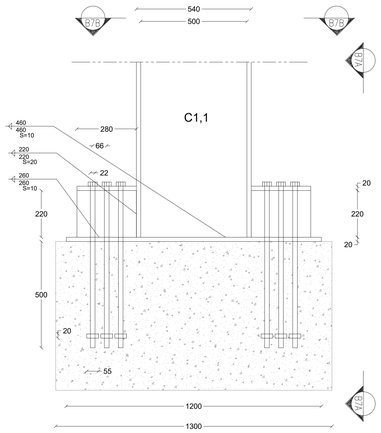
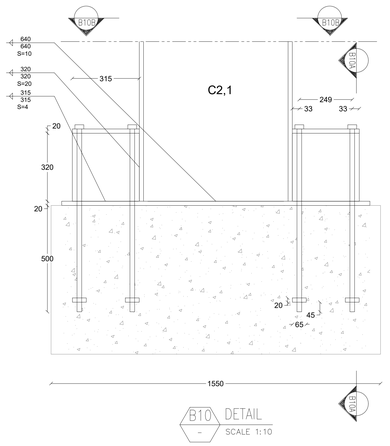
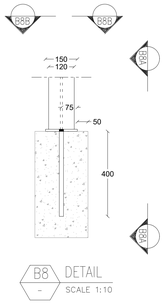


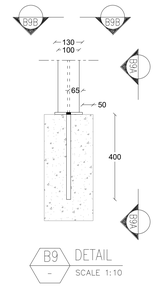
B7 DETAIL @ AXIS 1
SCALE 1:10



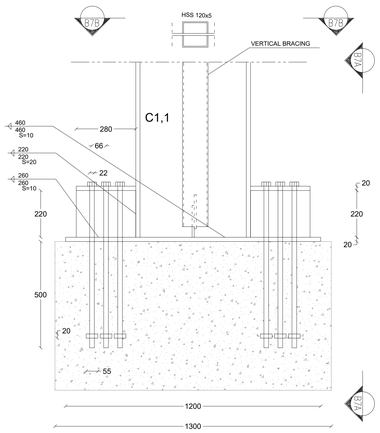
B10 DETAIL
SCALE 1:10



B8 DETAIL
SCALE 1:10



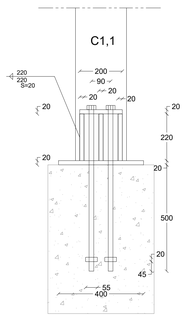
B9 DETAIL
SCALE 1:10



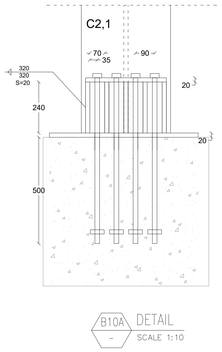
B7 DETAIL @ AXIS 2
SCALE 1:10

TABLE OF SECTIONS

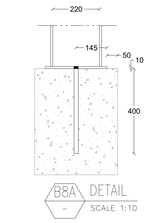
COLUMN	SECTION
C1,1	500X15/240X20
C1,2	500X15/140X10
C1,3	500X15/200X20
C2,1	680X20/420X20
C2,2	680X20/400X20
C2,3	680X20/300X20
C2,4	400X15/200X20
C3,1	200X10/260X20
C3,2	160X10/180X20
C3,3	220X10/250X20
C3,4	180X10/250X20
C4,1	440X15/200X20
C4,2	440X15/220X20
C4,3	440/500X15/240X20
C5,1	300X10/240X20
C5,2	200X10/200X20
C5,3	200X10/200X10
C6	220X10/150X20



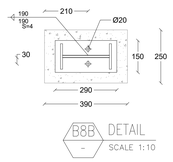
B7A DETAIL @ AXIS 1
SCALE 1:10



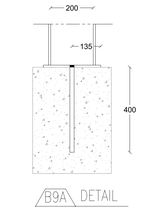
B10A DETAIL
SCALE 1:10



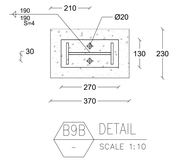
B8A DETAIL
SCALE 1:10



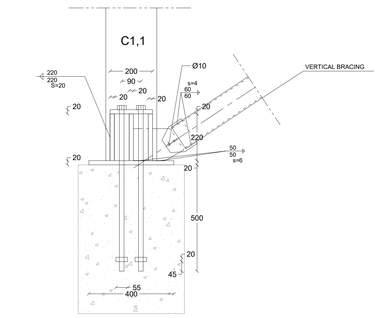
B8B DETAIL
SCALE 1:10



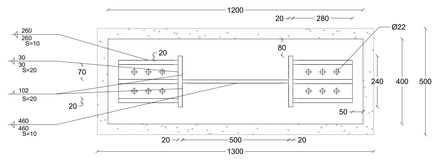
B9A DETAIL
SCALE 1:10



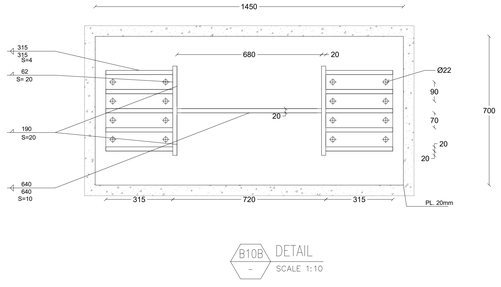
B9B DETAIL
SCALE 1:10



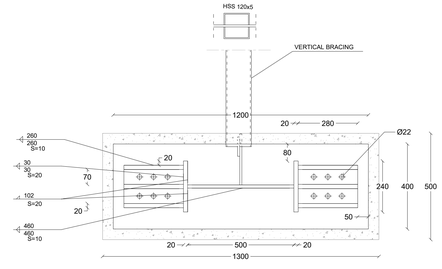
B7A DETAIL @ AXIS 2
SCALE 1:10



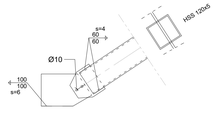
B7B DETAIL @ AXIS 1
SCALE 1:10



B10B DETAIL
SCALE 1:10



B7B DETAIL @ AXIS 2
SCALE 1:10



B7 VERTICAL BRACING DETAIL @ AXIS 2
SCALE 1:10

NOTES:–

1– ALL BOLTS ARE BEARING BOLTS
2– ALL BOLTS ULTIMATE STRESS ARE 10.9 tons/cm2
3– USED MINIMUM BOLT DIAMETER OF 20 MM
4 ALL BASE PLATES OF THICKNESS 20 MM
EXCEPT THAT OF END GABLE COLUMNS
5– THE PEDESTAL IS WIDER THAN STEEL PLATE
WITH 50 MM IN ALL COLUMN BASES
EXCEPT END GABLE COLUMNS
6– ALL BASE CONNECTIONS ARE SYMETRIC
IN WELD , BOLTS AND STIFFENERS

CAIRO UNIVERSITY
FACULTY OF ENGINEERING
FOURTH YEAR CIVIL
STEEL PROJECT

UNIT #:
INDUSTRIAL BUILDING 5A–1

DESIGN BY:
AHMED MOHAMED YASSIN YOUNES

DRAWING TITLE:
BASE CONNECTIONS

DWG. NO. 011

SCALE 1:10

D
B
A
2
1