

TYPICAL DETAILS OF BAR ARRANGEMENT

1. FOUNDATION BEAM (TIE BEAM)

(1) LARGER THAN FOOTING DEPTH

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION A-A

(2) SAME DEPTH AS FOOTING

60 CV
25
75
100/150 IF WITH PILES

STIRRUP @ 200 MAX

SECTION B-B

2. BEAM

(1) TRANSITION OF DIFFERENT BEAM

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION A-A

(2) SIDE FACE BAR

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION C-C

3. COLUMN TO BEAM

(1) COLUMN TOP

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION A-A

(2) MIDDLE (COLUMN OF DIFFERENT SECTION)

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION B-B

4. COLUMN TO BEAM

(1) COLUMN TOP

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION A-A

(2) MIDDLE (COLUMN OF DIFFERENT SECTION)

60 CV
25
75
100 CV IF WITH PILES

STIRRUP @ 200 MAX

SECTION B-B

5. NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DWG. NO. 165-4-CSTD-001 TO 003.
- LAPS IN BARS IN ANY MEMBER SHALL BE STAGGERED. (EXCEPT FOR COLUMNS).
- TIES SHALL BE ARRANGED SUCH THAT EVERY CORNER AND ALTERNATE LONGITUDINAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE, STIRRUP OR THE STIRRUP OF TIES.
- NO BAR SHALL BE FARTHER THAN 150 MM CLEAR ON EACH SIDE ALONG THE TIE FROM SUCH A LATERALLY SUPPORTED BAR.

(1)

22-#4
OR
-#4 @200c/c
MAX OR AVERAGE PITCH OF BAR C/C 200mm
DEFORMED BAR, DIAMETER 12mm
NOS OF BAR, 22 NOS

EXAMPLE (1)-1

#4@300c/c
22-#4
#4@150c/c

EXAMPLE (2)

3-#5
2-#4
3-#6
TIES : #3@150c/c

(2) TIES :

25-#3
OR
-#3 @150c/c
MAX OR AVERAGE PITCH OF BAR C/C 150mm
DEFORMED BAR, DIAMETER 10mm
NOS OF BAR

EXAMPLE (1)-2

#5@225c/c
1300

Diagram illustrating the cross-section of a foundation wall and footing. The footing is 50 (TYP) thick. The wall is 100 (TYP) thick. The footing is labeled "LEVELING CONCRETE". The wall is labeled "PROTECTIVE COAT (BITUMEN)". The ground level is indicated by "▽ G.L.". Dimensions are given in parentheses as typical values.

ANCHOR BOLTS

GROUTING AREA

30x25 DRAIN DITCH
TO BE ORIENTED TOWARD
(THE NEAREST CATCH BASIN)

25 mm
THICKNESS GROUT

BASE PLATE

EDGE DISTANCE > 75mm

SETTING LEVEL

CHAMFER

1 (TYP)

25 mm
THICKNESS GROUT

Figure 1 consists of two diagrams, (a) and (b), illustrating reinforcement details for a slab.

Diagram (a) is a plan view of a rectangular slab. It shows a diamond-shaped arrangement of stirrups, with a laterally supported bar running horizontally across the center. The stirrups are indicated by a callout: "STIRRUPS INDICATED ON THE DESIGN DRAWING". The distance between the stirrups is labeled "150mm MAX (NOTES 3)". The laterally supported bar is labeled "LATERALLY SUPPORTED BAR". The ties are labeled "#3 - TIES (NOTES 4)".

Diagram (b) is a section view of the slab. It shows the vertical placement of the laterally supported bar and the stirrups. The distance between the stirrups is labeled "150mm MAX (NOTES 4)". The laterally supported bar is labeled "LATERALLY SUPPORTED BAR". The ties are labeled "#3 - TIES (NOTES 4)".

MINIMUM HANGER REINFORCEMENT
MINIMUM REINFORCEMENT FOR TOP
HANGER BAR SHALL BE 1/3 OF
CONTINUOUS/DISCONTINUOUS SUPPORT REBAR.

AS BUILT

[illegible]