



NOTES REG. LAPPING OF REBARS IN BEAMS

1. LAPS SHOULD STAGGERED i.e. MORE THAN 50% BARS SHOULD NOT BE LAPPED AT ANY ONE LOCATION

2. THE LOCATION OF LAP FOR TOP & BOT. BARS SHOULD BE BEYOND DISTANCE OF "20" FROM COL. FACE. ALSO IT SHOULD PREFERABLY BE WITHIN L/3 OF SPAN.

3. LAP LENGTH SHOULD BE EQUAL TO DEV. LENGTH FOR GIVEN GRADE OF CONCRETE AND BAR DIAMETER.

4. STIRRUPS SHOULD BE SPACED NOT MORE THAN 150mm IN LAPPING ZONE.

5. LAPPING BARS SHOULD BE PLACED ONE ABOVE THE OTHER AND AFTER LAPPING ZONE BARS SHOULD BE JOGGED SO AS TO HAVE SPECIFIED COVER

GENERAL NOTES

1. ALL DIMENSIONS ARE IN mm AND LEVELS IN METER. (U.N.O.)

2. THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL DRAWINGS, AND SERVICE CONSULTANTS DRGS.

3. DO NOT SCALE THE DRAWING.

4. ANOMALIES IF ANY SHALL BE RESOLVED WITH THE CONSULTANTS PRIOR TO EXECUTION.

5. FOLLOW LATEST REVISION OF ALL RELEVANT DRAWINGS, AND BIS CODES.

6. 'HOLD' MARK MEANS WORK SHALL NOT BE EXECUTED

MATERIAL SPECIFICATIONS

1. SAND, WATER, AGGREGATE SHALL CONFORM TO IS456-2000

2. CEMENT SHALL CONFORM TO OPC 43 IS : 8112, OPC 53 IS : 12269, PPC- IS:1489, PSC- IS:455

3. FLY-ASH SHALL CONFORM TO IS : 3812 AND CHEMICAL ADMIXTURES SHALL CONFORM TO IS : 9103

4. Y INDICATES HIGHYIELD STRENGTH DEFORMED BARS CONFORMING TO IS : 1786 - Fe 500

INSTRUCTIONS TO CONTRACTOR

1. CONTRACTOR SHALL COMPLY WITH ALL THE REQUIREMENTS OF IS : 456 FOR R.C.C. AND P.C.C. WORKS AND IS : 800 FOR ALL STRUCTURAL STEEL WORK

2. CONTRACTOR SHALL TAKE ALL THE NECESSARY PRECAUTIONS DURING EXCAVATION TO PREVENT COLLAPSE OF EXCAVATED PIT SIDES & ENSURE THE SAFETY AND PROTECTION OF ADJOINING EXISTING STRUCTURE (IF ANY)

3. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND SATISFACTORY PERFORMANCE OF THE FORMWORK.

4. ALL THE R.C.C./STRUCTURAL WORK SHALL BE EXECUTED STRICTLY UNDER COMPETENT TECHNICAL SUPERVISION SEPARATELY PROVIDED BY THE OWNER

CLEAR COVER TO REINFORCEMENT-		SHALL BE AS FOLLOWS	
1. FOOTINGS/RAFT/PILECAP	BOTTOM = 50mm.	SIDE = 50mm.	
2. COLUMNS/SHEAR WALLS/ LIFT WALLS	BELOW GR. = 65mm.	ABOVE GR. = 40mm.	
3. FLOOR BEAMS	BOTTOM = 40mm.	SIDE = 25mm.(FOR B < 230mm)	
	TOP = 25mm.	SIDE = 40mm.(FOR B ≥ 230mm)	
4. FLOOR SLABS	BOTTOM = 30mm.	TOP = 30mm.	
5. U/G. TANK/RETAINING WALL	SIDE = 25mm.(FOR B < 230mm)	TOP SLAB=25mm/BOT SLAB=40mm.	
6. O/H. TANK	SIDE = 40mm.(FOR B ≥ 230mm)	TOP SLAB=25mm/BOT SLAB=40mm.	
7. LAP LENGTH (Ld) FOR H.Y.S. DEFORMED BAR (Fe-415)	d = DIA OF BAR		
	50 d FOR M : 25, 35 d FOR M : 40 & ABOVE	LAP LENGTH (Ld) FOR H.Y.S. DEFORMED BAR (Fe-500)	d = DIA OF BAR
	40 d FOR M : 25, 35 d FOR M : 40 & ABOVE		50 d FOR M : 25, 40 d FOR M : 40 & ABOVE
	40 d FOR M : 30,		45 d FOR M : 30,

LEGEND

U.N.O..... UNLESS NOTED OTHERWISE

F.F.L..... FINISHED FLOOR LEVEL

F.G.L..... FINISHED GROUND LEVEL

N.G.L..... NATURAL GROUND LEVEL

TYP..... TYPICAL

T.O.C..... TOP OF CONCRETE

B.O.B..... BOTTOM OF BEAM

B/W..... BOTH WAYS

C..... CENTRE LINE

C/C..... CENTRE TO CENTRE SPACING

SFR..... SIDE FACE REINFORCEMENT

INV..... INVERTED BEAM

R/S..... REGULAR W.R.T. SUNK

Ld..... DEVELOPMENT LENGTH

E/F..... EACH FACE

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EPICONS CONSULTANTS PVT. LTD.

EVOLUTION PLANNING INVESTIGATION CONCRETE AND STEEL

CONSULTING CIVIL AND STRUCTURAL ENGINEERS

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