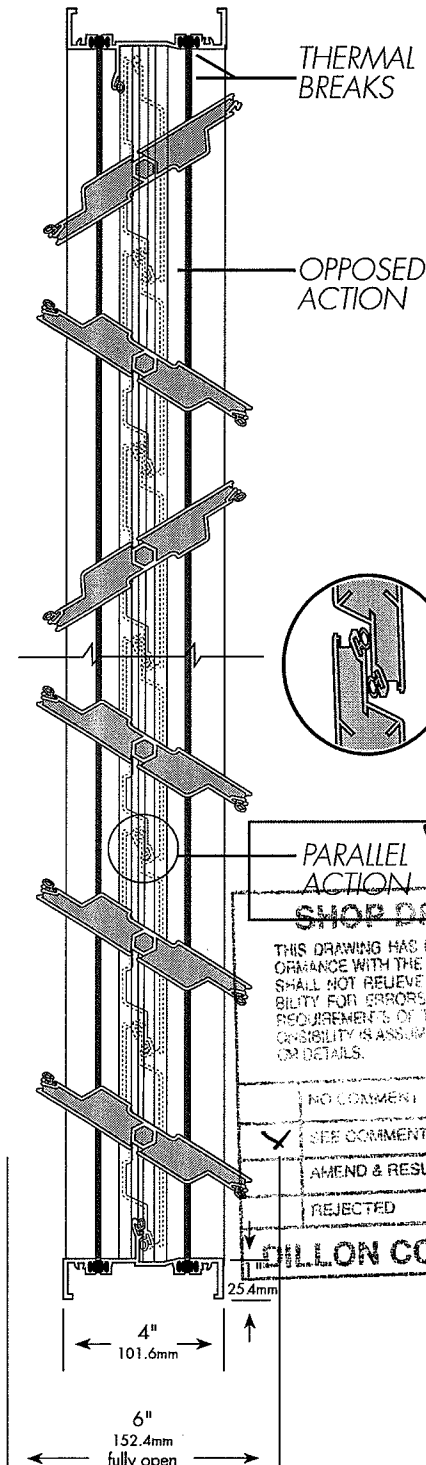
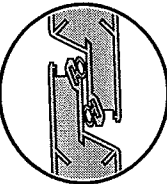


# SPECIFICATIONS

## S E R I E S 9 0 0 0 E C T EXTREME COLD TEMPERATURE OPTION



- Extruded aluminum (6063T5) damper frame is not less than .080" (2.03mm) in thickness. Damper frame is 4" (101.6mm) deep.
- Entire frame shall be thermally broken by means of polyurethane resin pockets complete with thermal cuts.
- Blades are extruded aluminum (6063T5) profiles, internally insulated with expanded polyurethane foam and are thermally broken. Complete blade has an insulating factor of R-2.29 and a temperature index of 55.
- Blade and frame seals are extruded, extremely flexible silicone and secured in an integral slot within the aluminum extrusion. Silicone formula is the same as that used by NASA for its Aerospace program.
- Seals remain flexible down to -100°F (-73°C).
- Bearings are composed of a Celcon inner bearing fixed to a 7/16" (11.1mm) aluminum hexagon blade pin, rotating within a polycarbonate outer bearing inserted in the frame, resulting in no metal-to-metal or metal-to-plastic contact.
- Linkage hardware is installed in the frame side and constructed of aluminum and corrosion-resistant, zinc-plated steel, complete with cup-point trunnion screws for a slip-proof grip.
- Dampers are designed for operation in temperatures ranging between -100°F (-73°C) and 185°F (85°C).
- Dampers are available with either opposed blade action or parallel blade action.
- Leakage does not exceed 3 cfm/ft.<sup>2</sup> (15.2 l/s/m<sup>2</sup>) against 1" (.25 kPa) w.g. differential static pressure.
- Dampers are made to size required without blanking off free area.
- Damper is available in "Flanged to Duct" mounting type.
- Installation of dampers must be in accordance with current manufacturer's installation guidelines provided with each shipment of TAMCO dampers. (Note that all technical information available on TAMCO's web site at [www.tamco.ca](http://www.tamco.ca) supersedes and takes precedence over all information contained within the printed catalog.)
- Intermediate or tubular steel structural support is required to resist applied pressure loads for dampers that consist of two or more sections in both height and width. (See TAMCO Aluminum Damper Installation Guidelines)



PARALLEL ACTION

### SHOP DRAWING REVIEW

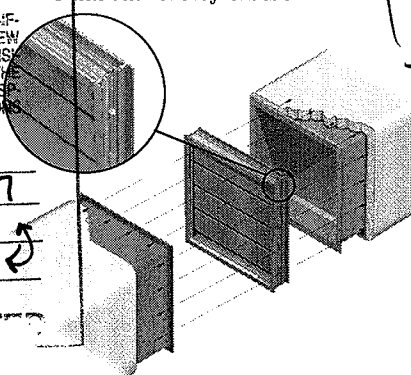
THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR DETAILS.

NO COMMENT
✓ SEE COMMENTS
AMEND & RESUBMIT
REJECTED

Submission No. 1  
Project No. 078107  
By 7-5-10  
Date JLY

DILLON CONSULTING LIMITED

"FLANGED TO DUCT" TYPE  
2" added to duct width & height dimensions



→ 48" x 24" ED-1  
Parallel blade 10-1

→ 12" x 12" OD-2  
to be opposed blade

#### Note:

- Suitable for operation in breathable air environments within stated temperature range.
- Dampers sized for duct openings exceeding 37 1/2" (953mm) in height are equipped with a stiffener bar at mid-height to strengthen and maintain air leakage tolerances.
- Not available as 4" only blade type.

#### For additional information, refer to:

- Series 9000 BF Specification Sheet
- Series 9000 BF, 9000 ECT, 9000 SC & 9000 SW Pressure Drop
- Series 9000 BF, 9000 ECT, 9000 SC & 9000 SW Free Area Charts
- Aluminum Standard Configurations
- TAMCO Aluminum Damper Torque Requirements
- Multiple-Section Horizontal Jack Shafts
- Configurations Using Vertical Jack Shafts
- Multiple-Section Damper Jumpers
- Square-to-Round Transition Option
- TAMCO Aluminum Damper Installation Guidelines