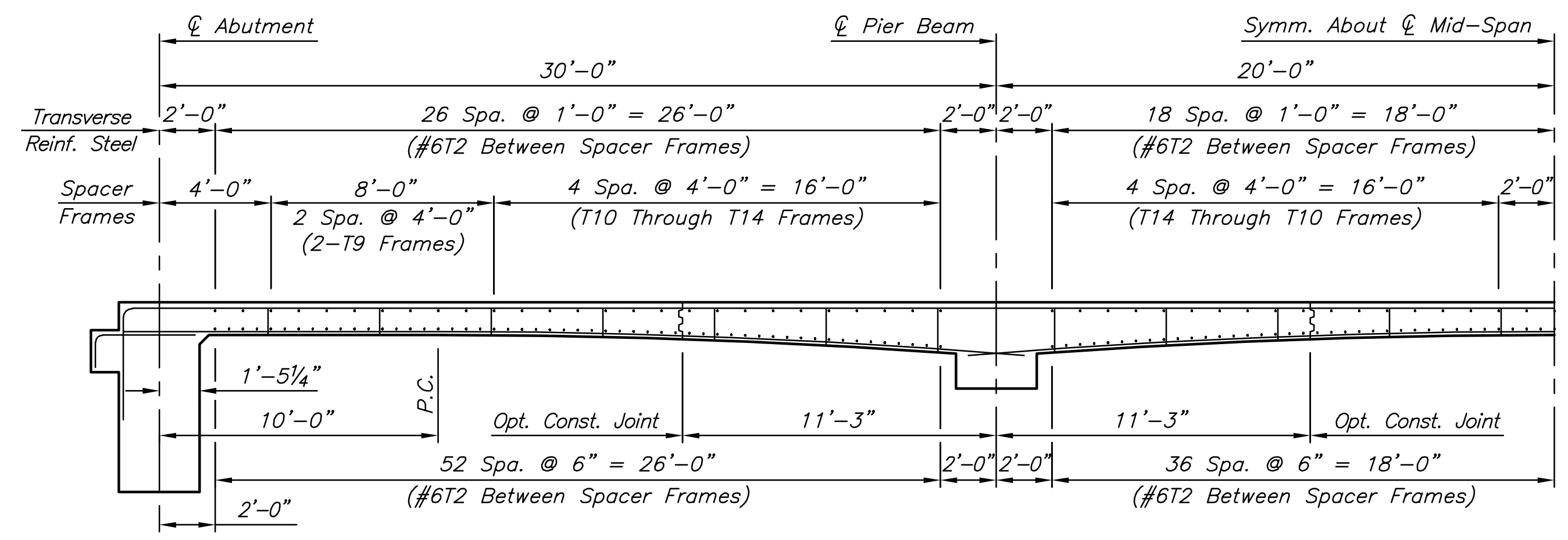
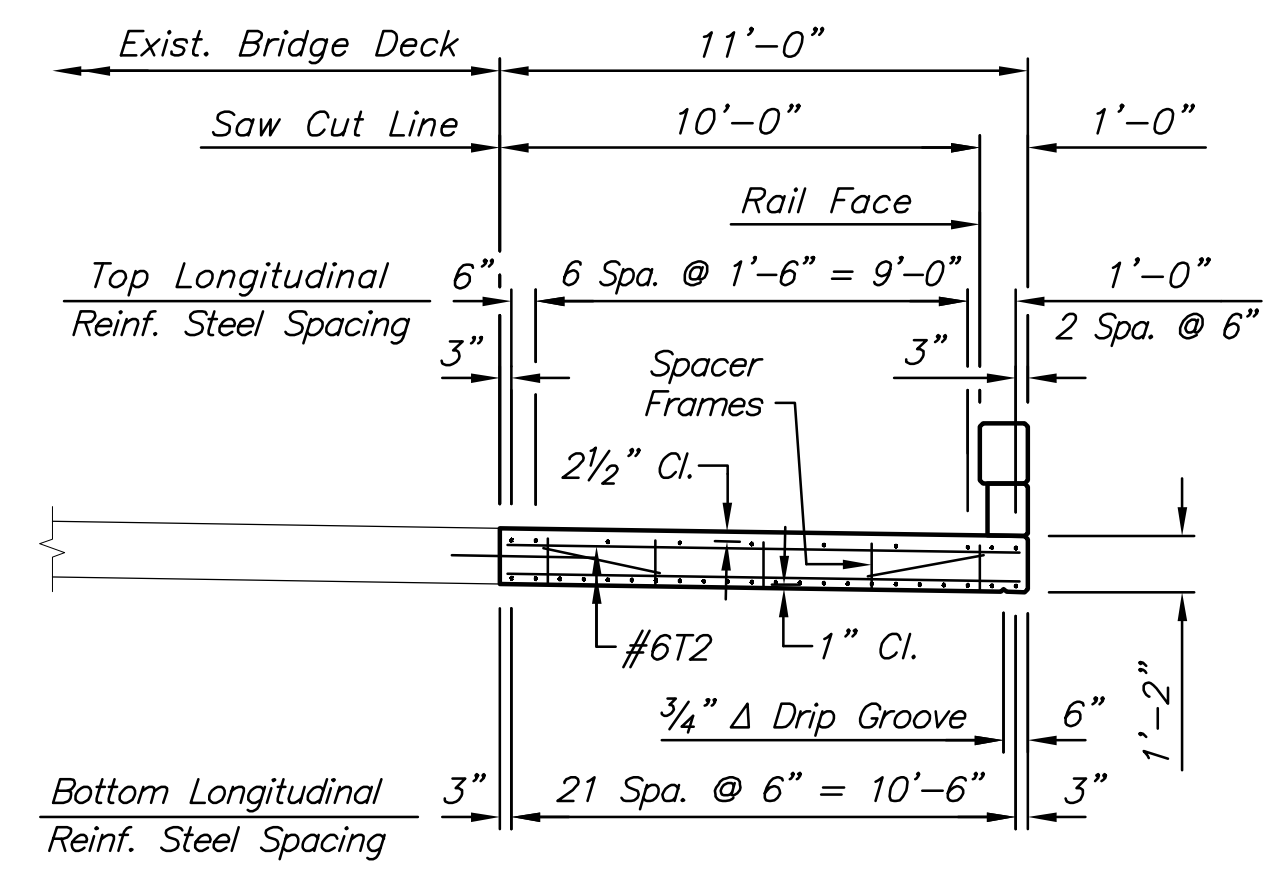


**PLAN**



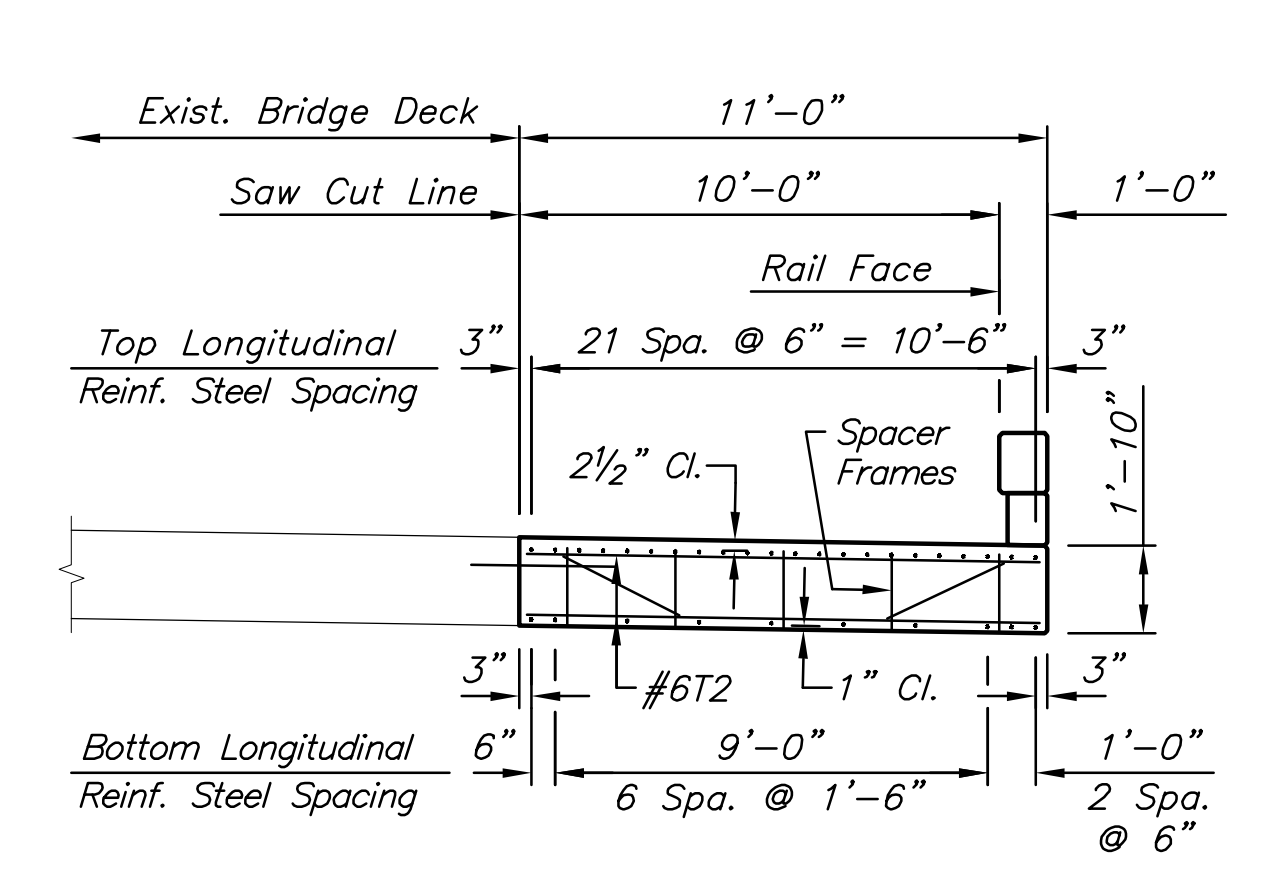
**HALF LONGITUDINAL SECTION**

(See Sh. No. 89 for "Typical Haunch Ordinates")



**TYPICAL SECTION**

At Mid-Span



**TYPICAL SECTION**

At Face of Pier Beam

**NOTE:**  
Drill and Epoxy all ST1 bars as shown into existing bridge slab concrete (12" Min. Embed.)

Epoxy Resin shall be selected from Kansas Department of Transportation Prequalified Materials List, PQL-10.5 "Epoxy-Resin-Base Bonding Systems for Concrete".

All materials, labor, and equipment necessary for this work shall be considered subsidiary to the bid item "Reinforcing Steel".

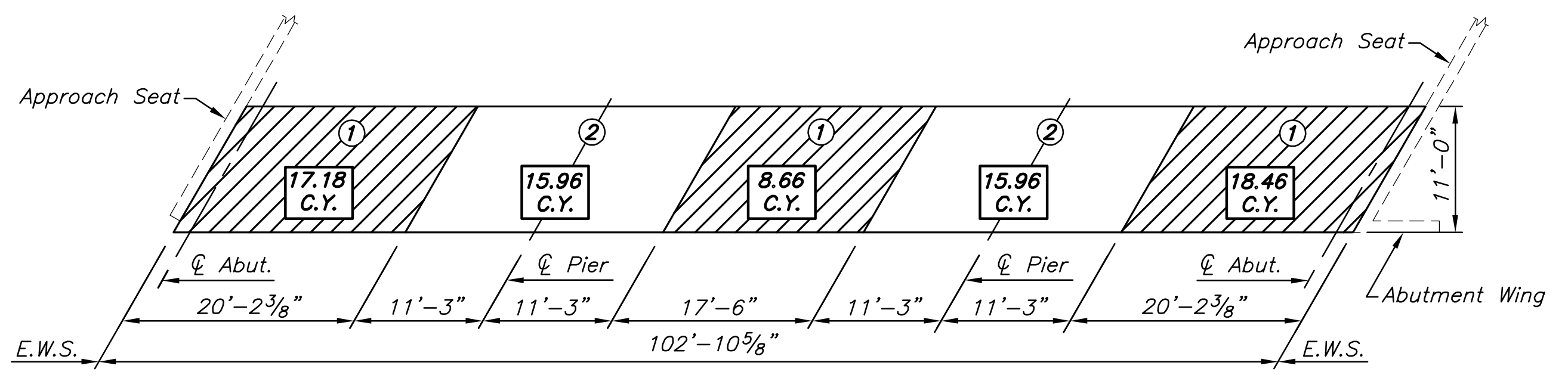
**CONCRETE PLACING SEQUENCE**

When timber falsework with greater than 12'-0" clear span is used, follow the placing sequence shown. Segmental, combined or continuous pours are allowed, but stop a discontinuous pour at a construction joint short of a pier.

The Contractor, subject to the approval of the Engineer, may use a continuous pour or may discontinue the pour at any construction joint shown.

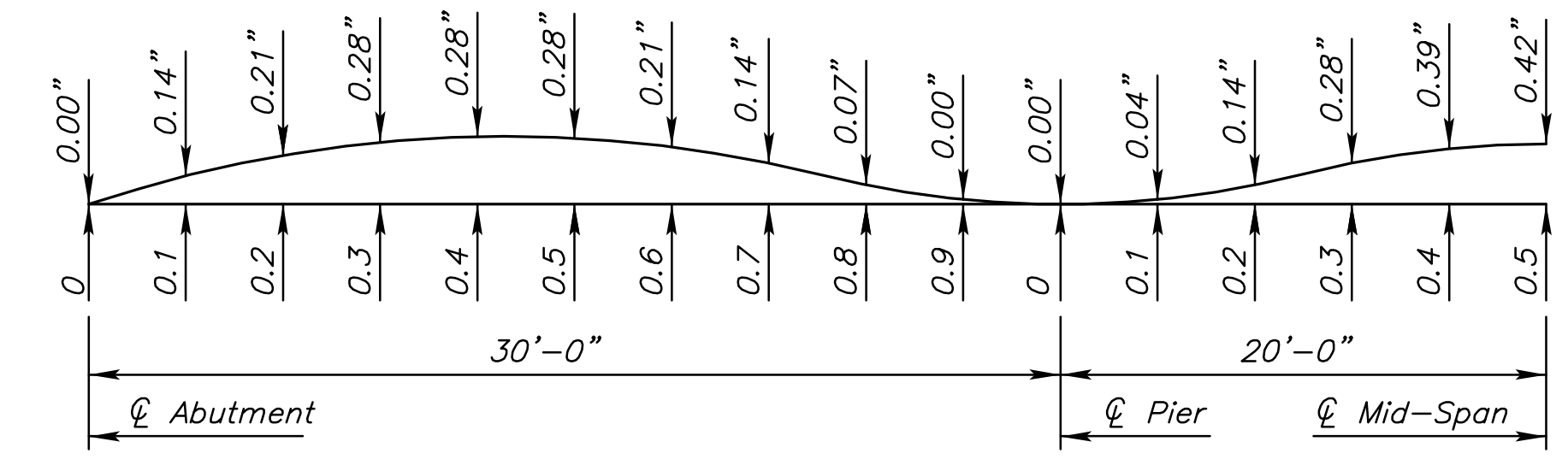
The Contractor may place the corral rail continuously from one end of the bridge to the other.

Quantities shown do not include Corral Rail concrete.



**CONCRETE PLACING SEQUENCE DIAGRAM**

(End Span concrete quantities include Abutment Wing & Approach Seat)



**TYPICAL DEAD LOAD CAMBER DIAGRAM AT TENTH POINTS**

Long Term Deflections = Initial Deflections x 3.5  
(Initial Deflections Based on  $E_c = 3.605 \times 10^6$  p.s.i.)  
(camber values in inches)

©2017 MKEC Engineering All Rights Reserved  
www.mkec.com  
These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

**PHASE 3 SUPERSTRUCTURE DETAILS**

PROJECT NO.	472-85158	
DATE	11/29/17	
SCALE	1/4"=1'	
DESIGNED	DRAWN	CHECKED
KJS	DMU	KJS
NO.	REVISION	DATE

SHEET NO.

J:\PROJECTS\2017\1401040290 - COM\_127THE\_13TH TO 21ST\05-CIVIL\CAO\BRIDGE\14282007.DWG PLOTTED: Wednesday, November 29, 2017 @ 03:10PM