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NOTES

METAL RAIL SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 460 OF THE STANDARD SPECIFICATIONS AND METAL RAIL COMPONENTS SHALL MEET THE REOUIREMENTS OF ARTICLE 1074-5 OF THE STANDARD SPECIFICATIONS.

RAILING SHALL BE CONTINUOUS FROM END POST TO END POST OF BRIDGE.EACH JOINT IN RAIL LENGTH SHALL BE SPLICED AS DETAILED. PANEL LENGTHS OF RAIL SHALL BE ATTACHED TO A MINIMUM OF THREE POSTS.

CAP SCREWS SHALL BE ASTM F593 ALLOY 305 STAINLESS STEEL.WASHERS SHALL MEET THE REOUIREMENTS OF ASTM F844 EXCEPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL.

MINOR VARIATIONS IN DETAILS OF METAL RAIL WILL BE CONSIDERED. DETAILS OF SUCH VARIATIONS, IF DESIRED, SHALL BE SUBMITTED FOR APPROVAL.

ANODIZING

ALUMINUM FOR POSTS, BASES, RAILS, EXPANSION BARS, RIVETS, CAPS, AND SHIMS SHALL BE ANODIZED. THE CONTRACTOR SHALL SUBMIT THREE SETS OF ASTM B-21 6061-T6 ALUMINUM SAMPLES ANODIZED MEDIUM BROWN, DARK BROWN, AND EXTRA DARK BROWN TO THE ENGINEER. THE ENGINEER SHALL SELECT THE COLOR FROM THE SAMPLES FURNISHED BY THE CONTRACTOR.

AFTER A SHADE OF BROWN HAS BEEN SELECTED FOR THE RAILING, THE CONTRACTOR SHALL SUBMIT A SAMPLE OF COMPATIBLE EXTERIOR ACRYLIC HOUSE PAINT TO THE ENGINEER. THIS PAINT SHALL MATCH THE ANODIZED RAIL COLOR AS CLOSELY AS POSSIBLE. AFTER ERECTION OF THE ANODIZED ALUMINUM RAILING, ALL EXPOSED ANCHOR BOLTS, NUTS, WASHERS, MACHINE SCREWS, CAP SCREWS, BOLTS, ATTACHMENT BRACKETS, HOLD-DOWN PLATES, AND BUILT UP ANGLES SHALL BE COATED WITH TWO COATS OF THIS ACTYLIC PAINT.

ANY DAMAGE TO THE ANODIZED SURFACES OF THE RAIL OR COMPONENTS DURING THE CONSTRUCTION SHALL BE REPAIRED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AT THE DIRECTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.

FOR END OF RAIL TO CLEAR FACE OF CONCRETE END POST DIMENSION, SEE STD. NO. BMR2.

METAL RAIL POSTS SHALL BE SET NORMAL TO CURB GRADE.

ALLOY 6351-15 MAY BE SUBSTITUTED FOR ALLOY 6061-16 WHERE APPLICABLE.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE PARAPET AND IN ACCORDANCE WITH ARTICLE 825-101B) OF THE STANDARD SPECIFICATIONS. CONTRACTION JOINTS SHALL BE LOCATED 9 FEET ON EACH SIDE OF PARAPET EXPANSION JOINTS WITH NO MORE THAN 12 FEET BETWEEN CONTRACTION

FOR ANODIZED 2 BAR METAL RAIL, SEE SPECIAL PROVISIONS.

PAY LENGTH = 28.5 LIN.FT.

CAROZINI NORTHESSION N	PROJECT NO. <u>U-5887</u> <u>Henderson</u> county
Docusigned by: 043 143 Christopher B: Condelle	STATION: 22+44.41 -L- Sheet 18 of 21
8/19/2020 MAR B.	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH
Vaughti & Melion Consulting Engineers Copyright 0 2006 Vaught & Melion, Inc.	ANODIZED 2 BAR METAL RAIL
DRAWN BY: HL DATE: 03/2020	REVISIONS SHEET NO.
CHECKED BY: CBCDATE: 03/2020ING. OF RECORD: CBCDATE: 03/2020	NO.BY:DATE:C-1013TOTAL SHEETS2436