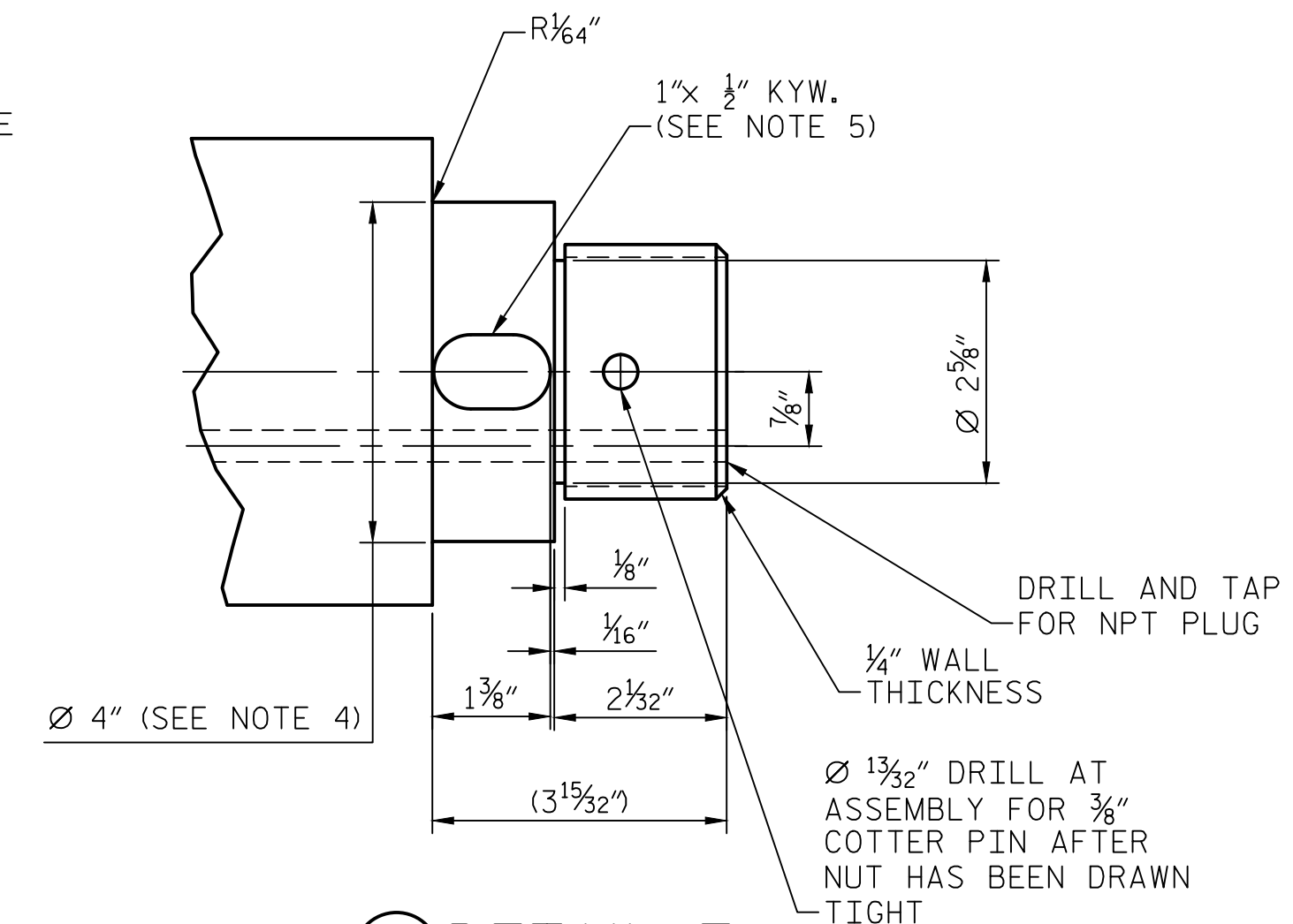


M10 HITCH SHAFT

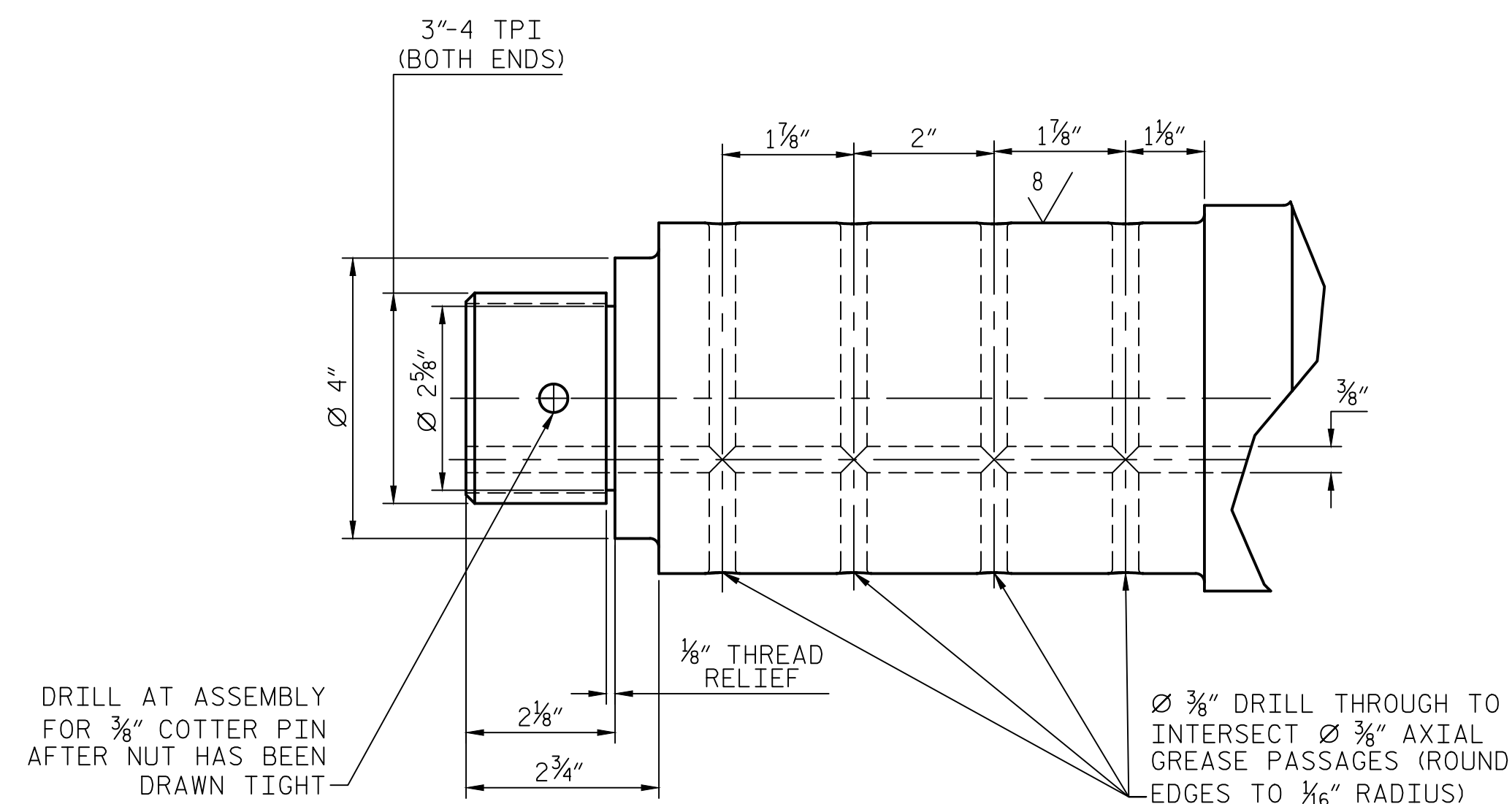
SCALE: 3"=1'-0"

125/ FINISH ALL OVER EXCEPT AS NOTED



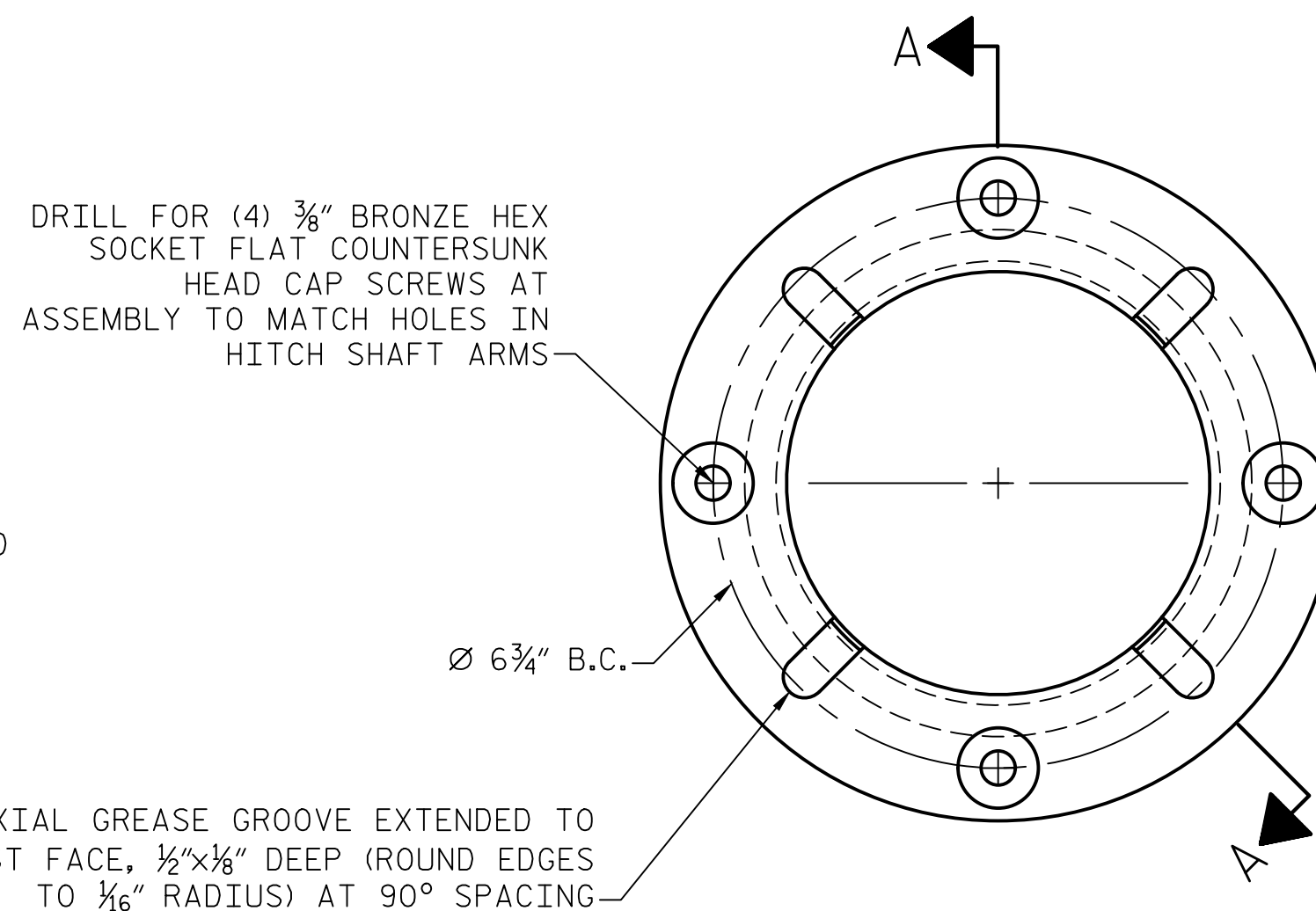
E MA-7 DETAIL E

SCALE: 6"=1'-0"



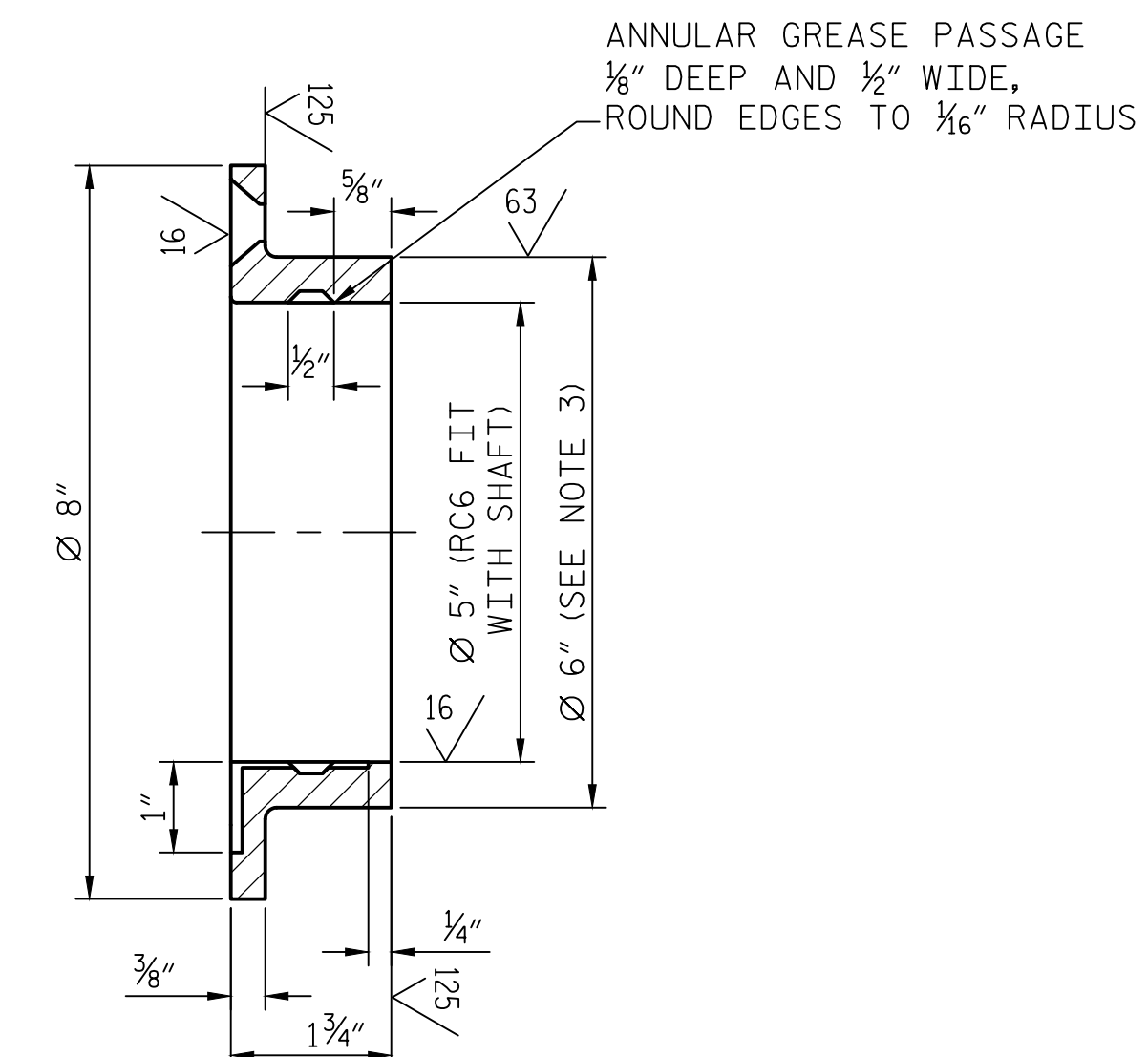
D MA-7 DETAIL D

SCALE: 6"=1'-0"



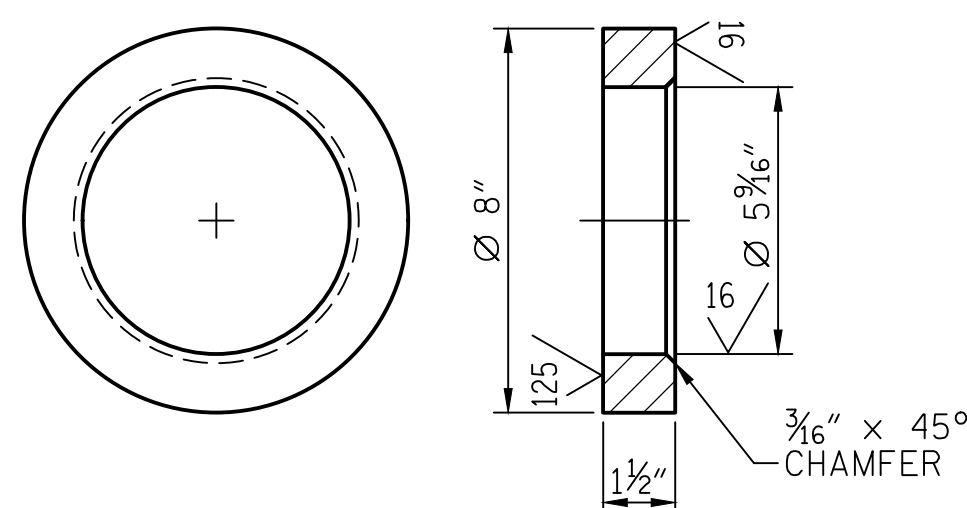
M11 HITCH SHAFT BUSHING

SCALE: 6"=1'-0"



A MA-7 SECTION A

SCALE: 6"=1'-0"



M12 HITCH THRUST COLLAR

SCALE: 3"=1'-0"

NOTES:

1. DIAMETER OF AUXILIARY HITCH ARM BORE TO BE MEASURED AFTER DISASSEMBLY.
2. BORE TO BE MACHINED AS NECESSARY TO PROVIDE A CLEAN AND ROUND BORE, WITH ONLY THE MINIMAL MATERIAL REMOVED TO ACHIEVE THIS.
3. SURFACE TO MATCH MINIMUM CLEAN SURFACE OF EXISTING HITCH ARMS FOR FN2 FIT
4. CONTRACTOR SHALL FIELD VERIFY BORES IN EXISTING SUPPORT BRACKET AND SUBMIT TO ENGINEER PRIOR TO FINAL MACHINING.
5. CONTRACTOR SHALL SUPPLY A NEW KEY.
6. ALL GREASE GROOVES ARE TO BE PROVIDED WITH A 1/16" RADIUS AT EDGES.
7. CONTRACTOR SHALL INSTALL AND RUN LUBRICATION LINES FROM THE HITCH ARM SHAFTS TO AN ACCESSIBLE LOCATION AT THE TOP OF THE LIFTING GIRDER.
8. LUBRICATION LINES SHALL BE MINIMUM 10,000 PSI BURST PRESSURE WIRE REINFORCED FLEXIBLE HOSE THAT IS EXTENDED TO AN EASILY ACCESSED LOCATION AND ATTACHES TO RIGIDLY MOUNTED GREASE FITTINGS FOR FUTURE MAINTENANCE.

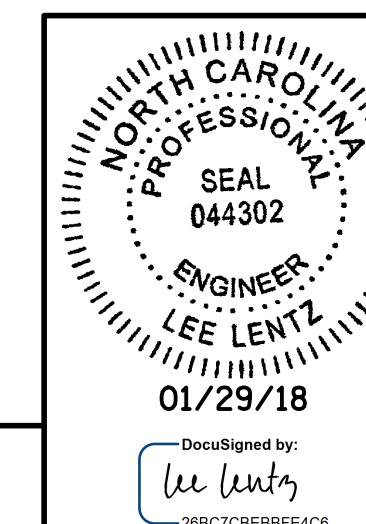
PROJECT NO. 15BPR.15
NEW HANOVER COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

AUX. COUNTERWEIGHT
 ASSEMBLY DETAILS - 5



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



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	MA-7
1			3			TOTAL SHEETS
2			4			10(A)

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

LAST SAVED 1/24/2018 4:32 PM BY EKASAMPLE
 LAST PLOTTED 1/29/2018 10:29 AM
 FILE: \\imiddo01\p\projects\15682\01\CADD\Mechanical\MA-7 AUX. COUNTERWEIGHT ASSEMBLY DETAILS - 5

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