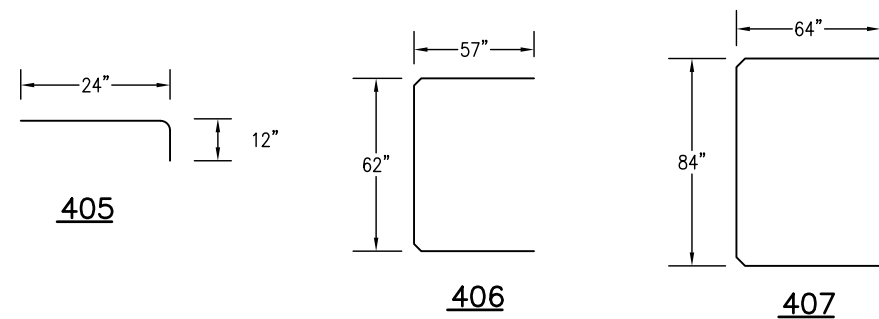


**QUANTITIES FOR ONE 36 IN. INLET**

H	NUMBER OF STEPS REQUIRED	CONC. CU. YD.	STEEL LBS.
4'-0"	1	1.3	180
4'-6"	2	1.5	186
5'-0"	2	1.6	201
5'-6"	2	1.7	207
6'-0"	3	1.8	222
6'-6"	3	1.9	227
7'-0"	3	2.1	243
7'-6"	4	2.2	248
8'-0"	4	2.3	263
8'-6"	4	2.4	269
9'-0"	5	2.5	285
9'-6"	5	2.7	289
10'-0"	5	2.8	306
10'-6"	6	2.9	310
11'-0"	6	3.0	326
11'-6"	6	3.1	331

**NOTES**

1. CONCRETE QUANTITY INCLUDES VOLUME OCCUPIED BY PIPES.
2. REINFORCING STEEL QUANTITY ASSUMES TWO 503 HOOPS FOR EACH 24 IN. PIPE.
3. BARS NUMBERED IN 400 SERIES INDICATES #4 SIZE BAR. BARS NUMBERED IN 500 SERIES INDICATES #5 SIZE BAR.
4. ALL REINFORCING BARS SHALL BE GRADE 40 AND EPOXY COATED.



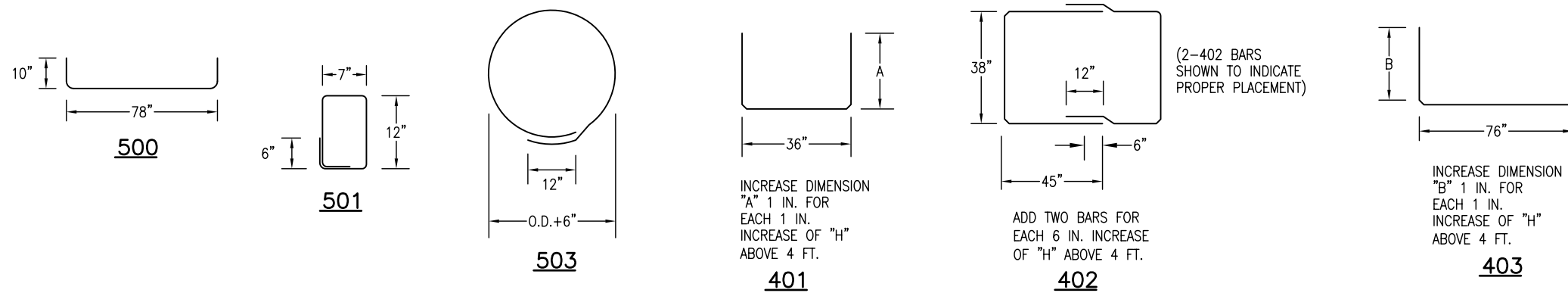
**INLET APRON BENDING DIAGRAM FOR 36 IN. INLET**

MARK	NO. REQ'D	LENGTH (EACH)
405	9	3'-0"
406	1	14'-8"
407	1	17'-8"

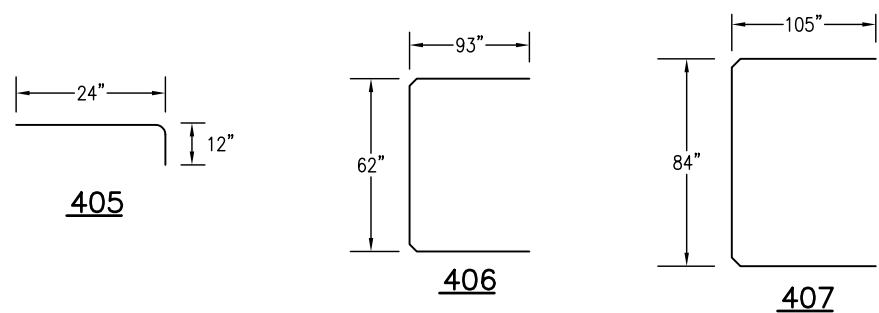
**BAR LIST FOR CONCRETE APRON**  
(FOR INFORMATION ONLY)

MARK	NO. REQ'D	HEIGHT "A"	HEIGHT "B"	LENGTH (EACH)
500	4			5'-2"
501	3			4'-2"
503	4			10'-5"
401	4	3'-10"		10'-8"
402	10			7'-8"
403	4		4'-0"	11'-4"

**BAR LIST FOR H = 4'-0" 36 IN. INLET**



**72 IN. INLET BOX BENDING DIAGRAM**



**INLET APRON BENDING DIAGRAM FOR 72 IN. INLET**

MARK	NO. REQ'D	LENGTH (EACH)
405	13	3'-0"
406	1	20'-8"
407	1	24'-6"


**BAR LIST FOR CONCRETE APRON**  
(FOR INFORMATION ONLY)

MARK	NO. REQ'D	HEIGHT "A"	HEIGHT "B"	LENGTH (EACH)
500	4			8'-2"
501	6			4'-2"
503	4			10'-5"
401	7	3'-10"		10'-8"
402	10			10'-8"
403	4		4'-0"	14'-4"

**BAR LIST FOR H = 4'-0" 72 IN. INLET**

**QUANTITIES FOR ONE 72 IN. INLET**

H	NUMBER OF STEPS REQUIRED	CONC. CU. YD.	STEEL LBS.
4'-0"	1	2.1	253
4'-6"	2	2.3	260
5'-0"	2	2.4	282
5'-6"	2	2.6	289
6'-0"	3	2.8	310
6'-6"	3	3.0	318
7'-0"	3	3.2	339
7'-6"	4	3.3	346
8'-0"	4	3.5	369
8'-6"	4	3.7	376
9'-0"	5	3.9	397
9'-6"	5	4.1	405
10'-0"	5	4.2	426
10'-6"	6	4.4	433
11'-0"	6	4.6	455
11'-6"	6	4.8	462

<b>Computer File Information</b> Creation Date: 07/04/06    Initials: SJR Last Modification Date: 07/04/06    Initials: LTA Full Path: www.dot.state.co.us/DesignSupport/ Drawing File Name: 6040250305.dwg CAD Ver.: MicroStation V8    Scale: Not to Scale    Units: English		<b>Sheet Revisions</b> <table border="1"> <thead> <tr> <th>Date:</th> <th>Comments</th> </tr> </thead> <tbody> <tr><td>(R-X)</td><td></td></tr> <tr><td>(R-X)</td><td></td></tr> <tr><td>(R-X)</td><td></td></tr> <tr><td>(R-X)</td><td></td></tr> </tbody> </table>		Date:	Comments	(R-X)		(R-X)		(R-X)		(R-X)		<b>Colorado Department of Transportation</b>  4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 <b>Project Development Branch    SRJ/LTA</b>		<b>VANE GRATE INLET</b> Issued By: Project Development Branch on July 04, 2006		<b>STANDARD PLAN NO.</b> <b>M-604-25</b> <b>Sheet No. 3 of 5</b>	
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