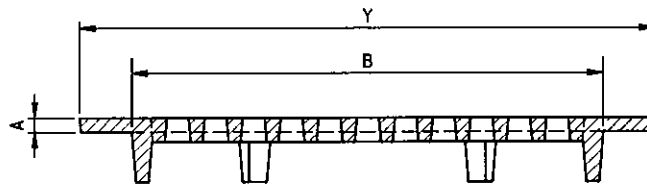


PLAN VIEW



SECTION A-A

TYPICAL LIGHT DUTY GRATE CASTING
NOT TO BE USED IN TRAFFIC AREAS

GRATE DATA						
PIPE SIZE (IN.)	CASTING NUMBER	OVERALL DIA. Y (IN.)	EDGE THICKNESS A (IN.)	DIA. OVER LUGS B (IN.)	WATERWAY OPENING (SQ. IN.)	APPROX. WEIGHT (LBS.)
6	010-6	8	3/4	5-1/2	8	8
8	010-8	10-3/8	3/4	7-1/2	24	12
10	010-10	12-5/8	3/4	9-1/2	35	15
12	010-12	14-3/4	1-1/4	11-1/2	50	21
15	010-15	18-1/4	1-1/4	14-1/2	82	51
18	010-18	22	1-1/4	17-1/2	124	77
21	010-21	25-1/2	1-1/4	20-1/2	192	95
24	010-24	29	1-1/4	23-3/4	257	143
27	010-27	33	1-1/8	26-1/2	273	164
30	010-30	36	7/8	29-1/2	355	211

NOTE:
THIS GRATE CASTING IS DESIGNED FOR USE WITH STANDARD PLATE 4025.

APPROVED FEB. 6, 1997
Gerald J. Robinson
STATE DESIGN ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
GRATE CASTING
FOR ALL PIPE DRAINAGE STRUCTURES

SPECIFICATION REFERENCE
2506

STANDARD PLATE NO.
4150C