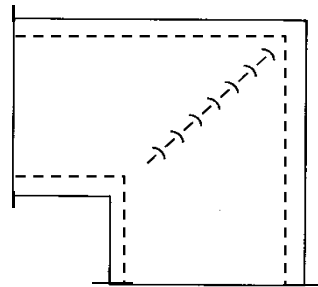
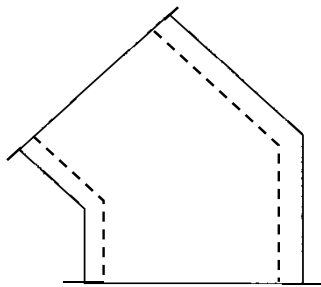




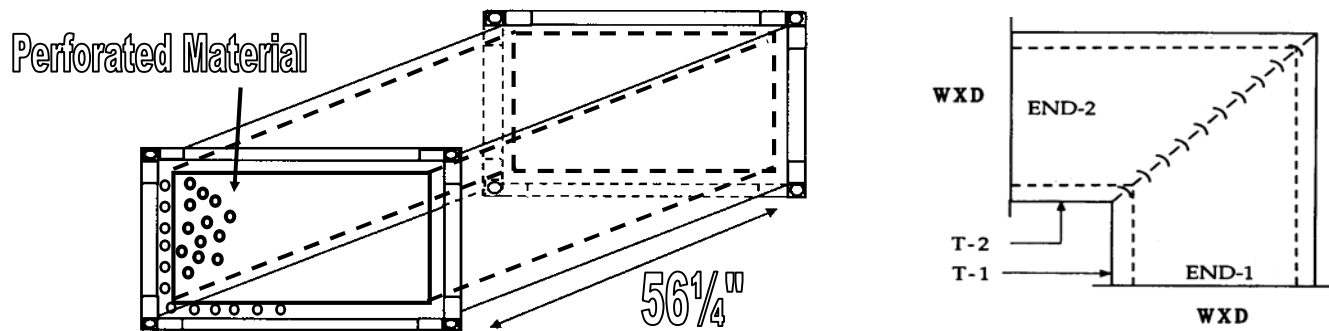
Double Wall Rectangular Duct & Fittings

ALUMINUM, GALVANIZED, GALVANNEAL, PVC AND STAINLESS STEEL



**9865 WAYNE AVENUE • CINCINNATI, OHIO 45215
PHONE (513) 733-5955 FAX (513) 733-8050**

Double Wall Rectangular Duct & Fittings Specifications



General : Provide static pressure, quantity, type, size and connection for fittings and ductwork. All double wall sizes are inside dimension.

Construction : Double wall rectangular duct and fittings to be fabricated in accordance with 2005 SMACNA "HVAC Duct Construction Standards, Metal and Flexible. Conform to the requirement in the referenced standards for metal thickness, conduits and tie rod applications and joint types. External reinforcement is to be field installed and coordinated with duct hangers.

Metal : Galvanized Steel of ASTM Standard A527 and 2005 SMACNA Standards.

Fittings : Bead duct sizes that are 19" and larger, longitudinal seam shall be pittsburgh lock. Fabricate elbows, transitions, offsets, mitered elbows (turning vanes are available by request) and 90° branch connections in accordance with SMACNA 2005 standards.

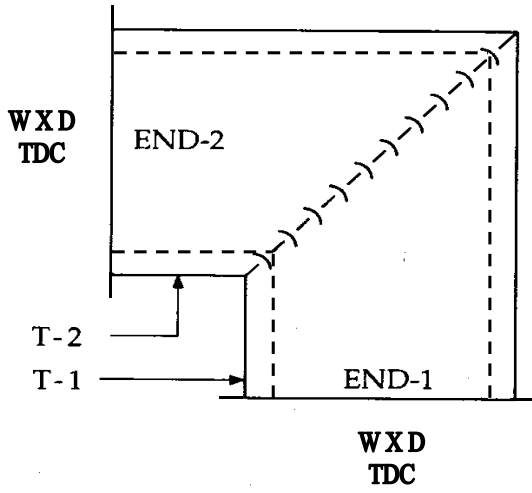
Ductwork : Bead duct sizes that are 19" and larger, longitudinal seam shall be pittsburgh lock. Standard TDC ductwork length is 56 1/4".

Connections : Double wall ductwork and fittings are TDC flange connection.

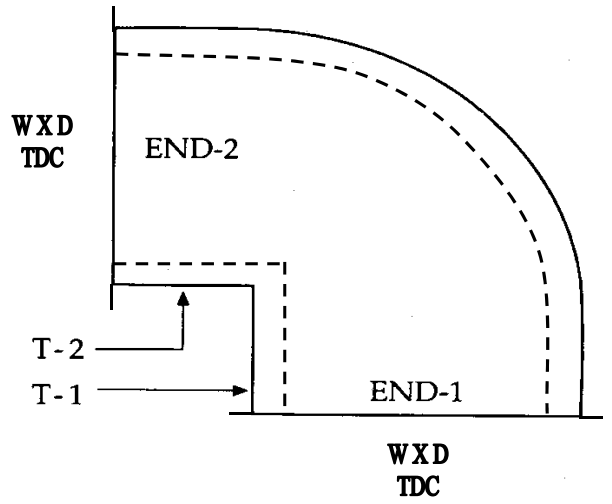
Inner Liner : *Ductwork & Fittings:* 22 Gauge Perforated with 3/32" holes on 3/16" staggered centers and has a 22% open area. Solid galvanized inner liner is available by request.

Insulation : ToughGuard™ 1" thick liner per specification on page 64 & 65 of this catalog. Unless specified otherwise. Liner to be secured with adhesive and mechanical fasteners per SMACNA.

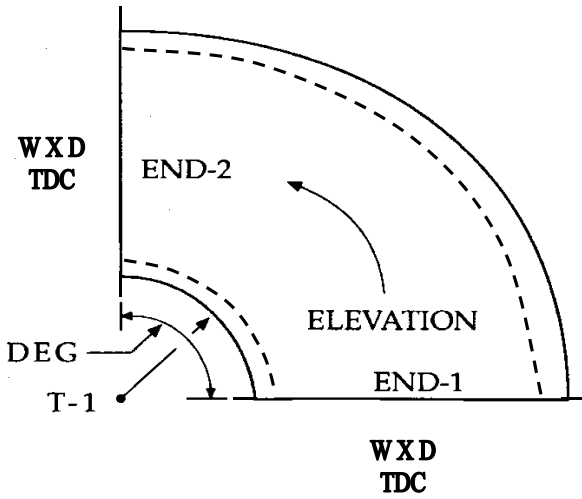
Sealant : Non- hardening, non- migrating mastic or liquid elastic sealant specifically for sealing fittings or longitudinal seams in ductwork. (Seal class A or B, N/A for seal class C and 2" W.G.)



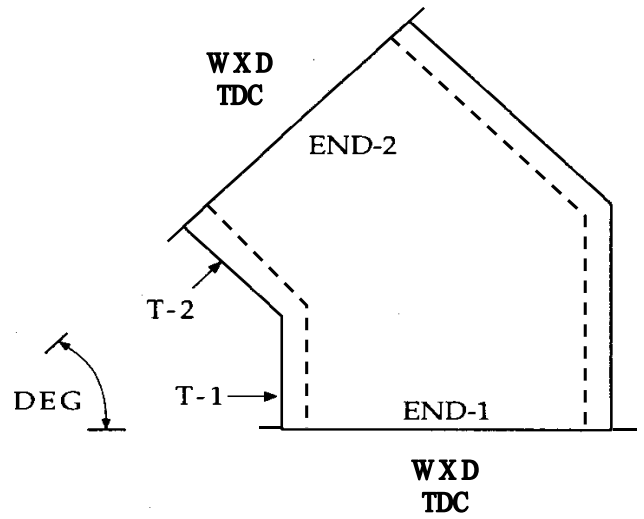
SQUARE 90° ELBOW



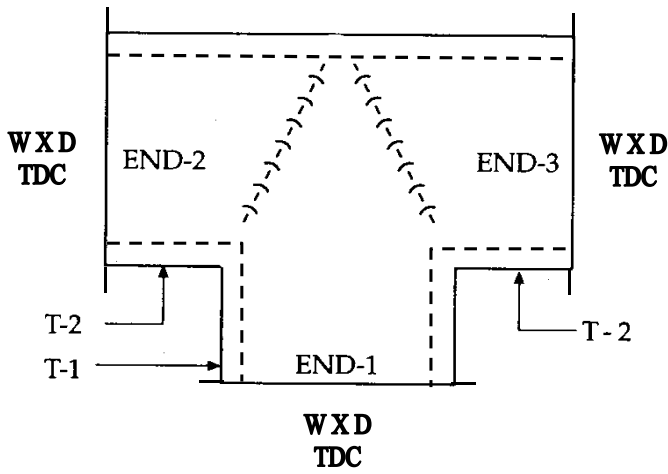
SQUARE THROAT RADIUS HEEL ELBOW



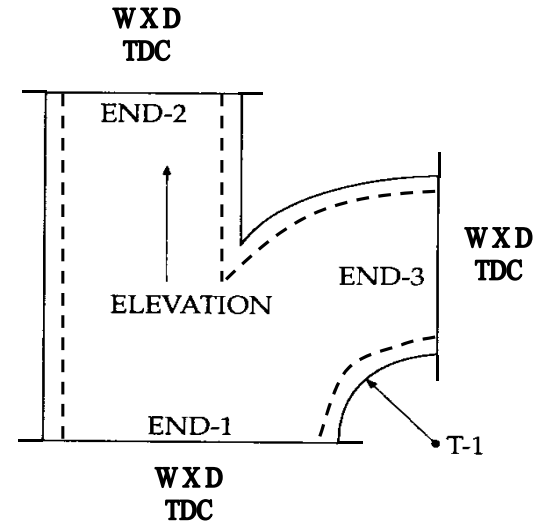
RADIUS ELBOW



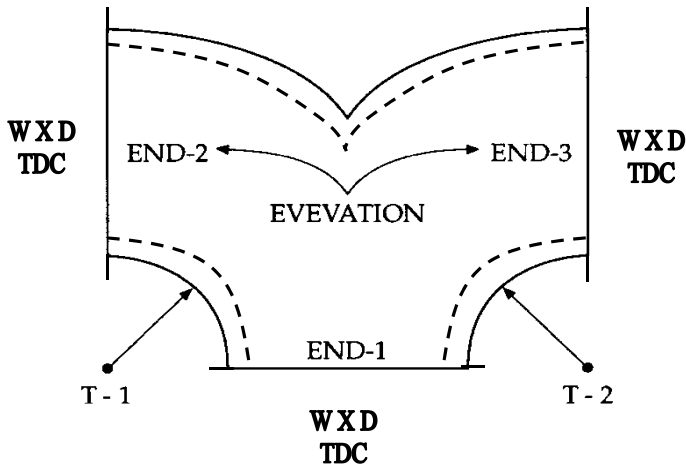
ANGLE ELBOW



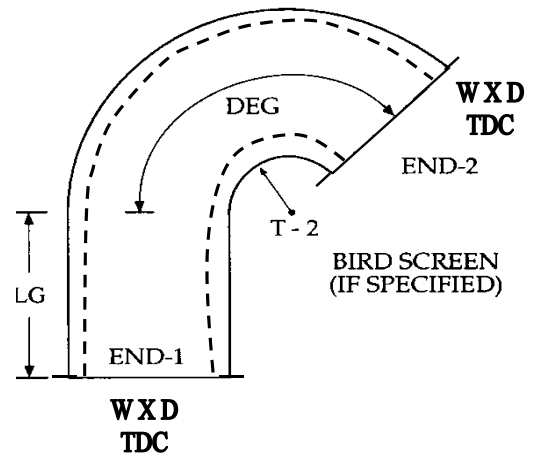
SQUARE TEE



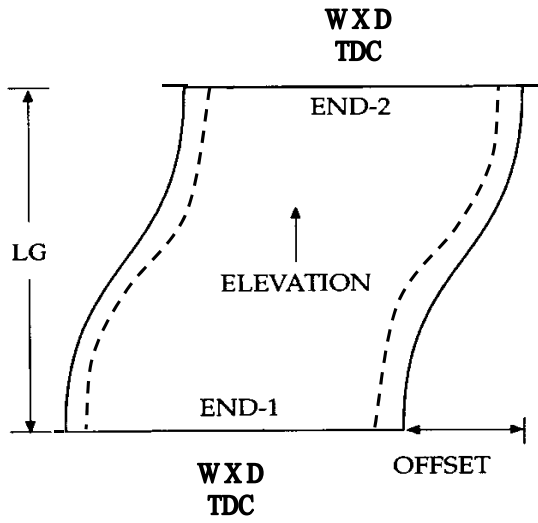
RADIUS SIDE TAKEOFF



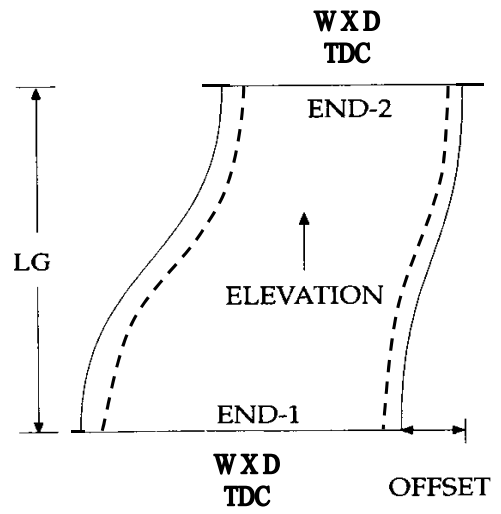
RADIUS TEE



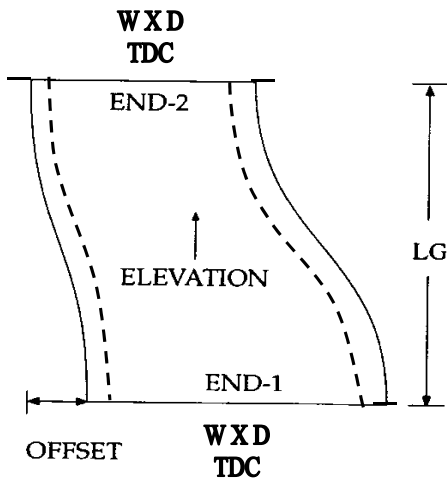
ANGLE ELBOW



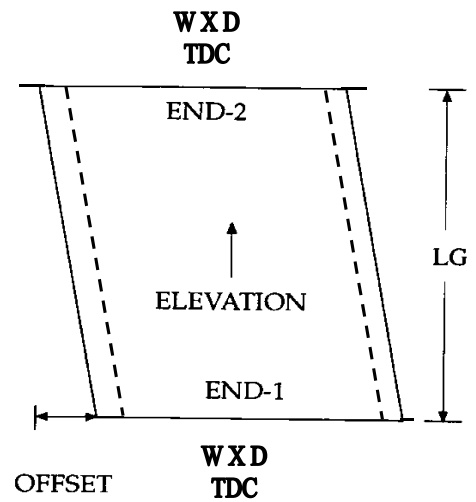
LEFT TO RIGHT / O.G. OFFSET



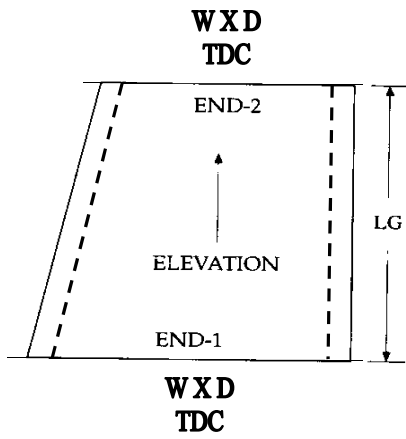
TRANSITION LEFT TO RIGHT / O.G. OFFSET



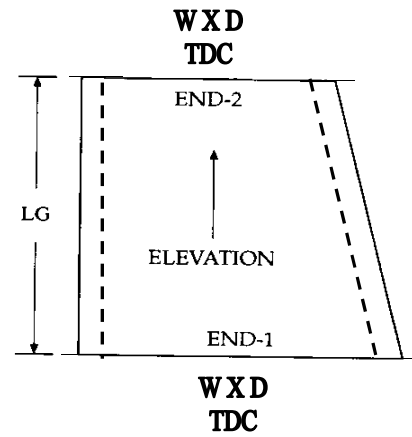
TRANSITION RIGHT TO LEFT / O.G. OFFSET



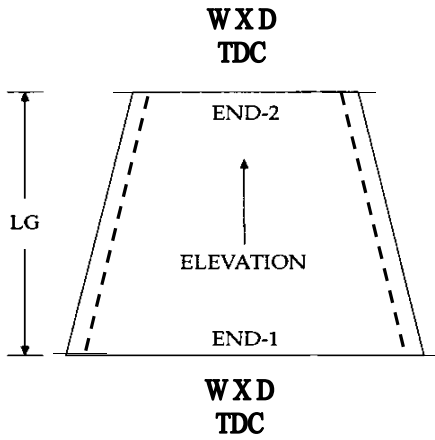
RIGHT TO LEFT / DOG LEG OFFSET



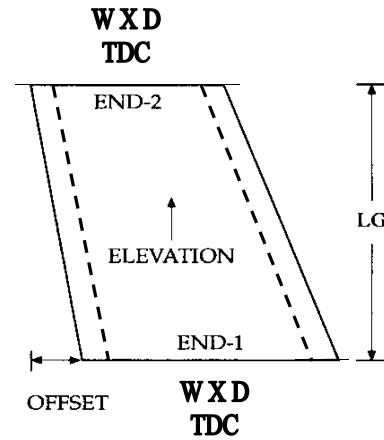
STRAIGHT RIGHT TRANSITION



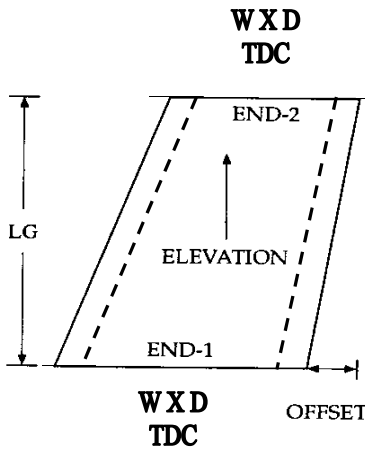
STRAIGHT LEFT TRANSITION



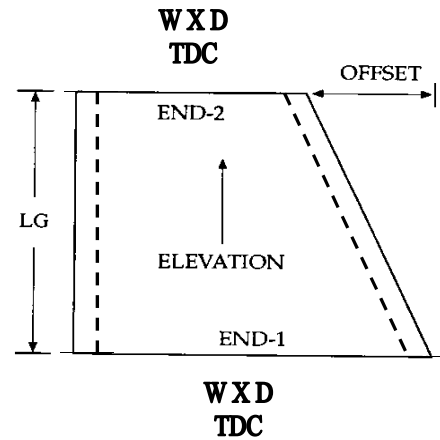
CENTERLINE TRANSITION



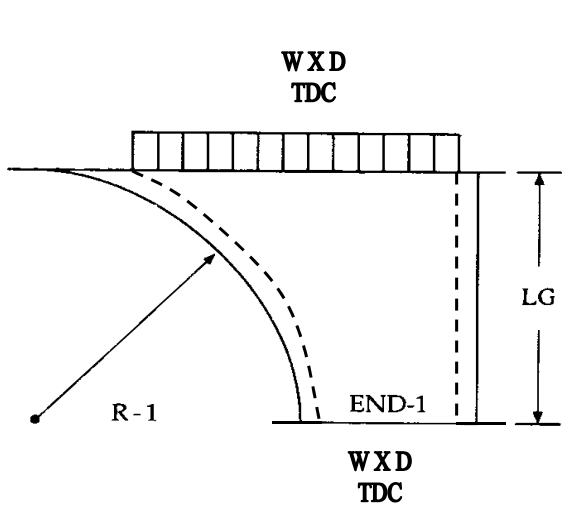
TRANSITION RIGHT to LEFT / DOG LEG OFFSET



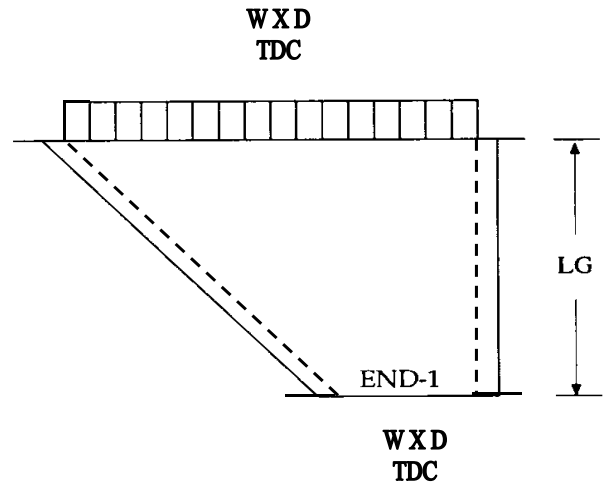
TRANSITION LEFT to RIGHT / DOG LEG OFFSET



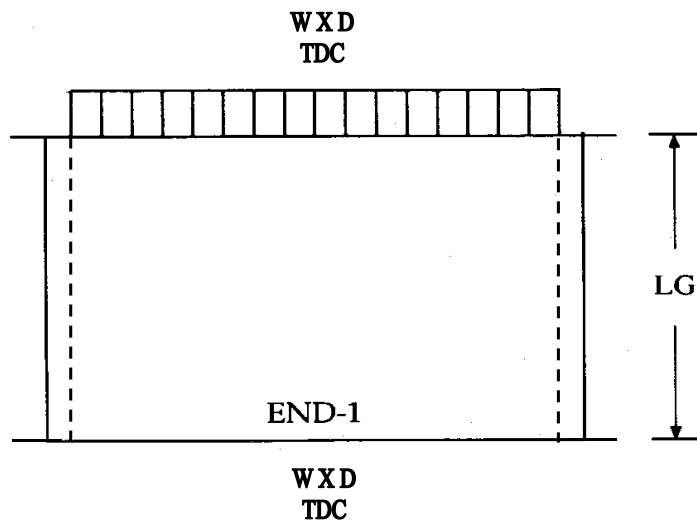
TRANSITION OFFSET



RADIUS TAP



45° ANGLE TAP



STRAIGHT TAP