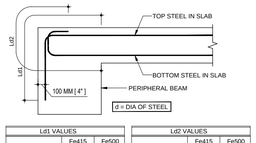


AT PERIMETER OF P-T SLAB (IF BEAM IS NOT PROVIDED)

1 TYPICAL DETAIL OF HIDDEN BEAM (U.N.O)

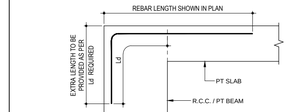


Ld1 VALUES		
	Fe415	Fe500
M-30	38 X d	45 X d
M-35	33 X d	40 X d
M-40 & ABOVE	30 X d	36 X d

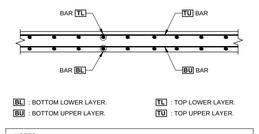
Ld2 VALUES		
	Fe415	Fe500
M-30	30 X d	36 X d
M-35	27 X d	32 X d
M-40 & ABOVE	24 X d	29 X d

NOTE:- PROVIDE 10 X d EXTRA FOR DUCTILE DETAILING.

2 DETAIL AT SLAB & BEAM JUNCTION
(FROM WHERE STRESSING NEED TO PERFORM)



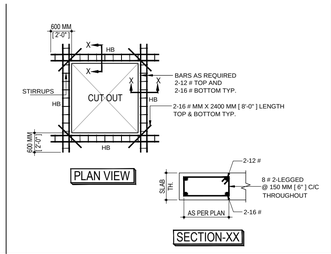
2A TOP REBAR CUTTING LENGTH DETAIL



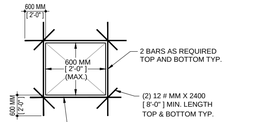
BL : BOTTOM LOWER LAYER. TL : TOP LOWER LAYER.
BU : BOTTOM UPPER LAYER. TU : TOP UPPER LAYER.

NOTES:-
(1) PLACE BAR BL FIRST ON TOP OF THE SHUTTERING AND THEN PLACE BAR BU ON TOP OF BAR BL
(2) PLACE BAR TL FIRST & THEN PLACE BAR TU ON TOP OF BAR TL

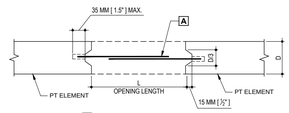
3 PT SLAB CONTINUOUS STEEL PLACEMENT DETAIL



4 DETAIL FOR CUTOUT IN SLAB (GREATER OR EQUAL TO 600mm [2'-0"])



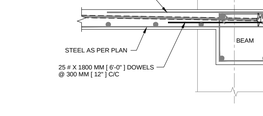
5 DETAIL FOR CUTOUT IN SLAB (LESS THAN 600mm [2'-0"])



FOR, L < 600 [2'-0"], A = 8 # @ 150 MM [6"] C/C,
600 MM [2'-0"] ≤ L < 1200 [4'-0"], A = 10 # @ 150 MM [6"]C/C,
1200 MM [4'-0"] ≤ L ≤ 1800 [6'-0"], A = 12 # @ 100 MM [4"]C/C

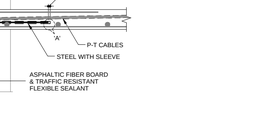
NOTE : PROPER WATER PROOFING MUST BE ENSURED AT JOINTS AS PER ADVICE FROM SPECIALIZED AGENCIES BEFORE CASTING IN CUTOUT.

6 CUT OUT FILLING REBAR DETAIL



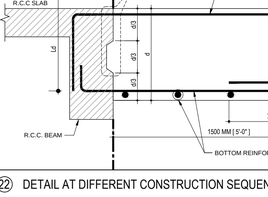
NOTE:- OTHER REINFORCEMENT DETAIL NOT SHOWN FOR CLARITY.

7 DETAIL SHOWING SLAB REINFORCEMENT PLACEMENT AT DIFFERENT SLAB THICKNESS CONDITION



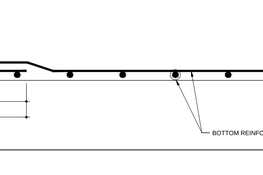
NOTE:- OTHER REINFORCEMENT DETAIL NOT SHOWN FOR CLARITY.

8 DETAIL FOR LEVEL DROP IN SLAB TOP



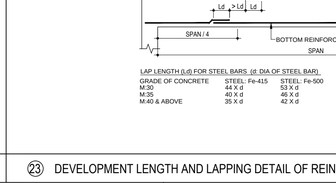
9-A AT EXTERNAL SHEAR WALL

* = IN CASE OF SUNKEN PORTION, TOP REBARS MAY BE AVOIDED AS PER SITE CONDITION.

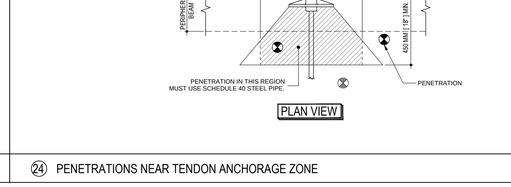


9-B AT INTERNAL SHEAR WALL

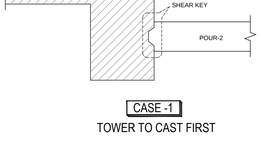
9 REINFORCEMENT DETAIL IN PT SLAB AT R.C.C. WALL



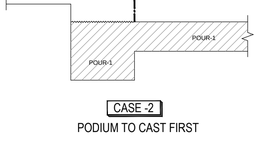
10 TYPICAL DETAIL OF DOWELS AT CONSTRUCTION JOINT



11 DETAIL OF REINFORCEMENT AT SHEAR KEY AT CONCRETE POUR JOINT



EXTRA BOTTOM BAR PARALLEL TO BL / TL

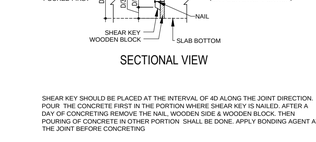


EXTRA BOTTOM BAR PARALLEL TO BU / TU

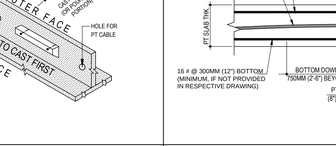
BL = BOTTOM LOWER LAYER.
BU = BOTTOM UPPER LAYER.
TL = TOP LOWER LAYER.
TU = TOP UPPER LAYER.

NOTE : ALL BOTTOM BAR (CONTINUOUS + EXTRA BOTTOM) SHALL BE LAID IN TWO LAYER ONLY.

12 EXTRA TOP & BOTTOM REBAR LAYER DETAIL



13 TYPICAL ARRANGEMENT FOR TOP REINFORCEMENT PLACEMENT



14 REINFORCEMENT DETAIL AT POUR STRIP OR COMPENSATORY STRIP



NOTE:- CHAIRS NOT SHOWN FOR CLARITY PURPOSE
T1 - SLAB THICKNESS (REFER FORMING PLAN)
T2 - CLEAR DEPTH OF DROPCAP (REFER FORMING PLAN)

15 REINFORCEMENT DETAIL OF CENTRAL DROP PANEL

NOTE:- CHAIRS NOT SHOWN FOR CLARITY PURPOSE
T1 - SLAB THICKNESS (REFER FORMING PLAN)
T2 - CLEAR DEPTH OF DROPCAP (REFER FORMING PLAN)

16 REINFORCEMENT DETAIL OF ONE SIDE DROP PANEL

FOR Ld - REFER STRUCTURAL DRAWING.

17 DETAIL AT RCC WALL & PT SLAB JUNCTION

NOTE:- CHAIRS NOT SHOWN FOR CLARITY PURPOSE
T1 - SLAB THICKNESS (REFER FORMING PLAN)
T2 - CLEAR DEPTH OF DROPCAP (REFER FORMING PLAN)
TL = TOP REINFORCEMENT LOWER LAYER.
TU = TOP REINFORCEMENT UPPER LAYER.

BL = BOTTOM LOWER LAYER.
(P1) = PRESTRESSING CABLE TO BE INSTALL FIRST.
TL = TOP REINF. LOWER LAYER TO BE PLACES AFTER INSTALLATION OF (P1)
(P2) = PRESTRESSING CABLE TO BE PLACED AFTER PLACING OF TL
TU = TOP REINF. UPPER LAYER SHALL BE PLACED LAST AFTER INSTALLATION OF (P2)

18 TYPICAL TOP REINFORCEMENT PLACEMENT INTERIOR SLAB-COLUMN JUNCTION DETAIL

REFER PLAN FOR LOCATION & QUANTITY

19 EXTRA ANTI-BURST REINFORCEMENT REQUIRED FOR CABLES GOING THROUGH STEPS (LEVEL DROPS) DENOTED

20 CLEAR SPACING OF LAP-SPLICED BARS (STAGGERED)

NOTE : REFER STRUCTURAL / ARCHI DRAWINGS FOR VALUE OF 'D E'

(DE = EXPANSION GAP)

21 TYPICAL EXPANSION JOINT DETAIL

22 DETAIL AT DIFFERENT CONSTRUCTION SEQUENCE

23 DEVELOPMENT LENGTH AND LAPPING DETAIL OF REINFORCEMENT IN PT SLAB

LAP LENGTH (Ld) FOR STEEL BARS (d: DIA OF STEEL BAR)

GRADE OF CONCRETE	STEEL: Fe-415	STEEL: Fe-500
M-30	44 X d	53 X d
M-35	40 X d	46 X d
M-40 & ABOVE	35 X d	42 X d

24 PENETRATIONS NEAR TENDON ANCHORAGE ZONE

CASE -1
TOWER TO CAST FIRST

CASE -2
PODIUM TO CAST FIRST

25 DETAIL OF DIFFERENT CONSTRUCTION SEQUENCE

SHEAR KEY SHOULD BE PLACED AT THE INTERVAL OF 4D ALONG THE JOINT DIRECTION. POUR THE CONCRETE FIRST IN THE PORTION WHERE SHEAR KEY IS NAILED. AFTER A DAY OF CONCRETING REMOVE THE NAIL, WOODEN SIDE & WOODEN BLOCK. THEN POURING OF CONCRETE IN OTHER PORTION SHALL BE DONE. APPLY BONDING AGENT AT THE JOINT BEFORE CONCRETING

26 TYPICAL DETAIL AT CONSTRUCTION JOINT OR POUR STRIP FACES FOR PT SLAB & PT BEAM

27 TYPICAL DETAIL OF SLAB - WALL CONNECTION

1 STANDARD REINFORCEMENT DETAIL FOR P-T SLAB

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SHEET TITLE:
STANDARD DETAIL P-T SLAB

SHEET NO:
PTSG-0-3

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