

FOR QUESTIONS, CALL THE
Seattle Mechanical
REGION 116
PHONE: (206) 895 - 2116
EMAIL: reg116@captiveaire.com

Separate permits are required for fire suppression systems at Hood/duct.

Revision set; SEE orginal permit set for notes and comments.

City of Puyallup
Reviewed for
Compliance

03/06/2025
12:18:15 PM

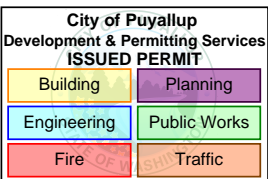


Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.
PRINT in COLOR and to SCALE.

APPROVED BY: Jim Still

Date Approved: 020525



REVISIONS

DESCRIPTION	DATE:
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Seattle Mechanical
www.captiveaire.com
10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 895 - 2116 EMAIL: reg116@captiveaire.com

International Village – Duct – H 1, 2, 8
PUYALLUP, WA, 98371

DATE: 2/5/2025

DWG: 7310306

DRAWN BY:

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
1

DUCTWORK #1 PARTS – JOB#7310306 DOUBLE WALL H-01												
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	WEIGHT	VELOCITY
Hood Riser	DW200WRISER-3Z-S	1760					-0.74	9.60	0.00	1	DOUBBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE CLAMPS FOR INNER & OUTER CONNECTIONS.	
Hood Riser	DW200WRISER-3Z-S	1760					-0.74	9.60	0.00	1	DOUBBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE CLAMPS FOR INNER & OUTER CONNECTIONS.	
P1	DW1407DWLT-3Z-S	1760					-0.0028	11.08	1646.36	1	DOUBBLE WALL DUCT – 14" INNER DUCT, 7" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P1							-0.1426	0.00				
P2	DW1447DWLT-3Z-S	1760					-0.0189	76.70	1646.36	1	DOUBBLE WALL DUCT – 14" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P2							-0.7617	0.00				
ASSEMBLED W/P4	DW140WTEASY-3Z-S	1760			1		-0.0777	46.80	1646.36	1	DOUBBLE WALL DUCT – 14" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P3							-0.8394	0.00				
ASSEMBLED W/P3 O+S	DW140MACCDOORCOV-3Z-S						21.24			1	DOUBLE WALL DUCT – 14" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
P5	DW1420DWADPECCASV21-3Z-S	1760					-0.0934	52.03	1646.36	1	DOUBBLE WALL DUCT ECCENTRIC – 14" X 20" RND2RND ADAPTER – 21" TALL – 3 LAYERS ZERO CLEARANCE – 20" X 26" STAINLESS STEEL OUTER SHELL, STANDARD ADAPTER.	
SYSTEM AT P5							-0.9328	0.00				
P6	DW200WTEASY-3Z-S	3520			1		-0.3432	76.37	1613.45	1	DOUBBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P6							-1.276	0.00				
P7	DW1420DWADPECCASV21-3Z-S	1760					-0.0934	52.03	1646.36	1	DOUBBLE WALL DUCT ECCENTRIC – 14" X 20" RND2RND ADAPTER – 21" TALL – 3 LAYERS ZERO CLEARANCE – 20" X 26" STAINLESS STEEL OUTER SHELL, STANDARD ADAPTER.	
SYSTEM AT P7							-0.9328	0.00				
ASSEMBLED W/P11	DW140WTEASY-3Z-S	1760			1		-0.0777	46.80	1646.36	1	DOUBBLE WALL DUCT – 14" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P8							-0.8394	0.00				
P9	DW1447DWLT-3Z-S	1760					-0.0189	76.70	1646.36	1	DOUBBLE WALL DUCT – 14" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P9							-0.7617	0.00				
P10	DW1407DWLT-3Z-S	1760					-0.0028	11.08	1646.36	1	DOUBBLE WALL DUCT – 14" INNER DUCT, 7" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P10							-0.7426	0.00				
P11	DW140MACCDOORCOV-3Z-S						21.24			1	DOUBLE WALL DUCT – 14" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P8 O+S												
P12	DW20035DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P12							-1.2831	0.00				
P13	DW2047DWAD-3Z-S	3520					-0.0068	144.57	1613.45	1	DOUBBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL, MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT, INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
SYSTEM AT P13							-1.2899	0.00				
P14	DW20035DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P14							-1.297	0.00				
P15	DW200WTEASY-3Z-S	3520			1		-0.1419	76.37	1613.45	1	DOUBBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P15							-1.4398	0.00				
P16	DW2001DWOFFSEASY-3Z-S	3520					-0.0016	14.98	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT RISER & 1 DEGREE OFFSET – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P16							-1.4405	0.00				
P17	DW20035DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P17							-1.4525	0.00				
P18	DW2047DWAD-3Z-S	3520					-0.0049	144.57	1613.45	1	DOUBBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL, MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT, INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
SYSTEM AT P18							-1.4525	0.00				
P19	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P20	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P21	DW20035DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P21							-1.4596	0.00				
P22	DW200WTEASY-3Z-S	3520			1		-0.0065	76.37	1613.45	1	DOUBBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P23 P24							-1.4661	0.00				
SYSTEM AT P22							-0.0065	5.45	1613.45	1	DUCT MODULE – FIRESTAT SENSOR KIT – PARTS REQUIRED TO INSTALL 360° F FIRESTAT INTO DOUBLE WALL EXHAUST DUCTWORK WITH 2 OR 3 INCHES OF INSULATION.	
ASSEMBLED W/P22							-1.4661	0.00				
SYSTEM AT P23							-1.4661	0.00				
ASSEMBLED W/P22 O+T	DW200MACCDOORCOV-3Z-S						32.56			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
P25	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P25							-1.4756	0.00				
P26	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P26							-1.4851	0.00				
P27	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P27							-1.4846	0.00				
P28	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
ASSEMBLED W/P29	DW200WTEASY-3Z-S	3520			1		-0.0065	76.37	1613.45	1	DOUBBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P29							-1.5011	0.00				
ASSEMBLED W/P29 O+T	DW200MACCDOORCOV-3Z-S						32.56			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
P31	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P31							-1.5108	0.00				
P32	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P33	DW20035DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P33							-1.5177	0.00				

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT SPACING (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HORIZONTAL		VERTICAL		
DUCT DIAMETER	SUPPORT SPACING (FT)	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
5"	7"			
6"	7"			
7"	7"			
8"	7"			
10"	7"			
12"	7"			
14"	7"			
16"	7"			
18"	5"			
20"	5"			
22"	5"			
24"	5"			
26"	5"			
28"	5"			
30"	5"			
32"	5"			
34"	5"			
36"	5"			

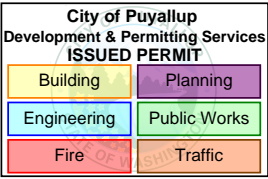
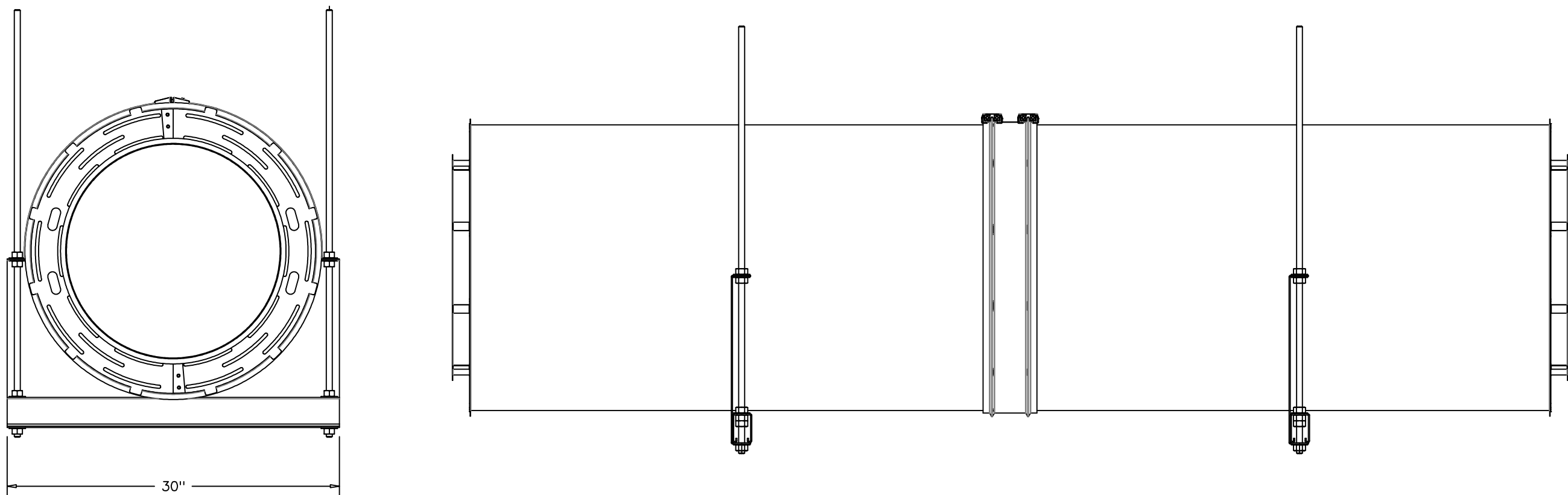
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5"-16")	20'	24'	24'
2R (16")	18'	24'	24'
3R & 3Z (5"-24")	10'	24'	24'
3Z (26"-36")	10'	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

DUCTWORK #1 PARTS – JOB#7310306 DOUBLE WALL H-01												
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION	WEIGHT	VELOCITY
P34	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P35	DW2027DWAD-3Z-S	3520					-0.0046	81.21	1613.45	1	DOUBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL, MIN LENGTH = 11" / MAX LENGTH = 24.5" / ADJUSTMENT = 13.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT.	
SYSTEM AT P35							-1.5223	0.00		1	INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
P36	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P36							-1.5318	0.00				
P37	DW200WTEASY-3Z-S	3520			1		-0.0085	76.37	1613.45	1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P36,P39							-1.5383	0.00				
SYSTEM AT P37							-1.5383	0.00				
P38	TEE-CORE SENSOR KIT-3600W	3520			1		-0.0065	5.45	1613.45	1	DUCT MODULE – FIRESTAT SENSOR KIT – PARTS REQUIRED TO INSTALL 360° F FIRESTAT INTO DOUBLE WALL EXHAUST DUCTWORK WITH 2 OR 3 INCHES OF INSULATION.	
ASSEMBLED W/P37							-1.5383	0.00				
SYSTEM AT P38							-1.5383	0.00				
ASSEMBLED W/P37 O+T	DW200MACCDOORCOV-3Z-S						32.56			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
P40	DW20235DWLT-3Z-S	3520					-0.0047	50.30	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT, 23" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P40							-1.543	0.00				
P41	DW2020DWASY-3Z-S	3520					-0.0844	66.28	1613.45	1	DOUBLE WALL DUCT – 20" INNER 90 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P41							-1.6274	0.00				
P42	DW2001DWOFFSEASY-3Z-S	3520					-0.0016	14.98	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT RISER & 1 DEGREE OFFSET – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P42							-1.629	0.00				
P43	DW2047DWAD-3Z-S	3520					-0.0053	144.57	1613.45	1	DOUBBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL, MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT, INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.	
SYSTEM AT P43							-1.6343	0.00				
P44	DW200WTEASY-3Z-S	3520			1		-0.0085	76.37	1613.45	1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P44 O+T							-1.6408	0.00				
P46	DW200MACCDOORCOV-3Z-S						32.56			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P44 O+T							-0.0569	37.66	1613.45	1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P46							-1.6977	0.00				
P47	DW20235DWLT-3Z-S	3520					-0.0071	77.15	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P47							-1.7048	0.00				
P48	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P49	DW2025WASY-3Z-S	3520					-0.0608	37.66	1613.45	1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P49							-1.7658	0.00				
P50	DW2047DWLT-3Z-S	3520					-0.0085	103.73	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
SYSTEM AT P50							-1.7751	0.00				
P51	DW202150DWLT-3Z-S	3520					-0.0044	47.80	1613.45	1	DOUBLE WALL DUCT – 20" INNER DUCT, 21.5" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.	
ASSEMBLED W/P51							-1.7795	0.00				
P52	DW3120TPOB	3520					21.88		1613.45	1	DUCT TO CURVE TRANSITION DOWN TURN, 31" 1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED, NON-STANDARD PART, NOT FOR USE WITH EXHAUST FANS.	
SYSTEM AT P52							-1.7795	0.00				
P53	DW200RISER	3520					-0.0098	31.1	1613.45	1	SINGLE WALL DUCT RISER FOR WELDED HOODS, 20" DA DUCT, STAINLESS STEEL.	
ASSEMBLED W/P52							-1.7963	0.00				
P54	DW2011LT	3520					-0.0022	7.77	1613.45	1	SINGLE WALL DUCT 20" DIAMETER, 11" LONG, FLANGE AT BOTH ENDS, STAINLESS STEEL.	
SYSTEM AT P54							-1.7949	0.00				
P55	DW2024ADKIT	3520					-0.0024	20.78	1613.45	1	SINGLE WALL DUCT ADJUSTABLE, 20" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 20" ADJUSTABLE COLLAR – STAINLESS STEEL.	
SYSTEM AT P55							-1.7949	0.00				
P56	DW2820TPOBEX	3520					9.00		1613.45	1	DUCT TO CURVE TRANSITION 3/4" DOWN TURN, 16 1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED, DESIGNED FOR USE WITH EXHAUST FANS & NOISE/PIPA / NOISE/PIPA, TRANSITION PLATE IS 27.50"	
ASSEMBLED W/P55 O+T							10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P57	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P58	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P59	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P60	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P61	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P62	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P63	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P64	DW200MACCDOORCOV-3Z-S						32.56			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
ASSEMBLED W/P15 O+3							10.46			1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.	
P65	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P66	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P67	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
P68	DW2630SADKIT						10.46			1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UN-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.	
RC1	DW200RISER-3Z-S						9.60			1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 47" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER KIT ASSEMBLY, INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.	
RC2	DW200RISER-3Z-S						9.60			1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 47" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER KIT ASSEMBLY, INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.	
P69	SM-2000PLUS						0.80			13	DUCT – 3M FIRE BARRIER 2000 PLUS SPLICING – USED AS SEALANT TO SEAL DUCT JOINTS.	
P70	DW140KCLASY-3Z-S						6.54			6	DUCT – 14" DUCT – 20" DOUBLE "V" CLAMP – 32 INSULATION & SINGLE "V" CLAMP INCLUDED – ZERO CLEARANCE.	
DW200CLASY							1.41			2	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 20" DUCT, ASSEMBLY.	

SUPPORT SYSTEM DETAILS #1

DW2630SADKIT – HORIZONTAL SUPPORTS



REVISIONS

DESCRIPTION	DATE:
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Δ	
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Seattle Mechanical
www.captiveaire.com



10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 885 - 2118 EMAIL: reg16@captivea.com

International Village – Duct – H 1, 2, 8
PUYALLUP, WA, 98371

DATE: 2/5/2025

DWG. NO:
7310306

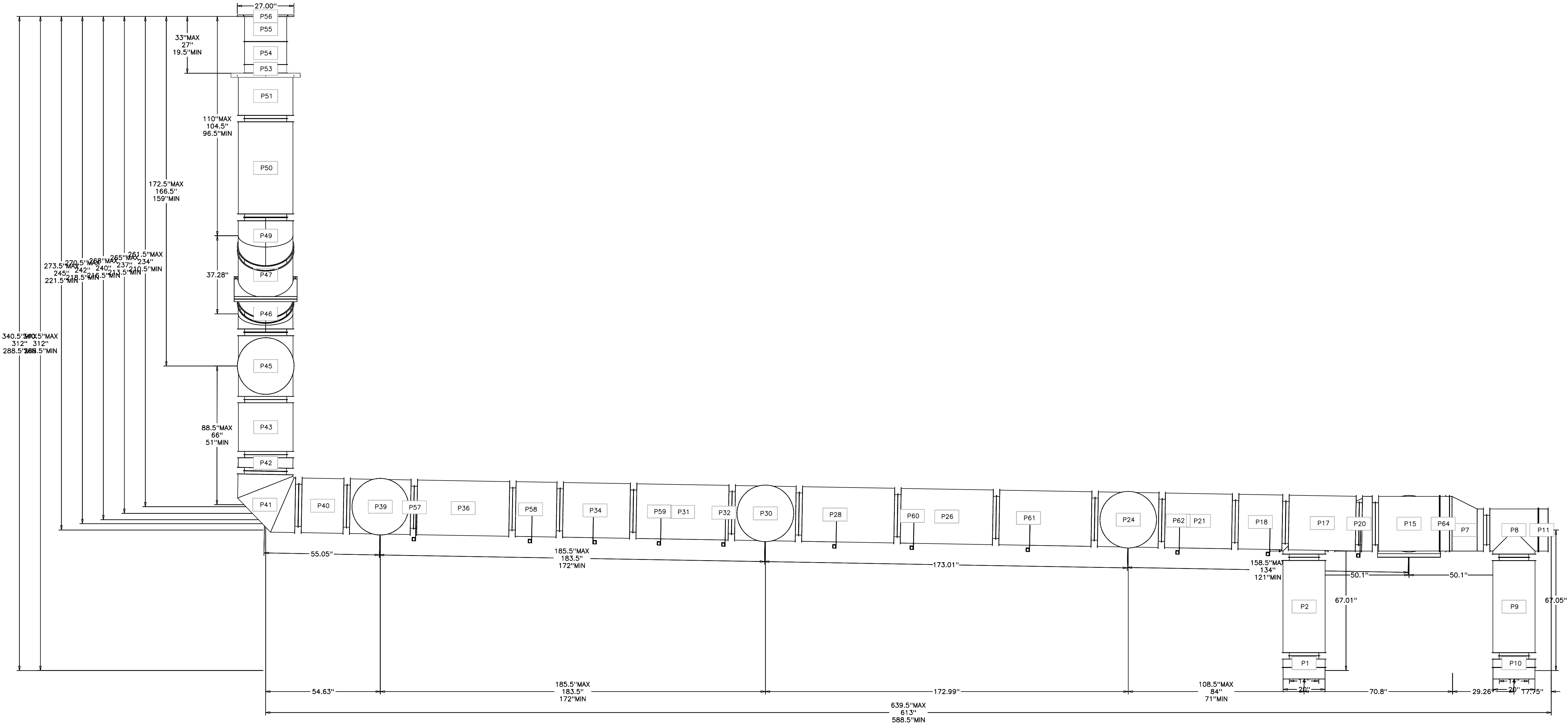
DRAWN BY:

SCALE:
3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
3

DUCTWORK #1 FRONT VIEW
H-01



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

REVISIONS	
DESCRIPTION	DATE:

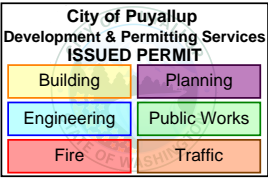
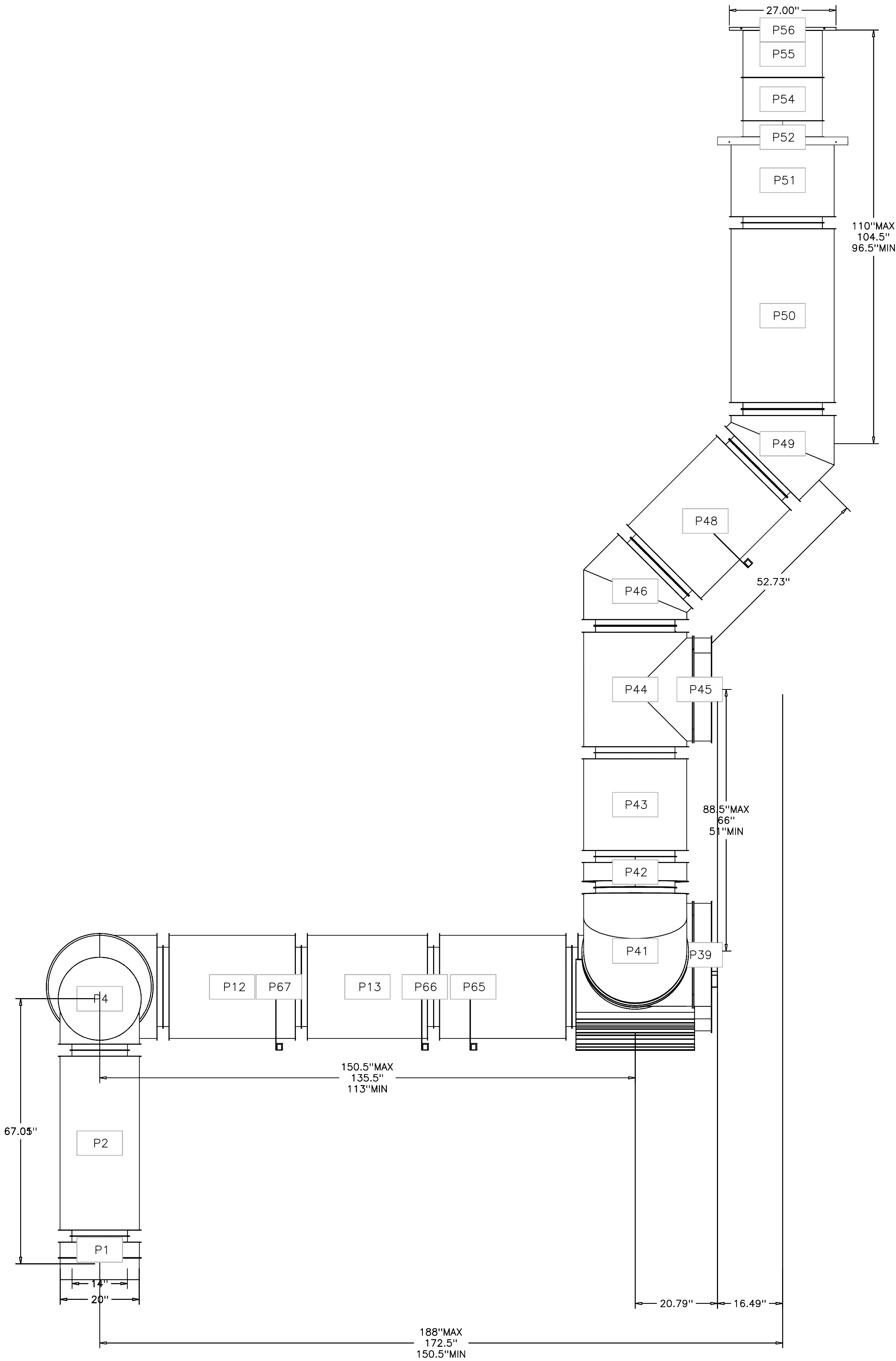
Seattle Mechanical
www.captiveair.com
10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 865 - 2116 EMAIL: reg16@captiveaire.com

International Village – Duct – H 1, 2, 8
PUYALLUP, WA, 98371

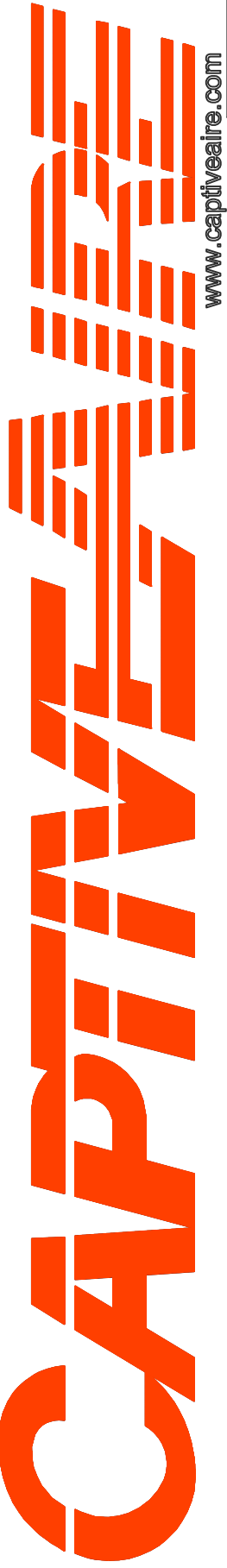
DATE: 2/5/2025
DWG#: 7310306
DRAWN BY:
SCALE: NOT TO SCALE
MASTER DRAWING

SHEET NO.
4

DUCTWORK #1 SIDE VIEW
H-01



REVISIONS	
DESCRIPTION	DATE:
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PUYALLUP, WA, 98371

DATE: 2/5/2025

DWG: 7310306

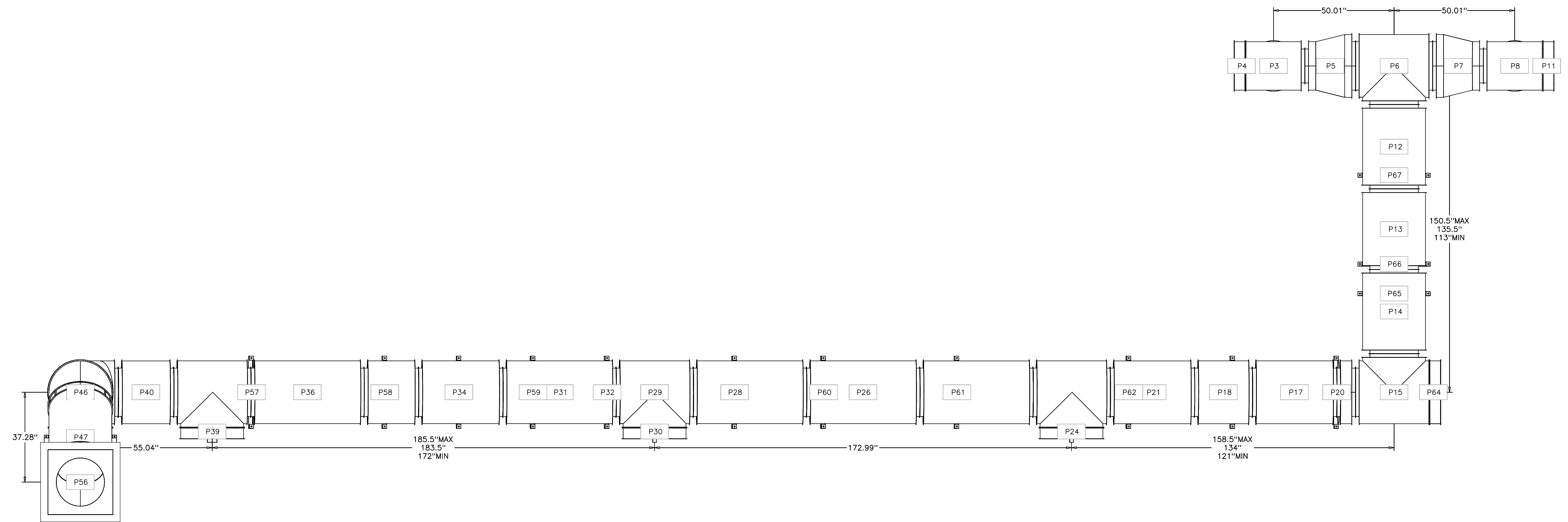
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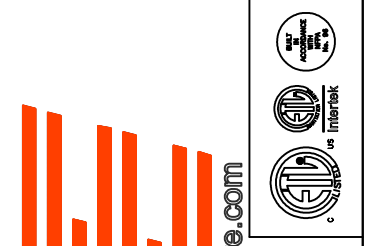
MASTER DRAWING

SHEET NO.
5

DUCTWORK #1 TOP VIEW
H-01



REVISIONS	
DESCRIPTION	DATE:



ACTIVE
Seattle Mechanical
10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 895-2116 EMAIL: reg116@capitalestate.com
WWW.CA

International Village – Duct – H 1, 2, 8
PUYALLUP, WA, 98371

DATE: 2/5/2025

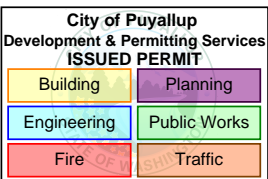
DWG.#:
7310306

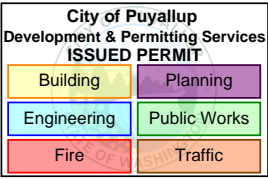
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MASTER DRAWING

SHEET NO.





REVISIONS	
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International Village – Duct – H 1, 2, 8
PUYALLUP, WA, 98371

DATE: 2/5/2025

DWG. NO:
7310306

DRAWN BY:

SCALE:
NOT TO SCALE

MASTER DRAWING

SHEET NO.
7

DUCTWORK #2 PARTS – JOB#7310306 DOUBLE WALL H-02

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
Hood Riser	DW20DWRISEY-3Z-S	1864				-0.831	9.60	0.00	1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
Hood Riser	DW20DWRISEY-3Z-S	1864				-0.831	9.60	0.00	1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1417DWLT-3Z-S	1864				-0.008	27.43	1743.66	1	DOUBLE WALL DUCT – 14" INNER DUCT, 17" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P2	DW1447DWAJD-3Z-S	1864				-0.011	109.38	1743.66	1	DOUBLE WALL ADJUSTABLE DUCT – 14" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P3	DW1435DWLT-3Z-S	1864				-0.016	56.96	1743.66	1	DOUBLE WALL DUCT – 14" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P4 ASSEMBLED W/P5	DW14DWTEASY-3Z-S	1864		1		-0.087	48.60	1743.66	1	DOUBLE WALL DUCT – 14" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P5 ASSEMBLED W/P4 O=S	DW14DWACCDORCOV-3Z-S						21.24		1	DOUBLE WALL DUCT – 14" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P6	DW1420DWRNDAPEC3ASY21-3Z-S	1864				-0.105	52.03	1743.66	1	DOUBLE WALL DUCT ECCENTRIC – 14" X 20" RND2RND ADAPTER – 21" TALL – 3 LAYERS ZERO CLEARANCE – 20" X 26" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
P7	DW20DWTEASY-3Z-S	3728		1		-0.3855	78.37	1708.79	1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P8	DW1420DWRNDAPEC3ASY21-3Z-S	1864				-0.105	52.03	1743.66	1	DOUBLE WALL DUCT ECCENTRIC – 14" X 20" RND2RND ADAPTER – 21" TALL – 3 LAYERS ZERO CLEARANCE – 20" X 26" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
P9 ASSEMBLED W/P13	DW14DWTEASY-3Z-S	1864		1		-0.087	48.60	1743.66	1	DOUBLE WALL DUCT – 14" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P10	DW1435DWLT-3Z-S	1864				-0.016	56.96	1743.66	1	DOUBLE WALL DUCT – 14" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P11	DW1447DWAJD-3Z-S	1864				-0.011	109.38	1743.66	1	DOUBLE WALL ADJUSTABLE DUCT – 14" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P12	DW1417DWLT-3Z-S	1864				-0.008	27.43	1743.66	1	DOUBLE WALL DUCT – 14" INNER DUCT, 17" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P13 ASSEMBLED W/P9 O=S	DW14DWACCDORCOV-3Z-S						21.24		1	DOUBLE WALL DUCT – 14" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P14	DW2001DWOFFSETASY-3Z-S	3728				-0.002	14.98	1708.79	1	DOUBLE WALL DUCT – 20" INNER DUCT RISER & 1 DEGREE OFFSET – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P15	DW2007DWLT-3Z-S	3728				-0.002	16.76	1708.79	1	DOUBLE WALL DUCT – 20" INNER DUCT, 7" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL. STANDARD PART.
P16	DW2045DWASY-3Z-S	3728				-0.2183	37.66	1708.79	1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P17	DW2029DWLT-3Z-S	3728				-0.007	66.97	1708.79	1	DOUBLE WALL DUCT – 20" INNER DUCT, 29" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P18	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P19 ASSEMBLED W/P25	DW20DWTEASY-3Z-S	3728		1		-0.007	78.37	1708.79	1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P20	DW2027DWAJD-3Z-S	3728				-0.005	81.21	1708.79	1	DOUBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 24.5" / ADJUSTMENT = 13.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P21	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P22	DW2045DWASY-3Z-S	3728				-0.0432	37.66	1708.79	1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P23	DW2047DWLT-3Z-S	3728				-0.011	103.73	1708.79	1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
SYSTEM AT P23						-1.739	0.00			
P24	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P25 ASSEMBLED W/P19 O=T	DW20DWACCDORCOV-3Z-S						32.56		1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P26	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P27 ASSEMBLED W/P28	DW20DWTEASY-3Z-S			1			78.37		1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P28 ASSEMBLED W/P27 O=T	DW20DWACCDORCOV-3Z-S						32.56		1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P29	DW2047DWLT-3Z-S						103.73		1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P30	DW2047DWAJD-3Z-S						144.57		1	DOUBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P31	DW2035DWLT-3Z-S						77.15		1	DOUBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P32	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P33 ASSEMBLED W/P34,P52	DW20DWTEASY-3Z-S			1			78.37		1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P34 ASSEMBLED W/P33	TEE-CORE SENSOR KIT-360DW			1			5.45		1	DUCT MODULE – FIRESTAT SENSOR KIT – PARTS REQUIRED TO INSTALL 360° F FIRESTAT INTO DOUBLE WALL EXHAUST DUCTWORK WITH 2 OR 3 INCHES OF INSULATION.
P35	DW2047DWLT-3Z-S						103.73		1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P36	DW2090DWASY-3Z-S						66.28		1	DOUBLE WALL DUCT – 20" INNER 90 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P37	DW2001DWOFFSETASY-3Z-S						14.98		1	DOUBLE WALL DUCT – 20" INNER DUCT RISER & 1 DEGREE OFFSET – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P38	DW2017DWLT-3Z-S						36.70		1	DOUBLE WALL DUCT – 20" INNER DUCT, 17" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P39 ASSEMBLED W/P40	DW20DWTEASY-3Z-S			1			78.37		1	DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P40 ASSEMBLED W/P39 O=T	DW20DWACCDORCOV-3Z-S						32.56		1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P41	DW2047DWAJD-3Z-S						144.57		1	DOUBLE WALL ADJUSTABLE DUCT – 20" INNER DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMENT = 30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P42	DW2045DWASY-3Z-S						37.66		1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P43	DW2045DWASY-3Z-S						37.66		1	DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P44	DW2047DWLT-3Z-S						103.73		1	DOUBLE WALL DUCT – 20" INNER DUCT, 47" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

DUCTWORK #2 PARTS – JOB#7310306 DOUBLE WALL H-02

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P45 ASSEMBLED W/P46	DW202150DWLTTP-3Z-S						47.80		1	DOUBLE WALL DUCT – 20" INNER DUCT, 21.5" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.
P46 ASSEMBLED W/P45 O=B,P47	DW3120TPDB						21.88		1	DUCT TO CURB TRANSITION DOWN TURN, 31-1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED. NON-STANDARD PART. NOT FOR USE WITH EXHAUST FANS.
P47 ASSEMBLED W/P46	DW20RISER						3.21		1	SINGLE WALL DUCT RISER FOR WELDED HOODS, 20" DIA DUCT. STAINLESS STEEL.
P48 ASSEMBLED W/P50	DW2017LT						11.54		1	SINGLE WALL DUCT 20" DIAMETER, 17" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P49 ASSEMBLED W/P49 O=B	DW2024AJDKIT						20.76		1	SINGLE WALL DUCT ADJUSTABLE, 20" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 20" ADJUSTABLE COLLAR – STAINLESS STEEL.
P50	DW2620TPDBEX						9.00		1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED. USED ON NCA18FA / NCA18HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN.
P51	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P52 ASSEMBLED W/P33 O=T	DW20DWACCDORCOV-3Z-S						32.56		1	DOUBLE WALL DUCT – 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P53	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P54	DW2630SADKIT						10.46		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
RC1	DW20DWRISEY-3Z-S						9.60		1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
RC2	DW20DWRISEY-3Z-S						9.60		1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS						0.80		13	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW14DWCLASY-3Z-S						6.54		4	DUCT – 14" DUCT – 20" DOUBLE "V" CLAMP – 3Z INSULATION & SINGLE "V" CLAMP INCLUDED – ZERO CLEARANCE.
	DW20CLASY						1.41		2	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 20" DUCT, ASSEMBLY.
	DW20DWCLASY-3Z-S						8.50		20	DUCT – 20" DUCT – 26" DOUBLE "V" CLAMP – 3Z INSULATION & SINGLE "V" CLAMP INCLUDED – ZERO CLEARANCE.
TOTAL WEIGHT							2834.20			

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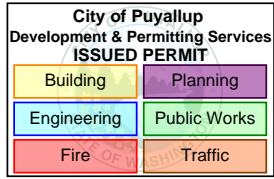
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8



DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

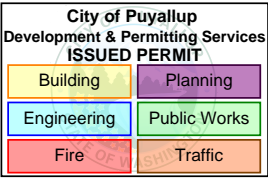
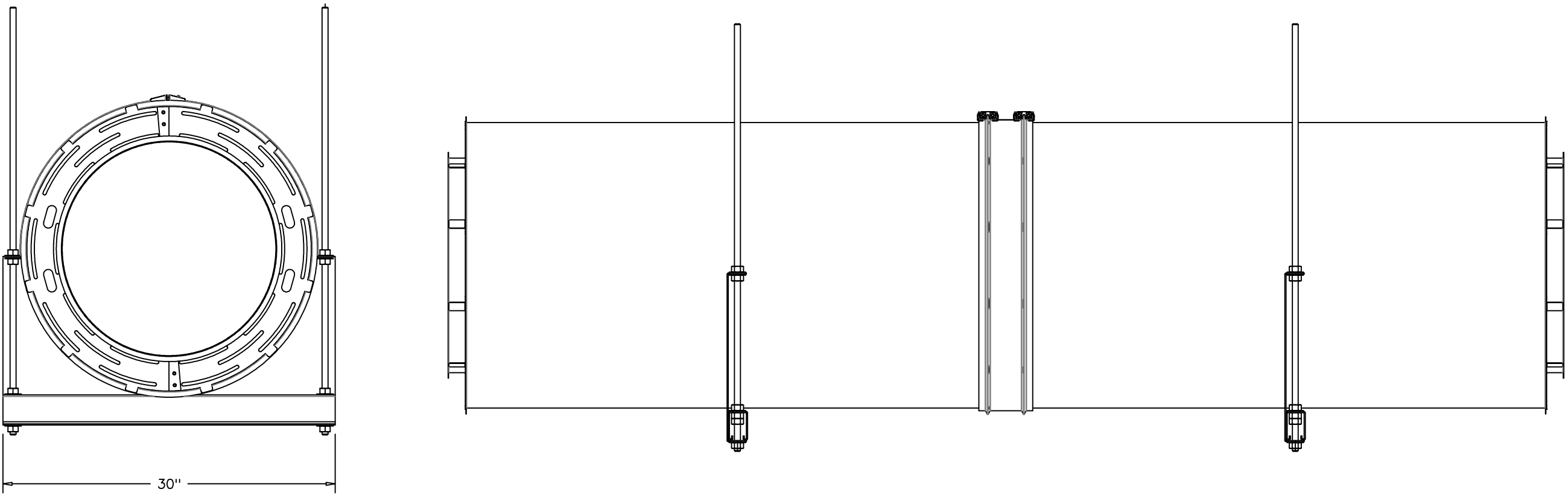
HORIZONTAL	
DUCT DIAMETER	SUPPORT SPACING (FT)
5"	7'
6"	7'
7"	7'
8"	7'
10"	7'
12"	7'
14"	7'
16"	7'
18"	5'
20"	5'
22"	5'
24"	5'
26"	5'
28"	5'
30"	5'
32"	5'
34"	5'
36"	5'

VERTICAL			
TYPE	WALL SUPPORT (FT)	CURB SUPPORT (FT)	FLOOR SUPPORT (FT)
2R & 2R HT (5"-16")	20'	24'	24'
2R (18")	18'	24'	24'
3R & 3Z (5"-24")	10'	24'	24'
3Z (26" -36")	10'	20'	20'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

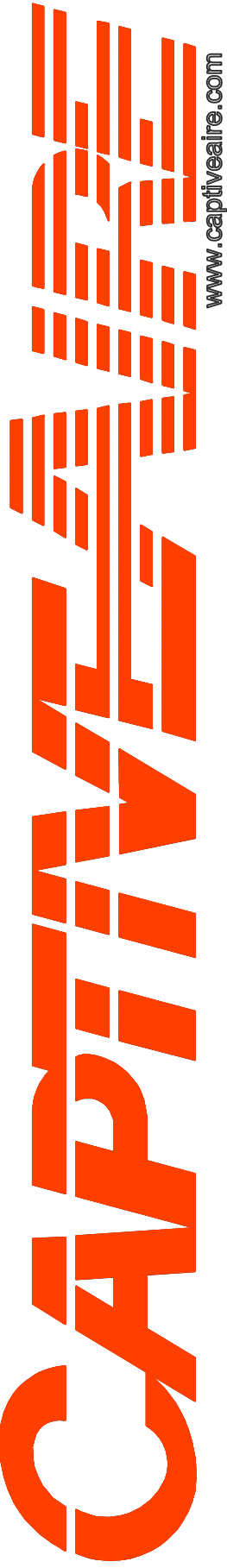
SUPPORT SYSTEM DETAILS #2

DW2630SADKIT – HORIZONTAL SUPPORTS



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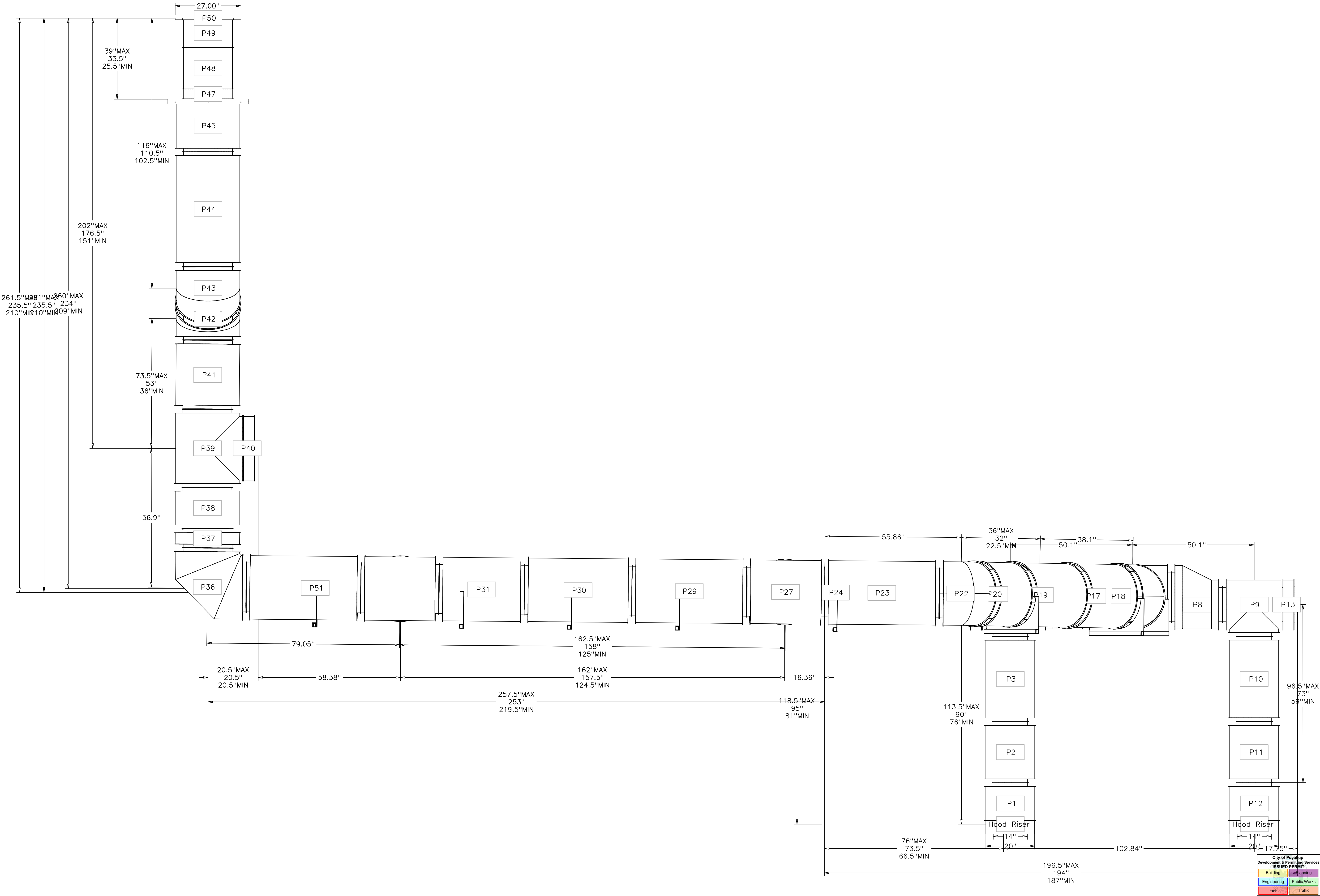
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DUCTWORK #2 FRONT VIEW
H-02



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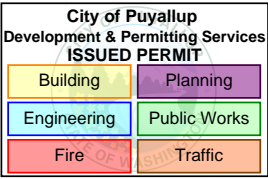
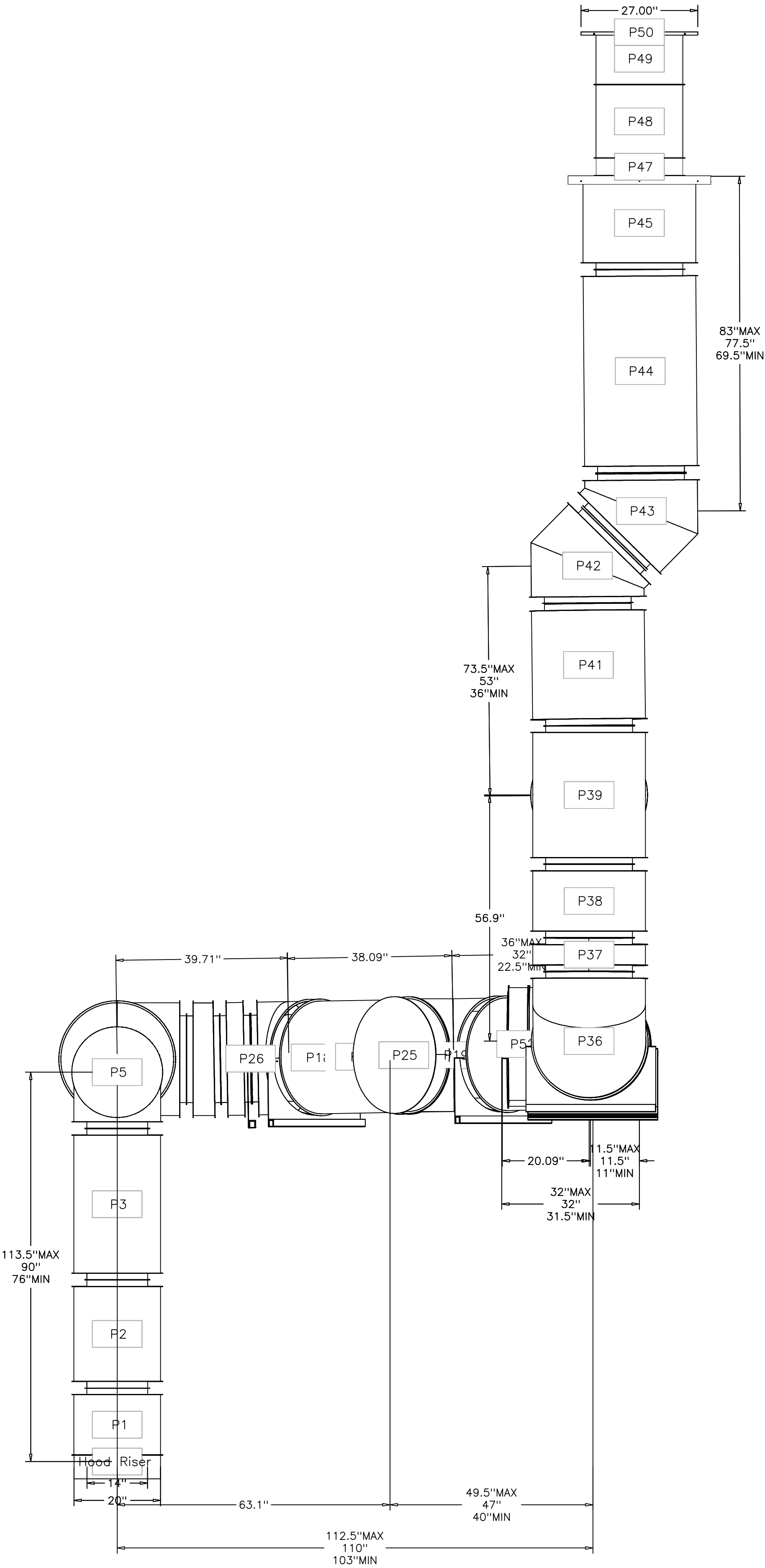
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10

DUCTWORK #2 SIDE VIEW
H-02



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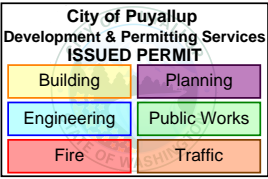
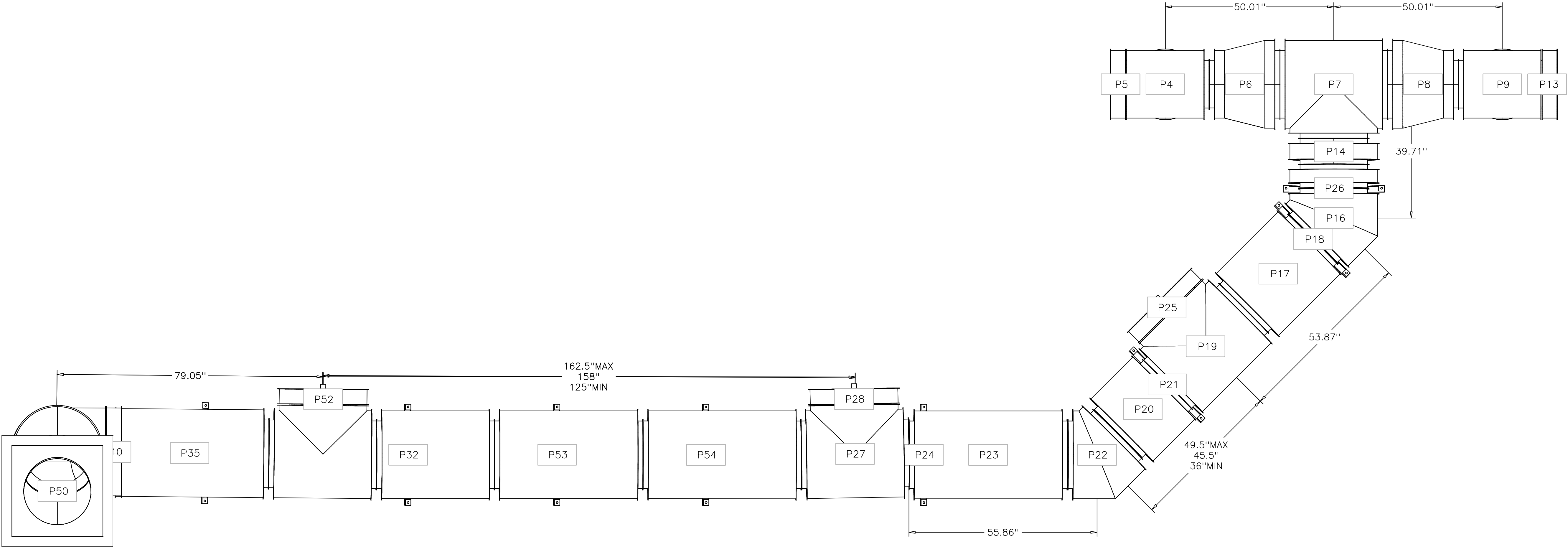
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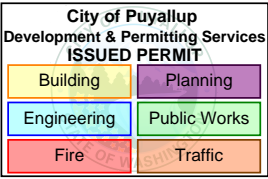
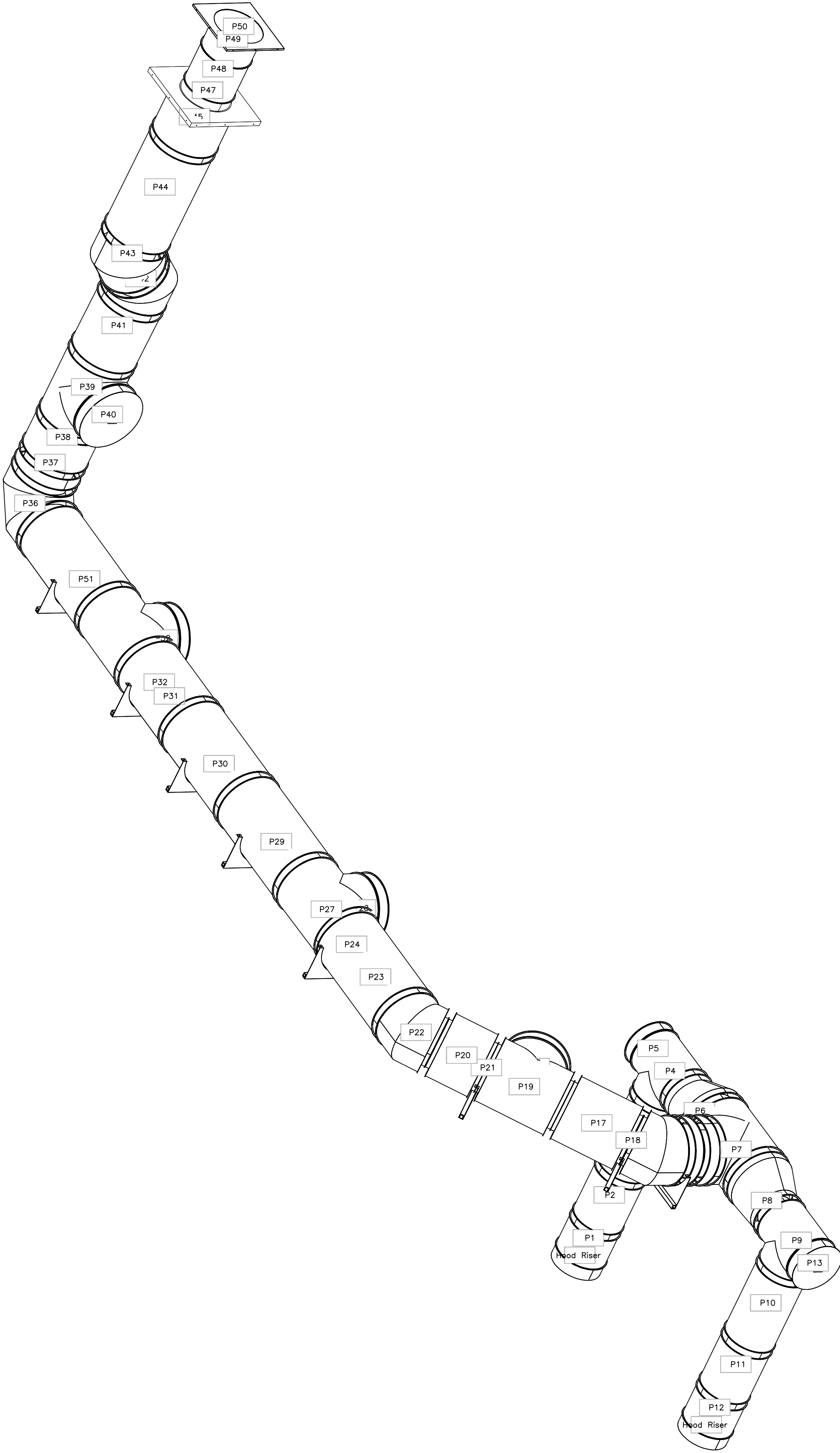
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SHEET NO.
13

DUCTWORK #3 PARTS – JOB#7310306 H–08										
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1247LT	1025				–0.014	18.70	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 47" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P2	DW1211LT	1025				–0.003	4.62	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 11" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P3	DW1290ASY	1025				–0.047	8.44	1305.07	1	SINGLE WALL DUCT 90 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P4	DW1223LT	1025				–0.007	9.41	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P5	DW1248AJDKIT	1025				–0.009	22.74	1305.07	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 47.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR – STAINLESS STEEL.
P6	DW1223LT	1025				–0.007	9.41	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P7	DW1290ASY	1025				–0.0564	8.44	1305.07	1	SINGLE WALL DUCT 90 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P8	DW1247LT	1025				–0.014	18.70	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 47" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P9	DW1235LT	1025				–0.01	14.03	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 35" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P10	DW1248AJDKIT	1025				–0.009	22.74	1305.07	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 47.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR – STAINLESS STEEL.
P11	DW1247LT	1025				–0.014	18.70	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 47" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P12	DW1290ASY	1025				–0.047	8.44	1305.07	1	SINGLE WALL DUCT 90 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P13	DW1211LT	1025				–0.0035	4.62	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 11" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P14	DW1218AJDKIT	1025				–0.0025	9.90	1305.07	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 17.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR – STAINLESS STEEL.
P15	DW1235LT	1025				–0.01	14.03	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 35" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P16	DW1245ASY	1025				–0.0286	5.86	1305.07	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P17	DW1235LT	1025				–0.01	14.03	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 35" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P18	DW12SUBBRASY						2.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. – 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P19	DW1218AJDKIT	1025				–0.002	9.90	1305.07	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 17.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR – STAINLESS STEEL.
P20	DW1245ASY	1025				–0.0256	5.86	1305.07	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P21	DW1217LT	1025				–0.005	7.05	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 17" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P22	DW1245ASY	1025				–0.04	5.86	1305.07	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P23	DW1211LT	1025				–0.003	4.62	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 11" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P24	DW12SUBBRASY						2.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. – 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P25	DW1245ASY	1025				–0.04	5.86	1305.07	1	SINGLE WALL DUCT 45 DEGREE ELBOW, 12" DUCT, ASSEMBLY.
P26	DW1223LT	1025				–0.007	9.41	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P27	DW1230AJDKIT	1025				–0.006	15.04	1305.07	1	SINGLE WALL DUCT ADJUSTABLE, 12" DIAMETER, 29.5" LONG, FLANGE AT ONE END WITH A 12" ADJUSTABLE COLLAR – STAINLESS STEEL.
P28 ASSEMBLED W/P29	DW1223LT	1025				–0.007	9.41	1305.07	1	SINGLE WALL DUCT 12" DIAMETER, 23" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P29 ASSEMBLED W/P28 O=B,P30	DW1912TPDB	1025					11.56	1305.07	1	DUCT TO CURB TRANSITION DOWN TURN, 19–1/2" CURB TO 12" DUCT, 16 GA ALUMINIZED STEEL. NOT FOR USE WITH EXHAUST FANS.
P30 ASSEMBLED W/P29	DW12RISER	1025				–0.001	1.93	1305.07	1	SINGLE WALL DUCT RISER FOR WELDED HOODS, 12" DIA DUCT. STAINLESS STEEL.
SYSTEM AT P30						–0.5646	0.00			
P31	DW12SUBBRASY						2.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. – 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P32	DW12SUBBRASY						2.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. – 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
P33	DW12SUBBRASY						2.76		1	DUCT SUPPORT BRACKET KIT, 12" DUCT, USED FOR HANGING DUCT. 12 GA STEEL, CLEAR ZINC COATING. – 2 RINGS, 4 BRACKETS, & HARDWARE BAG 2.
	3M–2000PLUS						0.80		6	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW12CLASY						0.94		27	DUCT "V" CLAMP WITH NEW DESIGN 14 GA BRACKETS, 12" DUCT, ASSEMBLY.
TOTAL WEIGHT							343.29			

SINGLE WALL FACTORY BUILT DUCTWORK

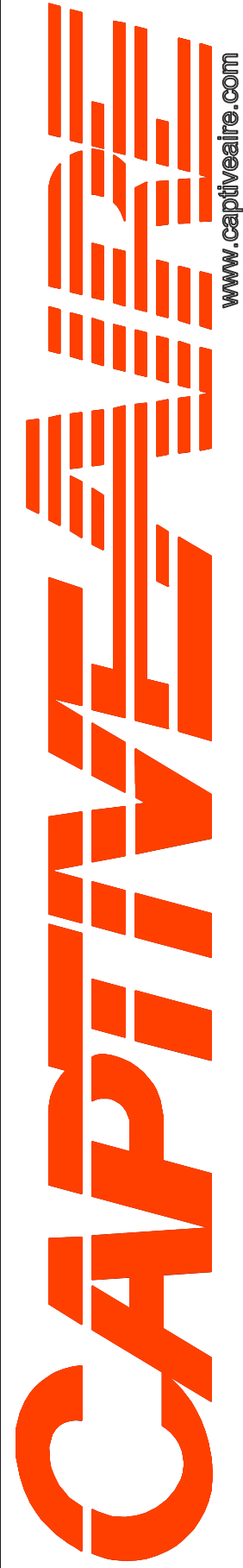
- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL WALL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

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City of Puyallup
Development & Permitting Services
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Building

Planning

Engineering

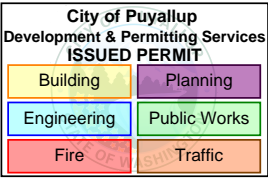
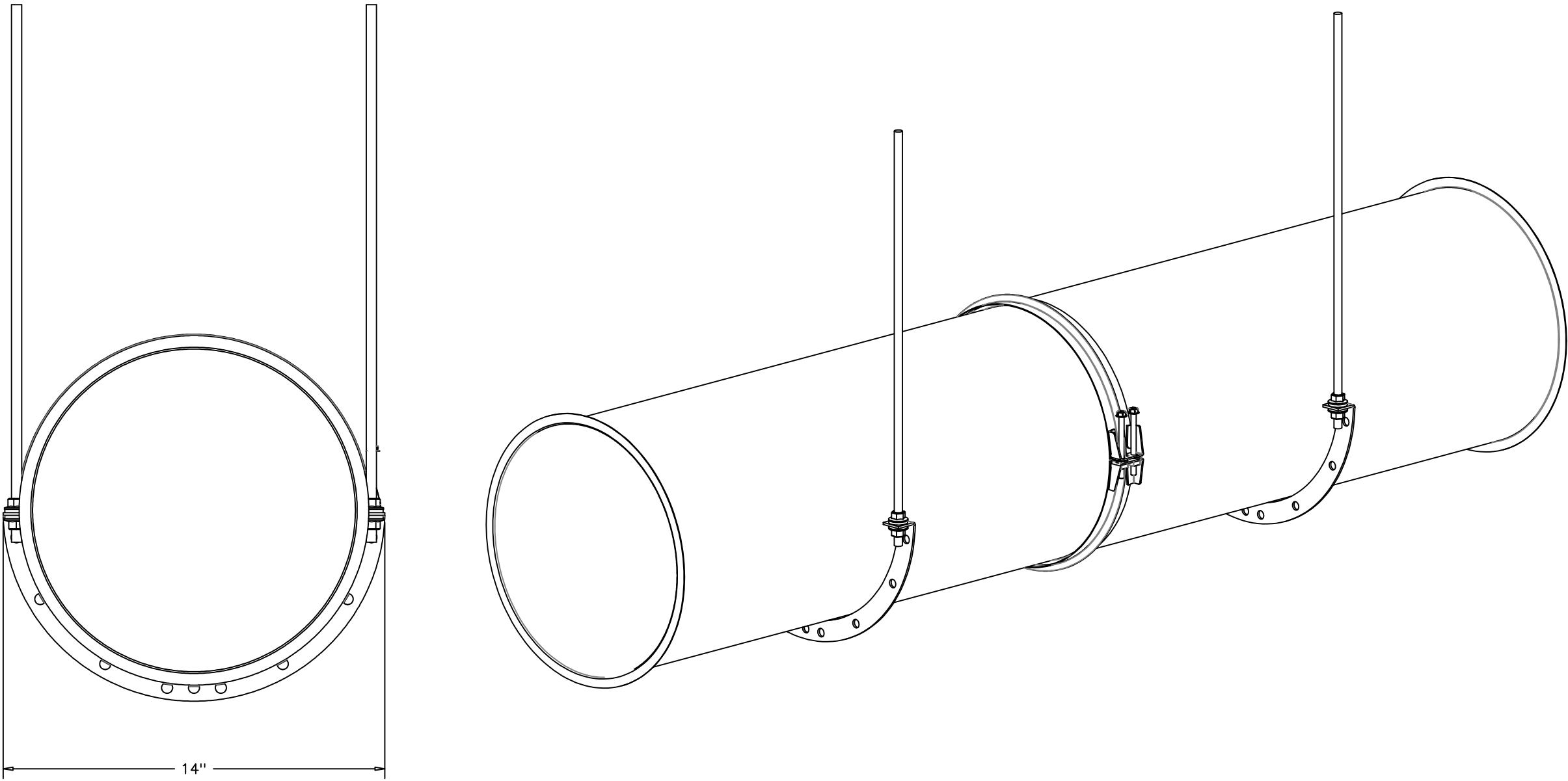
Public Works

Fire

Traffic

SUPPORT SYSTEM DETAILS #3

DW12SUBRASY – HORIZONTAL SUPPORT



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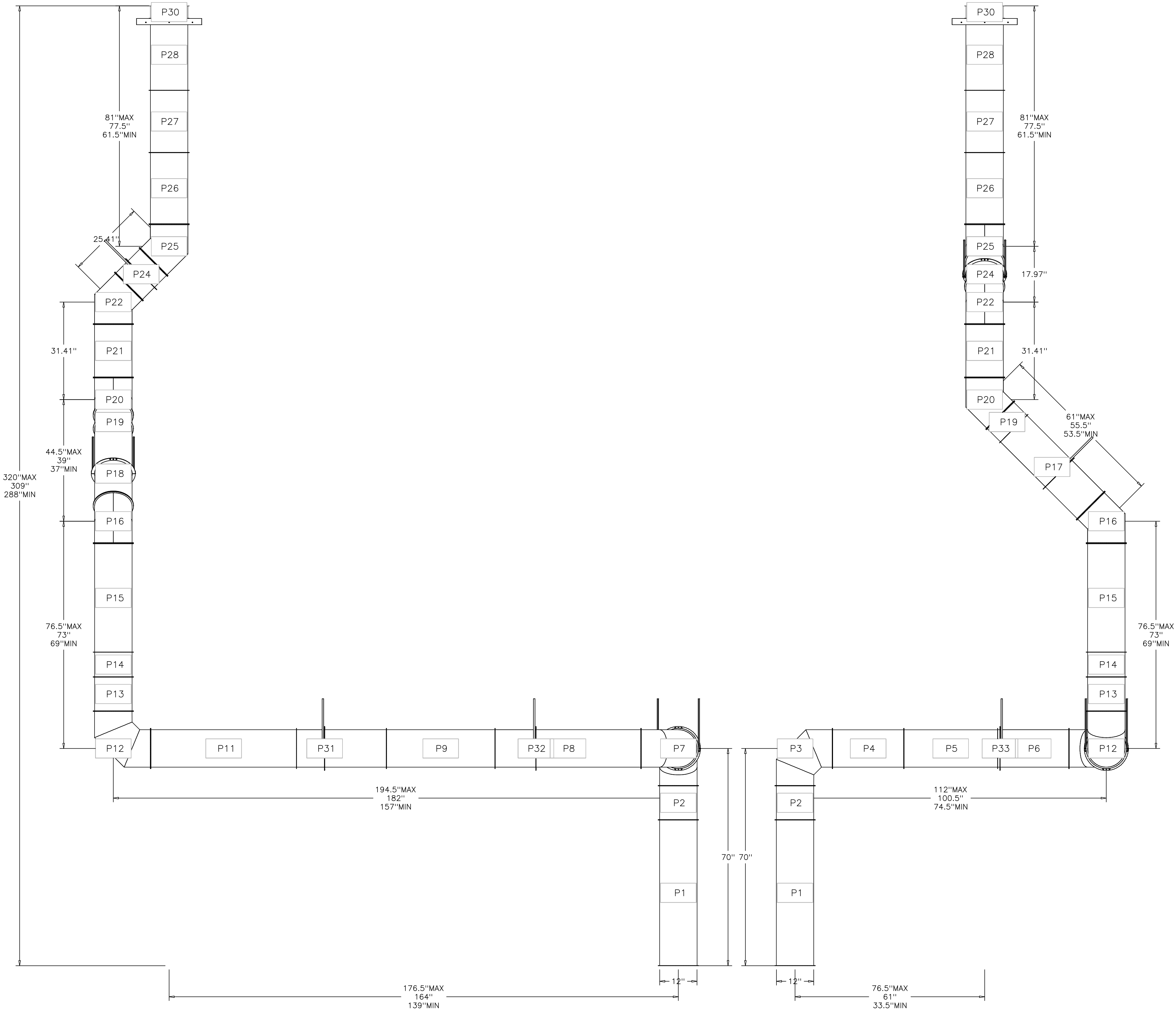
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DUCTWORK #3 FRONT VIEW
H-08



DUCTWORK #3 SIDE VIEW
H-08

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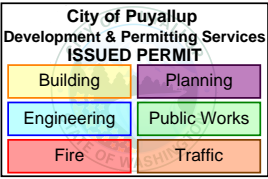
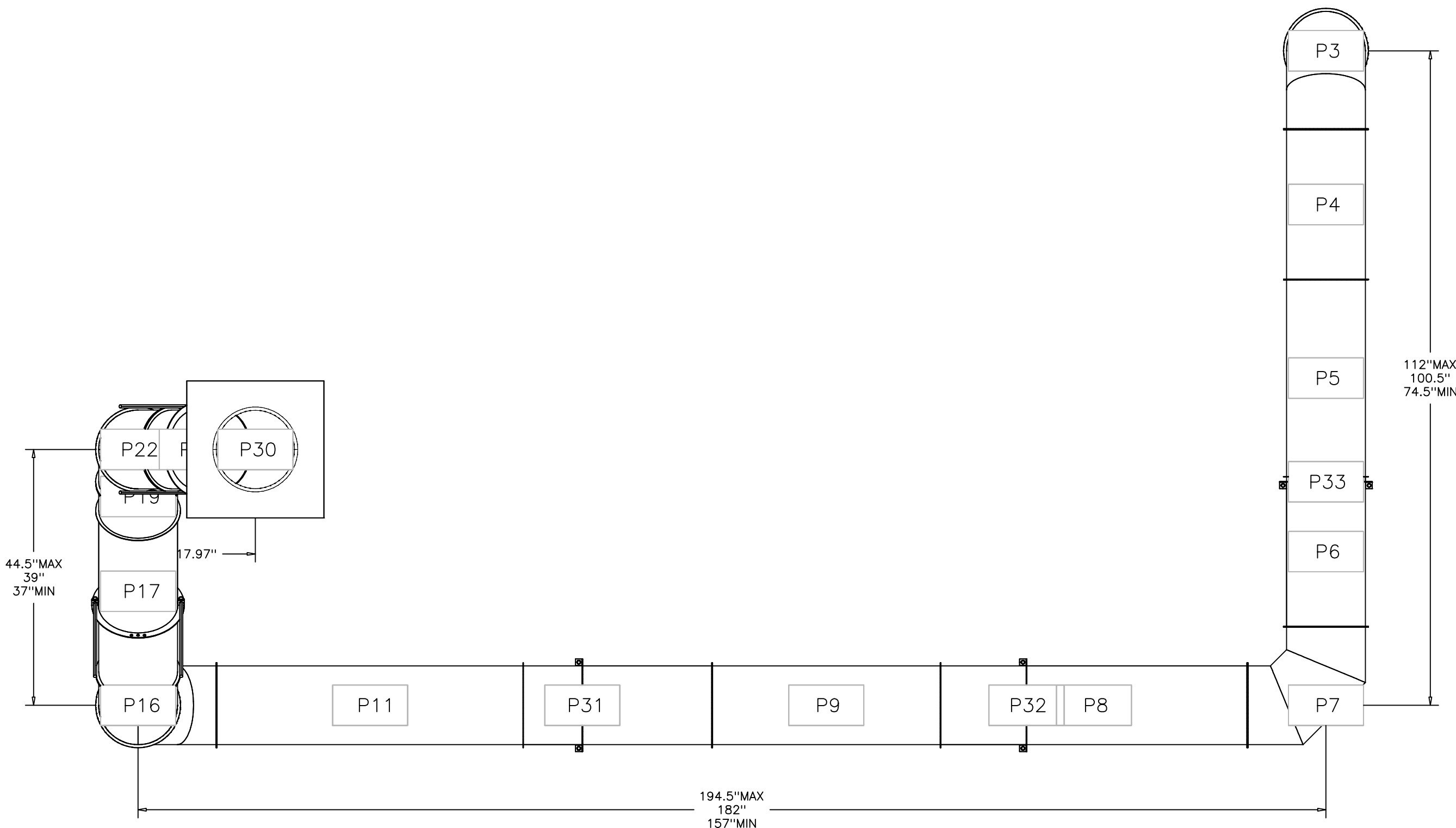
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City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

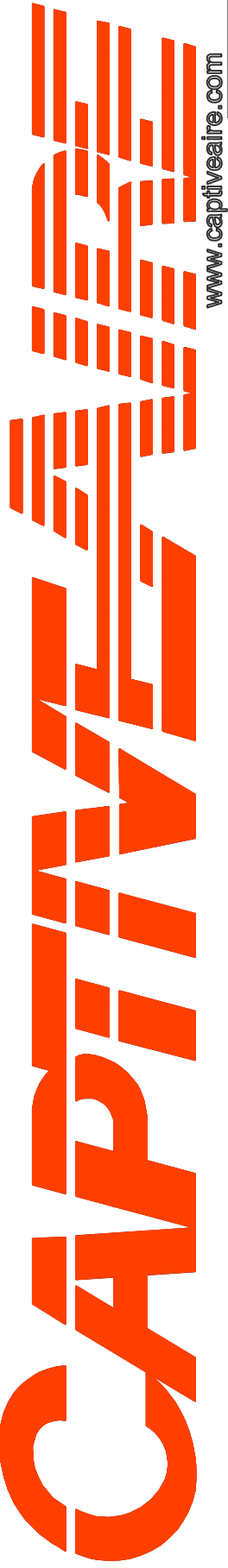
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DUCTWORK #3 TOP VIEW
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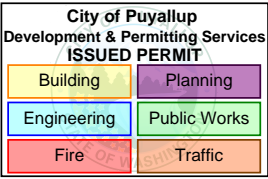
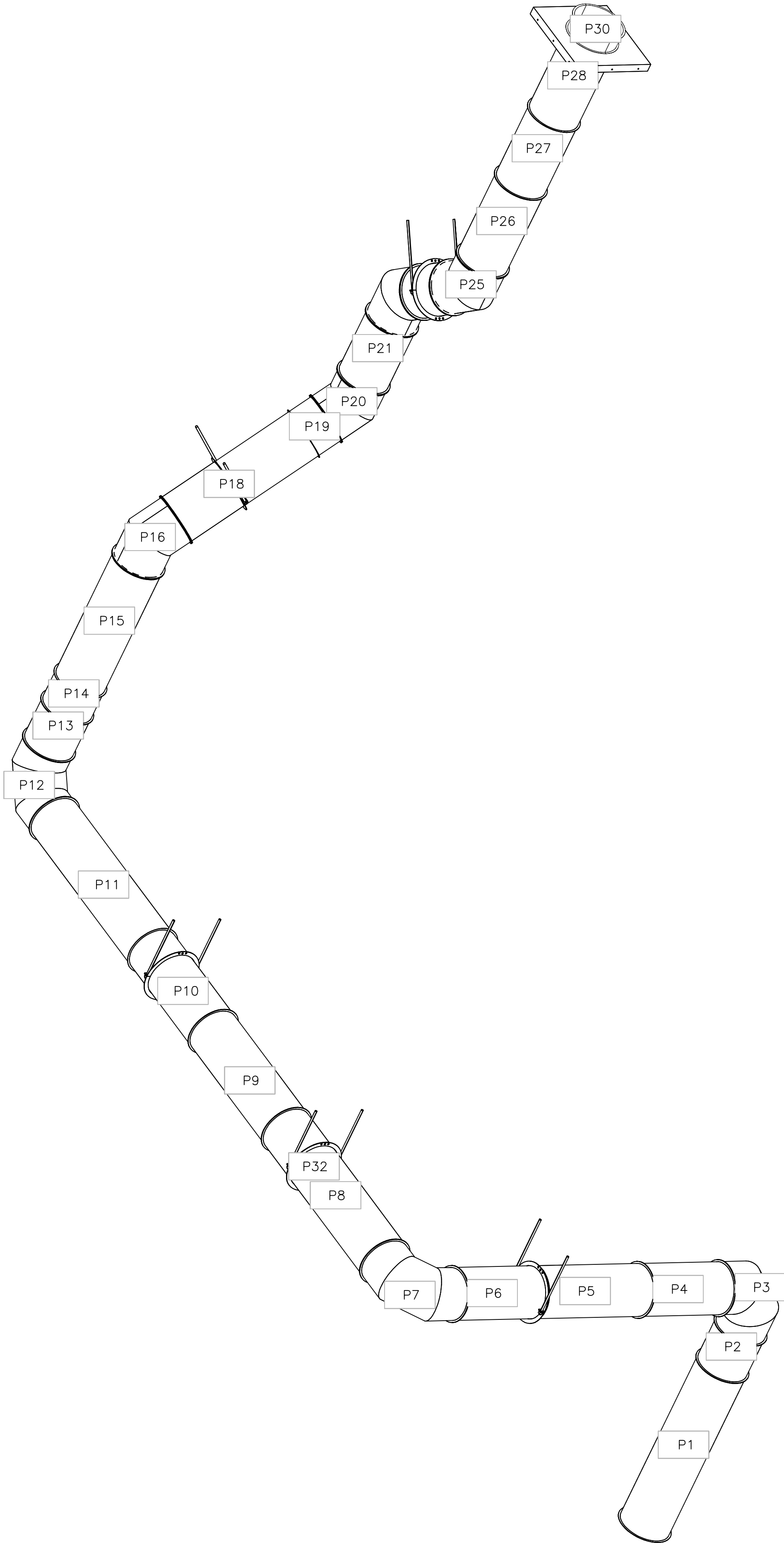
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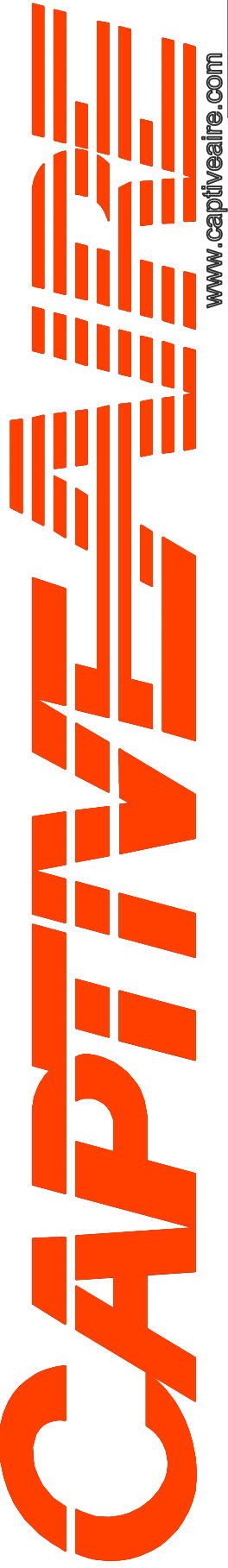
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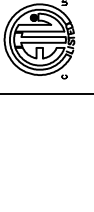

SHEET NO.
17

DUCTWORK #3 SE VIEW
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