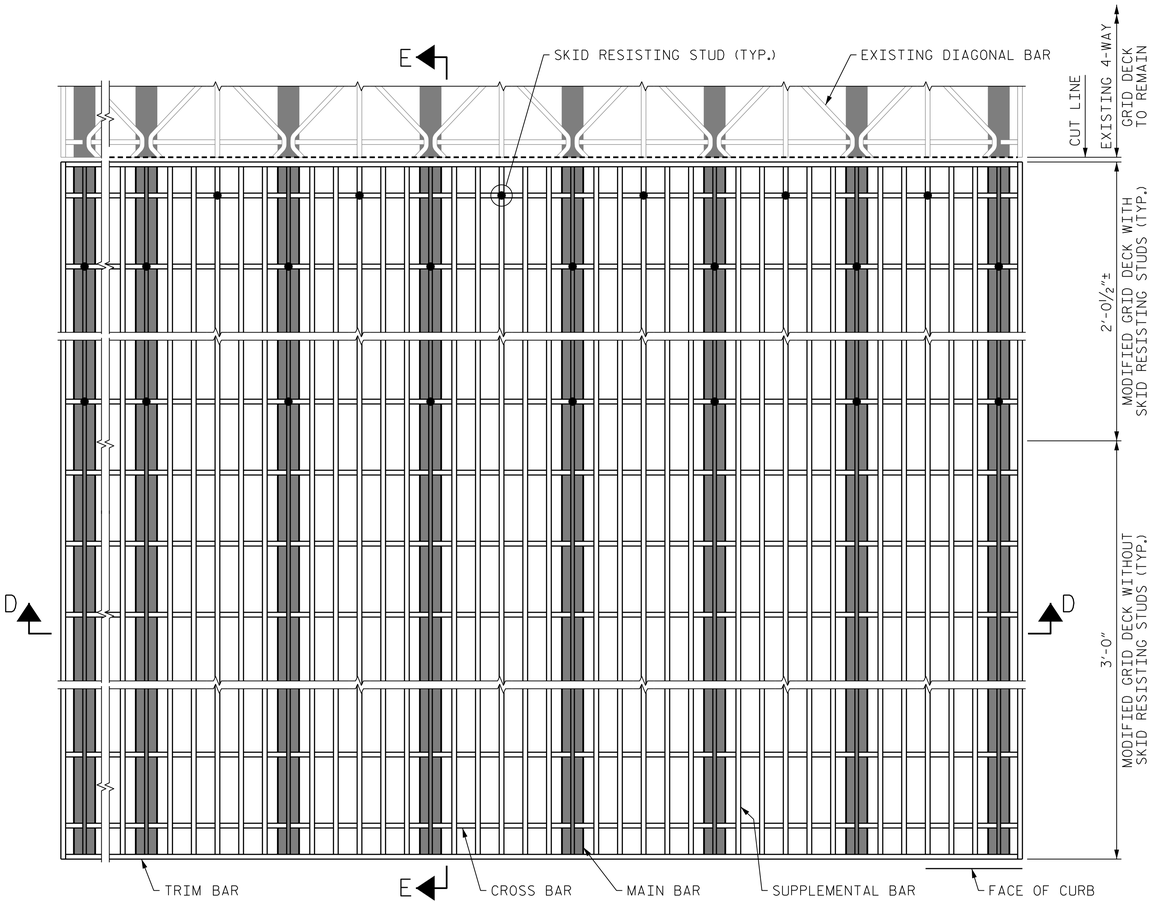
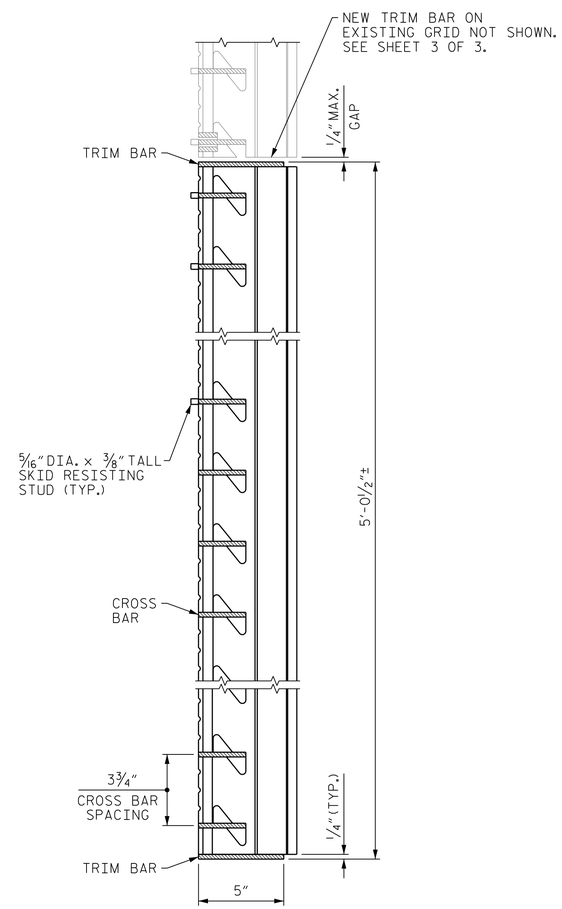
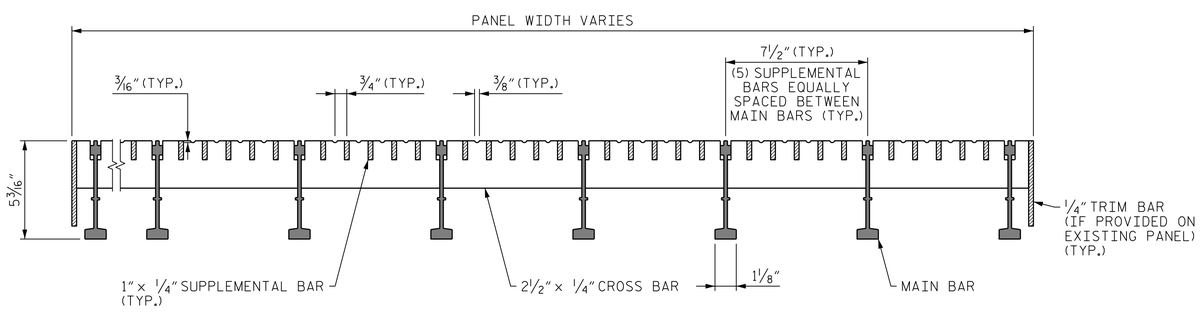


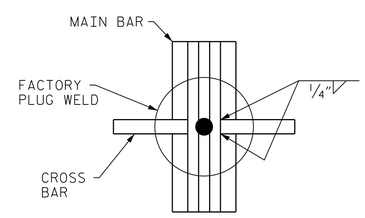
GRID DECK PANEL PLAN VIEW



SECTION E-E



SECTION D-D



WELDMENT DETAIL

(WHERE REQ'D.)

WELDING PROCESS

ALL WELDING TO BE DONE IN ACCORDANCE WITH AWS D1.5 BRIDGE WELDING CODE, LATEST VERSION.

MATERIAL SPECIFICATIONS

MAIN BAR (5.3#/FT.) TO BE A.S.T.M. A709 GRADE 50
CROSS BARS (1/4" x 2 1/2") TO BE A.S.T.M. A709 GRADE 50
SUPPLEMENTAL BARS (1/4" x 1") TO BE A.S.T.M. A709 GRADE 50

FINISH SPECIFICATIONS

GALVANIZED PER ASTM A123.

NOTES:

SERRATIONS TO BE APPROXIMATELY 3/16" DEEP BY 3/8" WIDE ON RANDOM CENTERS, 1" MAX. c-c SPACING.

FOR ADDITIONAL NOTES, SEE SHEET 1 OF 3.

CUT ENDS AND DAMAGED GALVANIZED COATING ON EXISTING GRID DECK TO REMAIN SHALL BE TOUCHED-UP IN ACCORDANCE WITH ASTM A780.

MODIFIED GRID DECK PROPERTIES		
SECTION MODULUS ✱ (IN^3 / FT)		APPROX. GRID WEIGHT (LBS / SF) ✱✱
TOP STEEL	BOTTOM STEEL	24.5
5.35	4.23	

✱ SECTION MODULUS BASED ON 50% OF SUPPLEMENTAL BARS ACTIVE

✱✱ THE GRID WEIGHT IS BASED ON A GALVANIZED GRID. ACTUAL WEIGHTS MAY VARY DUE TO COATING WEIGHT AND DECK ATTACHMENTS.

PROJECT NO. W-5601CK
NEW HANOVER COUNTY
STATION:

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GRID DECK DETAILS

MODJESKI and MASTERS
Experience great bridges.
333 FAYETTEVILLE STREET, SUITE 505
RALEIGH, NC 27601
NC LICENSE NO. C-2979

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
6/26/2018
DocuSigned by: Jason R Doughty
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-7
1			3					TOTAL SHEETS
2			4					8

DESIGNED BY:	C. CORMAN	DATE :	JUNE 2018
DRAWN BY:	K. WHITE	DATE :	JUNE 2018
CHECKED BY:	B. LOFLIN	DATE :	JUNE 2018
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	JUNE 2018

6/26/2018
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