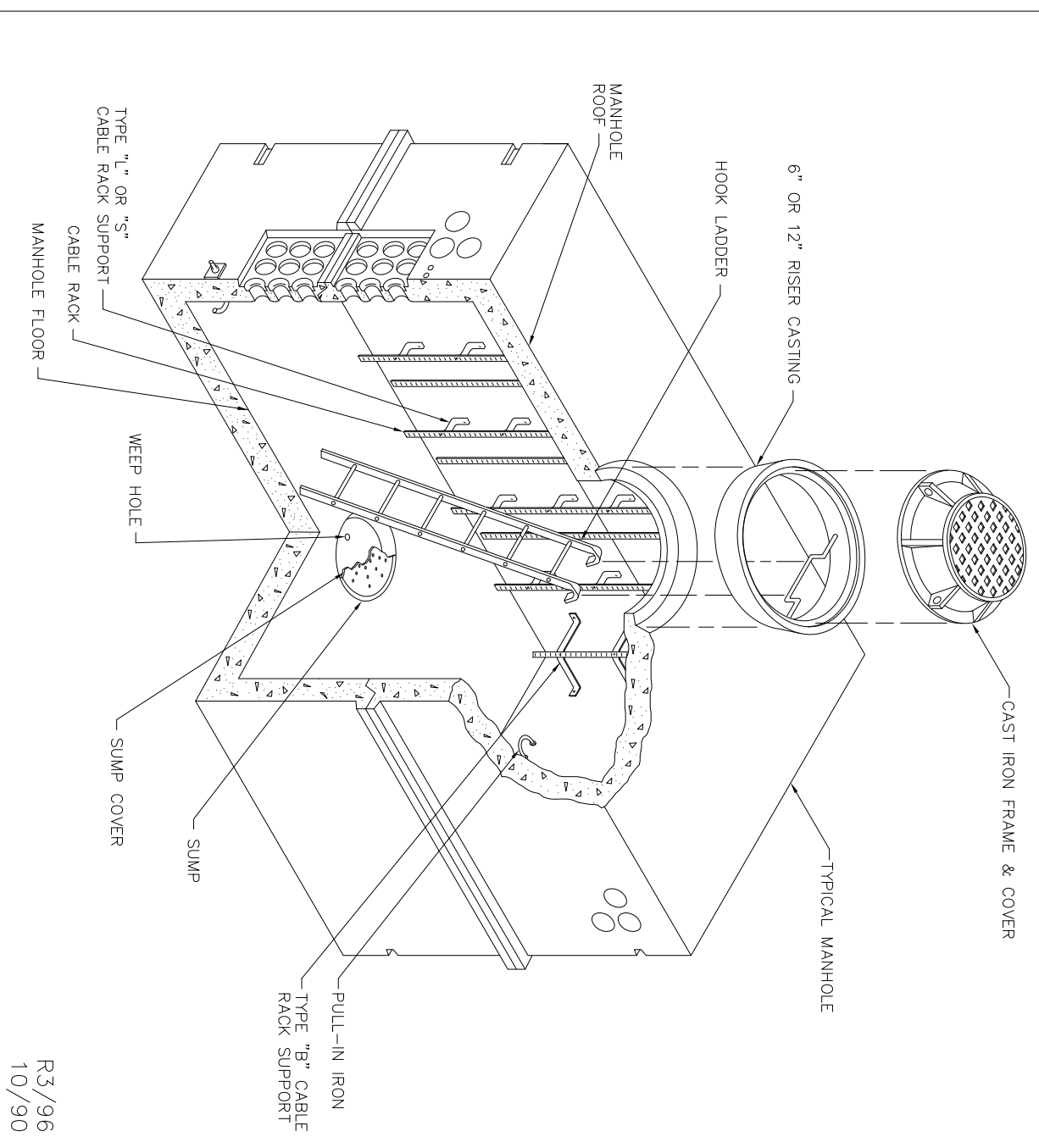


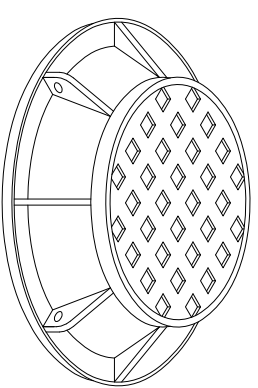
HARDWARE AND ACCESSORIES

Hartford Concrete Products with the assistance of Bell and General Telephone Company representatives have developed and have available standard hardware packages for all of its manholes. Items of the hardware packages are shown with each manhole. Hartford Concrete Products will install all cable rack supports, 1 iron supports, floor/wall channels and cable rack that does not span the casting porting line. Any item that spans the porting line will be packaged in the bottom of the manhole. Two pull-in irons are placed into each type "A" manhole, four in each type "B" manhole, and additional pull-in irons can be installed upon advance customer request. All hardware package contents, are hot dip galvanized per ASTM specification A-123.

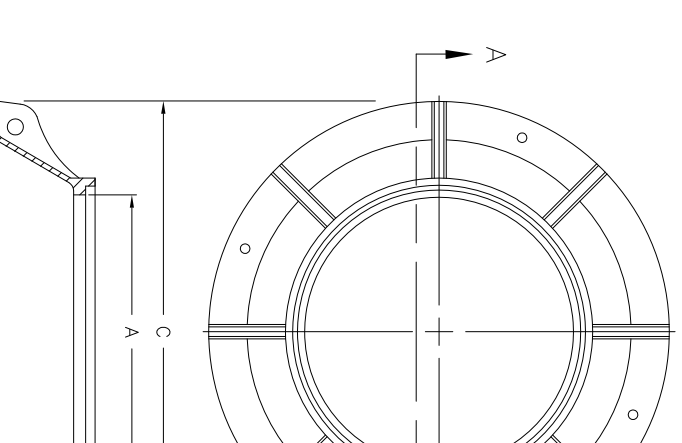
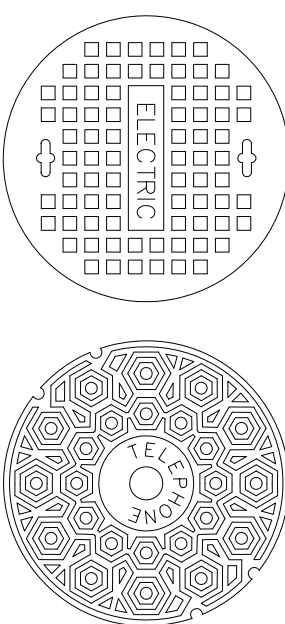


1.1 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

HEAVY DUTY MANHOLE FRAME & COVER



DESCRIPTION	DIMENSIONS			WEIGHT
OPTION	A	B	C	LBS.
OPTION 1	27	5 5/8	46	550
OPTION 2	27	10	46	625
OPTION 3	30	5 5/8	46	600
OPTION 4	30	10	46	695
OPTION 5	30	5 5/8	49	685
OPTION 6	30	10	49	760
OPTION 7	36	10	49	865



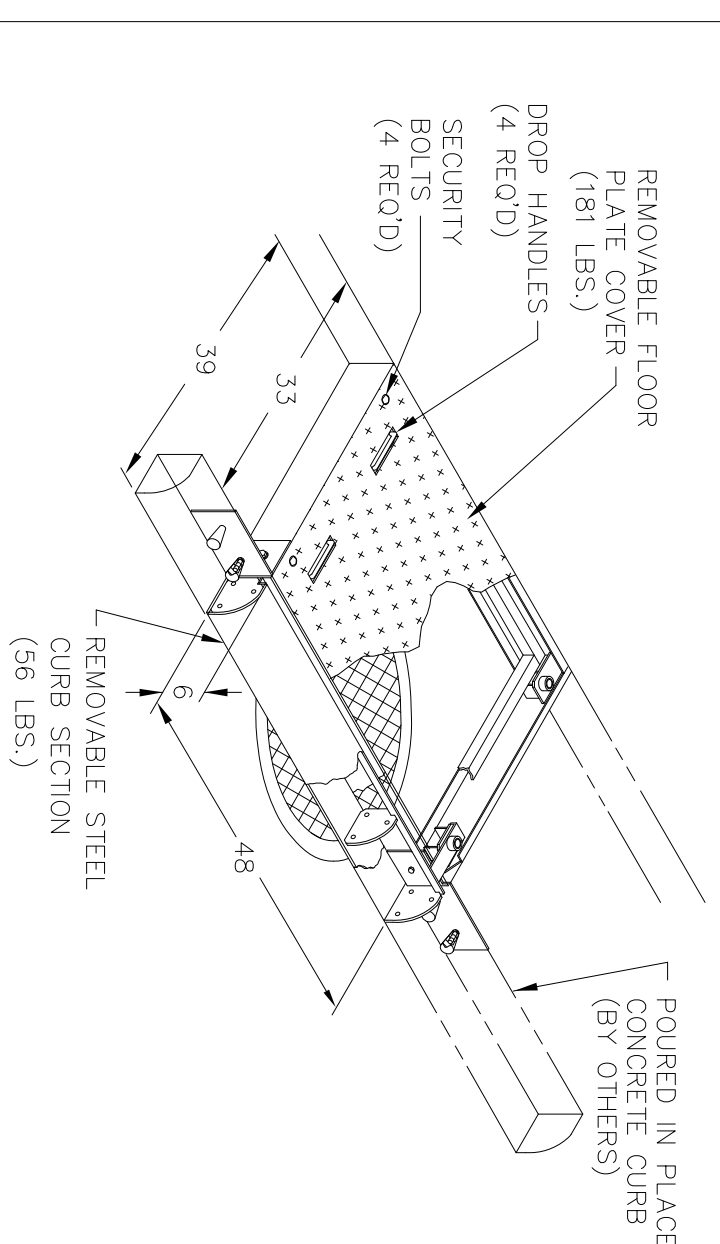
- COVER INSIGNIA
- PLAIN
 - AMERITECH
 - ALIXI
 - BELL
 - CATV
 - COMMUNICATION
 - ELECTRIC
 - TELEPHONE
 - VERIZON
 - OTHER _____

- COVER OPTIONS
- SECURITY BOLTED
 - WATERTIGHT (GASKETED)
 - ELECTRIC
 - DROP HANDLES
 - OTHER _____

1.2 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

MANHOLE CURB ENTRANCE HS20 TRAFFIC RATED

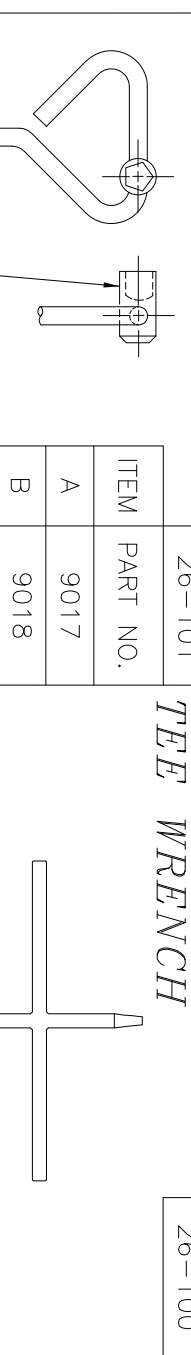
ASSY. NO. 18-000-A



NOTE: CAN BE USED IN ROAD WIDENING PROJECTS. WHEN THE MANHOLE ENTRANCE FALLS IN LINE WITH THE CURB, THE CURB IS MOVED ON REPLACING EXISTING MANHOLE.

1.3 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

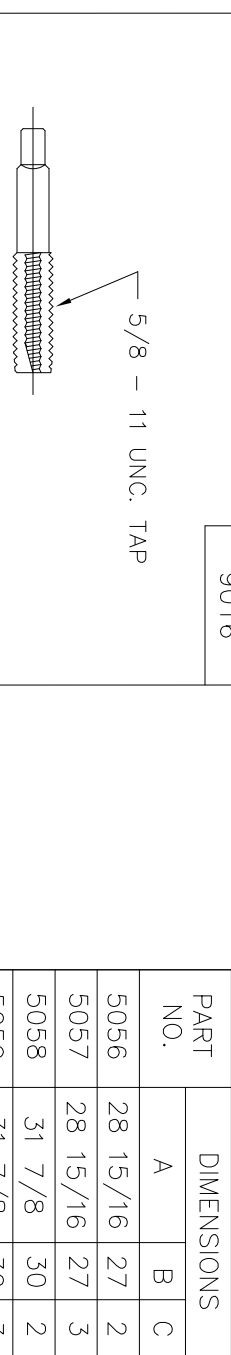
MANHOLE COVER FRAME & COVER SECURITY BOLT TEE WRENCH



ASSY. NO.	26-100
ITEM PART NO.	9017
A	9018
B	9018

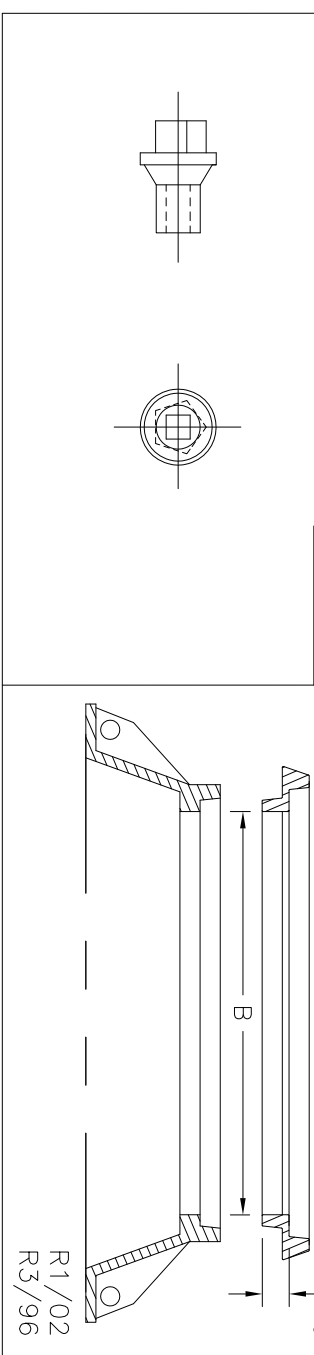
NOTE: Patented head used to align threaded holes.

FRAME & COVER SECURITY BOLT TAP



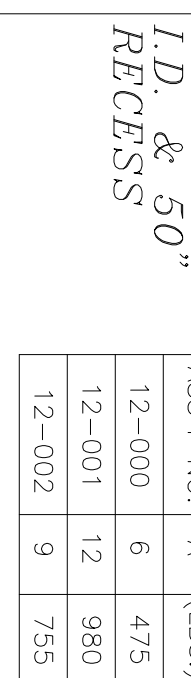
NOTE: EACH ITEM MAY BE PURCHASED SEPARATELY.

PENTAGON HEAD TAP ADAPTOR



1.4 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

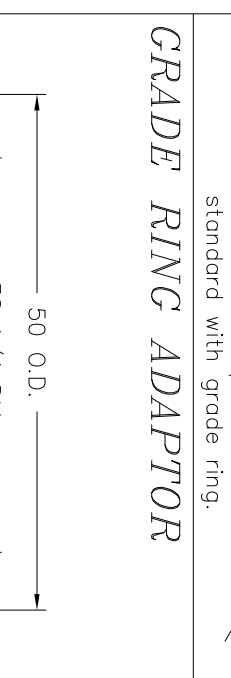
GRADE RING WITH 39" I.D. & 50" RECESS



DIMENSIONS	WT. (LBS.)
ASSY. NO. A	475
12-000	6
12-001	12
12-002	9
	755

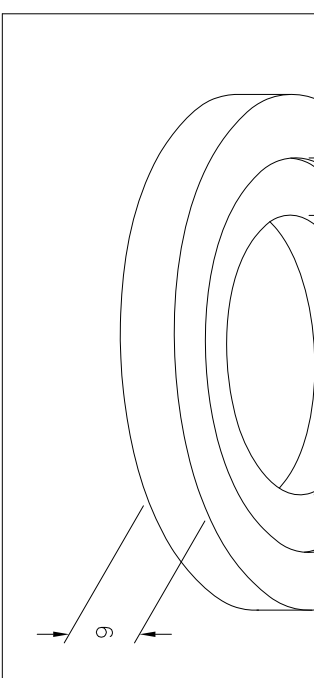
NOTE: Galvanized step is standard with grade ring.

GRADE RING WITH 39" I.D. & 46 1/2" RECESS



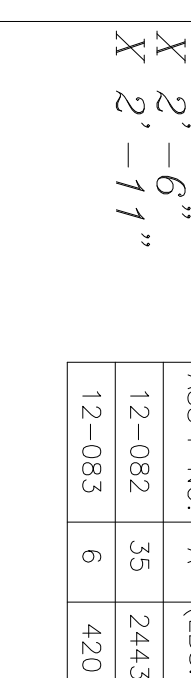
DIMENSIONS	WT. (LBS.)
ASSY. NO. A	440
12-005	6
12-006	9
12-007	12
	860

NOTE: Galvanized step is standard with grade ring.



1.5 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

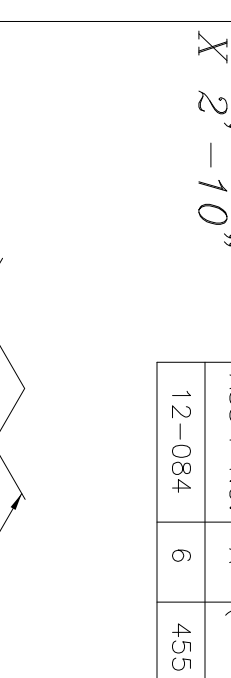
GRADE RING FOR 2'-6" X 2'-6" RECESS



DIMENSIONS	WT. (LBS.)
ASSY. NO. A	2443
12-082	35
12-083	6
	420

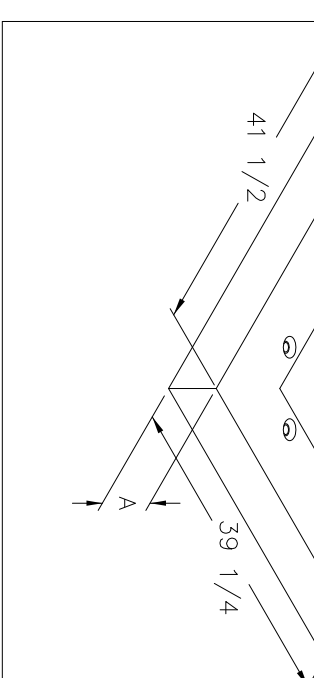
NOTE: Non Stackable

GRADE RING FOR 2'-10" X 2'-10" RECESS



DIMENSIONS	WT. (LBS.)
ASSY. NO. A	455
12-084	6
	455

NOTE: Non Stackable



1.6 1400 NORTH WABASH AVENUE • P.O. BOX 660 • HARTFORD CITY, INDIANA 47348-0660

6			
5			
4	ADDED ADJUSTING RINGS	1/24/02	JAT
3	REVISED PER PJ #01-904	12/7/01	SLM
2	PER SALES	1/97	DAB
1	REVISION	DATE	BY

HARTFORD CONCRETE PRODUCTS, INC.
HARTFORD CITY, INDIANA

DATE: 1/25/90
SCALE: 1"=1'
DRAWN BY: MJC
CHK'D: HDWR
DRAWING NO.: 1/4