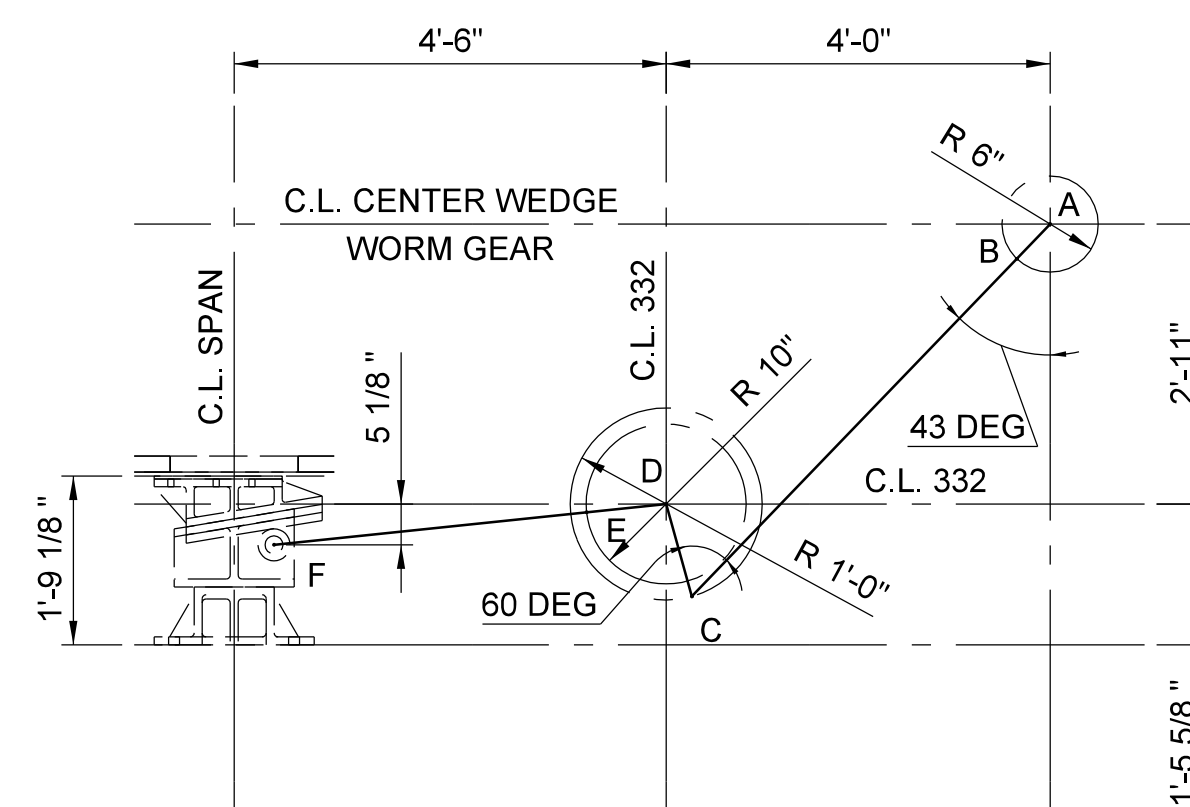
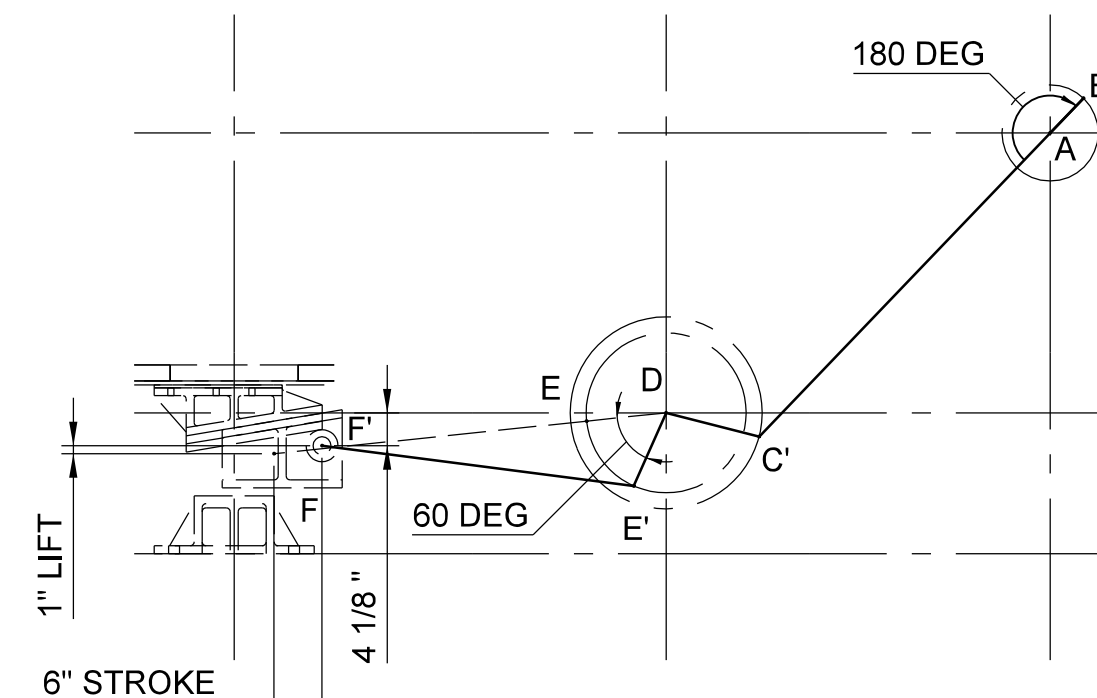


CENTER WEDGE MACHINERY ASSEMBLY

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



FULLY EXTENDED POSITION



FULLY RETRACTED POSITION

CENTER WEDGE LINKAGE - BASIC KINEMATIC DIAGRAM

N.T.S.
DIMENSIONS PER ORIGINAL SHOP DRAWINGS
ANGLES SHOWN NOMINAL

CENTER WEDGE MACHINERY REHABILITATION NOTES:

- FOR A GENERAL DESCRIPTION OF WORK FOR EACH OF THE COMPONENTS SHOWN ON THIS SHEET, PLEASE REFER TO THE CENTER WEDGE MACHINERY TABLE SHOWN ON SHEET NO. M-18.
- THE CENTER WEDGE MACHINERY SHALL BE REMOVED FROM THE SWING SPAN AND BROUGHT TO A QUALIFIED MACHINE SHOP FOR REHABILITATION. AT THE MACHINE SHOP, ALL EXISTING COMPONENTS TO BE REUSED WILL BE CLEANED, INSPECTED AND PREPARED FOR REUSE. ALL EXISTING COMPONENTS TO BE REPLACED WILL BE CLEANED, INSPECTED AND MEASURED TO CONFIRM THE FINAL DIMENSIONS AND FEATURES OF REPLACEMENT COMPONENTS. WHILE THE CENTER WEDGE MACHINERY IS OUT OF SERVICE, THE CONTRACTOR SHALL PLAN TO PROVIDE A TEMPORARY MEANS OF SECURING THE CENTER OF THE SWING SPAN TO ACCOMMODATE LIVE LOADS. THIS WORK SHOULD BE PERFORMED IN A COORDINATED MANNER WITH THE END WEDGE AND CENTERING DEVICE MACHINERY, SINCE EACH OF THESE SYSTEMS UTILIZE COMMON EQUIPMENT.
- THE CONTRACTOR SHALL PLAN TO ADJUST THE POSITION OF THE REHABILITATED CENTER WEDGES SUCH THAT EACH ARE CENTERED WITH THEIR RESPECTIVE SEATS WHEN THE SWING SPAN IS CLOSED TO NAVIGABLE TRAFFIC AND THE CENTER WEDGES ARE FULLY DRIVEN. IN THIS POSITION, THE CENTER WEDGES SHOULD HAVE FULL CONTACT ALONG THEIR BEARING SURFACES BUT NOT IMPOSE A POSITIVE REACTION ON THE SWING SPAN. THE FINAL ELEVATION OF THE CENTER WEDGE MACHINERY MAY REQUIRE ADJUSTMENT OF MACHINERY COMPONENT SHIM THICKNESS AND/OR ADJUSTMENT OF WEDGE SEAT GROUT THICKNESS TO BEST COMPLEMENT THE FINAL ELEVATION OF THE SWING SPAN.
- ALL IN-KIND REPLACEMENT, IN-KIND REHABILITATED AND NEW COMPONENTS MAKING UP THE CENTER WEDGE MACHINERY ASSEMBLY SHALL BE PROVIDED WITH NEW SHIMS AND HIGH STRENGTH HARDWARE, UNLESS OTHERWISE SHOWN OR REQUIRED WITHIN THE SPECIFICATIONS.

PROJECT NO. B-5936
TYRRELL COUNTY
 BRIDGE NO: 7

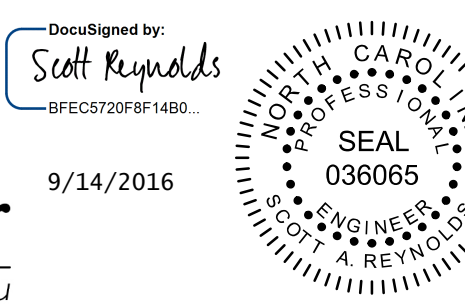
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

CENTER WEDGE
 MACHINERY ASSEMBLY

ALLIGATOR RIVER
 SWING SPAN



DocuSigned by:
 Scott Reynolds
 DFEC5209F1480...



DRAWN BY: JAG/MS DATE: 8/8/2016
 CHECKED BY: GAF/RH DATE: 8/8/2016
 DESIGN ENGINEER OF RECORD: JAG/MS DATE: 8/8/2016

DWG NUMBER	TOTAL DWGS
82	90

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO. M-15
NO	BY	DATE	NO	BY	DATE	
1			3			TOTAL SHEETS 23
2			4			