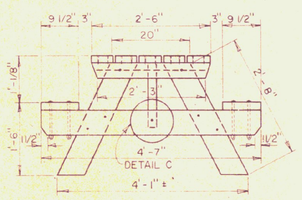
MATERIAL S4S, 6 EASED EDGES			HARDWARE GALVANIZED
2 PCS	2X10	7'-0"	8 1/4"X8" CARRIAGE BOLTS
5 PCS	2X6	7'-0"	2 1/4 X 4 1/2" " "
2 PCS	2X6	4'-7"	4 1/4 X 3 1/4" " "
4 PCS	2X6	2'-10 3/4"	2 NO14 X 3" WOOD SCREWS
2 PCS	2X4	2'-9 1/2"	28 NO12 2 1/2" " "
2 PCS	2X4	2'-6"	28 1/4 STD. WASHERS
1 PC	2X4	2'-3"	
1 PC	2X4	1'-6"	

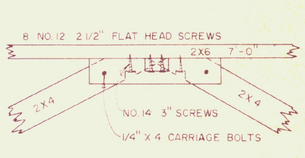
SIZES INDICATED TO BE NOMINAL



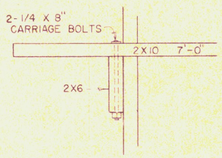
PICNIC TABLE



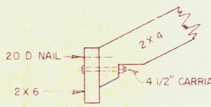




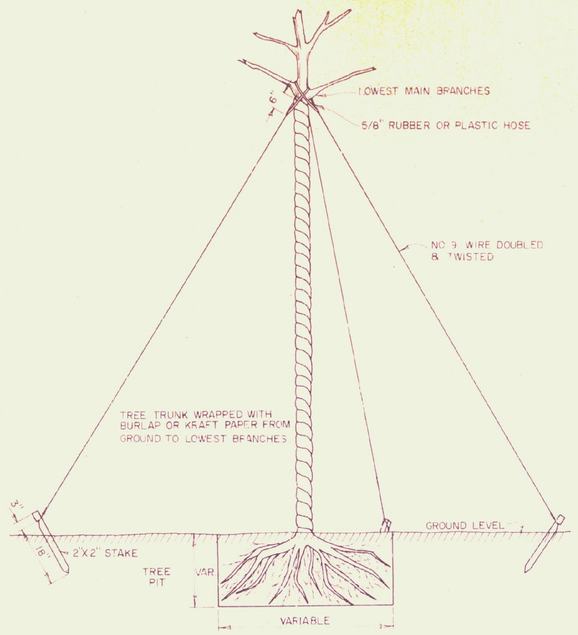
DETAIL A



DETAIL B

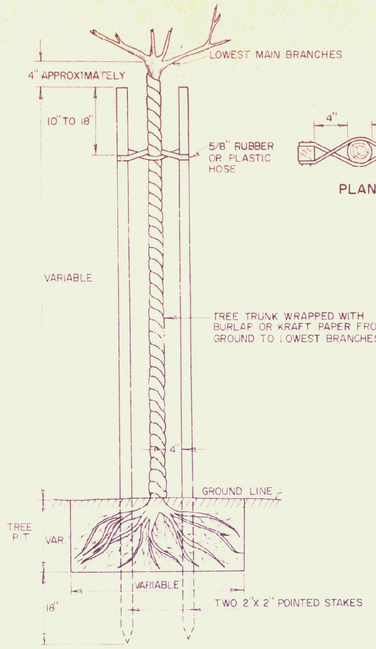


DETAIL C



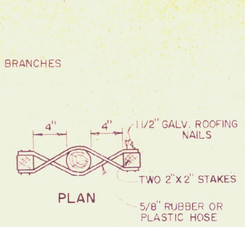
BRACING
TRIPOD METHOD

TREES OVER TWO AND ONE HALF (2 1/2") INCHES IN CALIPER MEASUREMENT SHALL BE SECURED BY GUY WIRES AND STAKES.

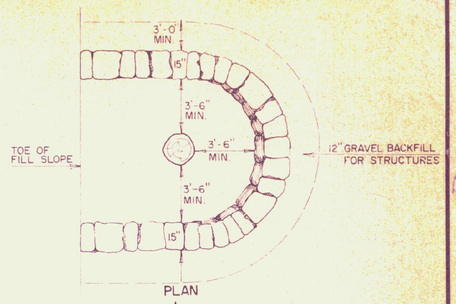


BRACING
DOUBLE VERTICAL STAKES METHOD

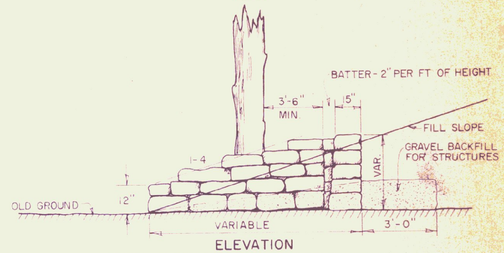
TREES ONE AND ONE HALF (1 1/2") TO TWO AND ONE HALF (2 1/2") INCHES IN CALIPER MEASUREMENT SHALL BE SECURED WITH DOUBLE VERTICAL STAKES.



PLAN

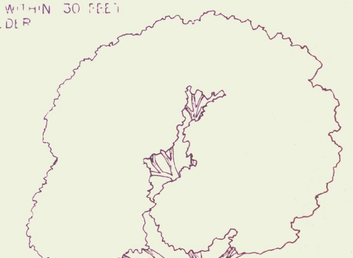


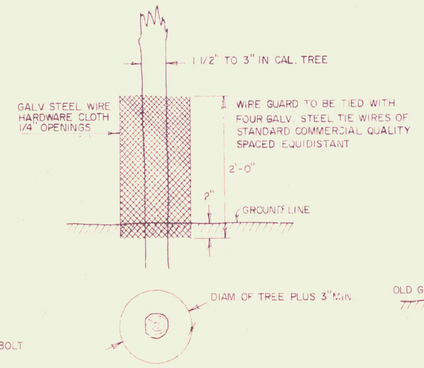
PLAN



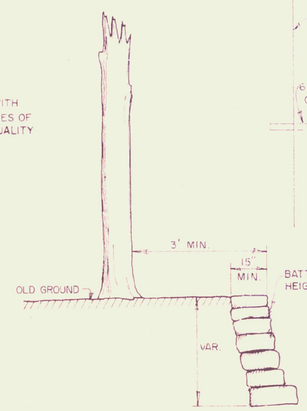
ELEVATION
U-TYPE TREE WELL, DRY RUBBLE MASONRY

TREE WELLS ARE NOT TO BE CONSTRUCTED WITHIN 30 FEET OF THE SHOULDER

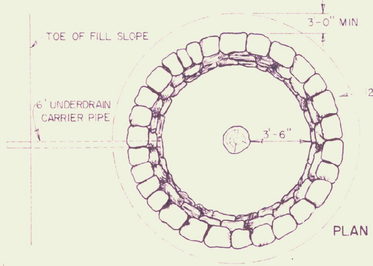




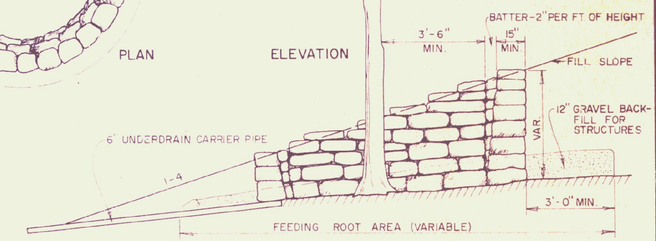
WIRE RODENT GUARD



DRY RUBBLE MASONRY FOR TREE PROTECTION IN CUT



PLAN



ELEVATION

CIRCULAR TREE WELL IN HEAVY FILL, DRY RUBBLE MASONRY

REVISIONS AND CORRECTIONS
DEC 19 1972 NOTE ADDED ON LOCATION OF TREE WELLS

APPROVED
Dec 20, 1971
DATE

R.J. Arnold
CHIEF ENGINEER

E.I.S. Hackeney
ASST. CHIEF ENGINEER

G.M. Lane
HIGHWAY ENGINEER

DRY RUBBLE MASONRY TREE WELLS
BRACING OF TREES
PICNIC TABLES
WIRE RODENT GUARD

VERMONT DEPARTMENT OF HIGHWAYS STANDARD

J-5

D-8

F.O.F. REFERENCE PT.

FLEXIBLE HOOK, #23, ZERO CORP.
SADDLE, #24, 5" WIDTH, ZERO CORP.

COVER PLATE (HALF) ALUMINUM

URETHANE SEALANT

EXP. JT. MATL.

LEVELING CIRCLE AS REQUIRED

VINYL CUSHION

FRAME

PAN

6"

X

6 x 6 x 10/10 WWF

A/1 VESTIBULE ENTRANCE DETAIL
SCALE: ½" FULL SCALE

SLATE TILE

¼" LEVELING THINSET

CEMENT

B/1 LOBBY ENTRANCE DETAIL
SCALE: ½" FULL SCALE

6 MIL V.B.

SAND BASE

GRAVEL

⅝" REBAR

4'-0"

24'-4"

28'-4"

4'-0"

SLOPED FACE

4'-8"

4"

SLOPED FACE

EXT. EXTERIOR PERIMETER INSUL.

2'-6"

7'-4"

6" SLAB EDGE @ DOOR

FIN. FLOOR ELEV. - 932'-6"

TOP OF SLAB 932'-5½" UNDER CERAMIC TILE

4" CONCRETE SLAB WITH 6 6 x 10/10 MESH

GRID LINE

ELEV. 932'-4"
(1½" DEPRESSION FOR SLATE)

TYPICAL FOOTING PROJECTION

8"

ANCHOR BOLTS
2'-0" MAX. FROM CORNERS
6'-0" O/C TYPICAL MAXIMUM SPACING

GRID LINE

TOW-6"

TOW-8"

4'-5"

4'-0"

4'-0"

FOUNDATION PLAN
SCALE: ¼"=1'-0"

24'-0"

F.O.F.

42'-4"

F.O.F.

1/1 TYPICAL WALL DETAIL
SCALE: 1"=1'-0"

F.O.S.

2/1 (BELOW WINDOW TRIM)

ENTRANCE SLAB EXTENSION SLOPE ½"

5" SIDEWALK BY OTHERS

MOD-22

F.O.F.

COMPACTED BACKFILL OR SUB GRADE

1" INSULATING 2" STYROFOAM-SM

F.O.F.

6" T.&B.

6'-6"

6"

8"

6"

1'-0"

4'-0"
FOUNDATION WALLS AT ENTRANCE SLAB EXTENSION

ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE BITUMINOUS COATED

2" THICKNESS OF BATTING INSUL.

8"

4'-0"

6'-2"

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

24" WIDTH
MOD-L-LL TREATED

CONSTRUCTION JOINT

3-#4 REBARS-TYP.

3/1 ADD WALL ENTRANCE DETAIL
SCALE: 1"=1'-0"

3'-6" (WIDTH) X 5'-3½" (HEIGHT)

ANCHOR BOLTS AS REQUIRED TYPICAL

CONTINUOUS VINYL CUSHION (LEDGE, FRAME AND SUPPORTS)

16 GA. ALUMINUM PAN

ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE BITUMINOUS COATED

4/1 DRY JAMB DETAIL
SCALE: ½" FULL SCALE

⅝" GB-X

T² G. VERTICAL 4", 5", 6" SPACE

FLEXIBLE WASHERS FOR WOOD SIDING

½" ½"

⅜"

TRIMBOARD 5¼" x 4"

BASE TRIM MITERED AT T² G. VERTICAL SIDING

5'-3½"

½"

4½"

3"

CAULK AT JOINT

SILL SEAL FIBERGLASS 4"

VINYL CUSHION

ALUMINUM PAN

MOD-22

6'-4"

5/1 VESTIBULE SIDE DETAIL
SCALE: ½" FULL SCALE

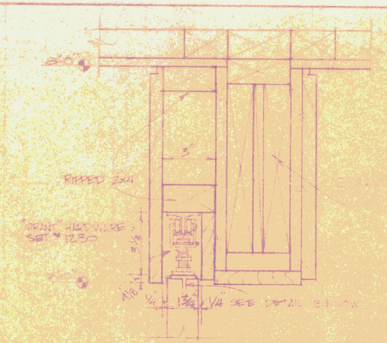
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

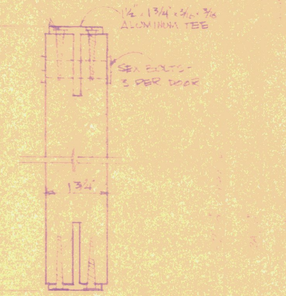
FOUNDATION PLAN

IR 93-1(5)

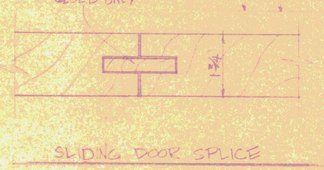
DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	AS NOTED		A-1
DRAWN BY:	APPROVED BY:		5 OF 21



SLIDING DOOR
3'-1'-0"

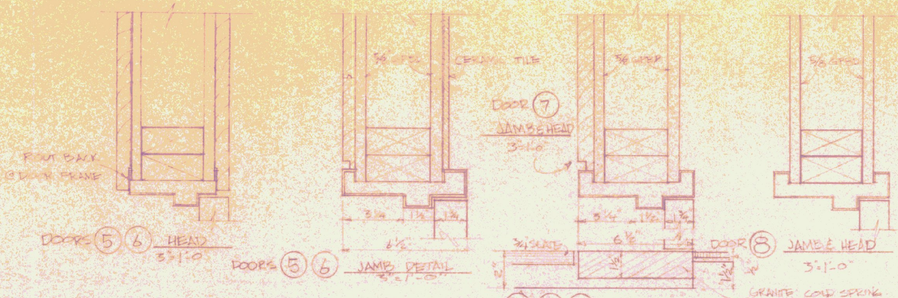


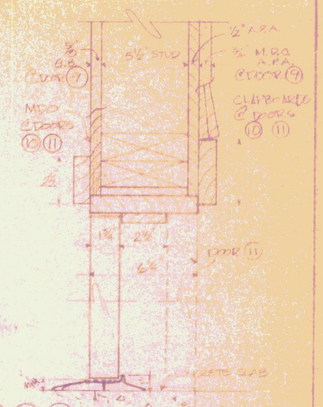
SLIDING DOOR DETAIL
1/2 FULL SCALE

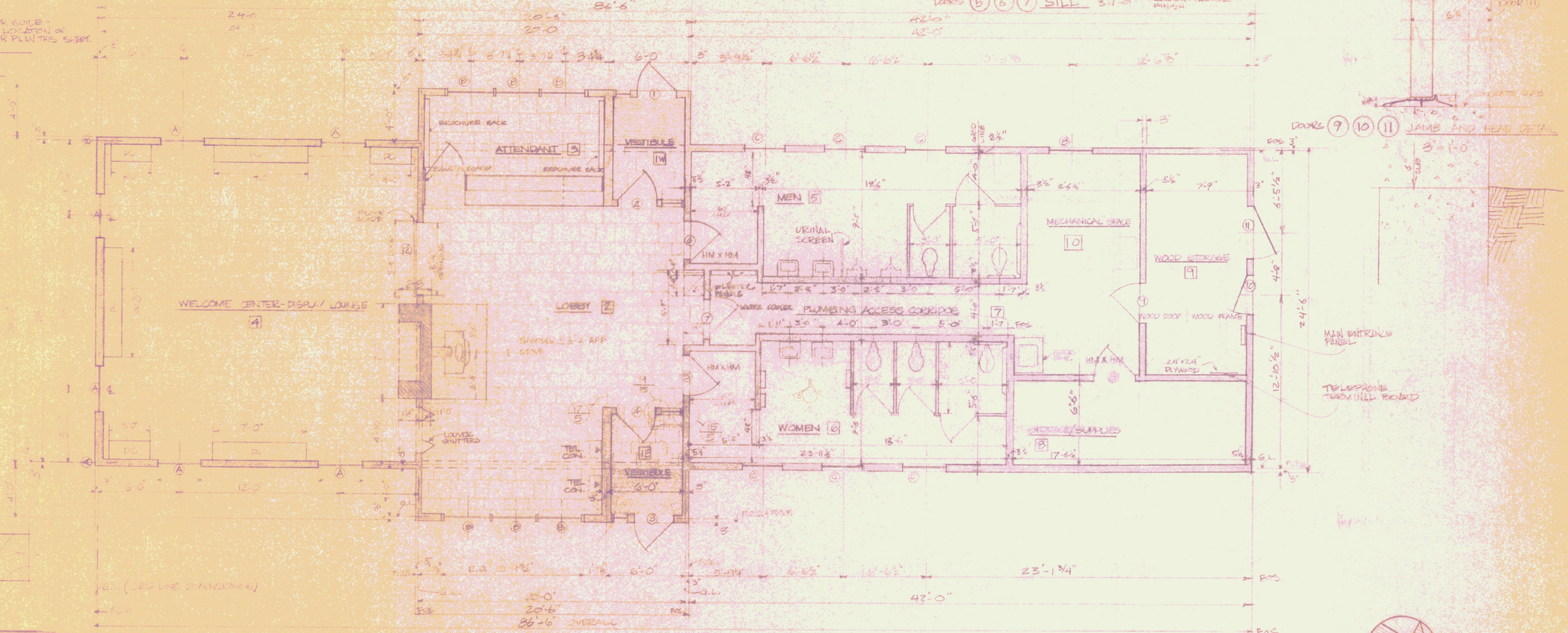


SLIDING DOOR SPLICE
1/2 FULL SCALE

SLIDING DOOR ELEVATION
1/2"-1'-0"







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

NOTES:
F.O.S. = FACE OF STUD
B.O.F. = FACE OF FOUNDATION
G.L. = GRID LINE DIMENSIONING
D.C. = DEPTH CABINET

NORTH

DOOR NAME	#	FLOOR	BASE	WALL	CEILING	HT.	NOTE	FIN. TYPE
VESTIBULE	1E, 1W	SLATE AND GRATING	WD	PAINTED GYP. BD.	G.B.	8'-0"		
LOBBY	2	SLATE	WD	PAINTED GYP. BD.	G.B.	8'-0"		
ATTENDANT	3	SLATE	WD	G.B.	G.B.	8'-0"		
LOUNGE	4	SLATE	WD	G.B.	G.B.	8'-0"		
RESTROOMS	5, 6	TILE	WD	CERAMIC TILE	G.B.	8'-0"		
JANITOR'S CORRIDOR	7		WD	G.B.	G.B.	8'-0"		
STORAGE/ SUPPLIES	8		WD	G.B.	G.B.	8'-0"		
WOOD STORAGE	9	CONCRETE SLAB	WD	MDO	MDO	8'-0"		
MECH.	10	CONCRETE SLAB	WD	G.B.	G.B.	8'-0"		

WINDOW SCHEDULE

WINDOW TYPE #	SIZE	ROUGH OPENING W	ROUGH OPENING H
(A) DH 3'0" x 3'0" WD	3'-0" x 3'-0"	3'-3 3/4" *	3'-7 1/4" *
(B) DH 3'0" x 2'0" WD	4'-0" x 3'-0"	4'-3 3/4" *	3'-7 1/4" *
(C) AWNING 3'0" x 2'0" ALUM.	2'-5" x 3'-0"	2'-6 3/4" *	3'-6 1/2" *

ALL UNITS INSULATING GLAZING PLUS STORM PANEL FOR TRIPLE GLAZING, OR NFR. TRIPLE GLAZED UNITS.
* ROUGH OPENINGS INCREASED BY 1/2" A.P.A.-X BACKING AT JAMB AND HEAD DETAILS.

OPENING TYPE	DOOR AND DOOR FRAME SCHEDULE: DOOR SIZE	DOOR MATERIAL	DOOR STYLE	FRAME MATERIAL	FRAME STYLE	FRAME GAUGE	FRAME DETAIL	HDW. GROUP	HDW. THRESHOLD	REMARKS
1 & 3	1 3/4" x 3'-0" x 7'-0"	HM	G	WD			DWG. A-5	1	✓	HOLLOW METAL DOORS TYPE FE&Z - THERMEX OR E&Z - STEELCRETE, OR ANWELD OR BAUM. GLAZING BY OTHERS
2 & 4	1 3/4" x 3'-0" x 7'-0"	HM	G	WD				1A		
5 & 6	1 3/4" x 3'-0" x 7'-0"	HM	F	HM		16	A-2	2		
7 & 8	1 3/4" x 3'-0" x 7'-0"	HM	F	HM		16	A-2	3		
9 & 10	1 3/4" x 3'-0" x 7'-0"	WD	F	WD			A-2, A-5	4		ONLY DOOR (9) ON A-5
11	1 3/4" x 4'-0" x 7'-0"	WD	F	WD			A-5	5		
12	1 3/4" x 5'-4" x 7'-0"	WD	F	WD			A-2	6		

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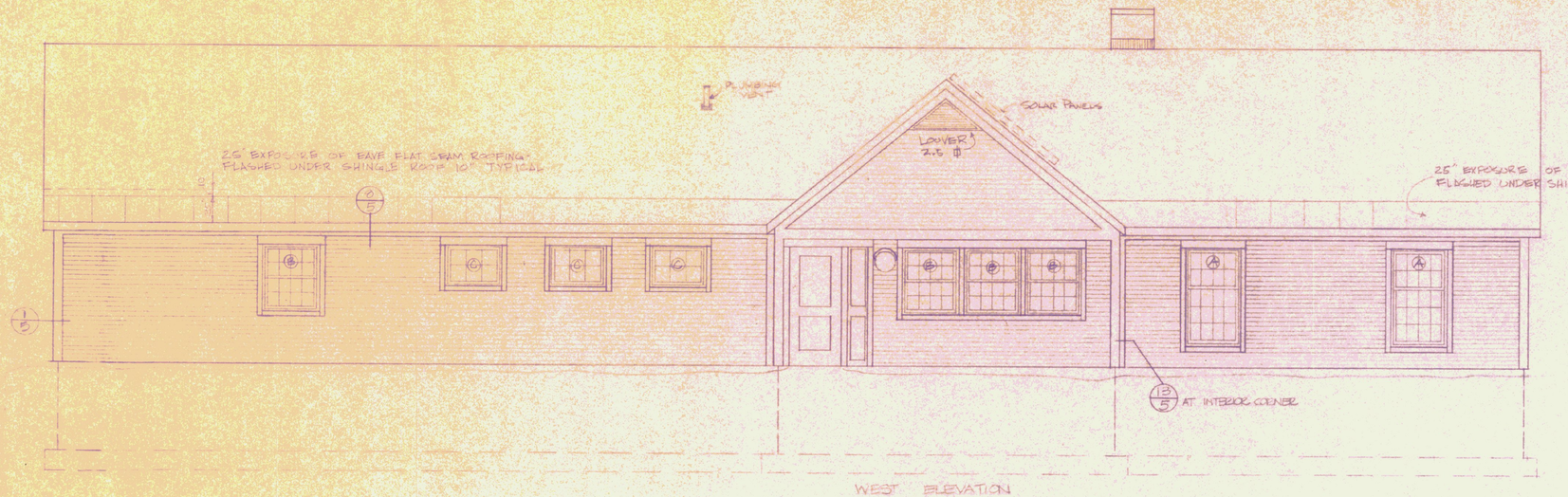
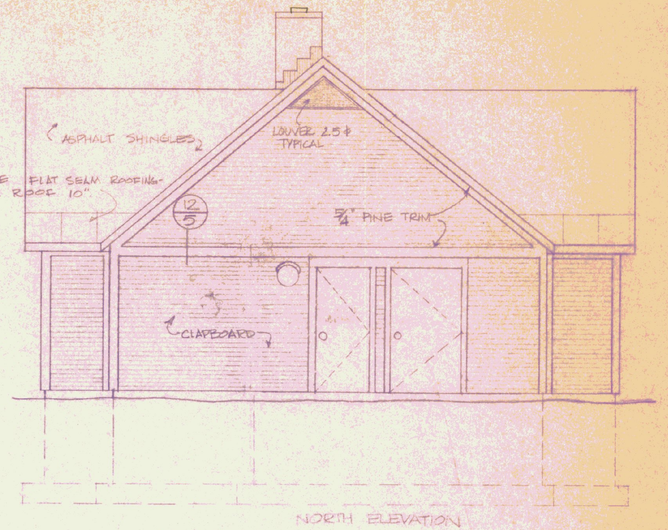
FLOOR PLAN

IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	AS NOTED		A-2
DRAWN BY:	APPROVED BY:		6 OF 21



WEST ELEVATION



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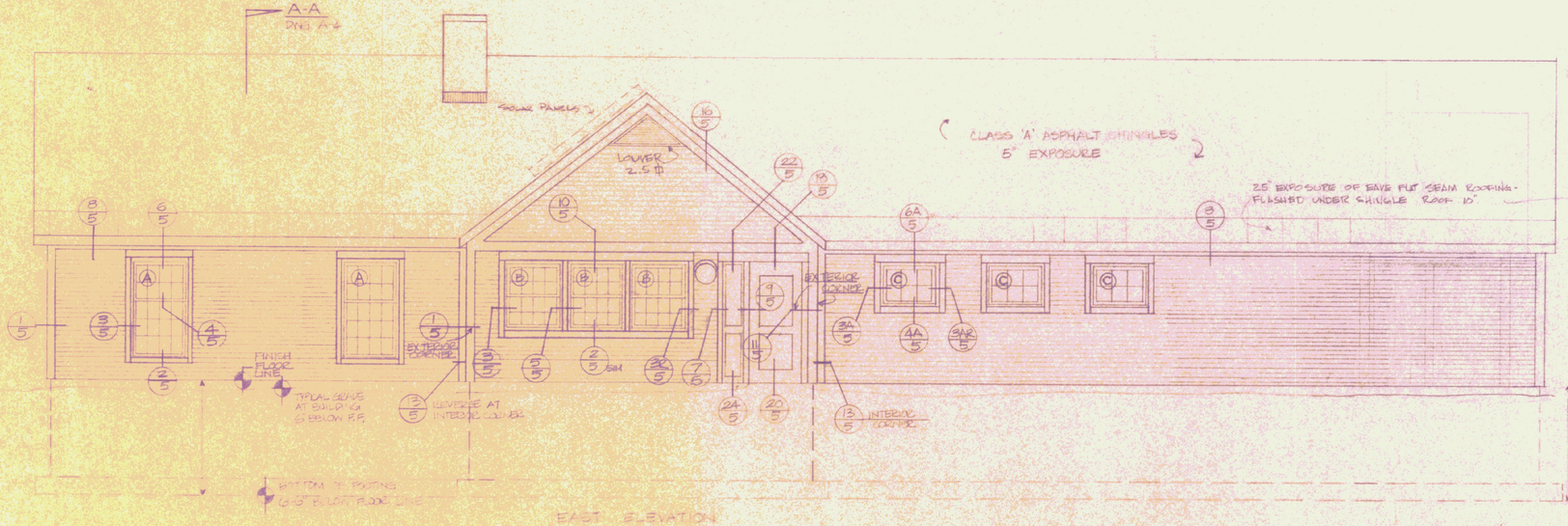
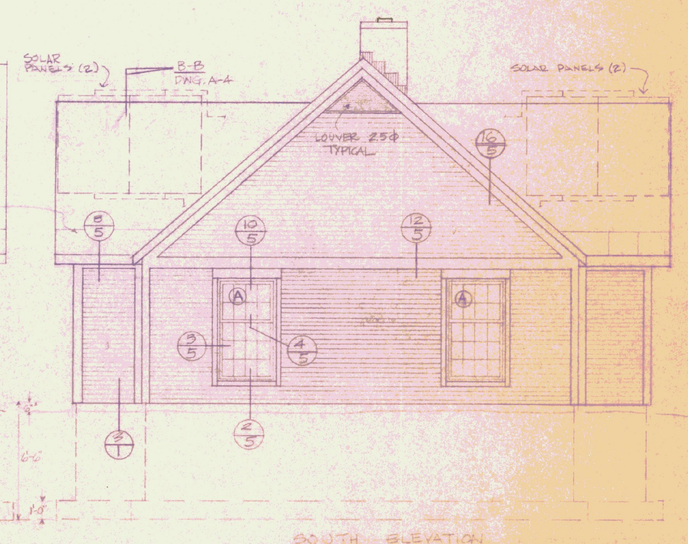


EAST ELEVATION



SOUTH ELEVATION

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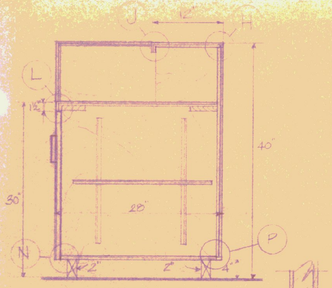
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

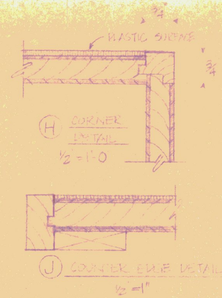
WELCOME CENTER, WATERFORD, VERMONT

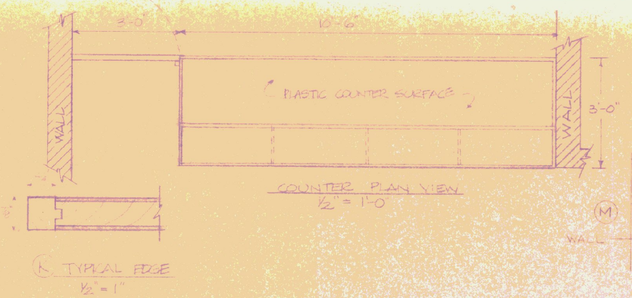
ELEVATIONS

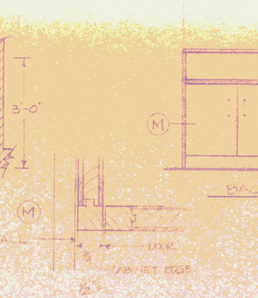
IR 93-1 (5)

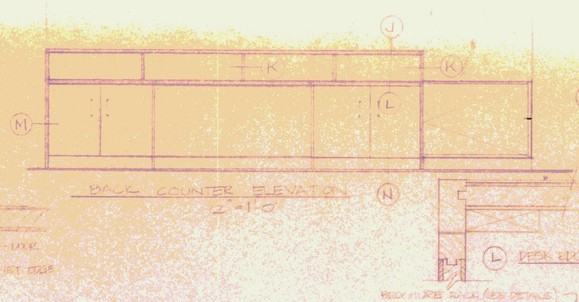
DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	1/4"=1'-0"		A-3
DRAWN BY:	APPROVED BY:		7 OF 21
MF			

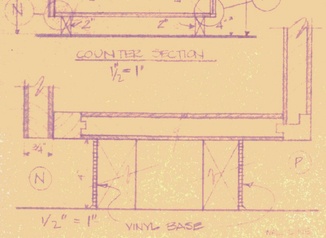


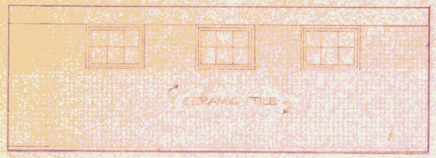


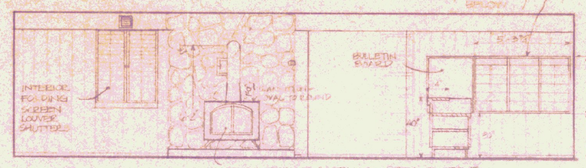


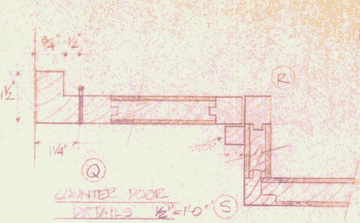


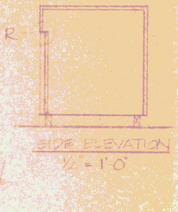


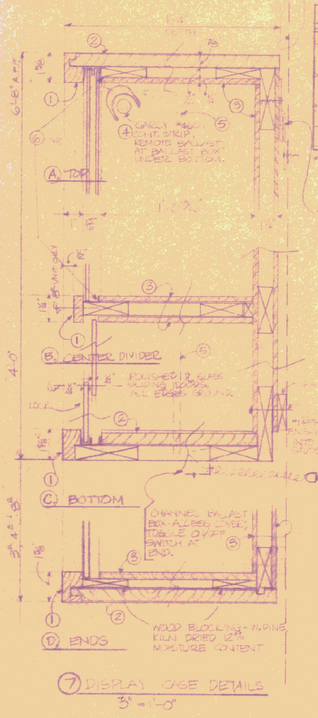


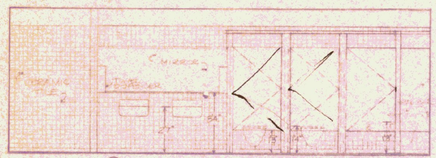


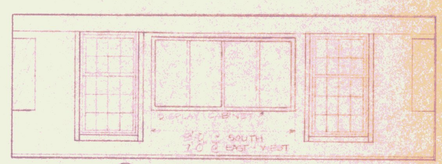


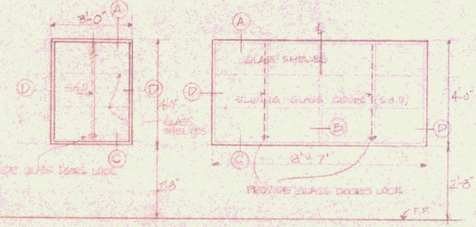


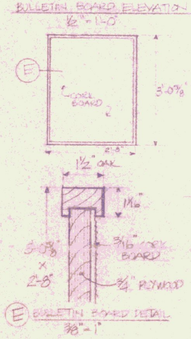


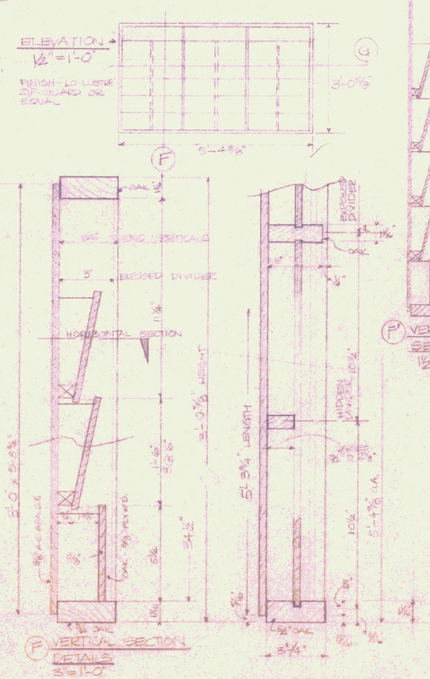


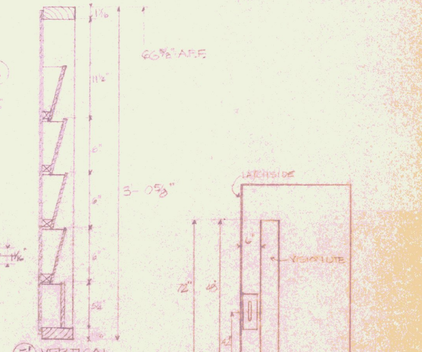


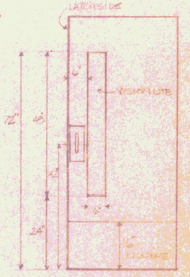












STATE OF VERMONT
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MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

SECTIONS AND INTERIOR ELEVATIONS

IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	AS NOTED		A-4
DRAWN BY:	APPROVED BY:		8 OF 21

WINDOW AND DOOR DETAILS

STATE OF VERMONT
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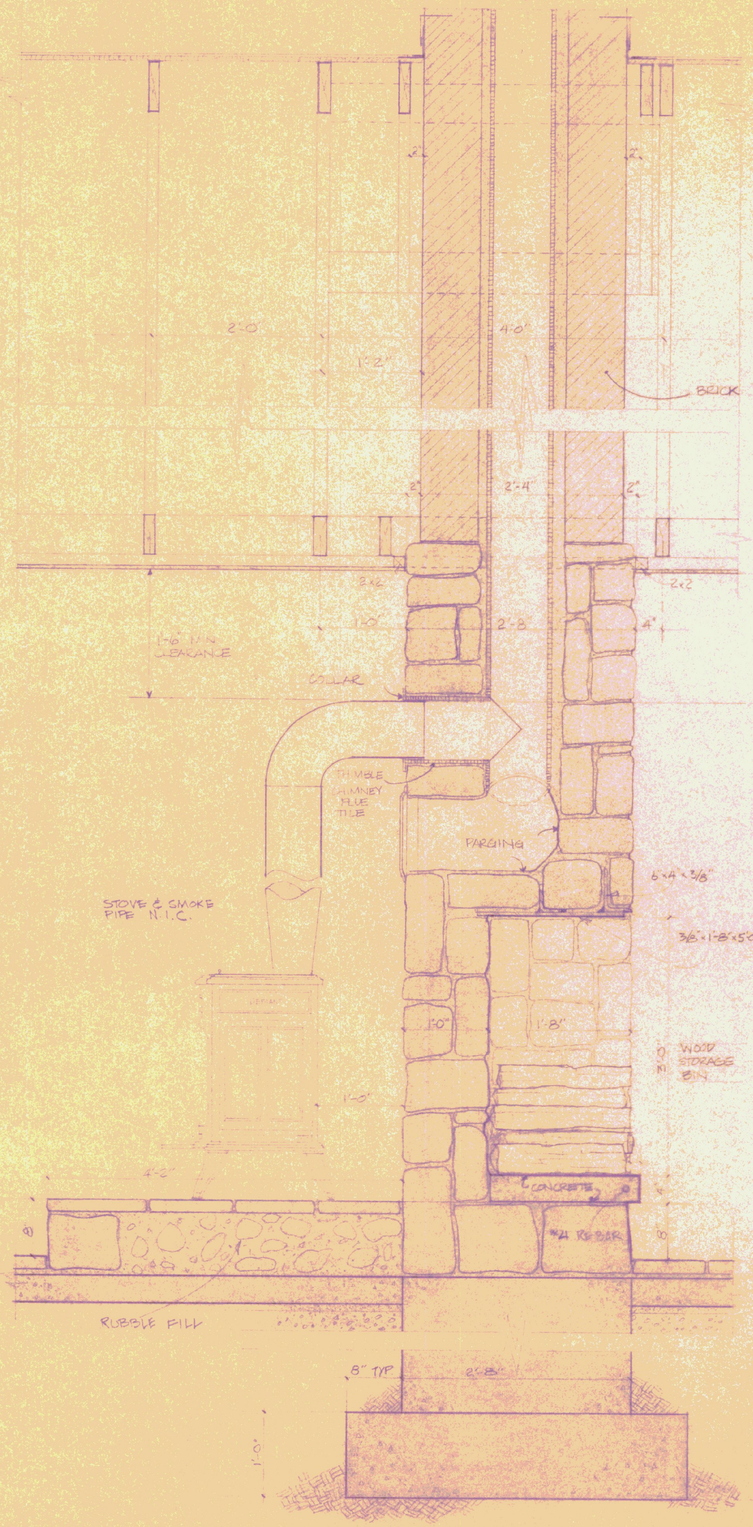
WELCOME CENTER, WATERFORD, VERMONT

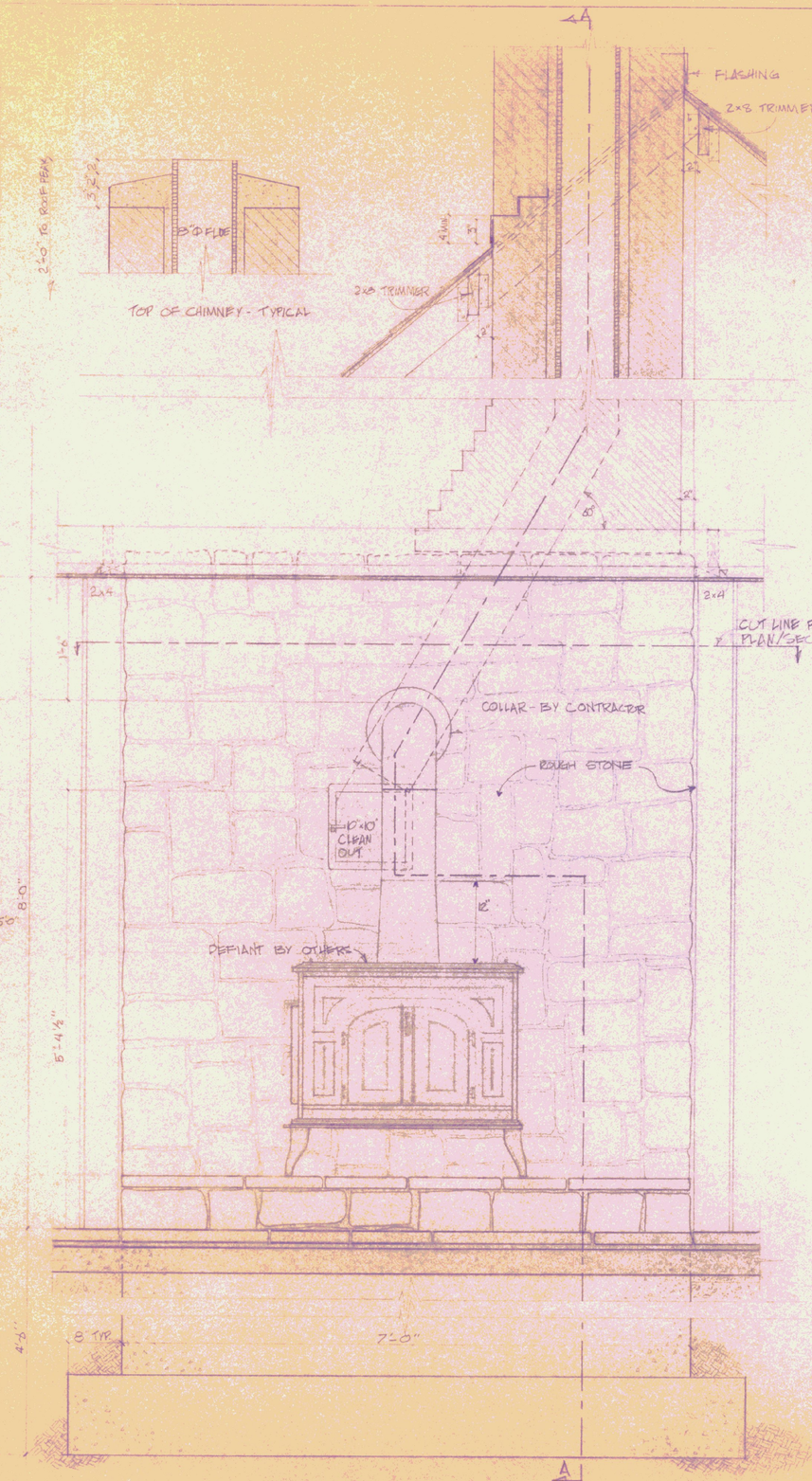
IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	1½" = 1'-0"		A-5
DRAWN BY:	APPROVED BY:		9 OF 21

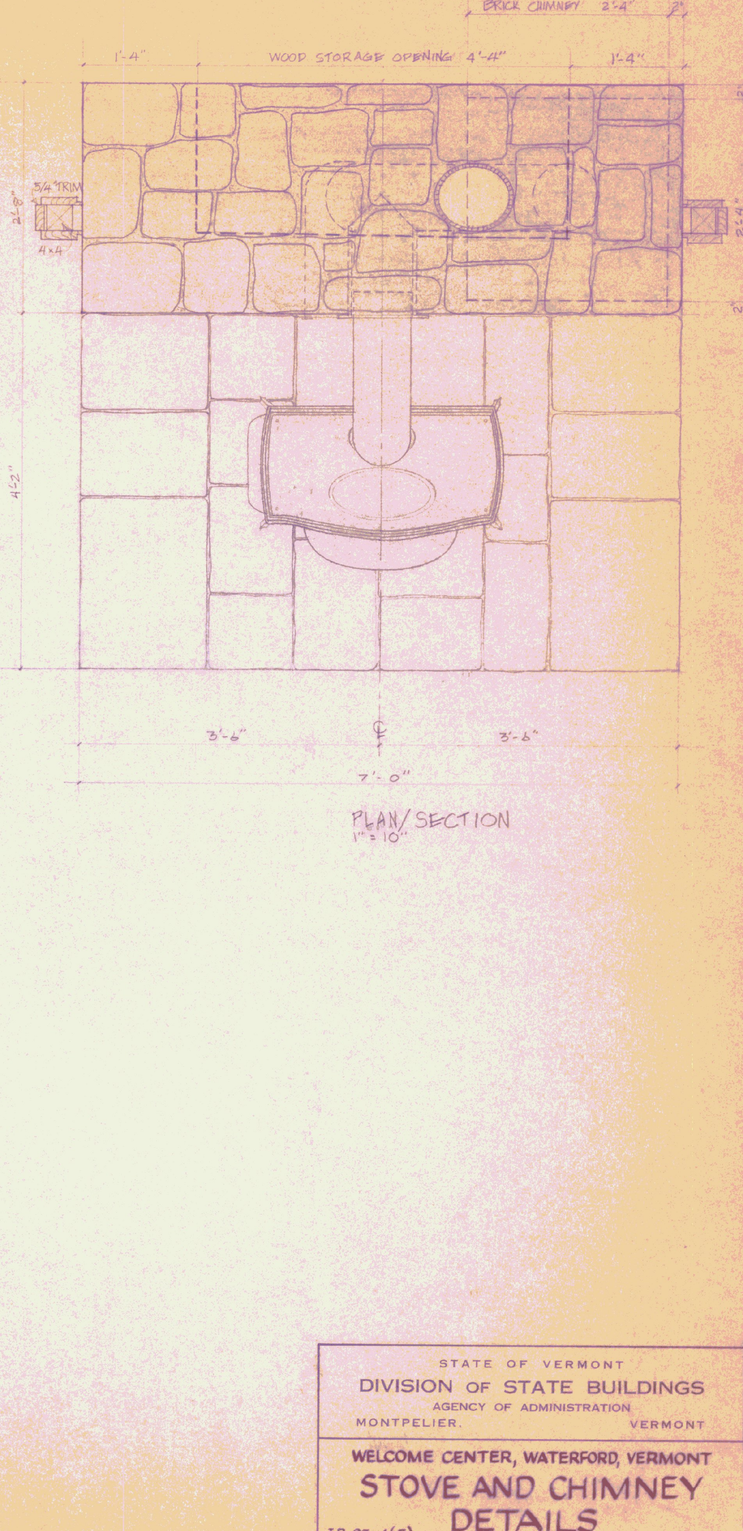
1 CORNER
WINDOW JAMB
3 WINDOW MULLION
5
5A WINDOW JAMB
SIDELIGHT JAMB
7
9 DOOR HEAD
DOOR JAMB
11
CORNER AT ENTRANCE DOOR
AWNING WINDOW
24 SIDELIGHT
20 DOOR
6 EAVE @ WINDOW HEAD
8 EAVE AT CLAPBOARD
2 GABLE TRIM AT CEILING LINE
10 GABLE TRIM AT WINDOW HEAD
22 GABLE TRIM AT ENTRANCE HEAD - SIDELIGHT
18 GABLE TRIM AT ENTRANCE HEAD - DOOR
10 HEAD DETAIL - DOOR #10
4
SLIP JOINT AT INTERIOR PARTITIONS TO ALLOW UP MOVEMENT OF TRUSS



SECTION "A-A"
1"=10"



ELEVATION/SECTION
1"=10"



PLAN/SECTION
1"=10"

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WELCOME CENTER, WATERFORD, VERMONT

STOVE AND CHIMNEY DETAILS

IR 93-1(5)

DATE: APRIL 16, 1982	SCALE: AS NOTED	REVISIONS:	DWG. NO. A-6
DRAWN BY: S. REMICK	APPROVED BY:		10 OF 21

USE FULL LENGTH 22'-10½" 2"x14"

POST - SEE NOTE ON OPPOSITE POST

2X10 RAFTERS

4 - 2X14 UNDER

2X6 RAFTERS

2X6 RIDGE

2X4 RAFTER

RIDGE LINE

FRAMED WALL UNDER

TRUSS ①

TRUSS TYPE ②

ALL FRAMING 2" CLEAR TO CHIMNEY

CONTINUOUS ROOF SHEATHING UNDER GABLE END RAKE & ROOF FRAMING

VALLEY LINE

GABLE WALL FRAMED UNDER

1X6 EAVE TRIMMER SHAPED

4 - 2X4 BEAM UNDER FULL LENGTH

2X10 RAFTER

2X12 EDGE

2X4 GABLE FRAMING

FRAMED GABLE WALL UNDER

TYPICAL 3X6 GABLE RAFTER ENDS & NEXT ADJACENT TRUSS SPACING.

(P.T. #1800) 6X6 POST OR 4-2X6 BUILT-UP POST IN PARTITION UNDER 4-2X14 - USING 22' LENGTH OF 2"X4"S

2X4 LADDER GABLE FRAMING

2X4 GABLE LADDER FRAME

TRUSS LOADING (2'-0" O.C.)
50" SNOWLOAD PLUS DEAD LOAD
2X6 TOP CHORD
2X4 DIAGONALS & INTERMEDIATE MEMBER
2X6 BOTTOM CHORD
JOINT PLATES AS ENGINEERED BY TRUSS MFR.

FRAMED GABLE WALL UNDER

2X6 GABLE FRAMING

3 V

6 FRAMING PLAN
SCALE: ¼"=1'-0"

END TRUSS ② (NO EXTENSION OF TOP CHORD)

RAFTER

2X6 T.C.

7½"

2 LAYERS OF 6" INSULATION NOT SHOWN

2 LAYERS OF 6" INSULATION NOT SHOWN

RIDGE 2" x 8" AS ENGINEERED BY TRUSS MFR.

2X8 JOIST AS TRUSS MFR. AT TRUSS ENDS

WORKING POINT

2X6 B.C.

24'-0"

4 - 2X14 BEAMS - POLELAM #1 f 1800 DENSE NO 1 f 2100 SELECT STRUCTURAL

4 TRUSS ② END ½ BEAM AT ENTRANCE GABLE ROOF
SCALE: 3"=1'-0"

24'-0" SPAN

TRIM AT BEAM - MATCH WALL AND OPENING TRIM

END TRUSS ②

EXTENSION T.C. TRUSS ①

2X6 T.C.

DASHED OUTLINE OF 2X10 G. ENTRANCE GABLES WITH EAVE EXTENSION SIMILAR TO TRUSSED ENDS

TRUSS END ①

SPLICE PLATES AS ENGINEERED BY TRUSS MFR.

WORKING POINT

2X6 B.C.

2X4 BLOCKING BETWEEN SIZED RAFTERS

5 TRUSS ① END
SCALE: 3"=1'-0"

TRUSS ② (NO T.C. EXTENSION)

DETAIL 4

END TRUSS ②

PROVIDE 3X4 BLOCKING UNDER RAFTER ENDS

1 ENTRANCE GABLE
SCALE: ¾"=1'-0"

2 - 2X14 BEAMS - POLELAM #1 f 1800 DENSE NO. 1 OR SELECT STRUCTURAL

TRUSS ② 24'-0" (NO EXTENSION)

GRID LINE

2X6

6'-0"

24'-0"

2X6 BEARING WALLS

SPLICE PLATES AS ENGINEERED BY TRUSS MFR.

2 TYPICAL TRUSS ①
SCALE: ¾"=1'-0"

TRUSS ① 24'-0" + EXTENSION BOTH ENDS

2'-0"

5/8" CD-X ROOF SHEATHING

2X4 LADDER FRAME

2X4 GABLE

SLOPED PL.

2X6 TOP CHORD MEMBERS

½" CD-X WALL SHEATHING

2X6 GABLE STUDDED FRAMING @ 24"

ALL DIAGONALS AND INTERMEDIATE MEMBERS 2X4

2X6 BOTTOM CHORD MEMBERS

DOUBLE PLATE

3 TYPICAL GABLE END
SCALE: ¾"=1'-0"

STRUCTURAL ENGINEERS:
KNIGHT CONSULTING ENGINEERS

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

ROOF FRAMING DETAILS

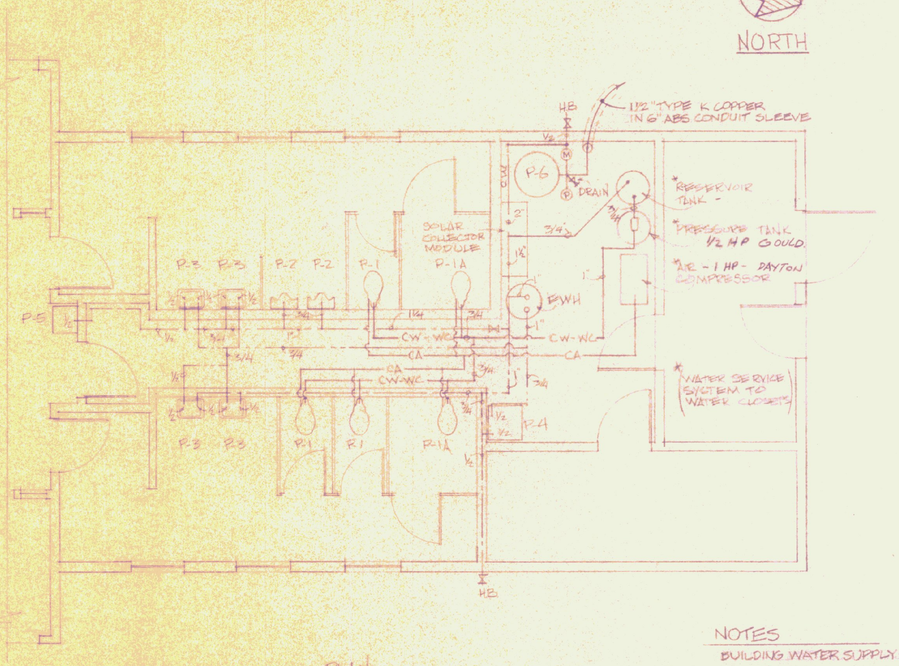
IR 93-1(5)

DATE: APRIL 16, 1982	SCALE: AS NOTED	REVISIONS:	DWG. NO. A-7
DRAWN BY: HK	APPROVED BY:		11 OF 21

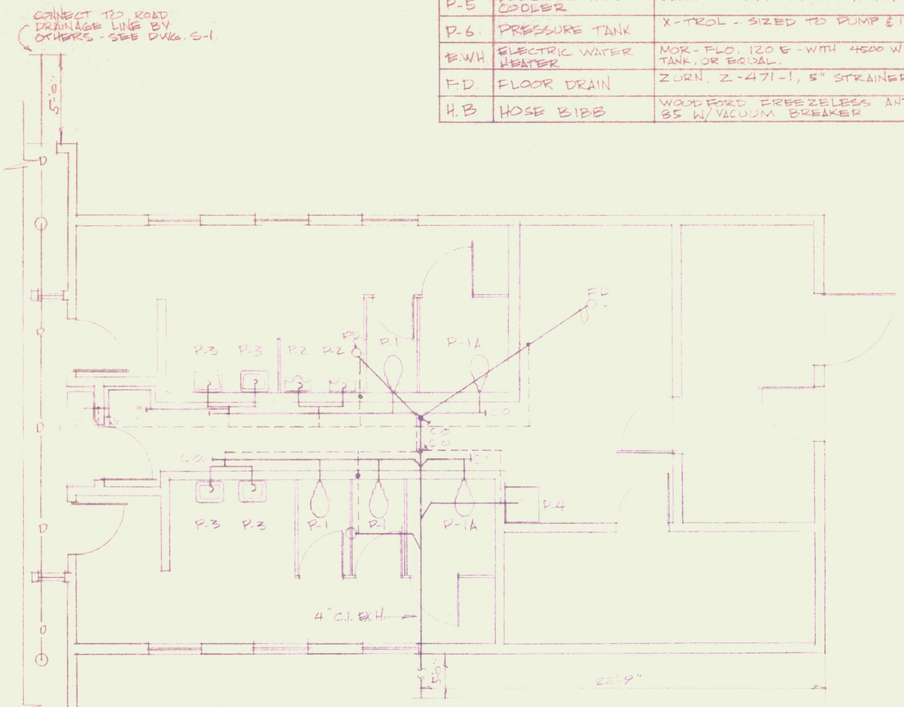
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER & MODEL	CONN. SIZE CW	CONN. SIZE WW	CONN. SIZE AIR	REMARKS
P-1	WATER CLOSET	"MICROPHOR" LOW FLUSH TOILET - 2 GALLON, VITREOUS CHINA, MODEL LF-210-3 W/ELONGATED OPEN FRONT SEAT - REMOTE VALVE	1½	-	4	2
P-1A	HANDICAP WATER CLOSET	"MICROPHOR" LOW FLUSH TOILET - 2 GALLON, VITREOUS CHINA, MODEL LF-210-1 W/ INTEGRAL VALVE, W.C. TO BE 16" FROM FL. TO RIM	1½	-	4	2
P-2	URINAL	AMERICAN STANDARD "WASHBROOK" 6550.010, BACK SPUD VIT CHINA WASHOUT URINAL, ¾" IN-BT SPUD, SLOAN ROYAL CONCEAD BEHIND WALL	¾	-	2	-
P-3	LAVATORY	AMERICAN STANDARD "DENLYN" LAVATORY" 0373.050, W/ CONCEALED ARMS LAV TRAIN 2411.015 - 1¼" DIA. BRADLEY METERING FAUCET 90/75.	½	½	1¼	-
P-4	MOP RECEPTOR	24"x24"x6" POWERS FLAT PRECAST TERRAZZO 58-6 W/SERVICE FAUCET #830A-A W/VAC. BREAKER, PAIL HOOK, MOP HANGER 887-CC, RECESS IN FL.	½	½	2	-
P-5	ELECTRIC WATER COOLER	ELKAY MO. EHF-8, WALL HUNG, COLOR BY ARCHITECT.	½	-	1½	-
P-6	PRESSURE TANK	X-TROL - SIZED TO PUMP & INSTALLATION	1½	-	-	-
E.W.H	ELECTRIC WATER HEATER	MOR-FLO, 120 E - WITH 4500 W ELEMENT IN TOP 1/3 OF TANK, OR EQUAL	¾	¾	-	-
F.D.	FLOOR DRAIN	ZURN, Z-471-1, 5" STRAINER	-	-	2	-
H.B	HOSE BIBB	WOODFORD FREEZELESS ANTI CONTAMINATION MODEL 85 W/ VACUUM BREAKER	½	-	-	-

NORTH



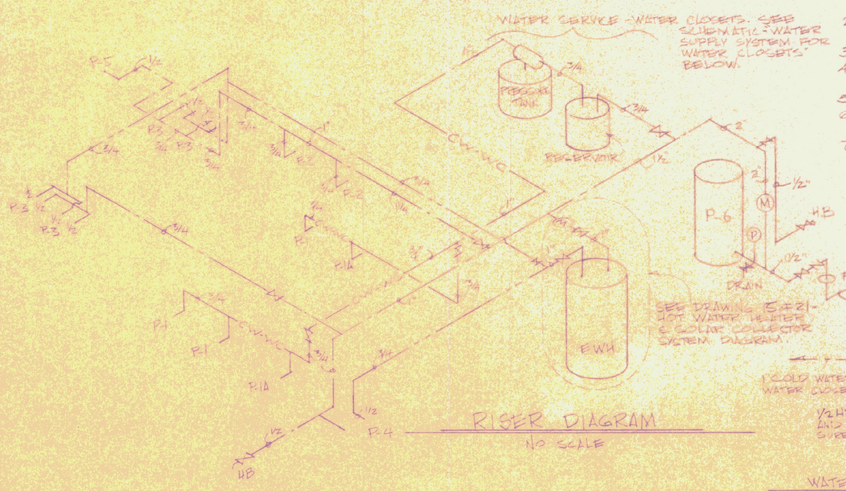
PLAN
1/4" = 1'-0"



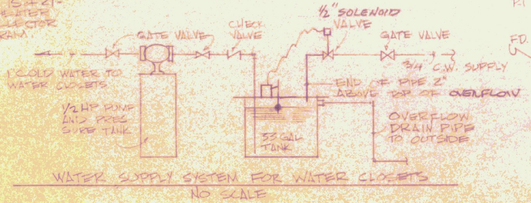
PLAN
1/4" = 1'-0"

NOTES
BUILDING WATER SUPPLY SYSTEM

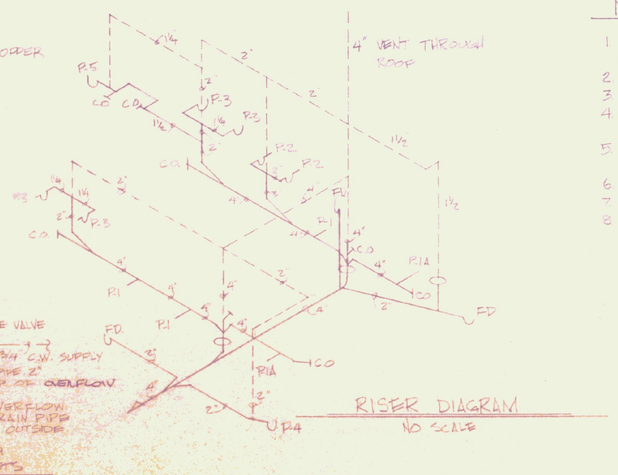
1. PUMP GOULD - 7ED 2HP 1PBW 240V SET 640'± DOWN IN EXISTING DRILLED WELL MEYERS, DEMING, FAIRBANKS MORSE OR EQUAL
2. 1" GALV. STEEL PIPING - ASTM A120 THREADED FITTING NPT IN WELL.
3. PITLESS @ 6'-0"± DOWN.
4. PIPE - PITLESS TO BUILDING 1½" TYPE K. COPPER IN 6" ABS SLEEVE.
5. ELECTRICAL WIRE - 3 #6.
6. PRESSURE TANK - X-TROL W/X-251 HOYT, MEDALIST, OR EQUAL
7. WELL CAP - WATERTIGHT VENTED



RISER DIAGRAM
NO SCALE



WATER SUPPLY SYSTEM FOR WATER CLOSETS
NO SCALE



RISER DIAGRAM
NO SCALE

LEGEND

———	COLD WATER PIPING
———	HOT WATER PIPING
—CW-WC—	COLD WATER FOR WATER CLOSETS
—CA—	COMPRESSED AIR
- - - -	VENT PIPING
—N—	GATE VALVE
—⊬—	CHECK VALVE
F.D.	FLOOR DRAIN
C.O.	CLEAN OUT
E.W.H.	ELECTRIC WATER HEATER
H.B.	HOSE BIBB
⊕	SLAB PENETRATION
—Ⓜ—	WATER METER
—Ⓟ—	PRESSURE GAUGE

NOTES

1. HOT AND COLD WATER LINES TO BE TYPE L HARD DRAWN COPPER ABOVE GRADE - TYPE K COPPER W/CAST BRASS FITTINGS FOR UNDERGROUND
2. DRAIN AND VENTS ABOVE SLAB TO BE D.W.V. COPPER
3. DRAINS BELOW SLAB TO BE CAST IRON, LEADED JOINTS
4. COLD WATER LINES TO BE INSULATED W/ STANDARD COLD WATER PIPE INSULATION.
5. WATER CUT OFF VALVES TO BE INSTALLED AT ALL FIXTURES. VALVES TO BE JENKINS OR APPROVED EQUAL
6. AIR LINES TO BE TYPE L SOFT DRAWN COPPER
7. URINAL FLUSH VALVE TO BE SPRING LOADED MANUALLY OPERATED
8. SUPPLY AND INSTALL VALVE STOPS ON SUPPLY LINES TO FIXTURES. (INCLUDES AIR LINES TO TOILET)

HOT AND COLD WATER

SANITARY WASTE AND VENT

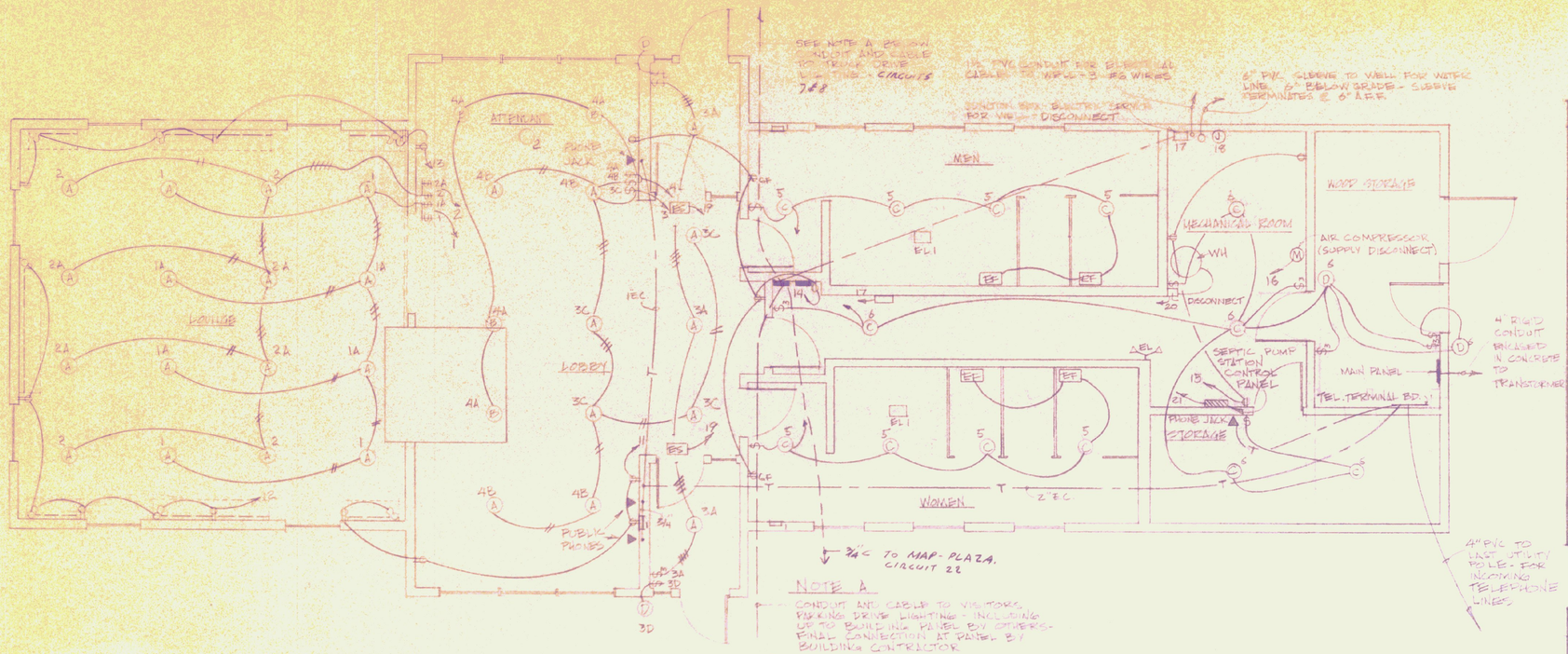
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

PLUMBING PLAN

IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	AS NOTED		P-1
DRAWN BY: J. REMICK	APPROVED BY:		12 OF 21



NOTE A

CONDUIT AND CABLE TO VISITORS PARKING DRIVE LIGHTING - INCLUDING UP TO BUILDING PANEL BY OTHERS - FINAL CONNECTION AT PANEL BY BUILDING CONTRACTOR

CIRCUITS 9-10

ELECTRICAL PLAN

1/4" = 1'-0"

MAIN DISTRIBUTION PANEL

PANEL MDP - WESTINGHOUSE BIOB, 36 POLE, 225 AMP MAINS, 120/240 V 1Ø, 3-W SN: V1150 AMP MAIN BREAKER - 10,000 I.C.

CIRCUIT NUMBER	BREAKER AMP	BREAKER POLE	EQUIPMENT SERVED	H.P.	
1-6	15	1	LIGHTING - INTERIOR		
7-10	15	2	EXTERIOR LIGHTING		
11	15	1	RECEPTACLES - DISPLAY LOUNGE, LOBBY		
12	15	1	RECEPTACLES - DISPLAY LOUNGE		
13	15	1	DISPLAY LOUNGE, ATTENDANT'S ROOM		
14	15	1	DRINKING FOUNTAIN & LOBBY	1/5	WATER COOLER
15	15	1	MECHANICAL ROOM		
16	20	1	AIR COMPRESSOR - LO FLUSH	1	
17	30	2	WELL PUMP	3	
18	20	1	HEAT TAPE AT WELL LINE	.015 KW	@ WELL PUMP STATION
19	20	1	EMERGENCY LIGHTING BATTERY/CHARGER		
20	30	2	ELECTRIC WATER HEATER		1½" CONDUIT
21	20	2	WASTE WATER PUMP STATION	2-2HP	PANEL IN MECH. RM
22	15	1	MAP PLAZA		
23-29	20	1	SPARES		

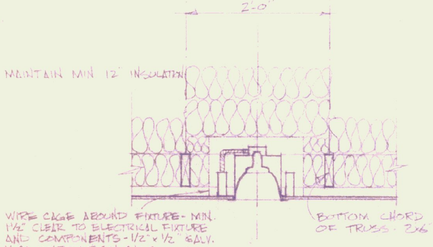
LEGEND

⊜GF	DUPLEX RECEPTACLE GROUND FAULT - HUBBELL GF-8300-I WITH STAINLESS STEEL COVER PLATE
⊜	DUPLEX RECEPTACLE - 20A - MOUNTED 16" A.F.F.
$	SWITCH - 2 WAY MOUNTED 4 FEET A.F.F.
$3	SWITCH - 3 WAY MOUNTED 4 FEET A.F.F.
	LIGHT FIXTURE - LETTER DENOTES TYPE A - OMEGA E 4001 TW, 100 W, A-19 } SIMILAR UNITS BY LIGHTOLIER, PRESCOLITE, OR EQUAL. B - OMEGA W 4002 TW, 100 W, A-19 C - LIGHTOLIER 6772 - OPALEX LEXAN LUMINAIRE } SIMILAR UNITS BY PRESCOLITE, MCPHILBEN, OR EQUAL. D - LIGHTOLIER 6780, WALL MOUNT
	RECEPTACLE IN DISPLAY CASE FOR FLUORESCENT LIGHT
	TELEPHONE
J	JUNCTION
EF	EXHAUST FAN

EMERGENCY LIGHT SYSTEM

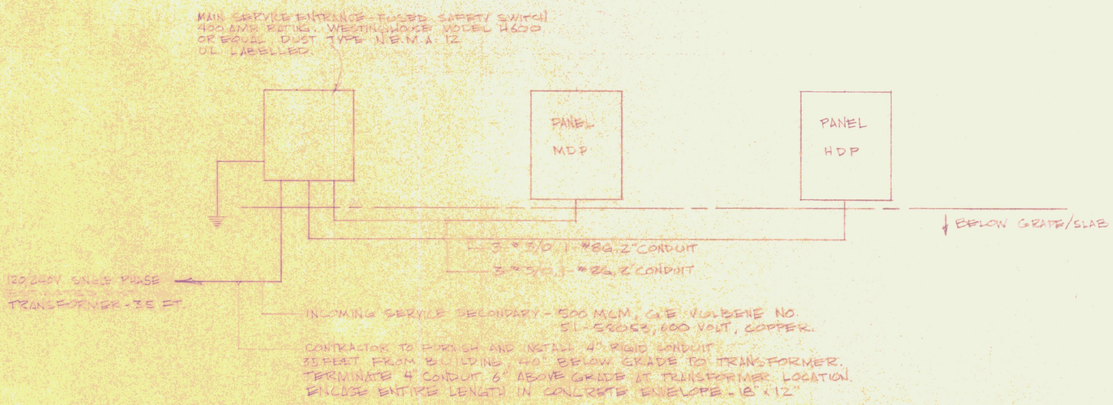
1	38 WATT V-12 50-1 W/ STAINLESS STEEL PLATE ✗
2	25 WATT FLOOD LAMP 4446 MK ✓
ES	EXIT LIGHT SIGN - SERIES SX SURFACE MOUNT 12-SX-S-1-R ✓
A A	DUPLEX LIGHTS - FLOOD PAR 36 4446K ✓
EL	EMERGENCY LIGHT ✓

ES



LIGHT FIXTURE DETAIL

1" = 1'-0"



POWER RISER DIAGRAM

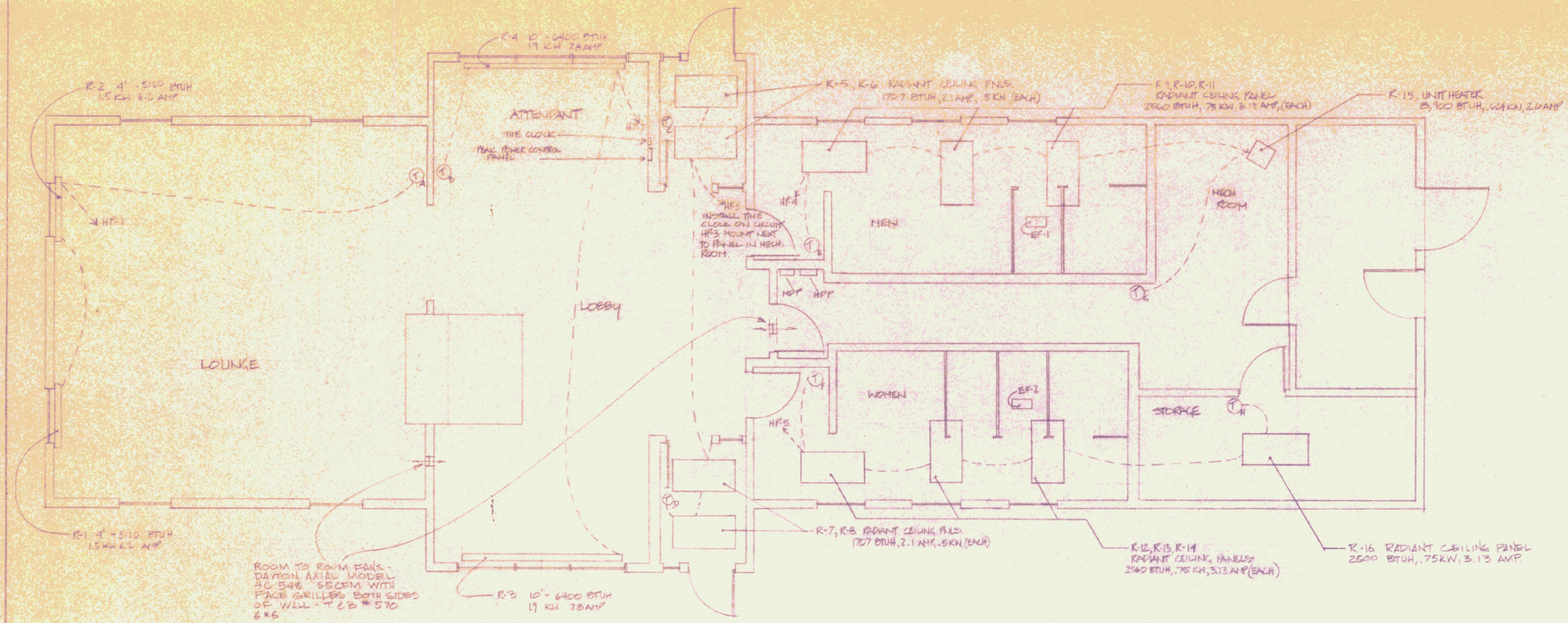
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

ELECTRICAL PLAN

IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	AS NOTED		E-1
DRAWN BY: S REMICK	APPROVED BY:		13 OF 21



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

HEATING · VENTILATING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER & MODEL	CHARACTERISTICS	ELECTRICAL	NOTES
R-1,2	ELEC. SILL HEIGHT CONVECTOR	EMERSON-CHROMALOX-DSH07A-4375	1.5 KW, 4'-0" LONG, 5120 BTUH	240v.-1φ-60Hz	*
R-3,4	" " " "	" " -DSH07A-10188	1.9 KW, 10'-0" LONG, 6400 BTUH	" " "	"
R-5,6,7,8	ELEC. RADIANT CEILING PANEL	" " -CP504	.5 KW, 2'-0" X 4'-0", 1707 BTUH	" " "	RECESSED
R-9,10,11,12,13,14,16	" " " "	" " -CP754	.75 KW, 2'-0 X 4'-0", 2560 BTUH	" " "	"
R-15	ELEC. HORIZONTAL UNIT HTR.	" " -LUH-02-16	.6 KW, 8900 BTUH	" " "	
EF-1,2	CEILING EXHAUST FAN	KUSH-HAMPTON IND -CA/90	.023 KW, 1/200 HP	120v.-1φ-60Hz	OUTLESS

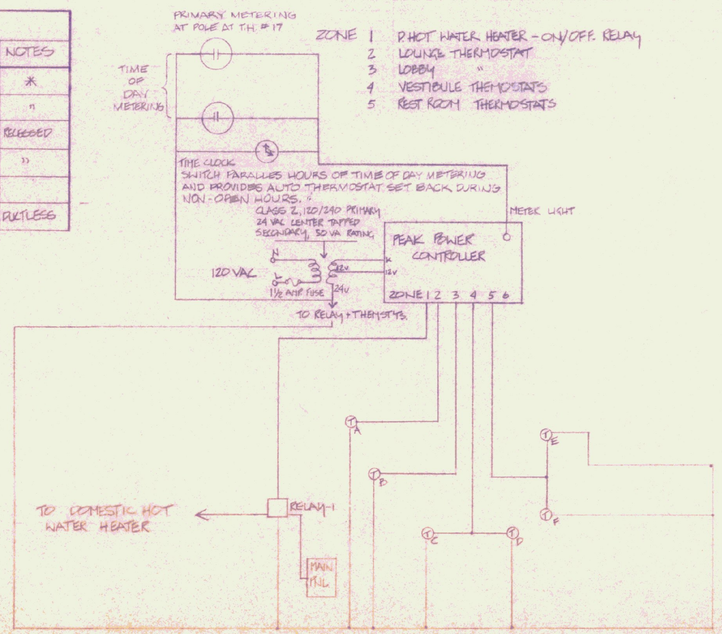
* COLOR BY OWNER, SUPPLY OPTIONAL PROTECTIVE MESH FOR OUTLET.

HEATING DISTRIBUTION PANEL

PANEL HDP WESTINGHOUSE TYPE B10B 120/240v. 1 PHASE, 18 POLE SN, W/ 225 AMP MAINS AND 150 AMP MAIN BRKR. (VERT. MTD) 10,000 I.C.

CIR NO.	BREAKER AMP	BREAKER POLE	EQUIPMENT SERVED	CONNECTED LOAD KW	CONNECTED LOAD AMP	REMARKS
1	20	2	R-1,2	3.0	12.4	ELEC. RESISTANT HT
2	20	2	R-3,4	3.8	15.6	" " "
3	20	2	R-5,6,7,8	2.0	8.4	RADIANT PANELS
4	20	2	R-9,10,11,16	2.87	12.0	" & UNIT HEATER
5	20	2	R-12,13,14,16	3.0	13.5	RADIANT PANELS
6-7	20	2	SPARES			SPARES
8-9	30	2	SPARES			SPARES

PEAK POWER CONTROLLER - FOR TIME OF DAY RATES



NOTE: SHOP DRAWING & WIRING DIAGRAMS TO BE APPROVED BEFORE INSTALLATIO

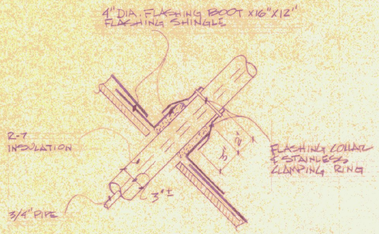
STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

WELCOME CENTER, WATERFORD, VERMONT

HEATING PLAN

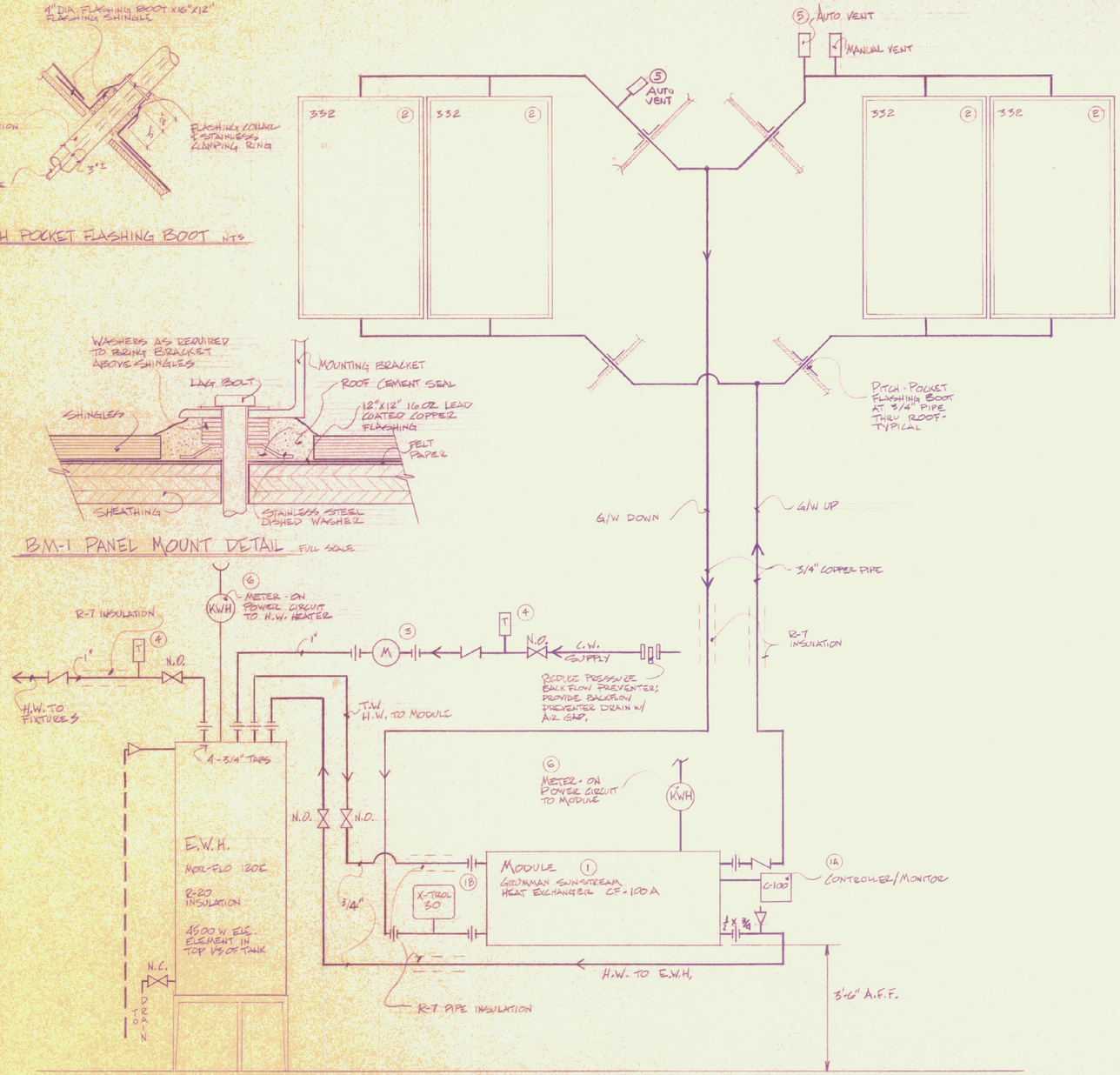
IR 93-1(5)

DATE:	SCALE:	REVISIONS:	DWG. NO.
APRIL 16, 1982	1/4"=1'-0"	4 CANCEL ALT	E-2
DRAWN BY: RCH	APPROVED BY:		14 OF 21



PITCH POCKET FLASHING BOOT NTS

BM-1 PANEL MOUNT DETAIL FULL SCALE



SEE DWG. 12 OF 21 - PLUMBING - FOR INTERFACE WITH BUILDING PLUMBING SYSTEMS.

SCHEMATIC DIAGRAM NTS.

SYMBOLS

- GATE VALVE
- SWING GATE CHECK VALVE
- GLOBE VALVE
- PRESSURE/TEMP RELIEF VALVE
- (M) WATER METER
- DIRECTION OF FLOW
- DRAIN VALVE
- UNION
- T THERMOMOMETER
- TW TEMPERED WATER
- HW HOT WATER
- (kwh) ELECTRICAL METER
- G/W 50% ETHYLENE GLYCOL WATER SOLUTION

EQUIPMENT AND ACCESSORIES (OR APPROVED EQUALS)

1. GRUMMAN SUNSTREAM HEAT EXCHANGER CF-100A
1A. C-100 CONTROLLER/MONITOR
1B. AUXILARY PRESSURE TANK X-TROL #30 ON INLET LINE FROM SOLAR COLLECTOR PANELS
2. SOLAR COLLECTORS - GRUMMAN #332 W/ BM-1 OR BM-2 PANEL MOUNTS
3. 1" WATER METER, MOUNT 5'-0" A.F.F.
4. THERMOMETER - AMETEK #T574 OR EQUAL, MIN. RANGE 40°-260° F.
5. AUTOMATIC AIR VENTS - TACO HY VENT #426
6. KWH METERS

TEMPERATURE SENSORS AT C-100 SHALL MONITOR:

1. INTERIOR SPACE TEMPERATURES AT MECHANICAL SPACE
2. AMBIENT TEMPERATURES - OUTSIDE AIR
3. COLLECTOR FLUID TEMPERATURES OUT TO COLLECTORS,
4. COLLECTOR FLUID TEMPERATURES FROM COLLECTORS.
5. HOTWATER FROM E.W.H. UNIT TO MODULE.
6. HOTWATER FROM MODULE TO E.W.H. UNIT.

NOTES

1. PROVIDE UNIONS AT ALL PIPING CONNECTIONS TO E.W.H. TANK AND AT ALL EQUIPMENT CONNECTIONS.
2. ALL RELIEF AND DRAIN PIPING SHALL BE 3/4", ALL STORAGE LOOP AND GLYCOL LOOP PIPING SHALL BE AS INDICATED. ALL PIPING TYPE L HARD DRAWN COPPER.
3. ALL POWER AND CONTROL WIRING SHALL BE IN EMT CONDUIT,
4. PIPE HANGERS AND SADDLES TO BE PROVIDED WHERE NEEDED.
5. PROVIDE WARNING TAG AT GLYCOL REFILL CONNECTION.
6. PROVIDE TYPE WRITTEN INSTRUCTIONS.
7. ALL VALVES TO BE NUMBERED.

GENERAL NOTES:

1. CONTRACT DRAWINGS ARE IN PART DIAGRAMATIC, INTENDED TO CONVEY SCOPE AND ARRANGEMENT OF WORK, VERIFY ALL SPACES IN WHICH WORK WILL BE PERFORMED BY ON SITE MEASUREMENTS. DO NOT SCALE DRAWINGS,
2. WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NATIONAL PLUMBING CODE, N.E.C., UNDERWRITERS LABORATORIES, N.F.P.A., ASHRE GUIDE AND ALL MUNICIPAL, STATE AND OTHER AUTHORITIES, PUBLIC AND PRIVATE, HAVING JURISDICTION. REPORT ALL DISCREPANCIES WITH SUCH REGULATIONS TO OWNERS PROJECT ENGINEER AND DO NOT PROCEED WITH ANY WORK UNTIL RECEIPT OF WRITTEN AUTHORIZATION FROM ARCHITECT.
3. COORDINATE WORK WITH ALL TRADES TO AVOID INTERFERENCE. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED BECAUSE OF ANY WORK MADE NECESSARY BECAUSE OF FAILURE TO DO SO,
4. PLUMBING PLANS ARE DIAGRAMATIC AND DO NOT SHOW ALL PIPES AND FITTINGS REQUIRED.
5. ALL VALVES TO BE JENKINS - WALWORTH, CRANE OR APPROVED EQUAL.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
C.W.	COLD WATER
FIN.	FINISHED
FL.	FLOOR
GAL.	GALLON
H.W.	HOT WATER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF	WATERFORD, VERMONT
HIGHWAY NO.	I 93
	HOT WATER SOLAR COLLECTOR SYSTEM
Designed by	Drawn by HANSON
Checked by / date	APRIL 16, 1982
PROJECT	WELCOME CENTER
PROJECT NO.	IR 93-1(5)
Sheet	15 of 21

NOTES:

1. THE MOUNDS SHALL BE CONSTRUCTED OF MATERIAL HAVING A UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) TEXTURAL CLASSIFICATION OF SAND. SIEVE ANALYSIS OF THE PROPOSED MATERIAL SHALL BE AS FOLLOWS:
   - 100% PASSING NO. 10 SIEVE
   - 50 TO 70% PASSING NO. 40 SIEVE
   - 5 TO 15% PASSING NO. 200 SIEVE

   THE MATERIAL SHALL HAVE A PERCOLATION RATE OF NOT LESS THAN 5 MINS PER INCH OR GREATER THAN 45 MINS PER INCH.
2. PLOW ENTIRE AREA COVERED BY MOUNDS PLUS 50 FEET DOWNSLOPE AND 25 FEET ON EACH SIDE, USING A MOLD BOARD PLOW. PLOW PARALLEL TO THE EXISTING GROUND CONTOURS BUT AROUND REMAINING TREE STUMPS. TREES SHALL BE CUT AS CLOSE AS POSSIBLE TO GROUND BUT STUMPS SHALL NOT BE REMOVED. PLOW SOIL ONLY WHEN MOISTURE CONTENT IS LOW TO AVOID COMPACTION AND PUDDLING. ONCE PLOWING IS COMPLETE, KEEP ALL VEHICLES OFF THE PLOWED AREA. IMMEDIATE CONSTRUCTION AFTER PLOWING IS HIGHLY PREFERABLE.

PIPING MATERIALS

PVC - ALL ON JOB - PVC ASTM D2241 SDR 32.5

GS - GALVANIZED THREADED AND COUPLED STANDARD WEIGHT STEEL PIPE

GMI - GALVANIZED MALLEABLE IRON 150 POUND FITTING

CI - EXTRA HEAVY (BELL & SPIGOT) CAST IRON SOIL PIPE

GATE VALVE: IRON BODY BRONZE MOUNTED (IBBM) 150 LB SWP U-BOLT

CHECK VALVE: IRON BODY, HORIZONTAL, BRONZE MOUNTED, SWING 125 LB SWP

TRAMP A+10+59.98

TWIN 2½" PVC FORCE MAINS (SCH 40 ALUMINUM ENCED) (AVOID TREES)

REPLACEMENT AREA

REPLACEMENT AREA

TREE CLEARING LINE

TREE CLEARING LINE

TREE CLEARING LINE

MOUND NO. 1

MOUND NO. 2

DIMENSIONS SHOWN ARE TYPICAL THROUGHOUT MOUNDS 1 & 2 (LOCATIONS OF 'A' HOLES)

1½" PVC DISTRIBUTION LINES

PIPE VERTICAL TO HEADER

2½" PVC HEADERS

FLOW SPLITTING MH

TOP OF MOUND = 977.0

SURFACE DRAINAGE INTERCEPTION SWALE

SURFACE DRAINAGE INTERCEPTION SWALE

TREE CLEARING LINE

BUILD UP BERM WITH EXCAVATED MATERIAL TOE = 977.0

NB 80+00 700' RT

TO NORTH BOUND LANE

WELCOME CENTRE

PARKING

TRAMP A+10+59.98

TWIN 2½" PVC FORCE MAINS (AVOID TREES - TWIG AREA) (5'6" MIN.)

REPLACEMENT AREA

REPLACEMENT AREA

MOUND NO 2

MOUND NO 1

FLOW SPLITTING MH

NB 80+00 700' RT

SITE LOCATION INSERT
SCALE 1"=100'

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APP'D BY

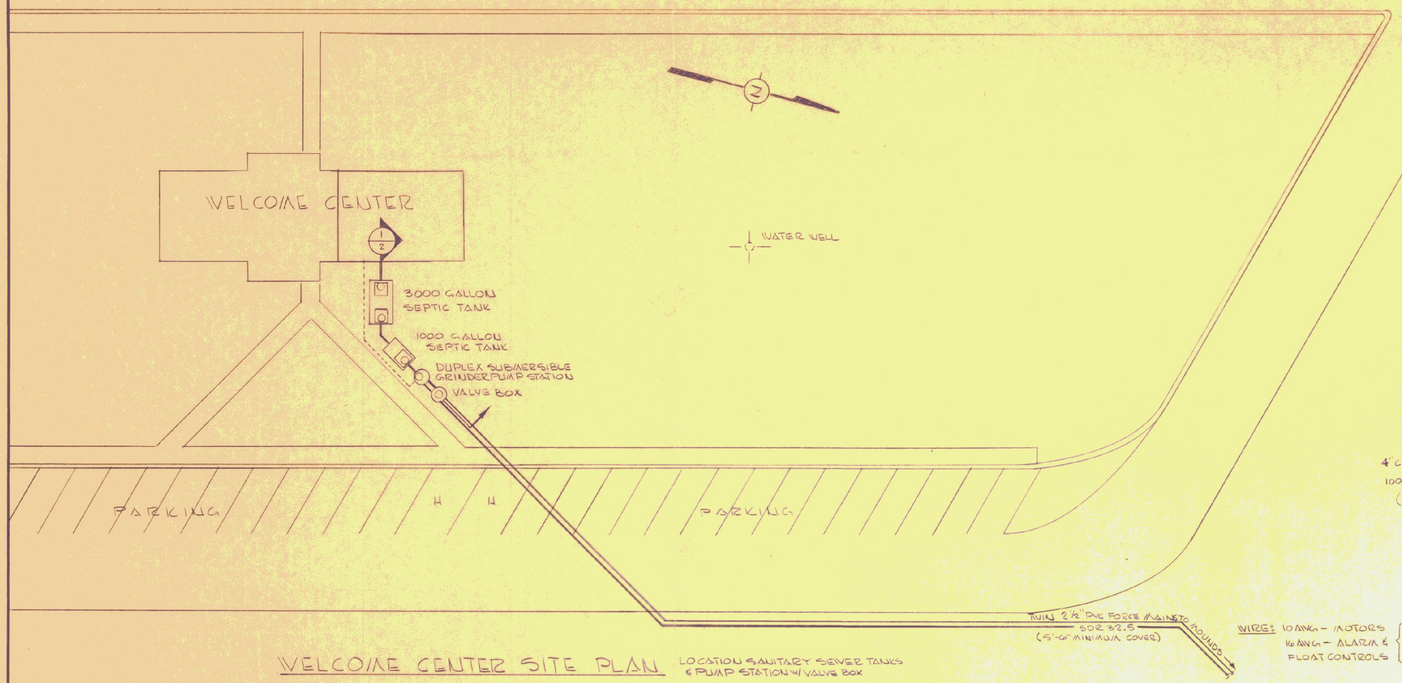
WELCOME CENTER
WATERFORD, VERMONT

LAYOUT AND LOCATION
MOUND DISPOSAL SYSTEM

PROJECT NO. 12-93-1(5)

SURVEYED	WEBSTER-MARTIN, INC. CONSULTING ENGINEERS SOUTH BURLINGTON, VERMONT	SCALE 1" = 20'-0"
DESIGNED AWP		
DRAWN RL		PROJECT NO. 06-1818
TRACED		
CHECKED AWP	SUBMITTED	DATE APRIL 1982
		DRAWING NO. WWS-1 16 OF 21

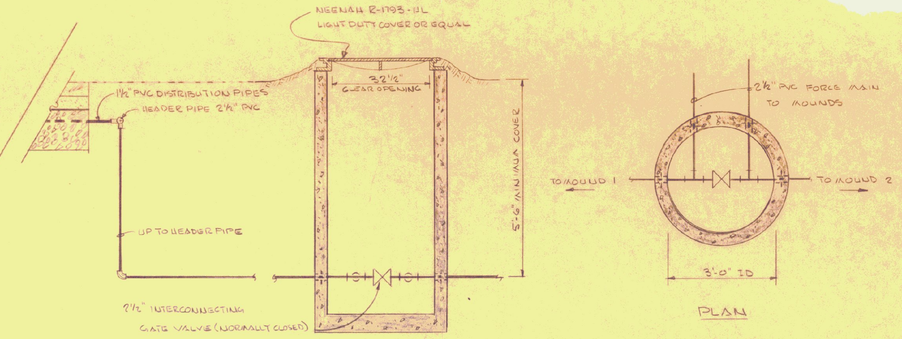
CONTRACT NO.



WELCOME CENTER SITE PLAN

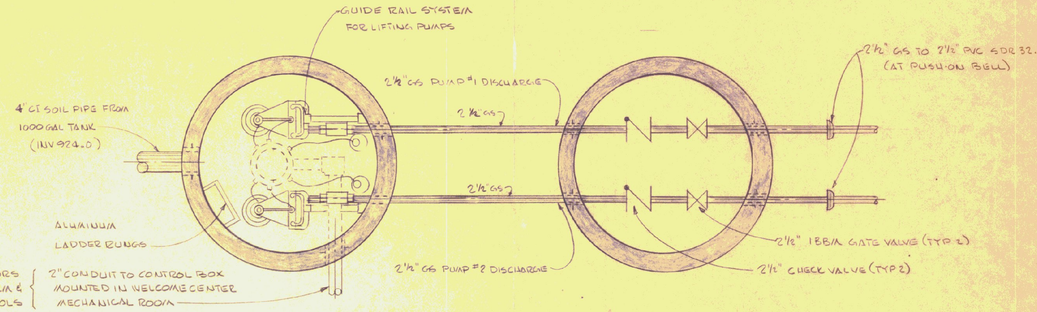
LOCATION SANITARY SEWER TANKS & PUMP STATION W/ VALVE BOX

SCALE 1" = 20'-0"

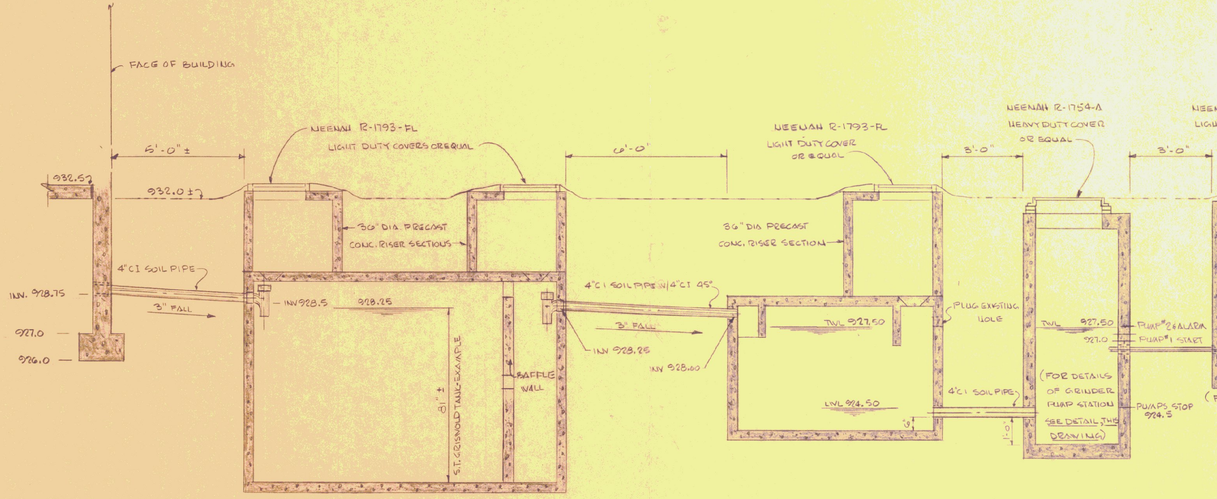


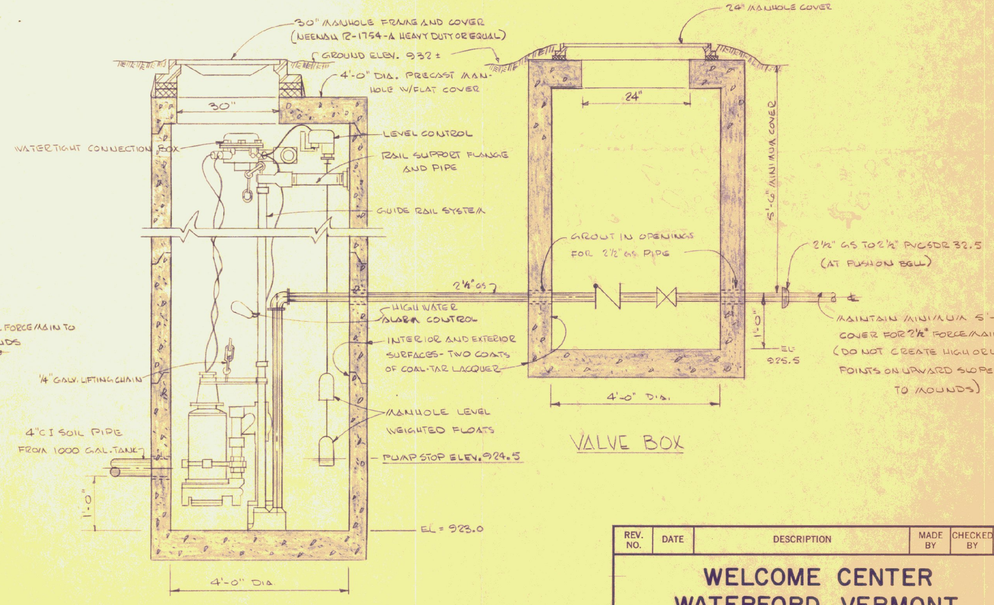
FLOW SPLITTING MANHOLE

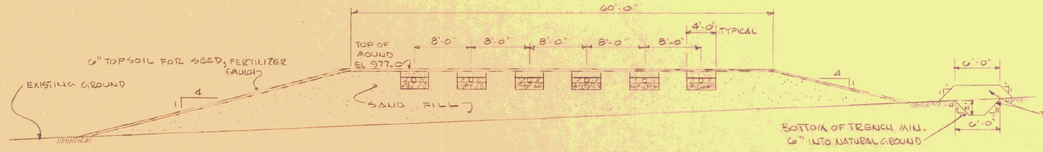
NOT TO SCALE



GRINDER PUMP STATION AND VALVE BOX PLAN

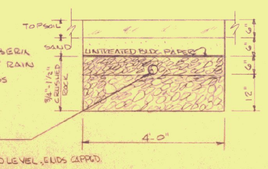






TYPICAL DRAINAGE MOUND

NOT TO SCALE



TYPICAL MOUND TRENCH

NOT TO SCALE

PIPE NOTES:

1. 1½" PVC PIPE, 95 FT LONG EACH TRENCH LAID LEVEL, ENDS CAPPED. DRILL ⅛" DIA. HOLES AT 12 FT CENTERS AT BOTTOM OF PIPE, STARTING 2'-6" & 8'-6" FROM ENDS OF ALTERNATE TRENCHES TO PROVIDE STAGGERED PATTERN OF HOLES.
2. FORCE MAINS TO CONFORM TO ASTM D 2241 SDR 32.5, 2½" STANDARD FOR PVC PRESSURE PIPE FOR WATER. (JOHNS-MANVILLE OR EQUAL)

DUPLEX SUBMERSIBLE GRINDER PUMP STATION AND VALVE BOX

NOT TO SCALE

PUMP STATION NOTE:

MANUFACTURER/SUPPLIER OF MECHANICAL EQUIPMENT FOR PUMP STATION AND VALVE BOX SHALL FURNISH ONE CHECK VALVE AND ONE GATE VALVE (PREFERABLY SAME VALVE/MFGR) PER PUMP SUPPLIED. ALSO SUPPLIER SHALL FURNISH ONE EXTENDED T-HANDLE WRENCH.

STATE OF VERMONT — No. 5208 — REGISTERED PROFESSIONAL ENGINEER

REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APP'D BY

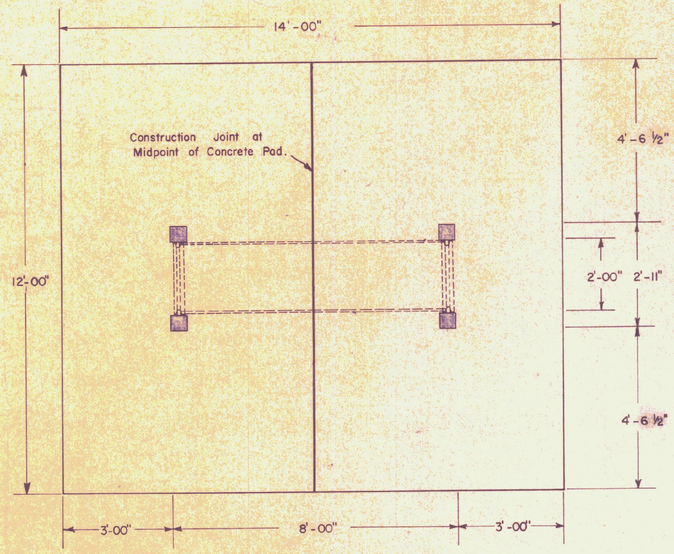
WELCOME CENTER WATERFORD, VERMONT

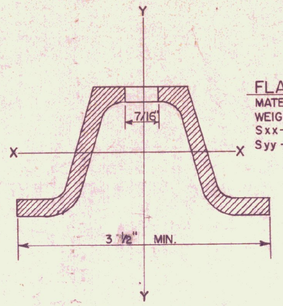
DETAILS OF SEPTIC TANKS, PUMPING STATION AND FLOW SPLITTING CHAMBER

PROJECT NO. 12-93-1(5)

SURVEYED	WEBSTER-MARTIN, INC. CONSULTING ENGINEERS SOUTH BURLINGTON, VERMONT		SCALE AS SHOWN
DESIGNED AWP			
DRAWN EL			PROJECT NO. 06-1818
TRACED			
CHECKED AWP	SUBMITTED	DATE APRIL 1982	DRAWING NO. WWS-2 17 OF 21

CONTRACT NO.





FLANGED CHANNEL

MATERIALS- RAIL STEEL OR ASTM A 242 STEEL
WEIGHT- 4.0 LBS per FOOT
Sxx- 0.58 IN^3 MINIMUM
Syy - 0.61 IN^3 MINIMUM

The Flanged Channels, U Channels and Angles shall have 36 holes 7/16" Diam., 2" center to center on the face, starting one inch from the top.

NOTE: CONCRETE PAD

CONCRETE TO BE CLASS "B", WITH REINFORCEING MAT (MAT MATERIAL SIZE OPTIONAL).

MAT TO BE FASTENED TO THE FOUR STEEL POSTS AT LOCATIONS SHOWN.

DETAIL "A"

ALL WELDS ARE TO BE A60 STRENGTH, PLACED AS SHOWN WITH ALL ANGLES EQUALING 90°.

BAR SHOWN TO BE #5 REINFORCEING BAR, WELDED TO THE FLANGED CHANNEL AS SHOWN.

MATERIALS for POST FRAME

USE:

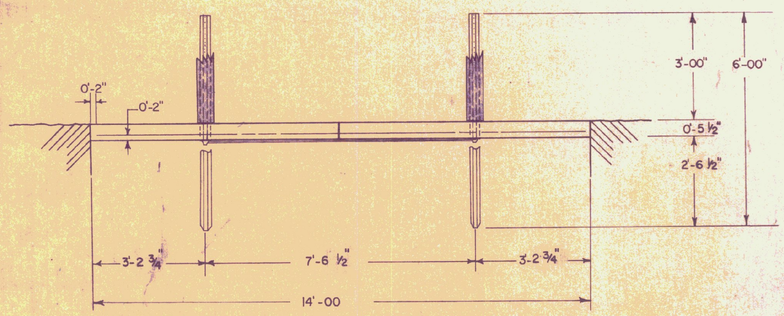
4	FLANGED CHANNEL POSTS	3'-5 ½" LONG
2	FLANGED CHANNEL BASE PLATES	2'-00" LONG
2	#5 REINFORCEING BARS	7'-4" LONG

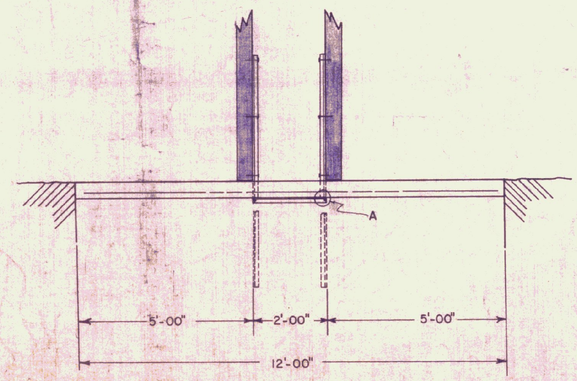
OR

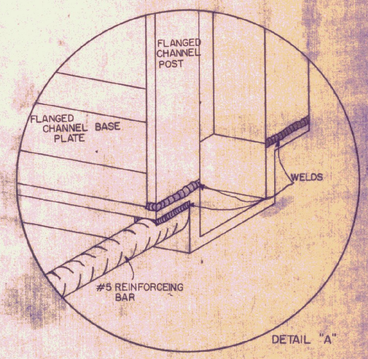
4 POSTS 6'-00" LONG INSTALLED AT LOCATIONS AND DEPTHS SHOWN AT 90° ANGLES TO THE TOP OF SLAB.

CONSTRUCTION JOINT

CONSTRUCTION JOINT IS TO BE PLACED IN MIDDLE OF SLAB AS SHOWN, TYPE OF JOINT IS OPTION OF CONTRACTOR.







DETAIL "A"

DETAIL for VERMONT MAPLAZA CONCRETE BASE & POST FRAME

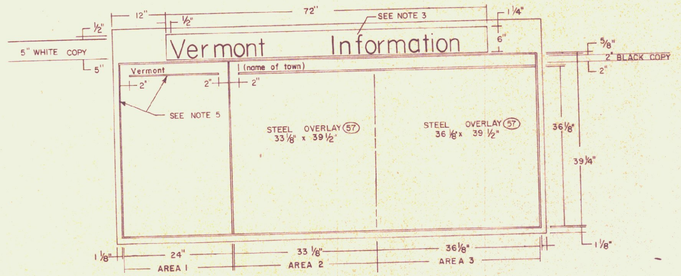
DWG. NO. T.I. 1

TRAVEL INFORMATION COUNCIL
by Roadside Development Division
Vermont Highway Department

Designed by: B.R.S. - Vt. Dept. of Highways 11/14/72
Drawn by: R.C.W. 11/16/72
Revised by:
SHEET 18 OF 21

D-8

PANEL TREATMENT
PART (13) INFORMATION PANEL - SOUTH SIDE - 1 REQ.
FOR BASIC PANEL SEE PART (13) BELOW



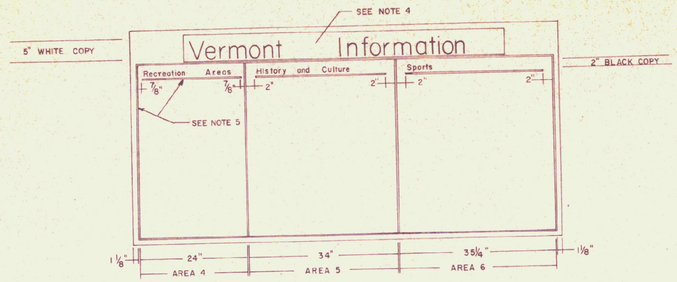
PANEL TREATMENT DETAILS:
AREA 1 - MOUNT SUPPLIED MAP 24"x36" SEE NOTE 1
AREA 2 & 3 COVER SHEET OF 26 GAUGE GALVANIZED STEEL WITH WHITE SCOTCHCAL AND MOUNT ON PANEL, USE 1 SET OF 4 - 3/8 "4 FH. HD. WD. SCR.* PER SHEET.

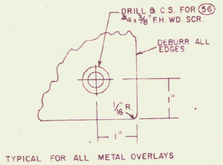
AREA 2 & 3 SUPPLY FIVE 6"x6" T.I.C. MAGNETIZED BUSINESS DIRECTIONAL SYMBOLS NO. 1 THRU 5 AS PER DETAILS SUPPLIED BY THE T.I.C.

*COVER SCREW HEADS WITH 3/4" Ø WHITE SCOTCHCAL.

NOTES
OUTLINE SECTION ON MAP IN AREA 1 COVERED BY MAP IN AREA 2 & 3 USING 1/8" PINSTRIPE OF BLACK VINYL. MAKE AND APPLY "YOU ARE HERE" ARROW TO MAP IN AREA 1 AS SPECIFIED BY THE T.I.C.
1- MOUNT USING 4-1/2" HORIZONTAL STRIPS OF TRANSFER TAPE.
2- ENTIRE 4'x8' PANEL IS COVERED WITH WHITE SCOTCHAL
3- BLACK VINYL
4- ALL COPY HELVETICA BOLD AS PER THE T.I.C. STANDARD MANUAL MADE FROM SCOTCHCAL FILM.
5- 1/8" BLACK SCOTCHCAL PINSTRIPE (typ.)

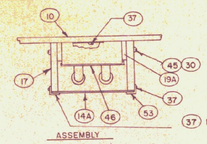
PANEL TREATMENT
PART (13) INFORMATION PANEL - NORTH SIDE - 1 REQ.
FOR BASIC PANEL SEE PART (13) BELOW





TYPICAL FOR ALL METAL OVERLAYS

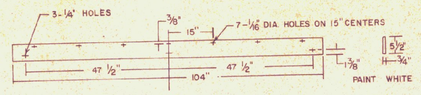
NOTES
- FOR COMMON PANEL DIMENSIONS SEE PART (13) SOUTH SIDE
- NOTES 1 THRU 5 ON PART (13) SOUTH SIDE APPLY TO THIS PANEL
- MOUNT 3 INFORMATION SHEETS SUPPLIED BY T.I.C. AS PER NOTE 1 PART (13) SOUTH SIDE.



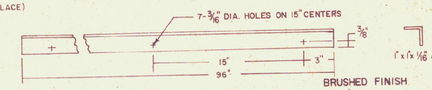
- PART (45) REPLACES SCREWS IN LIGHT FIXTURE BASE PART (46)
- USE 6 SCREWS PART (37) TO ATTACH LIGHT FIXTURE ASSY. TO ROOF PART (10)

NEW LIGHTS BULBS F 96 T 12 VHO CW

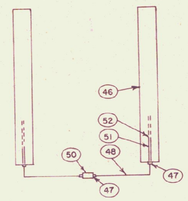
(37) 1" from end of (14A) (1 PLACE)

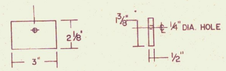


PART (17) - SIDES - 2 REQ./ASSY.



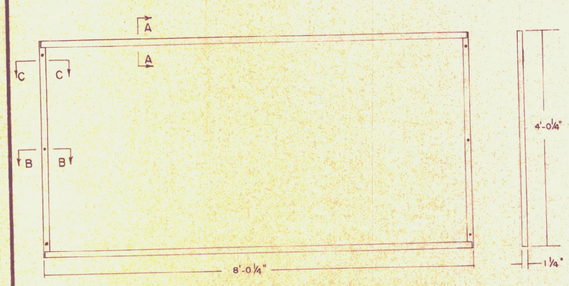
PART (53) - COVER HOLDER - 2 REQ./ASSY.


ELECTRICAL FITTINGS REQ.
FOR LOCATION OF PART (50) SEE SHEET 1

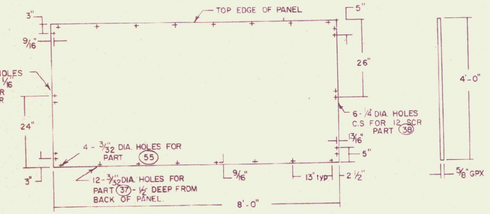

PART (19A) - SHIM - 6 REQ./ASSY.

LIGHT FIXTURE PARTS AND ASSEMBLY
- 2 ASSEMBLIES REQUIRED
- FOR LOCATION SEE SHEET 1, PART (10)

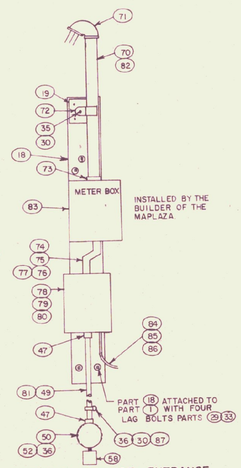
NOTE: BEFORE MAKING LIGHT BOX PARTS CHECK DIMENSIONS OF FIXTURE TO BE USED, SIZES DO VARY.



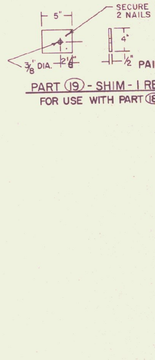
GENERAL ASSEMBLY OF INFORMATION PANELS



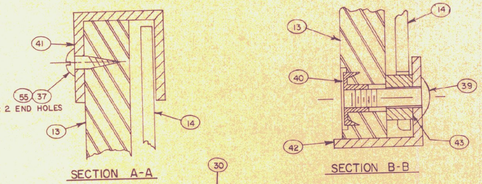
FOR TREATMENT OF PANEL FACE SEE PART (13) ABOVE
PART (13) - INFORMATION PANEL - 2 REQ.

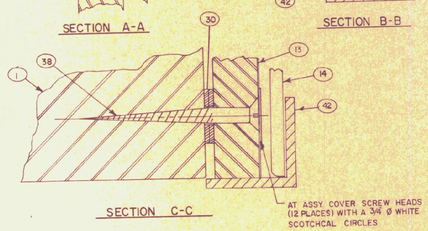


ELECTRICAL SERVICE ENTRANCE
FOR LOCATION OF PARTS (18) AND (50) SEE SHEET NO. 1
DETAIL FOR OVERHEAD POWER

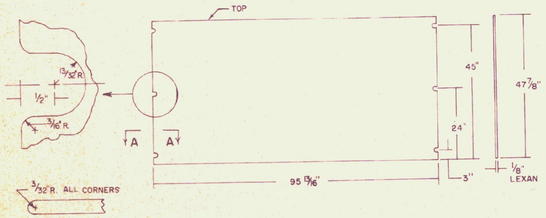


PART (19) - SHIM - 1 REQ.
FOR USE WITH PART (18)

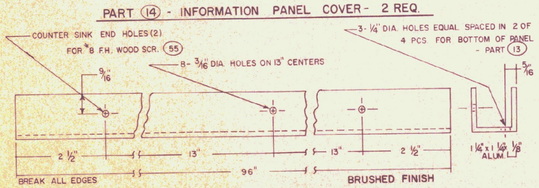




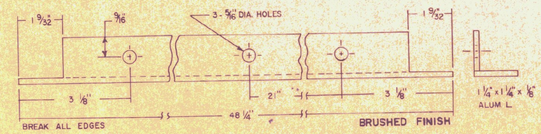
PART (54) - TRIM MOULDING - 4 REQ.



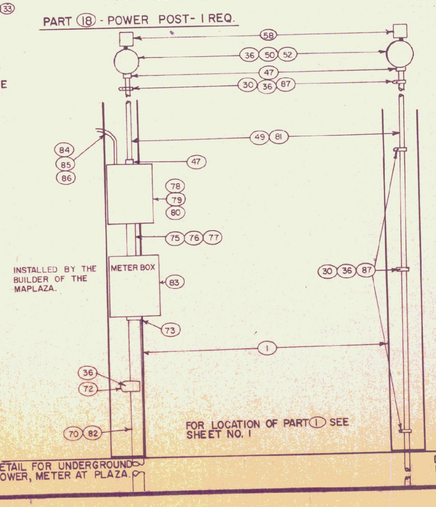
PART (14) - INFORMATION PANEL COVER - 2 REQ.



PART (41) - HORIZONTAL PANEL FRAME - 4 REQ.



PART (42) - VERTICAL PANEL FRAME - 4 REQ.



PART (18) - POWER POST - 1 REQ.

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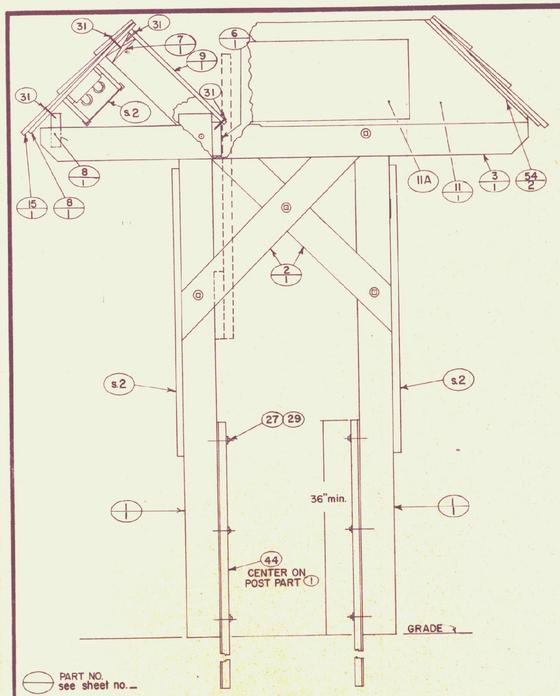
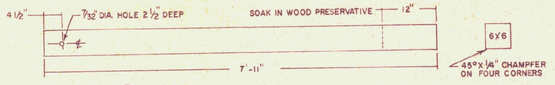
Revised by: B.R.S. - Vt Dept. of Highways 12/4/72
Drawn by: R.C.W. - 3/3/76
Sheet 19 of 21

DWG. NO. T.I.2

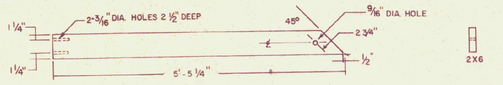
D-8



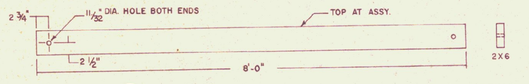
GENERAL ASSEMBLY



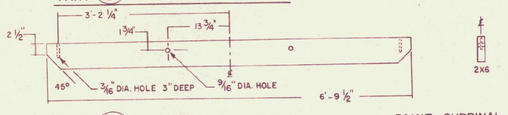
PART (1) POST 4 REQ. PAINT CUPRINAL



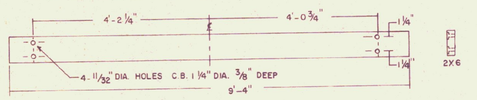
PART (2) X MEMBER 4 REQ. PAINT CUPRINAL



PART (6) SPREADER 2 REQ. PAINT CUPRINAL



PART (3) END BEAM 2 REQ. PAINT CUPRINAL



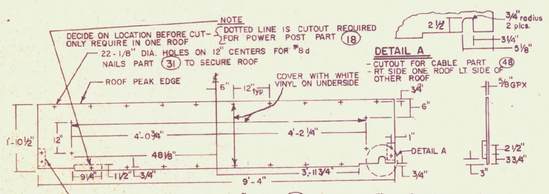
PART (7) ROOF PEAK BEAM 2 REQ. PAINT CUPRINAL

PART (8) FRONT ROOF BEAM 2 REQ. PAINT CUPRINAL

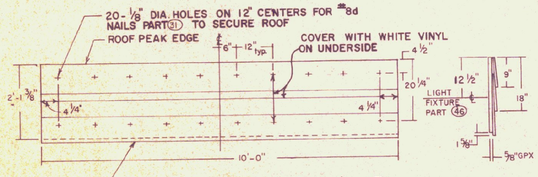
SECTION A-A

ASSEMBLY OF MAPLAZA STRUCTURE

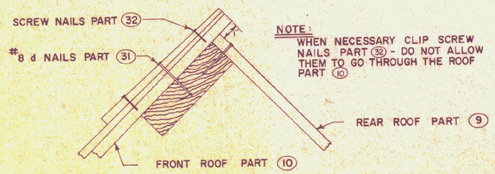
REFERENCE SEE BASIC MAPLAZA STRUCTURE



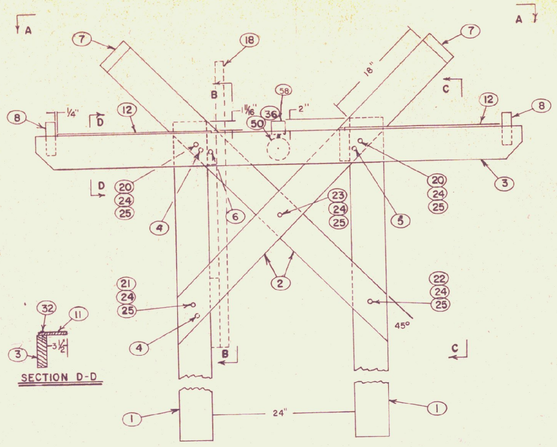
PART (9) REAR ROOF 2 REQ. (one each lt + rt. hand)



PART (10) FRONT ROOF 2 REQ.



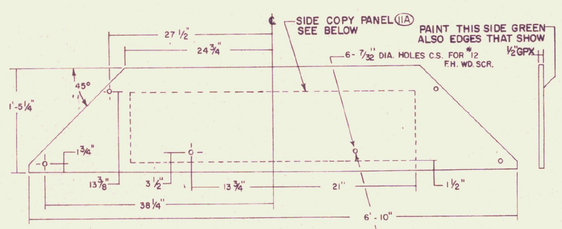
ROOF ASSEMBLY DETAIL



ASSEMBLY OF BASIC MAPLAZA STRUCTURE

2 SUB-ASSEMBLIES REQUIRED MADE UP OF PARTS (1)(2)(3)(4)(5) THESE ARE PLACED 7'-1" APART BACK TO BACK AND PARTS (5)(7)(8) ARE ATTACHED AS SHOWN IN SECTION A-A.

NOTE- PARTS (18) AND (50) ARE REQUIRED ON ONLY ONE OF THE TWO SUB-ASSEMBLIES. PART (18) DELETED FOR UNDERGROUND POWER.



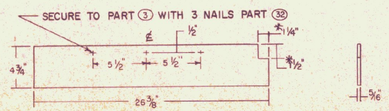
SECURE TO FRAMING WITH: 6 PARTS (34)

PART (11) SIDE PANEL 2 REQ.

PANEL MATERIAL:
BLACK SCOTCHCAL FILM

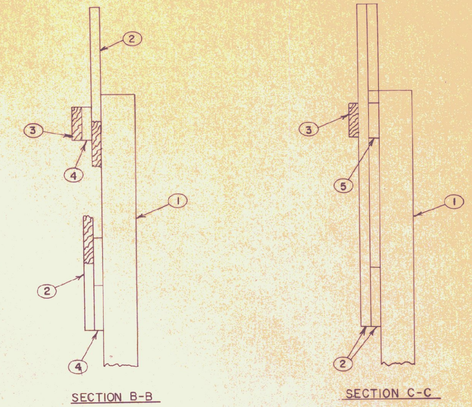
COPY:
Vermont Information, USE 5" HELVETICA BOLD "SCOTCHCAL" WHITE FILM LETTERS CENTERED ON PANEL IN TWO LINES.

SIDE COPY PANEL 2 REQ.

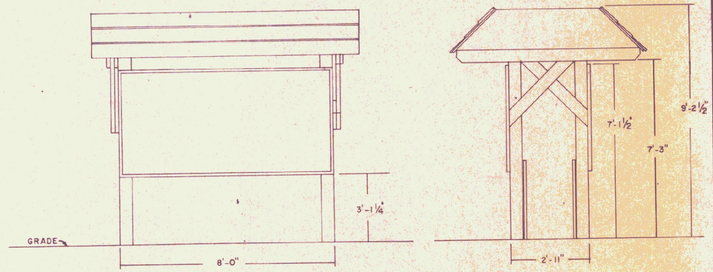


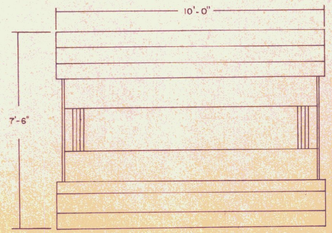
PART (12) - TRIM PANEL 4 REQ.

* ONLY REQ. ON 2 OF 4 PCS.



SHIMS USED IN ASSEMBLY OF END FRAME





DWG. NO. T.I. 3

TRAVEL INFORMATION COUNCIL
by Roadside Development Division
Vermont Highway Department

Designed by: MICALITE SIGN CORP. WESTMORELAND, N.H. 6/20/70
Revised by: B.R.S. - Vt. Dept. of Highways 12/4/72
Drawn by: R.C.W. - 3/3/76
Sheet 20 of 21

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

QUANTITY SHEET

SUMMARY OF QUANTITIES

ITEM NO.	QUANTITY	ITEMS	ITEM NO.

DETAILED SUMMARY OF QUANTITIES

ITEM NO.	QUAN.	NAME & SIZE	NOTE	Sheet No.
1	4	POST 6x6x96	1 FIR	1
2	4	'X' MEMBER 2x6x65 1/4	2 FIR	1
3	2	END BEAM 2x6x81 1/2	"	1
4	4	SHIM 2x6x15	"	1
5	2	SHIM 2x6x8	"	1
6	2	SPREADER 2x6x96	"	1
7	2	ROOF PEAK BEAM 2x6x112	"	1
8	2	FRONT ROOF BEAM 2-6x112	"	1
9	2	REAR ROOF 5/8 x 22 1 2x 112	3 PLYWOOD	1
10	2	FRONT ROOF 5/8 x 25 3/8 x120	"	1+2
11	2	SIDE PANEL 1/2 x 17 1/2 x 82	"	2
11A	2	SIDE PANEL COPY x 13 3/8 x 42	Black Scotchcal Film	"
12	4	TRIM PANEL 5/16 x 4 3/4 x 26 3/8	3 Plywood	1+2
13	2	INFORMATION PANELS 5/8 x 48x 96	"	2
14	2	INFORMATION PANEL COVER 1/8 x47 7/8x95 13/16	4 Lexan (clear)	2
14A	2	LIGHT BOX COVER 1/8 x 6 x 103	4 Lexan (translucent white)	2
15	60ft	18in CEDAR SHINGLES	#1 Grade Red Cedar	1
16	4	SPACING BLOCK 2x3x6	2 FIR	1
17	4	SIDES 3/4 x5 3/4 x 104	"	2
18	1	POWER POST 2x6x48 & 2x6x11	"	2
19	1	SHIM 1/2 x4x5	3 Plywood	2
19A	12	SHIM 1/2 x 2 1/8 x3	"	2
20	4	HEX HEAD BOLT 1/2 - 13x 11Lg	5 Plated Cad. or Zinc	1
21	2	" " " 1/2 - 13x3LG.	"	1
22	2	" " " 1/2- 13x8Lg	"	1
23	2	" " " 1/2- 13x4Lg	"	1
24	10	HEX NUT 1/2 :12	"	1
25	20	PLAIN WASHER 1 3/8 O.D. x 9/16 I.D. x 3/32	"	1
26	16	LAG SCREW 5/16 x 5Lg	"	1
27	12	" " 5/16 x 4LG.	"	1
28				
29	32	PLAIN WASHER 7/8 O.D. x 3/8 I.D. x 1/16	"	1+2
30	34	" " 5/8 O.D. x 9/32 I.Dt x 1/16	"	2
31	99	#8d COMMON NAILS	"	1+2
32	500	#2d SCREW NAILS	"	1+2
33	4	LAG SCREW 5/16 x 6 LG.	"	2
34	12	WOOD SCREW #12 x2Lg F.H.	"	2
35	9	" " #12 x 1 1/2Lg. R.H.	"	1+2
36	3	" " #10 x 1 1/2 LG. R.H.	"	1+2
37	72	" " #8 x 3/4 Lg. R.H.	"	2
38	12	" " #14 x 3 Lg. F.H.	"	2
39	12	Hex Socket Button H.D. Screw 1/4 - 20 x1or1 1/2Lg.	"	2
40	12	LONG PRONGED "T" NUT 1/4 - 20	"	2
41	4	ALUMINUM 6063T5 CHANNEL 1/4 x1 1/4 x 1/8 x 96	"	2
42	4	ALUMINUM 6063T5 Angle 1 1/4x 1 1/4x1/8x48 1.A	"	2
43	12	ALUMINUM SPACER 5/8 ODx9/32 IDx3/8 Lg.	"	2
44	4	SIGN POST STEEL 4lbs/ft. 6 ft long	Galvanized	1
45	6	FL. H.D. MACHINE SCREW 3/16 x 1 1/2Lg		
	12	WASHER 1/4 ID	Cad. Plated	2
	12	HEX NUT 3/16		
46	2	LIGHT FIXTURE/8ft. FLUORESCENT work-a-lite 196 D.G.(single bulb)		2
47	6	1/2- LIQUID TIGHT, CONNECTORS #5332 THOMAS Betts&Co		2
48	2	1/2- LIQUID TIGHT FLEXABLE CONDUIT seal tite type E-F Anaconda Metal		2
49	1	1/2- " " " or BENDABLE " " CONDUIT vary in length/ type of Electrical service		2
50	1	JUNCTION BOX 4 round Stanco 25-C		1+2
51	2pr	#14 WIRE 300V Black&White 5'-0" Lg. EA.	6 may vary	2
52	6	WIRE NUT for #12-#14 WIRE		2
53	4	ALUMINUM 6063 T5 ANGLE 1x1 1/16x96Lg.		2
54	4	TRIM MOULDING 5/16x1 1/2x24 1/2	3 Plywood ~~1/2 or 5/8~~ May be	2
55	8	WOOD SCREW #8x3/4 Lg. F.H.	5 Plated	2
56	20	WOOD SCREW #4x3/8 Lg. F.H.	5	2
57	2	STEEL OVERLAY GALVANIZED 1)33 1/8x39 1/2 2)36 1/2x39 1/2	26 Gauge	2
58	1	PHOTO CELL Tork Model 2100		1+2
70	1	1/4" CONDUIT Variable length		2
71	1	1/4" CONDUIT WEATHER HEAD		2
72	1	1/4" CONDUIT CLIP One-Hole		2
73	1	1/4" CONDUIT HUB		2
74		1" CONDUIT OFFSET NIPPLE		2
75		1" CONDUIT LOCK NUT		2
76		1" CONDUIT BUSHING		2
77		1" CONDUIT HUB		2
78		30 AMP WEATHERPROOF SWITCH		2
79	2	15 AMP CART. FUSE		2
80	2	SLAYMAKER PADLOCKS KEYS		2
81		#12 TW WIRE as required		2
82		#6 HW WIRE Approx. 12 ft as required		2
83	2	#4 SOLDERLESS LUGS		2
84		#4 GROUND WIRE 8 ft Lg.		2
85	1	#4 GROUND WIRE CLAMP		2
86	1	GROUND ROD 8 ft Lg.		2
87	4	1/2 CONDUIT CLIP One hole		2
88	1	200 AMP METER SOCKET		
89	1	6"x6" WOODPOST FOR METER SOCKET 10 ft Lg	(Creosote Packed)	
90	1	100 AMP ENTRANCE, BREAKER-TYPE SWITCH AND ENCLOSURE		
91	1	3" STEEL CONDUIT		

DETAILED SUMMARY OF QUANTITIES

ITEM NO.	QUAN.	NAME	LOCATION STA.	TO STA.	SIDE

NOTES: 1-" Fir #1 Construction Grade
2-" Fir #1 Construction Grade KILN Dried
3 High Density overlayed plywood
4 Made by General Electric
5 Cadmium or Zinc Plated
6 May Vary with Fixtures
* Dimension of #3 Fir-Engineered 4-Square Weyerhauser
6x6 = 5 1/2 x 5 1/2 } Basis for
2x6 1 1/2 x 5 1/2 }

FINISHING MATERIALS
- 2 Coats Cuprinol #75 Chestnut Brown
- Emerald Green, Sherwin-Williams Bulletin #142
- White, Benjamin Moore Impervo #133-01
- Black Vinyl Film #3675 3m. Co.
- White Scotchcal Film #3655 3m. CO.
- Black Scotchcal Film #3630 3mCo.
- Transparent Scotchcal Film #3669 3m Co.
- Transfer Tape #A05 3mCo.

OR AN EQUIVALENT AS APPROVED BY THE VT. DEPARTMENT OF HIGHWAYS

NOTE -
Part Numbers - 18, 19, 70-80, 82-86 and 88-91 are not required for this project

DETAILED SUMMARY OF QUANTITIES

ITEM NO.	QUAN.	NAME	LOCATION STA.	TO STA.	SIDE

Waterford Welcome Center
PROJ IR NO 93-1(5)
SHEET 21 OF 21
DWG NO. T.I.4