

C-7-05	No Motion/Zero Speed System
C-7-06	Passenger Compartment Door Panel Design (If Applicable)
C-7-07	Passenger Compartment Door Hold Open (If Applicable)
C-7-08	Electric/Crew Locker Door
C-7-09	Cab Door Panel Design
C-7-10	Inter-Car Door Design and Configuration
C-7-11	Toilet Door Design and Configuration
C-8-01	Interior Material Samples
C-8-02	Wall Panels
C-8-03	Cab Locker Designs (Engineer and Fireman Side)
C-8-04	Floor Fire Test
C-8-05	Flooring System
C-8-06	Anti-Skid Design
C-8-07	Seat Ergonomic Assessment
C-8-08	Cushion Covering and Material
C-8-09	Seat Dynamic and Static Testing
C-8-10	Parcel Rack Design
C-8-11	Mobility Aid Lift System
C-8-12	Toilet Room/Equipment Arrangement
C-8-13	Retention Tank Level Indication
C-8-14	Toilet Shut-Off/ Drain Valve
C-8-15	Ticket Clip Installation and Design
C-8-16	Waste Receptacle
C-8-17	Automated External Defibrillator
C-8-18	Bicycle Racks
C-8-19	Heated Floor
C-9-01	HVAC System – Design and Installation
C-9-02	Floor Surface Heating Solution (If Applicable)
C-9-03	Toilet Room Exhaust
C-9-04	HVAC Unit Lifting Provision
C-9-05	Temperature Control Arrangement
C-9-06	Retention Tank Heater
C-9-07	Water Freeze Dump Valve
C-10-01	Interior and Exterior Lighting Plan
C-10-02	Lighting Electronics Environmental Testing
C-10-03	Normal Mode Light Level Testing and Environmental standards
C-10-04	Emergency Lighting Details and Testing
C-10-05	Exterior Lighting Design and Functionality
C-10-06	Headlight Dimming/Protection
C-10-07	Light Burnout Detection
C-10-08	Low Location Exit Path Marking (LLEPM)
C-11-01	Electrical Circuit Diagram
C-11-02	Electrical Load Study
C-11-03	Load Shedding
C-11-04	Battery Box and Battery Protection
C-11-05	Battery Charger/LVPS
C-11-06	Electric Lockers Design
C-11-07	Trainline Circuits
C-11-08	Surge Protective Device
C-11-09	USB Port Position and Design
C-11-10	Car Level Monitoring System

Date: 01/22/2024	Document No. M-22-001	Page: 178 of 181	Prepared By: F. Mascarenhas	Revision: Rev. D	Approved By: <i>Francis Mascarenhas</i>
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Initials SRC
Metra

Initials 
Stadler

C-12-01	Design, Arrangement, Installation of Communication Package
C-12-02	Compatibility with Metra's existing ACORN communication system
C-12-03	Audio Sampling and Study of all Passenger Areas
C-12-04	Emergency Passenger Intercom Unit
C-12-05	Cab Radio
C-12-06	Train Information Management System
C-12-07	Passenger Information Signs
C-12-08	Passenger Compartment DVR System
C-12-09	Passenger Wi-Fi Provisions
C-12-10	Automated Passenger Counting
C-13-01	Brake System Description
C-13-02	Deadman Pedal
C-13-02	Wheel Slide System Protection Design (If Applicable)
C-13-03	Tread Brake Unit Design and Installation
C-13-03	Air Compressor
C-13-04	Reservoir Design and Installation
C-13-05	Air Piping
C-13-05	Handbrake Force Calculation
C-13-06	Disc Brake Design and Installation
C-14-01	Bell
C-14-02	Horn
C-15-01	Truck Design Review
C-15-02	Service History of Truck
C-15-03	Handbrake
C-15-03	Sensor Arrangement and Wiring (If Applicable)
C-15-04	Truck Ground Strap
C-15-05	Ride Quality Test Report or Simulation
C-16-01	Cab Control – Design and Arrangement of Cab Car
C-16-02	Cab Seating
C-16-03	Alert Operation
C-16-04	(deleted)
C-16-05	PTC Installation
C-16-06	Cab Digital Video Recording System
C-16-07	(deleted)
C-16-08	(deleted)
C-16-09	Windshield Wiper System
C-16-10	Pilot Design
C-17-01	Traction System
C-17-02	Dynamic Brake System
C-17-03	Prime Mover System
C-17-04	Propulsion Battery
C-17-05	Propulsion Battery Control
C-17-06	Propulsion Battery Charging
C-17-07	DC Fast Charge Pantograph
C-17-08	Battery Thermal Conditioning
C-18-01	Auxiliary Power System
C-18-02	Auxiliary Power Controls
C-19-01	Signage Plan
C-20-01	Noise Level Test Procedure
C-21-01	Material Certifications
C-21-02	Material Maintenance

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Metra

Initials *B*
Stadler

C-21-03	Interior and Exterior Stainless Steel Samples
C-21-04	Stainless Steel Coil Test Reports
C-21-05	LAHT Tension and Bend Test Reports
C-21-06	Casting Qualification Report
C-21-07	Elastomer Certification
C-21-08	Visual Inspection Criteria for Glazing
C-21-09	Thermoplastic Sheet Color and Surface Finish Samples
C-21-10	Thermoplastic Test Certifications
C-21-11	Fiberglass Reinforced Plastic Test Certifications
C-21-12	Melamine Test Certifications
C-21-13	Leak Test for Air and Hydraulic Piping System
C-21-14	Piping, Tubing, and Pressure Vessel Specifications
C-21-15	(deleted)
C-21-16	Bearing Specification and Data
C-21-17	Paint Inspection and Acceptance Criteria
C-21-18	Adhesives Utilized
C-21-19	Insulation Application, Retention, and Data
C-21-20	Fire Safety Analysis
C-21-21	Threaded Fastener Data
C-21-22	Welding Documentation
C-21-23	Welding Inspection Plan
C-21-24	Brazing Documentation
C-21-25	Corrosion Control Plan
C-21-26	Wire and Cable Data and Specifications
C-21-27	Software Quality Assurance Plan
C-21-28	Corrosion Protection Concept
C-21-29	Surface Preparation for Bonding or Painting
C-21-30	Cable List for high-temperature Applications
C-22-01	Master Test Plan
C-22-02	Test Procedures
C-22-03	Electromagnetic Compatibility Control Plan
C-23-01	As-Built Drawings, Drawing Lists and Bills of Material
C-23-02	Photographs
C-23-03	(deleted)
C-23-04	Maintenance Manuals
C-23-05	Parts Manuals
C-23-06	Operator Instruction Book
C-23-07	Car History Books
C-23-08	As-Built Specification
C-23-09	Field Service
C-23-10	Test Equipment
C-23-11	Training Program
C-23-12	Instructor Qualification Submittal

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Metra

Initials 
Stadler

Stadler US, Inc.

By execution below by a duly authorized representative of Stadler US, Inc., Stadler US, Inc., hereby states that it has reviewed and approves of each page it has initialed.

Name of Authorized Signer:

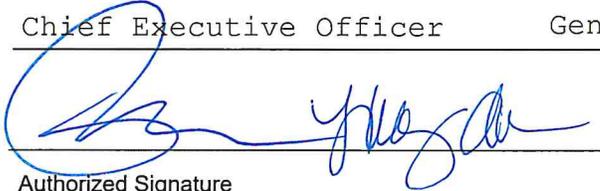
Martin Ritter

Lucy Andre

Title of Authorized Signer:

Chief Executive Officer

General Counsel



Authorized Signature

02/05/2024

Date



Initials of Authorized Signer

Metra

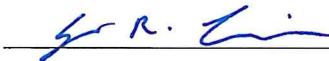
By execution below by a duly authorized representative of Metra, Metra, hereby states that it has reviewed and approves of each page it has initialed.

Name of Authorized Signer:

Sean R. Cronin

Title of Authorized Signer:

Senior Director - Mechanical Capital Projects



Authorized Signature

02/07/2024

Date

src

Initials of Authorized Signer

Date: 01/22/2024	Document No. M-22-001	Page: 181 of 181	Prepared By: F. Mascarenhas	Revision: Rev. D	Approved By: Francis Mascarenhas
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RFP No. 97728

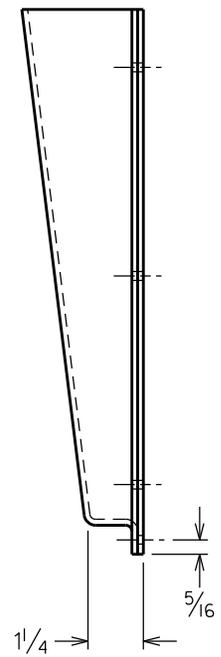
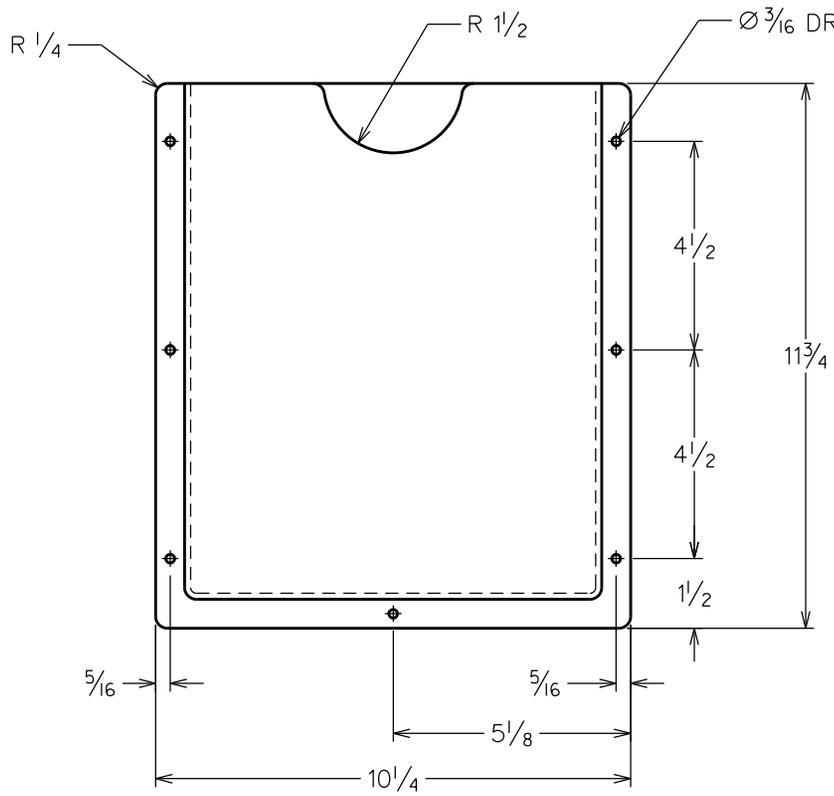
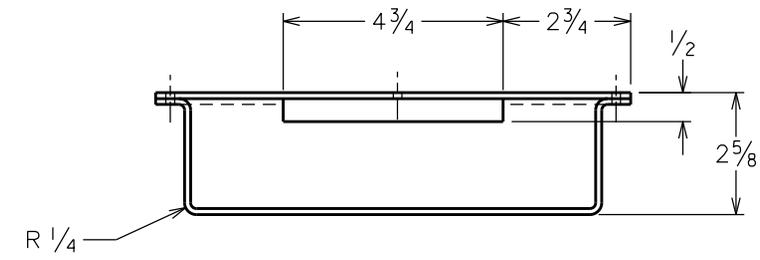
NEW BATTERY POWERED TRAINSETS

APPENDICES TO SPECIFICATIONS

Appendix A: Drawing List and Drawings

Appendix B: Quality Plan

Drawing numbers referenced in Metra Specification M-22-001
M-166
M-225
M-250
M-272B
M-286B
M-310B
M-318B
M-359
M-397
M-524
M-318
M-359
M-384
M-397
M-524
M-537A
M-544A
M-551-1B
M-551-2
M-599
M-1145A
M-1186
M-1681
M-1682
M-1968
Rock Island District Schedule and Operations Profile



NOTES:

- 1) HOLDER TO BE CONSTRUCTED OF 1/8" THICK CLEAR ACRYLIC SHEET, 2 PIECES.
- 2) FRONT PIECE TO BE THERMOFORMED TO SHAPE.
- 3) 4 3/4" x 1/2" SLOT TO BE CUT IN FRONT PIECE. FLANGE TO BE REMOVED IN SLOT AREA.
- 4) FRONT AND REAR PIECES TO BE CEMENTED TOGETHER.
- 5) ALL BENDS TO BE 90°, EXCEPT WHERE NOTED.

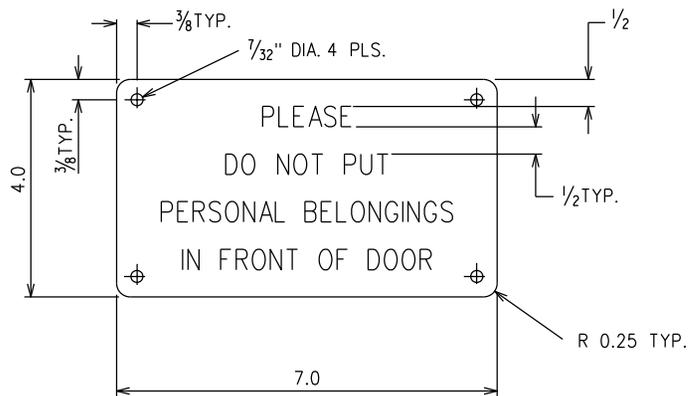
Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
ANNOUNCEMENT HOLDER

REDRAWN, ????	B	4/9/04	MMN	ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DECIMALS ANGLES ± 1/16" ± 0.06" ± 1/2°
ADDED SLOT	A	7/12	WJK	
DESCRIPTION	REV.	DATE	DRAWN	

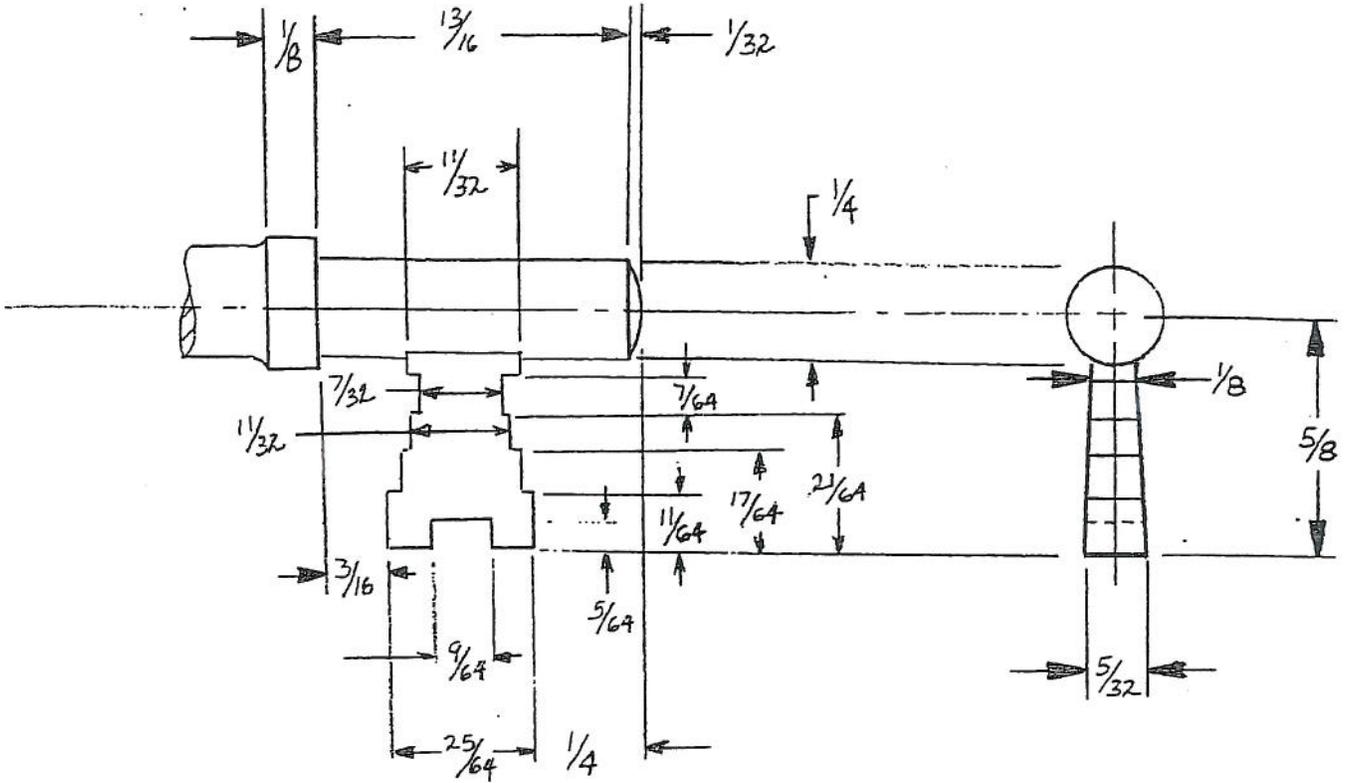
DRAWN BY:
W. KORAN
DATE:
7-1-1985

DRAWING NUMBER:
M-166
REV.
B

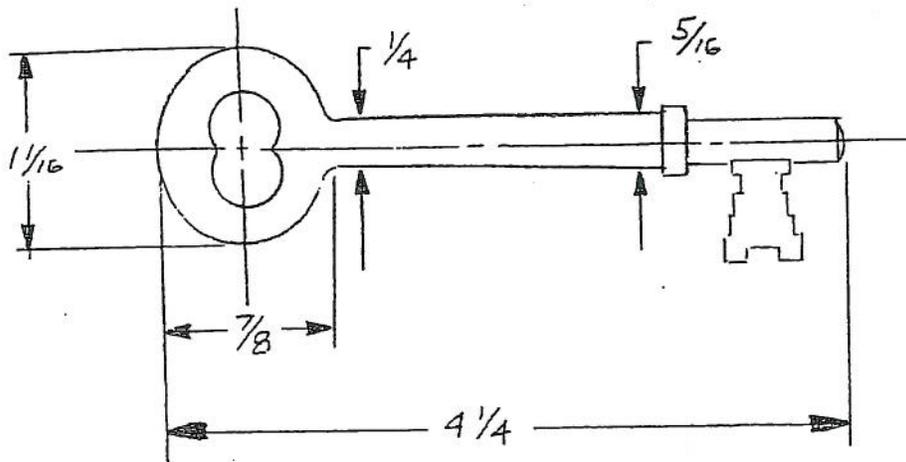


1. MATERIAL : STAINLESS STEEL TYPE 304, 20 GA, 2B FINISH.
2. LETTERS TO BE $\frac{3}{8}$ " HELVETICA MEDIUM, CENTER JUSTIFIED.
3. LETTERS TO BE ETCHED AND FILLED BLACK.
4. METRA STOCK CODE 49-52820-1

ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DECIMALS ANGLES ± ± ±				Metra MECHANICAL DEPARTMENT CHICAGO, IL 60661		
				TITLE SIGN "PLEASE DO NOT...DOOR"		
				DRAWN BY: W. J. KORAN		REV.
				DATE: 2/10/92		
				DRAWING NUMBER: M-225		
DESCRIPTION		REV.	DATE	DRAWN		
PART M-221-2 : 2 1/4 WAS 2 11/16.		C	8/15/97	WJK		
CHANGED MAT'L SPEC., ADDED SCORING.		B	2/6/97	WJK		
CHANGED MAT'L SPEC., ADDED CHART.		A	11/19/96	WJK		



BIT DETAIL



NOTES:

1). MATERIAL TO BE BRASS

UNCONTROLLED COPY



Northeast Illinois Railroad Corporation

MECHANICAL DEPARTMENT

STANDARD KEY

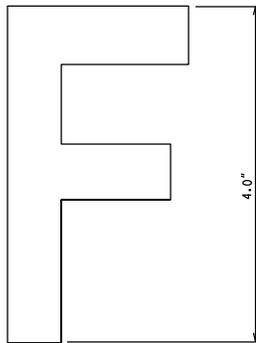


ITEM NO.	A	COLOR	3M NO.	METRA STOCK CODE
M-272-1	18	WHITE	680-10	49-52224-6
M-272-2	18	BLACK	180-12	49-52226-1
M-272-3	8	BLUE	180-47	49-52228-7
M-272-4	8	BLACK	180-12	49-52229-5
M-272-5	8	WHITE	680-10	

NOTES:

1. KISSCUT TO SHAPE AND WEED.
2. PRESPLACE 3M NO. SCPS-2.
3. PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS FROM DATE OF MANUFACTURE) ON APPLICATION AID.

ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DECIMALS ANGLES ± 1/16" ± ± 1/2°				Metra MECHANICAL DEPARTMENT <small>CHICAGO, IL 60661</small>	
				TITLE RTA LOGO (ROLLING STOCK)	
ADDED ITEM 5.	B	4/6/06	FMM	DRAWN BY: F. MASCARENHAS	DRAWING NUMBER: M-272
ADDED ITEM 4 & CHANGED NOTES.	A	5/28/97	WJK	DATE: 7/24/00	REV. B
DESCRIPTION	REV.	DATE	DRAWN		



MATERIAL:

LOCOMOTIVE - WHITE 3M NO. 180-10

BUDD CARS - BLACK 3M NO. 180-12

HIGHLINERS - BLUE 3M NO. 180-47

KISS-CUT TO SHAPE AND WEED.

PRESPACE: 3M NO. SCPS-2.

PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS AFTER THE DATE OF MANUFACTURE) ON PRESPACE.

METRA STOCK CODE:

WHITE - 49-52258-4

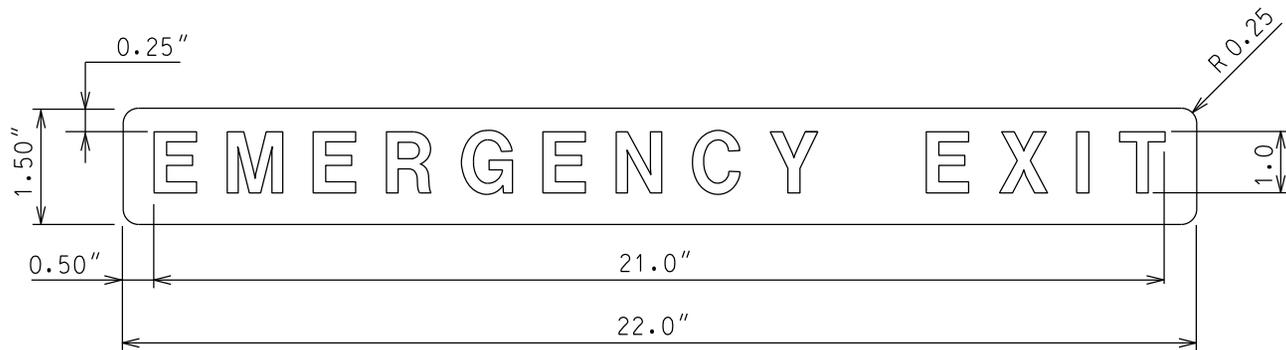
BLACK - 49-52260-0

BLUE - 49-52262-6

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
LETTER "F"

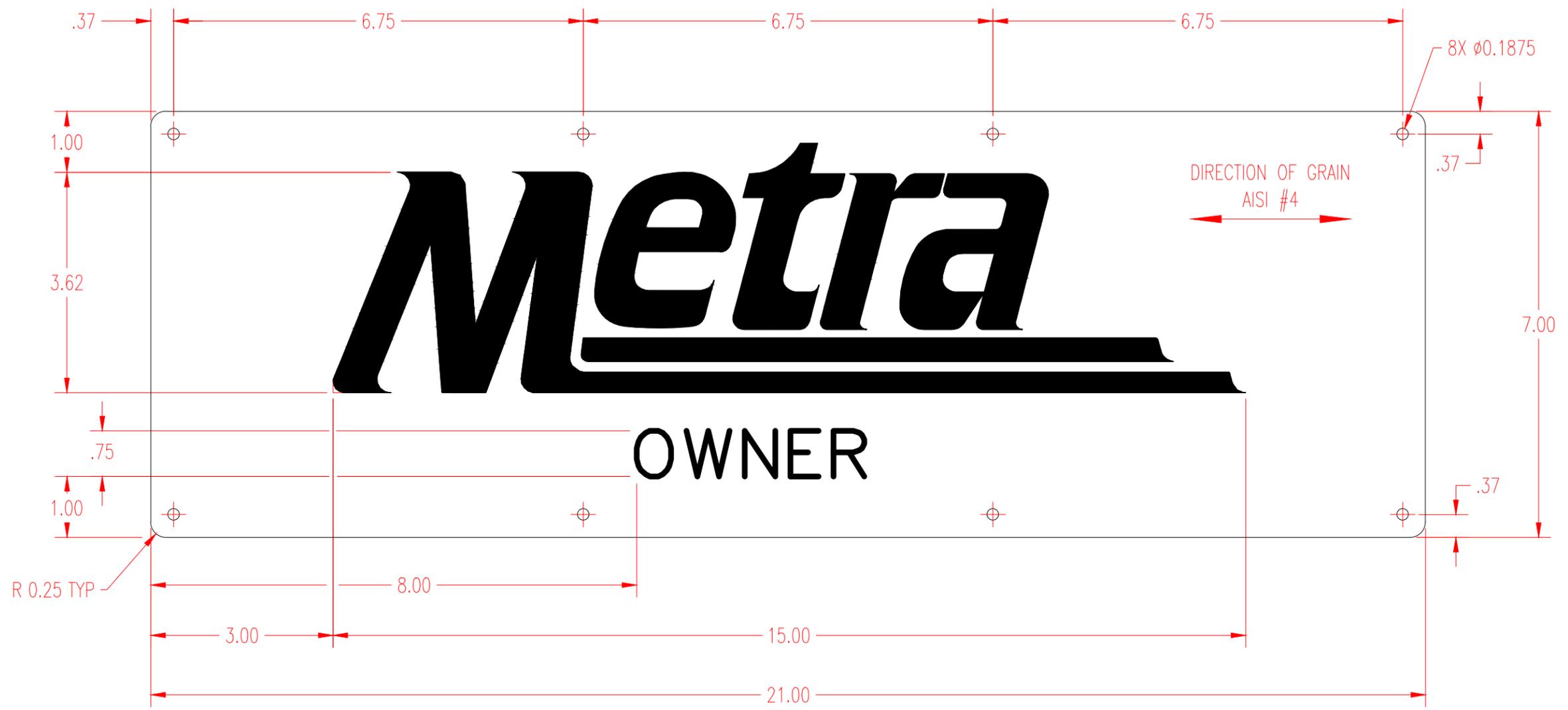
DESCRIPTION	REV.	DATE	DRAWN	REDRAWN BY:	DATE:	DRAWING NUMBER:	REV.:
CHANGED NOTES	B	6/29/06	FJM	F. Mascarenhas	6/2/00	M-286	B
CHANGED NOTES	A	5/29/97	WJK				



MATERIAL: TRANSPARENT FILM, 3M NO. 180-114.
 APPLICATION AID: 3M NO. SCPM-44X.
 CHARACTER: GOTHIC 545, RED 3M NO. 9715.
 CLEAR COAT: 3M NO. 9720.
 PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS
 AFTER THE DATE OF MANUFACTURE) ON THE APPLICATION AID.
 METRA STOCK CODE: 49-52312-9

Metra		MECHANICAL DEPARTMENT CHICAGO, IL 60661	
TITLE DECAL "EMERGENCY EXIT"			
DRAWN BY: F. MASCARENHAS		DRAWING NUMBER: M-310	
DATE: 5/1/00		REV.: B	

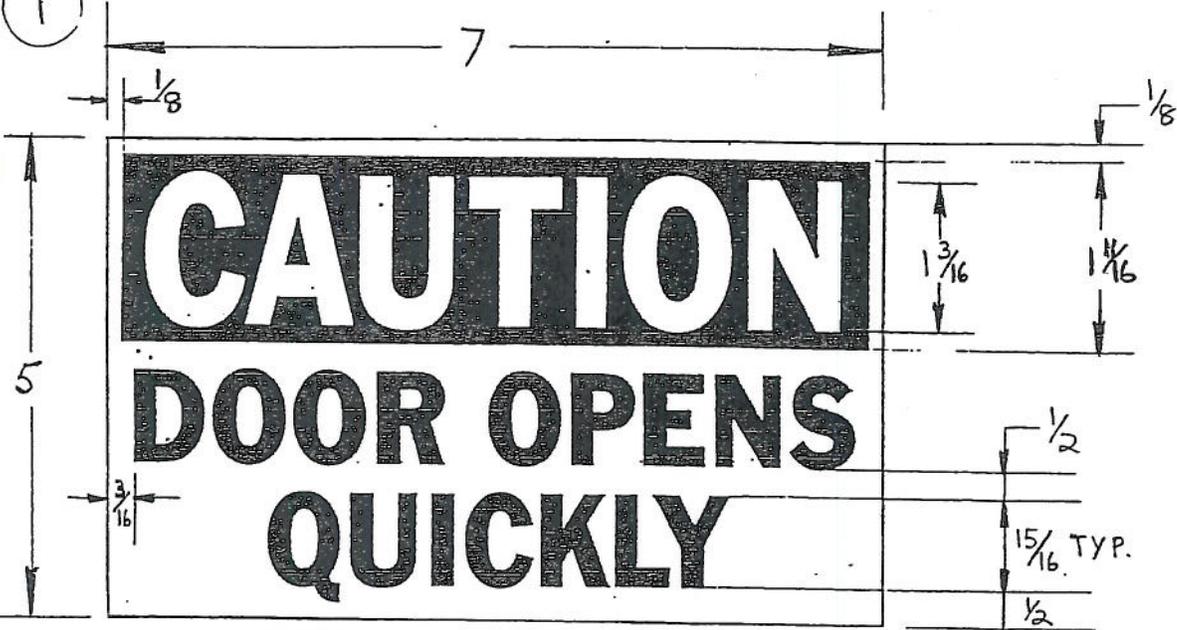
DESCRIPTION	REV.	DATE	DRAWN
Revised material.	B	10/18/05	FMF
Changed notes.	A	6/2/97	WJK



- NOTES:
- 1) MATERIAL: 16 GA. STAINLESS STEEL TYPE 304 WITH A.I.S.I. NO. 4 FINISH
 - 2) LETTERS SHALL BE ACID OR SAND ETCHED AND FILLED WITH BLACK PAINT - HELVETICA MED.
 - 3) METRA P/N: 49-52845-8
 - 4) NO SHARP EDGES

DRAWN W. KORAN		6/7/95		 MECHANICAL DEPARTMENT CHICAGO, IL 60661			
CHECKED				TITLE: METRA SIGN			
APPROVED				<small>REPORT ALL ERRORS AND DISCREPANCIES TO METRA MECHANICAL DEPT. IMMEDIATELY</small>		<small>UNCONTROLLED IF NOT ACCESSED FROM THE MECHANICAL DEPARTMENT'S CONTROLLED NETWORK DRIVE. IT IS THE USER'S RESPONSIBILITY TO ENSURE LATEST REVISION</small>	
ECN-16-084	B	JT	10/19/16	F. MASCARENHAS	10/19/16	SEAN CRONIN	10/19/16
REDRAWN	A	MMN	6/28/05				
DESCRIPTION	REV.	DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
				<small>UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES AND WELDING, TOLERANCING, AND OTHER REQUIREMENTS ARE PER METRA SPEC M-13-010</small>			
SCALE		SIZE		SHEET		DWG NO	
1:2		B		1 OF 1		M-318	
						REV B	
<small>NOT TO SCALE IF PRINTED UNLESS OTHERWISE SPECIFIED</small>							

1



METRA STOCK CODE 49-52349-1

~REVISIONS~

2

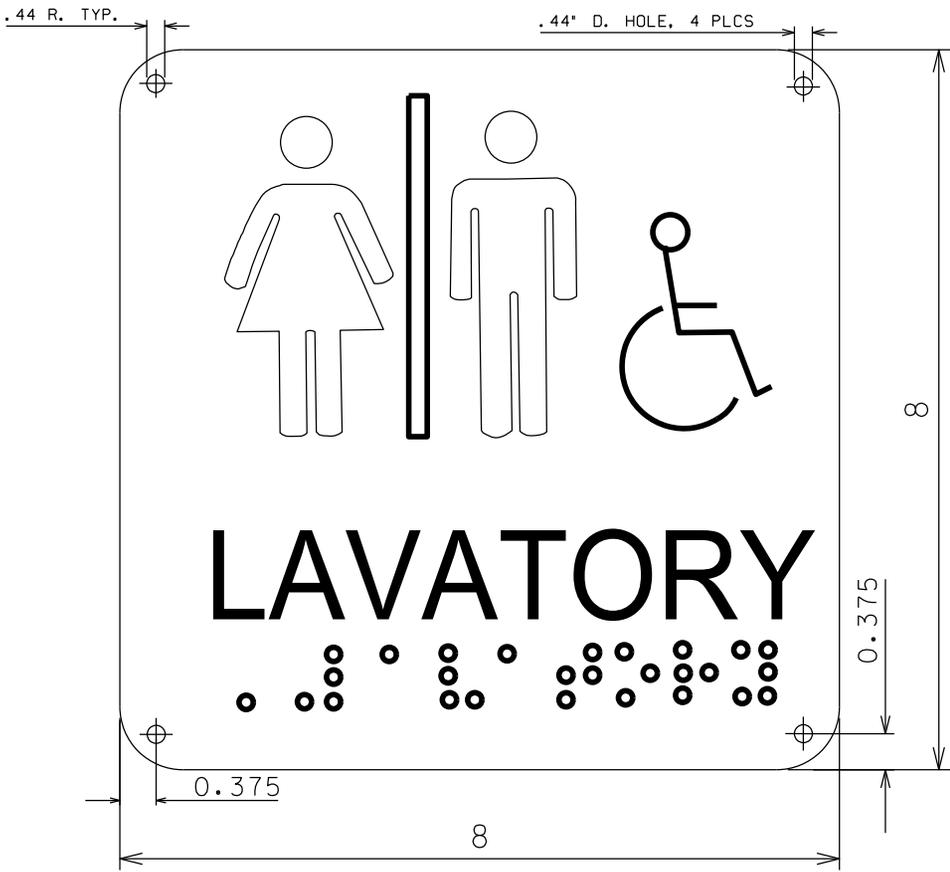


METRA STOCK CODE 49-52351-7

UNCONTROLLED COPY

MATERIAL: VINYL FILM BRIGHT YELLOW, 3m No. 3650-15.
 LETTERS: LINE 1; LETTERS BLACK BACKGROUND.
 LINE 2; BLACK 3m No. 9705, HELVETICA MED.
 CLEARCOAT: 3m No. 9720.
 APPLICATION AID: 3m No. SCPM-44X.
 PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS AFTER THE DATE OF MANUFACTURE) ON APPLICATION AID.

Metra		ENGINEERING DEPARTMENT CHICAGO, ILLINOIS	
SAFETY SIGN "CAUTION DOOR OPENS QUICKLY"			
REFERENCE	DATE		11.19.96
DESIGNED	DRAWN	CHECKED	APPROVED
	FMA		5.20.9
DISTRICT	PRINT NUMBER		
	M-359		



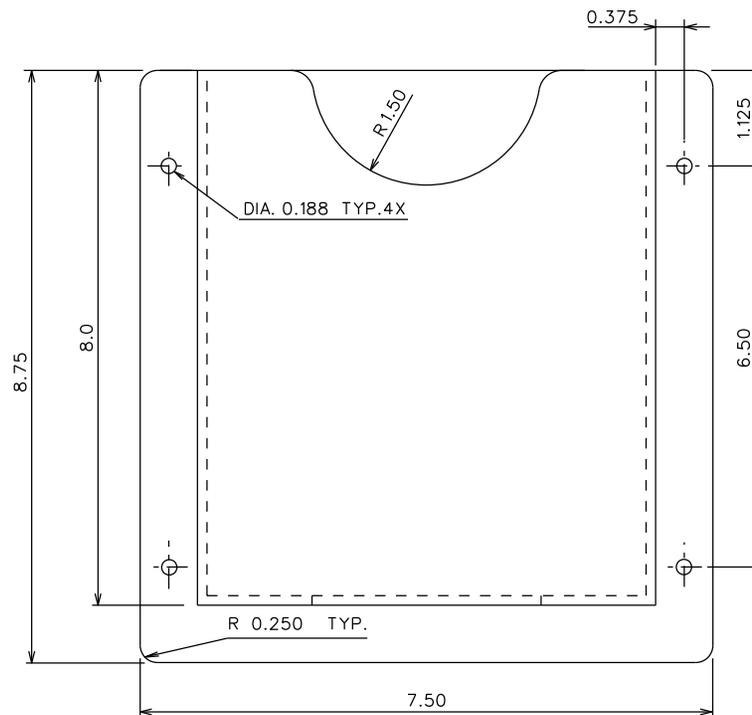
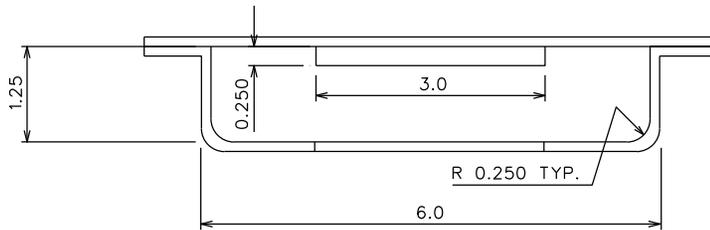
MATERIAL: 1/8" CLEAR ANODIZED 6061 ALUMINUM WITH BRUSHED FINISH.
 MEN/WOMEN/ACCESSIBILITY SYMBOLS: ETCHED AND FILLED-BLACK.
 LETTERS: HELVETICA MEDIUM, RAISED 1/32" HIGH AND PAINTED BLACK.
 TACTILE: TYPE II BRAILLE.
 REMOVE ALL BURRS AND SHARP EDGES

∞ METRA STOCK CODE 49-52870-6

Metra MECHANICAL DEPARTMENT
 CHICAGO, IL 60661

TITLE:
 SIGN "LAVATORY"

						ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: W. Koran	DATE: 5/13/97	SIZE:	SHEET: 1 OF 1
ECN # 08-063	A	9/18/08	A. BRT IS	<i>[Signature]</i>	9/18/08	FRACTIONS DECIMALS ANGLES	APPROVED BY:	DATE:	DRAWING NUMBER:	REV.
DESCRIPTION	REV.	DATE	DRAWN	APPROVED	DATE	±1/16" ±0.06" ±1/2°			M-397	A



NOTES:

- 1 HOLDER TO BE CONSTRUCTED OF 1/8" THICK CLEAR ACRYLIC SHEET , 2 PIECES.
- 2 FRONT PIECE TO BE THERMOFORMED TO SHAPE.
- 3 FRONT AND REAR PIECES TO BE CEMENTED TOGETHER.
- 4 ALL BENDS TO BE 90° EXCEPT WHERE NOTED.

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
HOLDER - HAZARDOUS
MATERIAL BOOK

DRAWN BY:
F. MASCARENHAS

DRAWING NUMBER:
M-524

DATE:
7/12/99

SHEET 1 OF 1

DESCRIPTION	REV.	DATE	DRAWN



MATERIAL: VINYL FILM, BRIGHT ORANGE
3M SCOTCHCAL NO. 180-14

LETTERS: HELVETICA BOLD CENTER JUSTIFIED
BLACK 3M No. 9705

CLEAR COAT: 3M No. 9720.

APPLICATION AID: 3M No. SCPM-44X

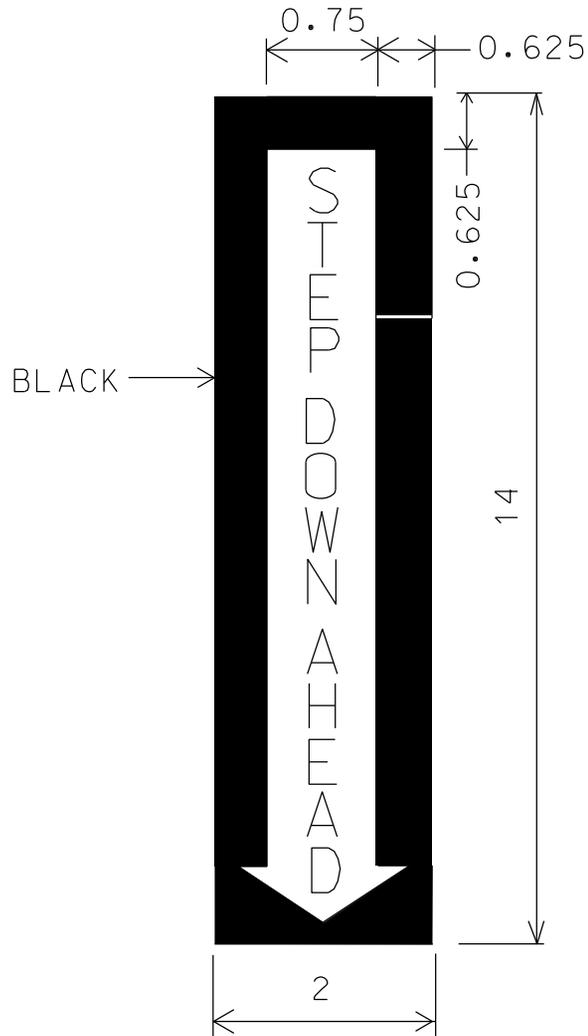
PRINT STOCK CODE & EXPIRATION DATE (2 YEARS
AFTER MANUFACTURE) ON APPLICATION AID.

METRA STOCK #: 49-52575-1

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
DECAL "WARNING"

				DRAWN BY: F. MASCARENHAS	DRAWING NUMBER: M-537	REV.:
Changed notes.	A	1/8/07	FMM	DATE: 9/22/99		A
DESCRIPTION	REV.	DATE	DRAWN			



MATERIAL : VINYL FILM, YELLOW,
3M SCOTCHCAL No. 180-15

LETTERS : HELVETICA BOLD, ON CENTER, $\frac{3}{4}$ " H.
 $\times \frac{3}{8}$ " w., BLACK 3M No. 9705

BACKGROUND : BLACK 3M No. 9705

CLEAR COAT : 3M No. 9720

APPLICATION AID : 3M No. SCPM-44X

SPACING: $\frac{1}{8}$ " BETWEEN LETTERS,
 $\frac{3}{8}$ " BETWEEN WORDS AND TOP BORDER

PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS
FROM THE DATE OF MANUFACTURE) ON THE APPLICATION AID

SUBMIT ARTWORK FOR APPROVAL PRIOR TO PRODUCTION

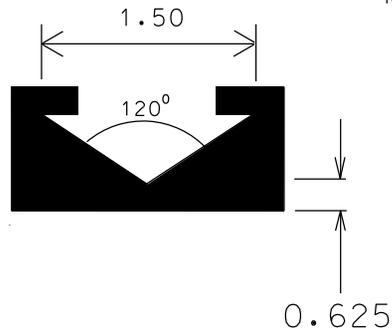
NOTES:

METRA STOCK CODE : 49-52580-1

APPLICATION : AMERAIL & BUDD CARS

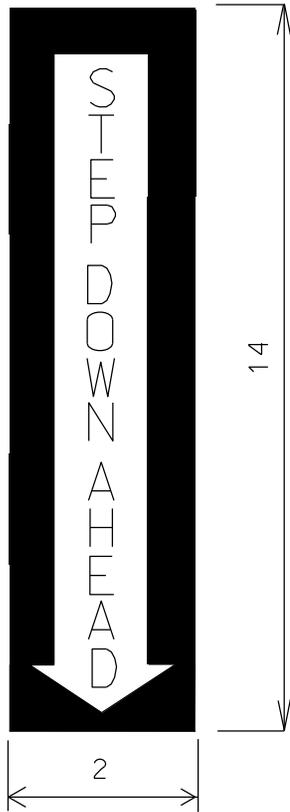
QUANTITY PER CAR : 2

LOCATION : ON EACH END DOOR, NEXT TO GLAZING, EXTERIOR ONLY.
NO DECALS ON PULLMAN CARS.

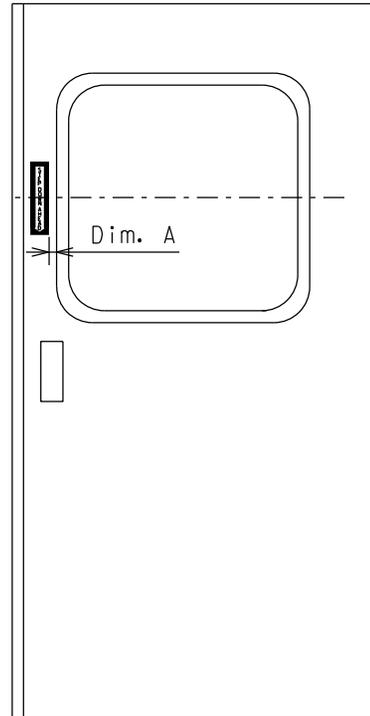


DESCRIPTION	REV.	DATE	DRAWN
Revised material*	B	2/23/00	FMM
ADDED METRA STOCK NUMBER.	A	2/23/00	FMM

Metra MECHANICAL DEPARTMENT CHICAGO, IL 60661		
TITLE SINGLE-SIDED DECAL "STEP DOWN AHEAD"		
DRAWN BY: W. KORAN	DRAWING NUMBER: M-551	REV.:
DATE: 12/16/99		B



DECAL LOCATION, TYP. BOTH END DOORS
(EXTERIOR)



Locate decal at the centerline of door window, above door handle.

Dim. A: $\frac{1}{8}$ " for Amerail cars.

Dim. A: $\frac{1}{2}$ " for Budd cars.

METRA STOCK CODE : 49-52580-1

APPLICATION : AMERAIL & BUDD CARS

QUANTITY PER CAR : 1 EACH ON A & B END DOOR , EXTERIOR ONLY.

NO DECALS ON PULLMAN CARS.

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
DECAL "STEP DOWN AHEAD"

DRAWN BY:
F. MASCARENHAS

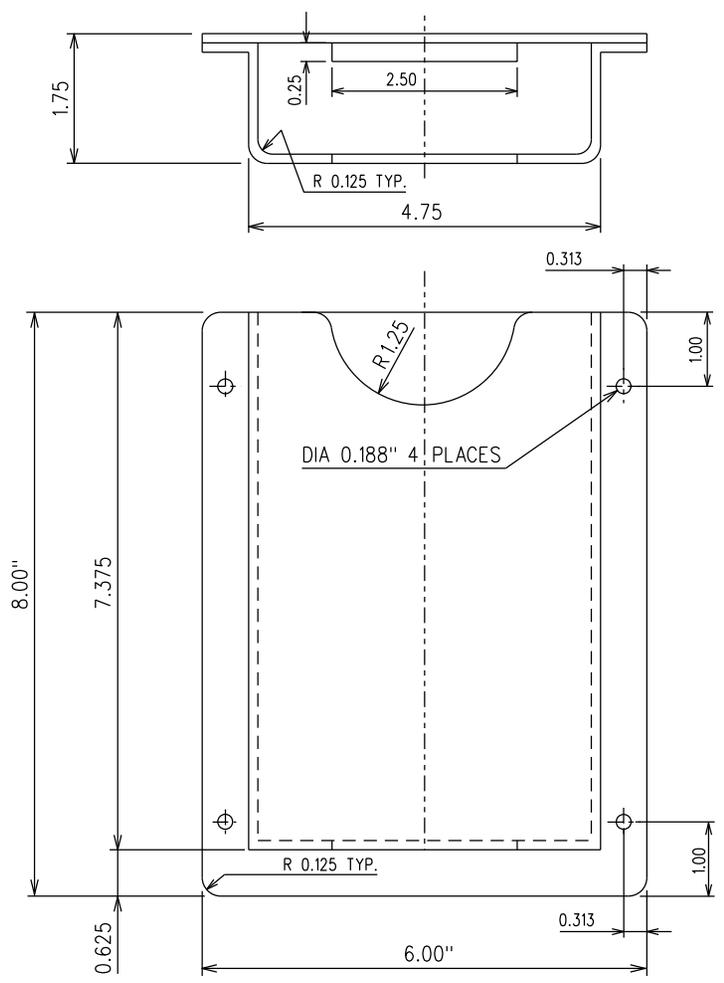
DRAWING NUMBER:

DATE:
2/23/00

M-551

SHEET 2 OF 2

DESCRIPTION	REV.	DATE	DRAWN



NOTES:

1. HOLDER TO BE CONSTRUCTED OF 1/8" THICK CLEAR ACRYLIC SHEET, 2 PIECES.
2. FRONT PIECE TO BE THERMOFORMED TO SHAPE.
3. FRONT AND REAR PIECES TO BE CEMENTED TOGETHER.
4. ALL BENDS TO BE 90° EXCEPT WHERE NOTED.
5. METRA STOCK CODE : 31-30460-3

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE
TIME SCHEDULE HOLDER

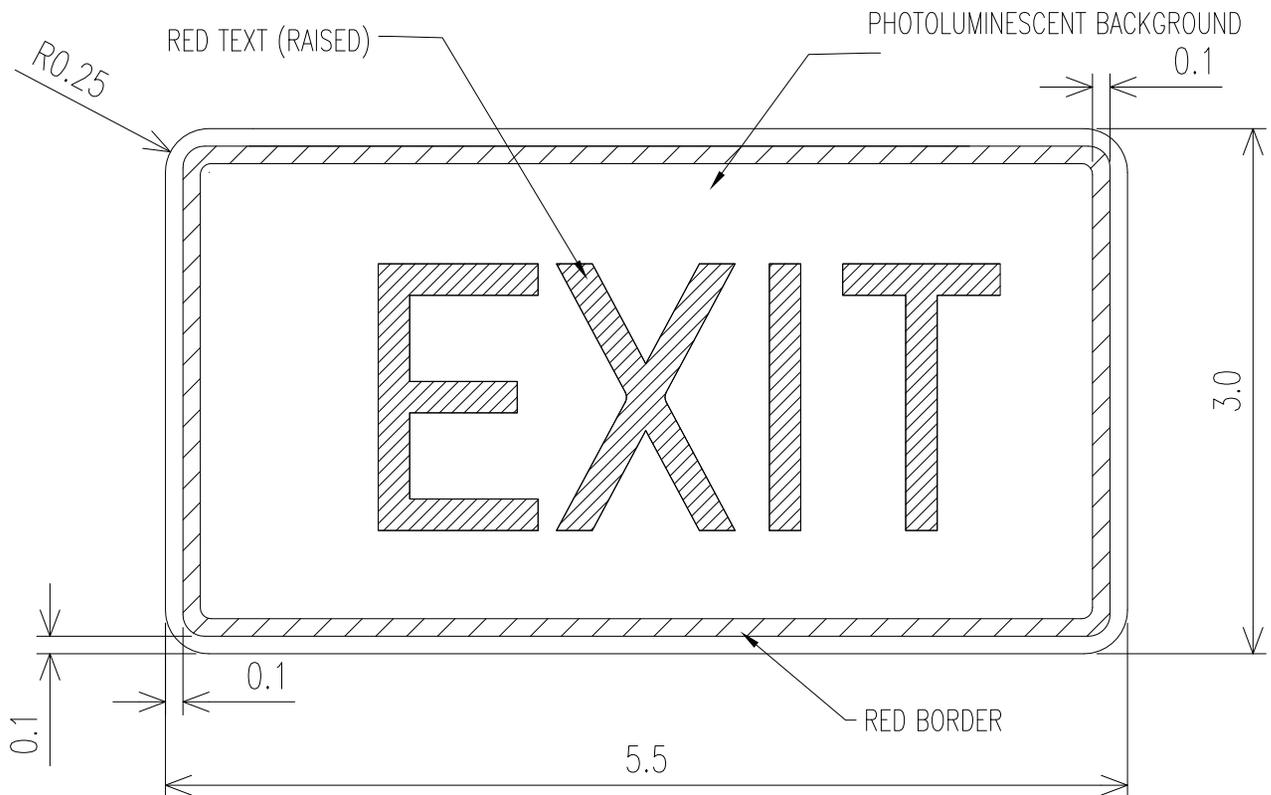
ADDED METRA STOCK NO.	REV.	DATE	DRAWN
A		2/27/01	FMM

ALL DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS
OTHERWISE SPECIFIED
FRACTIONS DECIMALS ANGLES
± 1/16" ± 0.06" ± 1/2°

DRAWN BY:
F. MASCARENHAS
DATE:
8/16/00

DRAWING NUMBER:
M-599

REV.
A

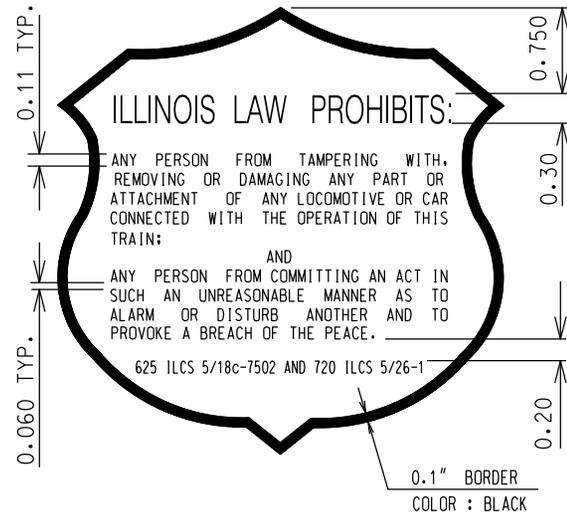
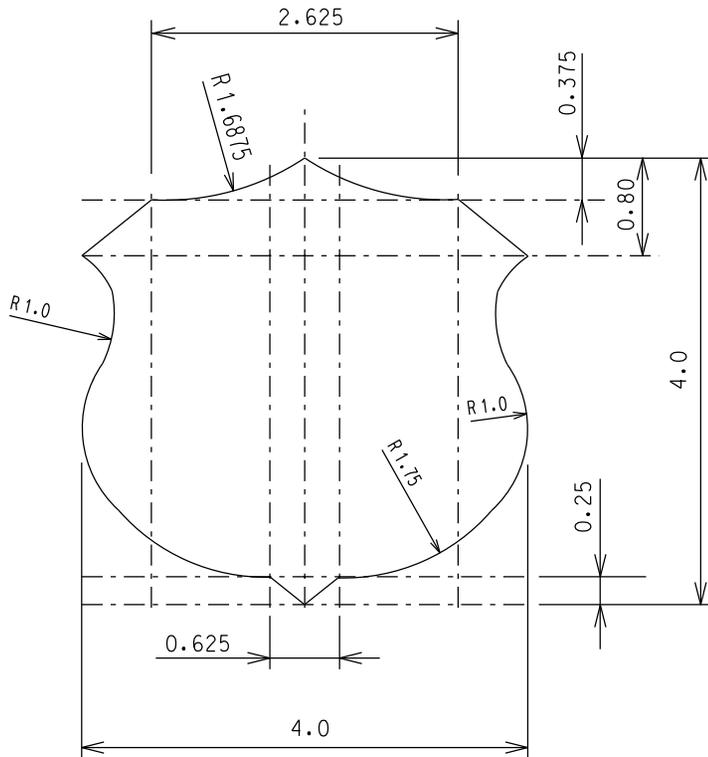


NOTES:

1. MATERIAL : HIGH PERFORMANCE PHTOLUMINESCENT 0.015" VELVET MATTE LEXAN.
2. ADHESIVE : 3M # 4920 VHB (AFTER EMBOSSING).
3. PREMASK : SCPM-44X.
4. LETTERS: 1.50" HEIGHT, SWISS 721 BT BOLD (95% COMPRESSED WIDTH).
5. MATERIAL SHALL CONFORM TO APTA STANDARD PR-PS-002-98 (LATEST REVISION).
6. PRINT EXPIRATION DATE (TWO YEARS AFTER THE DATE OF MANUFACTURE) ON THE APPLICATION AID.

DESCRIPTION	REV.	DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
ECN-16-017	A	AL	2/10/16	FM	2/12/16	<i>[Signature]</i>	2/12/16

DRAWN M.ALIMIRAH	11/11/06	Meta MECHANICAL DEPARTMENT CHICAGO, IL 60661	
CHECKED		TITLE: SIGN "EXIT"	
APPROVED		REPORT ALL ERRORS AND DISCREPANCIES TO METRA MECHANICAL DEPT. IMMEDIATELY	UNCONTROLLED IF NOT ACCESSED FROM THE MECHANICAL DEPARTMENT'S CONTROLLED NETWORK DRIVE. IT IS THE USER'S RESPONSIBILITY TO ENSURE LATEST REVISION
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES AND WELDING, TOLERANCING, AND OTHER REQUIREMENTS ARE PER METRA SPEC M-13-010 (Latest Revision)		SCALE 1:1	SIZE A
		SHEET 1 OF 1	DWG NO M-1145
		REV A	
NOT TO SCALE IF PRINTED UNLESS OTHERWISE SPECIFIED			



MATERIAL : VINYL FILM, TOMATO RED,
3M No. 180-13
COLORS : LETTERS & BORDER - BLACK 3M No. 9705
LETTERS CENTER JUSTIFIED

CLEAR COAT : 3M No. 9720

APPLICATION AID : 3M No. SCPM-44X

PRINT METRA STOCK CODE AND EXPIRATION DATE (TWO YEARS FROM THE DATE OF MANUFACTURE) ON THE APPLICATION AID.

METRA STOCK CODE : 49-52***-*

Metra MECHANICAL DEPARTMENT CHICAGO, IL 60661	
TITLE DECAL "ILLINOIS LAW"	
DRAWN BY: F. Mascarenhas	DRAWING NUMBER: M-1186
DATE: 4/12/07	REV.: -

DESCRIPTION	REV.	DATE	DRAWN

RED
(3M #2912)

BLUE
(3M #2910)

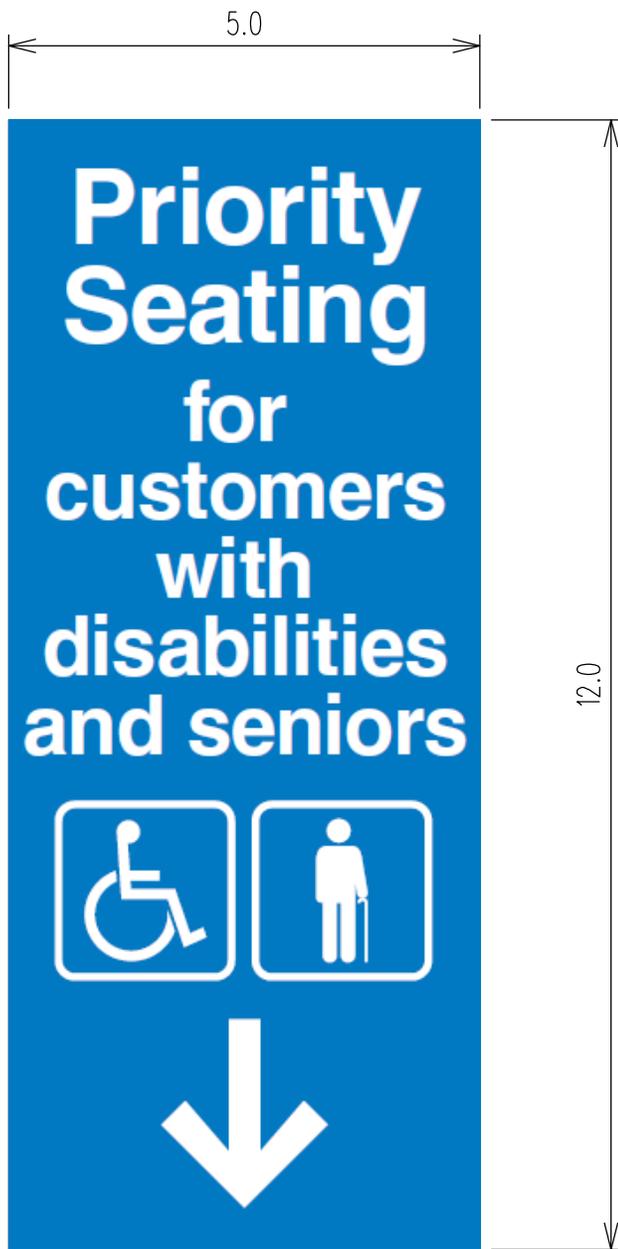


NOTES:

1. MATERIAL : VINYL FILM, WHITE 3M #180-10
2. LETTERS : HELVETICA MEDIUM, CENTER JUSTIFIED
3. CLEAR COAT : 3M NO. 9720
4. APPLICATION AID : 3M NO. SCPM-44X
5. PRINT EXPIRATION DATE (TWO YEARS FROM THE DATE OF MANUFACTURE) ON THE APPLICATION AID.

Metra		MECHANICAL DEPARTMENT CHICAGO, IL 60661	
TITLE: DECAL "Priority Seating is formove when requested"			
DRAWN BY: F. MASCARENHAS	DATE: 4/30/12	SIZE: A	SHEET: 1 OF 1
APPROVED BY: <i>William J...</i>	DATE: 4/30/12	DRAWING NUMBER: M-1681	REV.

						ALL DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DECIMALS ANGLES ±1/16" ±0.06" ±1/2°
DESCRIPTION	REV.	DATE	DRAWN	APPROVED	DATE	



NOTES:

1. MATERIAL : VINYL FILM, WHITE 3M #180-10
2. LETTERS : WHITE, HELVETICA MEDIUM, CENTER JUSTIFIED
3. BACKGROUND: BLUE 3M NO. 2910
4. CLEAR COAT : 3M NO. 9720
5. APPLICATION AID : 3M NO. SCPM-44X
6. PRINT EXPIRATION DATE (TWO YEARS FROM THE DATE OF MANUFACTURE) ON THE APPLICATION AID.

Metra MECHANICAL DEPARTMENT
CHICAGO, IL 60661

TITLE: DECAL "Priority Seating for
.....disabilities and seniors"

DESCRIPTION	REV.	DATE	DRAWN	APPROVED	DATE

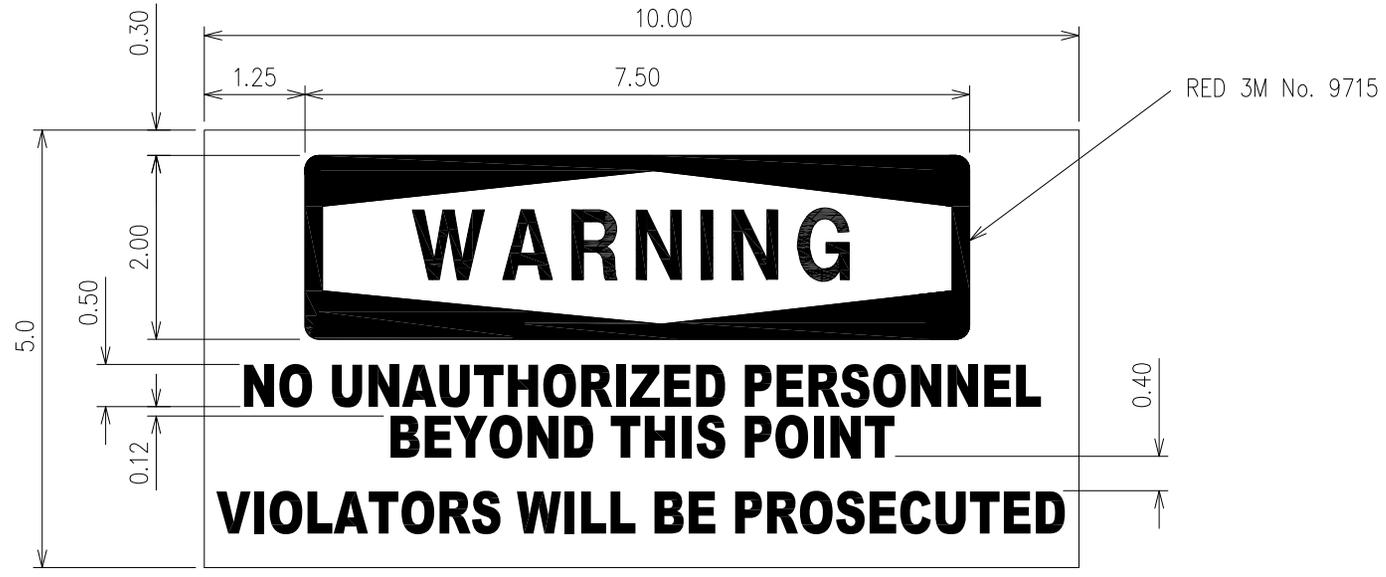
ALL DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS
OTHERWISE SPECIFIED
FRACTIONS DECIMALS ANGLES
±1/16" ±0.06" ±1/2°

DESIGN BY: F. MASCARENHAS	DATE: 4/30/12	SIZE: A	SHEET: 1 OF 1
APPROVED BY: <i>William J. ...</i>	DATE: 4/30/12	DRAWING NUMBER: M-1682	REV.

1 2 3 4 5 6

ITEM NO.	DESCRIPTION	MATERIAL/DRAWING	QTY	REMARKS

D D



C C

B B

MATERIAL: VINYL FILM, WHITE
3M SCOTCHCAL NO. 180-10

LETTERS: HELVETICA BOLD CENTER JUSTIFIED
RED 3M No. 9715

CLEAR COAT: 3M No. 9720.

APPLICATION AID: 3M No. SCPM-44X

PRINT STOCK CODE & EXPIRATION DATE (2 YEARS
AFTER MANUFACTURE) ON APPLICATION AID.

A A

DESCRIPTION	REV.	DRAWN	DATE	CHECKED	DATE	APPROVED	DATE

DRAWN F. Mascarenhas	3/8/16	Metra MECHANICAL DEPARTMENT CHICAGO, IL 60661
CHECKED W. Koran	3/9/16	
APPROVED <i>William John</i>		3/9/16
TITLE:		DECAL "WARNING" CAB DOOR
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES AND WELDING, TOLERANCING, AND OTHER REQUIREMENTS ARE PER METRA SPEC M-13-010 (Latest Revision)		REPORT ALL ERRORS AND DISCREPANCIES TO METRA MECHANICAL DEPT. IMMEDIATELY
SCALE		1:2
SIZE		A
SHEET		1 OF 1
DWG NO		M-1968
REV		
NOT TO SCALE IF PRINTED UNLESS OTHERWISE SPECIFIED		

1 2 3 4 5 6