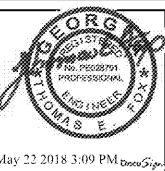


Pascal Aughtry & Associates, PC

405.463.3494
 Fax: 405.463.3493
 937 East Britton Road
 Oklahoma City, OK 73114
 pascalarch.com



May 22 2018 3:09 PM

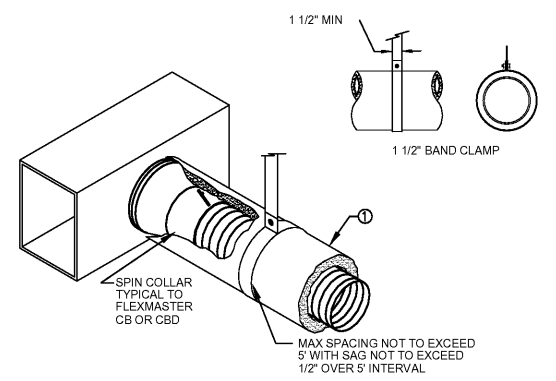
Love's
 Travel Stops
 A NEW TRAVEL STOP
 STORE NO. 735
 CALHOUN, GA

Revisions:	
No.	Date

Project No.: LVS - 18735
 Date: 05-22-18
 Sheet No.:

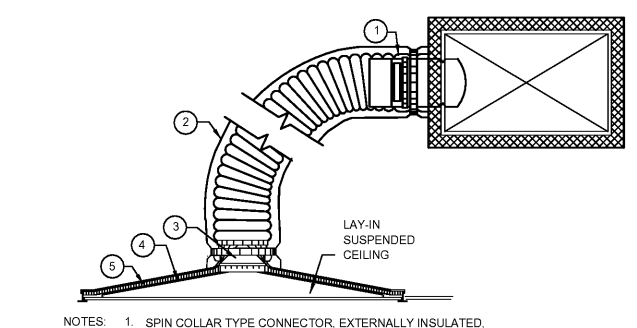
M3.1

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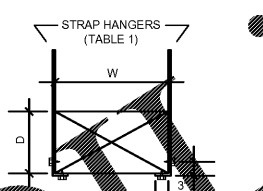


GAUGE	THK.	1" STRAP CAPABILITY	MAXIMUM LOAD
24	.028	840	168
22	.034	1070	216
20	.040	1298	259

*ELASTIC LIMIT ASSUMED 30ksi RECOMMEND MAX LOAD (20% OF YIELD STRENGTH).
 NOTES:
 1. FLEX DUCT WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING TYPICAL TO 'FABRIFLEX'
 2. ALL FLEX DUCT SHALL CONFORM TO UL STANDARD 181 WITH THE UL LABEL PRINTED ON THE DUCT EVERY 10 FEET.

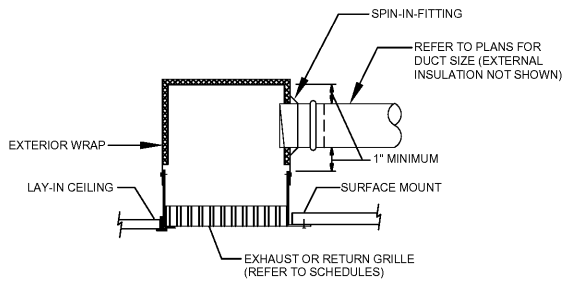


NOTES:
 1. SPIN COLLAR TYPE CONNECTOR, EXTERNALLY INSULATED, WITH VOLUME DAMPER AND DAMPER LOCK
 2. PRE-INSULATED FLEX DUCT AS REQUIRED, INSTALLED, PERMANENTLY SEALED AND SUPPORTED TO PREVENT KINKING AND SHARP TURNS
 3. ROUND TO SQUARE ADAPTER AS REQUIRED
 4. LAY-IN-TYPE CEILING DIFFUSER WITHOUT VOLUME DAMPER
 5. PROVIDE 1-1/2" THICK INSULATION, FOIL BACKED MINERAL WOOL JACKET TO COMPLETELY COVER DIFFUSER CONE SEAL FOIL TO CONE WITH FIBER REINFORCED FOIL BACKED TAPE
 6. 1-90° TURN ALLOWED
 7. MAXIMUM FLEX LENGTH NOT TO EXCEED 10'-0"



NOTES:
 1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD
 2. PROVIDE HIGH DENSITY INSERT AT TRAPEZE FOR INSULATED DUCTS.

TABLE 1: STRAP HANGERS (PAIR SPACED)			
W	10'-0" MAX	5'-0" MAX	5'-0" MAX
72"	1" X 2 GA	1" X 22 GA	1" X 22 GA
60"	1" X 20 GA	1" X 22 GA	1" X 22 GA
48"	1" X 18 GA	1" X 22 GA	1" X 18 GA
36"	1" X 18 GA	1" X 18 GA	1" X 18 GA
193"	SPECIAL ANALYSIS REQUIRED		

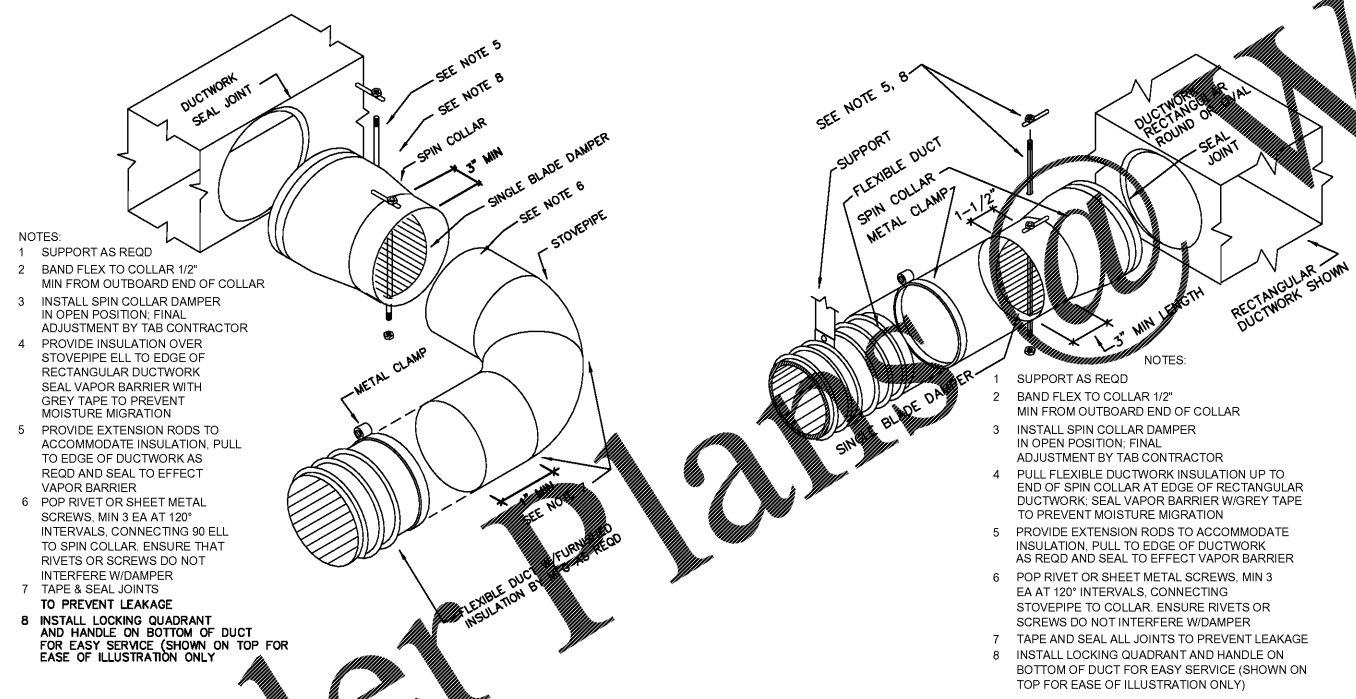


1 TYPICAL DUCTED GRILLE
 SCALE: NONE

2 SUGGESTED SUPPORT REQUIREMENTS FOR FLEX DUCT
 SCALE: NONE

3 TYPICAL FLEXIBLE DUCT DETAIL
 SCALE: NONE

4 RECTANGULAR DUCT HANGERS
 SCALE: NONE

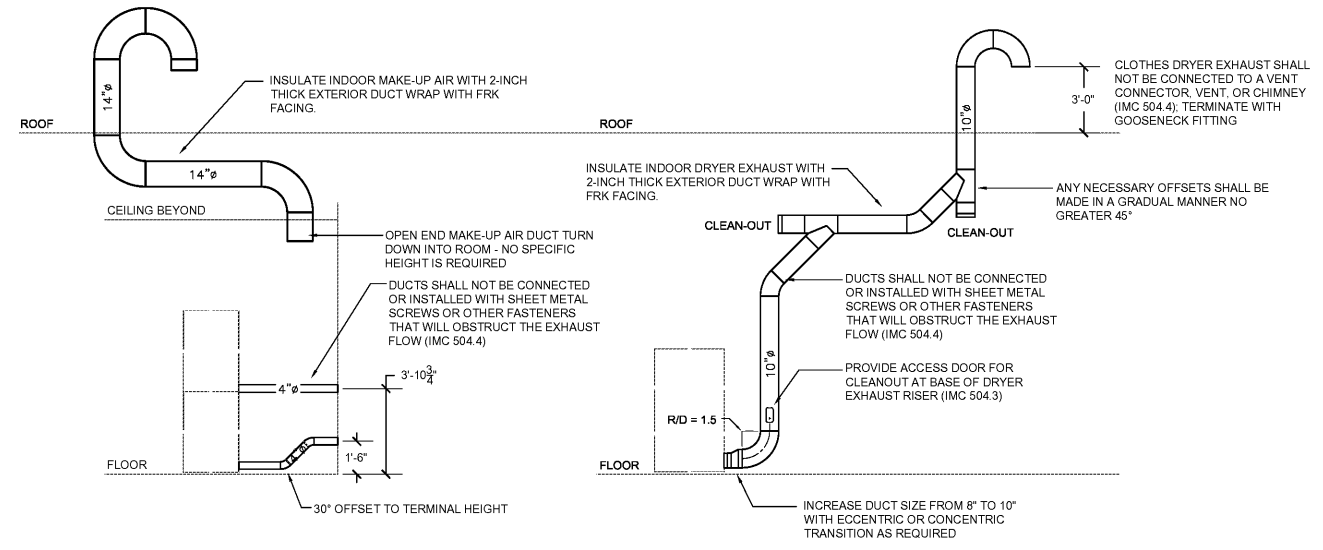


NOTES:
 1. SUPPORT AS REQD
 2. BAND FLEX TO COLLAR 1/2" MIN FROM OUTBOARD END OF COLLAR
 3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR
 4. PROVIDE INSULATION OVER STOVEPIPE ELL TO EDGE OF RECTANGULAR DUCTWORK SEAL VAPOR BARRIER WITH GREY TAPE TO PREVENT MOISTURE MIGRATION
 5. PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION. PULL TO EDGE OF DUCTWORK AS REQD AND SEAL TO EFFECT VAPOR BARRIER
 6. POP RIVET OR SHEET METAL SCREWS, MIN 3 EA AT 120" INTERVALS, CONNECTING 90 ELL TO SPIN COLLAR. ENSURE THAT RIVETS OR SCREWS DO NOT INTERFERE W/DAMPER
 7. TAPE & SEAL JOINTS TO PREVENT LEAKAGE
 8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY)

NOTES:
 1. SUPPORT AS REQD
 2. BAND FLEX TO COLLAR 1/2" MIN FROM OUTBOARD END OF COLLAR
 3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR
 4. PULL FLEXIBLE DUCTWORK INSULATION UP TO END OF SPIN COLLAR AT EDGE OF RECTANGULAR DUCTWORK; SEAL VAPOR BARRIER W/GREY TAPE TO PREVENT MOISTURE MIGRATION
 5. PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION, PULL TO EDGE OF DUCTWORK AS REQD AND SEAL TO EFFECT VAPOR BARRIER
 6. POP RIVET OR SHEET METAL SCREWS, MIN 3 EA AT 120" INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE W/DAMPER
 7. TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE
 8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY)

5 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER AND STOVEPIPE ELBOW
 SCALE: NONE

6 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER
 SCALE: NONE



7 DRYER DUCT SCHEMATIC
 SCALE: NONE

Order Plans