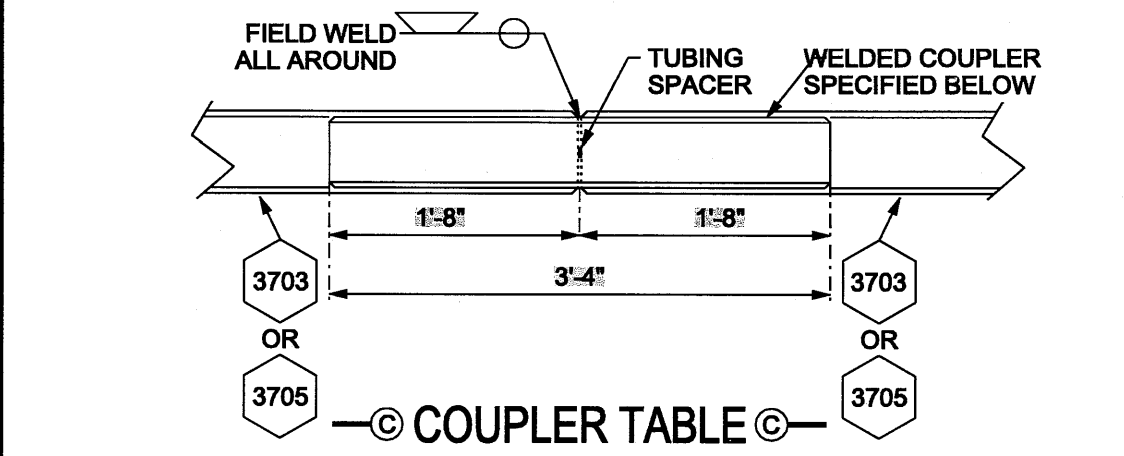


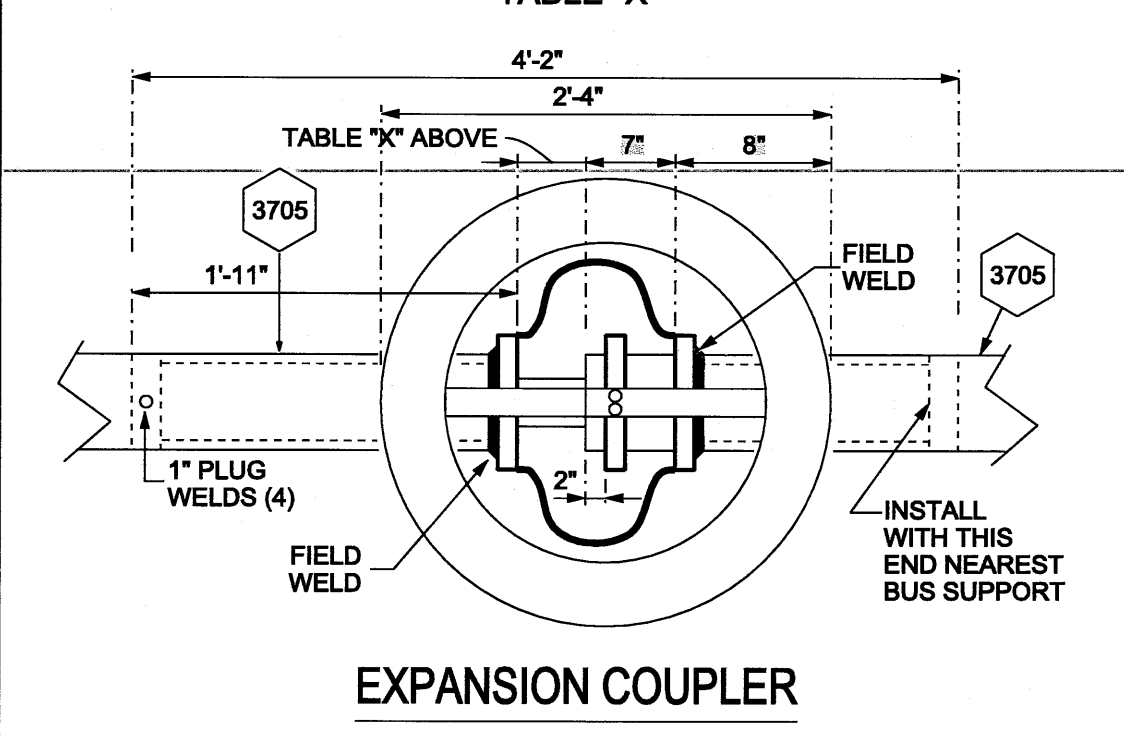
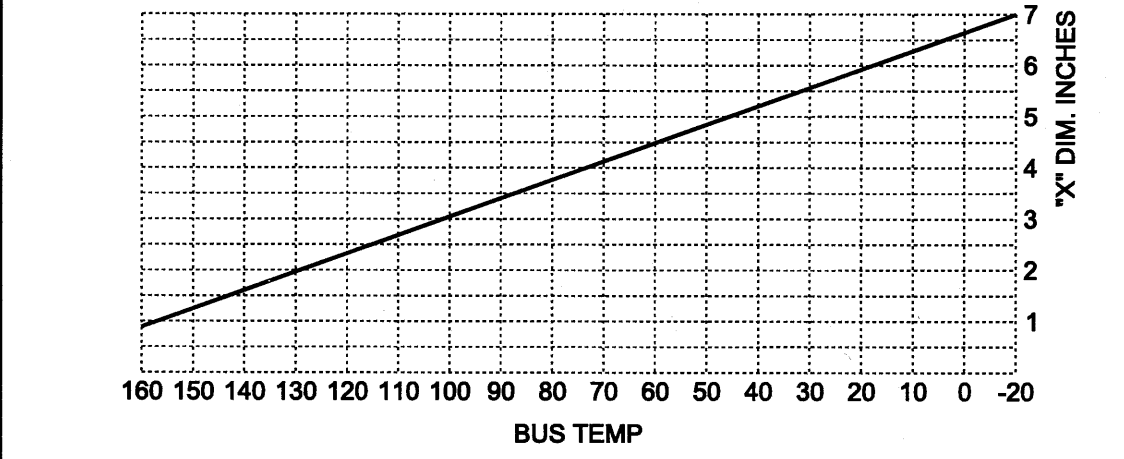
**INSTALLATION NOTE:**  
 TO INSURE PROPER INSTALLATION, (2) HOLES 1/8" MUST BE DRILLED 90° FROM EACH OTHER DIRECTLY ON THE HORIZONTAL OF THE BUS CONDUCTOR AT THE RECOMMENDED LOCATION. WHEN THE DAMPER ASSEMBLY HAS BEEN INSERTED INTO THE BUS CONDUCTOR AND HAS REACHED THE DRILLED HOLES ONE ALIGNMENT ARROW SHOULD BE VISIBLE THRU EACH HOLE. WHEN THE ALIGNMENT ARROW ARE POINTED UPWARD, THE DESIRED CONDITION HAS BEEN OBTAINED AND THE DAMPER CAN BE WELDED INTO PLACE AS ILLUSTRATED.

**DAMPERS (D)** LOCATED AT 1/3 THE SPAN LENGTH FROM THE SUPPORT COLUMN PLUS TWO FEET ONE DAMPER PER SPAN. USE TABLE ON RIGHT FOR DAMPER LOCATIONS.

SPAN	LOCATION OF DAMPER FROM SUPPORT
30'	12'-0"
35'	13'-0"
40'	15'-4"
45'	17'-0"
50'	18'-5"



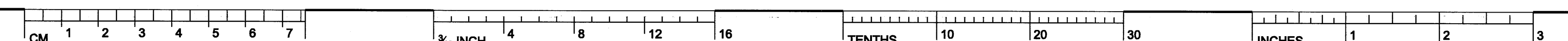
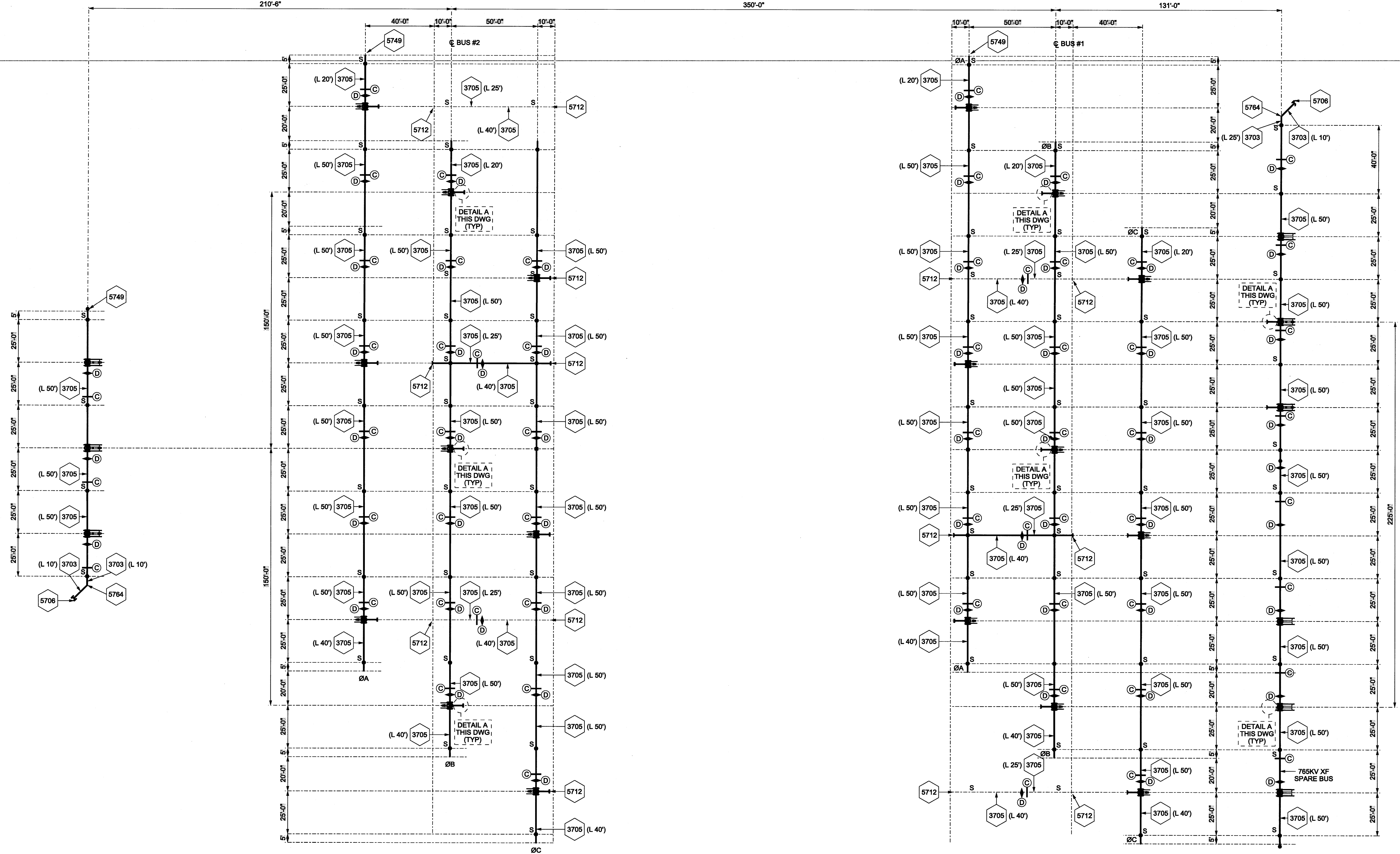
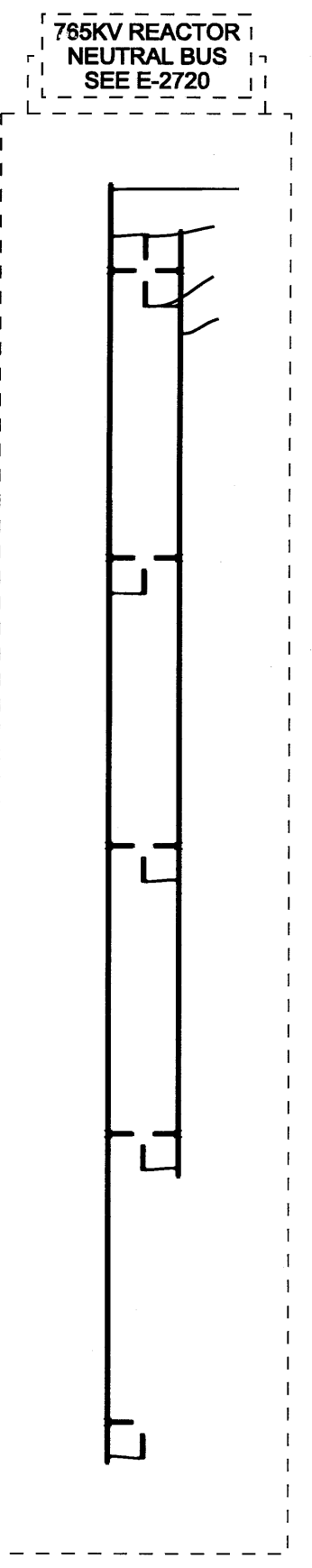
FOR ITEM# 3703 (SCH. 80) USE COUPLER ITEM# 5731  
 FOR ITEM# 3705 (SCH. 80) TO 3705 (SCH. 40) USE COUPLER ITEM# 5722  
 FOR ITEM# 3705 (SCH. 40) TO 3705 (SCH. 40) USE COUPLER ITEM# 5721



**GENERAL NOTES:**  
 1. FOR CONSTRUCTION NOTES SEE AEP "TECHNICAL SPECIFICATION FOR SUBSTATION AND SWITCHING STATION CONSTRUCTION" #SS-160102

**REFERENCE DRAWINGS**  
 ONE LINE DIAGRAM E-

**LEGEND**  
 L INDICATES TUBING CUT LENGTH  
 F INDICATES FIXED FIT BUS CLAMP (5728)  
 S INDICATES SLIP FIT BUS CLAMP (5750)  
 E INDICATES EXPANSION FITTING (5722)  
 (D) INDICATES TUBING DAMPER, SEE DAMPER TABLE FOR LOCATIONS  
 (C) INDICATES TUBING COUPLER, SEE COUPLER TABLE TO VERIFY THE ITEM



CONCEPTUAL

ISSUE#	NO.	DATE	REVISION DESCRIPTION	APPD.
OLD DWG #:			STD DWG #:	
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PATH WEST VIRGINIA				
<b>KEMPTOWN STATION</b>				
MONROVIA		MARYLAND		
78KV ELECTRICAL ASSEMBLY				
SECTIONS 7N1-7N1, 7N2-7N2, 7N3-7N3				
DWG. NO. E-2710		STATION PROJECTS ENGINEERING		
SCALE: 1" = 30'	DR: CLB	CH:	ENG:	DATE: 08/11/09
APPROVED BY:				R
1 RIVERSIDE PLAZA COLUMBUS, OH 43215				C1