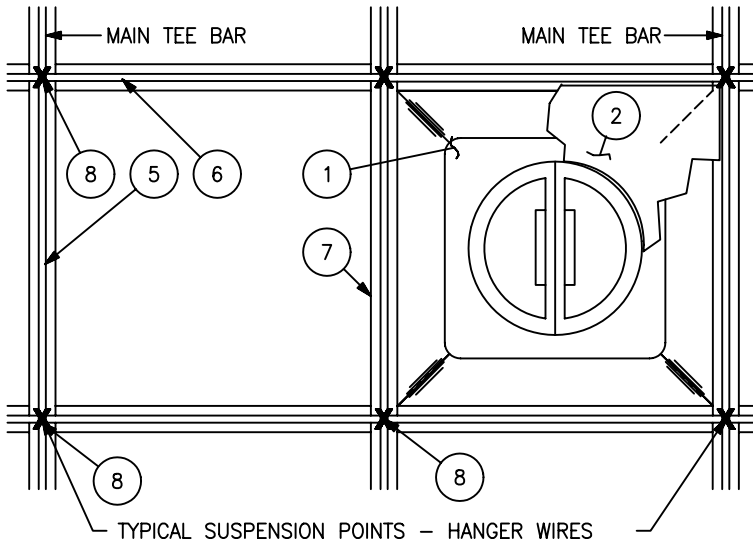
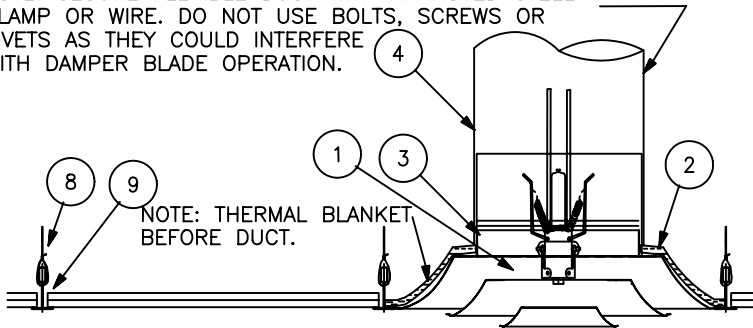


SQ. CONE & PERF. FIRE RATED DIFFUSER INSTALLATION INSTRUCTIONS



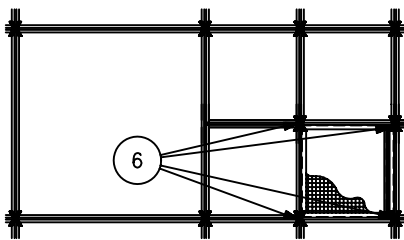
STEP "A" CEILING GRID LAYOUT

NOTE: SECURE FLEXIBLE DUCT WITH APPROVED STEEL CLAMP OR WIRE. DO NOT USE BOLTS, SCREWS OR RIVETS AS THEY COULD INTERFERE WITH DAMPER BLADE OPERATION.



STEP "B" FLEXIBLE DUCT CONNECTION

(CROSS SECTIONAL DETAIL OF DIFFUSER INSTALLATION)



INSTALLATION OF 12" x 12" OR 300mm x 300MM SCD FR



INSTALLATION INSTRUCTIONS

1. FOLLOW STEPS "A" & "B" AS SHOWN.
2. THE FLEXIBLE AIR DUCT SHALL BE CLASS "0" OR CLASS "1" UL CERTIFIED (SEE UL GAS & OIL EQUIPMENT DIRECTORY). THE MAX LENGTH SHALL NOT EXCEED 14'-0" (4267). WHERE FLEX. AIR DUCT SUPPORT IS REQUIRED, USE STEEL STRAPS AND #12 SWG STEEL HANGER WIRE.
3. THE 4'-0" CROSS TEES MUST HAVE SLOTS IN THE WEB FOR CONNECTING THE 2'-0" CROSS TEES. END TABS OF THE 2'-0" CROSS TEE MUST BE BENT BACK AGAINST THE WEB OF THE 4'-0" TEES.
4. SUSPEND CEILING TEES INDEPENDENTLY AT THE 4 CORNERS OF DIFFUSER ASSEMBLY. USE #12 SWG GALVANIZED STEEL HANGER WIRE AND SECURE TO THE FLOOR OR ROOF ABOVE.
5. MAXIMUM ROUND NECK SIZE OF THE FIRE RATED DIFFUSER ASSEMBLY IS 15" (381) DIAMETER.
6. NO DIFFUSER & CEILING RADIATION DAMPER ASSEMBLY SHALL BE LOCATED IN AN ADJACENT 24" X 48" (610 X 1219) CEILING MODULE.
7. INSTALLATION OF 12"X12" (304X304) DIFFUSER ASSEMBLY IS SIMILAR TO THE ABOVE. REWORK TEE BAR AND GRID TO PROVIDE 4- CORNER TEE SUSPENSION OF 12"X12" (304X304) ASSEMBLY. END TABS OF ALL CROSS TEE BARS MUST ENTER SLOTS IN CONNECTING TEES AND MUST BE BENT BACK AGAINST THE WEB OF THE CONNECTING TEES.
8. INSTALLATION OF THERMAL BLANKET ON THE DIFFUSER ASSEMBLY IS DONE AT THE FACTORY. HOWEVER IF IT NEEDS TO BE REMOVED AND REINSTALLED, FIT THE BLANKET OVER THE DIFFUSER NECK BEFORE DUCT IS FASTENED. THERMAL BLANKET MUST TOTALLY COVER THE BACKPAN.

TYPICAL COMPONENTS

BY PRICE INDUSTRIES:

1. SQUARE CONE DIFFUSER C/W CEILING RADIATION DAMPER
2. THERMAL BLANKET CK-2000-B

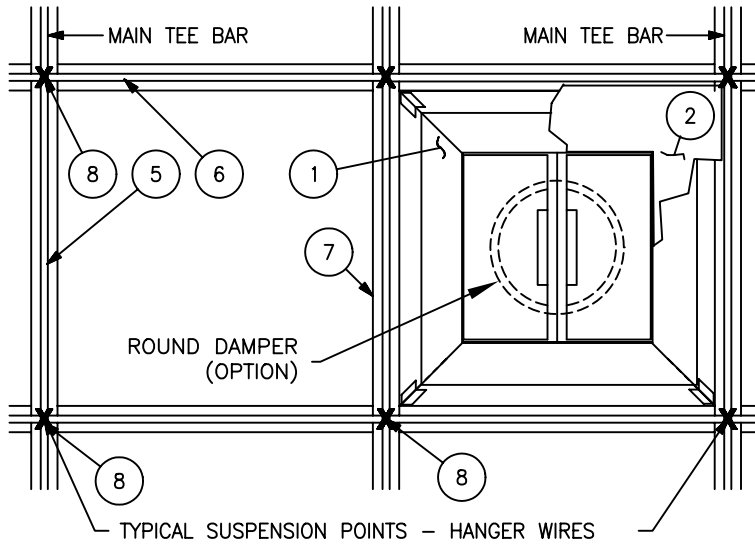
BY OTHERS:

3. - STEEL (NECK) CLAMP - OR WIRE.
4. - AIR DUCT (FLEXIBLE OR RIDGID)
5. - MAIN TEE RUNNER
6. - CROSS TEE BAR 4'-0" OR 1200mm
7. - CROSS TEE BAR 2'-0" OR 600mm
8. - SUSPENSION HANGER WIRE.
9. - CEILING TILE OR PANEL

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

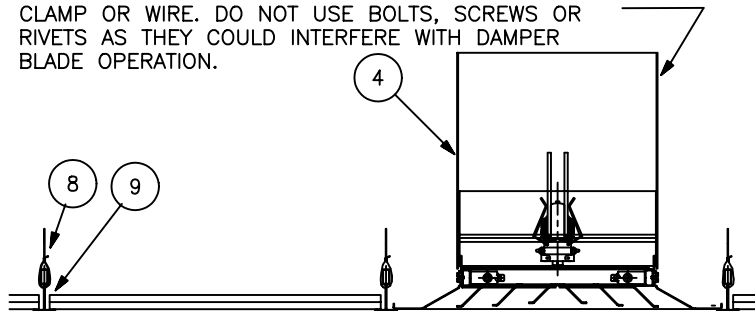
PROJECT:		PRICE®	
ENGINEER:		228791	SQ. CONE & PERF. DIFFUSER AND CEILING RADIATION DAMPER ASSEMBLY INSTALLATION INSTRUCTIONS
CUSTOMER:			
SUBMITTAL DATE:	SPEC. SYMBOL:	APRIL 2002	

SQ. MODULAR FIRE RATED ASSEMBLY INSTALLATION INSTRUCTIONS



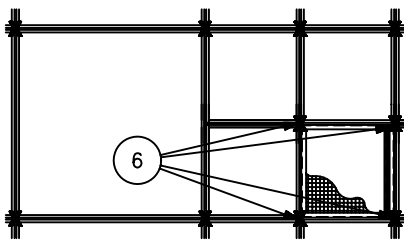
STEP "A" CEILING GRID LAYOUT

NOTE: SECURE FLEXIBLE DUCT WITH APPROVED STEEL CLAMP OR WIRE. DO NOT USE BOLTS, SCREWS OR RIVETS AS THEY COULD INTERFERE WITH DAMPER BLADE OPERATION.



STEP "B" FLEXIBLE DUCT CONNECTION

(CROSS SECTIONAL DETAIL OF DIFFUSER INSTALLATION)



INSTALLATION OF 12" x 12" OR 300mm x 300mm



INSTALLATION INSTRUCTIONS

1. FOLLOW STEPS "A" & "B" AS SHOWN.
2. THE FLEXIBLE AIR DUCT SHALL BE CLASS"0" OR CLASS"1" UL CERTIFIED(SEE UL GAS & OIL EQUIPMENT DIRECTORY). THE MAX LENGTH SHALL NOT EXCEED14'-0"(4267). WHERE FLEX. AIR DUCT SUPPORT IS REQUIRED, USE STEEL STRAPS AND #12 SWG STEEL HANGER WIRE.
3. THE 4'-0" CROSS TEES MUST HAVE SLOTS IN THE WEB FOR CONNECTING THE 2'-0" CROSS TEES. END TABS OF THE 2'-0" CROSS TEE MUST BE BENT BACK AGAINST THE WEB OF THE 4'-0" TEES.
4. SUSPEND CEILING TEES INDEPENDENTLY AT THE 4 CORNERS OF DIFFUSER ASSEMBLY. USE #12 SWG GALVANIZED STEEL HANGER WIRE AND SECURE TO THE FLOOR OR ROOF ABOVE.
5. ROUND NECKS ARE AVAILABLE AS AN OPTION AND ARE AVAILABLE UP TO 15" (381) DIAMETER. MAXIMUM SQUARE NECK SIZE OF THE FIRE RATED DIFFUSER ASSEMBLY IS 18"X18" (457X457).
6. NO DIFFUSER & CEILING RADIATION DAMPER ASSEMBLY SHALL BE LOCATED IN AN ADJACENT 24" X 48" (610 x 1219) CEILING MODULE.
7. INSTALLATION OF 12" (304) & 20"(508) SQUARE DIFFUSER ASSEMBLY IS SIMILAR TO THE ABOVE. REWORK TEE BAR AND GRID TO PROVIDE 4- CORNER TEE SUSPENSION OF 12"(304) OR 20"(508) SQUARE ASSEMBLY. END TABS OF ALL CROSS TEE BARS MUST ENTER SLOTS IN CONNECTING TEES AND MUST BE BENT BACK AGAINST THE WEB OF THE CONNECTING TEES.
8. INSTALLATION OF THERMAL BLANKET ON THE DIFFUSER ASSEMBLY IS DONE AT THE FACTORY. HOWEVER IF IT NEEDS TO REMOVED AND REINSTALLED, FIT THE BLANKET OVER THE DIFFUSER NECK WITH CREASES UP BEFORE DUCT IS FASTENED AND TUCK EDGES TO TEE BARS. THE THERMAL BLANKET MUST TOTALLY COVER THE BACKPAN.

TYPICAL COMPONENTS

BY PRICE INDUSTRIES:

1. SQUARE MODULAR DIFFUSER C/W CEILING RADIATION DAMPER
2. THERMAL BLANKET CK-2000-B

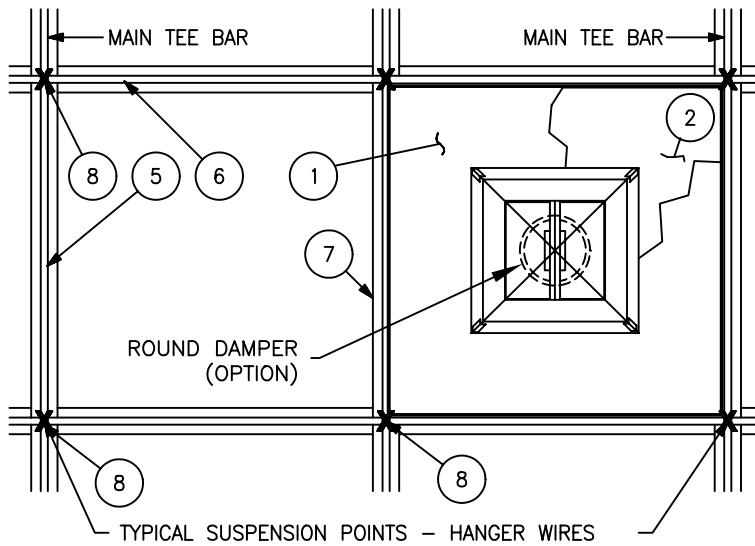
BY OTHERS:

3. - STEEL (NECK) CLAMP - OR WIRE.
4. - AIR DUCT (FLEXIBLE OR RIDGID)
5. - MAIN TEE RUNNER
6. - CROSS TEE BAR 4'-0" OR 1200mm
7. - CROSS TEE BAR 2'-0" OR 600mm
8. - SUSPENSION HANGER WIRE.
9. - CEILING TILE OR PANEL

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

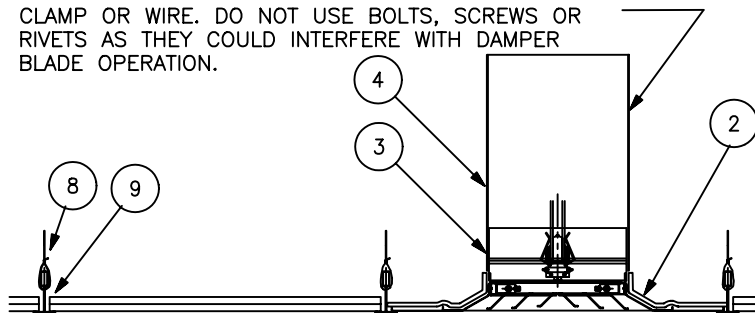
PROJECT:		PRICE®	
ENGINEER:		<i>ND</i>	SQ. MODULAR
CUSTOMER:		228792	SMX-FR,SMCD-FR,SCVD-FR
SUBMITTAL DATE:		APRIL 2002	SMD-FR,SMDA-FR
SPEC. SYMBOL:		FIRE RATED ASSEMBLY INSTALLATION INSTRUCTIONS	

SQ. MODULE & CONE, PANEL, FIRE RATED ASSEMBLY INSTALLATION INSTRUCTIONS



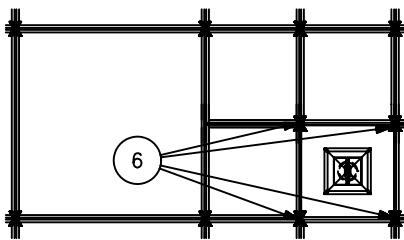
STEP "A" CEILING GRID LAYOUT

NOTE: SECURE FLEXIBLE DUCT WITH APPROVED STEEL CLAMP OR WIRE. DO NOT USE BOLTS, SCREWS OR RIVETS AS THEY COULD INTERFERE WITH DAMPER BLADE OPERATION.



STEP "B" FLEXIBLE DUCT CONNECTION

(CROSS SECTIONAL DETAIL OF DIFFUSER INSTALLATION)



INSTALLATION OF 12" x 12" OR 300mm x 300mm



INSTALLATION INSTRUCTIONS

1. FOLLOW STEPS "A" & "B" AS SHOWN.
2. THE FLEXIBLE AIR DUCT SHALL BE CLASS"0" OR CLASS"1" UL CERTIFIED(SEE UL GAS & OIL EQUIPMENT DIRECTORY). THE MAX LENGTH SHALL NOT EXCEED14'-0"(4267). WHERE FLEX. AIR DUCT SUPPORT IS REQUIRED, USE STEEL STRAPS AND #12 SWG STEEL HANGER WIRE.
3. THE 4'-0" CROSS TEES MUST HAVE SLOTS IN THE WEB FOR CONNECTING THE 2'-0" CROSS TEES. END TABS OF THE 2'-0" CROSS TEE MUST BE BENT BACK AGAINST THE WEB OF THE 4'-0" TEES.
4. SUSPEND CEILING TEES INDEPENDENTLY AT THE 4 CORNERS OF DIFFUSER ASSEMBLY. USE #12 SWG GALVANIZED STEEL HANGER WIRE AND SECURE TO THE FLOOR OR ROOF ABOVE.
5. ROUND NECKS ARE AVAILABLE AS AN OPTION AND ARE AVAILABLE UP TO 15" (381) DIAMETER. MAXIMUM SQUARE NECK SIZE OF THE FIRE RATED DIFFUSER ASSEMBLY IS 18"X18" (457X457).
6. NO DIFFUSER & CEILING RADIATION DAMPER ASSEMBLY SHALL BE LOCATED IN AN ADJACENT 24" X 48" (610 x 1219) CEILING MODULE.
7. INSTALLATION OF 12" (304) & 20"(508) SQUARE DIFFUSER ASSEMBLY IS SIMILAR TO THE ABOVE. REWORK TEE BAR AND GRID TO PROVIDE 4- CORNER TEE SUSPENSION OF 12"(304) OR 20"(508) SQUARE ASSEMBLY. END TABS OF ALL CROSS TEE BARS MUST ENTER SLOTS IN CONNECTING TEES AND MUST BE BENT BACK AGAINST THE WEB OF THE CONNECTING TEES.
8. INSTALLATION OF THERMAL BLANKET ON THE DIFFUSER ASSEMBLY IS DONE AT THE FACTORY. HOWEVER IF IT NEEDS TO REMOVED AND REINSTALLED, FIT THE BLANKET OVER THE DIFFUSER NECK WITH CREASES UP BEFORE DUCT IS FASTENED AND TUCK EDGES TO TEE BARS. THE THERMAL BLANKET MUST TOTALLY COVER THE BACKPAN.

TYPICAL COMPONENTS

BY PRICE INDUSTRIES:

1. SQUARE PANEL DIFFUSER C/W CEILING RADIATION DAMPER
2. THERMAL BLANKET CK-2000-B

BY OTHERS:

3. - STEEL (NECK) CLAMP - OR WIRE.
4. - AIR DUCT (FLEXIBLE OR RIDGID)
5. - MAIN TEE RUNNER
6. - CROSS TEE BAR 4'-0" OR 1200mm
7. - CROSS TEE BAR 2'-0" OR 600mm
8. - SUSPENSION HANGER WIRE.
9. - CEILING TILE OR CEILING PANEL

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		PRICE®	
ENGINEER:		 233667	SQ.MODULE & CONE
CUSTOMER:			
SUBMITTAL DATE:		APRIL 2002	PANEL OPTION FIRE RATED ASSEMBLY INSTALLATION INSTRUCTIONS
SPEC. SYMBOL:			