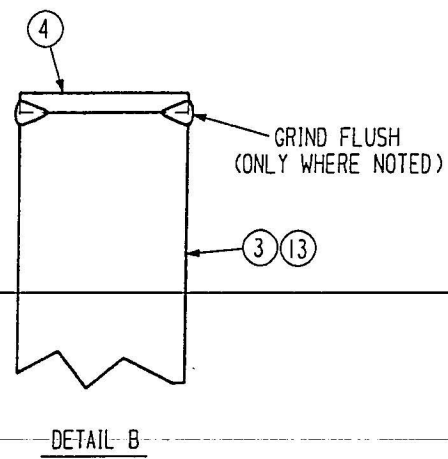


VIEW C-C
(FROM DWG #6)



NOTES:

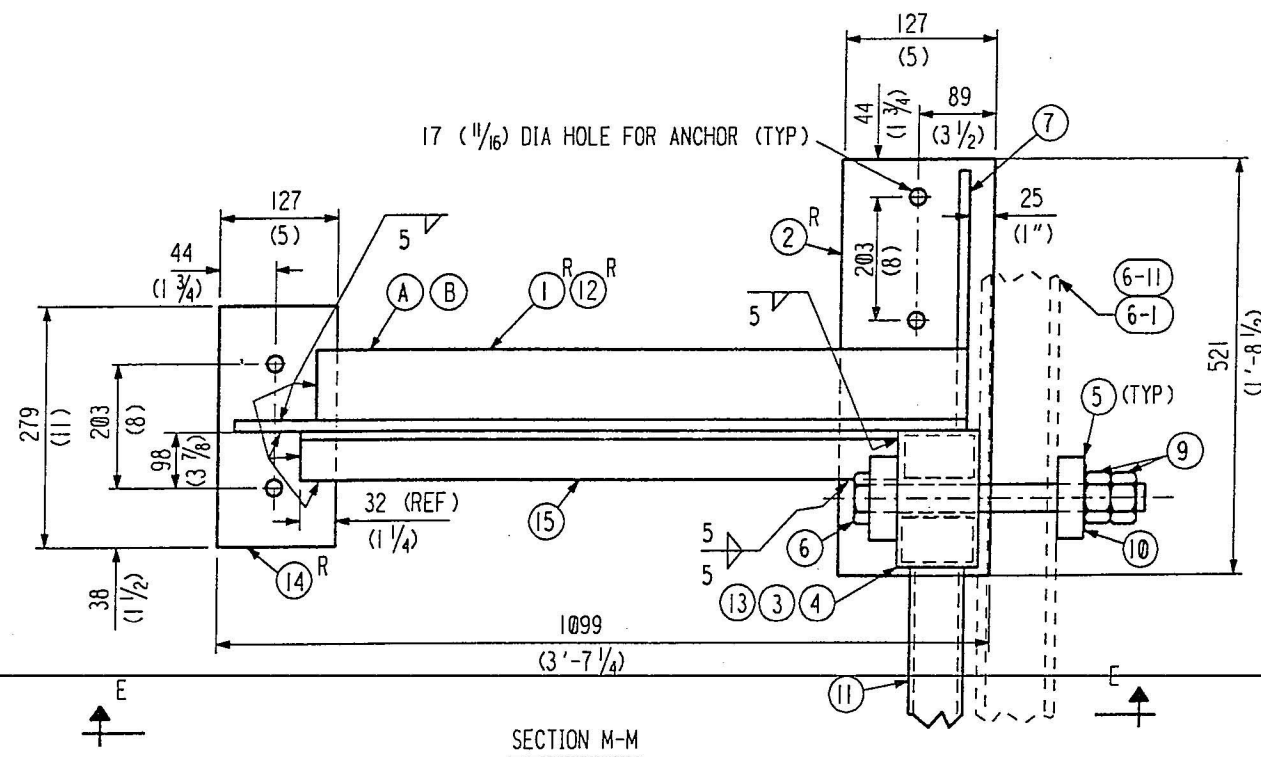
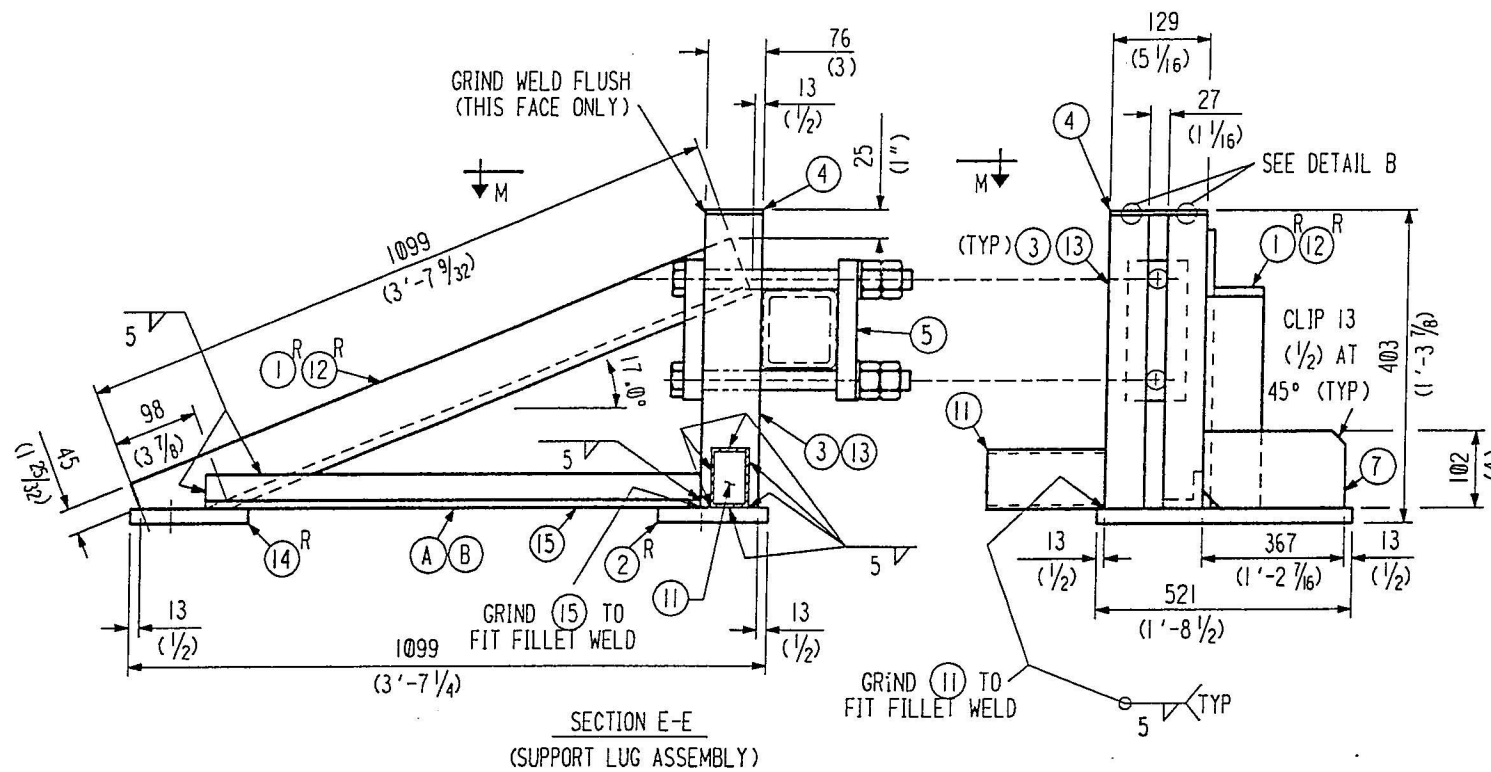
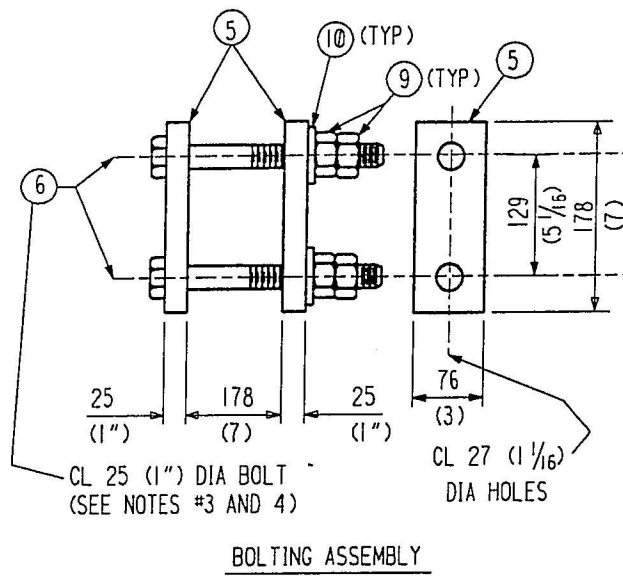
1. WORK THIS DWG. WITH DWG. #6 AND 7.
2. BILLED FOR ONE (1) FIXED SUPPORT. TOTAL OF (16) FIXED SUPPORTS NEAR TERM. AND (376) FIXED SUPPORTS AWAY FROM TERMINATION REQUIRED.
3. LUBRICATE BOLT THREADS AND BEARING SURFACE OF NUTS WITH LOCTITE NICKEL ANTI-SEIZE 771.
4. TIGHTEN BOLTS USING TURN OF THE NUT METHOD (2/3 TURN) PER RCSC SPEC. FOR STRUCTURAL JOINTS (11/13/85) IN AISC. SNUG TIGHTEN ALL BOLTS IN A SYSTEMATIC MANNER AS NECESSARY UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT. SNUG TIGHT IS DEFINED AS A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. AFTER ALL BOLTS ARE SNUG, THE BOLTS SHALL BE TIGHTENED USING AN ADDITIONAL 2/3 OF A TURN PAST SNUG.
5. PROVIDE TUBULAR MEMBERS (THAT ARE CLOSED ON THE ENDS) WITH 6 (1/4) DIA. HOLES OR 13 (1/2) DIA. RATHOLES ON ANY TWO OPPOSITE SIDES AT TUBE ENDS AS REQUIRED FOR GALVANIZING.
6. ANCHOR BOLT LOCATIONS CAN BE MOVED SLIGHTLY IF REQUIRED TO MISS SLAB REINFORCING STEEL. THE MINIMUM DISTANCE FROM THE CENTERLINE OF THE BOLT TO ANY BASE PLATE EDGE IS 32 (1 1/4). THE MINIMUM SPACING BETWEEN ANCHOR BOLTS IS 152 (6). HOLES OR ANCHORS NOT USED MUST BE AT LEAST 48 (1 7/8) AWAY FROM ANY ACTIVE ANCHOR BOLT, CENTERLINE TO CENTERLINE. IF POSSIBLE, GROUT OR EPOXY ALL HOLES WHICH ARE DRILLED BUT NOT USED.

INDICATES CHANGE FROM PREVIOUS ISSUE

SHP PC	MARK	ASSM PC	DESCRIPTION	LENGTH MM	SPEC	D
1	8-A		FIXED SUPPORT LUG (AWAY FROM TERM.)		M4	
	8-1 R/L	2	L 76 X 76 X 5 X 5K (3 X 3 X 3/16 X 3'-7 9/32)	1099	A36	C
	8-2 R/L	2	BAR 127 X 13 (5 X 1/2 X 1'-8 1/2 LONG) W/ HOLES	521	A36	C
	8-3	4	TUBE 76 X 50 X 5 (3 X 2 X 3/16 X 1'-3 1/8)	384	*	C
	8-4	2	PL 76 X 6 (3 X 1/4 X 5 1/16)	129	A36	C
	8-7	2	PL SK X 13 (1/2)		A36	C
	8-11	1	TUBE 76 X 50 X 5 (3 X 2 X 3/16 X 2'-2 15/16)	684	*	C
	8-14 R/L	2	BAR 127 X 13 (5 X 1/2) W/ HOLES	279 (11)	A36	C
	8-15	2	L 51 X 51 X 6 (2 X 2 X 1/4 X 3'-0)	914	A36	C
1	8-B		FIXED SUPPORT LUG (NEAR TERMINATION)		M4	
	8-2 R/L	2	BAR 127 X 13 (5 X 1/2 X 1'-8 1/2 LONG) W/ HOLES	521	A36	C
	8-4	2	PL 76 X 6 (3 X 1/4) (5 1/16)	129	A36	C
	8-7	2	PL SK X 13 (1/2)		A36	C
	8-11	1	TUBE 76 X 50 X 5 (3 X 2 X 3/16 X 2'-2 15/16)	684	*	C
	8-12 R/L	2	L 76 X 76 X 7 X 5K (3 X 3 X 1/4 X 3'-7 9/32)	1099	A36	C
	8-13	4	TUBE 76 X 50 X 7 (3 X 2 X 1/4 X 1'-3 1/8)	384	*	C
	8-14 R/L	2	BAR 127 X 13 (5 X 1/2) W/ HOLES	279 (11)	A36	C
	8-15	2	L 51 X 51 X 6 (2 X 2 X 1/4 X 3'-0)	914	A36	C
4	8-5		PL 76 X 25 THK (3 X 1) W/HOLES	178 (7)	A36	C
4	8-6		BOLT 25 (1") DIA HVY HEX THREAD LENGTH = 127 (5)	292 (11 1/2)	***	Ac
8	8-8		EXPANSION ANCHORS 15 (5/8) DIA HILTI KB II 58-6 W/ 102 (4) EMBEDMENT DEPTH OR EQ.	152 (6)	CS ZINC- PLATED	C
8	8-9		NUT 25 (1") DIA HVY HEX		**	Ac
4	8-10		WASHER 25 (1") DIA		F436	Ac
			* = A500 GR.B			
			** = A563 - C3 OR DH3 (NOT GALV.)			
			*** = A325 TYPE 3 (NOT GALV.)			
			M4 = SEE SPEC C-SUPT-1			

APPROVED	
<i>M. Tellalian</i>	4-23-97
CBI	DATE
<i>J. Jones</i>	7/24/97
CALTECH	DATE

CBI		SUPPLIER'S / PURCHASER'S NO	
LIGO BEAM TUBE			
HANFORD, WA AND LIVINGSTON, LA			
BEAM TUBE FIXED SUPPORT			
SUPPORT LUG ASS'Y & SECTION DETAILS			
CUSTOMER'S NO		CONTRACT NO	
BY WAW CHKD DET DATE 3-8-94		953571	
ML. TELLALIAN		DWG 8	
ENGINEERING ASSIGNED		SHT 1	
		REV 10	
LIGO-D950037-10-B			



APPROVED	
<i>M. Tellalian</i>	4-23-97
CBI	DATE
<i>J. Jones</i>	7/24/97
CALTECH	DATE

SUPPLIER'S / PURCHASER'S NO CBI	
LIGO BEAM TUBE HANFORD, WA AND LIVINGSTON, LA BEAM TUBE FIXED SUPPORT SUPPORT LUG ASS'Y & SECTION DETAILS	
CUSTOMER'S NO BY WAW-CHKD DET DATE 3-8-94 M.L. TELLALIAN ENGINEERING ASSIGNED	CONTRACT NO 953571 DWG 8 SHT 2 REV 10
LIGO-D950037-10-B	

55710208.DGN

INDICATES CHANGE FROM PREVIOUS ISSUE