



# 9.0 S P E C I F I C A T I O N S

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- 9.10 TRASH CONTAINER SIGNAGE
- 9.11 HAND SOAP

Wisconsin Rest Area Maintenance (RAM) Program  
***Specifications Introduction***

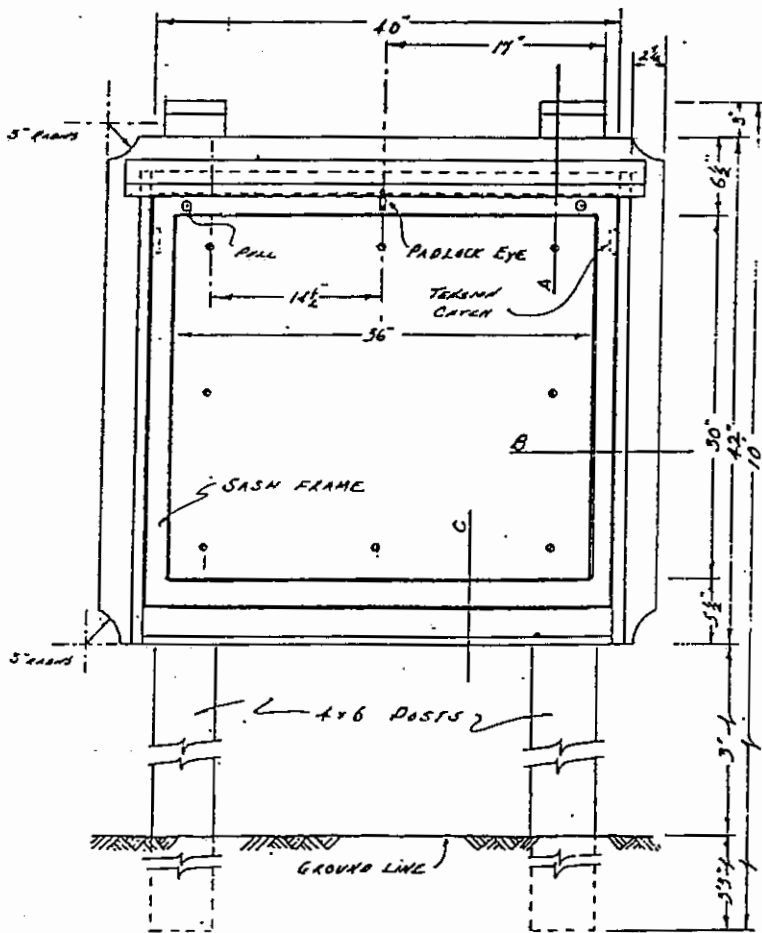
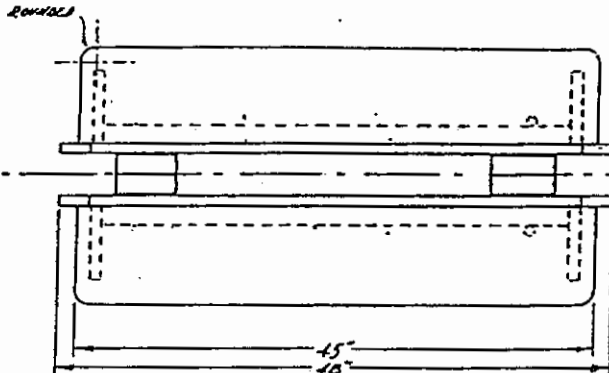
In delivering maintenance services to WisDOT properties, work centers will always assure that the repair and replacement work will result in conformity to the original design as built or as existing at the time of the repair or replacement. Any changes to the equipment, components surface coatings, or any physical plant and structure shall be repaired and replaced with a like kind. Any changes other than the repair or replacement of an existing component with a like kind must be approved by DSPN and/or WisDOT before proceeding.

# ***MAP CASE***

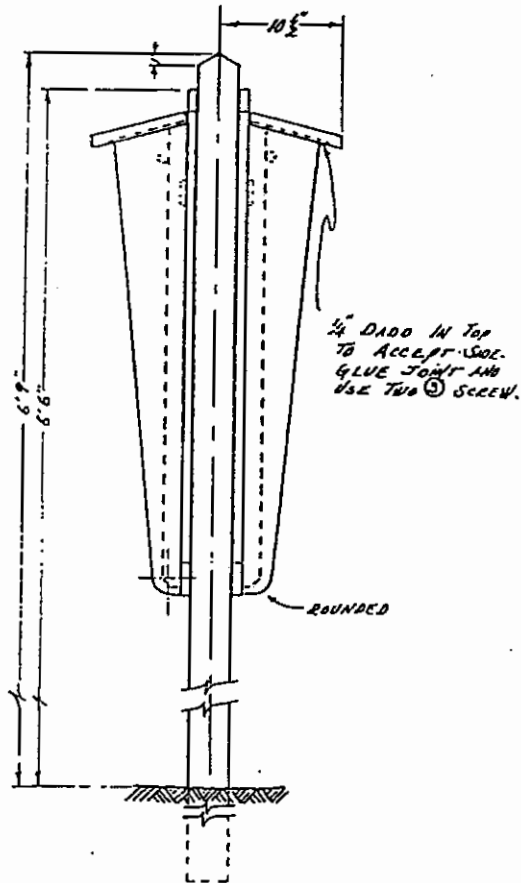
## LIST OF MATERIALS

Lumber				Hardware and other			
No.	Unit	Size	Description	No.	Unit	Size	Description
2	Each	3/4" x 42" x 48"	Hydopak molding board	2	Each	1/8" x 31 1/4" x 37 1/4"	Clear plastic panel
2	Each	1/2" or 5/8" x 10" x 26"	Cork board	-	-	-	Waterproof glue
4	Each	1" x 6" x 39" x 10" x 26"	Side panel	12	Each	412 x 2"	Wood screw
2	Each	1" x 8 1/2" x 45"	Top panel (roof)	16	Each	410 x 1 3/4"	Wood screw
-2	Each	1 1/2" x 2 1/4" x 40"	Bottom rail	30	Each	68 x 1 3/4"	Wood screw
2	Each	1 1/2" x 2" x 40"	Top rail	14	Each	88 x 1 1/4"	Wood screw
2	Each	1 1/2" x 2" x 40"	Sash top	36	Each	67 x 1"	Wood screw
4	Each	1 1/2" x 2 1/2" x 40"	Sash bottom	4	Each	-	Tension catch complet
4	Each	1 1/2" x 2" x 34"	Sash side	4	Each	3/4" diameter	Hardwood pull complet
4	Each	3/4" x 3/4" x 37 1/2"	Holding strip	-	-	-	with bolt washer & nu
4	Each	3/4" x 3/4" x 31 1/2"	Holding strip	4	Each	-	Padlock Eyes (complet
2	Each	4" x 6" x 10"	Support posts	4	Each	-	with screws)
Note				2	Each	2" x 36"	Continuous Hinges
		0'-0" nominal		2	Each	108"	Weatherstrip
		0'-0" actual		2	Coats	-	Wood preservative sta

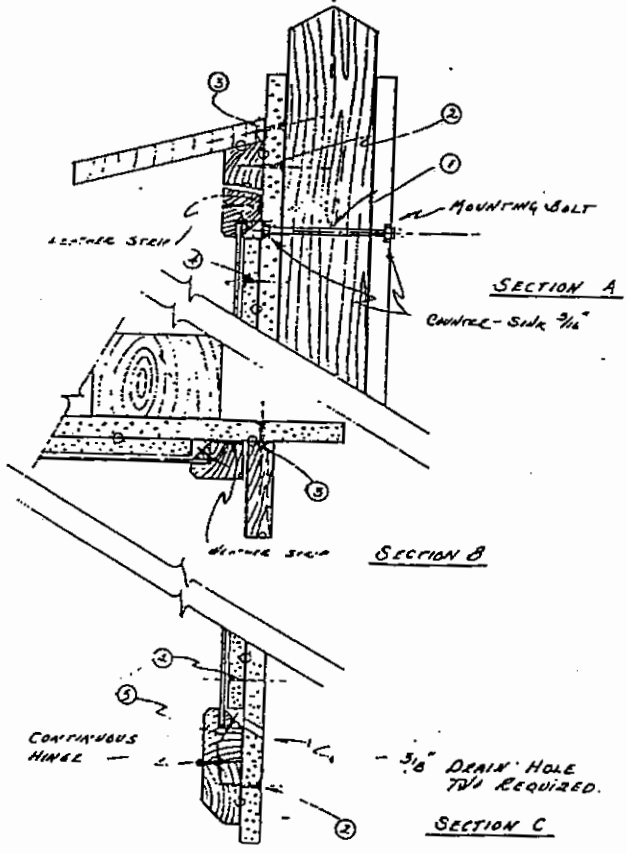
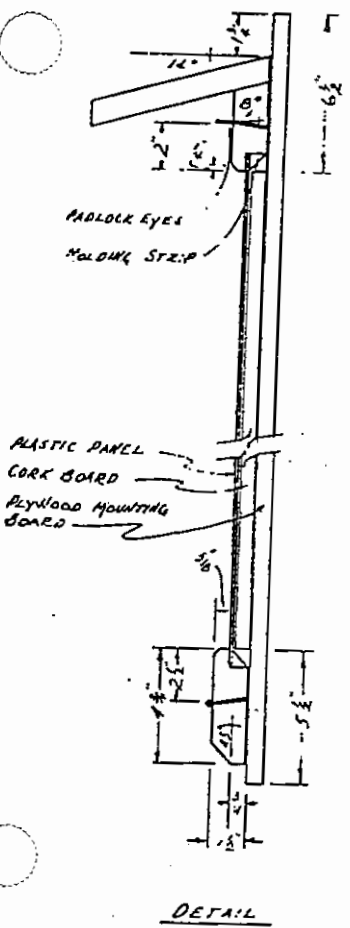
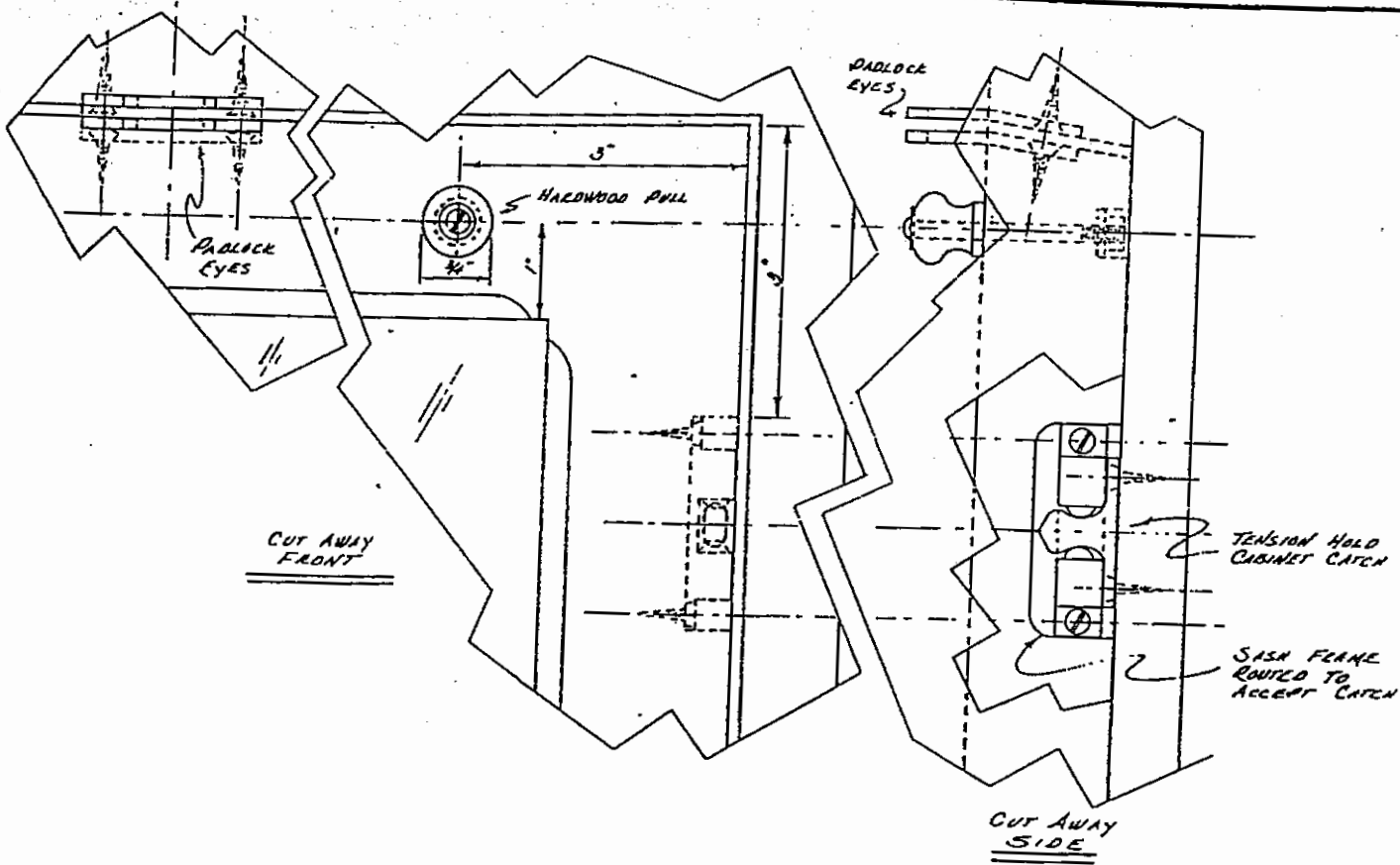
### PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION



- LEGEND**
- o Waterproof Glue
  - ① 7/8 x 5" Carriage Bolt
  - ② # 10 x 1 3/4" wood screw
  - ③ # 8 x 1 3/4" wood screw
  - ④ # 8 x 1 1/2" wood screw
  - ⑤ # 7 x 1" wood screw

NOTE: Wood screw ④ - SPACE THREE SCREWS ALONG TOP AND BOTTOM OF CORK BOARD AND ONE EACH MIDWAY ON EACH SIDE.

WAYSIDE INFORMATION BOARD

STATE of WISCONSIN  
DEPARTMENT of TRANSPORTATION

2/20/76  
11/2/79  
1/18/85

# Wayside Painting

The individual pre-paint preparation instructions are listed below. A list of appropriate paint colors follows at the end of the pre-paint activities.

## Wayside Toilet Building

Finishing interior and exterior surfaces:

### **A. CEILINGS**

1. Ceiling Preparation
  - a. Clean ceiling members (boards, rafters, plates, T-11, etc.), skylight, light fixtures, etc. of all dirt, dust, cobwebs, wasp nests, etc.
  - b. Scrape off any loose paint. Wash, using sponge or brush with a solution of tri-sodium phosphate (see reference).
2. Painting Ceiling (Temp. 50° minimum)

Estimated quantity per building: 1 gal.

- a. Apply to ceiling members and boards above block walls. This may be applied with brush, or roller. Paint may be thinned as necessary with Deodorine Thinner.
- b. Use Deodorine Thinner to dilute and remove most paint from equipment or for storing brushes overnight or for short periods. For longer periods wash brushes in detergent and water after removing from thinner.

### **B. INTERIOR WALLS**

1. Interior Wall Preparation
  - a. Clean walls of all dirt, dust, gum, mud, etc.
  - b. Scrub walls with a tri-sodium phosphate solution to remove film and dirt. If masonry is glazed or heavily soiled a muratic acid solution may be more effective in preparing the surface for painting. A portable steam cleaner may also be used. Be sure walls are thoroughly rinsed before painting. Walls need not be dry before applying the block filler.
  - c. If walls were previously painted, rough up the painted surfaces with sandpaper or other suitable abrasive before applying block filler.
2. Painting Interior Walls:
  - a. Apply Block Filler (Temp. 50° min. during application, if necessary):  
Estimated quantity per building: 4 to 5 gals.
    - Use a stiff brush. Cross brush to fill porous surface of blocks. Use generously on masonry wall surfaces only.

- Use soap or detergent and water to clean equipment.
- b. Estimated paint quantity per building: 2 to 3 gals. (Plan to mix only as much paint as can be used in a working day.)
- Surface must be dry.
  - Provide adequate ventilation.
  - Apply a generous uniform coat to all inside wall surfaces.

Note: Plan to apply a second coat to surface not covered with block filler as it will strengthen the color.

### **C. DOORS, WINDOW FRAMES**

1. Preparation of doors and window frames.

These should be cleaned, loose paint removed and the surface should be sanded to remove sheen.

2. Painting doors and window frames.

Estimated quantity: 1 gal. (or less)

- a. Apply paint to the door and window frames.
- b. Use Deodorine to thin if necessary.
- c. Do in conjunction with painting walls - either before, after or between coats when painting walls.

### **D. PARTITIONS**

1. Preparation of Partitions

These should be cleaned, loose paint removed and the surface should be sanded to remove sheen.

2. Painting Partitions

- a. Apply paint to partitions. (See Section 9.2; Page 4 if metal)
  - Use Deodorine to thin if necessary.
  - Do in conjunction with painting walls - either before, after or between coats when painting walls.

### **E. EXTERIOR BLOCK WALLS**

1. Preparation of exterior block walls.

The walls should be clean but they need not be completely dry. If building has been previously painted or if masonry is soiled the walls should be cleaned with a tri-sodium phosphate solution and rinsed prior to painting.

2. Painting exterior block walls (Temp. 50° to 70° optimum)

Estimated quantity per building: 3 gals.

- a. Mix paint and apply like any latex house paint.
- b. Apply two coats to blocks.
- c. Clean equipment with soap and water.

#### **F. PICNIC TABLES**

1. Preparation of Picnic Tables.

These should be cleaned, loose paint removed and the surface should be sanded to remove sheen.

2. Painting Picnic Tables: If the picnic table is already painted, please repaint using the colors specified in this manual (Temp 50° to 70° optimum). If unpainted, apply primer, then paint.

Estimated quantity: 1 gal. (or less)

#### **G. WISDOT HISTORICAL MARKER PLAQUES**

1. Preparation of historical marker.
2. Painting historical markers, marker posts, bumpers, etc.

Paint Type:	Oil Based Enamel
Plaque Color:	Walnut Brown (Red Devil brand)
Lettering Color:	Almond (Red Devil brand)



## **FOR WAYSIDE RESTROOM BUILDINGS AND WAYSIDE OTHER STRUCTURES**

**COLOR:** The following colors are recommended for use at your site. A paint stick is available as a reference in choosing appropriate colors. Please contact DSPN to request one. Most paint stores are able to identify or match paint colors if you provide them with a sample. Please refer to the sample paint stick and paint specifications at the end of this section. **REMEMBER** — Your painting job will only be as good as your preparation.

**IF YOU HAVE ANY QUESTIONS OR ARE UNABLE TO LOCATE THE APPROPRIATE PAINT COLORS, PLEASE CONTACT THE DSPN OFFICE AT 608/661-2917.**

### **RESTROOM INTERIOR – WALLS, CEILINGS, & PARTITIONS (WOOD OR CONCRETE)**

Note: For metal partitions, use radiator/boiler paint in white.

Color: Sherwin-Williams “Alabaster” SW 7008  
Can be applied in latex gloss or epoxy gloss

### **RESTROOM DOORS & DOOR TRIM**

Color: Sherwin-Williams “Twisted Branch” C SW 2056  
Apply in oil base gloss

### **RESTROOM FACIA, SOFFITS AND WINDOW TRIM AND MAP CASES, WELL SHELTERS AND PICNIC TABLES**

Color: Sherwin-Williams “Twisted Branch” C SW 2056  
Apply in latex gloss

### **RESTROOM EXTERIOR – BLOCK WALLS**

Color: Sherwin-Williams “Canberra” TWT SW 2016  
Apply in latex flat

### **GRILLS (Do Not Paint Grill Grate)**

Color: Radiator/Boiler paint in black.

## WAYSIDE BUILDING PAINT COLOR SPECIFICATIONS

Below you will find the mixing specifications for the paint colors to be used for the wayside restroom and structures. Sherwin-Williams stores or another paint vendor you use should be able to mix the proper colors based on these formulas even if the color name and number has changed over time.

NOTE: You will need to specifically instruct the paint mixing person as to the finish (gloss, semi-gloss, flat) and the medium (latex, epoxy) that you desire. The sample paint stick may be used for the paint vendor to match.

STORE #: 3045 TINT-A-COLOR (ta)  
 Sherwin-Williams 3/25/02  
 100 PERCENT STRENGTH

2056\*R TWISTED BRANCHED

COLORANT	OZ	32	64	128
B1 Black	4	14	-	-
R2 Maroon	-	36	-	-
W1 White	2	25	-	-
Y3 Deep Gold	2	50	-	-

ONE GALLON

Custom Color Non Returnable

\*\*\*\*\* WHERE TO GET IT! \*\*\*\*\*  
 CAUTION: TO ASSURE  
 CONSISTENT COLOR ALWAYS  
 ORDER ENOUGH PAINT TO  
 COMPLETE THE JOB AND  
 INTERMIX ALL CONTAINERS OF  
 THE SAME COLOR BEFORE  
 APPLICATION. CUSTOM MIXED  
 COLORS MAY VARY SLIGHTLY  
 FROM COLOR STRIP OR COLOR  
 CHIP. THIS PAINT CANNOT BE  
 RETURNED OR EXCHANGED.

MIXED BY: \_\_\_\_\_

STORE #: 3045 TINT-A-COLOR (ta)  
 Sherwin-Williams 3/25/02  
 100 PERCENT STRENGTH

2016\*R CANBERRA\*EW

COLORANT	OZ	32	64	128
B1 Black	-	41	-	-
R2 Maroon	-	16	-	-
Y3 Deep Gold	-	62	-	-

ONE GALLON

Custom Color Non Returnable

\*\*\*\*\* WHERE TO GET IT! \*\*\*\*\*  
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MIXED BY: \_\_\_\_\_

STORE #: 3045 TINT-A-COLOR (ta)  
 Sherwin-Williams 3/25/02  
 100 PERCENT STRENGTH

7008 ALABASTER

COLORANT	OZ	32	64	128
N1 Raw Umber	-	-	1	1
Y3 Deep Gold	-	1	-	-

ONE GALLON

Custom Color Non Returnable

\*\*\*\*\* WHERE TO GET IT! \*\*\*\*\*  
 CAUTION: TO ASSURE  
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 RETURNED OR EXCHANGED.

MIXED BY: \_\_\_\_\_

# ***PICNIC TABLE SPECIFICATIONS***



# ***TIMBER POSTS***



# ***WAYSIDE BUILDING***

**A. Building Signage (as of May 2001)**

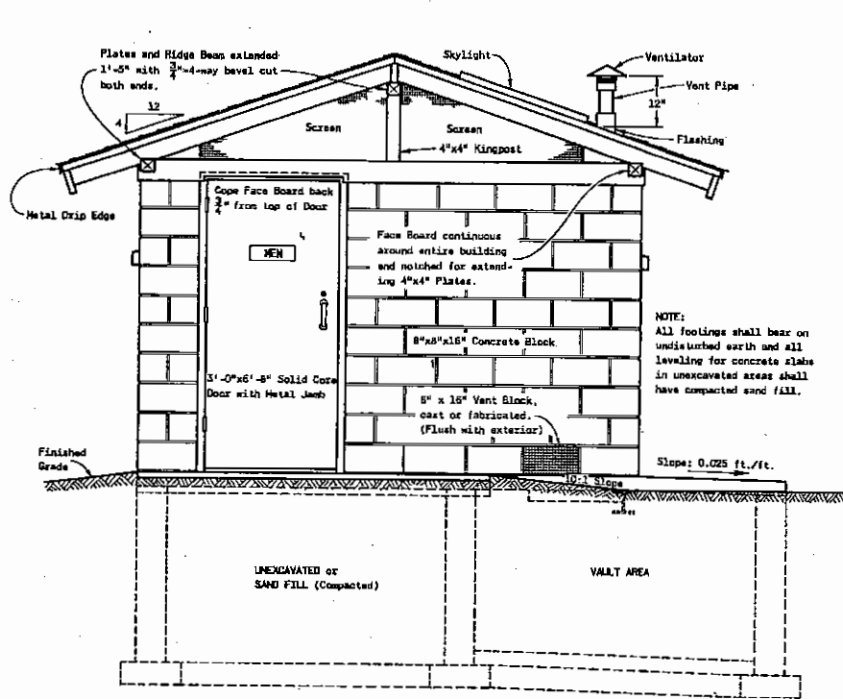
1. Use only brown plastic 6" W x 9" H international symbol signs with braille (men/women).
  - a. One appropriate gender sign on restroom door, centered and secured at 60" to top of sign.
  - b. One appropriate gender sign on front of building secured at 60" to top of sign and 3" from corner of building.

**B. Wayside Building and Shelter Roof**

Often wayside restroom buildings and shelters are in very shady areas. Retention of moisture in the roof shingles sometimes happens in this circumstance, providing a growth area for moss and lichens.

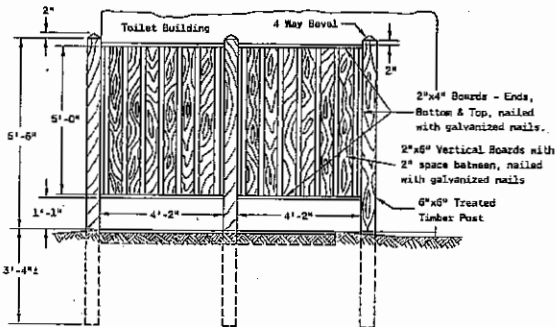
To combat moss and lichens on roof shingles, spray down the roof with a 50/50, bleach/water mixture. Do this as often as necessary to prevent growth of moss and lichens. In addition, install zinc strips under the top row of shingles on either side of the roof (assure the strips are exposed). Rain will spread zinc over the shingles and assist in retarding the growth of moss and lichens.





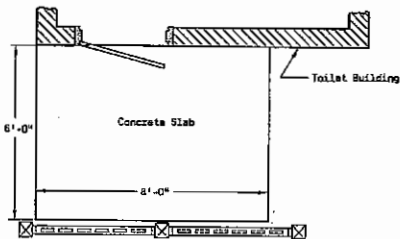
**RIGHT ELEVATION.**

NOTE: Left Side Elevation Identical

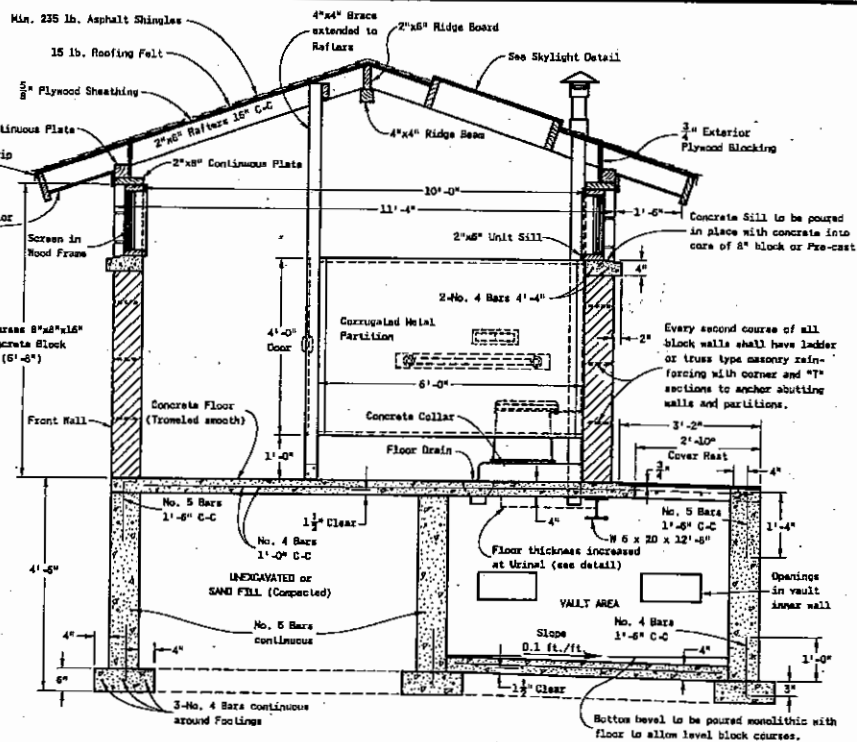


**SIDE VIEW**

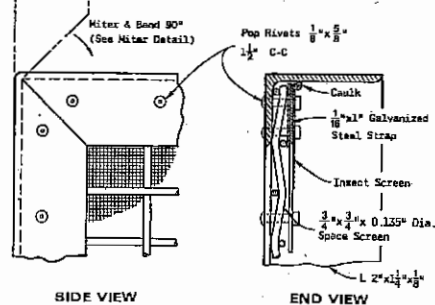
**DETAIL OF TOILET BUILDING VISION SCREEN**  
(WHEN REQUIRED BY SPECIAL PROVISION)



**PLAN VIEW**



**SECTION X-X**  
**TOILET BUILDING INTERIOR**

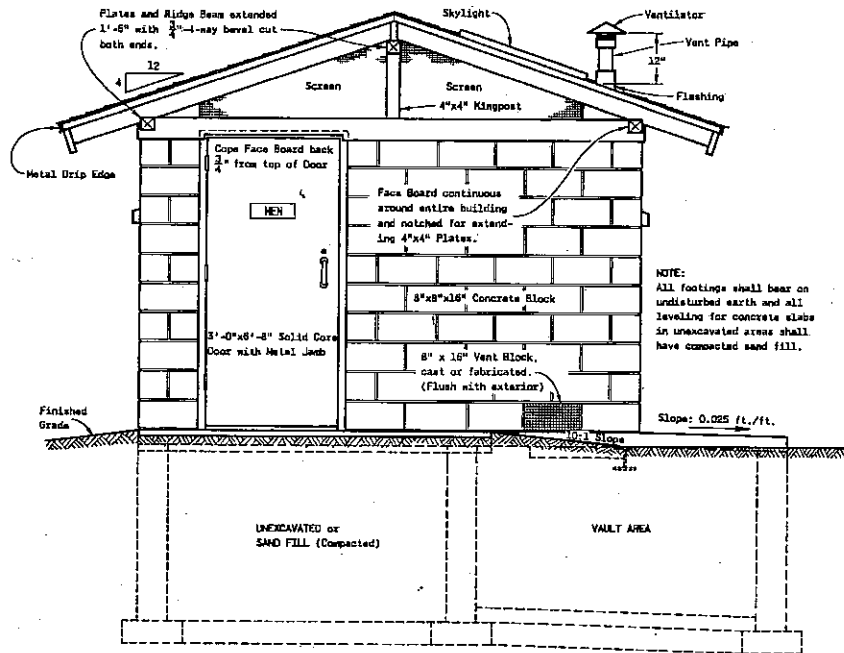


**FABRICATED VENT BLOCK**

NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.

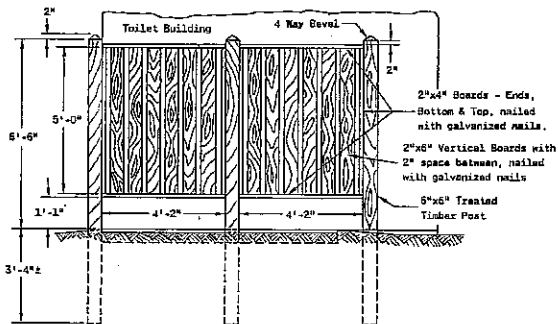
**TOILET BUILDING (WAYSIDES)**

State of Wisconsin  
Department of Transportation  
Division of Highways



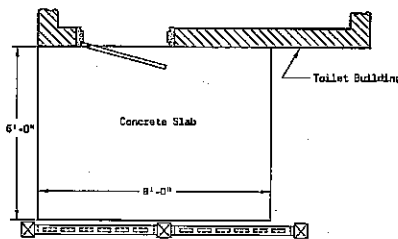
RIGHT ELEVATION

NOTE: Left Side Elevation Identical

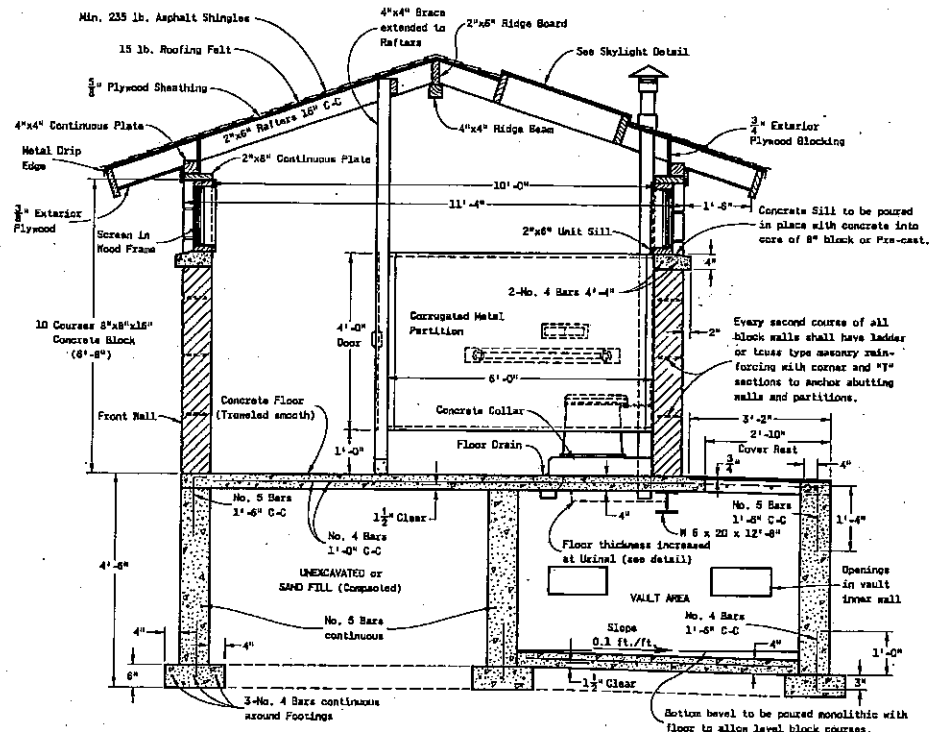


SIDE VIEW

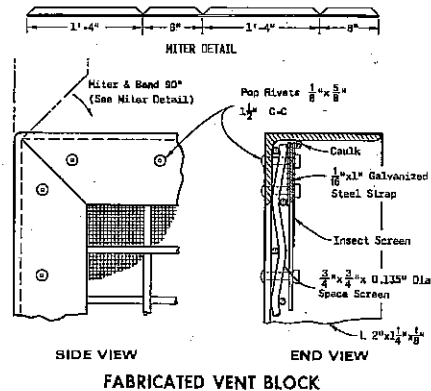
DETAIL OF TOILET BUILDING VISION SCREEN  
(WHEN REQUIRED BY SPECIAL PROVISION)



PLAN VIEW



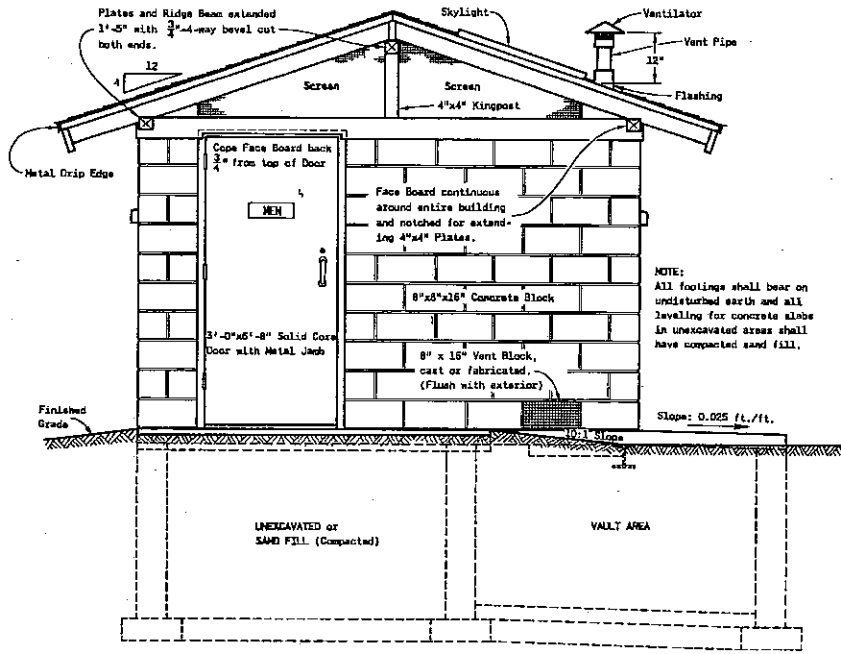
SECTION X-X  
TOILET BUILDING INTERIOR



NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.

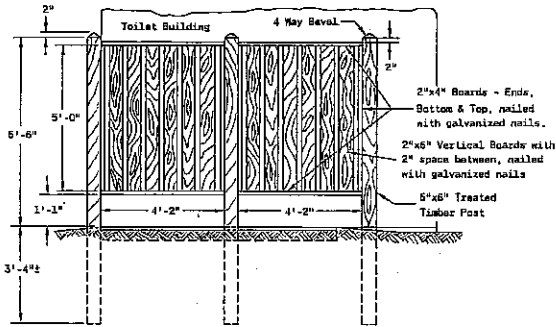
TOILET BUILDING (WAYSIDES)

State of Wisconsin  
Department of Transportation  
Division of Highways



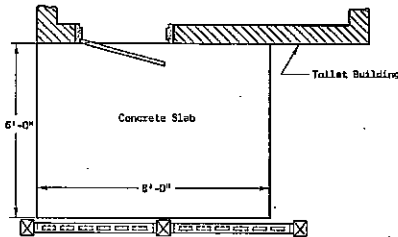
### RIGHT ELEVATION

NOTE: Left Side Elevation Identical

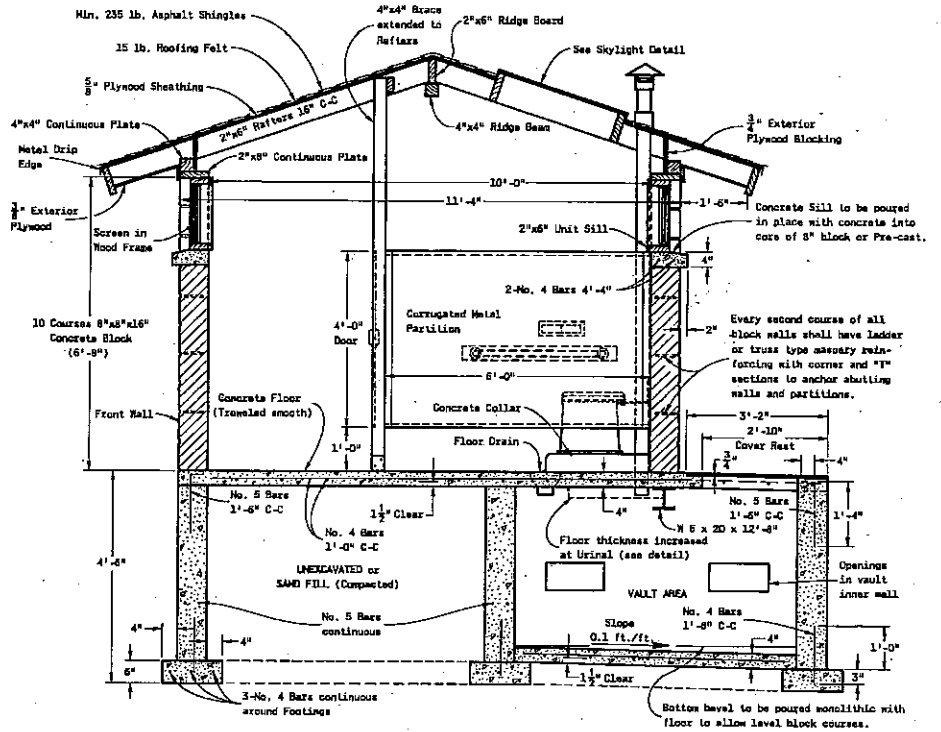


SIDE VIEW

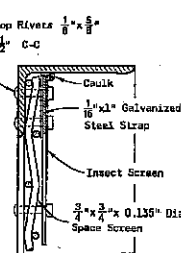
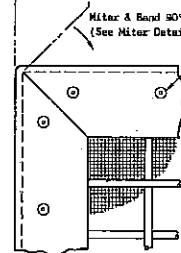
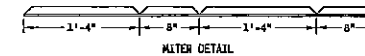
DETAIL OF TOILET BUILDING VISION SCREEN  
(WHEN REQUIRED BY SPECIAL PROVISION)



PLAN VIEW



### SECTION X-X TOILET BUILDING INTERIOR

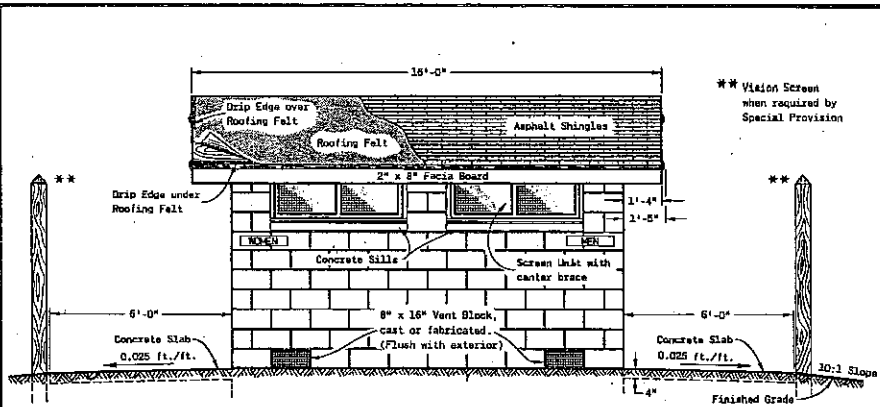


FABRICATED VENT BLOCK

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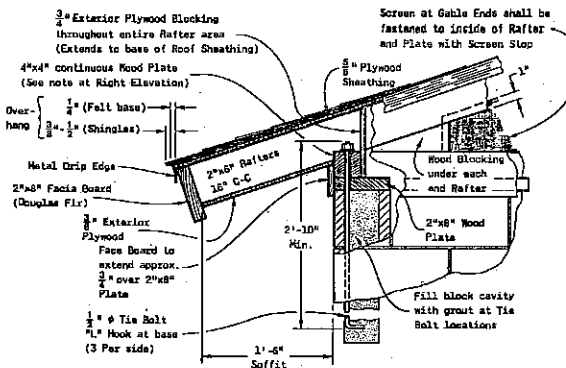
TOILET BUILDING (WAYSIDES)

State of Wisconsin  
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Division of Highways



FRONT ELEVATION

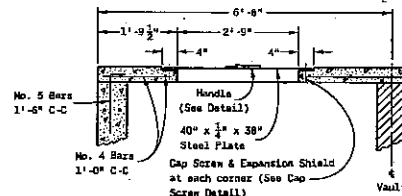
\*\* Vision Screen when required by Special Provision



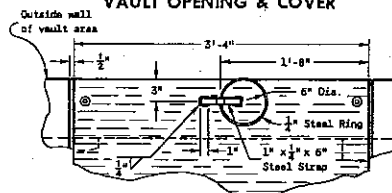
DETAIL OF SOFFIT AND GABLE END



CAP SCREW DETAIL

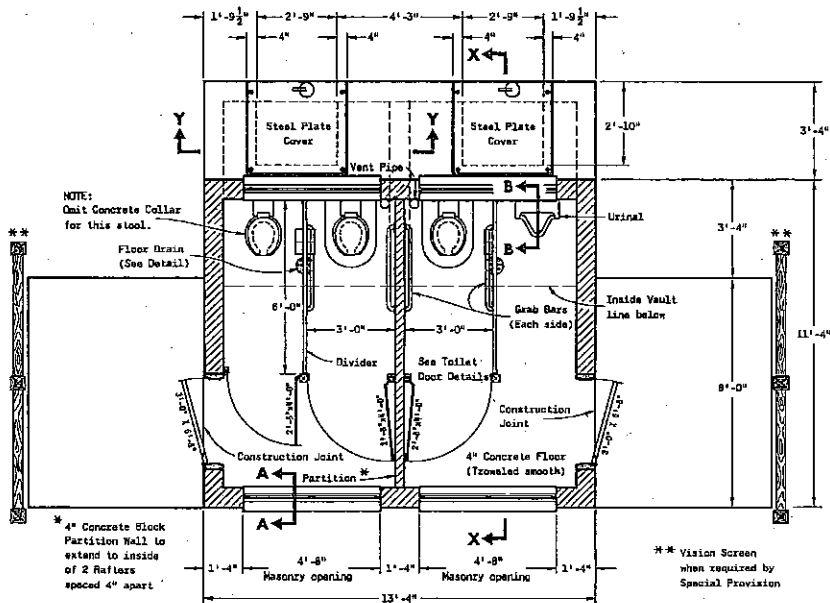


SECTION Y-Y  
VAULT OPENING & COVER



DETAIL OF VAULT COVER HANDLE

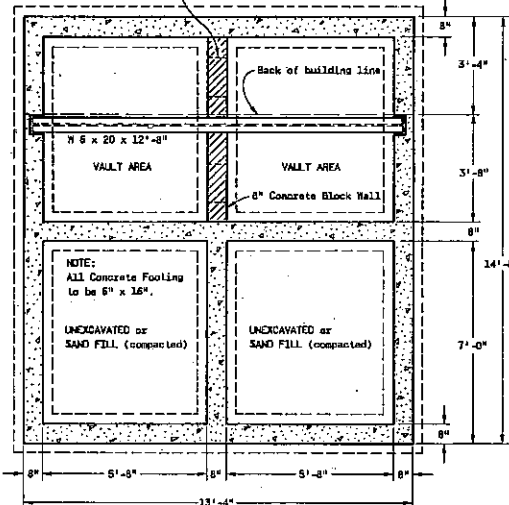
8" Concrete Block Wall shall have two 8" x 16" openings in the third course run to allow liquid to equalize throughout both vault areas. Bottom level to be poured monolithic with vault floor to allow level block courses.



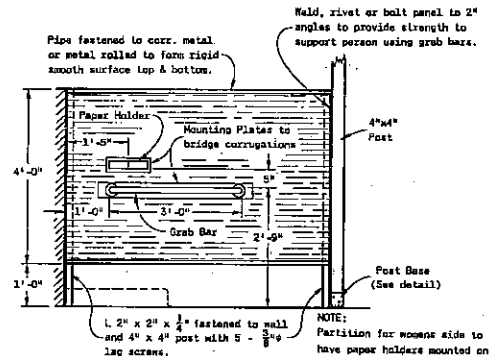
FLOOR PLAN

NOTE: Omit Concrete Collar for this stool.

\*\* Vision Screen when required by Special Provision



FOUNDATION & FOOTING PLAN

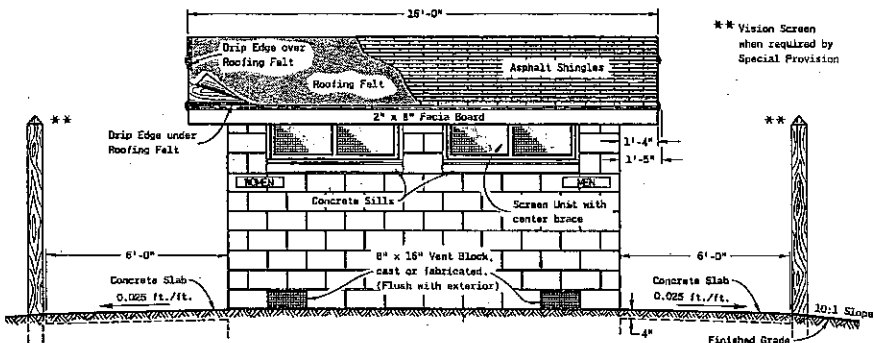


CORRUGATED METAL PARTITION DETAILS

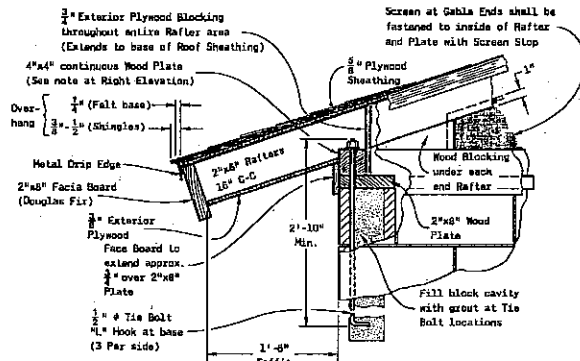
NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.

TOILET BUILDING (WAYSIDES)

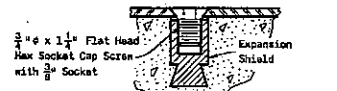
State of Wisconsin  
Department of Transportation  
Division of Highways



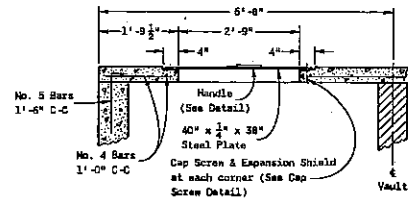
FRONT ELEVATION



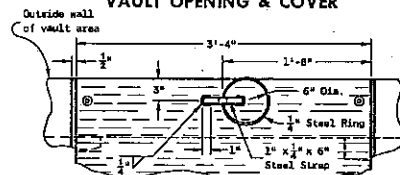
DETAIL OF SOFFIT AND GABLE END



CAP SCREW DETAIL

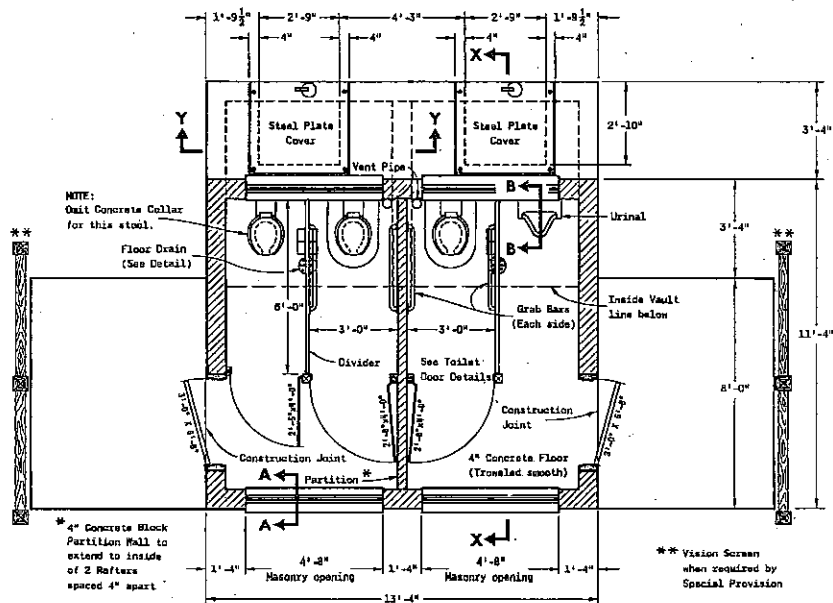


SECTION Y-Y VAULT OPENING & COVER

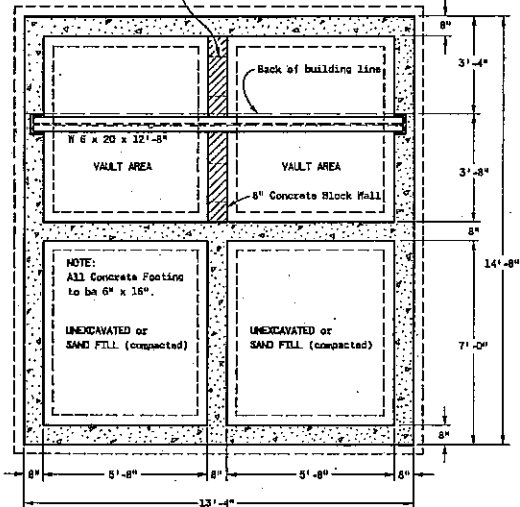


DETAIL OF VAULT COVER HANDLE

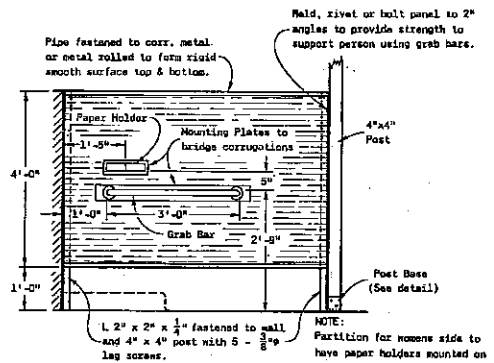
8" Concrete Block Wall shall have two 8" x 15" openings in the third course row to allow liquid to equalize throughout both vault areas. Bottom bevel to be poured monolithic with vault floor to allow level block courses.



FLOOR PLAN



FOUNDATION & FOOTING PLAN

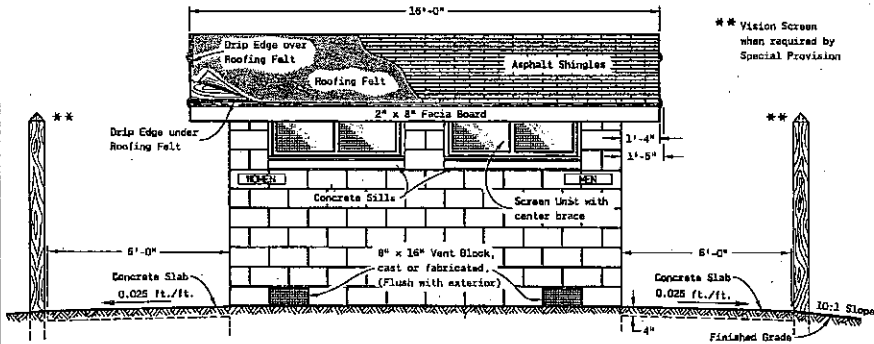


CORRUGATED METAL PARTITION DETAILS

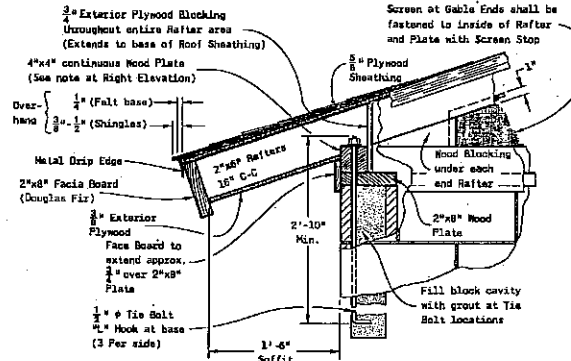
NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.

TOILET BUILDING (WAYSIDES)

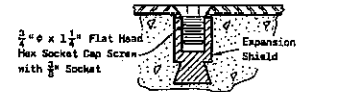
State of Wisconsin  
Department of Transportation  
Division of Highways



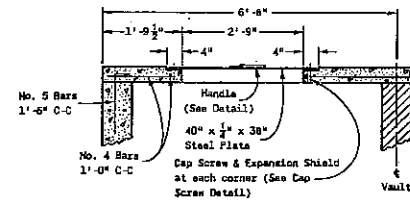
FRONT ELEVATION



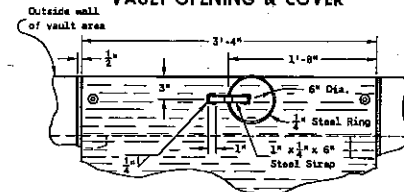
DETAIL OF SOFFIT AND GABLE END



CAP SCREW DETAIL

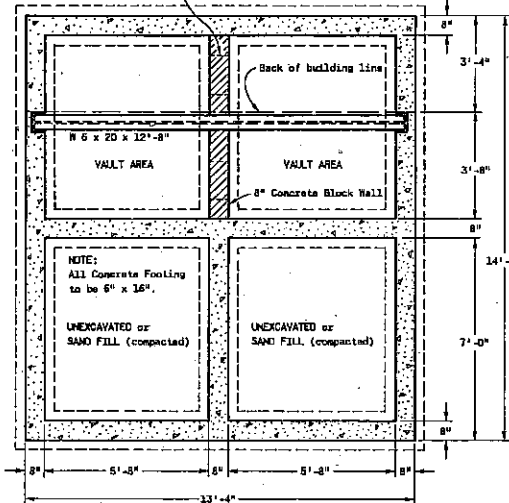


SECTION Y-Y  
VAULT OPENING & COVER

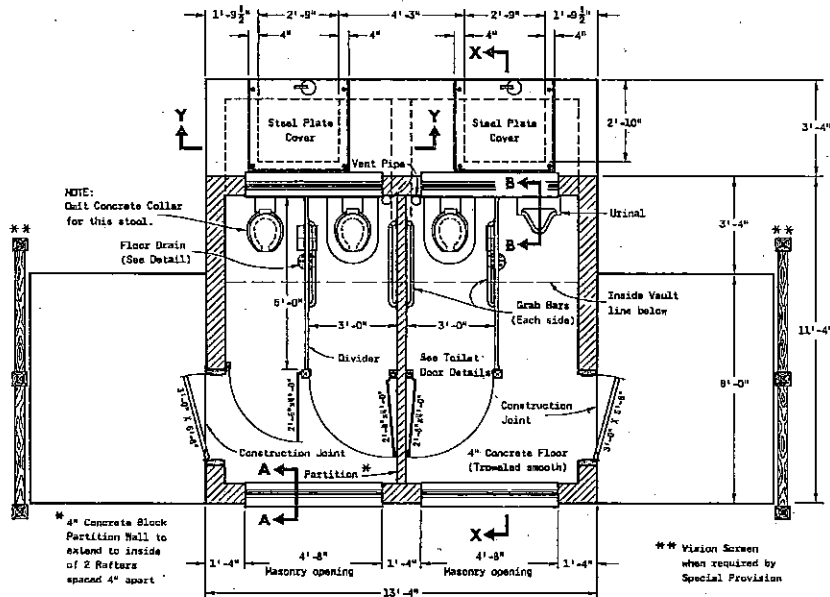


DETAIL OF VAULT COVER HANDLE

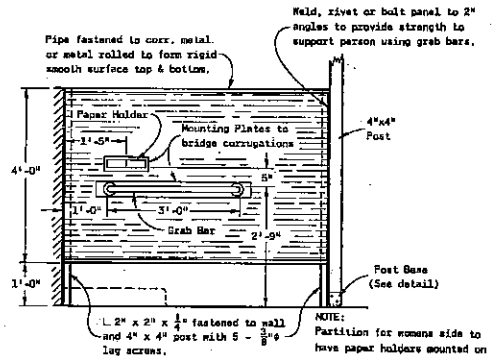
8" Concrete Block Wall shall have two 8" x 16" openings in the third course row to allow liquid to equalize throughout both vault areas. Bottom bevel to be poured monolithic with vault floor to allow level block courses.



FOUNDATION & FOOTING PLAN



FLOOR PLAN

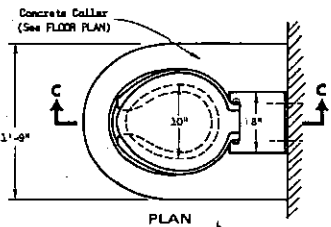


CORRUGATED METAL PARTITION DETAILS

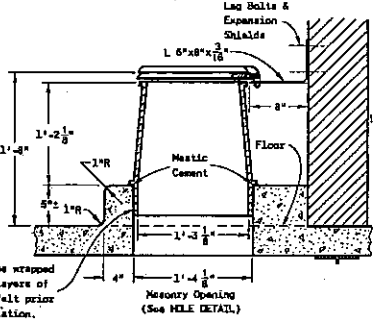
NOTE:  
THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.

TOILET BUILDING (WAYSIDES)

State of Wisconsin  
Department of Transportation  
Division of Highways

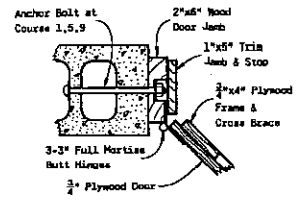


PLAN



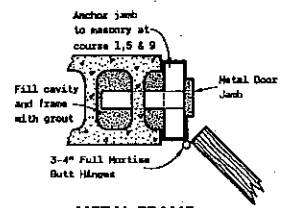
SECTION C-C

STOOL DETAILS



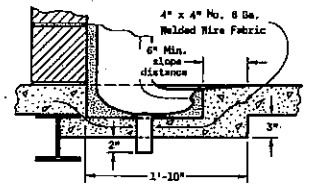
WOOD FRAME ALTERNATE

This is an alternate door frame unit and shall be used only if specified in the plans.



METAL FRAME

ENTRANCE JAMB DETAILS

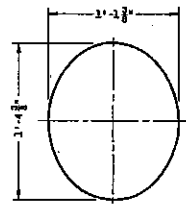


NOTE: Form floor for later installation of urinal. Urinal to be set 1/2 in. below finished floor and sloped to drain as shown.

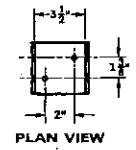
SECTION B-B

URINAL - FLOOR DETAIL

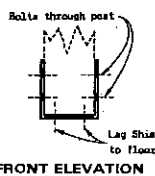
NOTE: Stool shall be installed so that the distance between stool and sidewalls is equal.



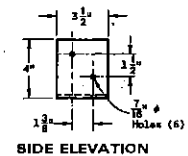
LAYOUT OF HOLE IN FLOOR FOR STOOL  
(Verify dimensions on manufacturer's toilet template layout)



PLAN VIEW



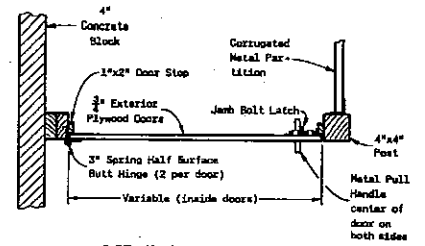
FRONT ELEVATION



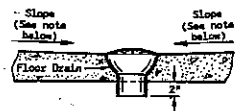
SIDE ELEVATION

POST BASE DETAILS

16 Ga. (0.0625" thick) galv. sheet metal bent to form base.



DETAIL AT TOILET DOOR



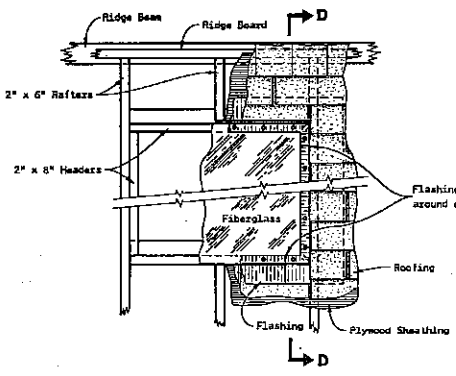
NOTE: Slope floor toward drain 1/8 in./ft. from 2 ft. away.

FLOOR DRAIN DETAIL

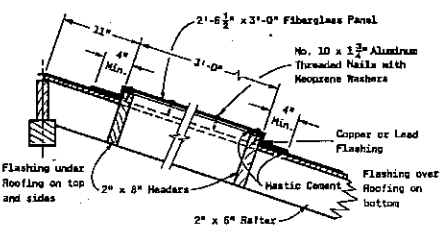
GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the sections of the Standard Specifications entitled "CONCRETE MASONRY, STEEL REINFORCEMENT, BRICK MASONRY AND CONCRETE BLOCK MASONRY, TIMBER STRUCTURES and PAINT AND PAINTINGS", and the applicable Special Provisions and / or in accordance with general construction practices approved by the Wisconsin Administrative Code of the Department of Industry, Labor and Human Relations.  
All material dimensions are nominal.

NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.



PLAN VIEW

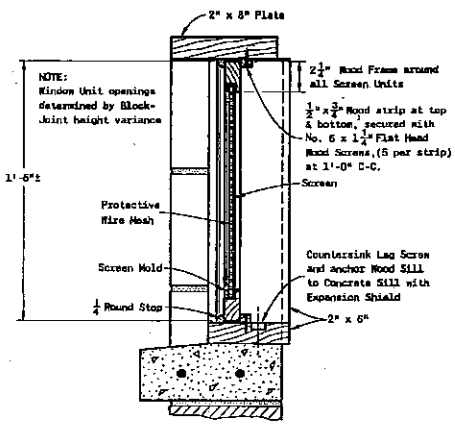


Install on same side as Ventilators. One Skylight to each section.

SECTION D-D

NOTE: Plastic Bubble Skylights may be used in place of flat Fiberglass Panel, provided they allow the same area of light space.

SKYLIGHT DETAILS



NOTE: Window Unit openings determined by Block-Joint height variance

SECTION A-A

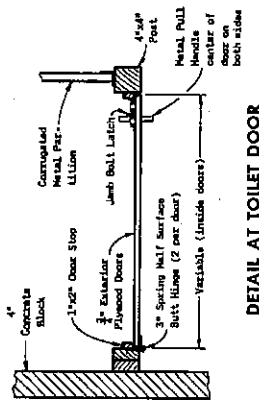
WINDOW DETAIL

TOILET BUILDING (WAYSIDES)

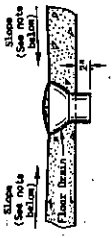
State of Wisconsin  
Department of Transportation  
Division of Highways

APPROVED  
12/29/96  
DATE  
APPROVED  
1/3/77  
DATE

*D.J. Stinson*  
CHIEF OF FACILITIES DEVELOPMENT  
*W.G. Siddle*  
DEPUTY CHIEF OF FACILITIES DEVELOPMENT



DETAIL AT TOILET DOOR



FLOOR DRAIN DETAIL

GENERAL NOTES

Details of construction not shown on this drawing shall be in accordance with the provisions of the sections of the Standard Specification entitled "CONCRETE MASONRY, STEEL REINFORCEMENT, BRICK MASONRY AND CONCRETE BLOCK MASONRY, TIMBER STRUCTURES AND PAINT AND PAINTING," and the applicable Special Provisions and / or in accordance with general construction practices approved by the Wisconsin Administrative Code of the Department of Industry, Labor and Human Relations. All material dimensions are nominal.

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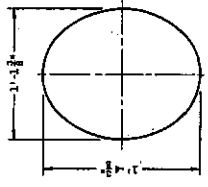
TOILET BUILDING (WAYSIDES)

State of Wisconsin  
Department of Transportation  
Division of Highways

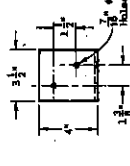
APPROVED 12/29/76  
BY  
CHIEF TECHNICAL ENGINEER

APPROVED 1/3/77  
BY  
CHIEF ESTIMATOR

NOTE: STUOL SHALL BE INSTALLED SO THAT THE DISTANCE BETWEEN STUOL AND SIDEWALLS IS EQUAL.



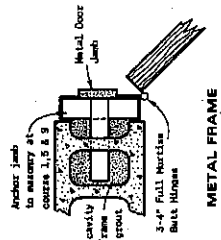
LAYOUT OF HOLE IN FLOOR FOR STUOL  
(Verify dimensions on manufacturer's install template layout)



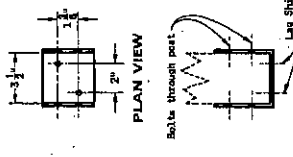
FRONT ELEVATION

POST BASE DETAILS

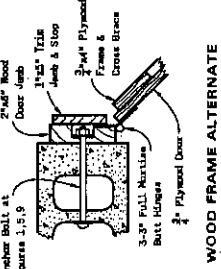
16 Ga. (0.0225" thick) galv. sheet metal bent to form base.



METAL FRAME



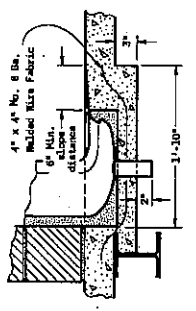
PLAN VIEW



WOOD FRAME ALTERNATE

This is an alternate door frame unit and shall be used only if specified in the plans.

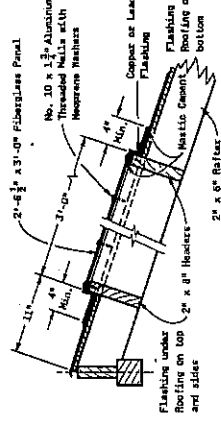
ENTRANCE JAMB DETAILS



NOTE: Form floor for taking installation of jamb. Jamb to be set 1/2 inch below finished floor and clipped to retain as shown.

SECTION B-B

URINAL - FLOOR DETAIL

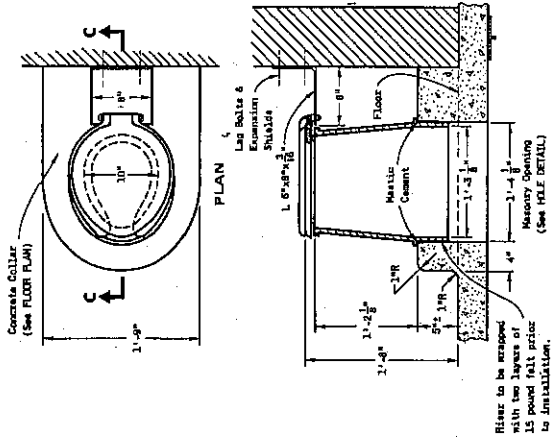


Install on same side as Ventilator. Use Skylight to each section.

SECTION D-D

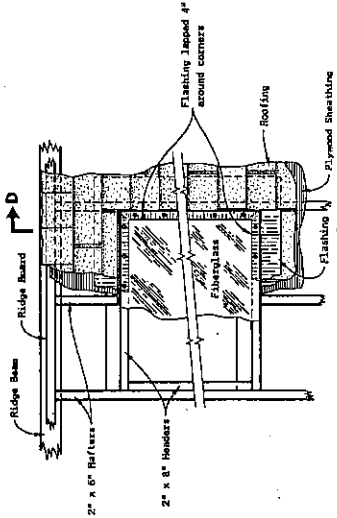
NOTE: Plastic bubble Skylights may be used in place of flat Fiberglass Panel, provided they allow the same area of light space.

SKYLIGHT DETAILS



SECTION C-C

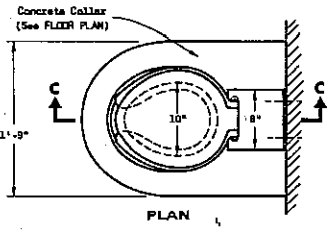
STUOL DETAILS



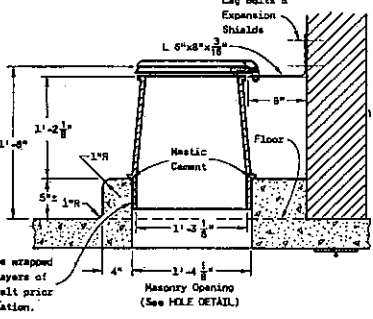
PLAN VIEW

SECTION D-D



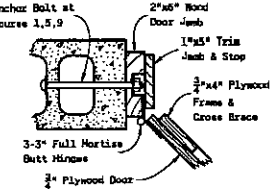


PLAN



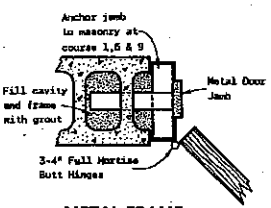
SECTION C-C

STOOL DETAILS



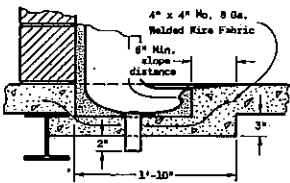
WOOD FRAME ALTERNATE

This is an alternate door frame unit and shall be used only if specified in the plans.



METAL FRAME

ENTRANCE JAMB DETAILS

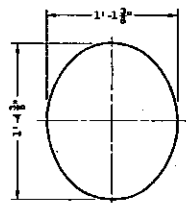


NOTE: Form floor for later installation of urinal. Urinal to be set 1/4 in. below finished floor and sloped to drain as shown.

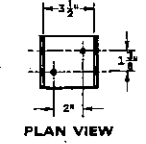
SECTION B-B

URINAL - FLOOR DETAIL

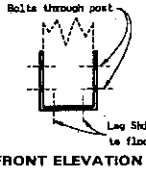
NOTE: Stool shall be installed so that the distance between stool and sidewalls is equal.



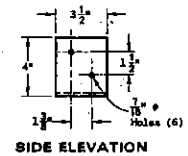
LAYOUT OF HOLE IN FLOOR FOR STOOL  
(Verify dimensions on manufacturer's toilet template layout)



PLAN VIEW



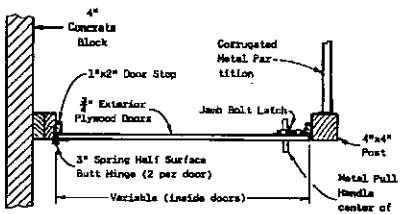
FRONT ELEVATION



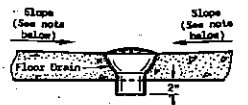
SIDE ELEVATION

POST BASE DETAILS

16 Gs. (0.0625" thick) galv. sheet metal bent to form base.



DETAIL AT TOILET DOOR



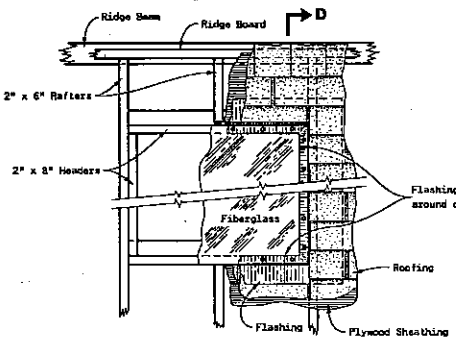
NOTE: Slope floor toward drain 1/4 in./ft. from 2 ft. away.

FLOOR DRAIN DETAIL

GENERAL NOTES

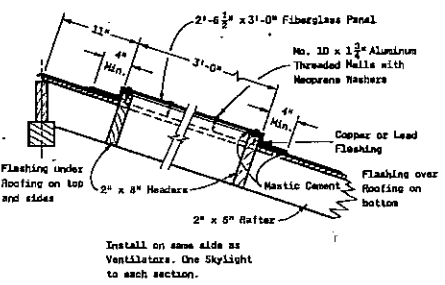
Details of construction not shown on this drawing shall conform to the pertinent requirements of the sections of the Standard Specifications entitled "CONCRETE MASONRY, STEEL REINFORCEMENT, BRICK MASONRY AND CONCRETE BLOCK MASONRY, TIMBER STRUCTURES AND PAINT AND PAINTING", and the applicable Special Provisions and / or in accordance with general construction practices approved by the Wisconsin Administrative Code of the Department of Industry, Labor and Human Relations.  
All external dimensions are nominal.

NOTE: THIS STANDARD DETAIL DRAWING CONSISTS OF THREE PLATES, AND ALL THREE ARE REQUIRED WHEN THIS STANDARD IS CALLED FOR IN THE PLANS.



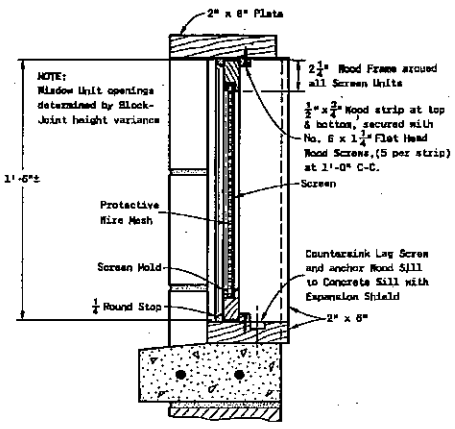
PLAN VIEW

SKYLIGHT DETAILS



SECTION D-D

NOTE: Plastic Bubble Skylights may be used in place of flat Fiberglass Panel, provided they allow the same area of light space.



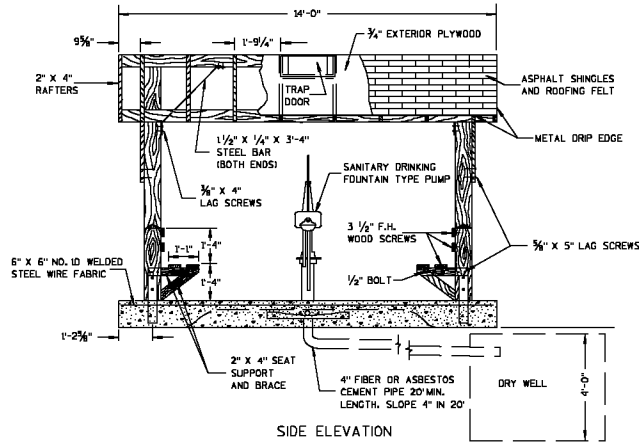
SECTION A-A

WINDOW DETAIL

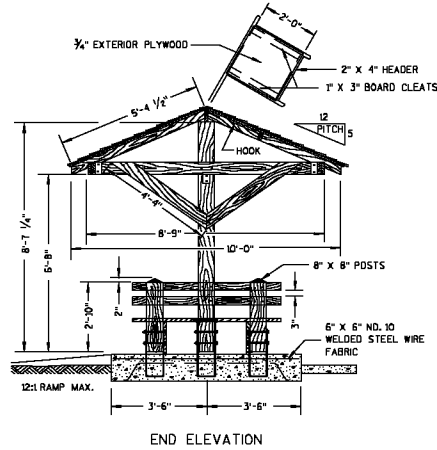
<b>TOILET BUILDING (WAYSIDES)</b>	
State of Wisconsin Department of Transportation Division of Highways	
APPROVED 12/29/76 DATE	<i>[Signature]</i> CHIEF OF TECHNICAL DEVELOPMENT
APPROVED 1/3/77 DATE	<i>[Signature]</i> PLANNING ENGINEER
DRAWN	

# ***WELL SHELTER ROOF***

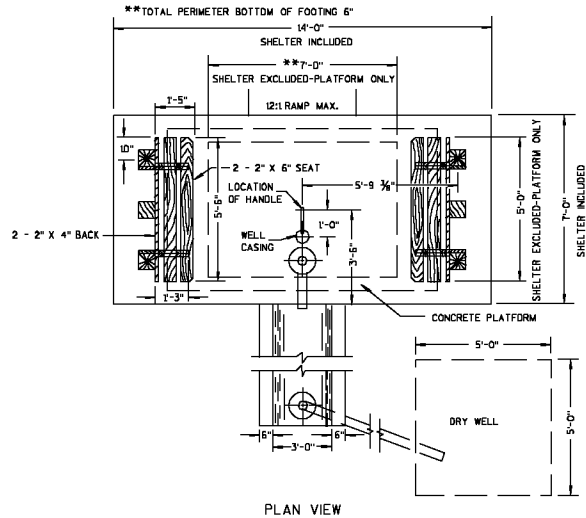
S.D.D. 14 C 6-50



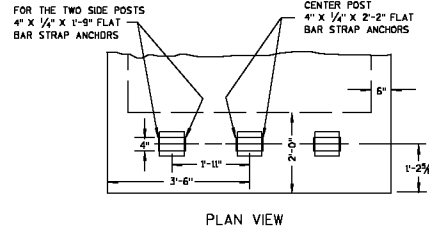
SIDE ELEVATION



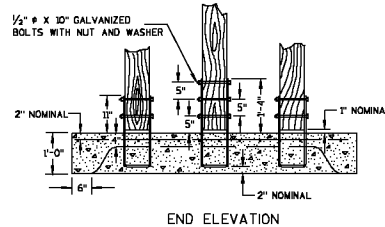
END ELEVATION



PLAN VIEW



PLAN VIEW



END ELEVATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

THE BILL OF MATERIALS SHALL BE INCLUDED IN THE PROPOSAL.

PUMP AND WELL PLATFORM

METHOD OF HANDLING DRAINAGE SHALL BE DETERMINED IN FIELD BY THE ENGINEER.

a. IN SANDY OR GRAVELLY AREAS OR SITES WITH GOOD NATURAL DRAINAGE, LEAVE END OF FLUME OPEN, OMIT DRAIN, SOIL PIPE AND DRY WELL. ALLOW WATER TO FLOW OVER NATURAL GRADE.

b. IF FEASIBLE, EXTEND FIBER OR ASBESTOS CEMENT PIPE TO A NATURAL DRAINAGE POINT OR DITCH.

c. IN ALL OTHER CASES CONSTRUCT DRY WELL AS INDICATED. DRY WELL SHALL BE FILLED WITH NO. 2 (AS DEFINED IN STANDARD SPECIFICATIONS) COARSE AGGREGATE.

THE PUMP SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS LISTED IN THE "DRILLING WELLS" SECTION OF THE STANDARD SPECIFICATIONS.

a. USE 5'-0" x 7'-0" PLATFORM WHEN OVERHEAD SHELTER IS NOT PART OF CONTRACT.

b. USE 7'-0" x 14'-0" PLATFORM WITH OVERHEAD SHELTER.

SHELTER

ALL DIMENSIONS SHOWN ARE NOMINAL.

LARGE SIZE WASHERS SHALL BE USED WITH EACH CARRIAGE BOLT AT EACH END. 1/2" BOLTS SHALL HAVE LOCK WASHERS AND THREADS BATTERED AFTER NUTS ARE TIGHTENED. ALL BOLT HOLES SHALL BE SOAKED WITH PENTACHLOROPHENOL BEFORE INSERTING BOLTS.

SHELTER TO BE LOCATED SO THAT TRAP DOOR IS DIRECTLY OVER PUMP TO FACILITATE PULLING PUMP, IF REQUIRED.

TIMBER POSTS SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH THE SECTION OF THE STANDARD SPECIFICATIONS ENTITLED, "TIMBER RAIL GUARD FENCE", AND SHALL BE TREATED WITH PENTACHLOROPHENOL IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

LUMBER FOR SHELTER SHALL BE UNTREATED AND FURNISHED AND PLACED IN ACCORDANCE WITH THE SECTION OF THE STANDARD SPECIFICATIONS ENTITLED, "TIMBER STRUCTURES".

ROOFING SHALL BE ASPHALT SHINGLES, MINIMUM 235 LBS. PER 100 SQUARE FEET. 12 INCH, THICK-BUT, DARK BROWN. ROOFING FELT SHALL BE STANDARD 15 LB. FELT.

THE ABOVE GROUND PORTION OF THE SHELTER SHALL RECEIVE TWO COATS OF DARK BROWN STAIN CONFORMING TO THE SECTION OF THE STANDARD SPECIFICATIONS ENTITLED, "PAINT-BROWN".

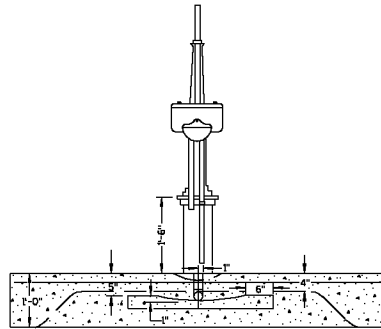
METAL BAR STRAP ANCHORS, METAL ROOF BRACING, AND METAL DRIP EDGE SHALL BE PAINTED DARK BROWN, WITH RUST INHIBITIVE PAINT. PAINTING SHALL BE DONE IN ACCORDANCE WITH THE SECTION OF THE STANDARD SPECIFICATIONS ENTITLED, "PAINTING-STRUCTURAL STEEL AND MISCELLANEOUS METALS".

THE WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

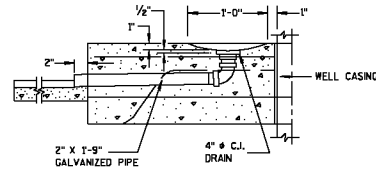
NOTE:  
THIS DRAWING CONSISTS OF TWO SHEETS.  
BOTH SHEETS ARE REQUIRED WHEN THIS  
DRAWING IS CALLED FOR IN THE PLANS.

WAYSIDE WELL SHELTER AND  
PUMP AND WELL PLATFORM

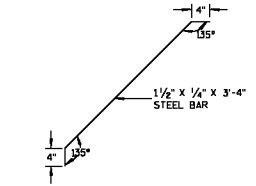
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



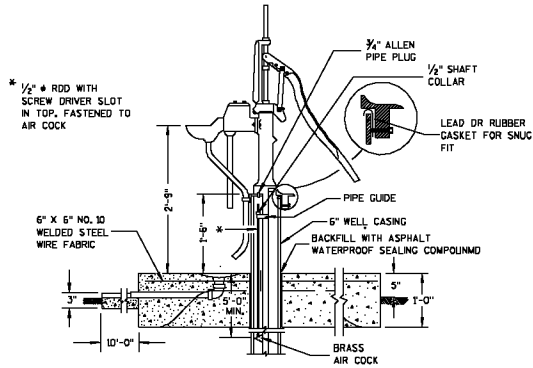
END VIEW



DRAIN DETAIL

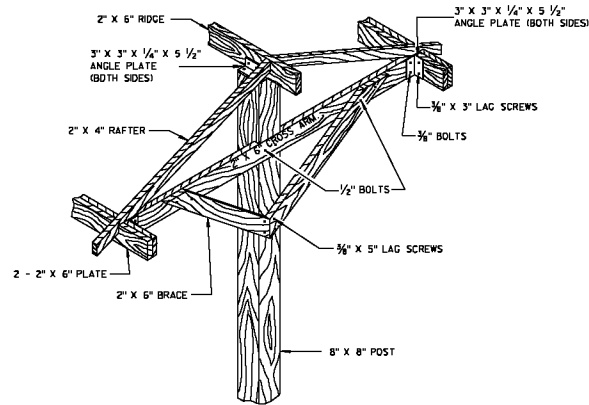


BAR BENDING DETAIL



SIDE VIEW

PUMP DETAIL



ASSEMBLY DETAIL

NOTE:  
THIS DRAWING CONSISTS OF TWO SHEETS.  
BOTH SHEETS ARE REQUIRED WHEN THIS  
DRAWING IS CALLED FOR IN THE PLANS.

WAYSIDE WELL SHELTER AND  
PUMP AND WELL PLATFORM

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED	CHEF ROADWAY DEVELOPMENT ENGINEER
DATE	
FWHA	

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_ STATE CONST. ENGINEER FOR HWYS

S.D.D. 14 C 6-5b

## **Roof Specifications – Highway Roadside Well Shelter**

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### Description of Work

Remove all shingles and rotted wood pieces. Replace with any needed plywood or metal drip edge. Apply roofing felt and shingles.

Contractor shall supply all equipment, accessories, materials, and labor to complete the roofing project within the specifications.

### Quality Assurance

Comply with governing codes and regulators.

### Product Delivery, Storage and Handling

Deliver, handle and store materials in accordance with manufacturer's instructions and good practice to prevent deformation, breakage, discoloration or other damage.

### Warranty

Provide warranty as specified under individual products.

### Products

- 3/4" exterior plywood CCA
- Drip edge, unpainted aluminum or galvanized metal
- #15 Roofing felt
- Asphalt shingles 235#/sq. dark brown in color with a 25 year guarantee

The shingles will be attached with galvanized roofing nails.

Lumber shall be Number 2 grade, sound and free of loose knots, and may be either Douglas fir or yellow pine.

Flashing around skylight and vent pipe shall be standard type lead flashing or 22-gauge copper placed as shown on the plan.

Ventilators on vent pipes shall be standard galvanized hooded ventilator with 4-inch throat and equipped with a screen.

### Preparation

Remove projections, debris, old shingles, and deteriorated wood from roof before starting installation.

### Installation

Replace deteriorated wood sections with specified grade. Install metal drip edge as needed. Apply felt horizontally over wood roof structure. Fasten felt securely until shingles are installed. Install shingles in accordance with shingle manufacturer's instruction using the standard pattern.

### Cleaning

Remove construction debris from roof surfaces and grounds.

Replace shingles broken or damaged prior to final acceptance, to the satisfaction of the project advisor.

Wisconsin Rest Area Maintenance (RAM) Program

## ***Wayside Restroom Building Approved Flooring***

The approved flooring is a commercial grade vinyl composite tile on the restroom floor.

The approved tile is:

Armstrong Tile  
"Execlon" Series  
"Imperial Texture"  
12" X 12" Vinyl Composite Tile, 1/8" thickness  
Color lot # 51839 – "Fortress White"  
45 tiles per carton = 45 sq. ft.

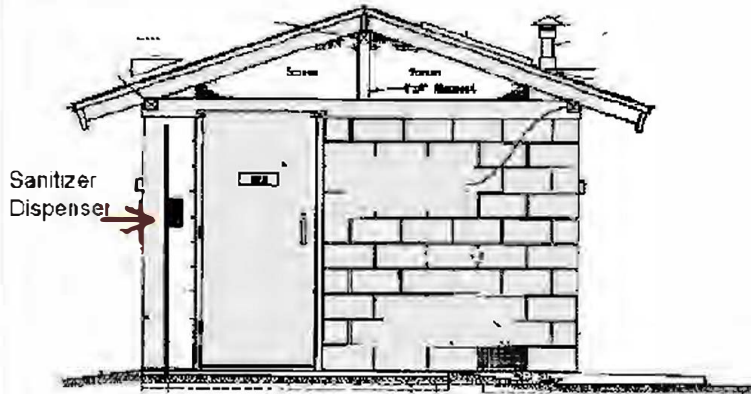
Service providers who decide to install the VCT tile onto the restroom floors should consider the following:

- If the restroom floor is extremely rough and/or uneven, a leveling compound may be necessary before tile installation.
- Tile shall be installed following all manufacturers' recommendations including type of adhesive and appropriate temperature at installation.
- Tile shall be installed following standard accepted patterns of installation. Grid layout shall be executed in such a manner as to allow border tiles to be no less than 1/3 full size.
- Tiles shall fit tightly together with no visible gapping.
- The pit shall be emptied and floor thoroughly dry before installation is done.
- A neatly applied caulk line of clear silicone caulk shall be applied where tile and wall meet and where tile meets toilet, urinal and vent pipe.

By following the standards and precautions above, the service provider may expect an acceptable installation.

Service providers are cautioned that an unsightly installation will require a tear-up and proper installation.

# WAYSIDE SANITIZER INSTALLATION



Sanitizer dispensers are to be installed on the interior of the front wall of the restroom building. The dispenser shall be mounted 18 inches from the corner of the front wall and the door wall and 60 inches in height from the floor to the top of the dispenser. A dispenser shall be installed in each gender restroom.

S.D. 14 C4-4b

S.D. 14 C4-4b

Wisconsin Rest Area Maintenance (RAM) Program  
***Toilet Seats***

All rest areas and waysides shall have white toilet seats only. Toilet seats SHALL NOT have covers.



Wisconsin Rest Area Maintenance (RAM) Program  
**Trash Container Signage**

The below "Trash" signage is to be ordered and placed on trash containers at all site.

Vendor Information:

**Highline Corporation**

100 Cary Road Hwy 77

PO Box 218

Hurley, WI 54534-0218

Phone: 715-561-4517 ext. 130

Fax: 715-561-3103

Contact: Jim Perry, RAM Contract Manager

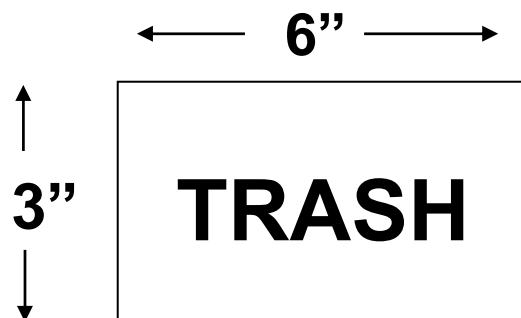
E-mail: [jperry@highlinecorp.org](mailto:jperry@highlinecorp.org)

Website: [highlinecorp.org/](http://highlinecorp.org/)

Specifications:

Sign Title: RFW RAM Trash Signage

Dimensions/Color: 3" H, 6" W / Veneer Dark Brown Plastic w/ letters etched in White.



Installation Instructions (Cement and Aggregate Containers):

Pre-drill the sign using a 1/4" bit. Pilot holes should be 3/8" from each edge and centered vertically on the sign. Center the sign on the trash container 2" below the bottom edge of the container lid. Use a masonry 1/4" bit to drill pilot holes into the trash container.

To secure the sign to the container, use 1/4" diameter x 1" length "Red Head" Hammer-set nail anchors ("Red Head" can be found at Menards).

For the plastic trash containers used at SEASONAL WAYSIDES, attach the trash signs in the same manner, 2" centered under the lid edge using a 4" strip of 3M industrial grade double back tape centered on the back on the sign. Assure the plastic is clean and dry before attaching the sign.

# ***Hand Soap/Air Fresheners***

The Wisconsin Department of Transportation has mandated that all hand soap and hand sanitizers used in rest areas and waysides be of the unscented variety. You may use up current inventories of hand soap and sanitizer, but, all future orders must be for unscented hand cleanser.

No air fresheners or urinal cakes/deodorizers shall be used in ANY REST AREA BUILDING.