

RECT. DUCT CONSTRUCTION STANDARDS



8610 Wallisville Rd., Houston, TX 77029 | 713-678-8471 ph. | 713-672-0509 fax | www.DuctDirect.com

RECTANGULAR DUCT CONSTRUCTION STANDARDS
POSITIVE AND NEGATIVE PRESSURES

Project:

Location:

DUCT DIMENSIONS	GA.	JOINT LGTH	TRANSVERSE JOINT TYPE	TRANSVERSE JOINT REINFORCEMENT	INTERMEDIATE REINFORCEMENT	WATER GAUGE
1" Water Gauge						
0" - 16"	26	5'	Flat "S" and Drive	Not required	Not required	1"
17"-28"	26	5'	S & Drive (TDC if drive side above 20")	1"X 22 gauge standing S	Not required	1"
29"-30"	26	5'	T-25a	Not required	Not required	1"
31"-42"	24	5'	T-25a	Not required	Not required	1"
43"-54"	22	5'	T-25a	Not required	Not required	1"
55"-72"	22	5'	T-25a	Not required	Mid-panel Conduit	1"
73"-84"	20	5'	T-25a	Conduit	Mid-panel Conduit	1"
85"-96"	20	5'	T-25a	Conduit	(2) Mid-panel Conduits	1"
97"-108"	18	5'	T-25a	Conduit	2x3/16 Angle and MP Conduit	1"
109"-120"	18	5'	T-25a	Conduit	2x3/16 Angle and MP Conduit	1"

2" Water Gauge						
0" - 12"	26	5'	Flat "S" and Drive	Not required	Not required	2"
13" - 20"	26	5'	S & Drive (TDC if drive side above 20")	1"X 24 gauge standing S	Not required	2"
21" - 26"	26	5'	T-25a	Not required	Not required	2"
27" - 30"	24	5'	T-25a	Not required	Not required	2"
31" - 42"	24	5'	T-25a	Not required	Mid-panel Conduit	2"
43" - 54"	22	5'	T-25a	Not required	Mid-panel Conduit	2"
55" - 60"	22	5'	T-25a	Conduit	Mid-panel Conduit	2"
61" - 72"	20	5'	T-25a	Conduit	Mid-panel Conduit	2"
73" - 96"	20	5'	T-25a	Conduit	(2) Mid-panel Conduits	2"
97" - 120"	18	5'	T-25a	Conduit	Mid-panel Conduit + 2x2 angle	2"

3" Water Gauge						
0" - 12"	26	5'	Flat "S" and Drive	Not required	Not required	3"
13" - 18"	24	5'	S & Drive (TDC if drive side above 20")	1"X 24 gauge standing S	Not required	3"
19" - 22"	24	5'	drive side above 20")	standing S	Not required	3"
23" - 26"	24	5'	T-25a	Not required	Not required	3"
27" - 30"	22	5'	T-25a	Not required	Not required	3"
31" - 42"	22	5'	T-25a	Not required	Mid-panel Conduit	3"
43" - 54"	22	5'	T-25a	Conduit	Mid-panel Conduit	3"
55" - 60"	20	5'	T-25a	Conduit	Mid-panel Conduit	3"
61" - 84"	20	5'	T-25a	Conduit	(2) Mid-panel Conduits	3"
85" - 96"	18	5'	T-25a	Conduit	(2) Mid-panel Conduits	3"
97" - 120"	18	5'	T-25a	Conduit	2 1/2 x 1/4 Angle + MPC	3"

RECT. DUCT CONSTRUCTION STANDARDS

4" Water Gauge						
0" - 12"	26	5'	T-25a	Not required	Not required	4"
13" - 22"	24	5'	T-25a	Not required	Not required	4"
23" - 30"	24	5'	T-25a	Not required	Mid-panel Conduit	4"
31" - 36"	22	5'	T-25a	Not required	Mid-panel Conduit	4"
37" - 42"	22	5'	T-25a	Conduit	Mid-panel Conduit	4"
43" - 60"	20	5'	T-25a	Conduit	Mid-panel Conduit	4"
61" - 72"	20	5'	T-25a	Conduit	(2) Mid-panel Conduits	4"
73" - 96"	18	5'	T-25a	Conduit	(2) Mid-panel Conduits	4"
97" - 120"	18	5'	T-25a	Conduit	2 1/2 x 1/4 Angle + MPT	4"

6" Water Gauge						
0" - 8"	26	5'	T-25a	Not required	Not required	6"
9" - 12"	24	5'	T-25a	Not required	Not required	6"
13" - 24"	22	5'	T-25a	Not required	Not required	6"
25" - 30"	22	5'	T-25a	Not required	Mid-panel Conduit	6"
31" - 36"	20	5'	T-25a	Not required	Mid-panel Conduit	6"
37" - 60"	20	5'	T-25a	Conduit	Mid-panel Conduit	6"
61" - 72"	18	5'	T-25a	Conduit	Mid-panel Conduit	6"
73" - 84"	18	5'	T-25a	Conduit	(2) Mid-panel Conduits	6"
85" - 96"	18	4'	T-25a	Conduit	(2) Mid-panel Conduits	6"
97" - 120"	18	2'	T-25a	Conduit	N/A	6"