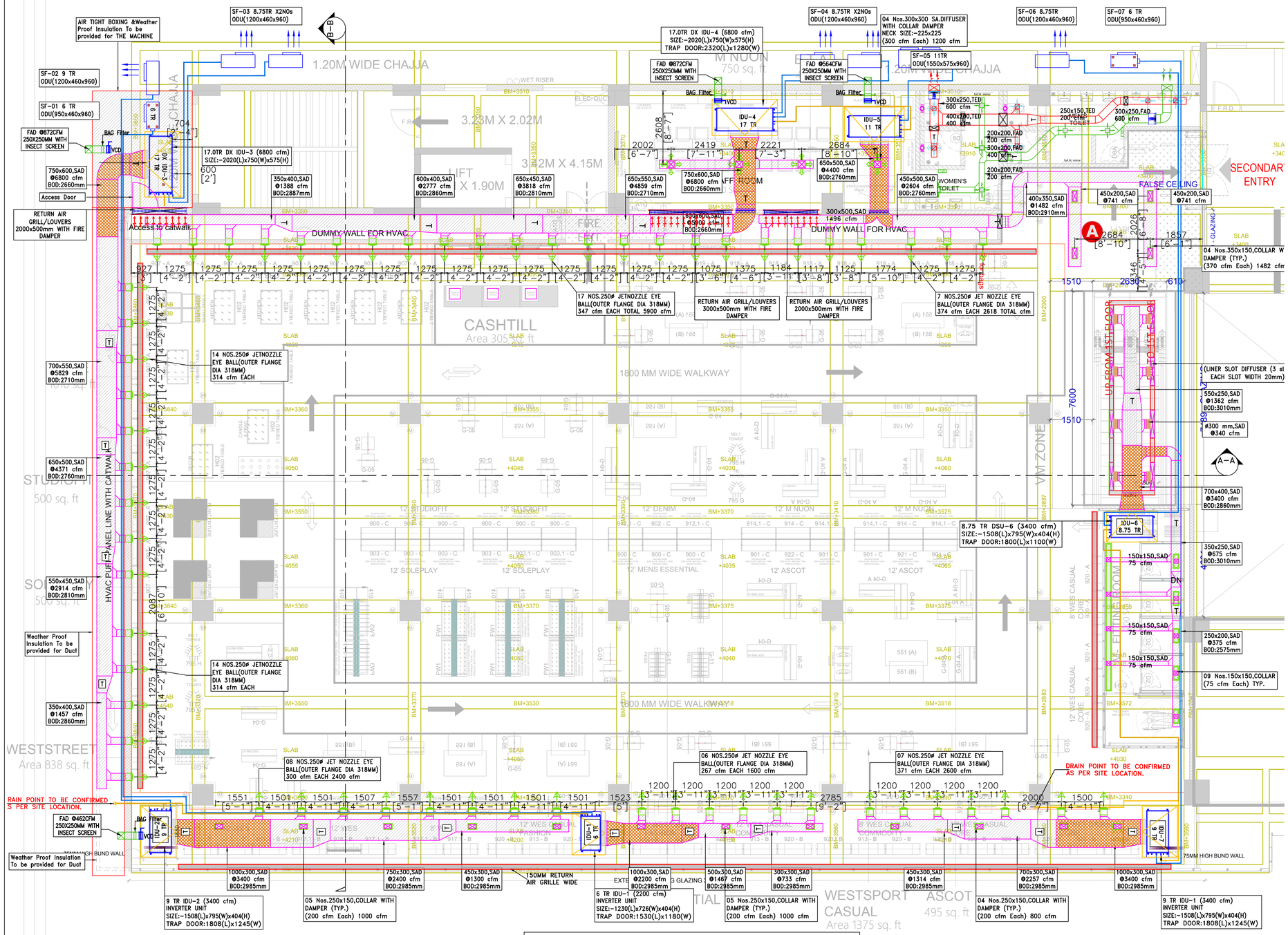
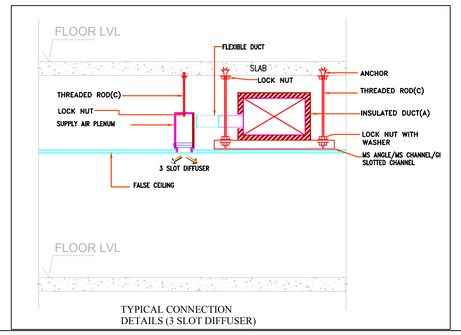



# SECOND FLOOR FOR HVAC PLAN




TYPICAL CONNECTION DETAILS (3 SLOT DIFFUSER)

**NOTE:-ALL JET NOZZLE DIFFUSER TO BE CONNECTED WITH Ø250MM CIRCULAR DUCT**

UNIT SCHEDULE GR. FLOOR (ODU)

| SR No | SIZE (LxWxH) | TR | QTY. | TYP. |
|---|---|---|---|---|
| 1 | 1200x450x960 | 8.75 | 5 Nos. | NON INVERTER |
| 2 | 1550x575x960 | 11.0 | 1 Nos. | NON INVERTER |
| 3 | 1550x575x960 | 9.0 | 2 Nos. | INVERTER |
| 4 | 950x450x960 | 6.0 | 1 Nos. | INVERTER |

UNIT SCHEDULE GR. FLOOR ( DUCTABLE UNIT-IDU)

| SR No | SIZE (LxWxH) | TR | CFM | QTY. | TYP |
|---|---|---|---|---|---|
| 1 | 1508x795x404 | 8.75 | 3400 | 1 Nos. | NON INVERTER |
| 2 | 1820x780x475 | 11.0 | 4400 | 1 Nos. | NON INVERTER |
| 3 | 1508x795x404 | 9.0 | 3400 | 2 Nos. | INVERTER |
| 4 | 2020x750x575 | 17.0 | 6800 | 2 Nos. | NON INVERTER |
| 5 | 1230x726x404 | 6.0 | 2200 | 1 Nos. | INVERTER |

Height Levels (FFL-50mm)

| SR No | Floor | BOSLAB | BOHB | BOLB | BOHFC | BOLFC | BOU | BOD | COSP |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Ground | 13'-1" | 10'-11" | 9'-4" | 10'-6" | 9'-5" | 10'-8" | 11'-0" | - |
| 2 | First | 13'-1" | 11'-2" | 9'-2" | 10'-6" | 9'-5" | 10'-8" | 10'-11" | - |
| 3 | Second | 13'-1" | 11'-11" | 9'-2" | 10'-6" | 9'-5" | 10'-8" | 10'-4" | - |

## LEGEND

| No. | Symbol | Abbreviation | Description |
|---|---|---|---|
| 01. | | -- | ACOUSTICALLY INSULATED DUCT |
| 02. | | AD | ACCESS DOOR |
| 03. | | BOB | BOTTOM OF BEAM |
| 04. | | BOD | BOTTOM OF DUCT |
| 05. | | BOP | BOTTOM OF PIPE |
| 06. | | BOFC | BOTTOM OF FALSE CEILING |
| 07. | | CDP | CONDENSATE DRAIN PIPE |
| 08. | | cfm | CUBIC FEET PER MINUTE |
| 09. | | CHWS | CHILLED WATER SUPPLY PIPE |
| 10. | | CHW R | CHILLED WATER RETURN PIPE |
| 11. | | -- | EXTERNALLY INSULATED DUCT |
| 12. | | | REFRIGERANT LIQUID PIPE |
| 13. | | | REFRIGERANT GAS PIPE |
| 14. | | FA | FRESH AIR |
| 15. | | SAG | SUPPLY AIR GRILLE |
| 16. | | RAG | RETURN AIR GRILLE |
| 17. | | T | TAPER |
| 18. | | SA | SUPPLY AIR DUCT |
| 19. | | RA | RETURN AIR DUCT |
| 20. | | EA | EXHAUST AIR DUCT |
| 21. | | TE | TOILET EXHAUST AIR DUCT |
| 22. | | FA | FREH AIR DUCT |
| 23. | | SE | SMOKE EXHAUST AIR DUCT |
| 24. | | SAD / RAD | SUPPLY AIR DIFFUSER / RETURN AIR DIFFUSER |
| 25. | | DP | DRAIN PIPE AHU DRAIN PIPE VRV |
| 26. | | EX / SA | EXHUAST & SUPPLY AIR GRILLE |
| 27. | | VCD | VOLUME CONTROL DAMPER |
| 28. | | MVCD | MOTORISED VOLUME CONTROL DAMPER |
| 29. | | FD | FIRE DAMPER WITH FUSIBLE LINK |
| 30. | | MFD | MOTORISED FIRE DAMPER |
| 31. | VAV | VAV | VARIABLE AIR VOLUME |
| 32. | | | STARTER PANEL WITH VFD PANEL |
| 33. | TER | | THERMOSTATE |
| 34. | | | CASSETTE UNIT |
| 35. | | | AC SPLIT UNIT |
| 36. | AIR CURTAIN | | AIR CURTAIN |
| 37. | | | REF. NUT |
| 38. | | | LINER SLOT DIFFUSER (3 SLOT) SUPPLY AND RETURN AIR GRILL |

## GENERAL NOTE

1. ALL DIMENSIONS ARE IN MM.
2. ALL LEVELS INDICATED ARE IN MM.
3. DIMENSIONS / LEVELS INDICATED ARE STRUCTURAL UNLESS OTHER SPECIFIED
4. THIS DRAWING, UNLESS OTHERWISE MENTIONED, TO BE PLOTTED TO STANDARD A0 SIZE.
5. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. DO NOT SCALE THE DRAWING
6. DIMENSIONS / LEVELS SHOWN TO BE VERIFIED AT SITE BEFORE COMMENCEMENT OF WORK ANY DISCREPANCIES IF NOTED, SHOULD BE BROUGHT TO THE NOTICE OF ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
7. RELEVANT SERVICES DRAWINGS ARE TO BE READ SIMULTANEOUSLY AND PROVISION OF CUTOUTS / SLEEVES TO BE PROVIDED AS REQUIRED.
8. ALL MATERIALS / FINISHES TO BE AS SPECIFIED AND APPROVED BY THE CONSULTANTS.

## CAUTION

While every attempt has been made in the preparation of this drawing to avoid mistakes, the maker can not guarantee against human error. The contractor on the job must check all dimensions and other details and be responsible for the same.

| NO. | DATE | REVISION | DRN | CHK |
|---|---|---|---|---|
| R2 | 17.11.2021 | REV. ARCH .LAYOUT &UNITS | DJ | HK |
| R1 | 11.11.2021 | REV. ARCH .LAYOUT | DJ | HK |
| R0 | 09.11.2021 | ISSUED FOR COMMENTS. | DJ | HK |

PROJECT NAME:

WS-UTOPIA BORIVALI

CLIENT :

TRENT LIMITED

LIGHTING CONSULTANT :

MEP CONSULTANT :

HVAC Contractor :

VOLTAS LIMITED
TATA Enterprise
DOMESTIC PROJECTS GROUP
Voltas House-B, T.B.Kadam Marg, Chinchpokali(E) Mumbai-400 033.

ARCHITECT

TRENT LIMITED
ADDRESS: TRENT LTD., 2ND FLOOR, COMMERCIAL TOWER 2 KOHINOOR CITY, KIROL ROAD, KURLA (WEST), MUMBAI- 400070

ORIENTATION :

N W E S

DATE : 09.11.2021 | SCALE : 1:75 @A1

DRAWN BY : DJ | CHECKED BY : HK

DRAWING NO :VL/DPG/WS-UTOP-BOR/ACD-03_R2

DRAWING NAME :

HVAC LAYOUT FOR SECOND FLOOR