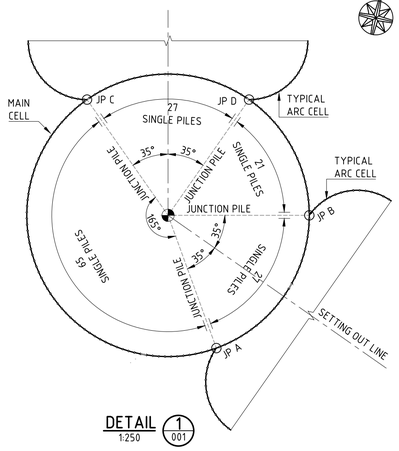
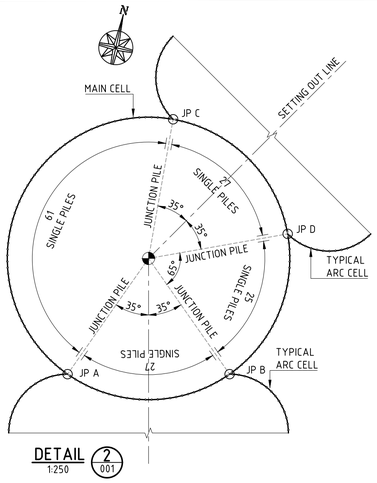
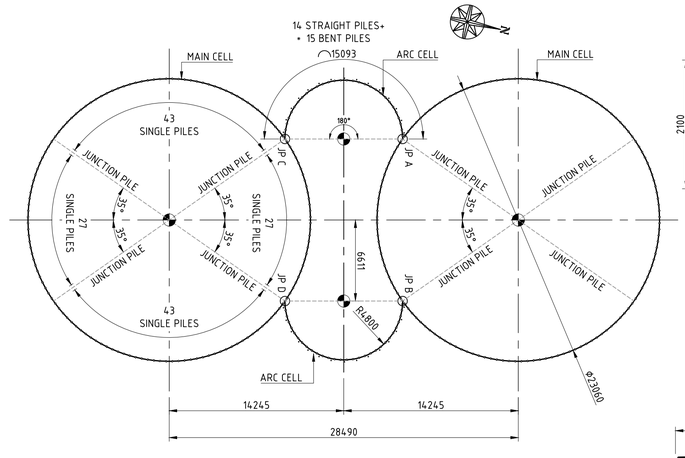
DO NOT SCALE - IF IN DOUBT, ASK



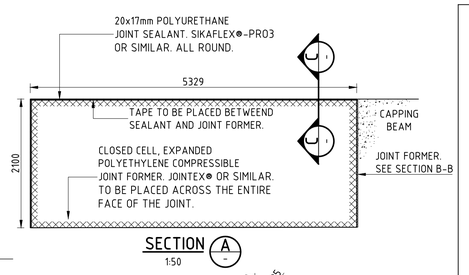
DETAIL 1 (001) 1:250



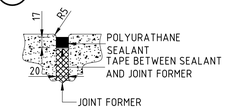
DETAIL 2 (001) 1:250



TYPICAL SYSTEM LENGTH DETAIL
1:250



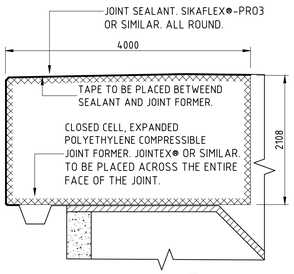
SECTION A (-) 1:50



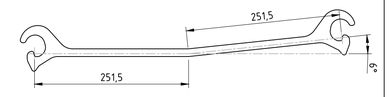
SECTION C (-) 1:5

NOTES:

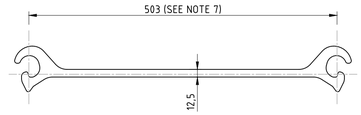
1. ALL PILES SECTIONS SHALL HAVE A STEEL GRADE OF S430GP.
2. CORROSION PROTECTION SHALL BE APPLIED AS PER THE PROJECT SPECIFICATIONS.
3. INTERLOCK STRENGTH SHALL BE AT LEAST 5500 kN/m.
4. RETURN QUAY CAPPING BEAM SHALL HAVE A 28DAY CONCRETE COMPRESSIVE STRENGTH OF 40MPa.
5. THE STRAIGHT WEB SHEETPILE SPECIAL PROVIDES A CONNECTION TO THE BERTH 205 TEMPORARY SHEET PILES. THE SHEETPILE FORMS PART OF CELL 9 OF THE STEEL CELL WALL. THE SETTING OUT DETAILS OF THE STRAIGHT WEB SECTION ARE SHOWN IN THE ADJACENT TABLE
6. ABBREVIATIONS:
   - 6.1. C - CENTER
   - 6.2. JP - JUNCTION PILE
7. EFFECTIVE WIDTH USED FOR THE LAYOUT OF PILES IS 503mm. ACTUAL WIDTH OF PILE IS 500mm.



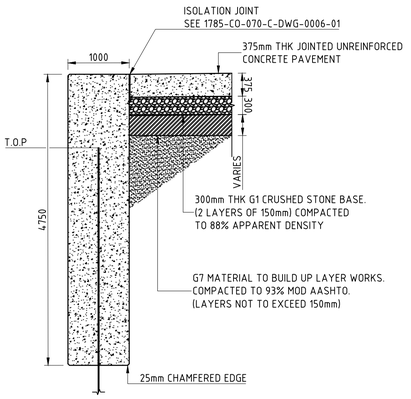
SECTION B (-) 1:50



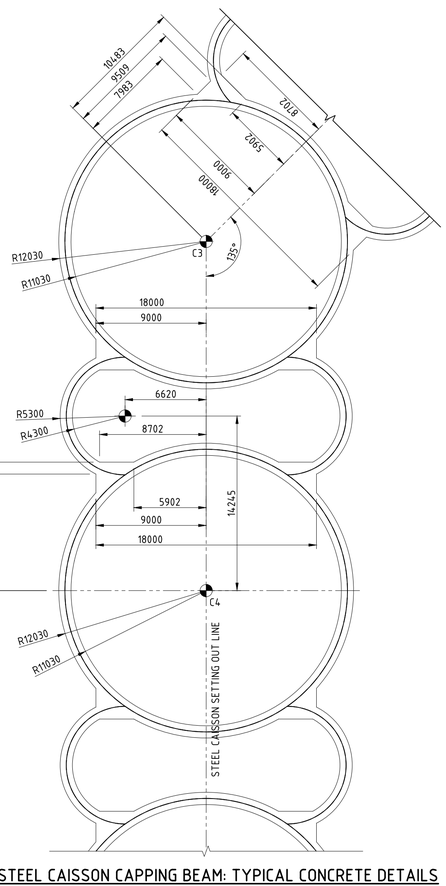
ARC CELL BENT PILE (#OFF 240)
1:5

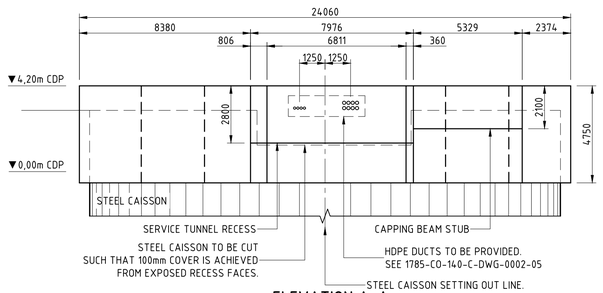


STRAIGHT WEB SHEET PILE AS 500-12.5 (#OFF 1487)
1:5

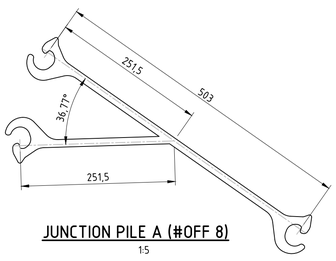


DETAIL 3 (001) 1:50

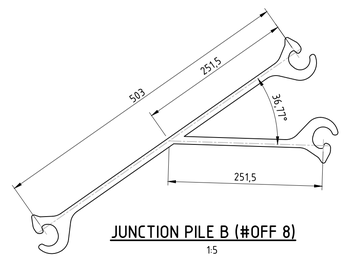




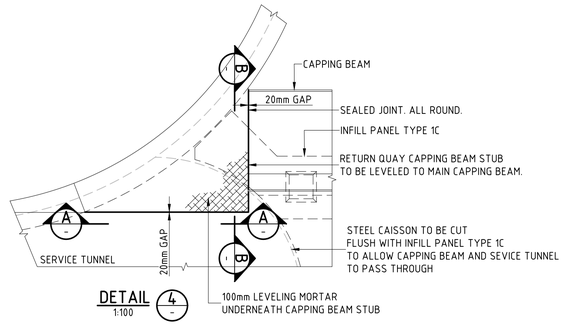
ELEVATION A-A
1:150



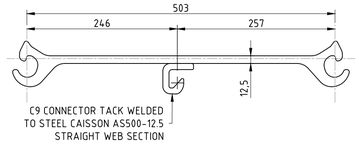
JUNCTION PILE A (#OFF 8)
1:5



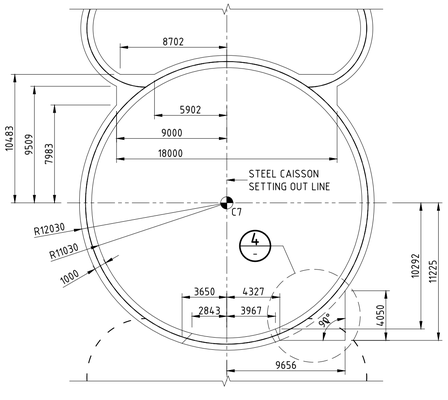
JUNCTION PILE B (#OFF 8)
1:5



DETAIL 4 (-) 1:100

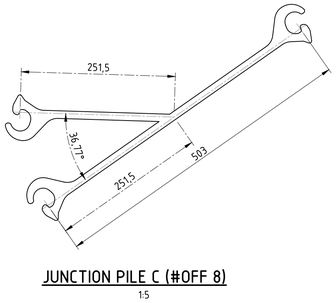


STRAIGHT WEB SHEET PILE AS 500-12.5 SPECIAL (JP33#OFF 1)
1:5

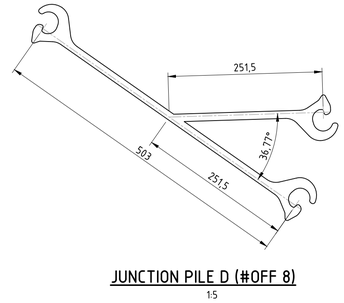


STEEL CAISSON CAPPING BEAM:
SERVICE TUNNEL RECESS AND
STUB DETAILS
1:250

STEEL CAISSON CAPPING BEAM: TYPICAL CONCRETE DETAILS
1:250



JUNCTION PILE C (#OFF 8)
1:5



JUNCTION PILE D (#OFF 8)
1:5

DRAWING NO.	REFERENCE
1785-CO-140-C-DWG-0002-05	ELECTRICAL INFRASTRUCTURE DUCTING DETAILS SH5
1785-CO-070-C-DWG-0002-02	RETURN QUAY DETAILS SHEET 2
1785-CO-070-C-DWG-0001-01	RETURN QUAY GENERAL ARRANGEMENT

REFERENCE DRAWINGS

Engineers

ZAA ENGINEERING PROJECTS & NAVAL ARCHITECTS

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Tel: +27(21) 791 9100
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31 Melkhout Crescent
Hout Bay 7806
Fax: +27(21) 790 4470

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

REVISIONS / ISSUE AUTHORIZATION

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PROJECT NO	DIS CODE	AREA	DISP	TYPE	DRG NO	SHEET	STATUS	REV
1785	CO	070	C	DWG	0002	01	T	0A

EPCM CONSULTANT: TNPA

TITLE	NAME	SIGNATURE	DATE
LEAD DES. ENG.			
ENG. COORD.			
ENG. MANAGER			
AREA MANAGER			
PROJECT MGR.			
DIVISION			
DIV. TITLE	NAME	SIGNATURE	DATE
PR.ENG. / PR.TECH.			
NAME	J. ZIETSMAN		DATE
SIGNATURE			19 07 26
REG. NUMBER	760293		
SCALE :			OR AS NOTED A1

ORIGINATOR: ZAA

TITLE	NAME	SIGNATURE	DATE
DRAWN	DM		19 07 26
CHECKED	MC		19 07 26
ENG. COORD.			
DISCIP. ENG.			
ENG. MANAGER			
AREA MANAGER			

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

TRANSNET

PORT OF DURBAN

DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

RETURN QUAY DETAILS

PROJECT NUMBER	DV	FBS	DIS	TYPE	DRG. NO.	SHT.	REV.	ID
2122830	1	070	C	GA	1001	01	0A	DM