

MEMBER (SINCE 2012) POST-TENSIONING INSTITUTE

GENERAL NOTES :

1. THIS DRAWING IS BASED ON DESIGN OF GRAVITY LOADING ONLY. (SEISMIC, WIND & ANY OTHER LATERAL LOADING IS NOT CONSIDERED).
2. CONSULT EOR / PTSG PRIOR TO MAKING ANY PUNCTURE IN UNBONDED P.T SLAB OR P.T BEAM.
3. THIS DRAWING IS PART OF A SET OF DRAWING FOR THIS PROJECT AND SHALL NOT BE CONSIDERED VALID UNLESS IT IS ACCOMPANIED BY THE COMPLETE SET OF DRAWINGS.
4. PT, STRUCTURAL & ARCH. DRAWINGS SHALL BE STUDIED AND FOLLOWED IN ACCORDANCE WITH EACH OTHER & ANY AMBIGUITY IF FOUND SHALL BE REPORTED IN WRITING BEFORE EXECUTION.
5. PTSG ISNT RESPONSIBLE FOR CENTERING, CURING, FABRICATION, WELDING, DRAWINGS MISUNDERSTANDING.
6. PTSG ISNT RESPONSIBLE FOR QUALITY OF MATERIALS LIKE CONCRETE, NON PRESTRESSED STEEL, PROPS, WOODEN SIDES, ETC. EXCEPT POST TENSIONING MATERIALS.
7. THIS DRAWING IS PROPERTY OF PTSG AND SHOULD NOT BE USED WITHOUT PRIOR PERMISSION.
8. ALL CONCRETING TO BE DONE USING CONCRETE MACHINE MIXER & VIBRATOR ONLY.
9. COLUMN SIZES SHALL BE RECOMMENDED BY STRUCTURAL ENGINEER.
10. DO NOT PROVIDE CAMBER IN THE FORMWORK / SHUTTERING OF ANY P-T ELEMENT WITHOUT CONSENT OF PTSG.
11. CUTOUT IN R.C.C. SLAB PANELS WHICH ARE ADJACENT TO PT BEAM SHALL NOT BE ALLOWED AFTER CONSTRUCTION.
12. STRUCTURAL ENGINEER SHALL APPROVE ALL THE DIMENSIONS PRIOR TO EXECUTION OF FORMWORK.
13. CONVENTIONAL REINFORCEMENT DETAIL SHALL BE APPROVED & CHECKED ON SITE BY STRUCTURAL ENGINEER.
14. SHUTTERING CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS WITH ARCHI. AS PER THE DRAWINGS FROM PTSG & SUPERVISE THE DIMENSIONS OF FORMWORK AND GET IT CHECKED FROM STRUCTURAL ENGINEER.
15. ALL CENTER LINE DIMENSIONS AS PER PT / STRUCTURAL / ARCHI. DRAWINGS / DETAILS.
16. STEEL DENOTED AS # CONFIRMING TO IS: 1786.
17. SLAB LEVEL SHALL BE REFERED TO ARCHI. DRAWING.
18. SHUTTERING BELOW P.T PORTION MUST NOT BE REMOVE UNTILL DE-SHUTTERING APPROVAL GIVEN BY PTSG THROUGH MAIL OR WRITTING.
19. ARCH. / STRUCTURAL ENGINEER SHALL INFORM US IN CASE OF CHANGE IN THE POSITION OF WALL.
20. SLAB BEAMS SHALL BE PLACED UNDER THE WALLS TO BE CONSTRUCTED.
21. RCC BEAMS SHALL BE DESIGNED WITH THE IMPOSED LOAD OF WALLS AS PER ARCHI. DRAWING.
22. SHUTTERING OF POUR STRIP CAN BE REMOVED AFTER 20 DAYS OF CONCRETE POURED IN POUR STRIP.
23. BACK PROPPING (RE-PROPPING) SHALL BE PROVIDED AS PER SECTION SHOWN IN FORMING PLAN BOTHWAYS BELOW POUR STRIP AFTER REMOVAL OF SHUTTERING TILL THE CONCRETE OF POUR STRIP REACHES 28 DAYS STRENGTH.
24. E.O.R.=ENGINEER OF RECORDS (STRUCTURAL CONSULTANT OF THE PROJECT).

SPECIFICATION OF P-T SYSTEM :

DESCRIPTION: 7 PLY LRPC CABLE WITH 12.9 MM NOMINAL DIA.
ULTIMATE TENSILE STRENGTH: 1860 MPa
JACKING FORCE: 149 kN
SYSTEM: ENCAPSULATED MONOSTRAND UNBONDED P-T SYSTEM

PROJECT:

Acme
Thane Mumbai

LOADING & MATERIAL CRITERIA :

CREEP FACTOR : 1.6	
LIVE LOAD : 2.5 KN/M^2	FLOOR FINISH : 1.5 KN/M^2
GRADE OF CONCRETE :	GRADE OF STEEL :
FOR PT ELEMENT : M35 (RMC)	MAIN REINFORCEMENT : Fe500D
FOR R.C.C. ELEMENT : M35 (RMC)	STIRRUPS : Fe415

COVER TO MAIN REINFORCEMENT:

PT SLAB : 25 MM (TOP & BOTTOM)
PT BEAM : 40 MM (TOP & BOTTOM)

LEGEND

XXX	CGS HEIGHT

NOTES:
1). TENDONS' HEIGHT AT SUPPORTS AND MID SPANS ARE IN MM.
2). CGS VALUES SHALL BE MEASURED FROM BOTTOM OF RESPECTIVE ELEMENT.
3). TOTAL LOSS OF PRESTRESS DUE TO UNREPLACED BROKEN PRESTRESS STEEL SHALL NOT EXCEED 2 % OF TOTAL PRESTRESS AS PER ACI 318-05 CLAUSE 18.20.4

NO.	DATE	DESCRIPTION
R0	28 AUG, 2023	FOR REVIEW ONLY

REVISIONS :

STRUCTURAL CONSULTANT :

LLP IDENTITY NO. : AAA-3310
PARTNERSHIP WITH LIMITED LIABILITY

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DRAWN BY:	NDP	PROJECT NO:	9-4405
DESIGNED BY:	OMN/OMN	DATE:	14 SEP, 2022
CHECKED BY:	ARS	SHEET SIZE:	A1

DRAWING TITLE : 1st. BASEMENT FLOOR LEVEL

SHEET TITLE: P-T TENDON CGS HEIGHT

SHEET NO: PTSG-1B-4A

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P: \01_Projects Projects old 2_PTSI_Drafting_Standards Templates_New_Metric Plan Scale SCALE-1-50 PTSI-9153001D.dwg Plotted: 01/10/2015 - 4:13 PM by rmehta