

SECTION: STEEL H-COLUMN
& BASE REINFORCING
SCALE 1:25

PLAN: STEEL H-COLUMN
BASE REINFORCING
SCALE 1:25

PLAN: TYPICAL H-COLUMN AND PRECAST PANEL WALL
LENGTHWISE TOP VIEW
SCALE 1:50

SECTION A-A: TYPICAL IN-SITU CAST SUPPORT WALL
TO STEEL H-COLUMN - REINFORCING
SCALE 1:25

PLAN: TYPICAL IN-SITU CAST SUPPORT WALL
TO STEEL H-COLUMN - REINFORCING
SCALE 1:25

H-COLUMN TO PANEL JUNCTION
& CORKING DETAIL - TOP VIEW
SCALE 1:10

NOTE

WALL
WEDG

COLU

NOTE

COAT
BELO

PF "A"

CLEAT NOTES:

1. CLEATS (2 OFF) TO BE WELDED TO ONE SIDE OF SELECTED H-COLUMNS TO BE CAST INTO REINFORCED CONCRETE SUPPORT SECTIONS OF WALL.
2. THIS APPLIES ONLY TO H-COLUMNS JOINING DIRECTLY ONTO REINFORCED CONCRETE SUPPORT SECTIONS OF WALL, WHERE INDICATED BY ENGINEER.

DETAIL: H-COLUMN CLEATS
FOR CONCRETE TO COLUMN CONNECTION
SCALE 1:25

CLEAT DETAIL
SCALE 1:5

DETAIL 1 :
H-COLUMN BASE PLATE
SCALE 1:10

DETAIL 1 :
H-COLUMN BASE PLATE
SCALE 1:10

GENERAL NOTES:

- A. HEIGHT OF WALL IS SITE SPECIFIC. APPOINTED CONSULTING ENGINEER TO CONFIRM DIMENSIONS, INCLUDING BASE DIMENSIONS.
- B. TYPICAL DETAIL ISSUED FOR TENDER PURPOSES ONLY. THE APPOINTED DESIGN ENGINEER/CONSULTING ENGINEER IS TO CHECK ALL DESIGN DIMENSIONS AND REINFORCING REQUIREMENTS, TAKING INTO ACCOUNT GEOTECHNICAL CONDITIONS AND ENSURING COMPLIANCE WITH SANS 10400.

NOTES:

1. CONCRETE STRENGTH: 30 MPa AT 28 DAYS.
2. COARSE AGGREGATE : 13mm.
3. REINFORCING COVER : 40mm.
4. PROPER CONCRETE SPACERS TO BE USED.
5. REINFORCING LAP LENGTH = 50 x Ø.
6. NO CONCRETE TO BE CAST WITHOUT THE APPROVAL OF THE ENGINEER.

STEEL NOTES:

1. STEEL WORK ACCORDING TO SANS 2001 CSI.
2. STRUCTURAL STEEL GRADE S355JR ACCORDING SANS 431.
3. WELDING ACCORDING TO SABS 041.
4. ALL BOLTS TO BE HOT DIPPED GALVANIZED WITH WASHERS (NO ZINC ELECTROPLATED ACCEPTED)
5. STEELWORK TO BE HOT DIP GALVANIZED TO SANS 121 (ISO 1461)
6. WELDING: EDGES TO BE PROPERLY PREPARED ALL ROUND AND 8-10mm FILLET WELD TO BE USED ALL ROUND.
7. SHOP DRAWINGS MUST BE SUPPLIED TO THE ENGINEER FOR APPROVAL PRIOR TO MANUFACTURING.
8. ALL DIMENSIONS HAVE TO BE CHECKED ON SITE PRIOR TO MANUFACTURING!

QUALITY CONTROL TESTS TO BE DONE

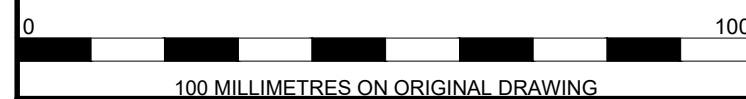
A. COMPACTION TESTS IN-SITU



1. TROXLER TESTS REQUIRED SPREAD OUT OVER ALL NEW FLOOR AREAS. 1/50m² + 5 ADDITIONAL ONES
2. TEST POSITIONS TO BE DETERMINE BY THE ENGINEER.
3. TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY
4. ALL COMPACTION RESULTS TO BE SUPPLIED TO THE ENGINEER AND MUST BE APPROVED BY THE ENGINEER BEFORE CONTINUING WITH THE SUBSEQUENT LAYERS.

B. CONCRETE CUBE TESTS:

1. 4 SET OF CUBES (3) REQUIRED FOR EVERY 30m³ (5 TRUCKS) OF CONCRETE PLACED.
2. SAMPLES TO BE TAKEN FROM DIFFERENT BATCHES AND RANDOMLY CHOSEN.
3. AT LEAST ONE SAMPLE SHALL BE TAKEN FROM EACH DAY'S PLACING OF DIFFERENT GRADES OF CONCRETE.
5. TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY
6. ALL CONCRETE TEST CUBES MUST BE SUPPLIED TO THE ENGINEER WITHIN 7 DAYS OF REACHING AGE (7 AND 28 DAYS) FOR APPROVAL.

FOR TENDER



-  BEFORE CONTRACT COMMENCES
 AFTER CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS

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CLIENT



PROJECT

SUPPLY, INSTALLATION & MAINTENANCE OF PRECAST PERIMETER WALL FOR CITY OF CAPE TOWN FACILITIES.





DRAWING DESCRIPTION

TYPICAL DETAIL: PRE-CAST CONCRETE PERIMETER WALL WITH STEEL H COLUMN

DRAWING NO.

10515036-C-600

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DESIGNED: DT		CHECKED: DT	
DRAWN: KS		SCALE: AS SHOWN	A1
APPROVED:		DATE: 2020-10-15	
FILE PATH:	Sharepoint \Cape Town - 10515000 CoCT\WP195_Bishops Lavis Sport Ground 10515036\05_Constr\01 Office\05 Draw		