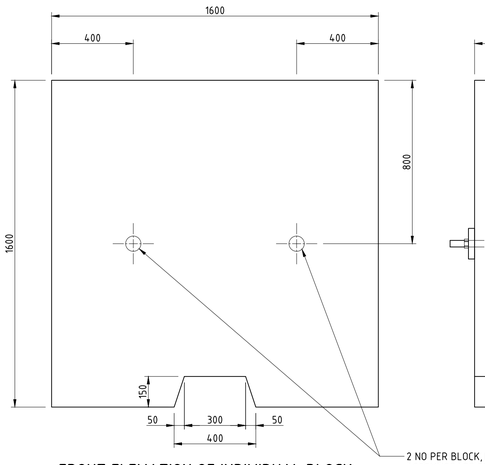
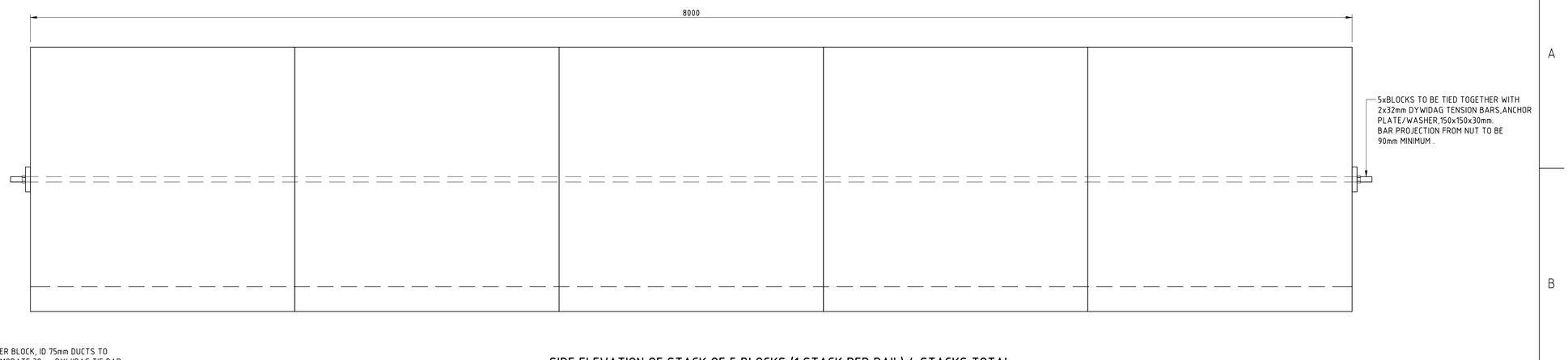
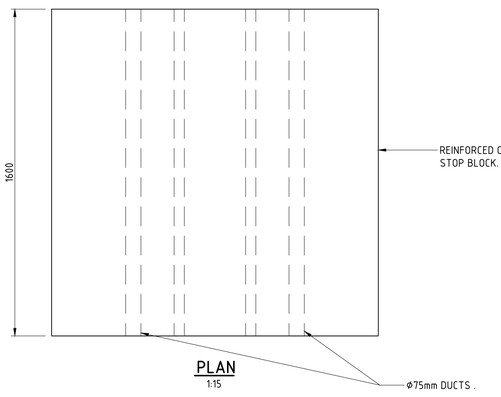
DO NOT SCALE - IF IN DOUBT, ASK



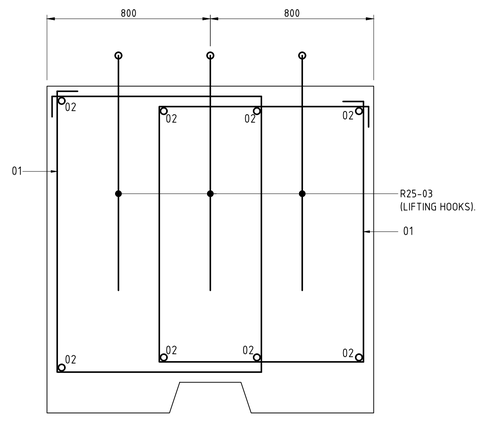
FRONT ELEVATION OF INDIVIDUAL BLOCK
1:15



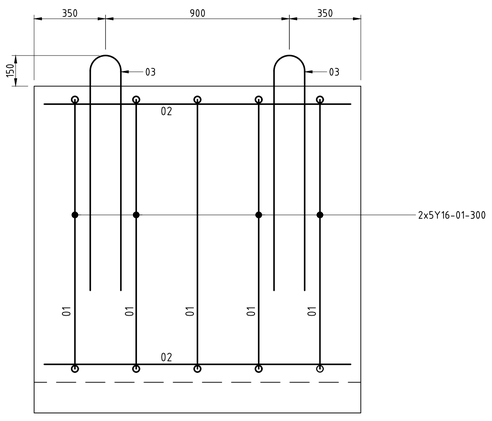
SIDE ELEVATION OF STACK OF 5 BLOCKS (1 STACK PER RAIL) 4 STACKS TOTAL
1:15



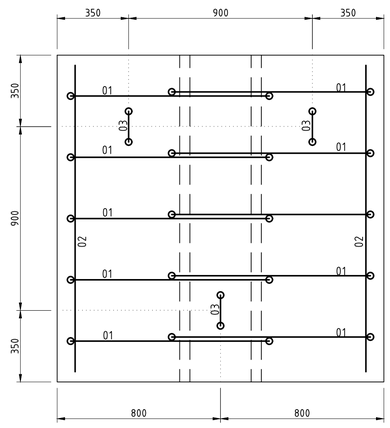
PLAN
1:15



FRONT ELEVATION
1:15



SIDE ELEVATION
1:15



PLAN
1:15

4x5 = 20 OFF REQUIRED

NOTES

1. CONCRETE CUBE STRENGTH AT 28 DAYS 40MPa/19mm
2. CONCRETE COVER = 70mm
3. ALL EXPOSED ARRISES TO HAVE 20mm x 20mm CHAMFERS UNLESS OTHERWISE STATED
4. REINFORCING SHALL COMPLY WITH S.A.N.S 920: 2005 WITH THE FOLLOWING MINIMUM YIELD STRENGTH:
   TYPE "Y" HIGH YIELD TYPE 2 DEFORMED BAR 450MPa
   TYPE "R" MILD STEEL PLAIN ROUND BAR 250MPa
5. UNLESS OTHERWISE STATED, MINIMUM ANCHORAGE AND LAP LENGTH SHALL BE 40xDIAMETER FOR GRADE 40/19 CONCRETE

REINFORCEMENT						BENDING DIMENSIONS						SHAPE CODE
No. Off Member	No. In Each	Type & Dia	Bar Mark	Total No. Off	Cut Length	Shape Code	A	B	C	D	E/r	
20	10	Y16	01	200	4800	60	1350	1000				20 A; 60 A B
20	8	Y25	02	160	1500	20	1500					
20	3	R25	03	60	2000	39	1000	150				39 A

A LETTER 'S' AFTER THE SHAPE CODE INDICATED RADII OF 2.5D. IN ALL OTHER CASES THE RADIUS IS STANDARD UNLESS 'R' IS SPECIFIED.

ALL DIMENSIONS ARE EXTERNAL AND ALL RADII ARE INTERNAL.

DRAWING NO.	REFERENCE
1785-CO-010-C-DWG-0001-03	CONSTRUCTION PHASING PHASE 3 (BERTH 203)
1785-CO-010-C-DWG-0001-02	CONSTRUCTION PHASING PHASE 2 (BERTH 204)
1785-CO-010-C-DWG-0001-01	CONSTRUCTION PHASING PHASE 1 (BERTH 205)

REFERENCE DRAWINGS

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E-Mail: zaaepna@zaaepna.com

31 Melkhout Crescent
Hout Bay 7806
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PROJECT NO	DIS CODE	AREA	DISP	TYPE	DRG NO	SHEET	STATUS	REV
1785	CO-110	C		DWG	0008	01	T	0A

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
0A	ISSUED FOR TENDER	AS	MC	JZ	2019.07.26

REVISIONS / ISSUE AUTHORIZATION

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EPCM CONSULTANT: TNPA			
TITLE	NAME	SIGNATURE	DATE
LEAD DES. ENG.			
ENG. COORD.			
ENG. MANAGER			
AREA MANAGER			
PROJECT MGR.			
DIVISION			

DIV.	TITLE	NAME	SIGNATURE	DATE

ORIGINATOR: ZAA			
TITLE	NAME	SIGNATURE	DATE
DRAWN	AS		19.07.26
CHECKED	WvW		19.07.26
ENG. COORD.			
DISCIP. ENG.			
ENG. MANAGER			
AREA MANAGER			

PR.ENG. / PR.TECH.		
NAME	J. ZIETSMAN	DATE
SIGNATURE		19.07.26
REG. NUMBER	760293	
SCALE :	AS INDICATED	A1

Transnet National Ports Authority
237 MAHATMA GANDHI ROAD
DURBAN
P.O. BOX 31683, DURBAN
TEL: 031 361 8852

PORT OF DURBAN

DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

QUAY FURNITURE TEMPORARY STOP BLOCKS DETAILS AND REINFORCING

PROJECT NUMBER	DV	FBS	DIS.	TYPE	DRG. NO.	SHT.	REV.	ID
2122830	1	110	C	GA	1007	01	0A	AS