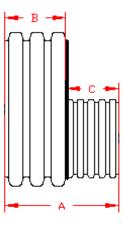
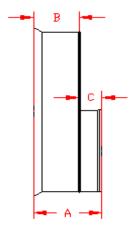
DUAL WALL FABRICATED REDUCERS 6"×4" - 12"×10" DIAMETER

| | PART# | PIPE SIZE | А | В | С | JOINT |
|----|-------------|------------------------------|---------------------|--------------------|--------------------|-------|
| ** | 0670AN | 6 x 4 in | 11.4 in | 6.2 in | 5.3 in | * |
| ļ | | (150 x 100 mm) | (291 mm) | (157 mm) | (133 mm) | |
| ** | 0870AN | 8 x 4 in | 12.0 in | 6.7 in | 5.3 in | * |
| | 00707111 | (200 x 100 mm) | (304 mm) | (171 mm) | (135 mm) | |
| ** | 0871AN | 8 x 6 in | 12.9 in | 6.7 in | 6.2 in | * |
| | 007 17414 | (200 x 150 mm) | (328 mm) | (171 mm) | (157 mm) | |
| ** | 1070AN | 10 x 4 in | 12.8 in | 7.6 in | 5.3 in | * |
| | 1070AN | (250 x 100 mm) | (325 mm) | (192 mm) | (133 mm) | |
| ** | 1071AN | 10 x 6 in | 13.8 in | 7.6 in | 6.2 in | * |
| | 107 IAN | (250 x 150 mm) | (349 mm) | (192 mm) | (157 mm) | |
| ** | 1072AN | 10 x 8 in | 14.3 in | 7.6 in | 6.7 in | * |
| | 1072/11 | (250 x 200 mm) | (363 mm) | (192 mm) | (171 mm) | |
| ľ | 1270AN | 12 x 4 in | 11.0 in | 5.8 in | 5.3 in | * |
| | 1270AN | (300 x 100 mm) | (280 mm) | (146 mm) | (133 mm) | |
| | 1270AN65B | 12 x 4 in | 8.9 in | 6.5 in | 2.4 in | WT |
| | 1270AN03D | (300 x 100 mm) | (226 mm) | (165 mm) | (60 mm) | VV I |
| ľ | 1271AN | 12 x 6 in | 12.0 in | 5.8 in | 6.2 in | * |
| | 12/ IAN | (300 x 150 mm) | (304 mm) | (146 mm) | (157 mm) | |
| | 1271AN65B | 12 x 6 in | 10.0 in | 6.5 in | 3.5 in | WT |
| | 127 TAN03D | (300 x 150 mm) | (254 mm) | (165 mm) | (89 mm) | VVI |
| ľ | 1272AN | 12 x 8 in | 12.5 in | 5.8 in | 6.7 in | * |
| | 12/2AIN | (300 x 200 mm) | (317 mm) | (146 mm) | (171 mm) | |
| | 1272AN65B | 12 x 8 in | 10.8 in | 6.5 in | 4.3 in | WT |
| ŀ | 12727111002 | (300 x 200 mm) | (273 mm) | (1 <u>65 mm</u>) | (1 <u>08 mm</u>) | ** . |
| | 1273AN | 12 x 10 in | 13.3 in | 5.8 in | 7.6 in | * |
| ŀ | | (300 x 250 mm) 12 x 10 in | (338 mm) 11.8 in | (146 mm) 6.5 in | (192 mm) 5.3 in | |
| | 1273AN65B | | | | | WT |
| Į. | | (300 x 250 mm) | (298 mm) | (165 mm) | (133 mm) | |

^{* =} PLAIN END WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



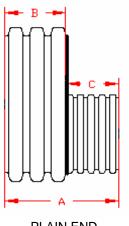
| DRAWING #: | 2500 | |
|--------------|------|-----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 1/29/2010 |
| | | |
| | | |

^{**} LIMITED AVAILABILITY. PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

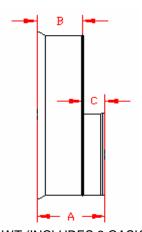
DUAL WALL FABRICATED REDUCERS 15"x4" - 15"x12" DIAMETER

| PART # | PIPE SIZE | Α | В | С | JOINT |
|---------------|-----------------------------|---------------------|--------------------|--------------------|-------|
| 1570AN | 15 x 4 in | 13.0 in | 7.8 in | 5.3 in | * |
| 1570AN65B | (375 x 100 mm) 15 x 4 in | (331 mm) 10.1 in | (197 mm) 7.8 in | (133 mm) 2.4 in | WT |
| 107 07 (1100B | (375 x 100 mm) | (257 mm) | (197 mm) | (60 mm) | V 1 |
| 1571AN | 15 x 6 in | 14.0 in | 7.8 in | 6.2 in | * |
| 107 17(1 | (375 x 150 mm) | (355 mm) | (197 mm) | (157 mm) | |
| 1571AN65B | 15 x 6 in | 11.3 in | 7.8 in | 3.5 in | WT |
| 107 17 (1400) | (375 x 150 mm) | (286 mm) | (197 mm) | (89 mm) | V 1 |
| 1572AN | 15 x 8 in | 14.5 in | 7.8 in | 6.7 in | * |
| IJIZAN | (375 x 200 mm) | (368 mm) | (197 mm) | (171 mm) | |
| 1572AN65B | 15 x 8 in | 12.0 in | 7.8 in | 4.3 in | WT |
| 1072/11000 | (375 x 200 mm) | (305 mm) | (197 mm) | (108 mm) | V V I |
| 1573AN | 15 x 10 in | 15.3 in | 7.8 in | 7.6 in | * |
| ISTSAIN | (375 x 250 mm) | (389 mm) | (197 mm) | (192 mm) | |
| 1573AN65B | 15 x 10 in | 13.0 in | 7.8 in | 5.3 in | WT |
| 137 3AN03D | (375 x 250 mm) | (330 mm) | (197 mm) | (133 mm) | V V I |
| 1574AN | 15 x 12 in | 17.0 in | 7.8 in | 9.2 in | * |
| 1574AN | (375 x 300 mm) | (431 mm) | (197 mm) | (234 mm) | |
| 1574AN85B | 15 x 12 in | 14.3 in | 7.8 in | 6.5 in | ST |
| 1374AN83B | (375 x 300 mm) | (362 mm) | (197 mm) | (165 mm) | 01 |
| 1574AN65B | 15 x 12 in | 14.3 in | 7.8 in | 6.5 in | WT |
| 137 4/11030 | (375 x 300 mm) | (362 mm) | (197 mm) | (165 mm) | VVI |

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



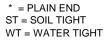
ST & WT (INCLUDES 2 GASKETS)

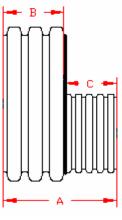


| DRAWING #: | 2505 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

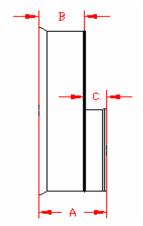
DUAL WALL FABRICATED REDUCERS 18"x4" - 18"15" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|--------------|----------------|----------|----------|----------|-------|
| 1870AN | 18 x 4 in | 13.3 in | 8.0 in | 5.3 in | * |
| 107 07 111 | (450 x 100 mm) | (338 mm) | (203 mm) | (133 mm) | |
| 1870AN65B | 18 x 4 in | 11.3 in | 8.9 in | 2.4 in | WT |
| | (450 x 100 mm) | (286 mm) | (226 mm) | (60 mm) | |
| 1871AN | 18 x 6 in | 14.2 in | 8.0 in | 6.2 in | * |
| 107 1741 | (450 x 150 mm) | (361 mm) | (204 mm) | (157 mm) | |
| 1871AN65B | 18 x 6 in | 12.4 in | 8.9 in | 3.5 in | WT |
| 107 17(1000) | (450 x 150 mm) | (314 mm) | (226 mm) | (89 mm) | V 1 |
| 1872AN | 18 x 8 in | 14.8 in | 8.0 in | 6.7 in | * |
| 107ZAIN | (450 x 200 mm) | (375 mm) | (204 mm) | (171 mm) | |
| 1872AN65B | 18 x 8 in | 13.1 in | 8.9 in | 4.3 in | WT |
| 1072ANOSD | (450 x 200 mm) | (334 mm) | (226 mm) | (108 mm) | VVI |
| 4072AN | 18 x 10 in | 15.6 in | 8.0 in | 7.6 in | * |
| 1873AN | (450 x 250 mm) | (396 mm) | (204 mm) | (192 mm) | |
| 1873AN65B | 18 x 10 in | 14.1 in | 8.9 in | 5.3 in | WT |
| 107 SANOSD | (450 x 250 mm) | (359 mm) | (226 mm) | (133 mm) | VVI |
| 1874AN | 18 x 12 in | 17.2 in | 8.0 in | 9.2 in | * |
| 10/4AIN | (450 x 300 mm) | (438 mm) | (204 mm) | (234 mm) | |
| 1874AN85B | 18 x 12 in | 15.4 in | 8.9 in | 6.5 in | ST |
| 10/4AN03D | (450 x 300 mm) | (391 mm) | (226 mm) | (165 mm) | 31 |
| 1874AN65B | 18 x 12 in | 15.4 in | 8.9 in | 6.5 in | WT |
| 1074AN03D | (450 x 300 mm) | (391 mm) | (226 mm) | (165 mm) | VVI |
| 1875AN | 18 x 15 in | 20.7 in | 8.0 in | 12.7 in | * |
| | (450 x 1375mm) | (526 mm) | (204 mm) | (321 mm) | ** |
| 1075 A NOSD | 18 x 15 in | 16.6 in | 8.9 in | 7.8 in | ST |
| 1875AN85B | (450 x 375 mm) | (422 mm) | (226 mm) | (197 mm) | 31 |
| 1875AN65B | 18 x 15 in | 16.6 in | 8.9 in | 7.8 in | WT |
| 107 SAINOSD | (450 x 1375mm) | (422 mm) | (226 mm) | (197 mm) | VVI |





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

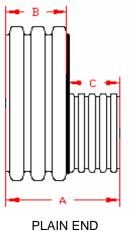


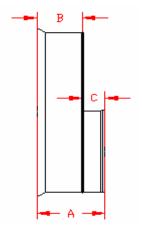
| DRAWING #: | 2510 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.12.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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| _ | | |

DUAL WALL FABRICATED REDUCERS 24"x4" - 24"x12" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|-----------|------------------------------|-------------------------|--------------------|--------------------|-------|
| 2470AN | 24 x 4 in (600 x 100 mm) | 14.7 in (373 mm) | 9.5 in (240 mm) | 5.3 in (133 mm) | * |
| 2470AN65B | 24 x 4 in (600 x 100 mm) | 9.4 in (238 mm) | 7.0 in (178 mm) | 2.4 in (60 mm) | WT |
| 2471AN | 24 x 6 in (600 x 150 mm) | 15.6 in (397 mm) | 9.5 in (240 mm) | 6.2 in (157 mm) | * |
| 2471AN65B | 24 x 6 in (600 x 150 mm) | 10.5 in (267 mm) | 7.0 in (178 mm) | 3.5 in (89 mm) | WT |
| 2472AN | 24 x 8 in (600 x 200 mm) | 16.2 in (411 mm) | 9.5 in (240 mm) | 6.7 in (171 mm) | * |
| 2472AN65B | 24 x 8 in (600 x 200 mm) | 11.3 in (286 mm) | 7.0 in (178 mm) | 4.3 in (108 mm) | WT |
| 2473AN | 24 x 10 in (600 x 250 mm) | 17.0 in (432 mm) | 9.5 in (240 mm) | 7.6 in (192 mm) | * |
| 2473AN65B | 24 x 10 in (600 x 250 mm) | 12.3 in (311 mm) | 7.0 in (178 mm) | 5.3 in (133 mm) | WT |
| 2474AN | 24 x 12 in (600 x 300 mm) | 18.7 in (474 mm) | 9.5 in (240 mm) | 9.2 in (234 mm) | * |
| 2474AN85B | 24 x 12 in (600 x 300 mm) | 13.5 in (343 mm) | 7.0 in (178 mm) | 6.5 in (165 mm) | ST |
| 2474AN65B | 24 x 12 in (600 x 300 mm) | 13.5 in (343 mm) | 7.0 in (178 mm) | 6.5 in (165 mm) | WT |

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT





ST & WT (INCLUDES 2 GASKETS)

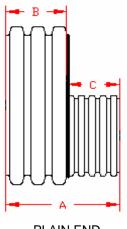


| DRAWING #: | 2515 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
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| | | |

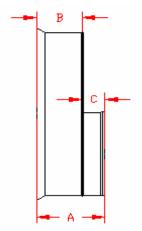
DUAL WALL FABRICATED REDUCERS 24"×15" - 24"×18" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|------------|----------------|----------|----------|----------|-------|
| 2475AN | 24 x 15 in | 22.1 in | 9.5 in | 12.7 in | * |
| | (600 x 375 mm) | (561 mm) | (240 mm) | (321 mm) | |
| 2475AN85B | 24 x 15 in | 14.8 in | 7.0 in | 7.8 in | ST |
| 247 JANOJD | (600 x 375 mm) | (375 mm) | (178 mm) | (197 mm) | 31 |
| 2475AN65B | 24 x 15 in | 14.8 in | 7.0 in | 7.8 in | WT |
| 247 JAN03D | (600 x 375 mm) | (375 mm) | (178 mm) | (197 mm) | VVI |
| 2476AN | 24 x 18 in | 22.1 in | 9.5 in | 12.7 in | * |
| 2476AN | (600 x 450 mm) | (561 mm) | (240 mm) | (321 mm) | |
| 2476AN85B | 24 x 18 in | 15.9 in | 7.0 in | 8.9 in | ST |
| 2470AN00D | (600 x 450 mm) | (403 mm) | (178 mm) | (226 mm) | 31 |
| 2476AN65B | 24 x 18 in | 15.9 in | 7.0 in | 8.9 in | WT |
| 241 0AN00D | (600 x 450 mm) | (403 mm) | (178 mm) | (226 mm) | VVI |

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

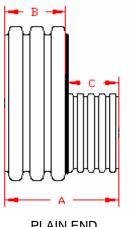


| DRAWING #: | 2515A | |
|--------------|-------|----------|
| DRAWN BY: | JCB | 06.05.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

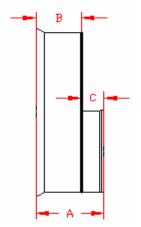
DUAL WALL FABRICATED REDUCERS 30"×4" - 30"×12" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|------------|----------------|----------|----------|----------|-------|
| 3070AN | 30 x 4 in | 17.6 in | 12.4 in | 5.3 in | * |
| | (750 x 100 mm) | (447 mm) | (314 mm) | (133 mm) | |
| 3070AN65B | 30 x 4 in | 14.1 in | 11.8 in | 2.4 in | WT |
| | (750 x 100 mm) | (359 mm) | (298 mm) | (60 mm) | |
| 3071AN | 30 x 6 in | 18.6 in | 12.4 in | 6.2 in | * |
| 307 TAIN | (750 x 150 mm) | (471 mm) | (314 mm) | (157 mm) | |
| 3071AN65B | 30 x 6 in | 15.3 in | 11.8 in | 3.5 in | WT |
| 307 TAN03D | (750 x 150 mm) | (387 mm) | (298 mm) | (89 mm) | V 1 |
| 3072AN | 30 x 8 in | 19.1 in | 12.4 in | 6.7 in | * |
| 3072AN | (750 x 200 mm) | (485 mm) | (314 mm) | (171 mm) | |
| 3072AN65B | 30 x 8 in | 16.0 in | 11.8 in | 4.3 in | WT |
| 3072AN03D | (750 x 200 mm) | (406 mm) | (298 mm) | (108 mm) | VVI |
| 207241 | 30 x 10 in | 19.9 in | 12.4 in | 7.6 in | * |
| 3073AN | (750 x 250 mm) | (506 mm) | (314 mm) | (192 mm) | |
| 3073AN65B | 30 x 10 in | 17.0 in | 11.8 in | 5.3 in | WT |
| 307 3AN03D | (750 x 250 mm) | (432 mm) | (298 mm) | (133 mm) | VVI |
| 3074AN | 30 x 12 in | 21.6 in | 12.4 in | 9.2 in | * |
| | (750 x 300 mm) | (548 mm) | (314 mm) | (234 mm) | |
| 3074AN85B | 30 x 12 in | 18.3 in | 11.8 in | 6.5 in | ST |
| 3074AN03B | (750 x 300 mm) | (464 mm) | (298 mm) | (165 mm) | 01 |
| 2074ANGED | 30 x 12 in | 18.3 in | 11.8 in | 6.5 in | \//T |
| 3074AN65B | (750 x 300 mm) | (464 mm) | (298 mm) | (165 mm) | WT |

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

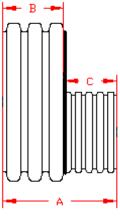


| DRAWING #: | 2520 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 09.28.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

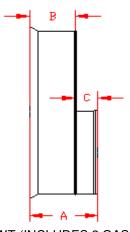
DUAL WALL FABRICATED REDUCERS 30"×15" - 30"×24" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|-----------|-----------------------------|---------------------|---------------------|--------------------|-------|
| 3075AN | 30 x 15 in | 25.0 in | 12.4 in | 12.7 in | * |
| | (750 x 375 mm) | (635 mm) | (314 mm) | (321 mm) | |
| 3075AN85B | 30 x 15 in (750 x 375mm) | 19.5 in (495 mm) | 11.8 in (298 mm) | 7.8 in | ST |
| | 30 x 15 in | 19.5 in | 11.8 in | (197 mm) 7.8 in | |
| 3075AN65B | (750 x 375 mm) | (495 mm) | (298 mm) | (197 mm) | WT |
| | 30 x 18 in | 25.0 in | 12.4 in | 12.7 in | |
| 3076AN | (750 x 450 mm) | (635 mm) | (314 mm) | (321 mm) | * |
| | 30 x 18 in | 20.6 in | 11.8 in | 8.9 in | |
| 3076AN85B | (750 x 450 mm) | (524 mm) | (298 mm) | (226 mm) | ST |
| | 30 x 18 in | 20.6 in | 11.8 in | 8.9 in | |
| 3076AN65B | (750 x 450 mm) | (524 mm) | (298 mm) | (226 mm) | WT |
| | 30 x 24 in | 27.9 in | 12.4 in | 15.6 in | |
| 3077AN | (750 x 600 mm) | (709 mm) | (314 mm) | (395 mm) | * |
| | 1 | , | , | \ / | |
| 3077AN85B | 30 x 24 in | 18.8 in | 11.8 in | 7.0 in | ST |
| | (750 x 600 mm) | (476 mm) | (298 mm) | (178 mm) | |
| 3077AN65B | 30 x 24 in | 18.8 in | 11.8 in | 7.0 in | WT |
| | (750 x 600 mm) | (476 mm) | (298 mm) | (178 mm) | |

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

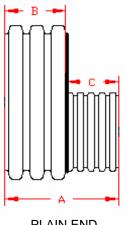


| DRAWING #: | 2520A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 09.28.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

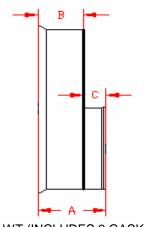
DUAL WALL FABRICATED REDUCERS 36"×4" - 36"×12" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|-------------|----------------|----------|----------|----------|-------|
| 3670AN | 36 x 4 in | 21.0 in | 15.8 in | 5.3 in | * |
| | (900 x 100 mm) | (533 mm) | (400 mm) | (133 mm) | |
| 3670AN65B | 36 x 4 in | 13.7 in | 11.3 in | 2.4 in | WT |
| | (900 x 100 mm) | (347 mm) | (287 mm) | (60 mm) | |
| 3671AN | 36 x 6 in | 21.9 in | 15.8 in | 6.2 in | * |
| 307 17(1) | (900 x 150 mm) | (557 mm) | (400 mm) | (157 mm) | |
| 3671AN65B | 36 x 6 in | 14.8 in | 11.3 in | 3.5 in | WT |
| 307 TAIN03B | (900 x 150 mm) | (376 mm) | (287 mm) | (89 mm) | V V I |
| 3672AN | 36 x 8 in | 22.5 in | 15.8 in | 6.7 in | * |
| 307 ZAIN | (900 x 200 mm) | (571 mm) | (400 mm) | (171 mm) | |
| 3672AN65B | 36 x 8 in | 15.5 in | 11.3 in | 4.3 in | WT |
| 3072AN03D | (900 x 200 mm) | (395 mm) | (287 mm) | (108 mm) | VVI |
| 3673AN | 36 x 10 in | 23.3 in | 15.8 in | 7.6 in | * |
| 307 3AN | (900 x 250 mm) | (592 mm) | (400 mm) | (192 mm) | |
| 3673AN65B | 36 x 10 in | 16.5 in | 11.3 in | 5.3 in | WT |
| 307 3AN03D | (900 x 250 mm) | (420 mm) | (287 mm) | (133 mm) | VVI |
| 3674AN | 36 x 12 in | 25.0 in | 15.8 in | 9.2 in | * |
| 3074AIN | (900 x 300 mm) | (634 mm) | (400 mm) | (234 mm) | |
| 3674AN85B | 36 x 12 in | 17.8 in | 11.3 in | 6.5 in | ST |
| JUI 4AINOJD | (900 x 300 mm) | (452 mm) | (287 mm) | (165 mm) | 5 |
| 3674AN65B | 36 x 12 in | 17.8 in | 11.3 in | 6.5 in | WT |
| 3014AN03D | (900 x 300 mm) | (452 mm) | (287 mm) | (165 mm) | VVI |

* = PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



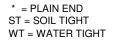
ST & WT (INCLUDES 2 GASKETS)

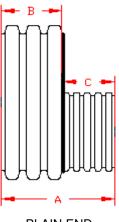


| DRAWING #: | 2525 | |
|--------------|------|----------|
| DRAWN BY: | JCB | 09.11.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | NJP | 06.15.07 |
| | | |
| | | |

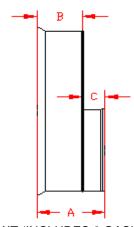
DUAL WALL FABRICATED REDUCERS 36"×15" - 36"×30" DIAMETER

| PART # | PIPE SIZE | Α | В | С | JOINT |
|-------------|----------------|----------|----------|----------|-------|
| 3675AN | 36 x 15 in | 28.4 in | 15.8 in | 12.7 in | * |
| | (900 x 375 mm) | (721 mm) | (400 mm) | (321 mm) | |
| 3675AN85B | 36 x 15 in | 19.0 in | 11.3 in | 7.8 in | ST |
| | (900 x 375 mm) | (484 mm) | (287 mm) | (197 mm) | |
| 3675AN65B | 36 x 15 in | 19.0 in | 11.3 in | 7.8 in | WT |
| 00707111002 | (900 x 375 mm) | (484 mm) | (287 mm) | (197 mm) | ** ' |
| 3676AN | 36 x 18 in | 28.4 in | 15.8 in | 12.7 in | * |
| 3070AN | (900 x 450 mm) | (721 mm) | (400 mm) | (321 mm) | |
| 3676AN85B | 36 x 18 in | 20.2 in | 11.3 in | 8.9 in | ST |
| 3070AN03D | (900 x 450 mm) | (512 mm) | (287 mm) | (226 mm) | 5 |
| 3676AN65B | 36 x 18 in | 20.2 in | 11.3 in | 8.9 in | WT |
| 3070AN03B | (900 x 450 mm) | (512 mm) | (287 mm) | (226 mm) | VVI |
| 3677AN | 36 x 24 in | 31.3 in | 15.8 in | 15.6 in | * |
| 3677AIN | (900 x 600 mm) | (795 mm) | (400 mm) | (395 mm) | |
| 3677AN85B | 36 x 24 in | 18.3 in | 11.3 in | 7.0 in | ST |
| 36//AINO3D | (900 x 600 mm) | (465 mm) | (287 mm) | (178 mm) | 31 |
| 3677AN65B | 36 x 24 in | 18.3 in | 11.3 in | 7.0 in | WT |
| 3077AN03B | (900 x 600 mm) | (465 mm) | (287 mm) | (178 mm) | VVI |
| 007041 | 36 x 30 in | 32.2 in | 15.8 in | 16.5 in | * |
| 3678AN | (900 x 750 mm) | (819 mm) | (400 mm) | (419 mm) | |
| 3678AN65B | 36 x 30 in | 23.0 in | 11.3 in | 11.8 in | СТ |
| 3070AN03B | (900 x 750 mm) | (585 mm) | (287 mm) | (298 mm) | ST |
| 0070AN0ED | 36 x 30 in | 23.0 in | 11.3 in | 11.8 in | \A/T |
| 3678AN85B | (900 x 750 mm) | (585 mm) | (287 mm) | (298 mm) | WT |





PLAIN END



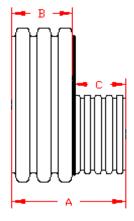
ST & WT (INCLUDES 2 GASKETS)



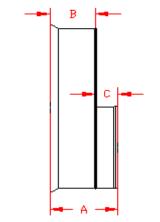
| DRAWING #: | 2525A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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DUAL WALL FABRICATED REDUCERS 42"×6" - 42"×15" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|------------------------|-----------------|----------|----------|----------|-------|
| 4271AN | 42 x 6 in | 21.8 in | 15.6 in | 6.2 in | * |
| 727 17(1) | (1050 x 150 mm) | (553 mm) | (395 mm) | (157 mm) | |
| 4271AN85B | 42 x 6 in | 12.6 in | 9.1 in | 3.5 in | ST |
| 127 17 (100B | (1050 x 150 mm) | (321 mm) | (232 mm) | (89 mm) | 01 |
| 4271AN65B | 42 x 6 in | 15.5 in | 12.0 in | 3.5 in | WT |
| 127 17 (1100B | (1050 x 150 mm) | (393 mm) | (305 mm) | (89 mm) | ••• |
| 4272AN | 42 x 8 in | 22.3 in | 15.6 in | 6.7 in | * |
| 4272AN | (1050 x 200 mm) | (566 mm) | (395 mm) | (171 mm) | |
| 4272AN85B | 42 x 8 in | 13.4 in | 9.1 in | 4.3 in | ST |
| 4272AN03B | (1050 x 200 mm) | (340 mm) | (232 mm) | (108 mm) | 0 |
| 4272AN65B | 42 x 8 in | 16.2 in | 12.0 in | 4.3 in | WT |
| 4272711 1 00B | (1050 x 200 mm) | (412 mm) | (305 mm) | (108 mm) | ** 1 |
| 4273AN | 42 x 10 in | 23.1 in | 15.6 in | 7.6 in | * |
| 427 JAIN | (1050 x 250 mm) | (588 mm) | (395 mm) | (192 mm) | |
| 4273AN85B | 42 x 10 in | 14.4 in | 9.1 in | 5.3 in | ST |
| 427 JAN03B | (1050 x 250 mm) | (365 mm) | (232 mm) | (133 mm) | 01 |
| 4273AN65B | 42 x 10 in | 17.2 in | 12.0 in | 5.3 in | WT |
| 127 07 11 100 B | (1050 x 250 mm) | (438 mm) | (305 mm) | (133 mm) | ••• |
| 4274AN | 42 x 12 in | 24.8 in | 15.6 in | 9.2 in | * |
| 4274/11 | (1050 x 300 mm) | (629 mm) | (395 mm) | (234 mm) | |
| 4274AN85B | 42 x 12 in | 15.6 in | 9.1 in | 6.5 in | ST |
| 427 4ANOOD | (1050 x 300 mm) | (397 mm) | (232 mm) | (165 mm) | 01 |
| 4274AN65B | 42 x 12 in | 18.5 in | 12.0 in | 6.5 in | WT |
| 427 47 (I 1 00B | (1050 x 300 mm) | (470 mm) | (305 mm) | (165 mm) | ** 1 |
| 4275AN | 42 x 15 in | 28.2 in | 15.6 in | 12.7 in | * |
| 72/ 3/11 | (1050 x 375 mm) | (717 mm) | (395 mm) | (321 mm) | |
| 4275AN85B | 42 x 15 in | 16.9 in | 9.1 in | 7.8 in | ST |
| 727 JANUJD | (1050 x 375 mm) | (428 mm) | (232 mm) | (197 mm) | 01 |
| 4275AN65B | 42 x 15 in | 19.7 in | 12.0 in | 7.8 in | WT |
| 1270/111000 | (1050 x 375 mm) | (501 mm) | (305 mm) | (197 mm) | ** 1 |



PLAIN END



ST & WT (INCLUDES 2 GASKETS)

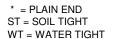


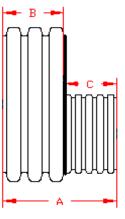
| DRAWING #: | 2530 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT

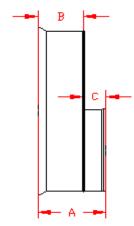
DUAL WALL FABRICATED REDUCERS 42"×18" - 42"×36" DIAMETER

| PART# | PIPE SIZE | А | В | С | JOINT |
|-----------|-------------------------------|-------------------------|-------------------------|-------------------------|-------|
| 4276AN | 42 x 18 in (1050 x 450 mm) | 28.2 in (717 mm) | 15.6 in (395 mm) | 12.7 in (321 mm) | * |
| 4276AN85B | 42 x 18 in (1050 x 450 mm) | 18.0 in (457 mm) | 9.1 in (232 mm) | 8.9 in (226 mm) | ST |
| 4276AN65B | 42 x 18 in (1050 x 450 mm) | 20.9 in (530 mm) | 12.0 in (305 mm) | 8.9 in (226 mm) | WT |
| 4277AN | 42 x 24 in (1050 x 600 mm) | 31.1 in (790 mm) | 15.6 in (395 mm) | 15.6 in (395 mm) | * |
| 4277AN85B | 42 x 24 in (1050 x 600 mm) | 16.1 in (409 mm) | 9.1 in (232 mm) | 7.0 in (178 mm) | ST |
| 4277AN65B | 42 x 24 in (1050 x 600 mm) | 19.0 in (482 mm) | 12.0 in (305 mm) | 7.0 in (178 mm) | WT |
| 4278AN | 42 x 30 in (1050 x 750 mm) | 32.1 in (814 mm) | 15.6 in (395 mm) | 16.5 in (419 mm) | * |
| 4278AN85B | 42 x 30 in (1050 x 750 mm) | 20.9 in (530 mm) | 9.1 in (232 mm) | 11.8 in (298 mm) | ST |
| 4278AN65B | 42 x 30 in (1050 x 750 mm) | 23.7 in (603 mm) | 12.0 in (305 mm) | 11.8 in (298 mm) | WT |
| 4279AN | 42 x 36 in (1050 x 900 mm) | 36.1 in (918 mm) | 15.6 in (395 mm) | 20.6 in (522 mm) | * |
| 4279AN85B | 42 x 36 in (1050 x 900 mm) | 20.4 in (518 mm) | 9.1 in (232 mm) | 11.3 in (287 mm) | ST |
| 4279AN65B | 42 x 36 in (1050 x 900 mm) | 23.3 in (591 mm) | 12.0 in (305 mm) | 11.3 in (287 mm) | WT |





PLAIN END



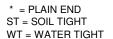
ST & WT (INCLUDES 2 GASKETS)

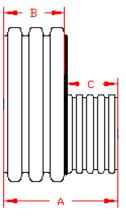


| DRAWING #: | 2530A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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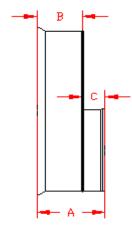
DUAL WALL FABRICATED REDUCERS 48"×12" - 48"×24" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|-----------|-------------------------------|-------------------------|---------------------|---------------------|-------|
| 4874AN | 48 x 12 in (1200 x 300 mm) | 25.0 in (634 mm) | 15.8 in (400 mm) | 9.2 in (234 mm) | * |
| 4874AN85B | 48 x 12 in (1200 x 300 mm) | 15.3 in (388 mm) | 8.8 in (223 mm) | 6.5 in (165 mm) | ST |
| 4874AN65B | 48 x 12 in (1200 x 300 mm) | 18.5 in (470 mm) | 12.0 in (305 mm) | 6.5 in (165 mm) | WT |
| 4875AN | 48 x 15 in (1200 x 375 mm) | 28.4 in (721 mm) | 15.8 in (400 mm) | 12.7 in (321 mm) | * |
| 4875AN85B | 48 x 15 in (1200 x 375 mm) | 16.5 in (419 mm) | 8.8 in (223 mm) | 7.8 in (197 mm) | ST |
| 4875AN65B | 48 x 15 in (1200 x 375 mm) | 19.7 in (501 mm) | 12.0 in (305 mm) | 7.8 in (197 mm) | WT |
| 4876AN | 48 x 18 in (1200 x 450 mm) | 28.4 in (721 mm) | 15.8 in (400 mm) | 12.7 in (321 mm) | * |
| 4876AN85B | 48 x 18 in (1200 x 450 mm) | 17.6 in (448 mm) | 8.8 in (223 mm) | 8.9 in (226 mm) | ST |
| 4876AN65B | 48 x 18 in (1200 x 450 mm) | 20.9 in (530 mm) | 12.0 in (305 mm) | 8.9 in (226 mm) | WT |
| 4877AN | 48 x 24 in (1200 x 600 mm) | 31.3 in (795 mm) | 15.8 in (400 mm) | 15.6 in (395 mm) | * |
| 4877AN85B | 48 x 24 in (1200 x 600 mm) | 15.8 in (400 mm) | 8.8 in (223 mm) | 7.0 in (178 mm) | ST |
| 4877AN65B | 48 x 24 in (1200 x 600 mm) | 19.0 in (482 mm) | 12.0 in (305 mm) | 7.0 in (178 mm) | WT |





PLAIN END



ST & WT (INCLUDES 2 GASKETS)

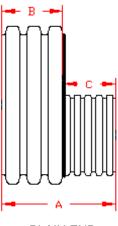


| DRAWING #: | 2535 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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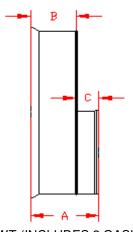
DUAL WALL FABRICATED REDUCERS 48"×30" - 48"×42" DIAMETER

| PART # | PIPE SIZE | А | В | С | JOINT |
|------------|------------------|----------|----------|----------|-------|
| 4878AN | 48 x 30 in | 32.2 in | 15.8 in | 16.5 in | * |
| | (1200 x 750 mm) | (819 mm) | (400 mm) | (419 mm) | |
| 4878AN85B | 48 x 30 in | 20.5 in | 8.8 in | 11.8 in | ST |
| 4070/11000 | (1200 x 750 mm) | (521 mm) | (223 mm) | (298 mm) | 5 |
| 4878AN65B | 48 x 30 in | 23.7 in | 12.0 in | 11.8 in | WT |
| | (1200 x 750 mm) | (603 mm) | (305 mm) | (298 mm) | VVI |
| 4070AN | 48 x 36 in | 36.3 in | 15.8 in | 20.6 in | * |
| 4879AN | (1200 x 900 mm) | (922 mm) | (400 mm) | (522 mm) | |
| 4879AN85B | 48 x 36 in | 20.1 in | 8.8 in | 11.3 in | ST |
| 40/ 9ANO3D | (1200 x 900 mm) | (509 mm) | (223 mm) | (287 mm) | 5 |
| 4879AN65B | 48 x 36 in | 23.3 in | 12.0 in | 11.3 in | WT |
| | (1200 x 900 mm) | (591 mm) | (305 mm) | (287 mm) | V 1 |
| 4842AN | 48 x 42 in | 36.4 in | 15.8 in | 20.7 in | * |
| | (1200 x 1050 mm) | (925 mm) | (400 mm) | (525 mm) | |
| 4842AN85B | 48 x 42 in | 17.9 in | 8.8 in | 9.1 in | ST |
| | (1200 x 1050 mm) | (454 mm) | (223 mm) | (232 mm) | 31 |
| 4842AN65B | 48 x 42 in | 24.0 in | 12.0 in | 12.0 in | WT |
| 4042AN03B | (1200 x 1050 mm) | (609 mm) | (305 mm) | (305 mm) | V V I |

^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT



PLAIN END



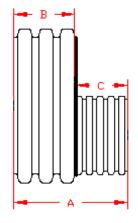
ST & WT (INCLUDES 2 GASKETS)



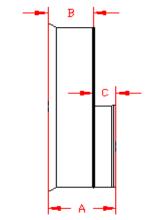
| DRAWING #: | 2535A | |
|--------------|-------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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DUAL WALL FABRICATED REDUCERS 60"×24" - 60"×48" DIAMETER

| PART# | PIPE SIZE | Α | В | С | JOINT |
|-----------|------------------|----------|----------|----------|-------|
| 6077AN | 60 x 24 in | 33.6 in | 18.0 in | 15.6 in | * |
| | (1500 x 600 mm) | (852 mm) | (457 mm) | (395 mm) | |
| 6077AN85B | 60 x 24 in | 16.6 in | 9.6 in | 7.0 in | ST |
| | (1500 x 600 mm) | (421 mm) | (243 mm) | (178 mm) | |
| 6077AN65B | 60 x 24 in | 16.6 in | 9.6 in | 7.0 in | WT |
| | (1500 x 600 mm) | (421 mm) | (243 mm) | (178 mm) | |
| 6078AN | 60 x 30 in | 34.5 in | 18.0 in | 16.5 in | * |
| OU / OAIN | (1500 x 750 mm) | (876 mm) | (457 mm) | (419 mm) | |
| 6078AN85B | 60 x 30 in | 21.3 in | 9.6 in | 11.8 in | ST |
| | (1500 x 750 mm) | (542 mm) | (243 mm) | (298 mm) | 5 |
| 6078AN65B | 60 x 30 in | 21.3 in | 9.6 in | 11.8 in | WT |
| 0070AN03B | (1500 x 750 mm) | (542 mm) | (243 mm) | (298 mm) | VV 1 |
| 6079AN | 60 x 36 in | 38.6 in | 18.0 in | 20.6 in | * |
| 6079AN | (1500 x 900 mm) | (979 mm) | (457 mm) | (522 mm) | |
| 6079AN85B | 60 x 36 in | 20.9 in | 9.6 in | 11.3 in | ST |
| 0079AN03D | (1500 x 900 mm) | (530 mm) | (243 mm) | (287 mm) | 5 |
| 6079AN65B | 60 x 36 in | 20.9 in | 9.6 in | 11.3 in | WT |
| 0073AN03B | (1500 x 900 mm) | (530 mm) | (243 mm) | (287 mm) | V 1 |
| 6042AN | 60 x 42 in | 38.7 in | 18.0 in | 20.7 in | * |
| 6042AN | (1500 x 1050 mm) | (982 mm) | (457 mm) | (525 mm) | |
| 6042AN85B | 60 x 42 in | 18.7 in | 9.6 in | 9.1 in | ST |
| 0042AN03B | (1500 x 1050 mm) | (475 mm) | (243 mm) | (232 mm) | 5 |
| 6042AN65B | 60 x 42 in | 21.6 in | 9.6 in | 12.0 in | WT |
| 0042AN03D | (1500 x 1050 mm) | (548 mm) | (243 mm) | (305 mm) | VV 1 |
| 6048AN | 60 x 48 in | 38.7 in | 18.0 in | 20.7 in | * |
| | (1500 x 1200 mm) | (982 mm) | (457 mm) | (525 mm) | |
| 6048AN85B | 60 x 48 in | 18.3 in | 9.6 in | 8.8 in | СТ |
| | (1500 x 1200 mm) | (466 mm) | (243 mm) | (223 mm) | ST |
| 6048AN65B | 60 x 48 in | 21.6 in | 9.6 in | 12.0 in | WT |
| | (1500 x 1200 mm) | (548 mm) | (243 mm) | (305 mm) | VVI |



PLAIN END



ST & WT (INCLUDES 2 GASKETS)



| DRAWING #: | 2540 | |
|--------------|------|----------|
| DRAWN BY: | NJP | 07.06.06 |
| APPROVED BY: | JCB | 06.26.07 |
| REVISIONS: | TJR | 9/8/2009 |
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^{* =} PLAIN END ST = SOIL TIGHT WT = WATER TIGHT