



Airports Division

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

LICENSED
PROFESSIONAL
ENGINEER
PE-17779

ANAII, U.S.

DUKE YOUNG, PE CIVIL ENGINEER

DSGN. DRWN. CHKD. APPD.

HF HT JB DY

KEY PLAN / NOTES:

NO. DATE REVISIONS

CONSTRUCTION

DOCUMENTS

JULY 2022 DATE

PROJECT TITLE:

RELOCATE RUNWAY 3-21

AT LIHUE AIRPORT LIHUE, KAUAI, HAWAII

PROJECT NO.:

AK1031-14

SHEET TITLE:

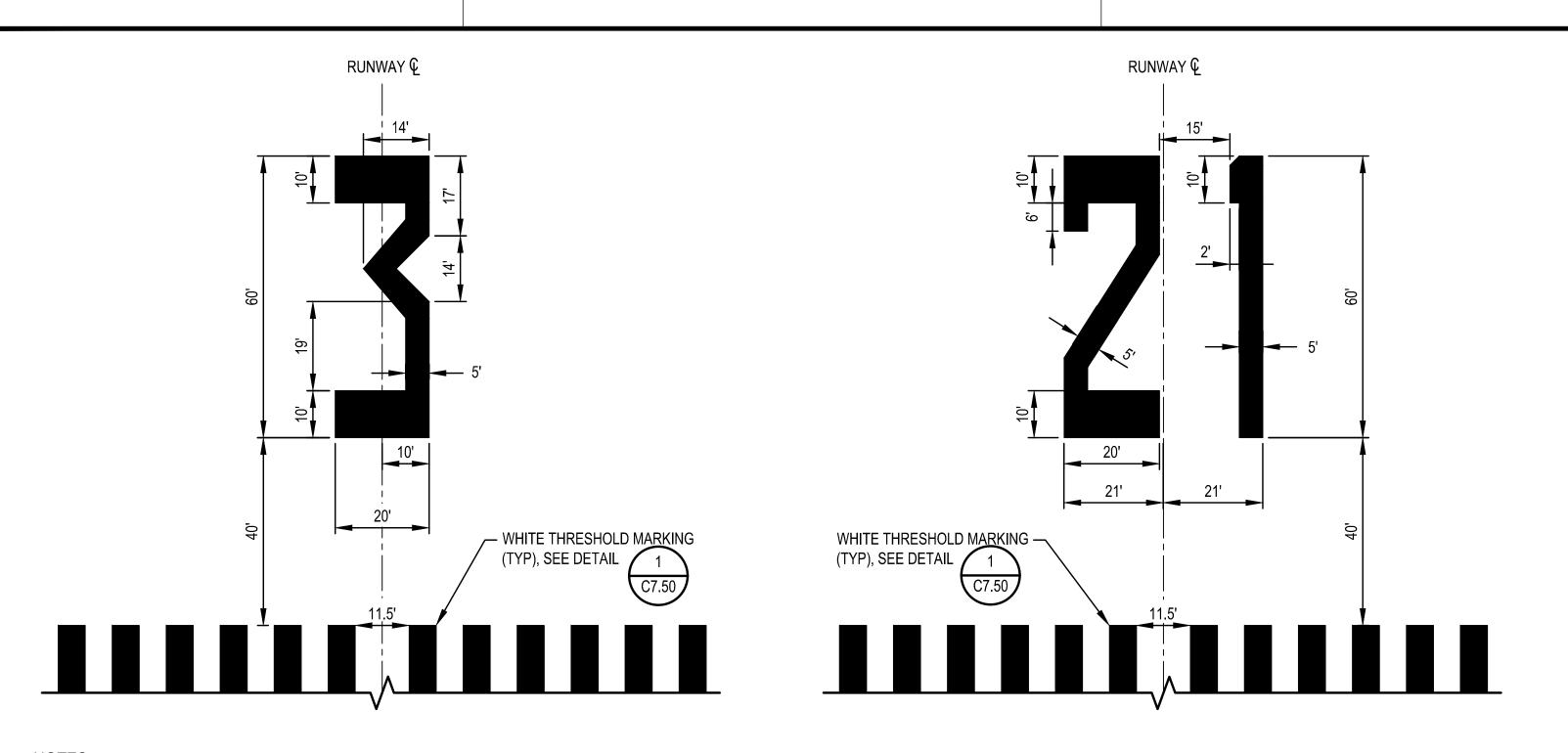
PAVEMENT MARKING DETAILS 1

DATE: 07/2022 SHEET:

C7.50

DWG. NO.

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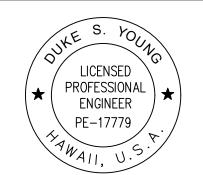


GENERAL NOTES:

- 1. SEE SHEETS C7.01 THROUGH C7.08 FOR SPACING OF RUNWAY CENTERLINE MARKINGS.
- 2. GLASS BEADS SHALL BE APPLIED TO ALL PAVEMENT MARKINGS, EXCEPT BLACK OUTLINE AND SHOULDER MARKINGS PER P-620 SPECIFICATION.
- 3. ALL RUNWAY & TAXIWAY MARKINGS SHALL HAVE A 6" WIDE PAINTED BLACK OUTLINE. BLACK OUTLINE NOT SHOWN ON THIS SHEET FOR CLARITY.
- THE STENCILS FOR THE SPHPS WILL BE PROVIDED BY LIH AND THEY SHALL BE RETURNED IN GOOD CONDITION. ANY UNSATISFACTORY SPHPS STENCILS SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.



Airports Division DEPARTMENT OF TRANSPORTATION STATE OF HAWAII



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PROJECT NO.:

PAVEMENT MARKING **DETAILS 2**

DATE: 07/2022

SHEET

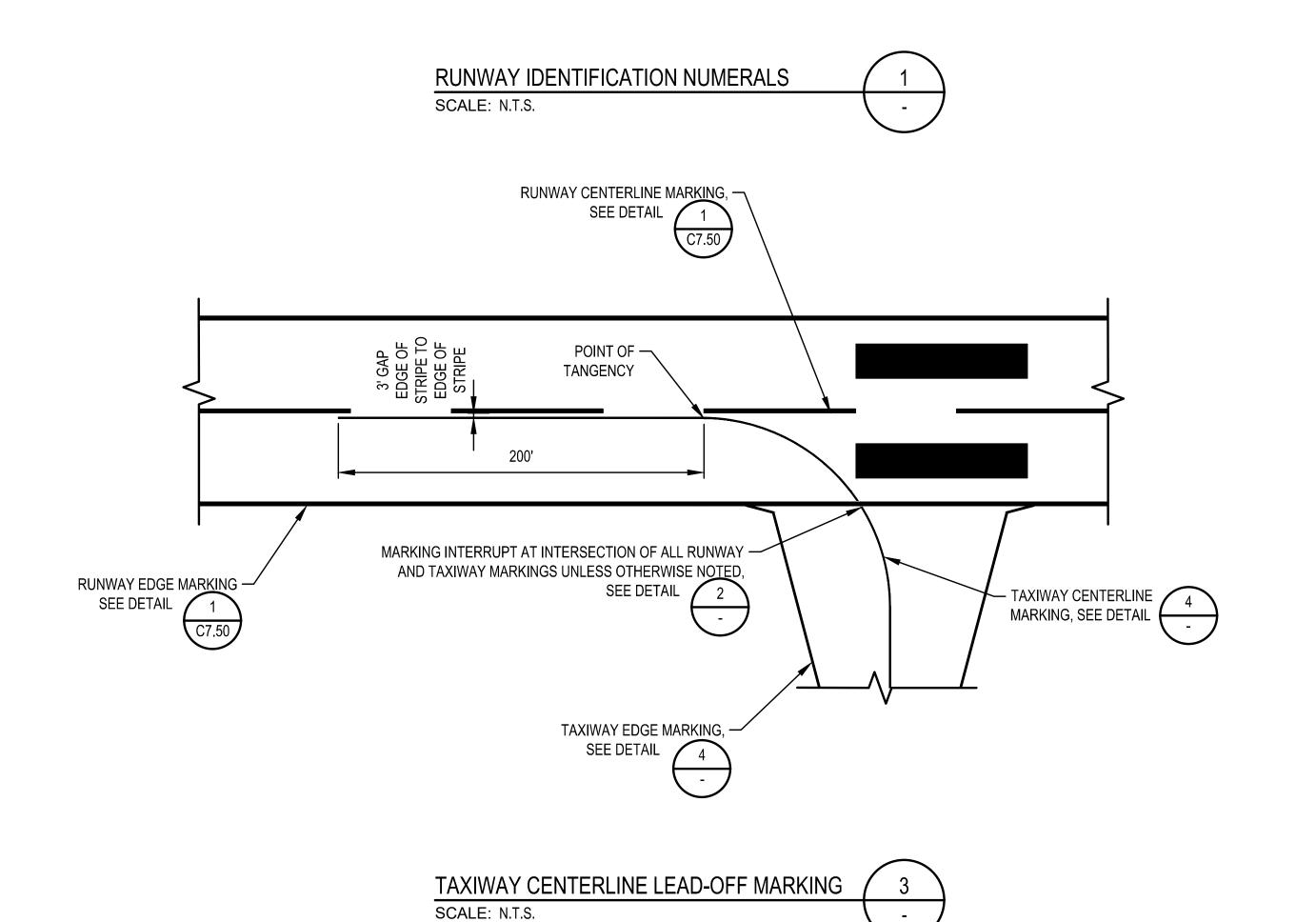
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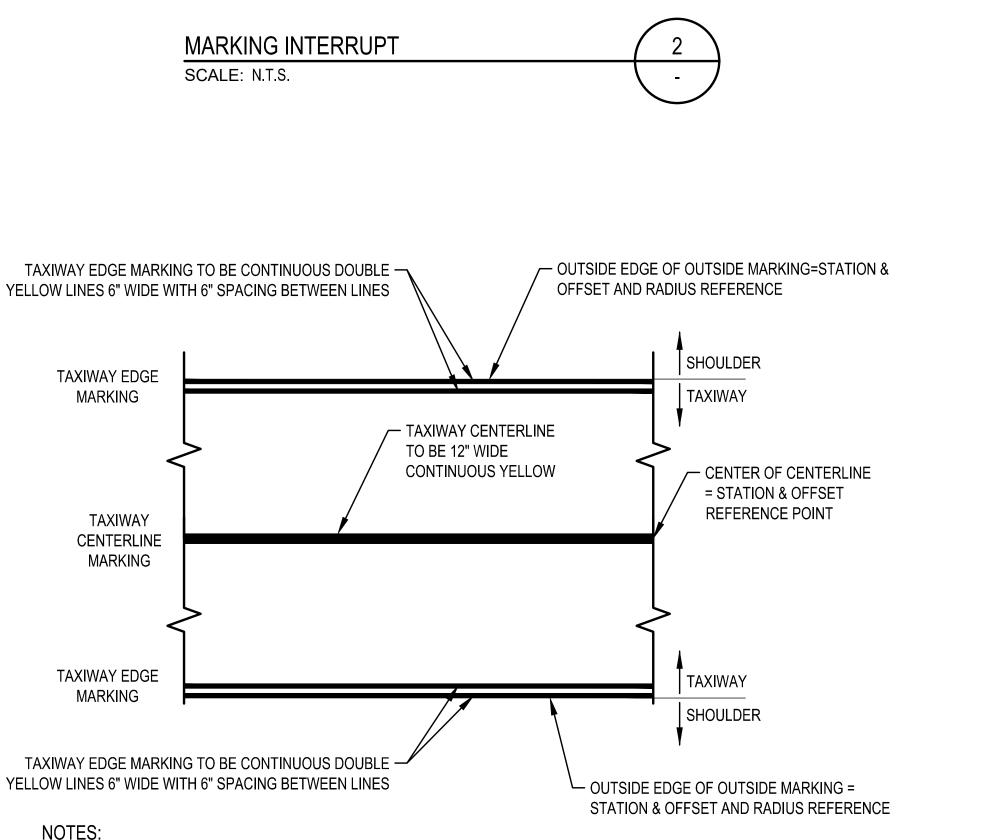
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DWG. NO.

NOTES:

- 1. ALL CHARACTERS TO BE PAINTED WHITE, 60' HIGH (UNLESS NOTED OTHERWISE), WITH VERTICAL STROKE OF 5', HORIZONTAL STROKE OF 10' AND DIAGONAL STROKE OF 5'.
- 2. ALL NUMERALS ARE HORIZONTALLY SPACED AT 15' APART
- 3. SINGLE DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.





- RUNWAY EDGE OR CENTERLINE

MARKING OR DISPLACED

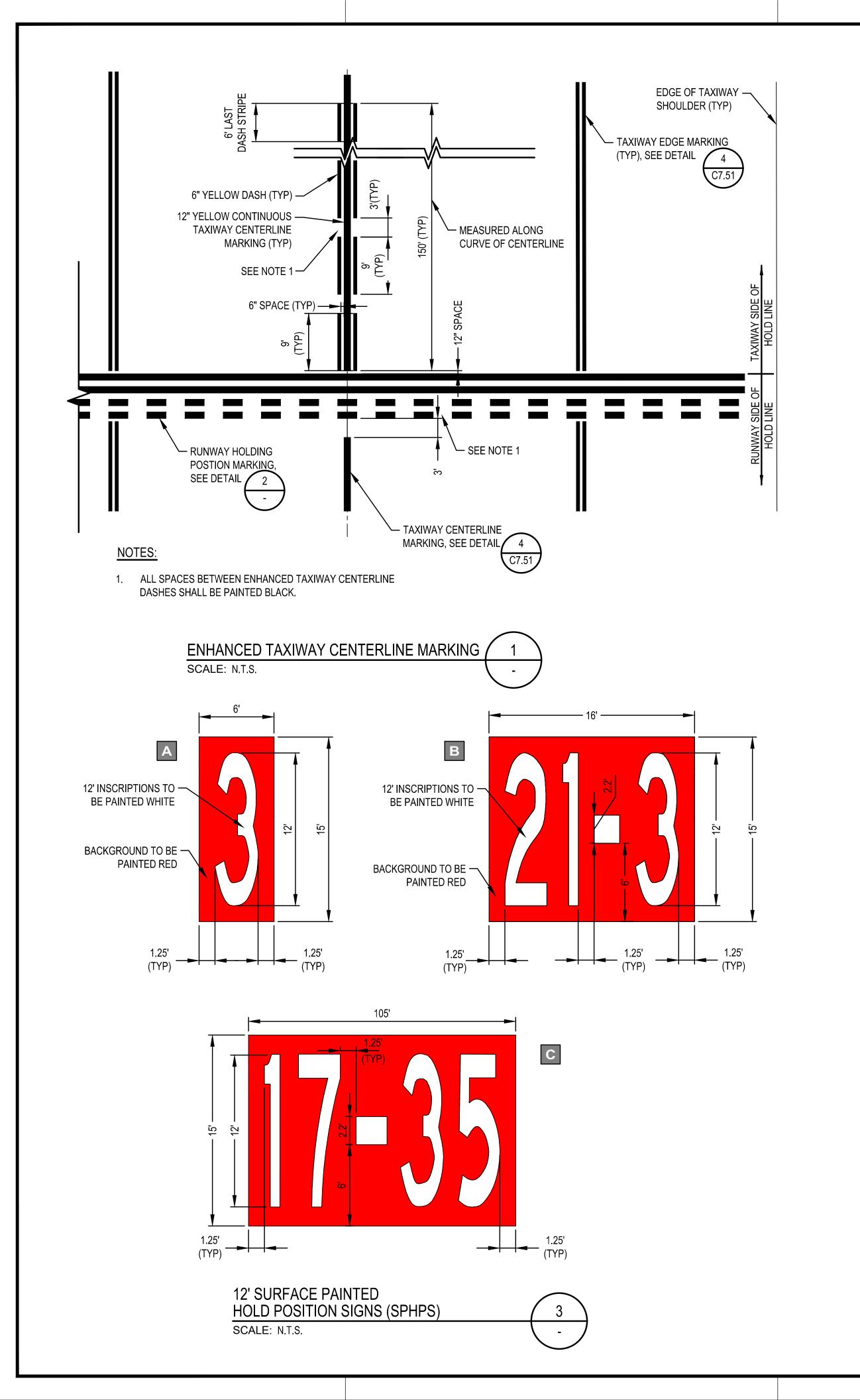
THRESHOLD ARROW

NOTES:

 TAXIWAY CENTERLINE MARKING IS CONTINUOUS IN LENGTH EXCEPT WHERE IT INTERSECTS A HOLD POSITION MARKING, POSITION OBSTACLE FREE ZONE MARKING, OR A RUNWAY MARKING ELEMENT.

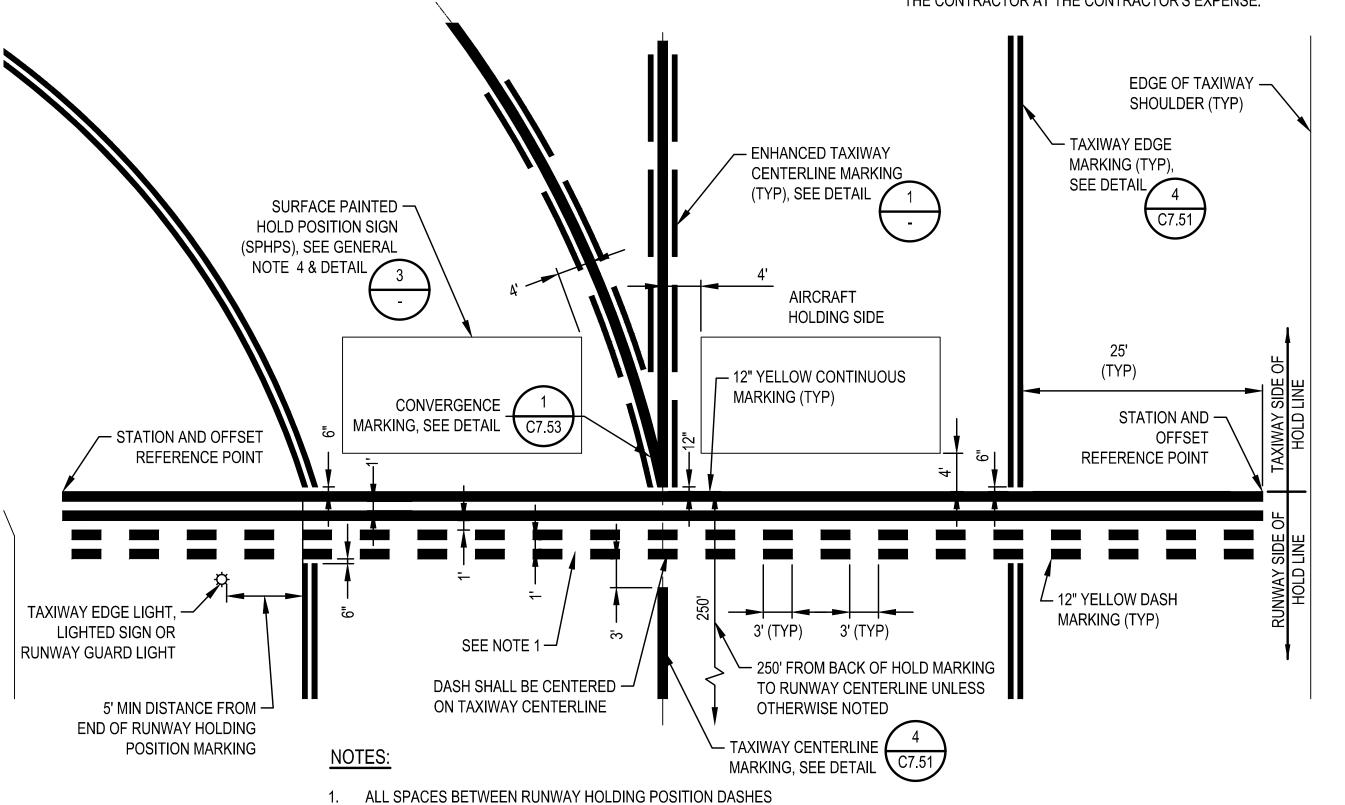
TAXIWAY CENTERLINE MARKING

TAXIWAY CENTERLINE & EDGE MARKING SCALE: N.T.S.

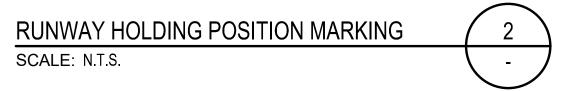


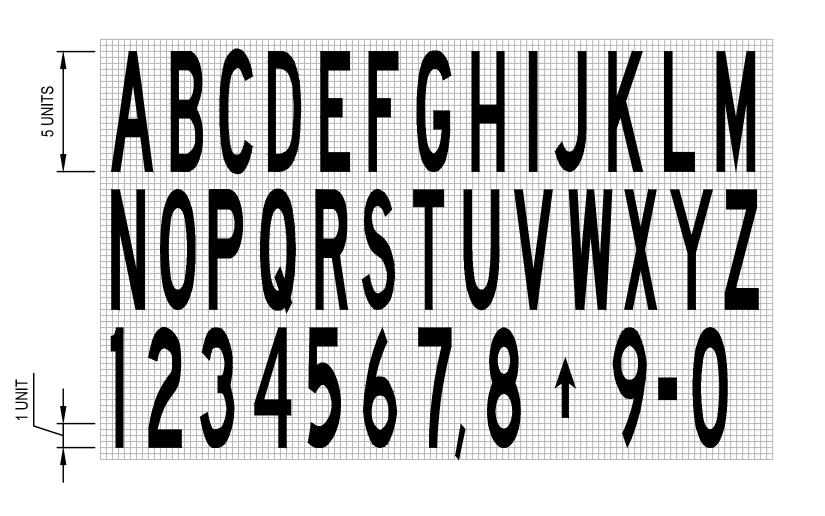
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SHALL BE PAINTED BLACK.





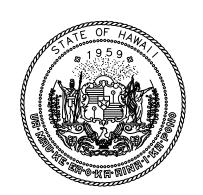
INSCRIPTION FOR SPHPS

SCALE: N.T.S.

NOTES:

- 1. INCREASE DIMENSIONS PROPORTIONALLY.
- 2. FONT SHAPES PER FAA AC 150/5340-1M APPENDIX B. 3. THE VERTICAL PLACEMENT OF THE COMMA AND THE DASH WITH RESPECT TO OTHER CHARACTERS IS AS SHOWN. HORIZONTAL PLACEMENT IS AT THE DISCRETION OF THE DESIGN ENGINEER.
- 4. THE VERTICAL AND HORIZONTAL PLACEMENT OF THE ARROW WITH RESPECT TO THE OTHER CHARACTERS IS AT THE DISCRETION OF THE DESIGN ENGINEER.





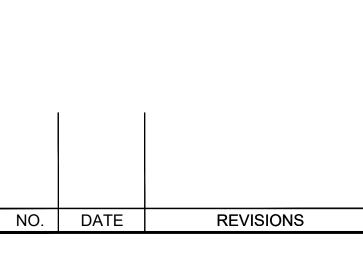
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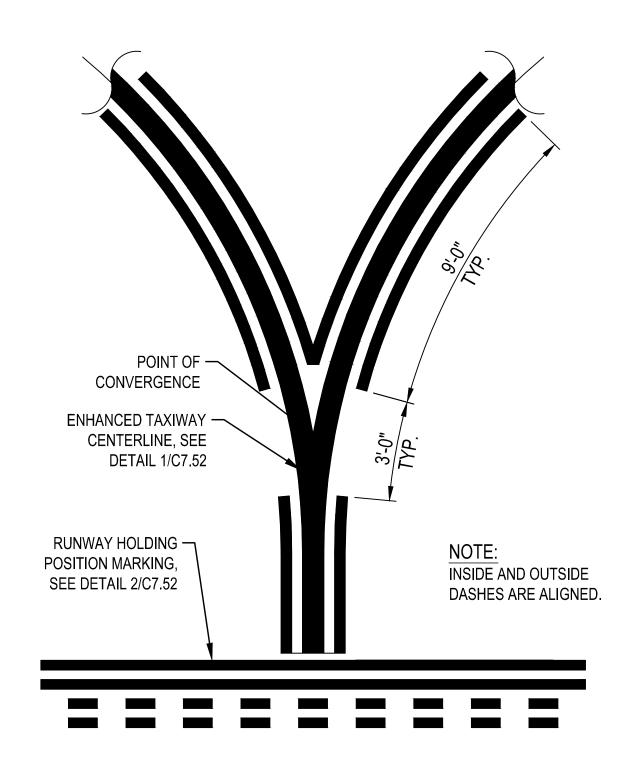
PAVEMENT MARKING **DETAILS 3**

DATE: 07/2022

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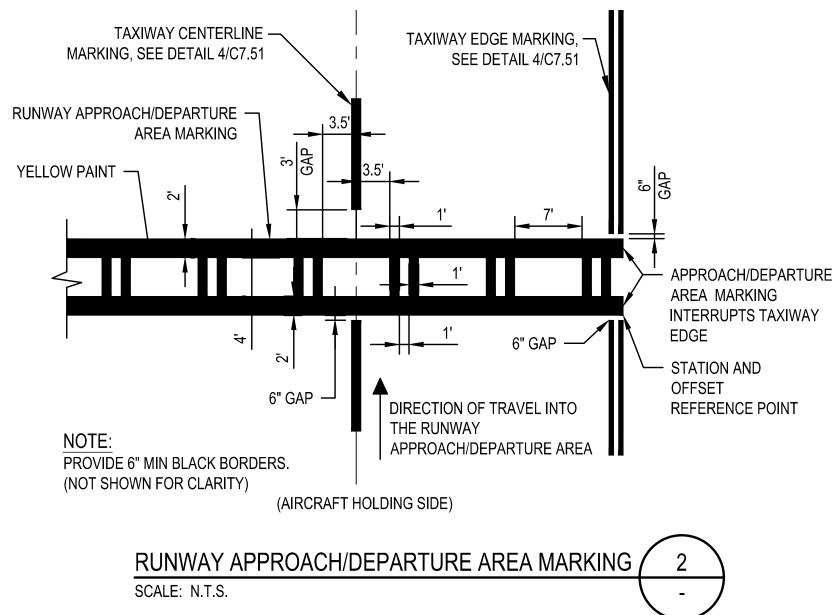
DWG. NO.

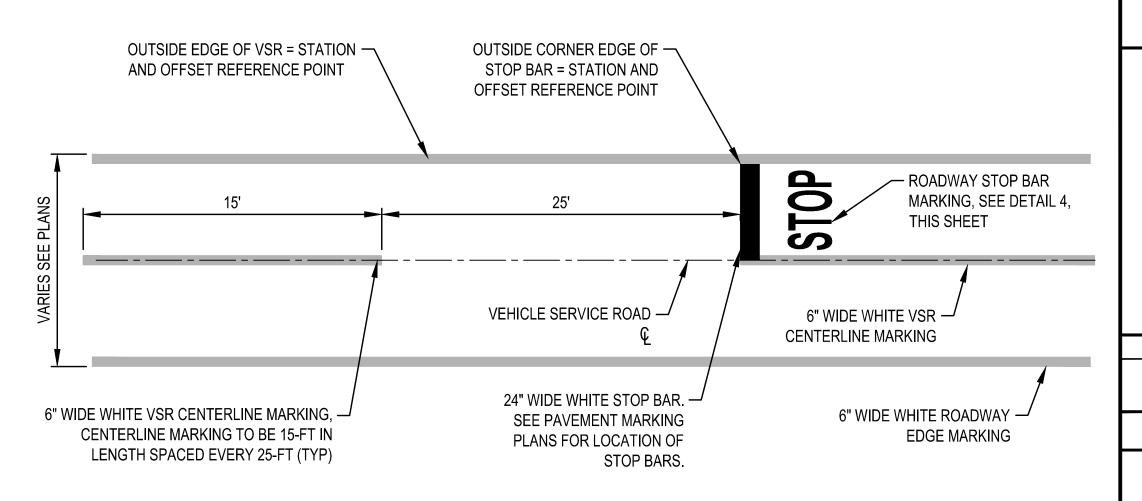
SHEET: 294 OF 376 SHEETS

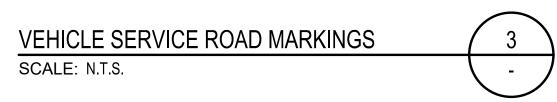


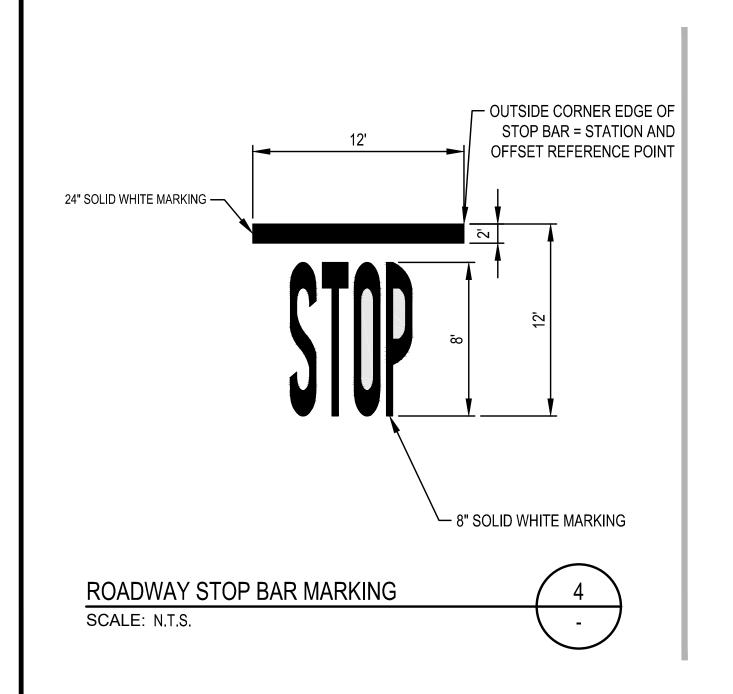
CONVERGENCE MARKING DETAIL

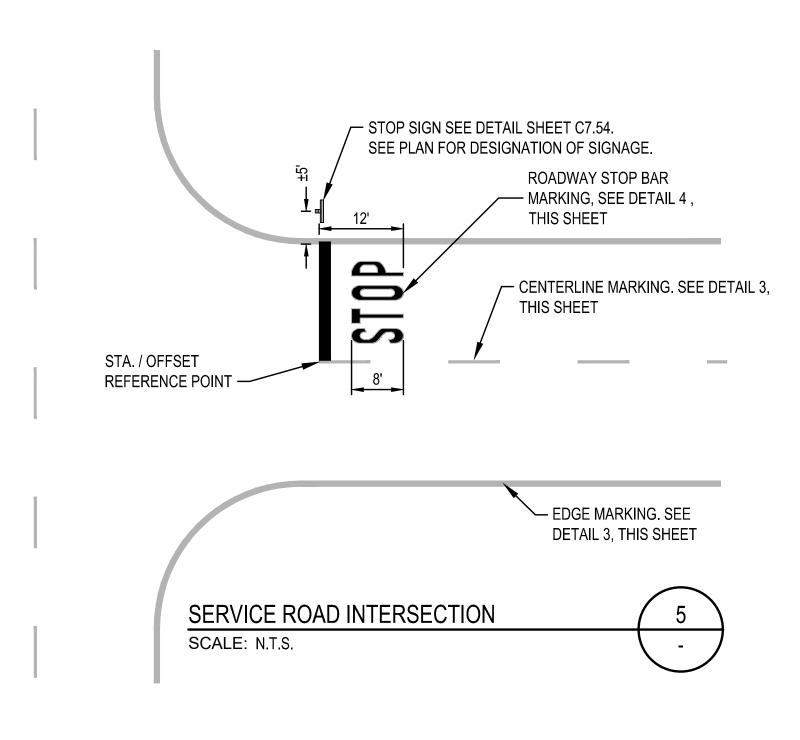
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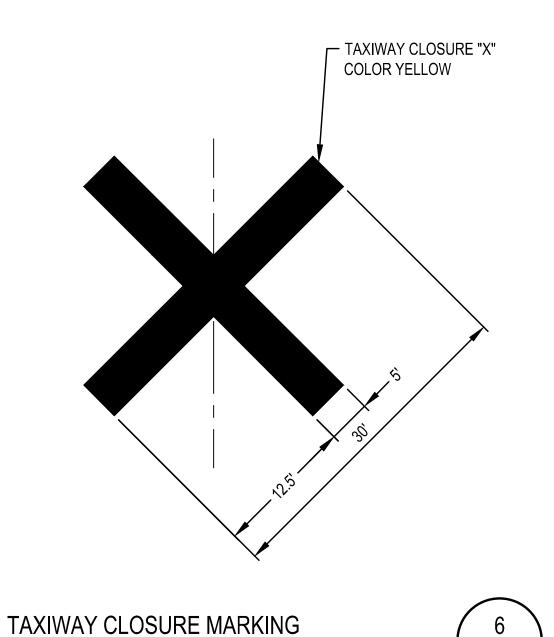








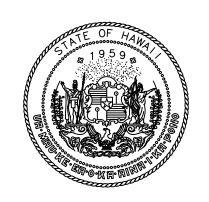




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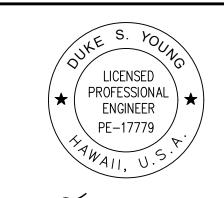
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SHEET TITLE:

PAVEMENT MARKING DETAILS 4

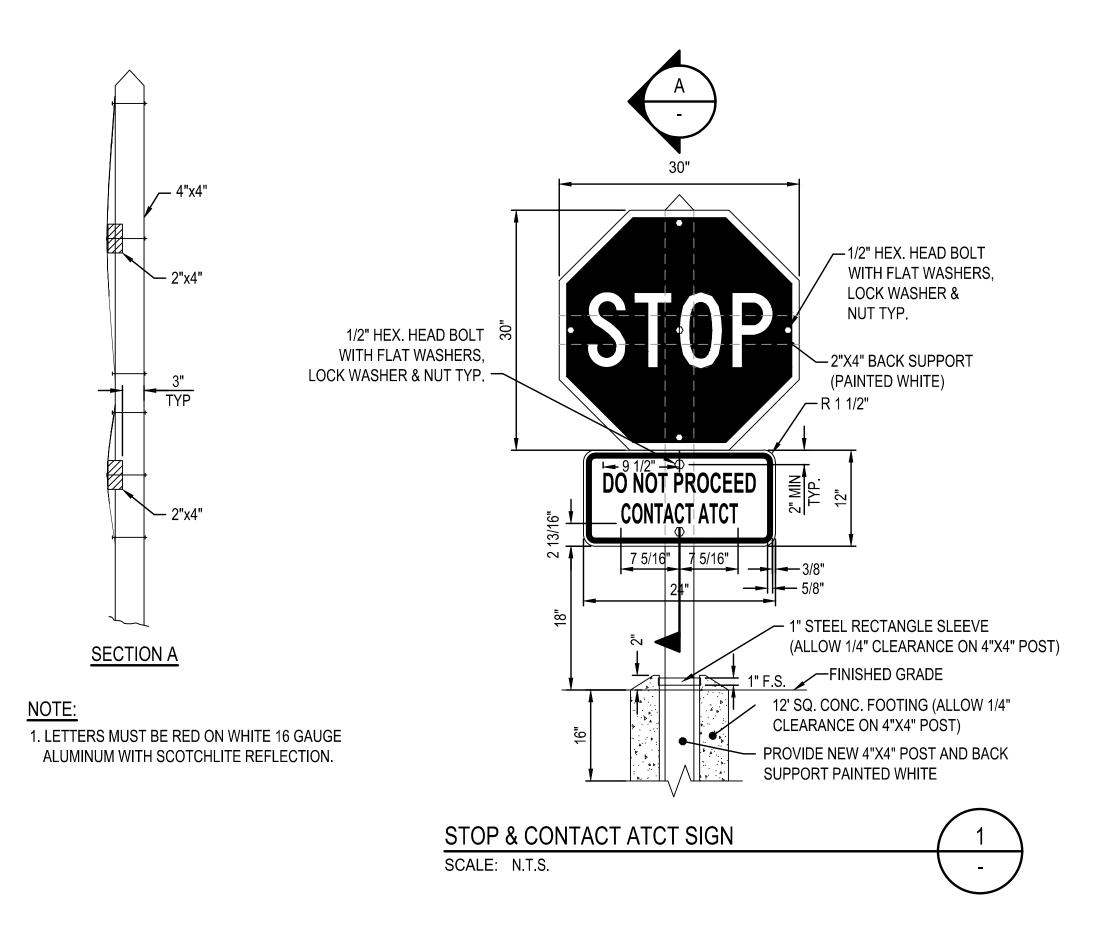
DATE: **07/2022**

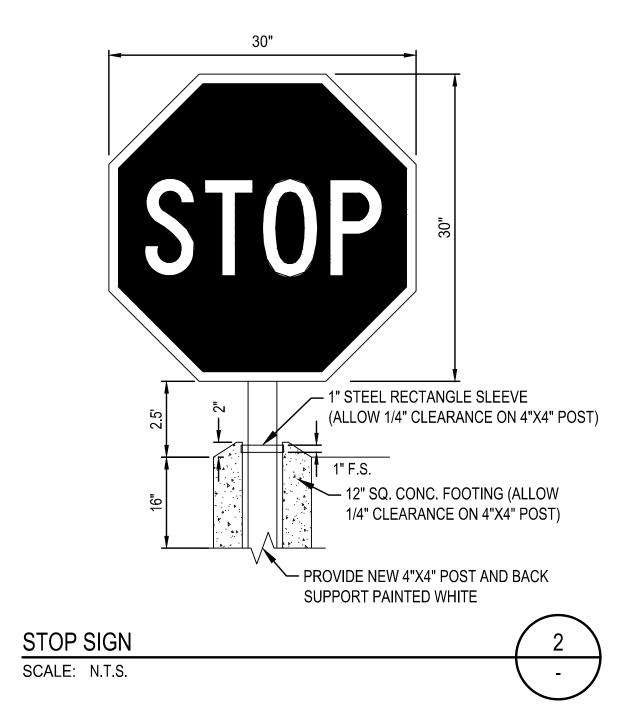
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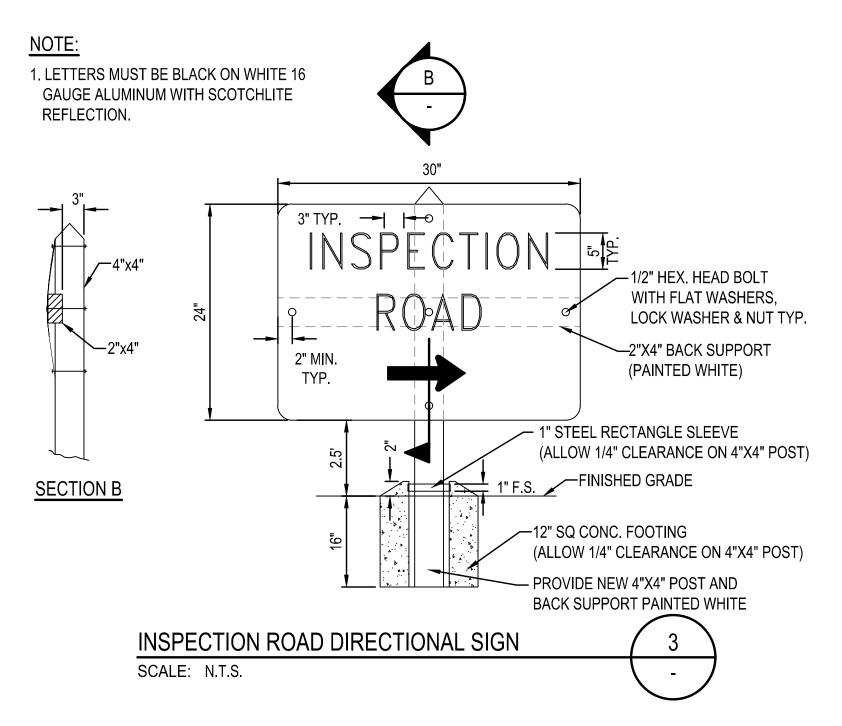
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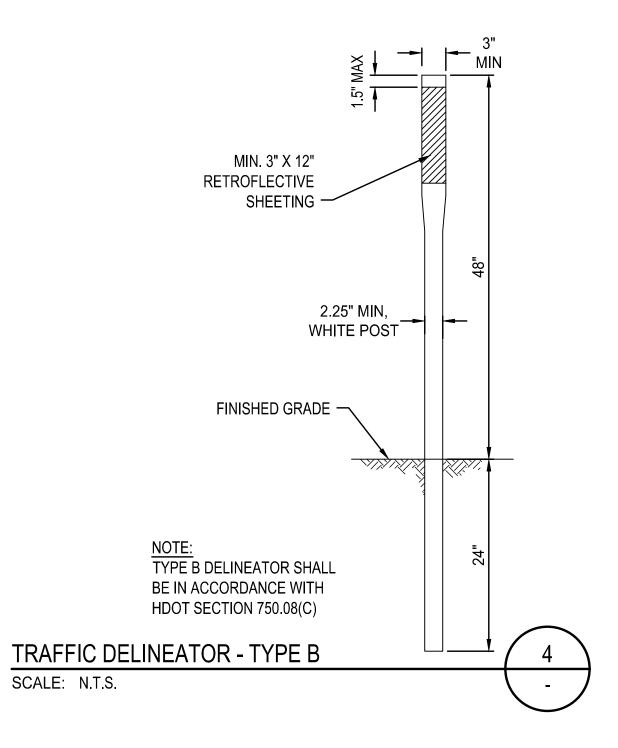




SIGNAGE NOTES:

SEE PLAN FOR SIGN LEGEND.

- 1. ALL SHEETING FOR SIGN PANELS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE FINISHED SIGN PANELS SHALL BE FREE FROM GAPS, CRACKS, STREAKS, WRINKLES, BLISTERS, DISCOLORATION, BUCKLES, AND WARPS AND SHALL HAVE A SMOOTH SURFACE OF UNIFORM COLOR AS INDICATED IN THE PLANS AND THESE SPECIFICATIONS.
 - a. SHEET ALUMINUM SIGN BLANK: 0.125-INCH THICK ASTM B 209 ALLOY 6061-T6.
 - b. ALUMINUM EXTRUSION SIGN BLANK: 0.125-INCH THICK ASTM B 209 ALLOY 6063-T5 AND 6063-T6.
 - c. FABRICATED SUPPORTS: GALVANIZED STEEL PER SECTION 75-105 OF 2010 CALTRANS STANDARD SPECIFICATIONS.
 - d. REFLECTIVE SHEETING: REFLECTIVE PER FS L-S-300 REQUIREMENTS WITH 2,200-HOURS MINIMUM DURABILITY.
 - e. NON-REFLECTIVE SHEETING: NON-CHALKING, WEATHER RESISTANT TRANSPARENT PLASTIC HAVING A PROTECTED ADHESIVE BACKING AND A SMOOTH FLAT OUTER SURFACE WITH GLASS SPHERES EMBEDDED WITHIN.
 - f. BOLTS, NUTS, ACCESSORIES: STAINLESS OR GALVANIZED STEEL.
- 2. SIGN POSTS SHALL BE STRUCTURAL POSTS AS INDICATED IN THE PLANS, AND PAINTED AS INDICATED IN THE DRAWINGS. SIGN POSTS SHALL HAVE BREAK AWAY OR SLIP BASES AS SHOWN IN THE DRAWINGS.
- 3. SIGN COLORS AND FORMATS SHALL CONFORM TO ANSI D6.1. AND HAVE PROVIDED COLORS OF SAME REFLECTORIZED HUE IN DAYLIGHT AND NIGHT UNDER ARTIFICIAL WHITE ILLUMINATION.
- 4. SIGNS SHALL USE STANDARD MUTCD FONTS AND SYMBOLS.





Airports Division

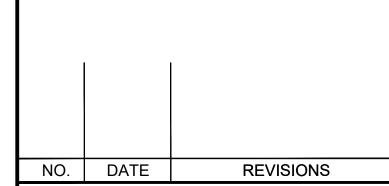
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SHEET TITLE:

PAVEMENT
MARKING DETAILS 5

DATE: **07/2022**

SHEET:

C7.54

DWG. NO.

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