NOTES:
1. COMMUNICATIONS SHELTER NOT SHOWN FOR CLARITY.
   FOR COMMUNICATIONS SHELTER LOCATION SEE SCRRA DESIGN CRITERIA.
2. CRITERIA SHOWN ON THIS DRAWING FOR PEDESTRIAN CROSSING
   SHALL BE APPLIED WHEN A PEDESTRIAN CROSSING IS REQUIRED
   AT END OF PLATFORM FOR ADDITIONAL INFORMATION
   ON PEDESTRIAN CROSSING SEE SCRRA STANDARD DRAWING
   ES4020 AND ES4021.

---

METROLINK STATION STANDARDS

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
1056 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ENGINEERING STANDARDS

METROLINK STATION STANDARDS

SIDE PLATFORMS

---

NOTES:
1. COMMUNICATIONS SHELTER NOT SHOWN FOR CLARITY.
2. CRITERIA SHOWN ON THIS DRAWING FOR PEDESTRIAN CROSSING
   SHALL BE APPLIED WHEN A PEDESTRIAN CROSSING IS REQUIRED
   AT END OF PLATFORM FOR ADDITIONAL INFORMATION
   ON PEDESTRIAN CROSSING SEE SCRRA STANDARD DRAWING
   ES4020 AND ES4021.

---

REVISED PLATFORMS AT MINI-HIGH LOCATIONS

---

REVISED NOTES (NOTE 8 OMITTED)

---

OMIT CPUC RAMP & DETAILS, REVISE PLAN AND NOTES

---

ADDED CPUC RAMP

---

1. 150'-0" PLATFORM (LIGHT POLES @ 160'-0" O.C. MAX.)
2. 150'-0" (MIN)

---

END OF PLATFORM AT GRADE PED CROSSING

---

END OF PLATFORM AT GRADE PED CROSSING

---

OVERPASS/UNDERPASS TO BE LOCATED AT CENTER OF PLATFORM OR NEAREST TO MINI-HIGH PLATFORM AS PRACTICABLE

---

AS NOTED
NOTES:
1. CRITERIA SHOWN ON THIS DRAWING FOR PEDESTRIAN CROSSING SHALL ALSO BE APPLIED WHEN A PEDESTRIAN CROSSING IS REQUIRED AT OPPOSITE END OF PLATFORM FOR ADDITIONAL.
2. IF APPROVAL IS GRANTED FOR CONSTRUCTION OF CENTER PLATFORM BY SCRR ASSISTANT DIRECTOR DESIGN THE CONFIGURATION SHOWN ON THIS DRAWING IS RECOMMENDED.

ROTÉM & BOMBARDIER CARS
NOTE:
RAMP LENGTH WILL VARY DEPENDANT ON
LONGITUDINAL SLOPE OF PLATFORM. RAMP
LENGTH OF 17'-4" SHOWN IS BASED ON
LONGITUDINAL PLATFORM SLOPE OF 0%.

SIDE PLATFORM (DOUBLE RAMP)

SIDE PLATFORM (SINGLE RAMP)

CENTER PLATFORM
MINI-HIGH PLATFORM SCHEDULES

MINI - HIGH PLATFORM DETAILS

ENGINEERING STANDARDS

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L. A., CA 90017

ASSISTANT DIRECTOR, DESIGN
PRINCIPAL ENGINEER, DESIGN & STANDARDS
NOTES:
1. PRECAST MINI-HIGH PLATFORM DESIGN, MATERIAL, AND INSTALLATION SHALL BE AS PER SCRRA SPECIFICATIONS.
2. RAMP LENGTH WILL VARY DEPENDENT ON LONGITUDINAL SLOPE OF PLATFORM. RAMP LENGTH OF 17'-4" SHOWN IS BASED ON LONGITUDINAL PLATFORM SLOPE OF 0%.
3. MINI-HIGH SHALL COMPLY WITH THE LATEST ADA REGULATIONS.

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - REAR VIEW
TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

PRECAST MINI-HIGH PLATFORM PLAN

LIMIT FOR TYPE 2
LIMIT FOR TYPE 2
LIMIT FOR TYPE 2

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - REAR VIEW
TYPE 2 - REAR VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
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TYPE 3 - FRONT/REAR VIEW

MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
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MINI-HIGH PLATFORM SCHEDULES

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MINI-HIGH PLATFORM SCHEDULES

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MINI-HIGH PLATFORM SCHEDULES

TYPE 1 - FRONT VIEW
TYPE 2 - FRONT VIEW
TYPE 3 - FRONT/REAR View
NOTES:
1. LIGHT POLE AND CANOPY SHOWN AS REFERENCE ONLY.
2. STATION FURNITURE (BENCHES, TRASH RECEPTACLES) SHALL BE PLACED AT THE BACK OF THE PLATFORM.
3. LED MESSAGE SIGN MOUNTED ON CANOPIES SHALL NOT BE WITHIN 3'-0" OF THE TRACK CENTERLINE.

M. LANDSCAPING
1% SLOPE MIN. CLEAR
MIN. 6" THICK CAST-IN-PLACE CONCRETE FENCE
MIN. 6" THICK CAST-IN-PLACE PLATFORM EDGE FENCER
SIDE PLATFORM

6" INCH
12'-0"
MAIN CLEARANCE

12'-0"

TOP OF RAIL

MIN. CLEARANCE

SEE SCRRA ENGINEERING STANDARD ❘❙❙❙ FOR FOOTING DETAILS

SEE SCRRA ENGINEERING STANDARD ❘❙❙❙ FOR FOOTING DETAILS

MIN. 6" THICK HOT MIX ASPHALT

LED MESSAGE SIGN, SEE NOTE 1

INTERTRACK FENCE

M. WALKWAY
44" MIN. PER ES3203

MAINTAIN 44" MIN. WALKWAY TIE TO ES2003

TYPICAL SECTIONS
SIDE PLATFORMS

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
850 WILSHIRE BLVD., SUITE 1500, L. A., CA 90017

PRINCIPAL ENGINEER, DESIGN & STANDARDS
ASSISTANT DIRECTOR, DESIGN
**NOTES:**

1. **Light Pole and Canopy** shown as referenced only. Actual design to be determined by the Architect.
2. **Station Furniture** shown is not Determined. Shall be placed at the center of the Platform.
3. **LED Message Sign mounted on Canopy** shall not be within 12'-0" of the Track Centerline.

---

**ENGINEERING STANDARDS**

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
100 WILSHIRE BLVD, SUITE 1500, L.A., CA 90017

ASSISTANT DIRECTOR, DESIGN
PRINCIPAL ENGINEER, DESIGN & STANDARDS

---

**CENTER PLATFORM**

**TOP OF RAIL**

**1% SLOPE**

**MIN. 6" THICK**

**CONCRETE SLAB**

**CAST-IN-PLACE**

**MIN. 12'-0"**

**Track**

**MIN. 9'-0"**

**MIN. EDGE FOUNDATION**

**CAST-IN-PLACE PLATFORM (TYP)**

**HOT MIX ASPHALT 6" THICK**

**PER ES3203 WARNING TILE DETECTABLE**

**SEE NOTE 3 LED MESSAGE SIGN, MAINTAIN 44" MIN. WALKWAY**

---

**CAST-IN-PLACE PLATFORM EDGE FOUNDATION**

**TOP OF RAIL**

**35'-0"**

**PLATFORM**

**9'-0"**

**MIN. 15'-0"**
Please wait behind yellow line.

Yellow detectable warning tile panel, dome orientation shall be staggered per detail on ES3203-02.

4½" wide yellow stripe.

Directional bar tile, to be located per ES3004.

Section

Scale: ½" = 1'-0"
GENERAL SIGNAGE NOTES

1. ALL TYPESETTING SHALL BE PROVIDED BY SIGN CONTRACTOR. LETTER SPACING TO BE "NORMAL" SPACING FOR ALL SIGNS EXCEPT AS SPECIFIED OTHERWISE. SIGN CONTRACTOR SHALL PROVIDE SCRRA WITH TYPICAL SPACING PATTERNS FOR APPROVAL PRIOR TO FABRICATION.

2. ALL INSTALLATION LOCATIONS AND CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.

3. ALL SIGNS SHALL BE INSTALLED AS PER EXISTING/CURRENT CODE REQUIREMENTS FOR SAFE AND SECURE MOUNTING.

4. SIGN CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATIONS WITH SCRRA.

5. SIGN CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ALL MATERIAL DETAILS AND SPECIFIC INSTRUCTIONS.

6. SIGN CONTRACTOR SHALL PROVIDE ALL ENGINEERING OF SIGN AND GRAPHIC ITEM INCLUDING, BUT NOT LIMITED TO, INTERNAL STRUCTURE, ELECTRICAL AND MECHANICAL PARTS, CONCRETE FOOTING AND APPLICABLE CODES AND REGULATIONS. SHOP DRAWINGS SHALL CARRY THE ENGINEER'S STAMP AND BE SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.

7. SIGN CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL SIGNS. ALL ATTACHMENT DETAILS SHALL BE SHOWN ON SHOP DRAWINGS AND DRAWINGS SHALL BE SUBMITTED TO SCRRA FOR APPROVAL PRIOR TO FABRICATION.

8. ALL EXPOSED SIGN SURFACES, ATTACHMENTS, EDGES AND SLOTS SHALL BE PAINTED OR PREPAINTED AS NOTED TO PREVENT RUST.

9. NO SIGN SHALL BE INSTALLED WITHIN THE PUBLIC UTILITIES COMMISSION CLEARANCE CENTER OF TANGENT TRACK.

LEGEND:

XXX THE FIRST NUMBER DENOTES THE SIGN TYPE.

XXX THE SECOND NUMBER DENOTES THE SPECIFIC SIGN OF THAT SIGN TYPE. FOR DETAILS SEE APPROPRIATE STANDARD FOR LISTED SIGN TYPE.

SHEET INDEX

PAGE DESCRIPTION

ES3301-01 WAYFINDING NOTES AND SHEET INDEX
ES3302-01 GRAPHIC STANDARDS
ES3303-01 STATION SIGN MENU
ES3303-02 STATION SIGN INDEX

LOCATION PLANS
CES3303-01 STATION SITE - TYPICAL SIGN LOCATION PLAN
CES3303-02 SIDE PLATFORM - TYPICAL SIGN LOCATION PLAN
CES3303-03 CENTER PLATFORM - TYPICAL SIGN LOCATION PLAN

DESIGN DRAWINGS

ES3305 SIGN TYPE 1: PRIMARY IDENTIFICATION MONUMENT SIGN
ES3306 SIGN TYPE 2: VEHICULAR DIRECTIONAL FREESTANDING SIGN
ES3307-01 SIGN TYPE 3: INFORMATION/RESTRICTIVE EXIT SIGN INSTALLATION DETAILS
ES3307-02 SIGN TYPE 3: INFORMATION/RESTRICTIVE EXIT SIGN INSTALLATION DETAILS
ES3307-03 SIGN TYPE 3: INFORMATION/RESTRICTIVE EXIT SIGN INSTALLATION DETAILS
ES3308 SIGN TYPE 4: TRAILBLAZER DIRECTIONAL SIGN
ES3309 SIGN TYPE 4: TRAILBLAZER DIRECTIONAL SIGN
ES3310 SIGN TYPE 5: PARKING RESTRICTIVE SIGN POLE MOUNTED
ES3311 SIGN TYPE 6: ACCESSIBLE PARKING INFORMATION SIGN
ES3312 SIGN TYPE 6: ACCESSIBLE PARKING INFORMATION SIGN
ES3313 SIGN TYPE 6: ELEVATOR DIRECTIONAL SIGN
ES3314 SIGN TYPE 6: ELEVATOR IDENTIFICATION SIGN PILLAR MOUNTED
ES3315 SIGN TYPE 7: PEDESTRIAN WARNING SIGNS AT STATION PLATFORMS
ES3316 SIGN TYPE 7: PEDESTRIAN WARNING SIGNS AT STATION PLATFORMS
ES3317 SIGN TYPE 7: PEDESTRIAN WARNING SIGNS AT STATION PLATFORMS
ES3318 SIGN TYPE 8: TRACK DIRECTIONAL SIGN
ES3319 SIGN TYPE 8: TRACK DIRECTIONAL SIGN
ES3320-01 SIGN TYPE 9: ELEVATOR IDENTIFICATION SIGN
ES3320-02 SIGN TYPE 9: ELEVATOR IDENTIFICATION SIGN AT TRACK
ES3321 SIGN TYPE 10: PEDESTRIAN DIRECTIONAL SIGN GATE MOUNTED
ES3322 SIGN TYPE 10: PEDESTRIAN DIRECTIONAL SIGN GATE MOUNTED
ES3323 SIGN TYPE 11: PEDESTRIAN DIRECTIONAL TO POST MOUNTED
ES3324-01 SIGN TYPE 11: PEDESTRIAN DIRECTIONAL TO POST MOUNTED
ES3324-02 SIGN TYPE 11: PEDESTRIAN DIRECTIONAL TO POST MOUNTED
ES3325 SIGN TYPE 12: PEDESTRIAN DIRECTIONAL SIGN GATE MOUNTED
ES3326 SIGN TYPE 12: PEDESTRIAN DIRECTIONAL SIGN GATE MOUNTED
ES3327 SIGN TYPE 12: PEDESTRIAN DIRECTIONAL SIGN GATE MOUNTED
ES3328 SIGN TYPE 13: PEDESTRIAN DIRECTIONAL SIGN POST MOUNTED
ES3329 SIGN TYPE 13: PEDESTRIAN DIRECTIONAL SIGN POST MOUNTED
ES3330-01 SIGN TYPE 14: STATION IDENTIFICATION SIGN
ES3330-02 SIGN TYPE 14: STATION IDENTIFICATION SIGN AT TRACK
ES3330-03 SIGN TYPE 14: STATION IDENTIFICATION SIGN AT TRACK
ES3330-04 SIGN TYPE 14: STATION IDENTIFICATION SIGN AT TRACK
ES3330-05 SIGN TYPE 14: STATION IDENTIFICATION SIGN AT TRACK
ES3330-06 SIGN TYPE 14: STATION IDENTIFICATION SIGN AT TRACK
ES3331 SIGN TYPE 15: DESIGN DRAWINGS
ES3332 SIGN TYPE 15: DESIGN DRAWINGS
ES3333 SIGN TYPE 15: DESIGN DRAWINGS
ES3334 SIGN TYPE 15: DESIGN DRAWINGS
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ES3337 SIGN TYPE 15: DESIGN DRAWINGS
ES3338 SIGN TYPE 15: DESIGN DRAWINGS
ES3339 SIGN TYPE 15: DESIGN DRAWINGS
ES3340 SIGN TYPE 15: DESIGN DRAWINGS

WAYFINDING NOTES AND SHEET INDEX

ENGINEERING STANDARDS

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
380 WILSHIRE BLVD, SUITE 1500, L.A., CA 90017

ES3301-01
SIGNAGE COLORS

<table>
<thead>
<tr>
<th>PRIMARY</th>
<th>SECONDARY</th>
<th>WARNING &amp; TRACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLACK PMS BLACK 6C</td>
<td>SEA GREEN 10C</td>
<td>ACCESS BLUE PMS 801C</td>
</tr>
<tr>
<td>WHITE PMS 1065C</td>
<td>ORANGE PMS 193C</td>
<td>RED PMS 193C</td>
</tr>
<tr>
<td>TC4 PMS 323TC</td>
<td>GRAY PMS 084C</td>
<td>YELLOW PMS 196C</td>
</tr>
</tbody>
</table>

SIGNAGE SYMBOLS

1. ARROW
2. RAIL CROSSING
3. DO NOT ENTER
4. NO PARKING
5. NO SMOKING
6. TRAIN
7. PARKING
8. ACCESSIBILITY
9. TELEPHONE
10. RESTROOMS
11. BUS
12. TAXI
13. BICYCLE PARKING
14. MOTORCYCLE PARKING
15. DO NOT CROSS TRACKS
16. ELEVATOR TYPE I
17. ELEVATOR TYPE II
18. INFORMATION

METROLINK LOGO

NOTE: DIGITAL FILES OF METROLINK LOGOTYPE TO BE PROVIDED BY SCRRA

SIGNAGE TYPOGRAPHY

BERTOLD AKZIDENZ GROTESK SUPER

ABCDEFHGIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

BERTOLD AKZIDENZ GROTESK MEDIUM

0123456789

ENGINEERING STANDARDS

GRAPHIC STANDARDS

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
850 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017
NOTES:
1. THE TYPICAL SIGNAGE TYPES USED AT A STATION ARE SHOWN IN THIS STANDARD.
2. FOR TYPICAL SIGN LOCATION PLACEMENT AT STATIONS AND PLATFORMS SEE ES3303.

SIGN TYPE 1
PRIMARY IDENTIFICATION SIGN - MONUMENT

SIGN TYPE 2
VEHICULAR DIRECTIONAL SIGN - FREESTANDING

SIGN TYPE 3
INFORMATION/RESTRICTIVE SIGN

SIGN TYPE 4
TRAILBLAZER DIRECTIONAL SIGN

SIGN TYPE 5
PARKING RESTRICTIVE SIGN - POLE MOUNTED

SIGN TYPE 6
ACCESSIBLE PARKING IDENTIFICATION SIGN

SIGN TYPE 7
ACCESSIBLE PARKING INFORMATION SIGN

SIGN TYPE 8
TRACK DIRECTIONAL SIGN

SIGN TYPE 9
ELEVATOR DIRECTIONAL SIGN

SIGN TYPE 10
ELEVATOR IDENTIFICATION SIGN - FLAG MOUNTED

SIGN TYPE 11
PEDESTRIAN WARNING SIGN

SIGN TYPE 12
PEDESTRIAN DIRECTIONAL SIGN

SIGN TYPE 13
PEDESTRIAN DIRECTIONAL LOOK SIGN - POLE MOUNTED

SIGN TYPE 14
STATION IDENTIFICATION SIGN - SMALL POLE MOUNTED

SIGN TYPE 15
CPUC RAILROAD CROSSING SIGN

SIGN TYPE 16
ACCESSIBLE SIGN

ENGINEERING STANDARDS
STATION SIGN MENU

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ASSISTANT DIRECTOR, DESIGN
PRINCIPAL ENGINEER, DESIGN & STANDARDS

A. CARLOS
04/01/09

METROLINK.
NOTES:
1. THIS STANDARD REPRESENTS TYPICAL SIGNAGE LOCATION PLACEMENT AT A METROLINK STATION AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS AND SIGN REQUIREMENTS MAY VARY FROM THIS STANDARD.

2. METROLINK ONLY VEHICLE STALLS SHALL BE LOCATED AS CLOSE TO THE COMMUNICATION HOUSE AS POSSIBLE WITHOUT IMPACTING ANY REQUIRED ACCESSIBLE PARKING STALLS. DISCUSS WITH SCRRA IF ADDITIONAL METROLINK ONLY VEHICLE STALLS ARE REQUIRED FOR THE STATION.
NOTE:

This standard represents typical signage location placement on a Metrolink station side platform and is shown for reference only. Actual platform and sign type requirements may vary from this plan.

The data or information contained herein. The selection and use of these standards is the sole responsibility of the user and should not be used without consulting a registered professional engineer. All warranties and representations of any kind are disclaimed. Anyone making use of these standards agrees that it assumes all liability arising from such use. No part of these standards should be reproduced or distributed in any form or by any means without the prior written permission of SCRRA. SCRRA Engineering Standards are intended for SCRRA approved uses only. All rights reserved.

A. Carlos

04/01/09

3303

NTS

2 OF 3

ES3303-02

TYPICAL SIGN LOCATION PLAN

SIDE PLATFORM

PLATFORM

STATION ENTRANCE

PLATFORM

FENCE

TRACK

STATION IDENTIFICATION SIGN (TYP)

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"NO BICYCLING" SIGN

"PLEASCE PURCHASE TICKET" SIGN

"CAUTION" SIGN (TYP)

ACCESSIBLE RAMP IDENTIFICATION SIGN

STATION IDENTIFICATION SIGN

ADA STATION IDENTIFICATION SIGN

SIGN

TICKET" PURCHASE "PLEASE

NOTE:

THIS STANDARD REPRESENTS TYPICAL SIGNAGE LOCATION PLACEMENT ON A METROLINK STATION SIDE PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL PLATFORM AND SIGN TYPE REQUIREMENTS MAY VARY FROM THIS PLAN.

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A. CARLOS

04/01/09

3303

NTS

2 OF 3

ES3303-02

TYPICAL SIGN LOCATION PLAN

SIDE PLATFORM

PLATFORM

STATION ENTRANCE

PLATFORM

FENCE

TRACK

STATION IDENTIFICATION SIGN (TYP)

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"NO BICYCLING" SIGN

"PLEASCE PURCHASE TICKET" SIGN

"CAUTION" SIGN (TYP)

ACCESSIBLE RAMP IDENTIFICATION SIGN

STATION IDENTIFICATION SIGN

ADA STATION IDENTIFICATION SIGN

SIGN

TICKET" PURCHASE "PLEASE

NOTE:

THIS STANDARD REPRESENTS TYPICAL SIGNAGE LOCATION PLACEMENT ON A METROLINK STATION SIDE PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL PLATFORM AND SIGN TYPE REQUIREMENTS MAY VARY FROM THIS PLAN.

THE DATA OR INFORMATION CONTAINED HEREIN. THE SELECTION AND USE OF THESE STANDARDS IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER. ALL WARRANTIES AND REPRESENTATIONS OF ANY KIND ARE DISCLAIMED. ANYONE MAKING USE OF THESE STANDARDS AGREES THAT IT ASSUMES ALL LIABILITY ARISING FROM SUCH USE. NO PART OF THESE STANDARDS SHOULD BE REPRODUCED OR DISTRIBUTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA. SCRRA ENGINEERING STANDARDS ARE INTENDED FOR SCRRA APPROVED USES ONLY. ALL RIGHTS RESERVED.

A. CARLOS

04/01/09

3303

NTS

2 OF 3

ES3303-02

TYPICAL SIGN LOCATION PLAN

SIDE PLATFORM

PLATFORM

STATION ENTRANCE

PLATFORM

FENCE

TRACK

STATION IDENTIFICATION SIGN (TYP)

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"DO NOT ENTER" SIGN

"NO SMOKING" SIGN

"NO BICYCLING" SIGN

"PLEASCE PURCHASE TICKET" SIGN

"CAUTION" SIGN (TYP)

ACCESSIBLE RAMP IDENTIFICATION SIGN

STATION IDENTIFICATION SIGN

ADA STATION IDENTIFICATION SIGN

SIGN

TICKET" PURCHASE "PLEASE

NOTE:

THIS STANDARD REPRESENTS TYPICAL SIGNAGE LOCATION PLACEMENT ON A METROLINK STATION SIDE PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL PLATFORM AND SIGN TYPE REQUIREMENTS MAY VARY FROM THIS PLAN.

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NOTE:

THIS STANDARD REPRESENTS TYPICAL SIGNAGE LOCATION PLACEMENT ON A METROLINK STATION CENTER PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL PLATFORM AND SIGN TYPE REQUIREMENTS MAY VARY FROM THIS PLAN.

NOTE:

THE DATA OR INFORMATION CONTAINED HEREIN. THE SELECTION AND USE OF THESE STANDARDS IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER. ALL WARRANTIES AND REPRESENTATIONS OF ANY KIND ARE DISCLAIMED. ANYONE MAKING USE OF SCRRA ENGINEERING STANDARDS ARE INTENDED FOR SCRRA APPROVED USES ONLY. THE SELECTION AND USE OF THESE WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA. NO PART OF THESE STANDARDS SHOULD BE REPRODUCED OR DISTRIBUTED IN ANY FORM OR BY ANY MEANS WITHOUT SCRRA SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF USE. NO PART OF THESE STANDARDS SHOULD BE REPRODUCED OR DISTRIBUTED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA.
NOTES:
1. SIGN CONTRACTOR SHALL ENGINEER FABRICATION AND INSTALLATION OF SIGN STRUCTURE TO SATISFY ALL LOCAL CODES & WIND LOAD FACTORS.
2. SIGN PANEL TO BE PORCELAIN ENAMEL WITH SMOOTH-FINISHED EDGES & SEAMS. MARINE GRADE PLYWOOD-FILLED INTERIOR.
3. ALL FASTENERS SHALL BE PLATED FASTENERS AND SHALL BE PAINTED TO MATCH SIGN FACE.

SHALL BE PAINTED TO MATCH SIGN FACE. ALL FASTENERS SHALL BE PLATED FASTENERS AND FILLED INTERIOR. FINISHED EDGES & SEAMS; MARINE GRADE PLYWOOD-

ENAMEL PANEL• PAN STYLE PORCELAIN DOUBLE-FACED 2-PART ALUMINUM POST 1'-0" DIA.
STEEL REVEAL
GRADE PLYWOOD PANELS TO PREVENT OIL-CANNING
INTERNAL STRUCTURE AS REQ'D. INSERT MARINE ELECTRICAL CONDUIT

FONT COLOR: WHITE
PANEL COLOR: TEAL
REVEAL COLOR: GRAY
FABRICATED ALUMINUM
REV. COLOR GRAY
LINE COLOR: WHITE
BAR COLOR: ORANGE
COLOR: WHITE ALUMINUM POST

CONCRETE FOOTING TO DEPTH AS REQUIRED

ENGINEERING STANDARDS
SIGN TYPE 1 PRIMARY IDENTIFICATION MONUMENT SIGN
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ASSISTANT DIRECTOR, DESIGN
PRINCIPAL ENGINEER, DESIGN & STANDARDS
A. CARLOS

NDP

1 OF 1
ES3305

REVISED DETAIL "A" AND "D"
REVISED DETAILS A, B, C AND D
REVISED SIGN TYPE NUMBER, TITLE

NOT TO SCALE
AS NOTED
NOTES:
1. SIGN CONTRACTOR SHALL ENGINEER FABRICATION AND INSTALLATION OF SIGN STRUCTURE TO SATISFY ALL LOCAL CODES & WIND LOAD FACTORS.
2. SIGN PANEL TO BE PORCELAIN ENAMEL WITH SMOOTH FINISHED EDGES & SEAMS; MARINE GRADE PLYWOOD-FILLED INTERIOR.
3. ALL FASTENERS SHALL BE PLATED FASTENERS AND SHALL BE PAINTED TO MATCH SIGN FACE.

PLAN

SCALE: 1½" = 1'-0"

PLAN SECTION

NOT TO SCALE

ELEVATION DOUBLE-FACED

SIDE VIEW

STEEL POST

DOUBLE-FACED 2-PART PORCELAIN ENAMEL PANEL

STEEL REVEAL

INTERNAL STRUCTURE AS REQUIRED; MARINE GRADE PLYWOOD PANELS TO PREVENT OIL-CANNING.

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ENGINEERING STANDARDS
SIGN TYPE 2
VEHICULAR DIRECTIONAL FREESTANDING SIGN
**NOTES:**

1. Sign to be constructed of 1/8" thick aluminum.
2. Specific colors of the colors noted are specified on ES3303-02.
3. Fonts, symbols, and arrows shall be silkscreened on painted, unless otherwise noted.
4. Seal sign with transparent anti-graffiti film.
5. For sign mounting details, see details on ES3340.
6. All fasteners and mountings shall be galvanized or stainless steel painted to match surrounding color.
7. Continue paint color used on front of sign to sides. Paint back of panel with dominant color.

**ENGINEERING STANDARDS**

**SIGN LAYOUTS**

**Track Identification Sign Layout - Double Sided**

- Elevator to Bridge for Access to Track 2
- Access to Tracks 1 & 2
- Bridge to Track 2
- Exit Salida
- No Parking Loading Zone

**SIGN LAYOUTS**

**TRACK IDENTIFICATION SIGN LAYOUT**

**ES3301-02**

**LOGO COLORS PER THIS SIGN ONLY**

**Panel Color: Teal**

**Font Color: White**

**ARROW COLOR: ORANGE (TYP)**

**NOTES:**

- Panel color used on front of sign to sides.
- Paint back of panel with dominant color.
- All fasteners and mountings shall be galvanized or stainless steel painted to match surrounding color.
- Seal sign with transparent anti-graffiti film.
- Specific colors of the colors noted are specified on ES3303-02.
- Fonts, symbols, and arrows shall be silkscreened on painted, unless otherwise noted.

**ENGINEERING STANDARDS**

**SIGN TYPE 3 INFORMATION/RESTRICTIVE SIGN LAYOUTS**
EXIT SIGN INSTALLATION DETAILS

INFORMATION / RESTRICTIVE

SIGN TYPE 3

NOTES:

1. Where fence is located less than 10'-2" from centerline of track, install tall version of sign with sign panel pointing away from track.

2. Where distance from centerline of track to fence is 10'-2" or greater, install short version of sign with sign panel pointing toward track.

EXISTING SIGN FLAG - HIGH MOUNT
SEE NOTE 1

EXISTING SIGN FLAG - LOW MOUNT
SEE NOTE 2
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FIXTURE SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED, UNLESS NOTED OTHERWISE.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE (PAINT) COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES. PAINT BACK OF PANEL WITH DOMINANT COLOR.

SIGN LAYOUT

SIDE VIEW
FRONT VIEW
FRONT VIEW
SIDE VIEW
CENTER MOUNT TO SQUARE POST
CENTER MOUNT TO ROUND POLE

ELEVATIONS

SEE NOTE 6

ENG. / ENG. STRUCT. / ENG. TECH. / TECH. WRIT. / TECH. ASSISTANT / OFFICE MANAGER / DATA MANAGER / COMPUTER CONSULTANT / SECURITY CONSULTANT / ACCOUNTING CONSULTANT / DATABASE CONSULTANT / INCOME COMPANY / ASPIRANT COMPANY

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
860 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGN TO SIDES OF PANEL WITH DOMINANT SIDE.
8. PHONE NUMBERS AND ADDRESS TO BE VERIFIED BY SCRRA AND CITY PRIOR TO FABRICATION.

**SIGN LAYOUT**

METROLINK VEHICLE PARKING ONLY

**ELEVATIONS**

CENTER MOUNT TO SQUARE POST

**ENGINEERING STANDARDS**

SIGN TYPE 5
PARKING RESTRICTIVE SIGN
POLE MOUNTED
NOTES:

1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIED COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3320.
3. COLOR: SPECIFY ALL COLORS SHOWN UNLESS OTHERWISE NOTED.
4. FOR SIGNS ATTACHING TO POST, SEE DETAILS ON ES3340.
5. ALL MOUNTING DETAILS FOR SIGNS SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. SIGN AND MOUNTINGS SHALL BE CONFORM TO CALIFORNIA ACCESSIBILITY STANDARDS.
8. OTHER PROPOSED ACCESSIBILITY PARKING SIGNS MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CALIFORNIA ACCESSIBILITY REGULATIONS CONTAINED IN TITLE 24, CALIFORNIA CODE OF REGULATIONS.

NOTE: THIS SIGN ATTACHES TO POST 1" BELOW BOTTOM EDGE OF EXISTING ACCESSIBLE PARKING ONLY SIGN.
**UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT (ADDRESS) OR BY TELEPHONING (TELEPHONE NUMBER).**

**NOTES:**
1. SIGN TO BE CONSTRUCTED OF ⅛ THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. LETTERS, NUMBERS AND ARROWS MUST BE SILKSCREED OR PAINTED UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-CRAZY FILM.
5. SEE ES3309 FOR SIGN MOUNTING DETAILS.
6. ALL FASTENERS AND MOUNTINGS TO BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. SIGN AND SURROUNDING COLORS TO CONFORM TO CALIFORNIA ACCESSIBILITY STANDARDS.
8. OTHER PROPOSED ACCESSIBILITY PARKING SIGNS MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CALIFORNIA ACCESSIBILITY REGULATIONS CONTAINED IN TITLE 24, CALIFORNIA CODE OF REGULATIONS.
9. PHONE NUMBERS AND ADDRESSES TO BE VERIFIED BY SCRRA AND CITY PRIOR TO FABRICATION.
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE
   SPECIFIED ON ES3300-D1.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED
   OR PAINTED, UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED
   OR STAINLESS STEEL AND PAINTED TO MATCH
   SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF
   SIGNS TO SIDES. PAINT BACK OF PANEL WITH DOMINANT
   COLOR.

SIGN LAYOUT - FACE PANEL

SIGN LAYOUT - BACK PANEL

ELEVATIONS

SEE NOTE 5

SEE ES3340 FOR
POST MOUNTING
(TYPE)

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ENGINEERING STANDARDS

SIGN TYPE 8
TRACK DIRECTIONAL SIGN

METROLINK.
NOTES:
1. Sign to be constructed of 1/8" thick aluminum.
2. Specific colors of the colors noted are specified on ES3300-02.
3. Fonts, symbols and arrows shall be silk-screened or painted, unless otherwise noted.
4. Seal sign with transparent anti-graffiti film.
5. For sign mounting details, see details on ES3340.
6. All fasteners and mountings shall be galvanized or stainless steel and painted to match surrounding colors.
7. Continue paint color used on front surface of signs to sides, paint back of panel with dominant color.

SIGN LAYOUT
FACE PANEL

BACK PANEL

FENCE MOUNT (LOW FENCE)
CENTER MOUNT TO SQUARE POST
FLUSH MOUNT TO WALL/ FENCE MOUNT (HIGH FENCE)

ELEVATIONS
SEE NOTE 5

SIGN TYPE 9
ELEVATOR DIRECTIONAL SIGN

METROLINK.
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
880 WILSHIRE BLVD., SUITE 1500, L. A., CA. 90017
**NOTES:**

1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
**Crossing Warning Sign**

**Sign Layout**

- **Font Color**: Black
- **Background Color**: White
- **Symbol Color**: Black
- **Circle/Slash Colored**: Red

**Sign Details**

- **Width**: 21.4”
- **Height**: 30.4”
- **Hole Placement**: 1” x 2” slotted holes
- **Sign Placement**: MOUNT TOP EDGE OF SIGN 1” BELOW CROSS BAR

**Notes**

1. **Sign** to be constructed of 1/8” thick aluminum.
2. Specific colors of the colors noted are specified on ES3340.
3. Fonts, symbols, and arrows shall be silkscreened or painted, unless otherwise noted.
4. Seal sign with transparent anti-graffiti film.
5. For sign mounting details, see details on ES3340.
6. All fasteners and mountings shall be galvanized or stainless steel and painted to match surrounding color.
7. Sign 11-2 specific notes:
   - A. Sign filmsheeting to be 3M high intensity prismatic series 3930-white.
   - B. Sign to be coated with 3M 100 premium protective overlay.
   - C. Signs to be placed starting 50 feet away from nearest pedestrian crossing. Additional signs to be spaced 100 feet apart as needed along fencing to cover entire length of platform.
   - D. For stations that do not have intertrack fencing, signs are to be located on station platform at locations clearly visible to all passengers and pedestrians.

**Elevation**

- **Font Color**: Black
- **Background Color**: White
- **Circle/Slash Color**: Black

**Fence Mount**

- **Font Color**: Black
- **Background Color**: White
- **Circle/Slash Color**: Black

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**Diagram**

- **Title**: Crossing Warning Sign
- **Dimensions**: 21.4” x 30.4”
- **Holes**: 1” x 2” slotted holes
- **Mounting**: Top edge of sign 1” below cross bar

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**Engineering Standards**

**Sign Type 11**

**Pedestrian Warning Signs at Station Platforms**

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**Contact Information**

Southern California Regional Rail Authority
900 Wilshire Blvd, Suite 1500, L.A., CA 90017

Assistant Director, Design
Principal Engineer, Design & Standards
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3300-02.
3. LETTERS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED, UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLORS.
7. SEE ES4002-01 FOR SIGN SELECTION CRITERIA AT GATES.
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE
   SPECIFIED ON ES3300-02
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED
   OR PAINTED, UNLESS OTHERWISE NOTED
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED
   OR STAINLESS STEEL AND PAINTED TO MATCH
   SURROUNDING COLOR.

1'-6" FROM GATE
5'-0" TO CENTER
OF PANEL
FONT AND
ARROWS

FONT COLOR: BLACK
ARROW COLOR: BLACK
BORDER COLOR: BLACK

SEE ES3340 FOR
POST MOUNTING (TYP)
3'-0" FROM GATE

SEE ES3340 FOR
POST MOUNTING
(TYP)

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
1150 WILSHIRE BLVD., SUITE 1500, L. A., CA 90017

ENGINEERING STANDARDS
SIGN TYPE 13
PEDESTRIAN DIRECTIONAL LOOK SIGN
POST MOUNTED

CENTER MOUNT TO SQUARE POST

SEE NOTE 5

SIGN LAYOUT

ELEVATION

ENG. DES.
DATE
REV.
DESCRIPTION
DRAWN BY
DATE:
FOR NON-SCRRA APPROVED USES:
ALL RIGHTS RESERVED.
ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA.
USE. NO PART OF THESE STANDARDS SHOULD BE REPRODUCED OR DISTRIBUTED IN
THIS INFORMATION AGREES THAT IT ASSUMES ALL LIABILITY ARISING FROM SUCH
AND REPRESENTATIONS OF ANY KIND ARE DISCLAIMED. ANYONE MAKING USE OF
SCRRA ENGINEERING STANDARDS IS THE SOLE RESPONSIBILITY OF THE USER AND SHOULD NOT BE USED
THE DATA OR INFORMATION CONTAINED HEREIN. THE SELECTION AND USE OF THESE
SCRRA SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF
SCRRA ENGINEERING STANDARDS ARE INTENDED FOR SCRRA APPROVED USES ONLY.
NOTES:

1. SIGN TO BE CONSTRUCTED OF 3/16" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS SEE DETAIL ON ES3320-02.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES.
8. APPLY QUALITY PRIMER TO ALL PAINTED SURFACES TO PREVENT ELECTROLYSIS.
9. PLACEMENT OF OFF PLATFORM SIGNS SHALL BE OPPOSITE OF STATION IDENTIFICATION SIGN ON PLATFORM.
NOTE:
FOR NOTES SEE ES3320-01.

PROVIDE INTERNAL METAL STIFFENERS WITH STYROFOAM FILLER TO PREVENT OIL-CANNING, BENDING AND CURVING OF PANEL.

TAMPER PROOF FASTENERS

1/8" THICK PAINTED ALUMINUM BACK PANEL AUDIO CAPS.

LIGHT STANDARD

DETAIL 1

DETAIL 2

ENGINEERING STANDARDS
SIGN TYPE 14
STATION IDENTIFICATION SIGN
AT TRACK

METROLINK.
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L. A., CA. 90017

NOTE: FOR NOTES SEE ES3320-01.
CPUC STANDARD 1-D

SIGN LAYOUT

NOTE:
1. Sign to be constructed of 1/8" thick aluminum.
2. Specific colors of the colors noted are specified on ES3301-02.
3. Fonts, symbols, and arrows shall be silk-screened or painted, unless otherwise noted.
4. Seal sign with transparent anti-graffiti film.
5. For sign mounting details, see details on ES3340.
6. All fasteners and mountings shall be galvanized or stainless steel and painted to match surrounding color.

CENTER MOUNT TO SQUARE POST

SIDE VIEW

ELEVATIONS

SEE NOTE 5

SEE ES3340 FOR POST MOUNTING (TYP)

R = 1½" (TYP)

1/8" DIA HOLES FOR 1/4" DIA GALVANIZED BOLTS

1 1/2" SQUARE PRE-DRIED GALVANIZED STEEL SIGN POST (TYP)

CPUC RAILROAD CROSSING SIGN

POST MOUNTED
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED, UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-SGRAFFITIFILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGN TO SIDE. PAINT BACK OF PANEL WITH DOMINANT COLOR.

1. 2" SQ. PAINTED STEEL COLOR WHITE ALUMINUM COLOR PANEL.
2. MODIFIED TYPE RS-1 SIGN; SEE ES3330-01 FOR DETAILS.
3. MANHOLE.
4. CENTER MOUNT TO SQUARE POST.
5. DO NOT ENTER.
6. PLATFORM.
7. SEE ES3340 FOR POST MOUNTING (TYP).
8. SEE ES3340 FOR POST MOUNTING (TYP).
9. SEE ES3325.
CODE OF CONDUCT

A. No smoking. (TYP)
B. No alcohol consumption nor any non-transit-related activities. (TYP)
C. No violence, harassment, or other drug use or behavior is permitted.
D. No loud noise or disruptive behavior is permitted.
E. No littering, hazardous materials or creating disruptive behavior is permitted.
F. No vandalism or graffiti or other graffiti-related activities.
G. No parking or vehicular movement.
H. No fishing, hunting or harvesting
I. No smoking or other substance use.
J. No entry services, security, transit or otherTRANSIT-RELATED ACTIVITIES.
K. No entry on platforms, including service, security and transit.
L. No bicycles, rollerblading or skateboarding on platform.
M. No pens, pencils, markers on platform.
N. No pets, service animals or service animals.
O. No entry services, security, transit or other TRANSIT-RELATED ACTIVITIES.

Purchase Tickets Here
Boletos Aquí

Valid Fare Required Beyond This Point
Comprobante de pasaje válido requerido

Mas alla de este punto

Valid Fare Required on the Platform and on the Train
Personas sin boleto válido son expulsados a la plataforma.

No se permite bicicletas, patines, patinete, patines o patinete en plataforma.

Boletos Aquí

No Entra, Prioridad de Paso a ferrocarril.

To Trains
A los Tráns

Valid Fare Required Beyond This Point
Comprobante de pasaje válido requerido

Mas alla de este punto

Valid Fare Required on the Platform and on the Train
Personas sin boleto válido son expulsados a la plataforma.

No se permite bicicletas, patines, patinete, patines o patinete en plataforma.

Boletos Aquí

No Entra, Prioridad de Paso a ferrocarril.

To Trains
A los Tráns

Valid Fare Required Beyond This Point
Comprobante de pasaje válido requerido

Mas alla de este punto

Valid Fare Required on the Platform and on the Train
Personas sin boleto válido son expulsados a la plataforma.

No se permite bicicletas, patines, patinete, patines o patinete en plataforma.

Boletos Aquí

No Entra, Prioridad de Paso a ferrocarril.

To Trains
A los Tráns

Valid Fare Required Beyond This Point
Comprobante de pasaje válido requerido

Mas alla de este punto

Valid Fare Required on the Platform and on the Train
Personas sin boleto válido son expulsados a la plataforma.

No se permiten bicicletas, patines, patinete, patines o patinete en plataforma.

Boletos Aquí

No Entra, Prioridad de Paso a ferrocarril.

To Trains
A los Tráns

Valid Fare Required Beyond This Point
Comprobante de pasaje válido requerido

Mas alla de este punto

Valid Fare Required on the Platform and on the Train
Personas sin boleto válido son expulsados a la plataforma.

No se permiten bicicletas, patines, patinete, patines o patinete en plataforma.

Boletos Aquí

No Entra, Prioridad de Paso a ferrocarril.

To Trains
A los Tráns
NOTE:
SEE ES3324-01 FOR NOTES.

FLUSH MOUNT TO WALL
CENTER MOUNT TO SQUARE POST
CENTER MOUNT TO ROUND POLE
CANOPY MOUNT
FENCE MOUNT

ELEVATIONS
MORENO VALLEY / MARCH FIELD STATION

SIGN LAYOUT

CENTER MOUNT TO SQUARE POST

SIDE VIEW
FRONT VIEW

POST & SIGN PANEL

SEE ES3340 FOR
POST MOUNTING
(TYP.)

2" SQUARE PAINTED
STEEL POST
COLOR: WHITE

SEE NOTE 1

NOTES:
1. SIGN TO BE CONSTRUCTED OF \( \frac{1}{4} \)" THICK ACID ETCHED ALUMINUM WITH ROLLER-COATED COLOR AND CLEAR BAKELITE PROTECTIVE COATING.
2. SPECIFIED COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. LETTERS, SYMBOLS AND ARROWS SHALL BE SILKSCREED OR PAINTED, UNLESS OTHERWISE NOTED.
4. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
5. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
6. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES. PAINT BACK OF PANEL WITH DOMINANT COLOR.

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ENG. DES. DATE REV.

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NOTES:

1. KIOSK CABINET SHALL BE FABRICATED STAINLESS STEEL W/ VERTICAL GRAIN BRUSHED FINISH. CABINET SHALL BE CONSTRUCTED WITH INTERNAL STEEL STRUCTURE AS REQUIRED. ALL CORNERS SHALL BE REINFORCED TO PREVENT SEPARATION.

2. CABINET SHALL HAVE NO VISIBLE SEAMS.

3. CABINET SHALL BE WEIGHTED AND ANCHORED TO EXISTING HARDSCAPE CONDITIONS VARY FOR SAFE AND SECURE INSTALLATION. DESIGN OF CABINET AND FASTENINGS SHALL SATISFY ALL CODES AND WIND LOAD FACTORS.

4. CABINET SHALL BE WEATHERPROOFED.

5. CABINET DOORS SHALL HAVE STAINLESS STEEL COUNTERSUNK, TAMPERPROOF STAR-HEAD BOLTS OR NON-HINGED. STAR-HEAD BOLTS OR NON-HINGED TO BE USED ON INTERIOR SIDE OF DOOR TO PREVENT BOLTS FROM BEING REMOVED.

6. CABINET SHALL HAVE INTERIOR STORAGE SHELF.

7. CABINET SHALL HAVE ONE WINGED INTERIOR PANEL TO ACCESS STORAGE SHELF.

8. ACCESS TO CABINET SHALL BE BY REMOVING BOLTS ALONG LEFT SIDE OF DOORS.

9. SHOW ALL DETAILS ON SHOP DRAWINGS.

10. PROVIDE CHANNELS TO FACILITATE REPLACEMENT OF CLEAR WINDOW PANELS.

NOTE: ALL SIDES IDENTICAL.

LOGO TO BE ETCHED INTO ALL FOUR SIDES. DO NOT FILL WITH PAINT.

1 ½" LOGO

½" REVEAL

CONCEALED HINGE ALONG RIGHT EDGE OF DOORS.

STAINLESS STEEL DOOR TO BE FLUSH WITH SURFACE OF FRAME

WINDOW TO BE ½" MIN. CYCLOID AIR POLYCARBONATE PANEL WITH ABRASION RESISTANT COATING ON EXTERIOR SURFACE

TAMPER PROOF BOLT TOP AND BOTTOM OF DOOR

BACK PANEL TO BE PAINTED STEEL SUFFICIENT TO ACCEPT MAGNETS OR TAPED MAPS OR groß WHITE

½" REVEAL

INTERNAL STORAGE SHELF

PERMANENTLY ANCHOR BASE TO EXISTING HARDSCAPE, SEE NOTE 3

REFERENCES:

1. SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

2. 100 WILSHIRE BLVD, SUITE 1500, L.A., CA 90017

3. ASSISTANT DIRECTOR, DESIGN

4. PRINCIPAL ENGINEER, DESIGN & STANDARDS

5. A. CARLOS

6. 04/01/09

7. DJM

8. 05/29/20

9. REVISE SIGN NUMBER AND DRAWING TITLE

10. ISOMETRIC VIEW

DRAWN BY:

DATE:

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KIOSK LAYOUT

NOTE: ALL SIDES IDENTICAL.

PLAN - KIOSK ROOF

ISOMETRIC VIEW

ENGINEERING STANDARDS SIGN TYPE 19 MAP / INFO KIOSK FREESTANDING
NOTES:
1. DISPLAY CASE SHALL BE FABRICATED STAINLESS STEEL WITH VERTICAL GRAIN BRUSHED FINISH. CASE SHALL BE CONSTRUCTED WITH INTERNAL STEEL STRUCTURE. ALL CORNERS SHALL BE BONDED AND REINFORCED TO PREVENT SEPARATION.
2. CASE SHALL HAVE NO VISIBLE SEAMS.
3. CASE SHALL BE WEIGHTED AND ANCHORED TO EXISTING HARDSCAPE (CONDITIONS VARY) TO SATISFY ALL LOCAL CODES AND WIND LOAD FACTORS.
4. CASE SHALL BE WEATHERPROOF.
5. CASE DOORS SHALL BE STAINLESS STEEL COUNTERSUNK.
6. CASE DOORS SHALL BE WEATHERPROOFED.
7. PROVIDE CHANNELS TO FACILITATE REPLACEMENT OF CLEAR WINDOW PANELS.

DISPLAY CASE LAYOUT

DETAIL 1

ANCHOR DISPLAY CASE TO SHELL AS REQUIRED

DETAIL 2

ANCHOR DISPLAY CASE TO SHELL AS REQUIRED

DETAIL 3

ANCHOR DISPLAY CASE TO SHELL AS REQUIRED

DETAIL 4

ANCHOR DISPLAY CASE TO SHELL AS REQUIRED
NOTES:
1. SIGN TO BE CONSTRUCTED OF ½" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED, UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES. PAINT BACK OF PANEL WITH DOMINANT COLOR.
8. SEE ES3330-03 THROUGH ES3330-06 FOR SIGN PLACEMENT AT STATIONS.
NOTE:
1. SEE ES3330-01 FOR NOTES.

DETAIL 1

- 3" SQUARE PAINTED STEEL POST COLOR: WHITE
- SIGN TYPE 14
- TOP OF PLATFORM

ATTACH SIGN PANEL TO CANOPY STRUCTURE WITH TAMPERPROOF BOLTS

DETAIL 2

- 3" SQUARE PAINTED STEEL POST COLOR: WHITE
- OF POST AND SIGN PANEL
- CANOPY MOUNT

SEE DETAIL 1 OR 2

FLAG MOUNT TO SQUARE POLE
FLAG MOUNT TO ROUND POLE
CENTER MOUNT TO SQUARE POST
CENTER MOUNT TO SQUARE POST OFF PLATFORM
CANOPY MOUNTED

ELEVATION
NOTES:
1. THE LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.
2. SEE ES3300-01 FOR SIGN DETAILS.
3. SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.
4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.

AWAY FROM LOS ANGELES (OUTBOUND)
TO LOS ANGELES (INBOUND)

SIDE PLATFORM - SINGLE

TYPICAL MARKER LOCATION PLAN

NOTES:
1. THE LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.
2. SEE ES3300-01 FOR SIGN DETAILS.
3. SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.
4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.

AWAY FROM LOS ANGELES (OUTBOUND)
TO LOS ANGELES (INBOUND)

SIDE PLATFORM - SINGLE

TYPICAL MARKER LOCATION PLAN

NOTES:
1. THE LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.
2. SEE ES3300-01 FOR SIGN DETAILS.
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4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.
NOTES:
1. THIS LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.
2. SEE EXHIBITS FOR DESIGN DETAILS.
3. SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.
4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.
5. WHERE MINI-HIGH PLATFORMS DO NOT ALIGN, TWO SETS OF CAR-LOCATOR SIGNS WILL BE REQUIRED.

AWAY FROM LOS ANGELES
OUTBOUND

TO LOS ANGELES
INBOUND

SIDE PLATFORM - DUAL

MINI-HIGH PLATFORM

PLATFORM

MINI-HIGH PLATFORM

SIDE PLATFORM - DUAL

MINI-HIGH PLATFORM

PLATFORM

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
80 WILSHIRE BLVD., SUITE 1500, L.A., CA. 90017

ENGINEERING STANDARDS
SIGN TYPE 21
SIDE PLATFORMS - DUAL
TYPICAL MARKER LOCATION PLAN
NOTES:
1. THIS LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.
2. SEE ES3330-07 FOR SIGN DETAILS.
3. SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.
4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.
5. FOR SIDE OR CENTER STATION PLATFORMS, WHERE SERVICE IS BI-DIRECTIONAL WITH MINI-HIGH PLATFORMS ON BOTH ENDS OF THE PLATFORM, ADDITIONAL SET OF TYPE 21 SIGNS TO BE PLACED ON INBOUND TRACK SIDE PLATFORMS SHOWN.

AWAY FROM LOS ANGELES
OUTBOUND

TO LOS ANGELES
INBOUND

SIDE PLATFORM - BI-DIRECTIONAL SERVICE

SEE NOTE 5

TRACK 1

MINI-HIGH PLATFORM

FENCE

PLATFORM

MINI-HIGH PLATFORM

PLATFORM

MINI-HIGH PLATFORM

SIDE PLATFORM - BI-DIRECTIONAL SERVICE

SEE NOTE 5

21A SHORT LOCOMOTIVE

21B LONG LOCOMOTIVE

NOTE 1: THIS LAYOUT REPRESENTS A TYPICAL METROLINK STATION PLATFORM AND IS SHOWN FOR REFERENCE ONLY. ACTUAL STATIONS MAY VARY FROM THIS PLAN.

NOTE 2: SEE ES3330-07 FOR SIGN DETAILS.

NOTE 3: SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.

NOTE 4: FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.

NOTE 5: FOR SIDE OR CENTER STATION PLATFORMS, WHERE SERVICE IS BI-DIRECTIONAL WITH MINI-HIGH PLATFORMS ON BOTH ENDS OF THE PLATFORM, ADDITIONAL SET OF TYPE 21 SIGNS TO BE PLACED ON INBOUND TRACK SIDE PLATFORMS SHOWN.
NOTES:
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2. SEE ES3330-01 FOR SIGN DETAILS.
3. SIGNS ARE SHOWN OFF PLATFORM. SITE CONDITIONS MAY VARY REQUIRING SIGNS TO BE PLACED ON PLATFORM OR ON OPPOSITE SIDE OF TRACKS.
4. FIELD LOCATE SIGNS TO ENSURE NO OBSTRUCTIONS TO THE TRAIN ENGINEER.
NOTES:
1. SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
2. SPECIFIC COLORS OF THE COLORS NOTED ARE SPECIFIED ON ES3301-02.
3. FONTS, SYMBOLS AND ARROWS SHALL BE SILKSCREENED OR PAINTED, UNLESS OTHERWISE NOTED.
4. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
5. FOR SIGN MOUNTING DETAILS, SEE DETAILS ON ES3340.
6. ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL AND PAINTED TO MATCH SURROUNDING COLOR.
7. CONTINUE PAINT COLOR USED ON FRONT SURFACE OF SIGNS TO SIDES, PAINT BACK OF PANEL WITH DOMINANT COLOR.

METROLINK
SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
800 WILSHIRE BLVD., SUITE 1500, L.A., CA 90017

ENGINEERING STANDARDS
SIGN TYPE 22
PASSENGER INFORMATION TELEPHONE

DESIGNED BY: A. CARLOS
04/01/09

SIGN LAYOUT
SCALE: 1½" = 1'-0"

ELEVATION
SCALE: 1½" = 1'-0"

NOTE:
1. CENTER MOUNT TO SQUARE POST
2. SCALE: NONE

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### ABBREVIATIONS:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCTV</td>
<td>Closed Circuit Television</td>
</tr>
<tr>
<td>CIS</td>
<td>Customer Information System</td>
</tr>
<tr>
<td>CS</td>
<td>Communication Shelter</td>
</tr>
<tr>
<td>DA</td>
<td>Data Acquisition</td>
</tr>
<tr>
<td>DT</td>
<td>Data Acquisition / Telephone</td>
</tr>
<tr>
<td>ES</td>
<td>Existing</td>
</tr>
<tr>
<td>EM</td>
<td>Emergency Management Panel</td>
</tr>
<tr>
<td>ET</td>
<td>Emergency Telephone</td>
</tr>
<tr>
<td>FOP</td>
<td>Fire Open Panel</td>
</tr>
<tr>
<td>HMI</td>
<td>Human-Machine Interface</td>
</tr>
<tr>
<td>IC</td>
<td>Interface Converter</td>
</tr>
<tr>
<td>KWM</td>
<td>Key Switch, Wall Panel</td>
</tr>
<tr>
<td>LED</td>
<td>Light Emitting Diode Message Sign</td>
</tr>
<tr>
<td>LW</td>
<td>Light Emitting Diode Video Monitor</td>
</tr>
<tr>
<td>MC</td>
<td>Microphone</td>
</tr>
<tr>
<td>MFOP</td>
<td>Multi-Function Open Panel</td>
</tr>
<tr>
<td>MTPV</td>
<td>Multi-Position Video Monitor</td>
</tr>
<tr>
<td>NMP</td>
<td>Network Media Player</td>
</tr>
<tr>
<td>P</td>
<td>Power</td>
</tr>
<tr>
<td>PA</td>
<td>Public Address</td>
</tr>
<tr>
<td>PC</td>
<td>Priority Controller</td>
</tr>
<tr>
<td>PDP</td>
<td>Power Distribution Panel</td>
</tr>
<tr>
<td>PSE</td>
<td>Power Over Ethernet</td>
</tr>
<tr>
<td>PVC</td>
<td>Powerline Carrier Conduit</td>
</tr>
<tr>
<td>RJ</td>
<td>Registered Jack</td>
</tr>
<tr>
<td>RS</td>
<td>Recommended Standard</td>
</tr>
<tr>
<td>T</td>
<td>Telephone</td>
</tr>
<tr>
<td>TIO</td>
<td>Telecommunication Device for the Deaf</td>
</tr>
<tr>
<td>TTD</td>
<td>Ticket Vending Device</td>
</tr>
<tr>
<td>TBB</td>
<td>Time-Based Voltage Suppression System</td>
</tr>
<tr>
<td>UPS</td>
<td>Uninterruptible Power Supply</td>
</tr>
<tr>
<td>VAC</td>
<td>Volt Alternating Current</td>
</tr>
<tr>
<td>VMS</td>
<td>Video Management System</td>
</tr>
<tr>
<td>VTM</td>
<td>Video Terminal Monitor</td>
</tr>
<tr>
<td>VTV</td>
<td>Video Terminal Video Monitor</td>
</tr>
<tr>
<td>VUS</td>
<td>Visual Uninterruptible Power Supply</td>
</tr>
</tbody>
</table>

### LEGEND:

- **X**: Light Pole with Camera / Speaker / LED Message Sign
- **E**: Canopy
- **S**: Ambient Noise Sensor
- **ST**: strobe light
- **SP**: speaker
- **LV**: LED Message Sign
- **LVW**: LED Video Monitor
- **VA**: Vault (4' x 4' x 4')
- **PB**: Pull Box (11'' x 17'')
- **EPB**: Electrical Pull Box (17'' x 11'' x 12'' D)
- **SB**: Stub
- **C**: Conduit (1 EA)
- **2C**: Conduit (2 EA)
- **3C**: Conduit (3 EA)
- **4C**: Conduit (4 EA)
- **ROW**: Row of inter-track fence

### NOTES:

1. Construction shall be in compliance with SORRA, local state, and federal codes and regulations. If there are any variances or conflicts, the most stringent shall apply.
2. Conduit sizes shown at stub-outs are typical for entire run unless noted otherwise.
3. All conduits shall be PVC minimum 2" below grade.
4. Refer to architectural drawings for location of pull boxes. Prior to rough-in of conduit, electrician shall coordinate with signal and communications and electrical engineer for locations of pull boxes as needed.
5. Provide 12" separation between power and communication conduits.
6. Conduits to be strung into bottom of junction box.
7. Provide separate 120 VAC, 20 AMP circuit to each two location conductors to be run from station power panel to each two location; shall be HHHW #10 AWG or #12 AWG sized for length of run.
8. Provide 6 foot long metal at each two location to allow connection of (3) conductors (1pe, neutral, ground) to equipment.
9. For communications shelter, see communications standard drawings (ES9400 thru ES9440).
NOTES:

1. THIS DRAWING IS A SCHEMATIC OF A TYPICAL METROLINK PLATFORM AND IS SHOWN FOR REFERENCE ONLY. LAYOUT OF PLATFORM MAY VARY.

2. ALL TICKET VENDING MACHINES ARE ENERGIZED FROM THE STATION POWER SOURCE (SEE ES3405-01 & ES3405-02).

3. PUBLIC ADDRESS AND LED MESSAGE SIGNS (PA & LED) ARE DERIVED FROM THE COMMUNICATIONS SHELTER.

4. FOR COMMUNICATIONS SHELTER SEE COMMUNICATIONS STANDARD DRAWINGS ES3400 THRU ES3440.

5. ALL TICKET VENDING MACHINES ARE ENERGIZED FROM THE STATION POWER SOURCE (SEE ES3405-01 & ES3405-02).

6. TWO PAD LOCATION VARIES BY STATION. REFER TO ES3601 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.

7. REFER TO ES3405 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.

COMMUNICATION VAULT

FOR CONDUIT SIZES SEE ES3405

SEE 3402 FOR DETAIL

SEE NOTE 6 LOCATION TVD PAD (TYP)

PLATFORM

COMM. VAULT

COMMERCIAL POWER ACCESS POINT

COMMUNICATION SHELTER

TWO PAD LOCATION SEE NOTE 6

SEE ES3406 FOR CONDUIT SIZES

NOTES:

1. THIS DRAWING IS A SCHEMATIC OF A TYPICAL METROLINK PLATFORM AND IS SHOWN FOR REFERENCE ONLY. LAYOUT OF PLATFORM MAY VARY.

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4. FOR COMMUNICATIONS SHELTER SEE COMMUNICATIONS STANDARD DRAWINGS ES3400 THRU ES3440.

5. ALL TICKET VENDING MACHINES ARE ENERGIZED FROM THE STATION POWER SOURCE (SEE ES3405-01 & ES3405-02).

6. TWO PAD LOCATION VARIES BY STATION. REFER TO ES3601 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.

7. REFER TO ES3405 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.

COMMUNICATION VAULT

FOR CONDUIT SIZES SEE ES3405

SEE 3402 FOR DETAIL

SEE NOTE 6 LOCATION TVD PAD (TYP)

PLATFORM

COMM. VAULT

COMMERCIAL POWER ACCESS POINT

COMMUNICATION SHELTER

TWO PAD LOCATION SEE NOTE 6

SEE ES3406 FOR CONDUIT SIZES

NOTES:

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3. PUBLIC ADDRESS AND LED MESSAGE SIGNS (PA & LED) ARE DERIVED FROM THE COMMUNICATIONS SHELTER.

4. FOR COMMUNICATIONS SHELTER SEE COMMUNICATIONS STANDARD DRAWINGS ES3400 THRU ES3440.

5. ALL TICKET VENDING MACHINES ARE ENERGIZED FROM THE STATION POWER SOURCE (SEE ES3405-01 & ES3405-02).

6. TWO PAD LOCATION VARIES BY STATION. REFER TO ES3601 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.

7. REFER TO ES3405 FOR CAMERA, SPEAKER AND LED MESSAGE SIGN LOCATIONS.
FOR CONDUIT SIZES SEE ES3405
LOCATION TVD PAD SEE 3402 FOR DETAIL

NOTES:
1. THIS DRAWING IS A SCHEMATIC OF A TYPICAL METROLINK
   PLATFORM AND IS SHOWN FOR REFERENCE ONLY, ACTUAL
   PLATFORM MAY VARY.
2. ALL TMR TO VENDING MACHINES ARE ENERGIZED FROM THE
   STATION POWER SOURCE (SEE ES3405-01 & ES3405-02)
3. PUBLIC ADDRESS AND LED MESSAGE SIGNS (PA & LED)
   ARE ENERGIZED FROM THE COMMUNICATIONS SHELTER.
4. FOR COMMUNICATION SHELTER SEE COMMUNICATIONS STANDARD
   (COMMS ES9400 THROUGH ES9440).
5. FOR ADDITIONAL NOTES AND LEGEND SEE ES3400.
6. TVD PAD LOCATION VARIES BY STATION.
7. REFER TO ES3401 FOR CAMERA, SPEAKER AND LED
   MESSAGE SIGN LOCATIONS.
NOTES:
1. ALL CONDUITS SHALL BE RED CONCRETE.
2. AS PER TERRAIN, SOIL AND EXISTING CONDITIONS.
3. CONTRACTOR SHALL ARRANGE THE CONDUIT OPENINGS TO SUPPORT AND MAINTAIN UNIFORM SPACING.
4. CONDUITS FOR CONDUIT PROTECTION SHALL HAVE MINIMUM CLEARANCE OF 2" VERTICALLY AND HORIZONTALLY.
5. CONDUITS FOR CONDUIT PROTECTION SHALL HAVE MINIMUM CLEARANCE OF 4" VERTICALLY AND HORIZONTALLY.
6. CONDUITS FOR CONDUIT PROTECTION SHALL HAVE MINIMUM CLEARANCE OF 6" VERTICALLY AND HORIZONTALLY.
7. ALL CONDUITS SHALL BE RED CONCRETE EXCEPT WHERE SPECIFIED.

COLOR AND QUANTITY OF CONDUITS AS INDICATED AND/or REQUERED.

FOR NOTES AND LEGEND SEE ES3400.

CONDUIT LAYOUT
AT LIGHT POLE AND CANOPY

CONDUIT LAYOUT
AT EMERGENCY MANAGEMENT PANEL

CONDUIT LAYOUT
AT TVD PAD

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
900 WILSHIRE BLVD., SUITE 1500, L. A., CA. 90017

ENGINEERING STANDARDS

METROLINK

METROLINK STATION
CONDUIT LAYOUT DETAILS
CENTER PLATFORM

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ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA.

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ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA.

ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN PERMISSION OF SCRRA.
NOTES:
1. 4' x 4' x 4' DEEP VAULT WITH GALVANIZED COVER.
2. 10" x 10" FULL BOX.
3. SEPARATE METER SERVICE 100 AMP 120/240V SINGLE PHASE.
4. SPARE CONDUIT TO RUN LENGTH OF PLATFORM AND STUBBED OFF AT END.
5. FOR COMMUNICATIONS SHIELD SEE COMMUNICATIONS STANDARD DRAWINGS.
6. FOR ADDITIONAL NOTES AND LEGEND SEE ES3400.
NOTES:
1. 4'-0" x 4'-0" x 4'-0" DEEP VAULT WITH GALVANIZED COVER.
2. 11" x 17" PULL BOX.
3. SEPARATE METER SERVICE 100 AMP 120/240V SINGLE PHASE.
4. SPARE CONDUIT TO RUN LENGTH OF PLATFORM AND STUBBED OFF AT END.
5. FOR COMMUNICATIONS SHELTER SEE COMMUNICATIONS STANDARD DRAWINGS.
6. EXISTING STATIONS ARE SINGLE TENANT, NEW STATIONS ARE SHARED TENANT.
7. FOR ADDITIONAL NOTES AND LEGEND SEE ES3400.
LEGEND & NOTES

1. PULL BOX - 17"L x 17"W x 17"D WITH ELECTRIC LOAD
2. PULL BOX - 17"L x 17"W x 17"D WITH "COM" LOAD
3. CHECKED COVER SIDEWALK JUNCTION BOX 12" x 8" x 6" WITH BARRIERS AS INDICATED, CROUSE HINDS "WJBF060404" OR APPROVED EQUAL
4. CHECKED COVER SIDEWALK JUNCTION BOX 12" x 8" x 6" WITH BARRIERS AS INDICATED, CROUSE HINDS "WJBF120806" OR APPROVED EQUAL
5. LOGO PULL BOX - 17"L X 11"W X 12"D WITH "COM"

FOR ADDITIONAL NOTES AND LEGEND SEE ES3400.
SPEAKER DIAGRAM

SPEAKER SETUP PER PLATFORM

AMBIENT NOISE SENSOR

AMBIENT NOISE SENSOR CABLE

COMMUNICATION SHELTER

TO NEXT SPEAKERS

SPEAKERS

SPEAKERS

2 WIRE AUDIO FROM AUDIO AMPLIFIER

CUSTOMER INFORMATION SYSTEM (CIS)

FOR EXISTING STATIONS

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
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ENGINEERING STANDARDS

METROLINK.
LED VIDEO MONITOR DIAGRAM

NMP ETHERNET TO HDMI

MC FO TO ETHERNET

MMF0 PATCH CABLE

HDMI INPUT

FOPP

12-STRAND MMF0

TO ADDITIONAL LED VIDEO MONITOR

12-STRAND MMF0

COMMUNICATION SHELTER

NMP ETHERNET TO HDMI

MC FO TO ETHERNET

MMF0 PATCH CABLE

HDMI INPUT

FOPP

12-STRAND MMF0

NMP ETHERNET TO HDMI

MC FO TO ETHERNET

MMF0 PATCH CABLE

HDMI INPUT

FOPP

12-STRAND MMF0

COMMUNICATION SHELTER

TO ADDITIONAL LED VIDEO MONITOR
LED MESSAGE SIGN DIAGRAM

LED SETUP PER PLATFORM

- 120 VAC FOR STROBE
- RELAY CONTACT
- RS422/485 CONNECTION
- RS422/485 INPUT
- RS422/485 OUTPUT

12-STRAND MMFD

COMMUNICATION SHELTER

RS422/485

RS422/RS485

TO NEXT LED MESSAGE SIGN

120 VAC FOR STROBE

RELAY CONTACT

RS422/485 OUTPUT

RS422/485

FOPP

MC FO TO ETHERNET

MMFD PATCH CABLE

ENG. DES.

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BACKGROUND INFORMATION AGREES THAT IT ASSUMES ALL LIABILITY ARISING FROM SUCH
AND REPRESENTATIONS OF ANY KIND ARE DISCLAIMED. ANYONE MAKING USE OF
SCRRA SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF
THE DATA OR INFORMATION CONTAINED HEREIN. THE SELECTION AND USE OF THESE
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WITHOUT CONSULTING A REGISTERED PROFESSIONAL ENGINEER. ALL WARRANTIES
SCRRA ENGINEERING STANDARDS ARE INTENDED FOR SCRRA APPROVED USES ONLY.
NOTES:
1. SUNSHIELD AND STROBE LIGHT ARE NOT SHOWN.
2. SUNSHIELD SUPPORT TO BE WELDED TO SUNSHIELD.
3. SUNSHIELD SUPPORT NOT SHOWN FOR CLARITY.
4. DIMENSIONS FOR ALL DETAILS SHALL NOT BE EXCEEDED. DIMENSIONS ARE BASED ON MAXIMUM DIMENSIONS OF 55"W x 17"H x 11"D.
5. CONDUIT ENTRY WILL BE SHOWN WHEN COMPONENT PART NUMBERS ARE FINALIZED.

1. BRACKET TO BE MADE FROM 1/8" THICK SHEET METAL.
2. GRIND ALL SHARP EDGES SMOOTH.
3. POWDER COAT FINISH TO BE GLOSS BLACK.
4. ACTUAL BRACKET DIMENSION TO BE APPLIED AFTER APPROVAL OF LED MODEL.

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ENGINEERING STANDARDS
3503

SYSTRA/A. CARLOS
**NOTES:**

1. LED VIDEO MONITOR ENCLOSURE AND MOUNTING POST ASSEMBLY BY ITS ENCLOSURES OR APPROVED EQUAL.
2. MOUNTING POST IS CARBON STEEL WITH A POLYESTER POWDER PAINT FINISH.
3. ENCLOSURE IS MARINE GRADE ALUMINUM, FORMED AND WELDED, WATER TIGHT WITH POLYESTER POWDER FINISH.
4. UNLESS OTHERWISE SPECIFIED, ENCLOSURE AND SUPPORTS PAINT COLOR WILL BE SILVER.

---

**MONITOR POST DETAIL: SIDE VIEW**

**MONITOR POST DETAIL: FRONT VIEW**

**ISOMETRIC VIEW**

**ENGINEERING STANDARDS**

**LED VIDEO MONITOR ASSEMBLY MOUNTING DETAILS**

**SUN SHIELD ENCLOSURE**

**REMOVABLE CAP PLATE**

**AIR CONDITIONER**

**6" SQUARE STEEL POST**

**TO LED VIDEO MONITOR**

**DOOR PLATE & FOUNDATION SEE ES3504-02**

**COMA PULLBOX 12" X 12"**

**SUN SHIELD**

**DISPLAY ENCLOSURE**

**DEVICE ENCLOSURE**

**SAW CUT CONCRETE PLATFORM AS REQ**

**2'-0" CONDUITS REQ'D**

**DISPLAY ENCLOSURE**

**SAW CUT CONCRETE PLATFORM AS REQ**

**2'-6" DIAM CONCRETE FOUNDATION SEE ES3504-02.**

**ISOMETRIC VIEW**
NOTES
1. CONDUIT SHALL EXTEND 2" MAXIMUM ABOVE
   FINISHED SURFACE OF FOUNDATION.
2. ANCHOR BOLTS SHALL BE BONDED TO CONDUIT
   OR GROUNDING CONDUCTOR.
3. USE FOR METROLINK ENGINEERING STANDARD 3504.

FOUNDATION DETAIL

ANCHOR BOLTS DETAIL

CONDUIT STUB-UP DETAIL
NOTES:

1. LIGHT POLE SHOWN AS REFERENCE ONLY ACTUAL DESIGN VARIES BY STATION.

2. PLACEMENT OF LED MESSAGE SIGNS, STROBES AND SPEAKERS SHALL BE LOCATED BY THE CONTRACTOR TO MAXIMIZE VISIBILITY AND SOUND DISTRIBUTION AND VARIES BY STATION.

3. SINGLE OR DOUBLE SIDED LED MESSAGE SIGN AND SPEAKERS AS APPLICABLE.

4. FOR ADDITIONAL PLATFORM INFORMATION NOT SHOWN, SEE DRAWING ES3201 AS APPLICABLE.
NOTES:

1. LIGHT POLE SHOWN AS REFERENCE ONLY ACTUAL DESIGN VARIES BY STATION.

2. PLACEMENT OF LED MESSAGE SIGN, STROBES AND SPEAKERS SHALL BE LOCATED BY THE CONTRACTOR TO MAXIMIZE VIZIBILITY AND SOUN DISTRIBUTION AND VARIES BY STATION. THE TOP SIDE OF THE LED SIGN SHALL BE INSTALLED APPROXIMATELY ONE FOOT LOWER THAN THE SPEAKER.

3. SINGLE OR DOUBLE SIDED LED MESSAGE SIGN AND SPEAKERS AS APPLICABLE.

4. FOR ADDITIONAL PLATFORM INFORMATION NOT SHOWN, SEE DRAWING ES3202 (AS APPLICABLE).

CENTER PLATFORM
<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>RECOMMENDED MANUFACTURERS</th>
<th>MODEL NO.</th>
</tr>
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<tbody>
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<td>Ethernet Switch W/SFP</td>
<td>HP</td>
<td>N9180D</td>
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<td>Crown</td>
<td>C16-4200</td>
</tr>
<tr>
<td>Priority Controller</td>
<td>BSS Audio</td>
<td>BLU-50</td>
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<td>47WX50WF</td>
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<tr>
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<td>ViewSonic</td>
<td>NNP-530, VS1681</td>
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<td>Strobe Light</td>
<td>Federal Signal</td>
<td>1310ST</td>
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<tr>
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<td>DAVCOm</td>
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<tr>
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<td>Eaton Innovative Technology</td>
<td>PW9130N 3000REBM21</td>
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<td>CPSWD 180-200</td>
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<td>SGFEB014-120</td>
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**Notes:**

1. This drawing for reference only. Platform layout varies by location.
2. Platform cameras to be mounted on the same platform.
3. Light fixture as LED message signs and/or PA speakers.
4. Platform cameras to be mounted above PA speakers when applicable. Mount cameras at a height to maximize the coverage area.
5. All platform cameras shall be of the PTZ (Pan-Tilt-Zoom) type, unless approved otherwise.
6. Platform camera mounting locations and details to be approved by SCRRA prior to installation.
8. Any CIS equipment proposed to be mounted on or under the canopy must be approved by SCRRA. See ES3202 and ES3250 for additional details.
GENERAL NOTES:

1. ALL CABLES SHOWN ARE CATEGORY 6 (CAT-6) NETWORK CABLE UNLESS NOTED OTHERWISE.

2. TOTAL CAT-6 NETWORK CABLE LENGTH FROM NETWORK SWITCH TO POE NETWORK CAMERA SHALL NOT EXCEED 656 FEET (200m) WITH ONE (1) POE EXTENDER (328 FEET (100m) WITH NO POE EXTENDER).

3. ONE (1) RJ45 PORT (ON NETWORK SWITCH) PER POE NETWORK CAMERA.

4. POE PATCH CABLES SHALL NOT EXCEED 328 FEET (100m) LENGTH.

5. POE DEVICES SHALL NOT EXCEED 328 FEET (100m) FROM THE POE NETWORK SWITCH.

6. POE SURGE PROTECTOR SHALL BE INSTALLED ON NETWORK SWITCH.

7. TELECOMMUNICATIONS ROOM/MULTIMODE FIBER OPTIC CABLE SHOWN IS MULTIMODE FIBER OPTIC CABLE.
TRIANGLE INDICATES FIELD OF VIEW

CIRCLE INDICATES FIELD OF VIEW

FIXED CAMERA

PAN-TILT-ZOOM (PTZ) CAMERA

CIRCLE INDICATES FIELD OF VIEW

SEMI-CIRCLE INDICATES FIELD OF VIEW

CIRCLE INDICATES FIELD OF VIEW

180 DEGREE CAMERA

360 DEGREE CAMERA
ENGINEERING STANDARDS

VIDEO SURVEILLANCE SYSTEM (VSS)

EQUIPMENT MOUNTING

CONFIGURATIONS (TYPICAL)

NOTES:

1. THIS DRAWING FOR REFERENCE ONLY. CAMERA TYPE, EQUIPMENT TYPE AND MOUNTING CONFIGURATION MAY VARY BY LOCATION. CABLING PATHWAY AND RACEWAY CONFIGURATION MAY VARY BY LOCATION.

2. CAMERA MOUNT, EQUIPMENT MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY MANUFACTURER.

3. ALL SUPPORTING SYSTEM CABLING SHALL BE CONCEALED IN CONDUITS FROM OUTDOOR ELEMENTS, IF APPLICABLE.

4. CABLING PATHWAY AND RACEWAY ELEMENTS NOT SHOWN UNLESS SHOWN OTHERWISE. CONDUIT SHALL BE FURNISHED AND INSTALLED AS A SYSTEM WITH ALL REQUIRED FITTINGS, BOXES, TERMINATIONS AND OTHER INSTALLATION ACCESSORIES. ALL IN ACCORDANCE WITH THE S.C.R.R.A. ENGINEERING STANDARDS, MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.

MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.

ACCESSORIES; ALL IN ACCORDANCE WITH THE S.C.R.R.A. ENGINEERING STANDARDS, WITH ALL REQUIRED FITTINGS, BOXES, TERMINATIONS AND OTHER INSTALLATION ACCESSORIES. ALL IN ACCORDANCE WITH THE S.C.R.R.A. ENGINEERING STANDARDS, MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.

CAMERA MOUNT, EQUIPMENT MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY MANUFACTURER.

ALL SUPPORTING SYSTEM CABLING SHALL BE CONCEALED IN CONDUITS FROM OUTDOOR ELEMENTS, IF APPLICABLE.

CABLING PATHWAY AND RACEWAY ELEMENTS NOT SHOWN UNLESS SHOWN OTHERWISE. CONDUIT SHALL BE FURNISHED AND INSTALLED AS A SYSTEM WITH ALL REQUIRED FITTINGS, BOXES, TERMINATIONS AND OTHER INSTALLATION ACCESSORIES. ALL IN ACCORDANCE WITH THE S.C.R.R.A. ENGINEERING STANDARDS, MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.

MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.
ENGINEERING STANDARDS

VIDEO SURVEILLANCE SYSTEM (VSS)
EQUIPMENT MOUNTING CONFIGURATIONS (TYPICAL)

NOTES:
1. THIS DRAWING FOR REFERENCE ONLY. CAMERA TYPE, EQUIPMENT TYPE
AND MOUNTING CONFIGURATION MAY VARY BY LOCATION. CABLE PATHWAY
AND RACEWAY CONFIGURATION MAY VARY BY LOCATION.
2. CAMERA MOUNT, EQUIPMENT MOUNT AND MOUNTING SUPPORT HARDWARE
AS REQUIRED BY MANUFACTURER.
3. ALL SUPPORTING SYSTEM CABLING SHALL BE CONCEALED IN CONDUITS
FROM OUTDOOR ELEMENTS, IF APPLICABLE.
4. CABLE PATHWAY AND RACEWAY ELEMENTS NOT SHOWN (UNLESS SHOWN
OTHERWISE); CONDUIT SHALL BE FURNISHED AND INSTALLED AS A SYSTEM
WITH ALL REQUIRED FITTINGS, BOXES, TERMINATIONS AND OTHER INSTALLATION
ACCESSORIES; ALL IN ACCORDANCE WITH THE SCRRA ENGINEERING STANDARDS,
MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS.

Camera Mounting Configurations:
- Parapet Mounted
- Wall Surface Mounted
- Ceiling Flush Mounted
- Ceiling Surface Mounted
- Pendant Mounted

NORTEC.
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L. AQUINO

1/6/2021
10:48:56 PM

NOTES:

1. STEEL PLATE WELDED TO JOIST AND SIZED SAME AS OUTSIDE CAMERA OR MOUNTING BRACKET DIMENSION (AT MOUNTING POINT).
2. THIS DRAWING FOR REFERENCE ONLY. CAMERA TYPE, EQUIPMENT TYPE AND MOUNTING CONFIGURATION MAY VARY BY LOCATION. CABLING PATHWAY AND RACEWAY CONFIGURATION MAY VARY BY LOCATION.
3. CAMERA MOUNT, EQUIPMENT MOUNT AND MOUNTING SUPPORT HARDWARE AS REQUIRED BY MANUFACTURER.
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