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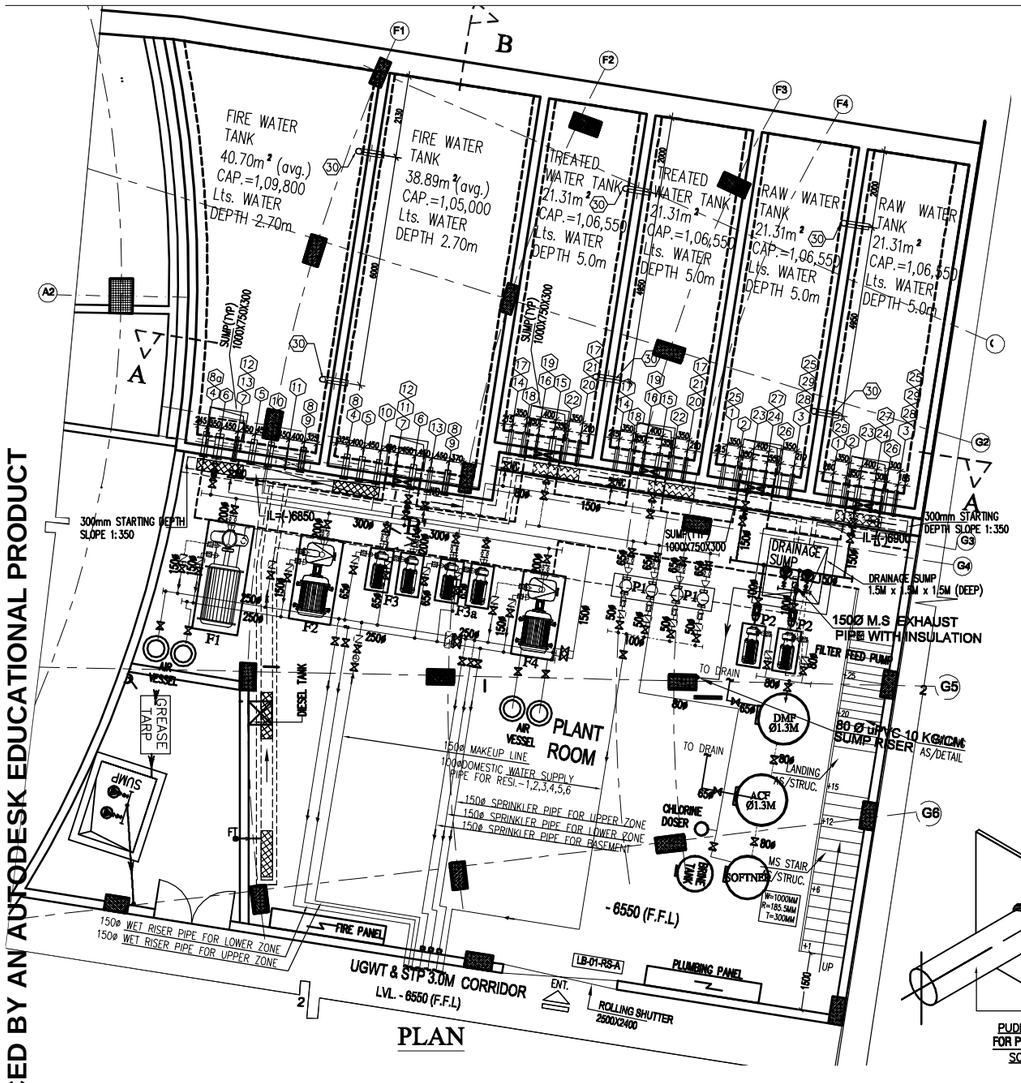
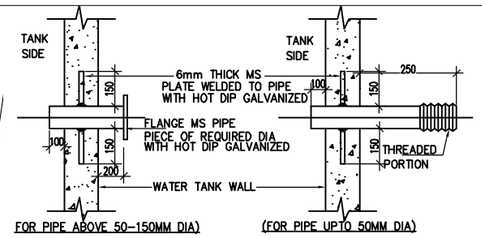
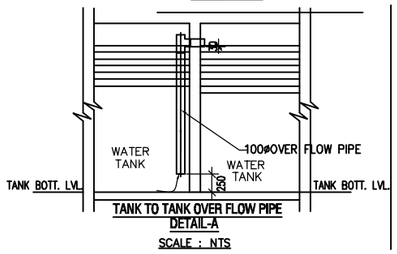


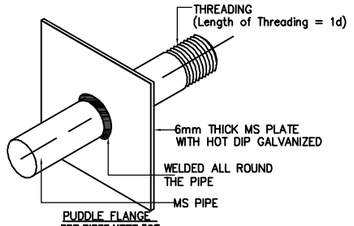

PLAN



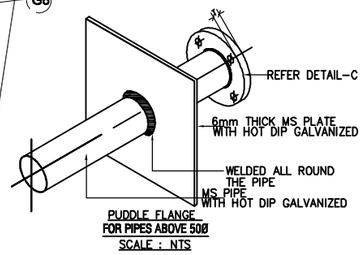

DETAIL OF PUDDLE FLANGE
SCALE : NTS



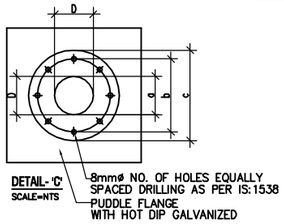

TANK TO TANK OVER FLOW PIPE DETAIL-A
SCALE : NTS




PUDDLE FLANGE FOR PIPES UPTO 50Ø
SCALE=NTS




PUDDLE FLANGE FOR PIPES ABOVE 50Ø
SCALE : NTS




DETAIL- 'C'
SCALE=NTS

| PUDDLE FLANGE NO. | DESCRIPTION | SIZE OF PIPE | LEVEL IL OF PIPE | QTY. OF PUDD FLANGE |
|---|---|---|---|---|
| | **FIRE WATER TANK** | | | |
| 4. | PUDDLE FLANGE FOR FIRE BRIGADE INLET CONNECTION | 150ø | (–)375 | 2 Nos. |
| 5. | PUDDLE FLANGE FOR FIRE WITHDRAWAL CONNECTION | 150ø | (–)375 | 2 Nos. |
| 6. | PUDDLE FLANGE FOR SUCTION PIPE | 200ø | (–)3425 | 2 Nos. |
| 7. | PUDDLE FLANGE FOR DRAIN OUT | 50ø | (–)3525 | 2 Nos. |
| 8. | PUDDLE FLANGE FOR VENT | 100ø | (+)700 | 3 Nos. |
| 8a. | PUDDLE FLANGE FOR VENT | 100ø | (+)200 | 1 Nos. |
| 9. | PUDDLE FLANGE FOR OVER FLOW FIRE TANK TO TREATED WATER TANK | 150ø | (–)525 | 2 Nos. |
| 10. | PUDDLE FLANGE FOR PUMP TESTING INLET | 150ø | (–)375 | 2 Nos. |
| 11. | PUDDLE FLANGE FOR LEVEL INDICATOR (TOP) | 25ø | (–)475 | 2 Nos. |
| 12. | PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM) | 25ø | (–)3025 | 2 Nos. |
| 13. | PUDDLE FLANGE FOR INLET PIPE | 80ø | (–)375 | 2 Nos. |
| 30. | PUDDLE FLANGE FOR OVER FLOW TANK TO TANK | 100ø | (–)550 | 2 Nos. |
| | **TREATED WATER TANK** | | | |
| 14. | PUDDLE FLANGE FOR INLET PIPE | 80ø | (–)375 | 2 Nos. |
| 15. | PUDDLE FLANGE FOR SUCTION | 150ø | (–)5675 | 2 Nos. |
| 16. | PUDDLE FLANGE FOR DRAIN OUT | 50ø | (–)5825 | 2 Nos. |
| 17. | PUDDLE FLANGE FOR VENT | 100ø | (+)850 | 4 Nos. |
| 18. | PUDDLE FLANGE FOR OVER FLOW FROM FIRE TANK | 100ø | (–)525 | 2 Nos. |
| 19. | PUDDLE FLANGE FOR LEVEL CONTROLLER | 25ø | (–)475 | 2 Nos. |
| 20. | PUDDLE FLANGE FOR LEVEL INDICATOR (TOP) | 25ø | (–)475 | 2 Nos. |
| 21. | PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM) | 25ø | (–)5325 | 2 Nos. |
| 22. | PUDDLE FLANGE FOR OVER FLOW TO PLANT ROOM | 100ø | (–)425 | 2 Nos. |
| 30. | PUDDLE FLANGE FOR OVER FLOW TANK TO TANK | 100ø | (–)550 | 2 Nos. |
| | | | | |
| | **RAW WATER TANK** | | | |
| 1. | PUDDLE FLANGE FOR MUNICIPAL CONNECTION | 100ø | (–)375 | 2 Nos. |
| 2. | PUDDLE FLANGE FOR BORE WELL CONNECTION | 100ø | (–)375 | 2 Nos. |
| 3. | PUDDLE FLANGE FOR TANKER CONNECTION | 150ø | (–)375 | 2 Nos. |
| 23. | PUDDLE FLANGE FOR SUCTION PIPE | 150ø | (–)5675 | 2 Nos. |
| 24. | PUDDLE FLANGE FOR DRAIN OUT | 50ø | (–)5825 | 2 Nos. |
| 25. | PUDDLE FLANGE FOR VENT | 100ø | (+)850 | 2 Nos. |
| 25a. | PUDDLE FLANGE FOR VENT | 100ø | (+)350 | 2 Nos. |
| 26. | PUDDLE FLANGE FOR OVER FLOW TO PLANT ROOM | 100ø | (–)425 | 2 Nos. |
| 27. | PUDDLE FLANGE FOR LEVEL CONTROLLER | 25ø | (–)475 | 2 Nos. |
| 28. | PUDDLE FLANGE FOR LEVEL INDICATOR (TOP) | 25ø | (–)475 | 2 Nos. |
| 29. | PUDDLE FLANGE FOR LEVEL INDICATOR (BOTTOM) | 25ø | (–)5325 | 2 Nos. |
| 30 | PUDDLE FLANGE FOR OVER FLOW TANK TO TANK | 100ø | (–)550 | 2 Nos. |

**PLATE SIZE**

| S.NO. | DIA. OF PIPE | SIZE OF PLATE | THICKNESS |
|---|---|---|---|
| 1 | UPTO 150ø | 150+D+150mm | 6mm |
| 2 | 200ø,300ø | 200+D+200mm | 6mm |

a. NOMINAL BORE
b. PCD OF FLANGE
c. OUTER DIAMETER OF FLANGE
D. OUTER DIAMETER OF PIPE
H. HOLE DIAMETER OF FLANGE
T. THICKNESS OF FLANGE

**SCHEDULE OF FLANGES**

FLANGES AS PER IS: 1538 (PART-IV)

| SL NO. | DESCRIPTION | a | b | c | T | H. Dia | NO. OF HOLES |
|---|---|---|---|---|---|---|---|
| 1. | 65ø PIPE | 65ø | 145 | 185 | 18 | 18 | 4 |
| 2. | 80ø PIPE | 80ø | 160 | 200 | 21 | 19 | 4 |
| 3. | 100ø PIPE | 100ø | 180 | 220 | 22 | 19 | 8 |
| 4. | 150ø PIPE | 150ø | 240 | 285 | 23 | 23 | 8 |
| 5. | 200ø PIPE | 200ø | 295 | 340 | 24.5 | 23 | 8 |
| 6. | 250ø PIPE | 250ø | 350 | 395 | 26 | 23 | 12 |
| 7. | 300ø PIPE | 300ø | 400 | 445 | 27.5 | 23 | 12 |

GENERAL NOTES :–

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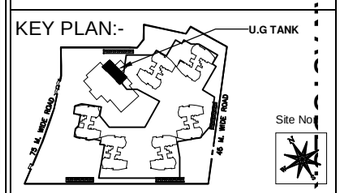
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATIONS AND CONDITIONS OF CONTRACT.
4. ALL DIMENSIONS ARE IN MM
5. ALL DIMENSIONS ARE TO BE READ NOT SCALED.

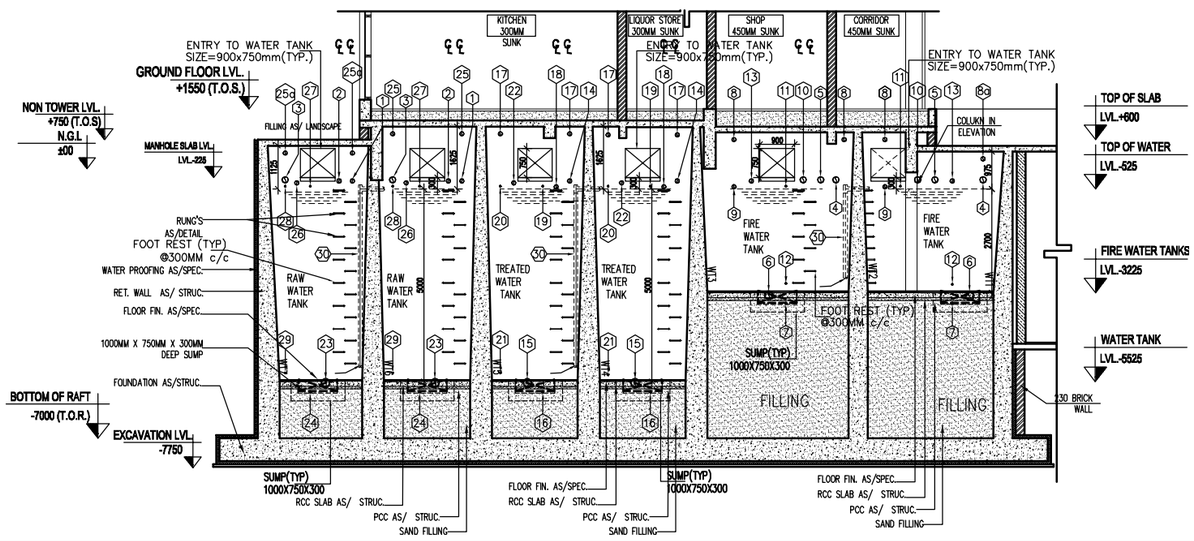
KEY PLAN:-

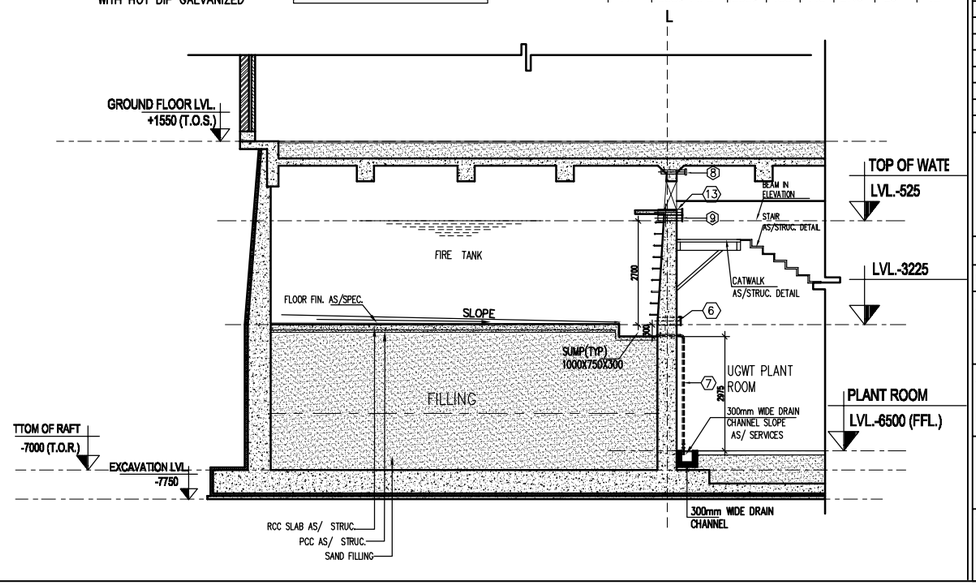



PRINTS ISSUED TO

| QTY. | DESCRIPTION | ISSUE FOR | DATE |
|---|---|---|---|
| 5 | Mr. RAJEEV WALIA | GFC | 13.05.2 |

| REV | DESCRIPTION | DATE |
|---|---|---|
| R0 | GOOD FOR CONSTRUCTION | 13.05.2 |




Drawing Title:-
CLUB (LOTUS 300)
UNDER GROUND WATER TANK
PUDDLE FLANGE DETAIL

| | |
|---|---|
| Approved | C.P.V. |
| Checked | D.NEGI |
| Scale | 1:75 (A1) |
| Dealt | AMAR |
| Date | 24.03.17 |

Drg No :- PL/L300/CLUB/PR-013
Rev No :- R0
North Direction :- N

Project
LOTUS 300
SECTOR 107
NOIDA

Architect
DESIGN & DEVELOPMENT
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Tel: 011-46031500, Fax: 011-41741307

Plumbing and Fire Suppression Sub-Consultants
C P Vidya and Associates
312A, UNITECH ARCADIA, SOUTH CITY-II, SECTOR-49,NEAR PARK HOSPITAL(GURGAON) Haryana-122018 (INDIA)
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