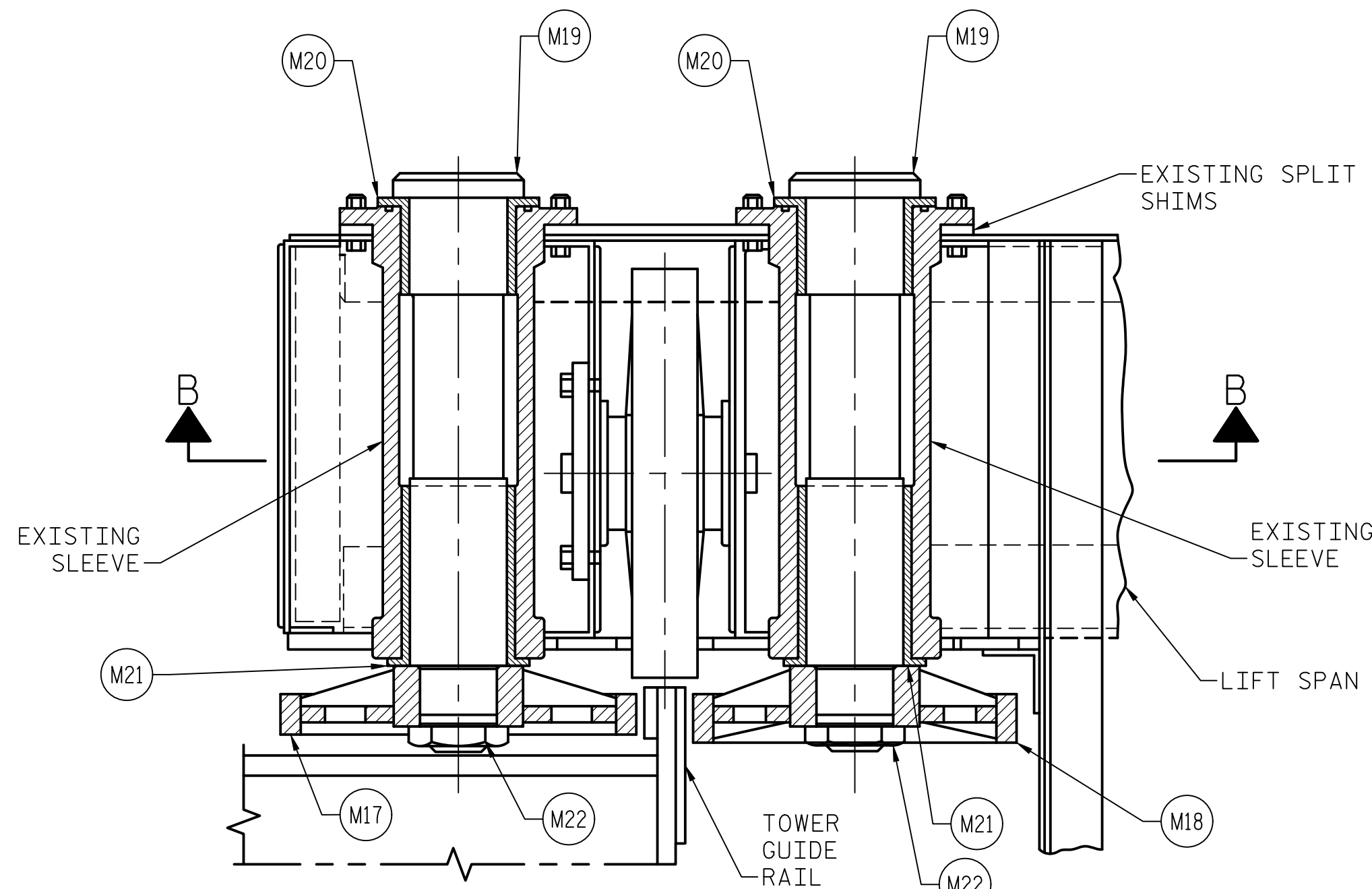


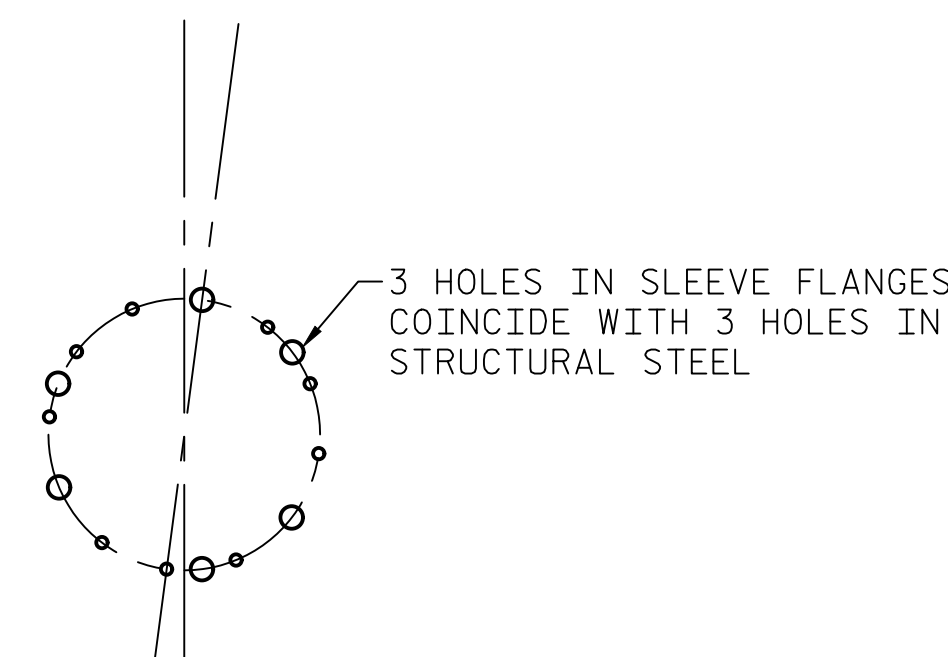
LOWER GUIDE ROLLERS FIXED END

SCALE: 1 1/2"=1'-0"
SOUTHEAST CORNER SHOWN, LOOKING EAST



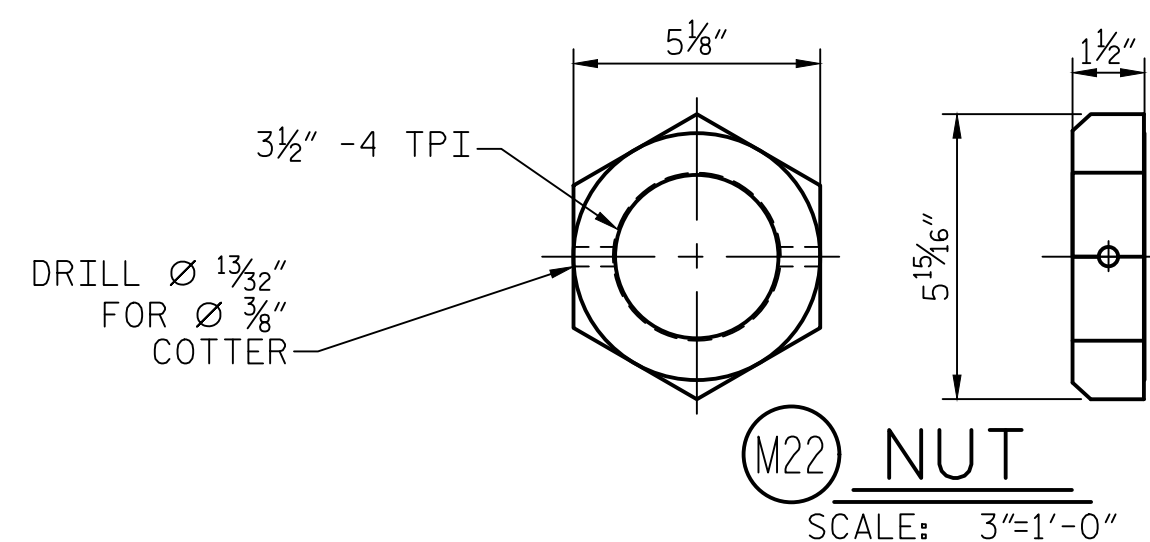
SECTION A-A

SCALE: 1 1/2"=1'-0"

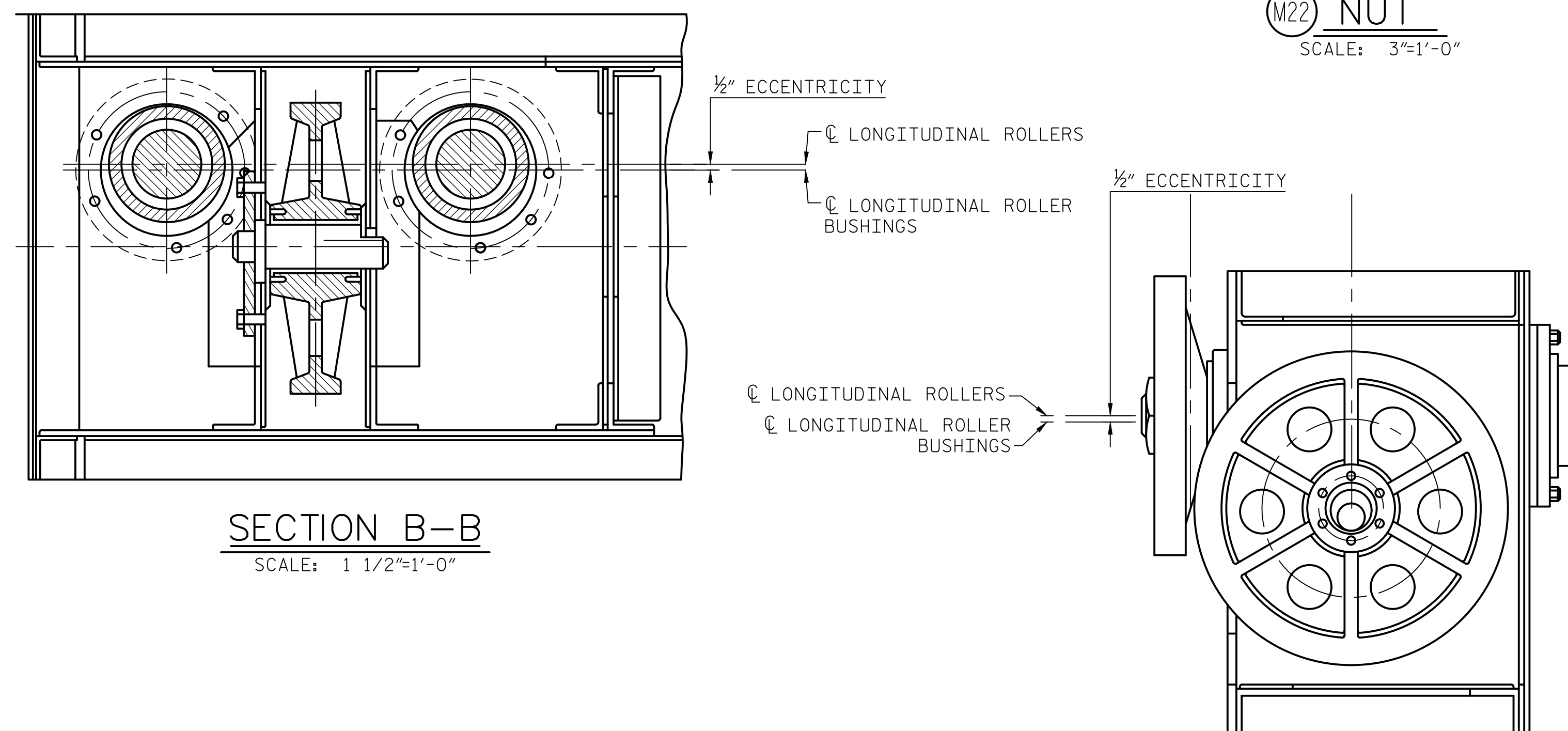


HOLE SPACING FOR ECCENTRIC ADJUSTMENT

SCALE: 1 1/2"=1'-0"
REPLACE ALL ECCENTRIC CONNECTION BOLTS IN KIND.
(12) 3/4" TURNED BOLTS TOTAL
- 2 TURNED TAP BOLTS WITH LOCK WASHERS
- 2 TURNED BOLTS WITH LOCK WASHER AND NUT, 3/4" LG.
- 8 TURNED BOLTS WITH LOCK WASHER AND NUT, 3/4" LG.



M22 NUT
SCALE: 3"=1'-0"



SECTION B-B

SCALE: 1 1/2"=1'-0"

SECTION C-C

SCALE: 1 1/2"=1'-0"

BILL OF MATERIALS

ITEM NO.	QTY.	DESCRIPTION	MATERIAL/MANUFACTURER
M17	2	NEW 22" OD LONGITUDINAL ROLLER	STEEL, ASTM A668, CL D*
M18	2	NEW 20" OD LONGITUDINAL ROLLER	STEEL, ASTM A668, CL D*
M19	4	NEW LONGITUDINAL ROLLER SHAFT	STEEL, ASTM A291, CLASS 3 OR ASTM A311 GR. 4140, COLD DRAWN
M20	4	NEW OUTBOARD LONGITUDINAL ROLLER BUSHING	BRONZE, ASTM B22 ALLOY C91100
M21	4	NEW INBOARD LONGITUDINAL ROLLER BUSHING	BRONZE, ASTM B22 ALLOY C91100
M22	4	NEW NUT WITH SS COTTER PIN	STEEL, ASTM A563, GR. 18-8 COTTER

* NOTE: THE ROLLERS MAY BE MACHINED FROM SOLID, A FABRICATED WELDMENT, OR A CASTING.

NOTES:

- CONTRACTOR SHALL SUBMIT DETAILED PROCEDURE FOR REPLACEMENT OF THE LONGITUDINAL SPAN GUIDE ROLLER ASSEMBLIES.
- CONTRACTOR TO PROVIDE TEMPORARY SPAN GUIDES TO MAINTAIN BRIDGE OPERATIONS DURING FINAL MACHINING.

PROJECT NO. 15BPR.15
NEW HANOVER COUNTY
STATION: _____

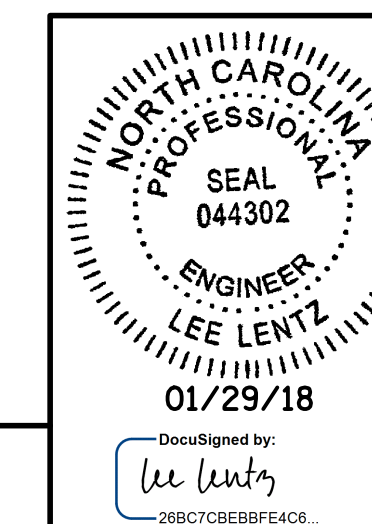
LAST SAVED 1/24/2018 4:33 PM BY EASAMPLE. LAST PLOTTED 1/29/2018 10:29 AM. FILE: \\vmd\01\proj\01\3682\01\CADD\Mechanical\MA-9 SPAN GUIDE ASSEMBLY

DESIGNED BY: E. A. SAMPLE DATE: 08/17/17
DRAWN BY: J. M. SHOUP DATE: 08/17/17
CHECKED BY: L. R. LENTZ DATE: 01/25/18
DESIGN ENGINEER OF RECORD: L. R. LENTZ DATE: 01/25/18



333 FAYETTEVILLE STREET, SUITE 505
RALEIGH, NC 27601
NC LICENSE NO. C-2979

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SPAN GUIDE ASSEMBLY

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			MA-9
2			4			TOTAL SHEETS 10(A)