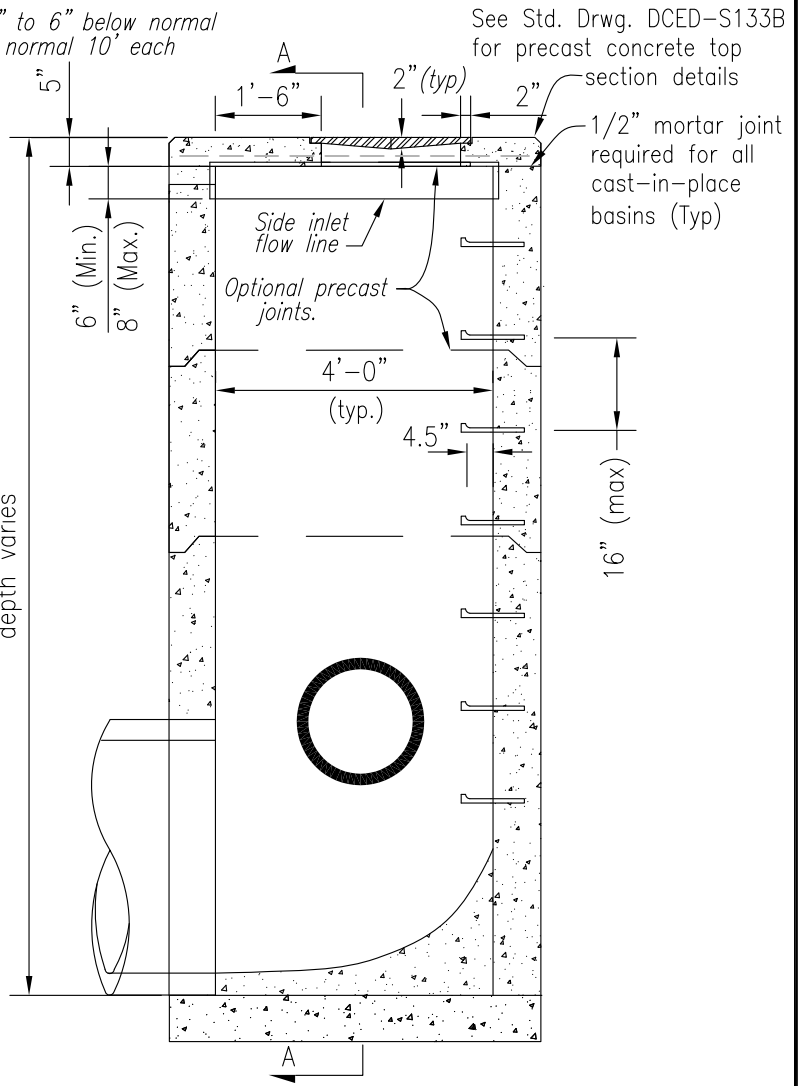
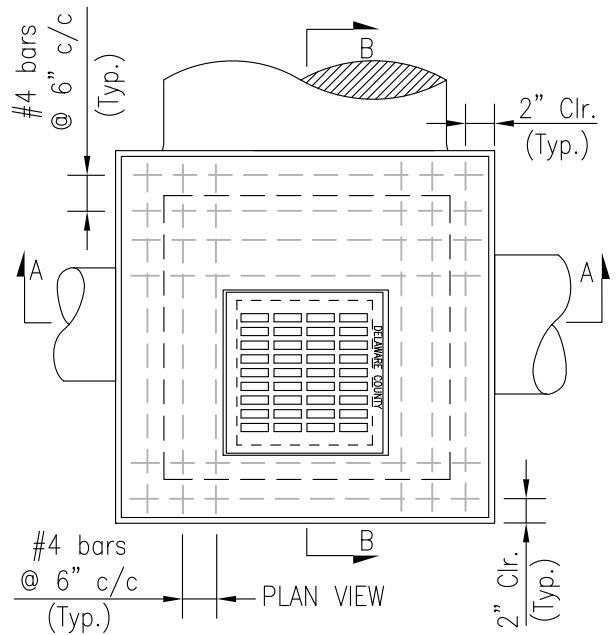


SECTION A-A



SECTION B-B



PLAN VIEW

GRATING The design shall comply with DCED-S139. Minimum weight: 120 pounds. Cast-in-place walls shall have a nominal thickness of 8". Pre-cast walls shall have a minimum thickness of 6" and be reinforced sufficiently to permit shipping & handling without damage. Materials other than concrete may only be used with prior written approval of the County Engineer. Wall thickness shall be 8" nominal and plastered on the outside with 1/2" of lime cement mortar.

CONCRETE shall be Class C. All pre-cast concrete shall meet the requirements of 706.13 and be marked with the catch basin number.

REINFORCING in the top to be #4 epoxy coated bars 6" c/c. For CB 4x4, use 12 bars as shown in detail.

OPENINGS for pipes shall be O.D. +2" when prefabricated or field cut.

LOCATION and elevation when given on the plans is top center of the grate. When side openings are provided, elevation shall be the flow line of the side inlet.

SIDE INLETS shall be provided only when specified on the plans. In no case shall window opening exceed 8" in height.

STEPS shall be provided on all CB 4x4 structures and shall meet the requirements of DCED-S119.

OUTLET PIPE SIZE of CB 4x4 shall be 30" min. to 36" max.

BEDDING shall conform with Item 901.

CHRIS E. BAUSERMAN, P.E., P.S. Delaware County Engineer Delaware County Engineer		STANDARD CONSTRUCTION DRAWING CATCH BASIN 4 x 4 WITH SIDE INLETS AND 2 x 2 GRATE		DELAWARE COUNTY ENGINEER'S OFFICE 50 Channing Street Delaware, Ohio 43015 PHONE: (740)833-2400 FAX: (740)833-2399 www.co.delaware.oh.us	
APPROVED 1-22-2008	REVISED 1-04-2010	Drawn <u>KS</u> Checked <u>EM</u>	sheet <u>4</u> of <u>6</u>	FILE NO. DCED-S133D	