



**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 JOGGLED SO AS TO HAVE SPECIFIED COVER.

**MINIMUM TESTING REQUIREMENT, CONTINUOUS SUPERVISION & ADDITIONAL TESTING FOR DURABILITY (RECOMMENDED).**

REFER SEPARATE DOCUMENT FORMAT NO. ECPL/MTR/R-1 ALONG WITH ANNEXURE 1.

**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/BEAM WALLS/ LIFT WALLS	BELOW GR. = 65mm.	ABOVE GR. = 40mm.
3. FLOOR BEAMS	BOTTOM = 40mm.	SIDE = 30mm.(FOR B <230mm)
	TOP = 30mm.	SIDE = 40mm.(FOR B >230mm)
4. FLOOR SLABS	BOTTOM = 30mm.	TOP = 30mm.
5. U/G. TANK/RETAINING WALL	SIDE=30mm.(FOR B <230mm)	TOP SLAB=30mm/BOT SLAB=40mm.
6. O/H. TANK	SIDE=40mm.(FOR B >230mm)	TOP SLAB=30mm/BOT SLAB=40mm.
7. LAP LENGTH (Ld) FOR H.Y.S. DEFORMED BAR (Fe-415)	d = DIA OF BAR	
	50 d FOR M : 20, 35 d FOR M : 35,	
	45 d FOR M : 25, 35 d FOR M : 40 & ABOVE	
	40 d FOR M : 30,	
8. LAP LENGTH (Ld) FOR H.Y.S. DEFORMED BAR (Fe-500)	d = DIA OF BAR	
	60 d FOR M : 20, 40 d FOR M : 35,	
	50 d FOR M : 25, 40 d FOR M : 40 & ABOVE	
	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

THIS DRAWING IS THE SOLE PROPERTY OF M/s. EPICONS CONSULTANTS PVT. LTD. AND SAME SHALL NOT BE COPIED/USED REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

T.O.C..... TOP OF CONCRETE	SFR..... SIDE FACE REINFORCEMENT
B.O.B..... BOTTOM OF BEAM	INV..... INVERTED BEAM
B/W..... BOTH WAYS	R/S..... REGULAR W.R.T. SUNK
C..... CENTRE LINE	Ld..... DEVELOPMENT LENGTH
C/C..... CENTRE TO CENTRE SPACING	E/F..... EACH FACE

DRG. NO. STD-01

JYOTI ESTATE CO-HOUSING SOC. LTD.  
UNIT NO. 401, 4TH FLOOR, NEXT TO JASLOK SWEET, SAHAR ROAD, ANDHERI EAST  
MUMBAI-400 069  
TEL.26826225,26826215  
E-mail: dadarunit@epicons.com

**EPICONS CONSULTANTS PVT. LTD**  
EVOLUTION PLANNING INVESTIGATION CONCRETE AND STEEL  
CONSULTING CIVIL AND STRUCTURAL ENGINEERS  
ISO 9001:2015 CERTIFIED COMPANY

DRG. TITLE:-  
**TYPICAL DETAILS & NOTES**

DSG BY	DRN BY	CHD BY	APPD BY
R.D.D.	AJAY	R.D.D.	R.D.D.

NORTH

JOB NO. ---  
ITEM:- STD  
SCALE:- N.T.S.  
CAD FILE:- STD-01  
DRG. NO. STD-01  
REV. R-01

DATE :-  
JAN 2023