B-5, B-10, B-15 & B-20 INLETS PROVIDED WITH WINGS FOR B-25, ETC. WHERE SUITABLE (SEE DRAWING FOR WING DETAIL) 24" DIAMETER ACCESS MULTIPLE INLETS MAY BE PROVIDED WITH A SHORT "FEEDER" PIPE FOR CONNECTING INLETS TO PROVIDE LARGER INLET CAPACITY AS REQUIRED. INLET BOX DETAIL **CURB INLETS ARE ALSO AVAILABLE AS SPECIAL ORDER ITEMS WITH AN INSIDE WIDTH OF 3'-6" VCP ITEM #B-5 (24) CURB INLET 6'-0" FOR B-5, 11'-0" FOR B-10 16'-0" FOR B-15, 21'-0" FOR B-20 VCP ITEM #B-10 (24) CURB INLET 5'-0" FOR B-5, 10'-0" FOR B-10 VCP ITEM #B-15 (24) CURB INLET 15'-0" FOR B-15, 20'-0" FOR B-20 VCP ITEM #B-20 (24) CURB INLET CONTRACTOR TO PLACE FLOW INVERT AS REQUIRED WEIGHTS: 2'-6"** 3'-6" B-5 TOP: ~3,220 LBS. B-10 TOP: ~5.300 LBS. B-15 & B-20 JOINT LOCATIONS VARY AS REQ'D. BOX WEIGHTS VARY WITH SIZE & DEPTH 5"X5"X3" ANGLE IRON CAST IN FRONT FACE OF TOP SECTION. ANGLE IRON ANCHORED INTO FACE OF TOP SECTION BY USING #4 L-SHAPED **PLAN VIEW** REBARS WITH ONE 6" & ONE 18" LEG. THE 6" LEG OF L BARS TO BE WELDED TO OPPOSITE ENTIRE TOP PERIMETER EDGES OF TOP SECTION ARE LEGS OF ANGLE IRON @ 12" O.C., THE 18" LEG CHAMFERED ON 2'-6" WIDE B-5 & B-10 INLETS, OTHERWISE OF L BARS TO PROJECT INTO TOP SECTION PERIMETER IS ROUNDED WITH CONCRETE EDGER BOTTOM FLANGE 24" DIA. BOLTED TOP SECTION RING & COVER (SEWER) 6" 1" TAPER ON INSIDE WALLS OF 18' CURB INLET TOP TO ALLOW OPEN REMOVAL FROM FORM FRONT #4 DOWEL BAR REPLACEMENTS CAST IN AND PROVIDED TO TIE INTO LAP JOINT BETWEEN **VARIES*** SECTIONS (TYP.), CAST-IN-PLACE GUTTER @ 12" O.C. SEALED W/ CONSEAL; PIPING BLOCKOUTS VAULT TYPE LAP VARIES* AS REQUIRED JOINT USED FOR B-15 & B-20 INLETS (JOINT LOCATION MAY VARY) NOTES: FRONT VIEW SECTION VIEW - CONCRETE: 5,000 P.S.I. MINIMUM - REINFORCING: GRADE 60 MINIMUM BOTTOM SECTION - DESIGNED FOR AASHTO HS-20-44 LOADINGS - ALL WALL THICKNESSES TO BE 6" (MINIMUM) PIPING BLOCKOUTS FOR CONTRACTOR TO GROUT IN *BOX DEPTH UP TO 4'-0" I.D. "FEEDER" PIPES IF WINGS ARE REQUIRED *INTERMEDIATE SECTION(S) AVAILABLE FOR INCREASED DEPTH ACTUAL DIMENSIONS OF CONCRETE PRODUCTS MAY VARY SLIGHTLY vaugnn concrete products, inc B-5 - B-20 24-INCH CURB INLET.DWG DATE CREATED: 11/05 UPPATED: 10/10

12650 Tucson Street • Henderson, Colorado 80640 2671 South Greeley Hwy • Cheyenne, Wyoming 82007 10021 Amarillo Blvd East • Amarillo, Texas 79108

PRECAST CONCRETE

URB INI

303-659-3747, Fax 303-659-1333

307-634-0695, Fax 307-634-0694 806-374-3747, Fax 806-335-3717

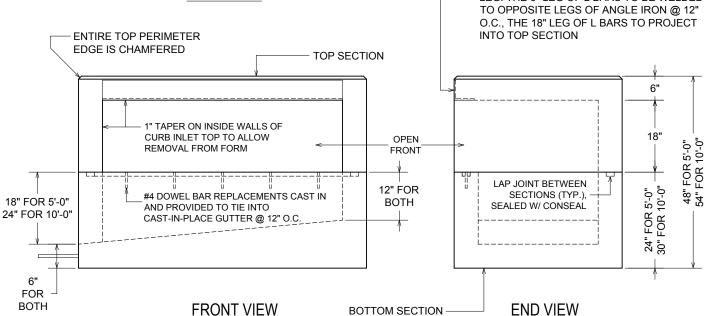
PRECAST CONCRETE CURB INLE

WING DETAIL

VCP ITEM - B-5 CURB INLET WING VCP ITEM - B-10 CURB INLET WING

CONTRACTOR TO PLACE FLOW INVERT AS REQUIRED, CONTRACTOR TO FILL JOINT BETWEEN INLET & WING WITH NON-SHRINK **GROUT**

5"X5"X8" ANGLE IRON CAST IN FRONT FACE OF TOP SECTION. ANGLE IRON ANCHORED INTO FACE OF TOP SECTION BY USING #4 L-SHAPED REBARS WITH ONE 6" & ONE 18" LEG. THE 6" LEG OF L BARS TO BE WELDED TO OPPOSITE LEGS OF ANGLE IRON @ 12" O.C., THE 18" LEG OF L BARS TO PROJECT



(2) $\frac{3}{4}$ " NATURAL COARSE THREAD DOWELS PROVIDED IN EACH WING BOTTOM SECTION FOR VERTICAL ALIGNMENT & TO HELP PULL WING & BOX TOGETHER,

DOWELS TO PROTRUDE 10" FROM WINGS BOTTOM SECTION TO FIT INTO THE 2 HOLES CAST IN THE INLET BOX, WING BOTTOM TO HAVE OPENING IN END

6'-0" FOR 5'-0" WING

11'-0" FOR 10'-0" WING

5'-0" FOR 5'-0" WING 10'-0" FOR 10'-0" WING

PLAN VIEW

WALL TO MATCH OPENING IN CURB INLET BOTTOM SECTION

NOTES:

- CONCRETE: 5,000 P.S.I. MINIMUM
- REINFORCING: GRADE 60 MINIMUM
- DESIGNED FOR AASHTO HS-20-44 LOADINGS
- ALL WALL THICKNESSES TO BE 6" (MINIMUM)

WEIGHTS:

5' WING BOTTOM: ~5,400 LBS.

BOTTOM SECTION -

2'-6" 3'-6"

- 5' WING TOP: ~3.400 LBS.
- 10' WING BOTTOM: ~9,000 LBS.
- 10' WING TOP: ~5,400 LBS.

ACTUAL DIMENSIONS OF CONCRETE PRODUCTS MAY VARY SLIGHTLY

Vaugnn concrete products, inc

B-5 & B-10 CURB INLET WING, DWG DATE CREATED: 11/05

- 12650 Tucson Street Henderson, Colorado 80640 2671 South Greeley Hwy • Cheyenne, Wyoming 82007 10021 Amarillo Blvd East • Amarillo, Texas 79108
- 303-659-3747, Fax 303-659-1333 307-634-0695, Fax 307-634-0694

806-374-3747, Fax 806-335-3717

www.vaughnconcreteproducts.com