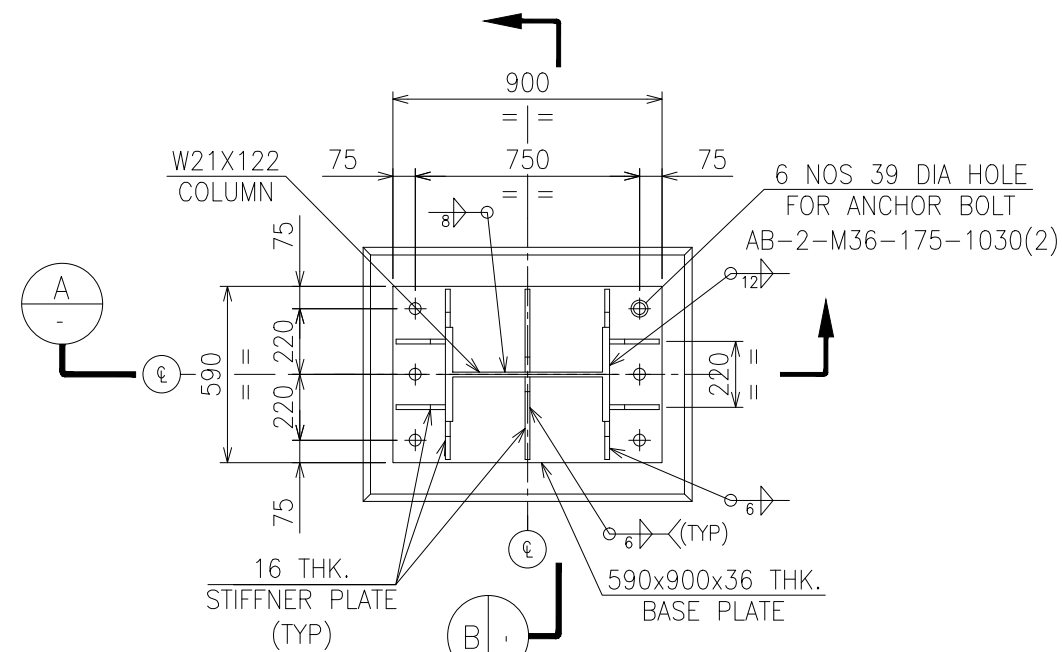
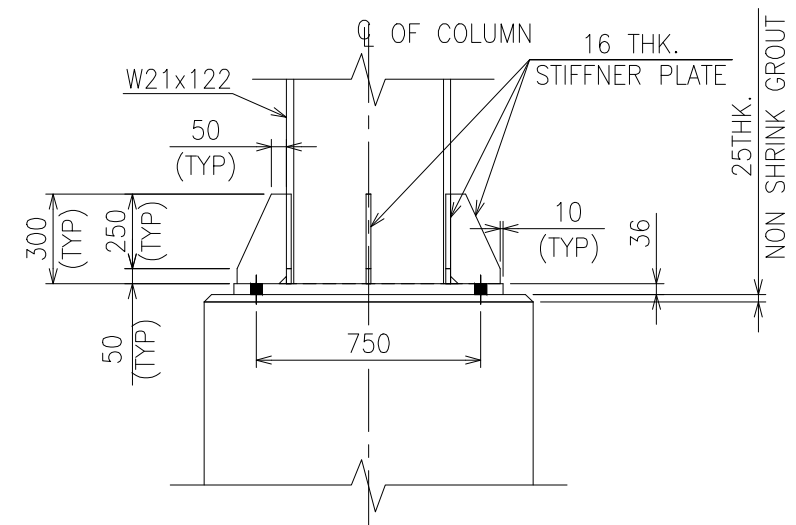


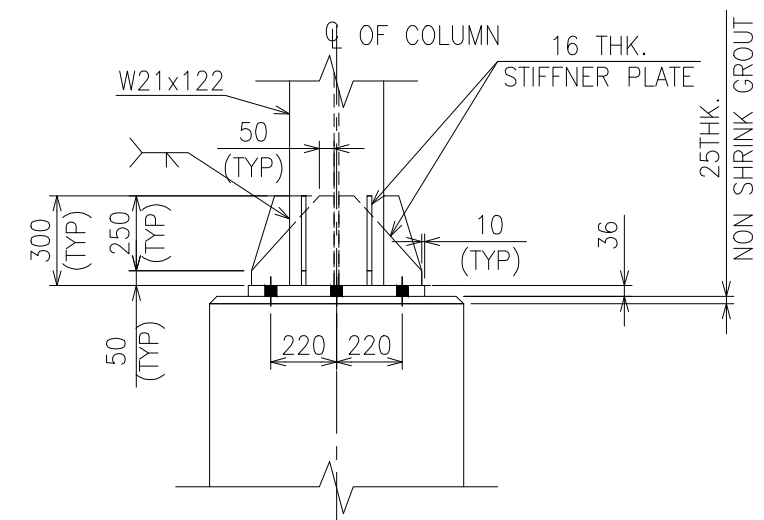
PLAN AT EL.+1.500(BOB)  
(SCALE 1:75)



DETAIL OF BP2  
(SCALE 1:25)



SECTION A  
(SCALE 1:25)



SECTION B  
(SCALE 1:25)

#### GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
  - FINISHED FLOOR LEVEL IS AT EL +1.300 M.
  - ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  - MATERIALS SHALL BE CONFORMING TO FOLLOWING STANDARDS.
- A. Structural Steel  
W and WT Shapes : ASTM A 992/A992M  
C and L Shapes : ASTM A36/A36M  
Structural Steel Plates : ASTM A36/A36M
- B. High Strength Bolt  
M20, M22 : ASTM A325/A325M Type I  
M24 : ASTM A490/A490M
- C. Standard Bolt : ASTM A 307 Grade A
- D. Anchor Bolt : ASTM A36/A36M or ASTM F1554 Gr.36
- E. Welding Electrode : ANSI / AWS D1.1 Section 3.3  
fy = 400 MPa, ft = 480
5. PAINTING TO STRUCTURAL STEEL SHALL BE AS PER PROJECT SPECIFICATIONS.
6. METAL DECK FLOORING SHALL BE OF 0.7MM THICK PLATE WITH STUD. CONCRETE THICKNESS SHALL BE 150 mm.
7. COMPRESSIVE STRENGTH OF CYLINDER AT 28 DAYS SHALL BE AS FOLLOWS:  
- STRUCTURAL CONCRETE :  $f_c' = 28$  Mpa  
- NON STRUCTURAL CONCRETE :  $f_c' = 14$  Mpa
8. MAIN REINFORCEMENT BAR SHALL BE OF GRADE SASO SSA 2, fy = 420 MPa
9. CLADDING AND ROOFING SHEET SHALL BE 0.7mm THICK COLOR COATED METAL SHEET.

#### LEGEND

CL : CENTER LINE  
EL. : ELEVATION  
TOS : TOP OF STEEL  
TOC : TOP OF CONCRETE  
TYP : TYPICAL  
THK. : THICK  
UNO : UNLESS NOTED OTHERWISE  
BP : BASE PLATE  
BOB : BOTTOM OF BASE PLATE

REFERENCE DRAWINGS		
DESCRIPTION	DRAWING NUMBER	
GENERAL LAYOUT	2F78-20-101	
PLOT PLAN SABIZ PLANT	2F78-20-102	
CONCEPTUAL LAYOUT	2F78-20-104	
EQUIPMENT LAYOUT AND LOADING DATA	2F78-55-101	
SABIZ PLANT LAYOUT PLANS	J8371-4-23-001 TO 010	
ANCHOR BOLT DETAILS	AA-036322	
SABIZ PLANT ELEVATIONS	J8371-4-23-011 TO 030	
SABIZ PLANT STAIRCASE DETAILS	J8371-4-23-031	

03-08-19	02	REVISED AS PER CLIENT COMMENT	APG	AMA	RAR
27-07-19	01	REVISED AS PER CLIENT COMMENT	APG	AMA	RAR
13-07-19	00	ISSUED FOR APPROVAL	APG	AMA	RAR
DATE	REV	DESCRIPTION	DRN	CKD	APP

#### CLIENT:

UNIVERSAL CHEMICAL COMPANY



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PROJECT TITLE:		
SYNTHETIC DETERGENT POWDER PRODUCTION PLANT		
DRAWING TITLE :		
SABIZ TOWER STRUCTURAL GA LAYOUT AT EL.+1.500(BOB)		

BY	DATE	PROJECT NO:	REF NO:
DRN/CADD	APG	01-03052015	SCALE : 1:75
CHECKED	AMA	DRAWING NO.:	J8371-4-23-009
APPROVED			REV. 02

J8371-4-23-009-R02