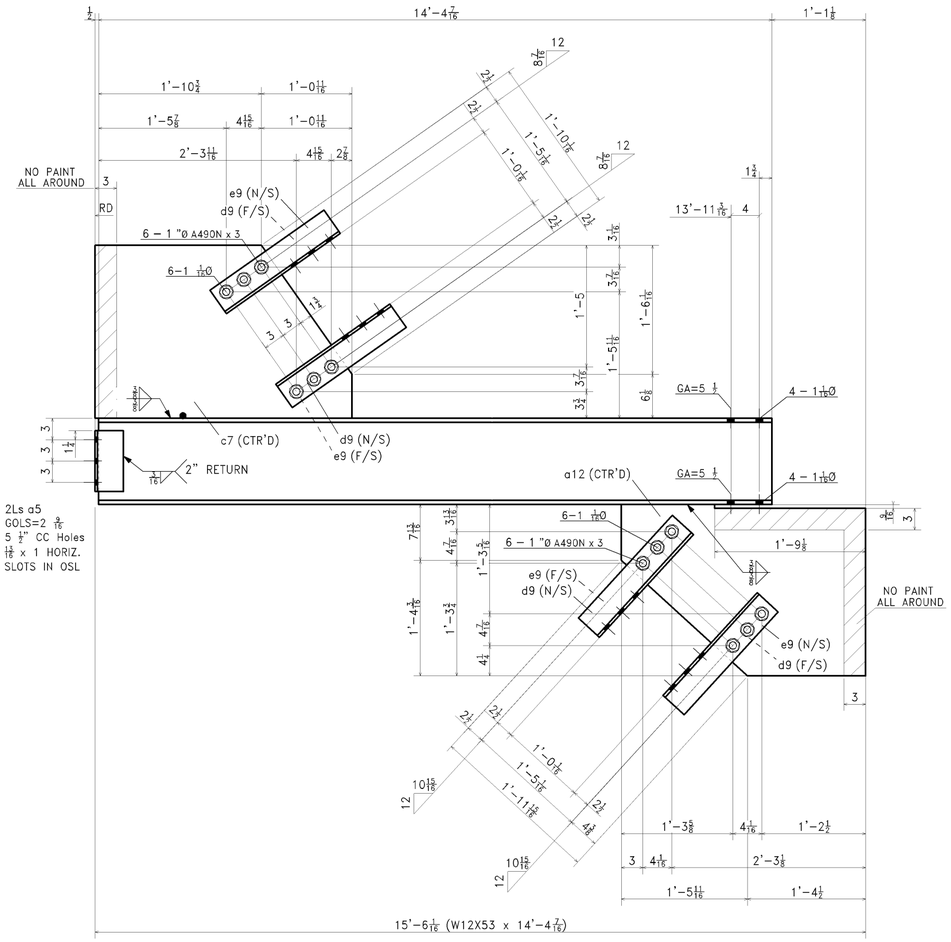
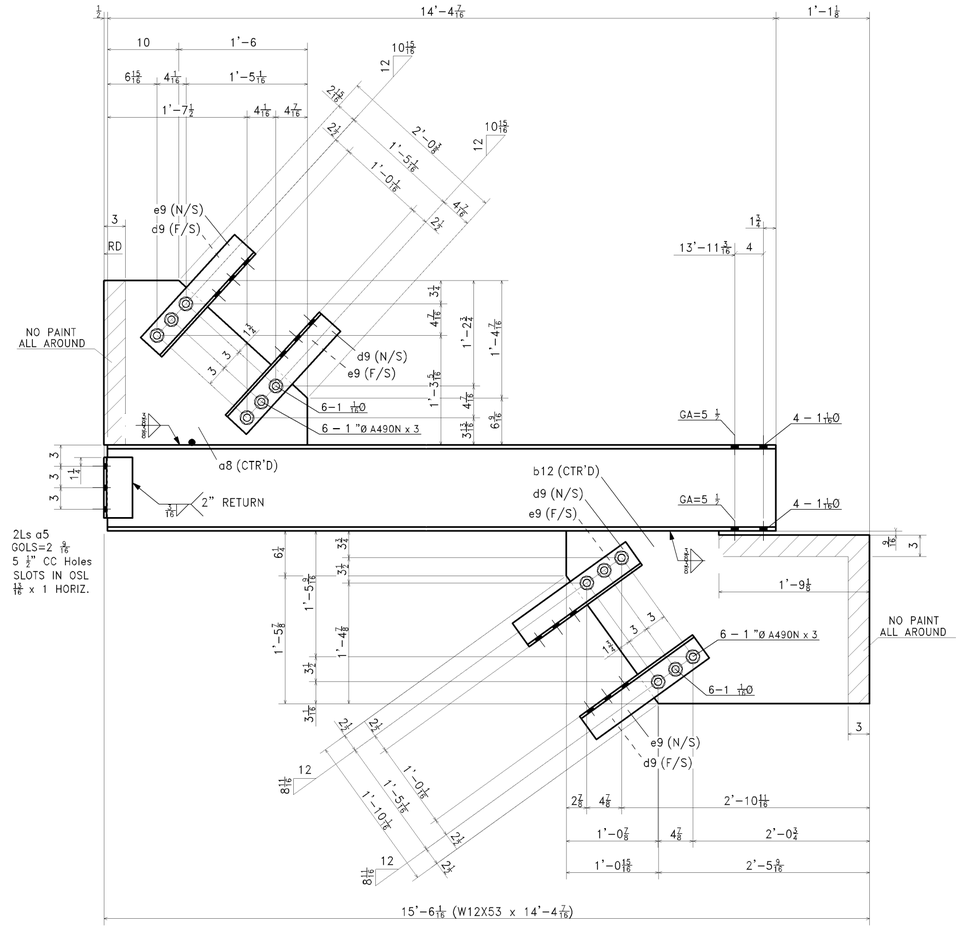
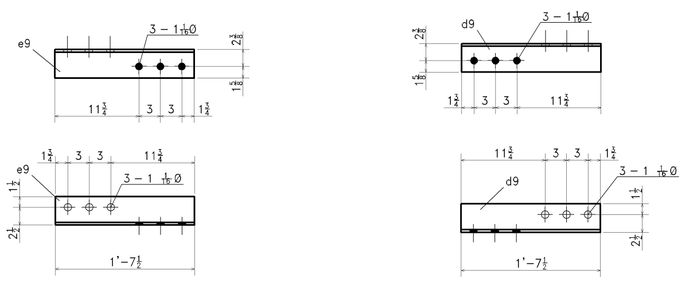


1 ~ BEAM ~ 12B1



1 ~ BEAM ~ 12B2



BILL OF MATERIAL

QUAN	MAINMARK	SUBMARK	MATERIAL	LGTH.	REMARKS	WHT.
1	12B1		W12X53	14'-4 7/16"	A992	762.9
2		a5	L4X4X3/8	0'-8 1/2"	A36	6.9
1		a12	PL3/4X24	2'-10 3/16"	A36	142
1		c7	PL3/4X24 3/16	2'-11 15/16"	A36	161.1
4		d9	L4X4X3/8	1'-7 1/2"	A36	15.8
4		e9	L4X4X3/8	1'-7 1/2"	A36	15.8
1	12B2		W12X53	14'-4 7/16"	A992	762.9
2		a5	L4X4X3/8	0'-8 1/2"	A36	6.9
1		a8	PL3/4X23	2'-4 1/2"	A36	108.2
1		b12	PL3/4X24 1/8	3'-6 7/16"	A36	191.4
4		d9	L4X4X3/8	1'-7 1/2"	A36	15.8
4		e9	L4X4X3/8	1'-7 1/2"	A36	15.8
			FIELD BOLTS			
6	12B1		3/4" DIA. A325N	2 1/2"		
24	12B1		1" DIA. A490N	2 1/2"		
6	12B2		3/4" DIA. A325N	2 1/2"		
24	12B2		1" DIA. A490N	2 1/2"		

ALL BOLTS TO BE GALVANIZED

ALL ROLLED SHAPES TO BE A992

ALL STEEL PAINTED PER SPECS

GENERAL NOTES:

MAT'L - ASTM A36 U.N.O.
TUBING - ASTM A500, GR. B
PIPE - ASTM A53, GR. B
BOLTS - 3/4" DIA. A-325 U.N.O.
HOLES - 13/16" DIA. U.N.O.
WELD - E70XX ELECTRODES (LOW HYDROGEN FOR GRADE 50 STEEL)
SURFACE PREP - PER SPECS

TOLERANCES AS NOTED UNLESS OTHERWISE SPECIFIED

FRACTIONAL ± 1/64			
.0	±.050"	.0	±1.27mm
.00	±.015"	.00	±.381mm
.000	±.005"	.000	±.127mm

ANGLES ± 1/2°

BREAK ALL SHARP CORNERS

☐ STRESS RELIEVE
☐ STRAIGHTNESS
☐ ROUNDNESS

REV.	DATE	DESCRIPTION	BY
0	12-30-04	PER APPROVAL & CHECKING	JBL

SmitHahn Company
836 E. NORTH STREET
P.O. BOX 679
BETHLEHEM, PA 18016
Office: 610/866-4461 Fax: 610/867-5246

DESCRIPTION: PREHEATER TOWER MODIFICATIONS
STEEL ARRANGEMENT DRAWING, SECTIONS AND DETAILS

DRAWN BY: J.B.LONG-HM 04-70	JOB No.: 04897	ACCT. NAME: POLYSIUS/ESSROC CEM.	
DATE: 12-9-04			
CHK'D BY: SES	DWG No.: 12		
DATE: 12-30-04			
APPR'D BY: --			
DATE: --	SHEET No.: of . SHEETS	REVISION: 0	
SCALE: --			