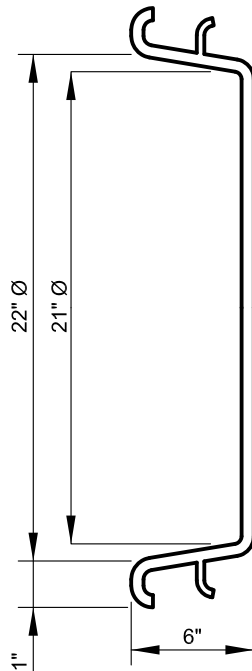
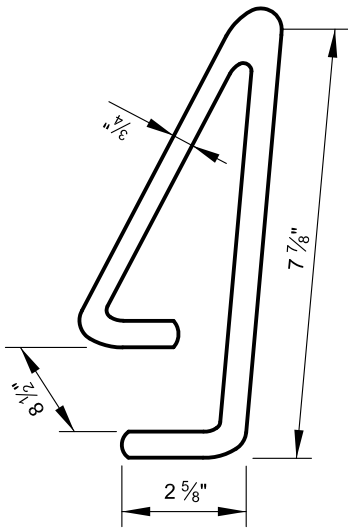


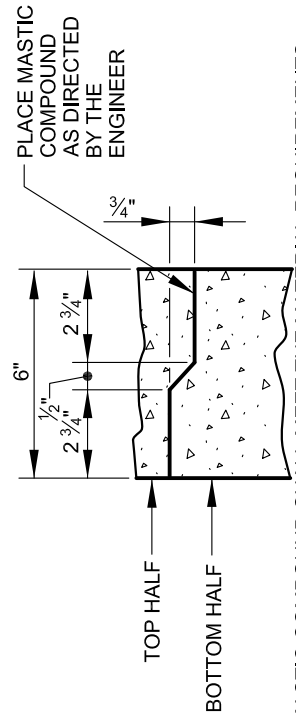
THE FABRICATOR SHALL PROVIDE A MINIMUM OF FOUR LIFTING POINTS FOR EACH SECTION OF PRECAST MANHOLE. LIFTING DEVICES IN ALL STRUCTURES SHALL BE DESIGNED FOR WORKING LOADS WITH A MINIMUM SAFETY FACTOR OF 5 TO 1 BASED ON THE WEIGHT OF THE STRUCTURE AND UTILIZING NO MORE THAN 2 LOAD POINTS. THESE WORKING LOADS SHALL BE COMPENSATED FOR IN THE DESIGN OF THE STRUCTURE AND SHALL BE CONSIDERED INDEPENDENT OF THE IMPOSED DESIGN LOADS.

LIFTING DEVICES



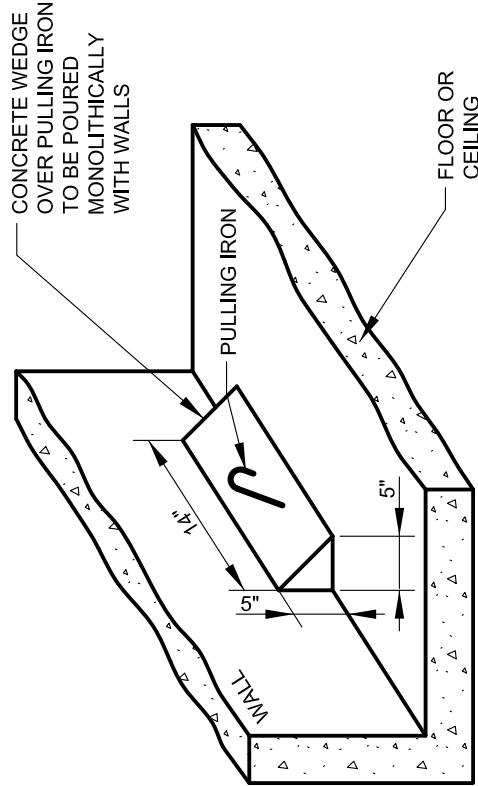
PLASTIC SHALL MEET THE THICKNESS AND MATERIAL REQUIREMENTS SPECIFIED BY THE ENGINEER.

PLASTIC SUMP



MASTIC COMPOUND SHALL MEET THE MATERIAL REQUIREMENTS SPECIFIED BY THE ENGINEER.

JOINT DETAIL



POSITION EACH PULLING IRON OPPOSITE THE CENTER LINE OF EACH KNOCKOUT IN BOTH THE TOP AND BOTTOM HALF OF MANHOLE AND PROVIDE A CLEAR OPENING OF APPROXIMATELY 3 INCHES IN THE EYE. 12 PULLING IRONS ARE REQUIRED FOR EACH PRECAST LINE MANHOLE.

PULLING IRONS SHALL BE HOT DIPPED GALVANIZED STEEL MEETING THE REQUIREMENTS OF ASTM A-36. GALVANIZING SHALL BE CLASS A PER ASTM-153 AND A-386.

PULLING IRON



APPROVED:

Richard J. Baker

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Khalil Zane

DIRECTOR, DEPARTMENT OF TRANSPORTATION

CITY OF BALTIMORE
DEPARTMENT OF TRANSPORTATION
CONDUIT DIVISION

**ACCESSORIES FOR PRECAST
MANHOLES**

ISSUED	REVISED	REVISED
8 / 2010		

STANDARD NO.
BC 826.08

SCALE : NONE

SHEET 1 OF 1