

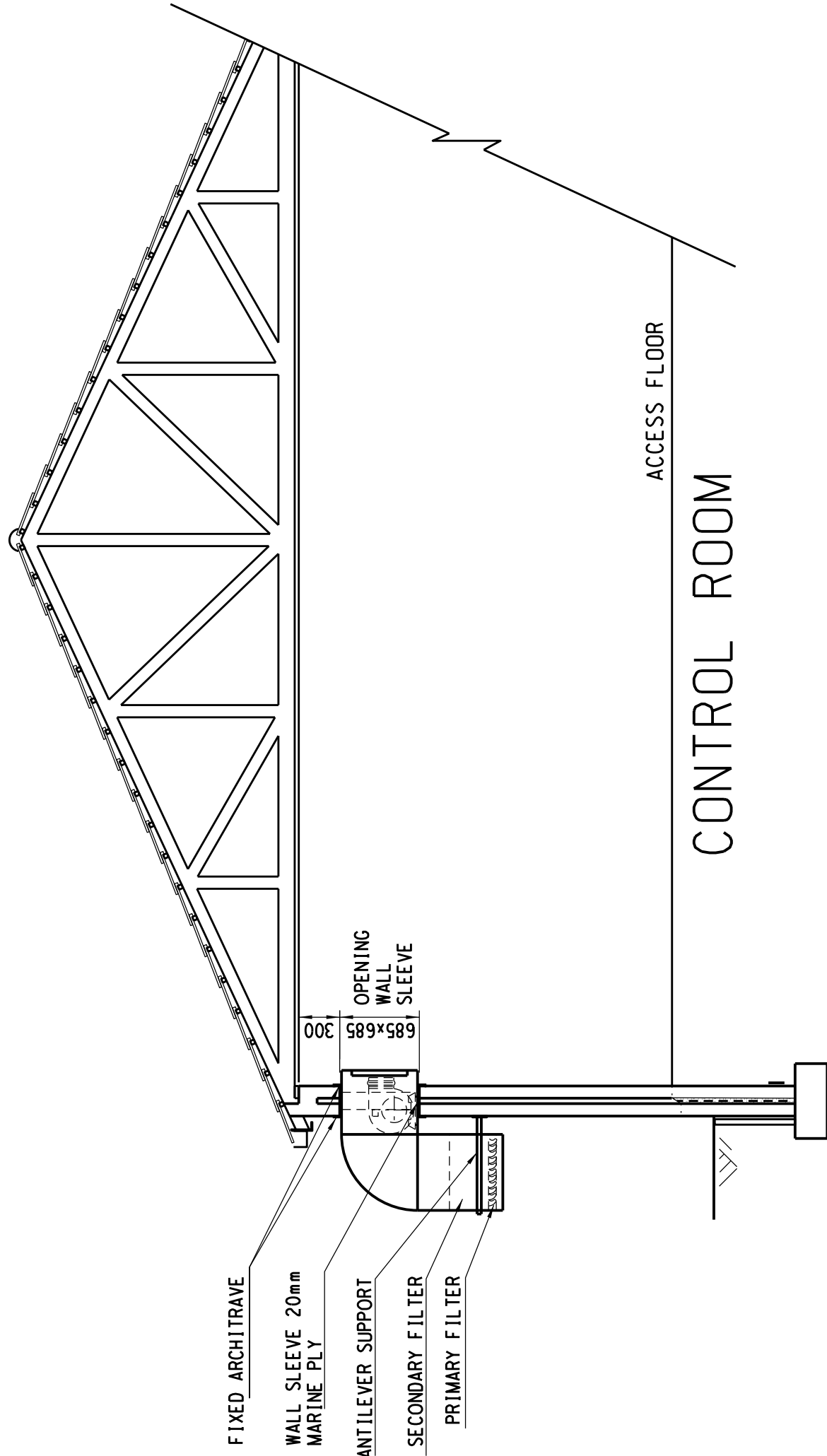
- NOTES:
1. POWER/CONTROL CABLES AND REFRIGERANT PIPES IN ROOF SPACE IN CONTROL ROOM SHALL BE INSTALLED IN TRUNKING WITH COVERS
 2. POWER/CONTROL CABLES AND REFRIGERANT PIPES ON OUTSIDE WALLS SHALL BE INSTALLED IN TRUNKING WITH COVERS
 3. TRUNKING SHALL BE FABRICATED FROM 1mm SHEET STEEL MEASURING 1217x162 WITH CLIP-ON COVER CORROSION PROTECTION
 4. HOT-DIPPED GALVANISED TO SANS 1763 EXPOSED SURFACES ON OUTSIDE WALL SHALL BE BUDGE EPOXY-POWER COATING
 5. DRAIN PIPES SHALL BE INSTALLED IN ROOF VOID WITH OVERALL WIDTH 50mm FOR CABLES & EARTH WIRE RUNNING FROM TRUNKING TO THE UNITS
 6. DRAIN PIPE FROM HANDLING UNITS SHALL BE POLYCOB PIPE WITH SUITABLE CONNECTOR TYPE JIG SPEED IT OR CONE, BETWEEN POLYCOB AND UNIT DRAIN PIPES. PVC TAPE IS NOT ACCEPTABLE. WATER SHALL BE DISCHARGED TO THE APRON SLAB (PIPE SHALL RUN IN TRUNKING & ON OUTSIDE WALL FIXED ON MASTER BAYS SADDLES & DISCHARGED 2 COURSE OF BRICKS ABOVE APRON SLAB
 7. AIR CONDITIONING UNITS SCHEDULE:

PLAN REF	DESCRIPTION	COOLING CAPACITY	SUPPLIER	No A/C UNIT
ACU/AHU 1 TO ACU/AHU 4	INVERTER CEILING CASSETTE 4-WAY AIR FLOW TYPE INDOOR UNIT COP = .31	15.4kW	CARRIER	420TD0600S 380JUS0600T
ACU/AHU 5	INVERTER WALL MOUNTED SPLIT TYPE INDOOR UNIT COP = .31	3.5kW	CARRIER	420WC0120S 380WC0120S
ACU/AHU 6	INVERTER CEILING CASSETTE 4-WAY AIR FLOW TYPE INDOOR UNIT COP = .31	3.5kW	CARRIER	420TD0120S 380JUS0120S

8. PRESSURISATION FAN AND EXTRACTION FAN SCHEDULE

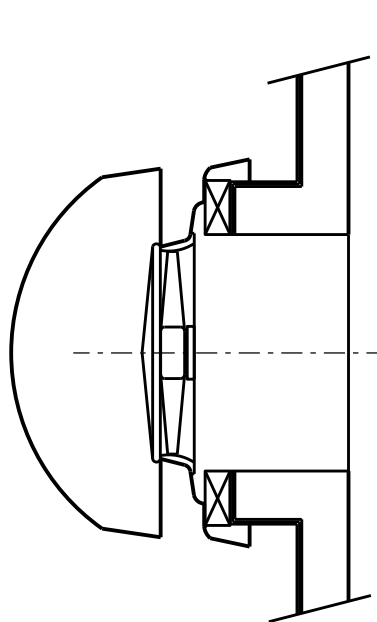
PLAN REF	DESCRIPTION	SUPPLIER	CAT. NO.
FAN 1	EXTRACTION FAN MIXED FLOW IMPELLER-HOT DIP GALVANISED FAN CAPACITY: 0.4-3.2 AT 250 Pa HORIZONTAL DISCHARGE GLASS FIBRE ROOF UNIT WITH BIRD GUARD CURB MOUNTED ACCORDING TO DETAIL 'C'. MOUNTING OF CURB ON ROOF SHALL BE THE CONTRACTORS RESPONSIBILITY. ALL FILTERS AND WASHERS SHALL BE STAINLESS STEEL, CO CURB BE 100, MOTOR 400V AC 3 PHASE 1440 RPM CLASS 1 DIV. 2 EX 67 IP55	HOMER DONKIN	UV400/3/4 (SEE DESCRIPTION)
FAN 3	PRESSURISATION FAN FILTER UNIT WITH WASHABLE PRIMARY AND SECONDARY FILTERS CAPACITY: 14/5, MOTOR: IP20 230V AC SPEED CONTROL UNIT SHALL BE PROVIDED.	PERIGREENG NON-MODERN FILTER DIV	VARIANT FCB

9. OUTDOOR SWITCH-DISCONNECTOR SHALL BE IP65 ENCLOSURE WITH 2 BOTTOM CABLE ENTRY FROM SA SOLENOID OR EQUAL. TO BE INSTALLED NEXT TO OUTDOOR UNIT.
10. ALL ELECTRICAL INSTALLATIONS SHALL BE CALLED AS PER MANUFACTURERS INSTALLATION INSTRUCTIONS
11. FANS START AND STOP PUSH BUTTONS WITH INDICATOR LAMPS SHALL BE INSTALLED WITHIN DB1
12. 8 DIFFUSERS (400x600 WITH BLADES SET PERMANENTLY AT 90°) SHALL BE INSTALLED IN CEILING AS SHOWN ON PLAN, FROM ADVANTAGE AIR, TEL: NO.(011) 452-0573 OR EQUAL APPROVED.

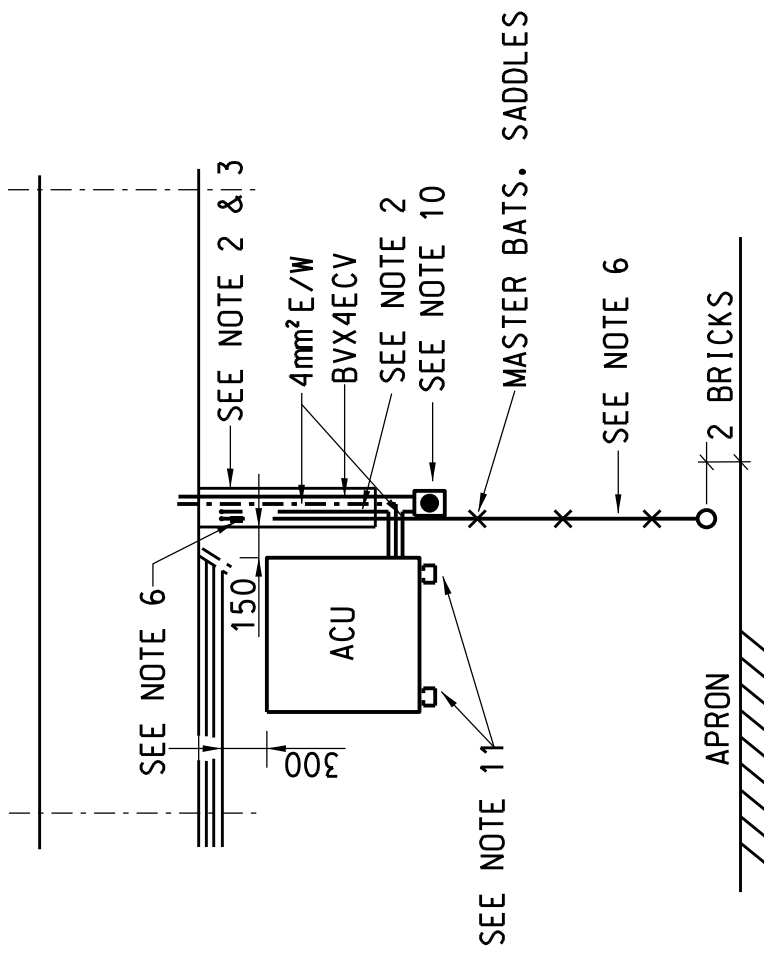


DETAIL 'D':
PRESSURISATION FAN/FILTER
UNIT FOR CONTROL ROOM

- ELECTRICAL LEGEND:
(IN ACCORDANCE WITH MRS002)
- * - CIRCUIT BREAKER
 - * - SWITCH-DISCONNECTOR
 - * - CABLE GLAND WITH EARTH TAG
 - - EARTH STUD
 - - TERMINALS



DETAIL 'C':
HORIZONTAL DISCHARGE
ROOF MOUNTED
EXTRACTION FAN FOR BATTERY ROOM



TYPICAL FRONT VIEW OF ACU's 1-6

N.T.S

FINAL DESIGN
FOR CONSTRUCTION

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