

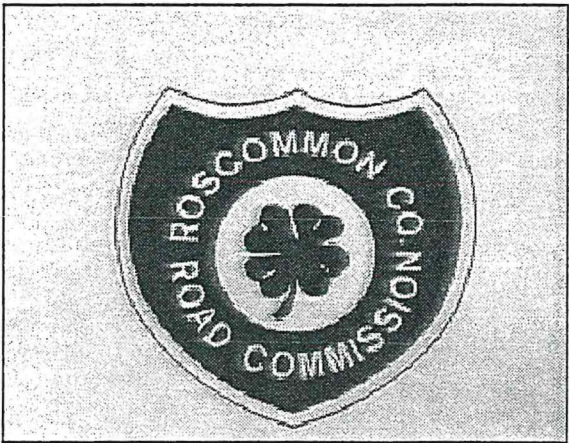
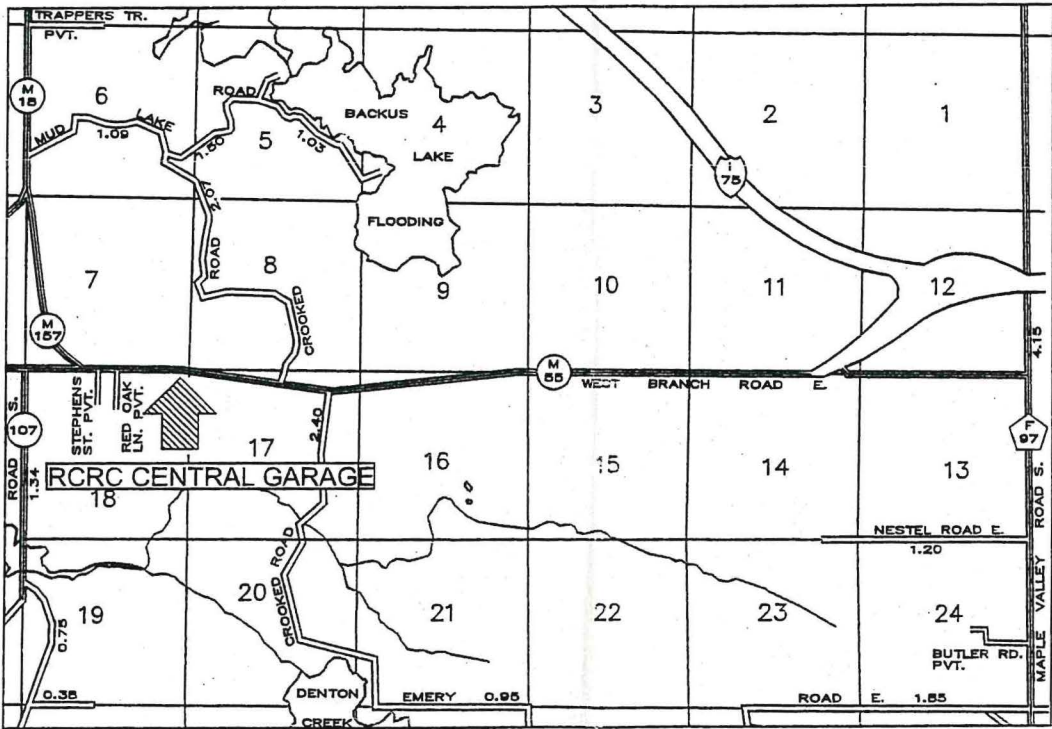
ROSCOMMON COUNTY ROAD COMMISSION

IN CO-OPERATION WITH

THE MICHIGAN DEPARTMENT OF TRANSPORTATION

PROPOSED CENTRAL GARAGE CONCRETE SALT SHED

T22N R2W, SECTION 18 (BACKUS TWP.) ROSCOMMON COUNTY



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN SHEET #1
3	PLAN SHEET #2
4	DETAIL
5	DETAIL
6	DETAIL
7	DETAIL
8	DETAIL
9	DETAIL
10	DETAIL

JOB NAME: CENTRAL GARAGE CONCRETE SALT SHED
LOCATION: ROSCOMMON COUNTY ROAD COMM.
820 E. WEST BRANCH ROAD
PRUDENVILLE MI. 48651

DESCRIPTION: PROPOSED CONCRETE SALT SHED
LOCATION

DRAWN BY: SCD

CHECKED BY:

SCALE: NONE

DATE: 06/22/05

JOB NUMBER

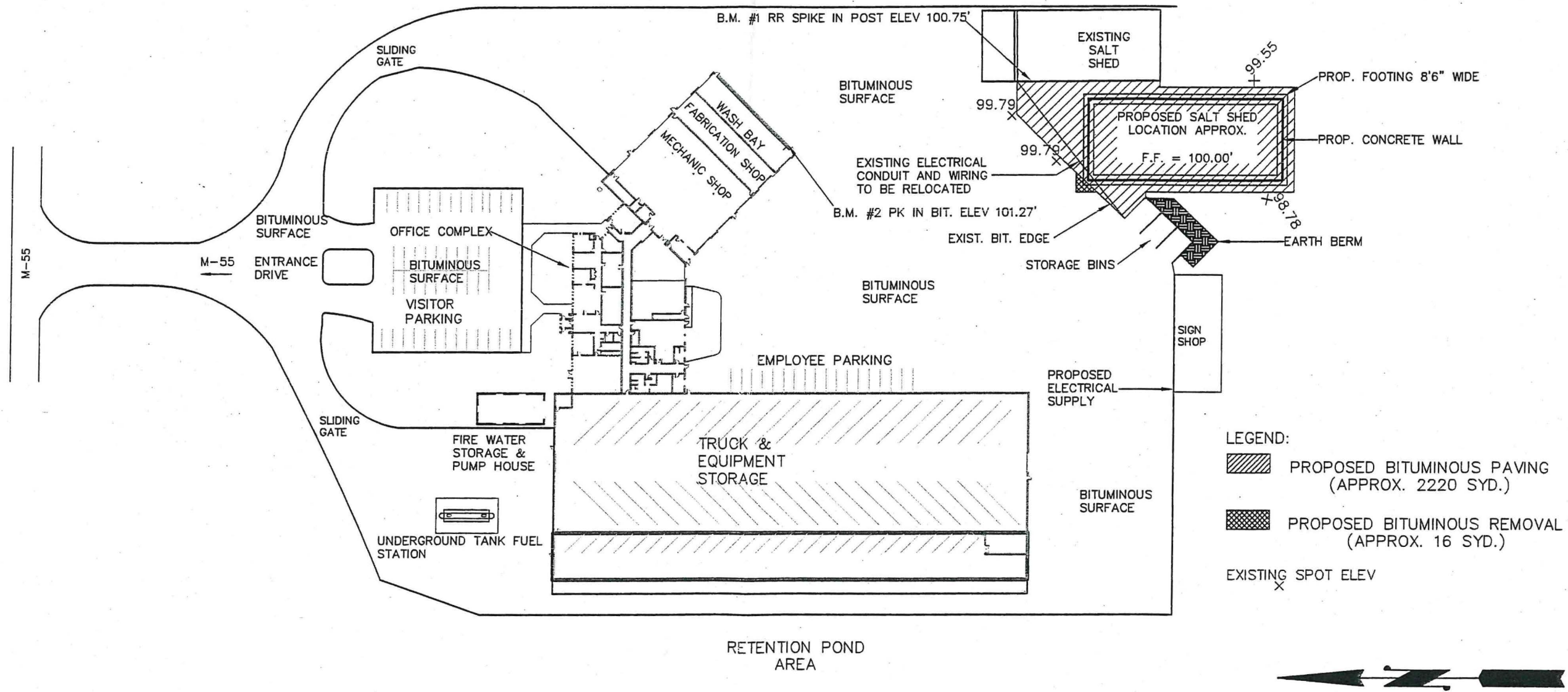
SHEET

2005-0122

1 OF 10



ROSCOMMON COUNTY ROAD COMMISSION
CENTRAL GARAGE CONCRETE SALT SHED
SITE PLAN SHEET # 1



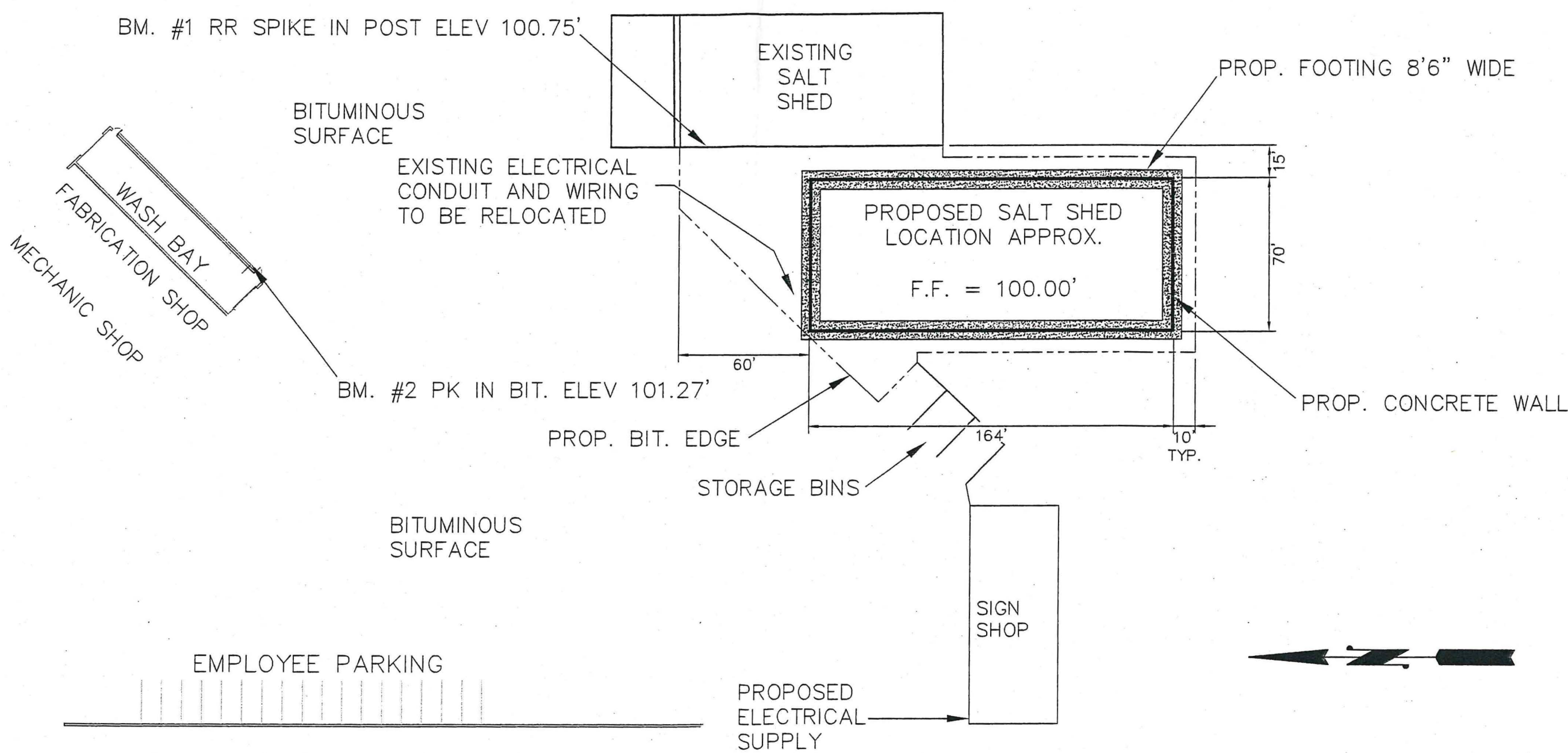
JOB NAME: CENTRAL GARAGE CONCRETE SALT SHED
LOCATION: ROSCOMMON COUNTY ROAD COMM.
820 E. WEST BRANCH ROAD
PRUDENVILLE MI. 48651

DRAWN BY: RMS	CHECKED BY:
SCALE: 1"=100'	
DATE: 06/22/05	
JOB NUMBER	SHEET
2005-0122	2 OF 10

DESCRIPTION: PROPOSED CONCRETE SALT SHED
LOCATION

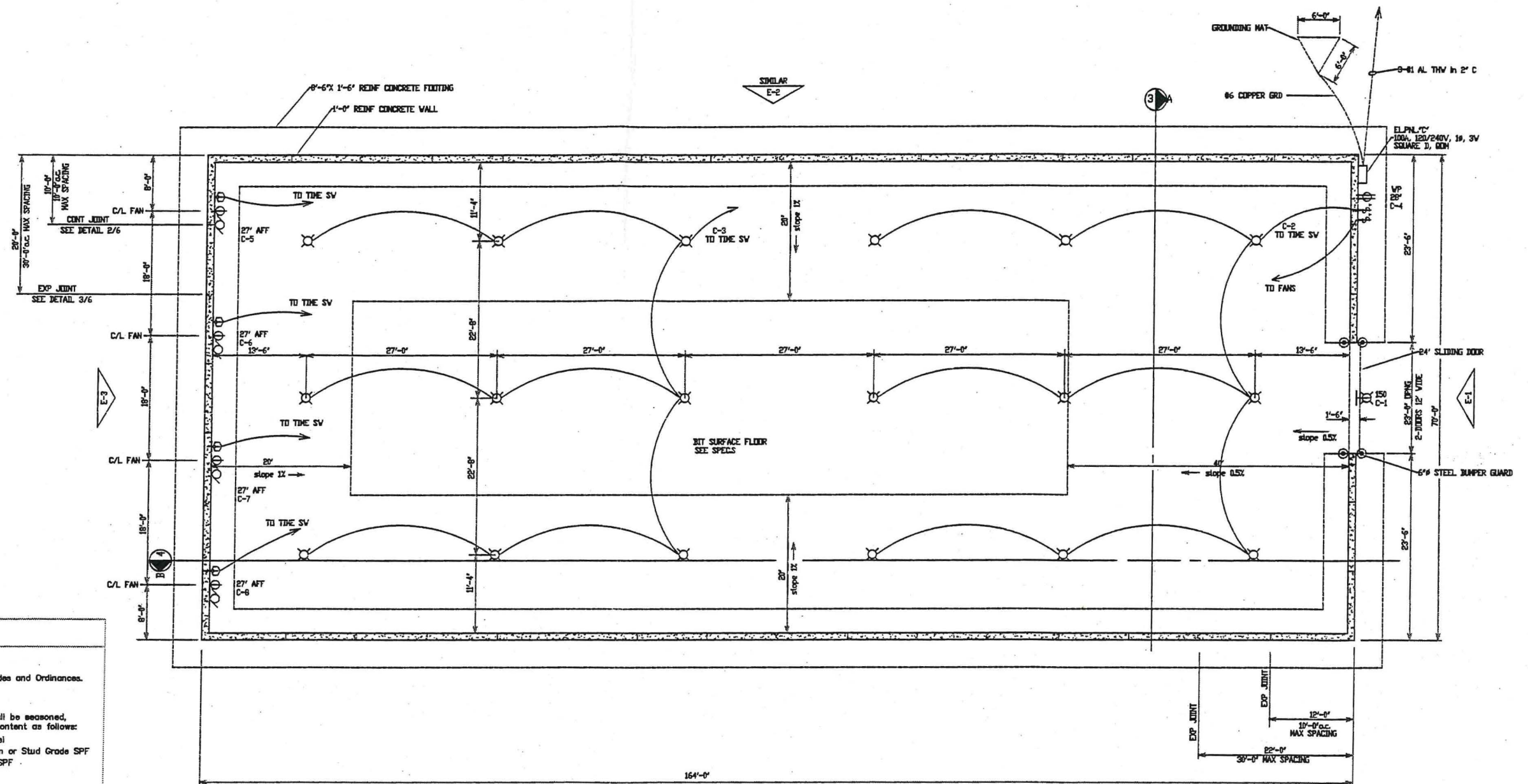


ROSCOMMON COUNTY ROAD COMMISSION
CENTRAL GARAGE CONCRETE SALT SHED
SITE PLAN SHEET # 2



JOB NAME: CENTRAL GARAGE CONCRETE SALT SHED LOCATION: ROSCOMMON COUNTY ROAD COMM. 820 E. WEST BRANCH ROAD PRUDENVILLE MI. 48651	DRAWN BY: RMS	CHECKED BY:
	SCALE: 1"=50'	
	DATE: 06/22/05	
	JOB NUMBER	SHEET
DESCRIPTION: PROPOSED CONCRETE SALT SHED LOCATION	2005-0122	3 OF 10





NOTES

GENERAL

1. All work shall conform with all Federal, State, and Local Codes and Ordinances.

ROUGH CARPENTRY

1. Lumber shall conform to Product Standard PS-20 and shall be seasoned, surfaced four sides (s4s) and kiln dried to 19% moisture content as follows:
 Studs, plates, misc light framing: No.2 SPF $F_b = 875$ psi
 Joists, rafters, built-up beams: No. 2 or Construction or Stud Grade SPF
 Plates supporting trusses: Construction Grade SPF
 Preservative treated wood: No. 2 SYP

2. Set rough carpentry to required level and lines, with members plumb, true to line, cut and fitted to other construction.

Installation of sheathing shall comply with applicable recommendations in the American Plywood Association, (APA) Form No. E30K, "APA Design/Construction Guide, Residential & Commercial."

Securely attach rough carpentry work to substrate by anchoring and fastening in compliance with the table 2304.9.1, "Fastener Schedules for Structural Members in MBC. Subflooring shall be glued and nailed to wood framing. Wall and Roof sheathing shall be nailed or stapled to wood framing.

Install engineered wood products to comply with manufacturer's written instructions. Install metal framing anchors to comply with manufacturer's written instructions.

3. Wood trusses shall be designed by the manufacturer in accordance with ANSI/TPI 1-1995, "National Design Standard for Metal-Plate-Connected Wood Truss Construction" and NDS-1997, "National Design Specification for Wood Construction."

Drawings bearing the seal of an engineer registered in the State of Michigan and showing the truss design and all applied loads shall be provided prior to fabrication.

The fabricator shall submit documentation demonstrating an agreement with and independent agency providing for periodic inspections at the fabricator's plant at a frequency to assure conformance to the requirements of the agency's approved quality assurance program.

Wood trusses shall be handled, erected and braced in accordance with Truss Plate Institute, HIB-81 "Handling, Installing & Bracing Metal Plate Connected Wood Trusses".

4. Preservative treated lumber shall conform to American Wood Preservers Association (AWPA) Standard C2 or C3, "...preservative treatment by pressure process". preservative treated lumber shall be treated and labeled for the intended application.

All metallic fastener and framing anchors in contact with preservative treated wood shall be a minimum of hot dipped galvanized or stainless steel. Minimum levels of corrosion protection shall be as specified by the preservative treated wood supplier.

ELECTRICAL SYMBOLS

FANS SHALL BE 48" BELTED PANEL FANS SPF TYPE AS MANUFACTURED BY GREENHECK OR APPROVED EQUAL. THE FANS SHALL HAVE A CAPACITY OF 1500 CFM AT 125 IF STATIC PRESSURE STANDARD AIR AND BE EQUIPPED WITH A 3/4 HP. MOTOR

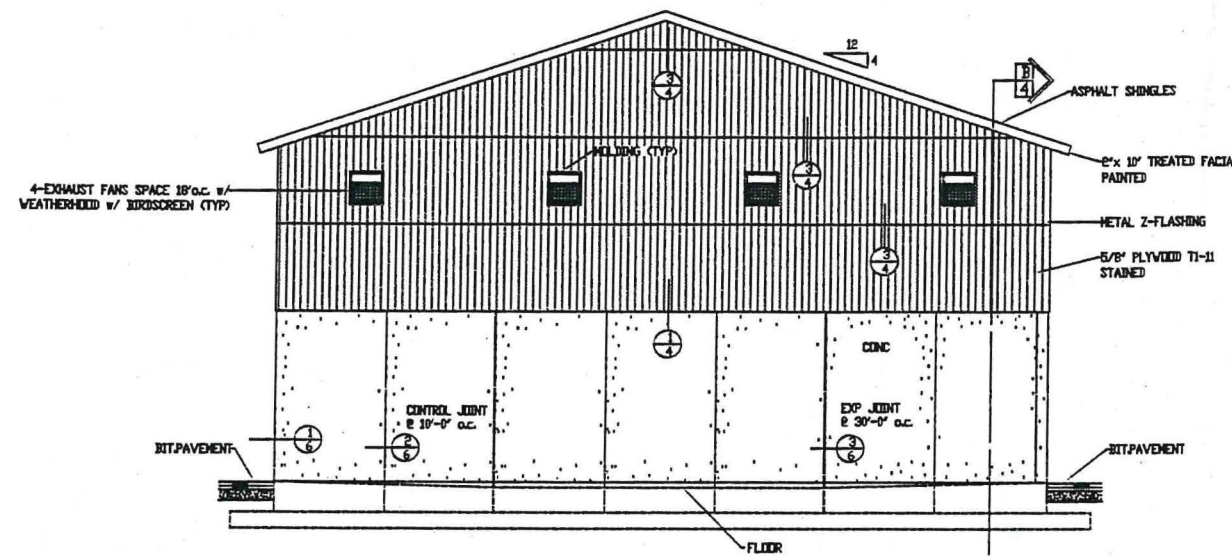
FLOOR PLAN

1/8" = 1'-0"

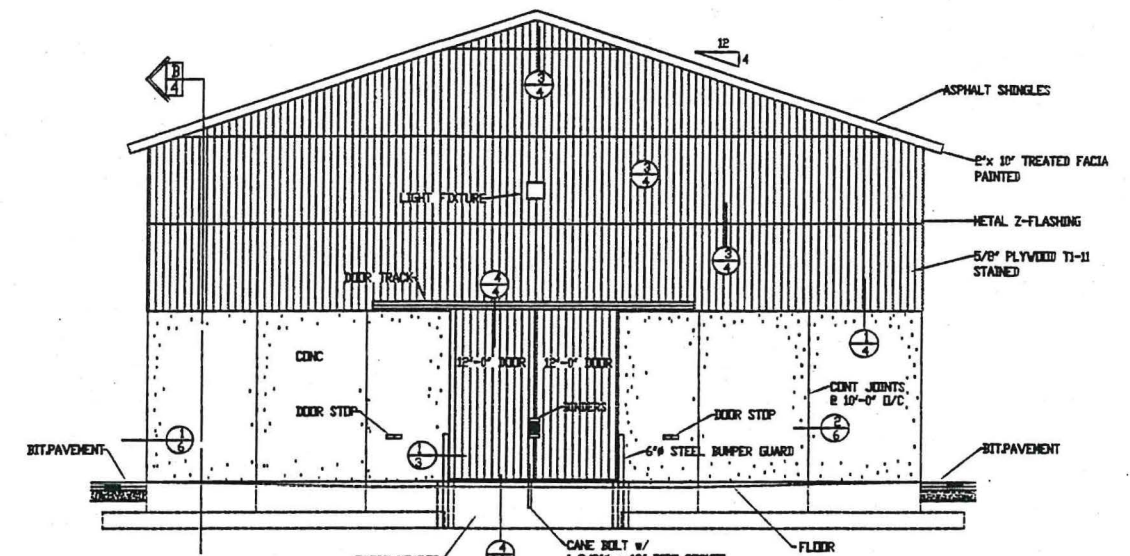
BUILDING CRITERIA

MBC 2003 w/ IBC 2003	
USE GROUP CLASSIFICATION: S-2	
CONSTRUCTION TYPE: 5B	
OCCUPANCY LOAD: N/A	
SOIL BEARING PRESSURE: 2000 PSF	
ROOF LOADS:	
GROUND SNOW LOAD, P:	60 psf
SNOW EXPOSURE FACTOR, C:	1.0
SNOW LOAD IMPORTANCE, I:	1.0
THERMAL FACTOR, C:	1.1
FLAT ROOF SNOW LOAD, P:	46.2 psf
ROOF TRUSS LOADING:	
LL TOP CHORD:	46.2 psf
DL TOP CHORD:	15 psf
DL BOTTOM CHORD:	10 psf
TOTAL LOAD:	71.2 psf
UNBALANCED SNOW LOAD PER MBC1608.6	

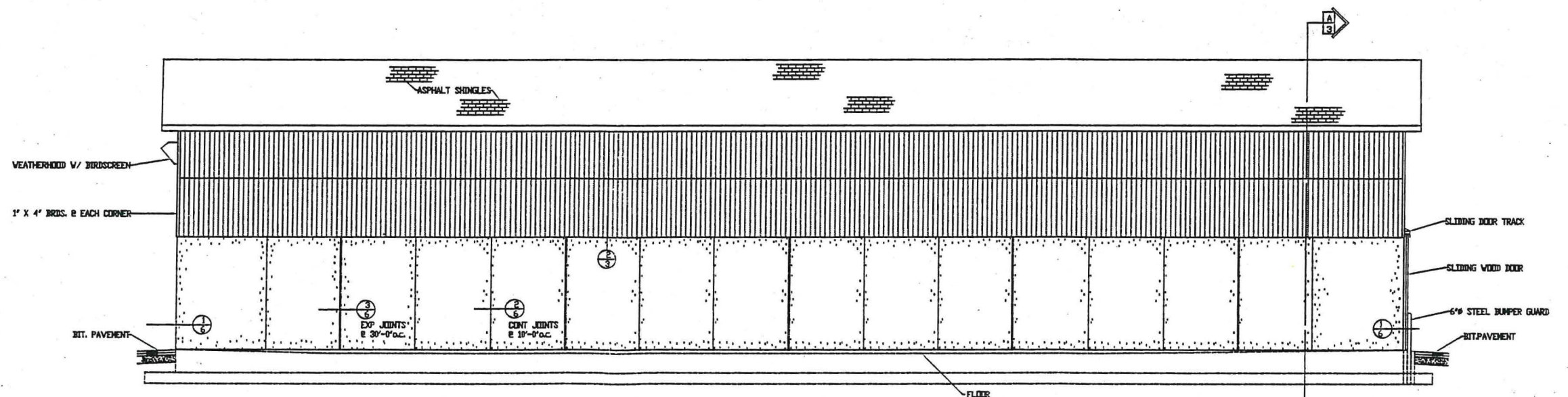
CONCRETE SALT STORAGE BUILDING				SHEET	
ROSCOMMON COUNTY ROAD COMMISSION				4 OF 10	
PRELIM.	☐ DRAWN BY: J. R. J.	DATE: 9/18/00	REVISIONS	ACCOUNT NO.	
CONST.	☐ CORR. BY: J. R. J.	DATE: 10/02/00	6/24/05 RCRC		
FINAL REC.	☐ CHECKED BY: J. R. J.	DATE:			
DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES			TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN		



E-3
N.T.S.
REAR ELEVATION

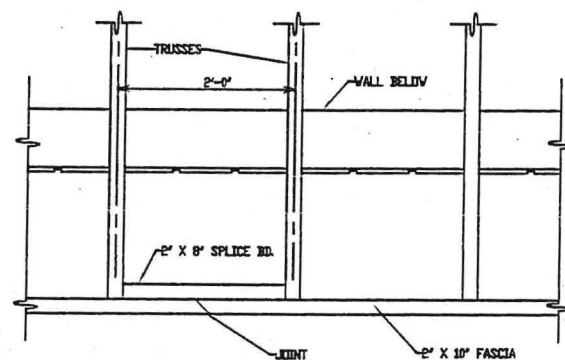


E-1
N.T.S.
FRONT ELEVATION

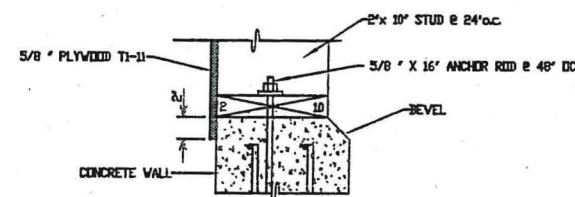


E-2
N.T.S.
SIDE ELEVATION

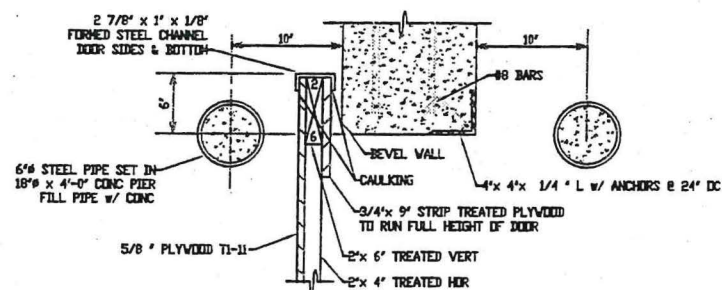
CONCRETE SALT STORAGE BUILDING				SHEET	
ROSCOMMON COUNTY ROAD COMMISSION				5 of 10	
PRELIM.	☐ DRAWN BY: RLR/ACE/AJU	DATE: 9/18/00	REVISION:	ACCOUNT NO.	
CONST.	☐ CORR. BY: ELH-J	DATE: 10/02/00	6/24/05 RCRC		
FINAL REC.	☐ CHECKED BY:	DATE:			
	☐ APPR. BY:	DATE:			
DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES			 TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDINGS LANSING, MICHIGAN		



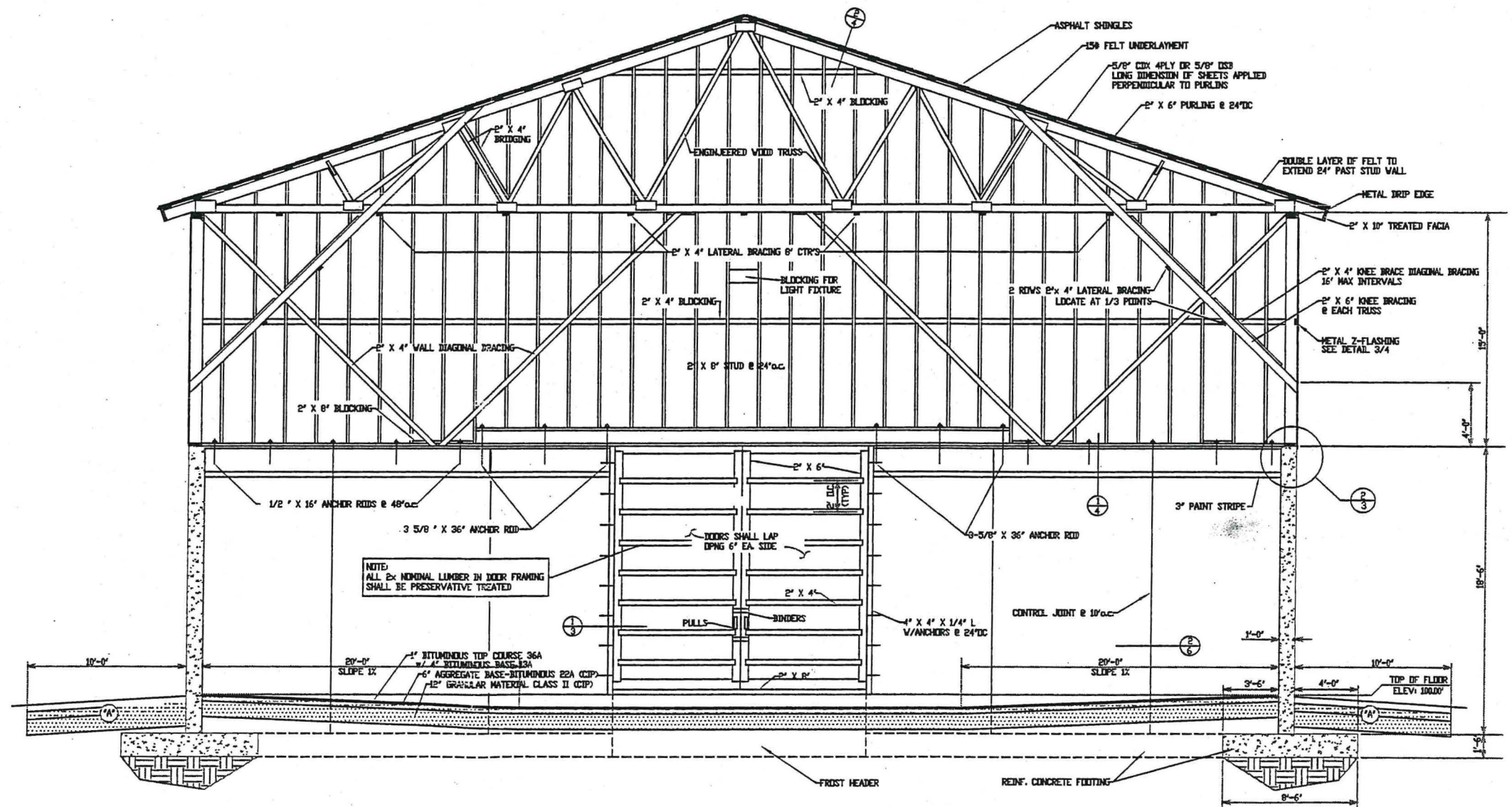
FASCIA SPLICE DETAIL
1/2" = 1'-0"



DETAIL-SILL PLATE
1 1/2" = 1'-0"



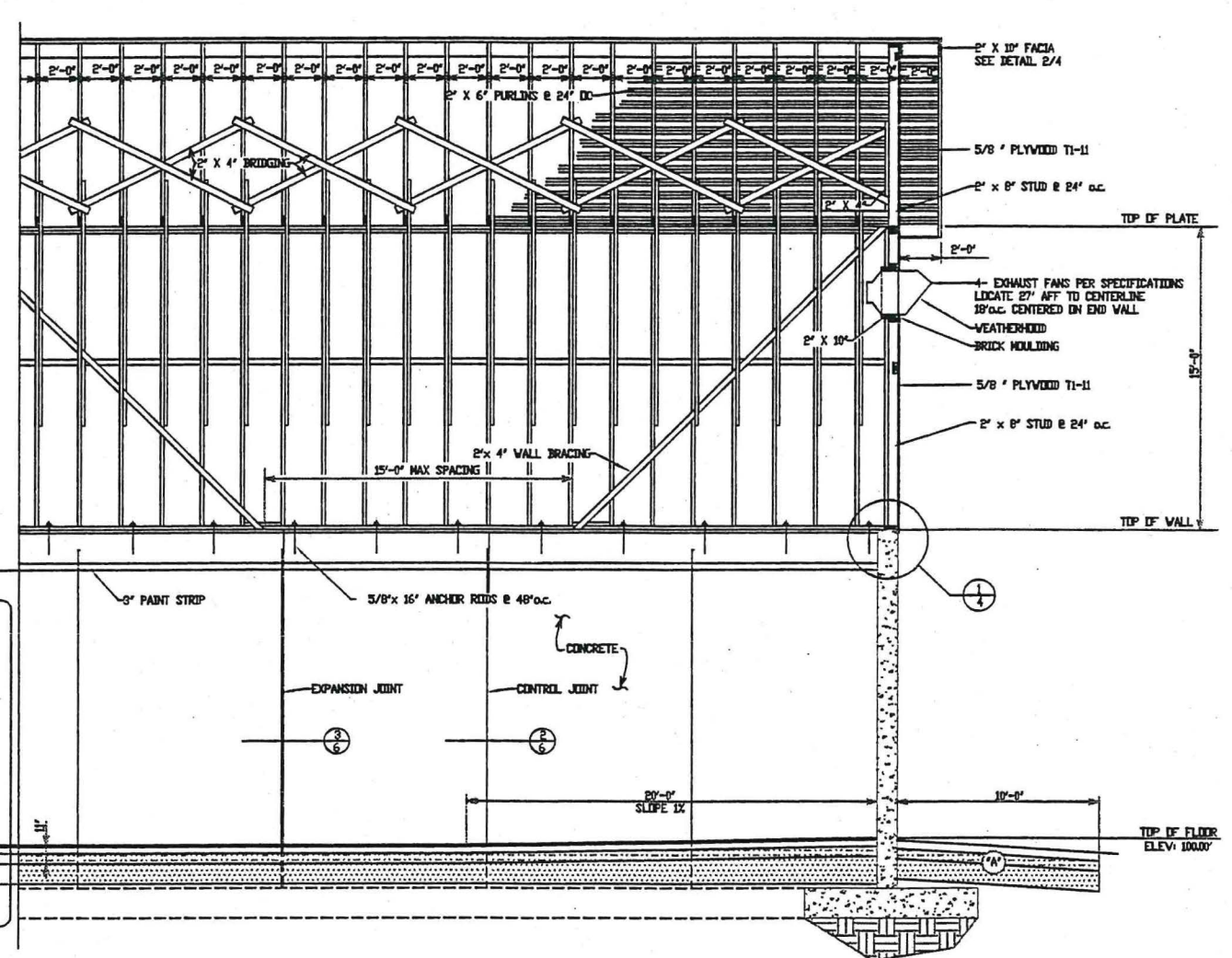
DETAIL-DOOR EDGE
1 1/2" = 1'-0"



SECTION 3-A
1/4" = 1'-0"

KEY OF MATERIALS			
CONCRETE		BITUMINOUS BASE	
ROUGH W.D.		AGGREGATE BASE BITUMINOUS	

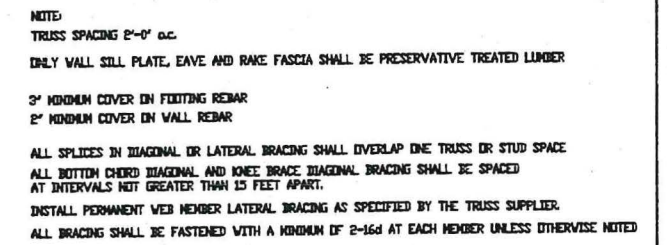
ROSCOMMON COUNTY ROAD COMMISSION 820 E. WEST BRANCH PRUDENVILLE, MI		CONCRETE SALT STORAGE BUILDING ROSCOMMON COUNTY ROAD COMMISSION		SHEET 6 OF 10	
DEPARTMENT OF TRANSPORTATION APPROVAL		PRELIM. ☐ DRAWN BY: JBR/ADU DATE: 9/18/99 CORR. BY: ELJ-1 DATE: 10/29/99 CONST. ☐ ENCLBY: DATE: 6/24/05 RCRC FINAL REC. ☐ APPR. BY: DATE:		ACCOUNT NO.	
APPROVED BY: _____ DATE: _____ APPROVED BY: _____ DATE: _____ RECOMMENDED FOR: _____ DATE: _____ APPROVAL BY: _____ DATE: _____		DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES		TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN	



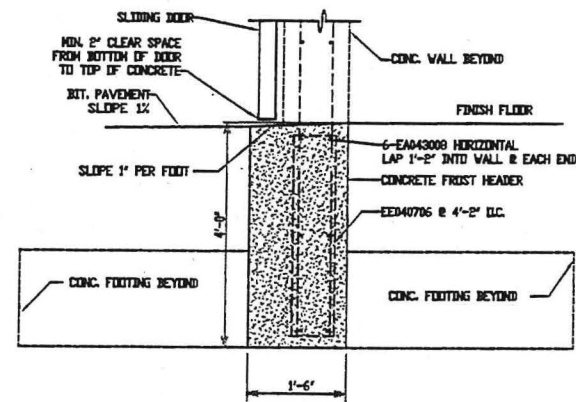
DETAIL-DOOR FRAMING
NTS

DETAIL-Z-FLASHING

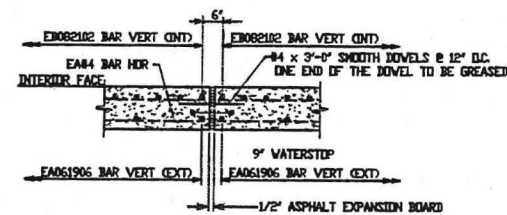
		CONCRETE SALT STORAGE BUILDING						SHEET	
		ROSCOMMON COUNTY ROAD COMMISSION						7 OF 10	
DEPARTMENT OF TRANSPORTATION APPROVAL			PRELIM.	☐ DRAWN BY RORRACE/AJD	DATE	9/18/90	REVISIONS	ACCOUNT NO.	
			CONST.	☐ CORR. BY EL-L	DATE	10/09/93	6/24/05 RCRC		
			FINAL REC.	☐ CHECKED BY _____	DATE				
				☐ APPR. BY _____	DATE				
APPROVED BY _____ DATE _____			DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES			 TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN			
APPROVED BY _____ DATE _____									
RECOMMENDED FOR APPROVAL BY _____ DATE _____									

$$\frac{1}{2}'' = 1'-0''$$

$$1/2' = 1' - 0$$

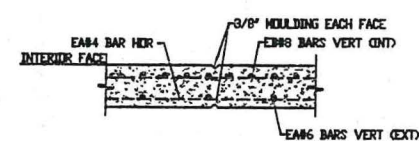
CONCRETE SALT STORAGE BUILDING ROSCOMMON COUNTY ROAD COMMISSION				SHEET 8 of 10	
PREP'D. ☐ DRAWN ☐ REVISION/ADD. ☐ DATE: 9/28/95		REVISIONS		ACCOUNT NO.	
CORR. BY: E.L.J.		DATE: 10/09/95		6/24/05 RCRC	
FINAL REC. ☐		DATE:			
APP'D. BY:		DATE:			
DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES				TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN	



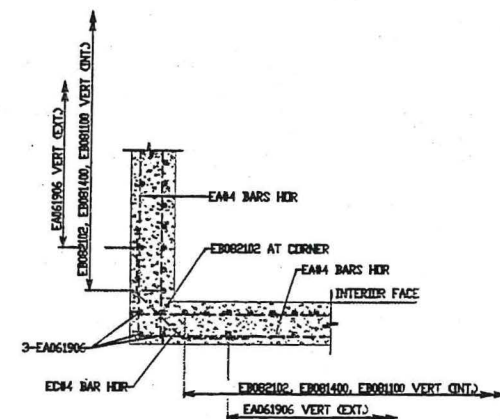
DETAIL-FROST HEADER
SCALE: 3/4" = 1'-0"



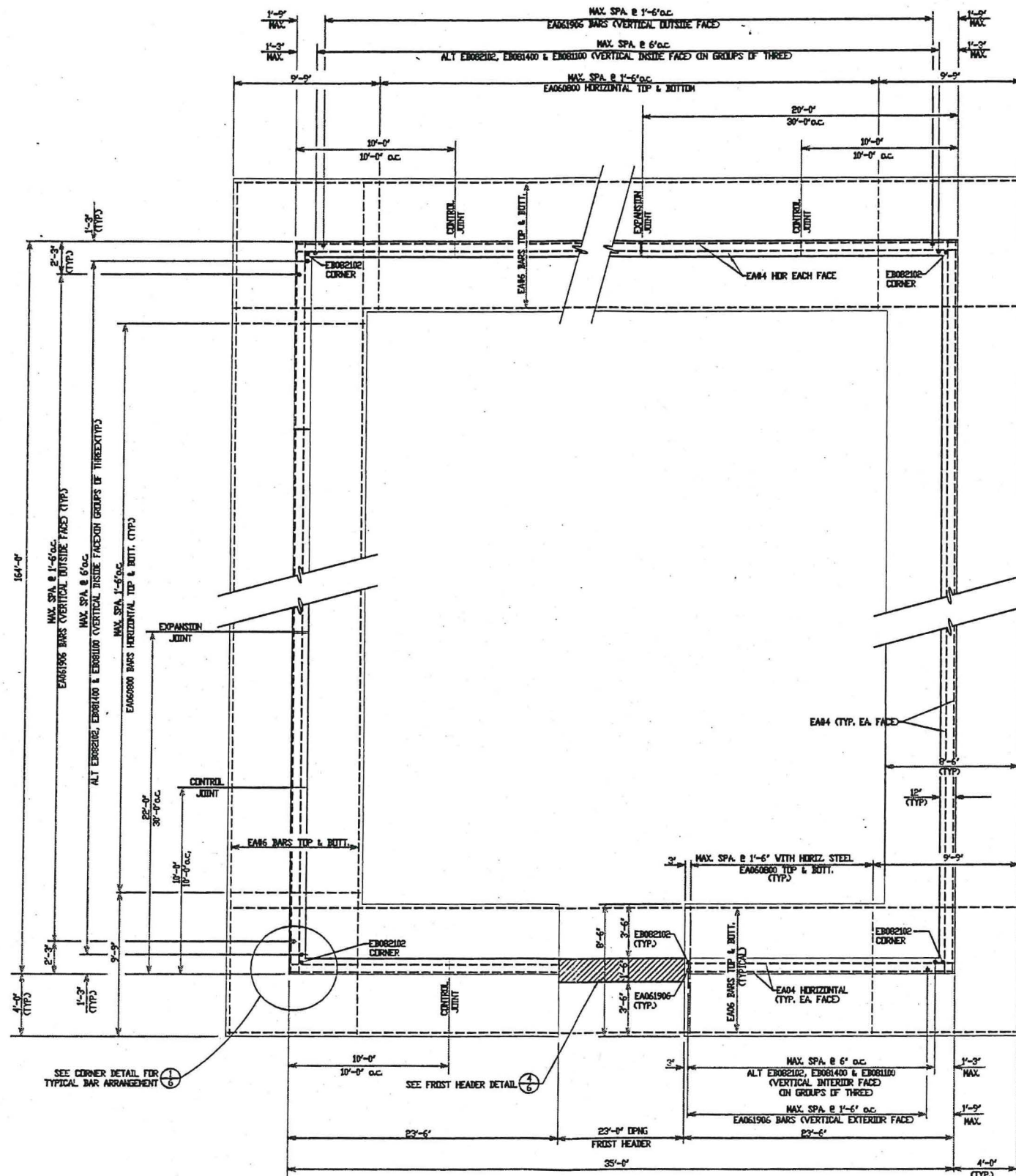
DETAIL-EXPANSION JOINT
SCALE: 1/2" = 1'-0"



DETAIL-CONTROL JOINT
SCALE: 1/2" = 1'-0"



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

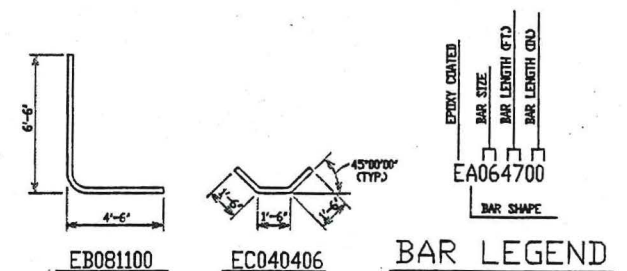
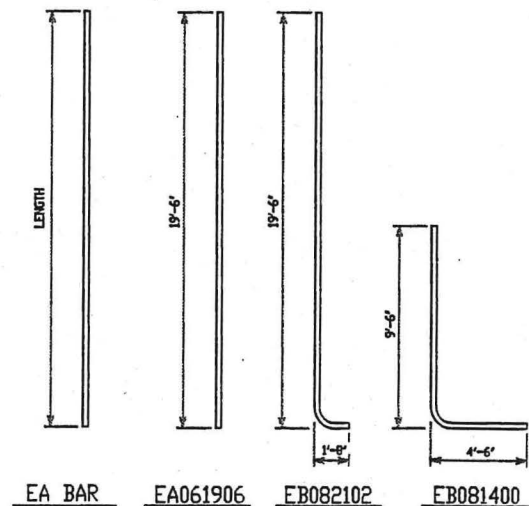


FOUNDATION & WALL PLAN

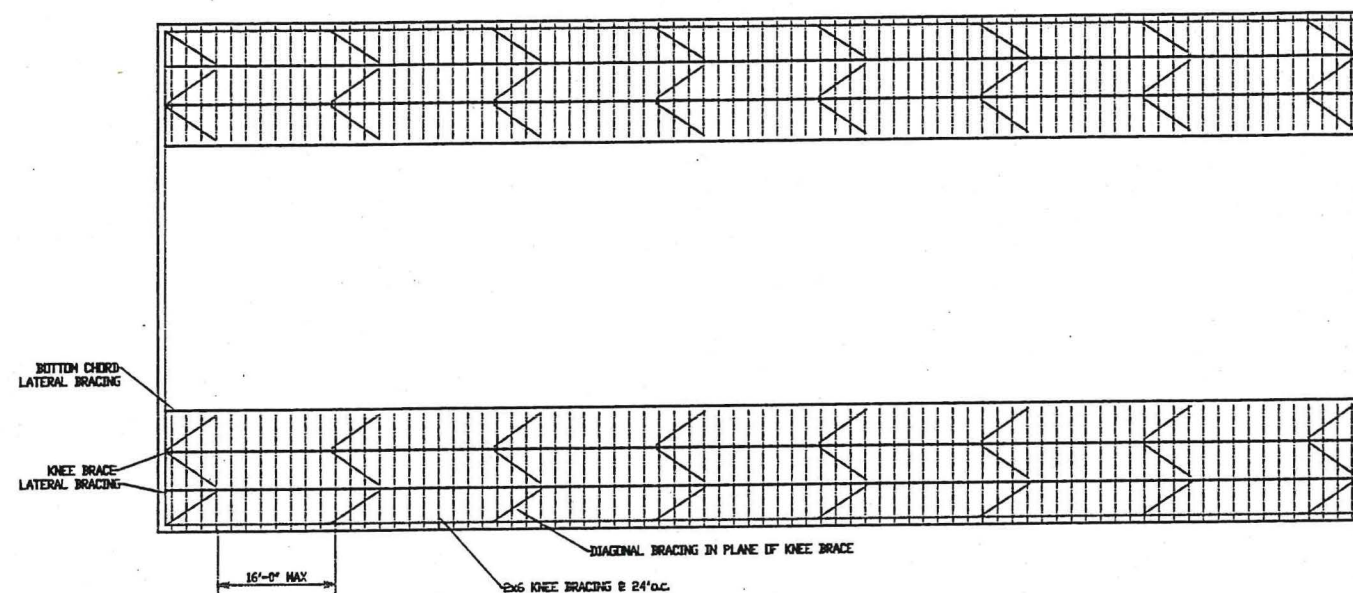
NOTE: EXPANSION JOINT DOWELS SHALL BE #4 SMOOTH BAR EPOXY COATED

REQUIRED BAR LAP

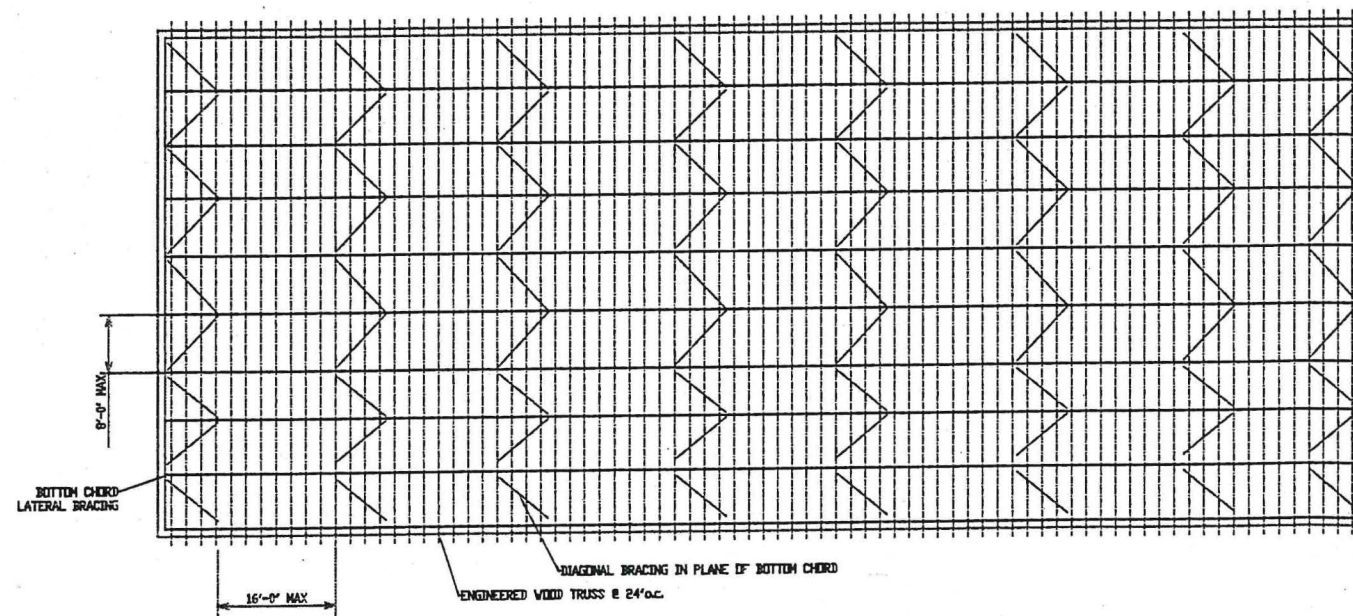
BAR SIZE	VERTICAL BARS	HORIZONTAL BARS
#4	N/A	19"
#6	28"	28"
#8	61"	N/A



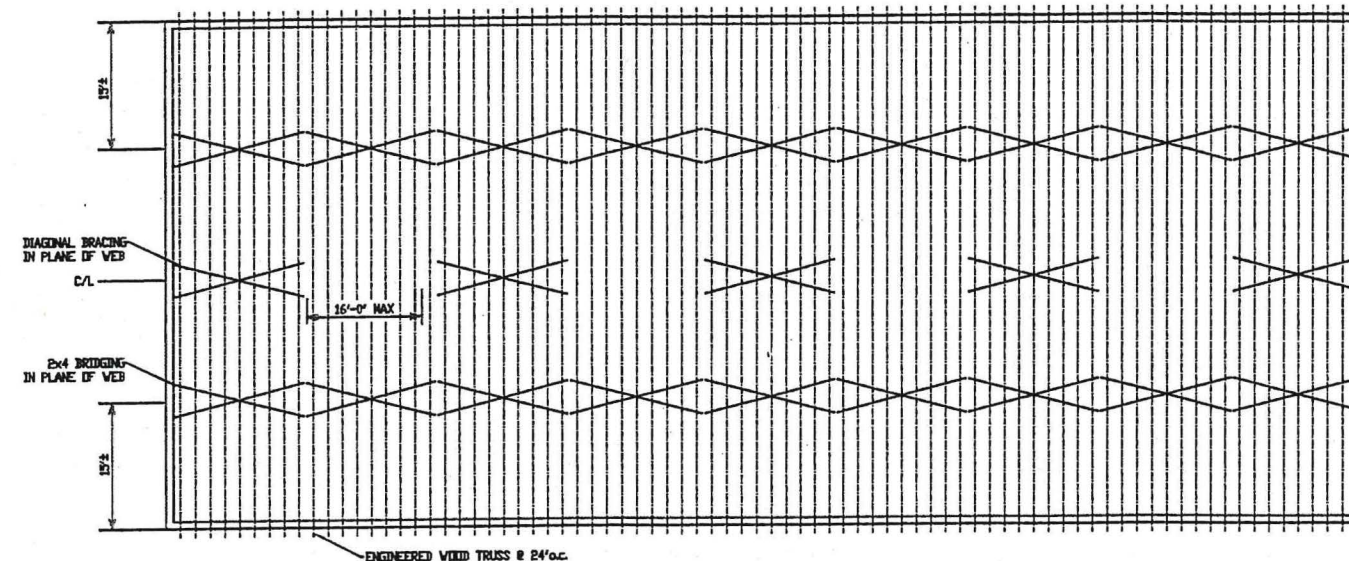
CONCRETE SALT STORAGE BUILDING				SHEET	
ROSCOMMON COUNTY ROAD COMMISSION				9 of 10	
FIELD:	DESIGN:	DATE:	REVISION:	ACCOUNT NO.	
CONST.:	BY: E.L.	DATE: 10/27/05	6/24/05 RCRC		
FINAL REC.:	APPROV. BY:	DATE:			
DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES			TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN		



PLAN-KNEEWALL BRACE LATERAL & DIAGONAL BRACING
N.T.S.



PLAN-TRUSS BOTTOM CHORD LATERAL & DIAGONAL BRACING
N.T.S.



PLAN-WEB BRIDGING AND DIAGONAL BRACING
N.T.S.

NOTE:
TRUSS SPACING 2'-0" o.c.
ALL SPLICES IN DIAGONAL OR LATERAL BRACING SHALL OVERLAP ONE TRUSS OR STUD SPACE
ALL BOTTOM CHORD DIAGONAL AND KNEE BRACE DIAGONAL BRACING SHALL BE SPACED AT INTERVALS NOT GREATER THAN 16 FEET APART.
INSTALL PERMANENT WEB MEMBER LATERAL BRACING AS SPECIFIED BY THE TRUSS SUPPLIER.
ALL BRACING SHALL BE FASTENED WITH A MINIMUM OF 2-16d AT EACH MEMBER UNLESS OTHERWISE NOTED
LATERAL AND DIAGONAL BRACING SHALL BE NO 2 SPF IN THE LONGEST LENGTH AVAILABLE
ALL BRACING AND BRIDGING SHALL BE SECURELY ANCHORED AT THE END WALLS.
ALL BRACING AND BRIDGING SHALL BE PERMANENTLY INSTALLED IN SEQUENCE AS THE TRUSSES ARE PLACED.

CONCRETE SALT STORAGE BUILDING				SHEET	
ROSCOMMON COUNTY ROAD COMMISSION				10 of 10	
PRELIM.	☐ DRAWN BY	DATE	9/18/05	REVISION	
CONST.	☐ CORR. BY	DATE	10/02/05	6/24/05 RCRC	
FINAL. REC.	☐ CHECKED BY	DATE			
	☐ APPROVED BY	DATE			
DEPARTMENT OF MANAGEMENT AND BUDGET BUREAU OF FACILITIES			 TECHNICAL SERVICES DIVISION PROPERTY MANAGEMENT SECTION TRANSPORTATION BUILDING LANSING, MICHIGAN		