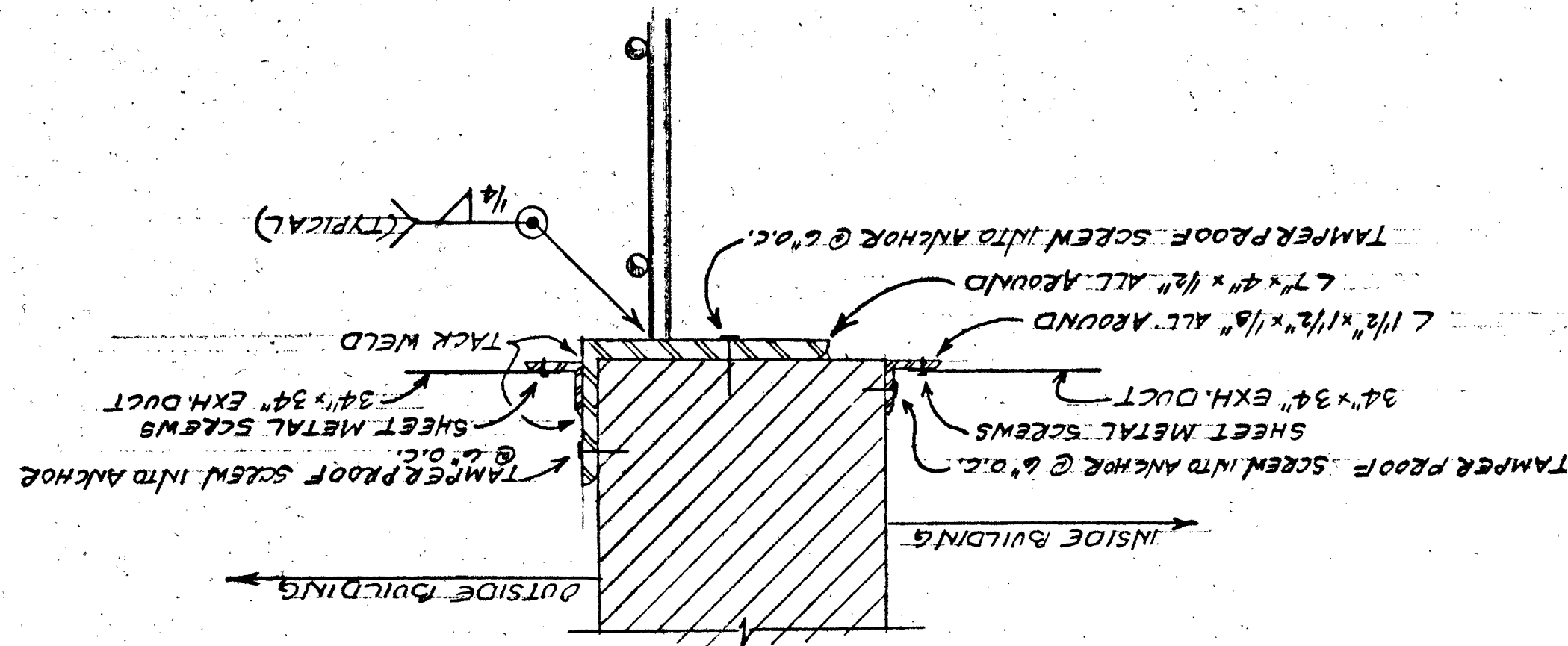
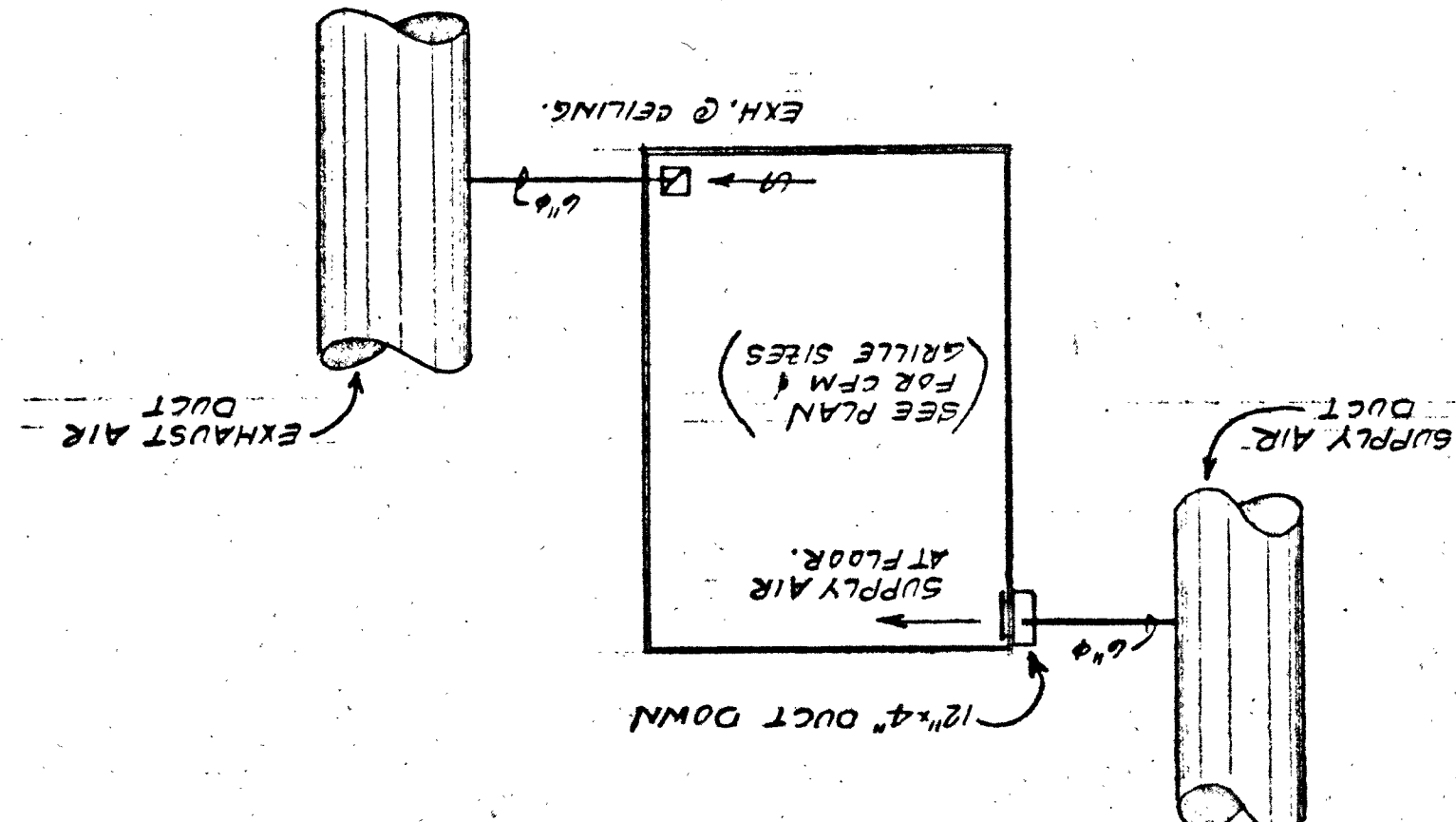


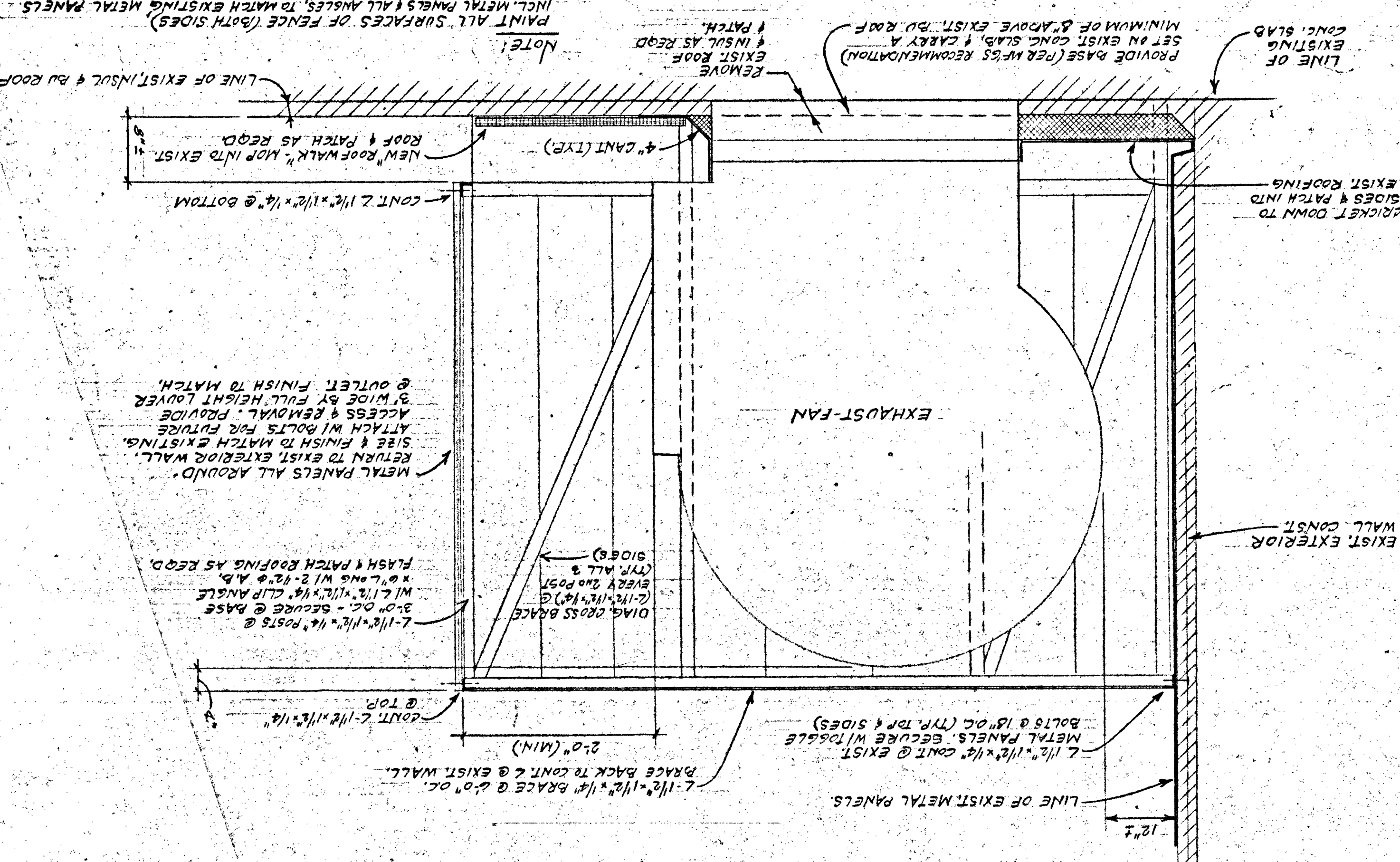
# EXH. DUCT PENETRATION OF OUTSIDE WALL



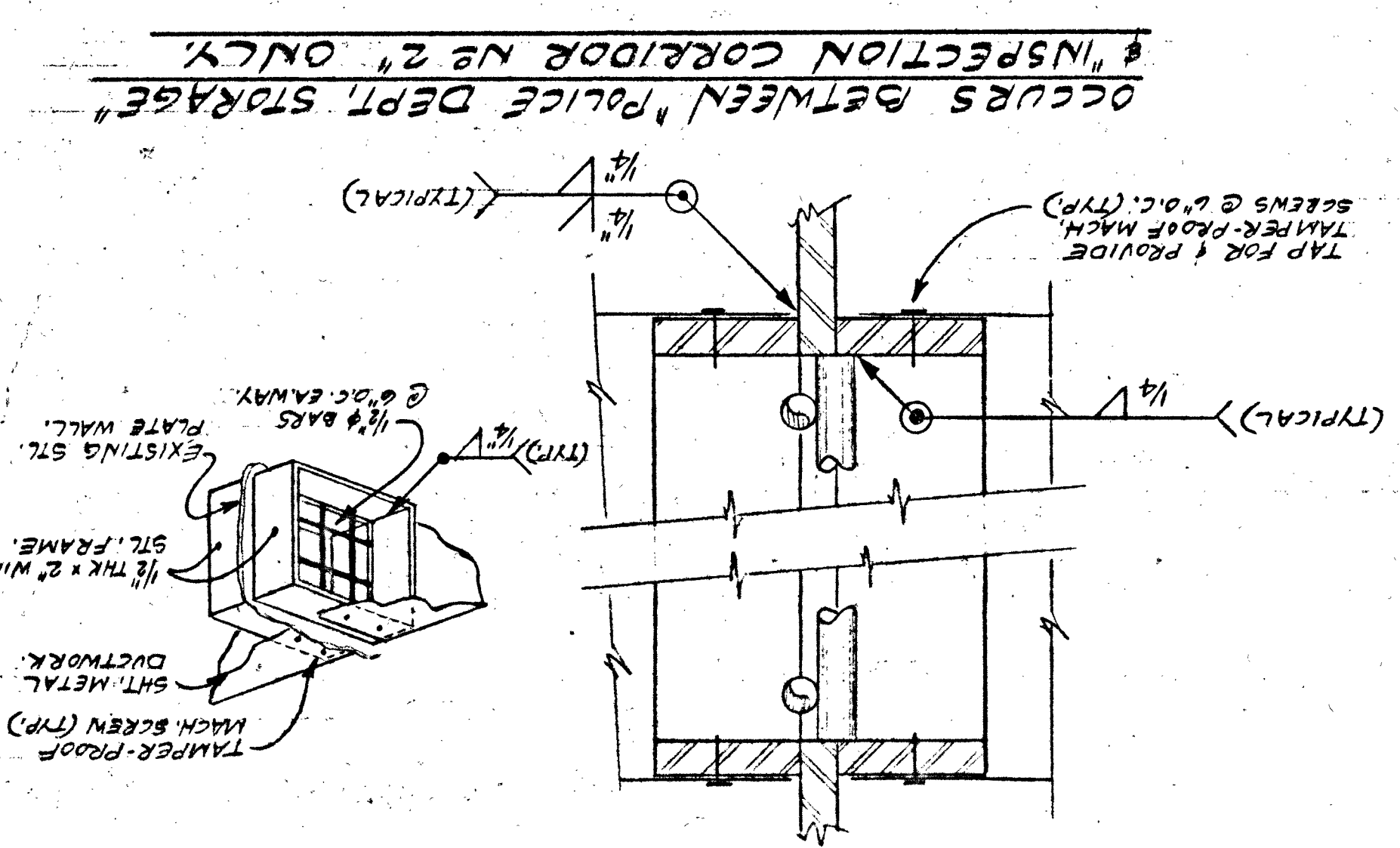
## TYPICAL CELL DETAIL



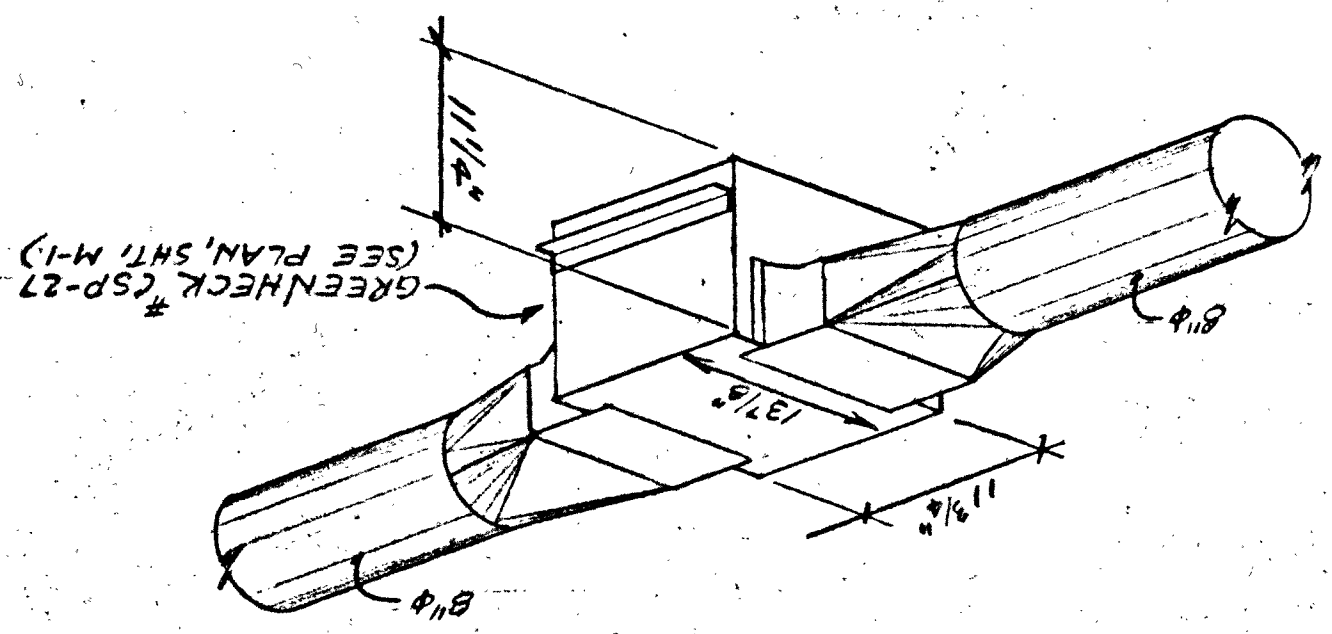
## EXHAUST FAN SUPPORT DETAIL



## DUCTWORK SECURITY DETAIL

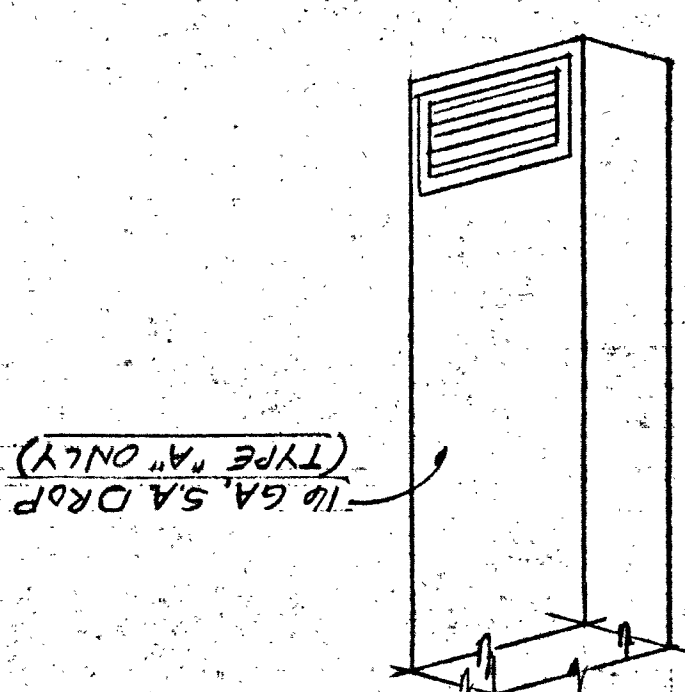


## NEW HOLDING CELL EXH. FAN DET.

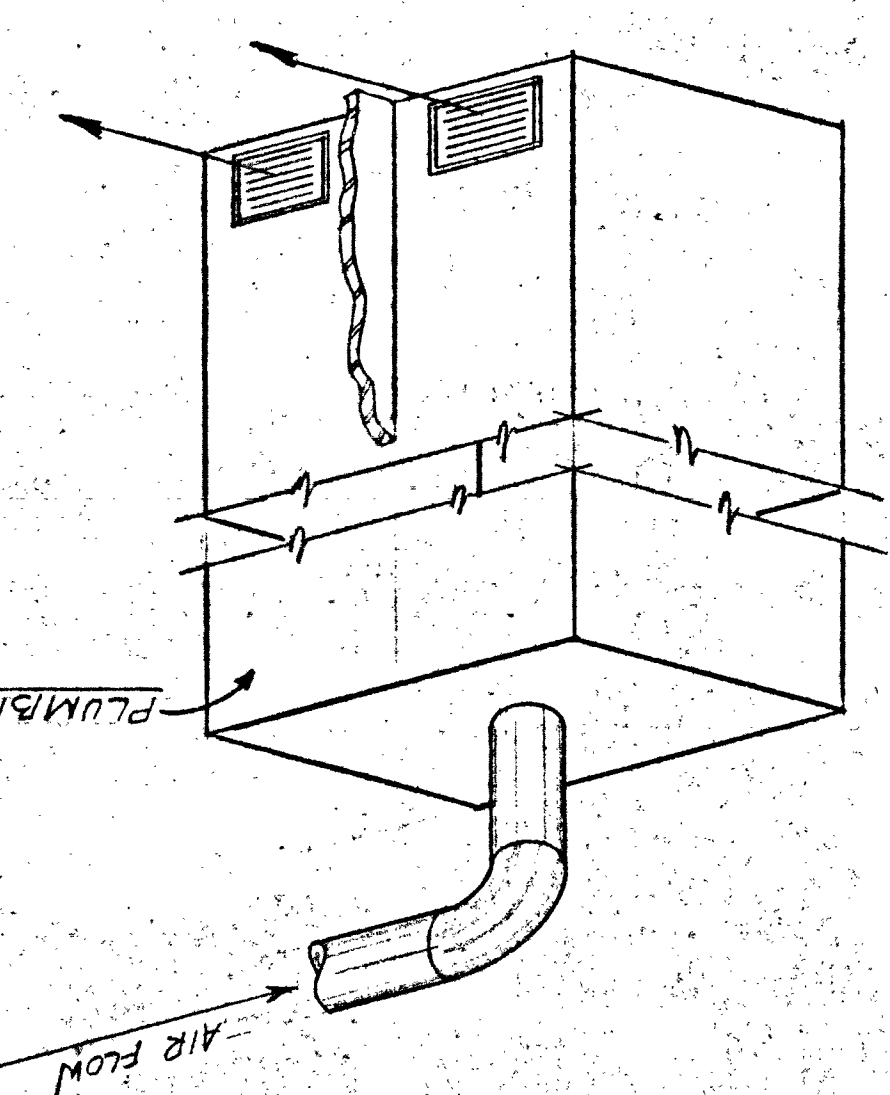


NOTE: EXHAUST REGISTERS, SUPPLY CARNES, CURTAINMAIRE, SGC40 FOR EXHAUST GRILLES ONLY IN AREAS UNIMPROVED PRISONER ACCESS, CELLS & CELL CORRIDORS & HOLDING AREAS.

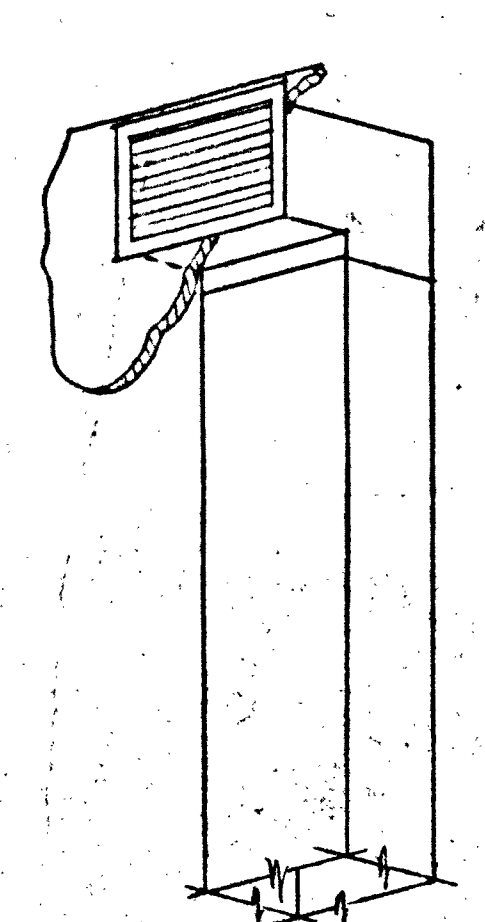
## DROP CONFIG. A



## DROP CONFIG. B



## DROP CONFIG. C



| MARK | QTY | REGISTRATION | C.F.M. | SUPPLY AIR REGISTER | REMARKS        |
|------|-----|--------------|--------|---------------------|----------------|
| 1    | 12  | N/A          | 250    | 8" x 12"            | 8" x 12" DROP  |
| 2    | 7   | 12"          | 100    | 10" x 6"            | 10" x 6" DROP  |
| 3    | 8   | 14"          | 200    | 14" x 4"            | 14" x 4" DROP  |
| 4    | 9   | 16"          | 300    | 16" x 4"            | 16" x 4" DROP  |
| 5    | 10  | 18"          | 400    | 18" x 4"            | 18" x 4" DROP  |
| 6    | 11  | 20"          | 500    | 20" x 4"            | 20" x 4" DROP  |
| 7    | 12  | 22"          | 600    | 22" x 4"            | 22" x 4" DROP  |
| 8    | 13  | 24"          | 700    | 24" x 4"            | 24" x 4" DROP  |
| 9    | 14  | 26"          | 800    | 26" x 4"            | 26" x 4" DROP  |
| 10   | 15  | 28"          | 900    | 28" x 4"            | 28" x 4" DROP  |
| 11   | 16  | 30"          | 1000   | 30" x 4"            | 30" x 4" DROP  |
| 12   | 17  | 32"          | 1100   | 32" x 4"            | 32" x 4" DROP  |
| 13   | 18  | 34"          | 1200   | 34" x 4"            | 34" x 4" DROP  |
| 14   | 19  | 36"          | 1300   | 36" x 4"            | 36" x 4" DROP  |
| 15   | 20  | 38"          | 1400   | 38" x 4"            | 38" x 4" DROP  |
| 16   | 21  | 40"          | 1500   | 40" x 4"            | 40" x 4" DROP  |
| 17   | 22  | 42"          | 1600   | 42" x 4"            | 42" x 4" DROP  |
| 18   | 23  | 44"          | 1700   | 44" x 4"            | 44" x 4" DROP  |
| 19   | 24  | 46"          | 1800   | 46" x 4"            | 46" x 4" DROP  |
| 20   | 25  | 48"          | 1900   | 48" x 4"            | 48" x 4" DROP  |
| 21   | 26  | 50"          | 2000   | 50" x 4"            | 50" x 4" DROP  |
| 22   | 27  | 52"          | 2100   | 52" x 4"            | 52" x 4" DROP  |
| 23   | 28  | 54"          | 2200   | 54" x 4"            | 54" x 4" DROP  |
| 24   | 29  | 56"          | 2300   | 56" x 4"            | 56" x 4" DROP  |
| 25   | 30  | 58"          | 2400   | 58" x 4"            | 58" x 4" DROP  |
| 26   | 31  | 60"          | 2500   | 60" x 4"            | 60" x 4" DROP  |
| 27   | 32  | 62"          | 2600   | 62" x 4"            | 62" x 4" DROP  |
| 28   | 33  | 64"          | 2700   | 64" x 4"            | 64" x 4" DROP  |
| 29   | 34  | 66"          | 2800   | 66" x 4"            | 66" x 4" DROP  |
| 30   | 35  | 68"          | 2900   | 68" x 4"            | 68" x 4" DROP  |
| 31   | 36  | 70"          | 3000   | 70" x 4"            | 70" x 4" DROP  |
| 32   | 37  | 72"          | 3100   | 72" x 4"            | 72" x 4" DROP  |
| 33   | 38  | 74"          | 3200   | 74" x 4"            | 74" x 4" DROP  |
| 34   | 39  | 76"          | 3300   | 76" x 4"            | 76" x 4" DROP  |
| 35   | 40  | 78"          | 3400   | 78" x 4"            | 78" x 4" DROP  |
| 36   | 41  | 80"          | 3500   | 80" x 4"            | 80" x 4" DROP  |
| 37   | 42  | 82"          | 3600   | 82" x 4"            | 82" x 4" DROP  |
| 38   | 43  | 84"          | 3700   | 84" x 4"            | 84" x 4" DROP  |
| 39   | 44  | 86"          | 3800   | 86" x 4"            | 86" x 4" DROP  |
| 40   | 45  | 88"          | 3900   | 88" x 4"            | 88" x 4" DROP  |
| 41   | 46  | 90"          | 4000   | 90" x 4"            | 90" x 4" DROP  |
| 42   | 47  | 92"          | 4100   | 92" x 4"            | 92" x 4" DROP  |
| 43   | 48  | 94"          | 4200   | 94" x 4"            | 94" x 4" DROP  |
| 44   | 49  | 96"          | 4300   | 96" x 4"            | 96" x 4" DROP  |
| 45   | 50  | 98"          | 4400   | 98" x 4"            | 98" x 4" DROP  |
| 46   | 51  | 100"         | 4500   | 100" x 4"           | 100" x 4" DROP |
| 47   | 52  | 102"         | 4600   | 102" x 4"           | 102" x 4" DROP |
| 48   | 53  | 104"         | 4700   | 104" x 4"           | 104" x 4" DROP |
| 49   | 54  | 106"         | 4800   | 106" x 4"           | 106" x 4" DROP |
| 50   | 55  | 108"         | 4900   | 108" x 4"           | 108" x 4" DROP |
| 51   | 56  | 110"         | 5000   | 110" x 4"           | 110" x 4" DROP |
| 52   | 57  | 112"         | 5100   | 112" x 4"           | 112" x 4" DROP |
| 53   | 58  | 114"         | 5200   | 114" x 4"           | 114" x 4" DROP |
| 54   | 59  | 116"         | 5300   | 116" x 4"           | 116" x 4" DROP |
| 55   | 60  | 118"         | 5400   | 118" x 4"           | 118" x 4" DROP |
| 56   | 61  | 120"         | 5500   | 120" x 4"           | 120" x 4" DROP |
| 57   | 62  | 122"         | 5600   | 122" x 4"           | 122" x 4" DROP |
| 58   | 63  | 124"         | 5700   | 124" x 4"           | 124" x 4" DROP |
| 59   | 64  | 126"         | 5800   | 126" x 4"           | 126" x 4" DROP |
| 60   | 65  | 128"         | 5900   | 128" x 4"           | 128" x 4" DROP |
| 61   | 66  | 130"         | 6000   | 130" x 4"           | 130" x 4" DROP |
| 62   | 67  | 132"         | 6100   | 132" x 4"           | 132" x 4" DROP |
| 63   | 68  | 134"         | 6200   | 134" x 4"           | 134" x 4" DROP |
| 64   | 69  | 136"         | 6300   | 136" x 4"           | 136" x 4" DROP |
| 65   | 70  | 138"         | 6400   | 138" x 4"           | 138" x 4" DROP |
| 66   | 71  | 140"         | 6500   | 140" x 4"           | 140" x 4" DROP |
| 67   | 72  | 142"         | 6600   | 142" x 4"           | 142" x 4" DROP |
| 68   | 73  | 144"         | 6700   | 144" x 4"           | 144" x 4" DROP |
| 69   | 74  | 146"         | 6800   | 146" x 4"           | 146" x 4" DROP |
| 70   | 75  | 148"         | 6900   | 148" x 4"           | 148" x 4" DROP |
| 71   | 76  | 150"         | 7000   | 150" x 4"           | 150" x 4" DROP |
| 72   | 77  | 152"         | 7100   | 152" x 4"           | 152" x 4" DROP |
| 73   | 78  | 154"         | 7200   | 154" x 4"           | 154" x 4" DROP |
| 74   | 79  | 156"         | 7300   | 156" x 4"           | 156" x 4" DROP |
| 75   | 80  | 158"         | 7400   | 158" x 4"           | 158" x 4" DROP |
| 76   | 81  | 160"         | 7500   | 160" x 4"           | 160" x 4" DROP |
| 77   | 82  | 162"         | 7600   | 162" x 4"           | 162" x 4" DROP |
| 78   | 83  | 164"         | 7700   | 164" x 4"           | 164" x 4" DROP |
| 79   | 84  | 166"         | 7800   | 166" x 4"           | 166" x 4" DROP |
| 80   | 85  | 168"         | 7900   | 168" x 4"           | 168" x 4" DROP |
| 81   | 86  | 170"         | 8000   | 170" x 4"           | 170" x 4" DROP |
| 82   | 87  | 172"         | 8100   | 172" x 4"           | 172" x 4" DROP |
| 83   | 88  | 174"         | 8200   | 174" x 4"           | 174" x 4" DROP |
| 84   | 89  | 176"         | 8300   | 176" x 4"           | 176" x 4" DROP |
| 85   | 90  | 178"         | 8400   | 178" x 4"           | 178" x 4" DROP |
| 86   | 91  | 180"         | 8500   | 180" x 4"           | 180" x 4" DROP |
| 87   | 92  | 182"         | 8600   | 182" x 4"           | 182" x 4" DROP |
| 88   | 93  | 184"         | 8700   | 184" x 4"           | 184" x 4" DROP |
| 89   | 94  | 186"         | 8800   | 186" x 4"           | 186" x 4" DROP |
| 90   | 95  | 188"         | 8900   | 188" x 4"           | 188" x 4" DROP |
| 91   | 96  | 190"         | 9000   | 190" x 4"           | 190" x 4" DROP |
| 92   | 97  | 192"         | 9100   | 192" x 4"           | 192" x 4" DROP |
| 93   | 98  | 194"         | 9200   | 194" x 4"           | 194" x 4" DROP |
| 94   | 99  | 196"         | 9300   | 196" x 4"           | 196" x 4" DROP |
| 95   | 100 | 198"         | 9400   | 198" x 4"           | 198" x 4" DROP |
| 96   | 101 | 200"         | 9500   | 200" x 4"           | 200" x 4" DROP |
| 97   | 102 | 202"         | 9600   | 202" x 4"           | 202" x 4" DROP |
| 98   | 103 | 204"         | 9700   | 204" x 4"           | 204" x 4" DROP |
| 99   | 104 | 206"         | 9800   | 206" x 4"           | 206" x 4" DROP |
| 100  | 105 | 208"         | 9900   | 208" x 4"           | 208" x 4" DROP |
| 101  | 106 | 210"         | 10000  | 210" x 4"           | 210" x 4" DROP |
| 102  | 107 | 212"         | 10100  | 212" x 4"           | 212" x 4" DROP |
| 103  | 108 | 214"         | 10200  | 214" x 4"           | 214" x 4" DROP |
| 104  | 109 | 216"         | 10300  | 216" x 4"           | 216" x 4" DROP |
| 105  | 110 | 218"         | 10400  | 218" x 4"           | 218" x 4" DROP |
| 106  | 111 | 220"         | 10500  | 220" x 4"           | 220" x 4" DROP |
| 107  | 112 | 222"         | 10600  | 222" x 4"           | 222" x 4" DROP |
| 108  | 113 | 224"         | 10700  | 224" x 4"           | 224" x 4" DROP |
| 109  | 114 | 226"         | 10800  | 226" x 4"           | 226" x 4" DROP |
| 110  | 115 | 228"         | 10900  | 228" x 4"           | 228" x 4" DROP |
| 111  | 116 | 230"         | 11000  | 230" x 4"           | 230" x 4" DROP |
| 112  | 117 | 232"         | 11100  | 232" x 4"           | 232" x 4" DROP |
| 113  | 118 | 234"         | 11200  | 234" x 4"           | 234" x 4" DROP |
| 114  | 119 | 236"         | 11300  | 236" x 4"           | 236" x 4" DROP |
| 115  | 120 | 238"         | 11400  | 238" x 4"           | 238" x 4" DROP |
| 116  | 121 | 240"         | 11500  | 240" x 4"           | 240" x 4" DROP |
| 117  | 122 | 242"         | 11600  | 242" x 4"           | 242" x 4" DROP |
| 118  | 123 | 244"         | 11700  | 244" x 4"           | 244" x 4" DROP |
| 119  | 124 | 246"         | 11800  | 246" x 4"           | 246" x 4" DROP |
| 120  | 125 | 248"         | 11900  | 248" x 4"           | 248" x 4" DROP |
| 121  | 126 | 250"         | 12000  | 250" x 4"           | 250" x 4" DROP |
| 122  | 127 | 252"         | 12100  | 252" x 4"           | 252" x 4" DROP |
| 123  | 128 | 254"         | 12200  | 254" x 4"           | 254" x 4" DROP |
| 124  | 129 | 256"         | 12300  | 256" x 4"           | 256" x 4" DROP |
| 125  | 130 | 258"         | 12400  | 258" x 4"           | 258" x 4" DROP |
| 126  | 131 | 260"         | 12500  | 260" x 4"           | 260" x 4" DROP |
| 127  | 132 | 262"         | 12600  | 262" x 4"           | 262" x 4" DROP |
| 128  | 133 | 264"         | 12700  | 264" x 4"           | 264" x 4" DROP |
| 129  | 134 | 266"         | 12800  | 266" x 4"           | 266" x 4" DROP |
| 130  | 135 | 268"         | 12900  | 268" x 4"           | 268" x 4" DROP |
| 131  | 136 | 270"         | 13000  | 270" x 4"           | 270" x 4" DROP |
| 132  | 137 | 272"         | 13100  | 272" x 4"           | 272" x 4" DROP |
| 133  | 138 | 274"         | 13200  | 274" x 4"           | 274" x 4" DROP |
| 134  | 139 | 276"         | 13300  | 276" x 4"           | 276" x 4" DROP |
| 135  | 140 | 278"         | 13400  | 278" x 4"           | 278" x 4" DROP |
| 136  | 141 | 280"         | 13500  | 280" x 4"           | 280" x 4" DROP |
| 137  | 142 | 282"         | 13600  | 282" x 4"           | 282" x 4" DROP |
| 138  | 143 | 284"         | 13700  | 284" x 4"           | 284" x 4" DROP |
| 139  | 144 | 286"         | 13800  | 286" x 4"           | 286" x 4" DROP |
| 140  | 145 | 288"         | 13900  | 288" x 4"           | 288" x 4" DROP |
| 141  | 146 | 290"         | 14000  | 290" x 4"           | 290" x 4" DROP |
| 142  | 147 | 292"         | 14100  | 292" x 4"           | 292" x 4" DROP |
| 143  | 148 | 294"         | 14200  | 294" x 4"           | 294" x 4" DROP |
| 144  | 149 | 296"         | 14300  | 296" x 4"           | 296" x 4" DROP |
| 145  | 150 | 298"         | 14400  | 298" x 4"           | 298" x 4" DROP |
| 146  | 151 | 300"         | 14500  | 300" x 4"           | 300" x 4" DROP |
| 147  | 152 | 302"         | 14600  | 302" x 4"           | 302" x 4" DROP |
| 148  | 153 | 304"         | 14700  | 304" x 4"           | 304" x 4" DROP |
| 149  | 154 | 306"         | 14800  | 306" x 4"           | 306" x 4" DROP |
| 150  | 155 | 308"         | 14900  | 308" x 4"           | 308" x 4" DROP |
| 151  | 156 | 310"         | 15000  | 310" x 4"           | 310" x 4" DROP |
| 152  | 157 | 312"         | 15100  | 312" x 4"           | 312" x 4" DROP |
| 153  | 158 | 314"         | 15200  | 314" x 4"           | 314" x 4" DROP |
| 154  | 159 | 316"         | 15300  | 316" x 4"           | 316" x 4" DROP |
| 155  | 160 | 318"         | 15400  | 318" x 4"           | 318" x 4" DROP |
| 156  | 161 | 320"         | 15500  | 320" x 4"           | 320" x 4" DROP |
| 157  | 162 | 322"         | 15600  | 322" x 4"           | 322" x 4" DROP |
| 158  | 163 | 324"         | 15700  | 324" x 4"           | 324" x 4" DROP |
| 159  | 164 | 326"         | 15800  | 326" x 4"           | 326" x 4" DROP |
| 160  | 165 | 328"         | 15900  | 328" x 4"           | 328" x 4" DROP |
| 161  | 166 | 330"         | 16000  | 330" x 4"           | 330" x 4" DROP |
| 162  | 167 | 332"         | 16100  | 332" x 4"           | 332" x 4" DROP |
| 163  | 168 | 334"         | 16200  | 334" x 4"           | 334" x 4" DROP |
| 164  | 169 | 336"         | 16300  | 336" x 4"           | 336" x 4" DROP |
| 165  | 170 | 338"         | 16400  | 338" x 4"           | 338" x 4" DROP |
| 166  | 171 | 340"         | 16500  | 340" x 4"           | 340" x 4" DROP |
| 167  | 172 | 342"         | 16600  | 342" x 4"           | 342" x 4" DROP |
| 168  | 173 | 344"         | 16700  | 344" x 4"           | 344" x 4" DROP |
| 169  | 174 | 346"         | 16800  | 346" x 4"           | 346" x 4" DROP |
| 170  | 175 | 348"         | 16900  | 348" x 4"           | 348" x 4" DROP |
| 171  | 176 | 350"         | 17000  | 350" x 4"           | 350" x 4" DROP |
| 172  | 177 | 352"         | 17100  | 352" x 4"           | 352" x 4" DROP |
| 173  | 178 | 354"         | 17200  | 354" x 4"           | 354" x 4" DROP |
| 174  | 179 | 356"         | 17300  | 356" x 4"           | 356" x 4" DROP |
| 175  | 180 | 358"         | 17400  | 358" x 4"           | 35             |