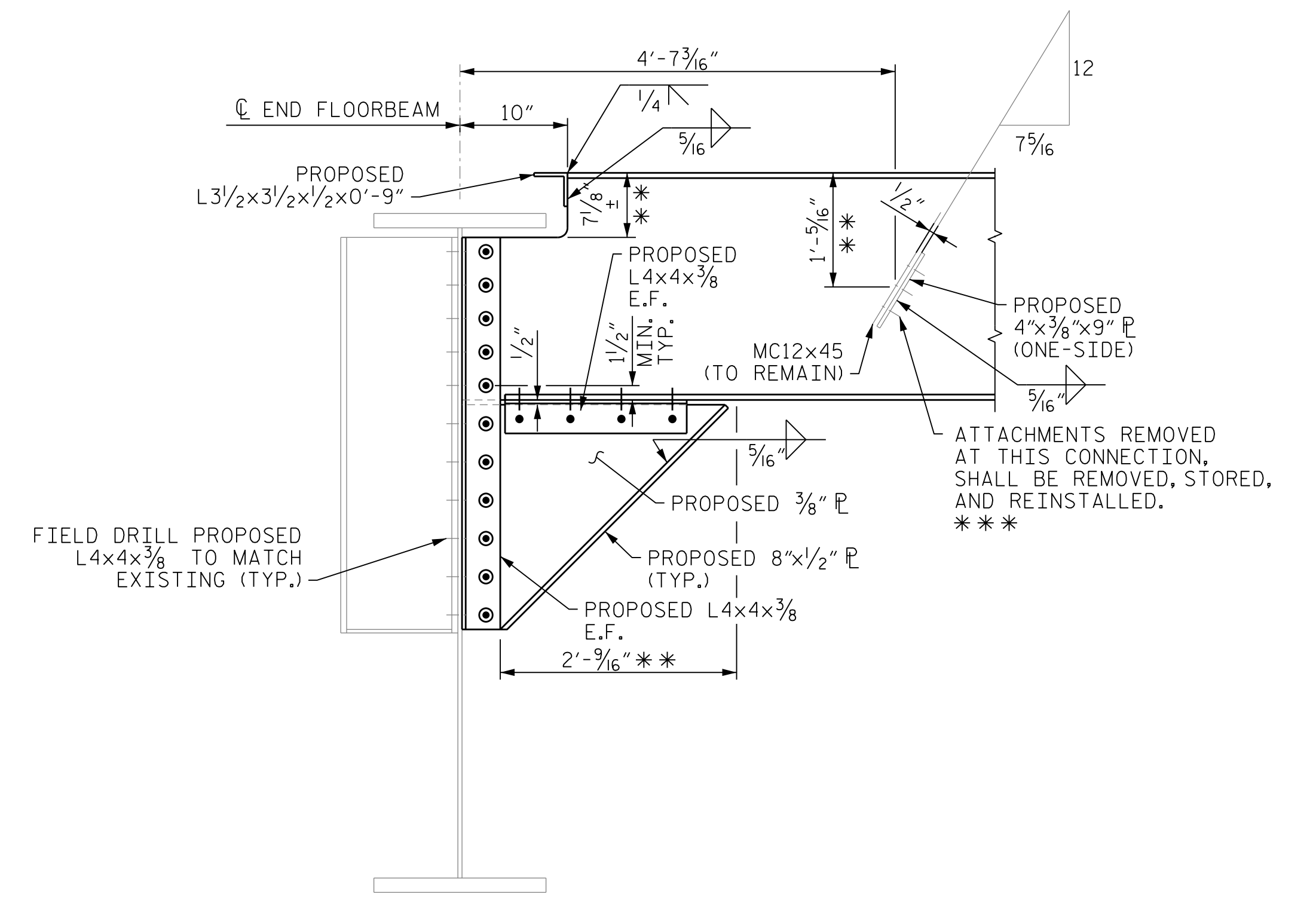


**EXISTING STRINGER S7 AND S8 END DETAILS**

\*\*\* TO FACILITATE OPERATION OF THE LIFT SPAN, TEMPORARY BRACING SHALL BE INSTALLED IMMEDIATELY AFTER THE REMOVAL OF THE EXISTING CENTERING DEVICE BRACING. CONTRACTOR SHALL SUBMIT TEMPORARY BRACING FOR APPROVAL. COST OF TEMPORARY BRACING SHALL BE INCLUDED IN THE COST OF THE STRUCTURAL STEEL.



**PROPOSED STRINGER S8 AT FBO**

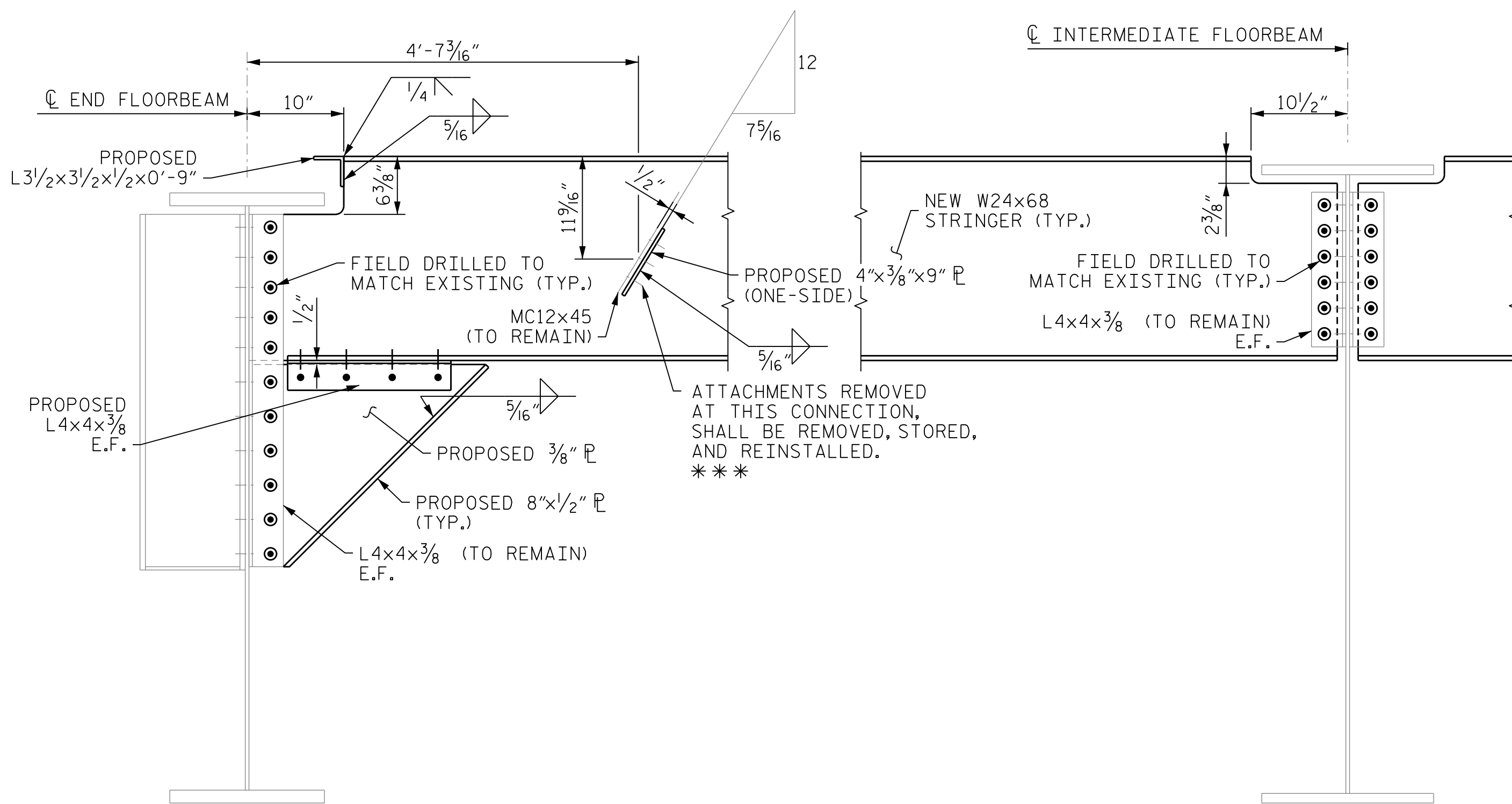
\*\* FIELD VERIFY THIS DIMENSION AS THIS DIMENSION IS APPROXIMATED ASSUMING THAT THE LIFT SPAN FINGER JOINT WILL NEED TO BE RAISED 3/4" ± AT EACH SOUTHWEST END STRINGER LOCATION (S8-S14). (FIELD DRILLED BOLTS THROUGH STRINGER TOP FLANGE NOT SHOWN IN THIS VIEW.)

**BOLT LEGEND:**

- EXISTING BOLT
- NEW BOLT IN EXISTING HOLE OR IN HOLE FIELD DRILLED TO MATCH EXISTING HOLE
- NEW BOLT IN NEW HOLE

**NOTES:**

- ALL BOLTS ARE 7/8" DIAMETER ASTM F3125 GRADE A325 GALVANIZED HIGH STRENGTH BOLTS UNLESS OTHERWISE SHOWN.
- \* FIELD VERIFY LOCATION OF EXISTING STRINGERS BEFORE SUBMITTING SHOP DRAWINGS.
- ANY BOLTS LOOSENED FROM ANY CONNECTION DURING CONSTRUCTION SHALL BE REPLACED WITH NEW BOLTS TIGHTENED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT A FEW OF THE EXISTING STRINGER CONNECTIONS AT THE END FLOORBEAMS CONTAIN RIVETS.
- SEE OPEN GRID DECK DRAWINGS FOR STRINGER TO DECK CONNECTION DETAILS.



**PROPOSED STRINGER S7 AND S8 END DETAILS**

(TYPICAL UNLESS NOTED OTHERWISE.) (FIELD DRILLED BOLTS THROUGH STRINGER TOP FLANGE NOT SHOWN IN THIS VIEW.)

PROJECT NO. 15BPR.102.3  
 NEW HANOVER COUNTY  
 BRIDGE NO. 640013

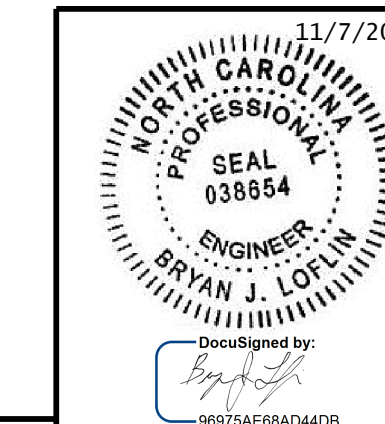
SHEET 4 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**STRUCTURAL STEEL  
 END STRINGERS**



333 FAYETTEVILLE STREET, SUITE 500  
 RALEIGH, NC 27601  
 NC LICENSE NO. C-2979



**REVISIONS**

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.  
 S-17  
 TOTAL SHEETS  
 21

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

11/7/2023 401\_033\_15BPR.102\_SML\_S506.17.dgn

DESIGNED BY: C. CORMAN DATE: AUG 2023  
 DRAWN BY: R. JOHNSON DATE: AUG 2023  
 CHECKED BY: M. NIFONG DATE: AUG 2023  
 DESIGN ENGINEER OF RECORD: B. LOFLIN DATE: SEP 2023