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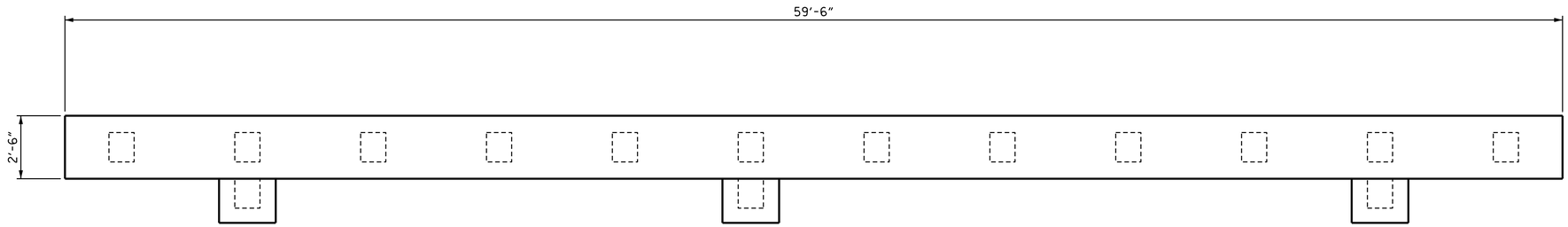
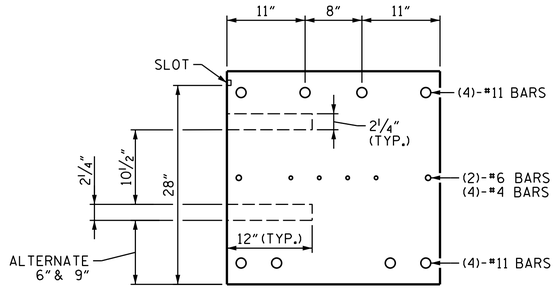
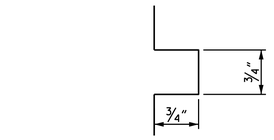


PLAN
NTS



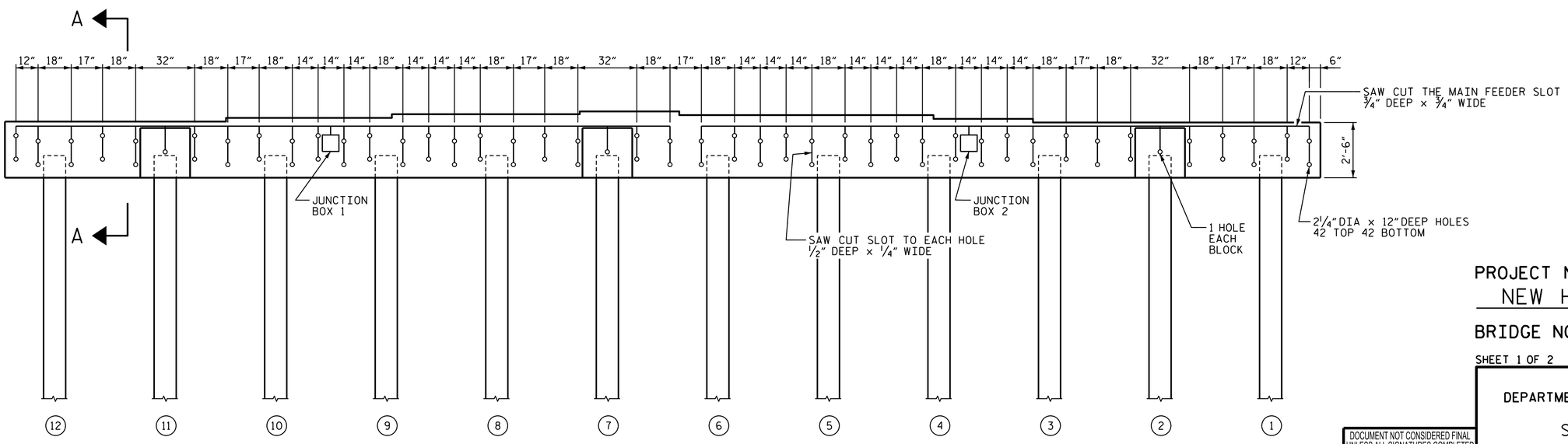
SECTION A-A
NTS



MAIN FEEDER SLOT DETAIL
NTS

NOTES

1. ONE REFERENCE CELL PER MONITORING CAP.
2. REFERENCE ELECTRODE WIRE IS TO BE ROUTED IN THE MAIN FEEDER SLOT TO THE JUNCTION BOX.
3. REFERENCE CELL (FOR MONITORING CAPS ONLY) AND STRUCTURE CONNECTION LOCATIONS TO BE SELECTED BY CATHODIC PROTECTION SPECIALIST IN THE FIELD. NOT SHOWN FOR CLARITY.
4. ANODE LOCATIONS MAY BE ADJUSTED ± 2" TO AVOID EMBEDDED REINFORCEMENT.
5. MAKE THREE SYSTEM NEGATIVE CONNECTIONS PER HALF OF PIER CAP (ONE ON EACH END, ONE IN THE MIDDLE). ROUTE WIRES THROUGH MAIN FEEDER SLOT TO THE JUNCTION BOX. BACKFILL THE SLOTS WITH CEMENTITIOUS MORTAR.



EAST ELEVATION
NTS

PROJECT NO. 15BPR.19
NEW HANOVER COUNTY
BRIDGE NO. 640021

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 1
DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-47
1			3			TOTAL SHEETS
2			4			58

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 046208 ENGINEER CASEY J. HOWARD
10/19/2020

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CHECKED: SM

CHECKED BY: C.J. HOWARD DATE : FEB 2018

10/18/2020
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