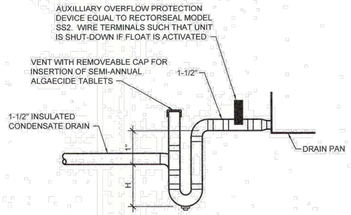
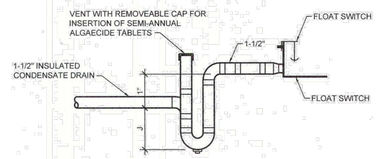


H=1/2"+TOTAL UNIT STATIC PRESSURE

BLOW THRU CONDENSATE DRAIN PIPING

N.T.S.



H=1/2"+TOTAL UNIT STATIC PRESSURE

BLOW THRU CONDENSATE DRAIN PIPING

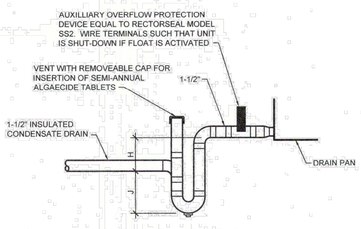
N.T.S.

GENERAL HVAC NOTES:

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE FURNISHED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.
2. THE LOCATION OF ALL AIR DISTRIBUTION DEVICES TO BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATION OF DUCTWORK IN ALL AREAS TO MATCH CEILING GRID/LIGHT FIXTURES WHILE MAXIMIZING CEILING HEIGHT SCHEDULED ON ARCHITECTURAL PLANS.
3. COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 25'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.
4. SIDEWALL AND DRYWALL CONSTRUCTION AIR DISTRIBUTION DEVICES MOUNTINGS IN SAME ROOM SHALL BE UNIFORM AND SYMMETRICAL AS APPROVED BY ARCHITECT.
5. IT IS ESSENTIAL THAT ALL EXTERIOR WALL DEVICES (FANS, CAPS, BRICK VENTS, ETC.) BE INSTALLED SYMMETRICALLY AND PER ARCHITECT'S PLANS. VERIFY INSTALLATION REQUIREMENTS WITH ARCHITECT IN ALL CASES.
6. DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES, ETC.

LEGEND - HVAC

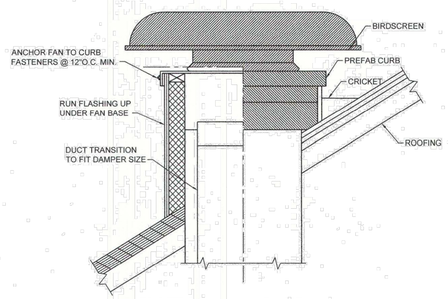
MARK	DESCRIPTION
OR	TYPICAL SUPPLY AIR DIFFUSER (SHADING/ARROWS INDICATES AIR FLOW THROW DIRECTION)
OR	TYPICAL EXHAUST OR RETURN AIR REGISTER
OR	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
	TYPICAL DUCTWORK INCREASER / REDUCER
OR	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER WITH VOLUME DAMPER
OR	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER
OR	TYPICAL RECTANGULAR TO RECTANGULAR TAKEOFF ADAPTER WITH VOLUME DAMPER AND EXTRACTOR
OR	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
MD OR	MOTORIZED DAMPER
	WHEN PRINTED IN COLOR, SUPPLY DUCTWORK BY BLUE COLOR, RETURN/TRANSFER DUCTWORK INDICATED BY RED COLOR AND EXHAUST DUCTWORK INDICATED BY GREEN COLOR. WHEN PRINTED IN GRAYSCALE, ALL DUCTWORK APPEARS THE SAME AND INDICATION OF DUCTWORK TYPE IS DETERMINED BY EQUIPMENT/GRILLES SERVED (SEE OTHER LEGENDS FOR MORE INFORMATION).
24"x14"	RECTANGULAR DUCT WITH SIZE LISTED. THE "x" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
18"Ø	ROUND DUCT WITH SIZE LISTED. THE "Ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
T	AUTOMATIC COOLING/HEATING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" A.F.F. BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVER
H	HIGH HUMIDITY SENSOR MOUNTED AT 84" A.F.F. BEHIND WHITE "KENALL" TAMPER PROOF COVER.
MT	MANUFACTURER'S AUTOMATIC CHANGEOVER THERMOSTAT MOUNTED AT 48" A.F.F.
MS	MANUFACTURER'S WALL MOUNTED PASSIVE INFRARED MOTION SENSOR MOUNTED ADJACENT TO LIGHT SWITCH
SP	CEILING MOUNTED AIR PRESSURE SAMPLING PORT
MG	WALL MOUNTED MAGNEHELIC GAUGE
	TYPICAL AIR FOIL TURNING VANES
AFD OR AFD/DAD	AUTOMATIC FIRE DAMPER WITH DUCT ACCESS DOOR
S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
S.D.	SPLITTER DAMPER
C.R.D.	CEILING RADIATION DAMPER WITH THERMAL BLANKET
B.D.	LOCKING QUADRANT BALANCING DAMPER
MD	MOTORIZED DAMPER
ISD	DUCT MOUNTED SMOKE DETECTOR
B.D.D.	BACKDRAFT DAMPER
	1 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)



H=1"+TOTAL UNIT STATIC PRESSURE
J=1/2"*H

DRAW THRU CONDENSATE DRAIN PIPING

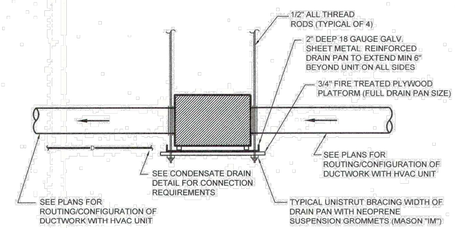
N.T.S.



ROOFTOP INTAKE/RELIEF HOOD DETAIL

N.T.S.

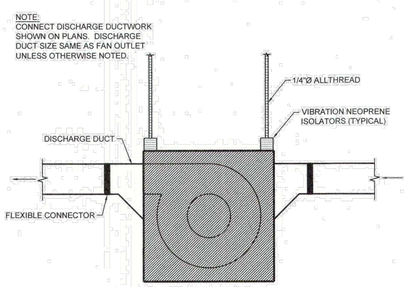
NOTE:
1. PROVIDE SLOPED ROOF CURB IF REQUIRED TO MAINTAIN TOP OF CURB LEVEL.
2. PROVIDE MANUFACTURER'S KYNAR FINISH. COLOR BY ARCHITECT.



SELF-CONTAINED DEHUMIDIFIER DETAIL

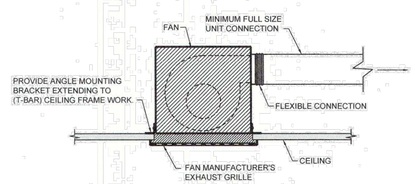
N.T.S.

NOTES:
1. CONTRACTOR SHALL PROVIDE FLOAT SWITCH INSIDE DRAIN PAN TO DE-ENERGIZE UNIT WHEN ACTIVATED.



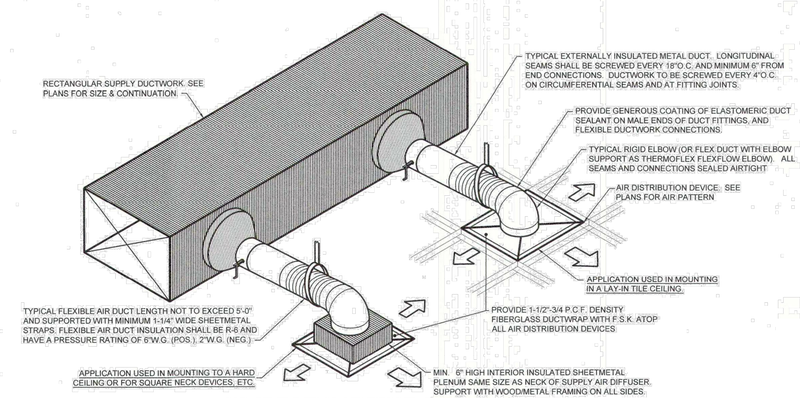
INLINE ABOVE CEILING EXHAUST FAN DETAIL

N.T.S.



CEILING MOUNTED EXHAUST FAN DETAIL

N.T.S.



ROUND NECK DIFFUSER DETAIL

N.T.S.

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PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
5540 Oak Harbor Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

PROGRESS SET

NEW MEDICAL OFFICE
DIANA OAK HARBOR REAL ESTATE LLC
5540 OAK HARBOR BLVD
SLIDELL, LA 70458

JOB No:	2513
DATE:	06-03-2025
DRAWN BY:	CKD
CHECKED BY:	BAK

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SHEET TITLE:
MECHANICAL LEGEND AND DETAILS

DRAWING NUMBER:
M4

SHEET No: 41 of 52