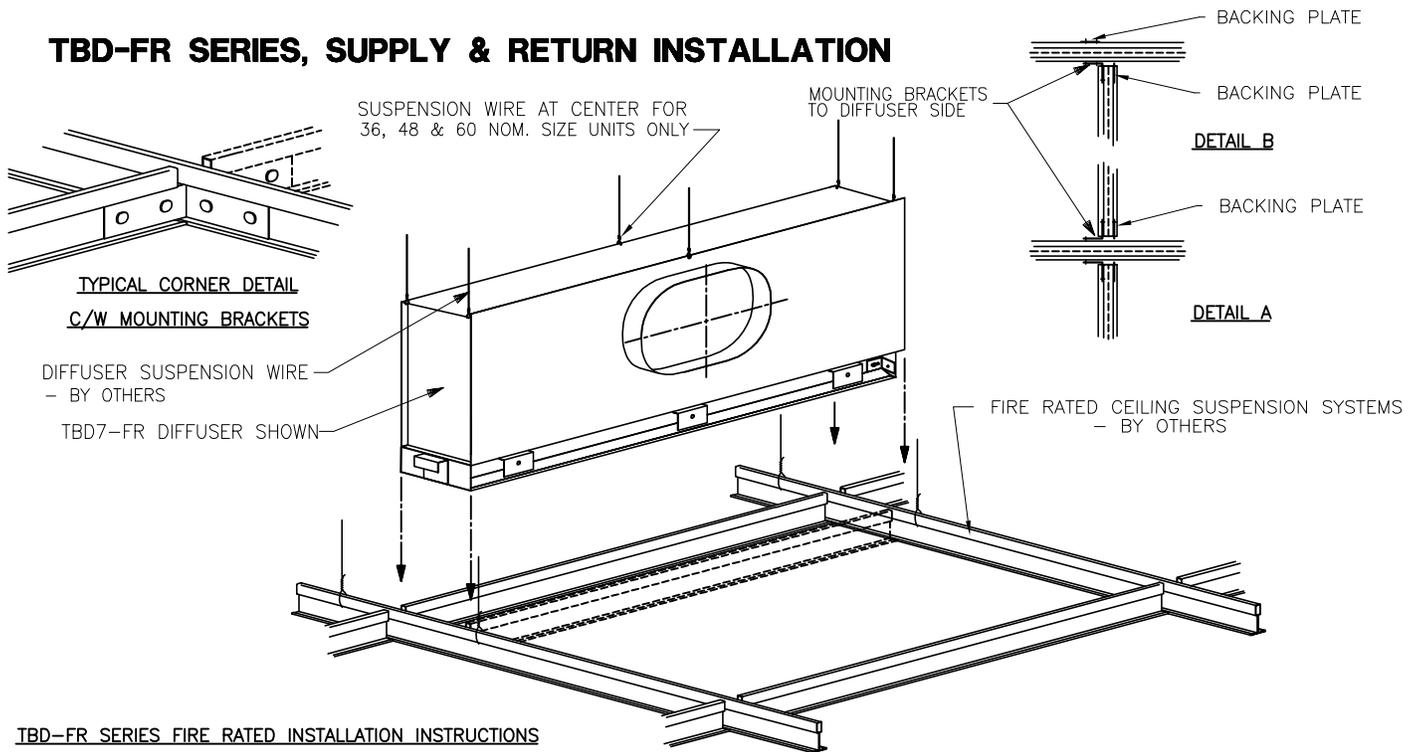
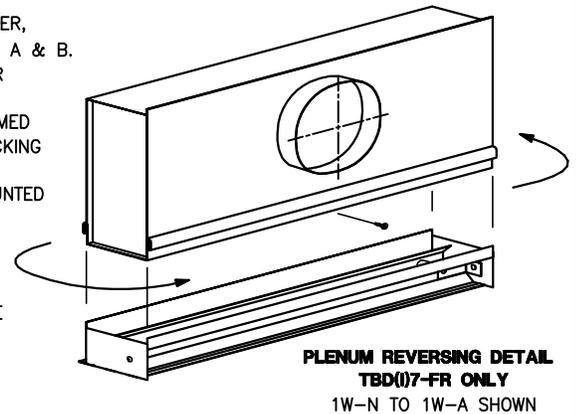


TBD-FR SERIES, SUPPLY & RETURN INSTALLATION



TBD-FR SERIES FIRE RATED INSTALLATION INSTRUCTIONS

- 1) VERIFY THAT THE GRID MODULE IN WHICH THE DIFFUSER IS TO BE INSTALLED IS SUSPENDED ACCORDING TO THE RECOMMENDATIONS OF THE FIRE RATED TEE BAR MANUFACTURER.
- 2) IF THE STANDARD CEILING REGIMENTATION DOES NOT MATCH THE DIMENSIONS OF THE DIFFUSER, AN EXTRA CROSS TEE MUST BE SECURELY MOUNTED USING THE BRACKETS SHOWN IN DETAIL A & B. UNDER THESE CONDITIONS THE FOLLOWING MOUNTING BRACKET, BACKING PLATE AND TEE BAR COMBINATIONS MUST BE USED.
IF THE DIFFUSERS ARE TO BE INSTALLED END FOR END THEN THE END TABS MUST BE TRIMMED OFF AND EACH CROSS TEE JOINT REQUIRES THE USE OF TWO MOUNTING BRACKETS AND BACKING PLATES AS SHOWN IN DETAIL A.
IF THE DIFFUSERS ARE TO BE MOUNTED SIDE BY SIDE IN SERIES THEN THE CROSS TEE MOUNTED BETWEEN THEM REQUIRES THE USE OF TWO MOUNTING BRACKETS AND BACKING PLATES AT EACH CROSS TEE JOINT AS SHOWN IN DETAIL A.
IF THE DIFFUSERS ARE TO BE INSTALLED INDIVIDUALLY, THEN ONE MOUNTING BRACKET AND TWO BACKING PLATES ARE REQUIRED FOR FOR EACH TEE BAR JOINT AS SHOWN IN DETAIL B. TO INSTALL THE BRACKETS, DRILL HOLES (#30 DRILL .128" DIA.) IN THE TEE BAR USING THE BRACKET AS A GUIDE AND FASTEN THE BRACKETS AND BACKING PLATES IN PLACE USING 1/8" DIA x 1/4" LONG STEEL POP RIVETS (SD42BS) OR #8 SHEET METAL SCREWS.
- 3) ENSURE THAT ALL FOUR CORNERS OF THE GRID MODULE, THAT THE DIFFUSER IS TO BE INSTALLED INTO, ARE SUPPORTED BY 12 GA. GALVANIZED STEEL WIRE.
- 4) PLACE THE DIFFUSER INTO THE GRID AND ENSURE THAT ALL THE REMAINING SAFETY CLIPS HAVE HOOKED OVER TOP OF THE TEE BAR.
- 5) WITHOUT LIFTING THE DIFFUSER OFF THE GRID MODULE, THE FULL WEIGHT OF THE UNIT MUST BE SUPPORTED USING 12 GA. GALVANIZED STEEL WIRE WHICH IS LOOPED THROUGH THE MOUNTING HOLES IN THE TOP OF THE DIFFUSER AND ATTACHED TO AN APPROVED CEILING SUPPORT. CARE MUST BE TAKEN TO ENSURE THAT NO WIRES ARE KINKED OR SLACK.
- 6) THE TWO SIDE TEE BARS MUST BE SCREW MOUNTED TO THE DIFFUSER AT THEIR MIDPOINT. DRILL A .128" DIA. HOLE (#30 DRILL) THROUGH THE TEE BAR AND DIFFUSER SIDE CLIP USING THE MIDPOINT OF THE SAFETY CLIP AS A GUIDE. FASTEN THE TEE BAR AND CLIP BY USING #8 X 375 SHEET METAL SCREWS.
- 7) THE DIFFUSER CAN BE CONNECTED TO THE SUPPLY DUCT BY USING A SOLID OR FLEXIBLE DUCT CONNECTION. IF A FLEXIBLE CONNECTION IS USED, MAKE SURE THAT IT BEARS THE ULC/UL CLASSIFICATION, CLASS 1 OR CLASS 2.



NOTE: REVERSIBLE AIR PATTERN
THE AIR PATTERN CAN BE CHANGED ON THE JOB SITE BY REMOVING THE SELF-PIERCING SCREWS, SEPARATING THE PLENUM AND DIFFUSER SECTIONS, ROTATING THE PLENUM 180° AND REINSTALLING THE SELF-PIERCING SCREWS AFTER PLENUM AND DIFFUSER SECTIONS HAVE BEEN REJOINED. AS SHOWN IN DETAIL ABOVE.



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

PROJECT:		PRICE®	TBD-FR SERIES SUPPLY & RETURN INSTALLATION INSTRUCTIONS
ENGINEER:			
CUSTOMER:		228795	
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