INDEX OF SHEETS

1. TITLE PAGE
2. QUANTITY SHEET
3. EARTHWORK SHEET
4. LAYOUT SHEET – N.B.
5. LAYOUT SHEET – S.B.
6. STREET LIGHTING – N.B.
7. STREET LIGHTING – S.B.
8. WATER LINE PROFILE
9-15. BUILDING PLANS
16. ELECTRICAL PLANS
17. PLUMBING PLANS – N.B.
18. PLUMBING PLANS – S.B.
19. HEATING AND VENTILATING PLANS
20. BLANK
21. C-1 BITUMINOUS CONCRETE SIDEWALK 12/8/71
22. E-1 FEDERAL AID CONSTRUCTION INDENTIFICATION SIGNS 12/14/71
23. E-2 ROAD CONSTUCTION APPROACH SIGNS 12/14/71
24. E-6 ON-PROJECT CONSTRUCTION SIGNS 12/14/71
25. E-37 CONCRETE BASES AND PULL BOXES 12/29/71
26. E-38 POLES, BASES, BRACKETS, AND LUMINAIRES 12/29/71
27. G-6a GUARD RAIL, THREE CABLE WITH LIGHT WOOD POSTS 12/8/71
28. J-2 STANDARD CONCRETE STEPS AND METAL HAND RAILING 12/14/71
29. J-5 PICNIC TABLES 12/20/71
30-32. CROSS-SECTIONS – N.B.
33-35. CROSS-SECTIONS – S.B.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

COUNTY OF FRANKLIN

INTERSTATE ROUTE 89

BURLINGTON – ST. ALBANS ROAD

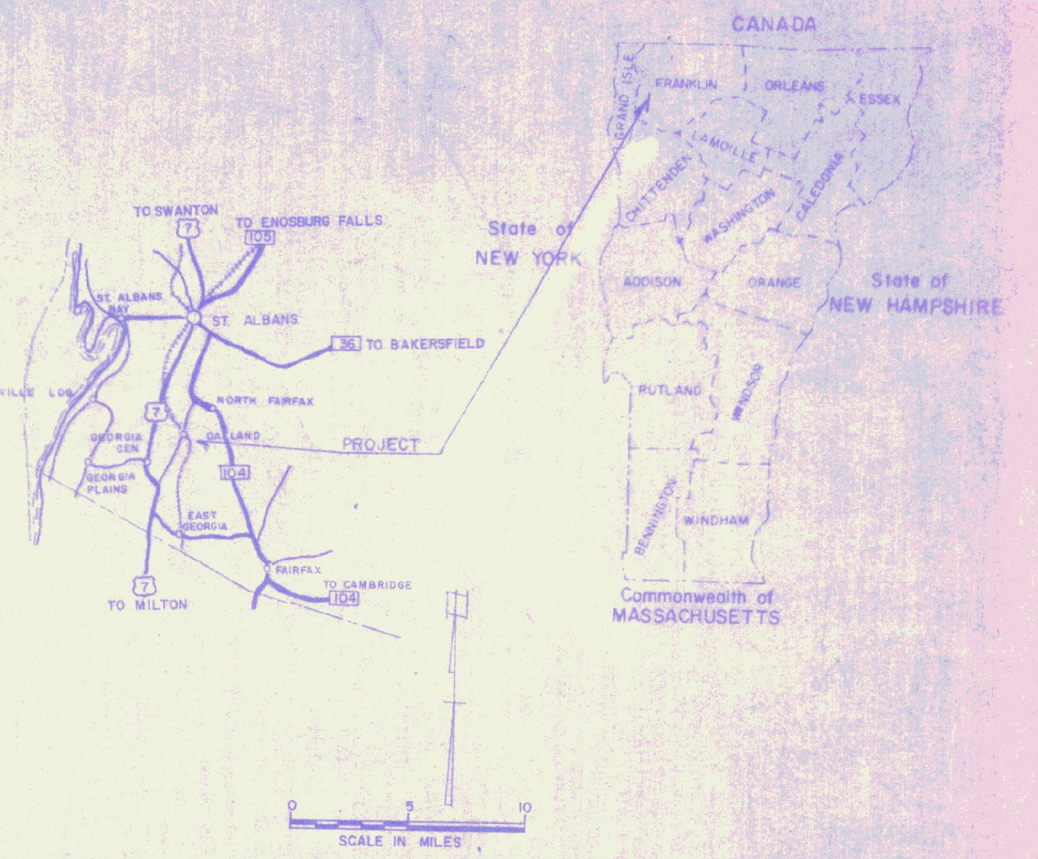
TOWNS OF GEORGIA & FAIRFAX

A – NB – BEGINNING AT A POINT 0.568 MILES SOUTHERLY OF THE GEORGIA-FAIRFAX TOWN LINE AND EXTENDING NORTHERLY 0.057 MILES.

B – SB – BEGINNING AT A POINT 0.066 MILES SOUTHERLY OF THE GEORGIA-FAIRFAX TOWN LINE AND EXTENDING NORTHERLY 0.057 MILES.

REST AREA FACILITIES

1970 ADT	5120
EST. 1975 ADT	6520
EST. 1975 D.H.V	830
D	53% N.B.
T	7%

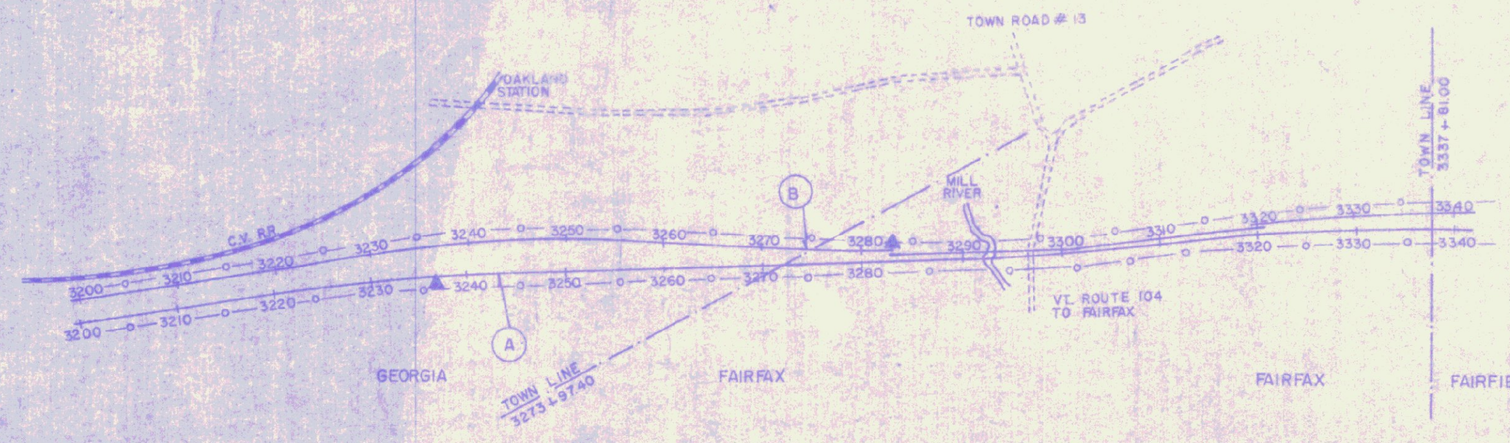


GEORGIA FAIRFAX I 89-3(50)
RECORD PLANS
MATERIALS

SUBBASE OF GRAVEL – BUCK PIT – FAIRFAX, VT.
CONCRETE CLASS B – A.G. ANDERSON – SWANTON, VT.
REINFORCING STEEL – VERMONT STRUCTURAL STEEL CORP. – BURLINGTON, VT.
HAND RAILING – VERMONT STRUCTURAL STEEL CORP. – BURLINGTON, VT.
PERFORATED BITUMINOUS FIBER UNDERDRAIN – T.W. TAPLIN – NEWPORT, VT.
THREE CABLE GUARD RAIL, SEED & FERTILIZER – GRISWOLD FENCE CO. – WILLISTON, VT.
SEAMLESS COPPER WATER TUBE – HALSTEAD INDUSTRIES INC. – ZELIENOPLE, PA.
CAST IRON SOIL PIPE – CHARLOTTE PIPE & FOUNDRY – CHARLOTTE, N.C.
STREET LIGHTING – BATES & MURRAY – BARRE, VT.
TREES & SHRUBS – DAVID YOUNG – IRASBURG, VT.

CONTRACTOR – A. JOYAL, INC. – DERBY LINE, VT.
RESIDENT ENGINEER – WILLIAM C. REICHELT
RECORD PLANS – A.G. SPIDLE

CONTRACT
DATED – AUGUST 21, 1972.
STARTED – AUGUST 17, 1972.
COMPLETED – MARCH 13, 1974.
ACCEPTED – MARCH 13, 1974.



NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND IN EITHER THE FIELD BOOKS OR THE ESTIMATE.

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 3, 1972, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, DECEMBER 28, 1971, FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED _____ DATE _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ENGINEER

PROJECT I № 89-3(50)
GEORGIA – FAIRFAX
SHEET OF SHEETS

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
E-1 CONSTRUCTION SIGNS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

GEORGIA FAIRFAX I 89-3(50)
CONTRACTOR – A. JOYAL, INC. – DERBY LINE, VT.
RESIDENT ENGINEER – WILLIAM C. REICHELT
RECORD PLANS – A.G. SPIDLE
CONTRACT DATED AUGUST 21, 1972
STARTED AUGUST 17, 1972
COMPLETED MARCH 13, 1974
ACCEPTED MARCH 13, 1974

DRAINAGE AND ITEM QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

PROJECT I NO. 89-3(50)

APPROXIMATE SUMMARY OF QUANTITIES

[illegible]	[illegible]	BOARD TOTAL	UNIT	ITEM	BOUND	ITEM NO.
		1	LS	Clearing & Grubbing		201.10
		4700	CY	Unclassified Excavation	21	203.17
		12,100	CY	Earth Borrow	34	203.40
		500	CY	Granular Borrow, Est.		203.32
		900	CY	Trench Excavation of Earth	2	204.20
		50	CY	Trench Excavation of Rock, Est.		204.21
		150	CY	Structure Excavation	2	204.25
		200	CY	Granular Backfill for Structures	3	204.99
		90	CY	Sub-Base of Gravel	3	301.15
		3108	CY/MI	Overhaul		306.10
		60	CY	Stripping of Pits	3	307.10
		3.5	CY	Concrete, Class B	0.4	501.25
		137	LBS	Reinforcing Steel		507.15
		150	LF	6" Cast Iron Soil Pipe, Extra Heavy		601.914
		1800	LF	4" Perf. Bit. Fiber Underdrain	22	605.505
		90	HR	Bulldozer Rental, Est.		606.10
		40	LF	Metal Hand Railing	8	617.10
		57	TON	Bit. Conc. Sidewalk	0.5	618.15
		140	LB	Seed	13	651.10
		1100	LB	Fertilizer	46	651.15
		4.5	TON	Agricultural Limestone	0.3	651.20
		9.5	TON	Hay Mulch	0.3	651.29
		575	CY	Topsoil	8	653.19
		40	EA	Arborra Juniper (18"-24") (B & B) (Juniperus Horizontalis Plumosa)		655.204
		70	EA	Rockspray (1 1/2"-2") (B & B) (Cotoneaster Horizontalis)		655.216
		30	EA	Deutzia Gracillis (1 1/2"-2") (B & B)		655.218
		4	EA	Japanese Flowering Quince (1 1/2"-2") (B & B) (Chaenomeles Lactoneria)		655.222
	1	EA		Cockspur Hawthorn (C1-6") (B & B) (Crataegus Crus-galli)		655.314
	3	EA		Siberian Crab (8"-9") (B & B) (Malus Baccata)		655.316
	1	EA		European Mountain Ash (6"-8") (B & B) (Sorbus Aucuparia)		655.317
	1	EA		Japanese Tree Lilac (8"-9") (B & B) (Syringa Amurensis Japonica)		655.318
	1	EA		American Beech (2 1/2"-3") (B & B) (Fagus Pennsylvanica Lancaolata)		655.319
	1	EA		Vermont Red Oak (Quercus Borealis Rubra) 2 1/2"-3" (BBB)		655.352
	1	EA		American Yellowwood (2 1/2"-3") (B & B) (Cladrastris Lutea)		655.353
	1	EA		Littleleaf Linden (2 1/2"-3") (B & B) (Tilia Cordata)		655.356
	1	EA		Pin Oak (2 1/2"-3") (B & B) (Quercus Palustris)		655.357
	1	EA		Ginkgo (2 1/2"-3") (B & B) (Ginkgo Biloba)		655.358
	28	EA		Transplanting Deciduous Trees		655.75
	14	EA		Picnic Table		657.10
	1	LS		Roadside Rest Facility Building	NB	658.10
	1	LS		Septic Tank (29'-10"x 6'8")	NB	658.20
	1	LS		Septic Tank (29'-10"x 6'8")	SB	658.20
	3	EA		Sewage Distribution Box	NB	658.25
	3	EA		Sewage Distribution Box	SB	658.25
	1	LS		Street Lighting	NB	679.15
	1	LS		Street Lighting	SB	679.15
	1	LS		Sewage Pumping System	NB	659.30
	13.5	TON		Bit Conc. Curb		616.30
	1556	LF		Removal and Disposal of Exist Guard Rail, Est.		202.40
	488	LF		Guard Rail, Three Cable W/ Light Wood Posts		621.22
	4	EA		Anchor for Three Cable Guard Rail W/ Light Wood Posts		621.66
	130	LF		3/4" Seamless Copper Water Tube		629.36
	30	LF		Sleeve for Water Pipe		629.96
	110	CY		Sand Borrow		203.31

DETAILED SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM
		ROCK EXCAVATION OF EARTH
356	CY	NB Rest Area
445	CY	SB Rest Area
97	CY	Gales Water Line
2	CY	Rounding
900	CY	Total
		STRUCTURE EXCAVATION
76	CY	NB Rest Area
72	CY	SB Rest Area
2	CY	Rounding
150	CY	Total
		GRANULAR BACKFILL FOR STRUCTURES
76	CY	NB Rest Area
121	CY	SB Rest Area
3	CY	Rounding
200	CY	Total
		SUB-BASE OF GRAVEL
52	CY	NB Rest Area
35	CY	SB Rest Area
3	CY	Rounding
90	CY	Total
		6" CAST IRON SOIL PIPE, EXTRA HEAVY
57	LF	NB Rest Area
72	LF	SB Rest Area
21	LF	Rounding
150	LF	Total
		4" PERF. BIT. FIBER UNDERDRAIN
668	LF	NB Rest Area
1090	LF	SB Rest Area
22	LF	Rounding
1800	LF	Total
		BITUMINOUS CONCRETE SIDEWALK
33.1	TON	NB Rest Area
23.9	TON	SB Rest Area
0.5	TON	Rounding
57.9	TON	Total
		SAND BORROW
56	CY	N.B. Rest Area
35	CY	S.B. Rest Area
9	CY	Rounding
110	CY	Total

DRAINAGE STRUCTURES

STA	[illegible]	TYPE IN	TYPE OUT	TRENCH EXCAV EARTH	TRENCH EXCAV ROCK	RELAY PIPE	ASKEW LT.	ASKEW RT.	DITCHES IN	DITCHES OUT	REMARKS

TYPE OF CONSTRUCTION

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS	EQUATIONS +	EQUATIONS −	REMARKS

LENGTH OF PROJECT

STA	STA	FEET	MILES	REMARKS

GEORGIA - FAIRFAX PROJECT NO. [illegible]

SHEET 2 OF 35

EARTHWORK

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	GRADES CORR. V.C.	GRADES DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
				NORTHBOUND REST AREA										
		5+25									0			
		+50				25						135		
		6+00					0				292		C	4679
		+50				50		457				305	F	545
		7+00					494				37		EXC	3998
		+50						1306				49		
		8+00					917				16			
		+50						1511				18		
		9+00					715				3			
		+50						1017				20		
		10+00					383				19			
		+50				50		373				18		
		11+00					20				0			
		+20				20		15						
							20							
							BUTT							
				SOUTHBOUND REST AREA										
		3+75									0			
		4+00				25						750		
		+50									1619			
		5+00				50						3007		
		+50									1628			
		6+00										2751	F	12835
		+50									1342		EXF	16044
		7+00										2459		
		+50									1314			
		8+00										2082		
		+50									935			
		9+00				50						1479		
		+50									662			
		10+00				25						307		
		+75									0			

CARRIED FORWARD
COLUMN FOOTINGS 4679 13380

EARTHWORK

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V. CURVES	GRADES CORR. V.C.	GRADES DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	AREA	CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.

CARRIED FORWARD
COLUMN FOOTINGS

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

SUMMARY OF BALANCES

STATION TO STATION		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL	BASE CUBIC YARDS
NB 5+00	NB 8+00	4679		545	3998		3998		
SB 3+75	SB 6+75	0		12835		16044		12046	

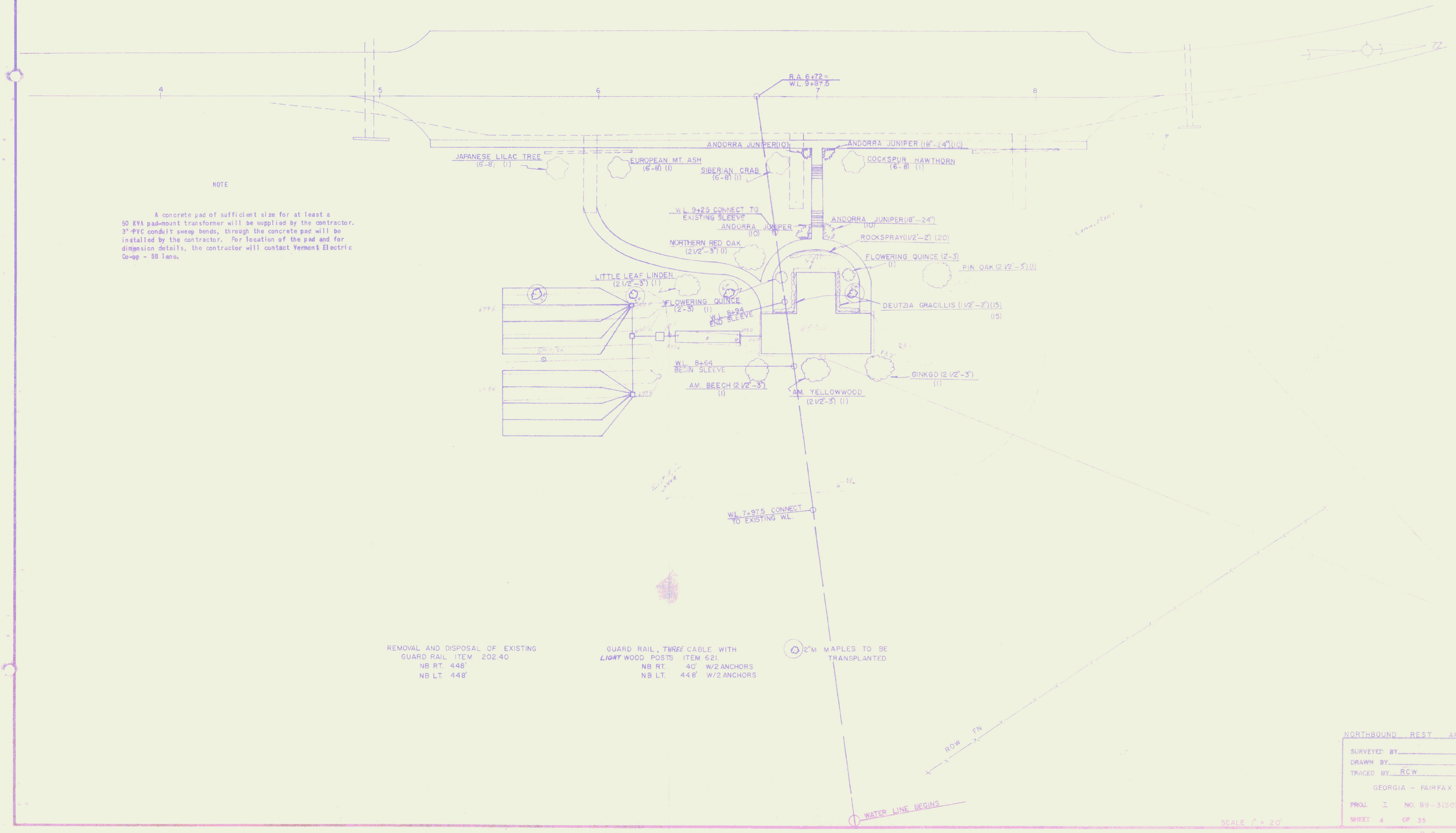
SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS		BASE CUBIC YARDS

REMARKS

EARTH AND ROCK EXCAVATION	4679
SOLID ROCK EXCAVATION	
EARTH EXCAVATION	
PLANIMETERED FILL	13380
LESS FACTORED SOLID ROCK	
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	13380
FACTOR	1.25
PLANIMETERED FILL INCLUDING FACTOR	16725
MATERIALS AVAILABLE FOR FILLS	4679
EARTH EXCAVATION	
CHANNEL EXCAVATION	
UNDERDRAIN EXCAVATION	
STRUCTURE EXCAVATION	
TOTAL MATERIAL AVAILABLE FOR FILL	4679
TOTAL FILL INCLUDING FACTOR	16725
TOTAL MATERIAL FOR FILL	
BORROW	12046

PROJECT GEORGIA - FAIRFAX

PROJECT I NO. 89-3(50)
SHEET 3 OF 35 SHEETS



NOTE

A concrete pad of sufficient size for at least a 50 KVA pad-mount transformer will be supplied by the contractor. 3" PVC conduit sweep bends, through the concrete pad will be installed by the contractor. For location of the pad and for dimension details, the contractor will contact Vermont Electric Co-op - SB lane.

REMOVAL AND DISPOSAL OF EXISTING GUARD RAIL ITEM 202.40
NB RT. 448'
NB LT. 448'

GUARD RAIL, *THREE* CABLE WITH *LIGHT* WOOD POSTS ITEM 621
NB RT. 40' W/2 ANCHORS
NB LT. 448' W/2 ANCHORS

2"M MAPLES TO BE TRANSPLANTED

SCALE 1" = 20'

NORTHBOUND REST AREA

SURVEYED BY _____ DATE _____
DRAWN BY _____ DATE _____
TRACED BY RCW DATE 12/20/71

GEORGIA – FAIRFAX

PROJ. I NO. 89-3(50)
SHEET 4 OF 35

D-7

SOUTHBOUND REST AREA

SURVEYED BY		DATE
DRAWN BY		DATE
TRACED BY	RCW	DATE 12/20/71

GEORGIA — FAIRFAX

PROJ. I NO. 89-350

SHEET 5 OF 35

SCALE 1"=20'

SB REST AREA

1— SUGAR MAPLE(10-12) —25 EA.(TRANSPLANT)
2 — SIBERIAN CRAB(6-8)— 2 EA.
3— JAPANESE FLOWERING QUINCE — 2 EA.
4 — ANDORRA JUNIPER —40EA
5 — ROCKSPRAY —5OEA

REMOVAL AND DISPOSAL OF EXISTING GUARD RAIL ITEM 202.40
SB Rt 350'
SB Lt 350'

2"M EXISTING MAPLES TO BE TRANSPLANTED

GEORGIA
FAIRFAX

TOWN LINE

TOWN LINE

BM #147B
ELEV 6310B
CH ⊟ 20CY BO

UNDERGROUND TELEPHONE CABLE

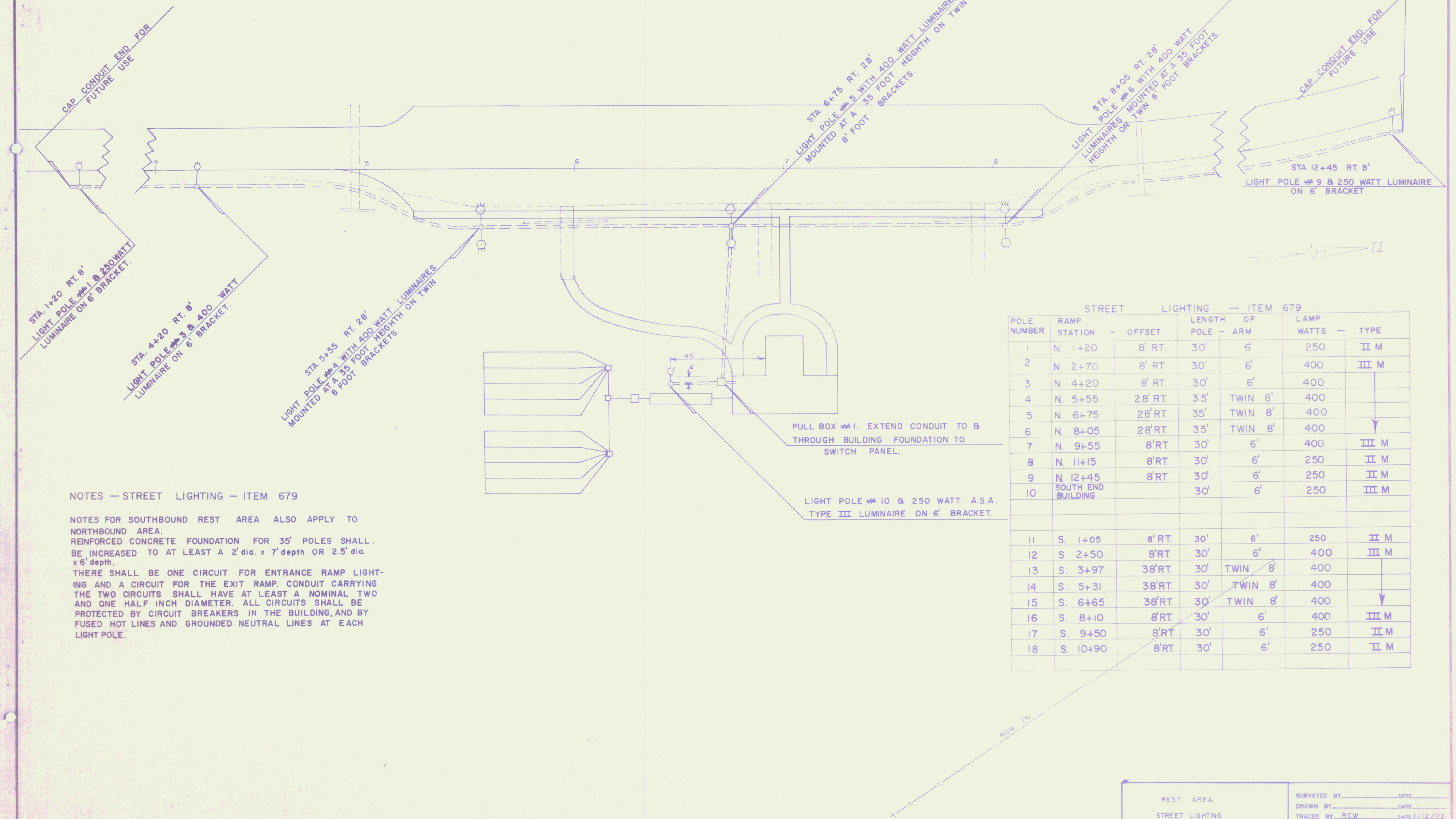
ROW FN

ROW FN

Monument

NOTES

A concrete pad of sufficient size for at least a 50 KVA pad-mount transformer will be supplied by the contractor. 2 1/2" steel conduit sweep bends, thru the concrete pad will be installed by the contractor.



STREET LIGHTING — ITEM 679

POLE NUMBER	RAMP STATION — OFFSET		LENGTH OF POLE — ARM		LAMP WATTS — TYPE	
1	N. 1+20	8' RT.	30'	6'	250	II M
2	N. 2+70	8' RT.	30'	6'	400	III M
3	N. 4+20	8' RT.	30'	6'	400	
4	N. 5+55	28' RT.	35'	TWIN 8'	400	
5	N. 6+75	28' RT.	35'	TWIN 8'	400	
6	N. 8+05	28' RT.	35'	TWIN 8'	400	
7	N. 9+55	8' RT.	30'	6'	400	III M
8	N. 11+15	8' RT.	30'	6'	250	II M
9	N. 12+45	8' RT.	30'	6'	250	II M
10	SOUTH END BUILDING		30'	6'	250	III M
11	S. 1+05	8' RT.	30'	6'	250	II M
12	S. 2+50	8' RT.	30'	6'	400	III M
13	S. 3+97	38' RT.	30'	TWIN 8'	400	
14	S. 5+31	38' RT.	30'	TWIN 8'	400	
15	S. 6+65	38' RT.	30'	TWIN 8'	400	
16	S. 8+10	8' RT.	30'	6'	400	III M
17	S. 9+50	8' RT.	30'	6'	250	II M
18	S. 10+90	8' RT.	30'	6'	250	II M

NOTES — STREET LIGHTING — ITEM 679

NOTES FOR SOUTHBOUND REST AREA ALSO APPLY TO NORTHBOUND AREA.

REINFORCED CONCRETE FOUNDATION FOR 35' POLES SHALL BE INCREASED TO AT LEAST A 2' dia. x 7' depth OR 2.5' dia. x 6' depth.

THERE SHALL BE ONE CIRCUIT FOR ENTRANCE RAMP LIGHTING AND A CIRCUIT FOR THE EXIT RAMP. CONDUIT CARRYING THE TWO CIRCUITS SHALL HAVE AT LEAST A NOMINAL TWO AND ONE HALF INCH DIAMETER. ALL CIRCUITS SHALL BE PROTECTED BY CIRCUIT BREAKERS IN THE BUILDING, AND BY FUSED HOT LINES AND GROUNDED NEUTRAL LINES AT EACH LIGHT POLE.

REST AREA

STREET LIGHTING

ITEM 679

SCALE 1"=20'

SURVEYED BY _____ DATE _____

DRAWN BY _____ DATE _____

TRACED BY RCW DATE 1/12/72

GEORGIA — FAIRFAX

PROJ. I NO. 89-3(50)

SHEET 6 OF 35

D-7

CAP CONDUIT END FOR FUTURE USE.

STA. 10+90 RT. 8'
LIGHT POLE # 18 & 250 WATT LUMINAIRE ON 6' BRACKET.

STA. 9+50 RT. 8'
LIGHT POLE # 17 & 250 WATT LUMINAIRE ON 6' BRACKET.

STA. 8+10 RT. 8'
LIGHT POLE # 16 & 400 WATT LUMINAIRE ON 6' BRACKET.

STA. 6+65 RT. 38'
LIGHT POLE # 15 & 400 WATT LUMINAIRES ON TWIN 8' FOOT BRACKETS 180° APART.

Monument

PULL BOX # 3
FUTURE AREA LIGHT CONNECTION.

STA. 5+31 RT. 38'
LIGHT POLE # 14 & 400 WATT LUMINAIRES ON TWIN 8' BRACKETS.

PULL BOX # 2
EXTEND CONDUIT TO & THROUGH BUILDING FOUNDATION TO SWITCH PANEL.

STA. 3+97 RT. 38'
LIGHT POLE # 13 & 400 WATT LUMINAIRES ON TWIN 8' BRACKETS.

STA. 2+50 RT. 8'
LIGHT POLE # 12 & 400 WATT LUMINAIRE ON 6' BRACKET.

STA. 1+05 RT. 8'
LIGHT POLE # 11 & 250 WATT LUMINAIRE ON 6' BRACKET.

CAP CONDUIT END FOR FUTURE USE.

BM # 1478
ELEV. 631.08
CHISEL CUT SQ

GEORGIA
FAIRFAX
TOWN LINE

ROW
FN

UNDERGROUND TELEPHONE CABLE

NOTES - STREET LIGHTING - ITEM 679

All materials and construction shall conform with current Vermont Department of Highways' Standard Specifications, and the American Standards Association's standard practice for roadway lighting.

Light poles, brackets, and pole bases shall be aluminum or stainless steel. Poles are to be tapered. Brackets are to be a single elliptical tube or a round tube truss design as shown on standard sheet E-38.

Pole bases are to be either a frangible cast flange base, aluminum alloy 356-T6, of an accepted breakaway design, or a stainless steel slip joint type of a tested and accepted design. Cast aluminum bases shall be attached to the shaft by two continuous welds or by bonding with epoxy resin. When epoxy resin is used the aluminum shaft slip fits over the base to overlap a full 12 inches.

All luminaires on this Project are to be mounted on brackets of indicated lengths and 30 feet above the pavement unless indicated otherwise.

All luminaires shall be mercury vapor street lighting units with photoelectric control. All 400 watt units shall be A.S.A. Type III medium semi-cutoff unless indicated otherwise. All 250 watt units shall be A.S.A., Type II medium semi-cutoff unless indicated otherwise.

Conduit for direct burial shall be hot-dip galvanized steel, Schedule 40 of at least a nominal two-inch size.

Unsupported wire in a street lighting pole shall be a stranded wire not smaller than #10 AWG. Wire size for underground construction shall not be smaller than #6 AWG copper. Aluminum wire of a size having equivalent or greater electrical carrying capacity and meeting the approval of the local utility company may be substituted for copper wire.

The new street lighting circuit shall be a single phase 120-240 volt, 3-wire distribution system. The neutral wire shall be bonded to the ground wire at each luminaire pole base.

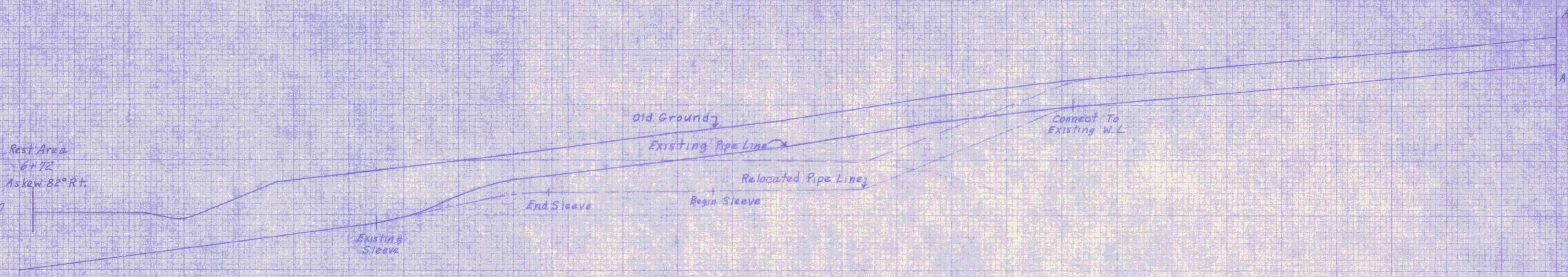
REST AREA
STREET LIGHTING ITEM 679

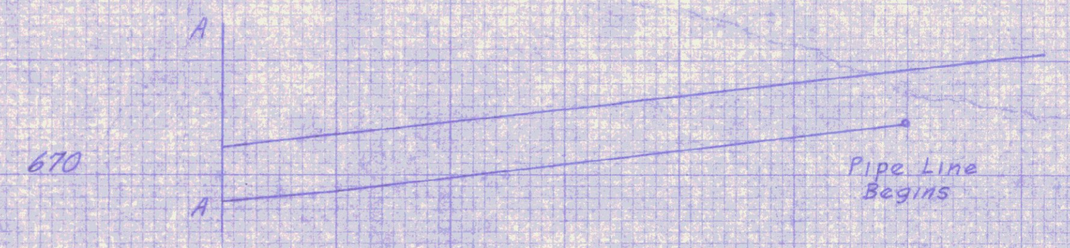
SURVEYED BY
DRAWN BY
TRACED BY ROW DATE 12/20/71
GEORGIA — FAIRFAX

PROJ. NO. 89-3501

SCALE 1"=20'

SOUTHBOUND REST AREA





Georgia — Fairfax
I 89-3(50)
N.B. Rest Area
Gate's Water Line
Scale 1" = 10' H & V
Sheet 8 of 35

KEUFFEL & ESSER CO. MADE IN U.S.A.

KEUFFEL & ESSER CO.
MADE IN U.S.A.

ROADSIDE REST FACILITIES

PLAN

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT FAIRFAX NO. I 89-3(50)
GEORGIA-

SCALE: 1/2"=1'-0" SHEET 9 OF 35

2

PORTICO

PORTICO

RAMP DOWN

RAMP DOWN

RAMP UP WITH 3'-0" RADIUS TO MEET THRESHOLD.

RAMP UP WITH 3'-0" RADIUS TO MEET THRESHOLD.

LOBBY

BENCHES

ASH RECEPTACLES

PHOTO MURALS

DESK
(to be furnished by others)

CONCRETE FLOOR TO HERE

BULLETIN BOARD

WOMEN

MEN

UTILITY

TEL. BOOTH
BY UTILITY

TOWEL RECEPTORS

PLAS. LAMINATE

PLAS. LAMINATE

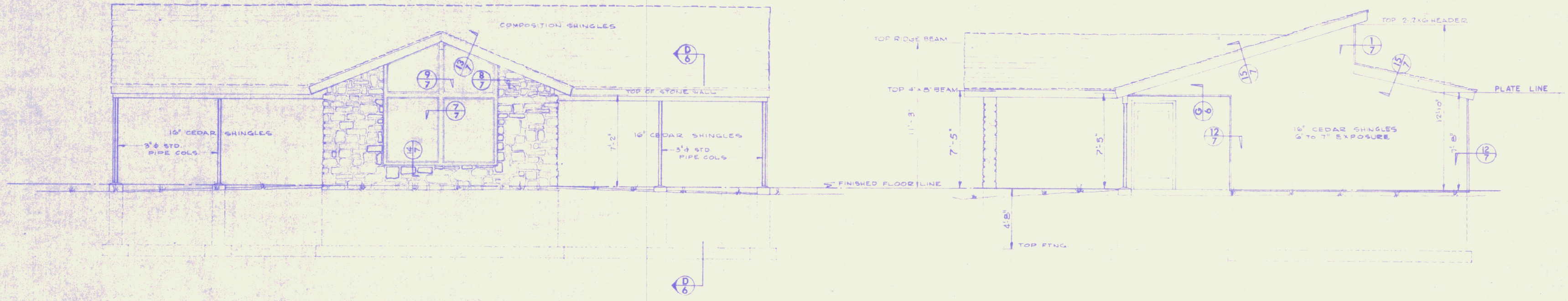
PLAS. LAM.

PLAS. LAM.

GRAB BARS

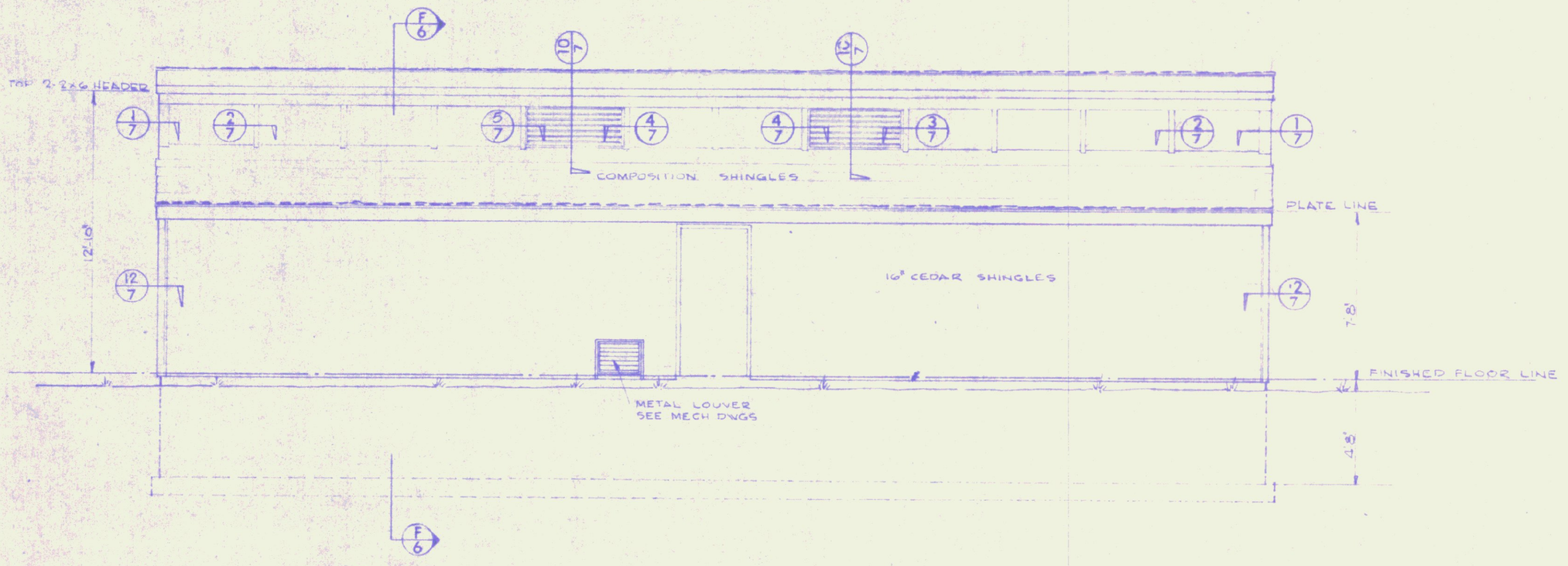
GRAB BARS

NOTE:
THIS SECTION NOT TO SCALE



FRONT ELEVATION

SIDE ELEVATION



REAR ELEVATION

ROADSIDE REST FACILITIES

ELEVATIONS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT GEORGIA – FAIRFAX Nº I 89-3(50)

SCALE: 1/4"=1'-0" | SHEET 10 OF 35

3

ROADSIDE REST FACILITIES

LONGITUDINAL SECTION & INTERIOR ELEV'S.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

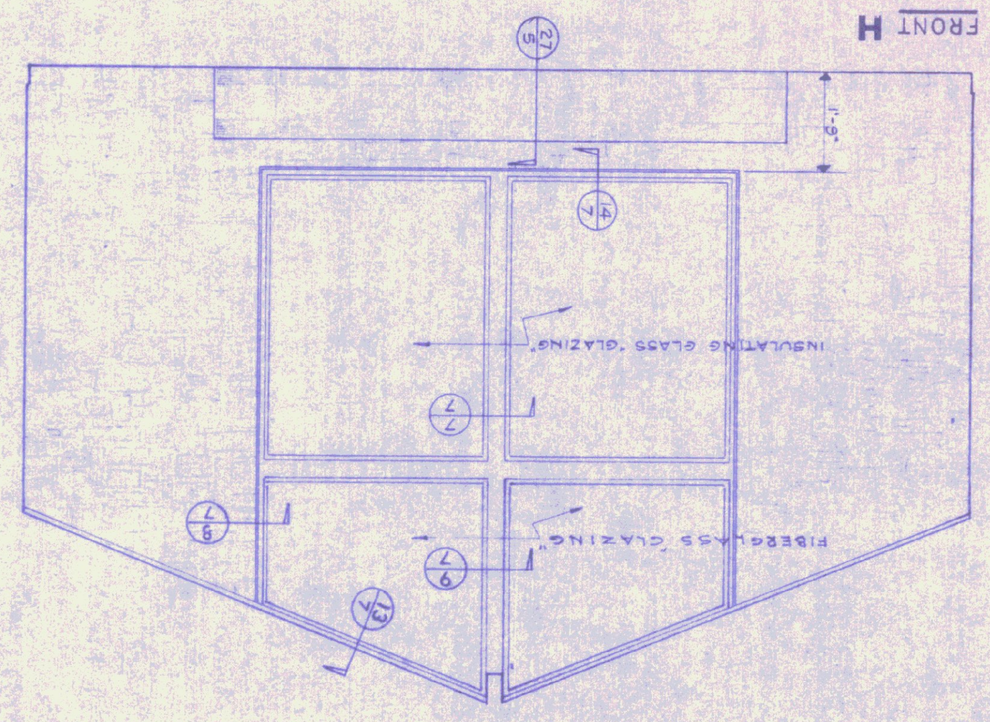
PROJECT Geo-Fair NS I 89-3(50)

SCALE: 1/2"=1'-0" SHEET 11 OF 35

4

LOBBY ELEVATIONS

FRONT H



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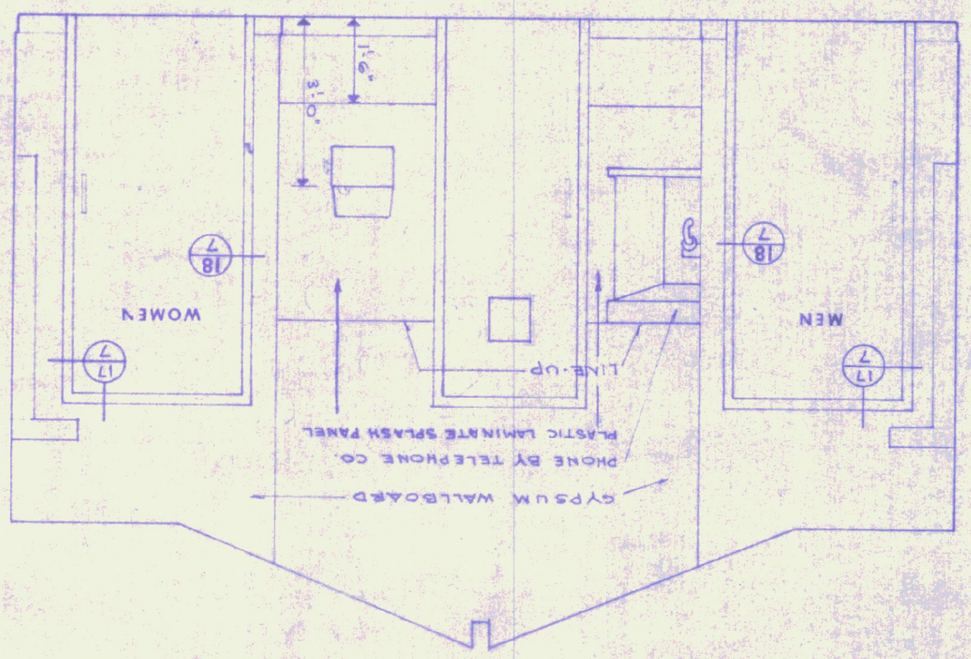
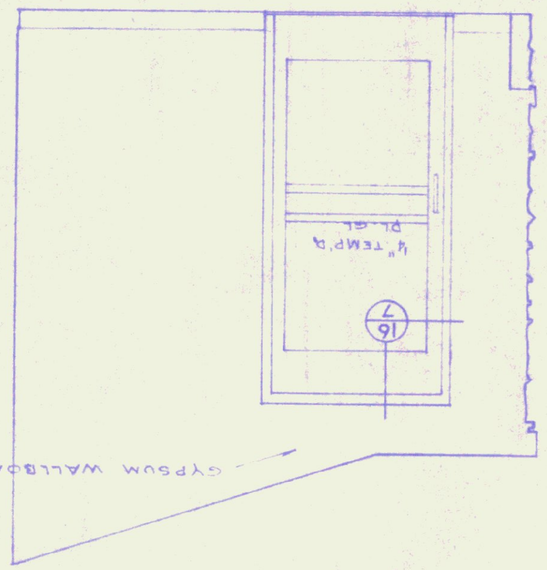
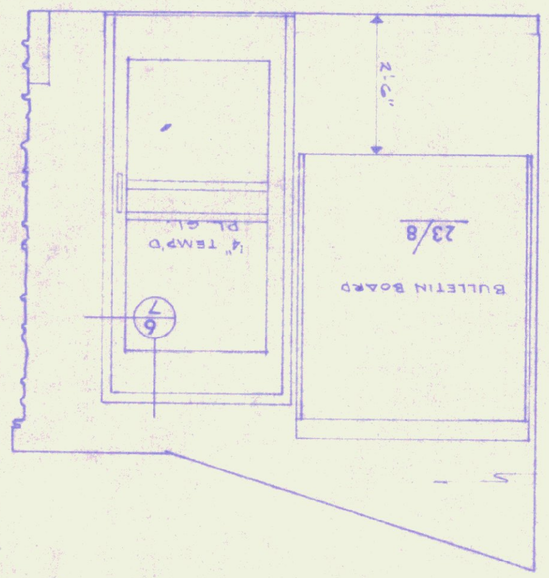


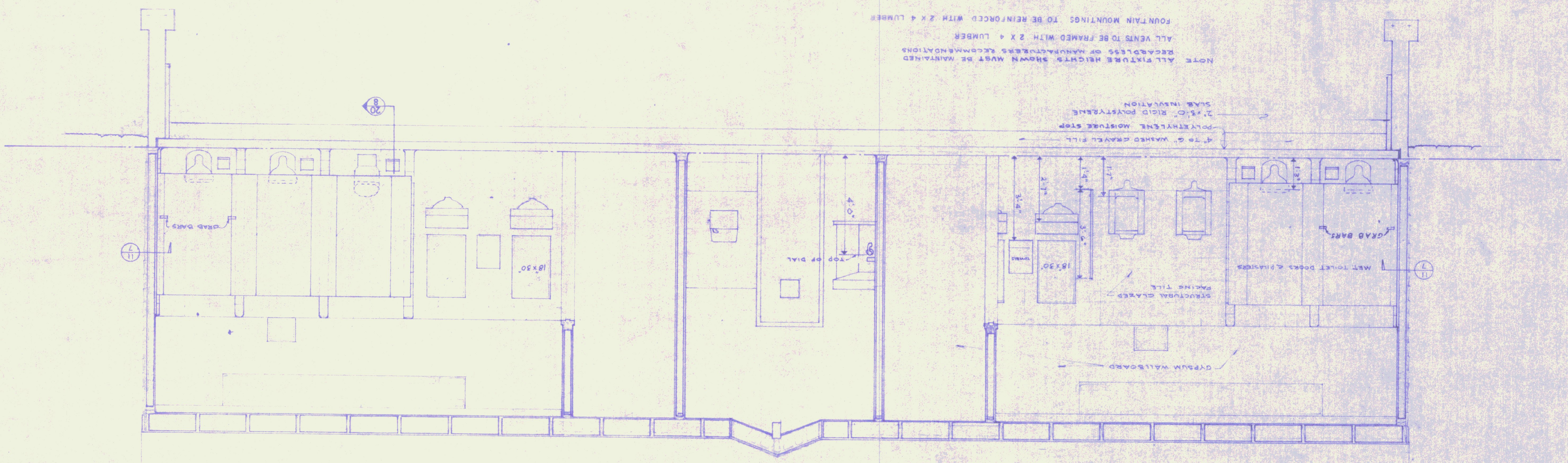
LEFT K



RIGHT L



SECTION A-A



ROADSIDE REST FACILITIES

TRANSVERSE SECTIONS, INTERIOR ELEVATIONS AND DETAILS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

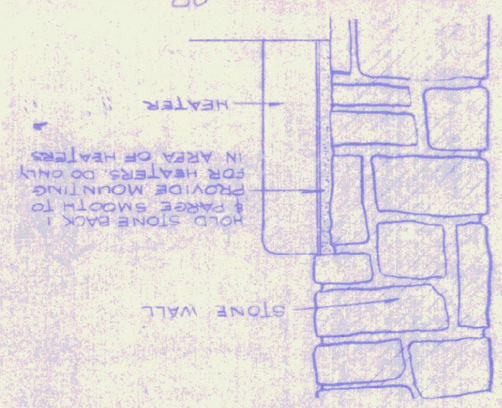
GEORGIA – PROJECT FAIRFAX N° I 89-3(50)

SCALE: AS SHOWN | SHEET 12 OF 35

5

HEATER ACCESS 27

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



USED TOWEL RECEPTORS 24

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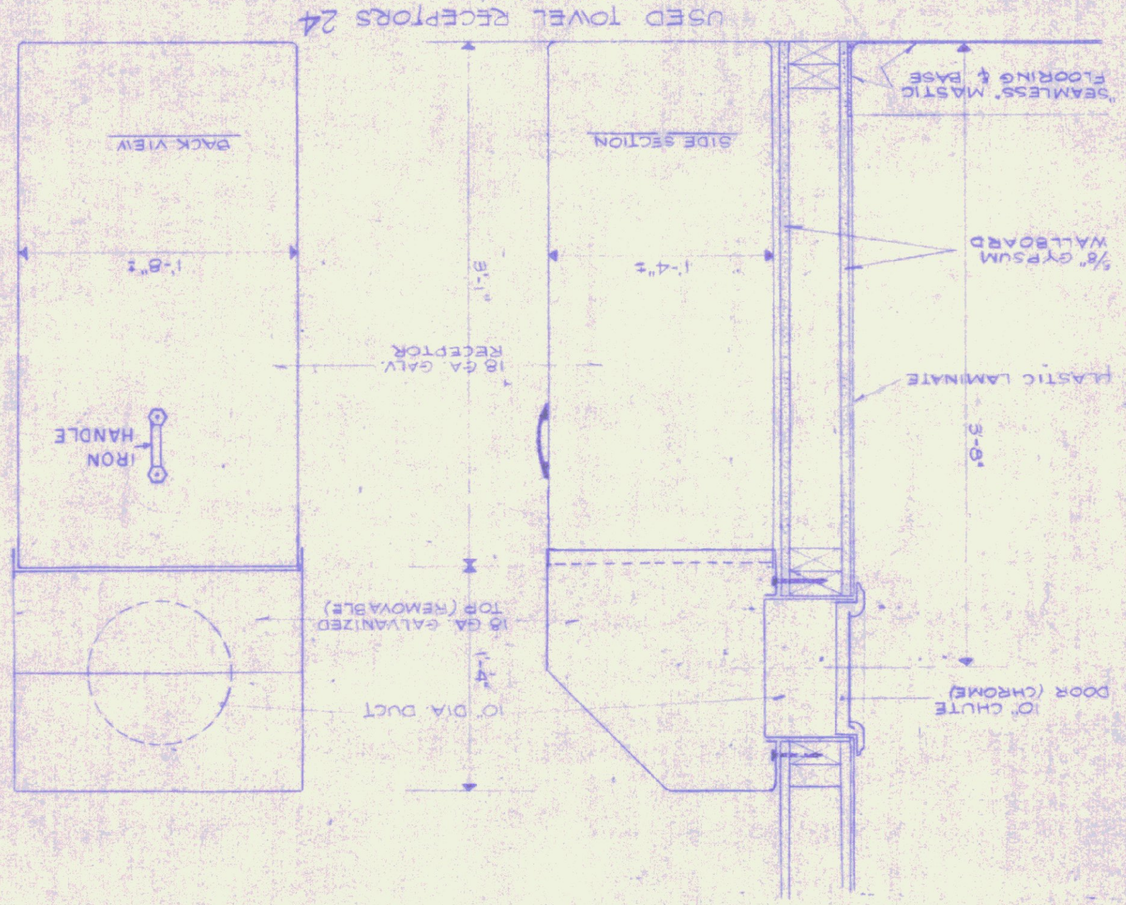

INTERIOR ELEVATIONS M N

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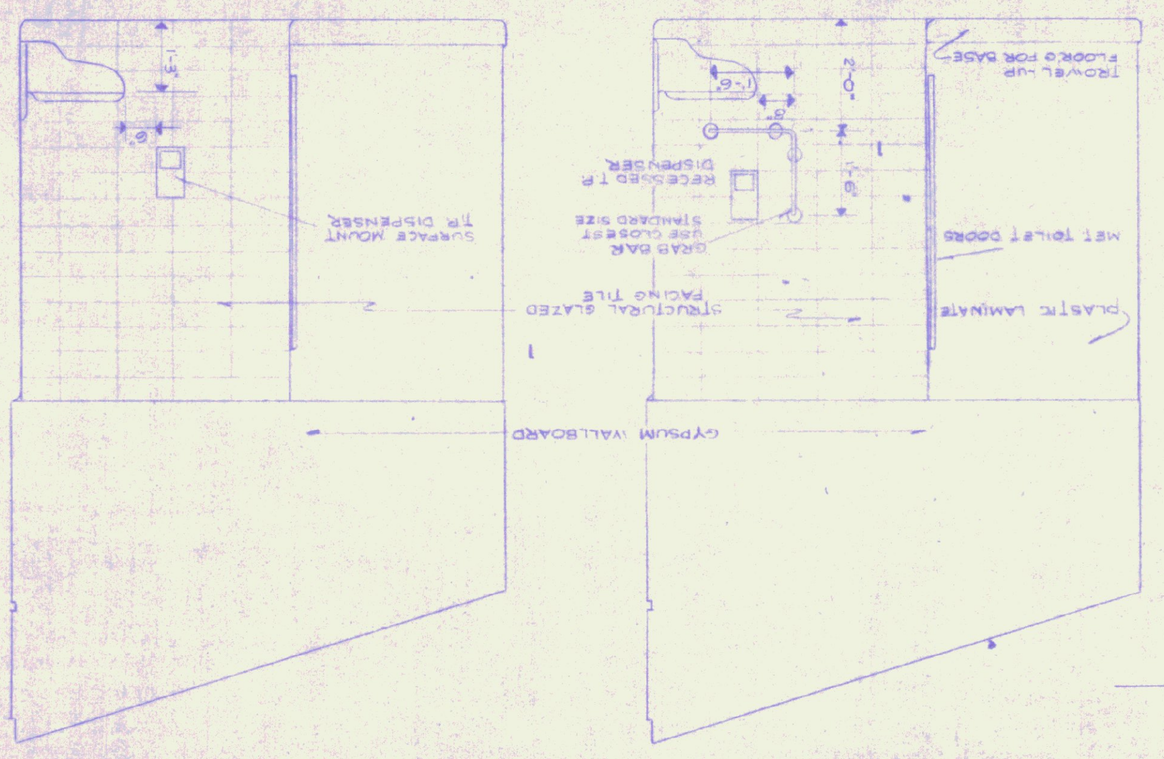

SECTION C-C

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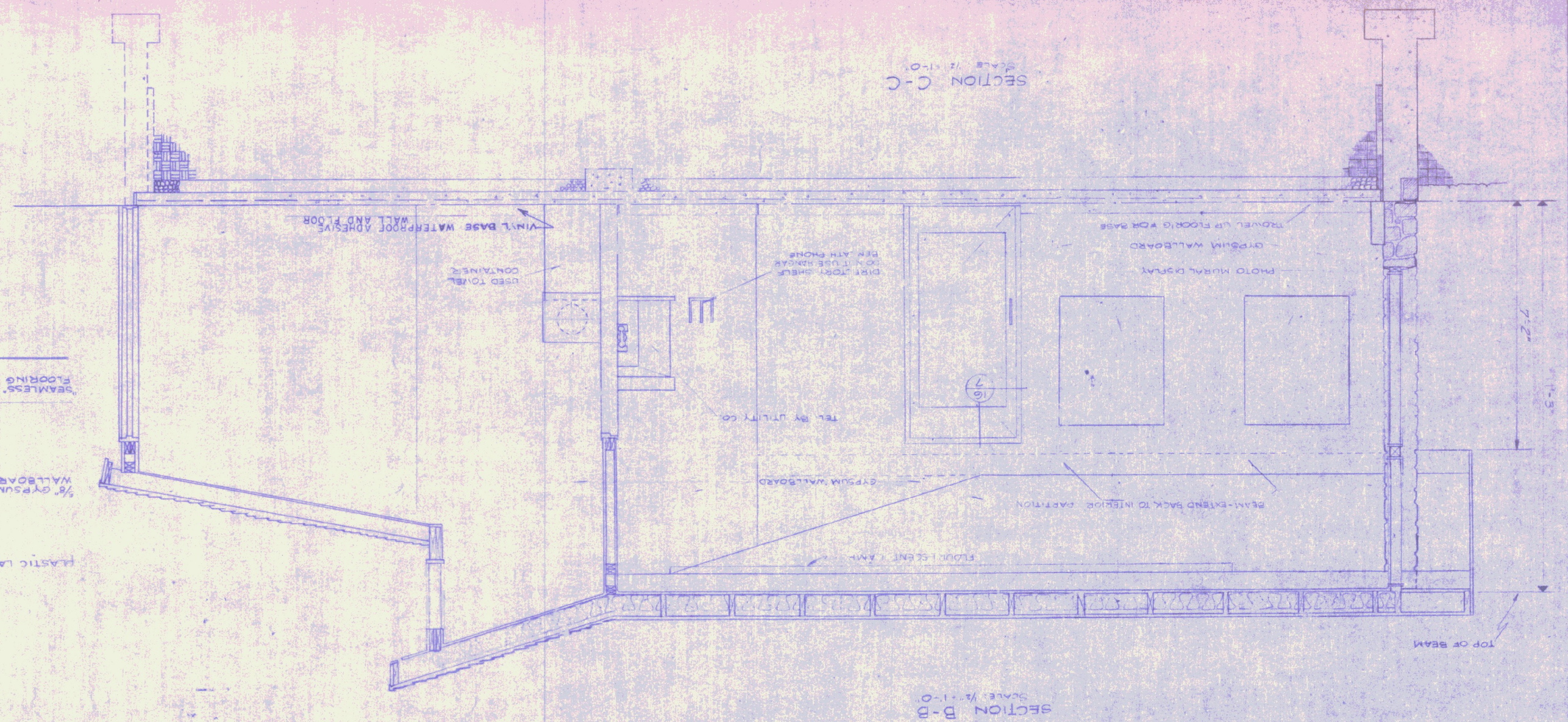

SECTION B-B

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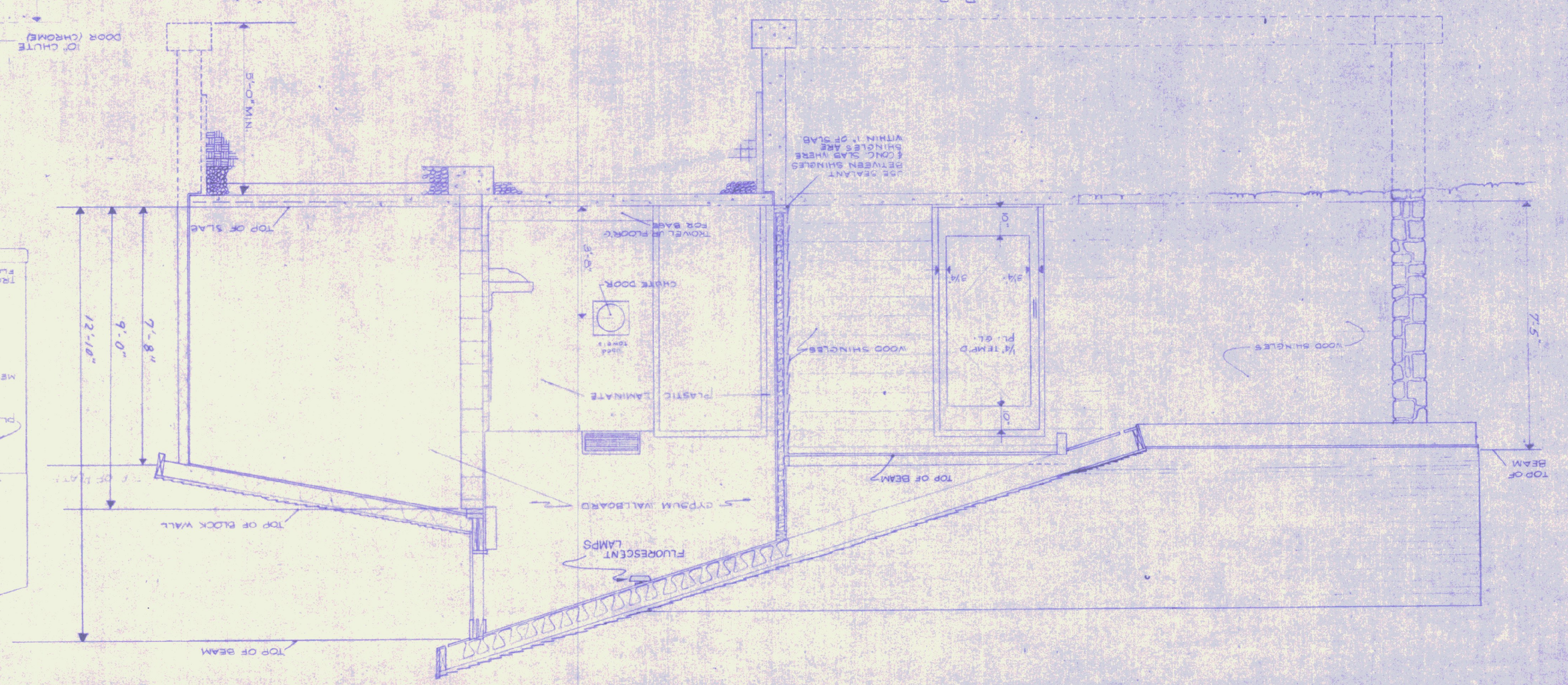


ROADSIDE REST FACILITIES

VERTICAL SECTIONS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT GEORGIA-FAIRFAX N° I 89-3(50)

SCALE 1-1/2"=1'-0 | SHEET 13 OF 35

6

9

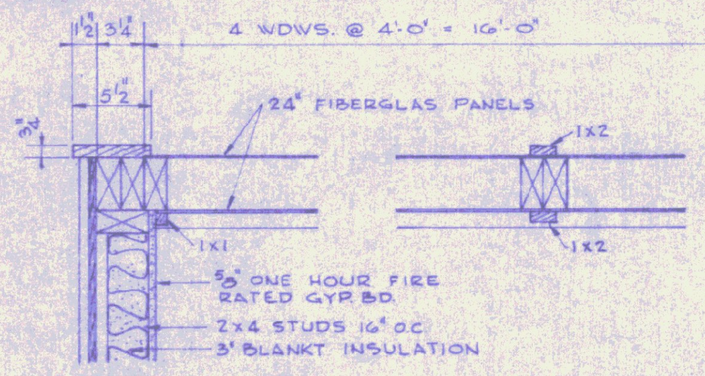
D-D

E-E

F-F

NOT TO SCALE

G



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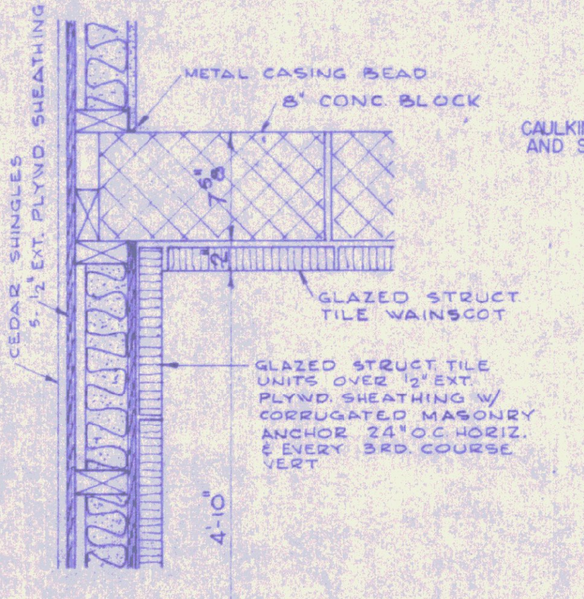

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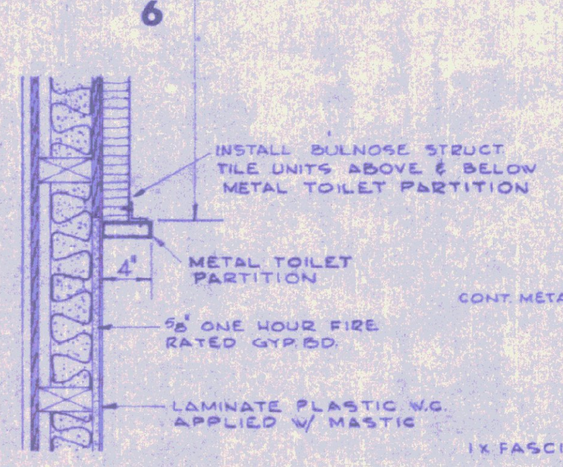

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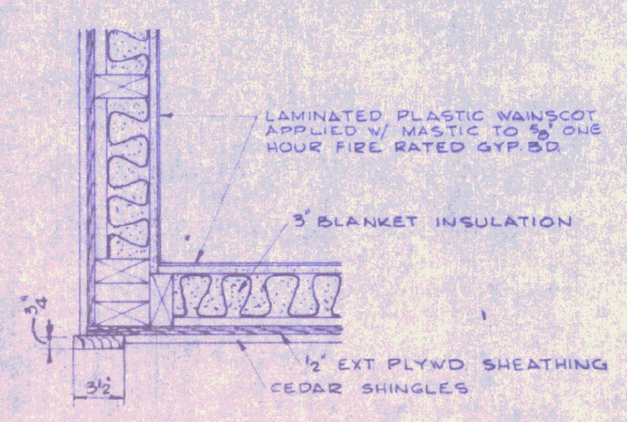

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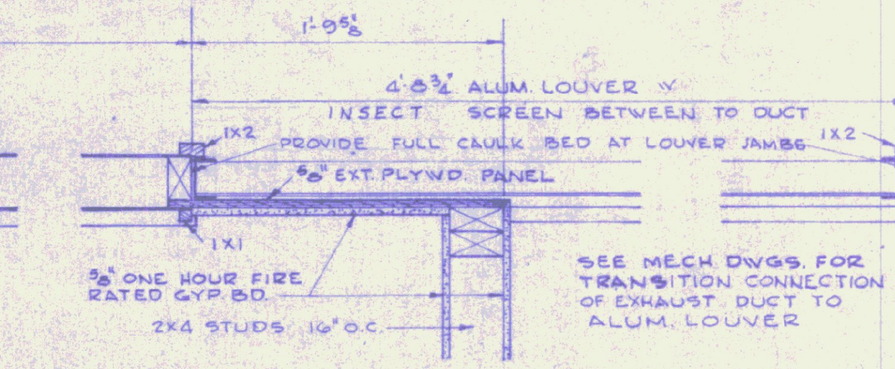

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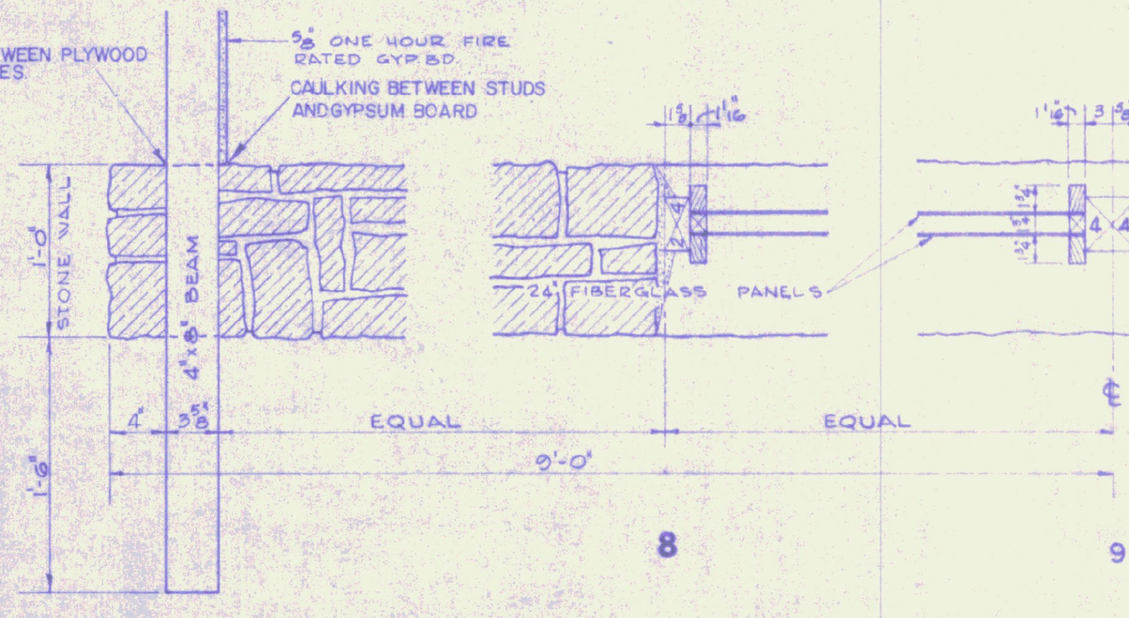

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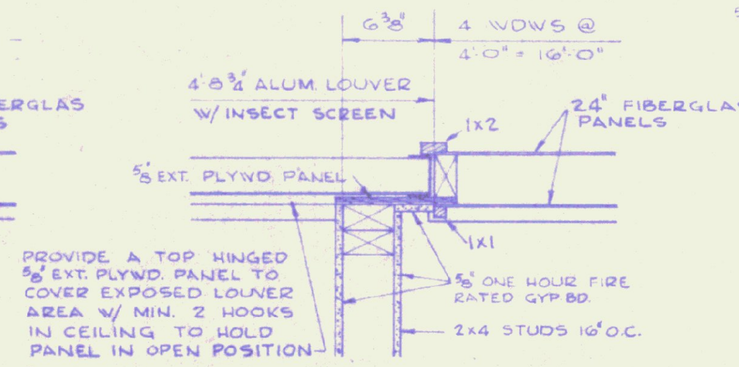

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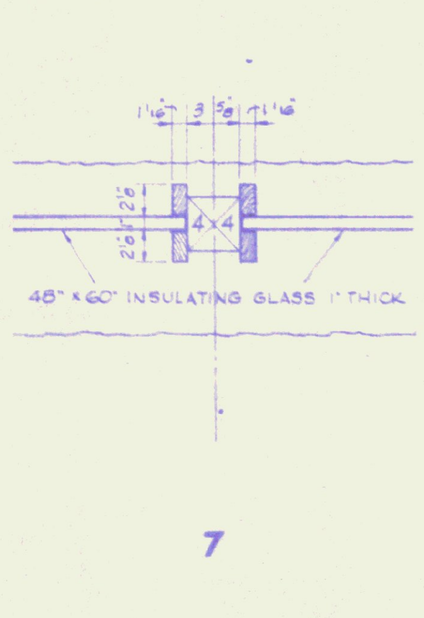

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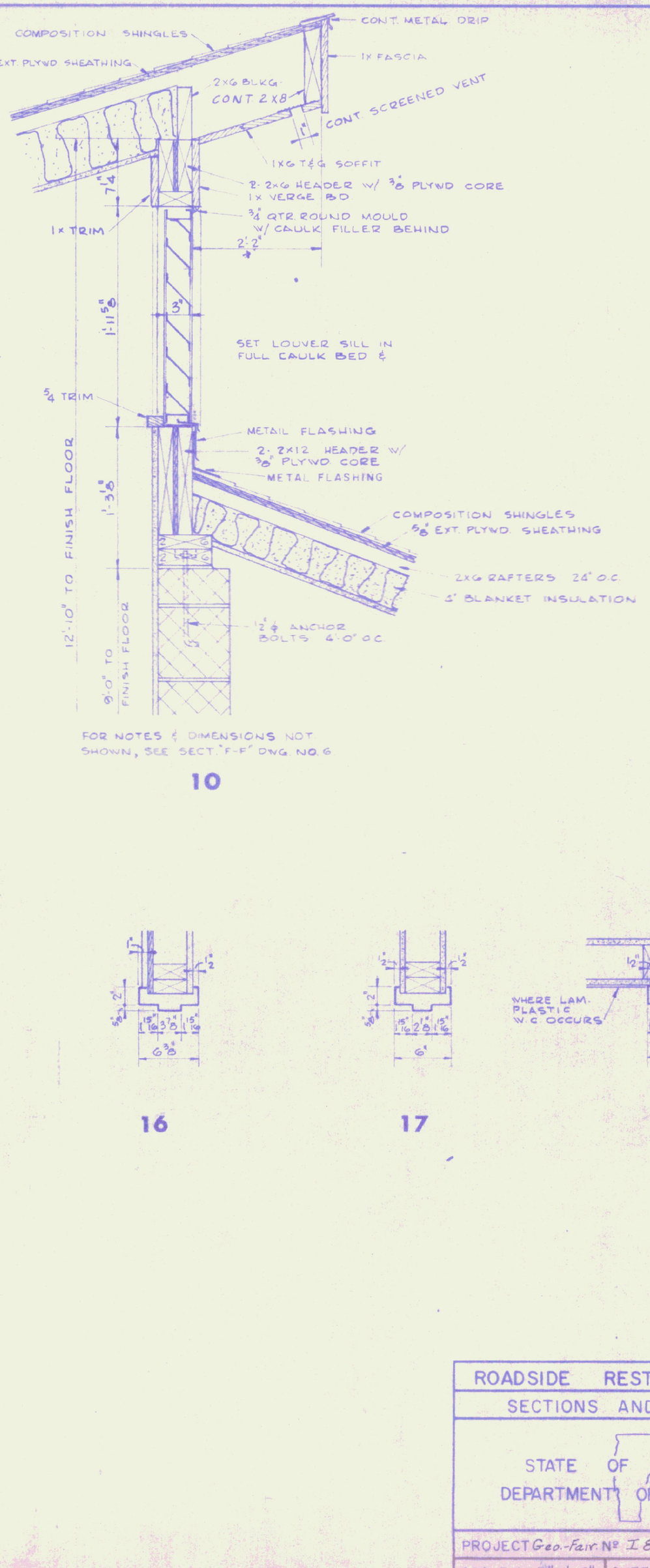

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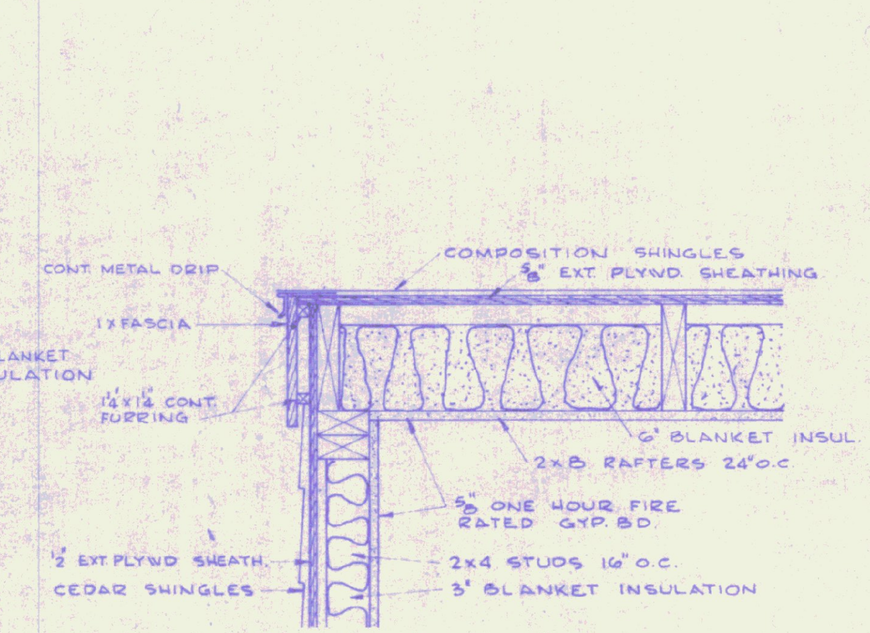
FOR NOTES & DIMENSIONS NOT SHOWN, SEE SECT. "F-F" DWG. NO. 6



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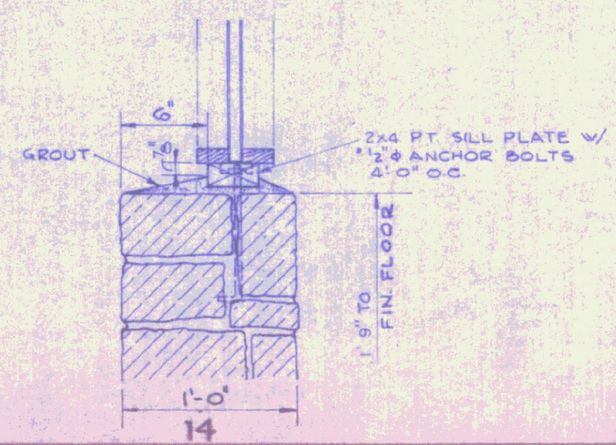

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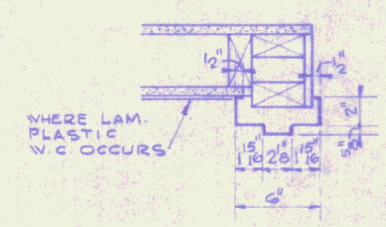


18

ROADSIDE REST FACILITIES

SECTIONS AND DETAILS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT Geo.-Fair. No. I 89-3(50)

SCALE: 1 1/2"=1'-0" | SHEET 14 OF 35

7

ROADSIDE REST FACILITIES

INTERIOR DETAILS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

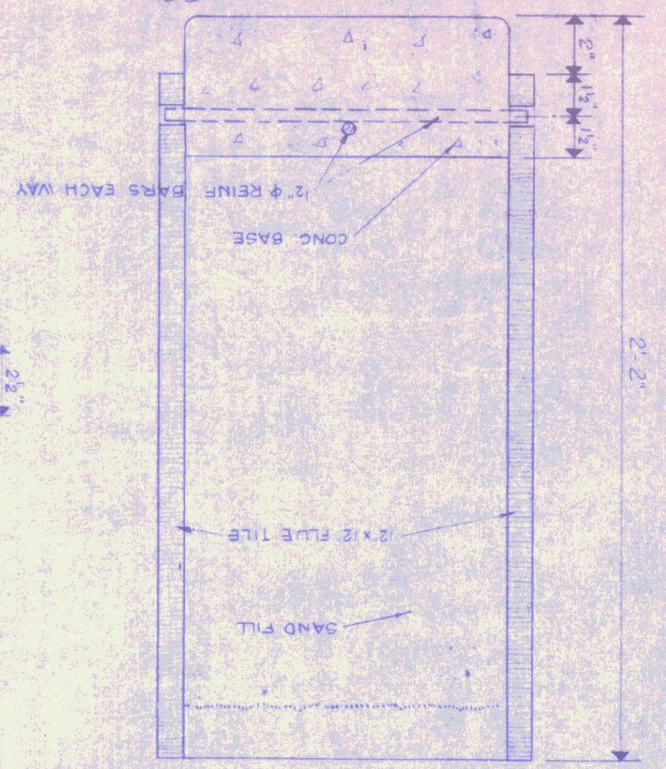
PROJECT Geo-Fair. NO I 89-3(50)

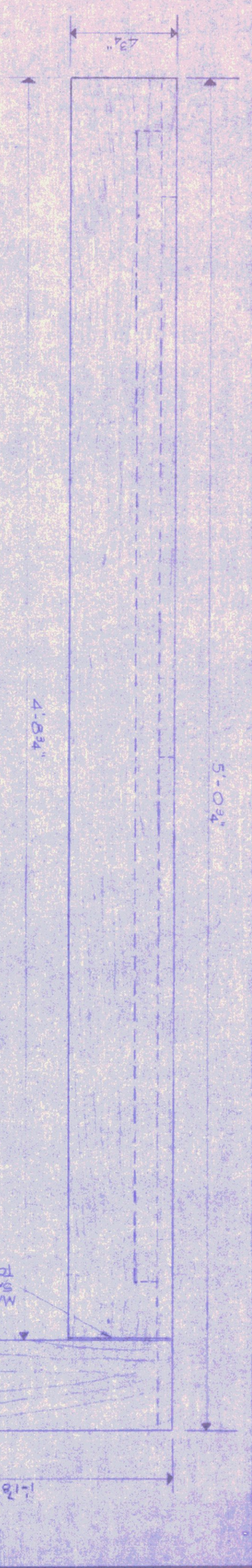
SCALE: AS SHOWN | SHEET 15 OF 35

8

ASH RECEPTACLES 26

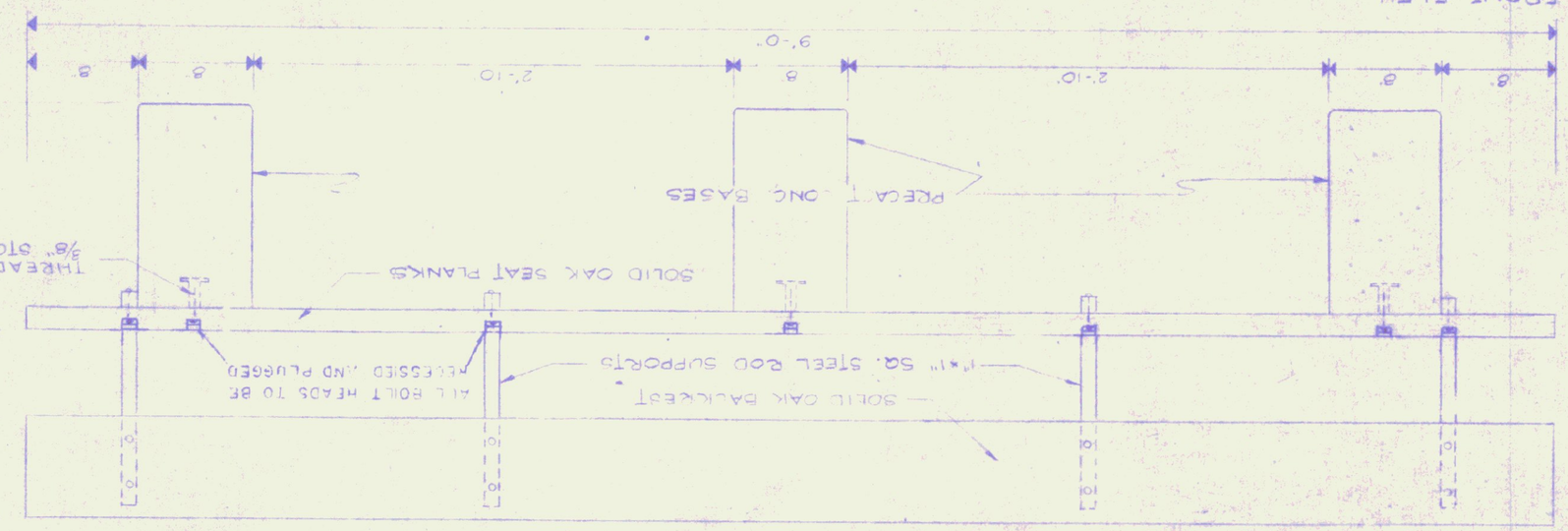
SCALE: 3"=1'-0"



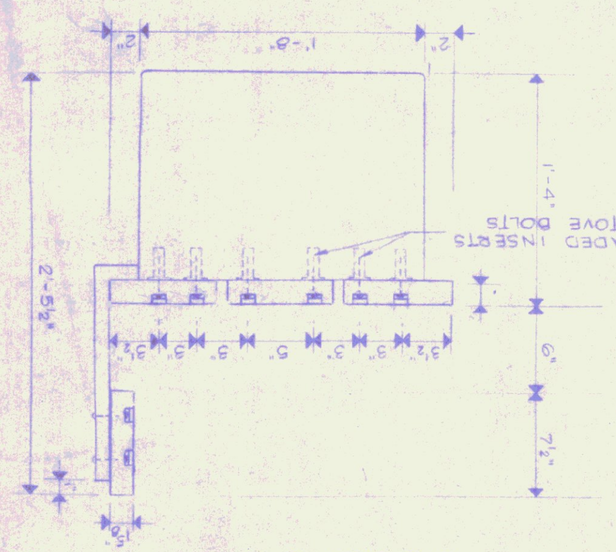


BENCH 21

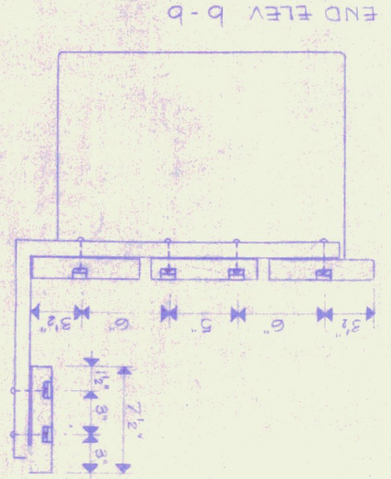
SCALE: ½"=1'-0"



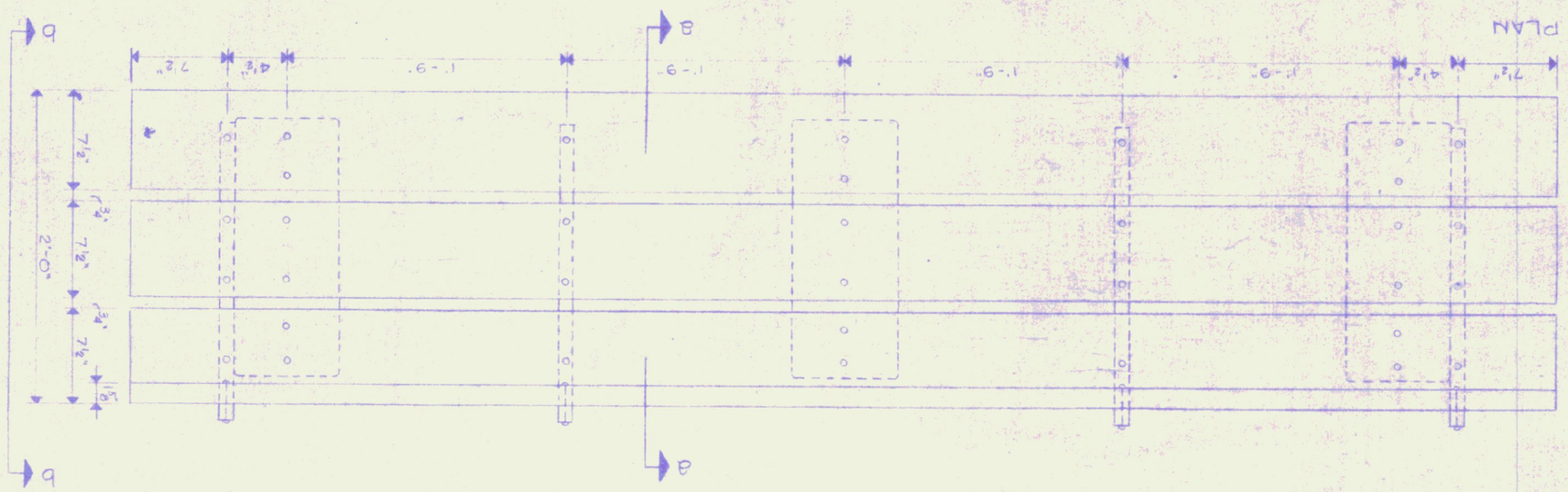
SECTION A-A



END ELEV b-b



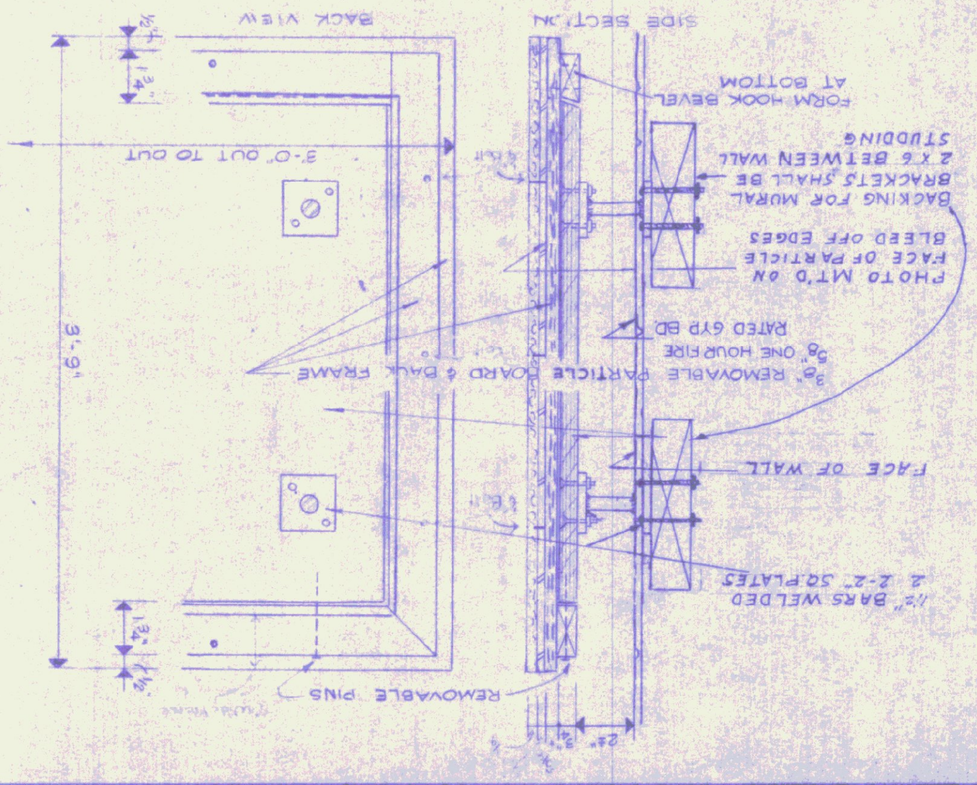
PLAN



NOTE: ALL SCREWS, BOLTS & EXPOSED FASTENERS TO BE TAMPERPROOF

PHOTO MURAL MOUNTINGS 25

SCALE: 3"=1'-0"


SIDE SECTION
BACK VIEW
FORM HOOK BEVEL AT BOTTOM
BACKING FOR MURAL BRACKETS SHALL BE 2"x6" BETWEEN WALL STUDDING
PHOTO MT'D ON FACE OF PARTICLE BLEED OFF EDGES
¾" REMOVABLE PARTICLE BOARD & DBL. FRAME
¾" ONE HOUSFIRE RATED GYP BD
FACE OF WALL
½" BARS WELDED @ 2'-2" SO. PLATES
REMOVABLE PINS
3'-0" OUT TO OUT
3'-9"
2½"
2½"
2½

ROADSIDE REST FACILITIES

ELECTRICAL (GEC-48-006, E-1)

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT FURRAX No. I 89-3501 GEORGIA-

SCALE: As Shown SHEET 16 OF 35

E-1

LIGHTING FIXTURE SCHEDULE

Mark	Manufacturer or equal.	Catalog No. & Notes	Lamp Max.	Lamp to Install	Mounting	Size	Exposed Finish	Remarks
A	Miller Wheeler	* Day-Brite * #4124I		E-40	Surface	12" x 48"	Grey	Use M# 16 ceiling Spacer if req'd
C	Day-Brite * Pass & Seymour Area Hatt	* NT 44 Keylass lampholder		100 W	Box	4 1/8 dia	Frost	
D	Day-Brite * Art Metal Prescolite	* Recessed 3g 15-8241-W3-T6TL	150 W	100 W	Recess.	11" x 11"	White	
E	Omega * Miniature Lightolier	* Recessed 3-206	150 W	R-40 150 W	Recess	9 1/2 dia	Cast Alum.	
F	Virden Day-Brite	* Ultrona * WA Series		4 F-40	Surface	15" x 48"	White	
G	Omega * Amplex	* CFH.		R-40 150 W	Surface Canopy	7 1/2 dia.	Satin Alum	

Notes: Fixtures A, E, F & G under protected control. Install two 4 pr. mod. 1500 W photocells.

* - Catalog number & name with asterisk refer to manufacturer with asterisk. Other manufacturers indicated of equal type and quality may be used.

ELECTRICAL SYMBOL SCHEDULE

Symbol	Description	Mark # Cat. No.	Remarks
S	Single Pole switch	15A - AC Fed Spec W-S-896-A	Surface mounted
S_3	Three way switch	15A - AC Fed Spec W-S-896-A	Surface mounted
⊖	Duplex Conv. Switch - Gr'd'g		Mount as directed.
④ ⑫	Lighting Outlet with - Ceiling	See Lighting Fixture Sched.	—
▣	Junction Box		Provide Cover Plates
M_1	Motor # Number	—	Furnished & installed by Contr.
▽	Thermostat	—	Unit Heater Conv. or Unit Ventilator
——	Run in ceiling or wall	—	Eight Ga. Ul Tubing
——	Branch circuit - Concealed in floor	—	Heavy Wall conduit
- - - -	Branch circuit - Exposed	—	Type NM or Electr. Metal Tubing
—	Home Run to Panel	—	—

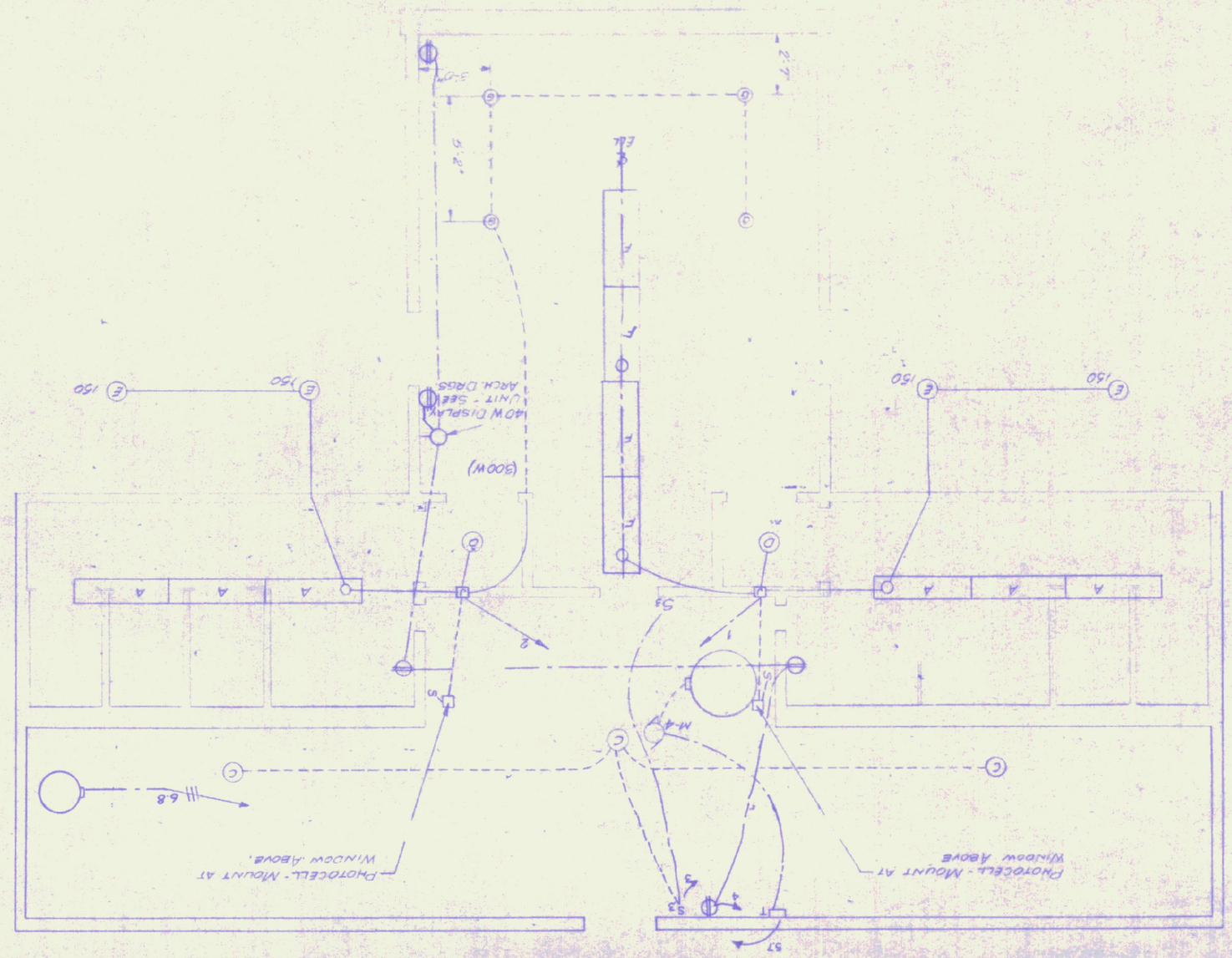
MOTOR LIST

Motor No.	Equip. Name	H.P.	Volts Phase	Type of Case	Heater Protection	Control
M-1	Exh. Fan	1/4	120V 1φ	Breaker	Starter M-3 attach.	Air-Temp. Switch
M-2	Unit Heater	1/20	240V 1φ	Breaker	—	Note 1
M-3	Vent Unit	1/4	120V 1φ	Line Sw	Starter	Note 2
M-4	Water Pump	1/2	120V 1φ	Breaker	Fused disc.	Press. Sw

NOTES: 1. Style with 5 KW coil from Thermofax 2 Part of factory wired electric heater unit control - Manual 3 Duty Time Elec start & stop

LIGHTING & MISC.

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

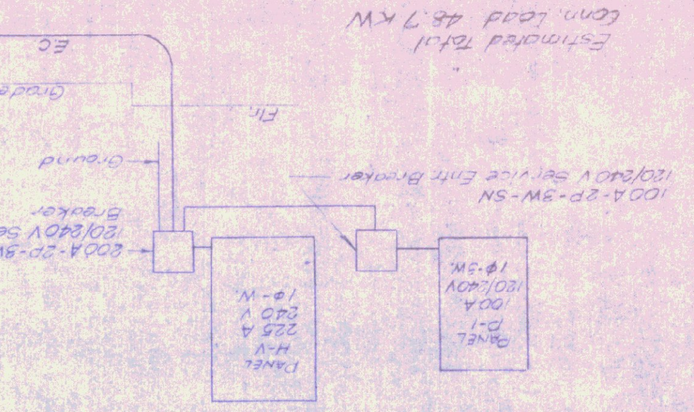


HEATING & VENTILATING

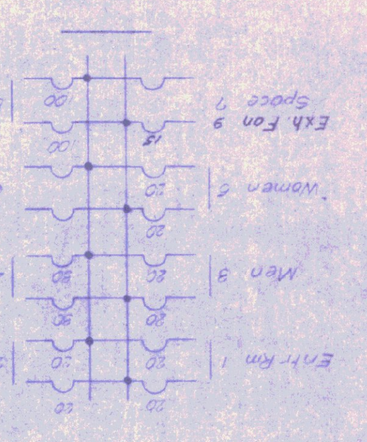
SCALE: 1/4" = 1'-0"

RISER DIAGRAM

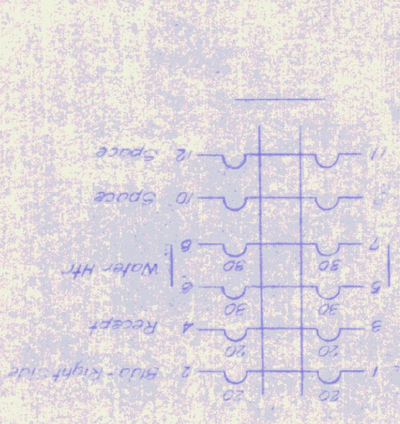
Estimated total conn. load 48.7 KW

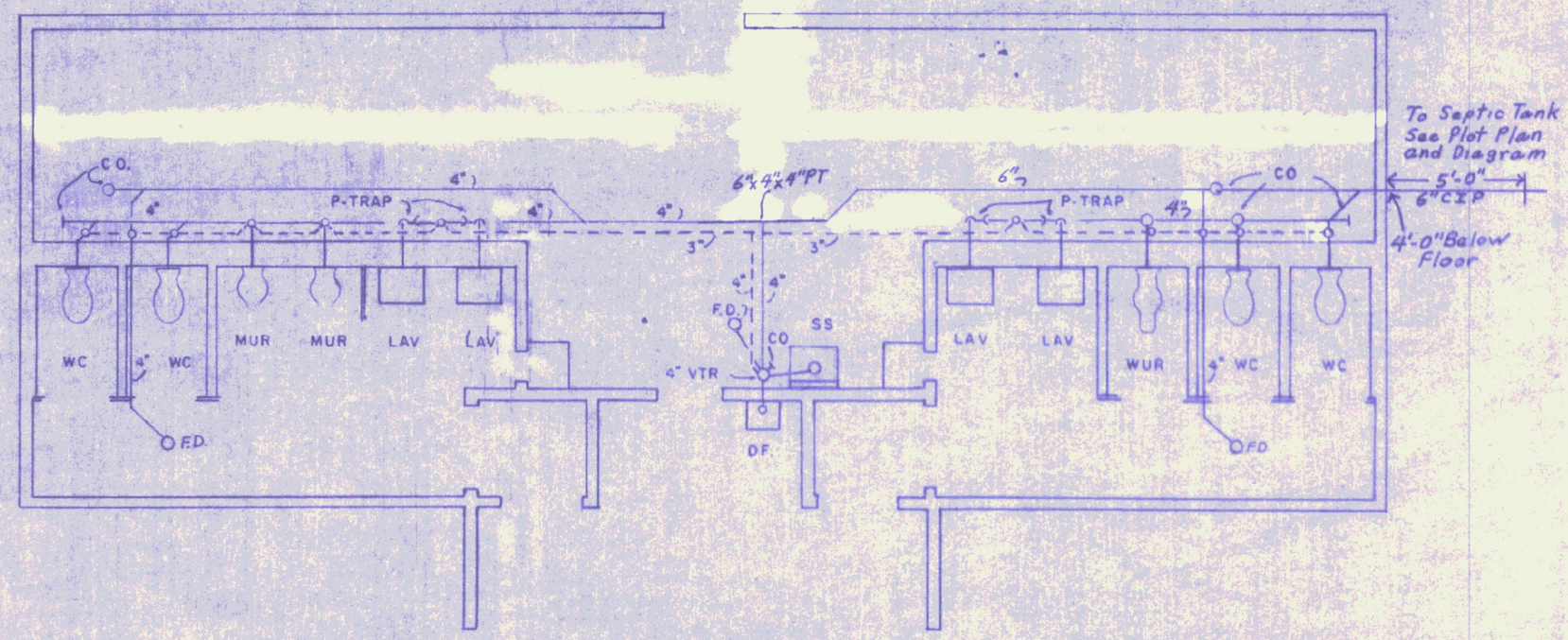


PANEL H-V HEATING & VENTILATION

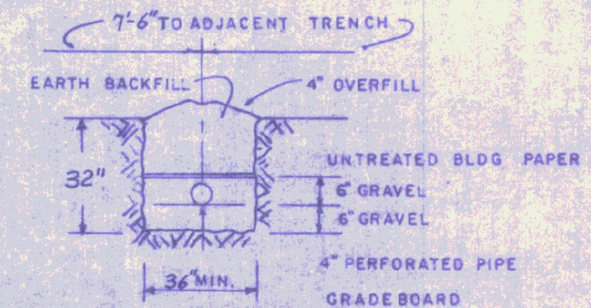


PANEL P-1 LIGHTING & MISC.

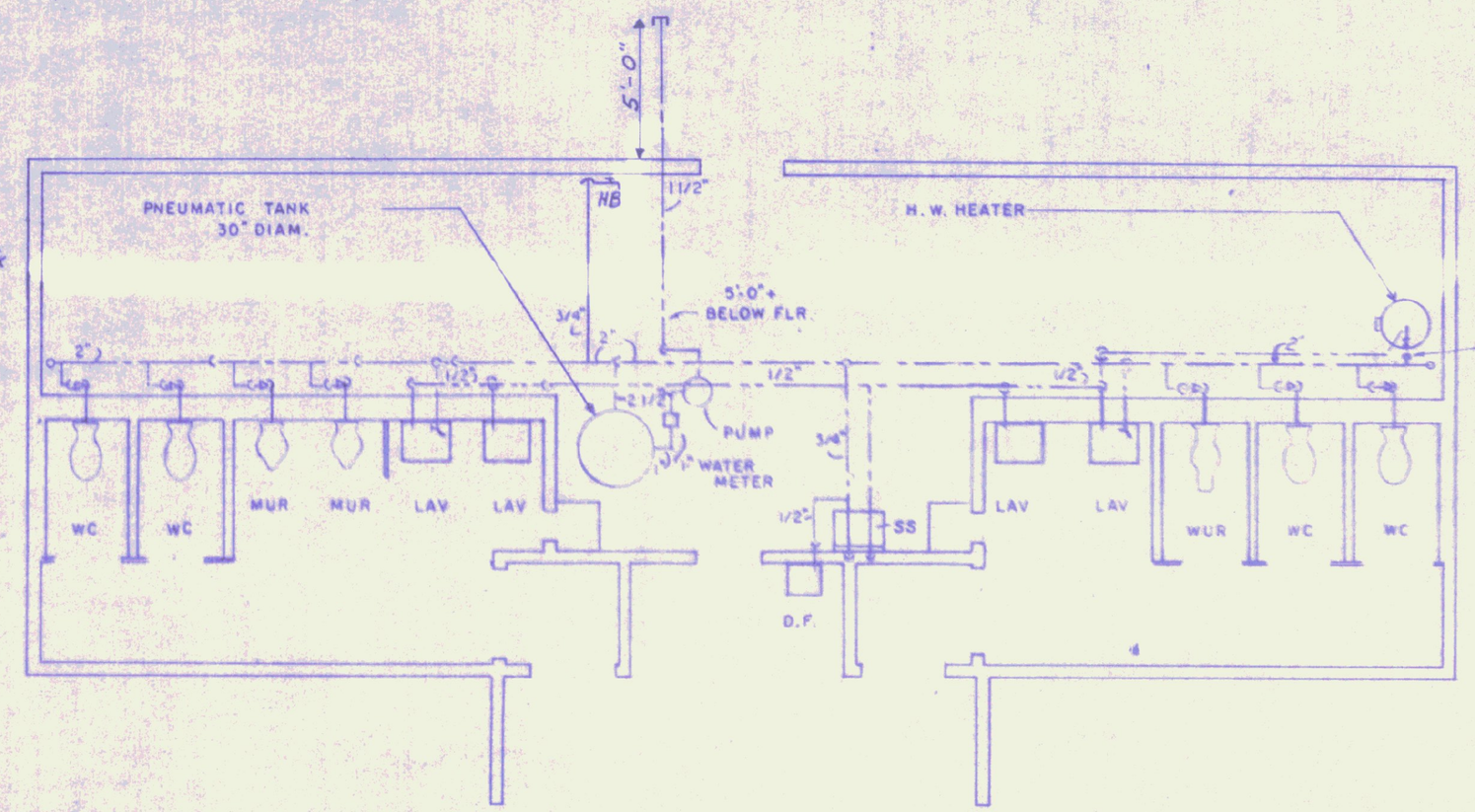




PLAN
SOIL & WASTE
1/4" = 1'-0"



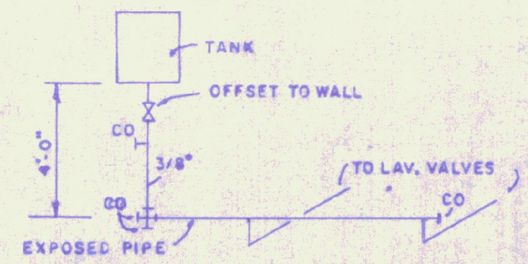
LEACHING TRENCH DETAIL



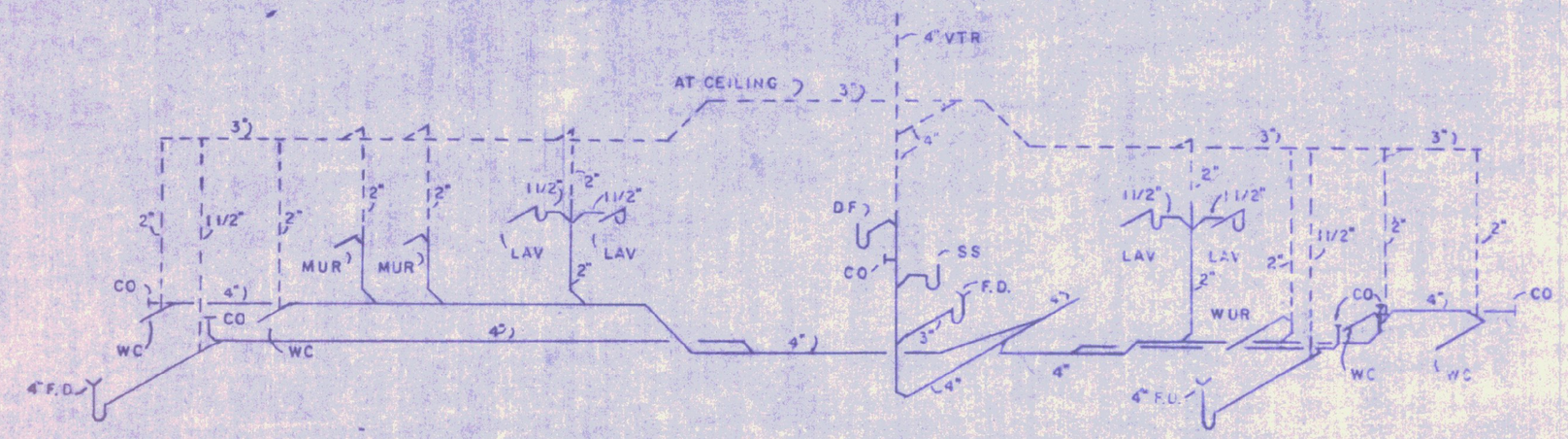
PLAN
WATER
1/4" = 1'-0"

LEGEND

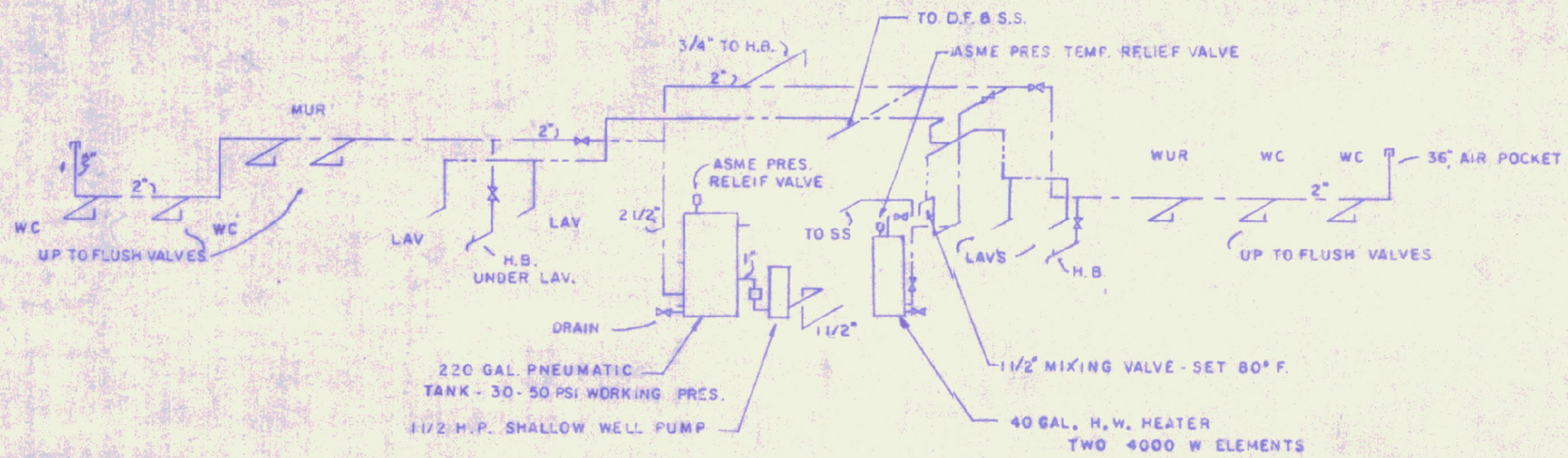
SOIL & WASTE	
VENT	
COLD WATER	
HOT WATER	
CLEANOUT	C.O.
HOSE BIBB	H.B.



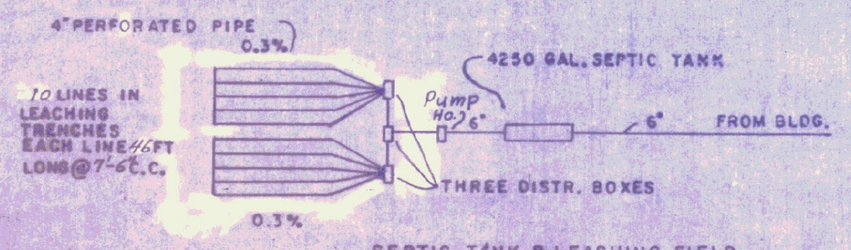
GRAVITY SOAP SYSTEM
TYPICAL - TWO REQ'D
NO SCALE



RISER DIAGRAM
SOIL & WASTE
NO SCALE



RISER DIAGRAM
WATER
NO SCALE



SEPTIC TANK & LEACHING FIELD

SEE PLOT PLAN FOR LOCATION.

SEWAGE DISPOSAL

PERCOLATION RATE	5 MIN / INCH
ALLOWABLE APPLICATION RATE	2.2 GAL / DAY / SF
SEWAGE FLOW	3000 G P D
LEACHING AREA	1380 SF
LENGTH OF 3' WIDE TRENCH	460 FT
LEACHING LINES - NO & LENGTH	10 @ 46 FT
NO. OF DISTR. BOXES	3
SEPTIC TANK SIZE	4250 GAL. (64" X 29'-10")

Northbound Rest Area

ROADSIDE REST FACILITIES
PLUMBING (GEC-48-004, M-1)

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

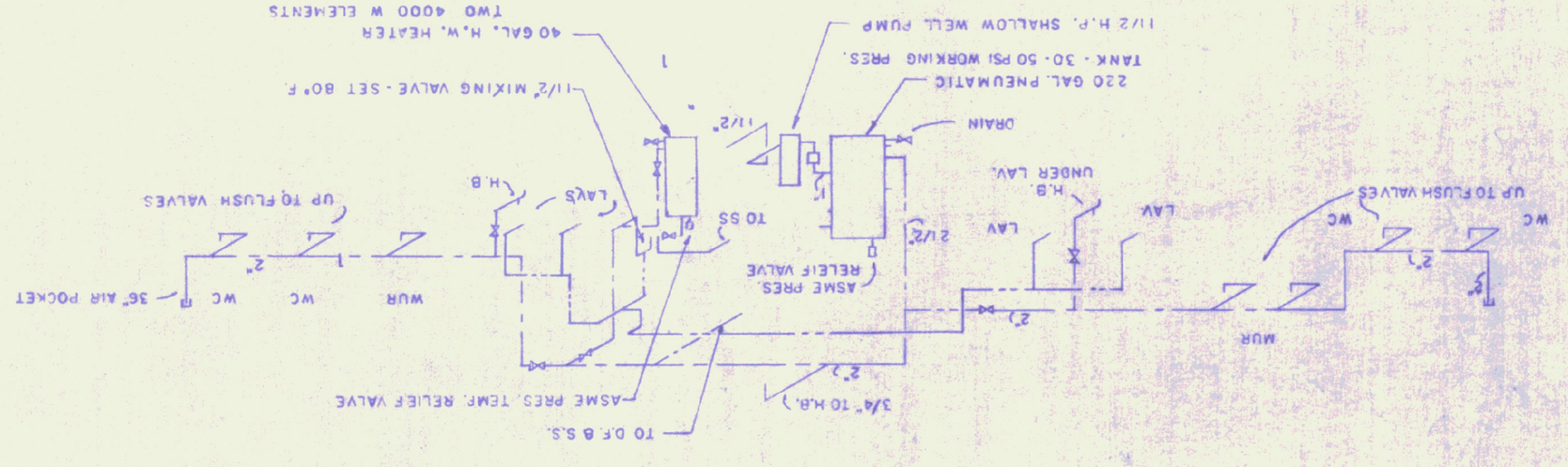
PROJECT Geo.-Fair. No. I 89-3 (50)
SCALE 1/4" = 1'-0" | SHEET 17 OF 36
P-1

Southbound Rest Area

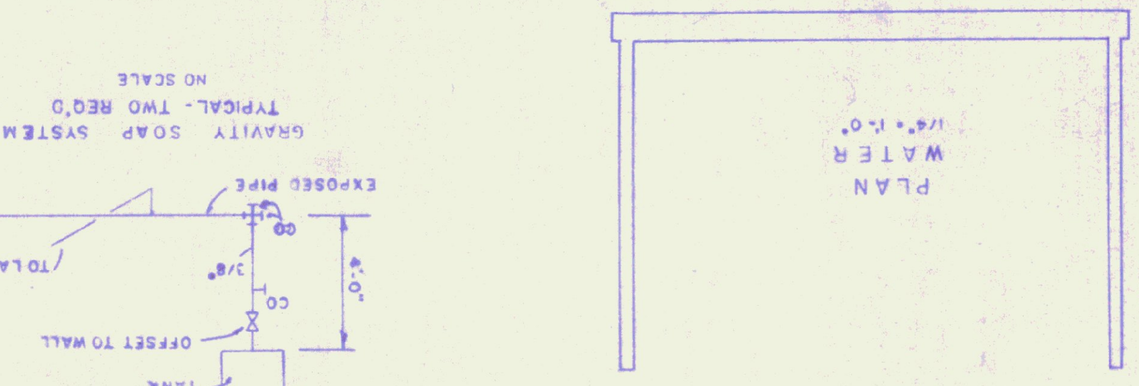
ROADSIDE REST FACILITIES
PLUMBING (GEC-48-004, M-1)
STATE OF VERMONT DEPARTMENT OF HIGHWAYS
PROJECT Geo-fair. N° I 89-3(50)
SCALE 1/4"=1'-0" SHEET 18 OF 35

P-1

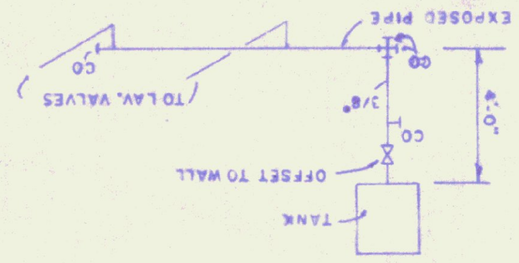
RISER DIAGRAM
WATER
NO SCALE

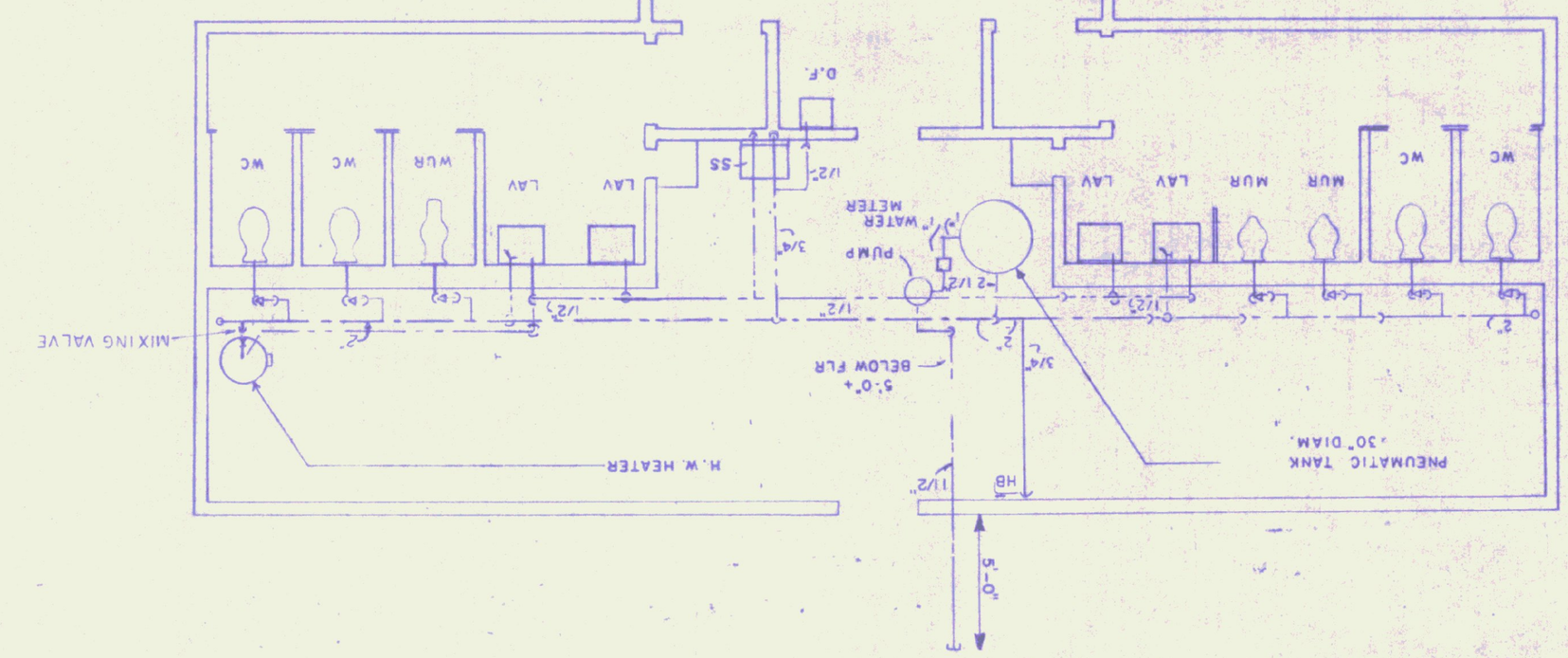


PLAN
WATER
1/4" = 1'-0"



GRAVITY SOAP SYSTEM
TYPICAL - TWO REQ'D
NO SCALE





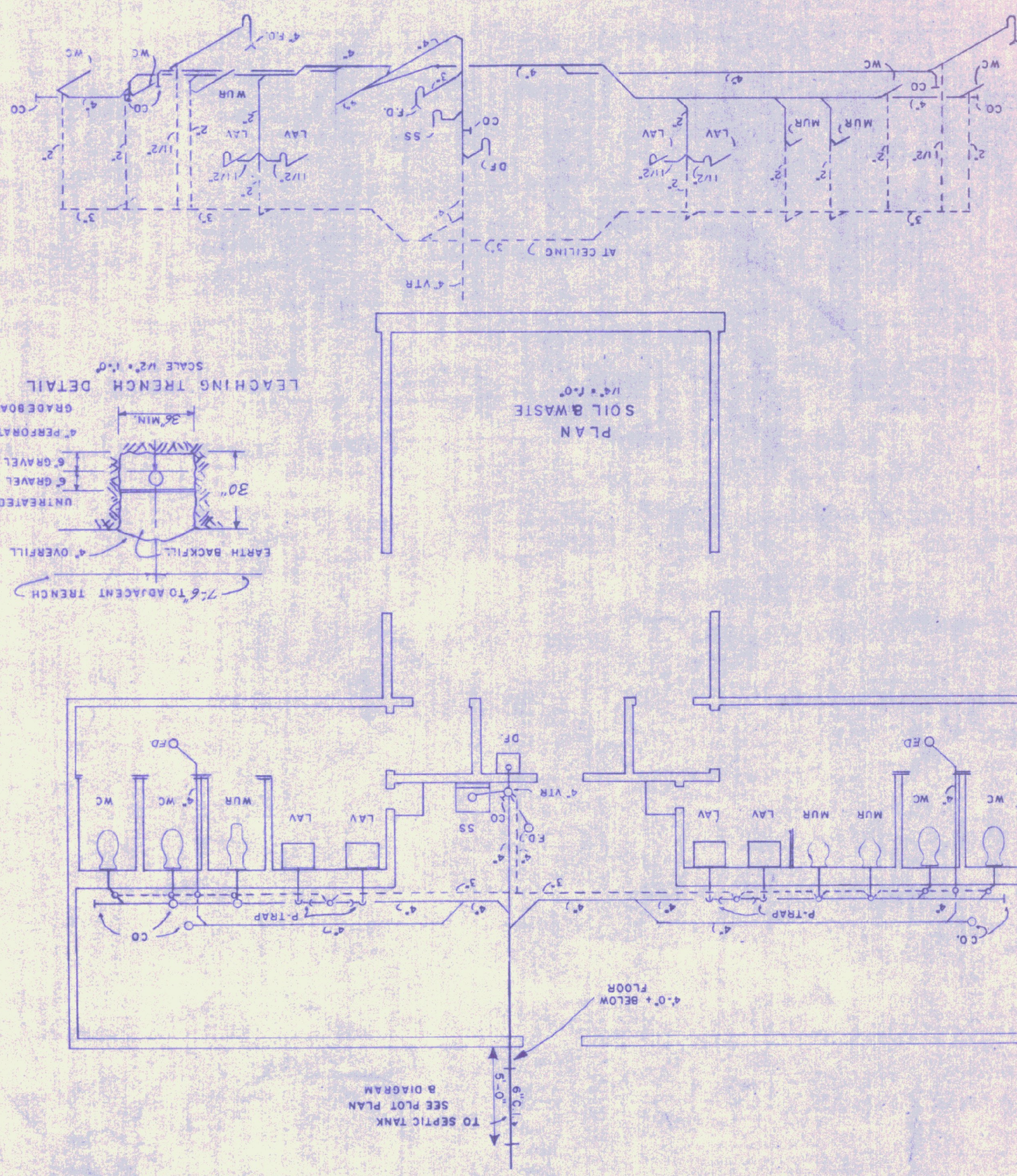
LEGEND

SOIL & WASTE	
VENT	
COLD WATER	
HOT WATER	
CLEANOUT	C.O.
HOSE BIBB	H.B.

SEWAGE DISPOSAL

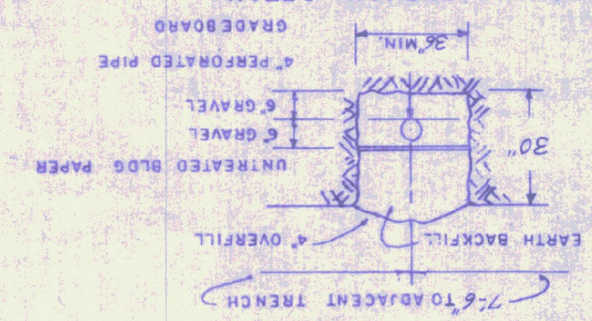
PERCOLATION RATE	16 MIN/INCH
ALLOWABLE APPLICATION RATE	.43 GAL/DAY/SF
SEWAGE FLOW	3000 G.P.D.
LEACHING AREA	2340 SF
LENGTH OF 3' WIDE TRENCH	780 FT
LEACHING LINES - NO & LENGTH	12 @ 65FT
NO. OF DISTR. BOXES	3
SEPTIC TANK SIZE	4250 GAL.(64"X29'-10")

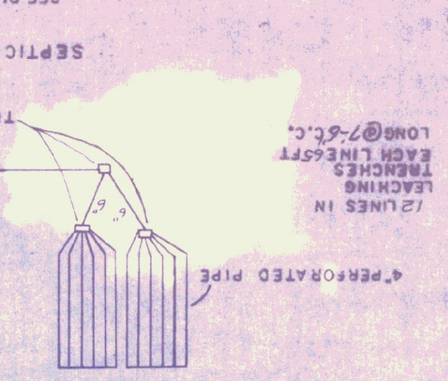
RISER DIAGRAM
SOIL & WASTE
NO SCALE



PLAN
SOIL & WASTE
1/4" = 1'-0"

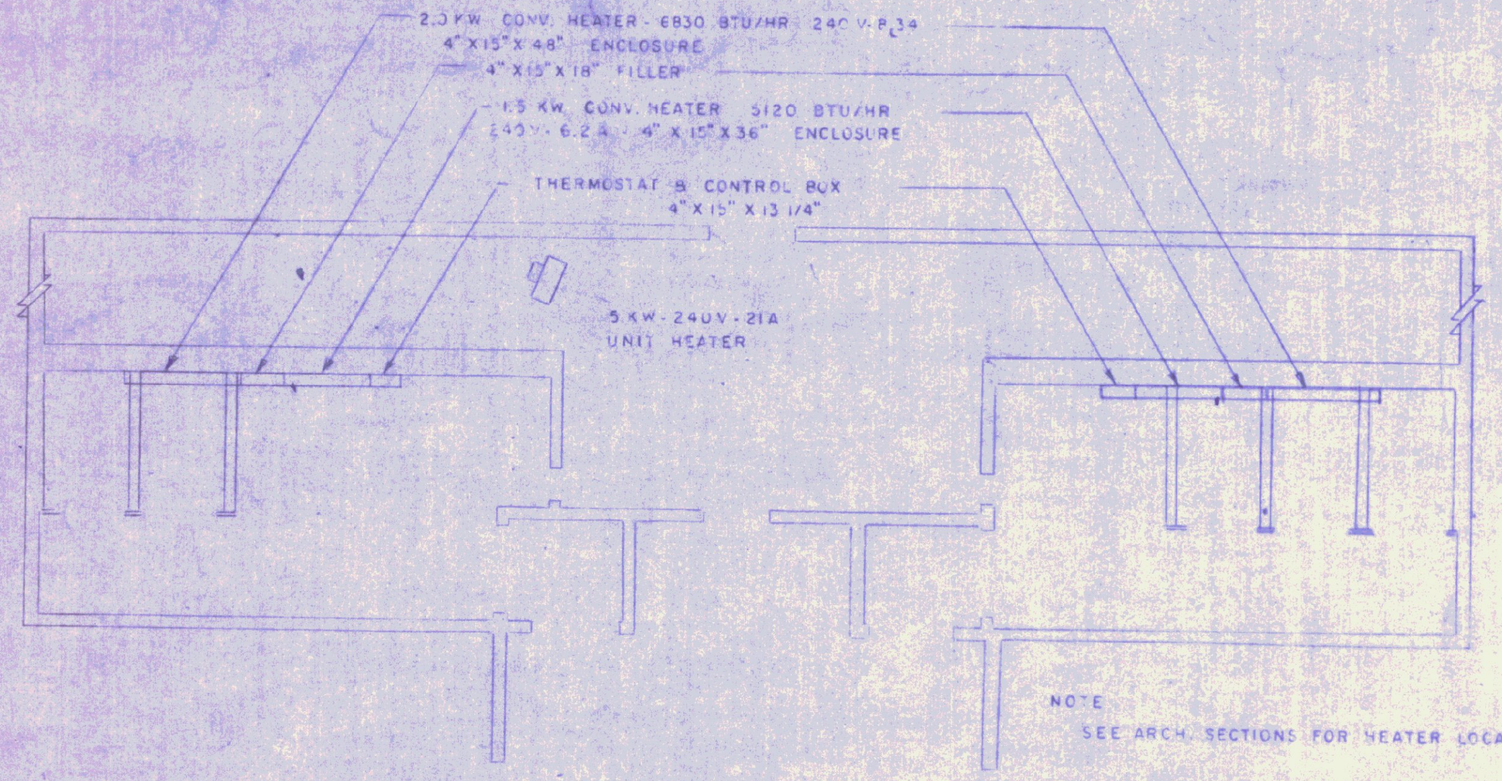
LEACHING TRENCH DETAIL
SCALE 1/2" = 1'-0"



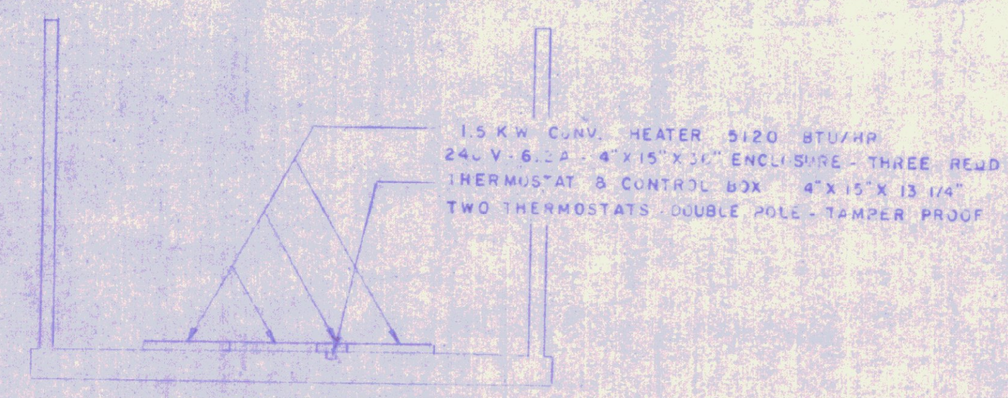


SEPTIC TANK & LEACHING FIELD

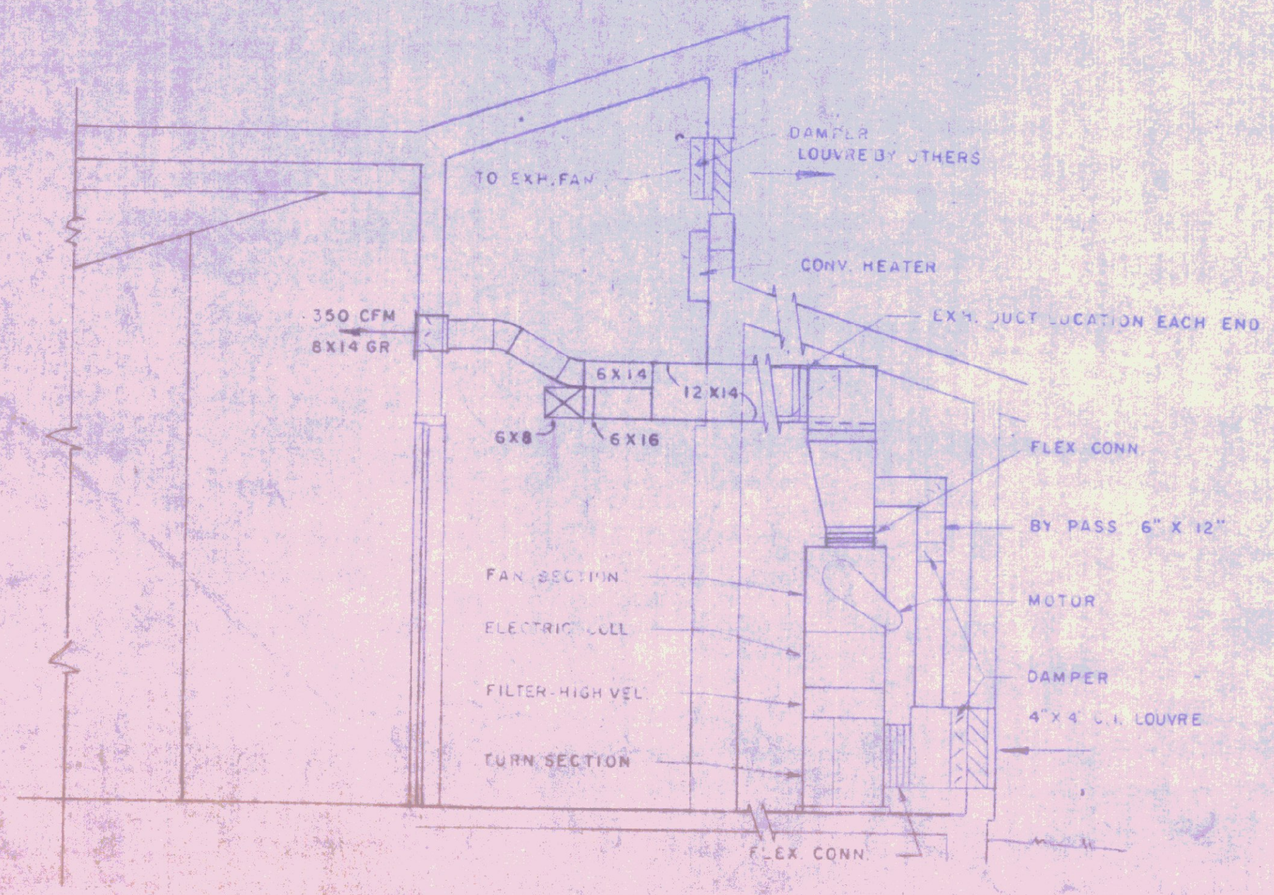
SEE PLOT PLAN FOR LOCATION.



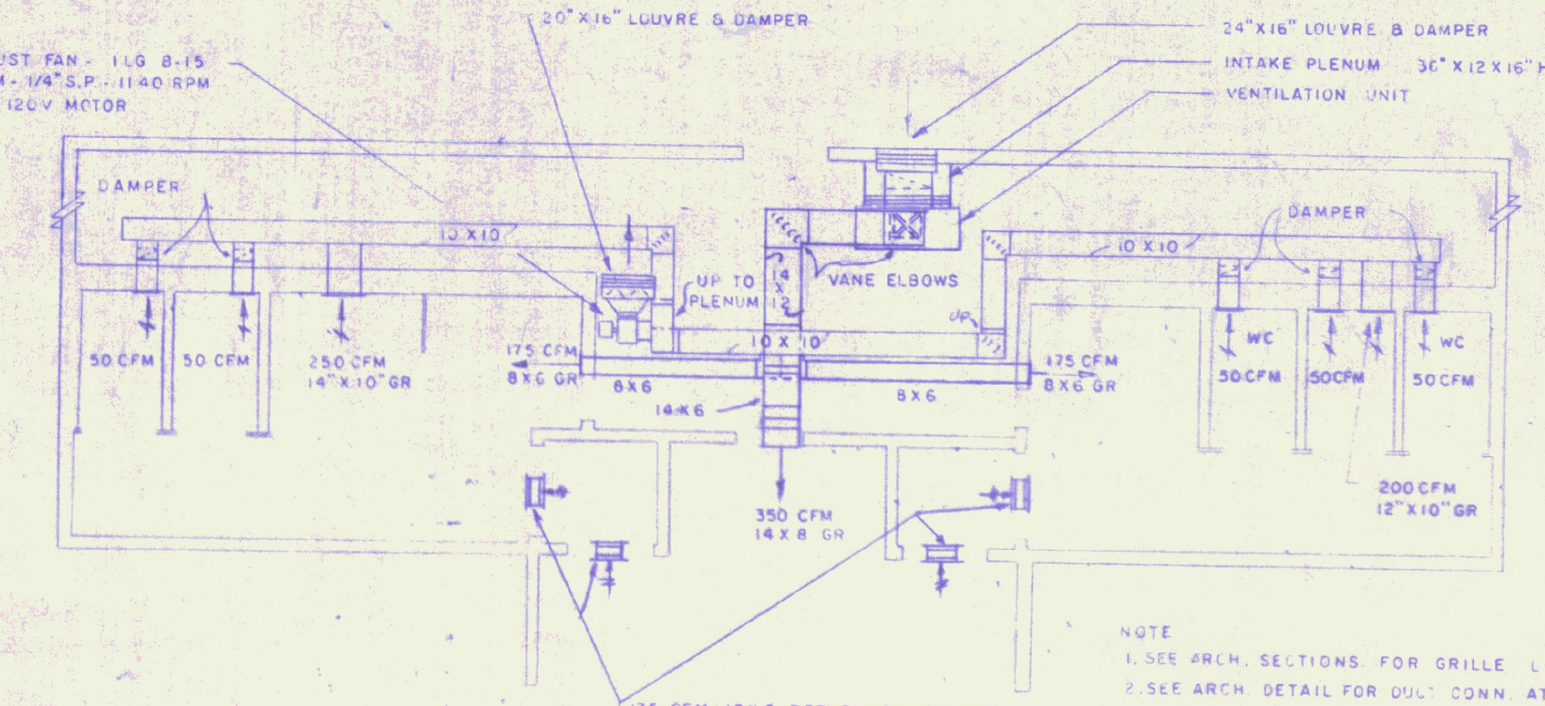
NOTE
SEE ARCH. SECTIONS FOR HEATER LOCATIONS



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



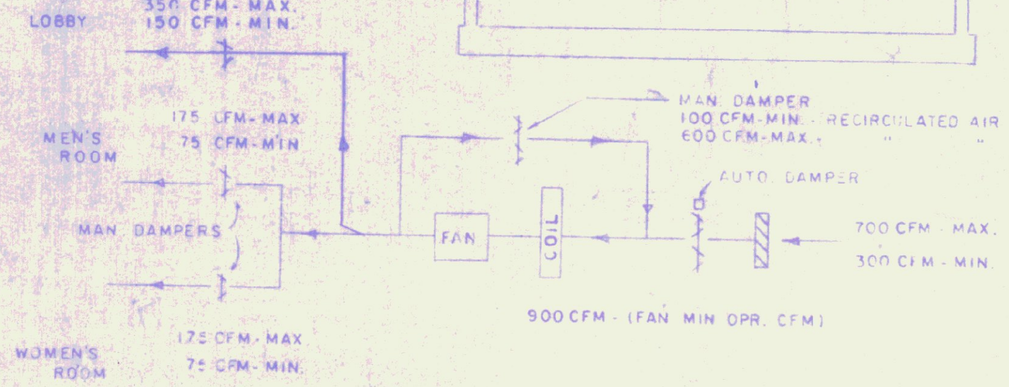
SECTION
AT VENTILATION UNIT
SCALE 1/2" = 1'-0"



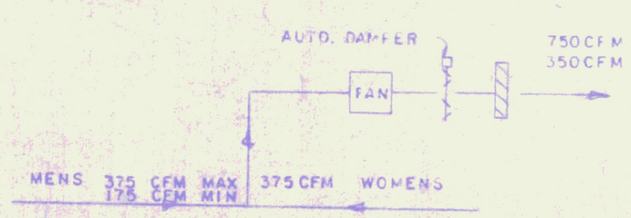
NOTE
1. SEE ARCH. SECTIONS FOR GRILLE LOCATIONS
2. SEE ARCH. DETAIL FOR DUCT CONN. AT WATER CLOSETS.

175 CFM 12X6 RETURN AIR GRILLES FIXED VERTICAL BARS, GRILLE EACH SIDE OF PARTITION WITH METAL SLEEVE. CENTER OVER DOORS BOTTOM 8'-0" ABOVE FLOOR. OMIT DAMPERS.

VENTILATION PLAN
SCALE 1/4" = 1'-0"



VENTILATION SYSTEM
SUPPLY



VENTILATION SYSTEM
EXHAUST

FLOW DIAGRAMS
NO SCALE

ROADSIDE REST FACILITIES
HEATING & VENTILATION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
PROJECT GEORGIA-FAIRFAX № I 89-3(50)
SCALE As Shown
SHEET 19 OF 38

TOWN LINE

BM #478
Elev (31.08)
DHD 220'60

10'x20' Bldg

2' paved walk

2' paved walk

2' paved walk

GEORGIA
FAIRFAX

TOWN LINE

POND EN

Southbound Rte 41
Georgia - Fairfax