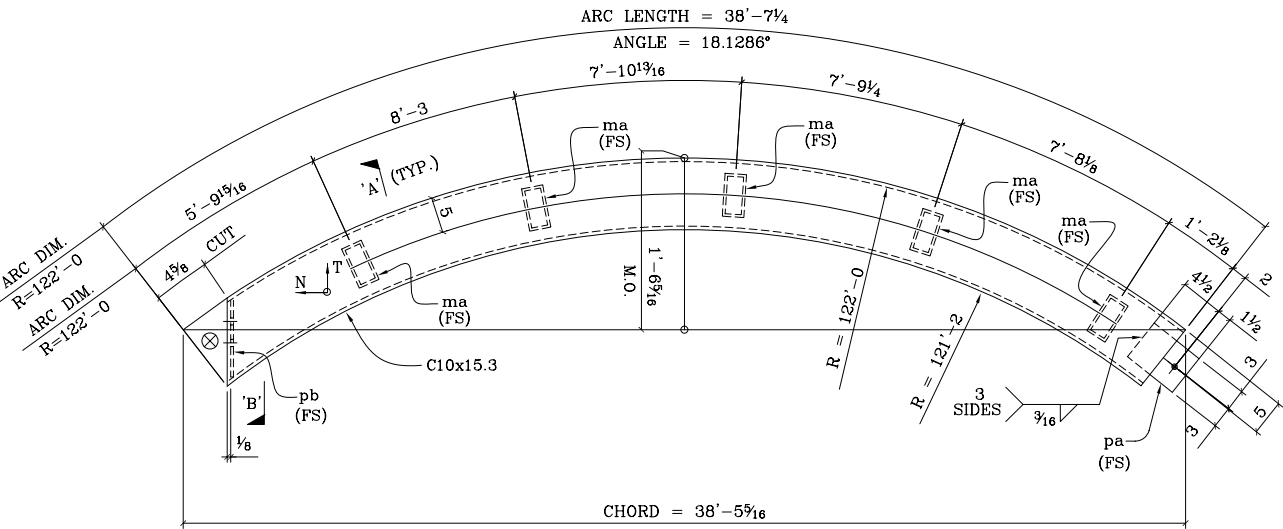
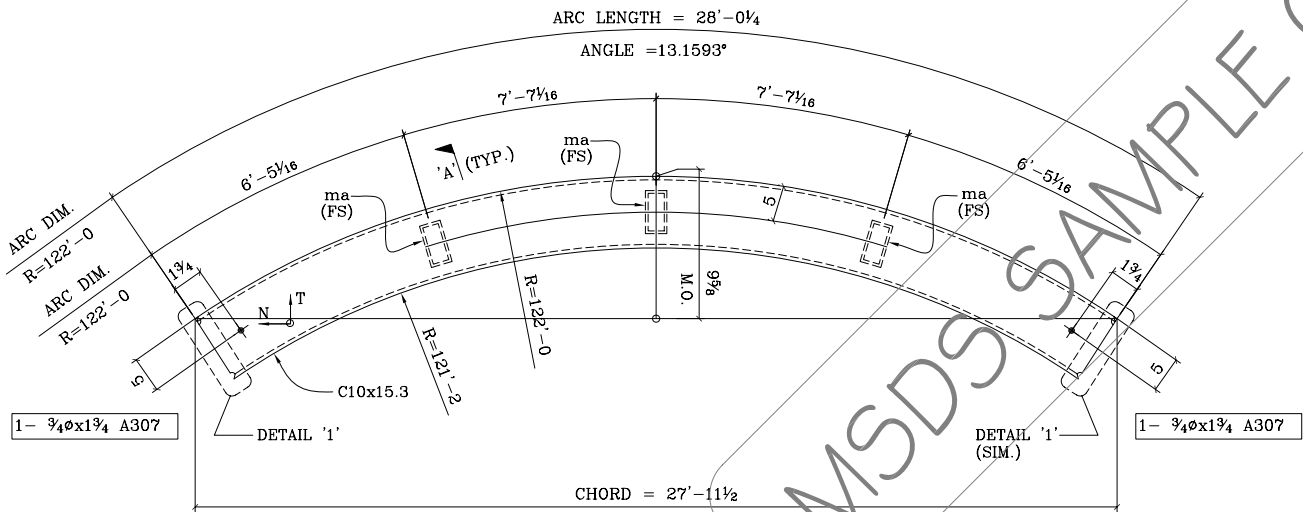
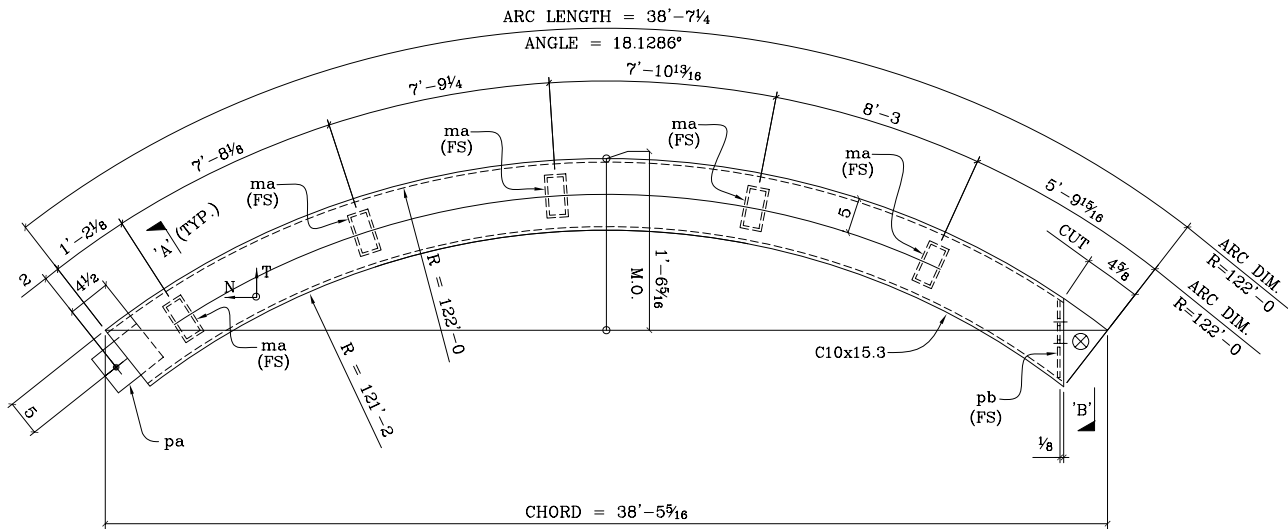




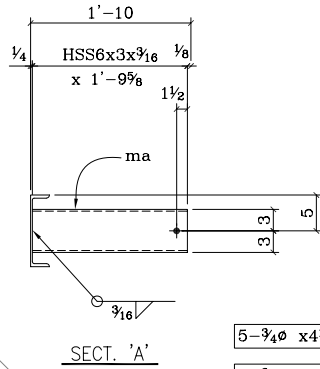
ONE - BEAM - D41A
(GRID.3/C)



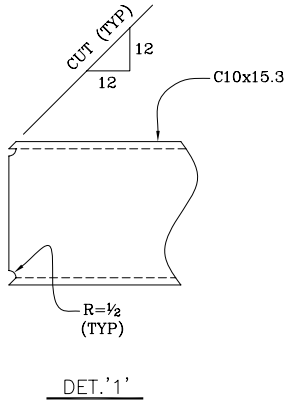
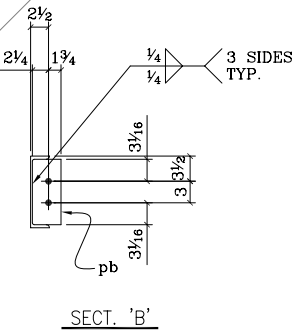
ONE - BEAM - D41B
(GRID.2/BET.F-G)



ONE - BEAM - D41C
(GRID.5/C)



5-3/4" x 4 1/2" A307 (FOR 41A)
3-3/4" x 4 1/2" A307 (FOR 41B)
5-3/4" x 4 1/2" A307 (FOR 41C)

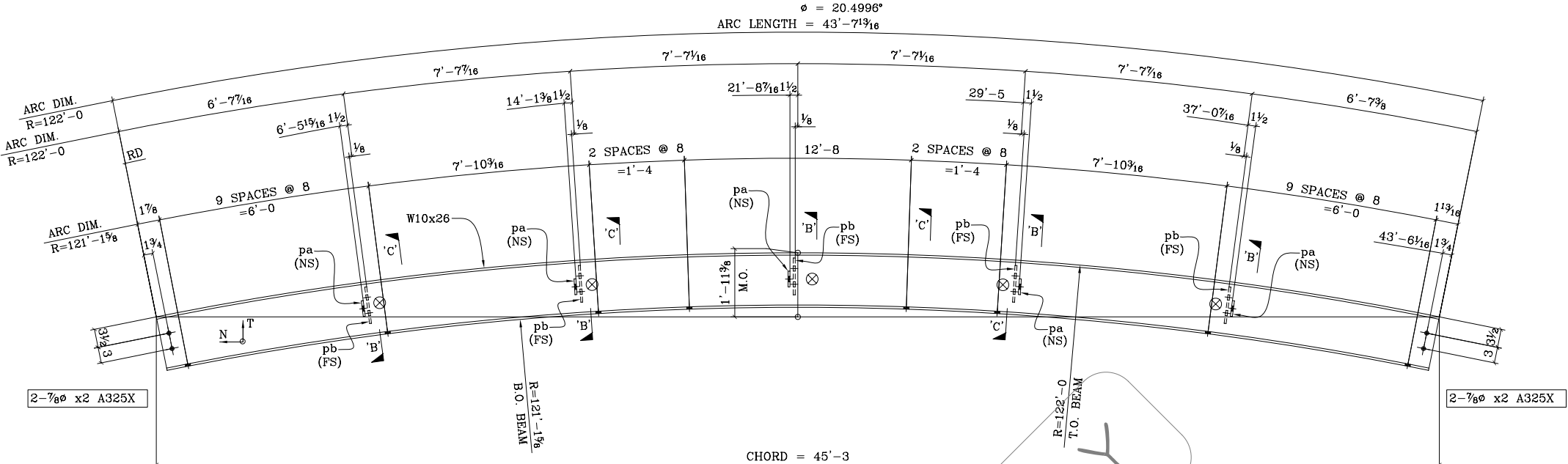


BILL OF MATERIALS

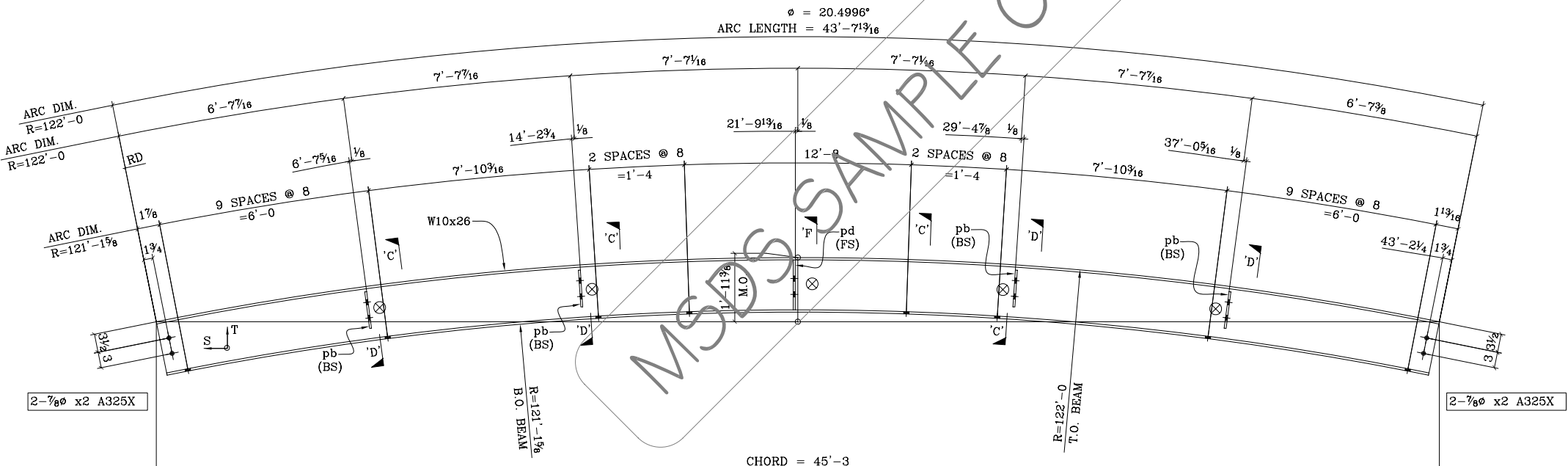
SHIP MK	P.C. MK	QTY.	DESCRIPTION	LENGTH		GRD.	REMARKS
				FT	IN		
D41A		ONE	BEAM				
		1	C10x15.3	38	7 1/4		
		pa	1	FB6 x 3/8	0	6	A36
		ma	5	HSS6x3x3/16	1	9 5/8	
		pb	1	FB 4 x 3/8	0	9 5/8	A36
D41B		ONE	BEAM				
		1	C10x15.3	28	0 1/4		
		ma	3	HSS6x3x3/16	1	9 5/8	
D41C		ONE	BEAM				
		1	C10x15.3	38	7 1/4		
		pa	1	FB6 x 3/8	0	6	A36
		ma	5	HSS6x3x3/16	1	9 5/8	
		pb	1	FB 4 x 3/8	0	9 5/8	A36
FIELD BOLTS							
		2	3/4" BOLTS	0	1 1/4	A307	
		13	3/4" BOLTS	0	4 1/2	A307	

STRUCTURAL STEEL
1, STRUCTURAL STEEL SHAPES, PLATES & BARS SHALL CONFORM TO ASTM A572, 50 ksi OR ASTM A992 DUAL, GRADE 50.
2, STRUCTURAL STEEL TUBES SHALL CONFORM TO ASTM A500 GRADE B; MIN. YIELD STRESS = 46 ksi
3, HIGH STRENGTH BOLTS SHALL BE A325 SLIP CRITICAL.
4, PRIME PAINT ALL STEEL MEMBERS WITH RUST INHIBITIVE PRIMER (2 COATS) AND TOUCH UP AFTER ERECTION AS REQUIRED.
5, HOLES THRU MEMBERS FOR ATTACHING BOLTS SHALL BE THE BOLT DIAMETER PLUS 1/16" MAXIMUM.
6, MACHINE BOLTS (M. BOLTS) WHERE DETAILED SHALL CONFORM TO ASTM A307.

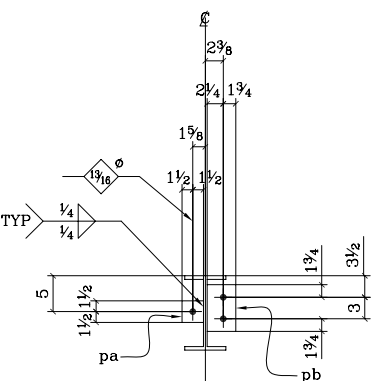
OPEN HOLE 13/16" UNO			R E V.			
FINISH						
						
					FOR APPROVAL	12/07/05
PRINT RECORD						
	NO.	Date				
APPROVAL						
RESUBMIT			PROJECT: UNION CITY GYMNASIUM 34009 ALVARADO—NILES ROAD—UNION CITY, CA 94587			
SHOP			TITLE BEAM DETAILS G. C. ZOLMAN CONSTRUCTION			
ERECTOR			DATE 10/04/05	DWN BY JTS CHKD BY CM	JOB NO. 278	DWG NO. D41 



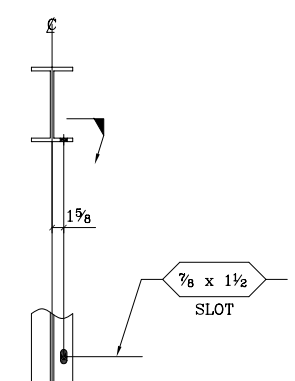
ONE - BEAM ~ D45A



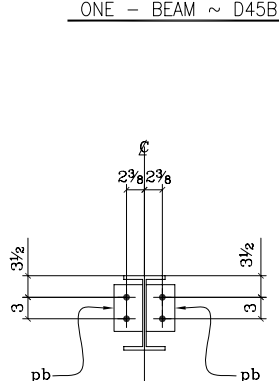
ONE - BEAM ~ D45B



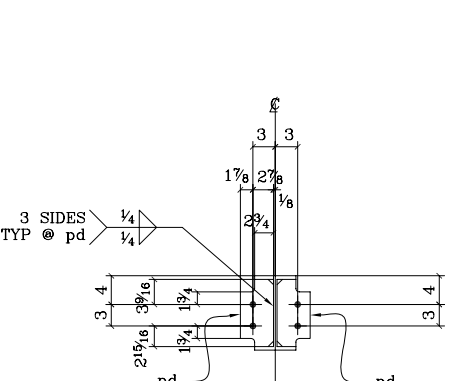
SECT. 'B'



SECT. 'C'



SECT. 'D'



SECT. 'F'

BILL OF MATERIALS

SHIP MK	P.C. MK	QTY.	DESCRIPTION	LENGTH		GRD.	REMARKS
				FT	IN		
D45A		ONE	BEAM				
		1	W10x26	43	7 13/16		
	pa	5	FB 3 x 3/8	0	3	A36	
	pb	5	FB 4 x 3/8	0	6 1/2	A36	
D45B		ONE	BEAM				
		1	W10x26	43	7 13/16		
	pb	8	FB 4 x 3/8	0	6 1/2	A36	
	pd	2	PL 3/8 x 4 3/4	0	9 1/2	A36	
		8	FIELD BOLT				
			7/8" BOLT	0	2	A325X	

SHOP NOTES :
1. ⊗ - INDICATES POSITION OF INCOMING PART

STRUCTURAL STEEL
1. STRUCTURAL STEEL SHAPES, PLATES & BARS SHALL CONFORM TO ASTM A572, 50 ksi OR ASTM A992 DUAL, GRADE 50.
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6. MACHINE BOLTS (M. BOLTS) WHERE DETAILED SHALL CONFORM TO ASTM A307.

OPEN HOLE 15/16 UNO		R E V.	△			
FINISH			△			
			△			
			△	FOR APPROVAL	11/22/05	
PRINT RECORD						
	NO.	Date				
APPROVAL						
RESUBMIT			PROJECT: UNION CITY GYMNASIUM 34009 ALVARADO—NILES ROAD, UNION CITY, CA 94587			
SHOP			TITLE BEAM DETAIL G. C. ZOLMAN CONSTRUCTION			
ERECTOR			DATE 09/16/05	DWN BY AC CHKD BY CM	JOB NO. 278	DWG NO. D45 △