



**CONTRACTOR NAME**  
**CITY, STATE**

**CONTRACTOR**  
**LOGO**

|                   |             | WG STATIC<br>POS OR NEG |      | SHOP STANDARDS<br>RECTANGULAR DUCT CONSTRUCTION |       |          |           |           |                       |         |
|-------------------|-------------|-------------------------|------|---|-------|----------|-----------|-----------|-----------------------|---------|
| DUCT<br>DIMENSION | PANEL<br>GA | JOINTS                  |      |   |       | TIE RODS |           |           | LONG.<br>SEAM<br>TYPE | REMARKS |
|                   |             | TYPE                    | SIZE | GA  | SPACE | TYPE     | +<br>SIZE | -<br>SIZE |                       |         |
|                   |             | ①                       | ②    |   | ③     | ④        | ⑤         | ⑥         | ⑦                     | ⑧       |
| 8 " dn            |             |                         |      |   |       |          |           |           |                       |         |
| 9, 10"            |             |                         |      |   |       |          |           |           |                       |         |
| 11, 12"           |             |                         |      |   |       |          |           |           |                       |         |
| 13, 14"           |             |                         |      |   |       |          |           |           |                       |         |
| 15, 16"           |             |                         |      |   |       |          |           |           |                       |         |
| 17, 18"           |             |                         |      |   |       |          |           |           |                       |         |
| 19, 20"           |             |                         |      |   |       |          |           |           |                       |         |
| 21, 22"           |             |                         |      |   |       |          |           |           |                       |         |
| 23, 24"           |             |                         |      |   |       |          |           |           |                       |         |
| 25, 26"           |             |                         |      |   |       |          |           |           |                       |         |
| 27, 28"           |             |                         |      |   |       |          |           |           |                       |         |
| 29, 30"           |             |                         |      |   |       |          |           |           |                       |         |
| 31-36"            |             |                         |      |   |       |          |           |           |                       |         |
| 37-42"            |             |                         |      |   |       |          |           |           |                       |         |
| 43-48"            |             |                         |      |   |       |          |           |           |                       |         |
| 49-54"            |             |                         |      |   |       |          |           |           |                       |         |
| 55-60"            |             |                         |      |   |       |          |           |           |                       |         |
| 61-72"            |             |                         |      |   |       |          |           |           |                       |         |
| 73-84"            |             |                         |      |   |       |          |           |           |                       |         |
| 85-96"            |             |                         |      |   |       |          |           |           |                       |         |
| 97-108"           |             |                         |      |   |       |          |           |           |                       |         |
| 109-120"          |             |                         |      |   |       |          |           |           |                       |         |

**Notes:**

- ① Indicates joint type from Figure 2-1 (i.e., T-1, T-10., etc.) (TDC/TDF may be used).
- ② Indicates joint size.
- ③ Indicates spacing between joints.
- ④ Indicates type of tie rod used.
- ⑤ Indicates the size of tie rod for positive pressure.
- ⑥ Indicates size of tie rod for negative pressure.
- ⑦ Indicates longitudinal seam from Figure 2-2 (i.e., L-1, L-3, etc.)
- ⑧ Bolded line indicates application range limit for midpanel tie rods (MPT) in the 2005 HVAC-DCS.



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|                         |             | <b>SHOP STANDARDS</b>                |           |           |         |         |
|-------------------------|-------------|--------------------------------------|-----------|-----------|---------|---------|
| WG STATIC<br>POS OR NEG |             | <b>RECTANGULAR DUCT CONSTRUCTION</b> |           |           |         |         |
| DUCT<br>DIMENSION       | PANEL<br>GA | INTERMEDIATE REINFORCEMENTS          |           |           |         | REMARKS |
|                         |             | TYPE                                 | +<br>SIZE | -<br>SIZE | SPACING |         |
|                         |             | ①                                    | ②         | ③         | ④       | ⑤       |
| 8 " dn                  |             |                                      |           |           |         |         |
| 9, 10"                  |             |                                      |           |           |         |         |
| 11, 12"                 |             |                                      |           |           |         |         |
| 13, 14"                 |             |                                      |           |           |         |         |
| 15, 16"                 |             |                                      |           |           |         |         |
| 17, 18"                 |             |                                      |           |           |         |         |
| 19, 20"                 |             |                                      |           |           |         |         |
| 21, 22"                 |             |                                      |           |           |         |         |
| 23, 24"                 |             |                                      |           |           |         |         |
| 25, 26"                 |             |                                      |           |           |         |         |
| 27, 28"                 |             |                                      |           |           |         |         |
| 29, 30"                 |             |                                      |           |           |         |         |
| 31-36"                  |             |                                      |           |           |         |         |
| 37-42"                  |             |                                      |           |           |         |         |
| 43-48"                  |             |                                      |           |           |         |         |
| 49-54"                  |             |                                      |           |           |         |         |
| 55-60"                  |             |                                      |           |           |         |         |
| 61-72"                  |             |                                      |           |           |         |         |
| 73-84"                  |             |                                      |           |           |         |         |
| 85-96"                  |             |                                      |           |           |         |         |
| 97-108"                 |             |                                      |           |           |         |         |
| 109-120"                |             |                                      |           |           |         |         |

Notes:

- ① Indicates intermediate reinforcement type (A-Angle C Channel) Z-Zee H-Hat Section  
TR - Tie Rod in stiffener MPT Midpanel Tie Rod.
- ② Indicates size of intermediate stiffener for positive pressure.
- ③ Indicates size of intermediate stiffener for negative pressure.
- ④ Indicates location of intermediate stiffener.
- ⑤ Bolded line indicates application range limit for midpanel tie rods (MPT)  
in the 2005 HVAC-DCS.