PRESSURE/TEMPERATURE -

PRESSURE INDEPENDENT MODULATING

TEST PLUG (TYPICAL)

CONTROL VALVE

ISOLATION VALVE

COIL DRAIN VALVE -

HOSE CONNECTION WITH CAP

1.INSULATE ALL PIPING, VALVES, FITTINGS AND

2.INSTALL TEST PLUGS IN EASILY ACCESSIBLE LOCATIONS WITH

3. COILS SHALL BE PROVIDED AND INSTALLED SUCH THAT THE SUPPLY HOT WATER

CONNECTS AT BOTTOM CONNECTION AND AT THE LEAVING END OF THE COIL

TERMINAL UNIT HOT WATER COIL

DISCHARGE. COILS SHALL NOT BE ROTATED OR FLIPPED SUCH THAT THIS

CONNECTION (2-WAY CV)

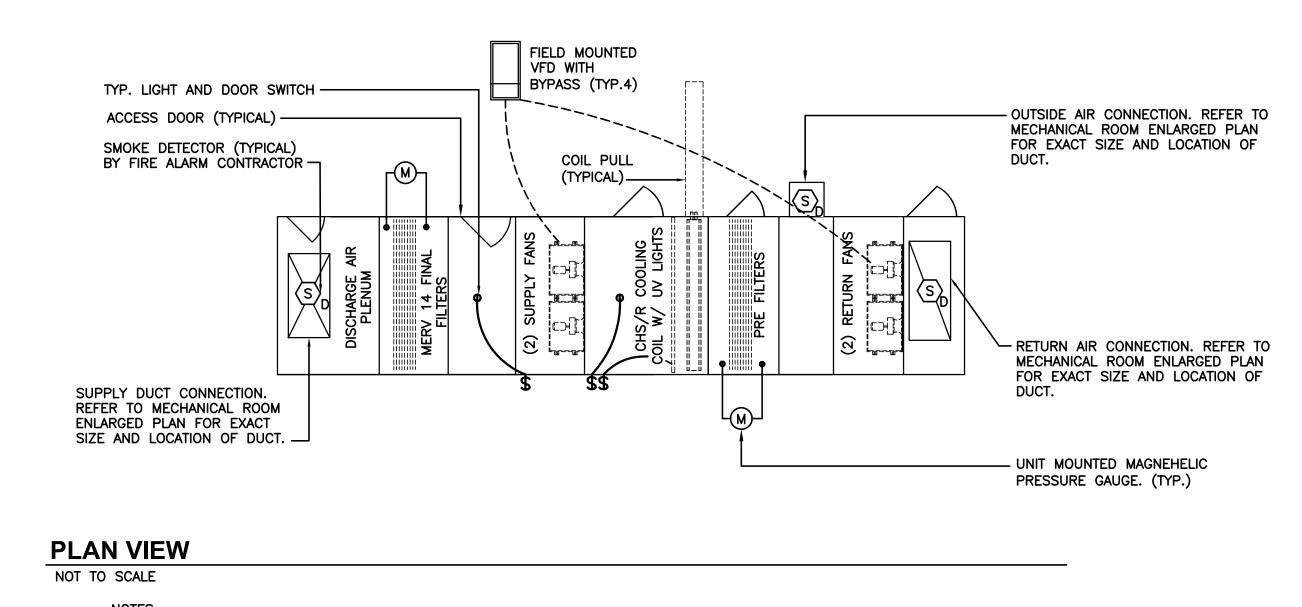
ACCESSORIES. RE: SPECIFICATIONS

ARRANGEMENT IS COMPROMISED.

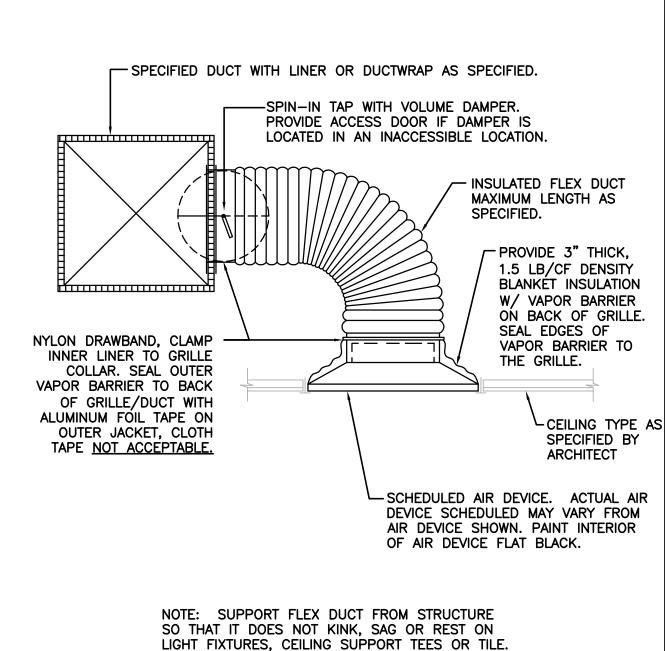
NOT TO SCALE

MINIMUM OF 12" CLEARANCE IN FRONT.

DANFOSS "AB-QM"



SPIN-IN FITTING - OPPOSED BLADE WITH MANUAL MANUAL VOLUME VOLUME DAMPER-DAMPER. RE: SPEC'S. -45 DEGREE ENTRY TAP TYP. ROUND TAKE-OFF-BRANCH TAP NOTE: VOLUME DAMPERS ARE NOT REQUIRED IN MEDIUM PRESSURE DUCTS UPSTREAM OF VAV BOXES. OPPOSED BLADE MANUAL **VOLUME DAMPER IN BRANCH** AND IN MAIN DUCT. RE: TRANSITION TO SUM OF BRANCH DUCT SIZES PRIOR TO SPLIT. -RADIUS ELBOW, OR MITERED ELBOW WITH DOUBLE THICKNESS TURNING VANES **SPLITTER** NOTE: VOLUME DAMPERS ARE NOT REQUIRED IN MEDIUM PRESSURE DUCTS UPSTREAM OF VAV BOXES.



AIR OUTLET/INLET CONNECTION

DOUBLE NUT. OR LOCK

WITH UNISTRUT SYSTEM-

WASHER COMPATIBLE

UNINSULATED PIPING

GALVANIZED STEEL CLAMP -

SIZED TO MATCH PIPE SIZE.

CUT HANGER ROD FLUSH

WITH BOTTOM NUT -

NOTES:

PREFORMED THERMOPLASTIC PIPE

SADDLE WITH GALVANIZED CLAMP

CUSH-A-CLAMP, VIBRACLAMP, OR

HOUSTON, TEXAS 77043 (T) 713.626.4300 (F) 713.626.4301 in association with: Jarner Fritsche 8554 Katy Freeway, Suite 101, Houston, TX 77024 713 432 1422 - Fax 713 432 1253 www.garnerfritsche.com Texas Reg. No. F-5712 GFE Project No. 18022 Houston, Texas 77043

design

group

ARCHITECTS

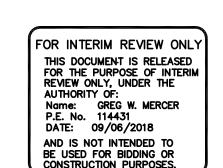
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1165 BRITTMOORE RD.



bennett p: 713.850.8833 f:713.850.0383

3rd Floor **INPATIENT REHAB UNIT**



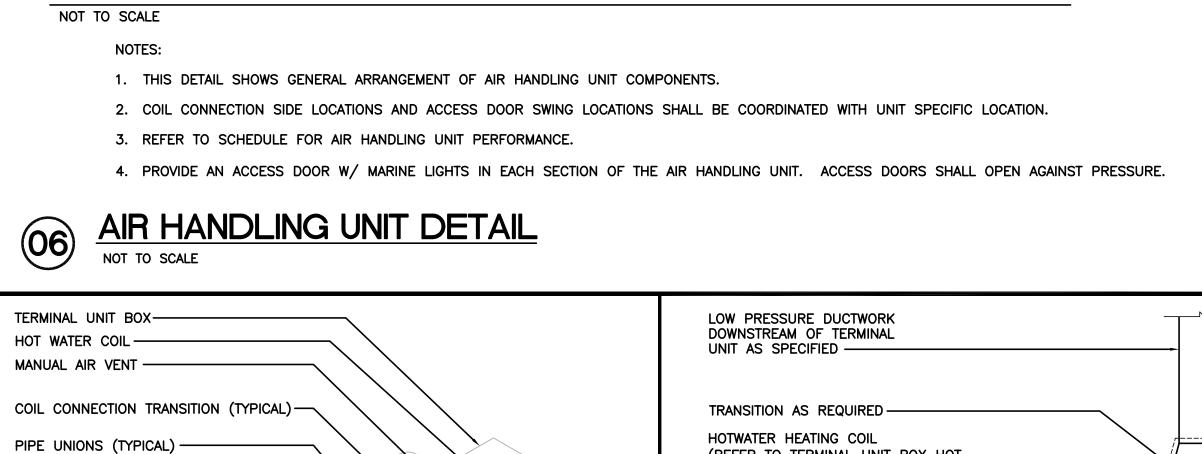
REVISIONS NO. ISSUE DATE **Sheet Information** DATE

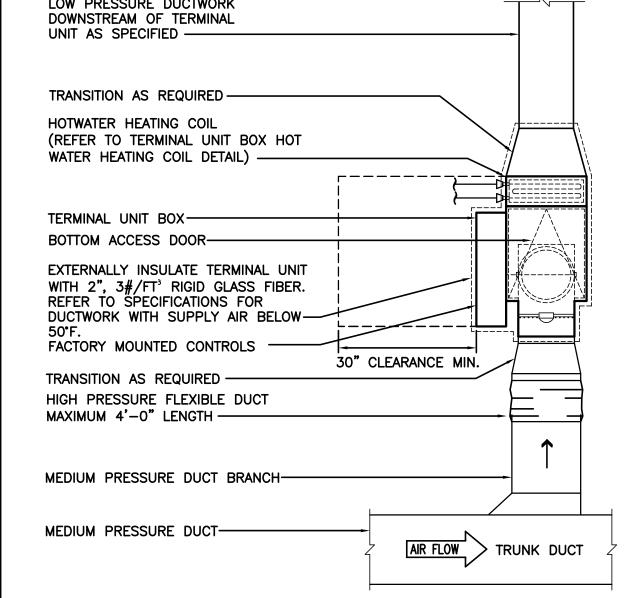
18302 TITLE

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DETAILS - MECHANICAL

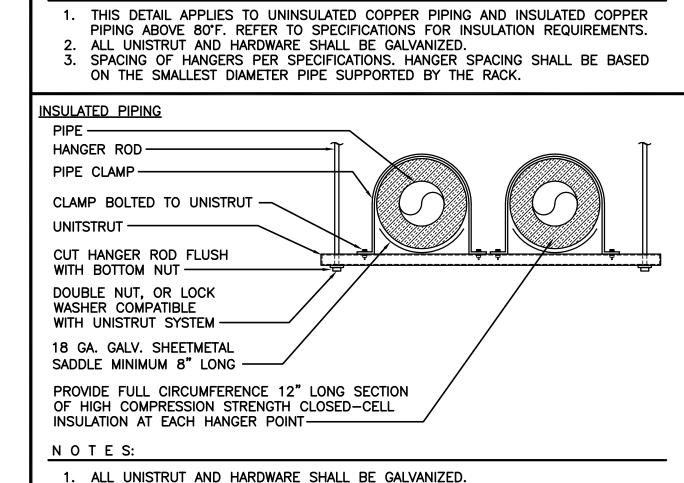




1. SUPPORT FLEX DUCT FROM STRUCTURE AS SPECIFIED, DUCT SHALL NOT KINK, SAG OR REST ON LIGHT FIXTURES, CEILING SUPPORT TEES OR TILE.

3. CONFIGURATION SHOWN IS A SCHEMATIC AND DOES NOT REPRESENT THE SPECIFIC UNIT. 4. PROVIDE SUFFICIENT CLEARANCE TO ACCESS CONTROL BOX. 5. PROVIDE RECOMMENDED STRAIGHT DUCT WORK BEFORE TERMINAL UNIT SENSOR INLET.

> SINGLE PIPE HANGER NOT TO SCALE



2. SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE BASED ON THE SMALLEST DIAMETER PIPE SUPPORTED BY THE RACK.

SUSPENDED PIPE SUPPORT NOT TO SCALE

2. SUPPORT BOX WITH DUCT STRAPS AT ALL FOUR CORNERS.

TERMINAL UNIT BOX (HW. COIL) 05)

NOT TO SCALE

SPLIT RING HANGER ROD AS REQUIRED -SPACING OF HANGERS PER SPECIFICATIONS TURNBUCKLE AS REQ'D ---— 18 GA. GALV. SHEETMETAL SADDLE MINIMUM 8" LONG — PROVIDE FULL CIRCUMFERENCE 12" LONG SECTION OF HIGH

COMPRESSION STRENGTH

EACH HANGER POINT -

CLOSED-CELL INSULATION AT

DUCT BRANCH TAKE OFF

CLEVIS TYPE

HANGER

AND IS NOT INTENDED TO BE USED FOR BIDDING OR CONSTRUCTION PURPOSES.

09/06/2018

DETAILS MECHANICAL

SHEET