GREASE DUCT & CHIMNEY SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW"

ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK, MODEL "DW"

IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING

CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS, MODEL "DW

DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER

THE MANUFACTURES INSTALLATION GUIDE,

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND

PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

Approved as Noted Approved with NO Exception Taken Revise and Resubmit SIGNATURE Your Title Date EXHAUST FAN. MIGH TEMP GASKET IS USED TO SEAL THE FAN TO THE TRANSITION PLATE. VENTED CURB ROOF TERMINATION. VENTED CURB ROOF TERMINATION. LISTED GREASE DUCT.

Tag	Part #	CFM	S.P.	Weight	Velocity	QTY	Description	
P1	DW1414DWLT-2R-S	1378	-0.003	25.39	1289.04	1	Double Wall Duct - 14" Inner Duct, 14" long - 2 Layers Reduced Clearance - 18" Stainless Steel Duter Shell.	
P2 Assembled w/P3	DW144550DWLTTP-2R-S	1378	-0.011	69.47	1289.04	1	Double Wall Duct - 14" Inner Duct, 45.5" long - 2 Layers Reduced Clearance - 18" Stainless Steel Duter Shell - Used With Transition Plate.	
P3 Assembled w/P2	DW2314TPDBEX	1378	0	9.00	1289.04	1	Duct to Curb Transition 3/4" Down Turn, 23" Curb to 14" Duct, 16 GA Aluminized. Used on NCA14FA & NCA14HPFA. Transition Plate DD is 23.5" Designed For Use With Exhaust Fan. Non-Standard Part.	
System at P3		1378	-0.515					
P4	DW1414DWLT-2R-S	1378	-0.003	25.39	1289.04	1	Double Wall Duct - 14" Inner Duct, 14" long - 2 Layers Reduced Clearance - 18" Stainless Steel Duter Shell.	
P5 Assembled w/P6	DW144550DWLTTP-2R-S	1378	-0.011	69.47	1289.04	1	Double Wall Duct - 14" Inner Duct, 45.5" long - 2 Layers Reduced Clearance - 18" Stainless Steel Duter Shell - Used With Transition Plate.	
P6 Assembled w/P5	DW2314TPDBEX	1378	0	9.00	1289.04	1	Duct to Curb Transition 3/4" Down Turn, 23" Curb to 14" Duct, 16 GA Aluminized. Used on NCA14FA & NCA14HPFA. Transition Plate OD is 23.5" Designed For Use With Exhaust Fan. Non-Standard Part.	
System at P6		1378	-0.515					
	3M-2000PLUS			0.80		2	Duct - 3M Fire Barrier 2000 Plus Silicone - Used as sealant to Seal Duct Joints.	
	DW14DWCLASY-2R-S			7.71		2	Duct - 14" Duct - 18" Double "V" Clamp - 2R Insulation & Single "V" Clamp Included - Reduced Clearance.	
	DW18DWRISER-2R-S			9.50		2	Double Wall Riser Cover - Used 🛭 14" Inner Riser, 4" long - 2 Layers Reduced Clearance - 18" Stainless Steel 🖺 uter Riser Shell Assembly. Includes Insulation & Single V Clamps For Inner & 🖺 uter Connections.	
Total Weight				243.74				

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 SUPP□RT (ft)
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′

"AMERICAN MANUFACTURED IS PREFERRED"

RECORD DRAWING:

THIS DRAWING HAS BEEN UPDATED TO REFLECT CHANGES MADE DURING CONSTRUCTION BASED UPON INFORMATION FURNISHED TO THE ENGINEER BY THE INSTALLATION CONTRACTOR. NO WARRANTY EITHER EXPLICIT OR IMPLIED IS GIVEN BY MFIA, INC. AS TO THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION.

AS-BUILT PREPARED 1.22.2020

STER SHELTER

E FOSTER RD, PORTLAND, OREGON 97206

MULTNOMAH COUNTY

PROJECT NO. ISSUE DATE
17-0918 05.04.2018

REVISIONS
CHECKSHEET 5.23.2018

3 OWNER CHANGES 2.26.2019

CAPTIVE AIR DETAILS

M5.2

PERMIT SET
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