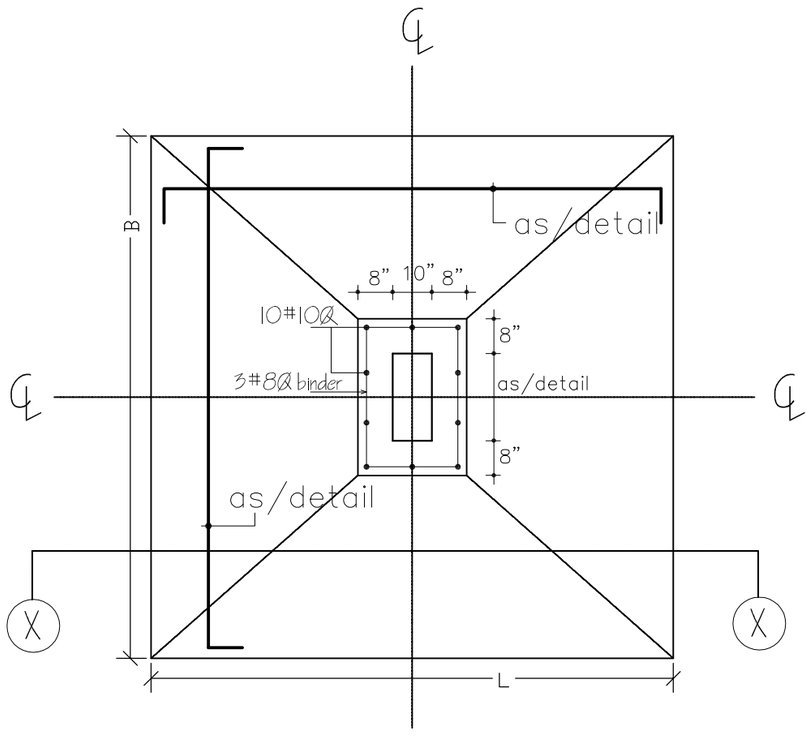
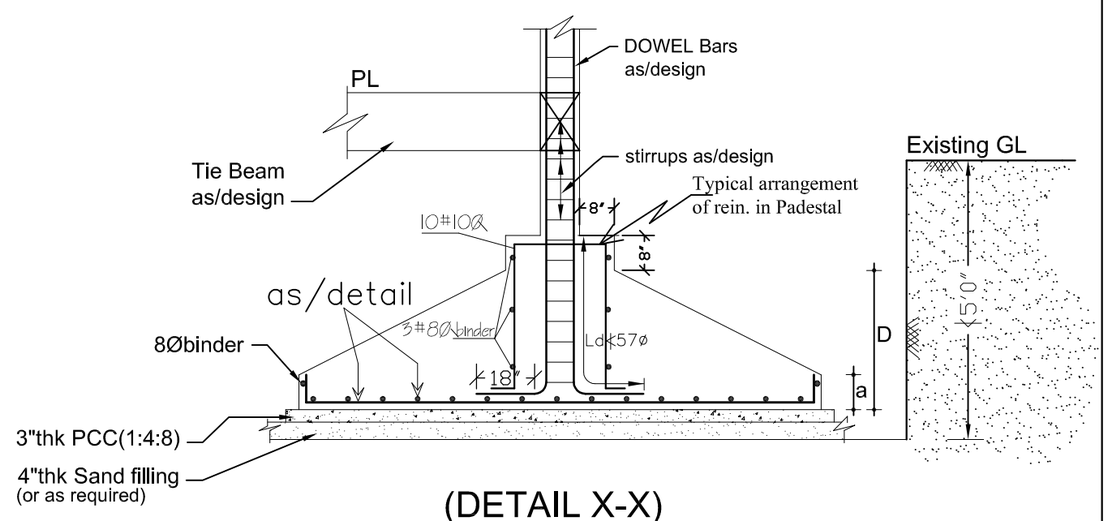
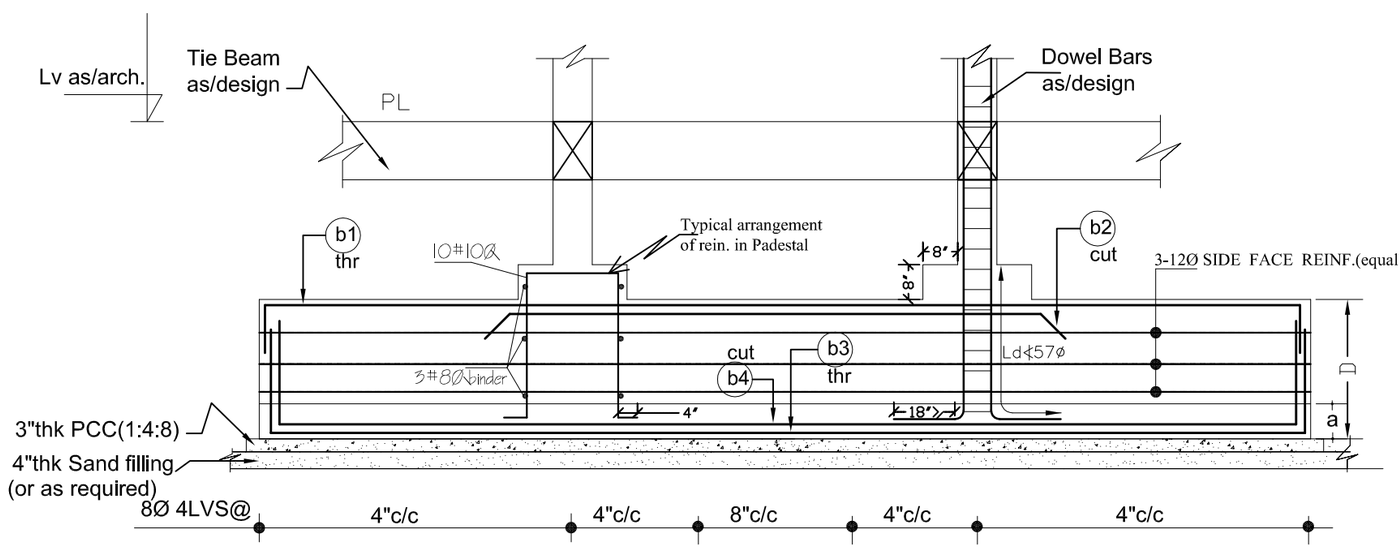


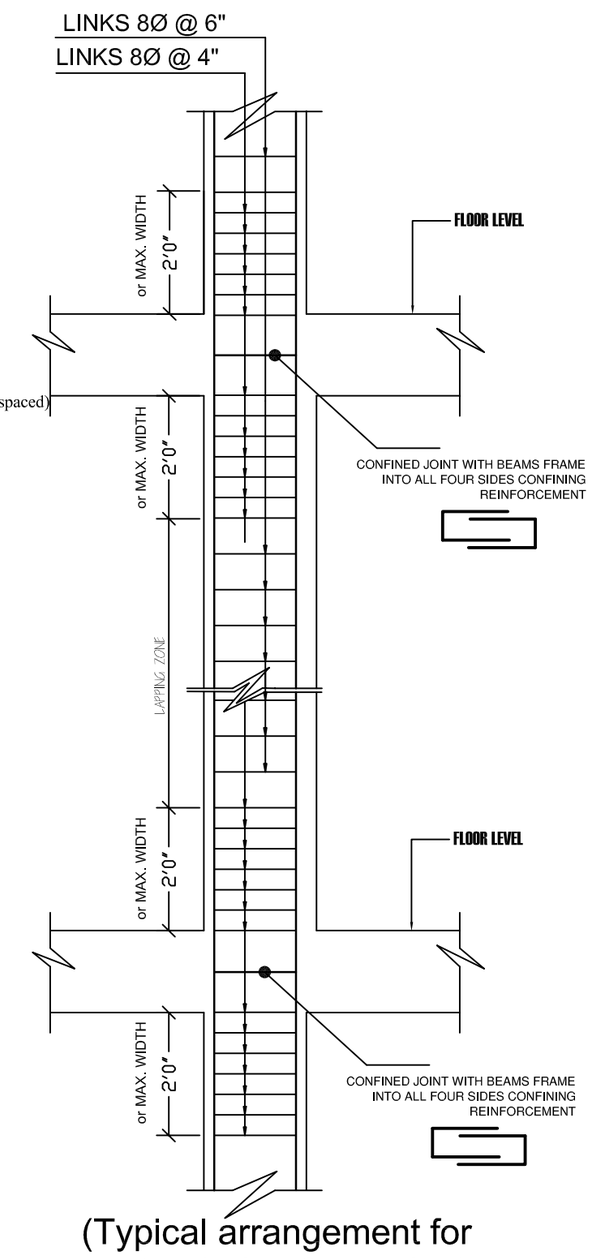


(DETAIL X-X)

TYPICAL DETAIL OF ISOLATED FOOTING



DETAIL OF STRIP FOOTING (typical)



(Typical arrangement for Lateral Ties & Lapping)

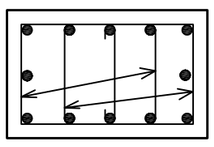
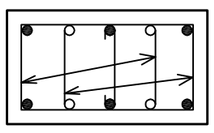
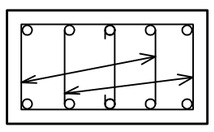
DETAILS OF FOOTING

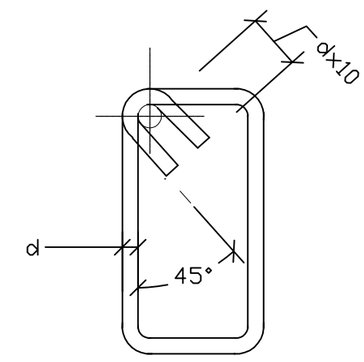
FOOTING	COLUMN NO.	LxB	D	a	ⓜ	ⓢ
F1	C1 C2 C3	9'-0"x91'-10"	24"	10"	10Ø @ 5"C/C	10Ø @ 5"C/C
F2	C2	8'-0"x9'-8"	24"	10"	12Ø @ 4"C/C	12Ø @ 4"C/C
F3	C2	8'-0"x16'-2"	24"	10"	12Ø @ 4"C/C	10Ø @ 4"C/C
F4	C2 C3	8'-0"x27'-10"	24"	12"	10Ø @ 4"C/C	10Ø @ 4"C/C

DETAILS OF STRIP BEAM

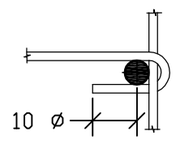
Beam no.	reinforcement of strip footing beam b1	b2	b3	b4	tot
B1	4-20Ø	4-16Ø	4-20Ø	4-160Ø	3
B2	4-16Ø	4-16Ø	4-16Ø	4-160Ø	1

REINFORCEMENT SCHEDULE IN COLUMNS

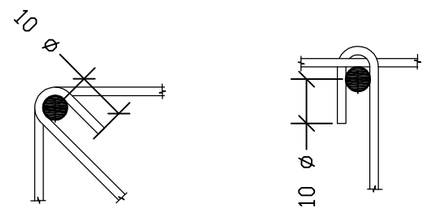
C1 Col. Size (12"x24")		• 12-20Ø 8Ø LINK @ (4" + 6" + 4") c/c	Mix M20 Fe 500
C2 Col. Size 10"x20"		• 6-20Ø ∘ 4-16Ø 8Ø LINK @ (4" + 6" + 4") c/c	Mix M20 Fe500
C3 Col. Size 10"x20"		∘ 10-16Ø 8Ø LINK @ (4" + 6" + 4") c/c	Mix M20 Fe500



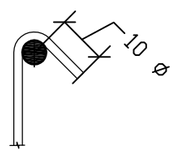
TYP. HOOK DETAIL OF STIRRUPØ



THE HOOK IN OPEN TIES



FOR 135° HOOK FOR 180° HOOK



TYPICAL DETAIL OF HOOKS

THE HOOK IN CLOSED TIES

NOTES:

1> Read this drawing along with architectural & structural drawing.
2> Do not scale, follow written dimensions only.
3> All dimensions & levels shall be checked & co-related with relevant architectural & structural drawing & in case of ambiguity the matter shall be brought to the notice of the consultant before starting the work.
4> Grade of concrete to be used - M20. {as per new IS CODE}
5> Ø for 6mm dia bars indicates for steel with Fy=250 N/sq.mm
Ø for other dia rein. indicates for steel with Fy=415 N/sq.mm
6> Clear cover:- (a) FOOTING - 50mm (b) COLUMN - 40mm
7> Not more than 50% of bars shall be lapped at any section. Lap length shall not be less than 57 times the dia. of smaller bar.
8> Lap should be avoided in following cases :-
Top bars - near support Bottom bars - near mid span
9> Wherever necessary sufficient chairs @ 2'-6" shall be provided tosupport the top reinforcement.
10>Thickness of all slabs are 5" (INCHES) unless noted otherwise.
11>Water curing must be done at least for 21 days.
12>All concrete shall be machine mixed and machine vibrated.
13>All dimensions are in feet and inches unless noted otherwise.

(B+G+4

SHEET TITLE: 2

FOUNDATION LAYOUT &REIN. DETAIL

ARCH.

SCALE: TO FIT | DWG NO.: AS-115-01
DRAWN BY: SHRISHDEO | DATE: 21/02/2019
CHECKED BY: S. KUMAR | DEALT BY:A.P. SINGH

DEVELOPER:-

PROJECT: (MARRIAGE HALL)

CLIENT: SRI ANIL AGARWAL

structural consultant:
S.S CONSULTANT
80 B.U.K
KALKAJI : NEW DELHI-19

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