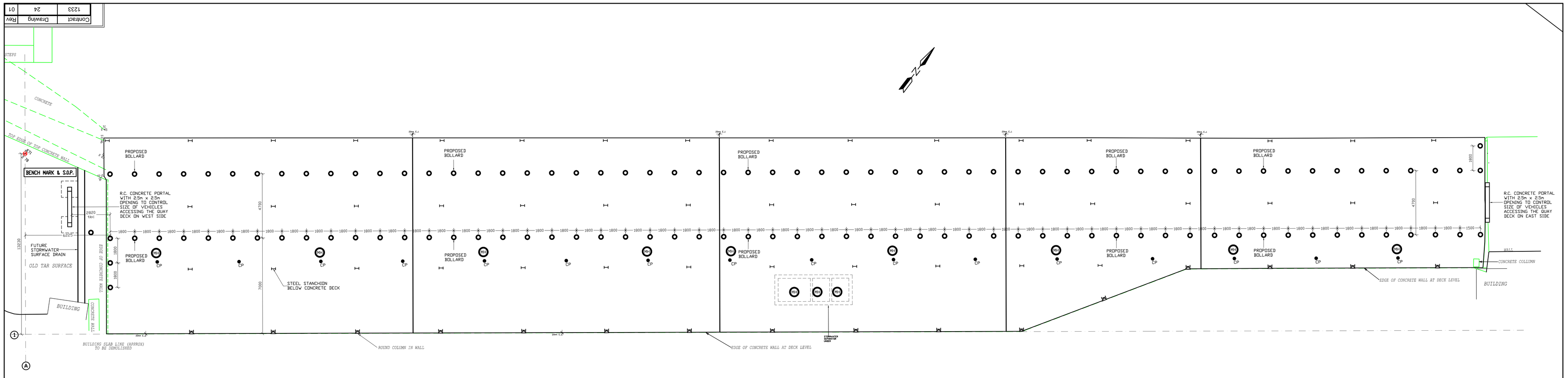
IF IN DOUBT ASK ! - UKUBA UYATHANDABUZE BUZA!

Contract	Drawing	Rev
1233	24	01



PLAN: PROPOSED DECK LAYOUT PROPOSING MEASURES TO LIMIT VEHICULAR TRAFFIC ONTO DECK
SCALE 1:100

NOTES

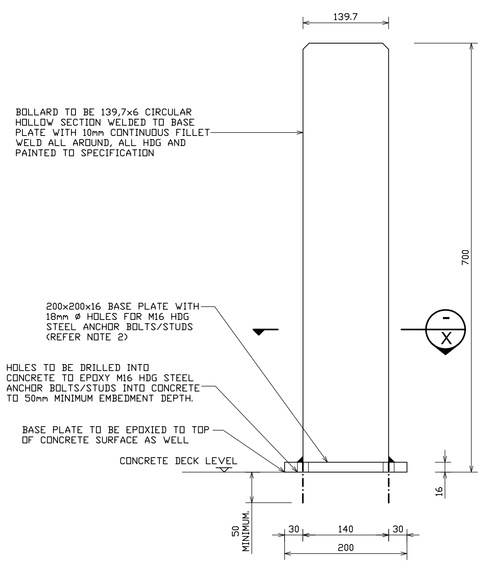
1. ALL 'ADDITIONAL NOTES' INDICATED ON DRAWING NO. 1233-03 PERTAIN AND ARE APPLICABLE TO THIS DRAWING.
2. ANCHOR BOLTS / STUDS TO BE HOT DIP GALVANISED (HDG) AND SHOULD BE SOURCED FROM HDG FASTENER SUPPLIERS WHO STOCK THESE ITEMS. A LIST OF SUPPLIERS WILL BE FORWARDED TO THE CONTRACTOR. IF SOURCING OF THE HDG FASTENERS AS STOCK ITEMS IS UNSUCCESSFUL, THE CONTRACTOR CAN OPT FOR GRADE 316L STAINLESS STEEL FASTENERS.
3. NOTE THAT THE HDG ANCHOR BOLTS / STUDS MUST ALSO BE EPOXIED. THE MINIMUM DEPTH OF EMBEDMENT IS 50mm ALTHOUGH GREATER DEPTHS ARE PREFERRED. THE CONTRACTOR TO ALLOW IN HIS PRICE FOR THE APPROPRIATE LENGTH OF ANCHOR BOLTS / STUDS.
4. THE CONTRACTOR MUST TAKE INTO ACCOUNT THE FACT THAT HE WILL BE DRILLING HOLES INTO EXISTING REINFORCED CONCRETE AND WILL HAVE TO RE-DRILL HOLES IF REINFORCING BARS ARE ENCOUNTERED AT INAPPROPRIATE EMBEDMENT DEPTHS.
5. ALL STEEL, INCLUDING REINFORCING, TO BE HOT DIP GALVANISED. ALL HOT DIP GALVANISING TO BE STRICTLY UNPASSIVATED.
6. THE EPOXY ADHESIVE SHALL BE A 2-PART EPOXY ANCHORING ADHESIVE i.e. SIKA ANCHORFIX -3, BY SIKA, OR SIMILARLY APPROVED.
7. ALL ANCHOR BOLT HEADS TO BE COATED WITH EPOXY TO PRESENT ROUNDED HEADS (FOR PREVENTING REMOVAL)

PAINT SPECIFICATION FOR USE ON STRUCTURAL STEELWORK:

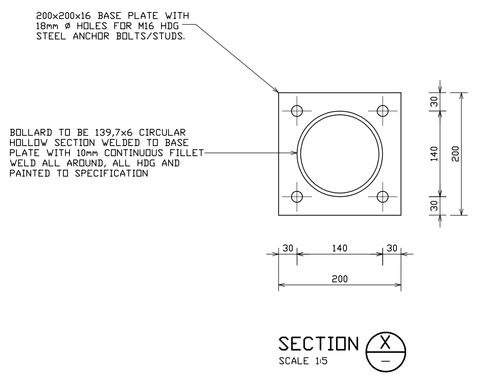
Primer:	65-75 uM	Surface tolerant epoxy primer:	STONCOR (Chemrite Coatings) Carboline 193 Primer
		or	DULUX/SIGMA Sigmacover primer
		or	INTERNATIONAL (Plascon) Intergard 269
Topcoat:	65-75 uM	Two component recoatable Polyurethane finish (Gloss):	STONCOR (Chemrite Coatings) Carboline 134
		or	DULUX/SIKOA Sigmadur gloss
		or	INTERNATIONAL (Plascon) Interthane 990

DOM PEDRO QUAY
CONSTRUCTED - 1905 - REHABILITATED - 2008
MAXIMUM QUAY VEHICLE LOADING
3 VEHICLES SIMULTANEOUSLY AT ANY GIVEN TIME
2 TON GROSS WEIGHT PER VEHICLE

DETAILS OF TEXT SHUTTER DIMENSIONS
SCALE 1:10

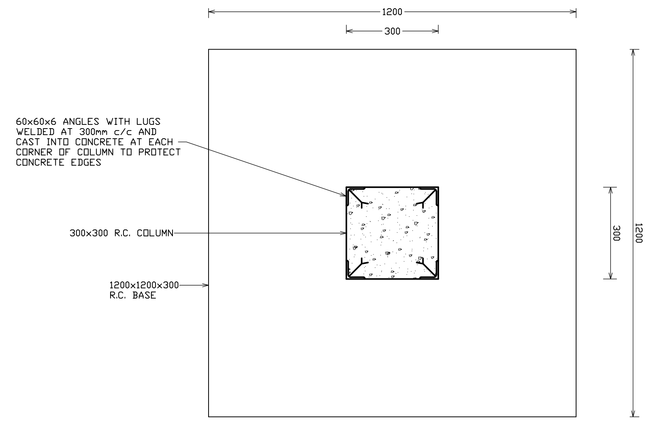


ELEVATION
SCALE 1:5

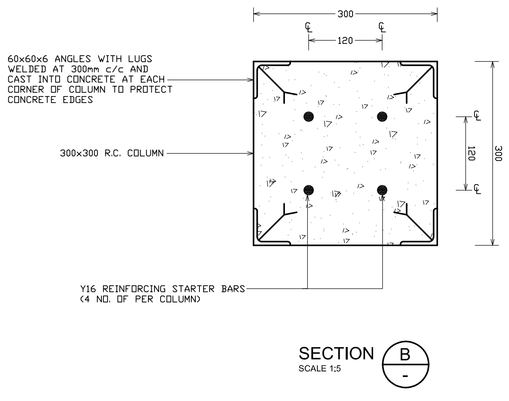


SECTION X
SCALE 1:5

TYPICAL STEEL BOLLARD DETAIL
(FOR INSTALLATION AFTER CASTING CONCRETE DECK PANELS)
SCALE 1:5

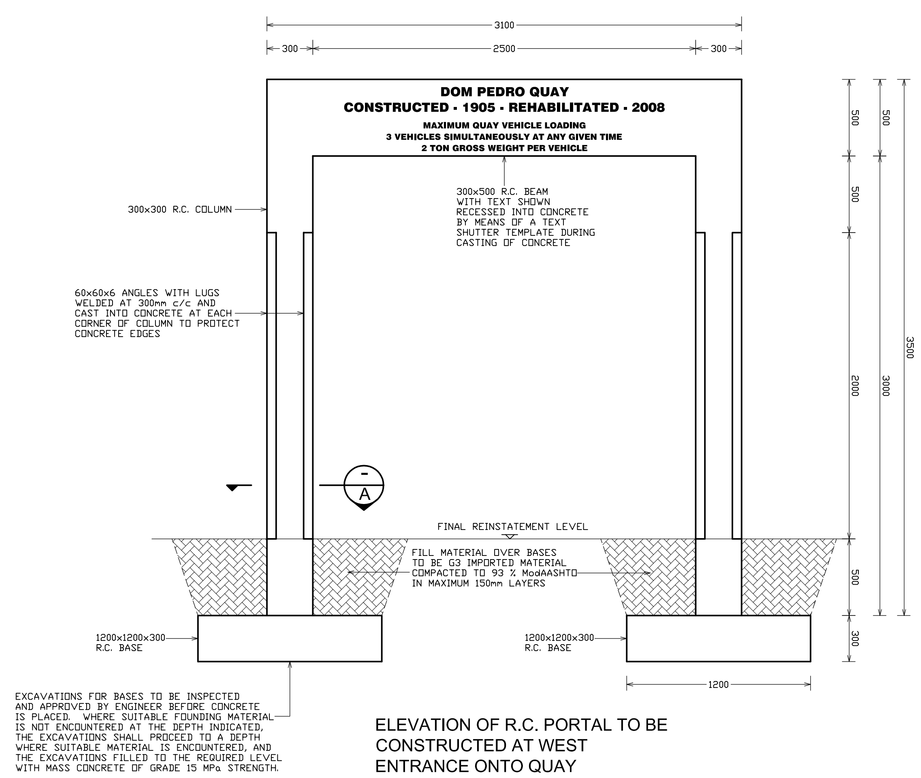


SECTION A
SCALE 1:10

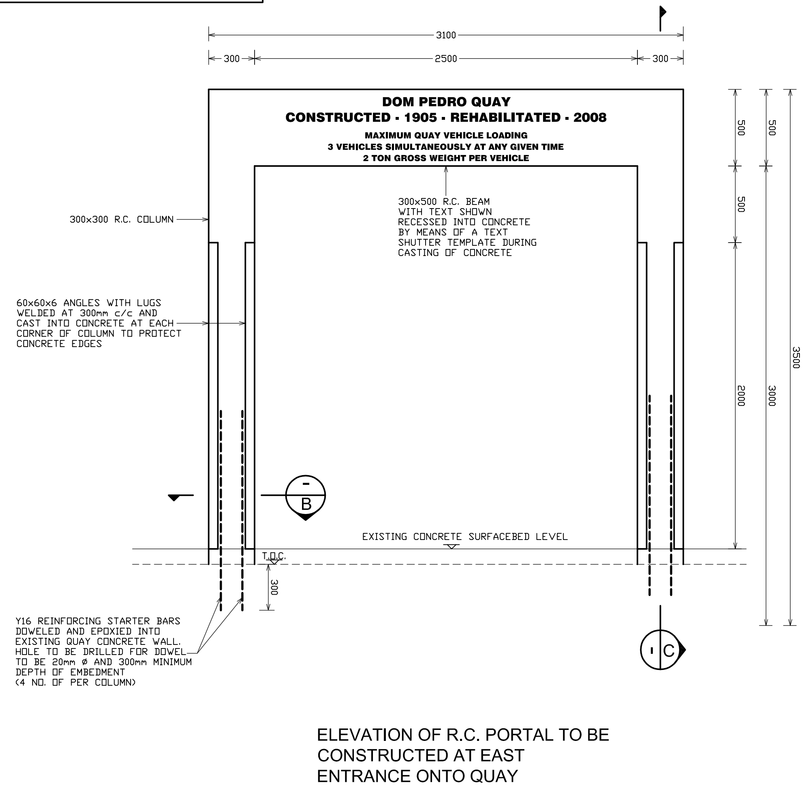


SECTION B
SCALE 1:5

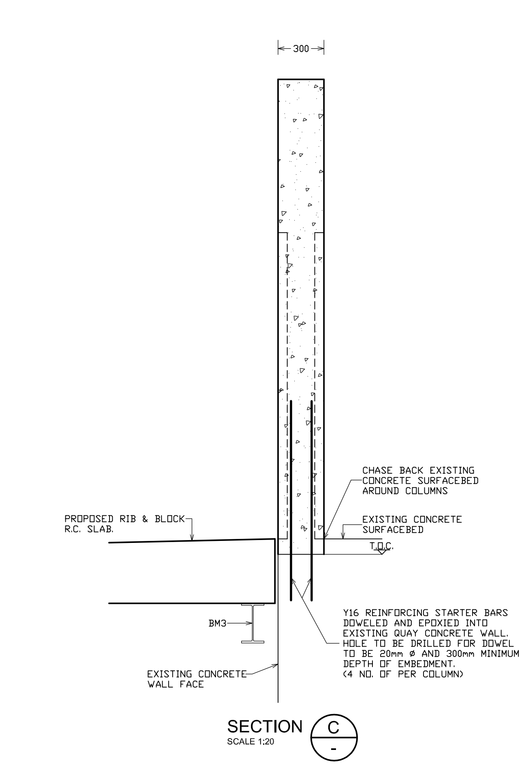
PLEASE REFER TO INDIVIDUAL STEEL REINFORCING BENDING SCHEDULES FOR CONCRETE PORTAL AT EAST ENTRANCE AND CONCRETE PORTAL AT WEST ENTRANCE



ELEVATION OF R.C. PORTAL TO BE CONSTRUCTED AT WEST ENTRANCE ONTO QUAY
SCALE 1:20



ELEVATION OF R.C. PORTAL TO BE CONSTRUCTED AT EAST ENTRANCE ONTO QUAY
SCALE 1:20



SECTION C
SCALE 1:20

AS BUILT DRAWING

IVO HUISMAN AND ASSOC. cc
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CK 86/13685/23

Rev.	Date	Description	By
01	09/03/2009	AS BUILT DRAWING	K.V.

Project title: **NPA - PORT ELIZABETH HARBOUR REHABILITATION OF DOM PEDRO QUAY**

Drawing title: **CONCRETE DECK LAYOUT: VEHICLE ACCESS CONTROL USING STEEL BOLLARDS**

Land Surveyor	SURPLAN		
Designed by	I.L.H. & K.V.	Scale	AS SHOWN
Drawn by	K.V.		
Checked by	Pr Eng 840125	Date	20 OCTOBER 2008
Sheet size	DRAWING NO.	Contract	Drawing / Rev
A0		1233	24 / 01