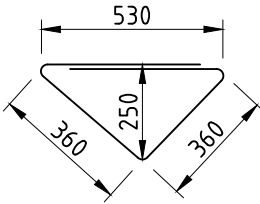




BENDING SCHEDULE

BAR MARK	TYPE & DIA.	TOTAL NO.OFF	CUT LENGTH	SHAPE CODE	BENDING DIMENSIONS					E/r	SKETCH
					A	B	C	D			
01	Y12	1240	6500	20	6500					20	
02	Y12	4555	1500	99	SEE SKETCH						
03	Y12	4555	6500	20	6500						



NOTES

- EXISTING STEEL COVER TO BE REMOVED.
- CONCRETE NIB WITH ANGLE AND Z SECTION TO BE CAREFULLY DEMOLISHED AS SHOWN.
- COVER TO REINFORCING TO BE 60mm TOP AND BOTTOM.
- NEW R.C INFILL SLAB CONCRETE STRENGTH TO BE GRADE 40MPa.
- EXISTING CONCRETE FACES TO BE SCABBLED IN SUCH A WAY TO EXPOSE AGGREGATE BEFORE CASTING NEW CONCRETE.
- INFILL SLAB TO BE CONSTRUCTED IN PHASES AND EXPANSION JOINT TO BE PROVIDED.

										<div>Engineers</div> <div><div></div><div><div>P O Box 26546 HOUT BAY 7872 Tel: +27(21) 791 9100 E-Mail: zaaepna@zaaepna.com</div><div>31 Melkhout Crescent Hout Bay 7806 Fax: +27(21) 790 4470</div></div></div>																				<div>EPCM CONSULTANT: <b>TNPA</b></div> <div><table><tr><td>TITLE</td><td>NAME</td><td>SIGNATURE</td><td>DATE</td></tr><tr><td>LEAD DES. ENG.</td><td></td><td></td><td></td></tr><tr><td>ENG. COORD.</td><td></td><td></td><td></td></tr><tr><td>ENG. MANAGER</td><td></td><td></td><td></td></tr><tr><td>AREA MANAGER</td><td></td><td></td><td></td></tr><tr><td>PROJECT MGR.</td><td></td><td></td><td></td></tr><tr><td>DIVISION</td><td></td><td></td><td></td></tr></table></div> <div><table><tr><td>NO.</td><td>DESCRIPTION</td><td>BY</td><td>CHK'D</td><td>APP'D</td><td>DATE</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div> <div>REVISIONS / ISSUE AUTHORIZATION</div> <div><div>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.</div></div>										TITLE	NAME	SIGNATURE	DATE	LEAD DES. ENG.				ENG. COORD.				ENG. MANAGER				AREA MANAGER				PROJECT MGR.				DIVISION				NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE							<div>ORIGINATOR: <b>ZAA</b></div> <div><table><tr><td>TITLE</td><td>NAME</td><td>SIGNATURE</td><td>DATE</td></tr><tr><td>DRAWN</td><td><b>AS</b></td><td></td><td><b>19/07/26</b></td></tr><tr><td>CHECKED</td><td><b>MC/WvW</b></td><td></td><td><b>19/07/26</b></td></tr><tr><td>ENG. COORD.</td><td></td><td></td><td></td></tr><tr><td>DISCIP. ENG.</td><td></td><td></td><td></td></tr><tr><td>ENG. MANAGER</td><td></td><td></td><td></td></tr><tr><td>AREA MANAGER</td><td></td><td></td><td></td></tr></table></div> <div><table><tr><td>PR.ENG. / PR.TECH.</td><td></td><td></td></tr><tr><td>NAME</td><td><b>J. ZIETSMAN</b></td><td>DATE</td></tr><tr><td>SIGNATURE</td><td></td><td><b>19/07/26</b></td></tr><tr><td>REG. NUMBER</td><td><b>760293</b></td><td></td></tr><tr><td>SCALE :</td><td><b>AS INDICATED</b></td><td><b>A1</b></td></tr></table></div>										TITLE	NAME	SIGNATURE	DATE	DRAWN	<b>AS</b>		<b>19/07/26</b>	CHECKED	<b>MC/WvW</b>		<b>19/07/26</b>	ENG. COORD.				DISCIP. ENG.				ENG. MANAGER				AREA MANAGER				PR.ENG. / PR.TECH.			NAME	<b>J. ZIETSMAN</b>	DATE	SIGNATURE		<b>19/07/26</b>	REG. NUMBER	<b>760293</b>		SCALE :	<b>AS INDICATED</b>	<b>A1</b>	<div>Transnet National Ports Authority</div> <div><div></div><div>237 MAHATMA GANDHI ROAD DURBAN P.O. BOX 31683, DURBAN TEL: 031 361 8852</div></div> <div><div>PORT OF DURBAN</div><div>DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING</div><div>EXISTING QUAY FURNITURE BUSBAR TUNNEL INFILL SLAB DETAILS</div></div> <div><table><tr><td>PROJECT NUMBER</td><td>OV</td><td>FBS</td><td>DIS</td><td>TYPE</td><td>DRG NO</td><td>SHT.</td><td>REV.</td><td>ID</td></tr><tr><td>2122830</td><td>1</td><td>110</td><td>C</td><td>G-A</td><td>1000</td><td>04</td><td>0A</td><td>AS</td></tr></table></div>										PROJECT NUMBER	OV	FBS	DIS	TYPE	DRG NO	SHT.	REV.	ID	2122830	1	110	C	G-A	1000	04	0A	AS
TITLE	NAME	SIGNATURE	DATE																																																																																																																																																													
LEAD DES. ENG.																																																																																																																																																																
ENG. COORD.																																																																																																																																																																
ENG. MANAGER																																																																																																																																																																
AREA MANAGER																																																																																																																																																																
PROJECT MGR.																																																																																																																																																																
DIVISION																																																																																																																																																																
NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE																																																																																																																																																											
TITLE	NAME	SIGNATURE	DATE																																																																																																																																																													
DRAWN	<b>AS</b>		<b>19/07/26</b>																																																																																																																																																													
CHECKED	<b>MC/WvW</b>		<b>19/07/26</b>																																																																																																																																																													
ENG. COORD.																																																																																																																																																																
DISCIP. ENG.																																																																																																																																																																
ENG. MANAGER																																																																																																																																																																
AREA MANAGER																																																																																																																																																																
PR.ENG. / PR.TECH.																																																																																																																																																																
NAME	<b>J. ZIETSMAN</b>	DATE																																																																																																																																																														
SIGNATURE		<b>19/07/26</b>																																																																																																																																																														
REG. NUMBER	<b>760293</b>																																																																																																																																																															
SCALE :	<b>AS INDICATED</b>	<b>A1</b>																																																																																																																																																														
PROJECT NUMBER	OV	FBS	DIS	TYPE	DRG NO	SHT.	REV.	ID																																																																																																																																																								
2122830	1	110	C	G-A	1000	04	0A	AS																																																																																																																																																								
REFERENCE DRAWINGS										EXISTING QUAY FURNITURE GENERAL ARRANGEMENT																																																																																																																																																						
DRAWING NO.										REFERENCE																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C-DWG-0001-01																																																																																																																																																						
1785										CO-110-C																																																																																																																																																						