



TYPICAL DETAILS - SLUICE GATE  
DN900, DN1200, DN200

(INITIAL LETTER OF NOTATION 'P')



NOTE: TYPES STA, SSR, SSL AND ST STANCHIONS ARE NOT AVAILABLE FOR ANGLES GREATER THAN 50°

(INITIAL LETTER OF NOTATION 'S')



ANGLE TOP MOUNTED

SIDE MOUNTED  
TYPES SSR 40 , SSR 45  
SSL 40 & SSL 45  
R - RIGHT HAND  
L - LEFT HAND

TOP MOUNTED  
TYPES ST 40 & ST 45



THE TYPICAL DETAILS INDICATED ON THIS  
DRAWING PROVIDE GUIDELINES ONLY.  
THIS DRAWING MUST NOT BE USED  
WITHOUT PRIOR CONSENT OF THE  
CHIEF ENGINEER OR HIS DELEGATED  
REPRESENTATIVE  
THE ENGINEER/REPRESENTATIVE WILL  
DETERMINE THE APPROPRIATE  
APPLICATION TO SUIT SITE REQUIREMENTS

LEGEND		SCHEDULE		
T	TOP MOUNTING	TYPE	STANCHIONS	No.REQD.
S	SIDE MOUNTING	PT 90	TOP MOUNTED	
O	OFFSET SIDE MOUNTING	PS 90	SIDE MOUNTED	
S	STAIR MOUNTING	PO 90	OFFSET SIDE MOUNTED	
P	PEG MOUNTING	PP 90	PEG MOUNTED	
		SP 40/45	ANGLE PEG MOUNTED	
		STA 40/45	ANGLE TOP MOUNTED	
		SSR 40/45	SIDE MOUNTED	
		SSL 40/45	SIDE MOUNTED	
		ST 40/45	TOP MOUNTED	
		ST 90	TOP MOUNTED	
		SS 90	SIDE MOUNTED	
		LT 90	TOP MOUNTED	
		LS 90	SIDE MOUNTED	
		P	35 O.D. x 150 SOLID PEG	

### GENERAL NOTES

1. Do not scale this drawing. Work to figure by dimensions, only. Any discrepancies to be brought to the Engineers attention prior to implementation of any work.
2. Minimum concrete cube strength @ 28 days for blinding layer is to be 15MPa minimum concrete cube strength @ 28 days for walls, floor slabs, roof slabs, columns, foundations and external non-water retaining structure is to be 30MPa.
3. Concrete cover specifications are to be in accordance with the contract document design specifications.
4. Minimum cover to reinforcing all concrete members 25mm top & bottom.  
PWJ - partial wall vertical joint  
PJ - partial floor joint
5. Engineer to inspect all reinforcement prior to casting concrete.
6. 260x20mm chamfer on all exposed concrete edges unless otherwise noted.
7. All steel fixings to S.A.B.S. 1123/77 table 1000/3 unless otherwise indicated.
8. Brick work:
  - All exposed external brickwork satin red facelick.
  - All internal brickwork to be clay commons, plastered and painted acrylic pva white.
  - Outer face of internal brickwork skin to be bagged and bitumen painted.
  - Brickerface at window/ill level and wall plate level all around building.
  - N.B : 4 coarse brickwork above windows and doors.
  - DPC at floor and window/ill levels.
9. Plaster:
  - Cement plaster 12mm thick to internal vertical brick walls.
10. Painting:
  - Prepare and apply two coats bitumen paint on brick skin including working around wire ties.
  - Prepare and apply two coats plaster primer and two coats approved pva acrylic paint to internal walls, fibre cement fascia and barge board.
  - Clean with spirits of salts solution and apply two coats silicone-based brick dressing in strict accordance with the manufacturer's instructions to external brickwork.
  - Prepare and apply one coat plaster primer and one coat universal undercoat and one coat approved eggshell enamel paint on fibre cement sills.
  - Echo and apply one coat zinc primer, one undercoat and two finishing coats approved universal glossy enamel paint on steel shades, frames, and burglar bars.
  - Prepare, sand and apply two coats approved varnish on hardwood doors and frames.
  - Prepare, knit prime stop, and apply one coat pink wood primer, one undercoat and two coats approved universal eggshell enamel paint on general surfaces of eaves timbers.
11. All steel pipe specials to be rilan lined and coated to specifications.
12. All buried steel pipework & bolted connections to be "denso" wrapped to specifications.
13. All puddle pipes to be tape wrapped to specifications.
14. All bolts & nuts to be hot dip galvanised, unless otherwise indicated.
15. All construction activities shall be executed to the Engineer's approval.
16. Setting out & final positioning of all steel pipework, including puddle pipes, to be confirmed by contractor on site, prior to fabrication and installation.

		FOR APPROVAL
		DESCRIPTION

## REVISIONS

<p>Consultant</p> 	<p>Veyane Consulting Engineers (Pty) Ltd</p> <p>Address: 03 Gilmclair Close Dawncrest Westville 3629</p> <p>KwaZulu-Natal, RSA</p> <p>E-mail :</p>
<p>Name: . . . . .</p>	
<p>Pr.Eng. No.: . . . . .</p>	
<p>Signature: . . . . .</p>	
<p>Consulting Engineer</p>	<p>Date</p>

DRG No.	DESCRIPTION	SOURCE
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## REFERENCE DRAWINGS

SURVEYED BY:	
DESIGNED BY:	NSD
CHECKED BY:	SZ
DRAWN BY:	NSD
CHECKED BY:	SM

Contract No.

CLIENT:



KING CESHWAYO  
DISTRICT  
MUNICIPALITY

PROJECT

## NKANDLA WEIR REFURBISHMENT

DRAWING TITLE:

# NKANDLA WEIR - MHLATHUZE RIVER

DETAILS 3 OF 3

SCALES : AS SHOWN	DATE: 11.04.2022	SHEET 1 OF 1
DRAWING No. VCE-KCDM-NW-DT-0003	DRAWING Size. A0	REVISION No. 0

**FOR TENDER**