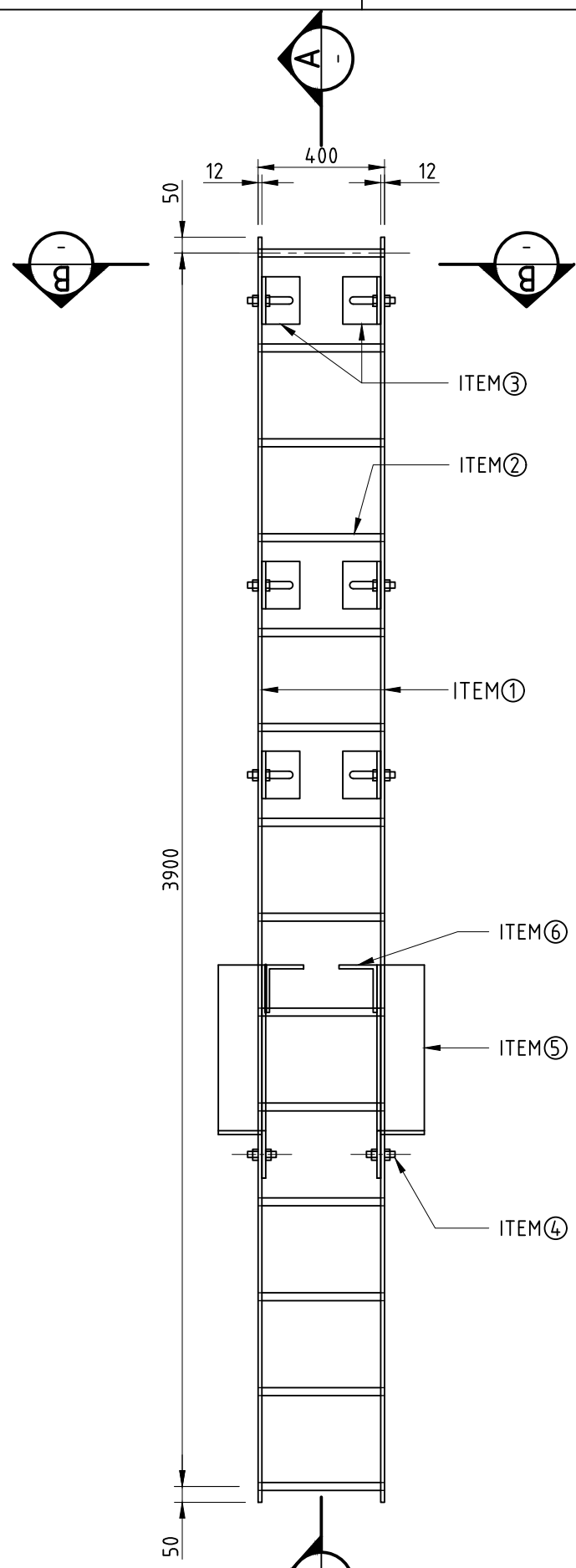
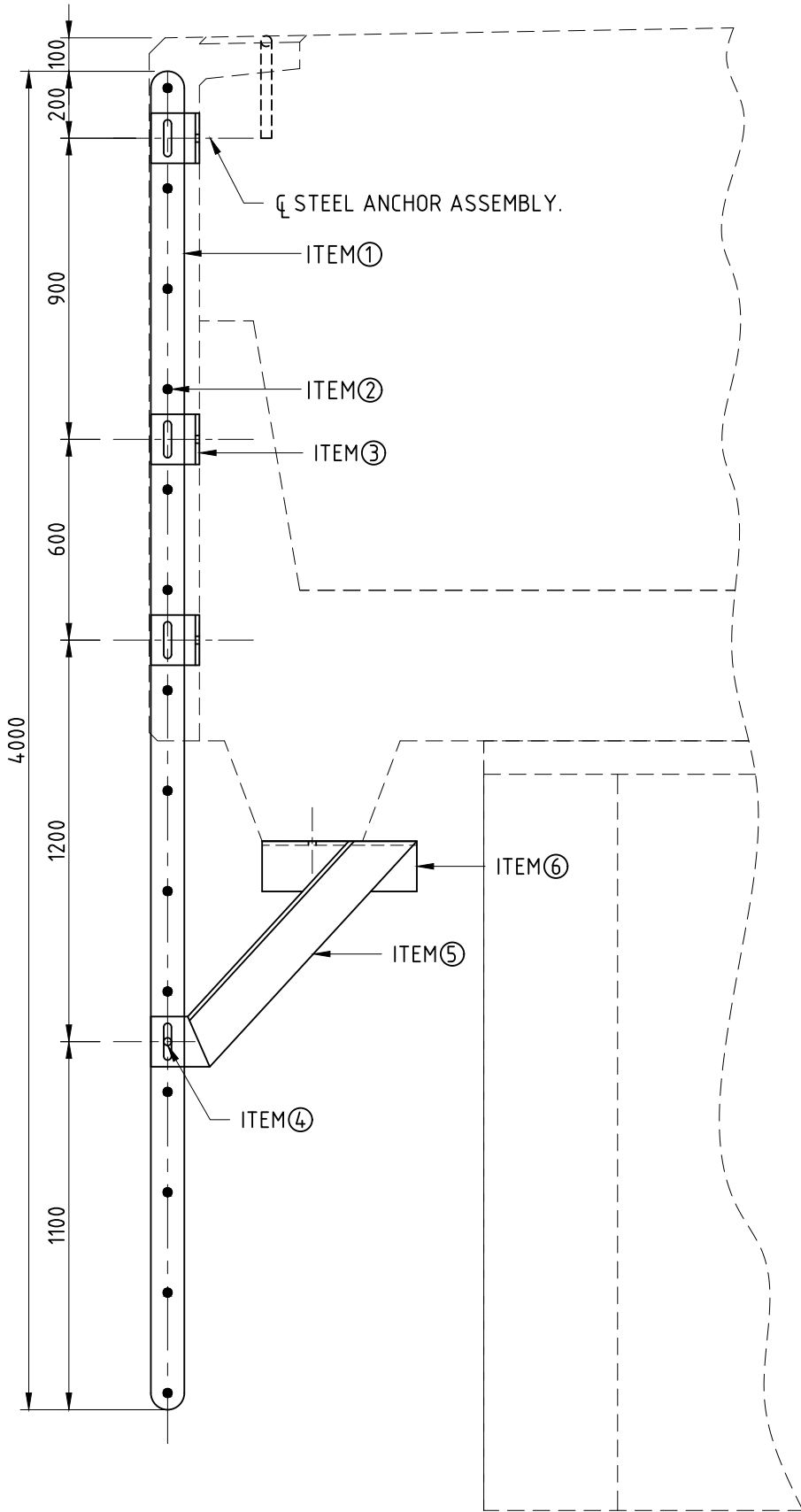


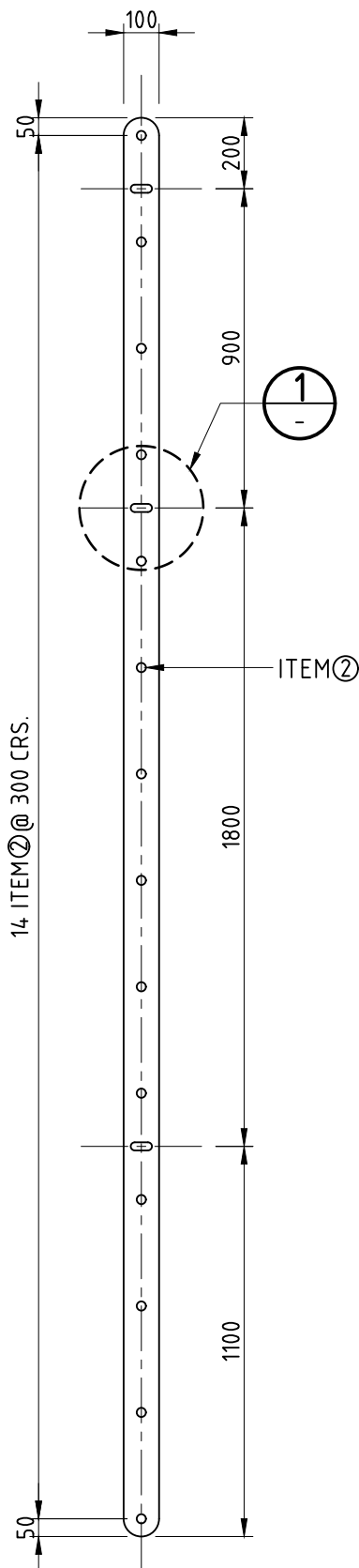
DO NOT SCALE - IF IN DOUBT, ASK



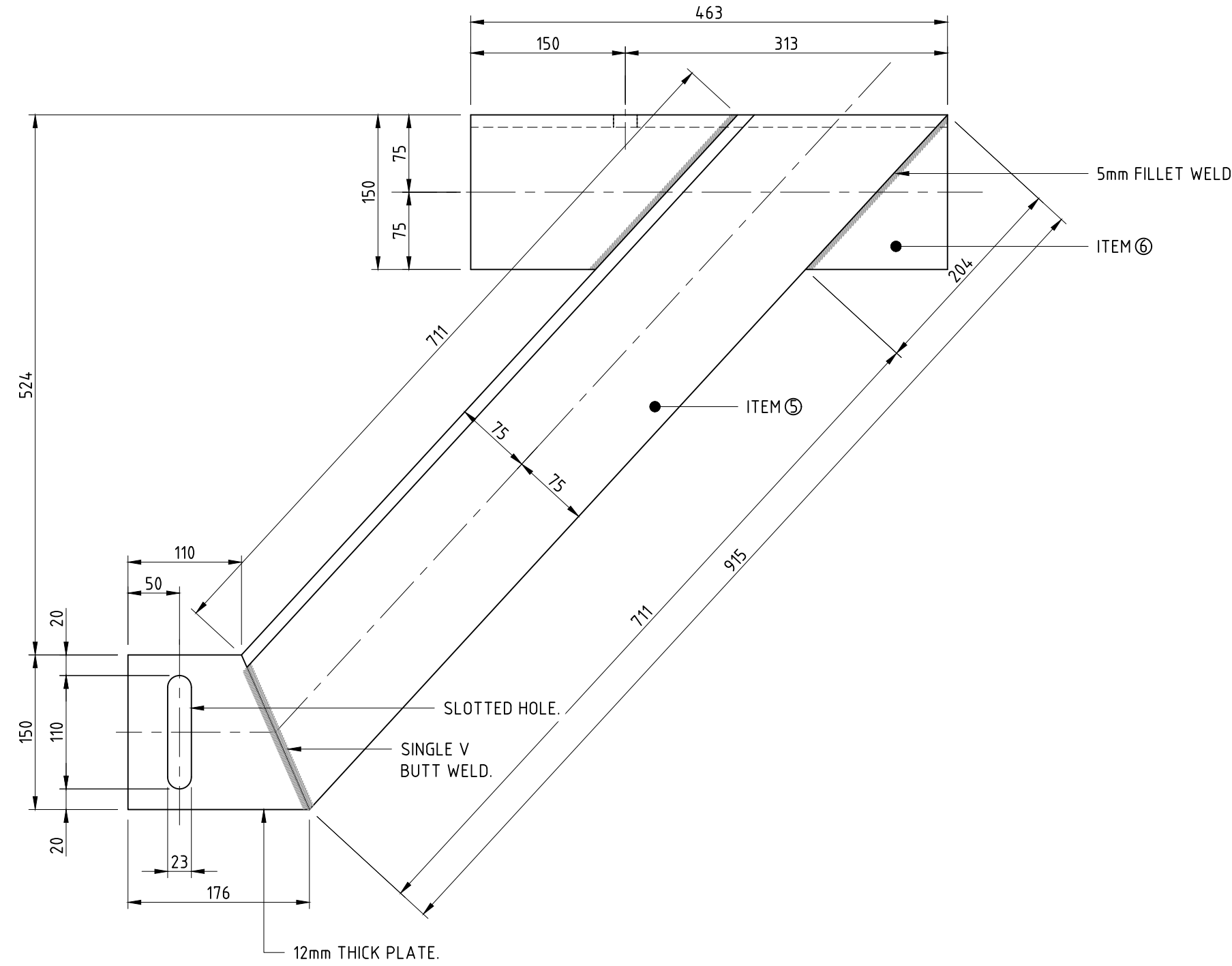
ELEVATION
1:20



SECTION A-A
1:20

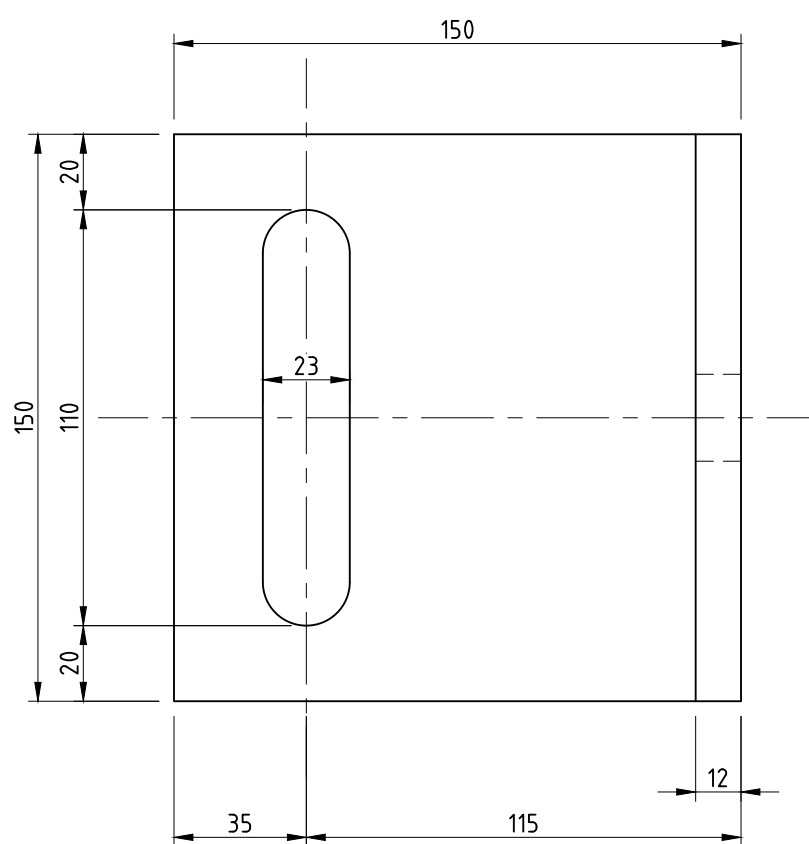


ITEM 1
1:20



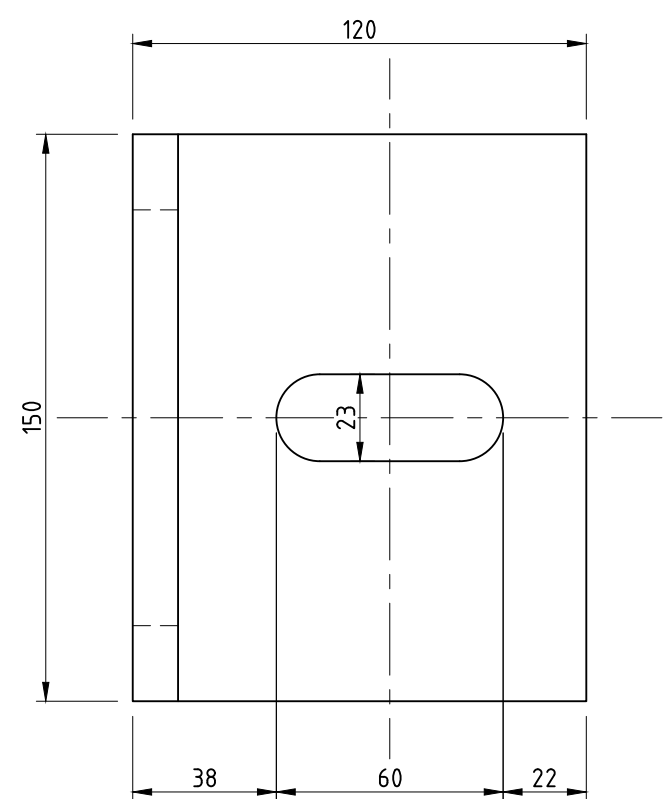
ITEM 5
1:5

SUPPORT BRACKET



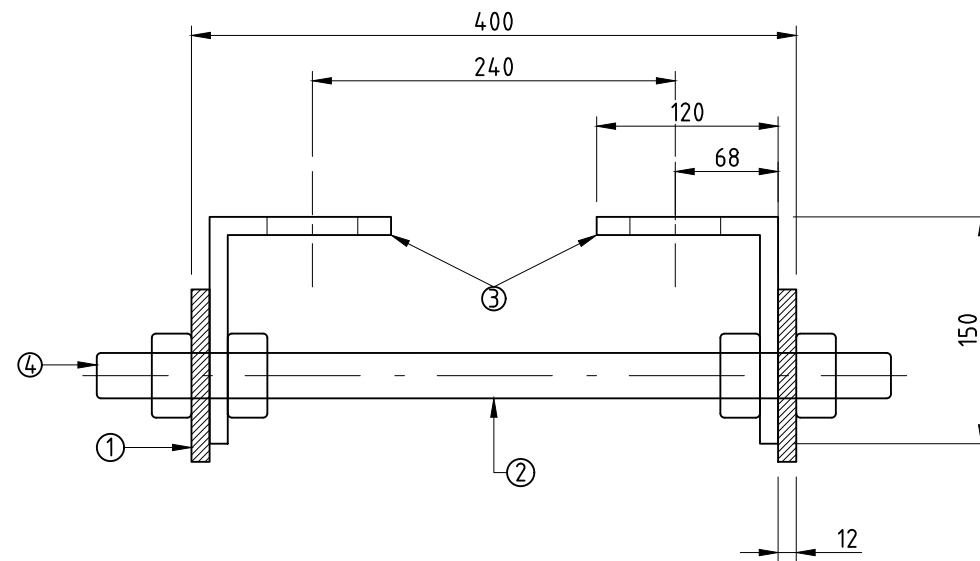
SIDE VIEW

ITEM 3
1:2

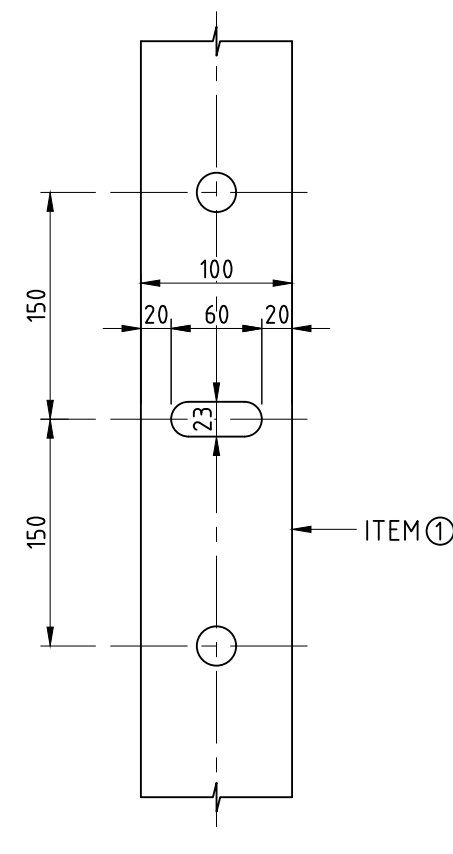


ELEVATION

PLAN



SECTION B-B
1:5



DETAIL 1
1:5

QUANTITIES

ITEM	DESCRIPTION	No OFF	TOTAL
ITEM 1	100x12mm THICK PLATE, 4000mm LONG	2	44
ITEM 2	Ø25mm BAR, 400mm LONG	14	308
ITEM 3	150x120x12mm, 150mm LONG	6	132
ITEM 4	M20 SET SCREW, 50mm LONG WITH 2 WASHERS & 1 NUT	4	88
ITEM 5	150x150x12mm, 915mm LONG	2	44
ITEM 6	150x130x12mm, 463 LONG	2	44

ACCESS LADDERS (22 OFF)

NOTES

- ALL STEEL TO BE STAINLESS STEEL GRADE AISI 316L.
- SET SCREWS, WASHERS AND WASHERS TO BE STAINLESS STEEL GRADE AISI 316L.
- WELDING TO BE COMPLIANT WITH GRADE 316L.

Engineers		EPCM CONSULTANT: TNPA		ORIGINATOR: ZAA		Transnet National Ports Authority			
P O Box 26546 HOUT BAY 7872 Tel: +27(21) 791 9100 E-Mail: zaaepna@zaaepna.com		31 Melkhout Crescent Hout Bay 7806 Fax: +27(21) 790 4470		TITLE NAME SIGNATURE DATE LEAD DES. ENG. AS 19/07/26 ENG. COORD. MC/WvW 19/07/26 ENG. MANAGER AREA MANAGER PROJECT MGR. DIVISION		TITLE NAME SIGNATURE DATE DRAWN AS 19/07/26 CHECKED MC/WvW 19/07/26 ENG. COORD. DISCIP. ENG. ENG. MANAGER AREA MANAGER		237 MAHATMA GANDHI ROAD DURBAN P.O. BOX 31683, DURBAN TEL: 031 361 8852	
1785-CO-110-C-DWG-0003-03 QUAY FURNITURE PHASE 3 (BERTH 203) 1785-CO-110-C-DWG-0002-02 QUAY FURNITURE PHASE 2 (BERTH 204) 1785-CO-110-C-DWG-0002-01 QUAY FURNITURE PHASE 1 (BERTH 205) DRAWING NO. REFERENCE		PROJECT NO DIS CODE AREA DISP TYPE DRG NO SHEET STATUS REV 1 7 8 5 C 0 1 1 0 C DWG 0 0 0 5 0 1 T 0 A		NO. DESCRIPTION BY CHK'D APP'D DATE 1 AS MC JZ 2019.07.26		PR.ENG. / PR.TECH. NAME J. ZIETSMAN DATE 19/07/26 SIGNATURE		PORT OF DURBAN DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING QUAY FURNITURE ACCESS LADDERS MANUFACTURING DETAILS	
REFERENCE DRAWINGS		This Document including all design and information therein is Confidential Intellectual Property of ZAA Engineering Projects and Naval Architecture (Pty) Ltd. Copyright and all other rights are reserved by ZAA. This Document may only be used for its intended purpose.		REVISIONS / ISSUE AUTHORIZATION		REG. NUMBER 760293 SCALE : AS INDICATED		PROJECT NUMBER DIV FBS DIS TYPE DRG NO. SHT. REV. ID 21228301110C-GA1004010A AS	