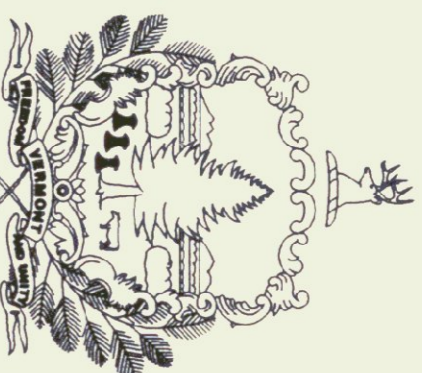


INDEX OF SHEETS

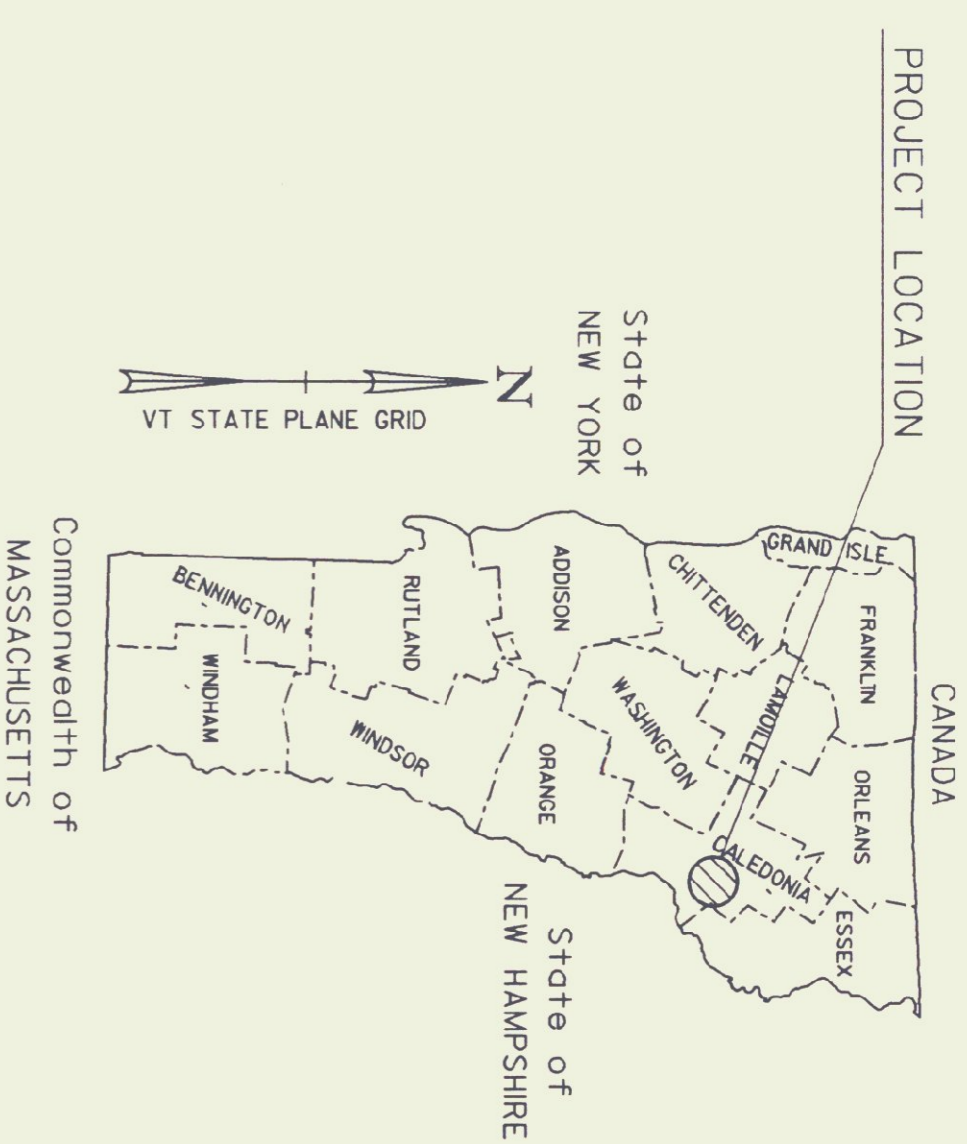
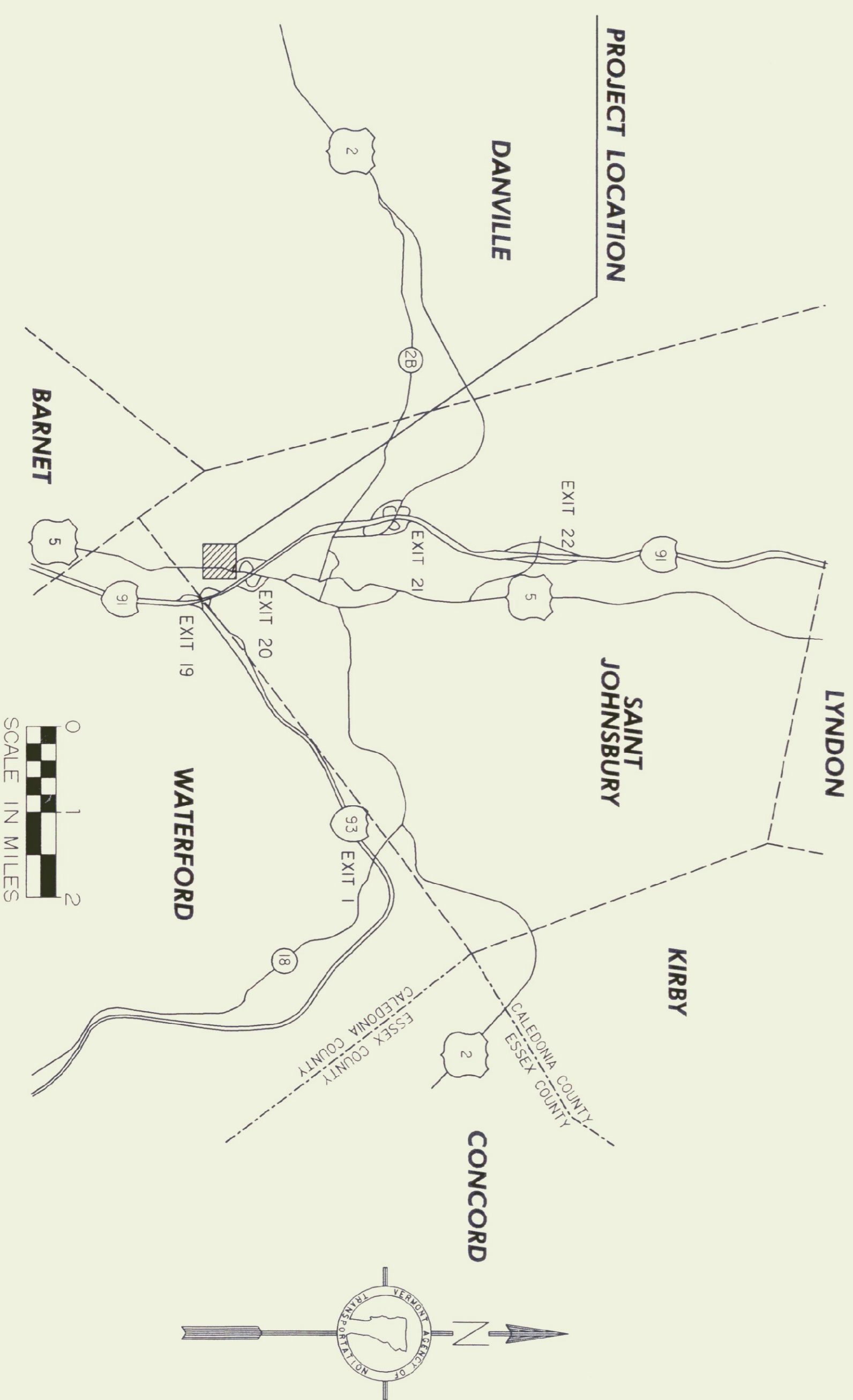
1. TITLE SHEET
2. GENERAL NOTES & DETAILS
3. SITE PLAN
4. LOCATION AND BUILDING - 40' X 80' SALT SHED
5. QUANTITY SHEET

STANDARDS

B-5	SLOPE GRADING, EMBANKMENTS, MUCK	06/01/94
D-3	TREATED GUTTERS	06/01/94
D-11	GRATES & COVERS (TYPE A)	06/01/94
D-15	PRECAST REINF. CONC. CB W/CI GRATE PRECAST REINF. CONC. MH W/CI COVER CI GRATE WITH FRAME, TYPES D & E	06/01/94
T-1	TEMPORARY EROSION CONTROL DETAILS	06/01/94
T-2	TEMPORARY EROSION CONTROL DETAILS	06/01/94

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
CONSTRUCTION OF NEW
SAND-SALT SHEDS
TOWN OF SAINT JOHNSBURY
COUNTY OF CALEDONIA

WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES
CONSTRUCTION OF NEW SAND-SALT SHEDS, SITE WORK,
PAVING, DRAINAGE, LANDSCAPING, AND INCIDENTAL ITEMS.



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED *David A. Dugate* 9/16/88
DIRECTOR OF PROJECT DEVELOPMENT
PROJECT ST. JOHNSBURY
SHEET 1 OF 5 SHEETS

DATUM
VERTICAL _____
HORIZONTAL _____



540 COMMERCIAL ST.
MANCHESTER, NH 03101
PH: (603) 568-8223
FAX: (603) 668-8802
E-MAIL: CLEND@CLENDENGINEERS.COM

- NOTES:
1. ALL PROPOSED PAVEMENT SHALL HAVE A 1/4" THICK TYPE III WEARING COURSE AND A 3/4" THICK TYPE II BINDER COURSE. ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
 2. TACK COAT: ITEM 404.65, EMULSIFIED ASPHALT, IS TO BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANE SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.015 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
 3. GROSS HATCHED AREAS ON PLAN SHALL HAVE EXISTING SURFACES REMOVED (PAID AS ITEM 203.28, EXCAVATION OF SURFACES AND PAVEMENTS), WITH CLEAN CUT EDGES ALONG JOINTS, TAKING CARE TO NOT DISTURB REMAINING PAVEMENT AND/OR SUBBASE. THE EXCAVATED MATERIAL SHALL BE REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER.

EXISTING SUBBASE MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3'+/- OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL SHALL BE USED AS BORROW OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 203.28 EXCAVATION OF SURFACES AND PAVEMENTS.

MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED).

ALONG THE CUT EDGES OF PAVEMENT, THE SUBBASE SHALL BE BROUGHT UP TO GRADE WITH ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED), AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAILS ON THIS SHEET.

4. THERE SHALL BE A 3" VERTICAL GRADE DIFFERENTIAL BETWEEN THE FINISH FLOOR ELEVATION OF THE SHEDS DOWN TO THE FINISH BITUMINOUS PAVEMENT ELEVATION ALONG THE DOOR OPENING, OR AS DIRECTED BY THE RESIDENT ENGINEER.

UPON COMPLETION OF THE GRADING OPERATIONS FOR EARTH SIDESLOPE AREAS, THE CONTRACTOR SHALL IMMEDIATELY ESTABLISH VEGETATION IN ACCORDANCE WITH THE SEEDING REQUIREMENTS ON THIS SHEET.

6. SEE VAOT STANDARD DRAWINGS T-1 AND T-2 FOR TEMPORARY EROSION CONTROL DETAILS.

7. ALL EXISTING MATERIAL STORED ON SITE (SAND, COLD PLANE GRINDINGS, BRUSH, ECT.) SHALL BE REMOVED BY VAOT PRIOR TO CONSTRUCTION.

8. UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL WORK WITH THE VAOT IN DETERMINING ACTUAL LOCATION OF UTILITIES.

SEEDING FORMULA
RURAL AREAS

Z. WT.	LBS./A.	NAME	PUR. %	GERM. %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYE GRASS	95	85
100.0	60.0			

SEEDING FORMULA
URBAN AREAS

Z. WT.	LBS./A.	NAME	PUR. %	GERM. %
42.5	34.0	CREeping RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.0	80.0			

SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

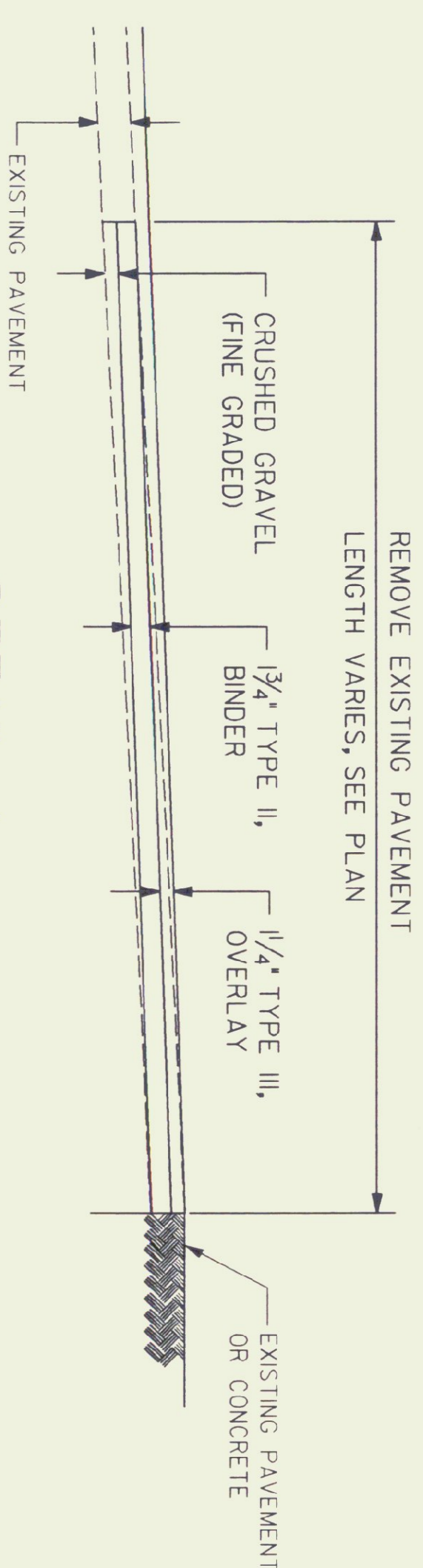
SEEDS TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE ENGINEER.

FERTILIZER FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

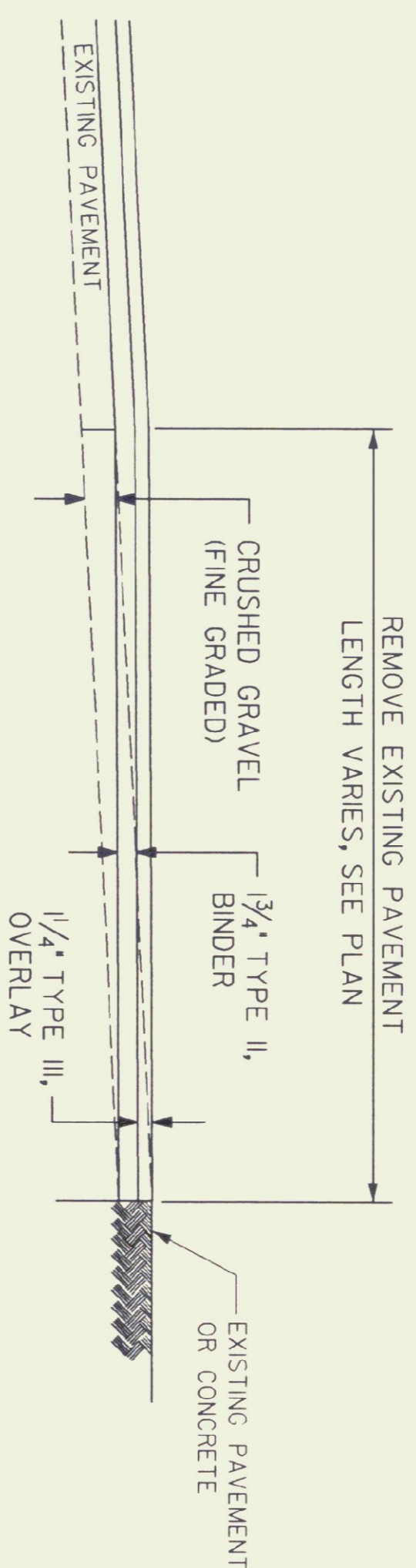
HAY MULCH TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



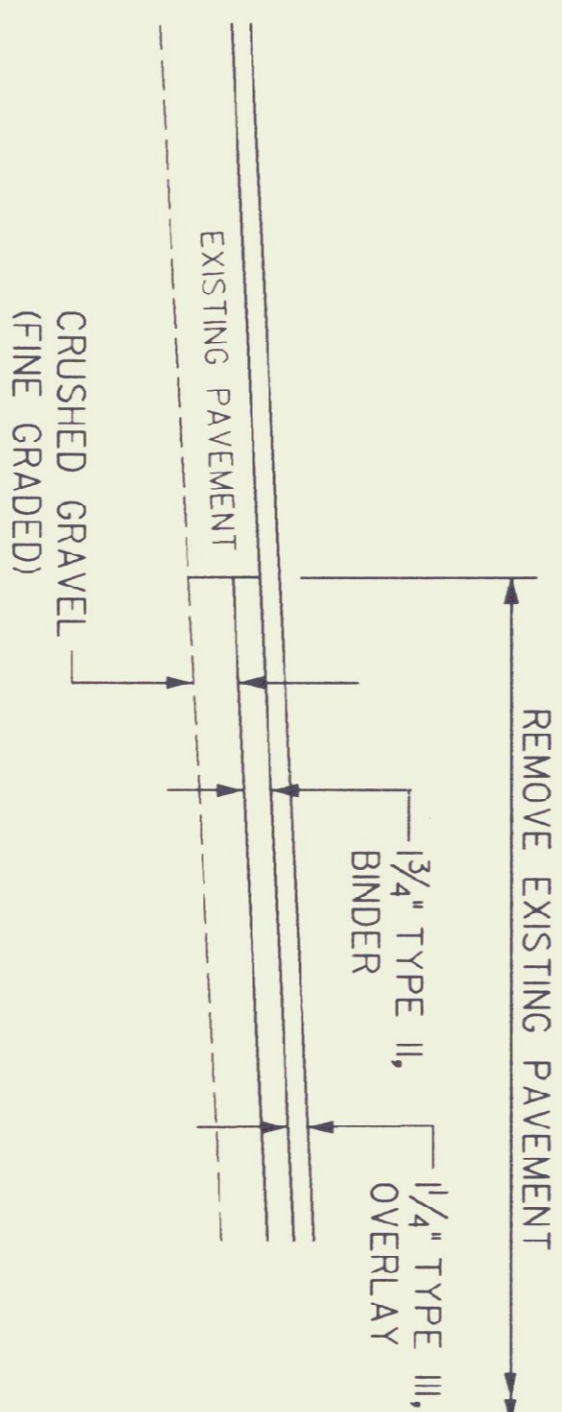
- This detail applies to this project
 This detail does not apply to this project

DETAIL - A



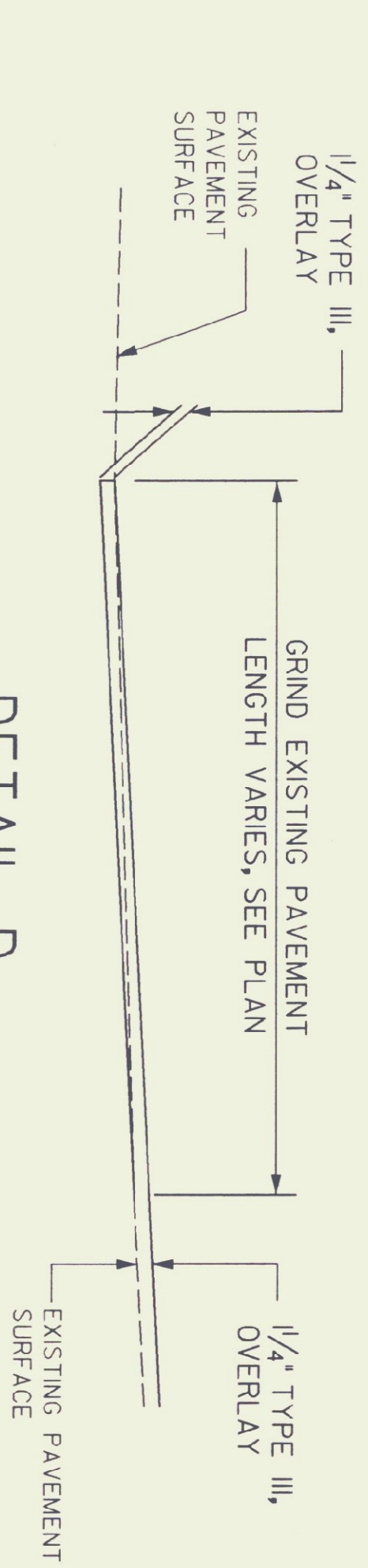
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DETAIL - B



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 This detail does not apply to this project

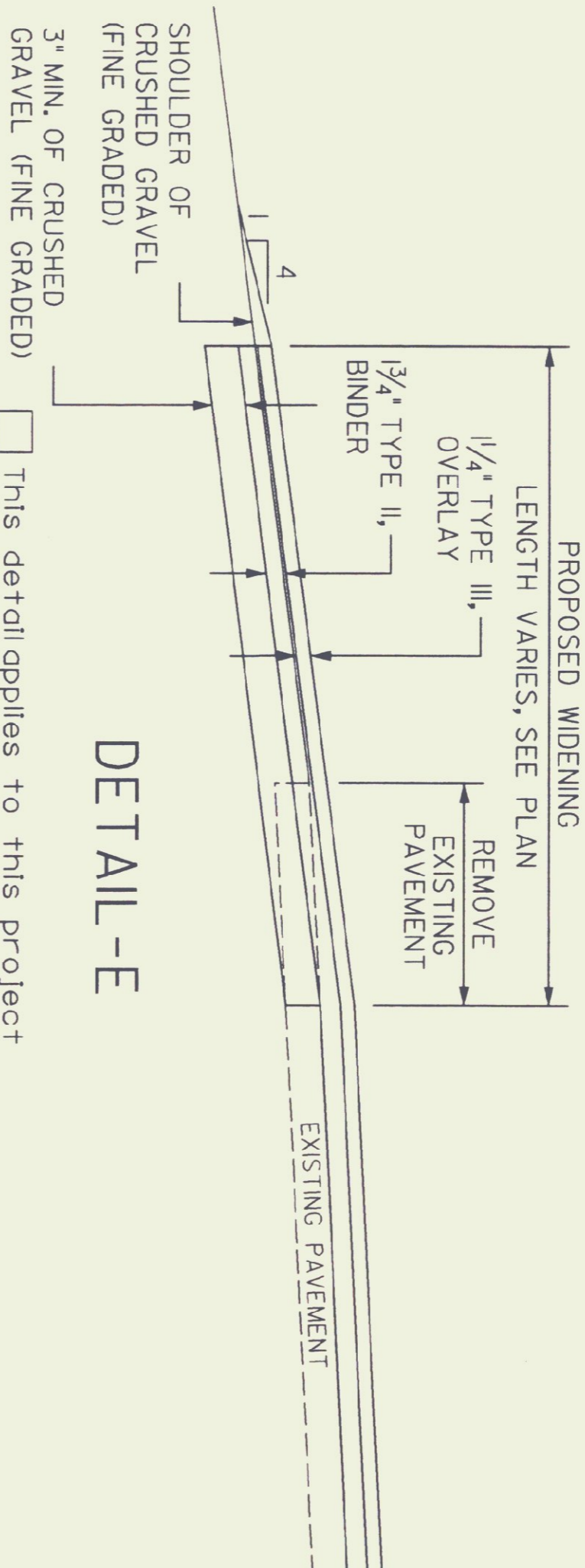
DETAIL - C



- This detail applies to this project
 This detail does not apply to this project

PAVEMENT GRINDING DETAIL
(PAID AS BITUMINOUS CONCRETE PAVEMENT)

DETAIL - D



- This detail applies to this project
 This detail does not apply to this project

DETAIL - E

- This detail applies to this project
 This detail does not apply to this project

- This detail applies to this project
 This detail does not apply to this project

- This detail applies to this project
 This detail does not apply to this project

- This detail applies to this project
 This detail does not apply to this project

PROJECT: ST. JOHNSBURY SALT SHED

DESIGN FILE NAME: 982111TP.DGN

IPARM FILE NAME: CUD_ENGINEERS

SURVEYED BY: J. WARNER

SQUAD LEADER: T. LUTHER

PROJECT NO.: STP SALT(4)5

PLOT DATE: 13 AUG 98

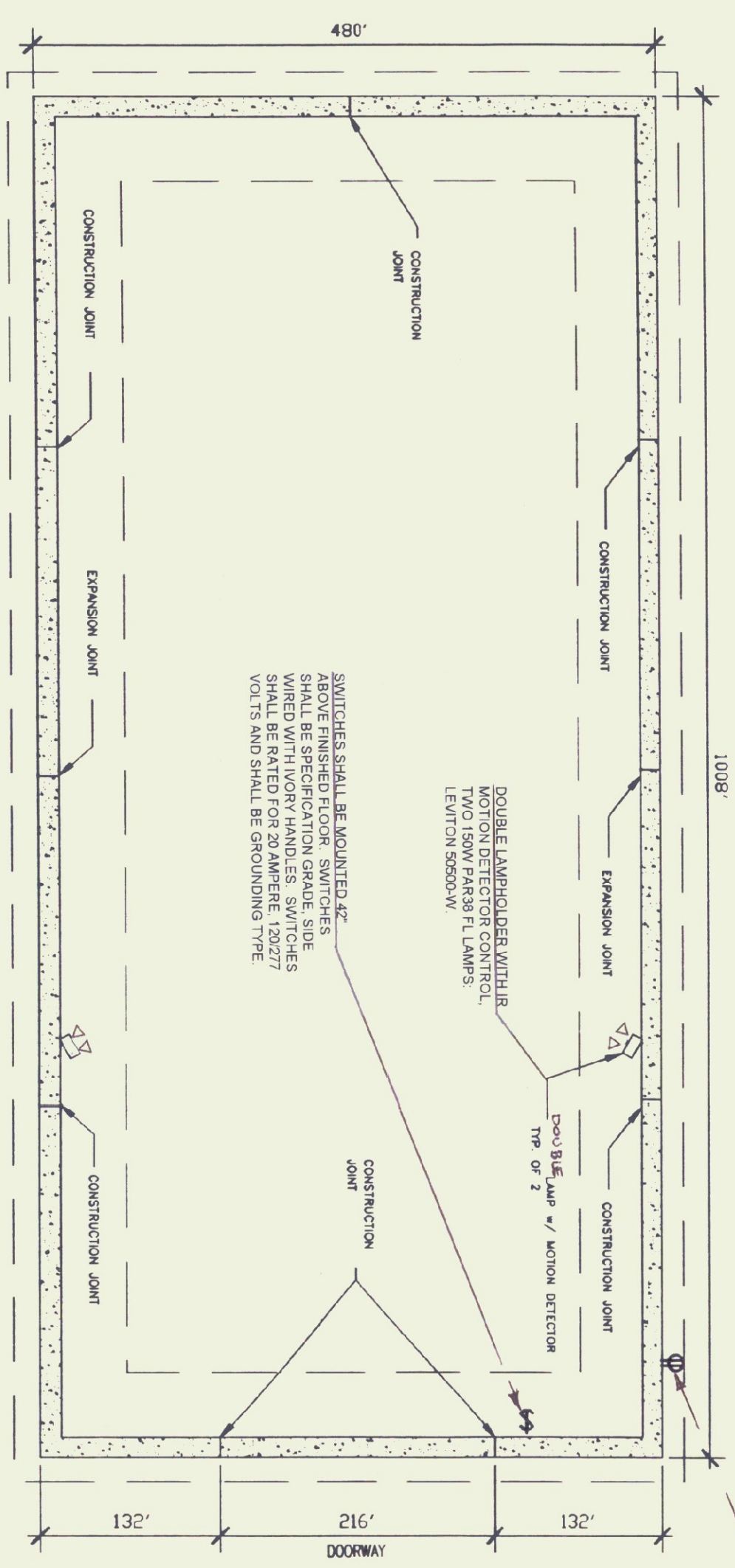
SURVEY DATE: N/A

DRAWN BY: SHEET: 2 OF 5

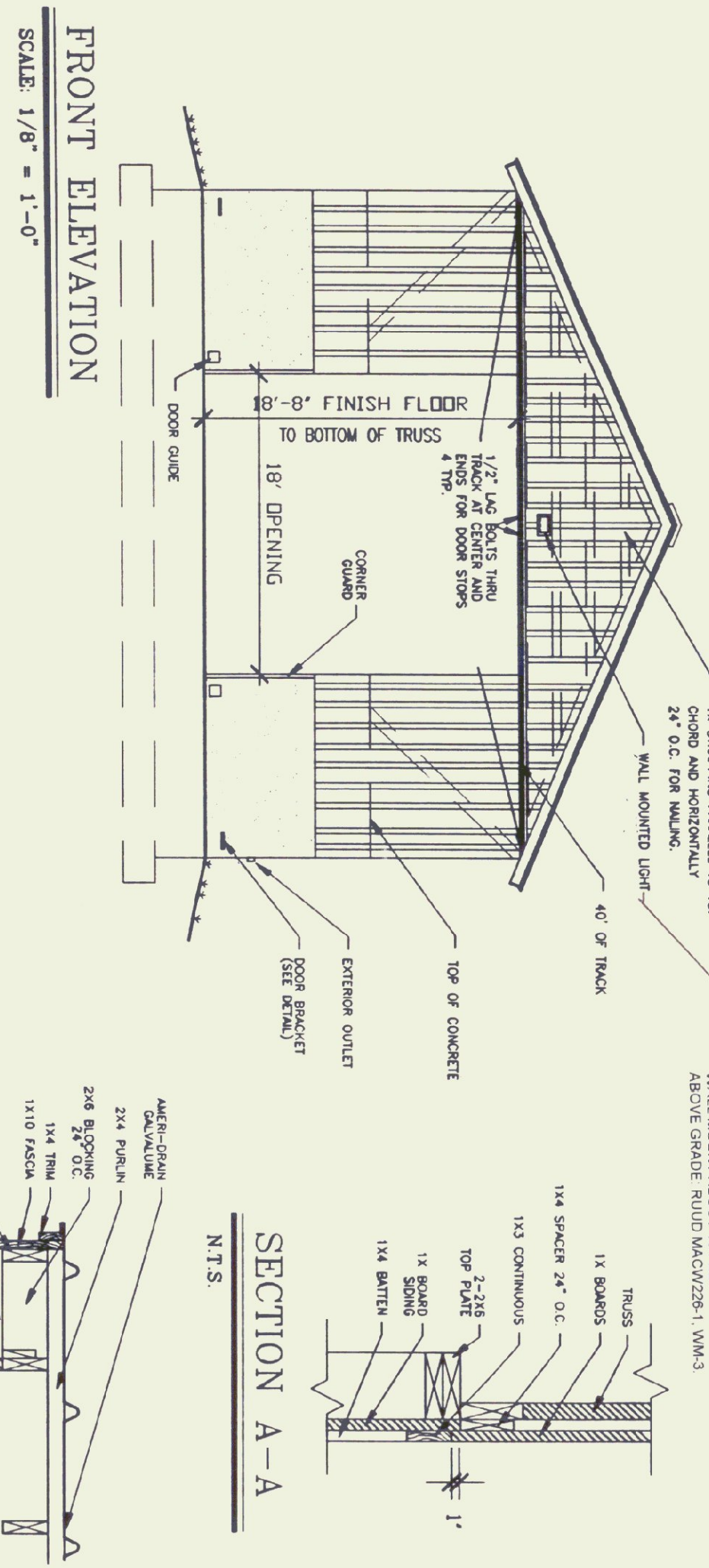
DATUM _____

VERTICAL _____

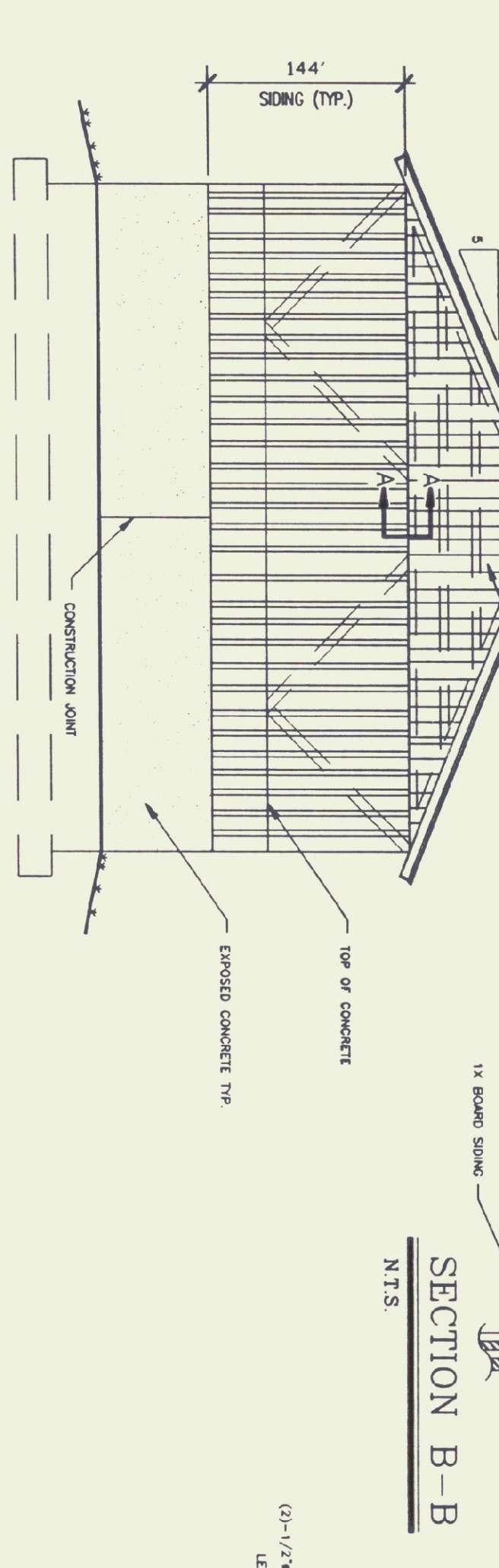




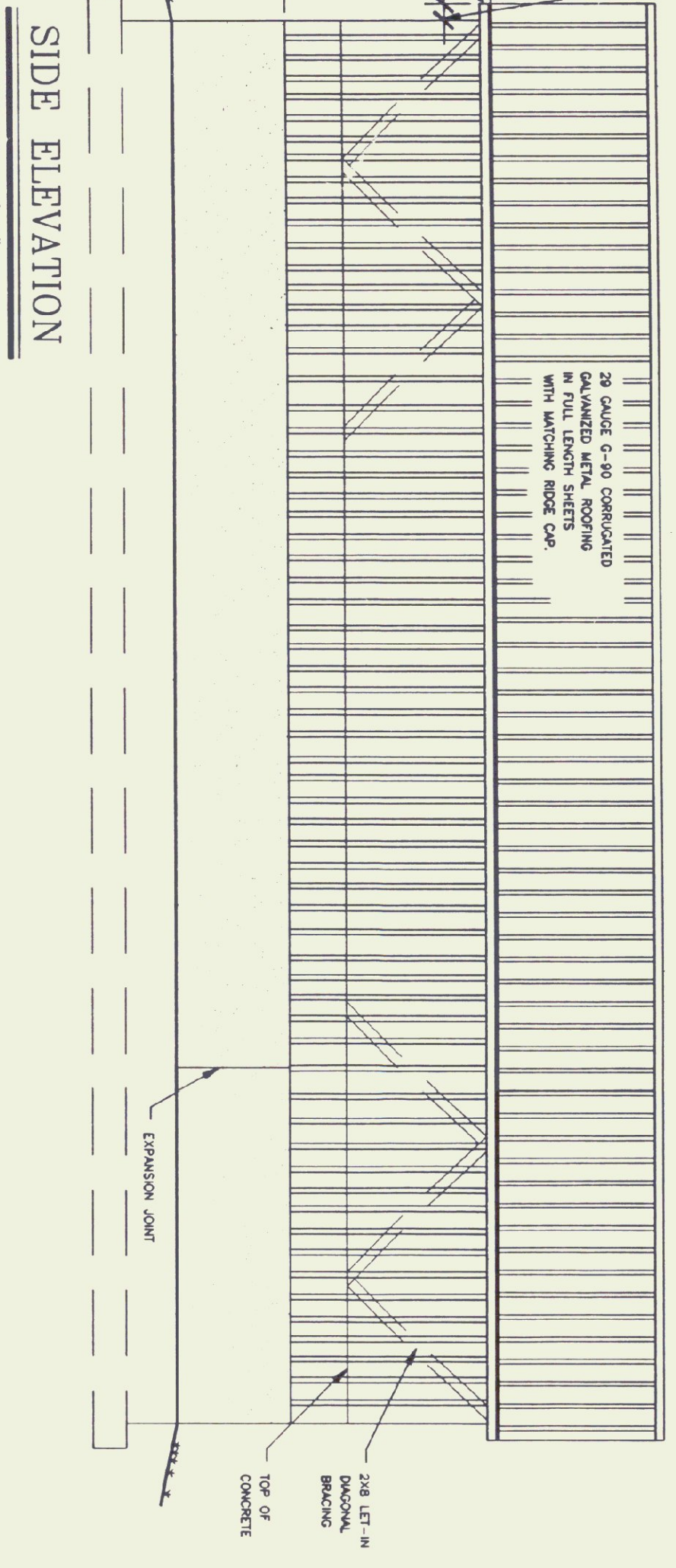
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



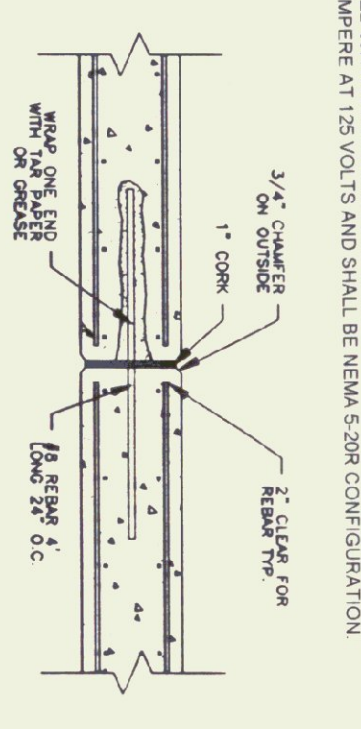
FRONT ELEVATION
SCALE: 1/8" = 1'-0"



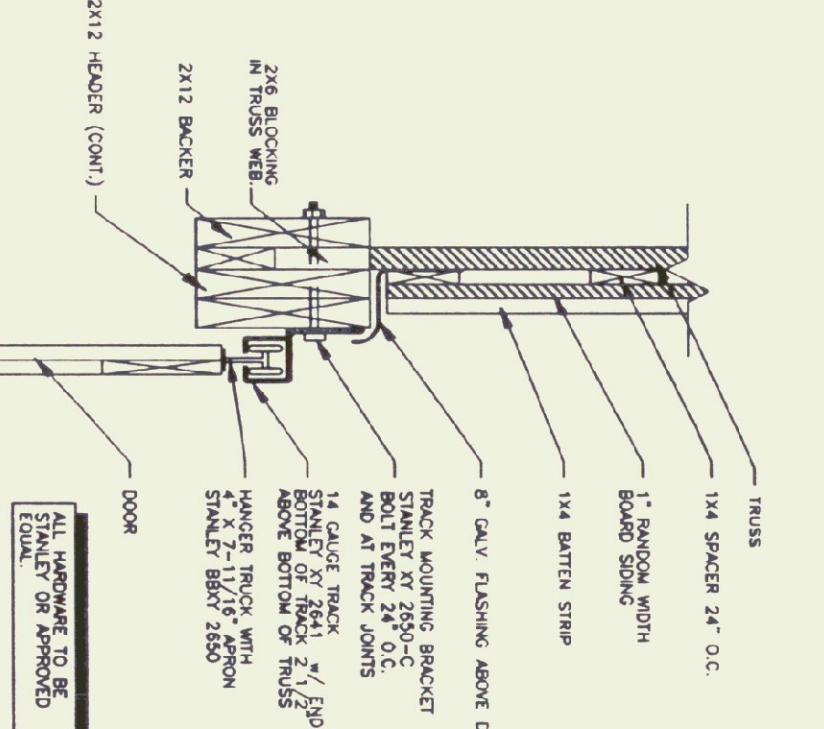
BACK ELEVATION
SCALE: 1/8" = 1'-0"



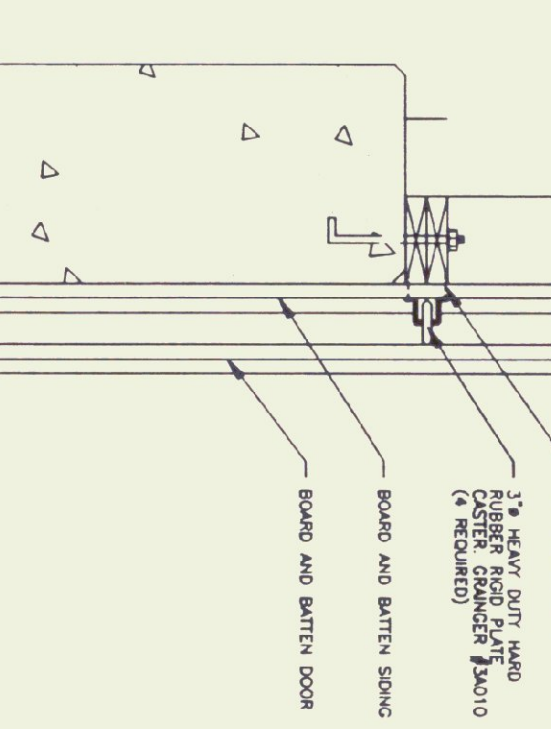
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



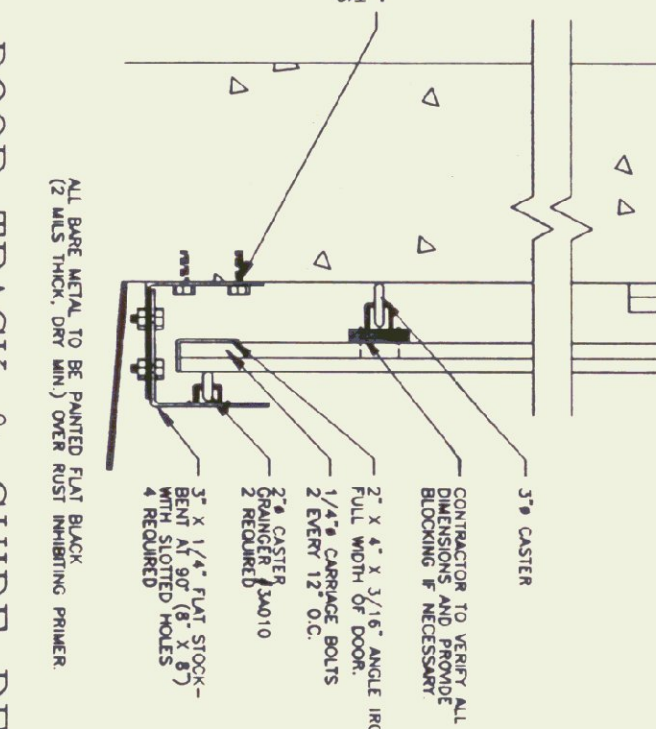
EXPANSION JOINT DETAIL
N.T.S.



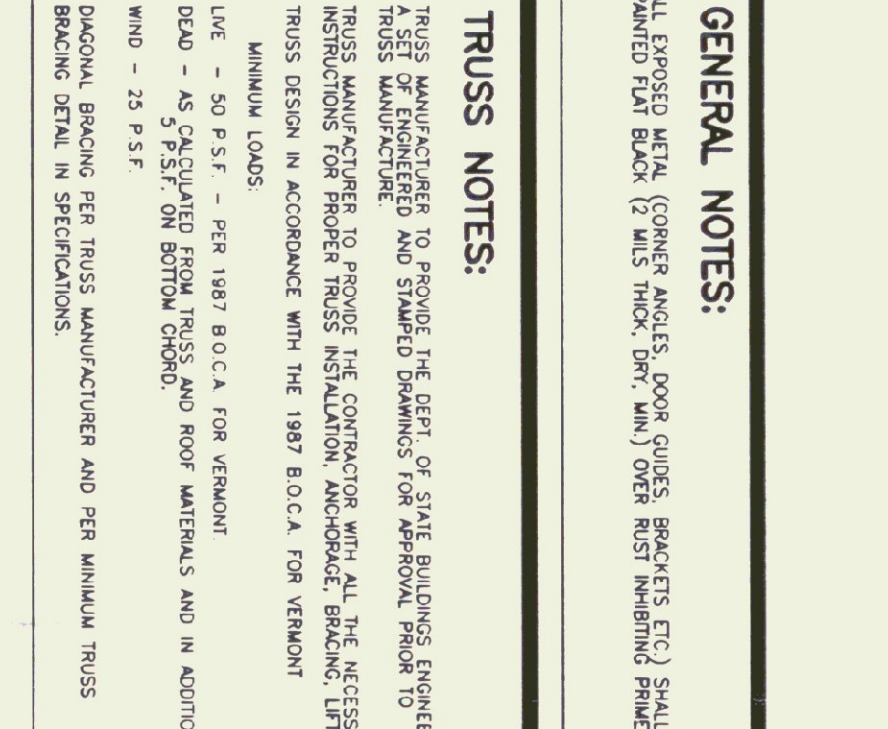
CORNER DETAIL
N.T.S.



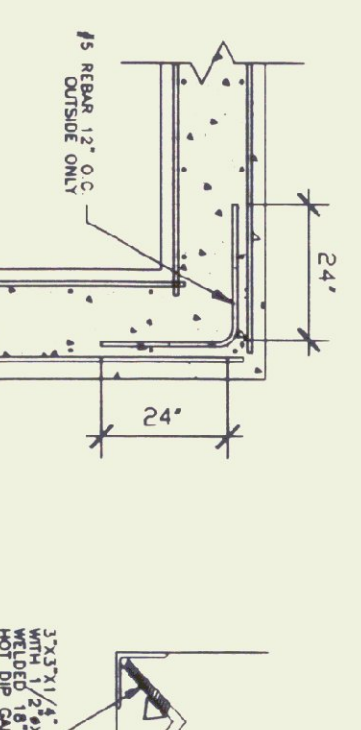
CORNER GUARD
N.T.S.



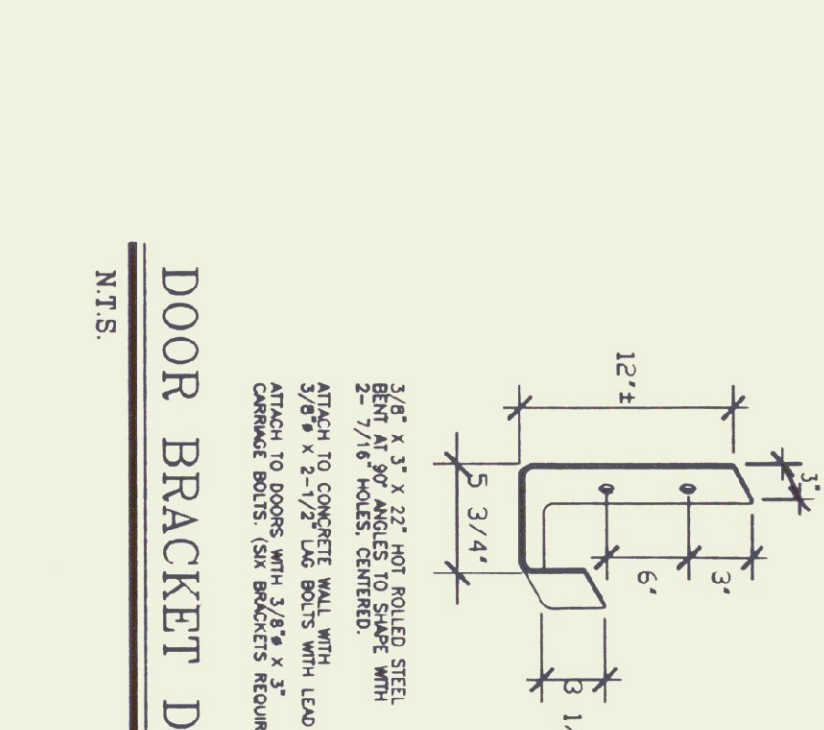
DOOR TRACK & GUIDE DETAIL
N.T.S.



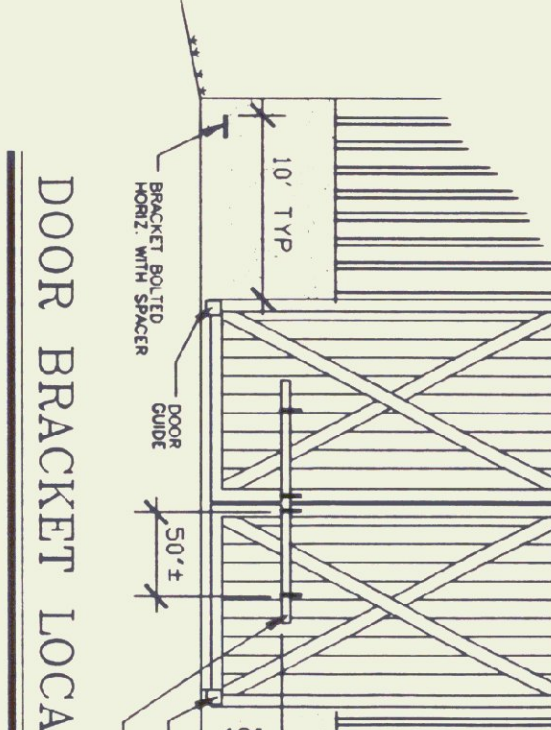
DOOR BRACKET LOCATION
N.T.S.



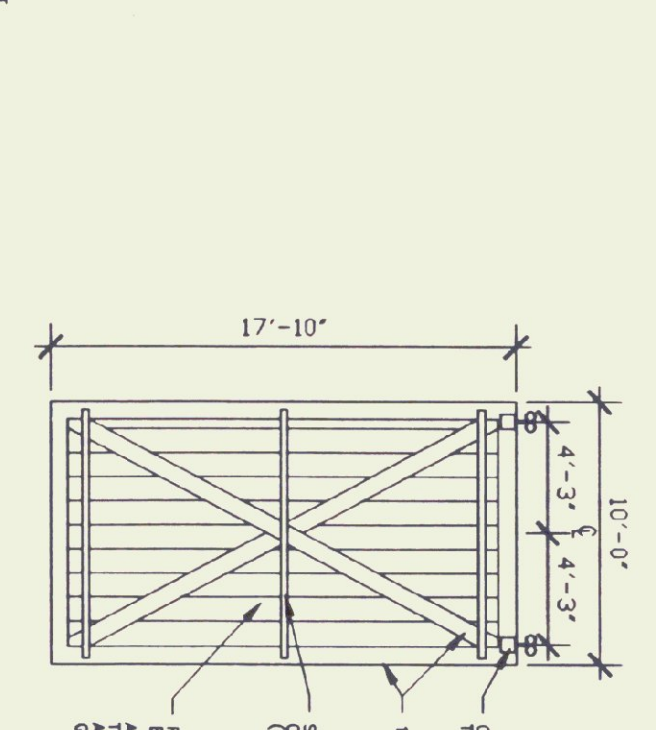
DOOR BRACKET DETAIL
N.T.S.



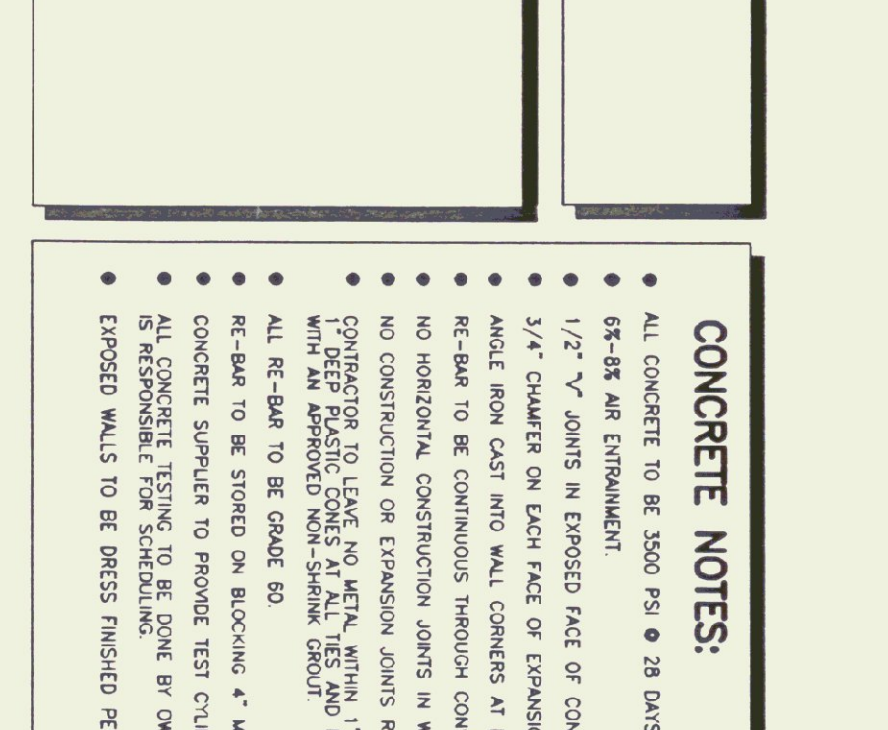
EXT. DOOR DETAIL
N.T.S.



NAILER DETAIL
N.T.S.



WALL SECTION (TYP.)
3/4" = 1'-0"



GENERAL NOTES:

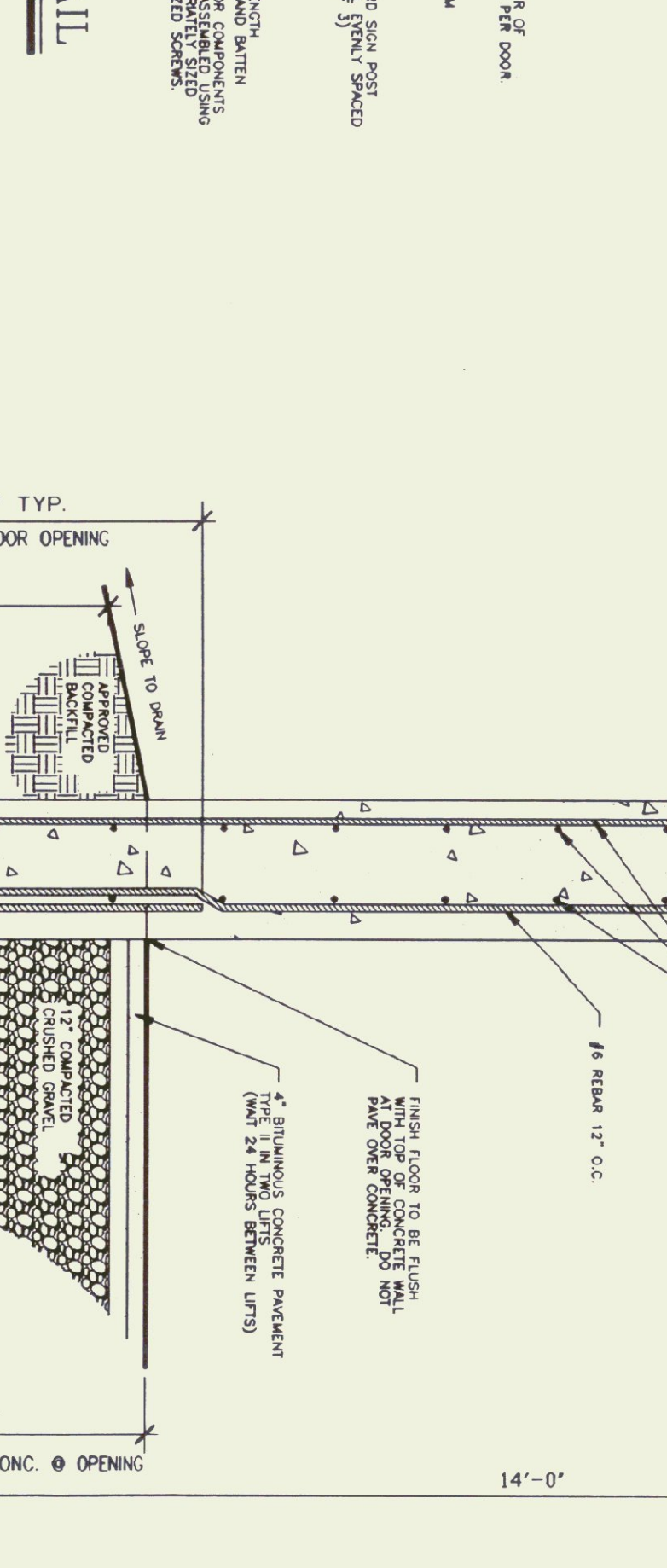
- ALL EXPOSED STEEL (CONCRETE ANCHORS, GUSSET CONNECTORS, ETC.) SHALL BE PAINTED IN BLACK (1 MILS THICK, PER AIA) OVER RUST INHIBITING PRIMER.

TRUSS NOTES:

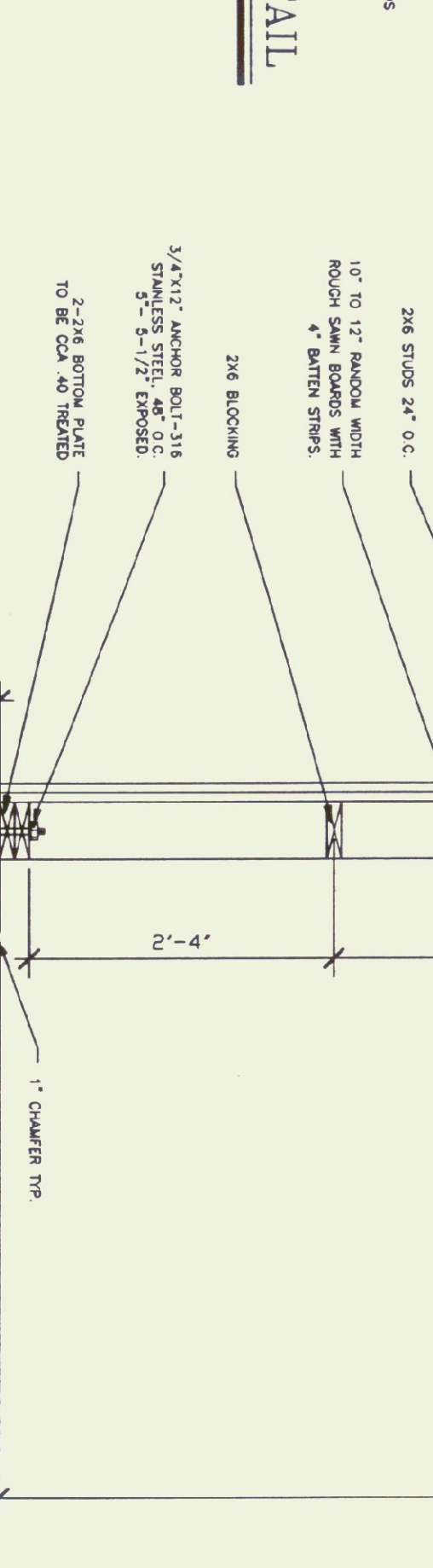
- TRUSS MANUFACTURER TO PROVIDE THE CENTER OF GRADE BUILDING ENGINEER TRUSS MANUFACTURER AND STAMPED DRAWINGS FOR APPROVAL FROM THE TRUSS MANUFACTURER.
- TRUSS MANUFACTURER TO PROVIDE THE CONTRACTOR WITH ALL THE NECESSARY INSTRUCTIONS FOR PROPER TRUSS INSTALLATION, ANCHORAGE, BRACING, LIFTING, ETC.
- TRUSS DESIGN IN ACCORDANCE WITH THE 1987 B.O.C.A. FOR VERMONT MINIMUM LOADS.
- LIVE - 50 PSF - PER 1987 B.O.C.A. FOR VERMONT.
- DEAD - AS CALCULATED FROM TRUSS AND ROOF MATERIALS AND IN ACCORDANCE WITH 1987 B.O.C.A. FOR VERMONT.
- WIND - AS PER 1987 B.O.C.A. FOR VERMONT.
- DIAGONAL BRACING PER TRUSS MANUFACTURER AND PER MINIMUM TRUSS BRACING DETAIL IN SPECIFICATIONS.

CONCRETE NOTES:

- ALL CONCRETE TO BE 3000 PSI @ 28 DAYS WITH A MAXIMUM SLUMP OF 4".
- 85-88 AIR ENTRAINMENT.
- 1/2" - 7" JOINTS IN EXPOSED FACE OF CONSTRUCTION JOINTS.
- 3/4" CHAMFER ON EACH FACE OF EXPANSION JOINTS.
- ANCHOR RODS INTO WALL CONCRETS AT DOOR OPENINGS.
- RE-BAR TO BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- NO HORIZONTAL CONSTRUCTION JOINTS IN WALLS - CONTINUOUS FOUR BAR CONSTRUCTION OR EXPANSION JOINTS REQUIRED IN FOOTINGS.
- CONTRACTOR TO LEAVE NO UTILITY, ANTI-1" OF SURFACE. USE WITH AN APPROVED NON-SHINK GROUT.
- ALL RE-BAR TO BE GRADE 60.
- RE-BAR TO BE STORED ON BLOCKING 4" MIN ABOVE GRADE.
- CONCRETE SUPPLIER TO PROVIDE TEST CURBERS FOR CONCRETE TESTING.
- ALL CONCRETE TESTING TO BE DONE BY OWNER'S CONTRACTOR.
- EXPOSED WALLS TO BE PRESS FINISHED PER A.O.I. SPECIFICATIONS.



LOCATION & BUILDING
40' X 84' SALT SHED



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

SCALE: AS NOTED
DATE: JAN 1997
DRAWN BY: G. D. NORWOOD
APPR. BY:

ST. JOHNSBURY
40' X 84' SAND-SALT SHED

ST. JOHNSBURY

VERMONT

4 OF 5

AUG 13 1998

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN				TOTAL	FINAL	ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN				TOTAL	FINAL
203.15	COMMON EXCAVATION	CY				170	170										
203.28	EXCAVATION OF SURFACES AND PAVEMENTS	CY				1250	1250	651.35	TOPSOIL	CY				95	95		
203.30	EARTH BORROW	CY				250	250	654.10	EROSION MATTING	SY				450	450		
203.40	FINE GRADING-SUBGRADE	SY				5800	5800	658.15	ROADSIDE REST FACILITY (MOD) (2 SHEETS 40X84)	L.S.				1	1		
204.20	TRENCH EXCAVATION OF EARTH	CY				290	290										
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY				30	30										
301.26	SUBGRADE OF CRUSHED GRAVEL (FINE GRADED)	CY				1150	1150										
404.65	EMULSIFIED ASPHALT	CWT				8	8										
406.25	BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	TON				970	970										
601.0010	15" CSP .064 (2-2/3 x 1/2)	LF				200	200										
604.20	PRECAST REINFORCED CONCRETE CATCH BASIN W/CAST IRON GRATE	EACH				1	1										
604.21	PRECAST REINFORCED CONCRETE HANHOLE W/CAST IRON COVER	EACH				1	1										
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (NABT)	HR				1	1										
608.37	TRUCK RENTAL (NABT)	HR				1	1										
609.10	DUST CONTROL WITH WATER	MGAL				12	12										
613.11	STONE FILL, TYPE II	CY				85	85										
635.10	MOBILIZATION	L.S.				1	1										
649.31	GEOTEXTILE UNDER STONE FILL	SY				125	125										
649.51	GEOTEXTILE FOR SILT FENCE	SY				25	25										
651.15	SEED	LB				25	25										
651.17	SEED-WINTER RYE	LB				10	10										
651.18	FERTILIZER	LB				150	150										
651.20	AGRICULTURAL LIMESTONE	TON				1	1										
651.25	HAY MULCH	TON				1	1										
651.26	HAY BALES FOR EROSION CONTROL	EACH				40	40										

BRIDGE AT STATION _____ LOCATION _____

PREPARED BY: B. Donald SUPERVISOR

CHECKED BY: G. Newbury

PROJECT: ST. JOHNSBURY BR _____ OF _____

PROJECT NO: STP SALT (4) 5 SHEET NO: 5 OF 5