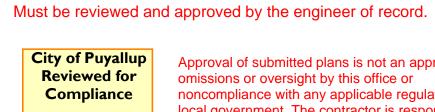
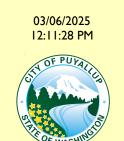
### FOR QUESTIONS, CALL THE Seattle Mechanical REGION 116 PHONE: (206) 895 – 2116 EMAIL: reg116@captiveaire.com

<b></b>	1		CTWORK #1 PAR		JOB#731	0318 DO	UBLE WALL H-03
TAG	PART #	CFM GPM	ZONE COVEREDBY	SP	WEIGHT	VELOCITY	QTY DESCRIPTION
Hood Riser	DW20DWRISER-3Z-S	1989		-0.945	9.60	0.00	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANC 1 – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
Hood Riser	DW20DWRISER-3Z-S	1989		-0.945	9.60	0.00	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANC 1 – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1407DWLT-3Z-S	1989		-0.004	11.08	1860.59	1 DOUBLE WALL DUCT – 14" INNER DUCT, 7" LONG – 3 LAYERS ZERO CLEARANCE – 20" STAINLES STEEL OUTER SHELL.
P2	DW1420DWRNDADP3ASY21-3Z-S	1989		-0.119	52.03	1860.59	1 DOUBLE WALL DUCT – 14" X 20" RND2RND ADAPTER – 21" TALL – 3 LAYERS ZERO CLEARANCE 20" X 26" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
Р3	DW2090DWASY-3Z-S	1989		-0.0351	66.28	911.69	1 DOUBLE WALL DUCT – 20" INNER 90 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEE OUTER SHELL.
P4	DW20DWTEASY-3Z-S	3978	1	-0.3664	78.37	1823.38	1 DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P5	DW1420DWRNDADPEC3ASY21-3Z-S	1989		-0.119	52.03	1860.59	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.
P6	DW1427DWAJD-3Z-S	1989		-0.007	60.65	1860.59	1       DOUBLE WALL ADJUSTABLE DUCT - 14" INNER DUCT - 3 LAYERS ZERO CLEARANCE - 20"         1       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.
P7 ASSEMBLED W/P10	DW14DWTEASY-3Z-S	1989	1	-0.1287	48.60	1860.59	1 DOUBLE WALL DUCT – 14" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
,	DW1417DWLT-3Z-S	1989		-0.009	27.43	1860.59	1 DOUBLE WALL DUCT - 14" INNER DUCT, 17" LONG - 3 LAYERS ZERO CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
P9	DW1411DWLT-3Z-S	1989		-0.006	17.55	1860.59	1 DOUBLE WALL DUCT - 14" INNER DUCT, 11" LONG - 3 LAYERS ZERO CLEARANCE - 20" STAINLESS STEEL OUTER SHELL.
P10 ASSEMBLED W/P7 O=S	DW14DWACCDOORCOV-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.
 P11	DW2017DWLT-3Z-S	3978		-0.004	36.70	1823.38	1 DOUBLE WALL DUCT – 20" INNER DUCT, 17" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P12	DW2630SADKIT				10.46		1 DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI–STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
 P13	DW2090DWASY-3Z-S	3978		-0.3832	66.28	1823.38	1 DOUBLE WALL DUCT – 20" INNER 90 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEE OUTER SHELL.
P14	DW2047DWAJD-3Z-S	3978		-0.008	144.57	1823.38	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.
P15 ASSEMBLED W/P16	DW20DWTEASY-3Z-S	3978	1	-0.008	78.37	1823.38	1 DOUBLE WALL DUCT – 20" INNER TEE DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P16 ASSEMBLED W/P15 O=T	DW20DWACCDOORCOV-3Z-S				32.56		1       DOUBLE WALL DUCT - 20" INNER ACCESS DOOR & 26" ACCESS DOOR COVER WITH CLAMPS - 3         1       LAYERS ZERO CLEARANCE - 26" STAINLESS STEEL OUTER SHELL.
P17	DW2045DWASY-3Z-S	3978		-0.0727	37.66	1823.38	1 DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEE OUTER SHELL.
P18	DW2023DWLT-3Z-S	3978		-0.006	50.30	1823.38	1 DOUBLE WALL DUCT – 20" INNER DUCT, 23" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P19	DW2630SADKIT				10.46		1 DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 26" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2630SAD, & HARDWARE BAG 4.
P20	DW2045DWASY-3Z-S	3978		-0.0775	37.66	1823.38	1 DOUBLE WALL DUCT – 20" INNER 45 DUCT – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEE OUTER SHELL.
P21	DW2035DWLT-3Z-S	3978		-0.009	77.15	1823.38	1 DOUBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P22	DW2047DWAJD-3Z-S	3978		-0.006	144.57	1823.38	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.
P23	DW2035DWLT-3Z-S	3978		-0.009	77.15	1823.38	1 DOUBLE WALL DUCT – 20" INNER DUCT, 35" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL.
P24 ASSEMBLED W/P25	DW202150DWLTTP-3Z-S	3978		-0.006	47.80	1823.38	1 DOUBLE WALL DUCT – 20" INNER DUCT, 21.5" LONG – 3 LAYERS ZERO CLEARANCE – 26" STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.
P25	DW3120TPDB	3978			21.88	1823.38	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.
P26	DW20RISER	3978		-0.001	.3 21	1823.38	1 SINGLE WALL DUCT RISER FOR WELDED HOODS, 20" DIA DUCT. STAINLESS STEEL.
ASSEMBLED W/P25 P27	DW2011LT	3978		-0.0029		1823.38	1       SINGLE WALL DUCT 20" DIAMETER, 11" LONG, FLANGE AT BOTH ENDS. STAINLESS STEEL.
P28 ASSEMBLED W/P29	DW2024AJDKIT	3978			20.76	1823.38	1       SINGLE WALL DUCT ADJUSTABLE, 20" DIAMETER, 23.5" LONG, FLANGE AT ONE END WITH A 20" ADJUSTABLE COLLAR – STAINLESS STEEL.
P29 ASSEMBLED W/P28 O=B	DW2620TPDBEX	3978			9.00	1823.38	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 20" DUCT, 16 GA ALUMINIZED. USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00" DESIGNED FOR USE WITH EXHAUST FAN.
SYSTEM AT P29				-2.1775	0.00		DOUBLE WALL RISER COVER – USED ON 14'' INNER RISER, 4'' LONG – 3 LAYERS ZERO CLEARANC
RC1	DW20DWRISER-3Z-S				9.60		1 – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
RC2	DW20DWRISER-3Z-S				9.60		DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 3 LAYERS ZERO CLEARANG 1 – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS				0.80		8 DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW14DWCLASY-3Z-S				6.54		3 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		10 DUCT – 20" DUCT – 26" DOUBLE "V" CLAMP – 3Z INSULATION & SINGLE "V" CLAMP INCLUDED ZERO CLEARANCE.
TOTAL WEIGHT					1501.81		





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.

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

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.

## APPROVED BY: Jim Still

Date Approved: 020525

200, Seattle, WA, 98125 PHONE: (200) 895 - 2116 EMAIL: reg116@captiveaire.com	1202 5th Ave NE, Suite 200, Seattle, WA, 96125 FHONE: (206) 855 - 2116 EMAIL: reg16@captivesire.com	Village – Duct – H 3,4,5,6,7 D, WA, 98371 2, WA, 98371 1020 5th Ave NE, Suite 200, Seattle, WA, 96125 FHONE: reg116@captiveatie.com	- Duct - H 3,4,5,6,7 98371 Searktle Mechanical Searktle Mechanical	<u> </u>	REV	718101 10n	18	DATE:
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City of Puyallup

 Building
 Planning

 Engineering
 Public Works

 Fire
 Traffic

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.

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

DOUBLE WALL FACTORY BUILT DUCTWORK

36''

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.

10'

- 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.

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<ul> <li>WHERE HORIZONTAL</li> </ul>	_ DUCTS EXCEED 75 FEE	T IN LENGTH, THE SLOPE	SHALL NOT BE LESS THAN 3/16"	PER LINEAR FOOT.

HORIZ	ONTAL
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'

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

10'

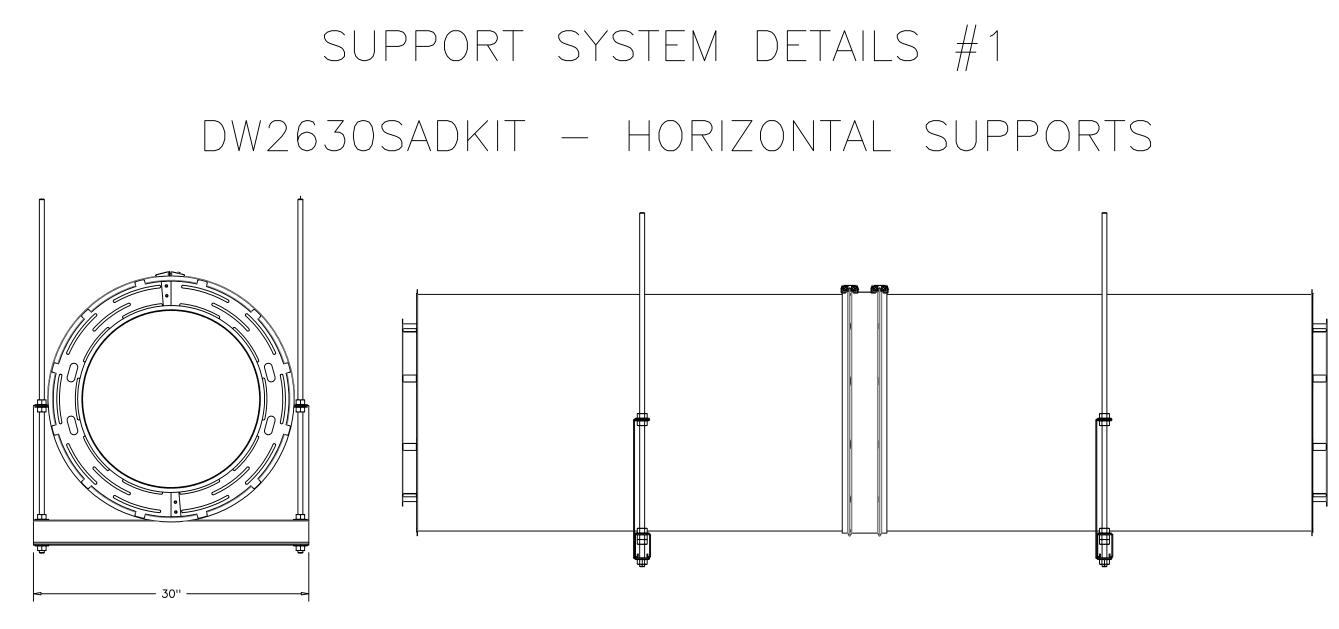
DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.



24'

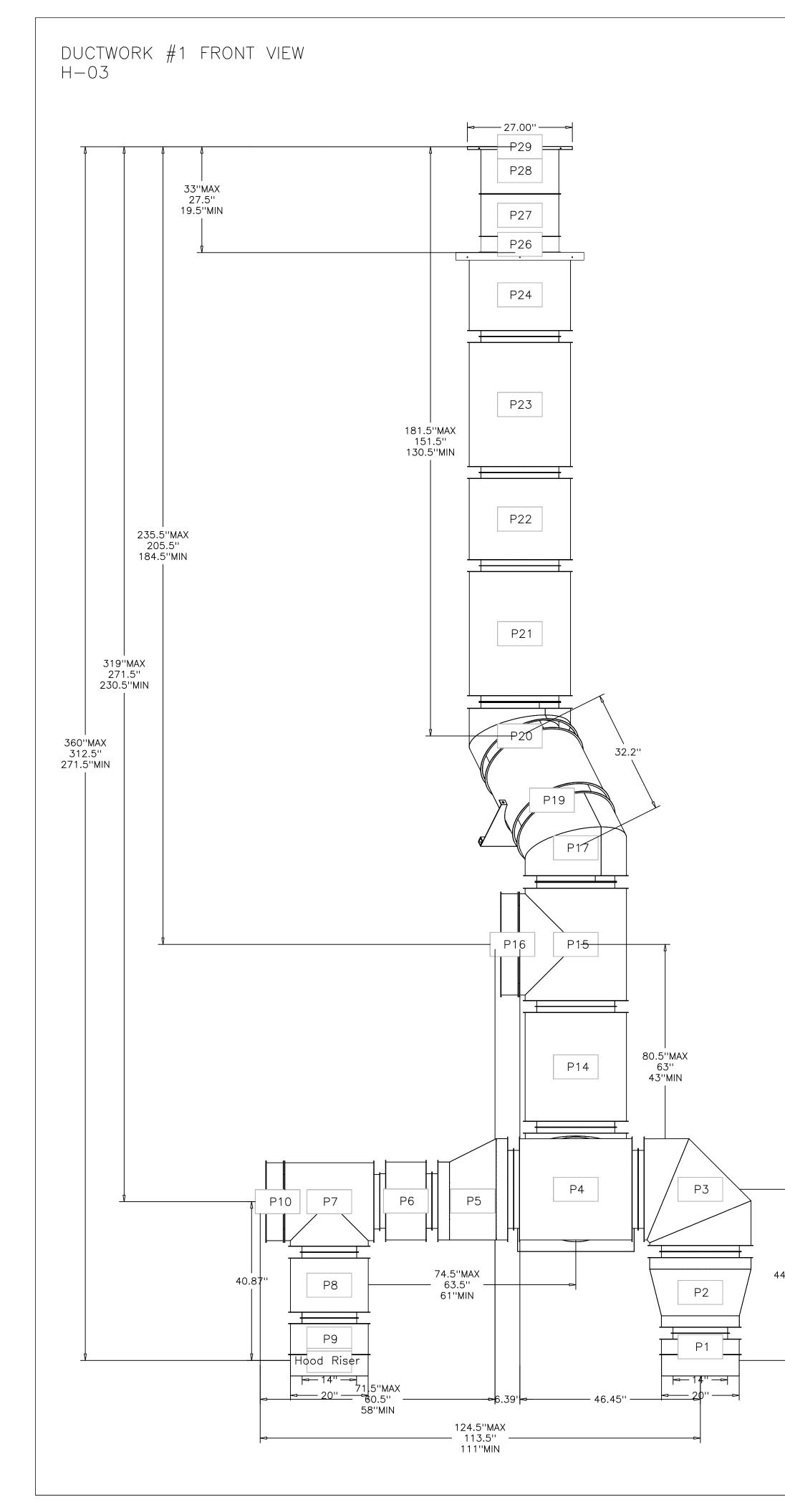
FLOOR SUPPORT (FT)
24'
24'
24'
20'

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	Seattle Machami         10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) (
	International Village - Duct - H 3,4,5,6,7 PUYALLUP, WA, 98371
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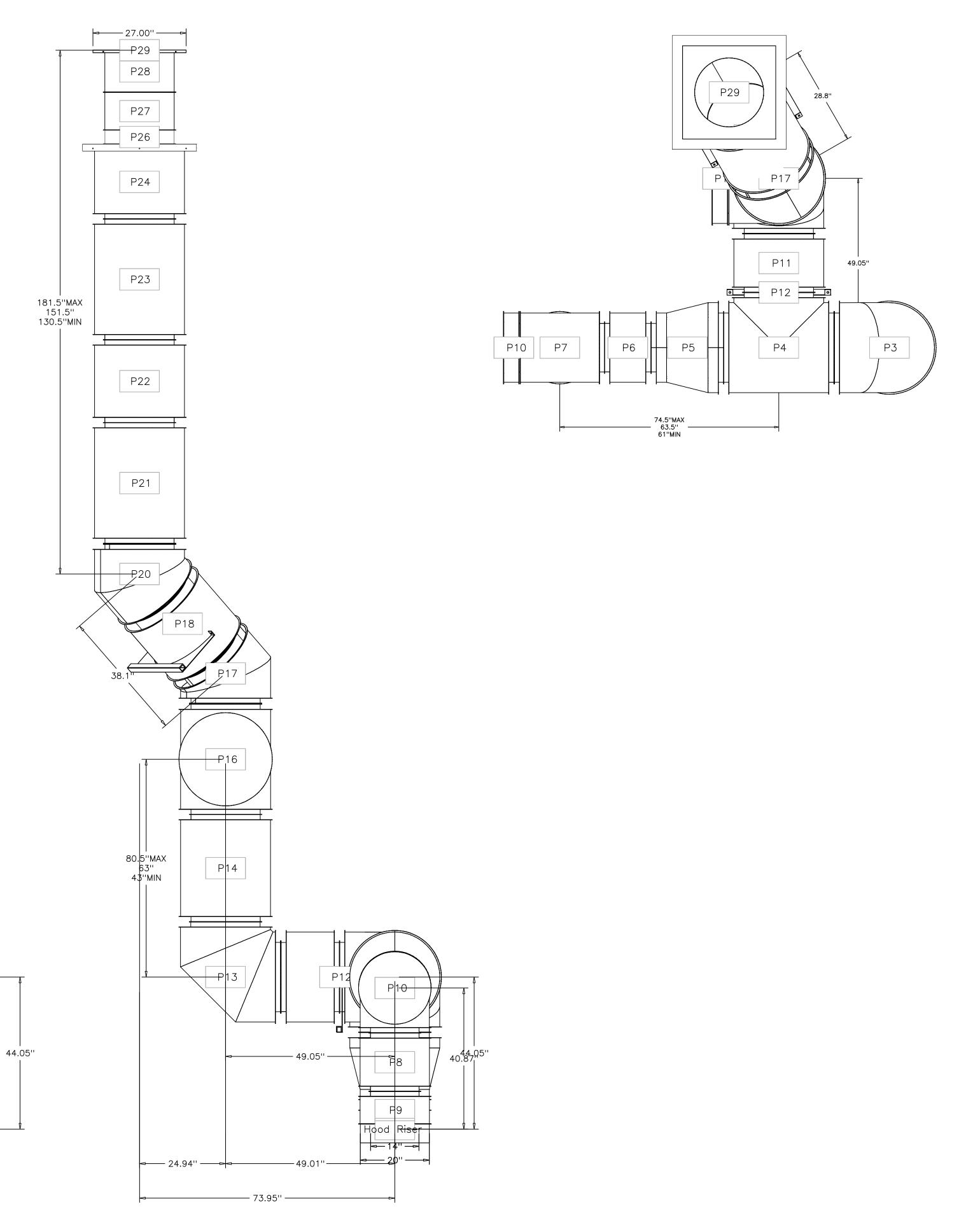
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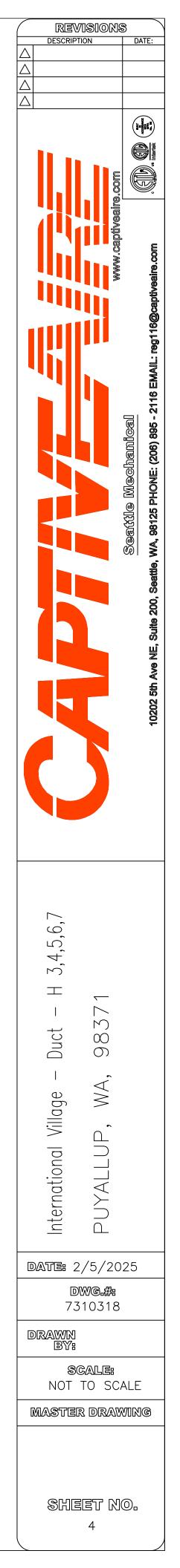




DUCTWORK #1 SIDE VIEW H-03

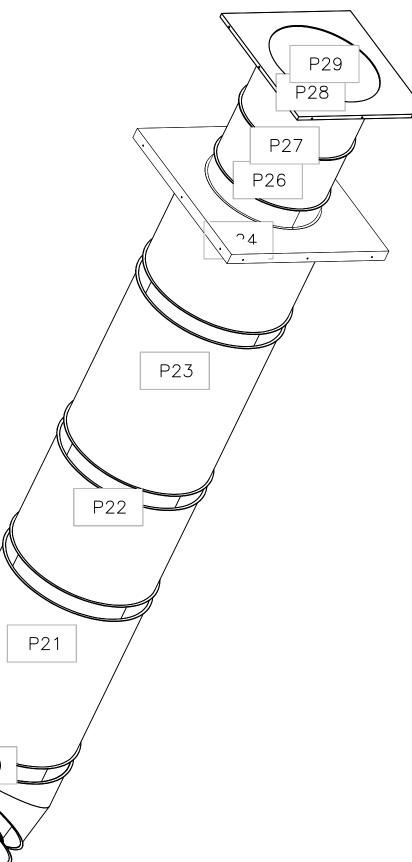
DUCTWORK #1 TOP VIEW H-03



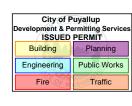


City of Puyallup Development & Permitting Services / ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

DUCTWORK #1 SE VIEW H-03 P20 -P19 P17 P15 Ρ7 P14 Ρ6 Ρ8 Ρ5 Ρ9 P13 P4 Ρ3 Ρ2  $\square$ 



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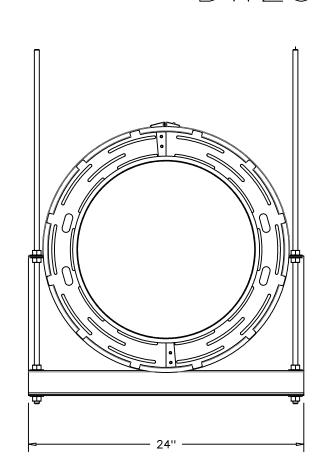


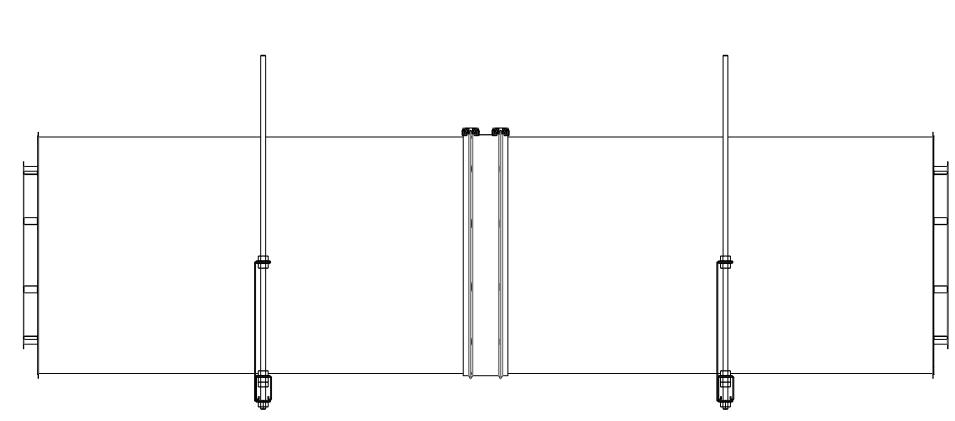
			6-1	DUCTWORK #2		1	1	1	I
TAG	PART #	CFM	GPM	ZONE COVEREDBY	SP	WEIGHT	VELOCITY		
Hood Riser	DW20DWRISER-2R-S	2138			-0.711	8.36	0.00	1	DOUBLE WALL RISER COVER – USED ON 16" INNER RISER, 4" LONG – 2 LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1611DWLT-2R-S	2138			-0.0034		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT, 11" LONG – 2 LAYERS REDUCED CLEARANCE – 20' STAINLESS STEEL OUTER SHELL.
SYSTEM AT P1 P2 ASSEMBLED W/P35	DW16DWTEASY-2R-S	2138		1	-0.7144		1531.23	1	DOUBLE WALL DUCT – 16" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAINI STEEL OUTER SHELL.
SYSTEM AT P2					-0.8197	0.00			
P3 SYSTEM AT P3	DW1601DWOFFSETASY-2R-S	2138			-0.0024		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT RISER & 1 DEGREE OFFSET – 2 LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P4	DW1647DWLT-2R-S	2138			-0.0143		1531.23		DOUBLE WALL DUCT – 16" INNER DUCT, 47" LONG – 2 LAYERS REDUCED CLEARANCE – 20' STAINLESS STEEL OUTER SHELL.
SYSTEM AT P4					-0.8364				DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20" OD – INCLUDES UNI-STRUT CUT
P5	DW2024SADKIT					8.01			LENGTH, DW2024SAD, & HARDWARE BAG 4. DOUBLE WALL ADJUSTABLE DUCT - 16" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 20
P6	DW1647DWAJD-2R-S	2138			-0.0083	103.34	1531.23	'	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 P6		04.70			-0.8447		4574.07		DOUBLE WALL DUCT – 16" INNER DUCT, 35" LONG – 2 LAYERS REDUCED CLEARANCE – 20'
P7 SYSTEM AT P7	DW1635DWLT-2R-S	2138			-0.0107 -0.8554		1531.23		STAINLESS STEEL OUTER SHELL.
P8	DW2024SADKIT					8.01			DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20'' OD – INCLUDES UNI–STRUT CUT LENGTH, DW2024SAD, & HARDWARE BAG 4.
P9	DW1645DWASY-2R-S	2138			-0.0311		1531.23	1	DOUBLE WALL DUCT – 16" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAINL STEEL OUTER SHELL.
SYSTEM AT P9 P10	DW1645DWASY-2R-S	2138			-0.8865		1531.23		DOUBLE WALL DUCT – 16" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAIN
SYSTEM AT P10					-0.9412				STEEL OUTER SHELL.
P11 ASSEMBLED W/P34	DW16DWTEASY-2R-S	2138		1	-0.0085		1531.23		DOUBLE WALL DUCT – 16" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAIL STEEL OUTER SHELL.
SYSTEM AT P11 P12	DW1647DWLT-2R-S	2138			-0.9497 -0.0143		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT, 47" LONG – 2 LAYERS REDUCED CLEARANCE – 20 STAINLESS STEEL OUTER SHELL.
SYSTEM AT P12					-0.964	0.00			
P13	DW2024SADKIT					8.01			DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20" OD – INCLUDES UNI–STRUT CU LENGTH, DW2024SAD, & HARDWARE BAG 4. DOUBLE WALL ADJUSTABLE DUCT – 16" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 2
P14	DW1647DWAJD-2R-S	2138			-0.007	103.34	1531.23	1 '	STAINLESS STEEL OUTER SHELL. MIN LENGTH = $11''$ / MAX LENGTH = $48.5''$ / ADJUSTMEN 30.5'' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL 'ICLAMPS.
SYSTEM AT P14					-0.971	0.00			
P15	DW2024SADKIT					8.01			DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20" OD - INCLUDES UNI-STRUT CU LENGTH, DW2024SAD, & HARDWARE BAG 4.
P16 SYSTEM AT P16	DW1635DWLT-2R-S	2138			-0.0107		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT, 35" LONG – 2 LAYERS REDUCED CLEARANCE – 20 STAINLESS STEEL OUTER SHELL.
P17 ASSEMBLED W/P18	DW16DWTEASY-2R-S	2138		1	-0.0794		1531.23	1	DOUBLE WALL DUCT – 16" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAI STEEL OUTER SHELL.
SYSTEM AT P17 P18	DW16DWACCDOORCOV-2R-S				-1.0611	21.48		1	DOUBLE WALL DUCT - 16" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS
SSEMBLED W/PI/ U=S									LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER SHELL. DOUBLE WALL ADJUSTABLE DUCT – 16" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 2
P19	DW1647DWAJD-2R-S	2138			-0.0098	103.34	1531.23	1 '	STAINLESS STEEL OUTER SHELL. MIN LENGTH = $11''$ / MAX LENGTH = $48.5''$ / ADJUSTMEN 30.5'' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL CLAMPS.
SYSTEM AT P19					-1.0709				DOUBLE WALL DUCT – 16" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAIN
P20	DW1690DWASY-2R-S	2138			-0.1404		1531.23		STEEL OUTER SHELL.
SYSTEM AT P20 P21	DW1647DWLT-2R-S	2138			-1.2113		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT, 47" LONG – 2 LAYERS REDUCED CLEARANCE – 20 STAINLESS STEEL OUTER SHELL.
SYSTEM AT P21 P22					-1.2256	0.00			
ASSEMBLED W/P23 SYSTEM AT P22	DW16DWTEASY-2R-S	2138		1	-0.0085		1531.23		DOUBLE WALL DUCT – 16" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAI STEEL OUTER SHELL.
P23 SSEMBLED W/P22 O=T	DW16DWACCDOORCOV-2R-S				-1.2341	21.48		1	DOUBLE WALL DUCT - 16" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS
· ·									LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER SHELL. DOUBLE WALL ADJUSTABLE DUCT – 16" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 3 STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11" / MAX LENGTH = 48.5" / ADJUSTMEI
P24	DW1647DWAJD-2R-S	2138			-0.0096		1531.23	'	30.5" / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL CLAMPS.
SYSTEM AT P24					-1.2437				DOUBLE WALL DUCT – 16" INNER DUCT, 47" LONG – 2 LAYERS REDUCED CLEARANCE – 2
P25 SYSTEM AT P25	DW1647DWLT-2R-S	2138			-0.0143	70.12 0.00	1531.23		STAINLESS STEEL OUTER SHELL.
P26	DW1645DWASY-2R-S	2138			-0.0219	22.06	1531.23		DOUBLE WALL DUCT – 16" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAIN STEEL OUTER SHELL.
SYSTEM AT P26 P27	DW1607DWLT-2R-S	2138			-1.2799		1531.23	1	DOUBLE WALL DUCT - 16" INNER DUCT, 7" LONG - 2 LAYERS REDUCED CLEARANCE - 20"
SYSTEM AT P27					-1.282	0.00			STAINLESS STEEL OUTER SHELL. STANDARD PART.
P28	DW2024SADKIT					8.01		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20" OD – INCLUDES UNI-STRUT CU LENGTH, DW2024SAD, & HARDWARE BAG 4.
P29	DW1645DWASY-2R-S	2138			-0.0547		1531.23		DOUBLE WALL DUCT – 16" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 20" STAIN STEEL OUTER SHELL.
SYSTEM AT P29 P30	DW1647DWLT-2R-S	2138			-1.3367 -0.0143		1531.23		DOUBLE WALL DUCT – 16" INNER DUCT, 47" LONG – 2 LAYERS REDUCED CLEARANCE – 20 STAINLESS STEEL OUTER SHELL.
SYSTEM AT P30					-1.351	0.00			
P31 ASSEMBLED W/P32 SYSTEM AT P31	DW162150DWLTTP-2R-S	2138			-0.0066		1531.23	1	DOUBLE WALL DUCT – 16" INNER DUCT, 21.5" LONG – 2 LAYERS REDUCED CLEARANCE – STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATE.
P32 SSEMBLED W/P31 0=B	DW2616TPDBEX	2138			/b	9.00	1531.23	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 16" DUCT, 16 GA ALUMINI USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.0
SSEMIDLED W/PSI U=B		1				1		1	DESIGNED FOR USE WITH EXHAUST FAN.

				DU	CTWORK #2	2 PARTS	– JoB∦	¥7310318	DO	UBLE WALL H-04
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P33	DW2024SADKIT						8.01		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 20" OD – INCLUDES UNI-STRUT CUT TO LENGTH, DW2024SAD, & HARDWARE BAG 4.
P34 ASSEMBLED W/P11 O=T	DW16DWACCDOORCOV-2R-S						21.48		1	DOUBLE WALL DUCT – 16" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 2 LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
P35 ASSEMBLED W/P2 O=S	DW16DWACCDOORCOV-2R-S						21.48		1	DOUBLE WALL DUCT – 16" INNER ACCESS DOOR & 20" ACCESS DOOR COVER WITH CLAMPS – 2 LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER SHELL.
RC1	DW20DWRISER-2R-S						8.36		1	DOUBLE WALL RISER COVER – USED ON 16" INNER RISER, 4" LONG – 2 LAYERS REDUCED CLEARANCE – 20" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS						0.80		7	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW16DWCLASY-2R-S						7.96		15	DUCT – 16" DUCT – 20" DOUBLE "V" CLAMP – 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT							1554.99			

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# DW2024SADKIT – HORIZONTAL SUPPORTS

## SUPPORT SYSTEM DETAILS #2

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

HORIZ	ONTAL
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'

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

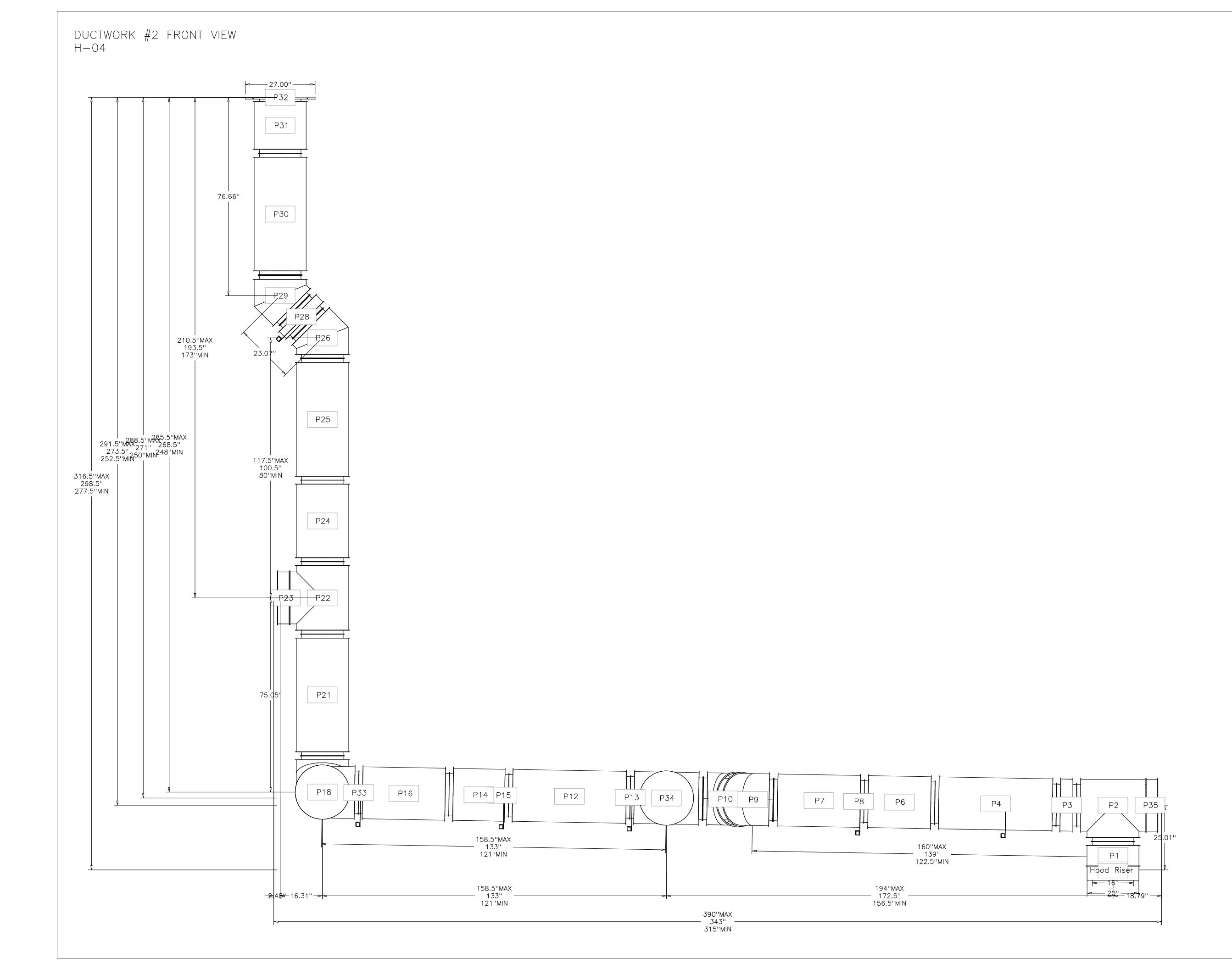
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL - DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE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

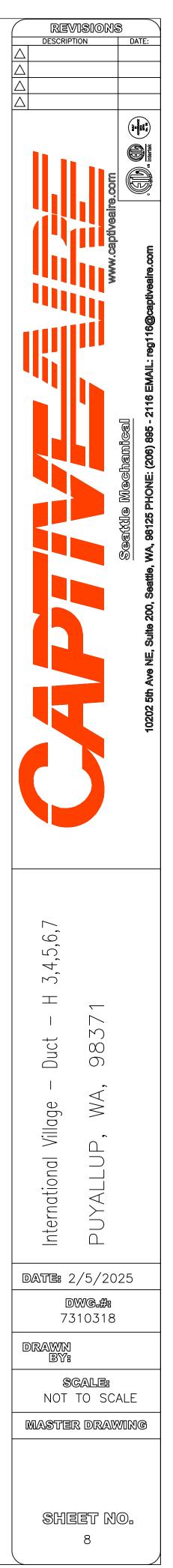
DOUBLE WALL FACTORY BUILT DUCTWORK

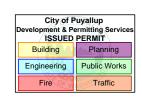
FLOOR UPPORT (FT)
24'
24'
24'
20'

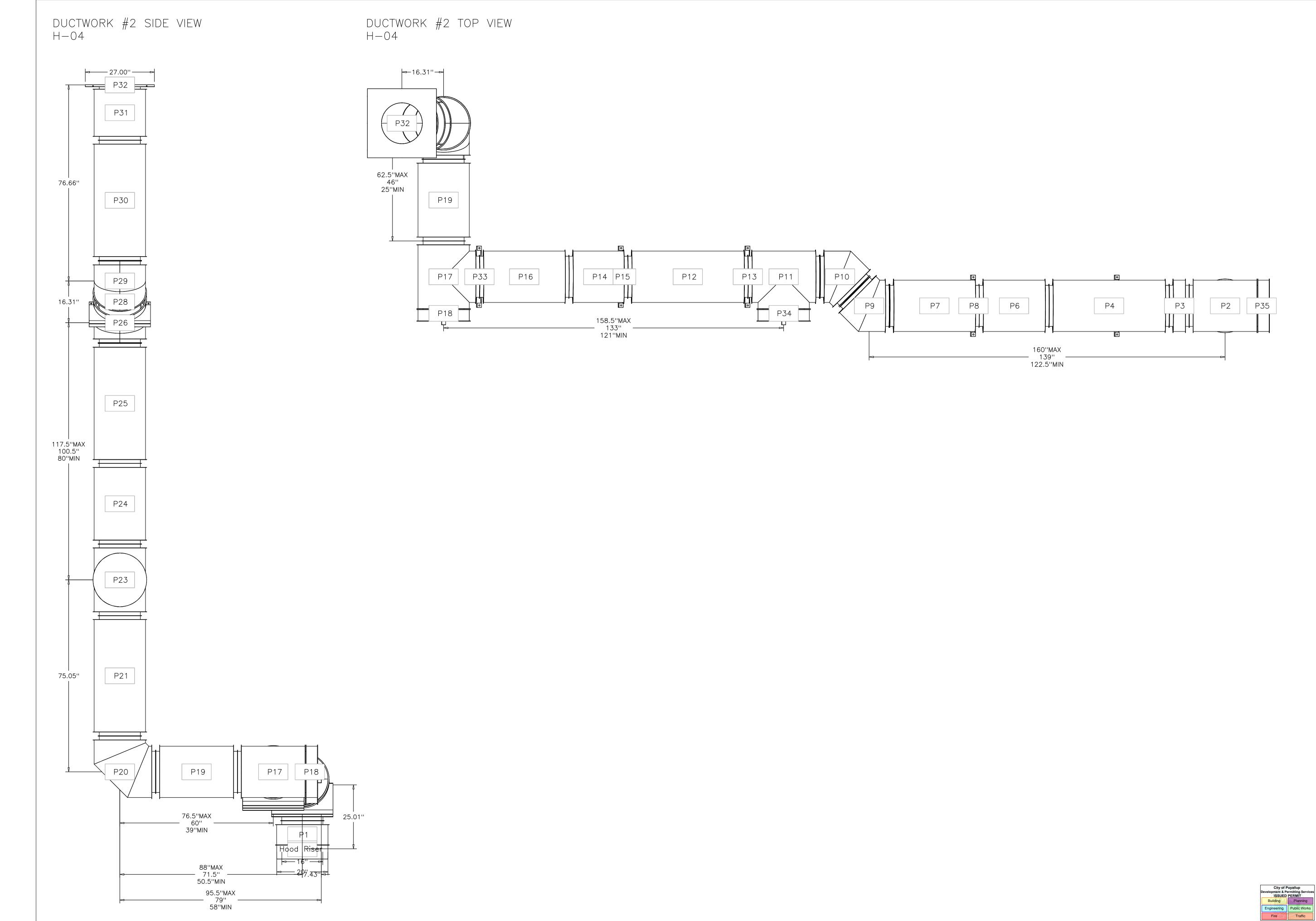
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	- Duct - H 3,4,5,6,	PUYALLUP, WA, 98371	
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Engineering Public Worl

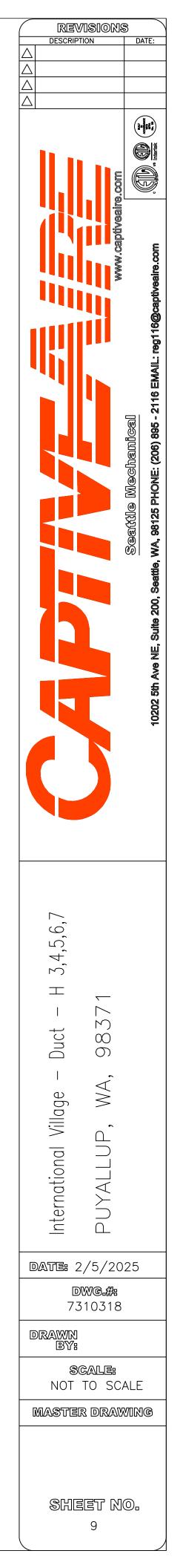


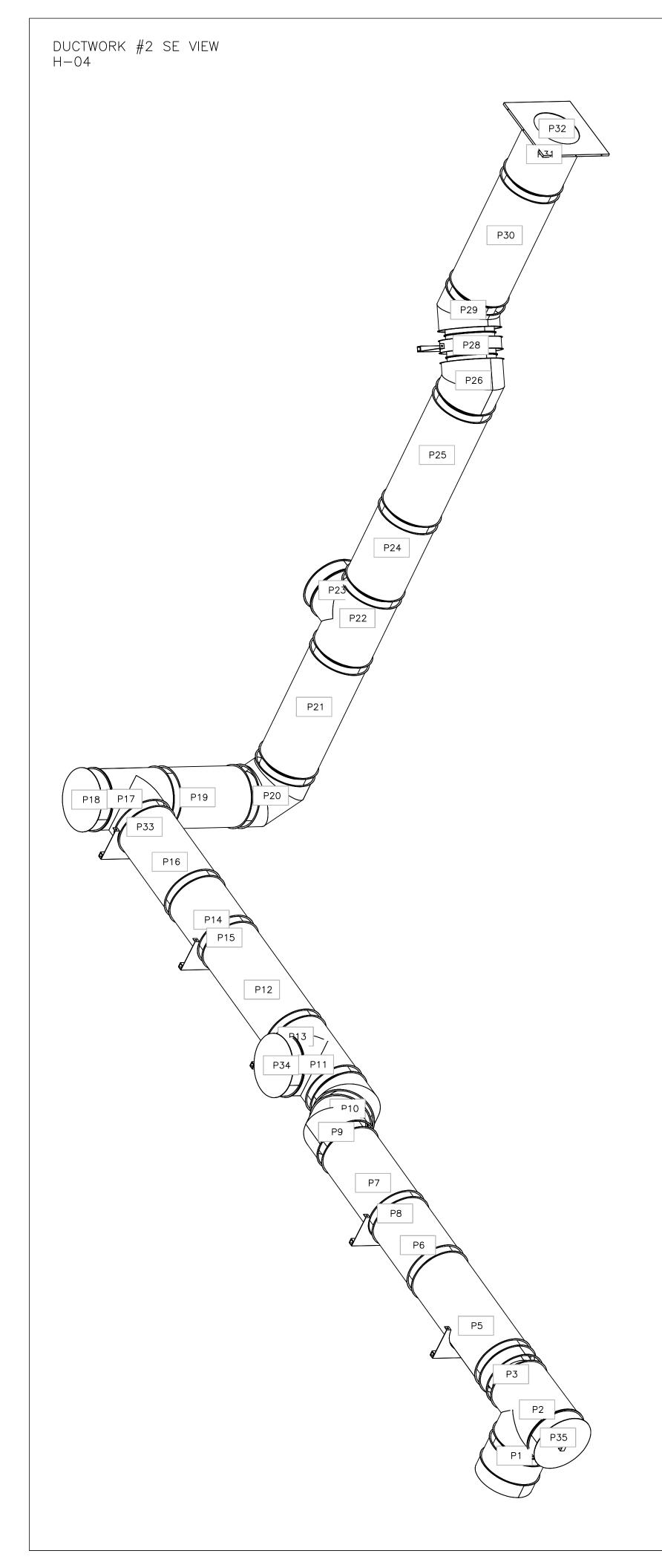












	REVISIONS
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City of Puyallup

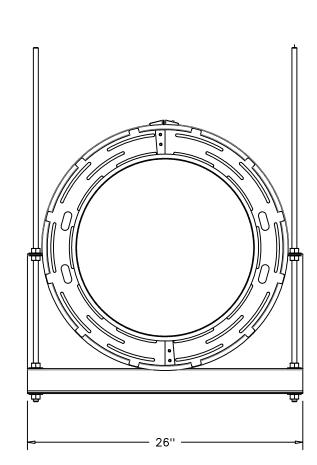
Engineering Public Works Fire Traffic

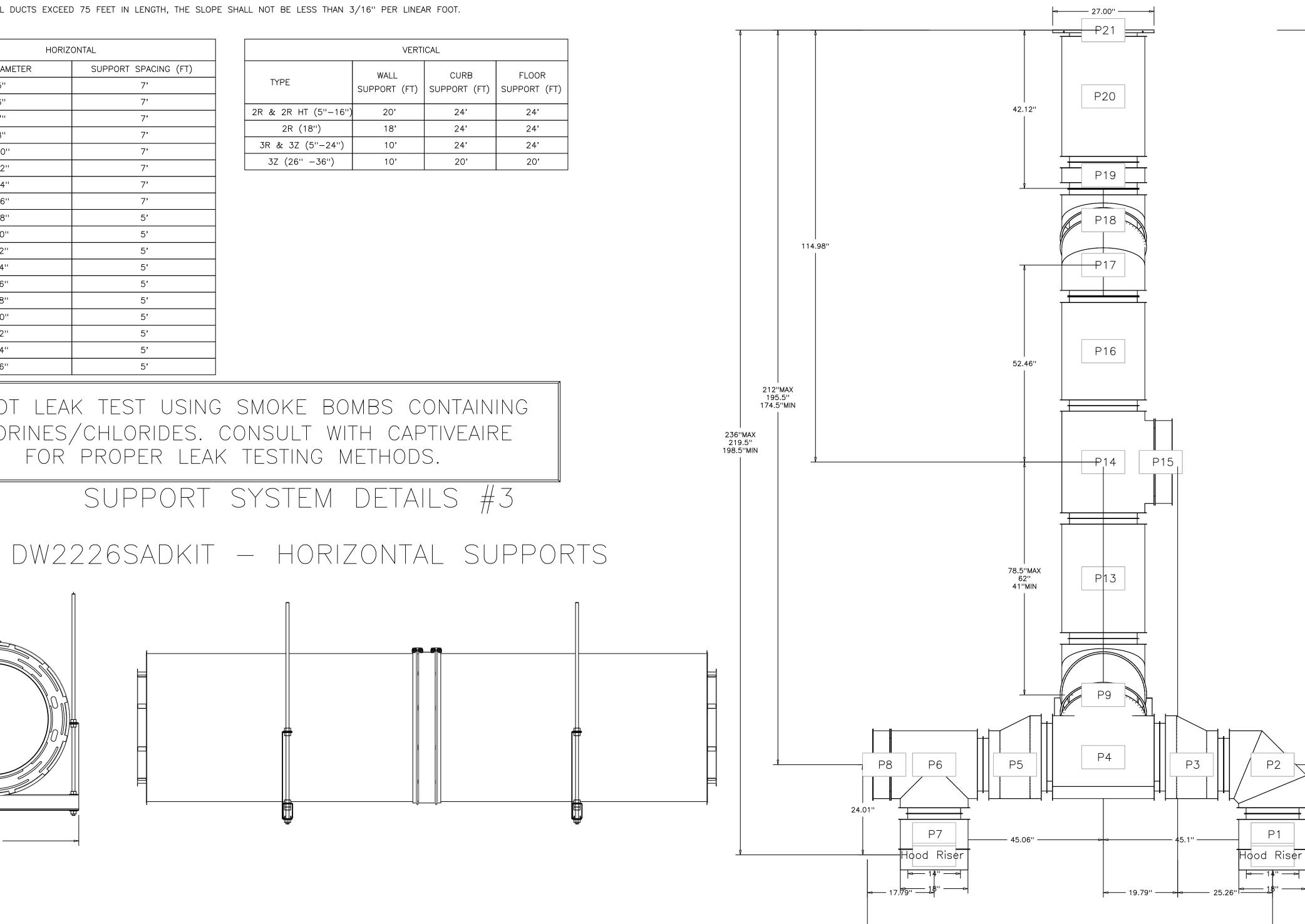
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TAO									DECODIDION
TAG	PART #	CFM	GPM	ZONE COVEREDBY	SP	WEIGHT	VELOCITY		DESCRIPTION DOUBLE WALL RISER COVER - USED ON 14" INNER RISER, 4" LONG - 2 LAYERS REDUCED
Hood Riser	DW18DWRISER-2R-S	1666			0.732	8.15	0.00	1	CLEARANCE – 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
Hood Riser	DW18DWRISER-2R-S	1666			0.732	8.15	0.00	1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 2 LAYERS REDUCED CLEARANCE – 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
P1	DW1411DWLT-2R-S	1666			-0.004	14.89	1558.45	1	DOUBLE WALL DUCT – 14" INNER DUCT, 11" LONG – 2 LAYERS REDUCED CLEARANCE – 18" STAINLESS STEEL OUTER SHELL.
SYSTEM AT P1					-0.004	0.00			
P2	DW1490DWASY-2R-S	1666			-0.1046	33.30	1558.45	1	DOUBLE WALL DUCT – 14" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 18" STAINLE STEEL OUTER SHELL.
SYSTEM AT P2					-0.1086	0.00			
P3	DW1418DWRNDADPEC2ASY17-2R-S	1666			-0.0329		1558.45	1	DOUBLE WALL DUCT ECCENTRIC – 14" X 18" RND2RND ADAPTER – 17" TALL – 2 LAYERS REDUCED CLEARANCE – 18" X 22" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
SYSTEM AT P3					-0.1415				DOUBLE WALL DUCT – 18'' INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22'' STAINL
P4	DW18DWTEASY-2R-S	3332		1	-0.4505		1885.53	1	STEEL OUTER SHELL.
SYSTEM AT P4					-0.592	0.00			
P5	DW1418DWRNDADPEC2ASY17-2R-S	1666			-0.0329		1558.45	1	DOUBLE WALL DUCT ECCENTRIC – 14" X 18" RND2RND ADAPTER – 17" TALL – 2 LAYERS REDUCED CLEARANCE – 18" X 22" STAINLESS STEEL OUTER SHELL. STANDARD ADAPTER.
SYSTEM AT P5 P6		4.0.00			-0.1415		4550.45		DOUBLE WALL DUCT – 14'' INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 18'' STAINLE
ASSEMBLED W/P8	DW14DWTEASY-2R-S	1666		1	-0.1046		1558.45	1	STEEL OUTER SHELL.
SYSTEM AT P6	DW1411DWLT-2R-S	1666			-0.1086	14.89	1558.45	1	DOUBLE WALL DUCT – 14" INNER DUCT, 11" LONG – 2 LAYERS REDUCED CLEARANCE – 18"
SYSTEM AT P7					-0.004	0.00	1000.40		STAINLESS STEEL OUTER SHELL.
P8 ASSEMBLED W/P6 0=S	DW14DWACCDOORCOV-2R-S					22.25		1	DOUBLE WALL DUCT – 14" INNER ACCESS DOOR & 18" ACCESS DOOR COVER WITH CLAMPS – LAYERS REDUCED CLEARANCE – 18" STAINLESS STEEL OUTER SHELL.
P9	DW1845DWASY-2R-S	3332			-0.2659	26.22	1885.53	1	DOUBLE WALL DUCT – 18" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLE
SYSTEM AT P9					-0.8579				STEEL OUTER SHELL.
P10	DW1807DWLT-2R-S	3332			-0.0022	13.10	1885.53	1	DOUBLE WALL DUCT – 18" INNER DUCT, 7" LONG – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
SYSTEM AT P10					-0.8601	0.00			
P11	DW2226SADKIT					8.80		1	DUCT – HORIZONTAL SADDLE SUPPORT KIT, USED WITH 22'' OD – INCLUDES UNI-STRUT CUT T LENGTH, DW2226SAD, & HARDWARE BAG 4.
P12	DW1890DWASY-2R-S	3332			-0.2188	45.59	1885.53	1	DOUBLE WALL DUCT – 18" INNER 90 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLES
SYSTEM AT P12					-1.0789	0.00			
P13	DW1847DWAJD-2R-S	3332			-0.0098	107.98	1885.53	1	DOUBLE WALL ADJUSTABLE DUCT – 18" INNER DUCT – 2 LAYERS REDUCED CLEARANCE – 22" 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 P14					-1.0887	0.00			
ASSEMBLED W/P15	DW18DWTEASY-2R-S	3332		1	-0.0092	55.68	1885.53	1	DOUBLE WALL DUCT – 18" INNER TEE DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLE STEEL OUTER SHELL.
SYSTEM AT P14					-1.0979	0.00			
P15 ASSEMBLED W/P14 O=T	DW18DWACCDOORCOV-2R-S					26.16		1	DOUBLE WALL DUCT – 18" INNER ACCESS DOOR & 22" ACCESS DOOR COVER WITH CLAMPS – LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
P16	DW1829DWLT-2R-S	3332			-0.0089	50.46	1885.53	1	DOUBLE WALL DUCT – 18" INNER DUCT, 29" LONG – 2 LAYERS REDUCED CLEARANCE – 22" STAINLESS STEEL OUTER SHELL.
SYSTEM AT P16					-1.1068	0.00			
P17	DW1845DWASY-2R-S	3332			-0.062	26.22	1885.53	1	DOUBLE WALL DUCT – 18" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLE STEEL OUTER SHELL.
SYSTEM AT P17					-1.1688				DOUBLE WALL DUCT – 18" INNER 45 DUCT – 2 LAYERS REDUCED CLEARANCE – 22" STAINLE
P18	DW1845DWASY-2R-S	3332			-0.0385		1885.53	1	STEEL OUTER SHELL.
SYSTEM AT P18		7770			-1.2073		1005 57		DOUBLE WALL DUCT – 18" INNER DUCT, 7" LONG – 2 LAYERS REDUCED CLEARANCE – 22"
P19 SYSTEM AT P19	DW1807DWLT-2R-S	3332			-0.0022		1885.53		STAINLESS STEEL OUTER SHELL.
P20	DW1835DWLTTP-2R-S	3332			-0.0108		1885.53	1	DOUBLE WALL DUCT – 18" INNER DUCT, 35" LONG – 2 LAYERS REDUCED CLEARANCE – 22"
ASSEMBLED W/P21 SYSTEM AT P20			-		-0.0108				STAINLESS STEEL OUTER SHELL – USED WITH TRANSITION PLATES
P21 ASSEMBLED W/P20 O=B	DW2618TPDBEX	3332			1.2200	9.00	1885.53	1	DUCT TO CURB TRANSITION 3/4" DOWN TURN, 26 1/2" CURB TO 18" DUCT, 16 GA ALUMINIZE USED ON NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. TRANSITION PLATE OD IS 27.00"
RC1	DW18DWRISER-2R-S					8.15		1	DESIGNED FOR USE WITH EXHAUST FAN. DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 2 LAYERS REDUCED CLEARANCE – 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
RC2	DW18DWRISER-2R-S					8.15		1	DOUBLE WALL RISER COVER – USED ON 14" INNER RISER, 4" LONG – 2 LAYERS REDUCED CLEARANCE – 18" STAINLESS STEEL OUTER RISER SHELL ASSEMBLY. INCLUDES INSULATION & SINGLE V CLAMPS FOR INNER & OUTER CONNECTIONS.
	3M-2000PLUS					0.80		6	DUCT – 3M FIRE BARRIER 2000 PLUS SILICONE – USED AS SEALANT TO SEAL DUCT JOINTS.
	DW14DWCLASY-2R-S					7.21		4	DUCT – 14" DUCT – 18" DOUBLE "V" CLAMP – 2R INSULATION & SINGLE "V" CLAMP INCLUD REDUCED CLEARANCE.
	DW18DWCLASY-2R-S					8.70		10	DUCT - 18" DUCT - 22" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUD
TOTAL WEIGHT						867.49		+	REDUCED CLEARANCE.

	REVISIONS	8
$\triangle$	DESCRIPTION	DATE:
$\triangle$		
	www.captiveaire.com	om instant
		<u>ାତତ୍ରା</u> 895 - 2116 EMAIL: reg116@captiveaire.com
		<u>ି ଅକ୍ଟୋମ୍ଟା</u> ଆକ୍ଟମିଥି ଆକ୍ଟମିଥି ଆକ୍ଟମିଥି । ଆକ୍ଟାରୁ । 10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 895 - 2116 ।
	International Village – Duct – H 3,4,5,6,7 PUYALLUP, WA, 98371	25
	DATE: 2/5/20 DWG.# 7310318	25
	DRAWN BY:	
	SCALE: 3/4'' = 1'- MASTER DRAM	
	SHEET NO 11	

City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Content Traffic





## SUPPORT SYSTEM DETAILS #3

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

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'				

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

- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

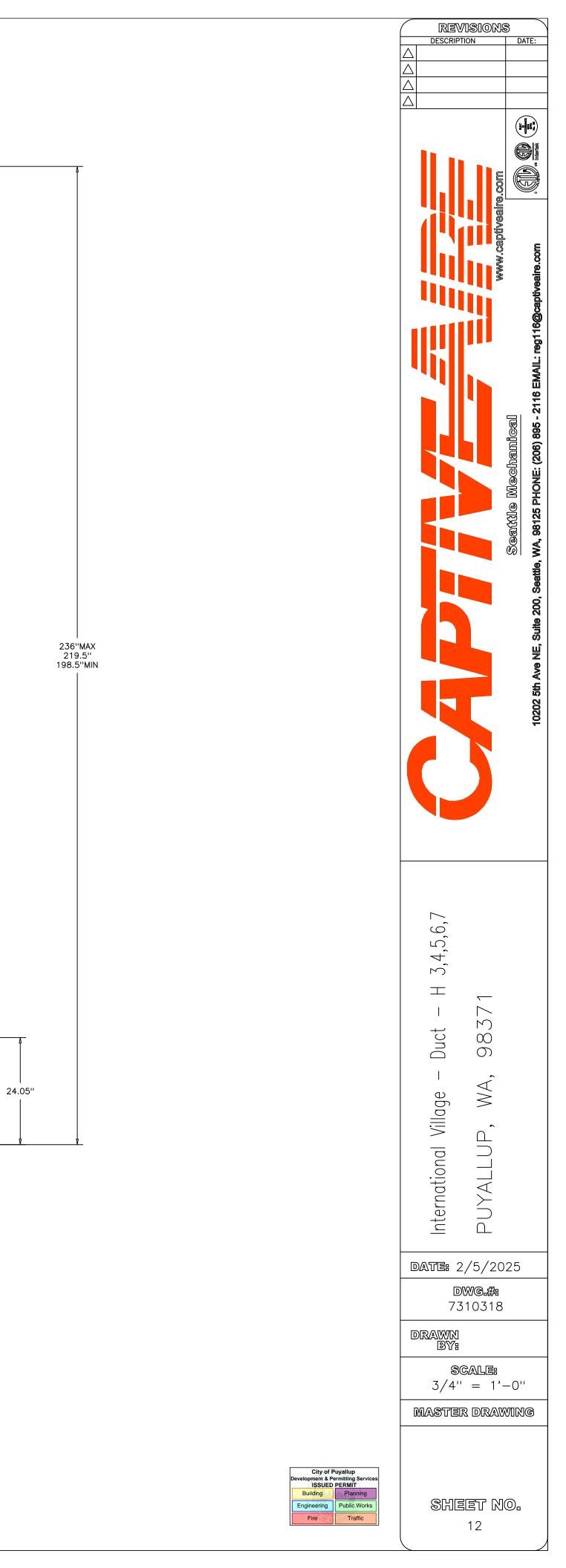
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.

- 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

DOUBLE WALL FACTORY BUILT DUCTWORK

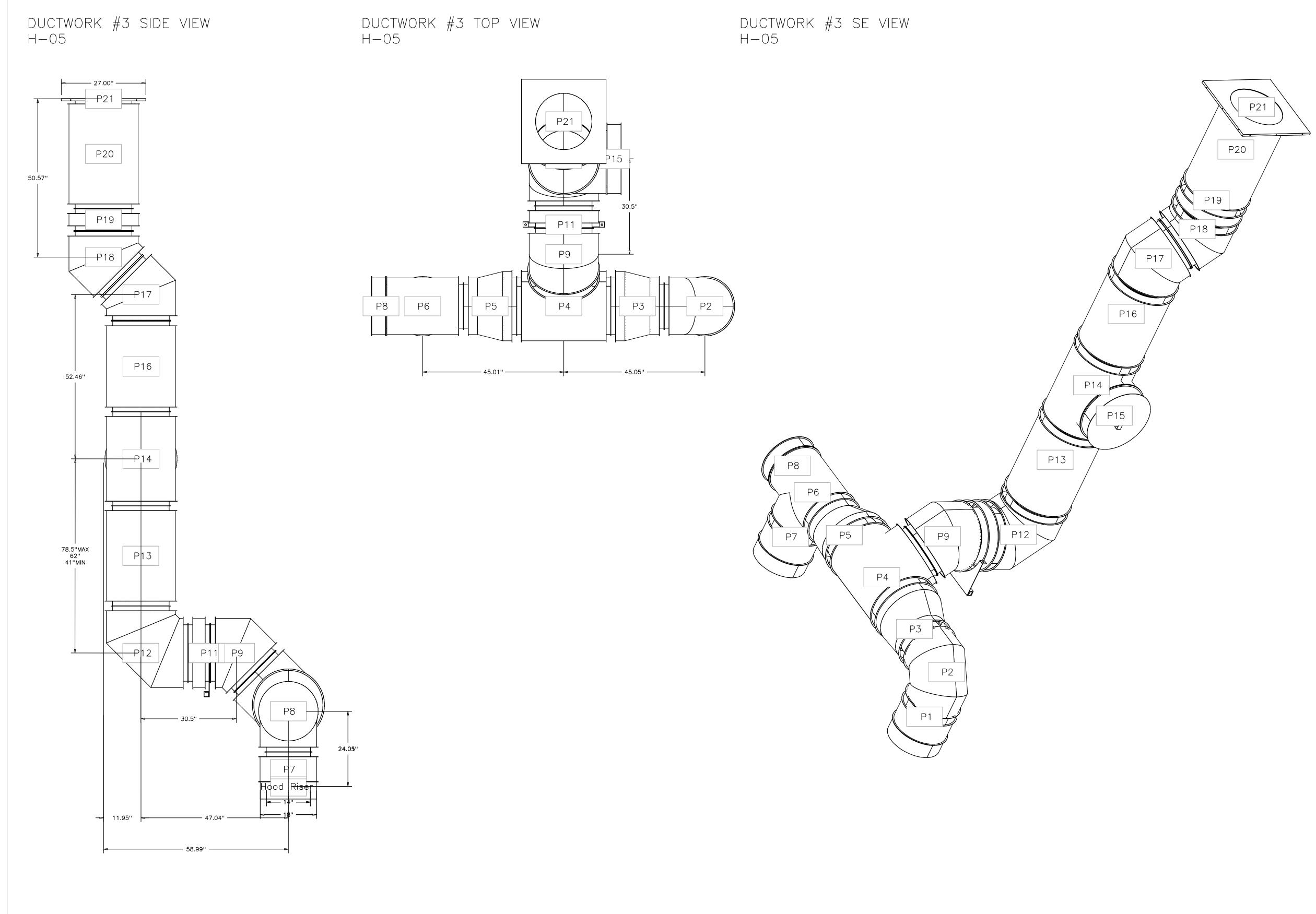
### DUCTWORK #3 FRONT VIEW H-05

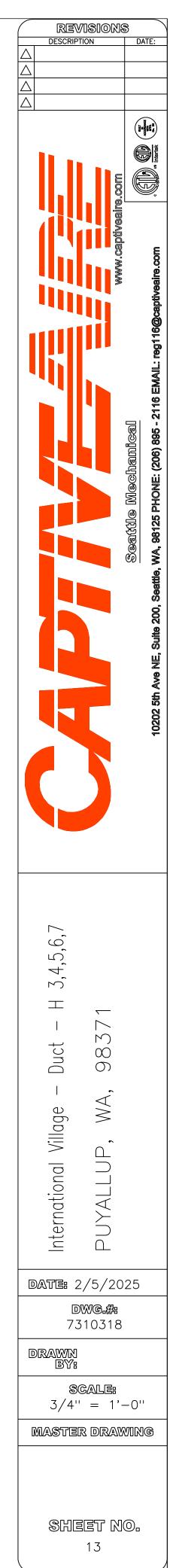


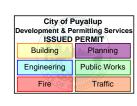
Ρ2

Ρ1

- 107.86" -







TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DE
Hood Riser	DW22DWRISER-2R-S	3188				1.074	10.73	0.00	1	DO CLI SIN
P1	DW1817DWLT-2R-S	3188				-0.0048	27.78	1804.04	1	DO ST/
SYSTEM AT P1						-0.0048	0.00			
P2 ASSEMBLED W/P3	DW18DWTEASY-2R-S	3188		1		-0.1522	55.68	1804.04	1	DO STI
SYSTEM AT P2						-0.157	0.00			
P3 ASSEMBLED W/P2 O=S	DW18DWACCDOORCOV-2R-S						26.16		1	DO LAY
P4	DW1847DWLT-2R-S	3188				-0.0132	77.59	1804.04	1	DO ST/
SYSTEM AT P4						-0.1702	0.00			
P5	DW1817DWLT-2R-S	3188				-0.0048	27.78	1804.04	1	DO ST/
SYSTEM AT P5						-0.175	0.00			
P6 ASSEMBLED W/P7	DW18DWTEASY-2R-S	3188		1		-0.0085	55.68	1804.04	1	DO STE
SYSTEM AT P6						-0.1835	0.00			
P7 ASSEMBLED W/P6 O=T	DW18DWACCDOORCOV-2R-S						26.16		1	DO LA
P8	DW1847DWAJD-2R-S	3188				-0.0089	107.98	1804.04	1	DO ST/ 30
SYSTEM AT P8						-0.1924	0.00			
P9	DW1829DWLT-2R-S	3188				-0.0082	50.46	1804.04	1	DO ST/
SYSTEM AT P9						-0.2006	0.00			
P10	DW1830DWASY-2R-S	3188				-0.0369	21.84	1804.04	1	DO Ste
SYSTEM AT P10						-0.2375	0.00			<u> </u>
P11	DW1830DWASY-2R-S	3188				-0.0282	21.84	1804.04	1	DO STE
SYSTEM AT P11						-0.2657	0.00			
P12 ASSEMBLED W/P13	DW182150DWLTTP-2R-S	3188				-0.0061	35.34	1804.04	1	DO STA
SYSTEM AT P12						-0.2718	0.00			
P13 ASSEMBLED W/P12 O=B	DW2618TPDBEX	3188					9.00	1804.04	1	DU US DE
RC1	DW22DWRISER-2R-S						10.73		1	DO CLI SIN
	3M-2000PLUS						0.80		4	DU
	DW18DWCLASY-2R-S						8.70		7	DU REI
TOTAL WEIGHT		1					628.85		+	+

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

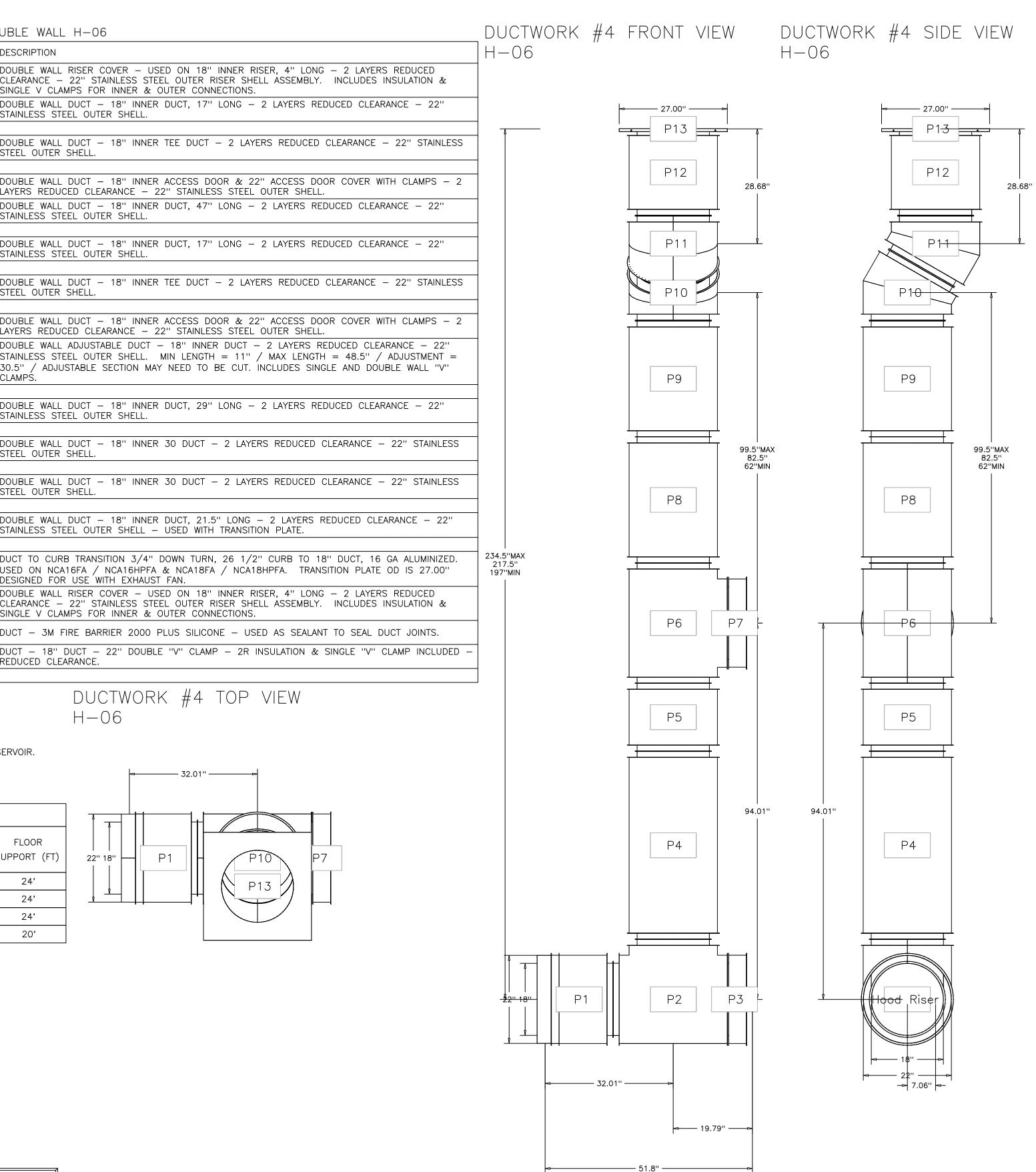
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.

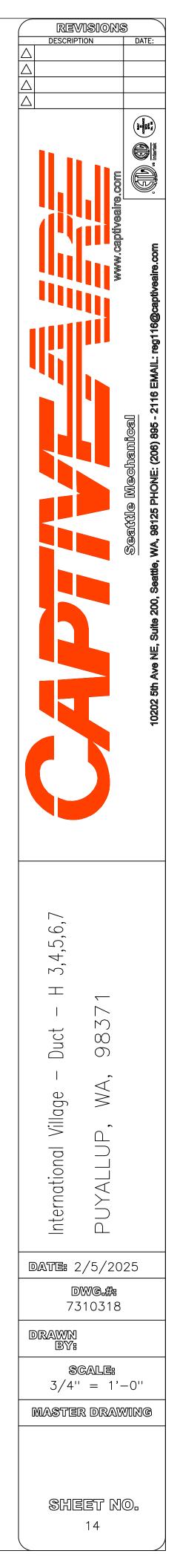
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

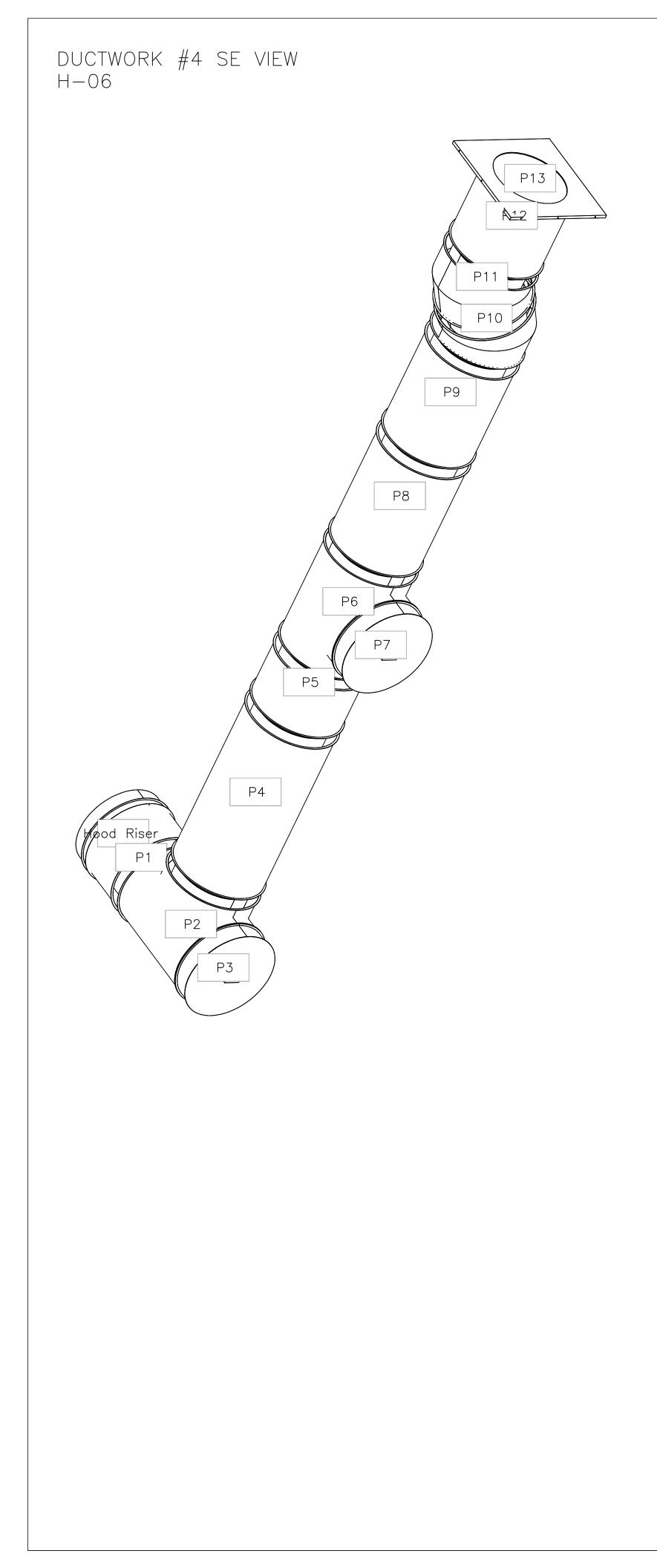
HORIZONTAL					
DUCT DIAMETER	SUPPORT SPACING (FT)				
5''	7'				
6''	7'				
7"	7'				
8''	7'				
10''	7'				
12"	7'				
14''	7'				
16''	7'				
18''	5'				
20''	5'				
22''	5'				
24''	5'				
26''	5'				
28''	5'				
30''	5'				
32''	5'				
34''	5'				
36''	5'				

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

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







REVISIONS
DESCRIPTION     DATE:       \[begin{aligned} & & & & & & & & & & & & & & & & & & &
www.captiveaire.com
ାସମାନ ଅନ୍ତରୀ ଅଟେ - 2116 EMAIL: reg116@captiveaire.com
EMAIL: reg116@
10202 5th Ave NE, Suite 200, Seattle, WA, 98125 PHONE: (206) 895 - 2116
e - Duct - H 3,4,5,6, /A, 98371
International Village PUYALLUP, W/
DATE: 2/5/2025 DWG.#:
7310318 DRAWN
BY: Scale: 3/4'' = 1'-0''
MASTER DRAWING
SKEET NO. 15

City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DE
Hood Riser	DW22DWRISER-2R-S	3854				1.776	10.73	0.00	1	DO CLI SIN
P1	DW1817DWLT-2R-S	3854				-0.007	27.78	2180.92	1	DO STA
SYSTEM AT P1						-0.007	0.00			
P2 ASSEMBLED W/P3	DW18DWTEASY-2R-S	3854		1		-0.2224	55.68	2180.92	1	DO Ste
SYSTEM AT P2						-0.2294	0.00			
P3 ASSEMBLED W/P2 O=S	DW18DWACCDOORCOV-2R-S						26.16		1	DO LA1
P4	DW1847DWLT-2R-S	3854				-0.0194	77.59	2180.92	1	DO ST/
SYSTEM AT P4						-0.2488	0.00			
P5	DW1847DWLT-2R-S	3854				-0.0194	77.59	2180.92	1	DO ST/
SYSTEM AT P5						-0.2682	0.00			
P6 ASSEMBLED W/P7	DW18DWTEASY-2R-S	3854		1		-0.0124	55.68	2180.92	1	DO Ste
SYSTEM AT P6						-0.2806	0.00			
P7 ASSEMBLED W/P6 O=T	DW18DWACCDOORCOV-2R-S						26.16		1	DO LA
P8	DW1847DWAJD-2R-S	3854				-0.0173	107.98	2180.92	1	DO ST/ 30 CL/
SYSTEM AT P8						-0.2979	0.00			
P9	DW1815DWASY-2R-S	3854				-0.0356	18.82	2180.92	1	DO Ste
SYSTEM AT P9						-0.3335	0.00			
P10	DW1835DWLT-2R-S	3854				-0.0144	57.50	2180.92	1	DO ST/
SYSTEM AT P10						-0.3479	0.00		<u> </u>	
P11	DW1815DWASY-2R-S	3854				-0.089	18.82	2180.92	1	DO Ste
SYSTEM AT P11						-0.4369	0.00			
P12 ASSEMBLED W/P13	DW182150DWLTTP-2R-S	3854				-0.0089	35.34	2180.92	1	DO ST/
SYSTEM AT P12						-0.4458	0.00			
P13 ASSEMBLED W/P12 O=B	DW2618TPDBEX	3854					9.00	2180.92		DU US DE:
RC1	DW22DWRISER-2R-S						10.73		1	DO CLI SIN
	3M-2000PLUS						0.80		4	DU
	DW18DWCLASY-2R-S						8.70		7	DU REI
TOTAL WEIGHT							679.66			

DOUBLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.

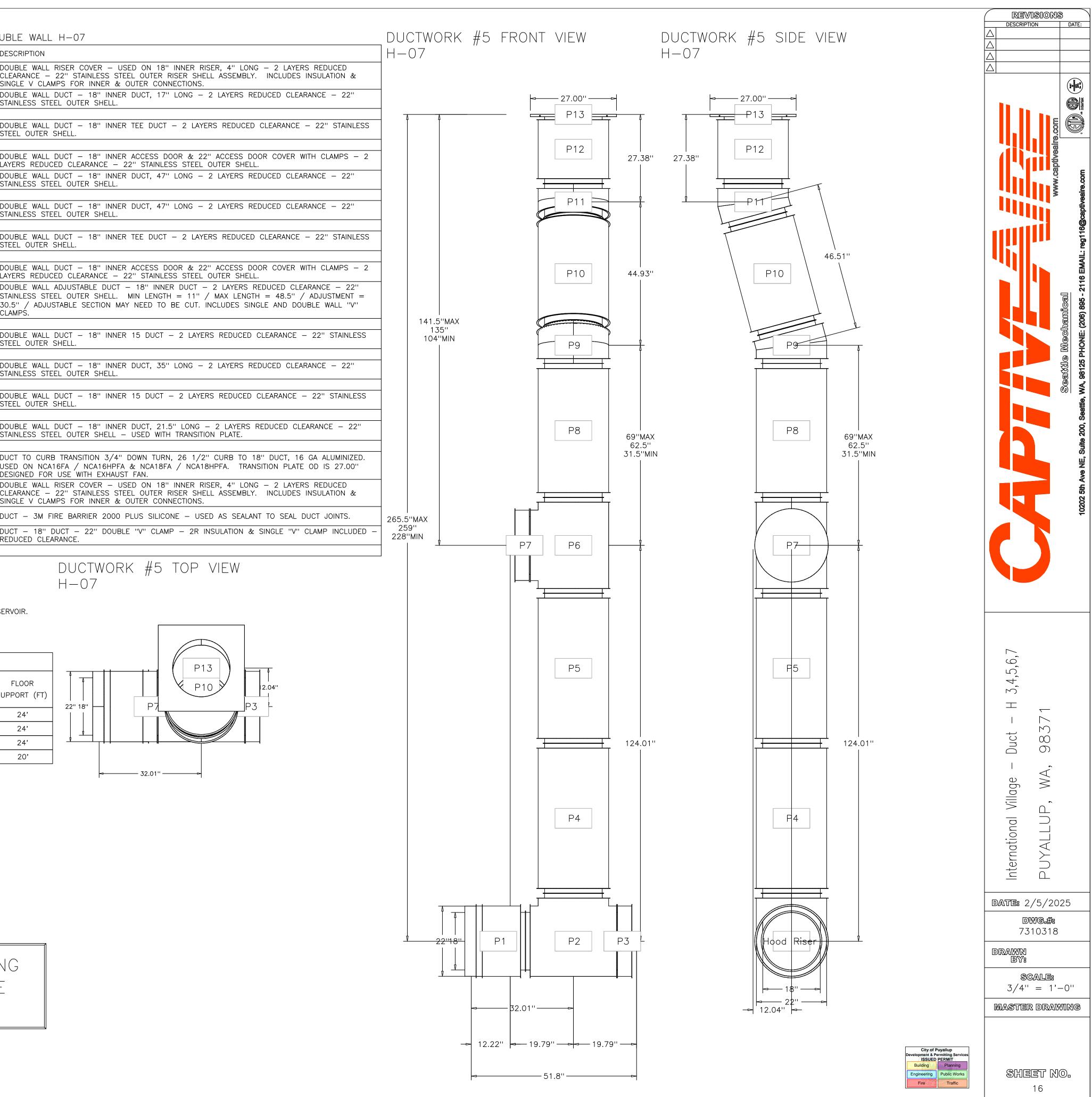
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE ENTIRE INSTALLATION AND OPERATION MANUAL

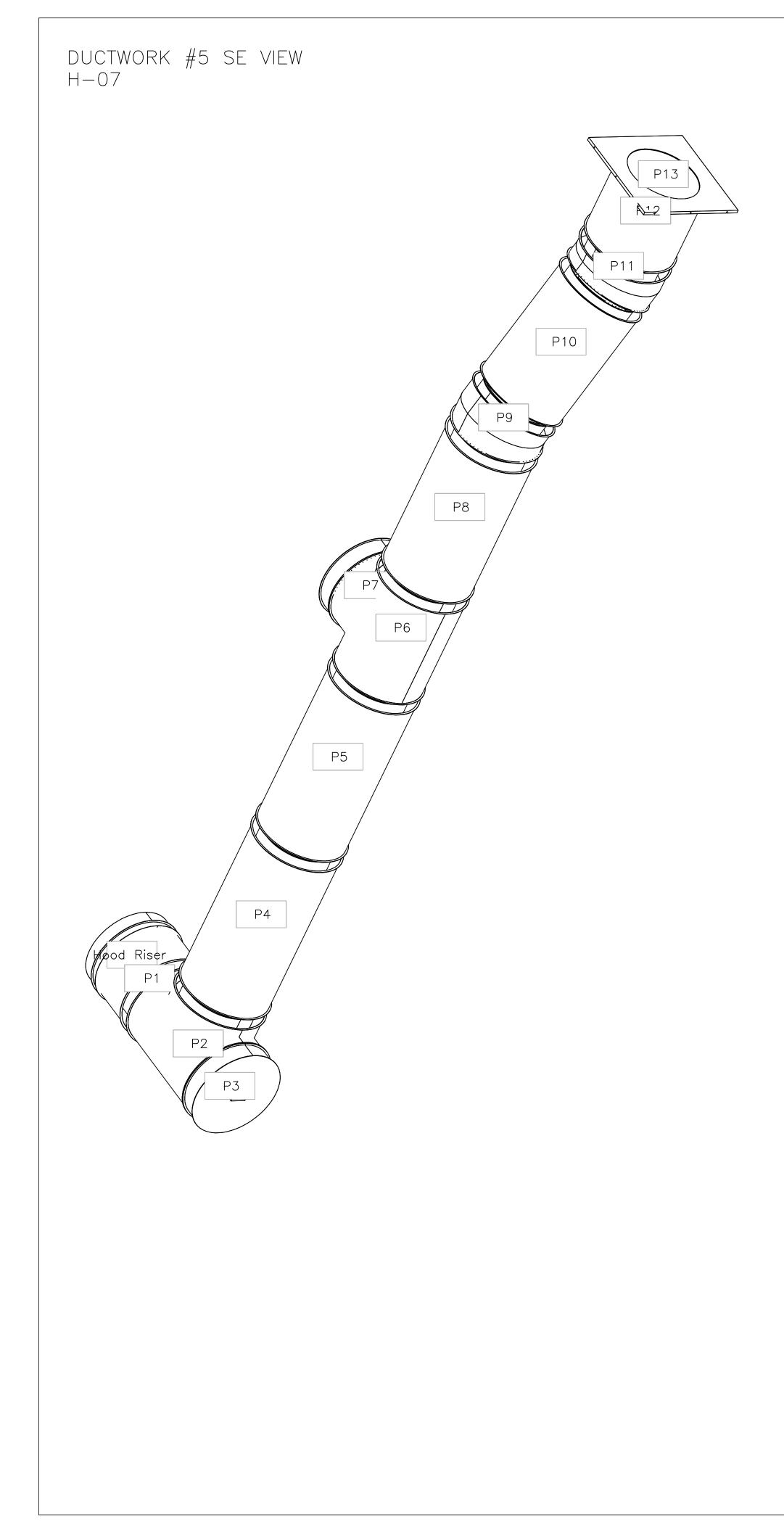
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR. - WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

HOR	IZONTAL
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)	SUF
2R & 2R HT (5"-16")	20'	24'	
2R (18'')	18'	24'	
3R & 3Z (5''-24'')	10'	24'	
3Z (26" -36")	10'	20'	

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





	REVISIONS
$\square$	DESCRIPTION DATE:
$\Box$	
$\triangle$	
	10202 5th Ave NE, Suite 200, Seattle, WA, 96125 PHONE: (206) 895 - 2116 EMAIL: reg116@captivalie.com
	L'9'5'6'1 L'2'9'5'6'1 Unde Duct - H 3'4'2'6'1 DUVG MA 3'4'' - 1'-0'' MASTER DRAWING MASTER DRAWING
	SHEET NO. 17

City of Puyallup evelopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic