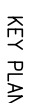
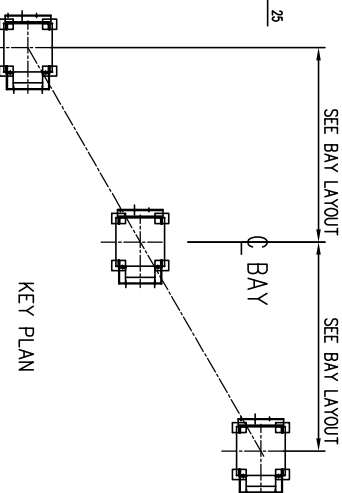
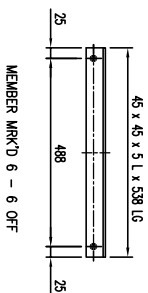
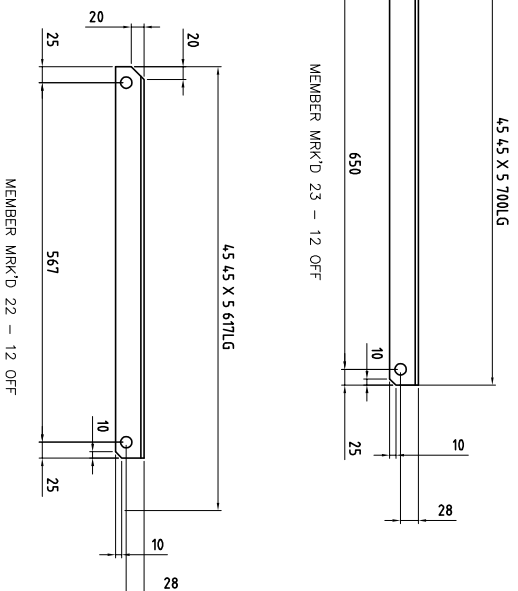
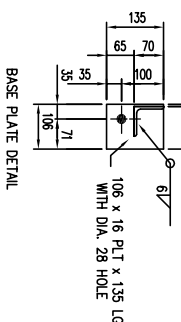
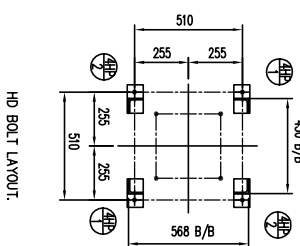
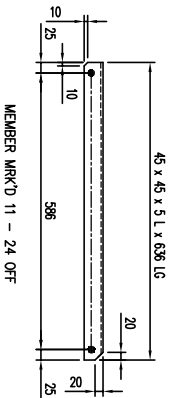


BOLT SCHEDULE - GRADE 4.8				
MARK	TYPE	LENGTH	No OFF	WASHE
1	M 16	35	108	FLAT
2	M 16	40	36	FLAT
3	M 16	45	18	FLAT

MASS - kg (3 SUPPORTS)		
STRUCTURE	BOLTS	TOTAL
689	23	712



1. ALL WELDING TO CONFORM TO SANS 10044.
2. ALL WELDS TO BE ERM AND TO BE SEAL WELDED.
3. STEELWORK/BOLTS TO BE HOT DIP GALVANISED TO SANS 1217.
4. ALL PARTS TO BE CLEARLY STAMPED BEFORE GALVANISING.
5. ALL HOLES 18 DIA UNLESS OTHERWISE STATED.
6. ALL STEELWORK TO BE FABRICATED, ERECTED & LEVELLED.
7. TO A TOLERANCE OF ± 15 mm.
7. ALL BOLTS SECURING EQUIPMENT TO THIS STRUCTURE, TO BE SUPPLIED BY EQUIPMENT CONTRACTOR.
8. ALL STEEL TO BE GRADE 300W.

ALSTOM

T & D HIGH VOLTAGE EQUIPMENT

		1 & 2 HIGH VOLTAGE EQUIPMENT	
TITLE		400KV PANTOGRAPH STRUCTURE 3224 HIGH	
DATE	SCALE	DRAWN M.C	REV.
24/01/07	1:6	SAS4242	A3 0
Rev	Date	DESCRIPTION	
		THIS DRAWING IS THE PROPERTY OF ALSTOM - H.V. EQUIPMENT. AND IS LENT UNDER THE JOINT CONSENTATION OF THE TWO COMPANIES. ANY REPRODUCTION OTHER THAN THAT WHICH IS AUTHORIZED BY THE DRAWING OFFICE SHALL NOT BE REPRODUCED DIRECTLY OR INDIRECTLY, NOR USED FOR ANY OTHER PURPOSE, WITHOUT THE APPROVAL OF THE DRAWING OFFICE. DRAWING IS COVERED BY PATENTS.	
		2 MAJNET ROAD KNIGHTS Telephone (011) 820-5356 FAX (011) 823-8047	

THIS DRAWING IS THE PROPERTY OF
ALSTOM - H.V. EQUIPMENT,
AND IS LENT WITHOUT CONSIDERATION
OTHER THAN THE BORROWERS AGREEMENT
THAT IT SHALL NOT BE REPRODUCED,
COPIED, REPRODUCED, OR OTHERWISE
USED FOR ANY PURPOSE OTHER THAN
FOR WHICH IT IS SPECIFICALLY FURNISHED.
THE APPARATUS SHOWN IN THE
DRAWING IS COVERED BY PATENTS.

2 MAJNET ROAD
KNIGHTS
Telephone (011) 820-5356
FAX (011) 823-9047

DATE	SCALE	DRAWN	DRAWING No.
24/01/07	1:6	CHECKED D.T	SAS34242

REV
O