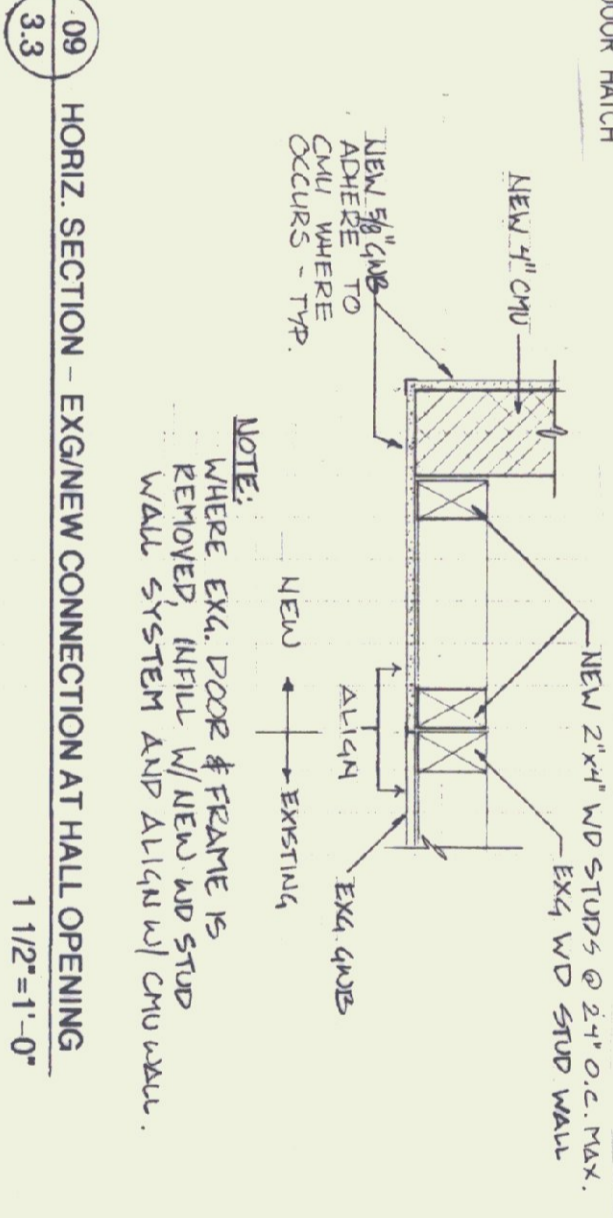


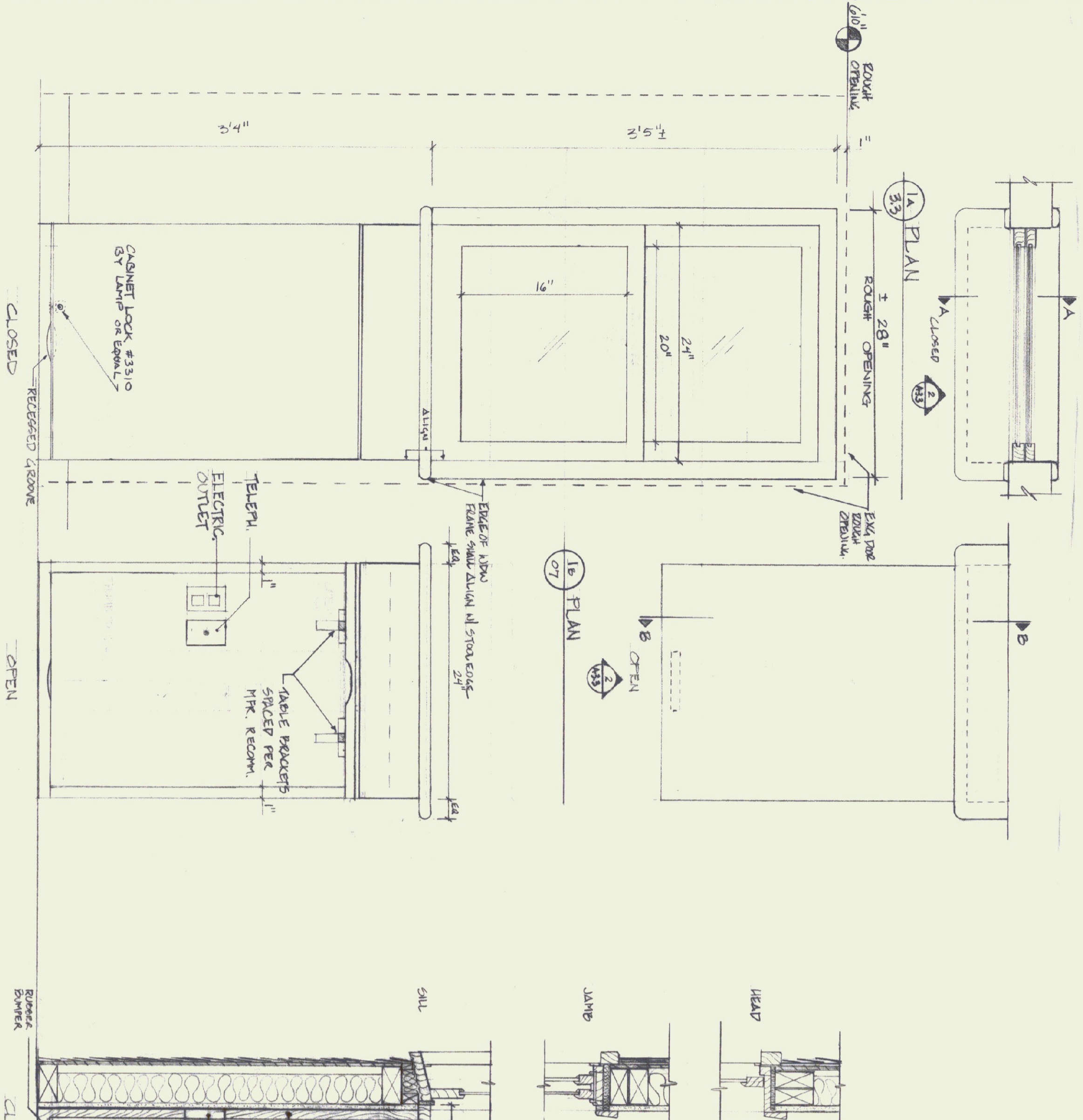
DOOR SCHEDULE											
DOOR #	DOOR TYP	DOOR MAT	DOOR W	DOOR H	FRAME MAT	FRAME HEAD	JAMB	INTEL THR	LABEL	GROUP	REMARKS
101	EXISTING TO BE REMOVED										(EXG. ENTRY DOOR)
102	EXISTING TO BE REMOVED										(EXG. ENTRY DOOR)
103	EXISTING TO BE REMOVED										
104	EXISTING TO BE REMOVED										
201	A	AL	3'-0"	6'-8"	AL	02/3/5	*	03/3/5			* SEE SECTION 08400
202	A	AL	3'-0"	6'-8"	AL	*		05/3/5			* SEE SECTION 08400
203	EXISTING TO REMAIN										
204	EXISTING TO REMAIN										
205	B	HM	2'-6"	6'-8"	HM	04/3/3	04/3/3			2	
206	B	HM	3'-0"	6'-8"	HM	08/3/3	07/3/3	YES		1	
207	C	HM	3'-0"	6'-8"	HM	06/3/3	05/3/3	YES	12/3/5	2	PROVIDE 6"X6" ONE WAY LITE CENTERED @ 5'-0" A.F.F.
208	B	HM	3'-6"	6'-8"	HM	11/3/3	10/3/3				
209	D	HM	2'-0"	4'-0"	HM						MFR. PROVIDES FRAME AND HOUR.
210	D	HM	2'-0"	2'-0"	HM						MFR. PROVIDES FRAME AND HOUR. (SEE SECTION 08400 FOR MFR. REVISIONS, TECHNICAL AND SHOP DRAWING COMMENTS)

DOOR TYPES:
 TYPE A: SEE ELEVATIONS
 TYPE B: FLUSH HOLLOW METAL
 TYPE C: FLUSH HM WITH 6"X6" ONEWAY LITE
 TYPE D: ACCESS DOOR HATCH



09 HORIZ. SECTION - EXG/NEW CONNECTION AT HALL OPENING
 1 1/2" = 1'-0"

- NOTES:
1. AT ALL WOOD FASTENING LOCATIONS - COUNTERSINK SCREWS & NAILS.
 2. ROUGH OPENING OF NEW WOOD STUDS, FIT INTO EX. ROUGH OPENING. REMOVE EXIST. DOOR AT TOP AND THE SIDE CONNECT TO EXIST. POOR. (SEE 210)
 3. IN MANUFACTURING THIS DESK, KEEP IN MIND THAT IT SHOULD BE AS VERSATILE AS POSSIBLE.
 4. WINDOWS SHALL BE DOUBLE-HUNG (WOOD) WITH A CLASS SIZE OF 20"X14" (MINIMUM, EQUAL, FORZII KALBE & KOLBE)
 5. ALL CONSTRUCTION TO BE S.O.D. MATERIAL W/ CLEAR FIN. (UNLESS FINISH NOT ACCEPTABLE)

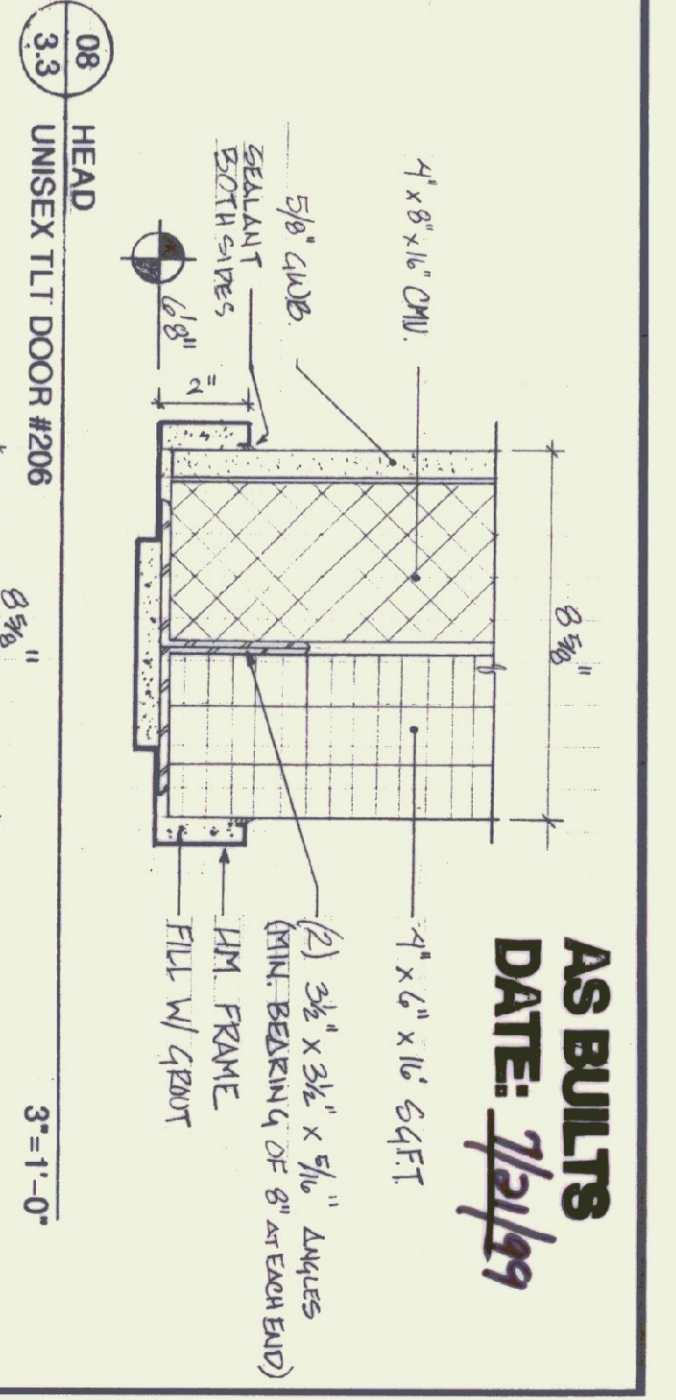


02 FRONT ELEVATION
 SCALE: 1/2" = 1'-0"

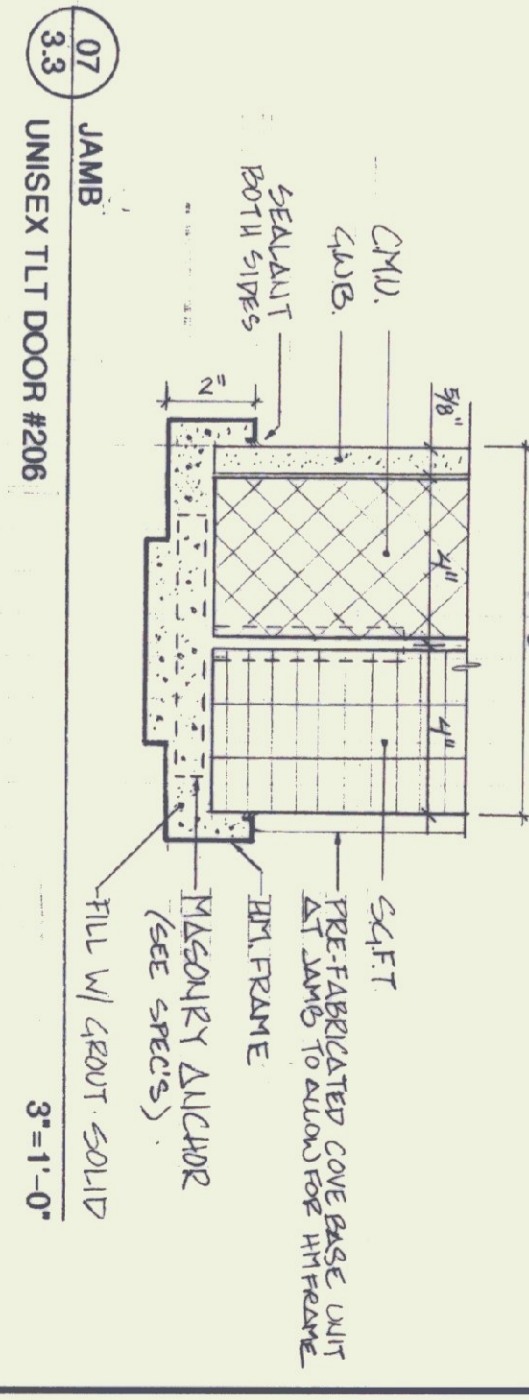
03A SECTION A-A
 3/3 N.T.S.

03B SECTION B-B
 3/3 N.T.S.

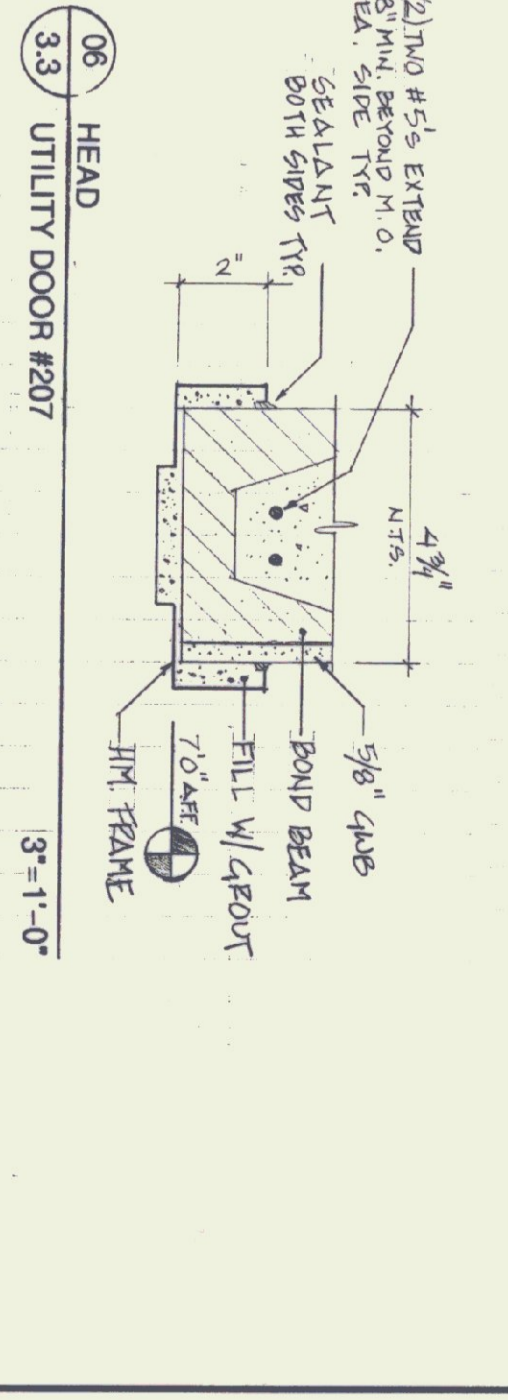
FOLDING TABLE WINDOW



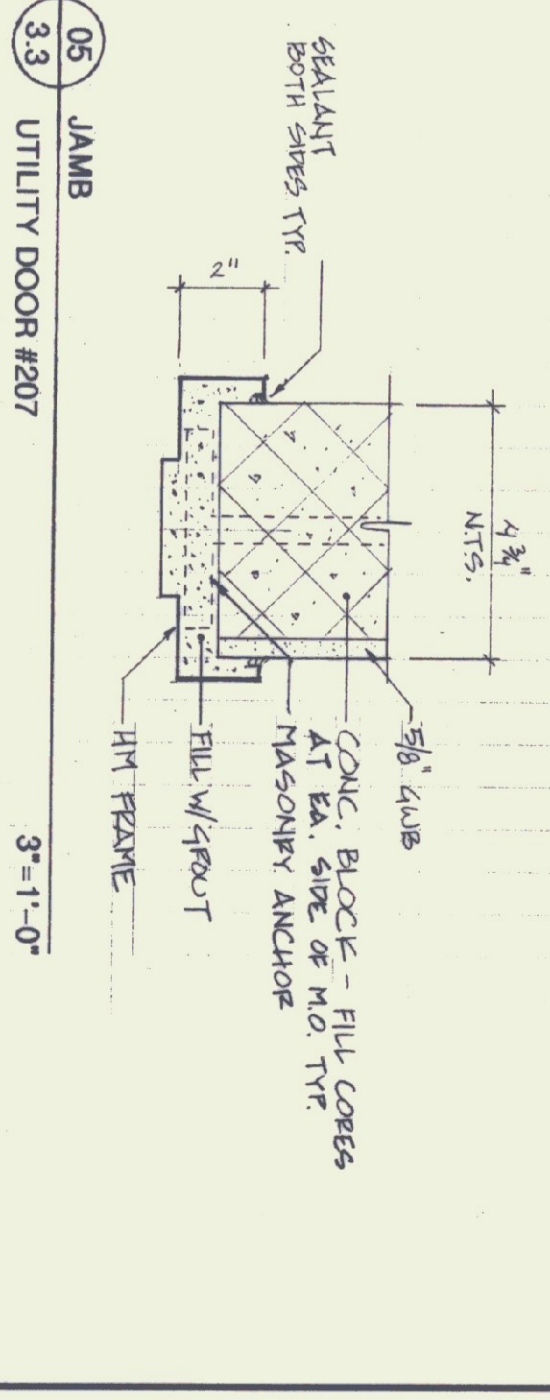
08 HEAD UNISEX TILT DOOR #206
 3'-1-0"



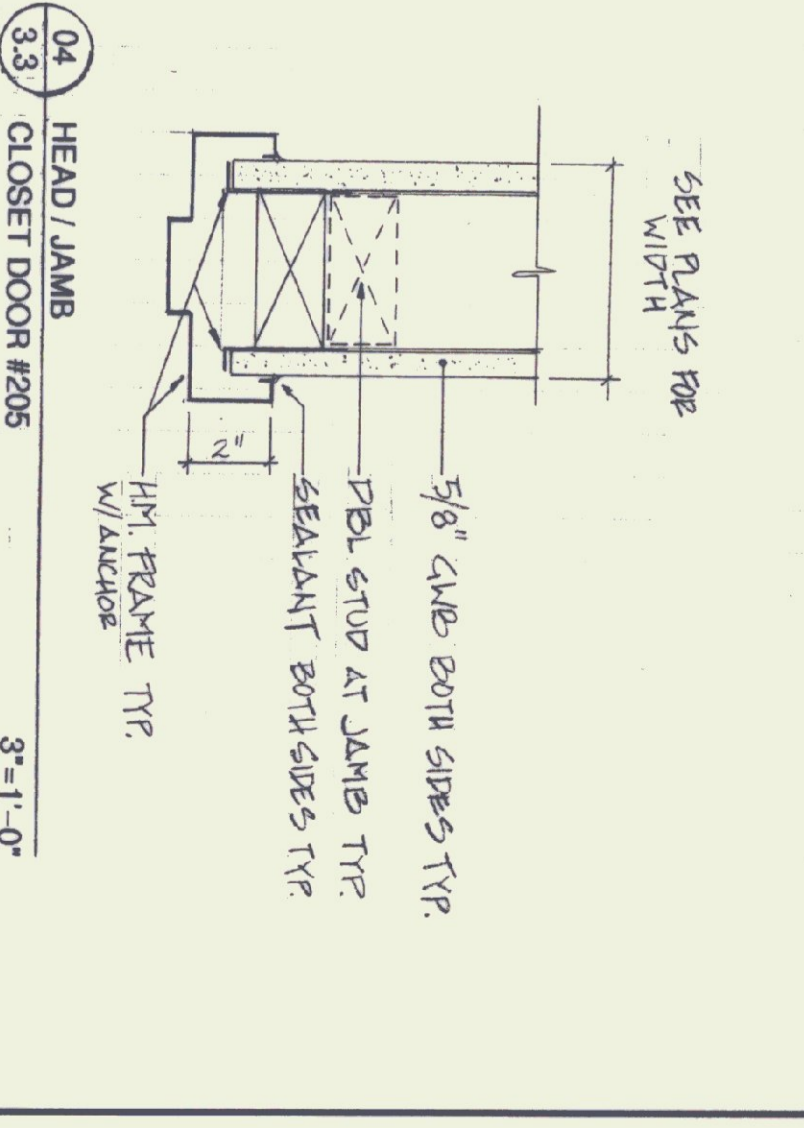
07 JAMB UNISEX TILT DOOR #206
 3'-1-0"



06 HEAD UTILITY DOOR #207
 3'-1-0"



05 JAMB UTILITY DOOR #207
 3'-1-0"

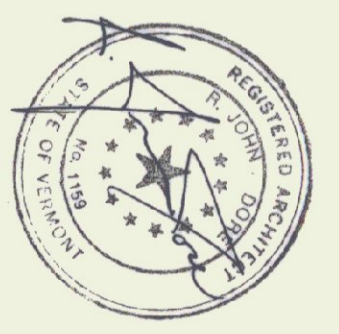


04 HEAD/JAMB CLOSET DOOR #205
 3'-1-0"

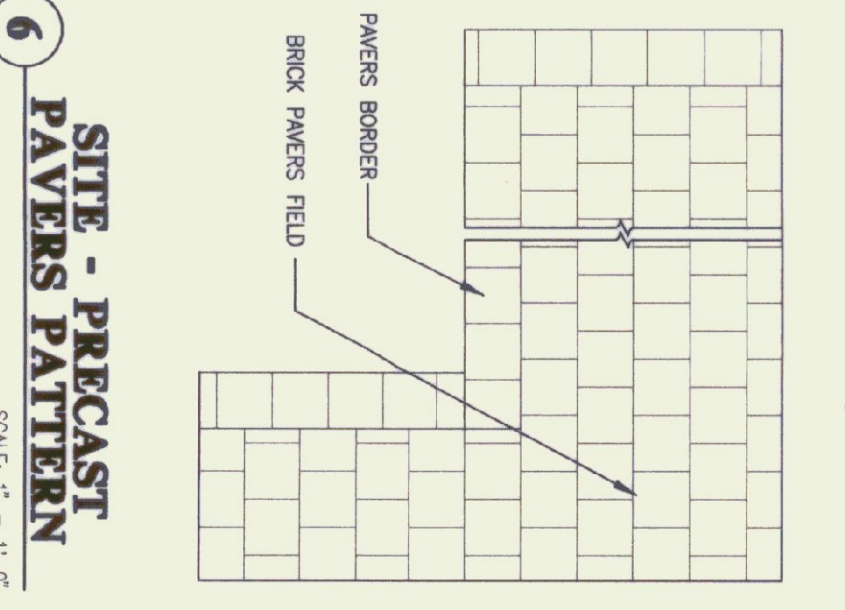
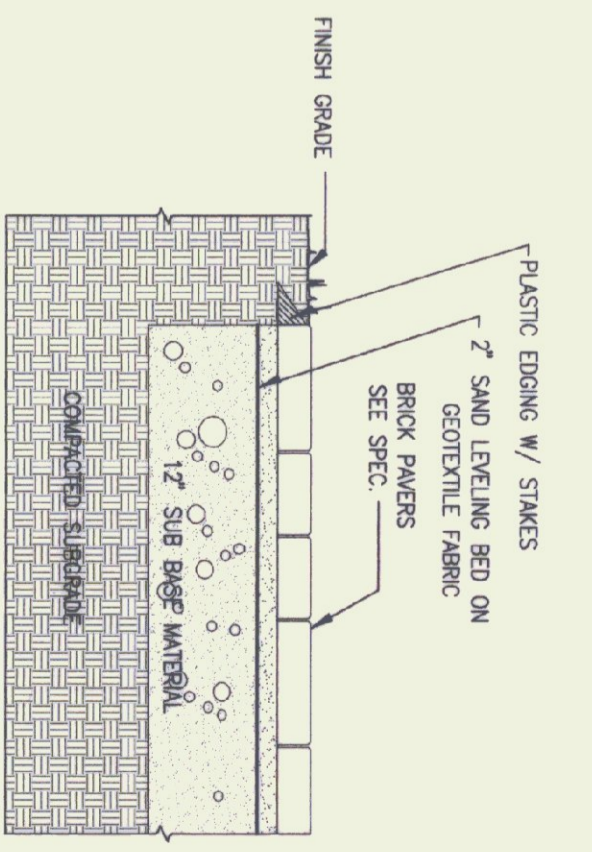
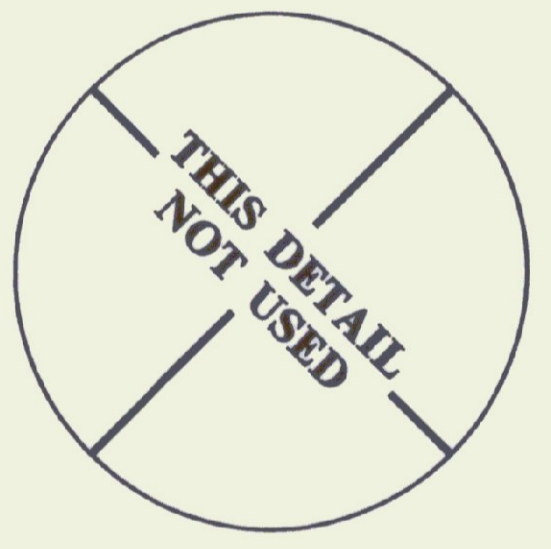
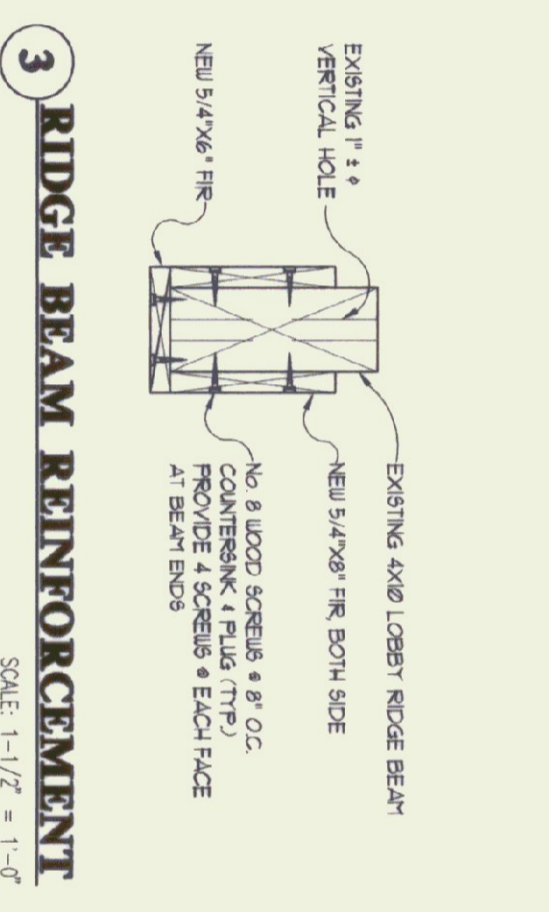
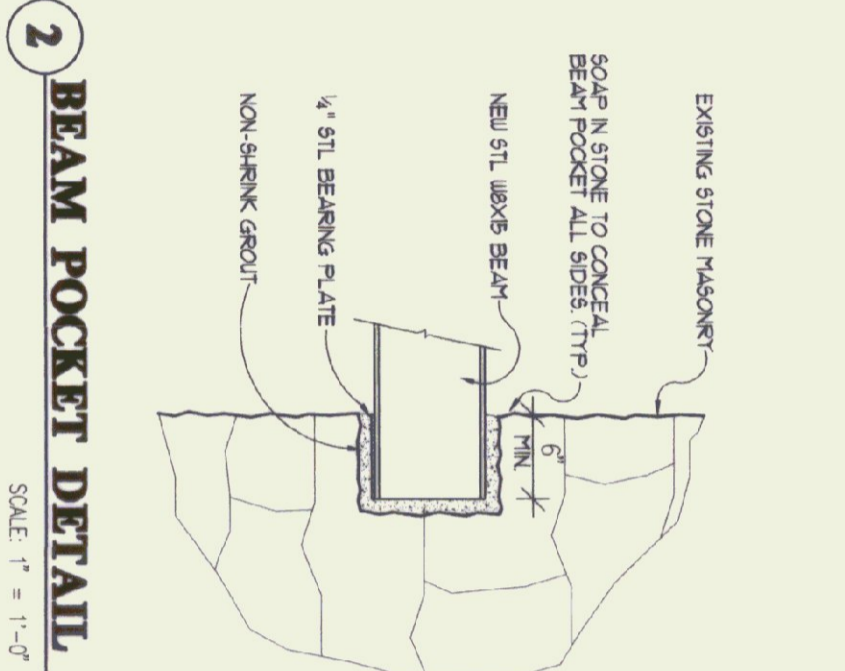
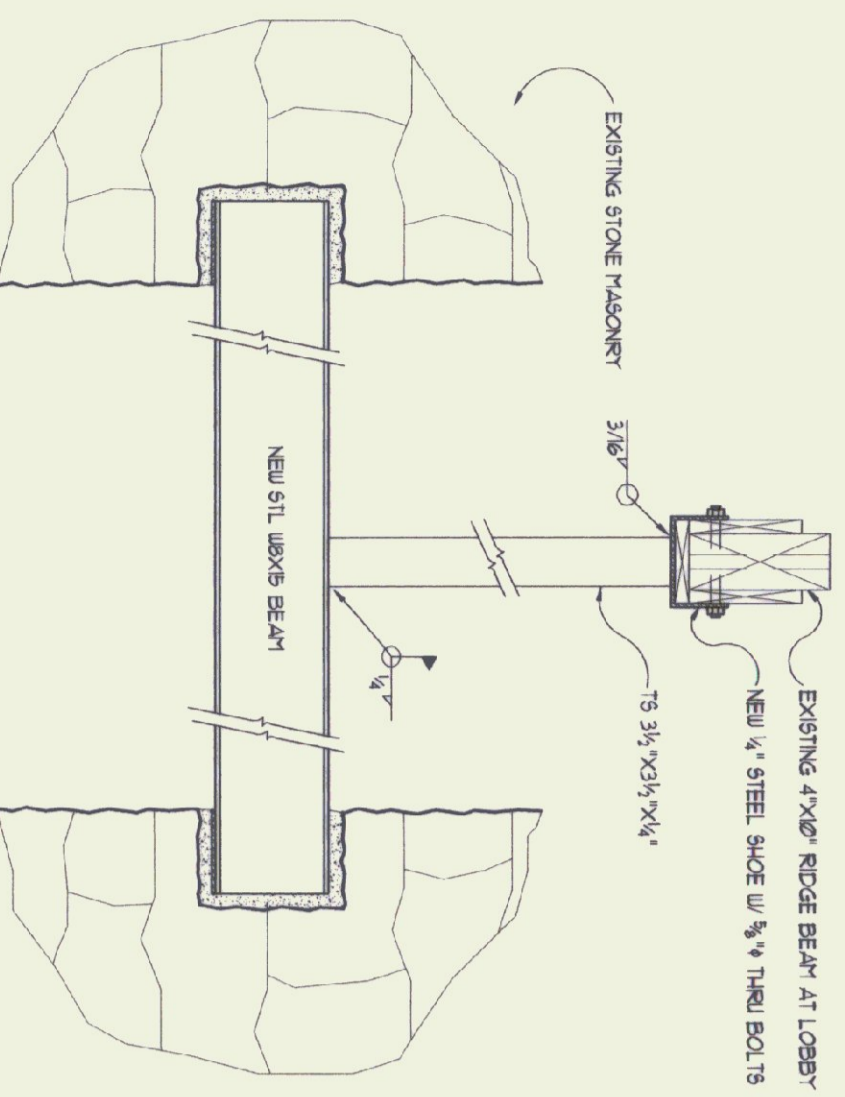
STATE OF VERMONT
 DEPARTMENT OF BUILDINGS
 AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
 NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	AS NOTED		FOLDING TABLE / DOOR AND WINDOW SCHED.
DRAWN BY: MBS	PROJECT NO.:		DRAWING NO.:
CHECKED BY: JBA	M. 089-9 (30)		A-3.3



AS BUILTS
 DATE: 7/21/99



AS BUILT
DATE: 7/2/99

1 RIDGE BEAM SUPPORT
SCALE: 1" = 1'-0"

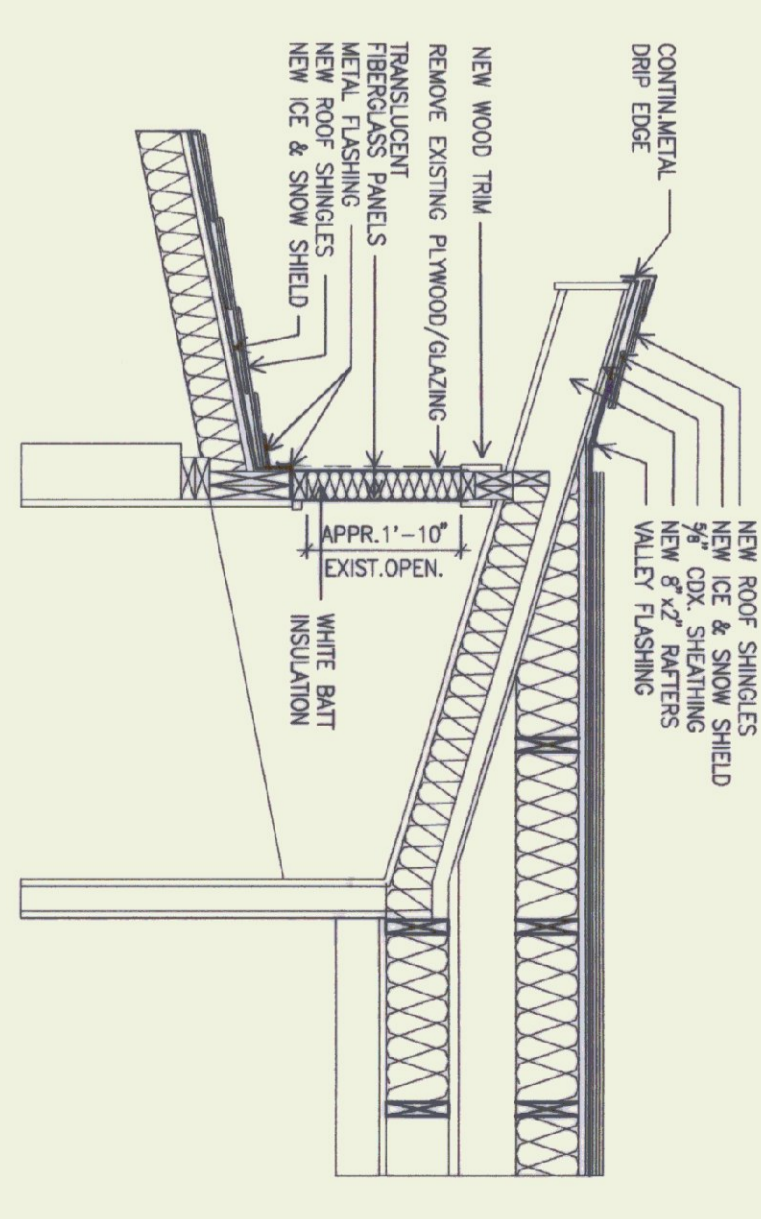
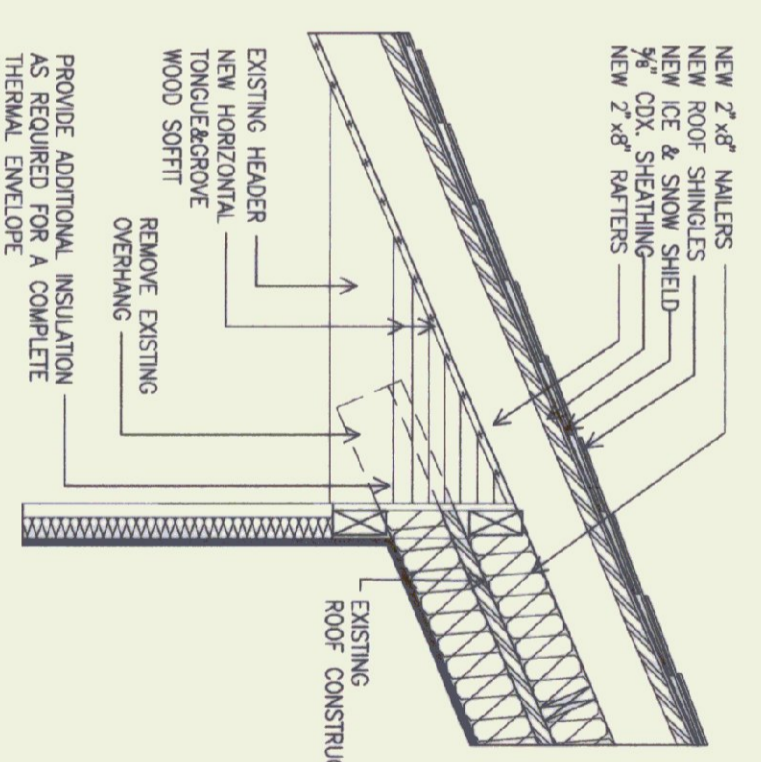
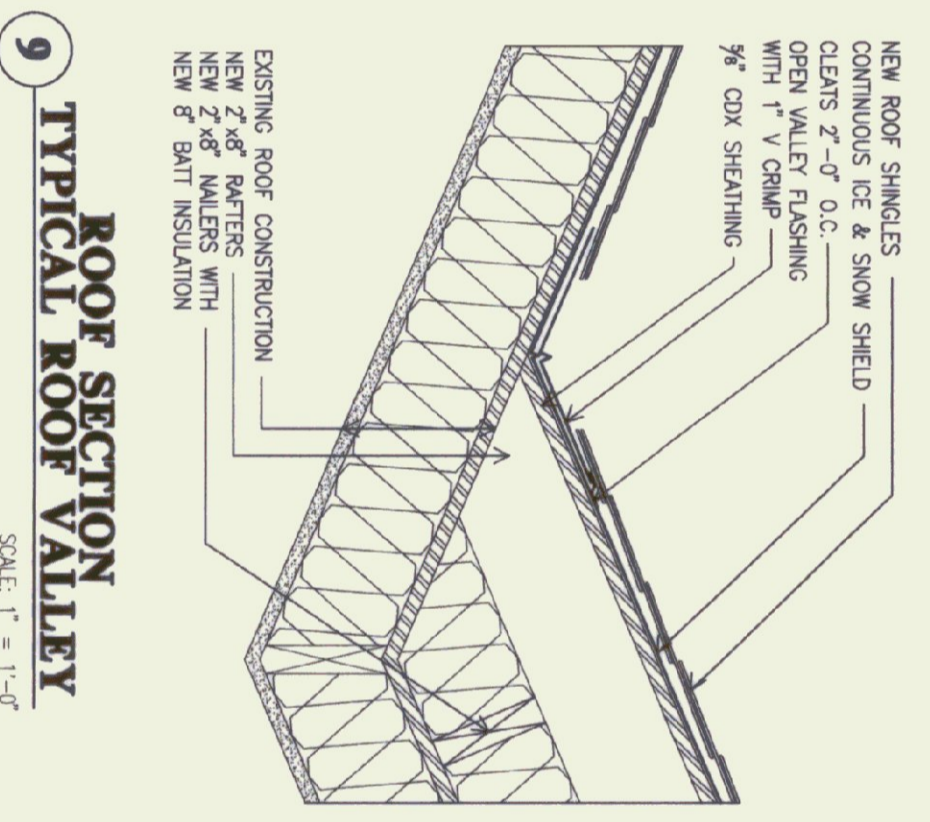
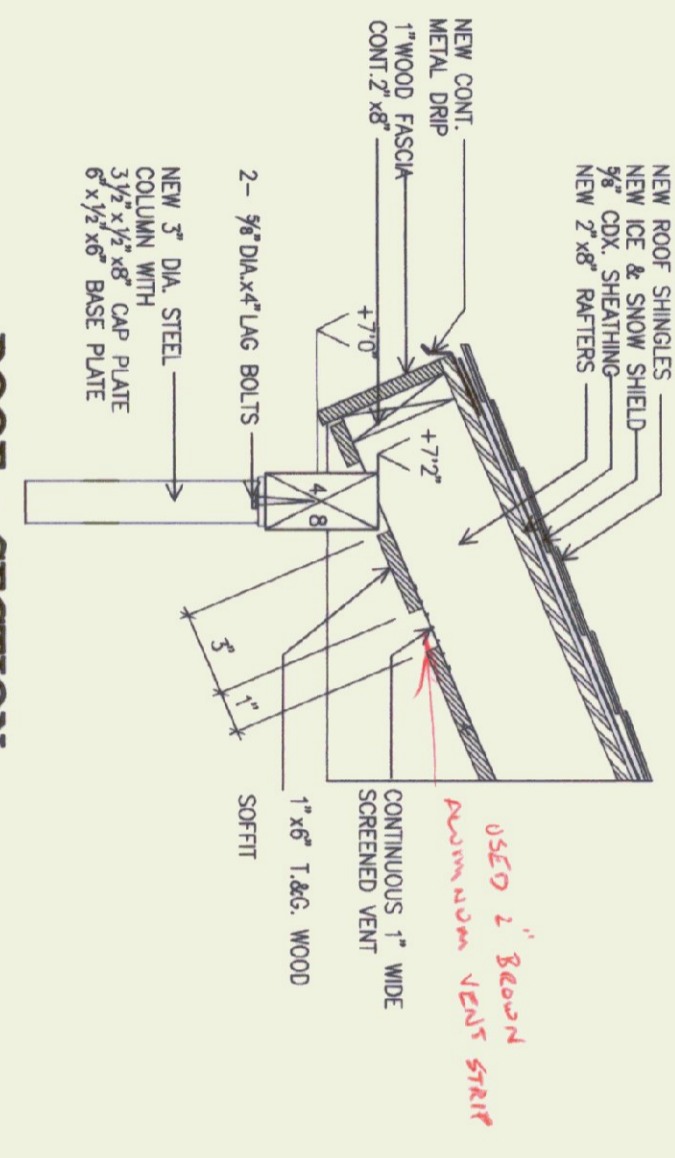
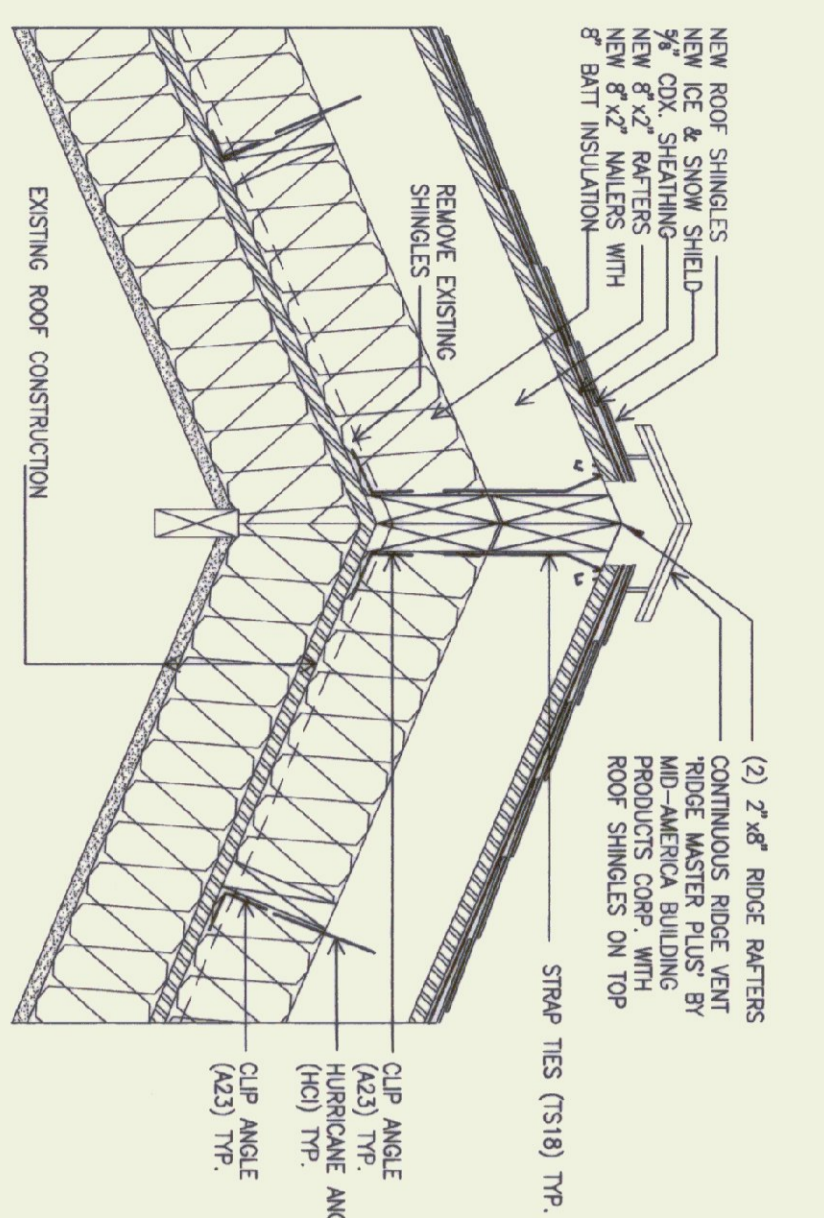
2 BEAM POCKET DETAIL
SCALE: 1" = 1'-0"

3 RIDGE BEAM REINFORCEMENT
SCALE: 1-1/2" = 1'-0"

4 ASPHALT PAVEMENT
SCALE: 1" = 1'-0"

5 SITE - PRECAST PAVERS
SCALE: 1" = 1'-0"

6 SITE - PRECAST PAVERS PATTERN
SCALE: 1" = 1'-0"



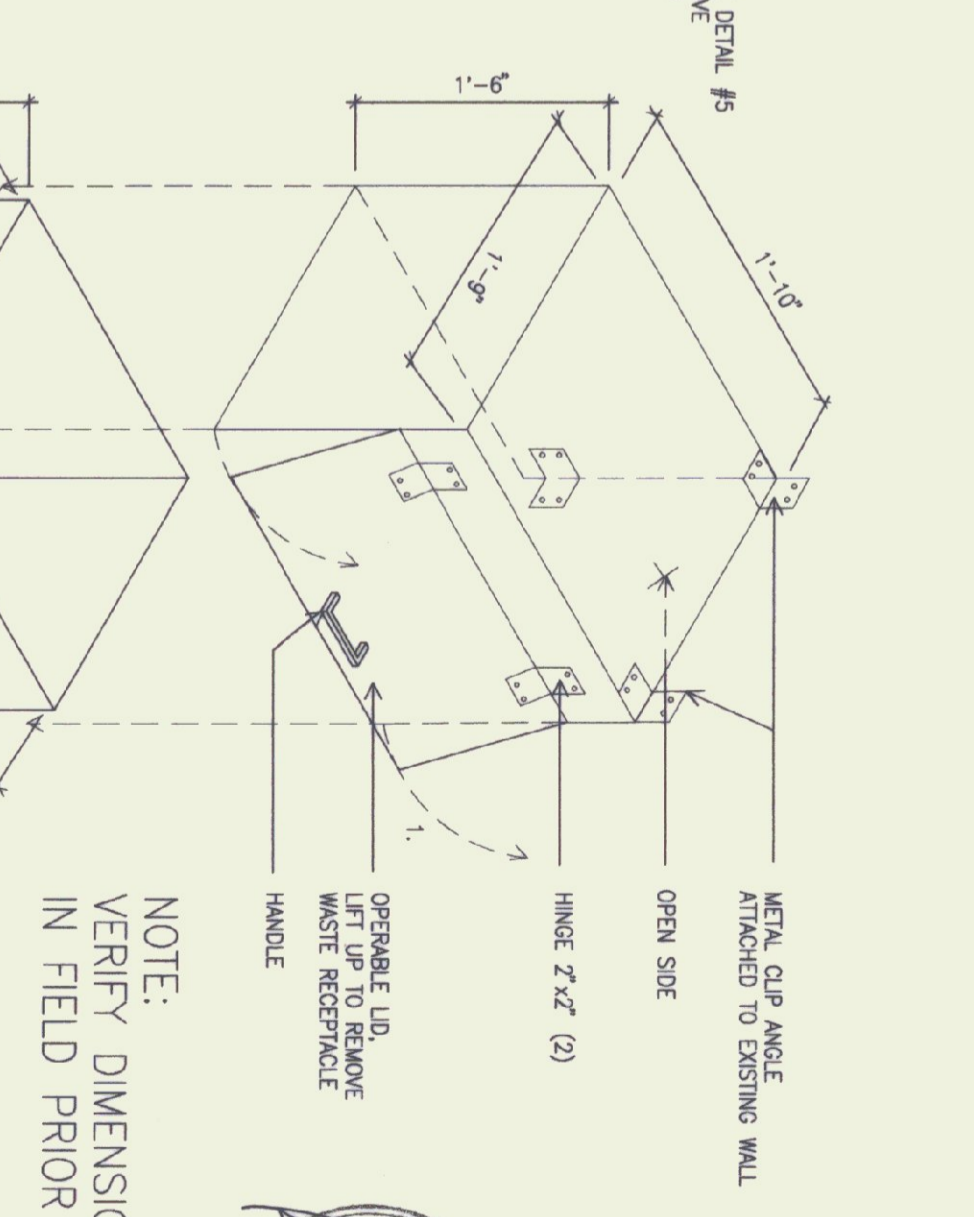
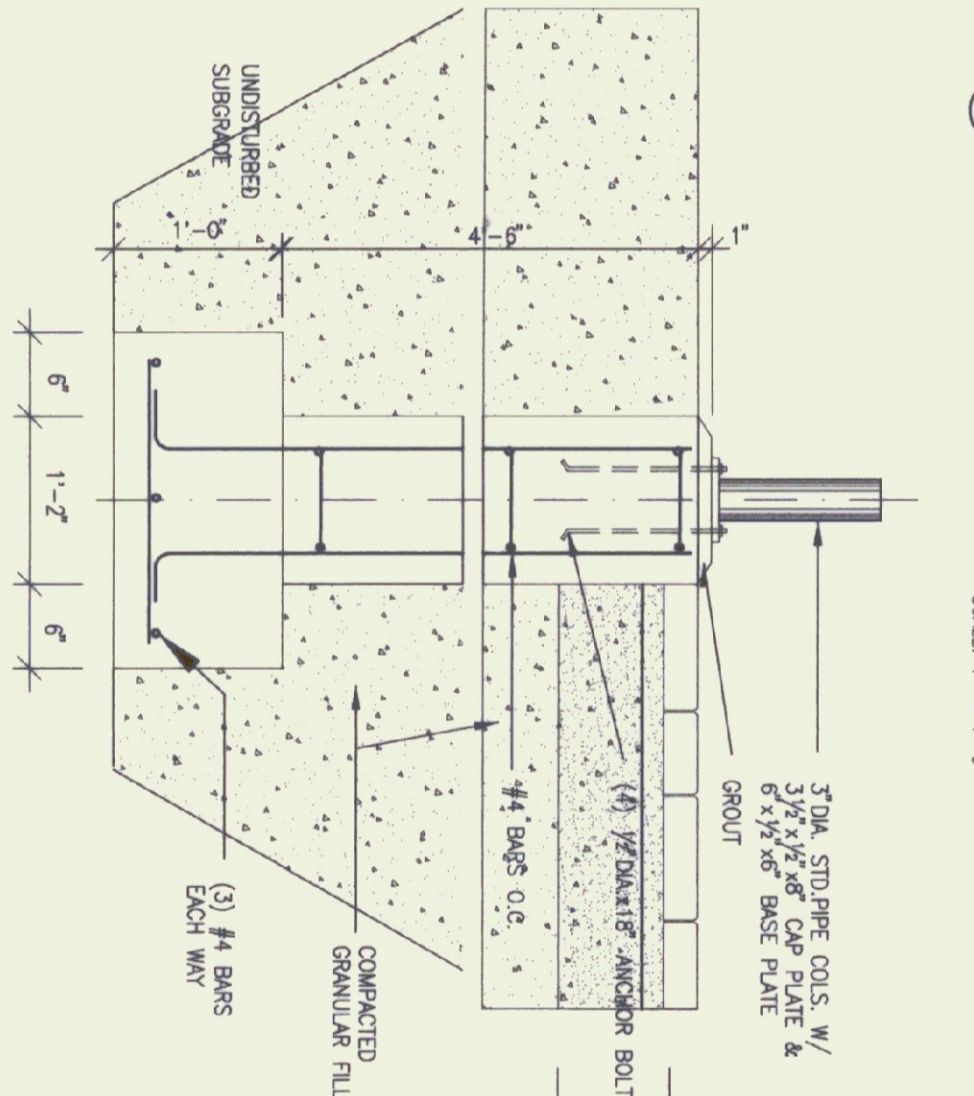
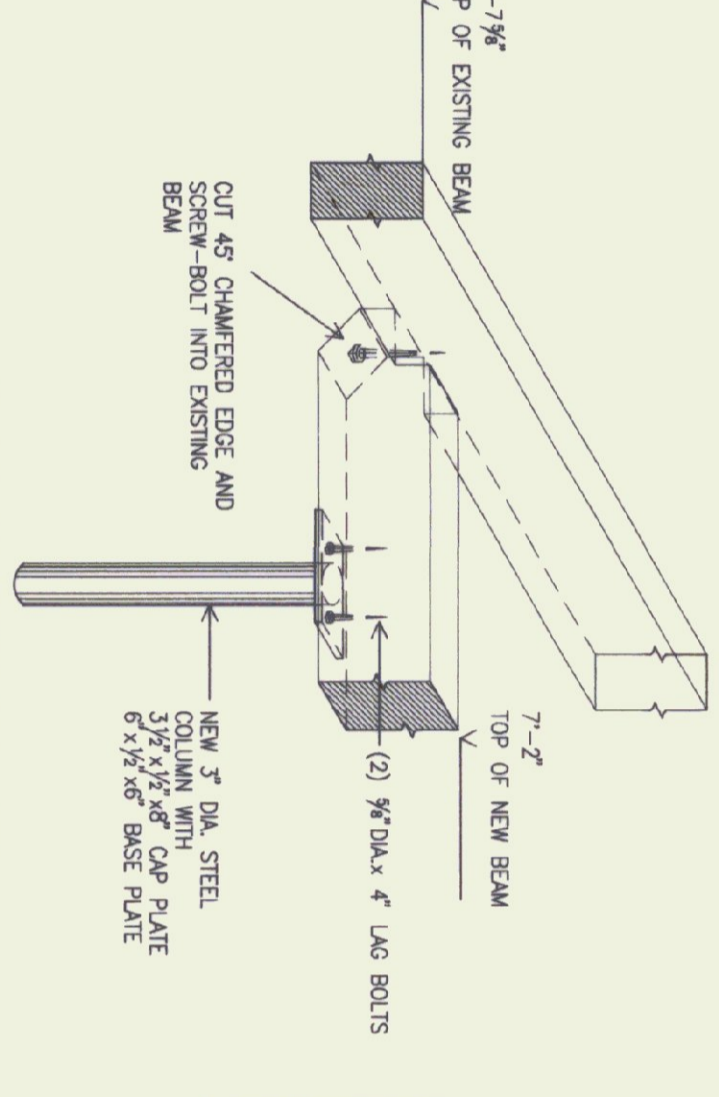
8 TYPICAL ROOF EAVE
SCALE: 1" = 1'-0"

9 TYPICAL ROOF VALLEY
SCALE: 1" = 1'-0"

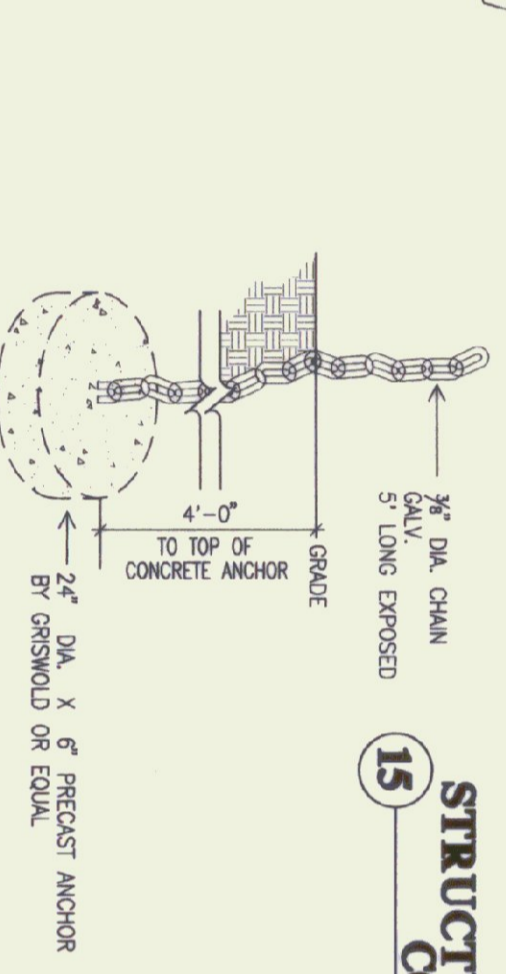
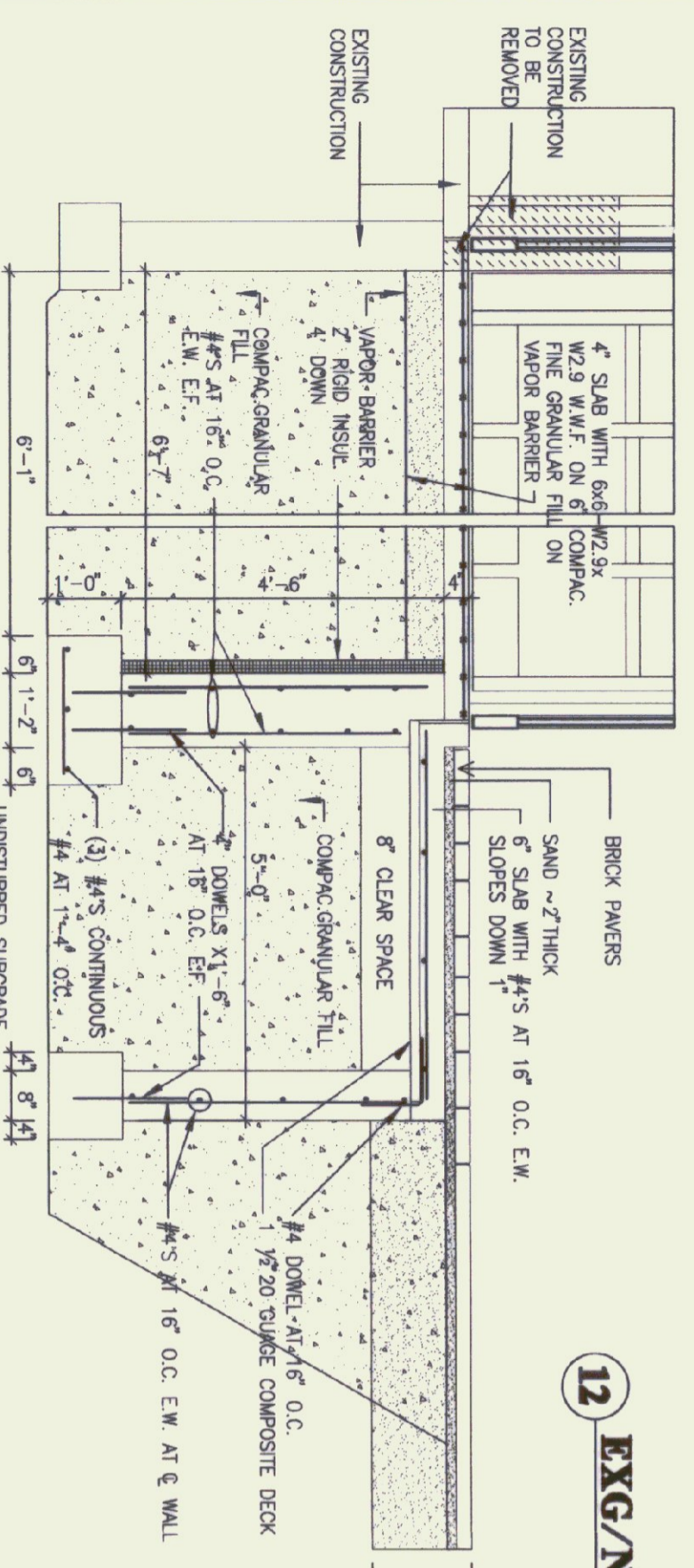
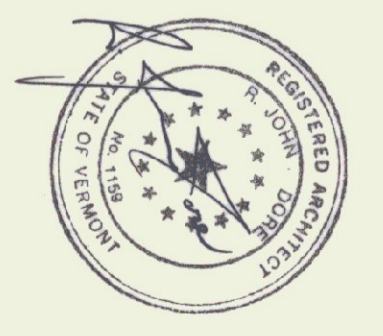
10 DETAIL AT EXG / NEW ROOF
SCALE: 1" = 1'-0"

11 ROOF SECTION CLEVERSTORY WINDOWS
SCALE: 1" = 1'-0"

7 TYPICAL ROOF RIDGE
SCALE: 1" = 1'-0"



NOTE:
VERIFY DIMENSIONS FOR WASTE RECEPTACLE
IN FIELD PRIOR TO FABRICATION



15 STRUCTURAL FOUNDATION COLUMN BASE DETAIL
SCALE: 1" = 1'-0"

16 WASTE RECEPTACLE DETAILS
SCALE: 1" = 1'-0"

13 STRUCTURAL FOUNDATION DETAIL EXISTING / NEW
SCALE: 1 1/2" = 1'-0"

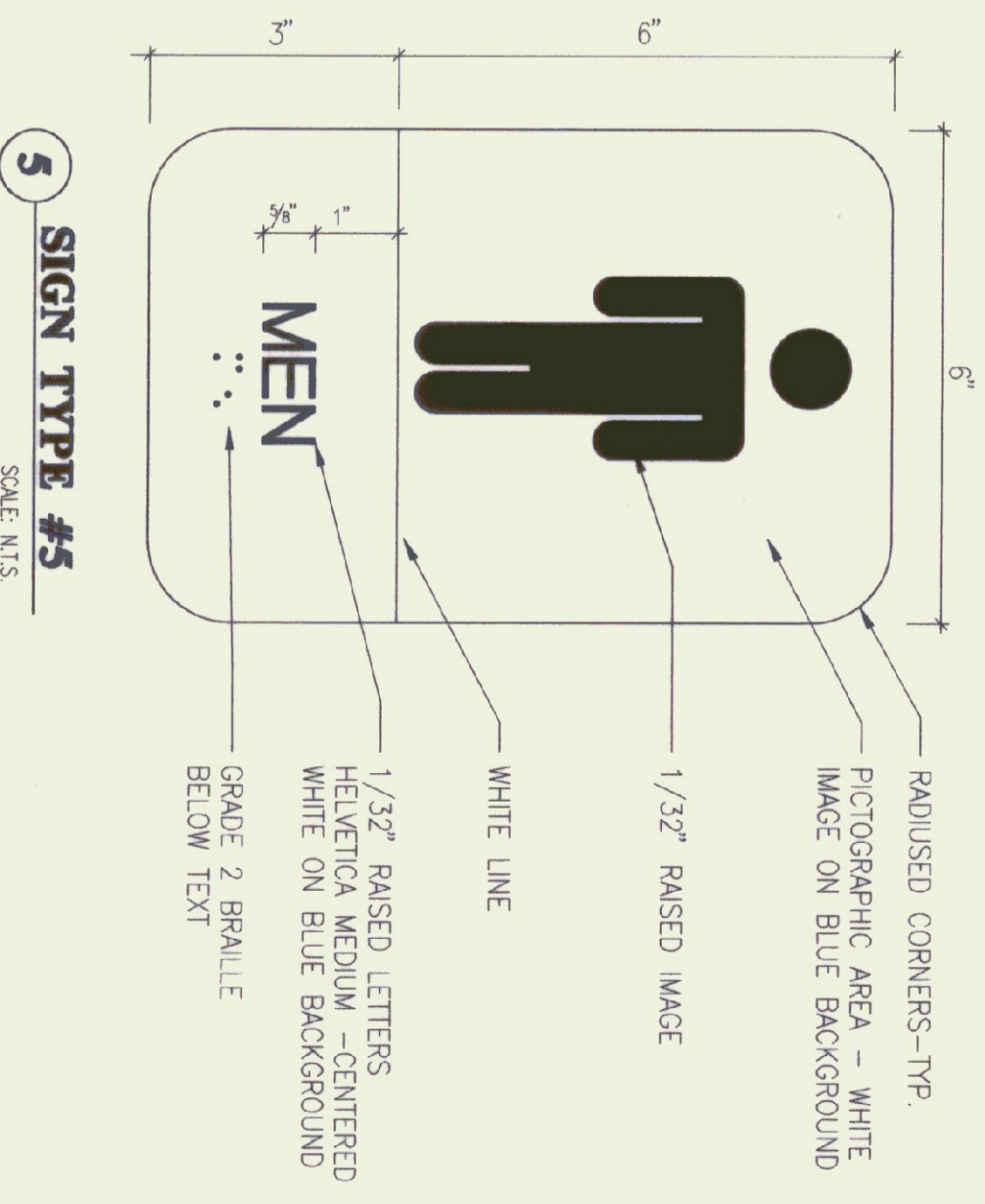
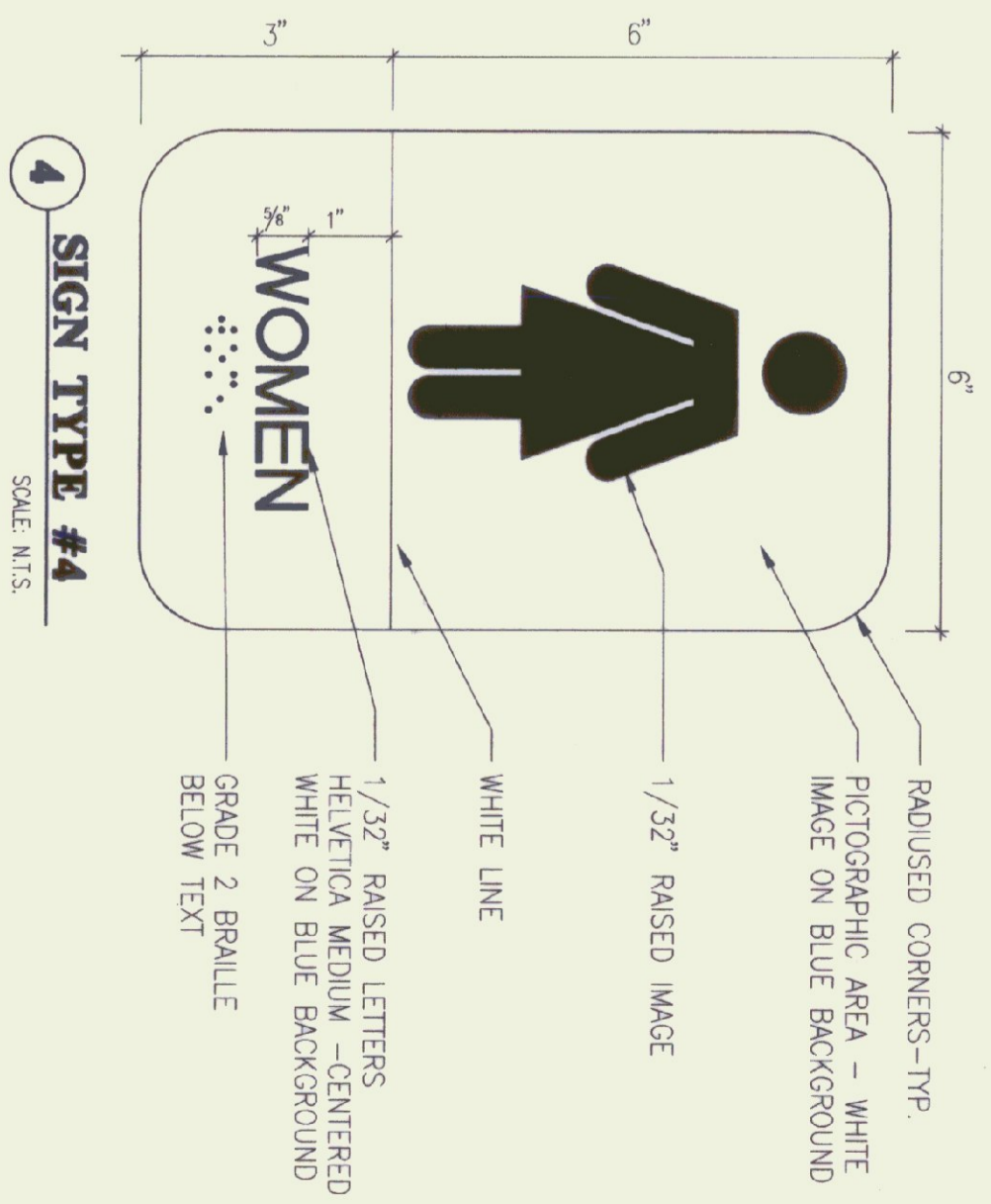
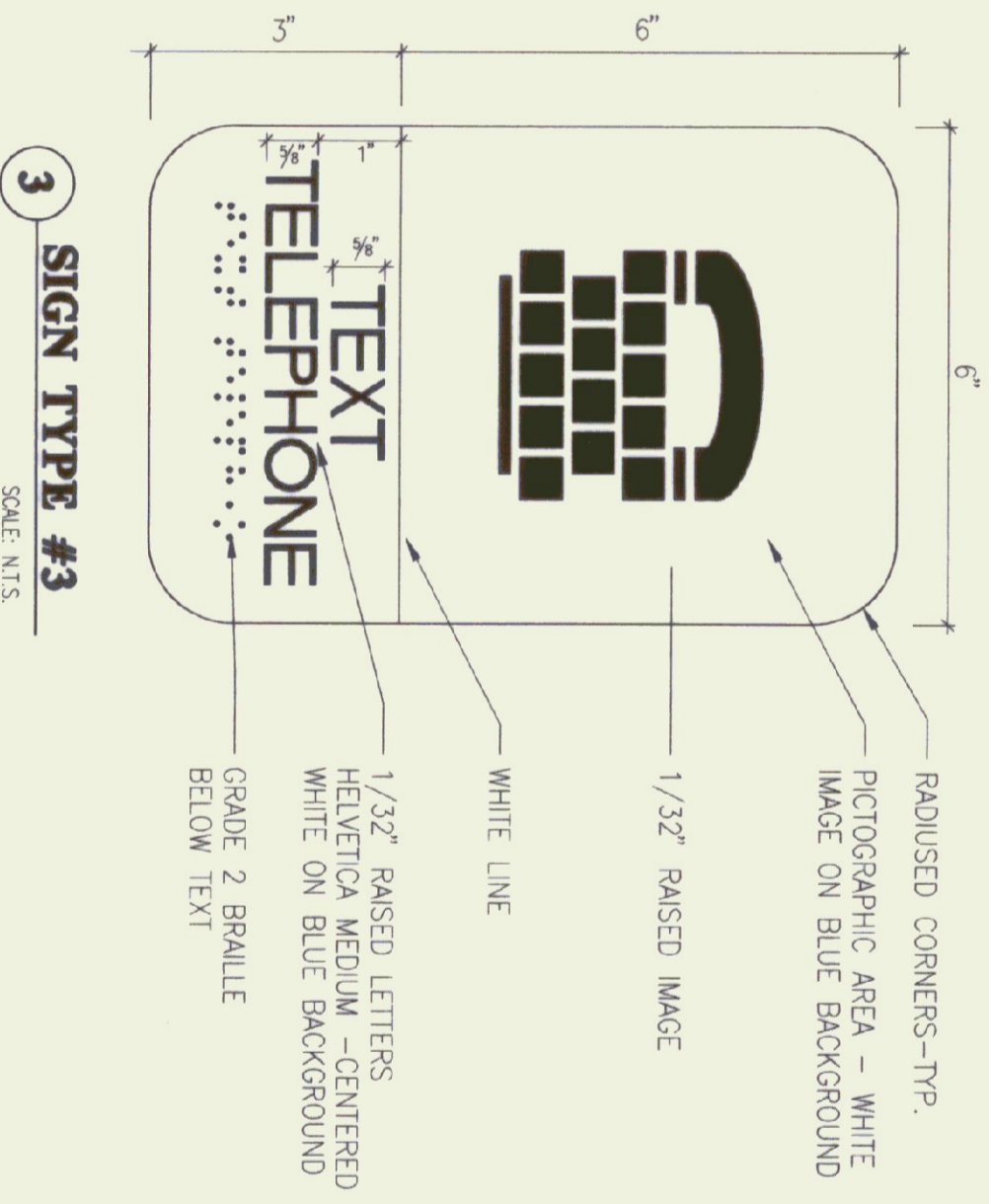
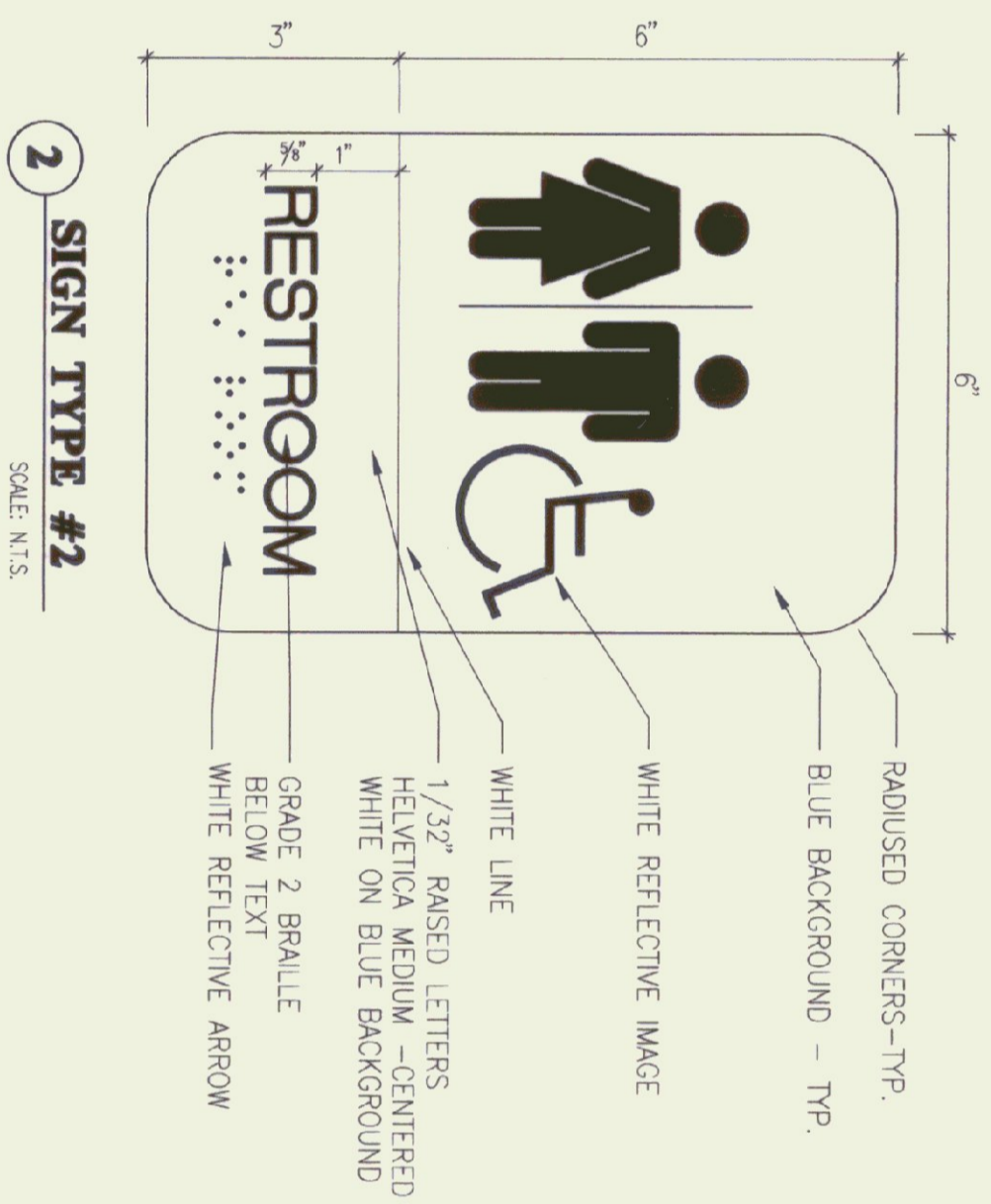
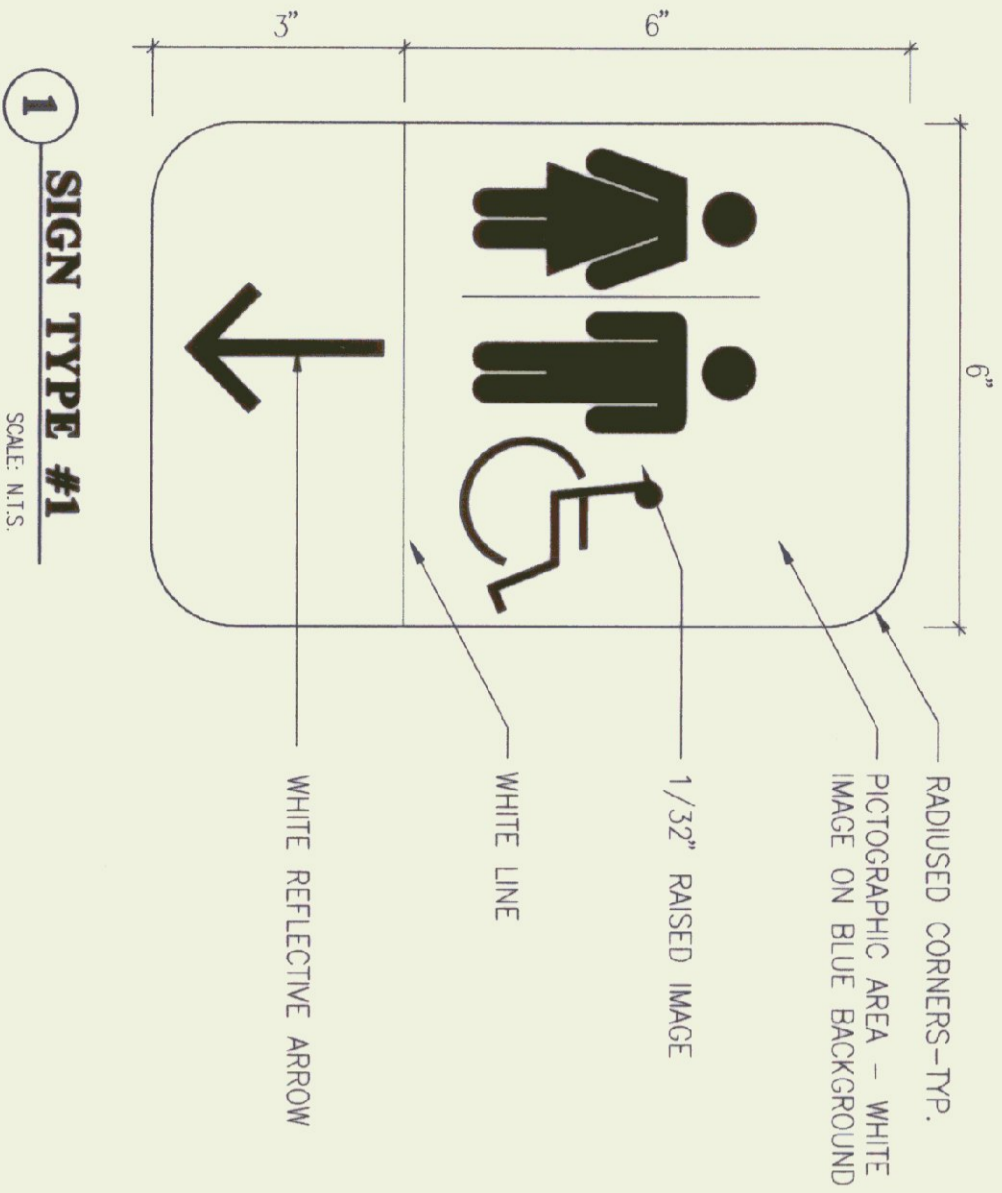
14 CONCRETE ANCHOR FOR PICNIC TABLE AND BENCHES
SCALE: 1 1/2" = 1'-0"

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
KIMBERLY VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21, 1998	AS NOTED		MISCELLANEOUS DETAILS
DRAWN BY: MBS	PROJECT NO. M-089-3 (00)		DRAWING NO. A-3.4
CHECKED BY: JBA			

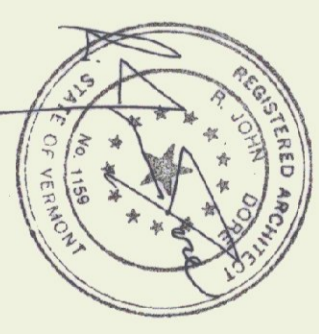
INTERIOR

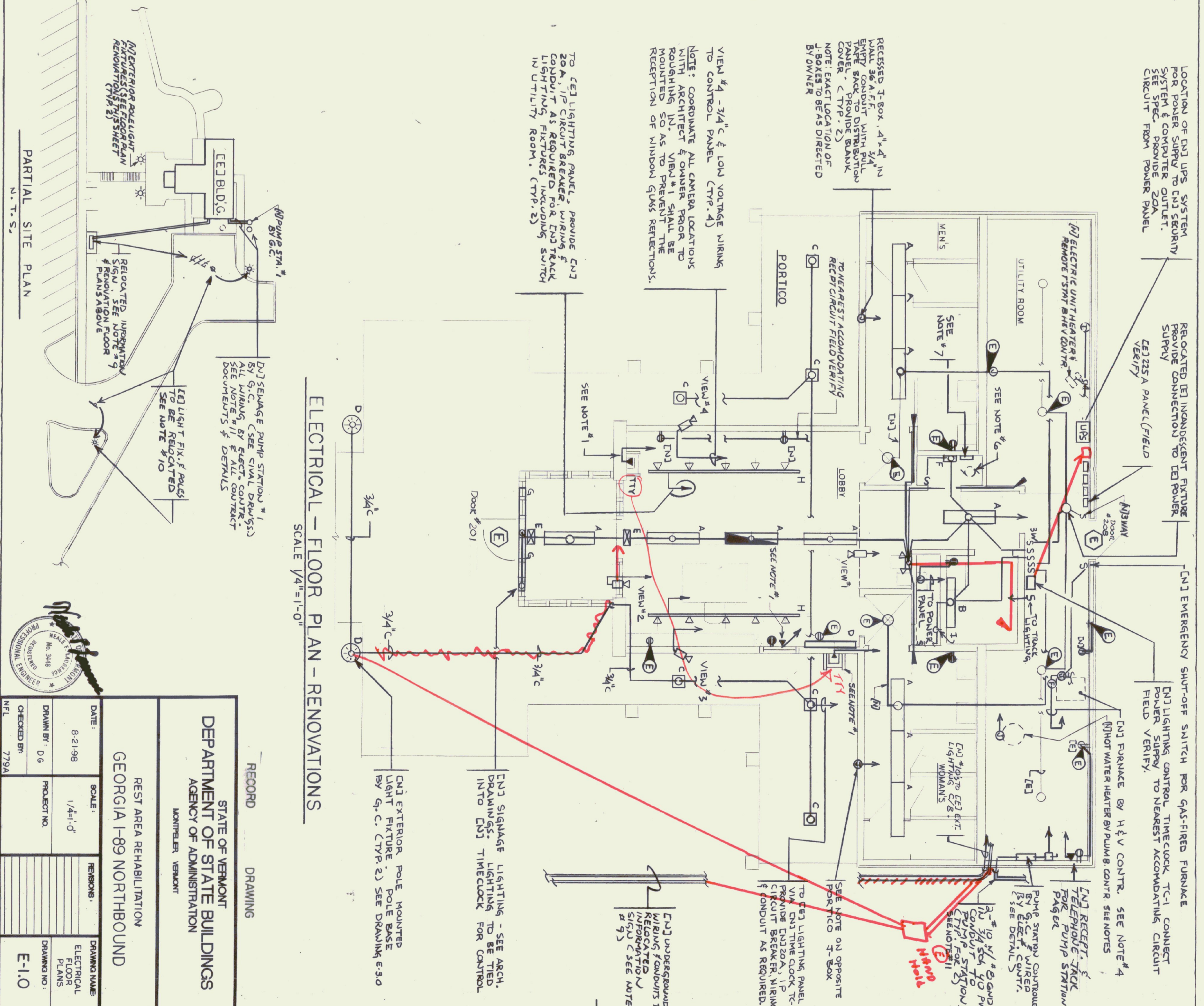
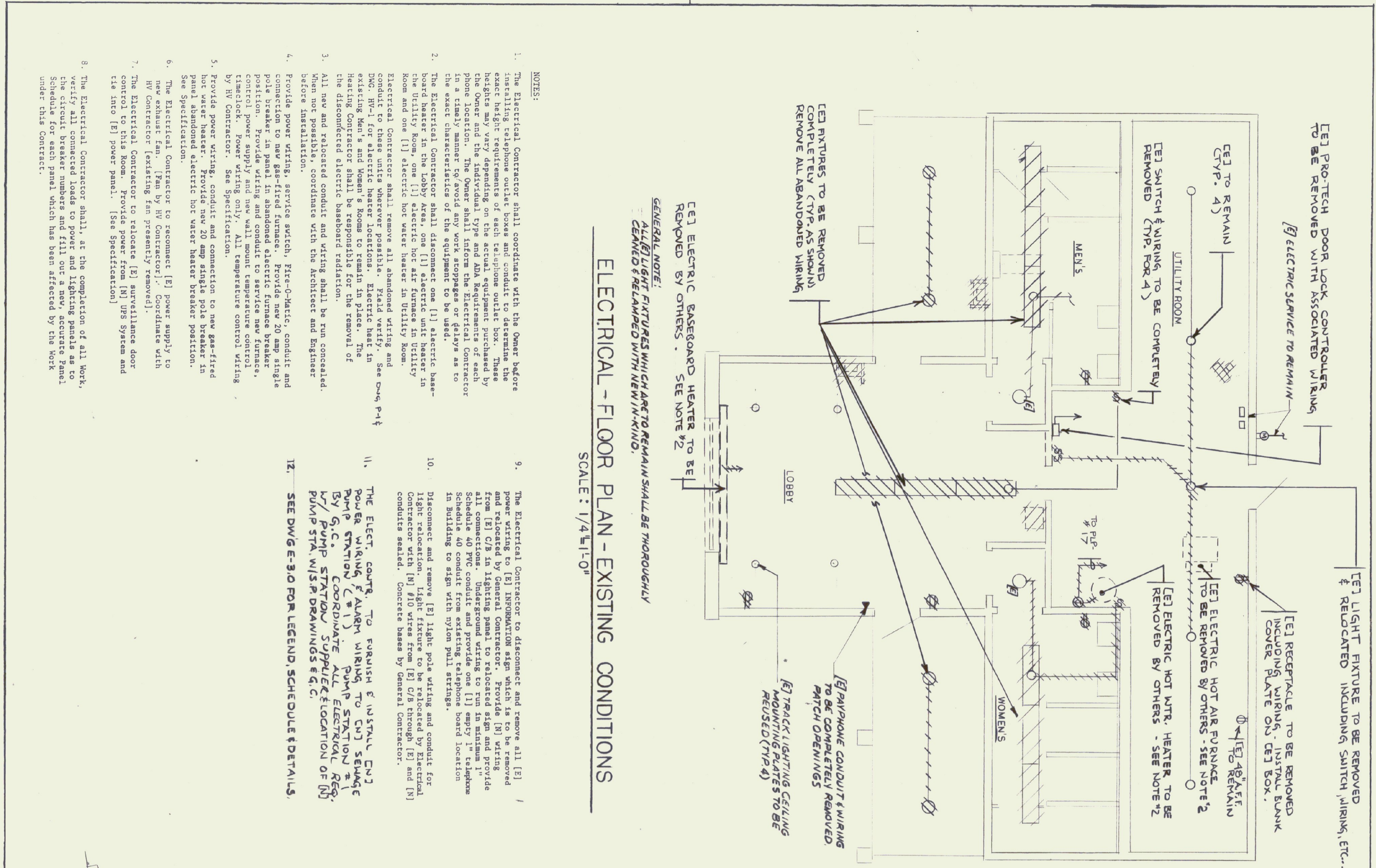


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

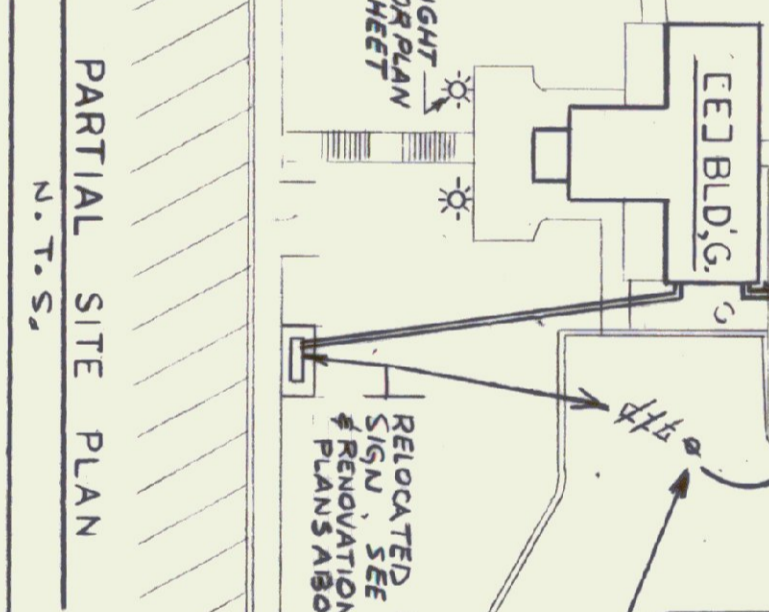
GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

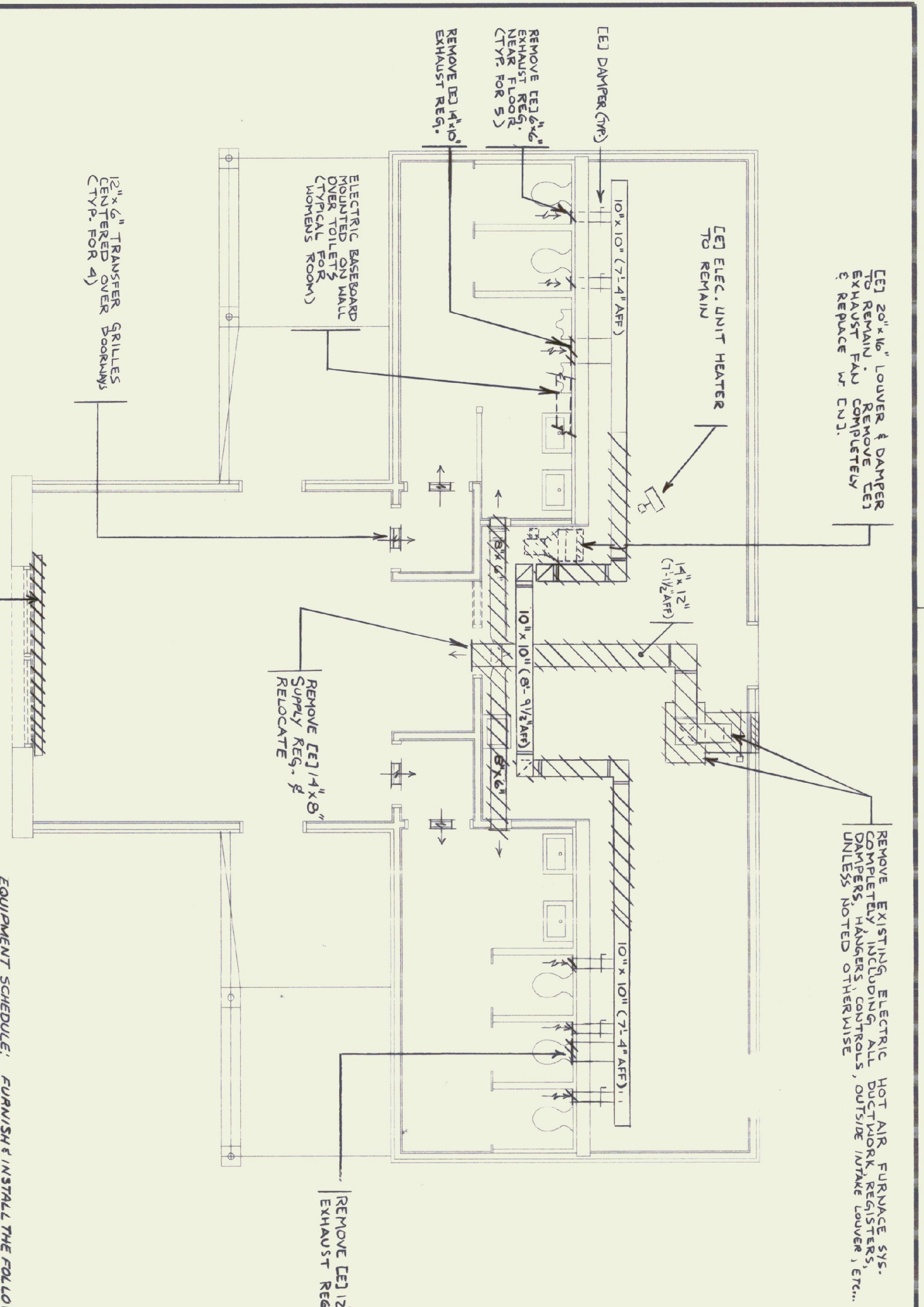
DATE:	JULY 27, 1998	SCALE:	1/8"=1'-0"	REVISIONS:		DRAWING NAME:	SIGNS
DRAWN BY:	MASS	PROJECT NO.:	M-089-3 (30)			DRAWING NO.:	A-3.6
CHECKED BY:	JBA						





<p>RECORD DRAWING</p> <p>STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT</p>		<p>DATE: 8-21-98</p> <p>SCALE: 1/4"=1'-0"</p> <p>REVISIONS:</p>	<p>DRAWING NAME: ELECTRICAL FLOOR PLANS</p> <p>DRAWN BY: D G</p> <p>PROJECT NO.</p> <p>CHECKED BY: 779A</p> <p>DRAWING NO.: E-1.0</p>
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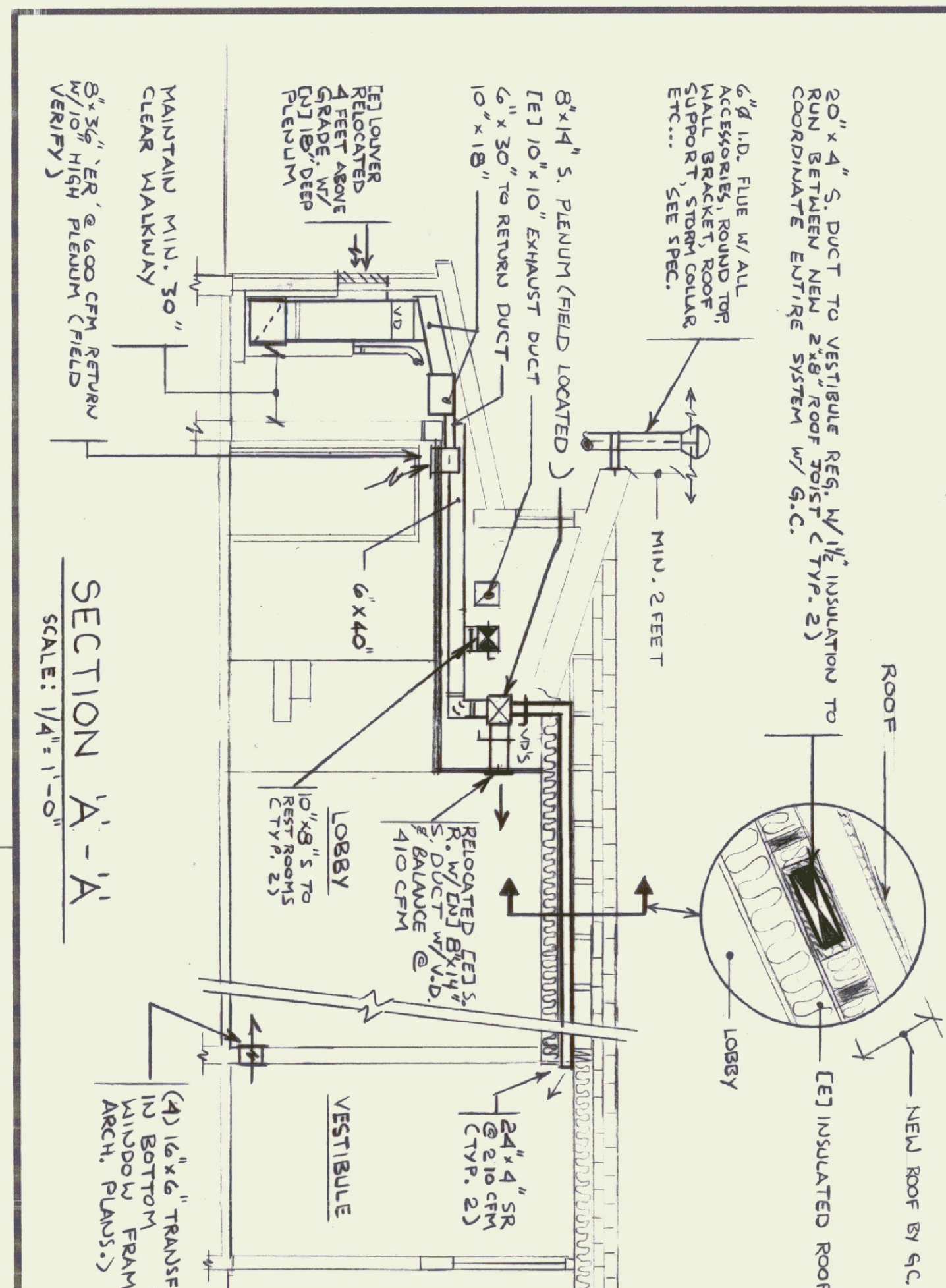
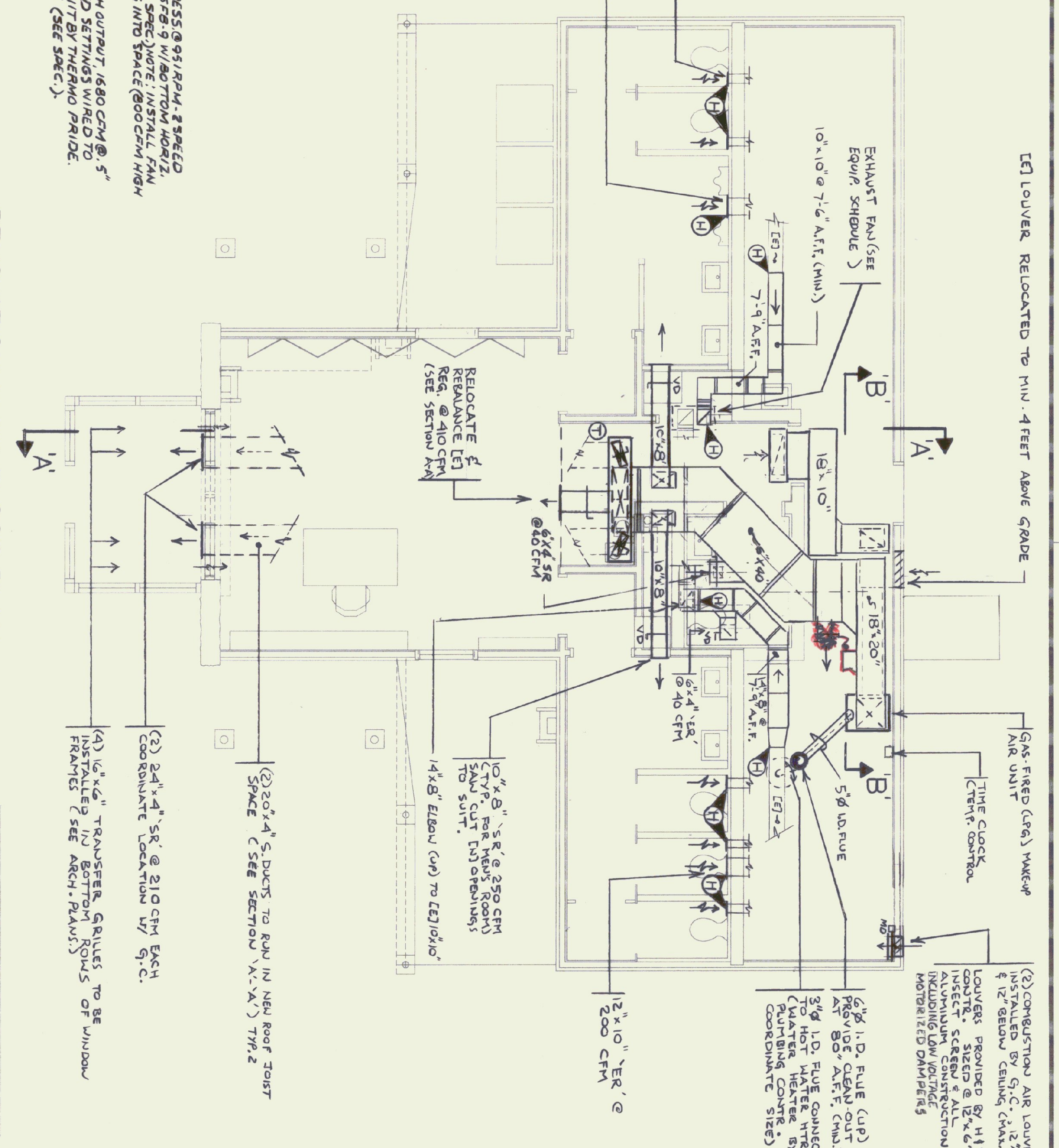




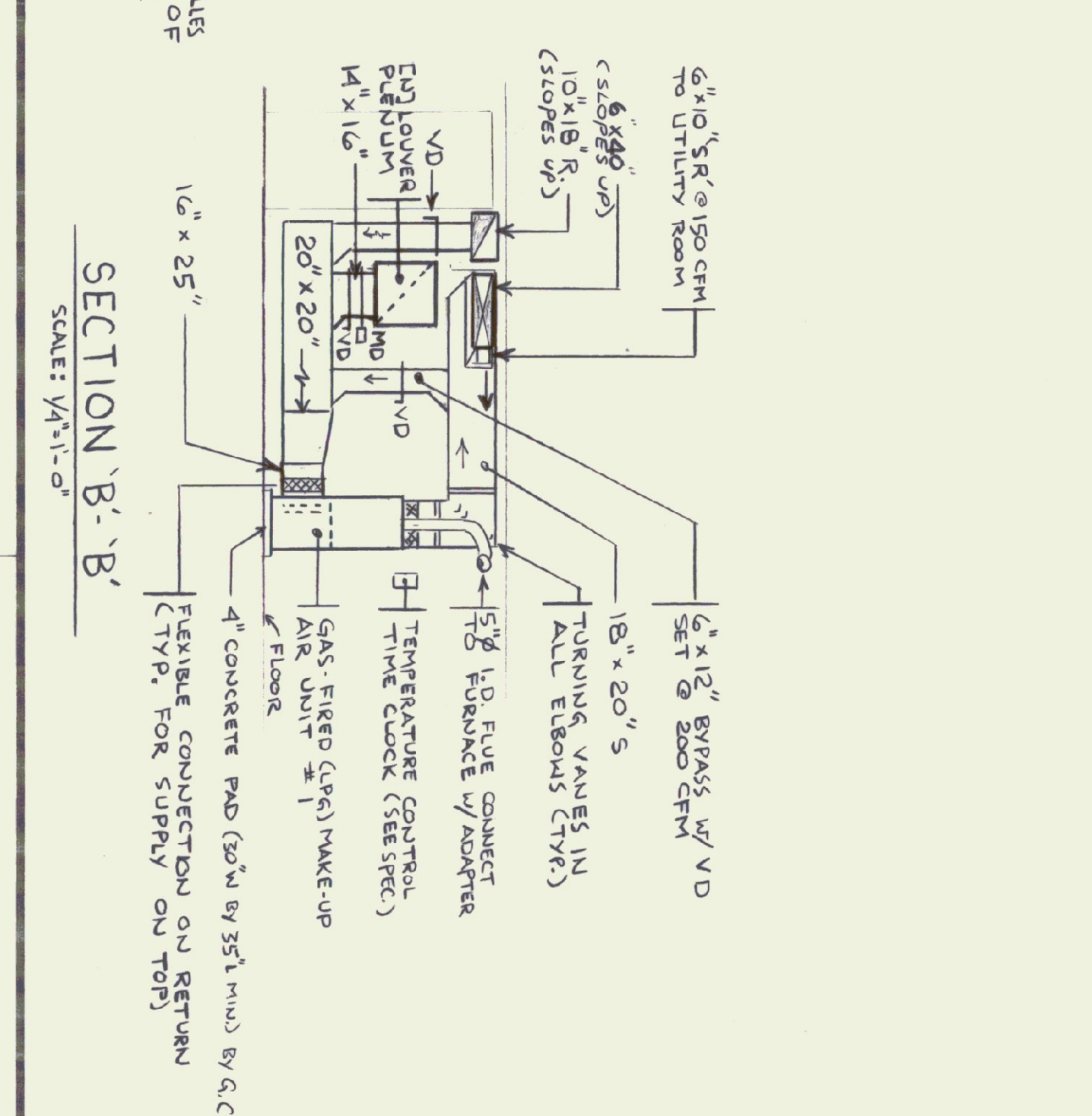
**H & V
DEMOLITION
EXISTING FLOOR PLAN**
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE: FURNISH & INSTALL THE FOLLOWING
EXHAUST FAN #1 - UTILITY TYPE; BELT DRIVEN, RATED @ 800 CFM @ 3" STATIC PRESS @ 951 RPM, 2 SPEED W/ 1/2 HP, 120V/1 PHASE, GREEN/BLACK/WHITE, MODEL STD-9 W/ 180" BOTTOM HORIZ. DISCHARGE; STALLING REVISED PULCHWORK. FOR FITTING INTO SPACE (@ 800 CFM HIGH SPEED 1525 RPM ON LOW SPEED).
GAS FIRED MAKE - GAS FIRED FURNACE RATED @ 125 MBH LG INPUT, 100 MBH OUTPUT, 1680 CFM @ 5" STATIC PRESS, 3/4 HP, 120V/1 PHASE, MOTOR W/ 4" MIN. SPEED SETTINGS W/ 1" TO 1 1/2" MH SETTINGS, FURNISH W/ VENT. DAMPER & FILTER, UNIT BY THERMO PRIDE. HIGHBOY SECTIONAL GAS FURNACE MODEL NO. 144, 125 (SEE SPEC.).

RENOVATION - H & V FLOOR PLAN
SCALE: 1/4" = 1'-0"



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



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

H & V LEGEND

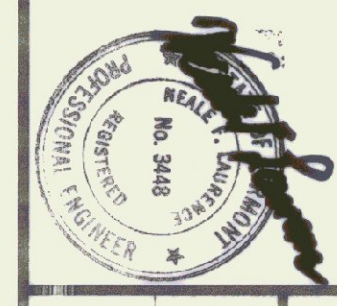
N	NEW
E	EXISTING
XXXXXX	EXISTING TO BE REMOVED
---H---	TRANSFER GRILLE
---P---	POINT OF CONNECTION-NEW TO EXIST
---A---	AIR SUPPLY
---V---	AIR EXHAUST
---M---	VOLUME DAMPER
---D---	MOTORIZED DAMPER
---A---F---	ABOVE FINISH FLOOR
---E---	EXHAUST REGISTER
---S---	SUPPLY DAMPER

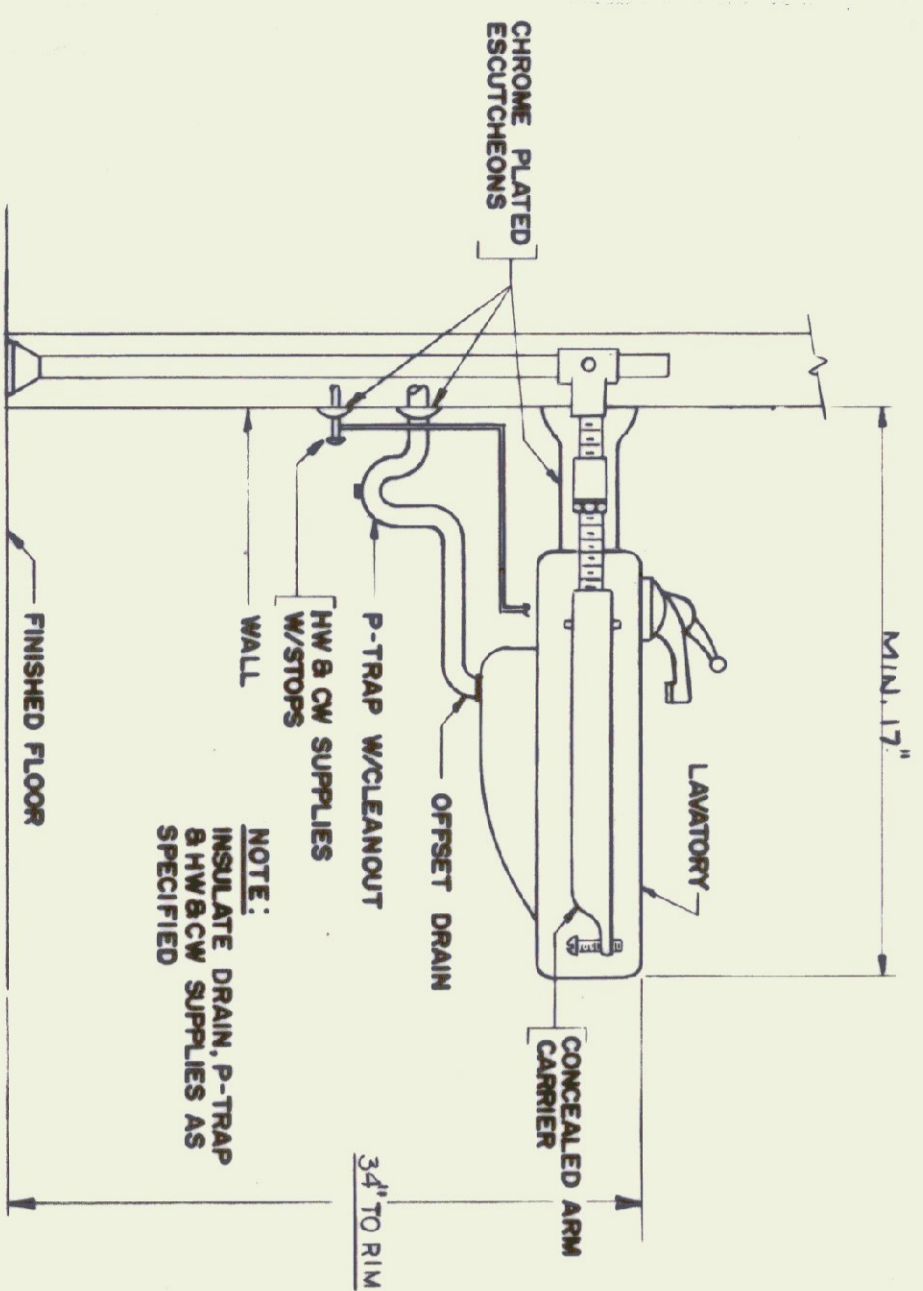
RECORD DRAWING

**STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT**

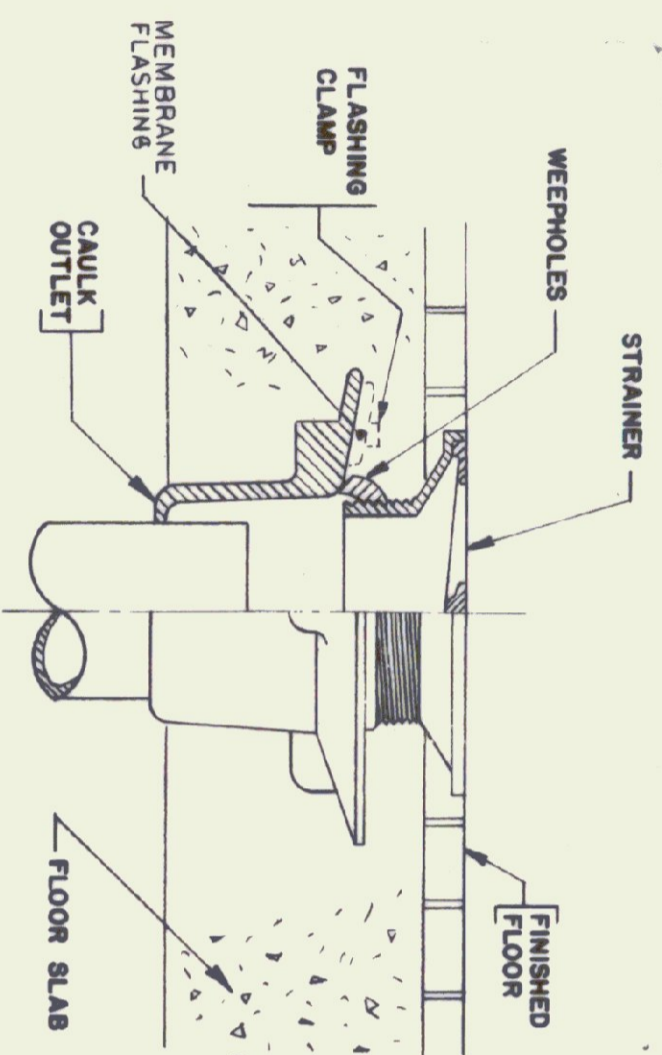
**REST AREA REHABILITATION
GEORGIA - 189 SOUTHBOUND
HEATING & VENTILATING - DEMOLITION
& RENOVATION FLOOR PLANS & DETAILS**

DATE: 8-21-98
SCALE: 1/4" = 1'-0"
DRAWING NO: H-2.0
DRAWING MAKE: HEATING & VENTILATING





HANDICAPPED LAVATORY MOUNTING DETAIL
NOT TO SCALE

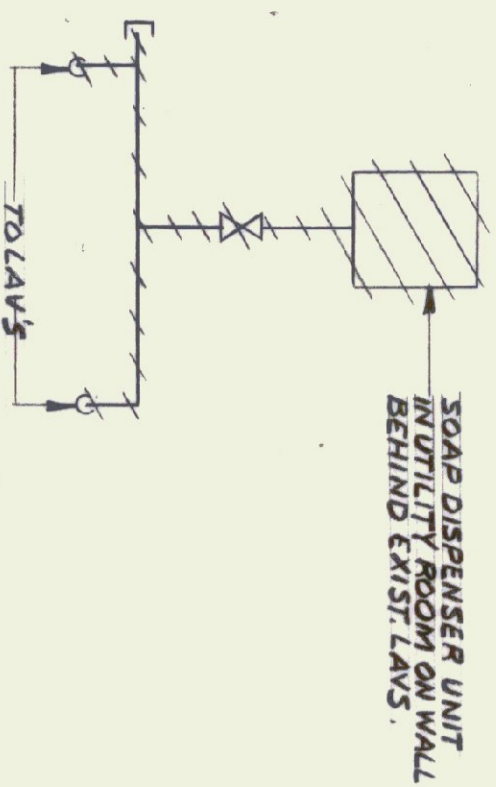


FLOOR DRAIN DETAIL
NOT TO SCALE

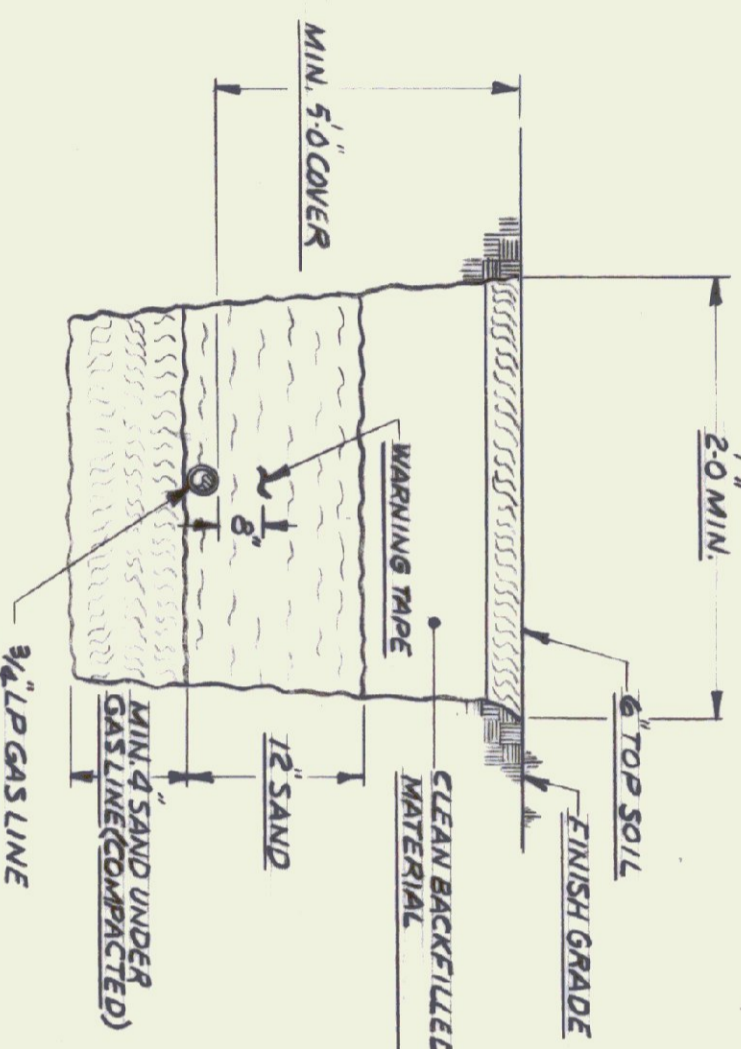
PLUMBING FIXTURE & RUNOUT SCHEDULE						
MARK	FIXTURE	DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1A	WATER CLOSET (HANDICAP USE)	(REG-USE)	1 1/4"	1 1/2"	4"	2"
P-2A	LAVATORY - WALL HUNG (HANDICAP USE)		1 1/2"	1 1/2"	1 1/2"	1 1/2"
P-3A	DOUBLE WATER COOLER (REG+HANDI)		1 1/2"	(2) 1 1/2"	(2) 1 1/2"	(2) 1 1/2"

PLUMBING LEGEND	
✓	SYMBOLS USED ARE INDICATED BY A CHECK (✓)
—	SANITARY OR WASTE LINE (ABOVE GROUND)
—	SANITARY OR WASTE LINE (BELOW GROUND)
—	STORM LINE (ABOVE GROUND)
—	STORM LINE (BELOW GROUND)
—	GAS LINE (LP)
—	GAS LINE (REG)
—	FIRE LINE
—	VENT LINE (ABOVE GROUND)
—	VENT LINE (BELOW GROUND)
—	COLD WATER LINE (ABOVE GROUND)
—	COLD WATER LINE (BELOW GROUND)
—	HOT WATER LINE
—	HOT WATER RECIRCULATING LINE
—	CLEAN OUT
—	FLOOR CLEAN OUT
—	WALL HYDRANT OR NOSE BIBB
—	GLOBE VALVE
—	CHECK VALVE
—	BALL VALVE
—	FLOOR DRAIN WITH TRAP
—	NEW
—	EXISTING
—	POINT OF PLUMBING CONNECTION TO []
—	SANITARY LINE
—	STORM LINE
—	VENT LINE
—	WASTE LINE
—	TRAP
—	RD. ROOF DRAIN
—	RL. ROOF LEADER
—	[] TO BE REMOVED

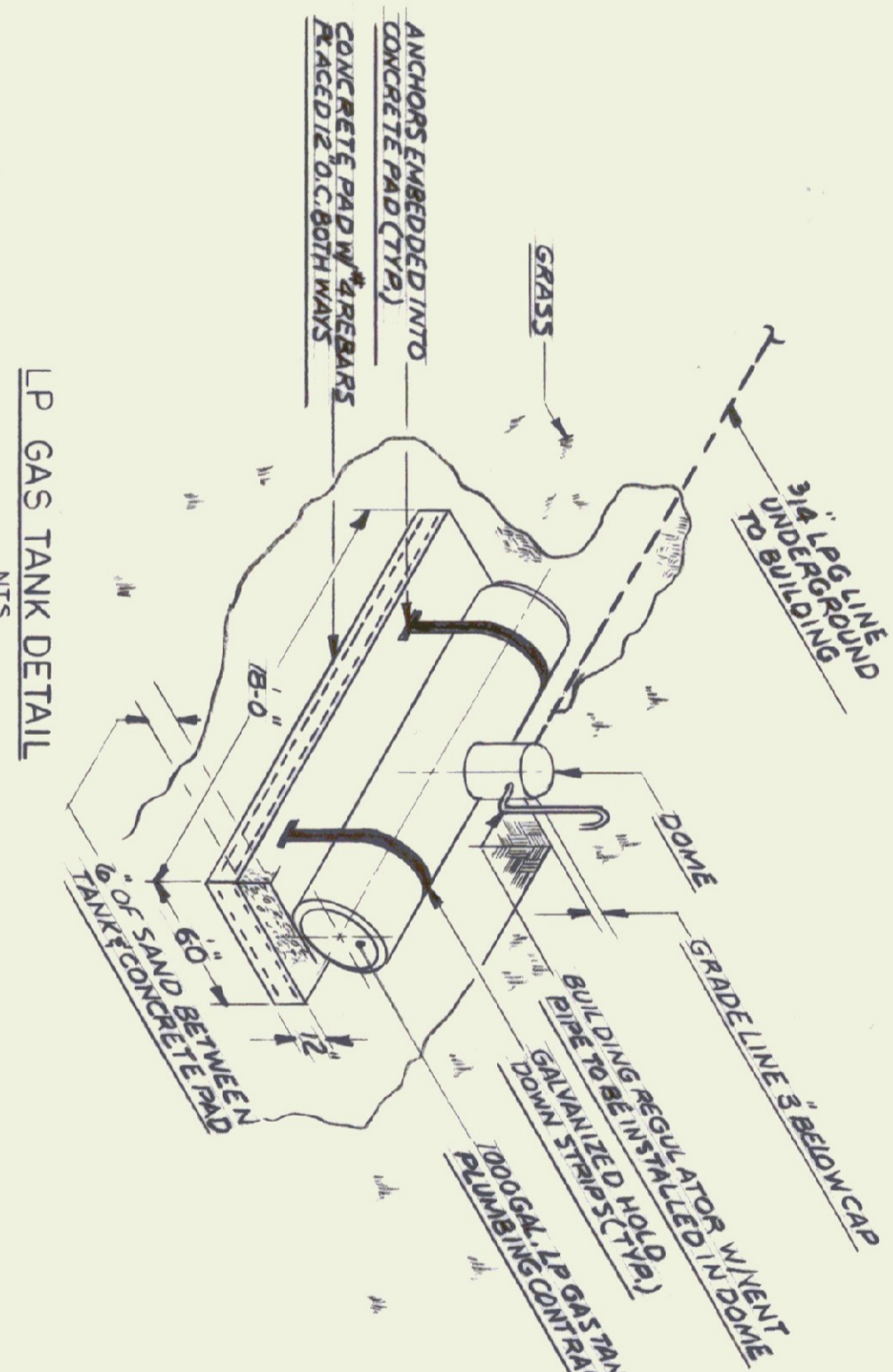
- NOTES:
1. REMOVE [] SOAP DISPENSER SYSTEM FROM EXISTING MEN'S AND WOMEN'S ROOM. SEE SPEC.
 2. PURCHASE & INSTALL COCK-HOLE COVERS TO [] LAVATORY OPENINGS.



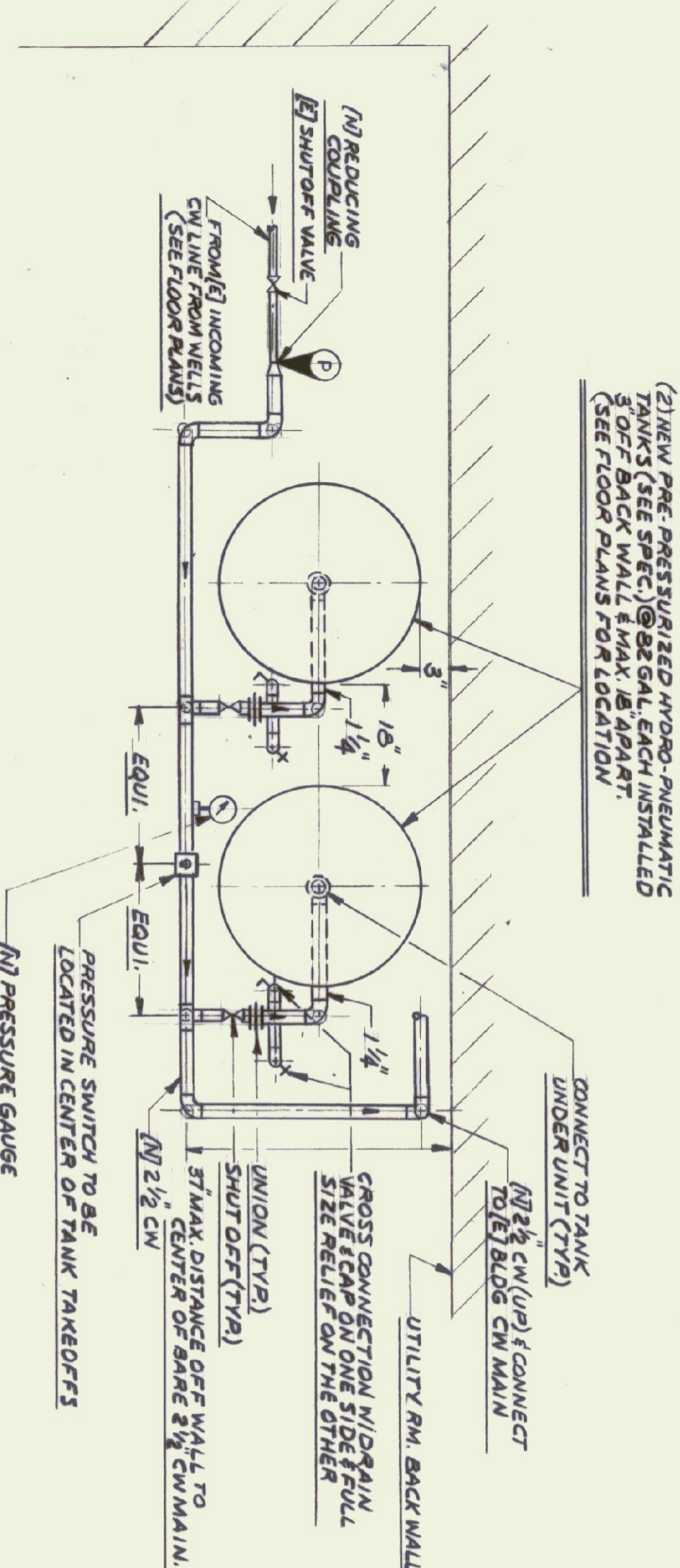
EXISTING SOAP DISPENSER-DEMOLITION
NTS
NORTHBOUND ONLY



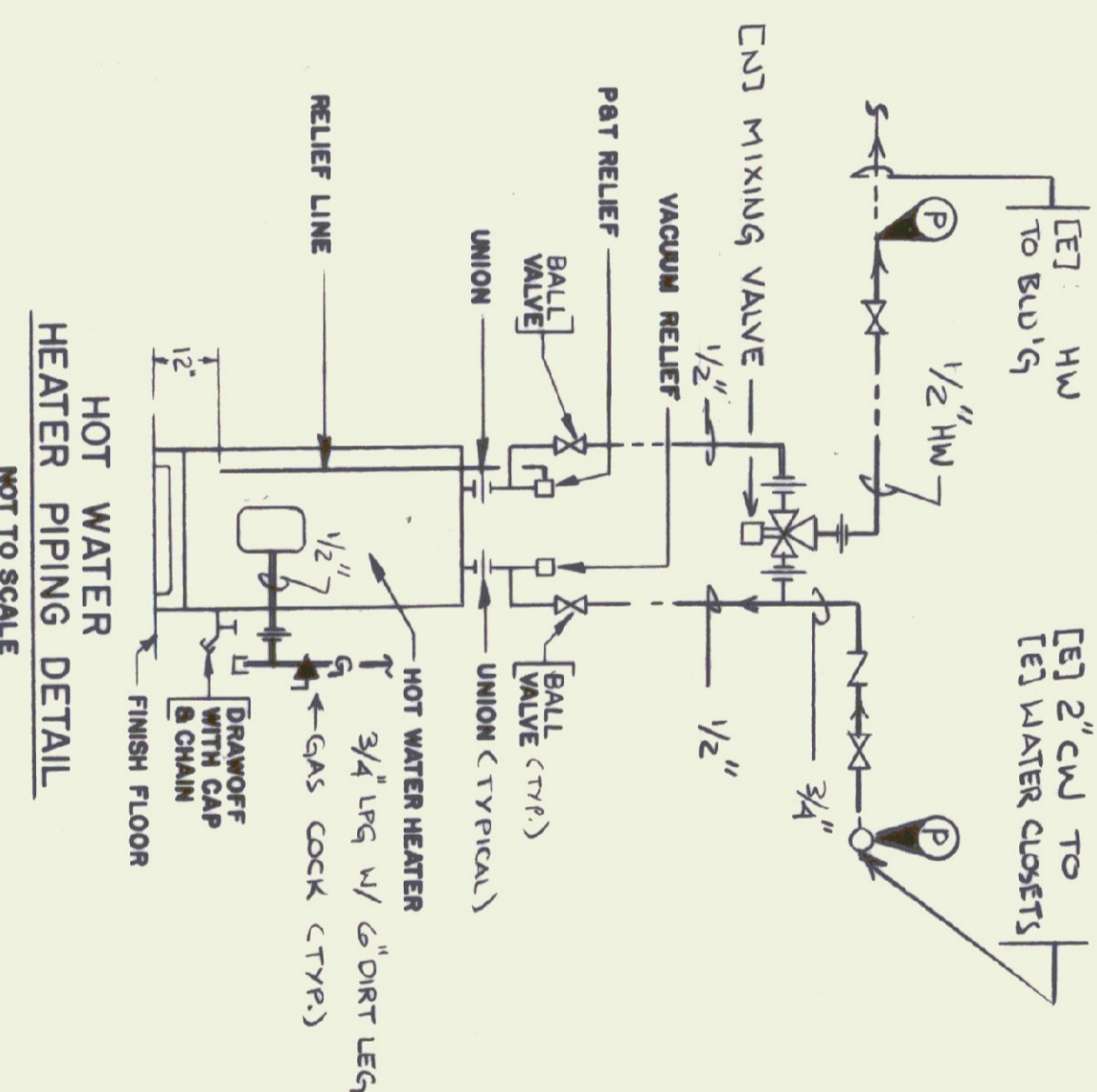
TRENCH DETAIL-GAS LINE
NTS



LP GAS TANK DETAIL
NTS



NEW INCOMING WELL WATER STORAGE CONTROL SYSTEM
NTS



HOT WATER HEATER PIPING DETAIL
NOT TO SCALE

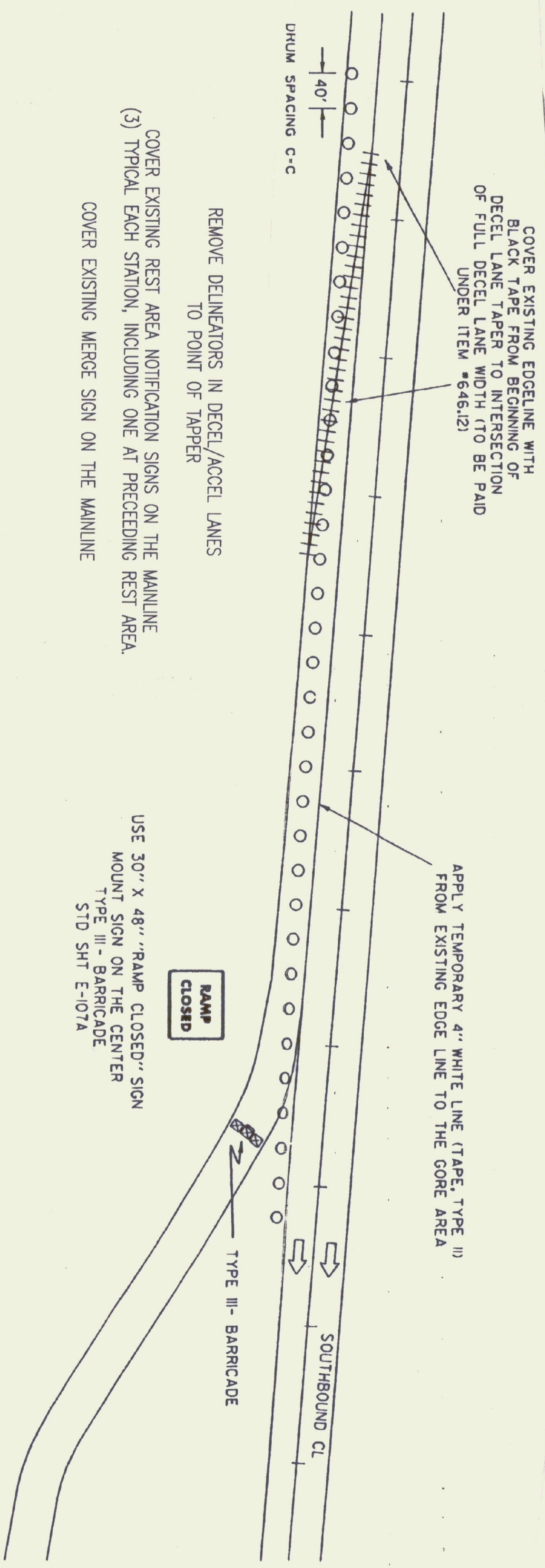


RECORD DRAWING

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

REST AREA REHABILITATION
GEORGIA 1-89
NORTH & SOUTHBOUND

DATE: 8-21-98
SCALE: []
DRAWN BY: D.G.
CHECKED BY: NFL
PROJECT NO.: []
DRAWING NO.: P-3.0



COVER EXISTING EDGELINE WITH BLACK TAPE FROM BEGINNING OF DECEL LANE TAPER TO INTERSECTION OF FULL DECEL LANE WIDTH (TO BE PAID UNDER ITEM #646.12)

REMOVE DELINEATORS IN DECEL/ACCEL LANES TO POINT OF TAPPER

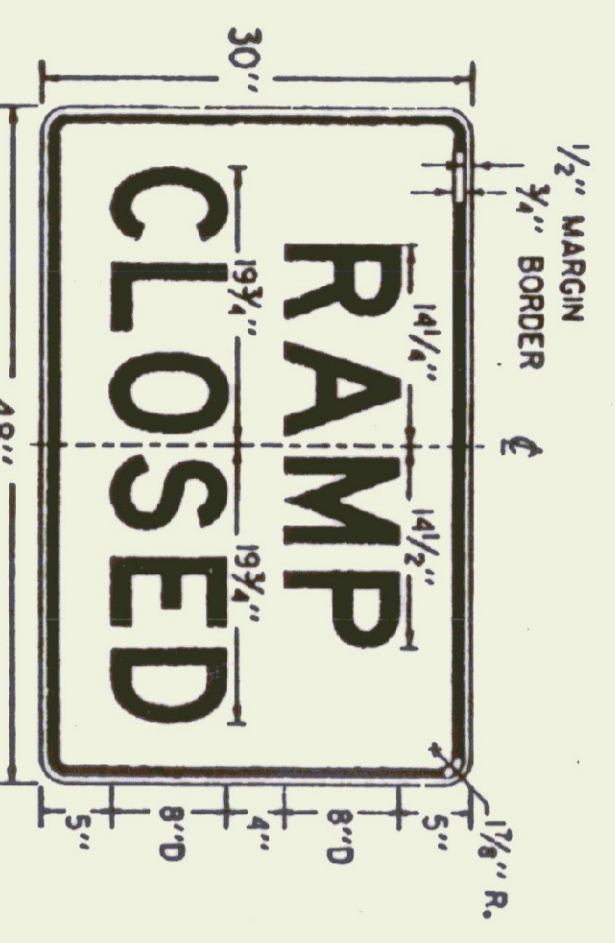
COVER EXISTING REST AREA NOTIFICATION SIGNS ON THE MAINLINE (3) TYPICAL EACH STATION, INCLUDING ONE AT PRECEDING REST AREA.

COVER EXISTING MERGE SIGN ON THE MAINLINE

APPLY TEMPORARY 4" WHITE LINE (TAPE, TYPE III) FROM EXISTING EDGE LINE TO THE GORE AREA

USE 30" X 48" "RAMP CLOSED" SIGN MOUNT SIGN ON THE CENTER TYPE III - BARRICADE STD SHT E-107A

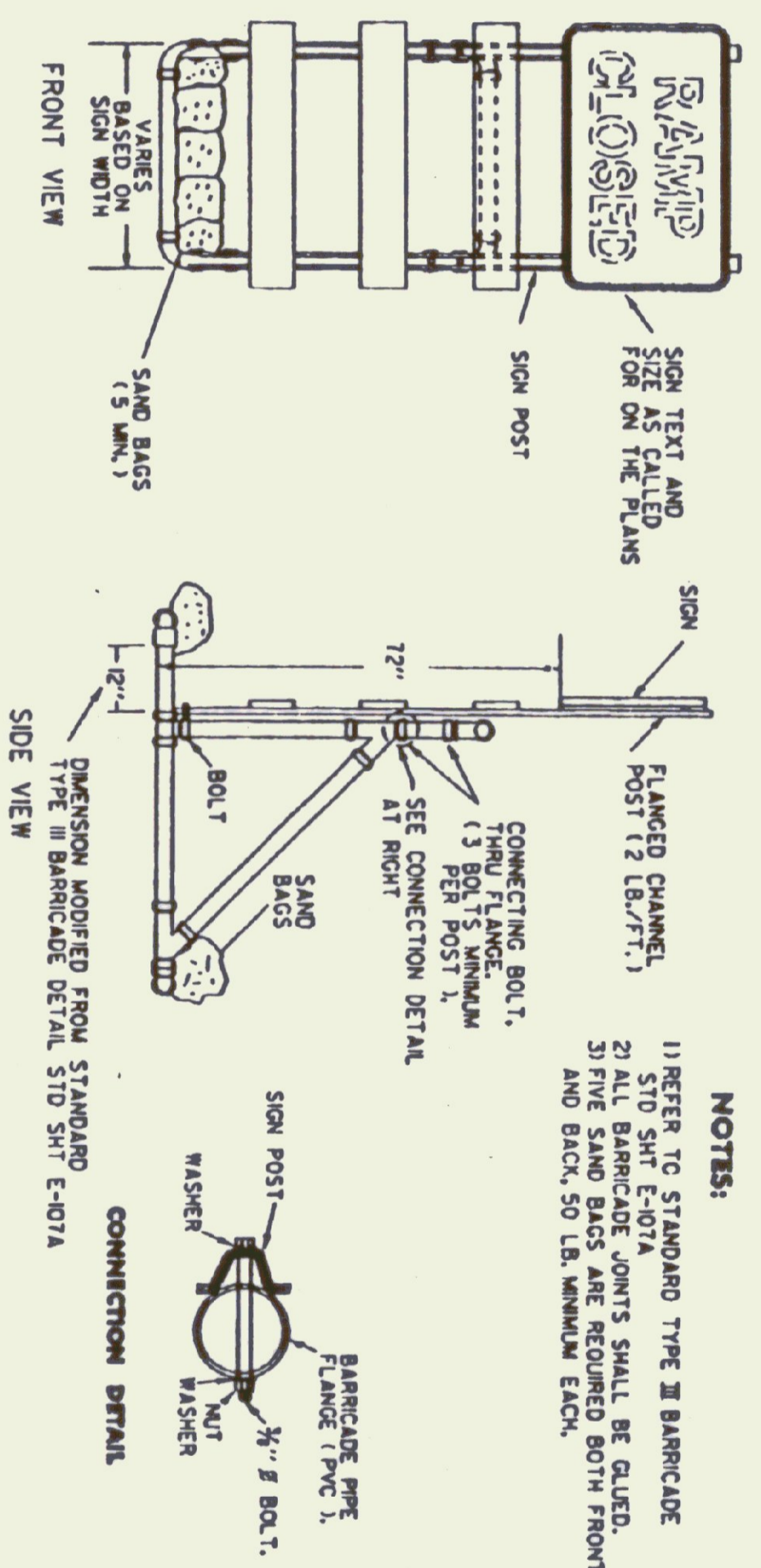
NTS



COLORS:
BLACK TEXT AND BORDER
WHITE REFLECTORIZED BACKGROUND

SEE STANDARD SHEET E-100 FOR NOTES AND TEXT DETAILS
SIGN DETAILS INDICATE THE APPROPRIATE COLOR.

SIGN MOUNTING ON TYPE III BARRICADE



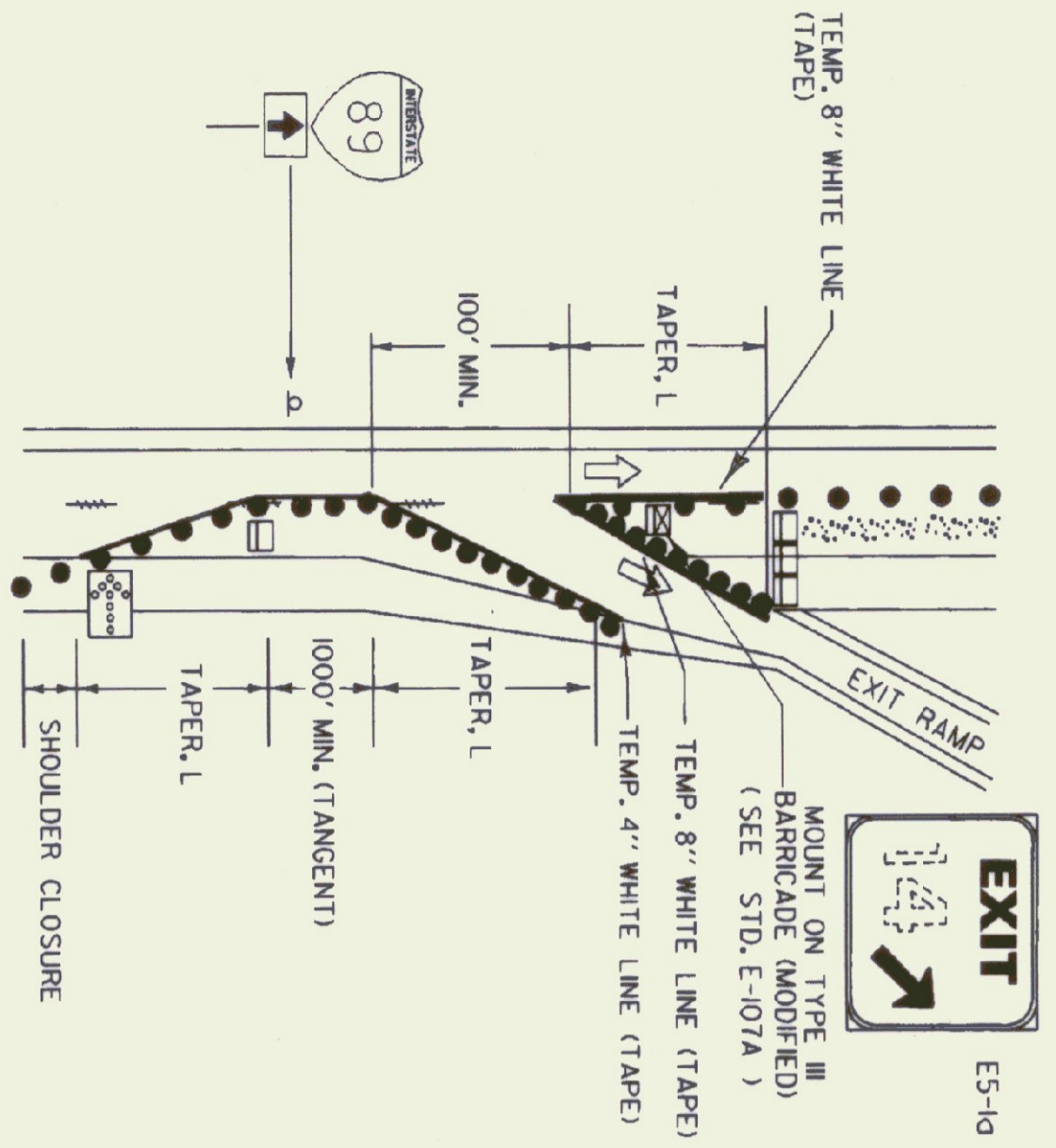
NOTES:
1) REFER TO STANDARD TYPE III BARRICADE STD SHT E-107A
2) ALL BARRICADE JOINTS SHALL BE GLUED.
3) FIVE SAND BAGS ARE REQUIRED BOTH FRONT AND BACK, 50 LB. MINIMUM EACH.



STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

GEORGIA INTERSTATE 89 REST AREAS
NORTHBOUND AND SOUTHBOUND

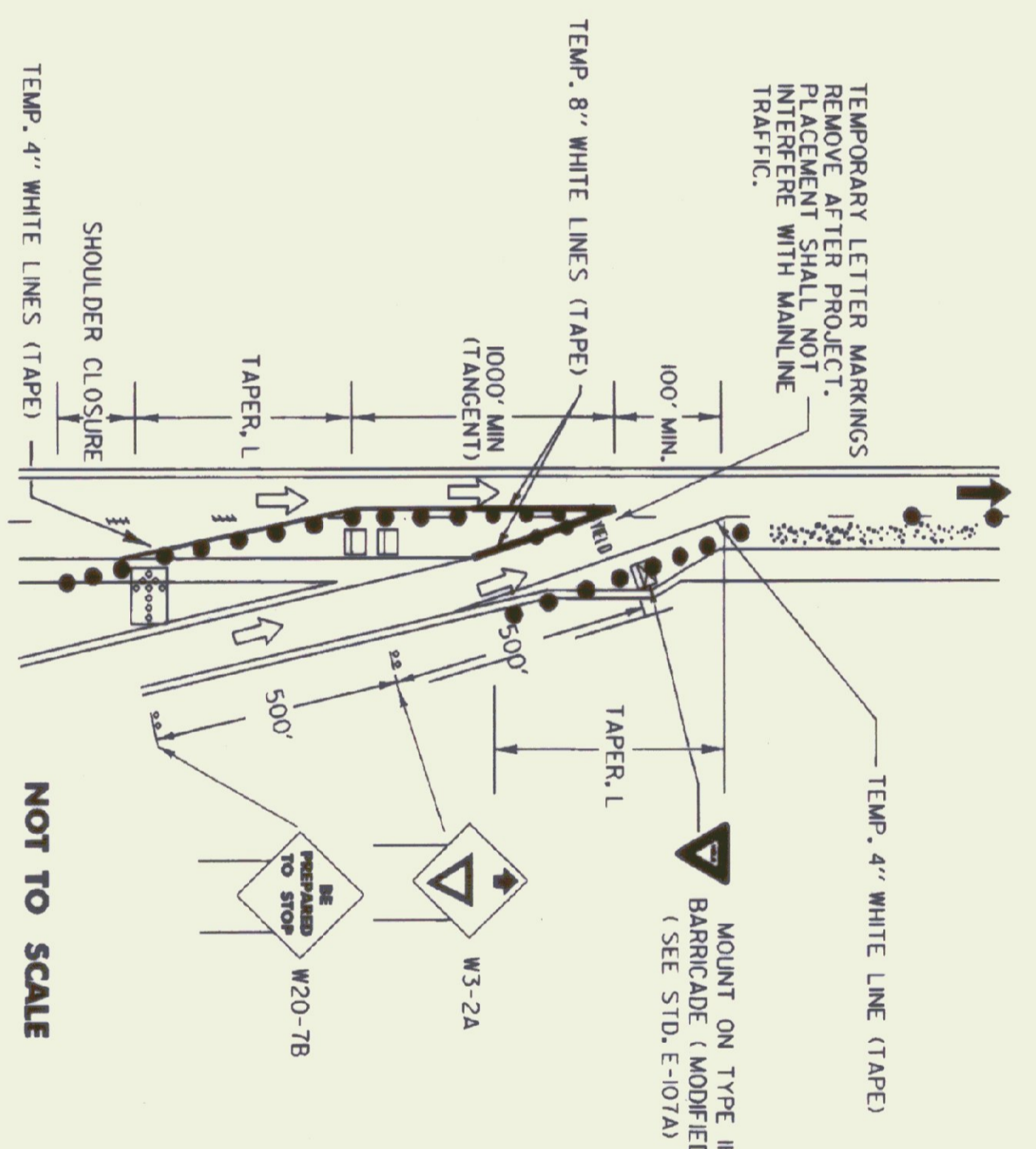
DATE:	SCALE:	REVISIONS:	DRAWING NAME:
AUGUST 21 1998	NTS		TEMPORARY RAMP CLOSURE
DRAWN BY:	PROJECT NO.:		DRAWING NO.:
M. ORS-3 (30)			TRC-1
CHECKED BY:			



- NOTES:**
- 1) ALL SIGNS SHALL BE MOUNTED ON FIXED POSTS (YIELDING TYPE) UNLESS OTHERWISE NOTED.
 - 2) CHANNELIZING DEVICES SHALL BE PLACED AS FOLLOWS: TAPERS - DEVICES SHALL BE SPACED A MAXIMUM OF 5' (THE SPEED LIMIT IN FEET) APART. TANGENT - DEVICES SHALL BE SPACED 2 X 5' (THE SPEED LIMIT IN FEET) APART.
 - 3) ALL DISTANCES ARE DESIRABLE MINIMUMS FIELD CONDITIONS SHALL CONTROL THE ACTUAL PLACEMENT.
 - 4) TAPER RATES ARE BASED ON THE POSTED MAINLINE AND EXIT SPEEDS.
 - 5) TEMPORARY PAVEMENT MARKINGS ARE REQUIRED WHEN THE LAYOUT IS TO BE IN EFFECT FOR THREE DAYS OR MORE.
 - 6) LANE CLOSURES AND TAPER LENGTHS, L, AS DETAILED ON STANDARD E-103.
 - 7) EXIT SIGN SHALL BE MOUNTED A MINIMUM OF 3' ABOVE THE GROUND AND HIGH ENOUGH TO BE SEEN ABOVE CHANNELIZING DEVICES.

LEGEND

- REF. 28" CONES
- REF. PLASTIC DRUMS
- PAVEMENT MARKING REMOVAL
- ⇨ INDICATES TRAFFIC FLOW
- ▭ WORK AREA
- ▭ FLASHING ARROW PANEL
- ▭ TYPE III BARRICADES
- ▭ TYPE III BARRICADES (MOD.)



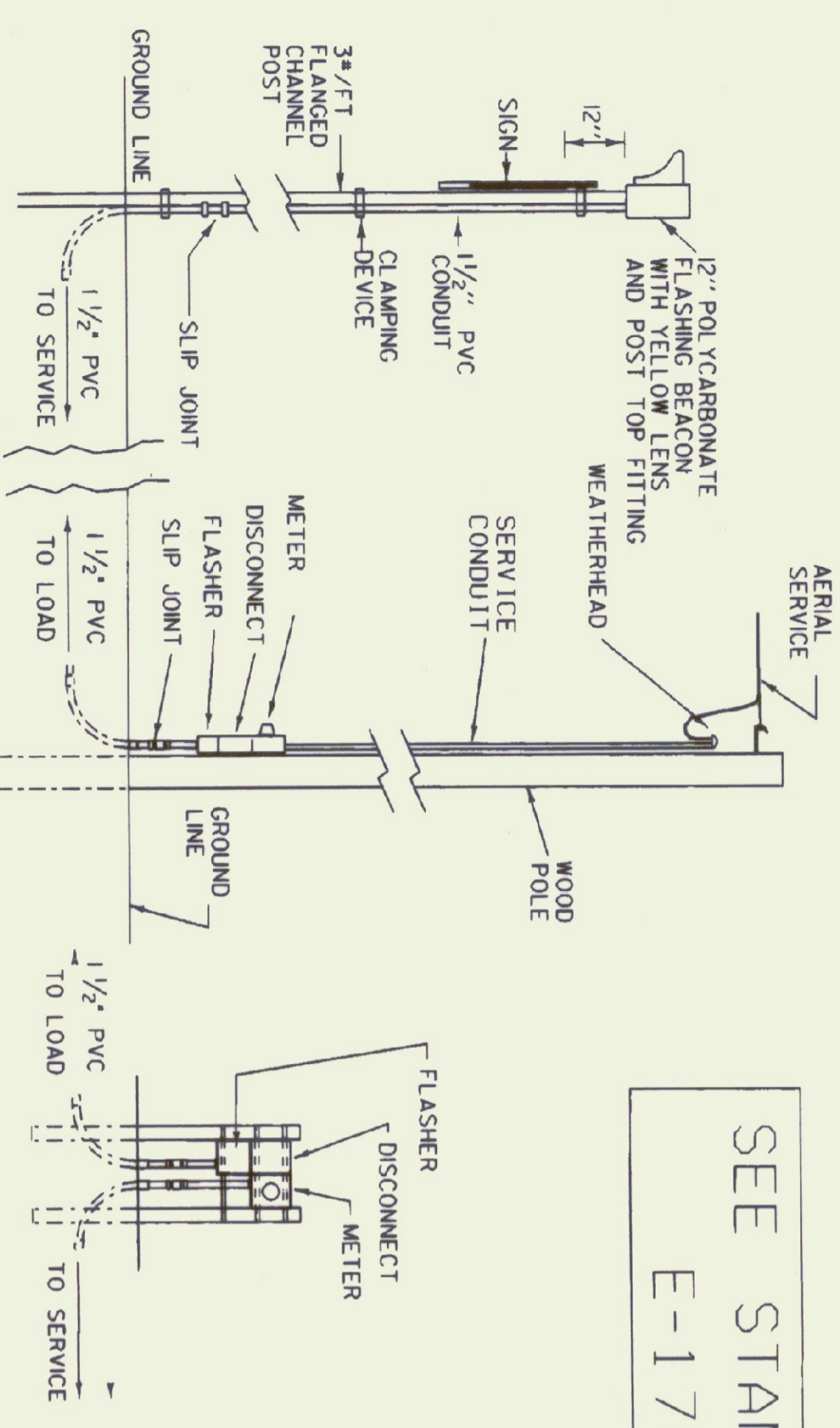
THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS AT THE END OF THE ACCELERATION LANE OR THE MAINLINE LANE CLOSURE DRUM PLACEMENT INTERFERES WITH THE ON-RAMP TRAFFIC.

IF THE LENGTH OF THE ACCELERATION LANE IS NOT ADEQUATE, THE FIELD SIGN SHALL BE REPLACED WITH A STOP SIGN. IF A STOP SIGN IS USED, IT SHOULD BE ACCOMPANIED BY A STOP BAR.

MAINLINE LANE CLOSURE AT AN ENTRANCE RAMP

THIS DETAIL SHALL BE USED WHEN THE WORK ZONE BEGINS AT THE CORE OR THE MAINLINE LANE CLOSURE DRUM PLACEMENT INTERFERES WITH THE EXIT RAMP.

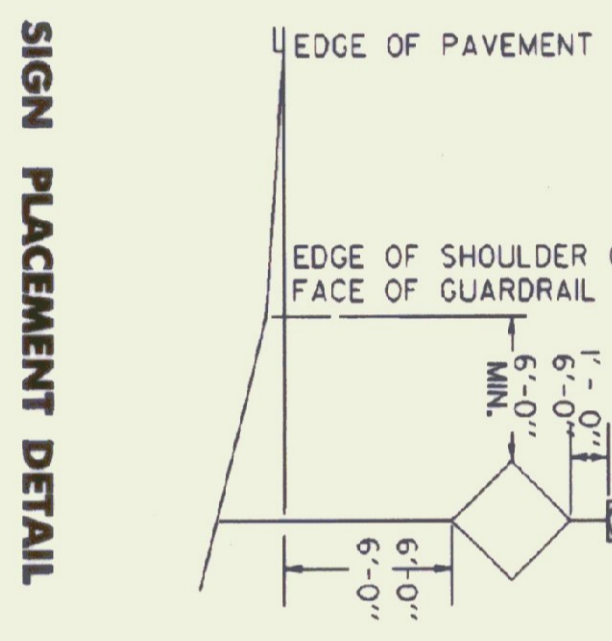
MAINLINE LANE CLOSURE AT AN EXIT RAMP



FLASHING BEACON DETAIL

AERIAL SERVICE WITHOUT LUMINAIRE

UNDERGROUND SERVICE DETAIL

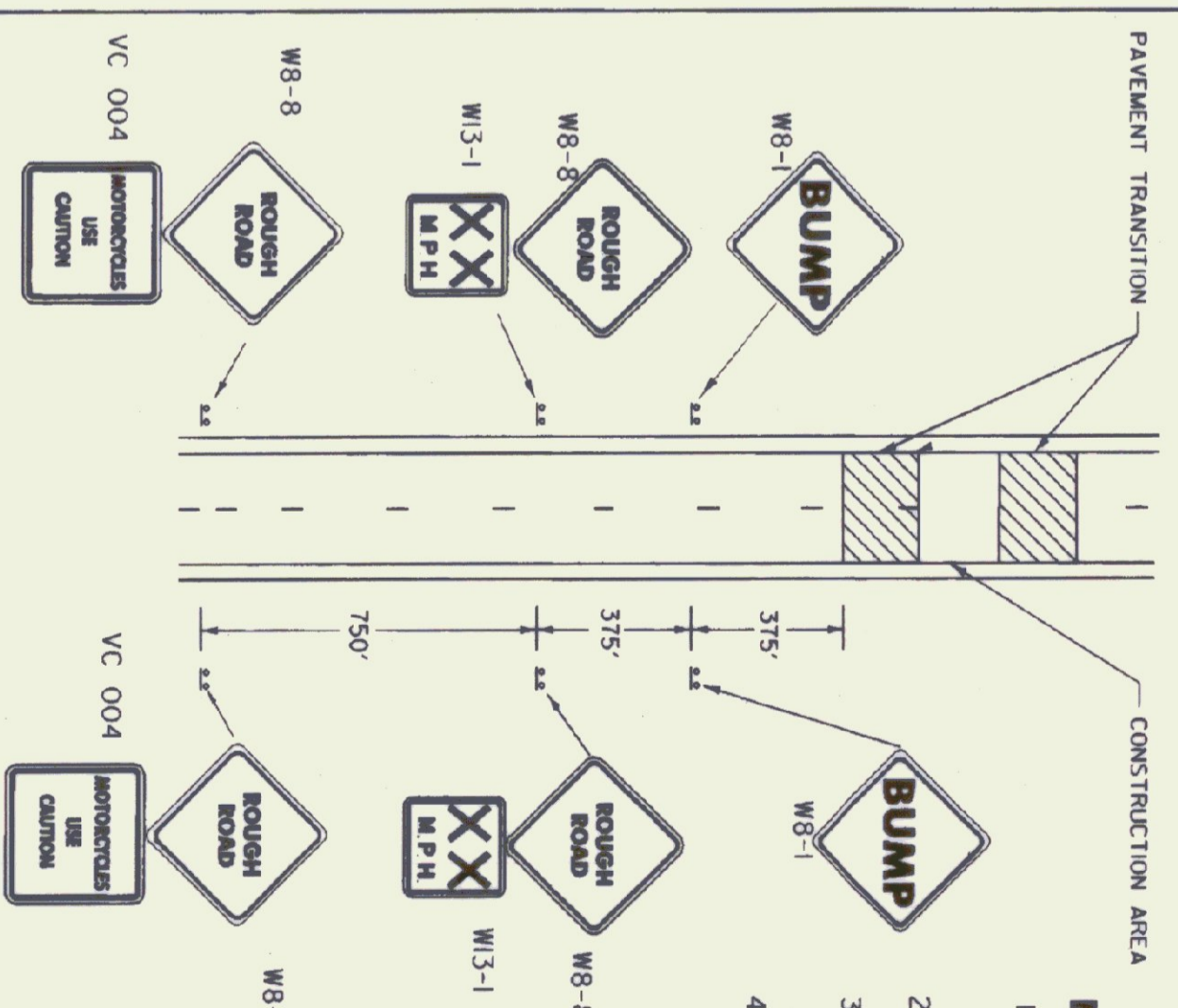


SIGN PLACEMENT DETAIL

SEE STANDARD
E-175

NOTES:

- 1.) AT THE CONTRACTOR'S OPTION:
 - A. THE POWER SUPPLY MAY BE AERIAL OR UNDERGROUND (SEE DETAIL).
 - B. POWER FOR A FLASHING BEACON MAY BE COMBINED WITH POWER FOR A TRAFFIC SIGNAL OR THEY MAY HAVE SEPARATE POWER SOURCES.
 - C. THE FLASHER MAY BE INSTALLED ON A STANCHION NEAR APPROVAL OR AT THE SAME LOCATION AS A TRAFFIC SIGNAL CONTROLLER.
- 2.) THE FLASHER UNIT SHALL BE ONE CIRCUIT AND INCLUDE A RADIO INTERFERENCE FILTER.
- 3.) BATTERY OPERATED FLASHERS WILL NOT BE ALLOWED.
- 4.) BOTTOM OF THE BEACON SHALL BE A MIN. OF 8'-0" AND A MAX. OF 12'-0" ABOVE THE EDGE OF THE PAVEMENT.
- 5.) FOR URBAN AREA PLACEMENT SEE STD. E-121.

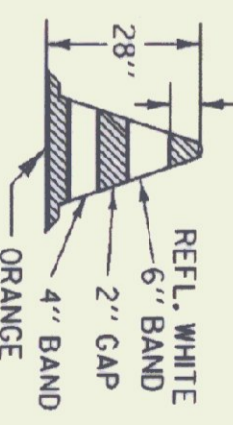


NOTES:

- 1) ADVISORY SPEED AS DETERMINED BY THE RESIDENT ENGINEER (40 MPH MINIMUM RECOMMENDED)
- 2) SIGNS MOUNTED ON FIXED POSTS, (YIELDING TYPE)
- 3) ALL DISTANCES ARE DESIRABLE MINIMUMS. FIELD CONDITION SHALL CONTROL THE ACTUAL PLACEMENT.
- 4) THE BUMP SIGN MAY BE ELIMINATED WHEN THERE IS NO BUMP. WHEN THE CONTRACTOR IS WORKING IN THE ADVANCED WARNING AREA THE APPROPRIATE SIGN SHALL BE USED. SEE STD. E-103.

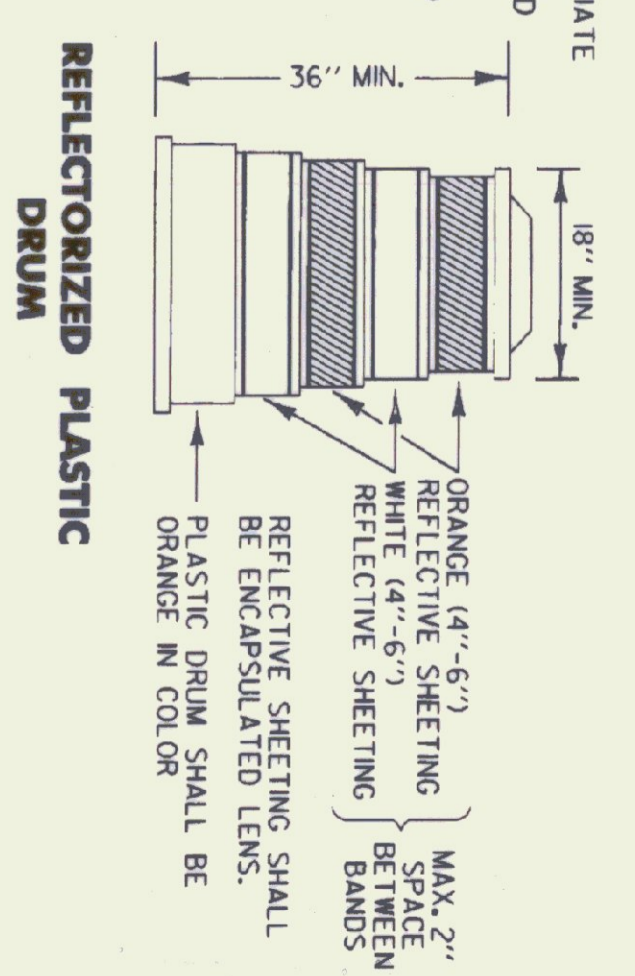
NOT TO SCALE

ADVANCED WARNING SIGN PACKAGE FOR COLD PLANED (SCARIFIED) SURFACES.



28\"/>

- NOTES:**
- 1.) 28" CONES SHALL BE USED ON ROADWAYS WITH SPEED LIMITS OF 35 MPH OR MORE AND ON ALL ROADWAYS DURING HOURS OF DARKNESS.
 - 2.) CONES MAY BE WEIGHTED TO PREVENT OVERTURNING, HOWEVER THE WEIGHTS SHALL NOT PRESENT A HAZARD IF THE CONE IS STRUCK.
 - 3.) REFLECTIVE SHEETING SHALL BE ENCAPSULATED LENS.



REFLECTORIZED PLASTIC DRUM

OTHER STDS. REQUIRED: E-101 E-102A E-103 E-136 E-150 E-175

REVISIONS AND CORRECTIONS

APR 12, 1988 - DATE OF ORIGINAL ISSUE
 JAN 23, 1989 - REVISED EXIT SIGN - CLARIFIED EXIT TAPER
 SEPT 20, 1993 - REVISED RAMP CLOSURES, FLASHING BEACON DETAILS AND MOVED TYPE III BARRICADE (MOD) TO STD-E-107A
 AUG 08, 1995 - REVISED BEACON SIZE

APPROVED

Director of the Office
 DIRECTOR OF ENGINEERING

David O. Roy
 TRAFFIC AND SAFETY ENGINEER

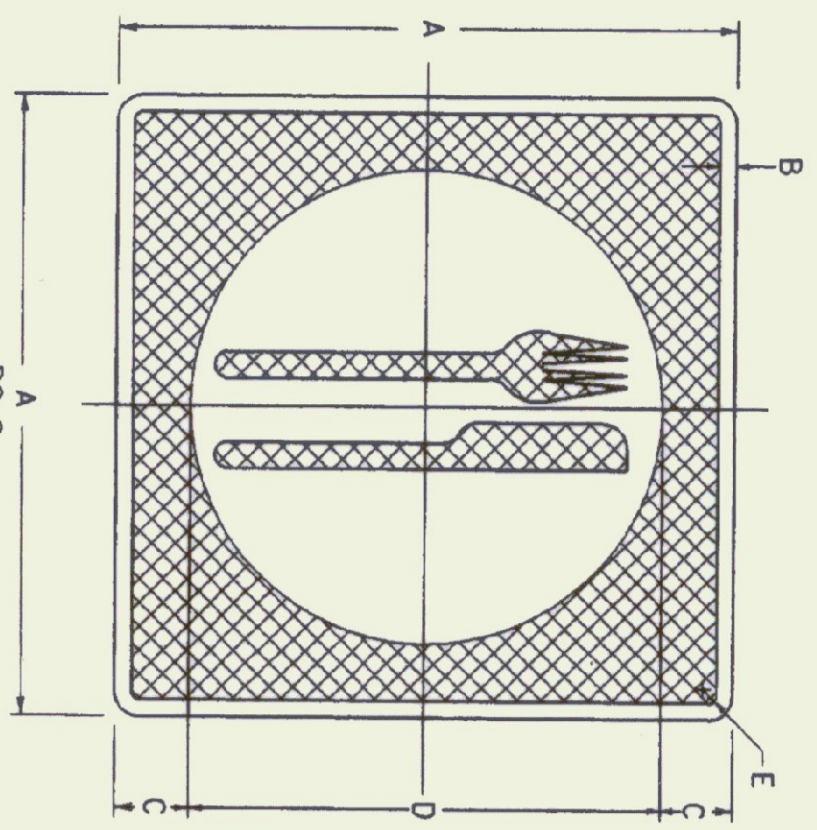
TRAFFIC CONTROL
 MISCELLANEOUS DETAILS

/tr/ot/std/stdel06.dgn : stdel06.1

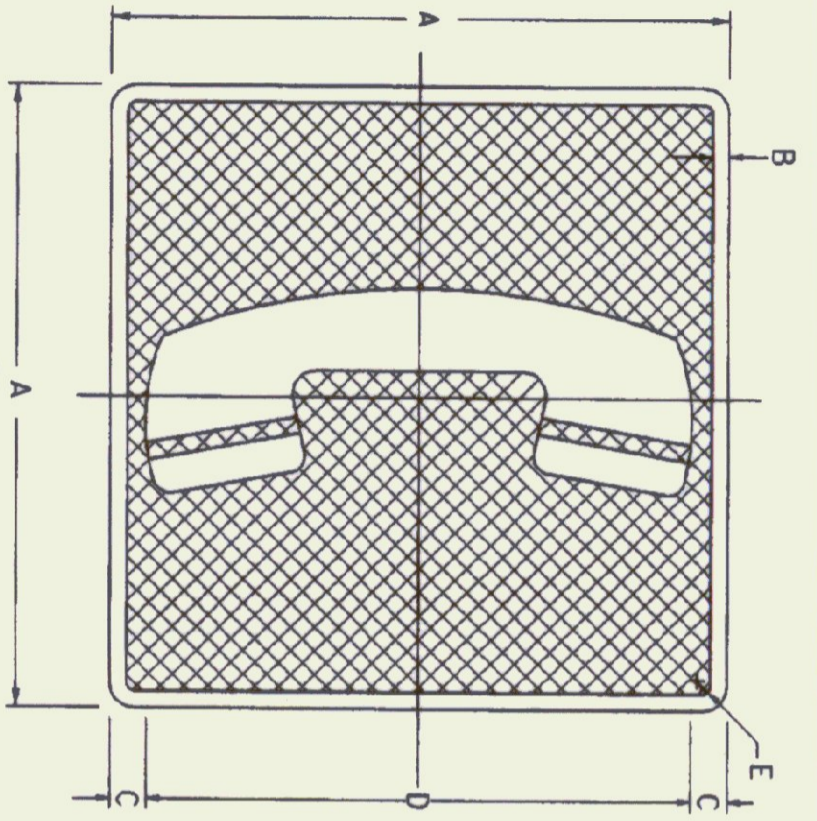
VERMONT AGENCY OF TRANSPORTATION

STANDARD

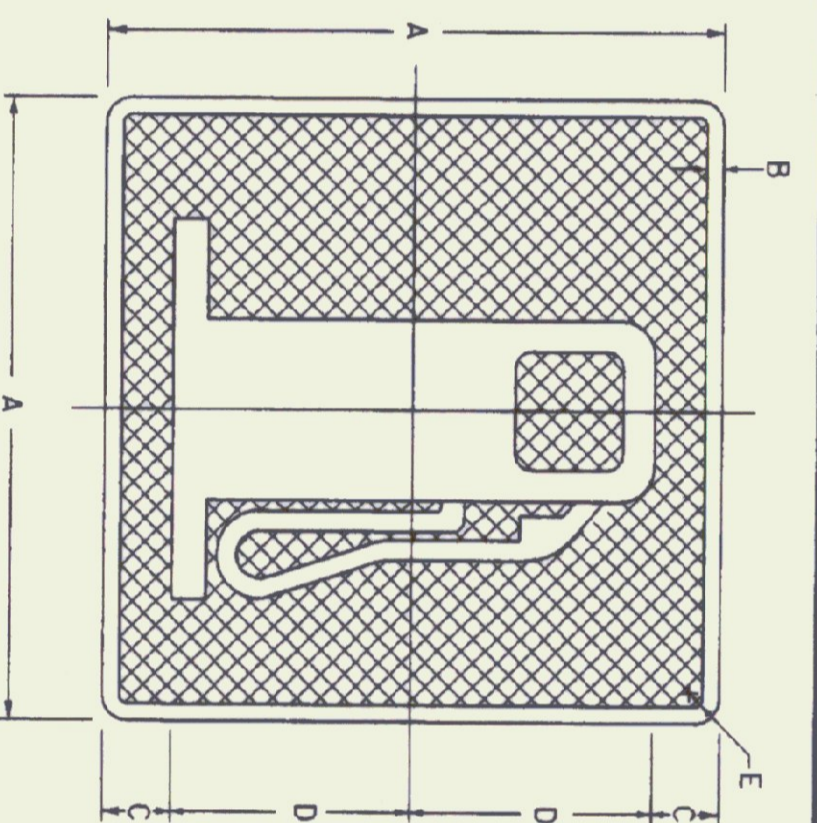
E-106



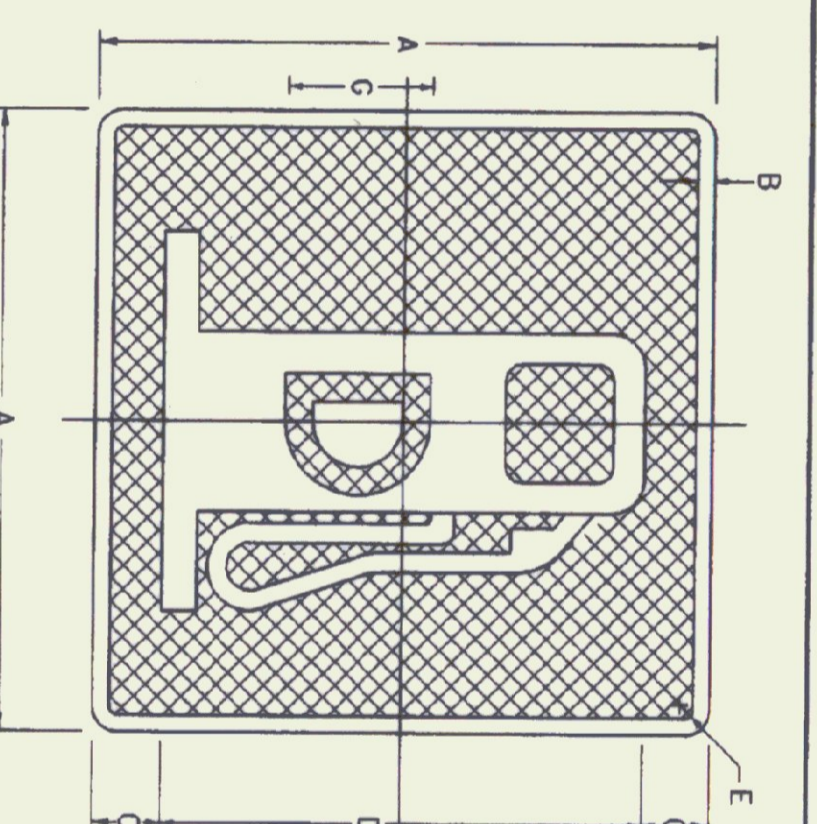
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



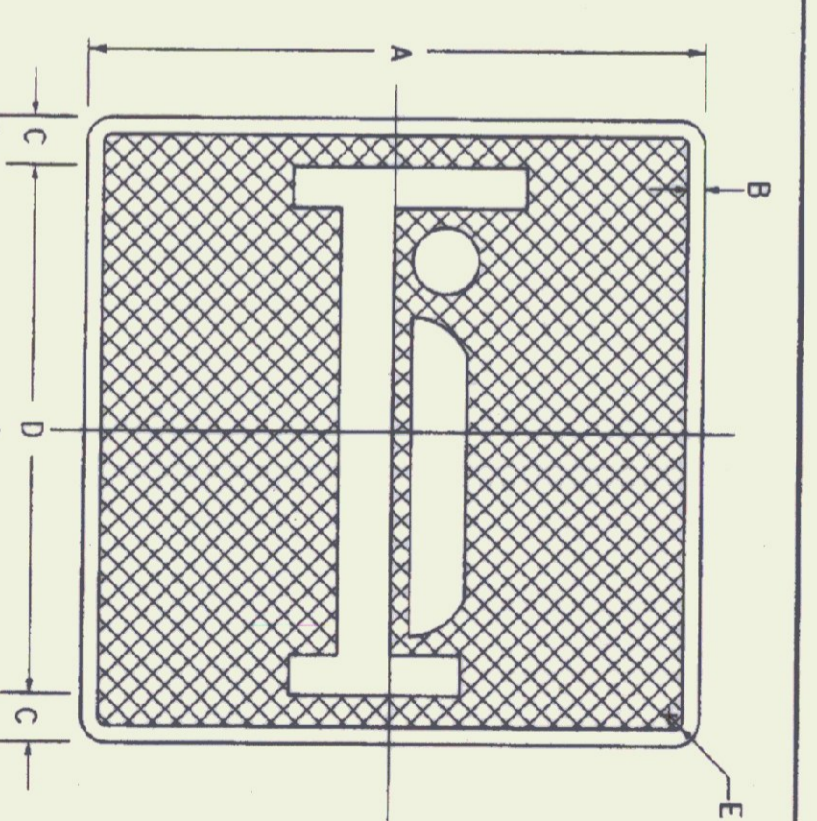
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



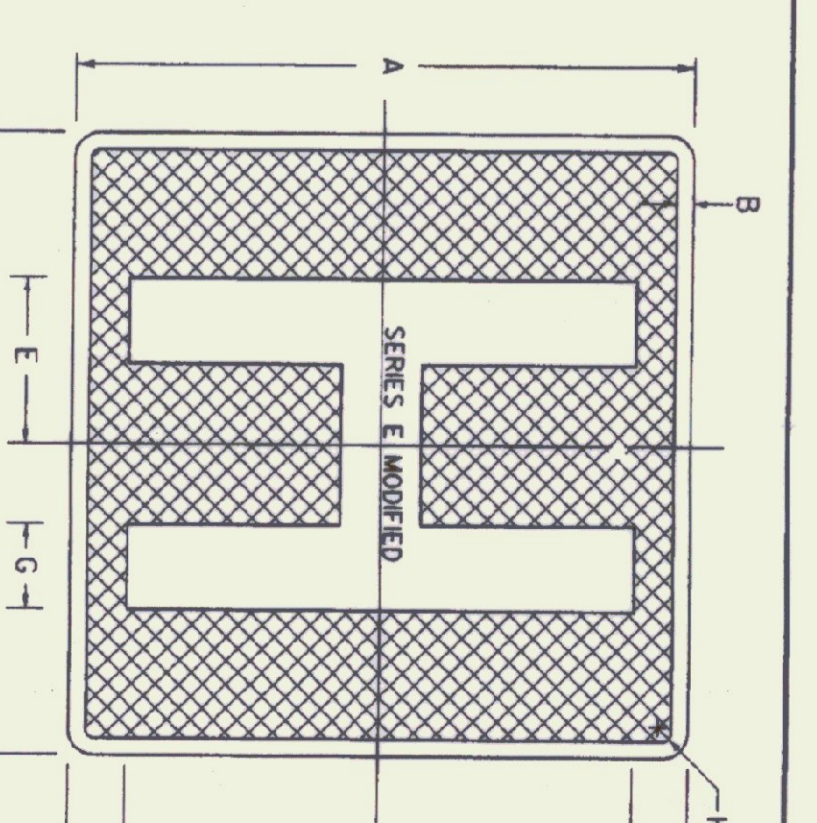
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	3	6	1/2
STD	24	1/2	3	9	1/2
SPECIAL	30	3/4	3 3/4	11 1/4	1 1/8



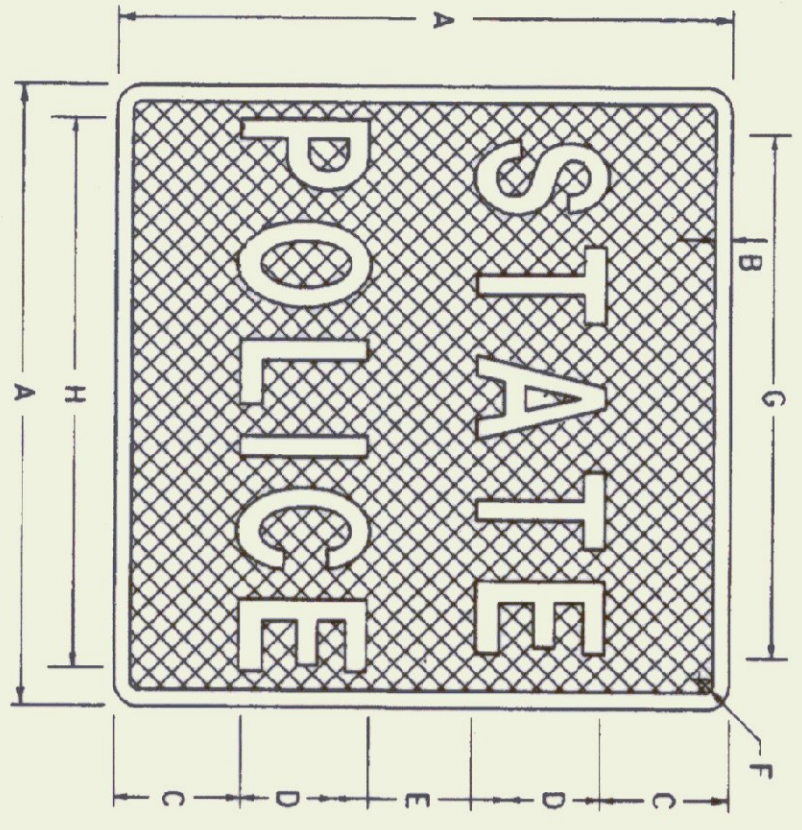
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



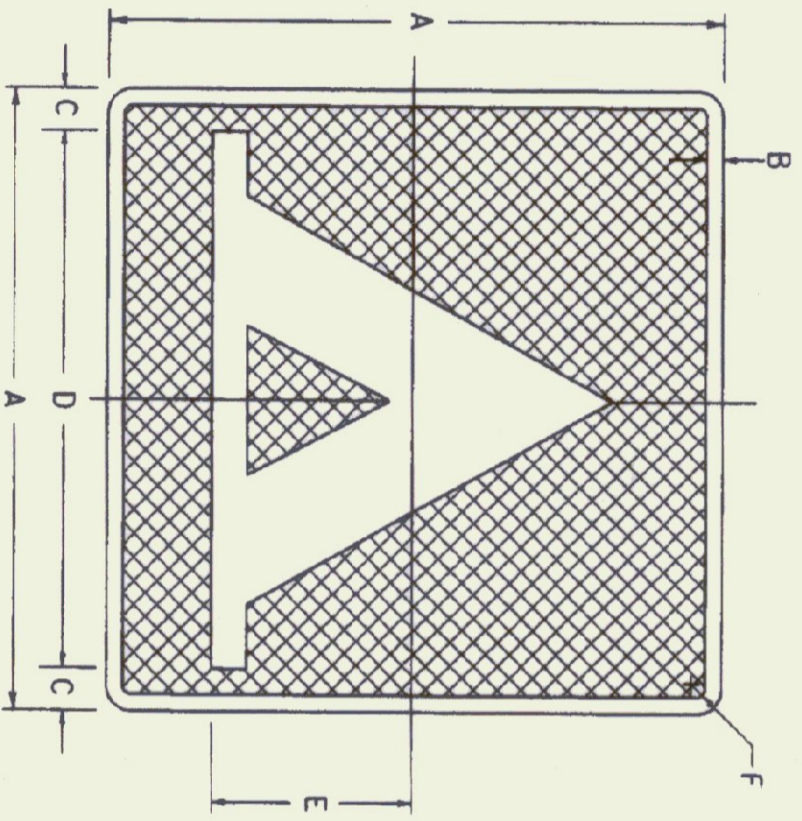
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



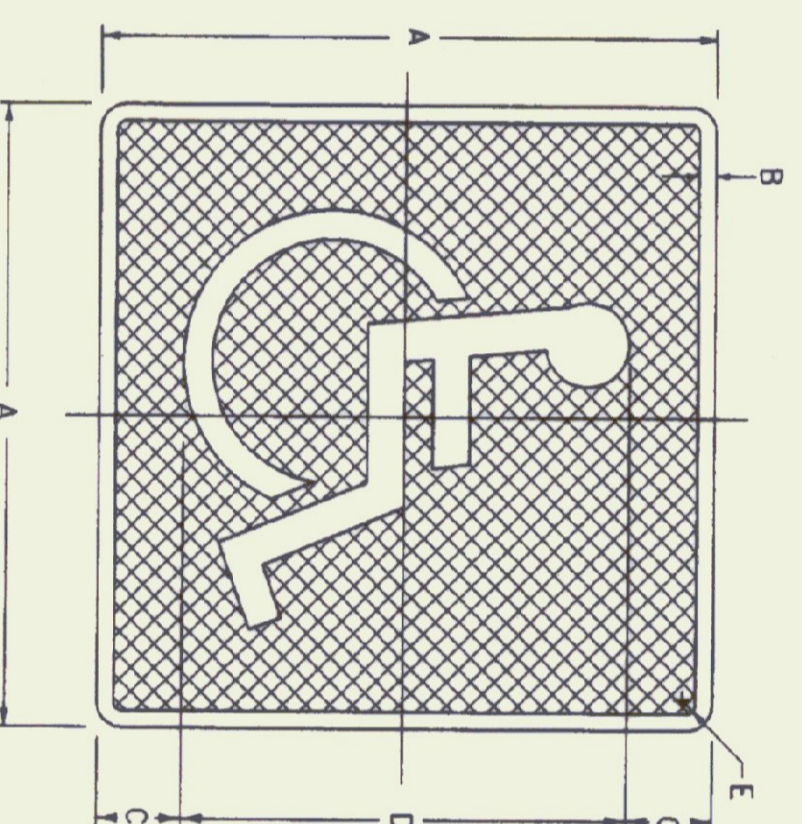
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
MIN	18	1/2	1/2	15	1/2	1/2	1/2	1/2
STD	24	1/2	2	20	1/2	1/2	1/2	1/2
SPECIAL	30	3/4	2 1/2	25	1/2	1/2	1/2	1/2



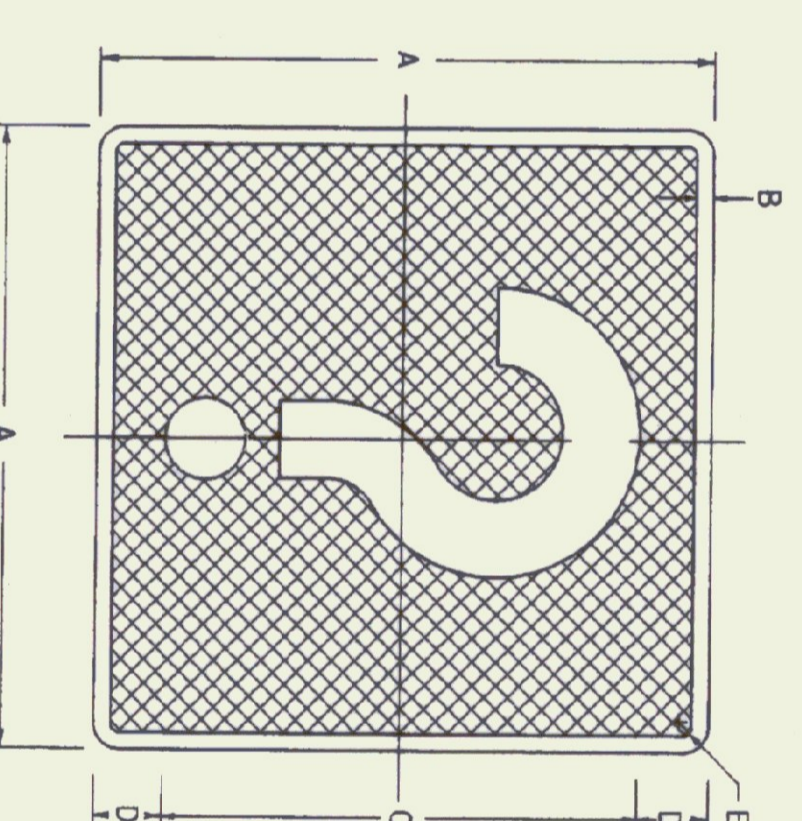
SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
MIN AND STD	24	1/2	5	5C	4	1/2	14 3/8	18
SPECIAL	30	1/2	6	6C	6	1/2	18 3/4	22 3/8



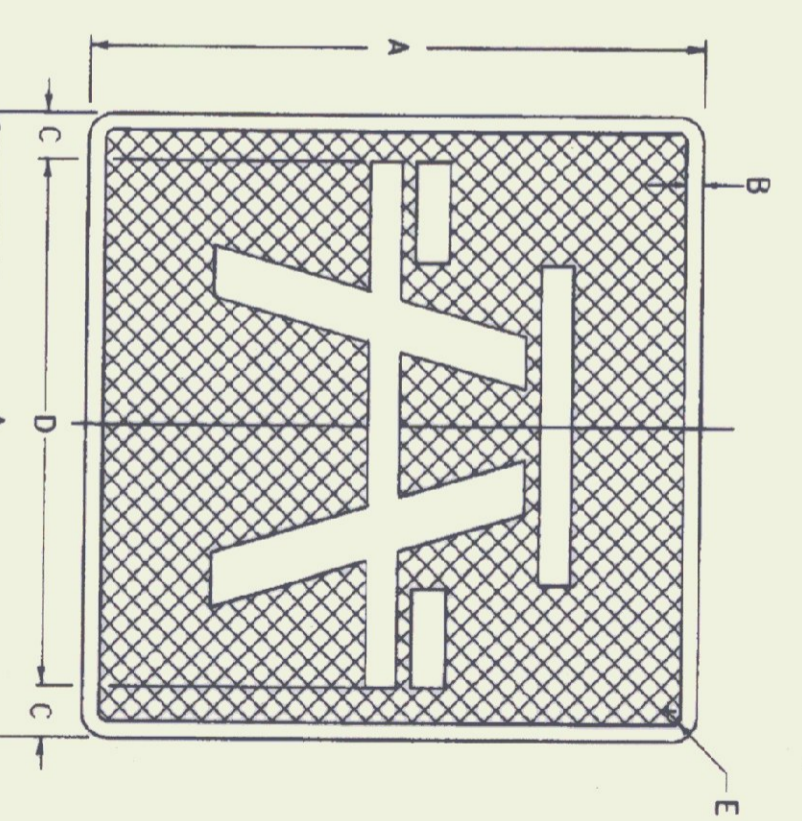
SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
MIN	18	1/2	1/2	15	6	1/2
STD	24	1/2	2	20	8	1/2
SPECIAL	30	3/4	2 1/2	25	10	1 1/8



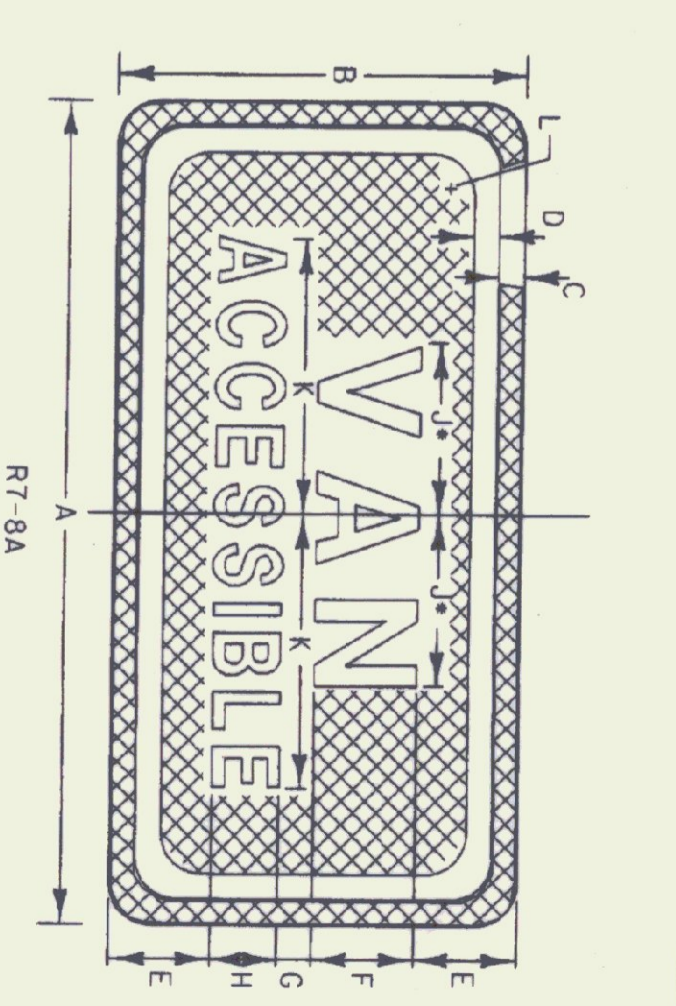
SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



SIGN	DIMENSIONS (INCHES)				
	A	B	C	D	E
MIN	18	1/2	1/2	15	1/2
STD	24	1/2	2	20	1/2
SPECIAL	30	3/4	2 1/2	25	1 1/8



SIGN	DIMENSIONS (INCHES)			
	A	B	C	D
MIN	18	1/2	1/2	15
STD	24	1/2	2	20
SPECIAL	30	3/4	2 1/2	25



SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	L
STD	12	6	3/8	3/8	1/2	1/20	1/2	10	2 1/4	4	1/2
SPECIAL	18	9	3/8	3/8	2 1/4	20	1	1 1/20	2 3/4	7	1/2

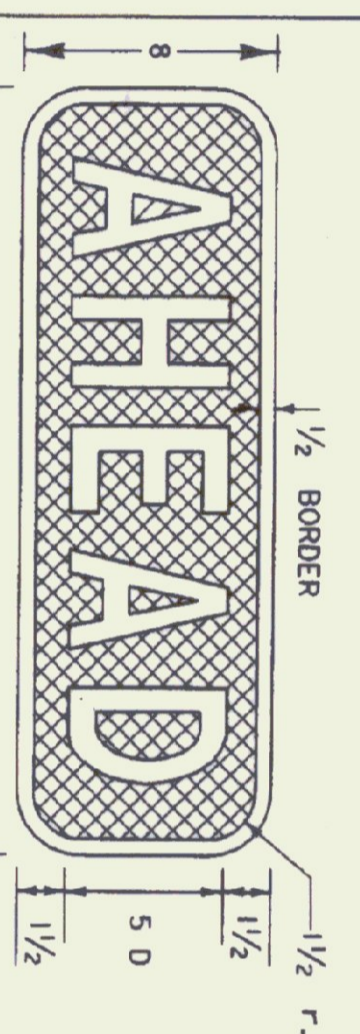
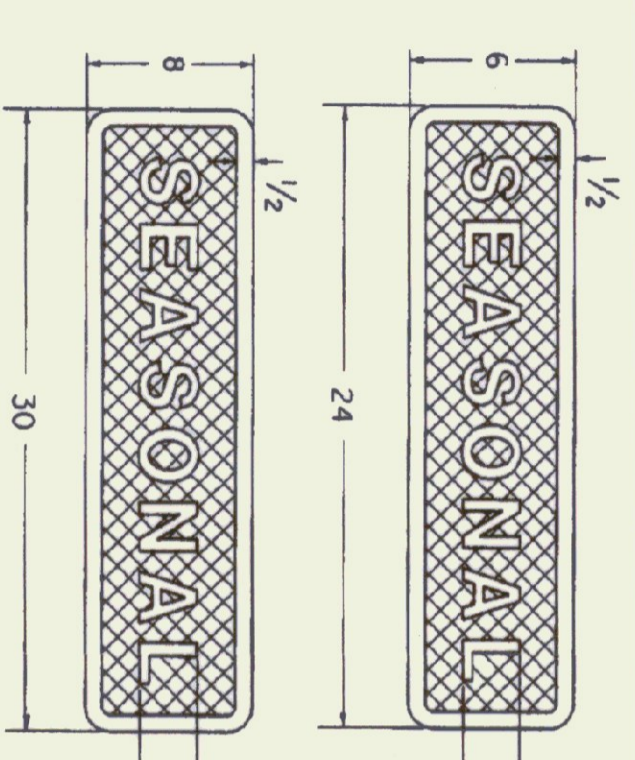
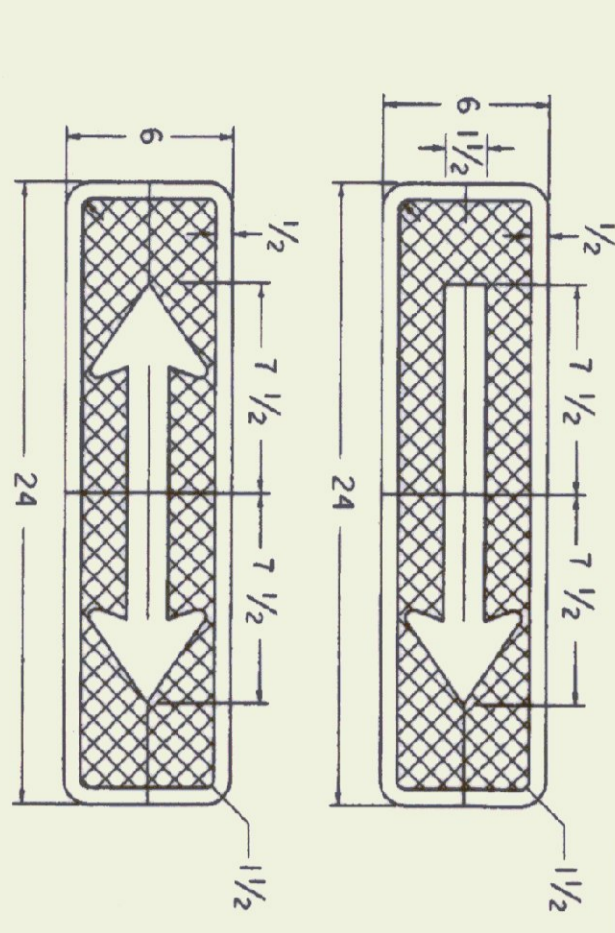
NOTES

MATERIALS
THE SIGN BASE MATERIAL USED FOR THE GUIDE SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING MINIMUM THICKNESSES NOTED.
A - FLAT SHEET ALUMINUM - 0.060
B - HIGH DENSITY OVERLAP PLYWOOD - 1/2"
C - GALVANIZED FLAT SHEET STEEL - 6 GA.

COLORS
THE SIGNS SHALL BE WHITE OR SILVER REFLECTORIZED SHEETING WITH A REVERSE SCREENED BLUE BACKGROUND. THE BLUE SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS AND APPROVED BY THE U.S. DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

OTHER STDS. REQUIRED:

LETTERING
LETTERS SHALL CONFORM WITH THE REQUIREMENTS FOUND IN THE PUBLICATION STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS PRINTED BY THE FEDERAL HIGHWAY ADMINISTRATION.
THE DESIGN OF THESE SIGNS SHALL CONFORM WITH THE DETAILS SET FORTH IN THE MANUAL "STANDARD HIGHWAY SIGNS" AS SPECIFIED IN "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," LETTER-NUMERAL DESIGNATION UNDER EACH SYMBOL IS IDENTIFICATION IN MANUAL.
THESE SIGNS SHALL MEET THE STANDARD STATE SPECIFICATIONS FOR "TRAFFIC SIGNS."



APPROVED

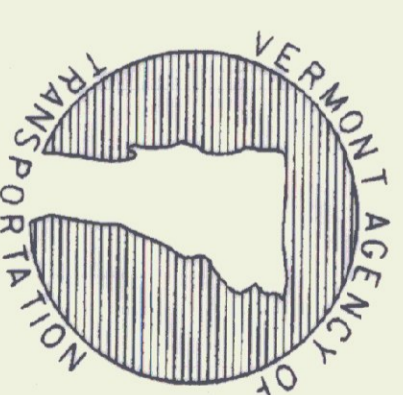
REVISIONS AND CORRECTIONS
SEPT. 10, 1987 - DATE OF ORIGINAL ISSUE
DEC. 18, 1989 - DELETED SERVICE MOUNTING DETAIL
REVISED "STATE POLICE" SIGN
ADDED "AHEAD" SIGN
AUG. 18, 1995 - SIGN DETAIL REVISIONS PER STANDARD HIGHWAY SIGNS MANUAL

APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FINAL FINAL APPROVAL PENDING.

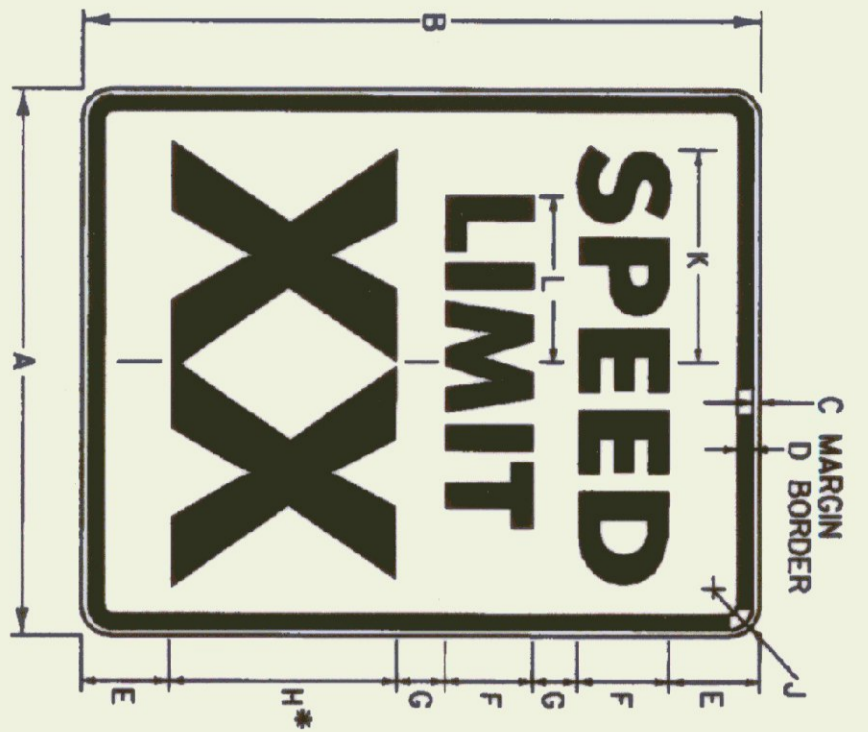
Director of Engineering
Traffic and Safety Engineer

GENERAL MOTORIST SERVICES SIGN DETAILS

/tr04/st/d/std0132.dgn : std0132.i

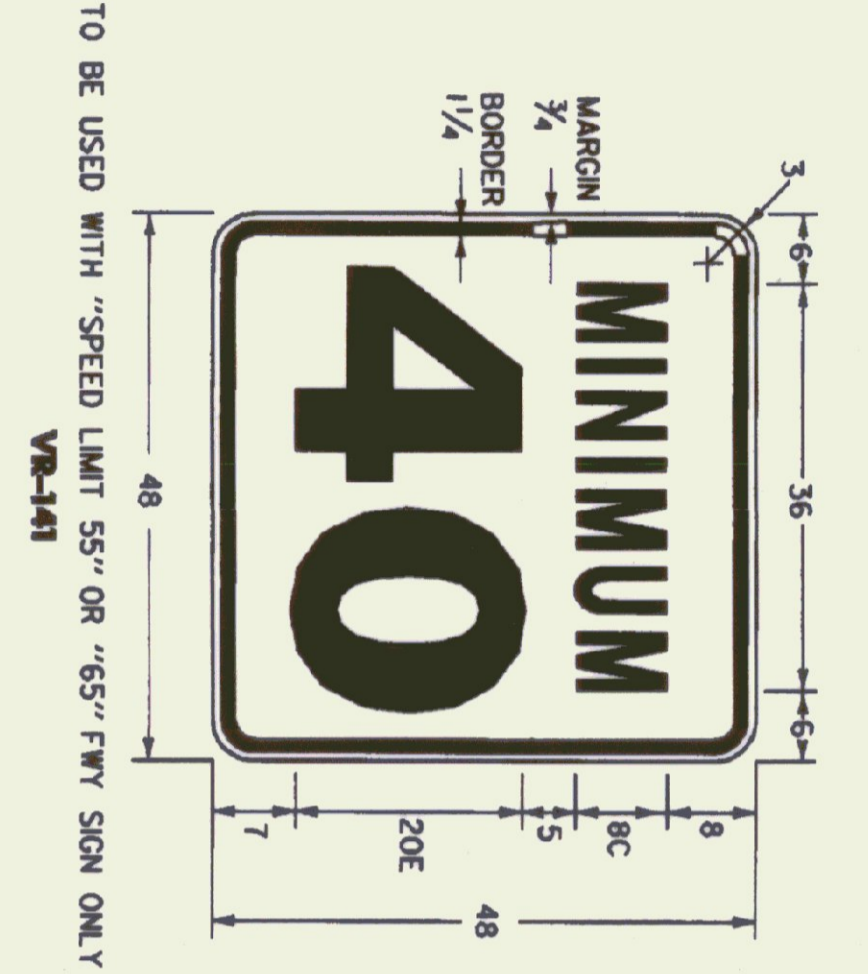


STANDARD E-132

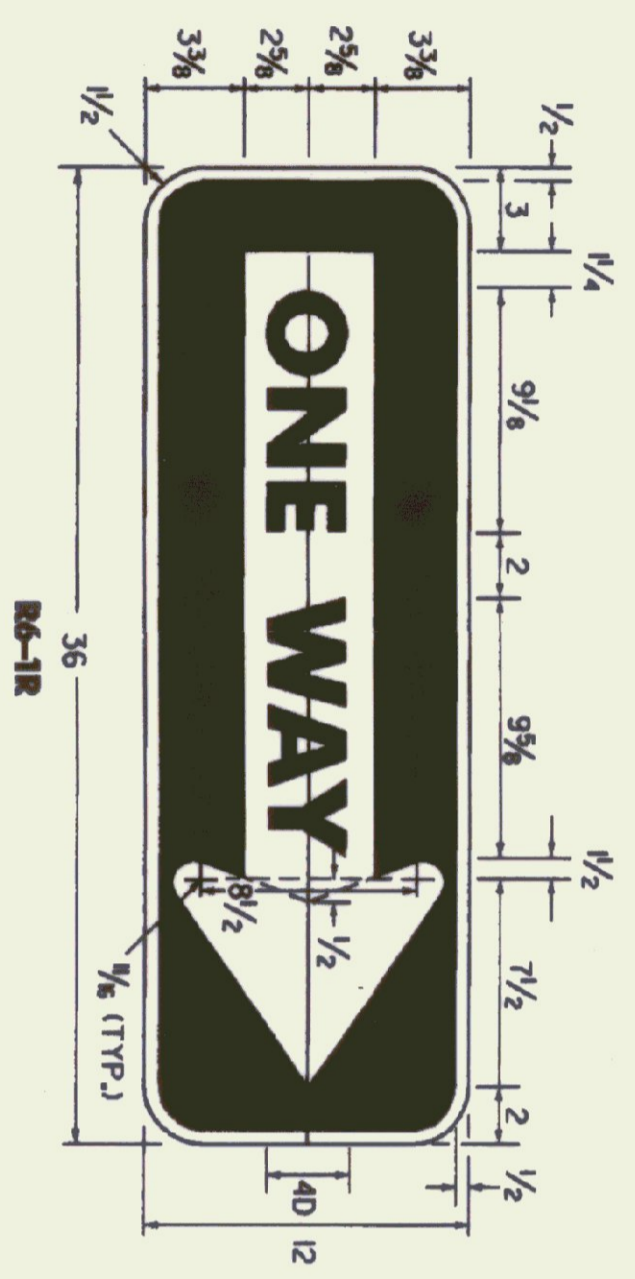


* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.
D2-1

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MIN.	18	24	3/8	3/8	3/2	4C	2 1/2	6 3/8	5 1/2	7	7 1/2	5 1/2	7 1/2	7 1/2	7 1/2	7 1/2
STD.	24	30	3/8	3/8	3/2	6C	2 1/2	9 3/8	7 3/8	9 3/4	9 3/4	7 3/8	9 3/4	9 3/4	9 3/4	9 3/4
EXPWY.	36	48	3/8	3/8	3/2	6C	2 1/2	14E	14E	14 3/8	14 3/8	14	14 3/8	14 3/8	14 3/8	14 3/8
F.W.Y.	48	60	3/4	1/4	9	10C	6	17	13 3/8	17 1/2	17 1/2	14	2 1/4	17 1/2	17 1/2	3



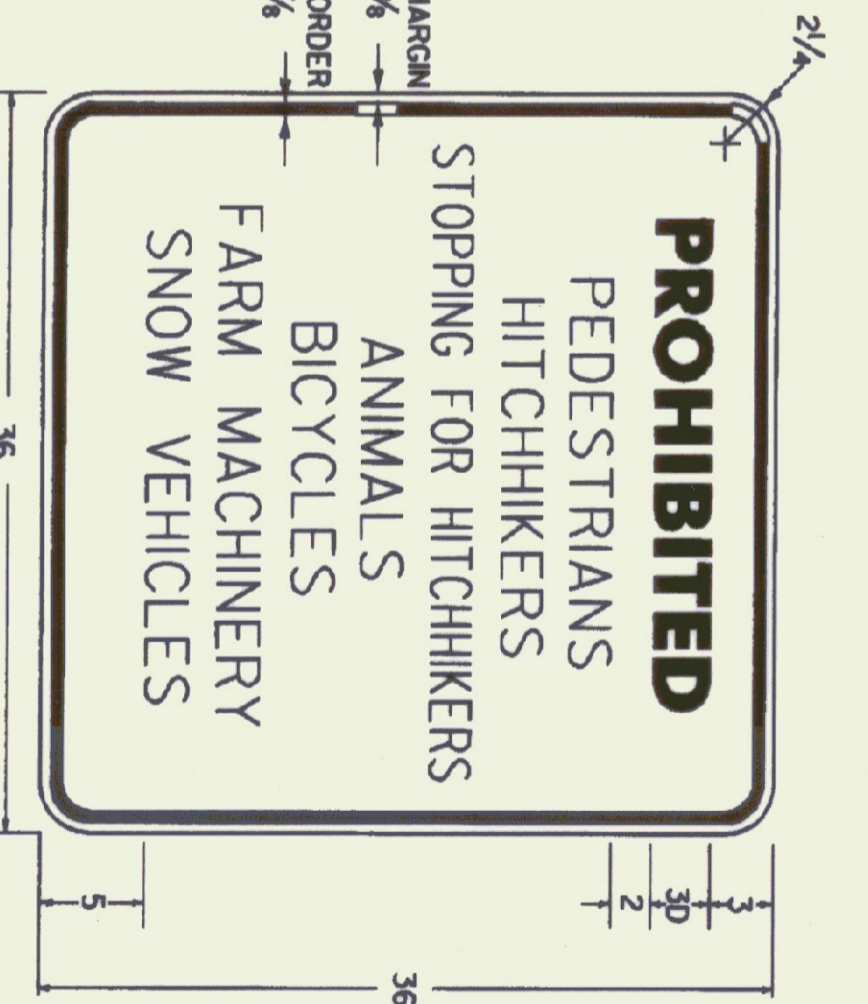
TO BE USED WITH "SPEED LIMIT 55" OR "65" F.W.Y. SIGN ONLY
VR-141



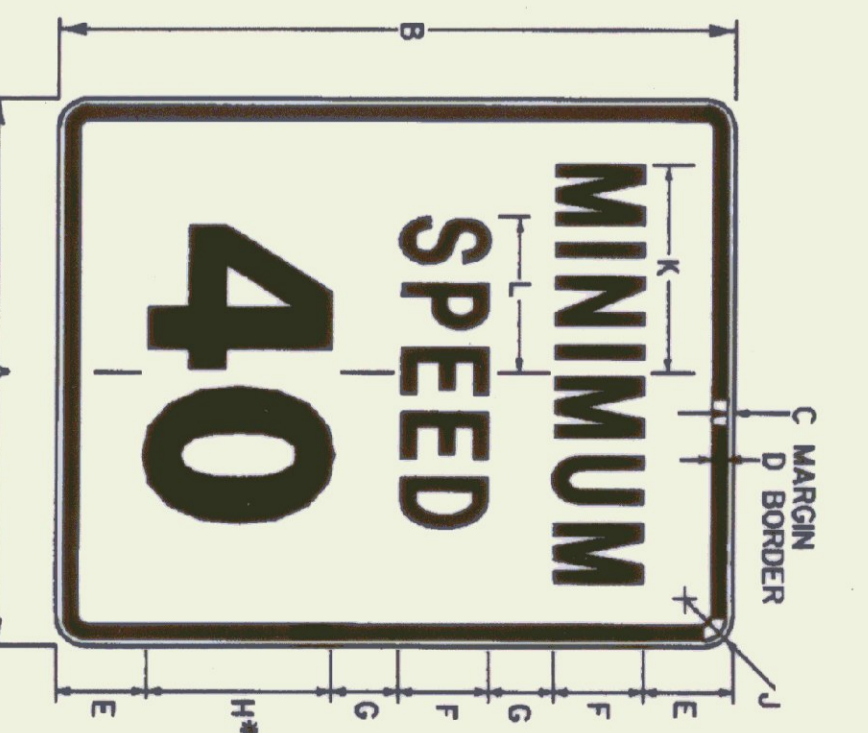
RB-1R



TEXT 4" G. SPACING 2"
VR-002

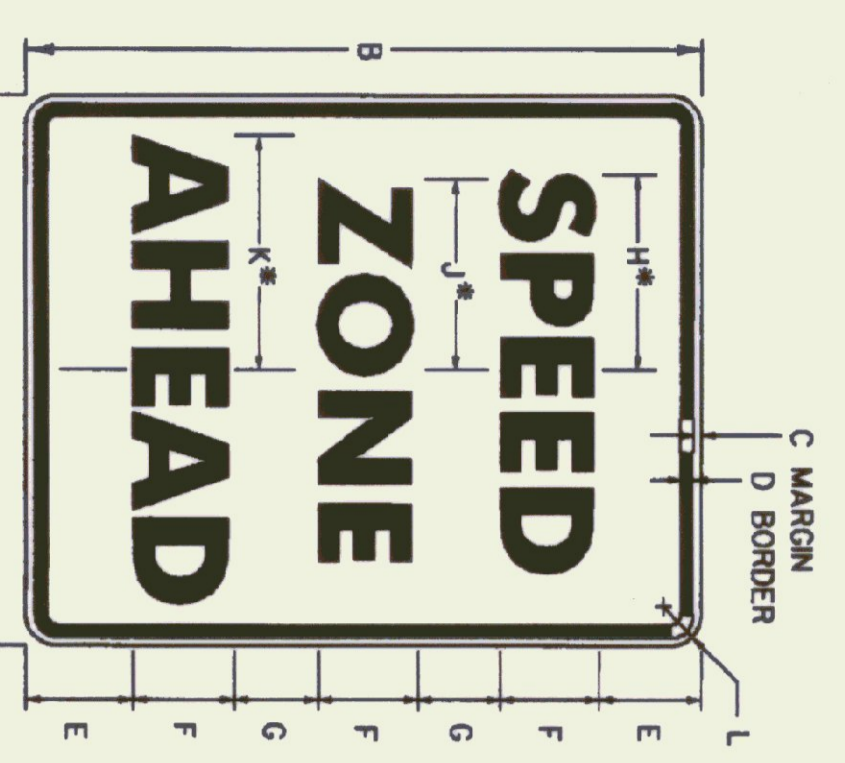


TEXT 2" G. SPACING 1/2", EXCEPT WHERE NOTED.
VR-046



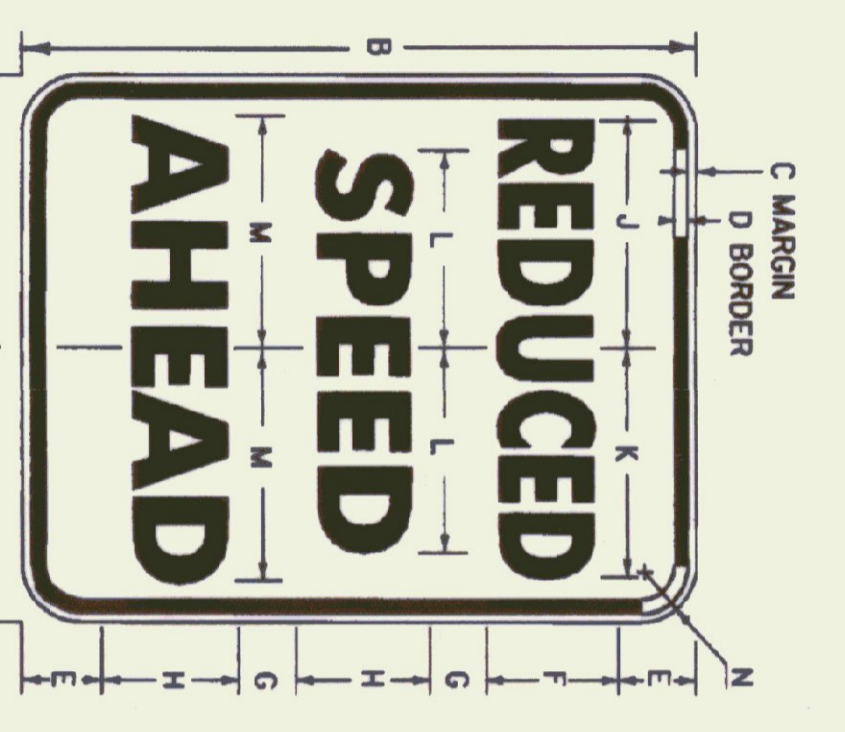
* OPTICALLY SPACE NUMERALS ABOUT VERTICAL CENTERLINE.
D2-4

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
STD.	24	30	3/8	3/8	4	4E	2	10E	1/2	9 3/8	6 3/8	6 3/8	9 3/4	10 3/4	10 3/4	10 3/4
EXPWY.	36	48	3/8	3/8	6	6E	5	14E	2 1/4	13 3/4	10 3/4	10 3/4	14 3/8	14 3/8	14 3/8	14 3/8
F.W.Y.	48	60	3/4	1/4	8	8E	4	20E	3	18 3/8	13 3/8	13 3/8	18 3/8	18 3/8	18 3/8	13 3/8



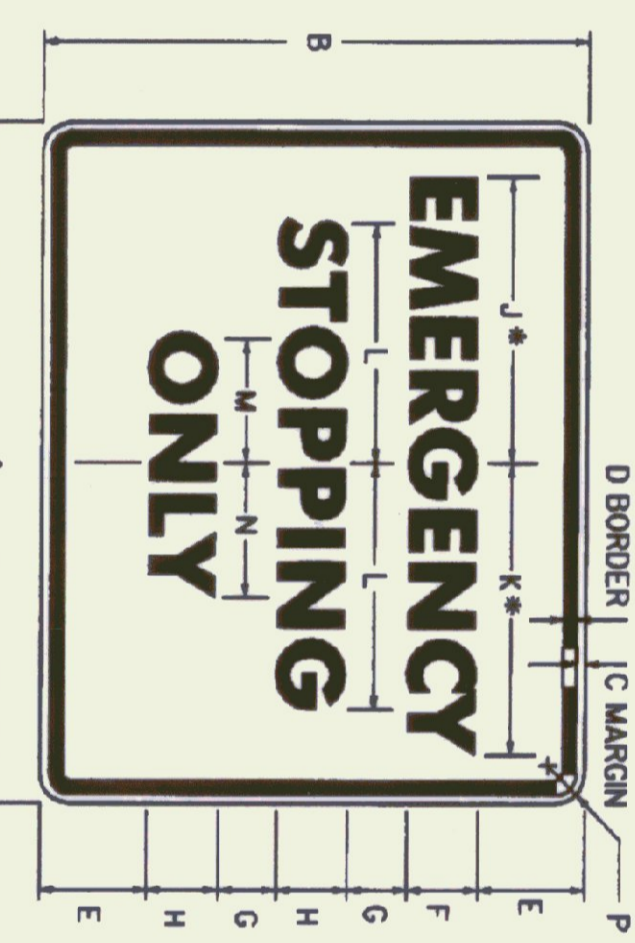
* FOR STD. SIZE, REDUCE SPACING 40 %
D2-5C

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MIN.	18	24	3/8	3/8	3/2	4C	2 1/2	6 3/8	5 1/2	7	7 1/2	5 1/2	7 1/2	7 1/2	7 1/2	7 1/2
STD.	24	30	3/8	3/8	3/2	6C	2 1/2	9 3/8	7 3/8	9 3/4	9 3/4	7 3/8	9 3/4	9 3/4	9 3/4	9 3/4
EXPWY.	36	48	3/8	3/8	3/2	6C	2 1/2	14E	14E	14 3/8	14 3/8	14	14 3/8	14 3/8	14 3/8	14 3/8
F.W.Y.	48	60	3/4	1/4	9	10C	6	17	13 3/8	17 1/2	17 1/2	14	2 1/4	17 1/2	17 1/2	3



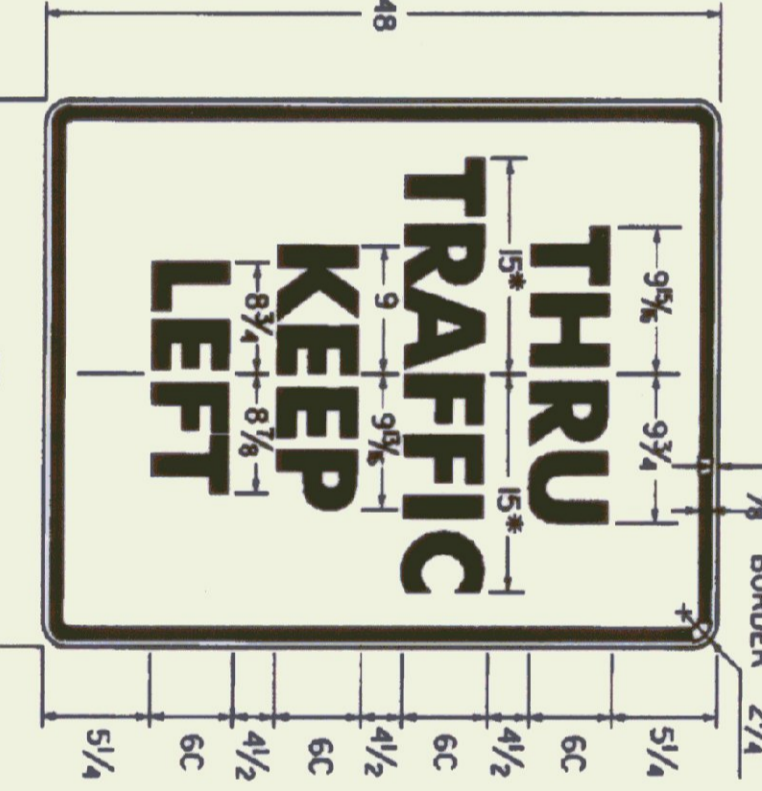
D2-5A

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
MIN.	18	24	3/8	3/8	3/2	4B	2 1/2	4C	6 1/8	7	6 3/8	7	7 1/2	7 1/2	7 1/2	7 1/2
STD.	24	30	3/8	3/8	3/2	6B	2 1/2	6C	10	10 3/4	9 3/8	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
EXPWY.	36	48	3/8	3/8	3/2	8B	5	8C	14 1/4	14 3/4	13 3/8	14	2 1/4	14 3/8	14 3/8	14 3/8
F.W.Y.	48	60	3/4	1/4	9	10B	6	10C	17 3/4	18 3/8	17 1/2	17 1/2	14	2 1/4	17 1/2	3



* FOR F.W.Y. SIZE, REDUCE SPACING 50 %
RB-7

SIGN	DIMENSIONS (INCHES)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
EXPWY.	30	24	3/8	3/8	3/2	4C	2 1/2	4D	12 1/2	13	12 3/4	6 3/8	7	1 1/2	1 1/2	1 1/2
F.W.Y.	48	36	3/8	3/8	5	6D	4	6D	20 1/8	21 1/8	19 1/8	10 3/8	10 3/8	2 1/4	2 1/4	2 1/4



* REDUCE SPACING 25 %
VR-118L

REVISIONS AND CORRECTIONS

OCT. 30, 1987 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS,
ADDED SIGN ID NUMBERS, MINOR NOTE
REVISIONS.
APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION,
FHWA FINAL APPROVAL PENINGS.

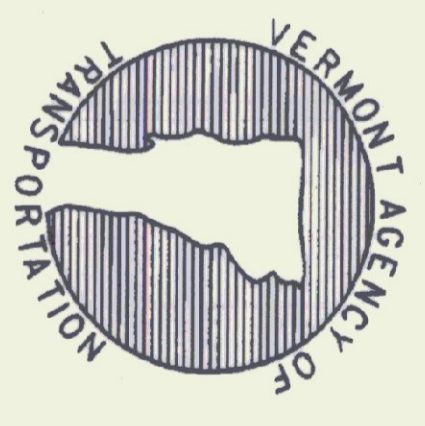
APPROVED

Director of Engineering
Traffic and Safety Engineer

REGULATORY SIGN
DETAILS

REGULATORY SIGN
DETAILS

/tr01/std/std42.dgn : std42.1



STANDARD
E-142

GENERAL:
1. ALL DIMENSIONS IN INCHES.

COLORS:
THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED WHITE BACKGROUND UNLESS OTHERWISE NOTED. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE COLORS ASSOCIATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:
THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

FLAT SHEET ALUMINUM	0.060"	0.090"	0.100"
HIGH DENSITY OVERLAIN PLYWOOD	1/2"	1/2"	5/8"
GALVANIZED FLAT SHEET	18 GAGE	16 GAGE	14 GAGE

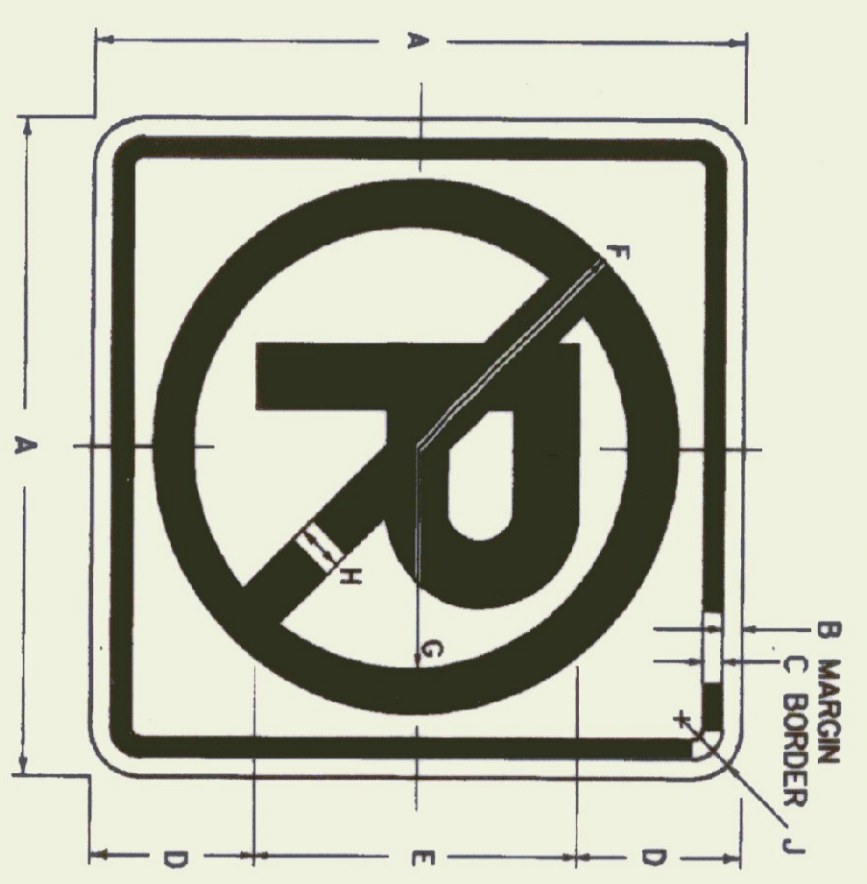
18' X 24' 24' X 30' 36' X 48'
36' X 36' 48' X 36' 48' X 48'
48' X 36' 48' X 48' 48' X 60'

THE REFLECTIVE MATERIAL FOR GROUND MOUNTED SIGNS SHALL BE AASHTO TYPE II OR III WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE TEXT OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING.

SPECIFICATIONS:
REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:
LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS AND DESIGNS DESCRIBED IN THE STANDARD HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS. : NONE REQUIRED

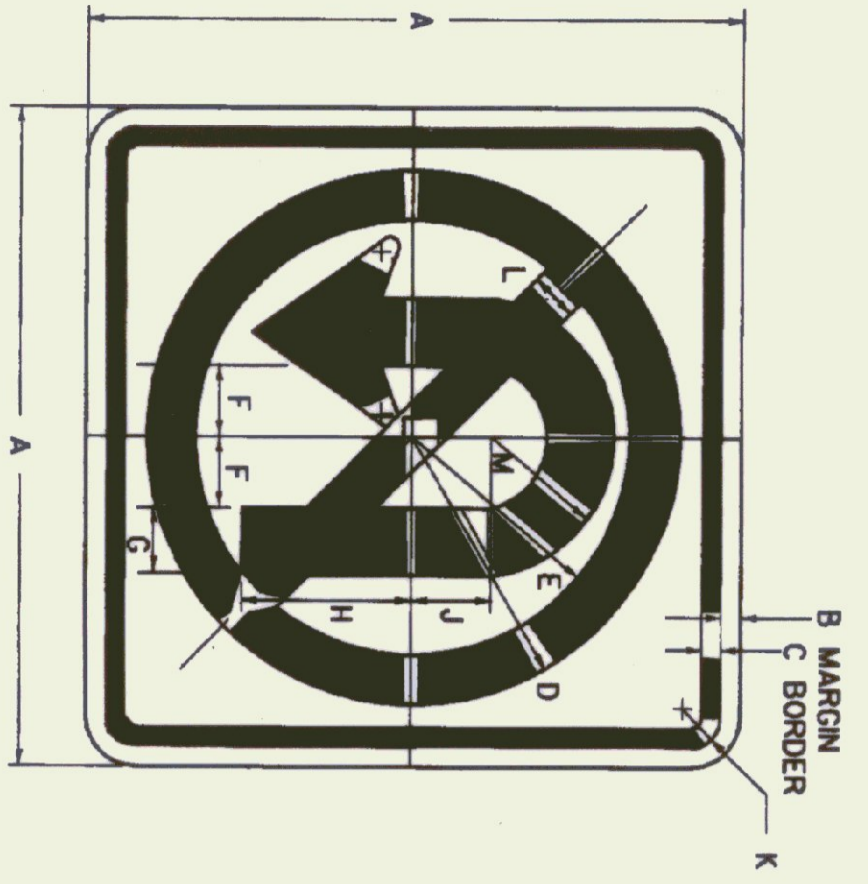


CIRCLE AND DIAGONAL - RED (REFL. - RURAL)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL. - RURAL)

R3-3A

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	24	3/4	3/8	3	3	3	3	3	3	3	3	3	3
EXPWY.	36	3/4	3/8	3	3	3	3	3	3	3	3	3	3
SPECIAL	48	3/4	3/8	3	3	3	3	3	3	3	3	3	3

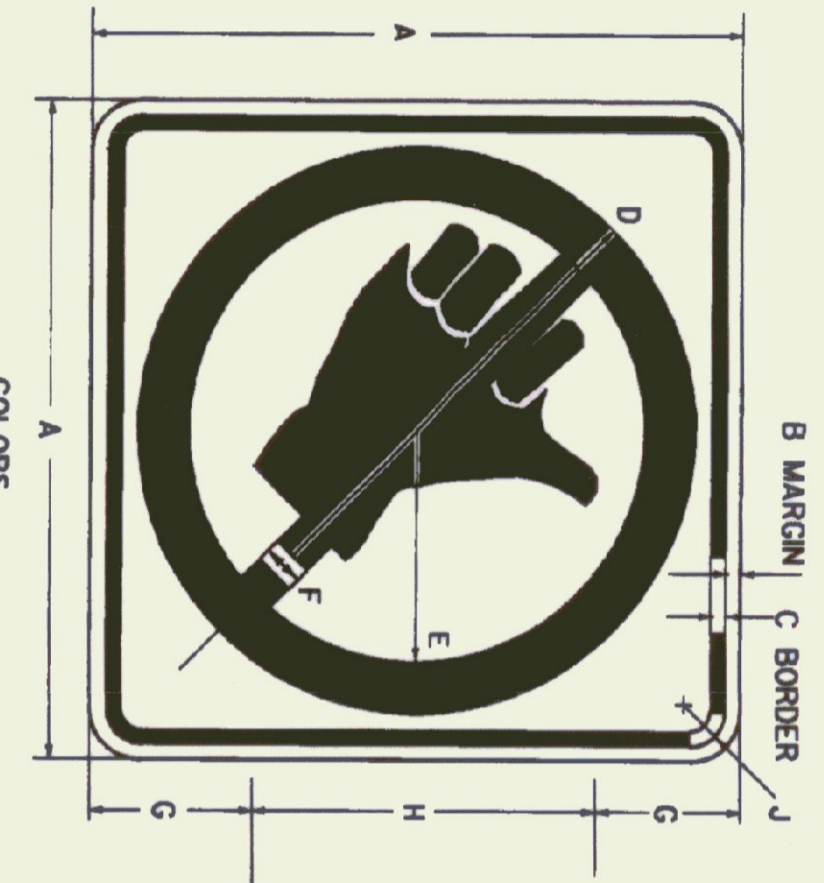


CIRCLE AND DIAGONAL - RED (REFL.)
ARROW AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)

R3-4

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	24	3/4	3/8	3	3	3	3	3	3	3	3	3	3
EXPWY.	36	3/4	3/8	3	3	3	3	3	3	3	3	3	3
SPECIAL	48	3/4	3/8	3	3	3	3	3	3	3	3	3	3

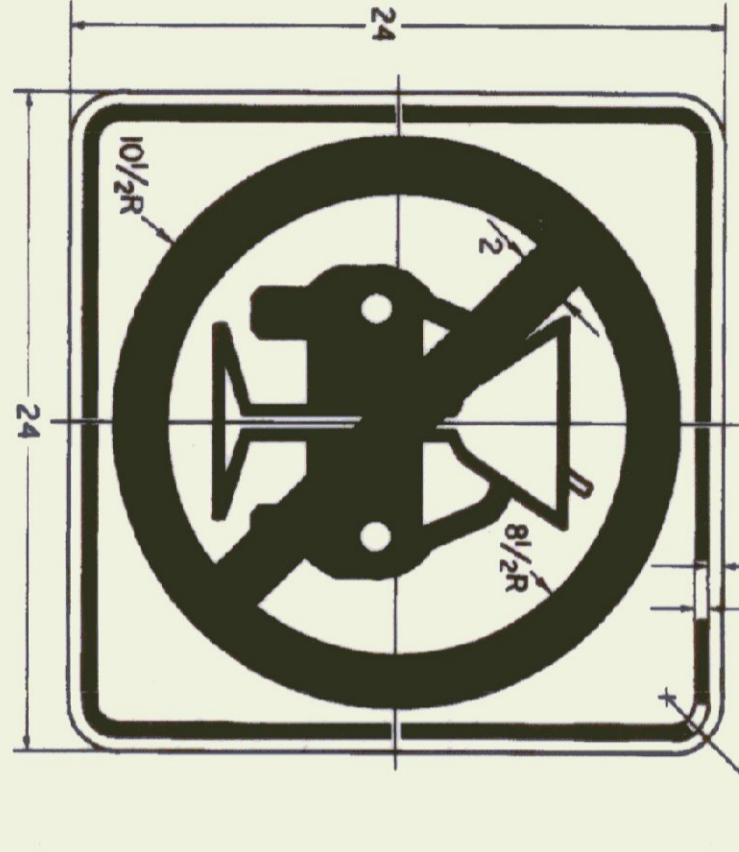


CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)

R3-4A

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	24	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
EXPWY.	36	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
SPECIAL	48	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8



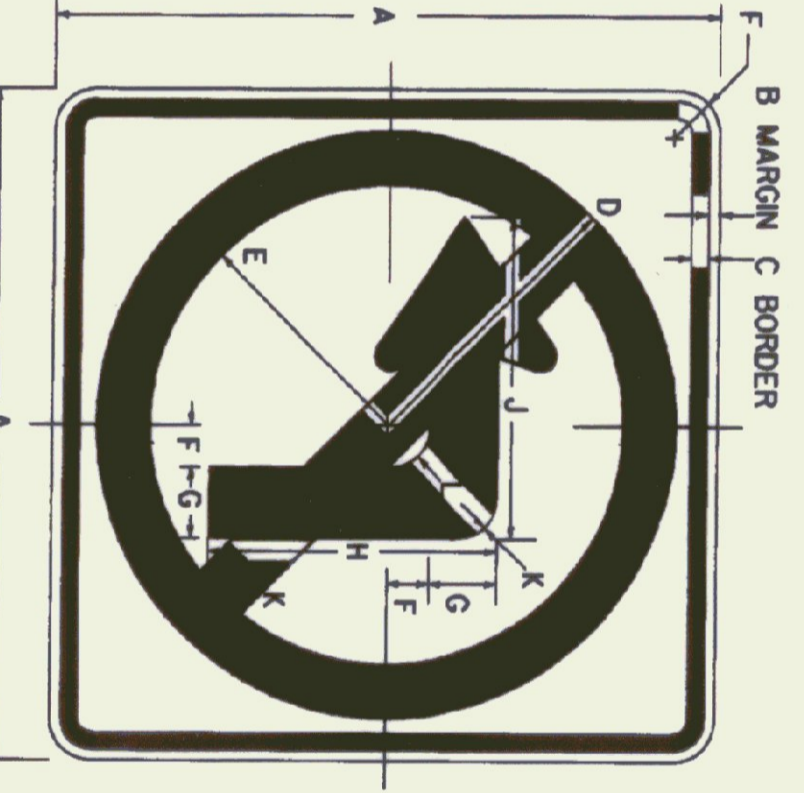
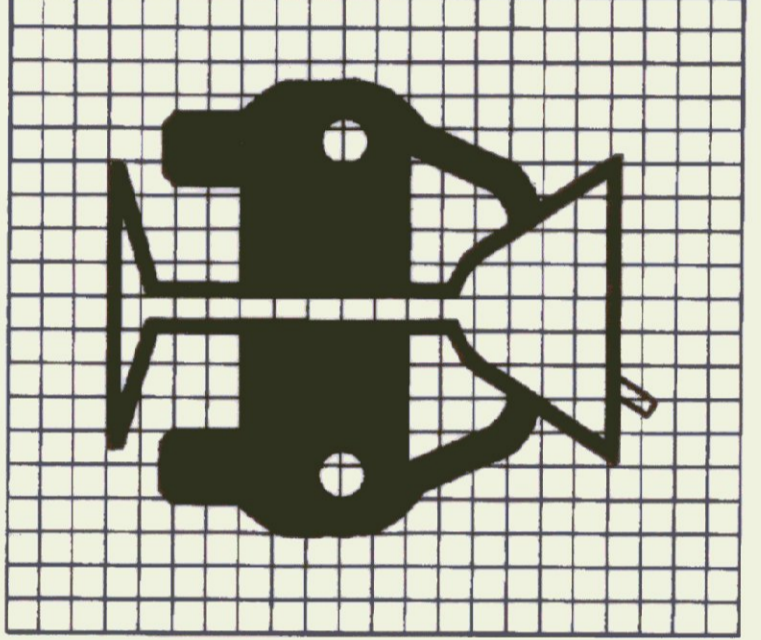
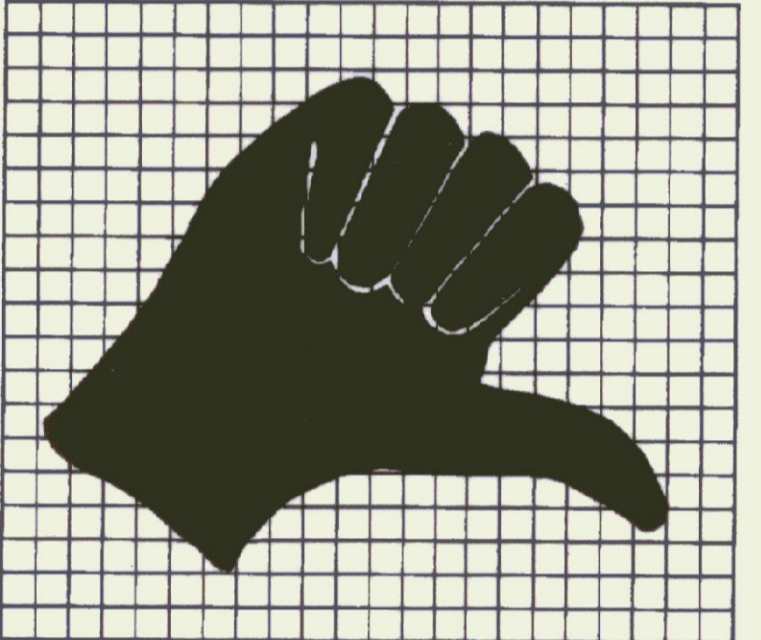
CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)



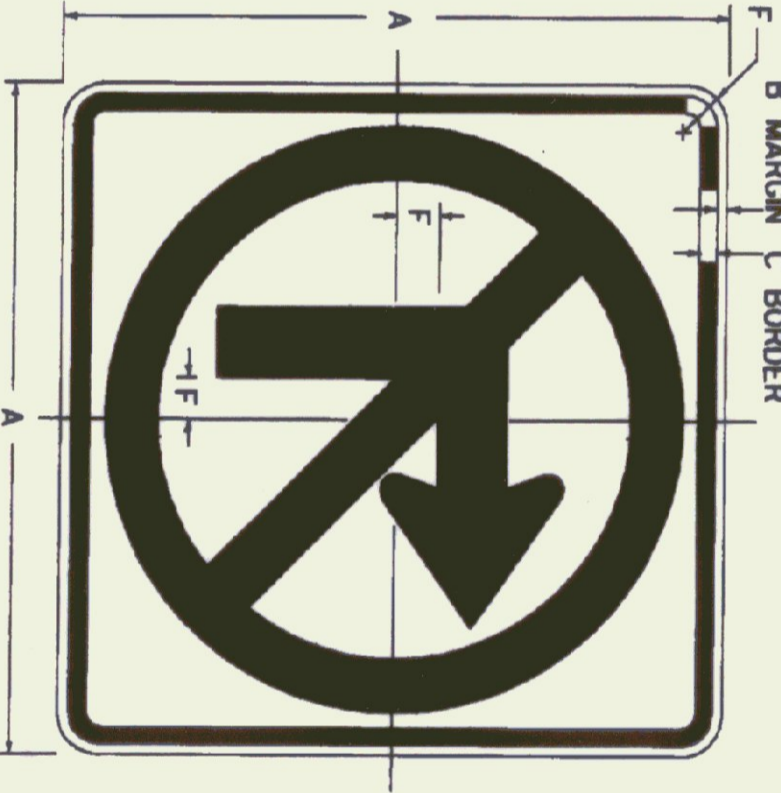
RS-1A

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	30	18	3/8	3	3	3	3	3	3	3	3	3	3
EXPWY.	36	24	3/4	4 1/2	6	2	2 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
SPECIAL	42	30	3/4	5	8	4	4	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2



CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)



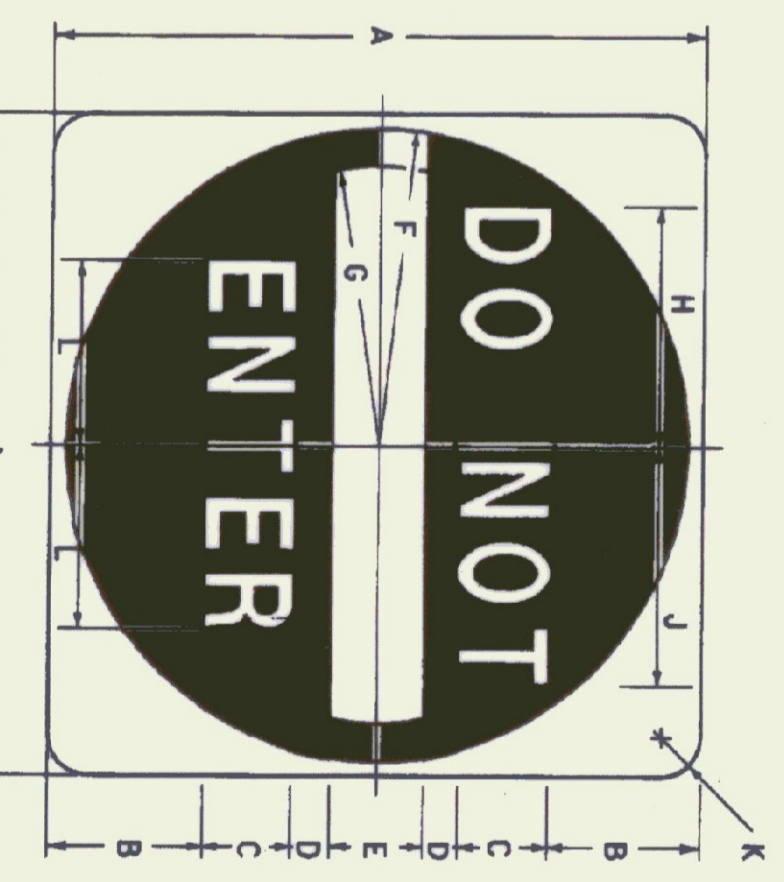
CIRCLE AND DIAGONAL - RED (REFL.)
ARROW AND BORDER - BLACK (NON - REFL.)
BACKGROUND - WHITE (REFL.)

R3-1

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	24	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
EXPWY.	36	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
SPECIAL	48	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8

NOTE: USE SAME ARROW DETAIL FOR R3-1 AND R3-2

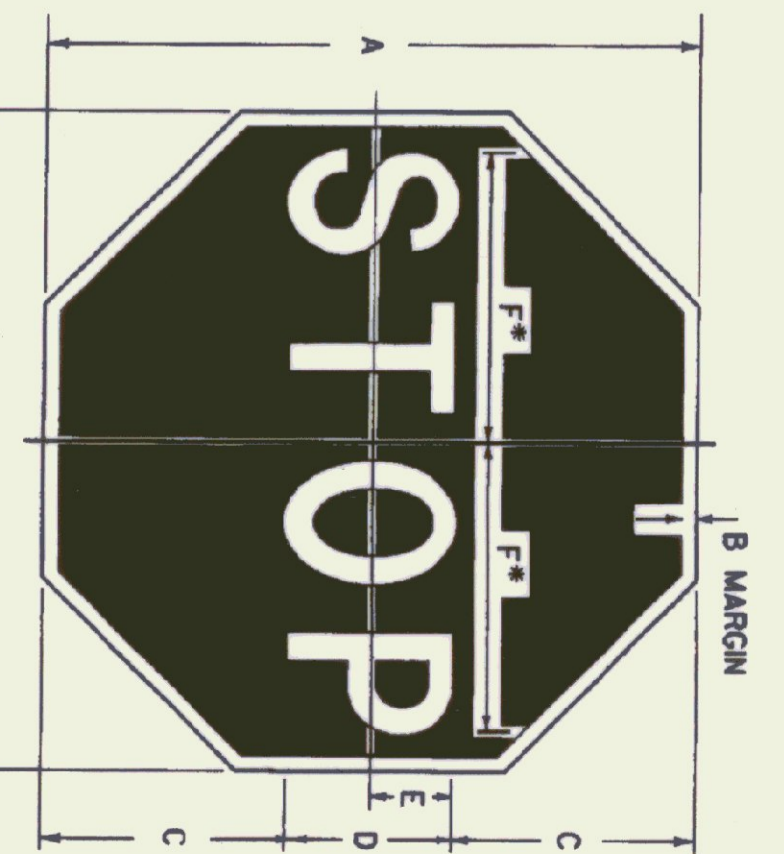


CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - WHITE (REFL.)
BACKGROUND - WHITE (REFL.)

RS-1

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	30	6 1/2	4	2	5	1 1/2	12 1/2	9 3/4	10	1 1/2	7 1/2	1 1/2	1 1/2
EXPWY.	36	7 1/2	5	2 1/2	6	1 7/8	15	12	12 1/2	2 1/4	9 3/4	1 1/2	1 1/2
SPECIAL	48	11	6	3	8	2 1/4	20	14 1/2	15	3	11 3/4	1 1/2	1 1/2



CIRCLE AND DIAGONAL - RED (REFL.)
SYMBOL AND BORDER - WHITE (REFL.)
BACKGROUND - RED (REFL.)

RS-1

COLORS

SIGN	DIMENSIONS (INCHES)												
	A	B	C	D	E	F	G	H	J	K	L	M	
MIN. AND STD.	30	18	3/8	6	6	3	3	3	3	3	3	3	3
EXPWY.	36	24	3/4	8	8	4	4	4	4	4	4	4	4
SPECIAL	48	36	3/4	10	10	5	5	5	5	5	5	5	5

GENERAL:
1. ALL DIMENSIONS IN INCHES.
2. SEE STANDARD E-144 FOR ARROWHEAD DETAILS.

COLORS:
THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:
THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

FLAT SHEET ALUMINUM	0.060"	0.080"	0.100"
HIGH DENSITY OVERLAP PLYWOOD	1/2"	1/2"	5/8"
GALVANIZED FLAT SHEET STEEL	18 GAUGE	16 GAUGE	14 GAUGE

THE REFLECTIVE MATERIAL SHALL BE ASPHALT TYPE 11 OR 111 WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE BLACK PORTIONS OF THE SIGNS MAY BE LETTER IN ONE 11M, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING. ENCAPSULATED LENS REFLECTIVE SHEETING SHALL BE USED FOR THE SIGN BACKGROUND WHERE NOTED.

SPECIFICATIONS:
REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:
LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS AND DESIGNS PRESCRIBED IN THE STANDARD FOR HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS.: E-144
REQUIRED

VERMONT AGENCY OF TRANSPORTATION
STANDARD E-143

APPROVED

Thomas D. Miller
DIRECTOR OF ENGINEERING

David A. Davis
TRAFFIC AND SAFETY ENGINEER

REGULATORY SIGN DETAILS

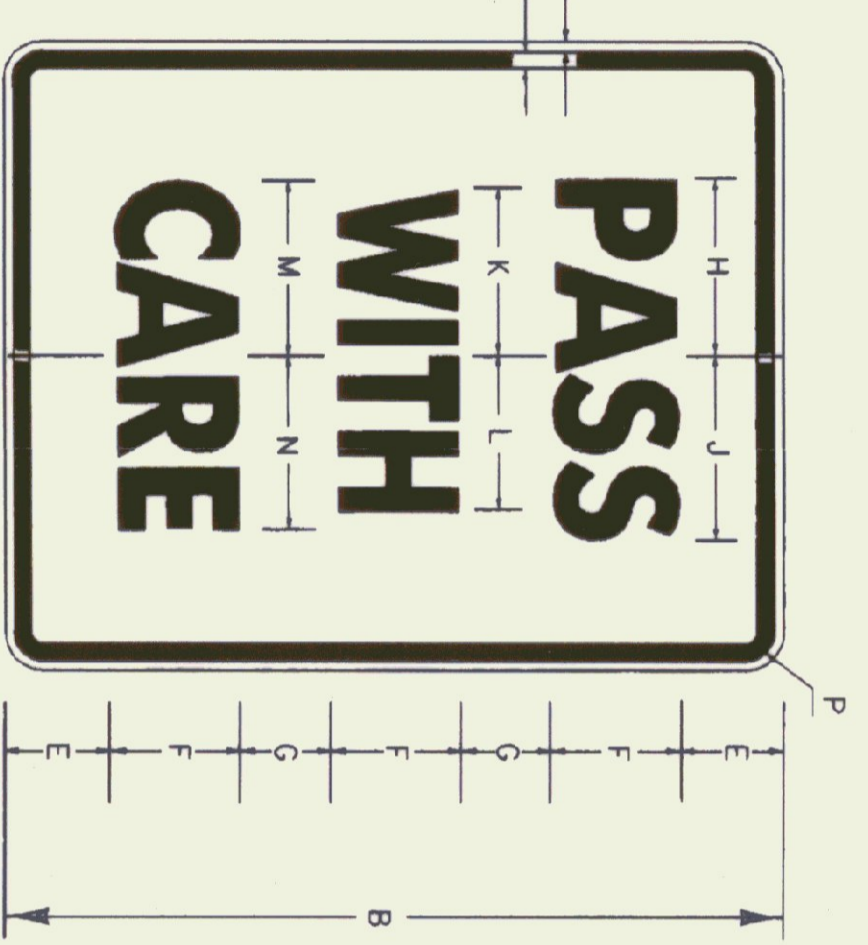
REVISIONS AND CORRECTIONS

OCT. 30, 1987 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS,
ADDED SIGN ID NUMBERS, MINOR NOTE REVISIONS.
APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION, FHWA FINAL APPROVAL PENDING.



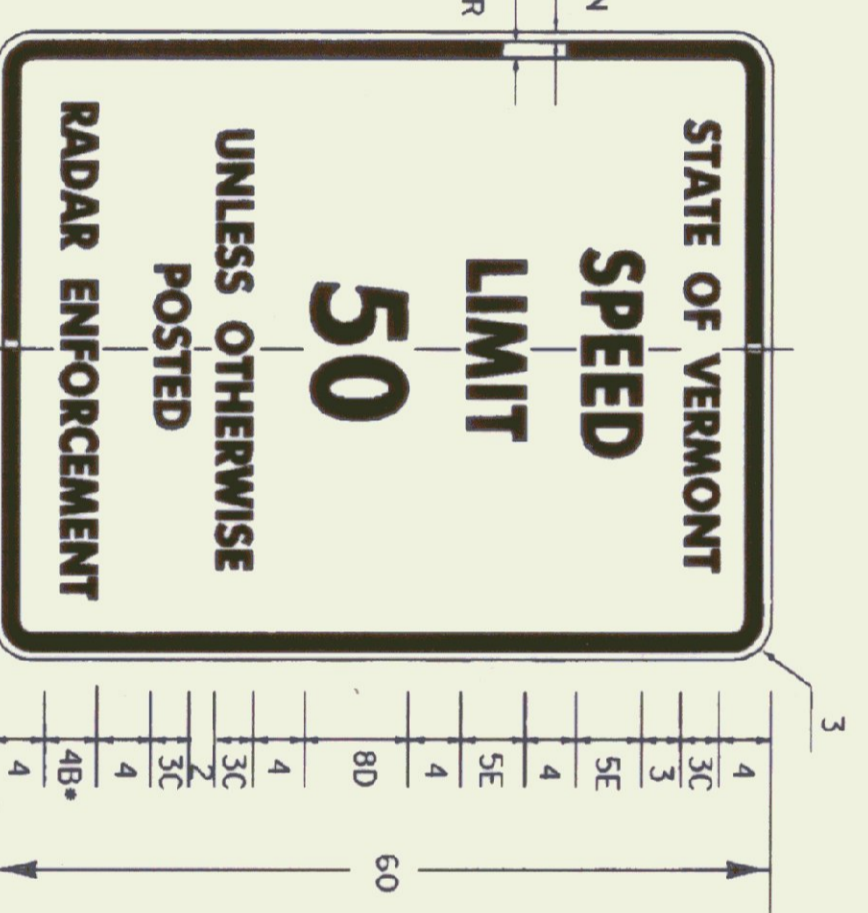
VR-048
FOR STD SIZE, REDUCE SPACING 25%
DIMENSIONS (INCHES)

SIGN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	T
STD.	24	30	3/8	3/8	3	4B	3	3B	1/2	3B	2/2	9/2	10%	10%	5%	8%	11/2	
EXPWY.	48	60	3/4	11/4	6	7C	5	6B	4	6B	6	21	14/4	18/16	12%	16%	3	
& F.W.Y.																		

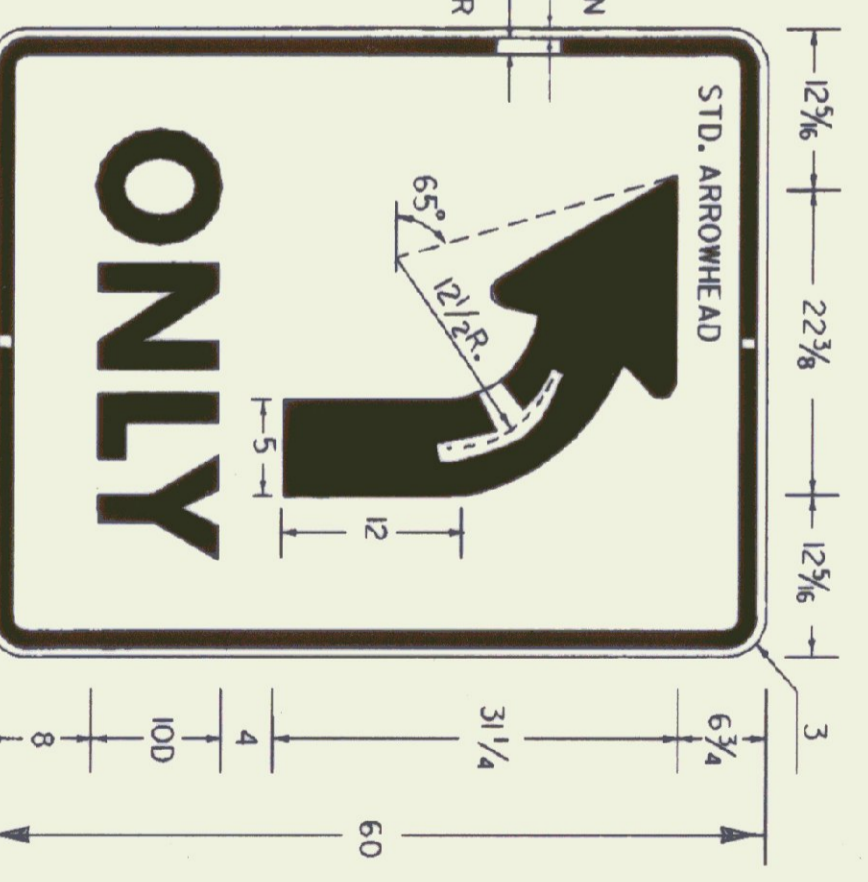


R4-2
DIMENSIONS (INCHES)

SIGN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
MIN.	18	24	3/8	3/8	3/2	4C	2/2	5%	5%	5%	4 3/4	5 3/8	5/2	1/2	
STD.	24	30	3/8	3/8	3/2	6C	2/2	8%	8%	8%	7 3/8	8	8/4	1/2	
EXPWY.	36	48	3/8	3/8	3/2	8C	5	10%	11/4	10	9/2	10 1/8	11	2 1/4	
F.W.Y.	48	60	3/4	1 1/4	8	10C	7	13%	14 1/8	12 1/2	11 3/8	13 3/4	3		

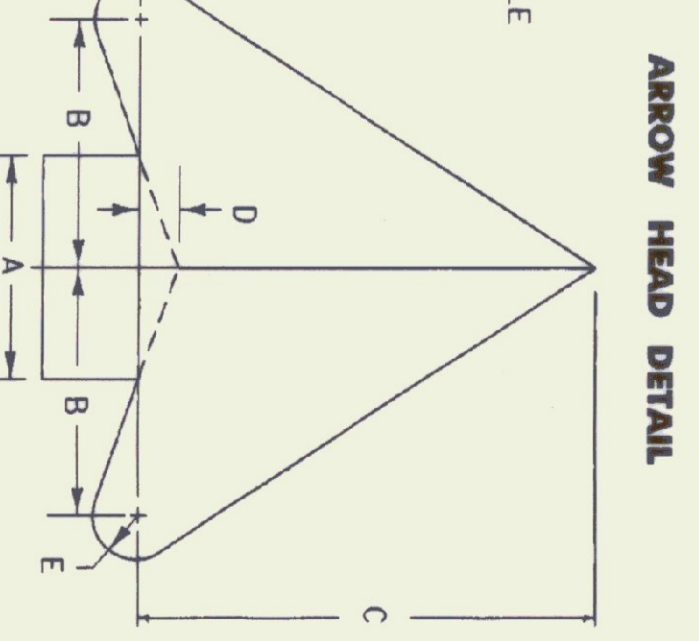


VR-114
REDUCE SPACING 25%
DIMENSIONS (INCHES)

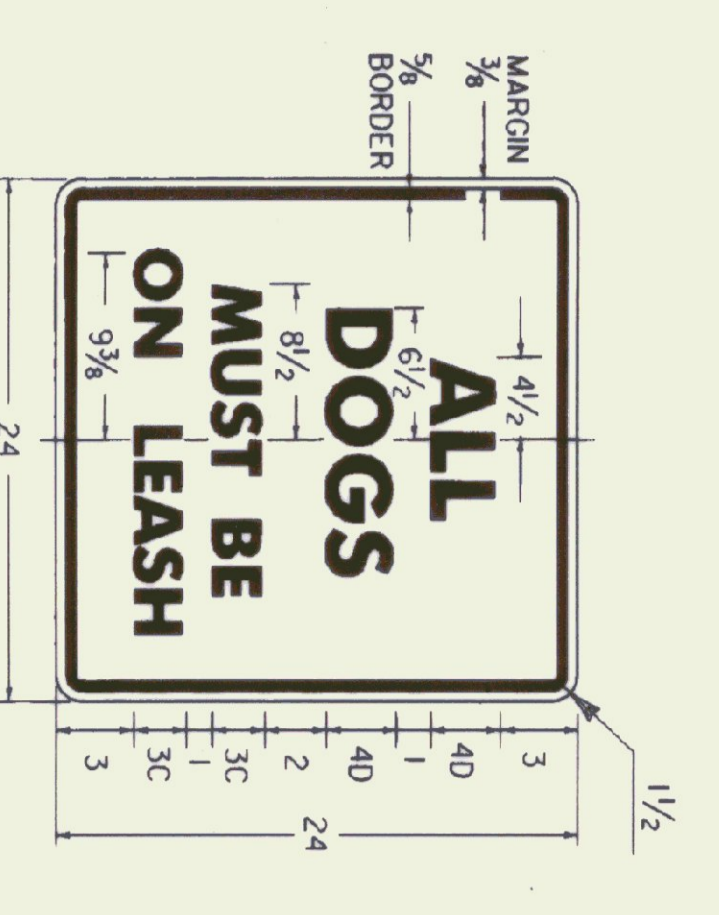


R3-5
(OVERHEAD SIGN)
DIMENSIONS (INCHES)

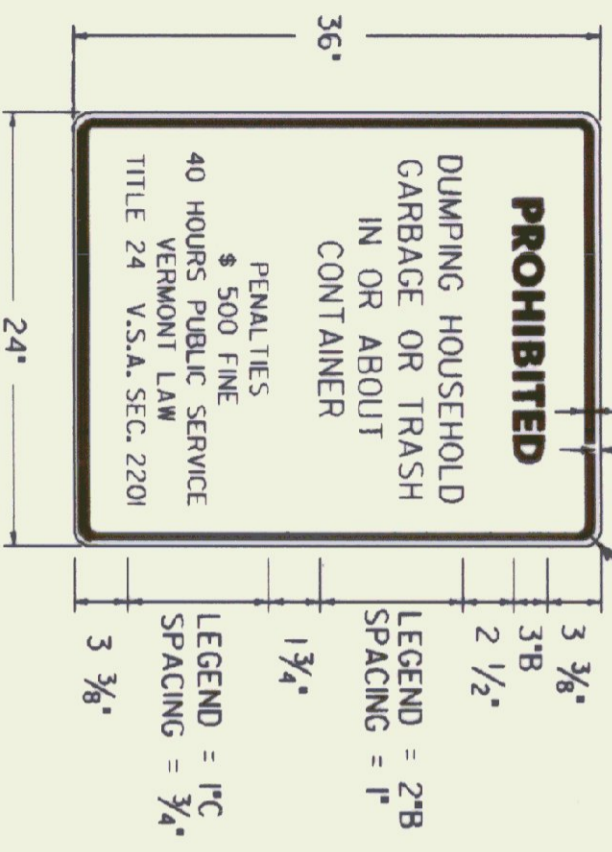
DIMENSIONS (INCHES)					DIMENSIONS (INCHES)				
A	B	C	D	E	A	B	C	D	E
2	2 1/8	4 1/8	3/8	3/8	4 1/4	4 1/8	8 3/8	3/8	5/8
2 1/4	2 3/8	4 1/2	3/8	3/8	4 3/8	5	8 1/8	3/8	7/8
2 1/2	2 7/8	5 1/8	3/8	3/8	4 1/2	5 1/8	9 1/8	3/8	7/8
2 5/8	3	5 1/4	3/8	3/8	4 3/4	5 1/8	9 3/8	3/4	1
3	3 1/8	5 3/8	3/8	3/8	4 7/8	5 3/4	9 1/2	3/4	1
3 1/4	3 1/2	6 1/8	3/8	3/8	5	5 3/4	10 1/8	3/4	1
3 1/2	3 3/4	6 3/8	3/8	3/8	5 1/4	6	10 3/8	3/4	1 1/8
3 3/4	3 7/8	6 5/8	3/8	3/8	5 1/2	6 1/8	10 5/8	3/4	1 1/4
3 5/8	4	7 1/8	3/8	3/8	5 3/4	6 3/8	11 1/8	3/4	1 1/2
4	4 1/8	7 3/8	3/8	3/8	6	6 3/4	12 3/8	3/4	1 3/8
4 1/4	4 3/8	7 5/8	3/8	3/8	6 1/2	6 7/8	13 1/8	3/4	1 1/2
4 1/2	4 5/8	7 7/8	3/8	3/8	6 3/4	7	13 3/8	3/4	1 3/4
4 3/4	4 7/8	8 1/8	3/8	3/8	7	7 1/2	14 3/8	3/4	1 3/4
					7 1/2	8	15 3/8	3/4	1 3/2
					8	8 1/4	16 1/4	3/4	1 5/8



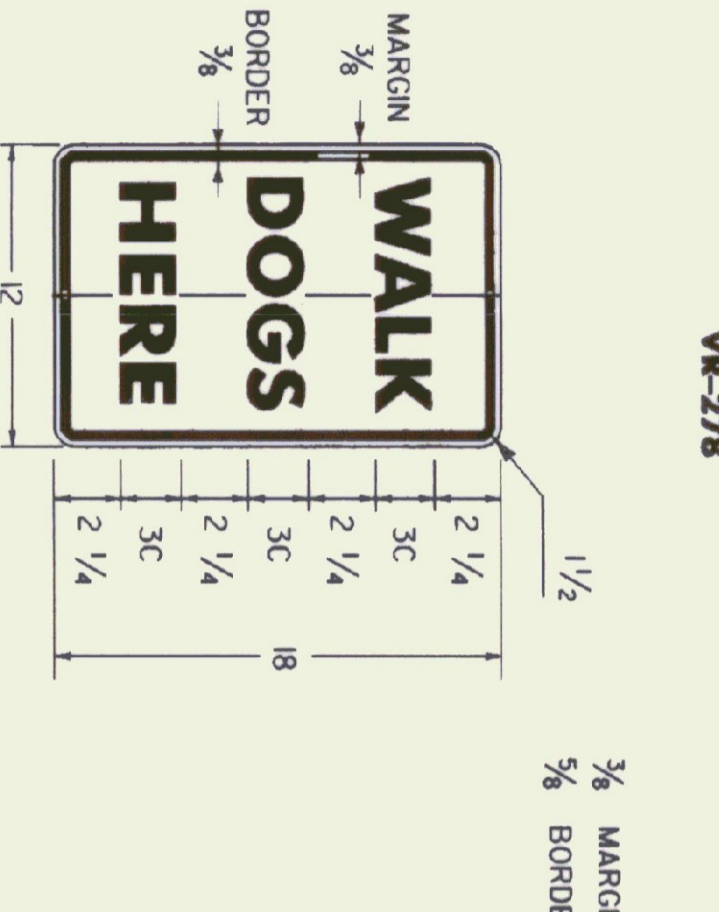
VR-032
DIMENSIONS (INCHES)



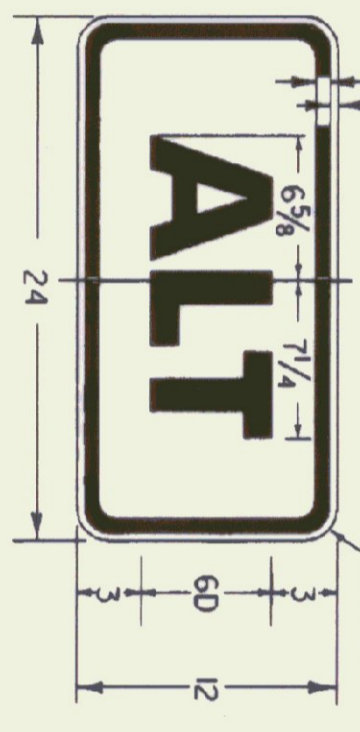
VR-648
DIMENSIONS (INCHES)



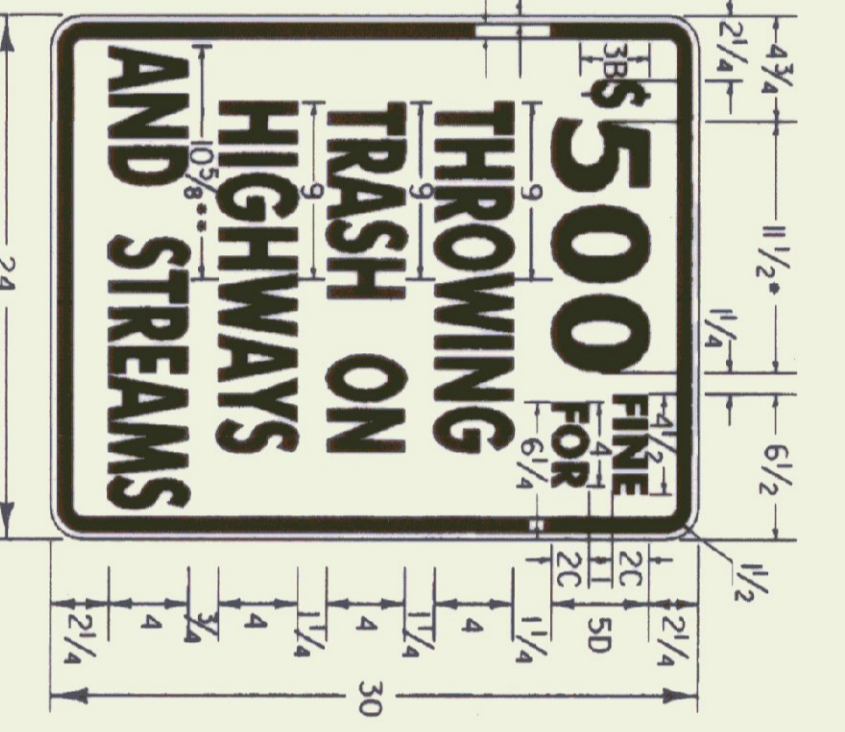
VR-278
DIMENSIONS (INCHES)



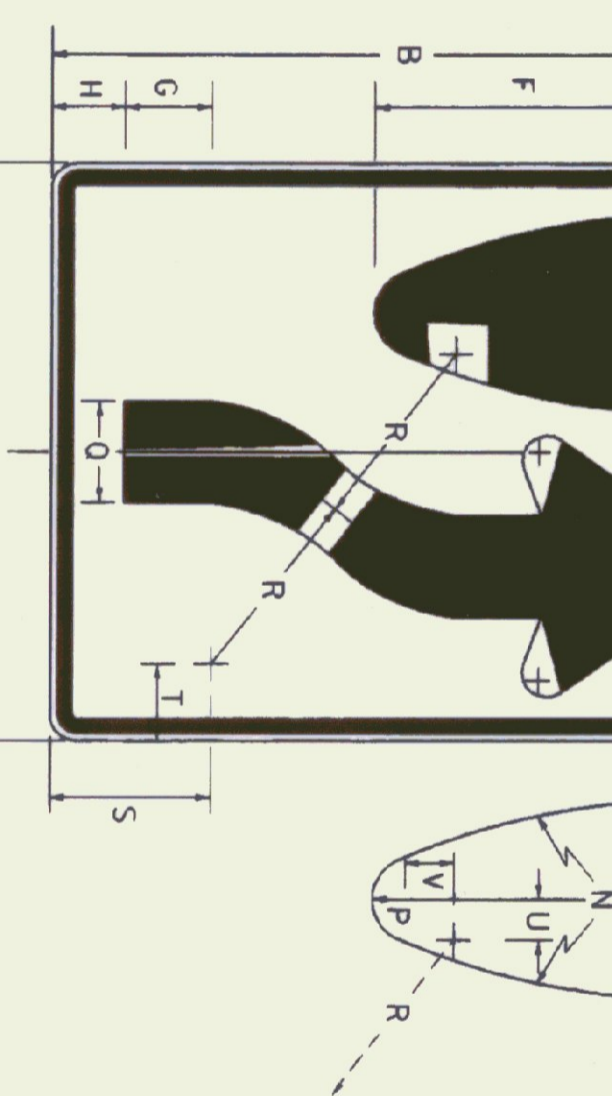
VR-541
DIMENSIONS (INCHES)



M4-1A
DIMENSIONS (INCHES)



VR-023b
DIMENSIONS (INCHES)



R4-7
DIMENSIONS (INCHES)

SIGN	A	B	C	D	E	F	G	H	I	J	K
MIN	18	24	3/8	3/8	3%	9%	1/8	2 1/4	1 3/8	5 1/2	5 1/2
STD	24	30	3/8	3/8	4 1/2	12 1/2	2 1/2	3	1 7/8	7 3/8	7 3/8
EXPWY	36	48	3/8	3/8	6 3/4	18 3/4	3 3/4	4 1/2	2 3/4	10 1/8	10 1/8
F.W.Y.	48	60	3/4	1 1/4	9	25	5	6	3 3/4	14 3/8	14 3/8
MIN	4 1/8	6	2 2 1/2	1/2	3	6 3/4	4 1/8	2 1/4	1 1/8	1/2	1/2
STD	6 1/4	8	30	2	4	9	5 1/2	3	1%	2%	1/2
EXPWY	9 3/8	12	45	3	6	13 1/2	8 1/4	4 1/2	2	2 3/4	2 1/4
F.W.Y.	12 1/2	16	60	4	8	18	11	6	2 1/8	5	3

GENERAL:
1. ALL DIMENSIONS IN INCHES.

COLORS:
THE REGULATORY SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT ON REFLECTORIZED WHITE BACKGROUND, UNLESS OTHERWISE NOTED. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

MATERIALS:
THE SIGN BASE MATERIALS USED FOR REGULATORY SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING OF THE MINIMUM THICKNESS NOTED.

FLAT SHEET ALUMINUM	0.060"	0.080"	0.100"
HIGH DENSITY OVERLAIN PLYWOOD	1 1/2"	1 7/8"	5/8"
GALVANIZED FLAT SHEET STEEL	18 GAUGE	16 GAUGE	14 GAUGE

12" X 18"
18" X 24"
30" X 24"
24" X 12"
24" X 24"
24" X 36"
18" X 24"
36" X 48"
48" X 60"

THE REFLECTIVE MATERIAL FOR GROUND MOUNTED SIGNS SHALL BE AASHTO TYPE II OR III WHITE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. WHEN MOUNTED OVERHEAD, ALL SIGNS SHALL HAVE ENCAPSULATED LENS REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE TEXT OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. HAND PAINTING MUST BE COMPARABLE IN QUALITY TO THE RESULTS OBTAINED BY SILK SCREENING.

SPECIFICATIONS:
REGULATORY SIGNS SHALL MEET THE VERMONT STANDARD SPECIFICATIONS FOR TRAFFIC SIGNS.

TEXT DESIGN:
LETTERS, DIGITS, ARROWS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAYMENT MARKINGS AND DESIGNS DESCRIBED IN THE STANDARD FOR HIGHWAY SIGNS AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

OTHER STDS.: NONE REQUIRED

APPROVED

DIRECTOR OF PROJECT DEVELOPMENT

DIRECTOR OF CONSTRUCTION AND MAINTENANCE

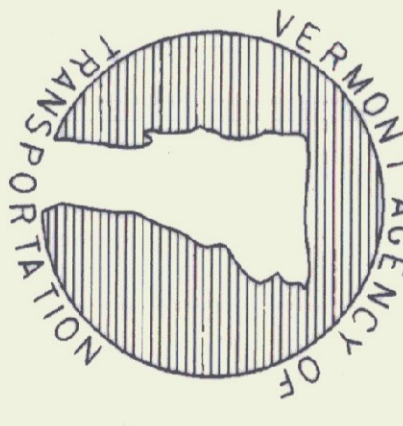
REVISIONS AND CORRECTIONS

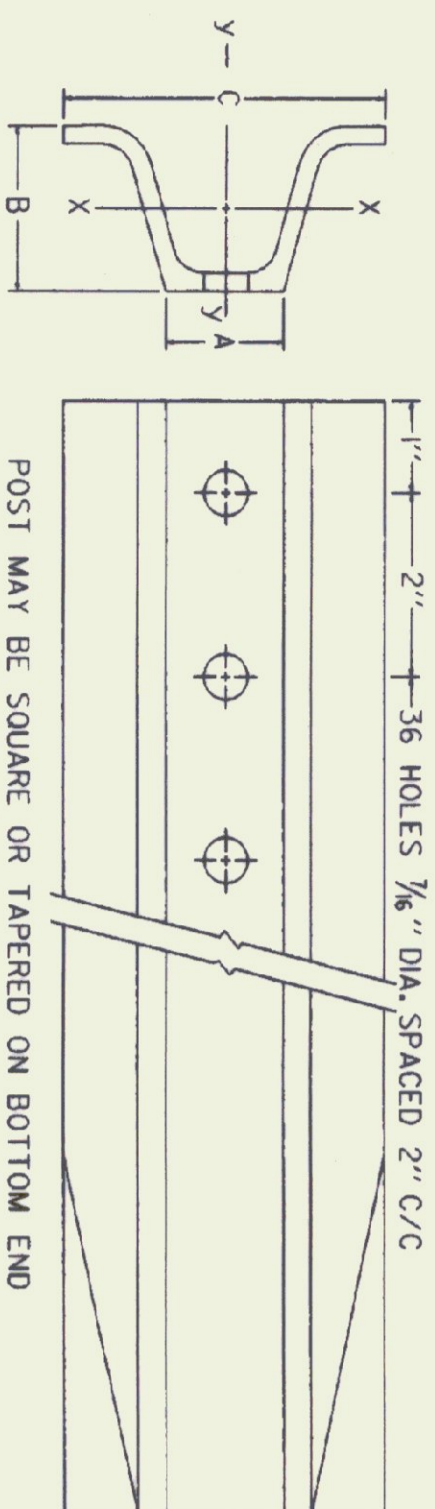
JAN. 23, 1989 - DATE OF ORIGINAL ISSUE
SEPT. 20, 1995 - ADDED AND DELETED SIGN DETAILS,
ADDED SIGN ID NUMBERS, MINOR NOTE
REVISIONS
FEB. 2, 1998 - REMOVED VR-023, REPLACED WITH
VR-278

REGULATORY SIGN DETAILS

STANDARD E-144

/rctf/std/stdel44.dgn: stdel44.i

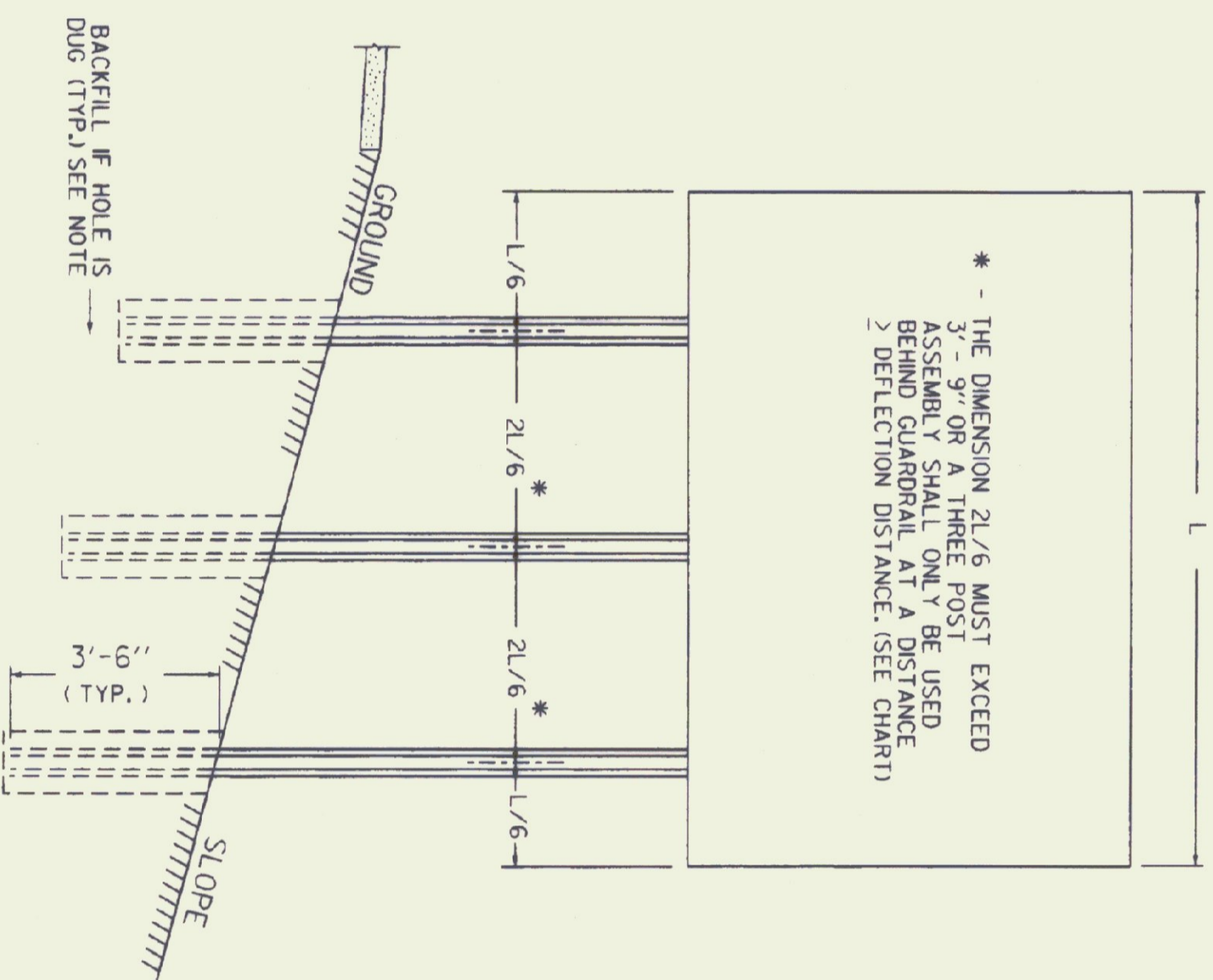




POST SIZE (LB/FT.)	DIMENSIONS			SECTION MODULUS, X-X
	A	B	C	
2	1 3/8"	1 3/4"	3 1/8"	0.225 IN ³
3	1 3/8"	1 1/2"	3 1/2"	0.403 IN ³

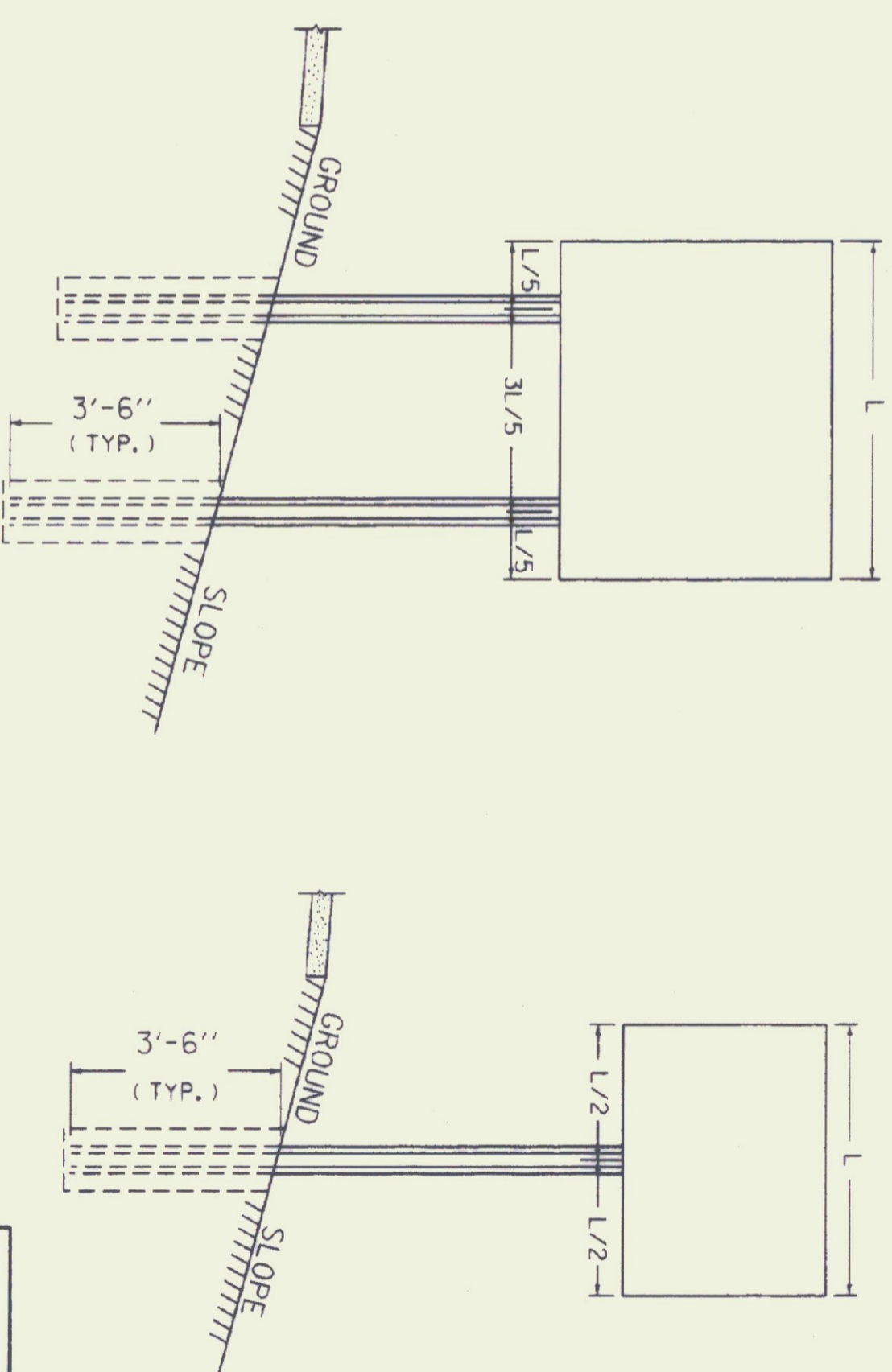
SIMILAR DIMENSIONS ARE ACCEPTABLE, HOWEVER SECTION MODULUS VALUES SHALL NOT BE EXCEEDED.

* - THE DIMENSION 2L/6 MUST EXCEED 3'-9" OR A THREE POST ASSEMBLY SHALL ONLY BE USED BEHIND GUARDRAIL AT A DISTANCE ≥ DEFLECTION DISTANCE. (SEE CHART)



MULTI-POST INSTALLATIONS

WHEN SIGN POSTS ARE INSTALLED WITH A POST SPACING OF LESS THAN 8 FEET, POST SIZES MUST BE SELECTED TO INSURE THAT WHEN ACTING TOGETHER THE POSTS DO NOT CREATE A HAZARD. REFER TO V.A.O.T. SIGN POST DESIGN GUIDELINE FOR ADDITIONAL DETAILS.



GENERAL NOTES

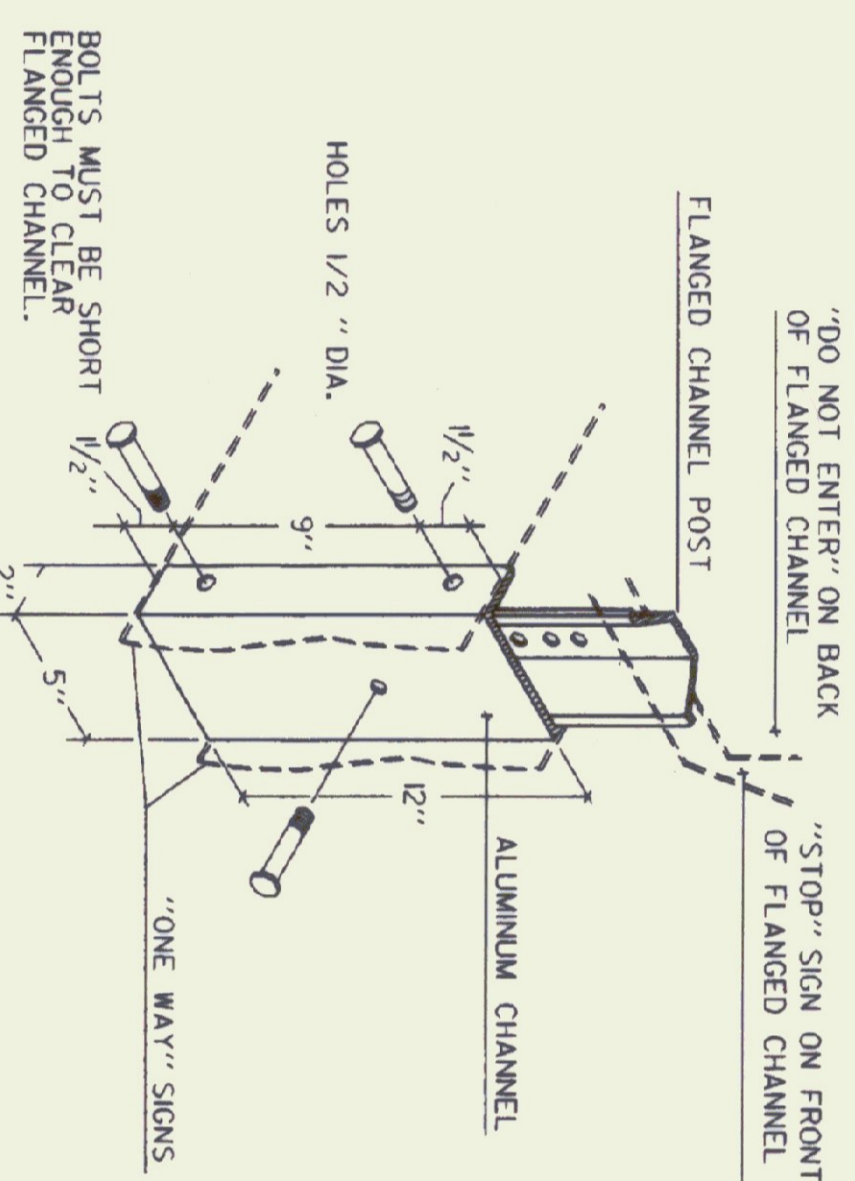
CONSTRUCTION METHODS - POSTS MAY BE DRIVEN OR SET IN A DUG HOLE AND BACKFILLED. IF DRIVEN, A DRIVING CAP SHALL BE USED. THE DUG HOLE INSTALLATION SHALL BE USED IN AREAS OF POOR SOIL CONDITIONS OR AS DIRECTED BY THE RESIDENT ENGINEER. BACKFILL SHALL BE COMPACTED AS DIRECTED BY THE RESIDENT ENGINEER.

IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED, POSTS WILL BE SET IN A HOLE WITH 2" CLEARANCE AND GROUTED WITH TYPE 4 MORTAR 24" BELOW THE SURFACE OF THE SOLID ROCK. UNLESS THE POSTS PENETRATE THE GROUND A MINIMUM OF 3'-6", THE PORTION OF THE POST IN CONTACT WITH THE MORTAR SHALL BE COATED WITH AN APPROVED COATING.

SIGN CLEARANCES - HORIZONTAL AND VERTICAL SIGN CLEARANCES SHALL BE SHOWN ON THE PLANS OR THE APPROPRIATE STD. SHEETS.

SINGLE POST INSTALLATIONS SHALL BE LIMITED TO A SIGN AREA OF 12-1/2 SQ. FT. OR LESS.

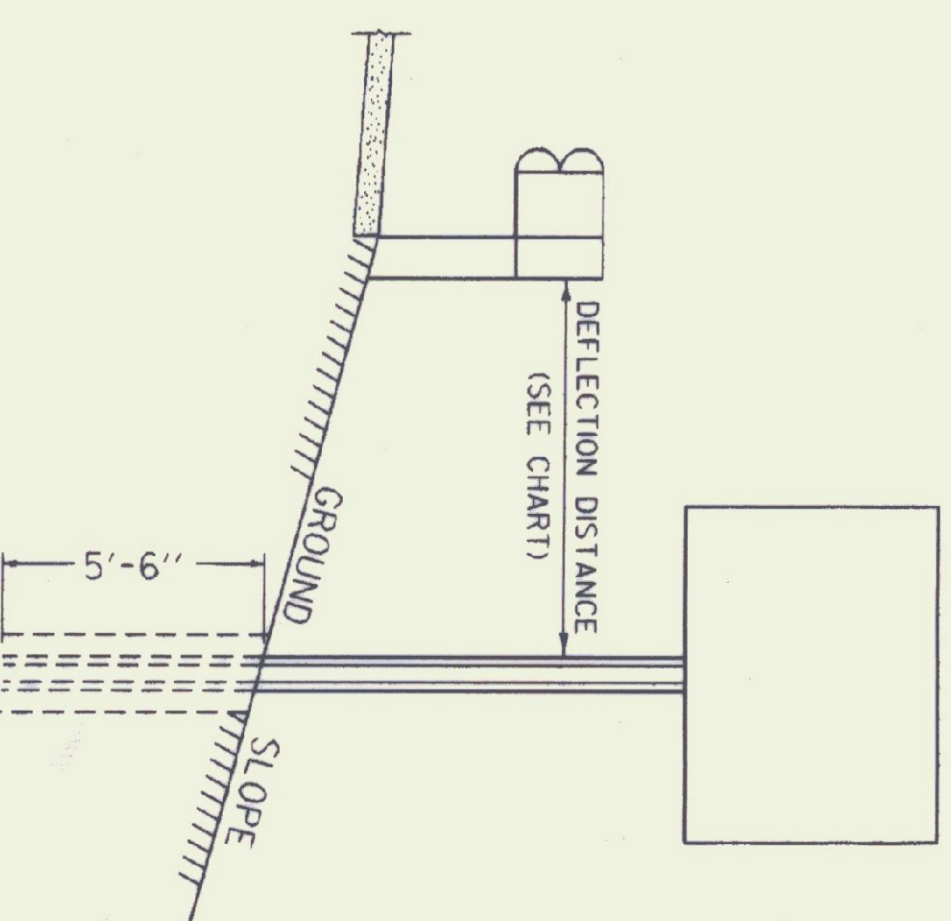
POST SPACING DETAILS



DETAIL OF TYPE "A" OR "B" MOUNTING BRACKET, SEE STANDARD E-120 FOR CLEARANCES.

GUARDRAIL DEFLECTION CHART (PER AASHTO - ROADSIDE DESIGN GUIDE - 1988)		
TYPE	GR POST SPACING	DEFLECTION
THREE CABLE W/STEEL POSTS	16' - 0"	12'
W/WOODEN POSTS	12' - 6"	12'
W/WEAK POST	12' - 6"	7'
W/STRONG POST	6' - 3"	3'
BOX BEAM	6' - 0"	5'
THREE BEAM W/WEAK POST	12' - 6"	4'
W/STRONG POST	6' - 3"	2'

THIS CHART LISTS THE THEORETICAL DEFLECTION DISTANCE UPON IMPACT OF VARIOUS GUARDRAIL WITH DIFFERENT TYPES AND SPACING OF POSTS.



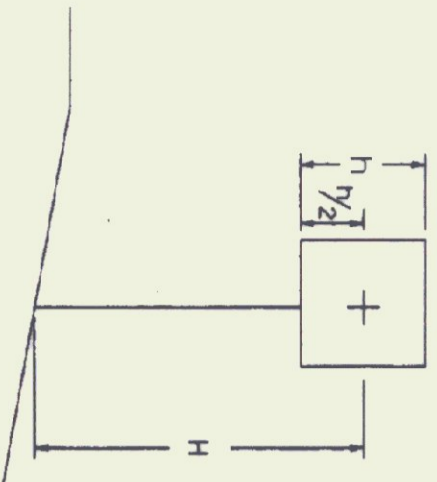
WHEN USING FLANGED CHANNEL POSTS ON STEEP SLOPES (1:1 OR STEEPER) FLANGES BEHIND GUARDRAIL, ADD 2" EMBEDMENT TO THE POSTS BEHIND GUARDRAIL. THE ASSEMBLY MORE STABILITY, HOWEVER, THE SIGN POSTS LOCATED INSIDE THE DEFLECTION DISTANCE, THE SIGN POST SHALL BE SET AT A DEPTH OF 3' - 6".

OTHER STDS. REQUIRED:

POST SELECTION CHART

SIGN AREA (FT 2) X H (FT) ≤ SV (SELECTION VALUE)		
POST SIZE	SV	DESIGN CRITERIA
2 LB/FT. (ONE POST INSTALLATION)	32	WIND SPEED = 60 MPH (10-YEAR MEAN RECURRENCE INTERVAL)
2 LB/FT. (TWO POST INSTALLATION)	62	WIND PRESSURE = 13 PSF
3 LB/FT.	107	STEEL MIN YIELD F _y = 50,000 PSI ALLOWABLE STRESS = (1.4) 0.60 F _y

SINGULAR 2 LB./FT. POSTS SHALL ONLY TO BE USED IN URBAN AREAS.



REVISIONS AND CORRECTIONS

SEP. 10, 1987 - DATE OF ORIGINAL ISSUE
MAR. 01, 1988 - FHWA REVIEW COMMENTS
OCT. 21, 1992 - ADDED DETAILS, REVISED NOTES & REVISED TITLE BLOCK
AUG. 18, 1995 - DELETION OF 2.5 "/FT. POST AND TWO- RAIL ALUMINUM, ADDED ADDITIONAL NOTE.

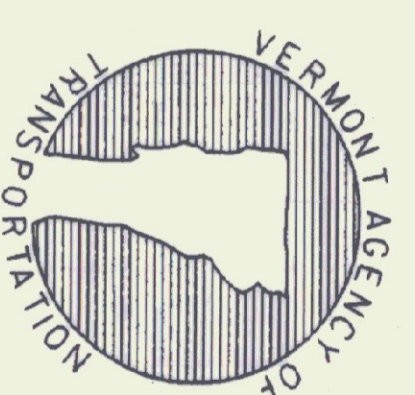
APPROVED

DIRECTOR OF ENGINEERING

TRAFFIC AND SAFETY ENGINEER

**FLANGED CHANNEL
STEEL SIGN POST**

/traf/std/std60.dgn : std60.1

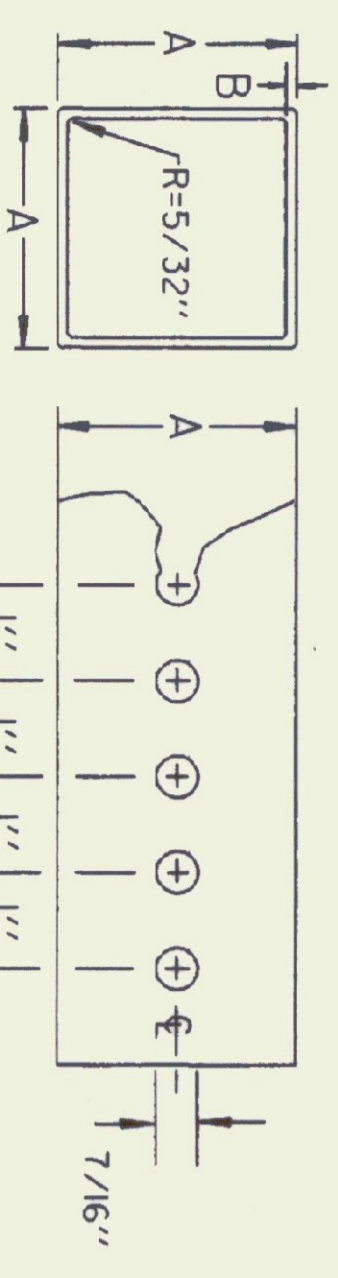


**STANDARD
E-160**

GUARDRAIL DEFLECTION CHART
(PER AASHTO - ROADSIDE DESIGN GUIDE - 1988)

TYPE	GR POST SPACING	DEFLECTION
THREE CABLE W/STEEL POSTS	16' - 0"	12"
W/WOODEN POSTS	12' - 6"	12"
W/WEAK POST	12' - 6"	7'
W/STRONG POST	6' - 3"	3'
BOX BEAM	6' - 0"	5'
THREE BEAM W/WEAK POST	12' - 6"	4'
W/STRONG POST	6' - 3"	2'

THIS CHART LISTS THE THEORETICAL DEFLECTION DISTANCE UPON IMPACT OF VARIOUS GUARDRAIL WITH DIFFERENT TYPES AND SPACING OF POSTS.



NOTE :
THE POSTS SHALL BE CAREFULLY FORMED OF STEEL WITH A MINIMUM YIELD OF 55,000 PSI, INTO A SIZE AND SHAPE WITH CORNERS INDUCTION WELDED IN SUCH A MANNER THAT NEITHER FLASH NOR WELD SHALL INTERFERE WITH THE TELESCOPING PROPERTIES, NOR DAMAGE THE GALVANIZING.
* THE WALL THICKNESS TOLERANCES SHALL BE +.005 AND -.010 FOR THE 1/2 GAUGE
THE WALL THICKNESS TOLERANCES SHALL BE +.002" AND -.008" FOR THE 1/4 GAUGE.

DIMENSION DETAILS AND POST SELECTION CHART

POST SELECTION CHART
(SIGN AREA (FT²) X H (FT) ≤ SV (SELECTION VALUE))

POST SIZE LBS./FT.	DIMENSIONS	SECTION MODULUS IN ³	ONE POST SV	TWO POST SV	THREE POST SV	NUMBER PERMITTED IN 8' PATH
2.30	1-3/4" A	.083	14	74	148	222
2.65	2" A	.083	14	95	190	286
3.35	2-1/2" A	.105	12	206	412	616

DESIGN CRITERIA:
WIND SPEED = 60 MPH (10 - YEAR MEAN RECURRENCE INTERVAL)
WIND PRESSURE = 13 PSF
STEEL MINIMUM YIELD = 55,000 PSI
ALLOWABLE STRESS = (1.4) 0.60 F_y

REVISIONS AND CORRECTIONS

APR. 27, 1994 - DATE OF ORIGINAL ISSUE
JUL. 21, 1994 - REVISED POST GAUGES
AUG. 18, 1995 - ADDED TWO PIECE ANCHOR DETAIL

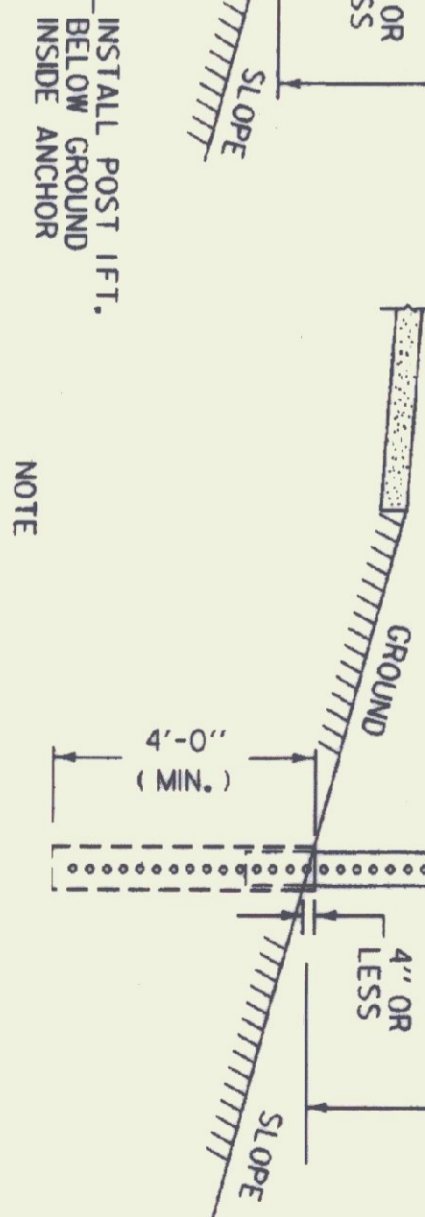
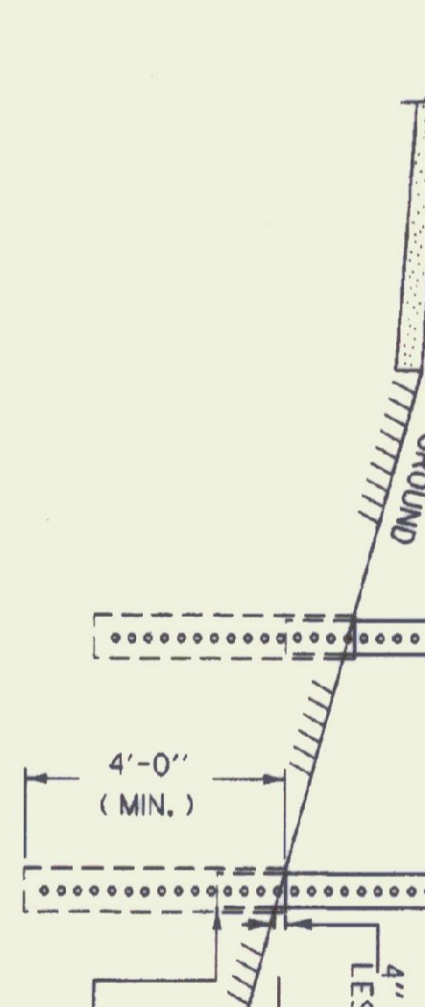
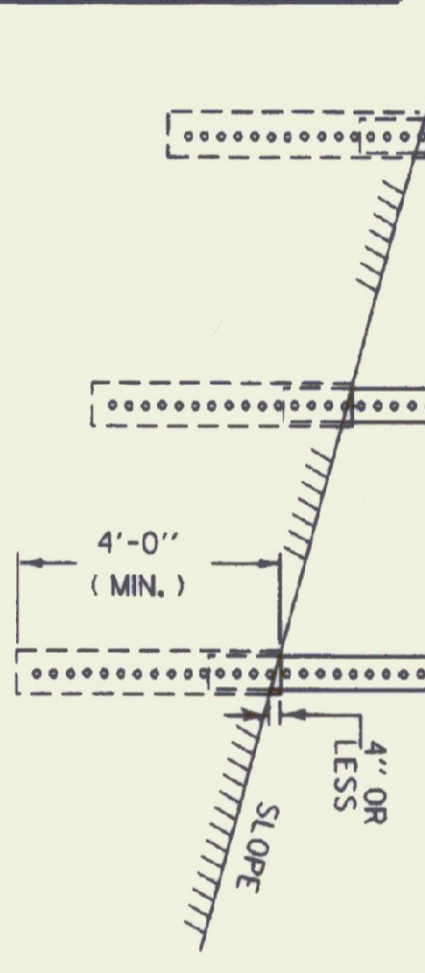
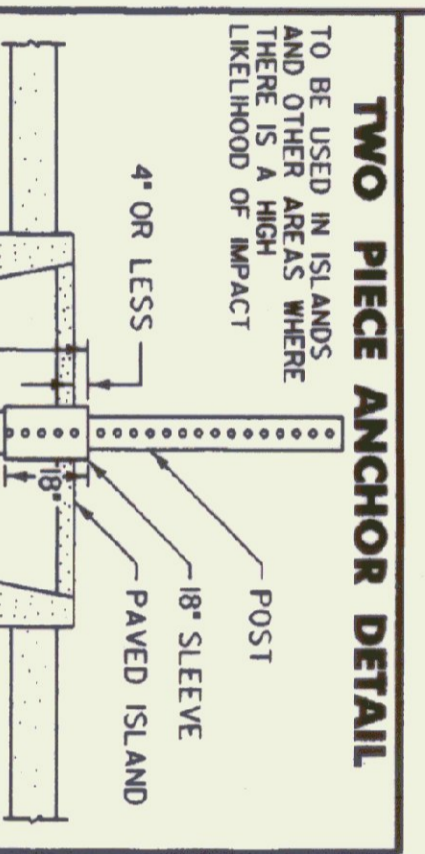
APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FINAL APPROVAL PENDING.

Signature of Traffic and Safety Engineer
DIRECTOR OF ENGINEERING
TRAFFIC AND SAFETY ENGINEER

APPROVED

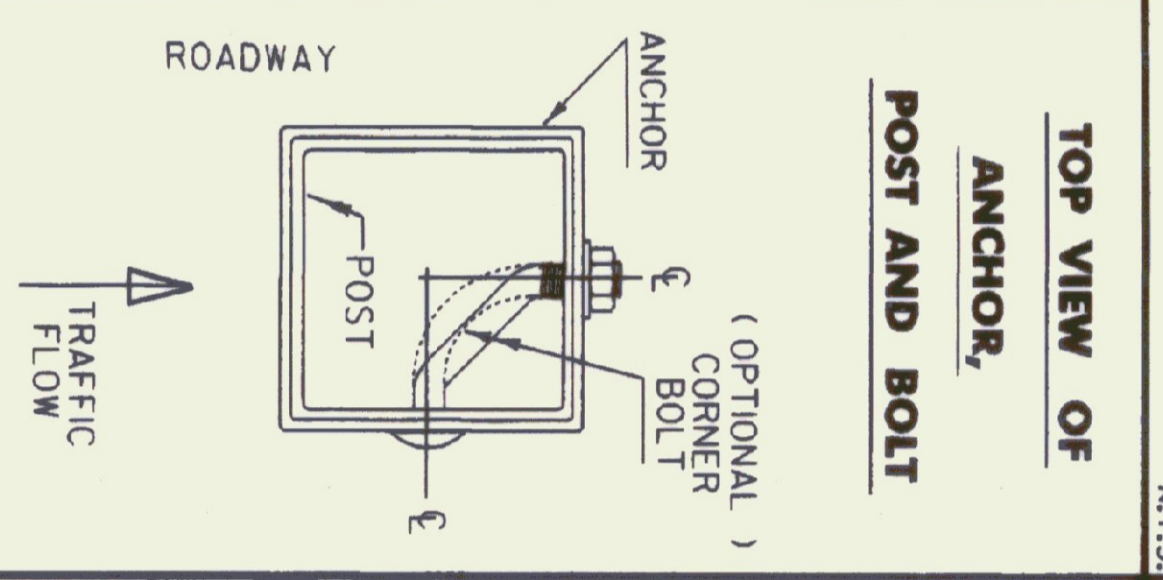
MULTI-POST INSTALLATIONS

* - IF THE DIMENSION 2L/6 IS LESS THAN 4'-0" ASSEMBLY USING POSTS OF 2" OR LESS SHALL BE USED BEHIND GUARDRAIL AT A DISTANCE GREATER THAN THE DEFLECTION DISTANCE. (SEE CHART)
WHEN USING 2-1/2" POSTS, THE DIMENSION, 2L/6 * MUST BE GREATER THAN 8'-4 1/2" OR BE INSTALLED BEHIND GUARDRAIL

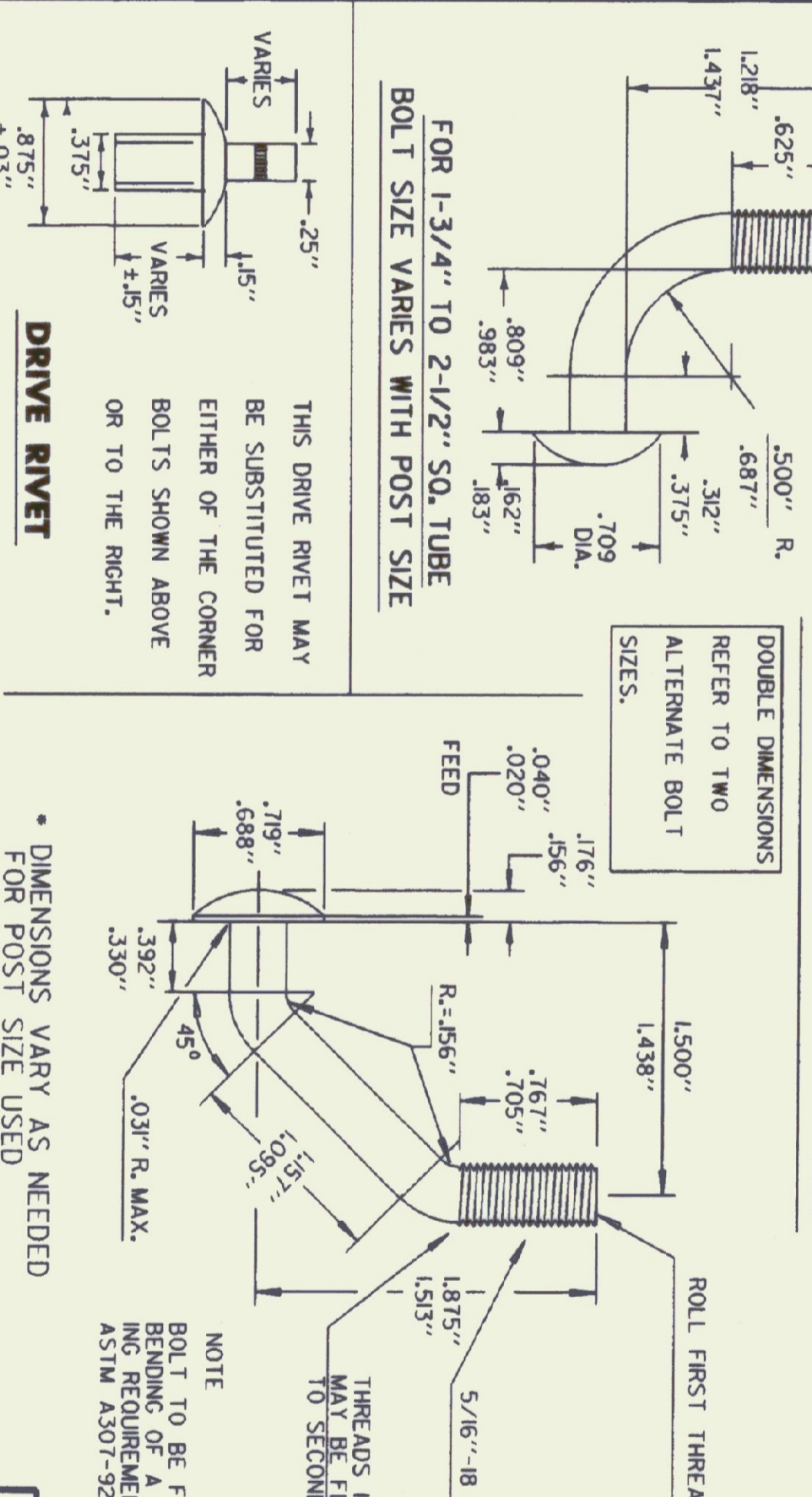


GENERAL NOTES
CONSTRUCTION METHODS - POSTS MAY BE DRIVEN OR SET IN A DUG HOLE AND BACKFILLED. IF DRIVEN, A DRIVING CAP SHALL BE USED. THE DUG HOLE INSTALLATION SHALL BE USED IN AREAS OF POOR SOIL CONDITIONS OR AS DIRECTED BY THE RESIDENT ENGINEER. BACKFILL SHALL BE COMPACTED AS DIRECTED BY THE RESIDENT ENGINEER.
SIGN CLEARANCES - HORIZONTAL AND VERTICAL SIGN CLEARANCES SHALL BE SHOWN ON THE PLANS OR THE APPROPRIATE STD. SHEETS. SINGLE POST INSTALLATIONS SHALL BE LIMITED TO A SIGN AREA OF 20 SQ. FT. OR LESS

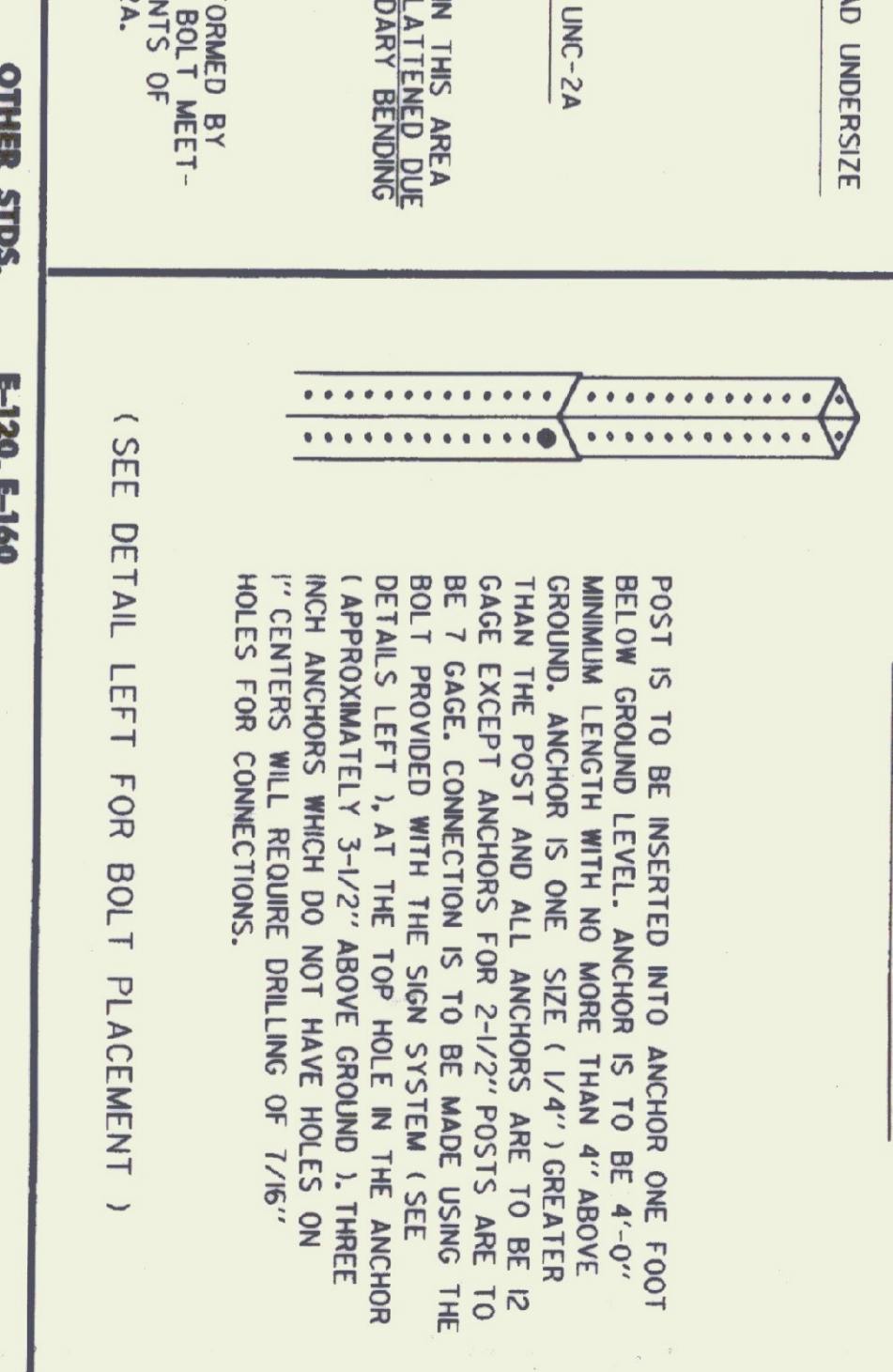
TOP VIEW OF ANCHOR, POST AND BOLT



OPTIONAL CORNER BOLT DETAILS

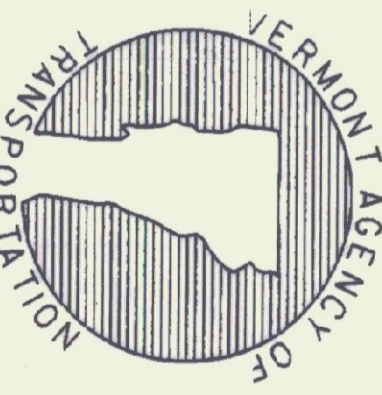


CONNECTION DETAIL



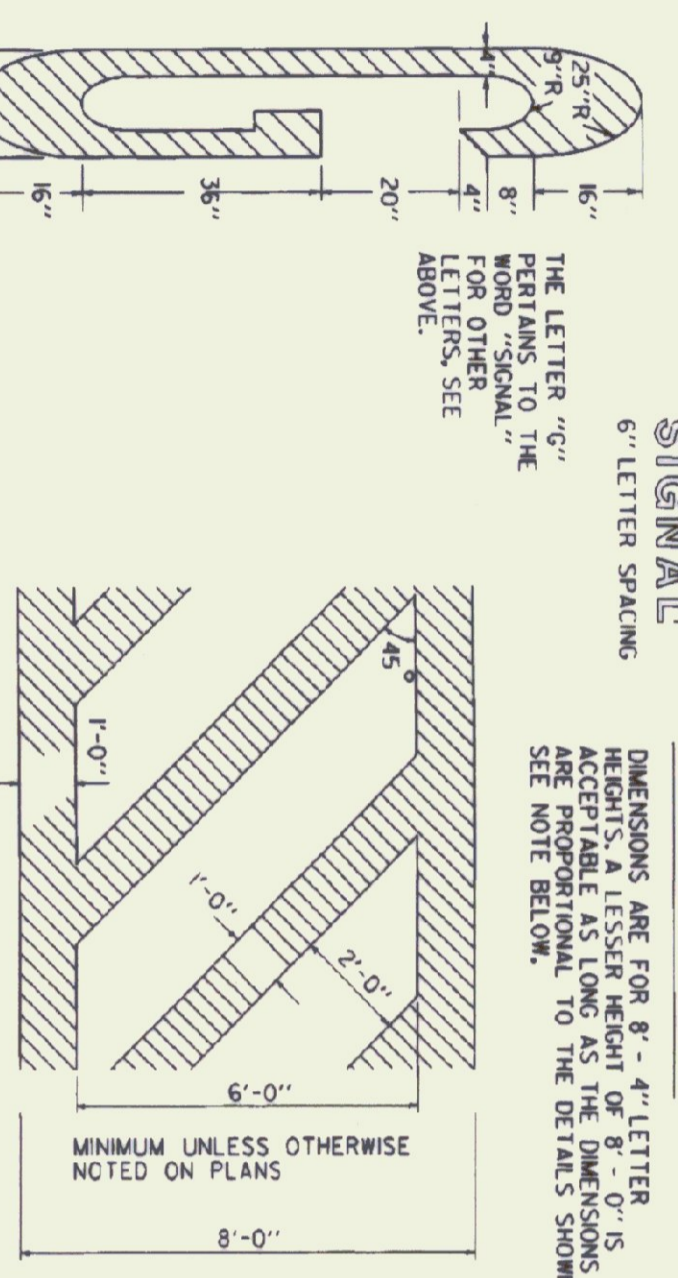
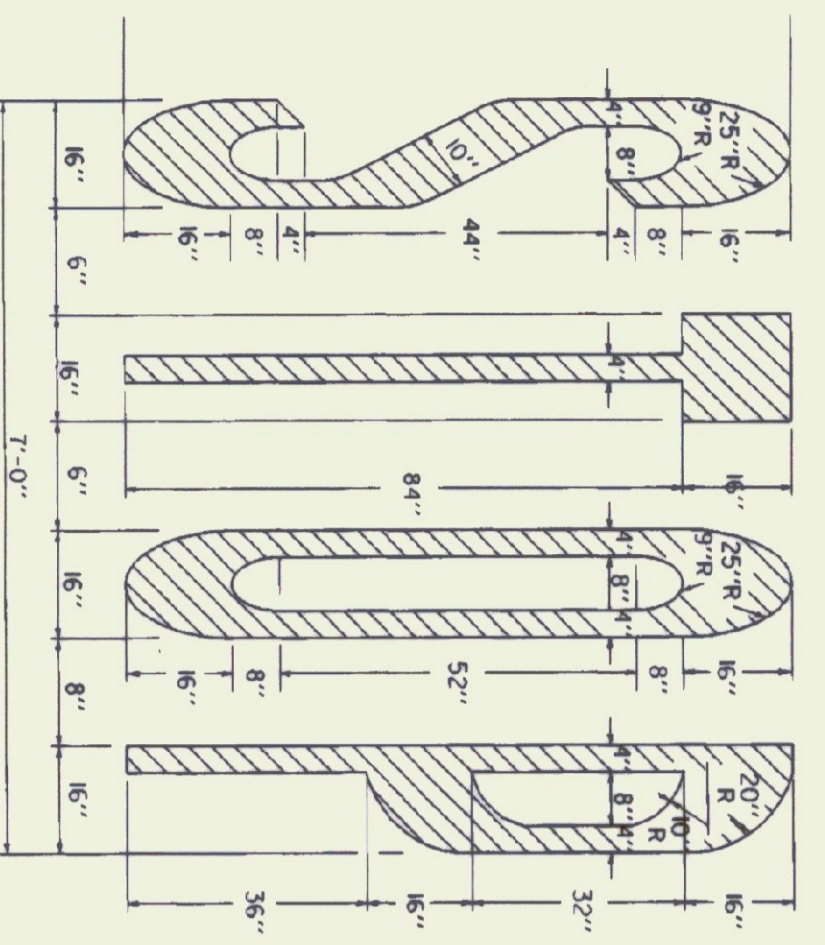
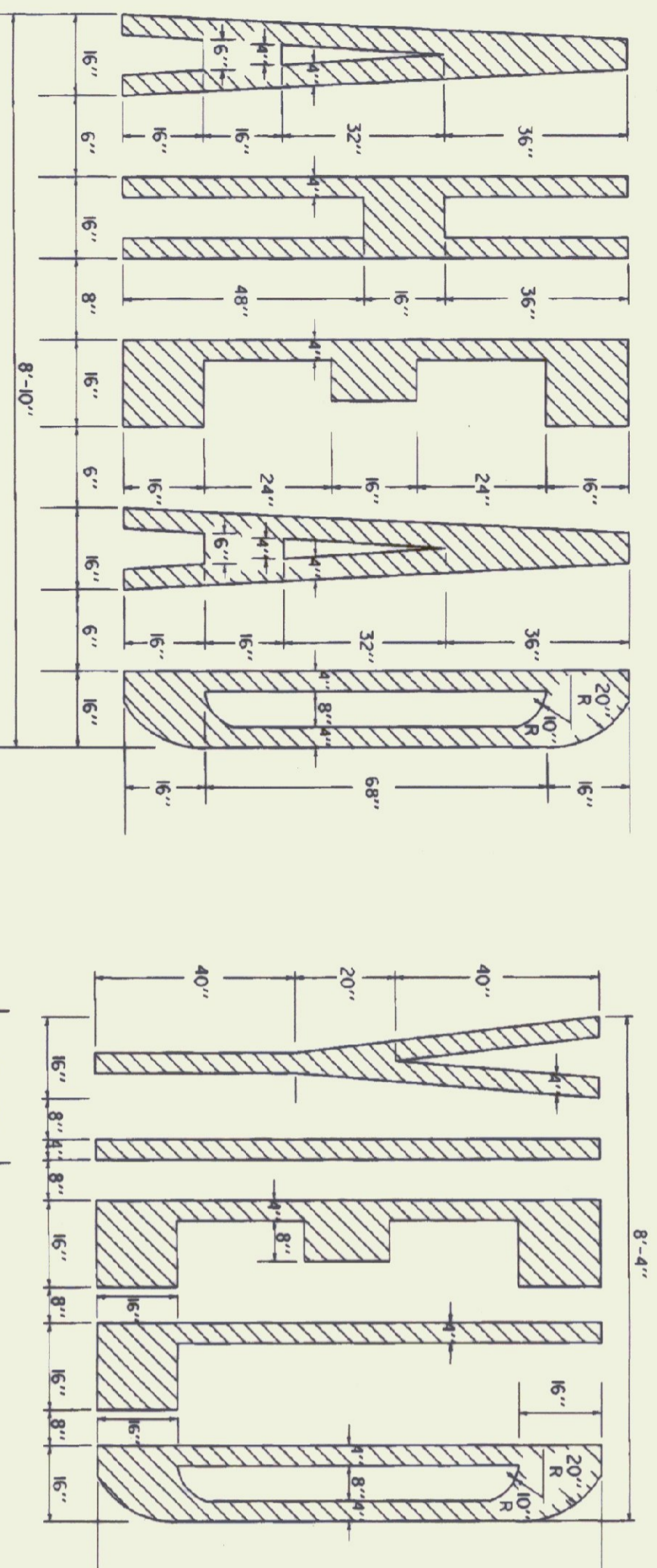
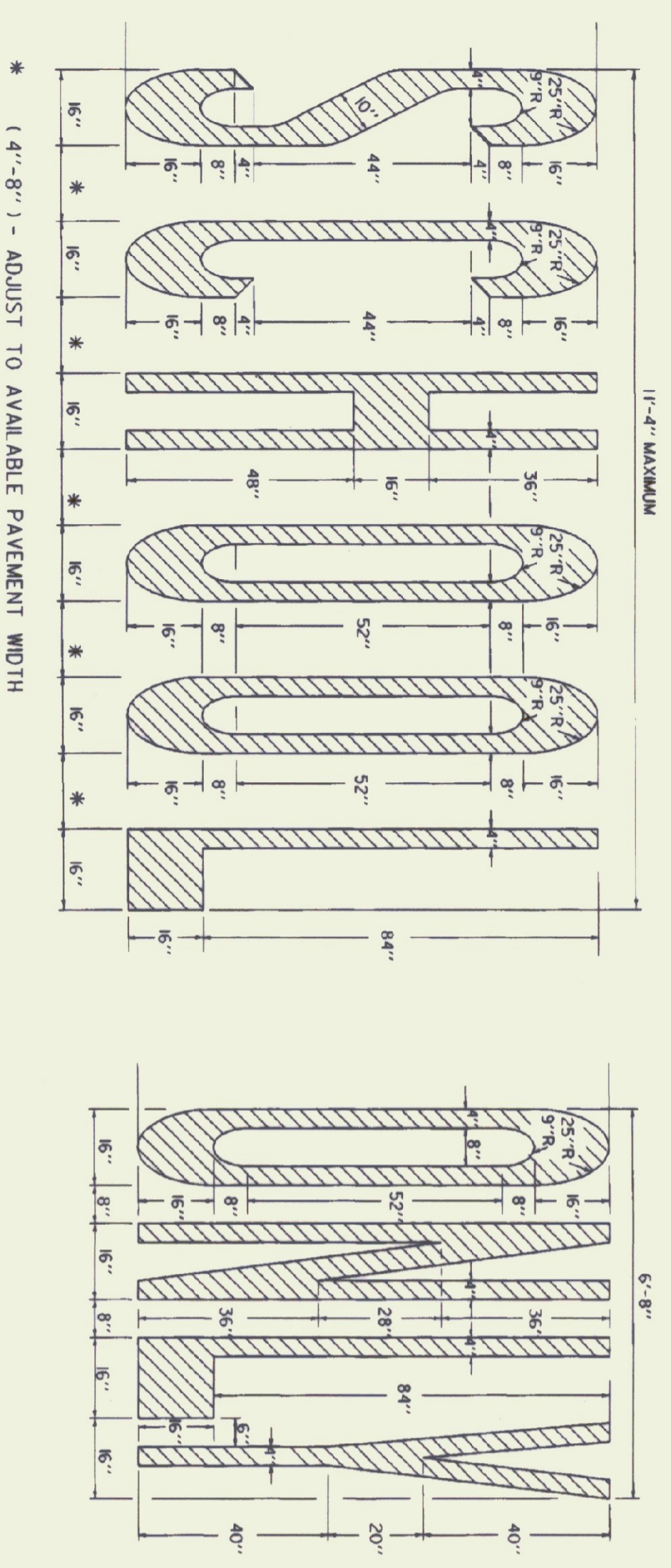
PRELIMINARY SQUARE STEEL SIGN POST

SQUARE STEEL SIGN POST



STANDARD E-164

VT-07/std/std64.dgn/std64.1



ARROWS AND WORD MARKINGS THAT CONFORM TO THE DIMENSIONS AND SPACING OF THE STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION) PREPARED BY THE FEDERAL HIGHWAY ADMINISTRATION WILL BE ACCEPTABLE.

LETTER IN WORD MARKING AND CROSSWALK DETAILS

REVISIONS AND CORRECTIONS

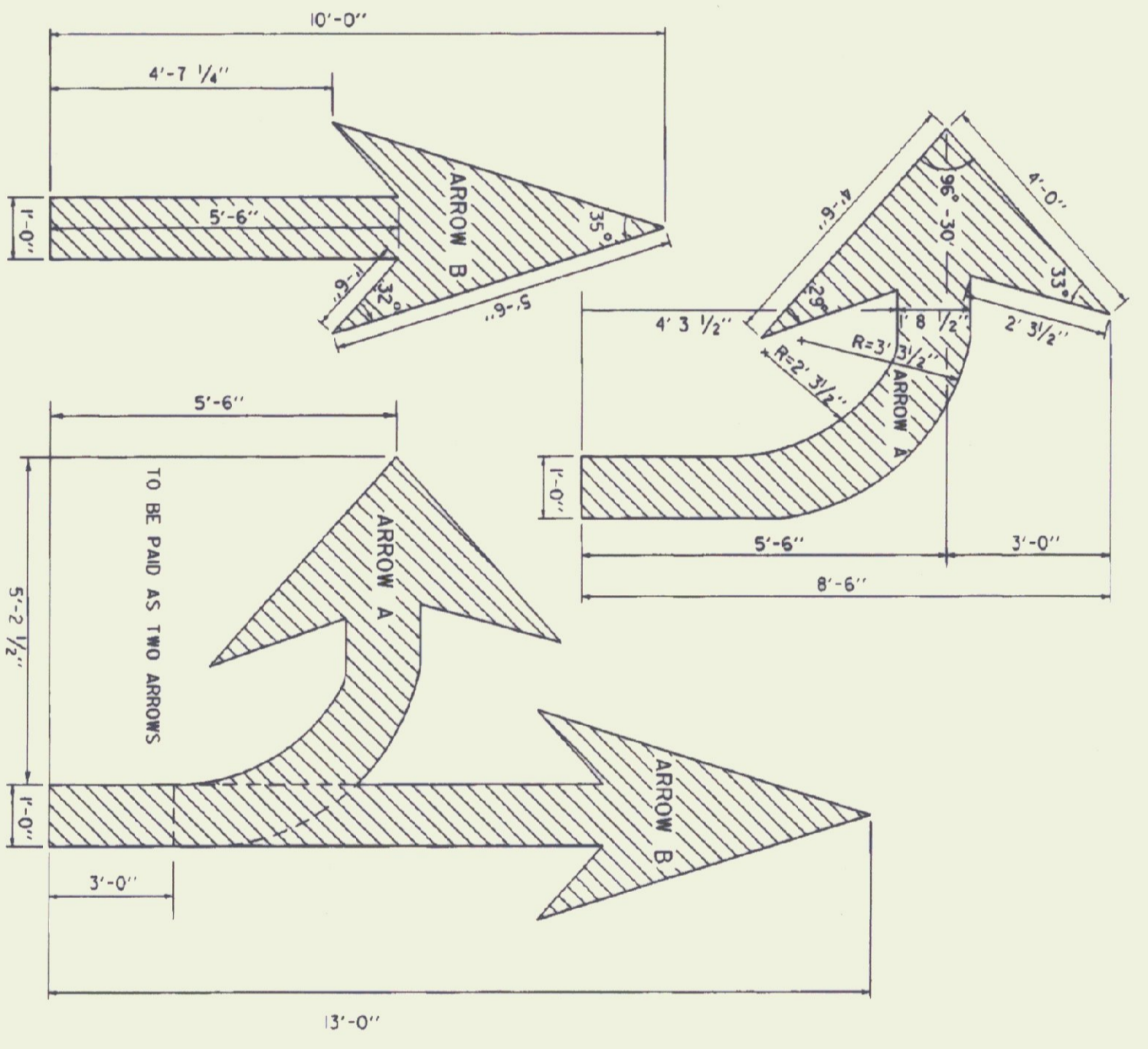
SEPT. 10, 1987 - DATE OF ORIGINAL ISSUE
JAN. 23, 1989 - ADDED DOTTED LINES, "SIGNAL"
AUG. 18, 1995 - MISC. NOTE CHANGES
DIMENSIONS, CLARIFIED LETTER HEIGHT.

APPROVED

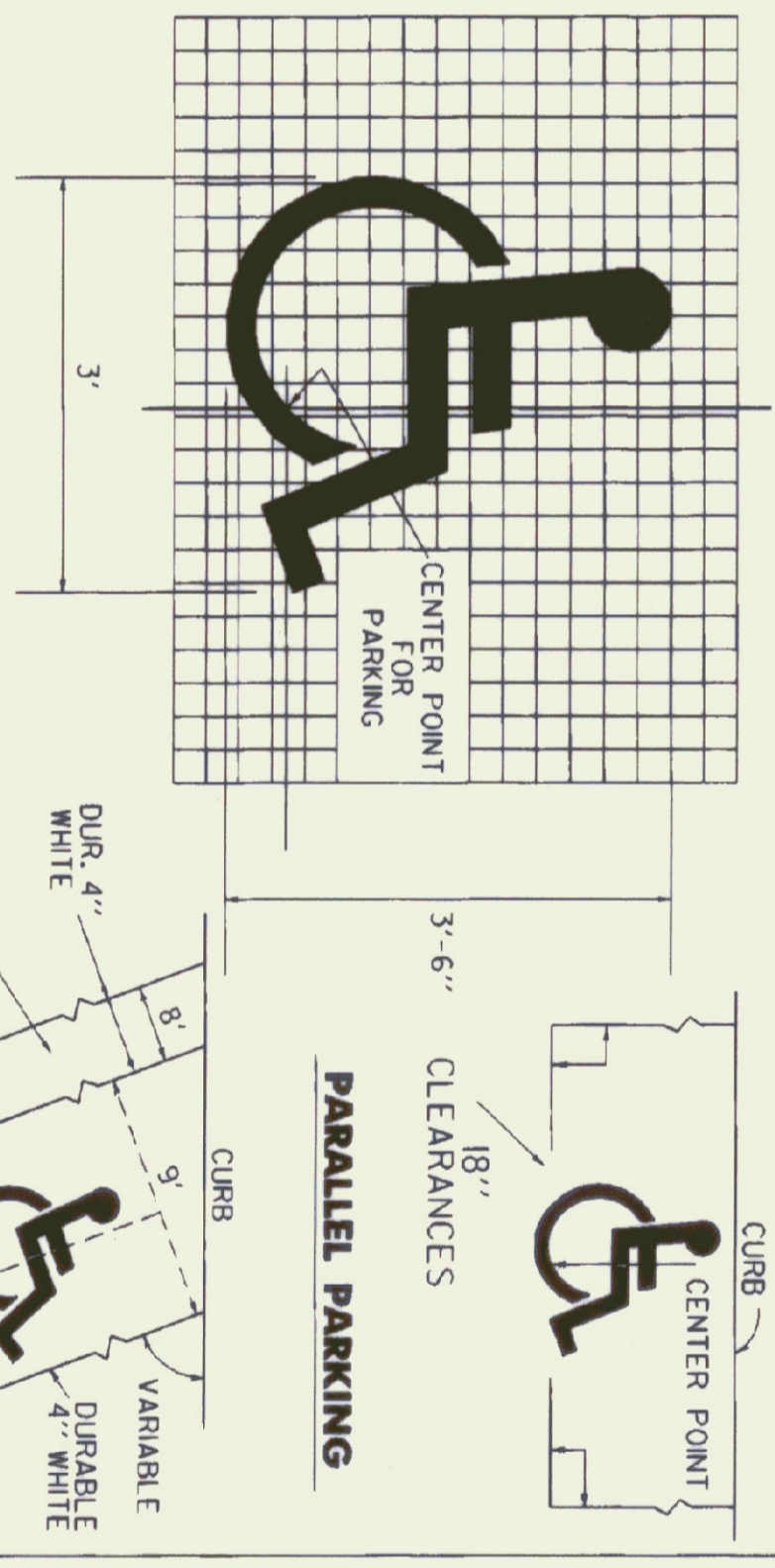
Signature of Traffic and Safety Engineer
DIRECTOR OF ENGINEERING
TRAFFIC AND SAFETY ENGINEER

PAVEMENT MARKING

DETAILS

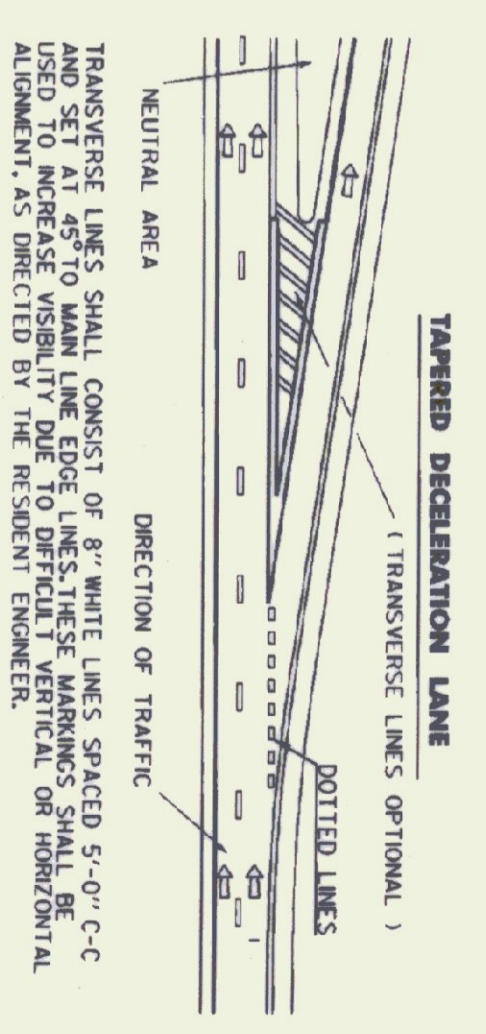
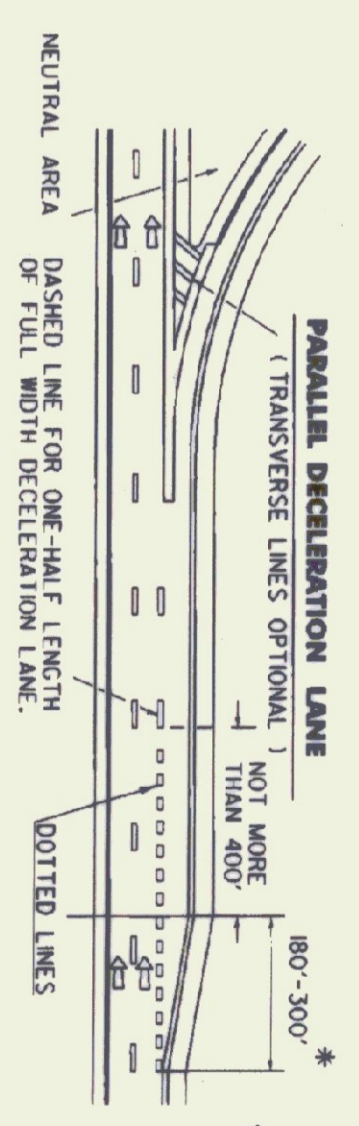
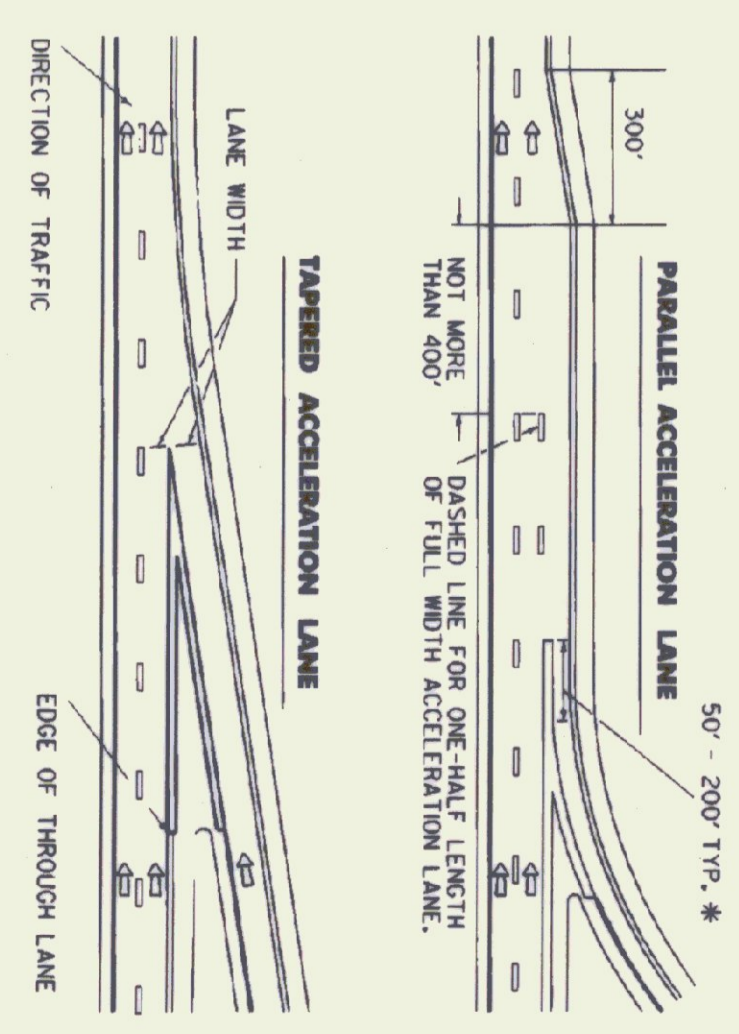


ARROW DETAILS

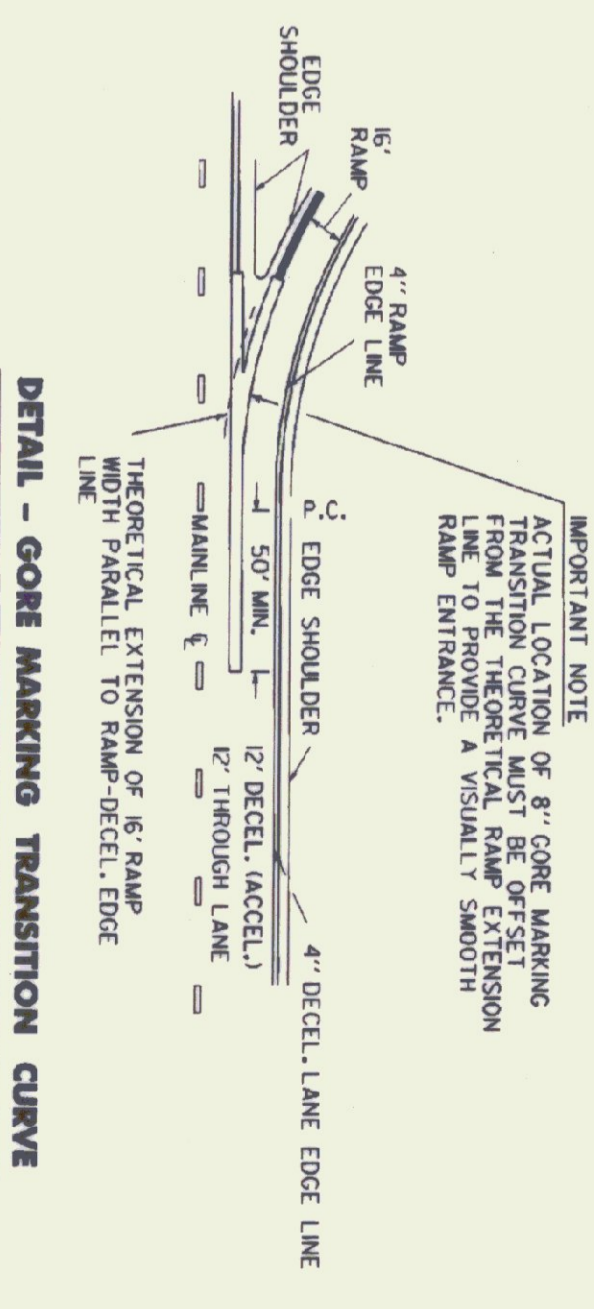


HANDICAPPED PAVEMENT MARKING DETAILS

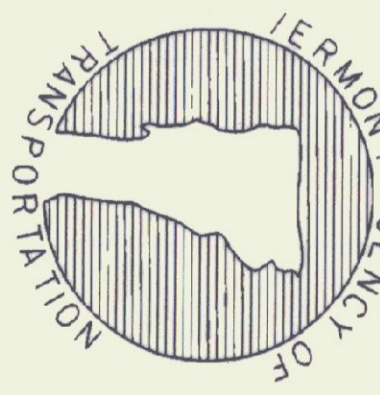
THIS SHEET IS NOT TO SCALE



- LEGEND**
- 4" WHITE LINES
 - 4" YELLOW LINES
 - 8" CHANNELIZATION WHITE LINES
 - 4" WHITE DOTTED LINES (2" SOLID - 4" GAP)
 - DIRECTION OF TRAFFIC FLOW

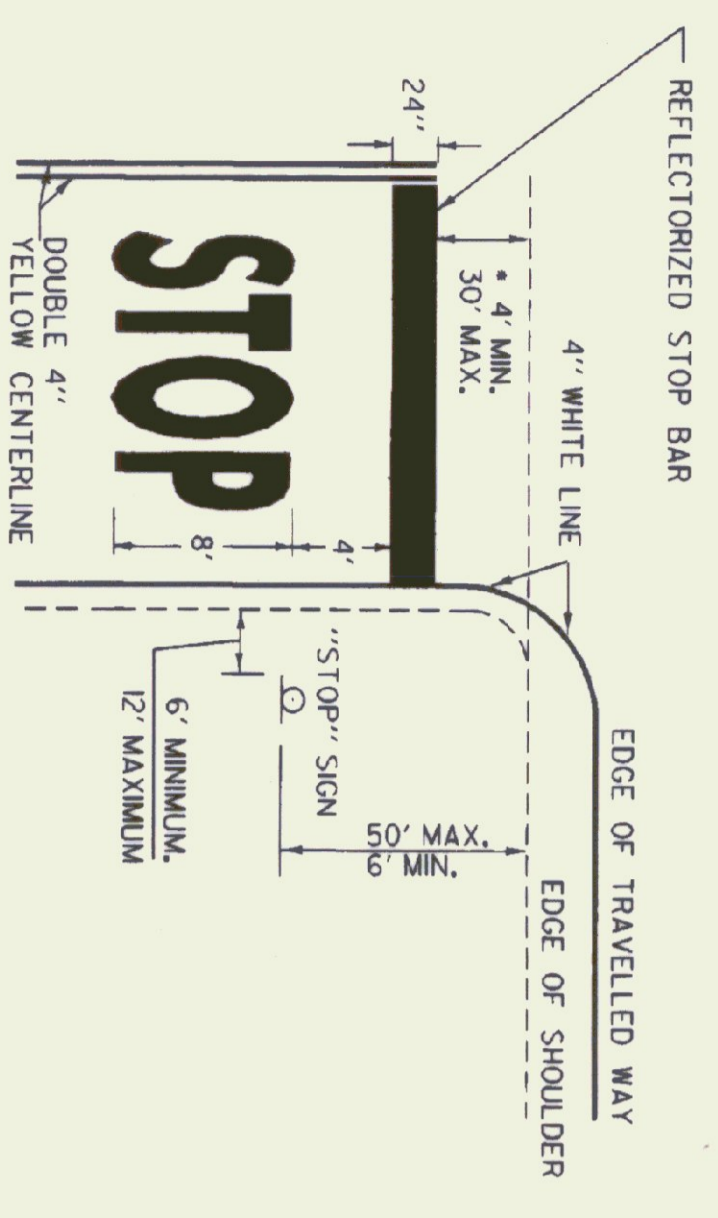


OTHER STDS. REQUIRED



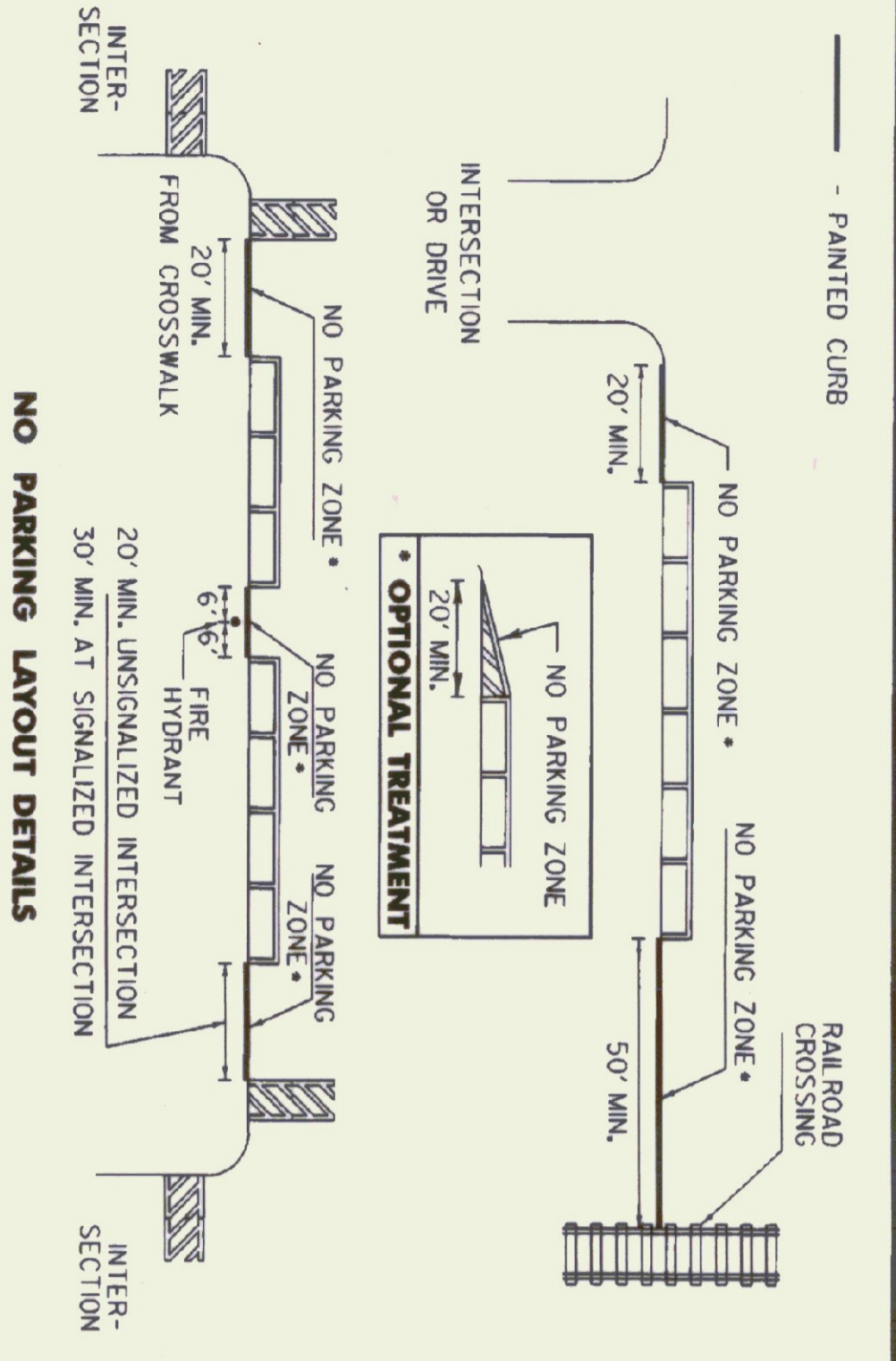
STANDARD
E-191

/t/cdf/std/standard/dgm/std@91.1

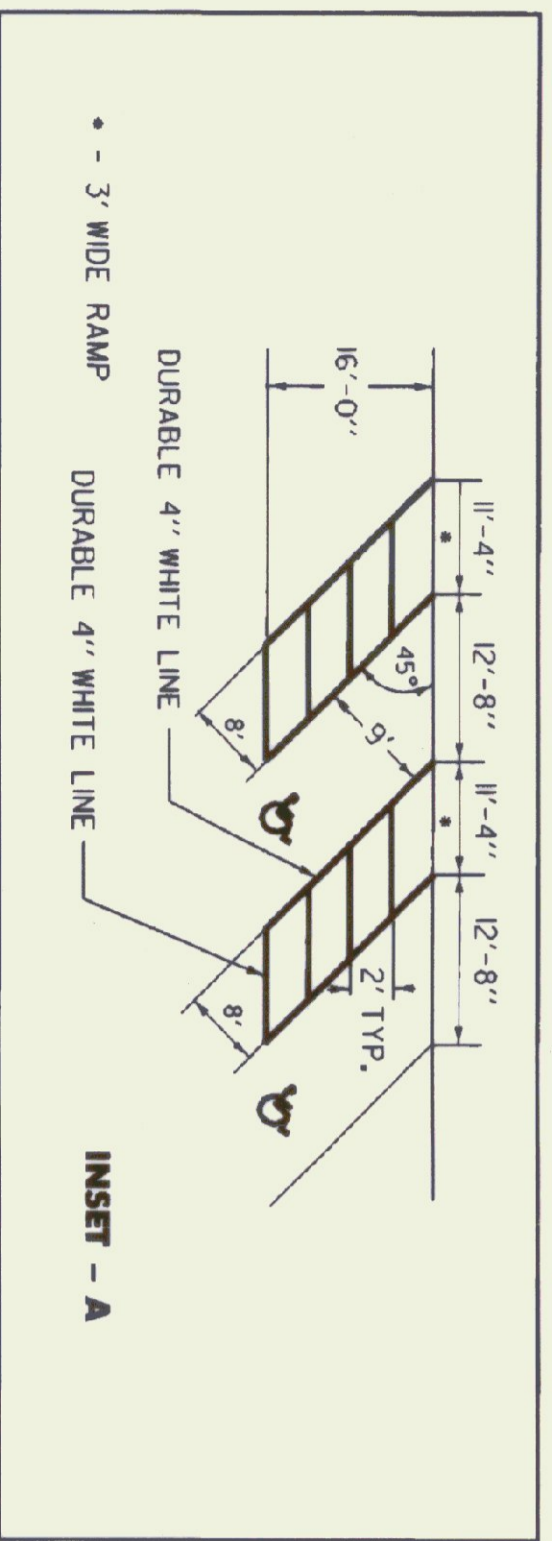


• THE "DESIRED STOPPING POINT" IS THE LOCATION BASED ON SITE CONDITIONS THAT BEST ALLOWS THE STOPPED VEHICLE TO VIEW THE APPROACHING TRAFFIC.

STOP BAR LAYOUT



NO PARKING LAYOUT DETAILS



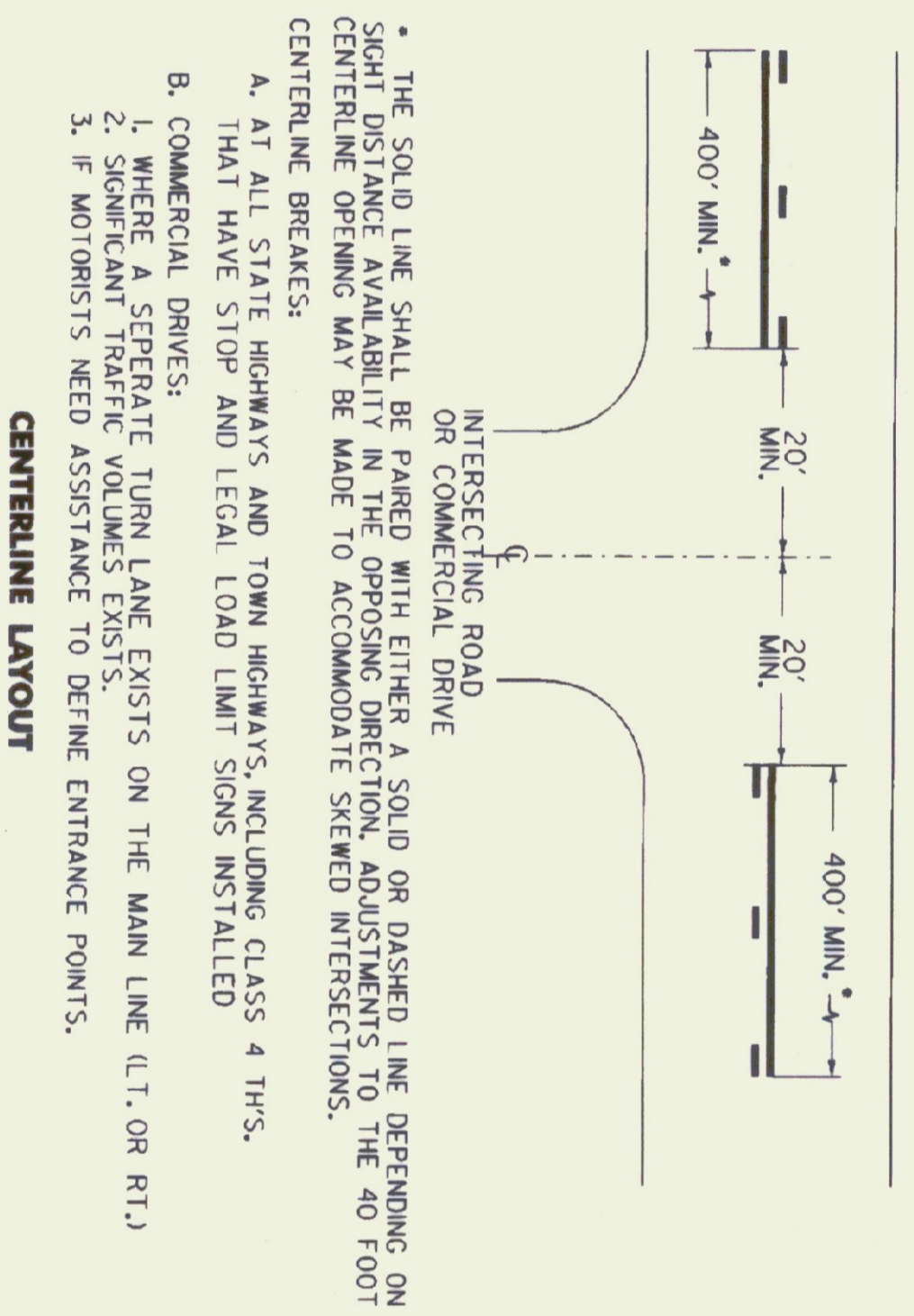
INSET - A

NOTE:
SEE STANDARD SHEET E-19 FOR
HANDICAP SYMBOL POSITIONING AND DETAIL.

REVISIONS AND CORRECTIONS
AUG. 18, 1995 - DATE OF ORIGINAL ISSUE

APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION,
FHWA FINAL APPROVAL PENDING.

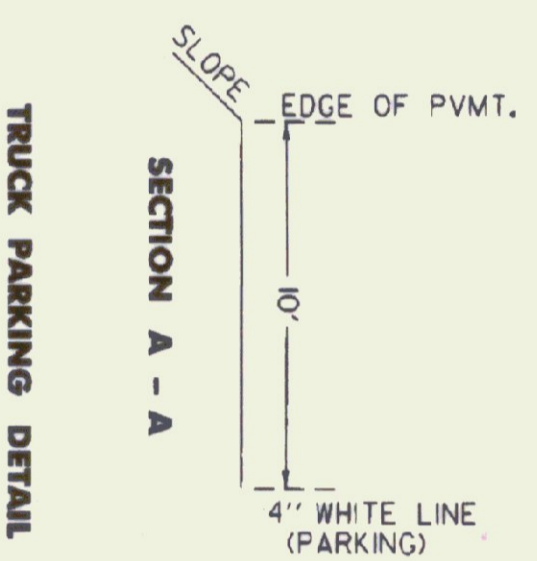
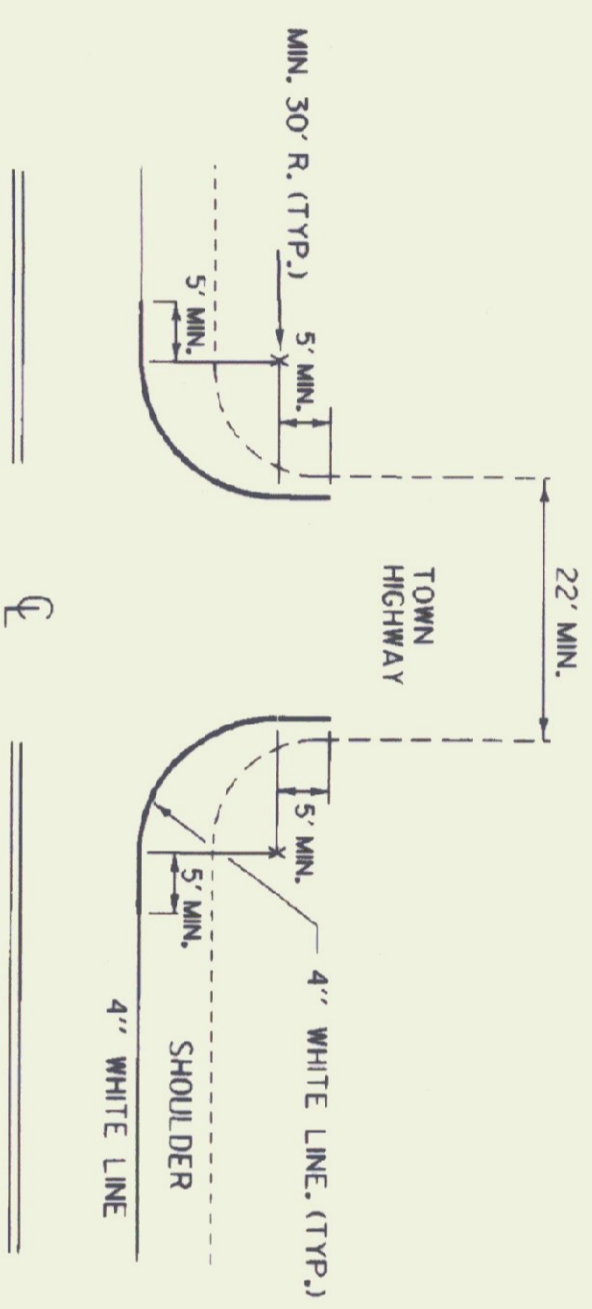
APPROVED
David A. Ryan
DIRECTOR OF ENGINEERING
TRAFFIC AND SAFETY ENGINEER



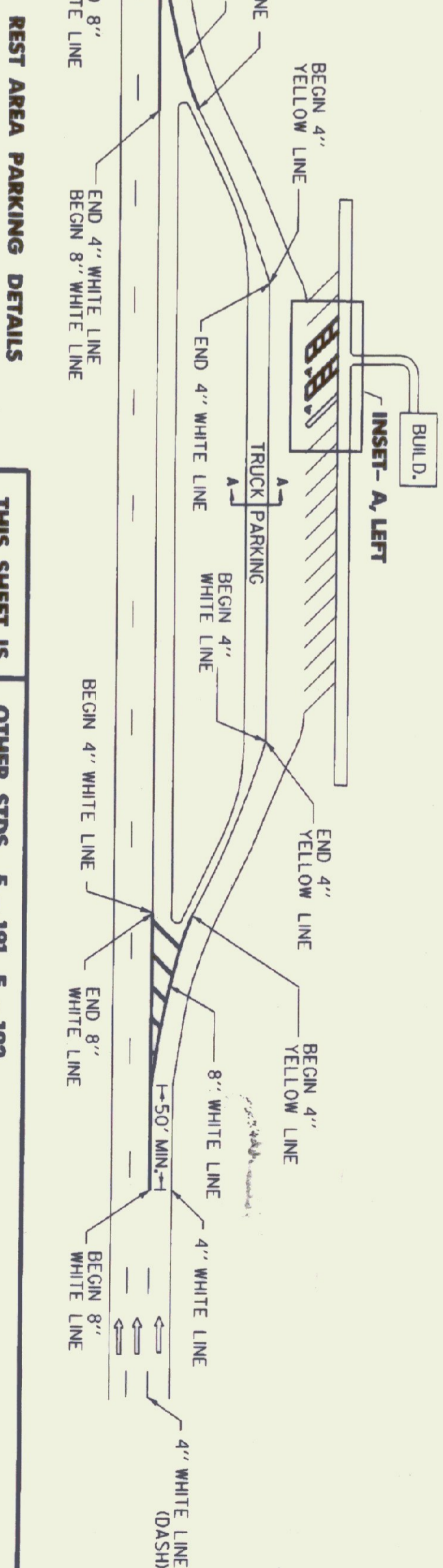
CENTERLINE LAYOUT

• THE SOLID LINE SHALL BE PAIRED WITH EITHER A SOLID OR DASHED LINE DEPENDING ON SIGHT DISTANCE AVAILABILITY IN THE OPPOSING DIRECTION, ADJUSTMENTS TO THE 40 FOOT CENTERLINE OPENING MAY BE MADE TO ACCOMMODATE SKEWED INTERSECTIONS.
CENTERLINE BREAKS:
A. AT ALL STATE HIGHWAYS AND TOWN HIGHWAYS, INCLUDING CLASS 4 TH'S, THAT HAVE STOP AND LEGAL LOAD LIMIT SIGNS INSTALLED
B. COMMERCIAL DRIVES:
1. WHERE A SEPARATE TURN LANE EXISTS ON THE MAIN LINE (L.T. OR RT.)
2. SIGNIFICANT TRAFFIC VOLUMES EXISTS,
3. IF MOTORISTS NEED ASSISTANCE TO DEFINE ENTRANCE POINTS.

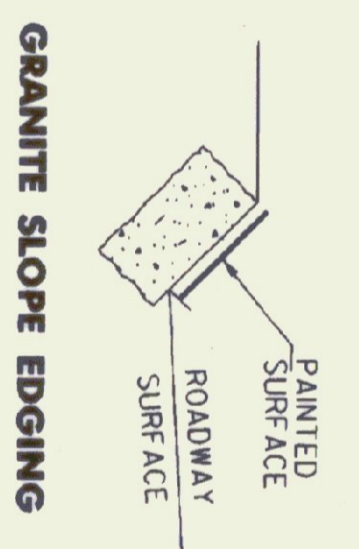
EDGE LINE LAYOUTS



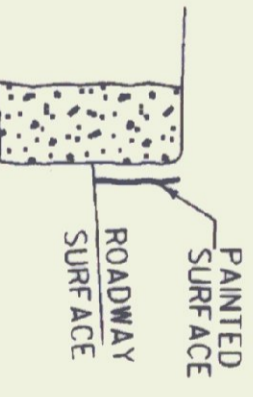
TRUCK PARKING DETAIL



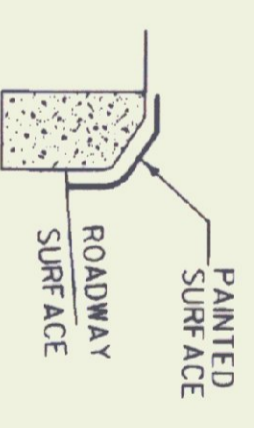
REST AREA PARKING DETAILS



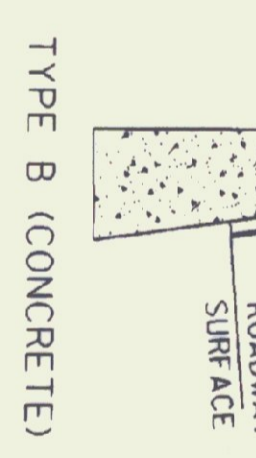
GRANITE SLOPE EDGING



VERTICAL GRANITE CURB

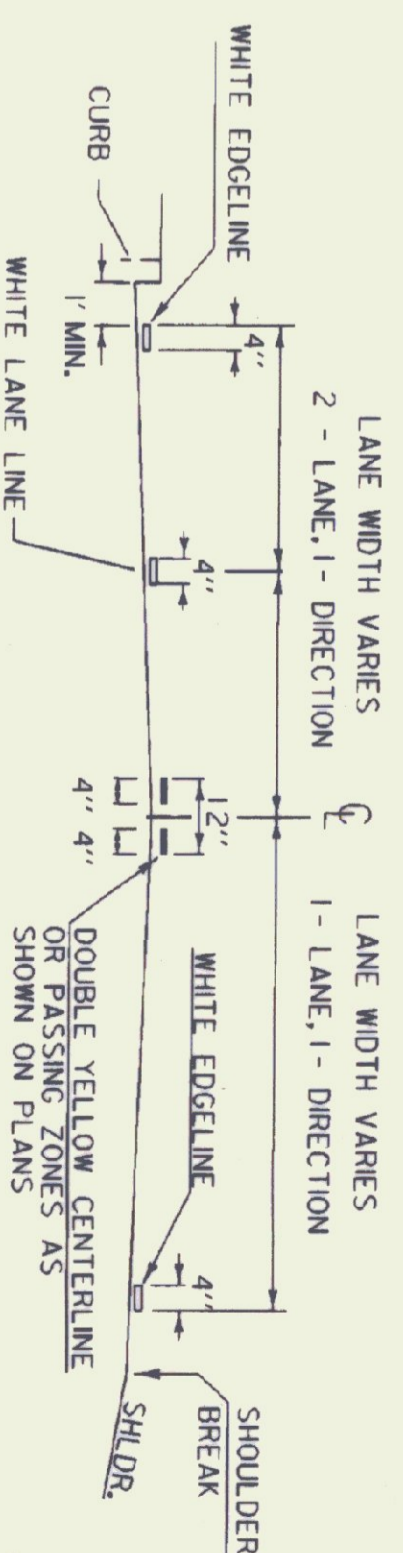


TYPE A (CONCRETE)

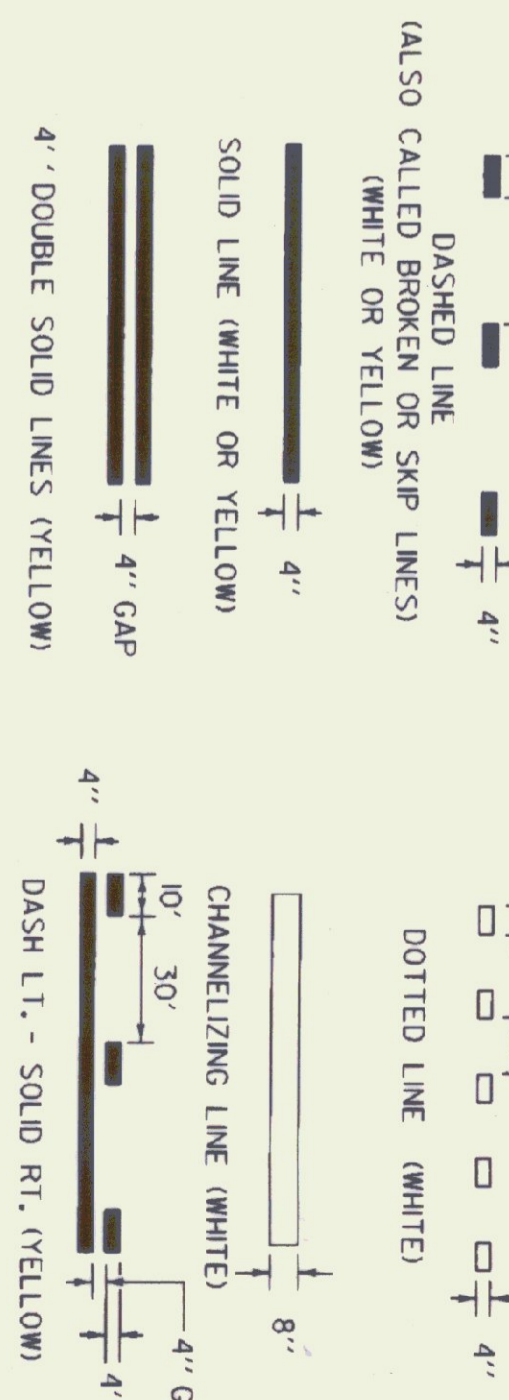


TYPE B (CONCRETE)

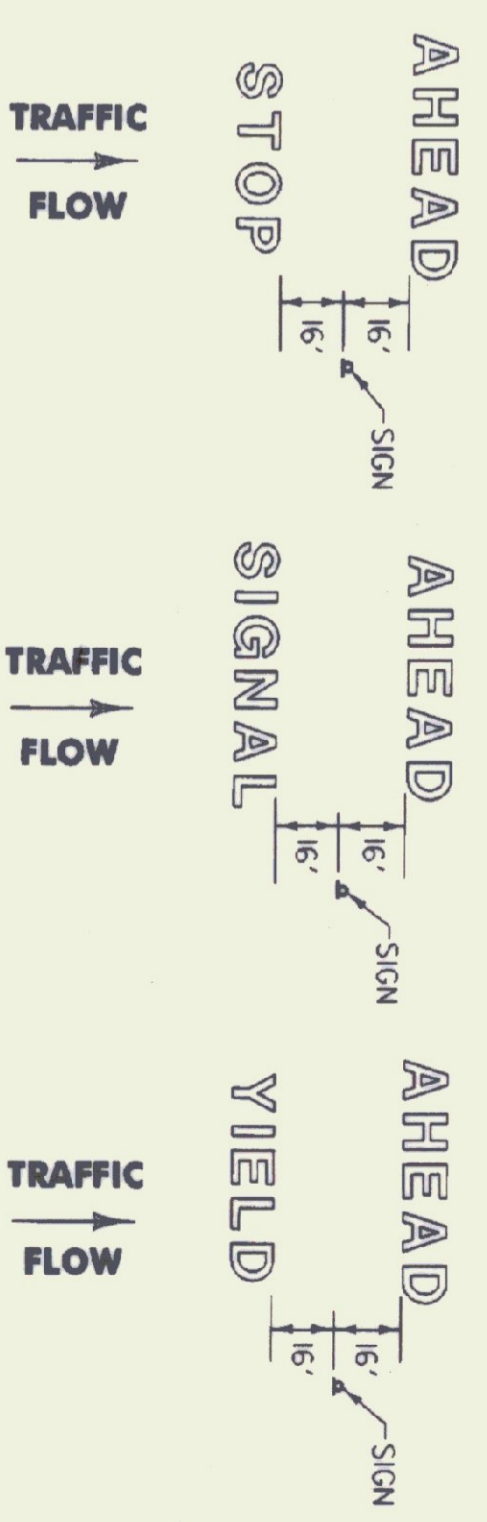
PAINTED CURB



PAVEMENT MARKING PLACEMENT DETAIL



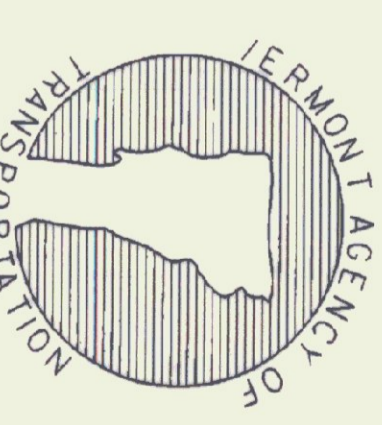
PAVEMENT MARKING LINE DETAILS



NOTE: SINGLE WORDS CENTERED ON SIGN
LETTER IN WORD MARKING SPACING DETAIL
TRAFFIC FLOW

PAVEMENT MARKING DETAILS

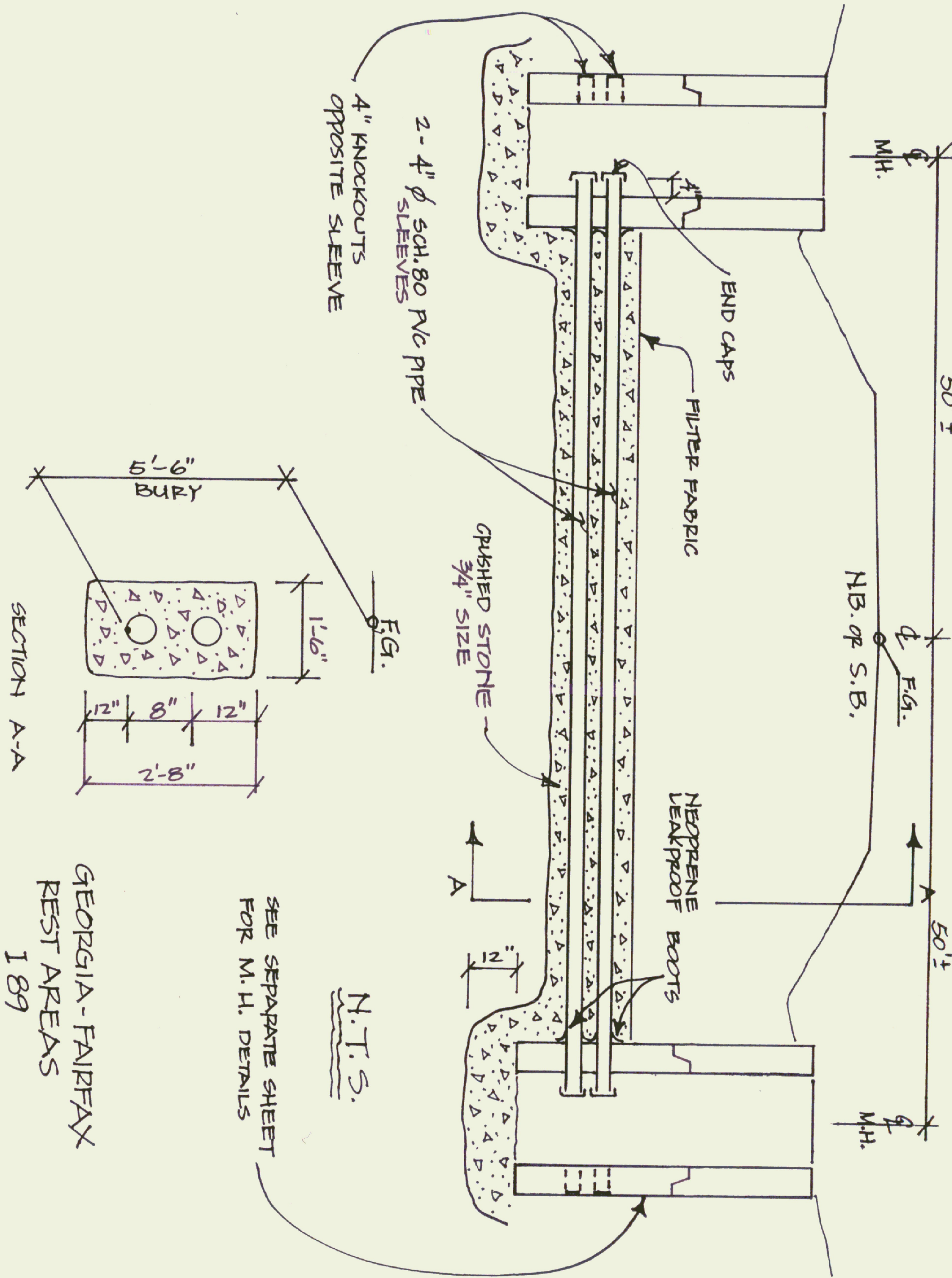
STANDARD
E-193



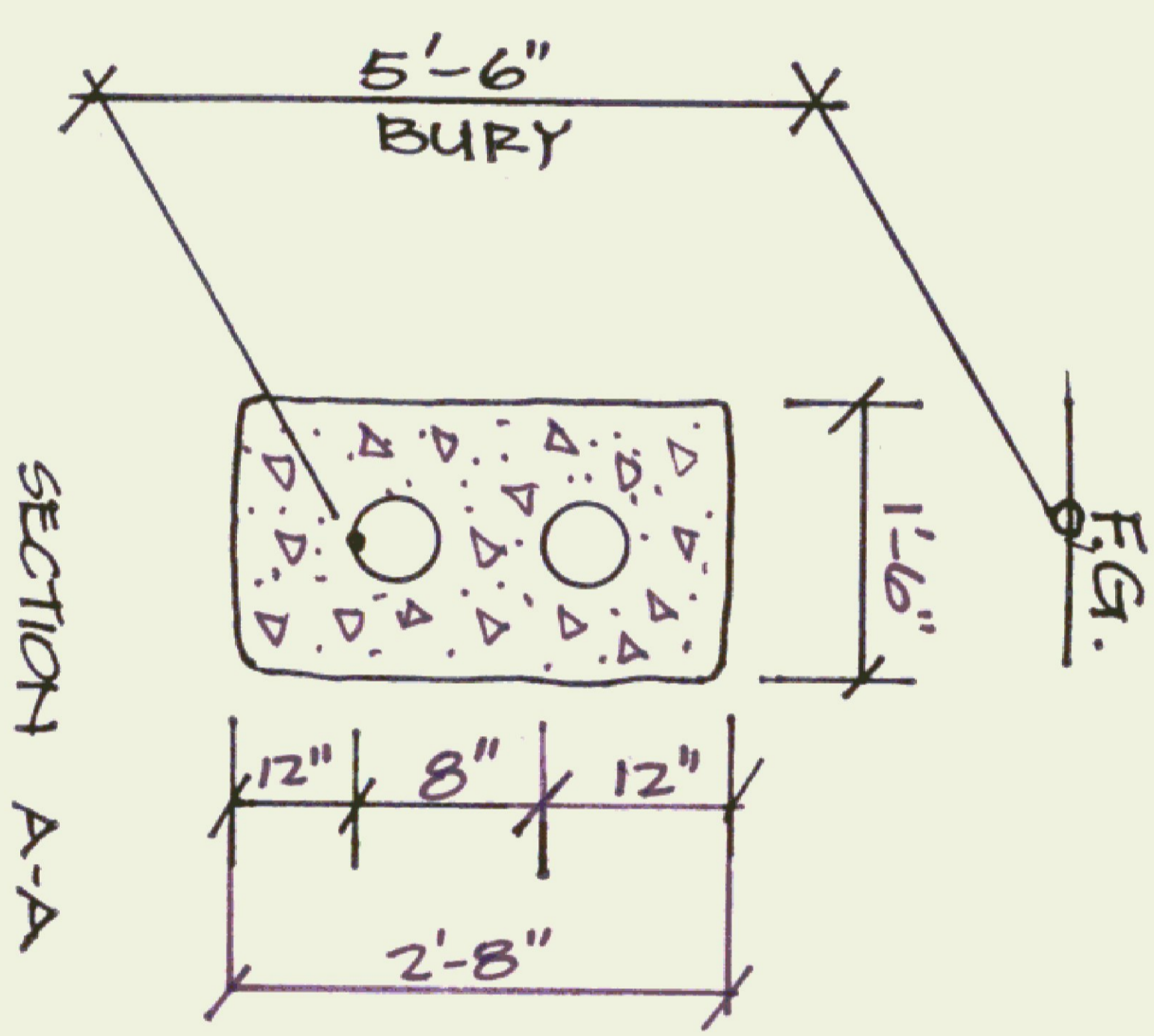
THIS SHEET IS
NOT TO SCALE

OTHER STDS. E - 191, E - 192
REQUIRED

1/rt-df/std/std93.dgn/std93.1



2 - 4" ϕ SCH. 80 PVC PIPE SLEEVES
 4" KNOCKOUTS OPPOSITE SLEEVE

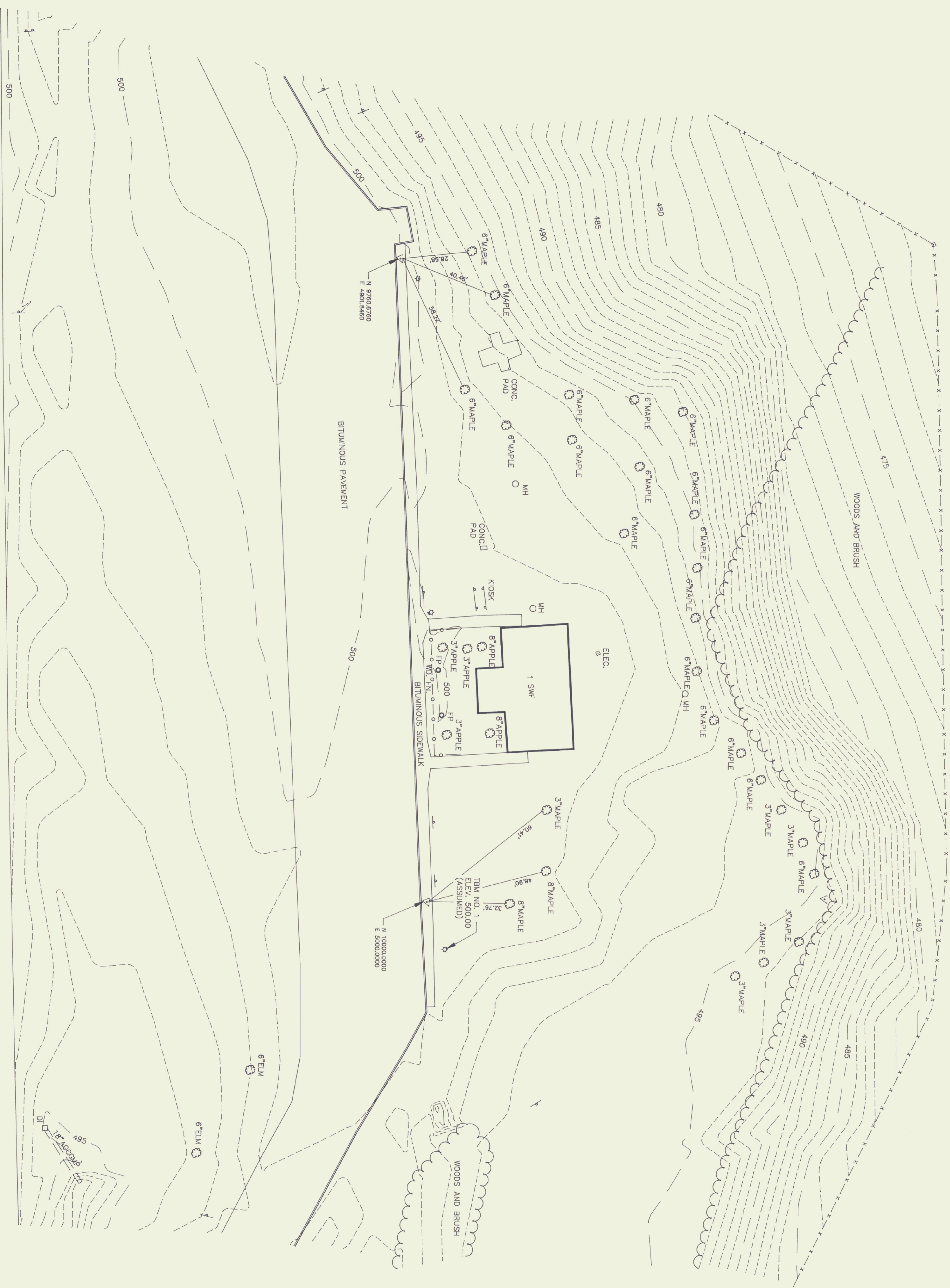


SECTION A-A

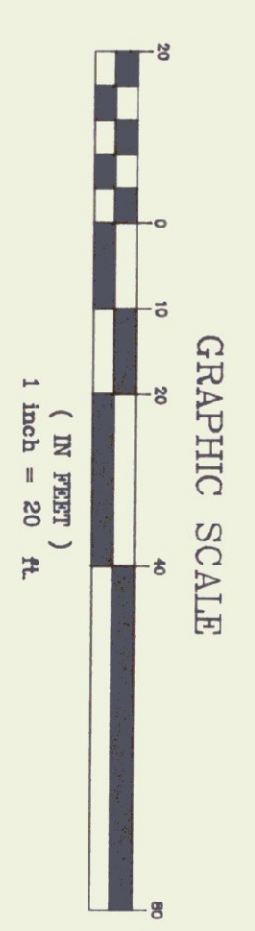
N.T.S.

SEE SEPARATE SHEET FOR M.H. DETAILS

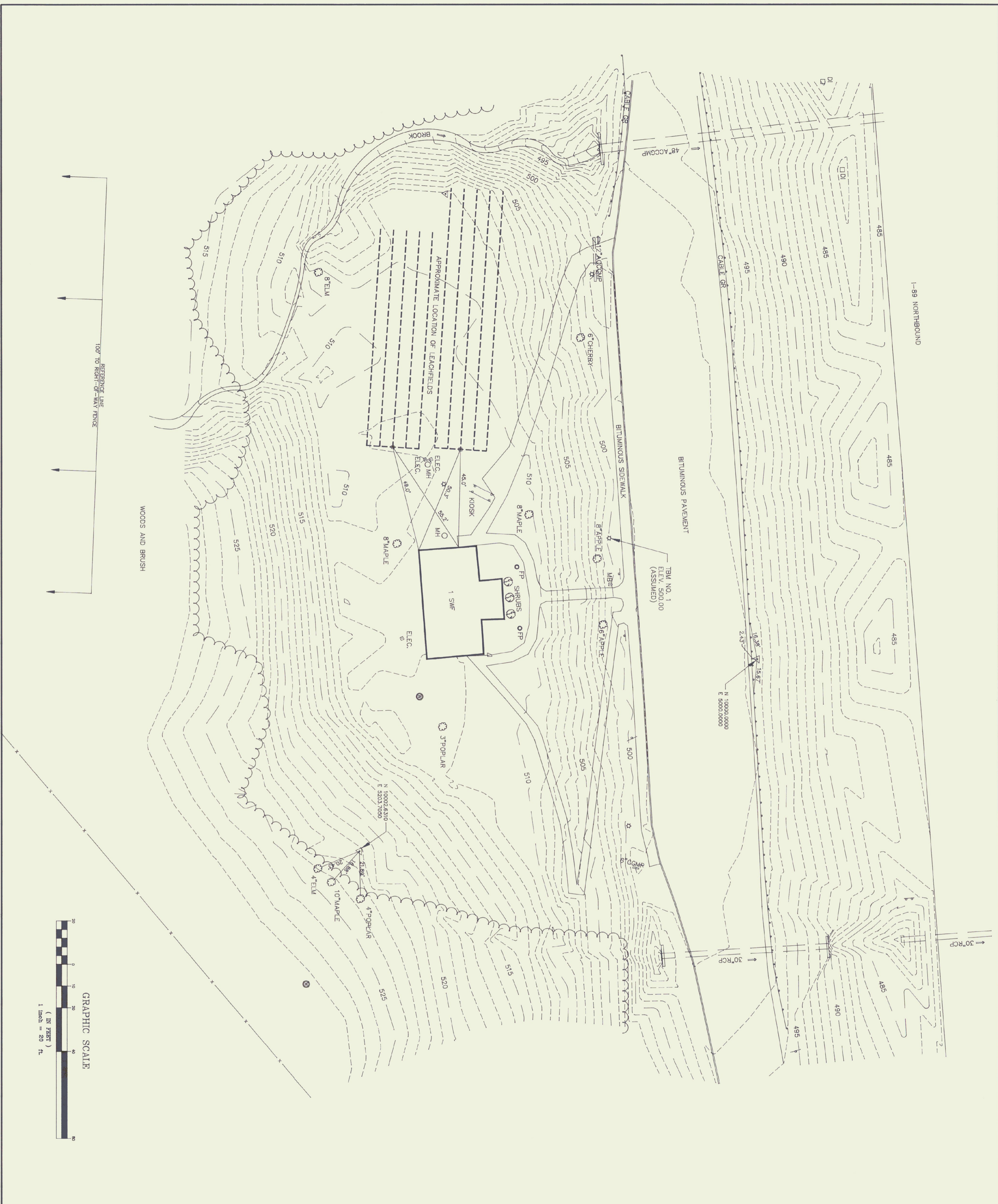
GEORGIA - FAIRFAX
 REST AREAS
 I 89



I-88 SOUTHBOUND



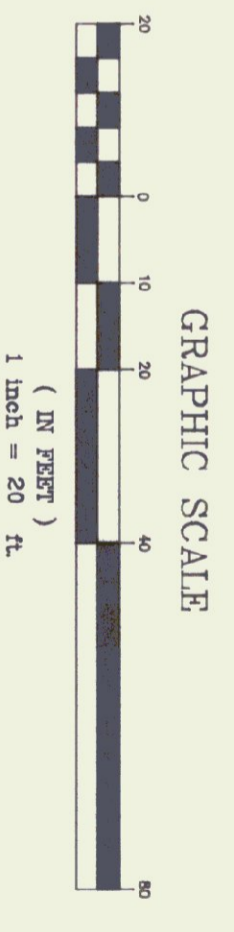
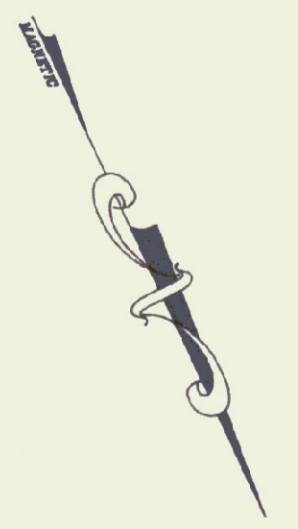
REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS SITE PLAN GEORGIA-FAIRFAX SOUTHBOUND REST AREA					
SUBMITTED		VERMONT SURVEY and ENGINEERING, INC.		SCALE	
DESIGN		SURVEYORS and CIVIL ENGINEERS		1" = 20'	
DRAWN				PROJECT NO.	
USE		58 EAST STATE STREET • MONTPELIER, VERMONT • 05602		13994	
TRACKED				DRAWING NO.	
CHANGED				1 OF 1	
		DATE			
		DEC. 1994			



I-89 NORTHBOUND

WOODS AND BRUSH

100' TO RIGHT OF WAY FENCE
REFERENCE LINE



REV. NO.	DATE	DESCRIPTION	MADE BY	CHECKED BY	APPROVED BY
STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS					
SITE PLAN GEORGIA-FAIRFAX NORTHBOUND REST AREA					
STARTED	VERMONT SURVEY and ENGINEERING, INC.			SCALE	1" = 20'
DESIGNED	SURVEYORS and CIVIL ENGINEERS			PROJECT NO.	13994
DRAWN				TRACED	13994
	58 EAST STATE STREET • MONTPELIER, VERMONT • 05602			CHECKED	
				DATE	DEC. 1994
					DRAWING NO.
					1 OF 1