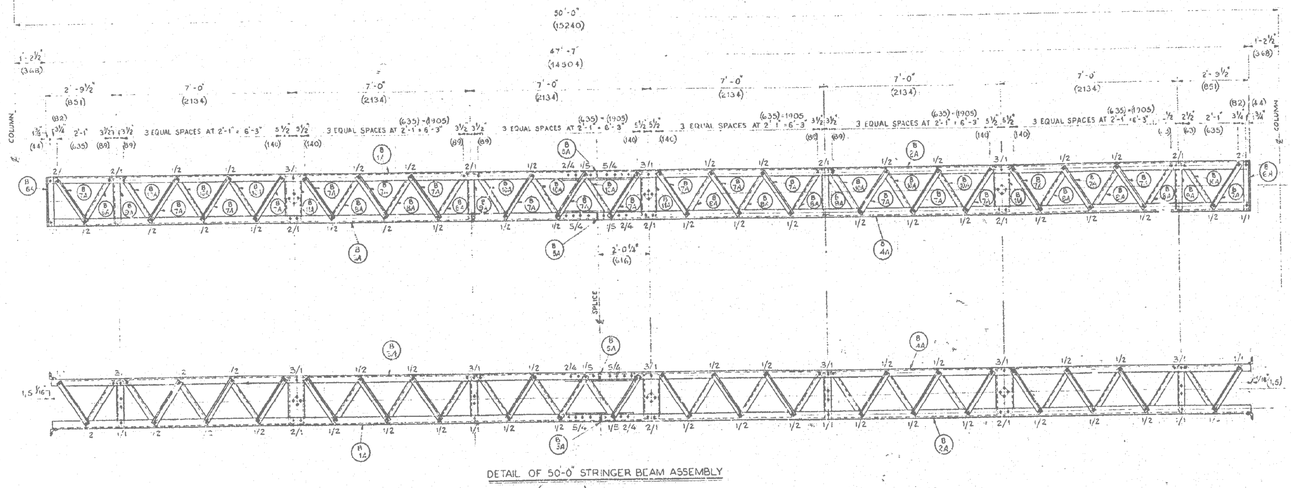
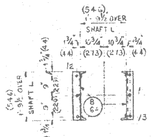
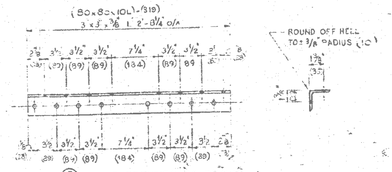
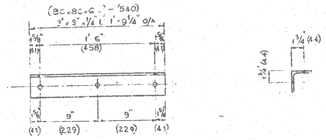


DETAIL OF 50-0" STRINGER BEAM ASSEMBLY
(15240)

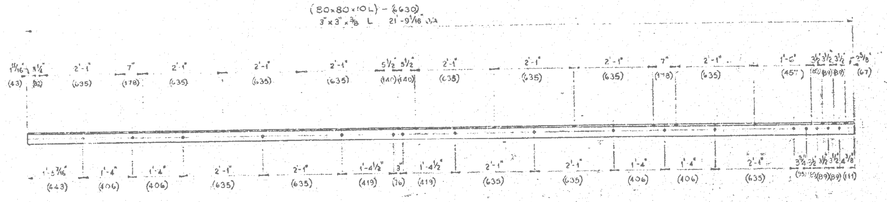




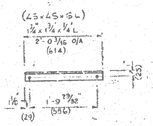
ITEM (B/2) 4 OFF REQUIRED AS DRAWN



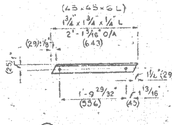
ITEM (B/4A) 4 OFF REQUIRED AS DRAWN



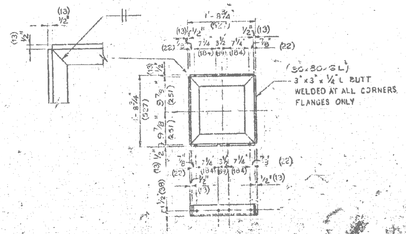
ITEM (B/1A) 2 OFF REQUIRED AS DRAWN



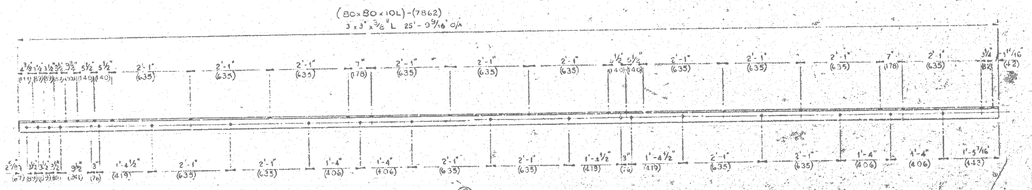
ITEM (B/1A) 80 OFF REQUIRED AS DRAWN



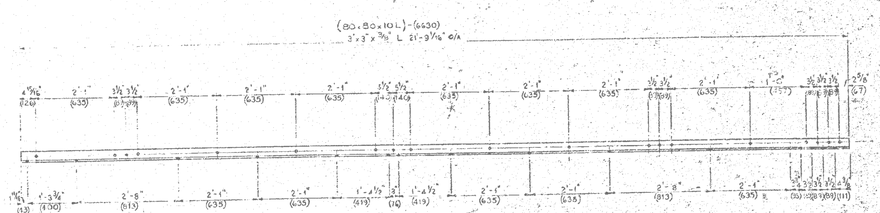
ITEM (B/3A) 40 OFF REQUIRED AS DRAWN
ITEM (B/3A) 36 OFF REQUIRED TO OPPOSIT HAND



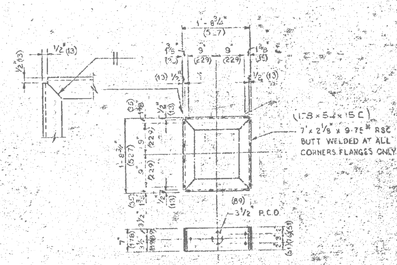
ITEM (B/5A) 4 OFF REQUIRED AS DRAWN



ITEM (B/1A) 2 OFF REQUIRED AS DRAWN

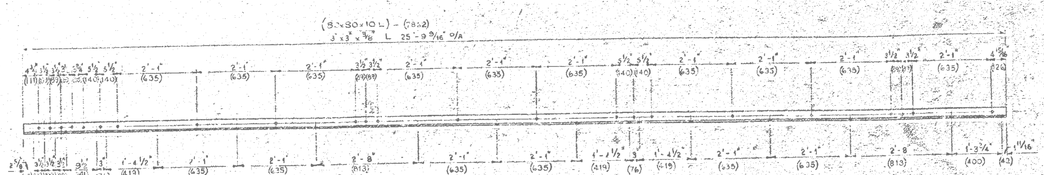


ITEM (B/2A) 2 OFF REQUIRED AS DRAWN

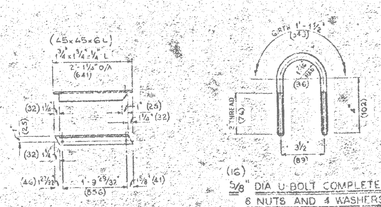


ALL ELEVATIONS THUS

ITEM (B/5A) 3 OFF REQUIRED AS DRAWN



ITEM (B/3A) 2 OFF REQUIRED AS DRAWN



ITEM (B/5A) 4 OFF REQUIRED AS DRAWN

5/8 DIA U-BOLT COMPLETE WITH 8 NUTS AND 4 WASHERS

NOTES:

1. QUANTITIES SHOWN ARE FOR ONE BEAM ONLY
2. ALL STEELWORK TO BE HOT DIP GALVANIZED TO S.A.B.S. 763.
3. FABRICATION TOLERANCE TO BE +0R - 2 mm.
4. ALL HOLES TO BE 18 DIAMETER UNLESS OTHERWISE STATED.
5. THE CONTRACTOR SHALL SUPPLY ALL NUTS, BOLTS, WASHERS ETC REQUIRED FOR ERECTION.
6. ALL WELDING SHALL CONFORM TO B.S. 5135 AND WELD SYMBOLS TO S.A.B.S. 044
7. ALL PORTIONS OF WELDED JOINTS, NOT SEALED BY STRUCTURAL WELD, SHALL BE SEAL WELDED.
8. ALL MARKS TO BE STAMPED ONTO STEELWORK AND SHALL BE CLEARLY LEGIBLE AFTER GALVANIZING
9. ALL MARKS TO BE PREFIXED "7"
10. DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETRES.
11. H.T. BOLTS (GRADE 8.8) TIGHTENING TORQUE M.16 - 165 Nm.

	BEAM	U BOLT
MASS OF STEELWORK (BOLTS EXCLUDED)	1300 Kg	—
MASS OF U BOLT WITH NUTS AND WASHERS	—	0.9 Kg EACH
MASS OF GRADE 4.6 BOLTS INCLUDING NUT & WASHER	35 Kg	—
Nº OFF GRADE 8.8 BOLTS	64	—

BOLT SCHEDULE

MK	STRENGTH TYPE	STRENGTH LENGTH	GRADE 4.6 Nº OFF	GRADE 8.8 Nº OFF
1	M16	40	132	—
2	M16	45	122	—
3	M16	50	2	—
4	M16	45	—	56
5	M16	55	—	8

NOTES ON BOLTS:
1. BOLTS TO BE SUPPLIED WITH ONE NUT AND WASHER.
2. BOLTS ERECTED WITH HEAD TO INSIDE PREFERRED.
3. WASHER TO BE PLACED UNDER NUT.
4. ALL BOLTS TO BE GALVANIZED.
5. BOLTS POSITIONS INDICATED THUS: Nº OFF/MARK @ S/S
6. GRADE 8.8 BOLTS TO BE SUPPLIED WITH THREAD LENGTH OF 1.5 D/A.
7. FOR GRADE 8.8 BOLT TORQUE SEE NOTE 11.8

1				ERRORS IN BOLT SCHEDULE, NOTES AND NOTES ON BOLTS							
				4-6 MILLIMETRES ADDED							