FLEXIBLE DUCTWORK. PROVIDE SPIN COLLAR AND/OR LOCKING TYPE DAMPER AT ALL FINAL BRANCH

ALL LAY-IN DIFFUSERS MOUNTED IN GYPSUM CEILINGS TO HAVE PLASTER FRAMES.

SEPARATE NEW BRANCH DUCT TAP LOCATIONS. MINIMUM CENTERLINE SEPARATION DISTANCE TO

THROAT VANED ELBOW(S). TAPS NOT ACCEPTABLE. (SEE DUCTWORK SYMBOLS LEGEND) 4) ALL ELBOWS TO BE RADIUS TYPE - UNLESS NOTED OTHERWISE (SQUARE THROAT ELBOWS ARE NOT ACCEPTABLE). (SEE DUCTWORK SYMBOLS LEGEND)

5) INSTALL ALL NEW DUCTS, DIFFUSERS, GRILLES AND/OR REGISTERS BETWEEN WALL STUDS.

6 VERIFY ACCESS TO ALL EQUIPMENT.

(7) INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE BELOW ALL BUILDING STEEL. BOTTOM OF ALL HVAC EQUIPMENT AND DUCTWORK TO BE AT A MINIMUM OF 12'-3" A.F.F. EXCEPT IN FINISHED CEILING AREAS. SEE GAS ROOF TOP UNIT DETAILS.

8) INSTALL ALL GRIDPOINT REMOTE SENSORS & CO2 SENSORS AT AN ACCESSIBLE LOCATION. SENSORS ARE NOT TO BE LOCATED BEHIND TENANT SHELVING. CONTRACTOR SHALL FIELD SPLICE CABLE & EXTEND CABLE TO LOCATIONS AS SHOWN. SEE TENANT'S "EM" SHEETS FOR MORE INFORMATION. LOCATIONS ARE PER O'REILLY'S REQUIREMENTS.

(9) COORDINATE LOCATION OF LIGHT FIXTURE(S).

(10) Exposed ceiling area. All other areas are gypsum or lay-in as shown.

11) SEE ROUND DUCT MOUNTED REGISTER DETAIL #D-1-9

SEE ROUND TAP DETAIL #D-1-8.

13) SIDEWALL RETURN AIR GRILLE(S). SEE RETURN DUCT DETAIL.

RUN EXHAUST DUCT TO EXHAUST FAN AND OUT TO WALL CAP. COORDINATE ELEVATION (MINIMUM 10'-0") OF WALL CAP WITH GENERAL CONTRACTOR.

15) ALL CAULKING ON BUILDING PENETRATIONS SHALL BE A ONE-COMPONENT NON-SAG URETHANE ELASTOMERIC SEALANT (NO EXCEPTIONS).

16) COVER ALL DUCT OPENINGS AND PROTECT ALL MECHANICAL EQUIPMENT DURING CONSTRUCTION AND STORAGE PRIOR TO CONSTRUCTION UNTIL FINAL START UP OF THE HVAC EQUIPMENT. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF DUST OR DEBRIS COLLECTING IN

THERMOSTAT BANK LOCATION. GRIDPOINT THERMOSTATS PROVIDED BY THE TENANT AND INSTALLED BY THE TENANT'S SUGGESTED EMS CONTRACTOR.

(18) PROVIDE TEMPORARY THERMOSTAT AND WIRING FOR UNIT START UP. PERMANENT THERMOSTAT TO BE INSTALLED BY TENANT'S SUGGESTED EMS CONTRACTOR.

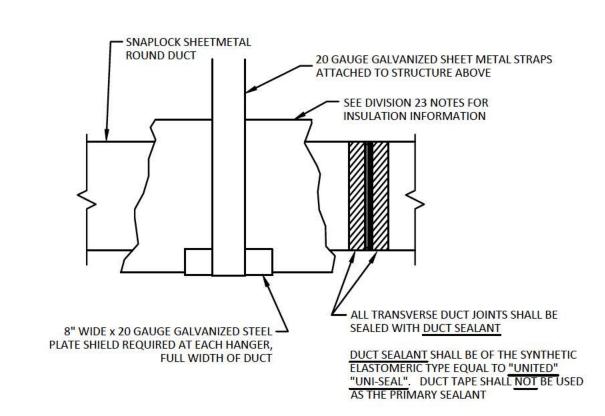
19) REMOTE TEST STATION FOR DUCT SMOKE DETECTOR. MOUNT AT 5'-0" A.F.F.

20) REMOTE ALARM/STROBE FOR DUCT SMOKE DETECTOR. MOUNT AT 7'-6" A.F.F. (21) OFFICE INLINE FAN TO DISCHARGE INTO PLENUM SPACE.

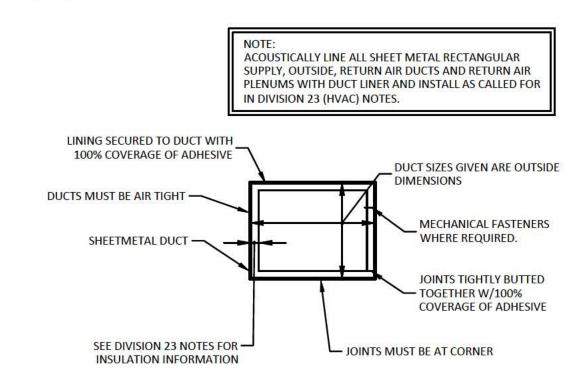
(22) SEE RETURN AIR PLENUM DETAIL D-1-10A. INSTALL ELBOW JUST ABOVE CEILING PLATFORM.

— DUCT SIZES GIVEN ARE **OUTSIDE DIMENSIONS, NOT** INCLUDING INSULATION CONTINUOUS -VAPOR BARRIER - SNAPLOCK SHEETMETAL **ROUND DUCT** DUCTS MUST BE -AIR TIGHT SEE DIVISION 23 NOTES FOR — PLACE W/100% COVERAGE OF ADHESIVE INSULATION INFORMATION

ROUND DUCT INSULATION DETAIL



ROUND DUCT INSTALLATION DETAIL



530-12x12(B

180-8x8(C)

200-8x8(C)

102

OFFICE

14"Ø(W)

PARAPET ABOVE -

190 8x8(C) - 111 - 190 8x8(C)

125-6x6(C) - 111 - 125-6x6(C)

125-6x6(C) → 111 → 125-6x6(C)

REST RM.

PARTS B

STEEL JOIST (TYP)

STEEL BRACING (TYP)

100-6"(A1)

100

PARTS

540-12x12(III)

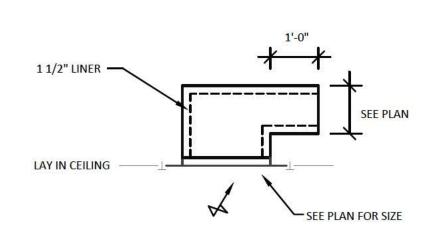
10"Ø(W)

105

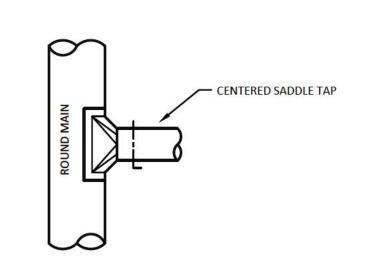
PARTS C

10

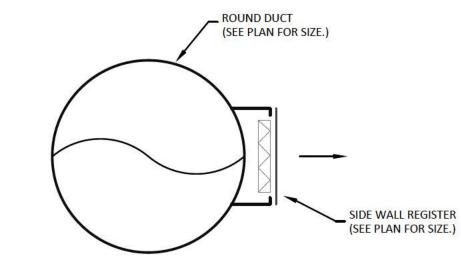
RECTANGULAR DUCT INSULATION DETAIL



RETURN AIR PLENUM DETAIL



ROUND TAP DETAIL



ROUND DUCT MOUNTED REGISTER DETAIL

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PRIOR TO INSTALLATION, VERIFY ALL DUCTWORK, PIPING, WIRING, CONDUITS AND EQUIPMENT LOCATIONS SHOWN ON DRAWINGS TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE, WALLS, CEILINGS, LIGHTS, ELECTRICAL ITEMS AND/OR OTHER TRADE ITEMS. NOTIFY DESIGN ENGINEER IN WRITING PRIOR TO ANY CHANGES.

1957-1 United Engineering, Inc., 1006 Geneva Street, Shorewood IL 60404, 815-744-1010

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REVISIONS

