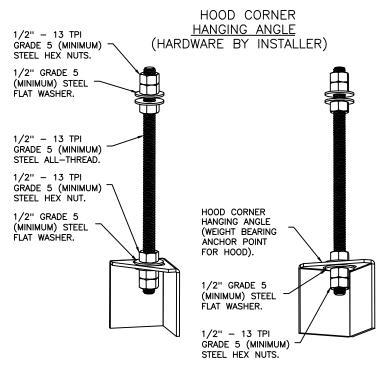
	Seatt	ONS, CALL THE le Office																					
	PHONE: (4	GION 85 25) 212 — 5996 @captiveaire.com																					
		JOB#7322372																					
ноор	TAG	MODEL MANUFACTURE	RI	ENGTH	MAX COOKING	TYPE	APPLIANCE	DESIGN					UST P RISER(S				TOTAL SUPPLY	HOOD					
NO 1	ITEM 108 – L	6024 CAPTIVEAIRE		14' 1''	TEMP 600		DUTY HEAVY	250	EXH CFN 3521	M WIDTH	LENG	HEIGHT 4''	DIA 14''	CFM 1760	VEL 1646	SP -0.740''	CFM 3168	CONSTRUCTION 430 SS	END LEFT	ALONE			
2	(01) ITEM 108 - R	ND-2-PSP-F 6024 CAPTIVEAIRE		4' 11''	DEG 600		HEAVY	250	3729			4'' 4''	14'' 14''	1760 1864	1646 1744	-0.740'' -0.831''	3356	WHERE EXPOSE 430 SS	RIGHT				
3	(02) ITEM 309 (03)	ND-2-PSP-F 5424 CAPTIVEAIRE		5' 11''	DEG 600		HEAVY	250	3979			4'' 4''	14'' 14''	1864 1989	1744 1861	-0.831'' -0.945''	3581	WHERE EXPOSE 430 SS					
4	ITEM 366 (04)	ND-2-PSP-F 5424 CAPTIVEAIRE		9'6''	DEG 600 DEG	1	HEAVY	225	2138			4'' 4''	14'' 16''	1989 2138	1861 1531	-0.945'' -0.711''	1924	WHERE EXPOSE 430 SS					
5	ITEM 401 (05)	ND-2-PSP-F 5424 ND-2-PSP-F CAPTIVEAIRE	1	13'4''	600 DEG	1	HEAVY	250	3333			4'' 4''	14'' 14''	1666 1666	1558 1558	-0.732'' -0.732''	2999	WHERE EXPOSE 430 SS WHERE EXPOSE		E ALONE			
6	ITEM 503 (06)	5424 ND-2-PSP-F CAPTIVEAIRE	1	12'9''	600 DEG	1	HEAVY	250	3188			4''	18''	3188	1804	-1.074''	2869	430 SS WHERE EXPOSE		E FRONT			
7	ITEM 481 (07)	5424 ND-2-PSP-F		15' 5''	600 DEG	1	HEAVY	250	3854			4'' 4''	14'' 14''	1927 1927	1803 1803	-0.888'' -0.888''	3468	430 SS WHERE EXPOSE		E BACK			
8	ITEM 165 (08)	4824 VHB-G CAPTIVEAIRE	6	6'10''	700 DEG	11	N/A	150	1025			4''	12''	1025		-0.136''	0	430 SS 100%		E ALONE			
100D	INFORMATION		F	FILTER(S)	•	•	•		•	LIGHT(S)	• •						•	UTILITY CABI	NET(S)				
HOOD NO	TAG	TYPE		HEIGHT	LENGTH	EFFICIE MI	ENCY @ 7 CRONS	QTY		TYPE		WIRE GUARD	LOC	ATION	SI	ZE	TYPE	FIRE SYSTEM		ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGIN WEIGH
1	ITEM 108 – L (01)	CAPTRATE SOLO FILTER	10	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO										YES	955 LBS
2	ITEM 108 – R (02)	CAPTRATE SOLO FILTER	11	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO										YES	1074 LBS
3	ITEM 309 (03)	CAPTRATE SOLO FILTER	12	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO	RI	GHT	12''x54	4''x24''	TANK FS	4.0/4.0,	/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1425 LBS
4	ITEM 366 (04)	CAPTRATE SOLO FILTER	7	20''	16''	85% SEE	FILTER SPE	C 3	RECES	SSED ROL	JND	NO	RI	GHT	12''x54	4''x24''	TANK FS	4.0/4	.0	DCV-1011	1 LIGHT 1 FAN	YES	1027 LBS
5	ITEM 401 (05)	CAPTRATE SOLO FILTER	10	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO	RI	GHT	12''x54	4''x24''	TANK FS	4.0/4.0,	/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1391 LBS
6	ITEM 503 (06)	CAPTRATE SOLO FILTER	9	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO	RI	GHT	12''x54	4''x24''	TANK FS	4.0/4.0,	/4.0	DCV-2111	1 LIGHT 1 FAN	YES	1163 LBS
7	ITEM 481 (07)	CAPTRATE SOLO FILTER	11	20''	16''	85% SEE	FILTER SPE	C 4	RECES	SSED ROL	JND	NO		EFT	12''x54	4''x24''	TANK FS	4.0/4.0,	/4.0			YES	1352 LBS
8	ITEM 165 (08)							0														NO	203 LBS
HOOD HOOD NO	<u>OPTIONS</u> TAG ITEM 108 - L (01)	LEFT END STANDOFF (FI BALANCE DAMPERS. INSULATION FOR TOP OF H			WIDE		TION LONG IN:	SULATED.															
I	11LM 100 - L (01)	INSULATION FOR BACK OF SENSOR-CV. LEFT WALL AS END PANE		Э.																			
		BALANCE DAMPERS.	HOOD.																				
2	ITEM 108 - R (02)	RIGHT VERTICAL END PAN SS.			OP WIDTH,	. 21"	BOTTOM WI	DTH, 80	D'' HIGH	INSU	LATED 4	-30											
		SENSOR-CV. LEFT END STANDOFF (FI INSULATION FOR TOP OF F		ED) 1''	WIDE	54''	LONG IN	SULATED.															
3	ITEM 309 (03)	INSULATION FOR BACK OF		Э.																			HOOD
		SENSOR-CV. LEFT WALL AS END PANE INSULATION FOR TOP OF H													LARAN HOODS		SURFACE	ISTIBLES *CL	EARANCE		1/2" – 13 TPI GRADE 5 (MINIMUM) STEEL HEX NUTS.		<u>HANGIN</u> DWARE B
		INSULATION FOR BACK OF	HOOD			011	BUTTON		ייסיון ווכ			30					TOP FRONT		0'' 0''		1/2" GRADE 5 (MINIMUM) STEEL ¬ FLAT WASHER.		
4	ITEM 366 (04)	RIGHT VERTICAL END PAN SS. LEFT VERTICAL END PANE			P WIDTH,		BOTTOM WI		D'' HIGH		LATED 4				1		BACK LEFT		0'' 0''		1/2" – 13 TPI GRADE 5 (MINIMUM)		
		SENSOR-CV.		_, 101		<u> </u>											RIGHT		18''		STEEL ALL-THREAD. 1/2" – 13 TPI GRADE 5 (MINIMUM)		
		INSULATION FOR TOP OF H INSULATION FOR BACK OF	HOOD														TOP FRONT		0'' 0''		STEEL HEX NUT. 1/2" GRADE 5 (MINIMUM) STEEL ¬ FLAT WASHER		HOOD CC HANGING (WEIGHT ANCHOR
5	ITEM 401 (05)	RIGHT VERTICAL END PAN SS.			OP WIDTH,		BOTTOM WI				LATED 4				2		BACK LEFT		0'' 18''		ÈLAT WAŚHER.		ANCHOR FOR HOO
		LEFT VERTICAL END PANE SS.	EL 2	27'' TOF	P WIDTH,	21''	BOTTOM WID	TH, 80'	' HIGH	INSUL	ATED 43	30					RIGHT TOP		18'' 0''				1/2" GRA (MINIMUM FLAT WAS
		SENSOR-CV.		ED) 1''	WIDE	54''	LONG IN	SULATED.							7 0 -	,	FRONT		0''				1/2" – GRADE 5 STEEL HE
6	ITEM 503 (06)	INSULATION FOR TOP OF H		Э.											3,6,7		BACK LEFT		0'' 0''			<u>ASSEM</u>	
		SENSOR-CV. LEFT WALL AS END PANE															RIGHT TOP		0'' 0''		HANGING AN GRADE 5 (M		
		RIGHT END STANDOFF (I		,	'' WIDE	54''	LONG I	NSULATED.									FRONT		0''		AND CEILING STEEL FLAT	ANCHOR F	POINTS
7	ITEM 481 (07)	INSULATION FOR BACK OF SENSOR-CV.	HOOE	Ο.											4,5		BACK LEFT		0'' 18''		(MINIMUM) H NUT CONFIG	IEX NUTS A	AS SHOV
I		· · · · · _ · ·											•										· · ·· · · · · ·

- \*0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.

- HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.



**ISTRUCTIONS** 

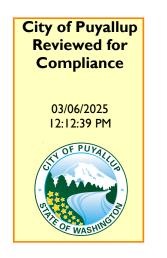
2" – 13 TPI GRADE 5 WN. MUST USE DOUBLED HEX HOOD HANGING ANGLES AND NTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

1/2" – 13 TPI 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHER. 1/2" – 13 TPI 1/2" – 13 TPI

PPORTED WITH 1/2" - 13 TPI HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI EAD. SANDWICH HANGING ANGLES GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES WITH 1/2" GRADE 5 (MINIMUM) AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" – 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

Fire

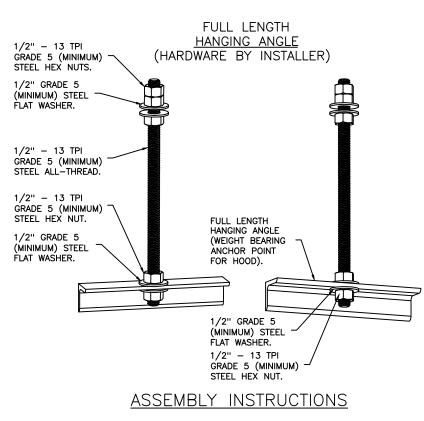
## Separate permits are required for fire suppression systems at Hood/duct.



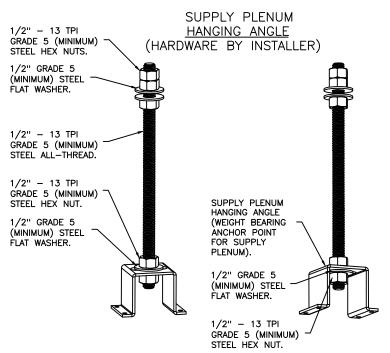
Must be reviewed and approved by the engineer of record.

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.

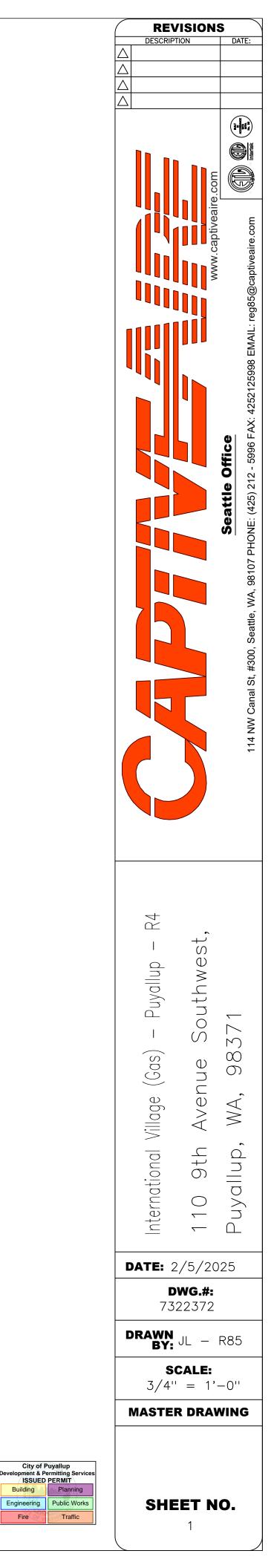
THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. PRINT in COLOR and to SCALE.



HANGING ANGLE MUST BE SUPPORTED WITH 1/2'' - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" – 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



#### ASSEMBLY INSTRUCTIONS



HOOD	1.67			WIDTH			1		I			THE CA
NO	TAG	POS	LENGTH		HEIGHT	TYPE	WIDTH	LENG	DIA CFM	SP		A UNIQ
						MUA MUA	12'' 12''	28'' 28''	792 792	0.234'' 0.234''		TO DEL FILTER
1	ITEM 108 - L (01)	Front	170''	20''	6''	MUA	12''	28''	792	0.234''		2-INCH
						MUA MUA	12'' 12''	28'' 28''	792 671	0.234"		UNITS COMPO
						MUA	12''	28''	671	0.171''		GREASE PARTICI
2	ITEM 108 - R (02)	Front	179''	20''	6''	MUA MUA	12'' 12''	28'' 28''	<u>671</u> 671	0.171"		LARGER
						MUA	12''	28''	671	0.171''		THE CA MANUFA
						MUA MUA	12'' 12''	28'' 28''	893 893	0.292"		EFFICIEN
3	ITEM 309 (03)	Front	204''	20''	6''	MUA	12''	28''	893	0.292''		
						MUA MUA	12'' 12''	28'' 24''	<u> </u>	0.292" 0.183"		80 -
4	ITEM 366 (04)	Front	126''	16''	6''	MUA	12''	24''	641	0.183''		rc≺ (\$
						MUA MUA	12'' 12''	24'' 28''	641 749	0.183" 0.210"		FRACTIONAL EFFICIENCY (%)
5	ITEM 401 (05)	Front	172''	18''	6''	MUA	12"	28''	749	0.210"		49 - P
						MUA MUA	12'' 12''	28'' 28''	749	0.210"		ACTION
						MUA	12"	28''	717	0.194''		Ľ 20 –
6	ITEM 503 (06)	Front	166''	18''	6''	MUA MUA	12'' 12''	28'' 28''	717	0.194'' 0.194''		。
						MUA	12"	28''	717	0.194''		0.1
_			4000	4.011	011	MUA MUA	12'' 12''	28'' 28''	866 866	0.276" 0.276"		CAPTRA
	ITEM 481 (07)	Front	198''	18''	6''	MUA	12"	28''	866	0.276"		NFPA # NSF ST
						MUA	12''	28''	866	0.276''		UL STA INT. ME
	-MOUNT UTILITY		ſ	UT FIRE SYS	TLITY CAE	BINET(S)	ELECT		SWITC		1	ULC-Se
100D NO	LOCATION SIZE		TYPE	<u>INE 313</u>				RICAL			WEIGHT	
			· · · <b>-</b>		SIZE		MODI	EL #	QUAN	ITITY		
						(4.0	MODI	el #	QUAN	ITITY		
	IS LISTED CONNECTION DOES NOT THE MANU PROVIDE F MANUFACTI	JCT G GAU GAU TO U NS S REQ FACTU ATED JRES	ANK FS & CH E DU GE 4 L-19 SEALE UIRE JRES ACC LIST	HIMN JCT 430 978 ED W UNS ESS ING	/4.0/4.0 EY S EQUA STAII AND /ITH _DING STALL DOC MOD	PECIAL T AL T IS 3M F PR ATIO DRS EL '	FICA OCA SSS INSTA FIRE OVID NGU ATE	TION APTIN TEEL ALLE BAF DING UIDE EVER HO	IS: VEAIRE DUCT DUCT ID USII RRIER IT HAS Y CHA RIZONT	SYST Work NG ''V 2000 S BEE NGE IAL R	K. MOE /'' CLAN PLUS. EN INST IN DIRE UNS LE	)EL IP L MC ALLE CTIO
	GREASE D PROVIDE G ROUND 20 IS LISTED CONNECTIO DOES NOT THE MANU PROVIDE F	JCT of GREAS GAU TO U ONS S REQ FACTU ATED JRES HORIZ ULD	ANK FS & CH E DU GE 2 L— 19 SEALE UIRE JRES ACC LIST ZONT BE S	HIMN JCT 430 978 ED W UNS ESS ING AL F SLOP	/4.0/4.0 EY S EQUA STAII AND /ITH _DING STALL DOC MOD RUNS	PEC AL T NLES IS 3M F PR ATIO DRS EL ' MO S M	FICA O CA SS S INSTA FIRE OVID N GI AT E 'DW'' RE	TION APTIN TEEL ALLE BAF DING UIDE EVER HO THAN AS	IS: VEAIRE DUCT DUCT ID USII RRIER IT HAS Y CHA RIZONT	SYST WORK NG ''V 2000 S BEE NGE AL R	EMS MO (. MOE /'' CLAN PLUS. EN INST IN DIRE UNS LE	)EL ' IP L( MC ALLE CTIO SS 1 SLOP
	GREASE D PROVIDE G ROUND 20 IS LISTED CONNECTIO DOES NOT THE MANU PROVIDE F MANUFACTION PER 12'', DUCT SHO	JCT G REAS GAU TO U NS S REQ FACTU ATED JRES HORIZ ULD TION CT O T LIS MODE	ANK FS E DL GE 2 L-19 SEALE UIRE JRES ACC LIST ZONT BE S IN F R CF TED L ''D	HIMN JCT 430 978 ED W INS ESS ING AL F SLOP HORIZ HIMN DOU W-	/4.0/4.0 EY S EQUA STAII AND /ITH DING TALL DOC MOD RUNS ED A ZONT, EY IS BLE 2R,	PEC AL T AL T AL S JN S PR ATIO DRS EL ' MO S MI AL F S WI 2R	FICA O CA SS S INSTA FIRE OVID N GU AT E OVID N GU AT E UCH RUNS THIN L GE TYPE	TION APTIN TEEL ALLE BAF DING UIDE EVER HO THAN AS 5. 18 REAS	IS: VEAIRE DUCT DUCT DUCT COUSIN RIZONT NCHA INCHE SE DUC , 3R,	SYST WORK NG ''V 2000 S BEE NGE AL R T. CA IBLE S OF CT OR OR 3	EMS MO (. MOE /'' CLAN PLUS. EN INST IN DIRE UNS LE N BE S TO RED TO RED COMBL COMBL Z'' ROU	DEL ' IP L( MC ALLE CTIOI SLOP UCE JSTIE LE W, ND 2
	GREASE D PROVIDE G ROUND 20 IS LISTED CONNECTIO DOES NOT THE MANU PROVIDE F MANUFACTO PER 12'', DUCT SHO ACCUMULA IF THE DU UL-103 H SYSTEMS I	JCT of REAS GAU TO U DNS S REQ FACTU ATED JRES HORIZ ULD TION CT O T LIS MODE JLATEI	ANK FS ANK FS ANK FS ACC CALE UIRE JRES ACC LIST ZONT BE S IN H R C TED L ''D D WI EMS		/4.0/4.0 EY S EQUA STAIN AND /ITH DING TALL DOC MOD RUNS ED A ZONT, EY IS BLE 2R, 24 DMME	PECIAL T NLES IS 3M F PR ATIO DRS EL ' MO S MI AL F S WI AL F S WI 2R GAL 2R GAL	FICA O CA S S INSTA FIRE OVID N GU AT E OVID N GU AT E UCH CUNS THIN L GE TYPE JGE	TION APTIN TEEL ALLE BAF DING UIDE EVER HO THAN AS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18	IS: VEAIRE DUCT DUCT DUCT COUSIN RIZONT NCHA NCHA NCHA SE DUC SE OF	SYST WORK NG ''V 2000 S BEE NGE AL R T. CA IBLE S OF T OR OR 3 LESS	EMS MO (. MOE /'' CLAW PLUS. EN INST IN DIRE UNS LE N BE S TO RED COMBL COMBL Z'' ROU OUTER	DEL ' IP L( MC ALLE CTIOI SS T SLOP UCE JSTIE LE W, ND 2 SHE H
CALIS	GREASE D PROVIDE G ROUND 20 IS LISTED CONNECTIO DOES NOT THE MANU PROVIDE F MANUFACTO PER 12'', DUCT SHO ACCUMULA IF THE DU UL-103 H SYSTEMS I DUCT INSU	JCT of REAS GAU TO U NS S REQ FACTU ATED JRES HORIZ ULD TION CT O T LIS MODE JLATEI SYSTE FABRI REDUC	ANK FS ANK FS ANK FS ACC C	IIMN JCT 430 978 ED W INS ED W INS ESS ING AL F SLOP IORIZ HIMN DOU W- TH A TH A REC( D R( TATIC	/4.0/4.0 EY S EQUA STAIN AND /ITH DING TALL DOC MOD RUNS ED A ZONT, EY IS BLE 2R, A 24 DMME DMME DUNE C PR ATION	PEC AL T AL T AL S IS 3M ATIO DRS EL ' MO AL F AL F S WI AL F S WI 2R CAL 2R CAL 2R CAL 2R CAL 2R CAL 2R CAL	FICA O CA S S INSTA FIRE OVID N GI AT E OVID N GI AT E UCH CUNS THIN L GE TYPE JGE S TH CEASE JRE D IN	TION APTIN TEEL ALLE BAF DING UIDE EVER HO THAN AS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS	IS: /EAIRE DUCT DUCT DUCT IDUSII RRIER ITHAS RIZONT NCHE SEOF (HAUST THE CTION	SYST WORK NG ''V 2000 S BEE NGE FAL R T. CA IBLE S OF CT OR OR 3 LESS	EMS MO (. MOE /'' CLAN PLUS. EN INST IN DIRE UNS LE N BE S TO RED TO RED COMBL COMBL Z'' ROU	DEL ' IP L( MC ALLE CTIOI SS T SLOP UCE JSTIE JSTIE LE W, ND 2 SHE HN VELO
CALIS	GREASE D PROVIDE G ROUND 20 IS LISTED CONNECTIO DOES NOT THE MANU PROVIDE F MANUFACTO PER 12'', DUCT SHO ACCUMULA IF THE DU UL-103 H SYSTEMS I DUCT INSU	JCT of REAS GAU TO U NS S REQ FACTU ATED JRES HORIZ ULD TION CT O T LIS MODE JLATEI SYSTE FABRI REDUC	ANK FS ANK FS ANK FS ACC C	I IMN JCT 430 978 ED W INS ED W INS ESS ING AL F SLOP IORIZ HIMN DOU W- TH A TH A COU W- TH A COU TATIO	/4.0/4.0 EY S EQUA STAIN AND /ITH _DING TALL DOC MOD RUNS ED A ZONT, EY IS BLE 2R, A 24 DMME DUNE C PR ATION ICT I	PEC AL T NLES IS 3M PR ATIO DRS EL ' MO AL F S WI 2R S WI 2R S WI 2R CAL 2R S WI 2R S WI S LI	FICA O CA S S INSTA FIRE OVID N GI AT E OVID N GI AT E UCH CUNS THIN L GE TYPE JGE S TH CUNS S TH CUNS CUNS CUNS CUNS CUNS CUNS CUNS CUNS	TION APTIN TEEL ALLE BAF DING UIDE EVER HO THAN AS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS 5. 18 REAS	IS: /EAIRE DUCT DUCT DUCT IDUSII RRIER ITHAS RIZONT NCHE SEOF (HAUST THE CTION	SYST WORK NG ''V 2000 S BEE NGE FAL R T. CA IBLE S OF CT OR OR 3 LESS	EMS MO (. MOE /'' CLAN PLUS. EN INST IN DIRE UNS LE N BE S TO RED TO RED COMBU Z'' ROU DOUBU Z'' ROU OUTER HIGH N SHOULD	PEL ' IP L( MC ALLE CTIO SS T SLOP UCE JSTIE LE W ND 2 SHE HN VELO NO EXH

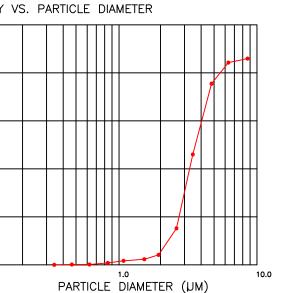
## FICATION: CAPTRATE GREASE-STOP SOLO FILTER

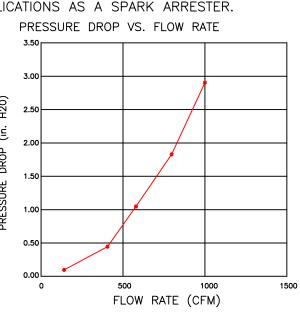
PTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING IE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, VER EXCEPTIONAL FILTRATION EFFICIENCY.

S STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD DEEP HOOD CHANNEL(S).

HALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO ENTS WHEN ASSEMBLED.

EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE IS FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE. TRATE GREASE—STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519—05. CTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.





FILTERS ARE BUILT IN COMPLIANCE WITH:.

NDARD #2. NARD #1046. H. CODE (IMC).



"DW" OW" OEL "DW" O PER I AND EVERY 12' ON CENTER. PER HAN 75 FT. CAN BE SLOPED 1/16" ID 3/16" PER 12". THE CHANCE OF GREASE LE MATERIAL, PROVIDE UL-2221 OR

LE MATERIAL, PROVIDE UL-2221 OR LL CHIMNEY EQUAL TO CAPTIVEAIRE O GAUGE 430 STAINLESS INNER L.

# AC DISTRIBUTION NOTE

TY DIFFUSERS OR HVAC RETURNS BE PLACED WITHIN TEN (10) FEET AUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

# APPROVAL TO MANUFACTURE:

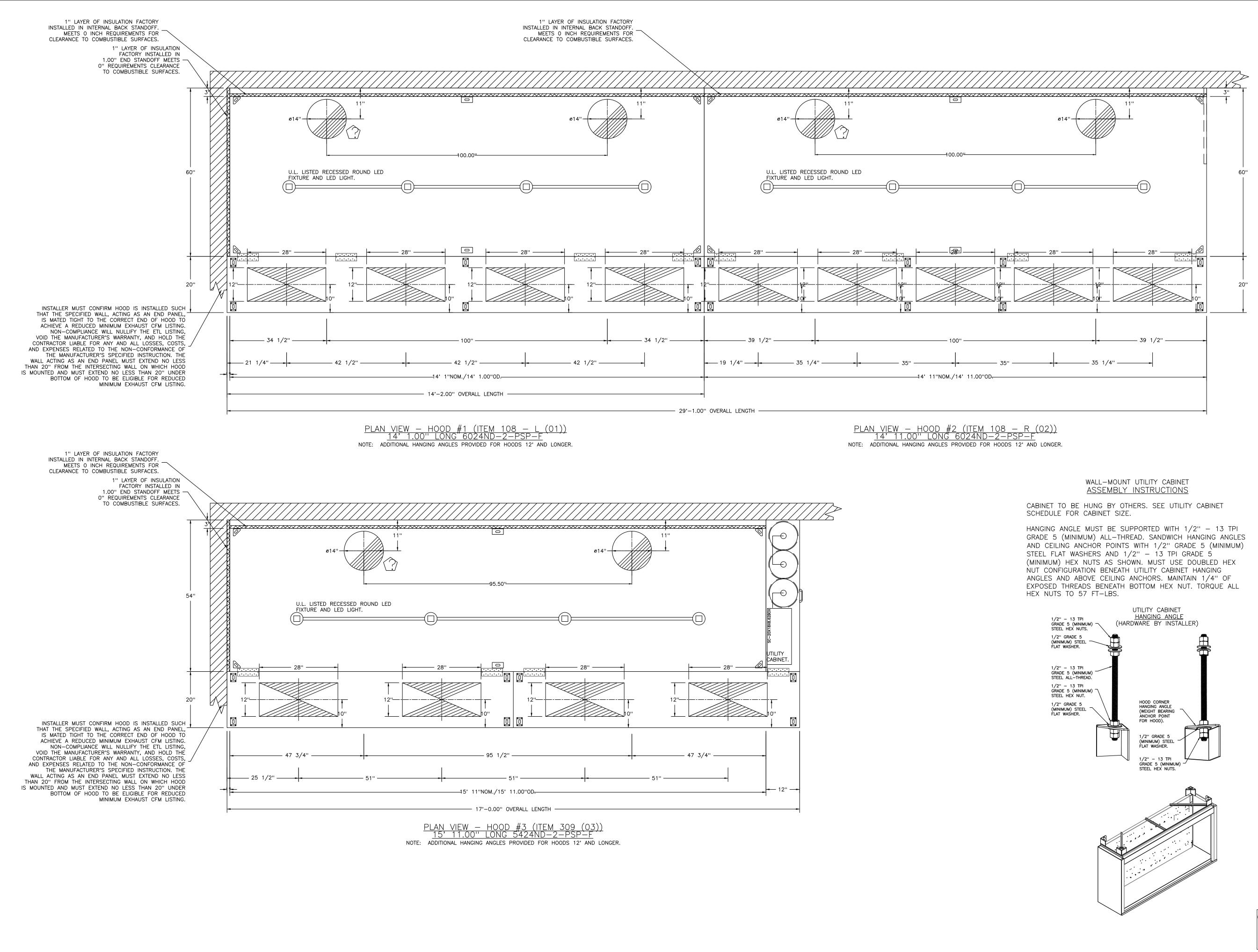
N TAKEN

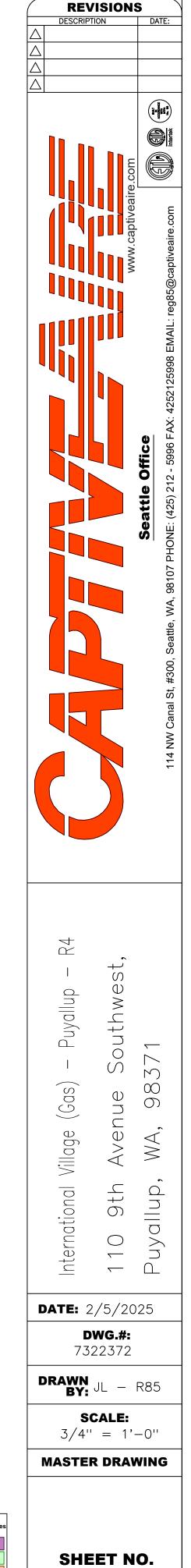
### PATENT NUMBERS

AC–PSP (UNITED STATES) – US PATENT 7963830 B2. AC–PSP WALL (CANADA) – CA PATENT 2820509. AC–PSP ISLAND (CANADA) – CA PATENT 2520330.

$\square$	REVISION	
$\triangle$	DESCRIPTION	DATE:
$\bigtriangleup$		
	Www.captiveaire.com	Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Com
	International Village (Gas) - Puyallup - R4 110 9th Avenue Southwest,	Puyallup, WA, 98371
D	<b>ATE:</b> 2/5/20	25
	<b>DWG.#:</b> 7322372	
	BY: JL -	R85
	<b>SCALE:</b> 3/4" = 1'-	-0''
1	MASTER DRAV	VING
	SHEET N 2	ο.

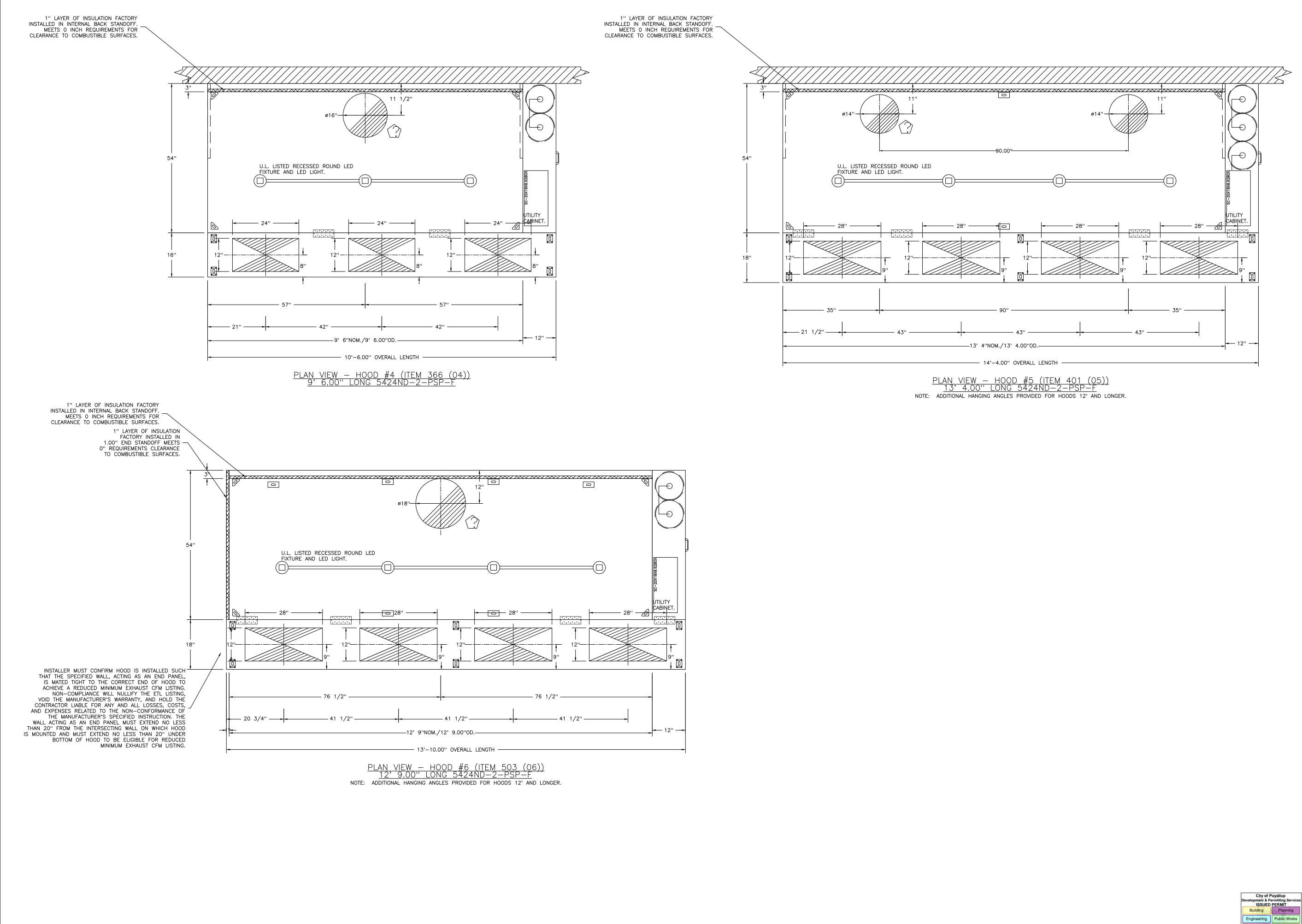


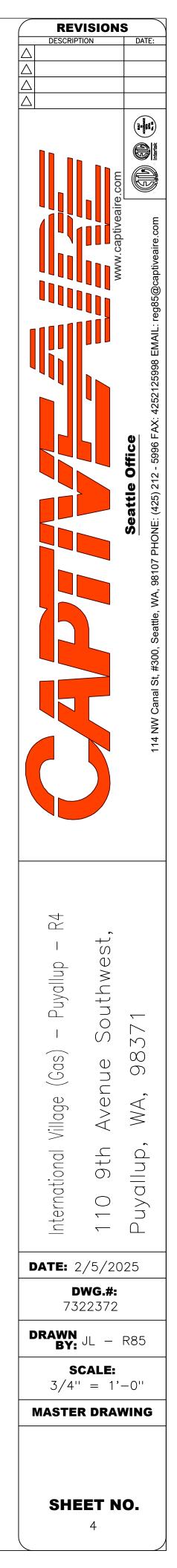




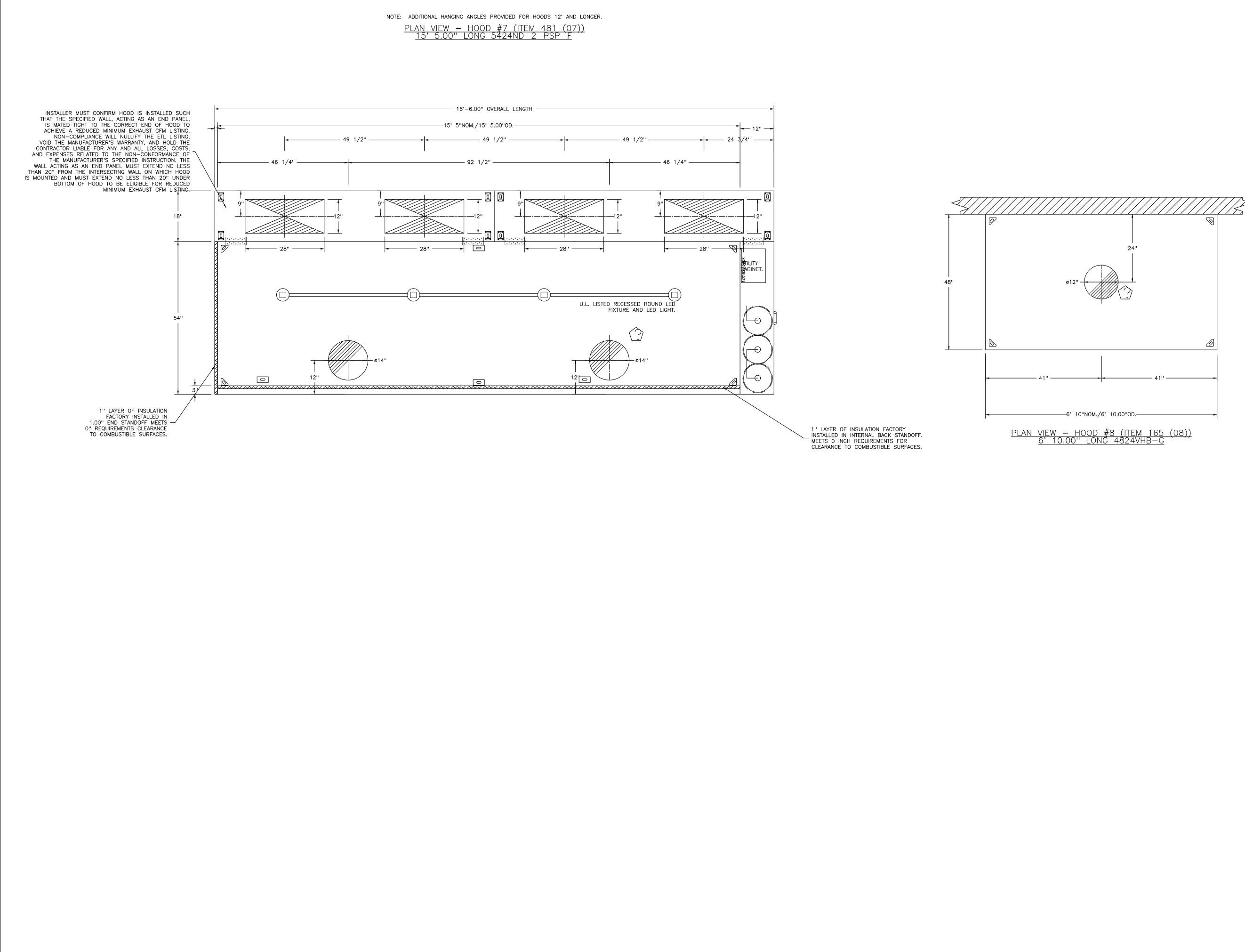
City of Puyallup elopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

-3

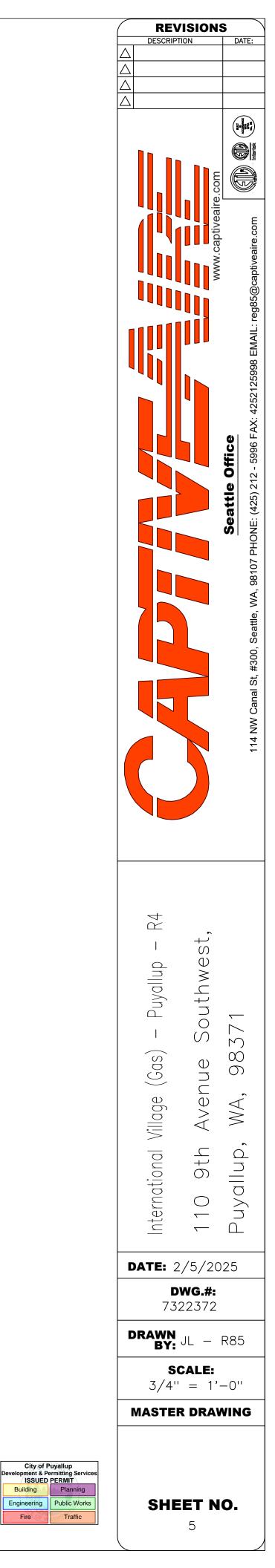


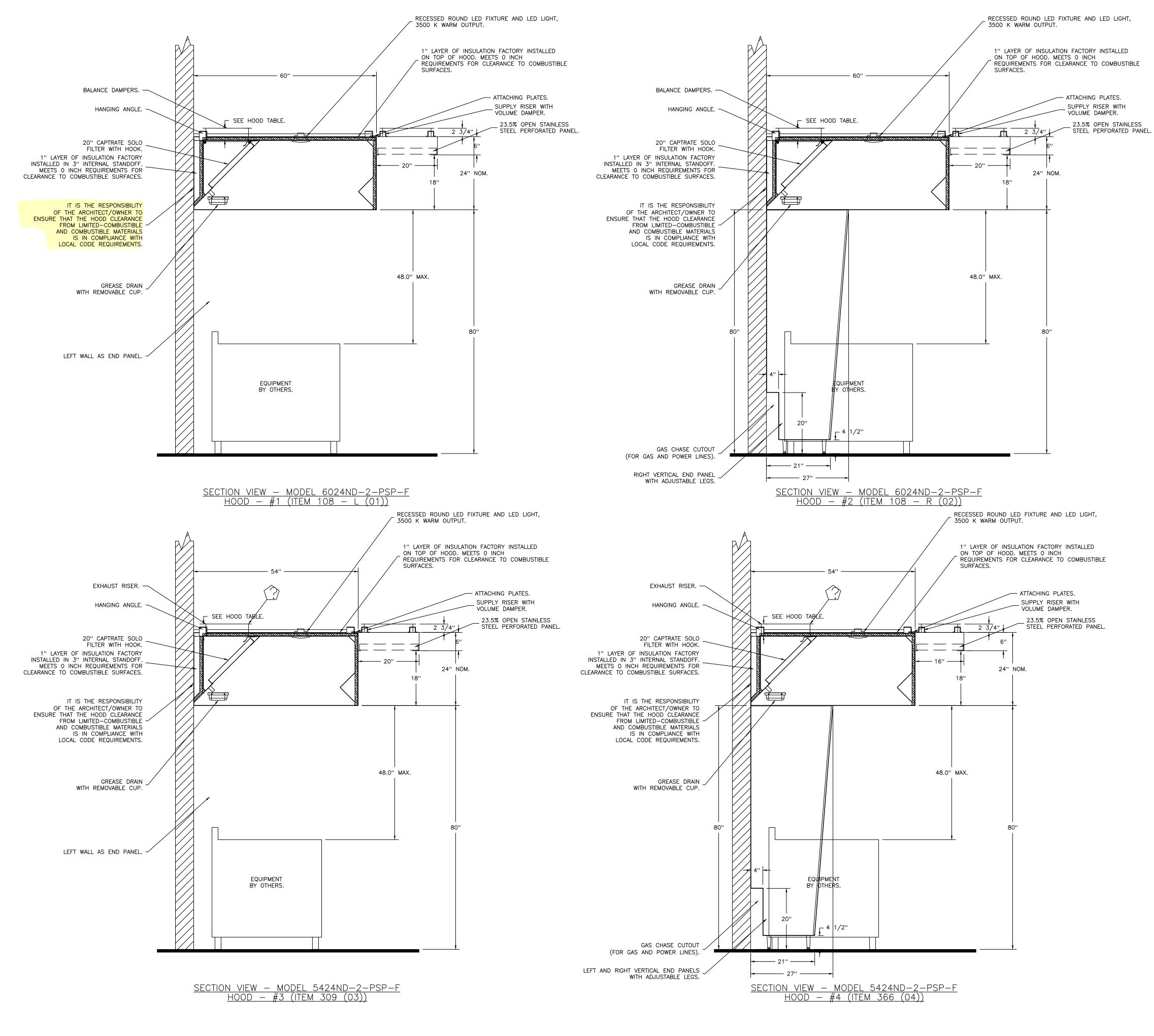


Fire



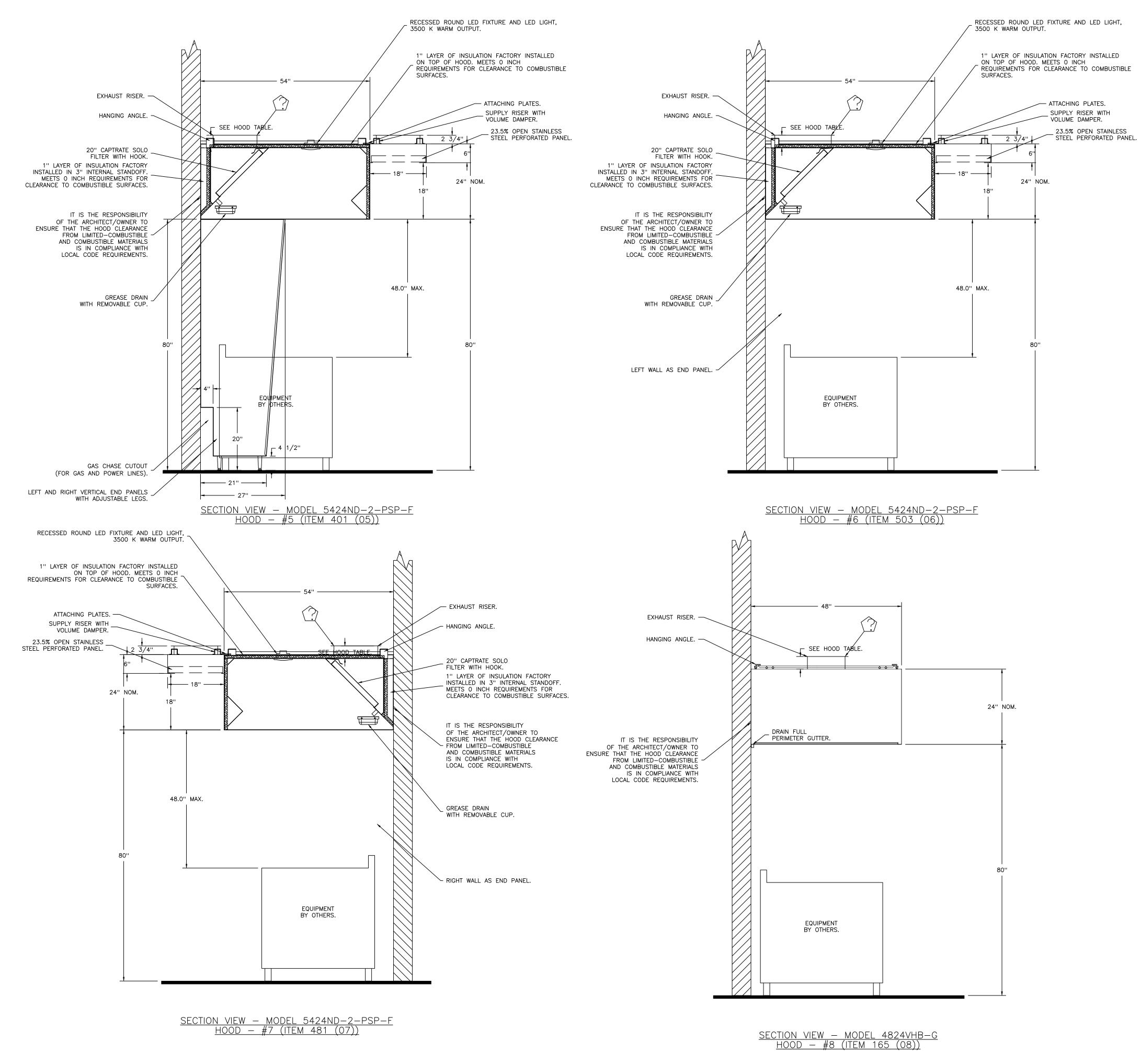
GLES PROVIDED FOR HOODS 12' AND LONGER.
<u>00D #7 (ITEM 481 (07))</u> NG 5424ND-2-PSP-F
<u>NG 5424ND-2-PSP-F</u>





REVISION	B DATE:
$\begin{array}{c} \bigtriangleup \\ \bigtriangleup \\ \land \end{array}$	
	(Janet C.
ww.captiveaire.com	Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         ()))
Hernational Village (Gas) - Puyallup - R4 DATE: 5/20 DMC.#: 2325322	
DRAWN BY: JL -	R85
<b>SCALE:</b> 3/4" = 1'-	
MASTER DRAV	

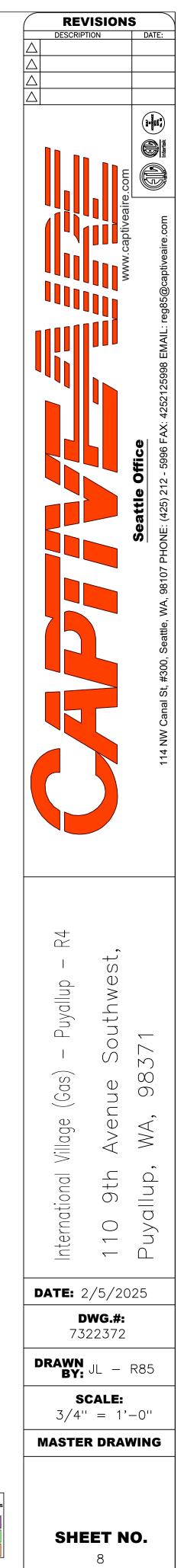
City of Puyallup lopment & Permitting Services Building Planning Engineering Public Works Fire



$\square$	REVISION	
$\triangle$	DESCRIPTION	DATE:
$\bigtriangleup$		
		Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Complete State St
	International Village (Gas) – Puyallup – R4 110 9th Avenue Southwest,	Puyallup, WA, 98371
C	<b>ATE:</b> 2/5/20	25
	<b>DWG.#:</b> 7322372	
	BY: JL -	R85
	<b>SCALE:</b> 3/4" = 1'-	-0''
	MASTER DRAV	VING
	SHEET N 7	<b>0.</b>



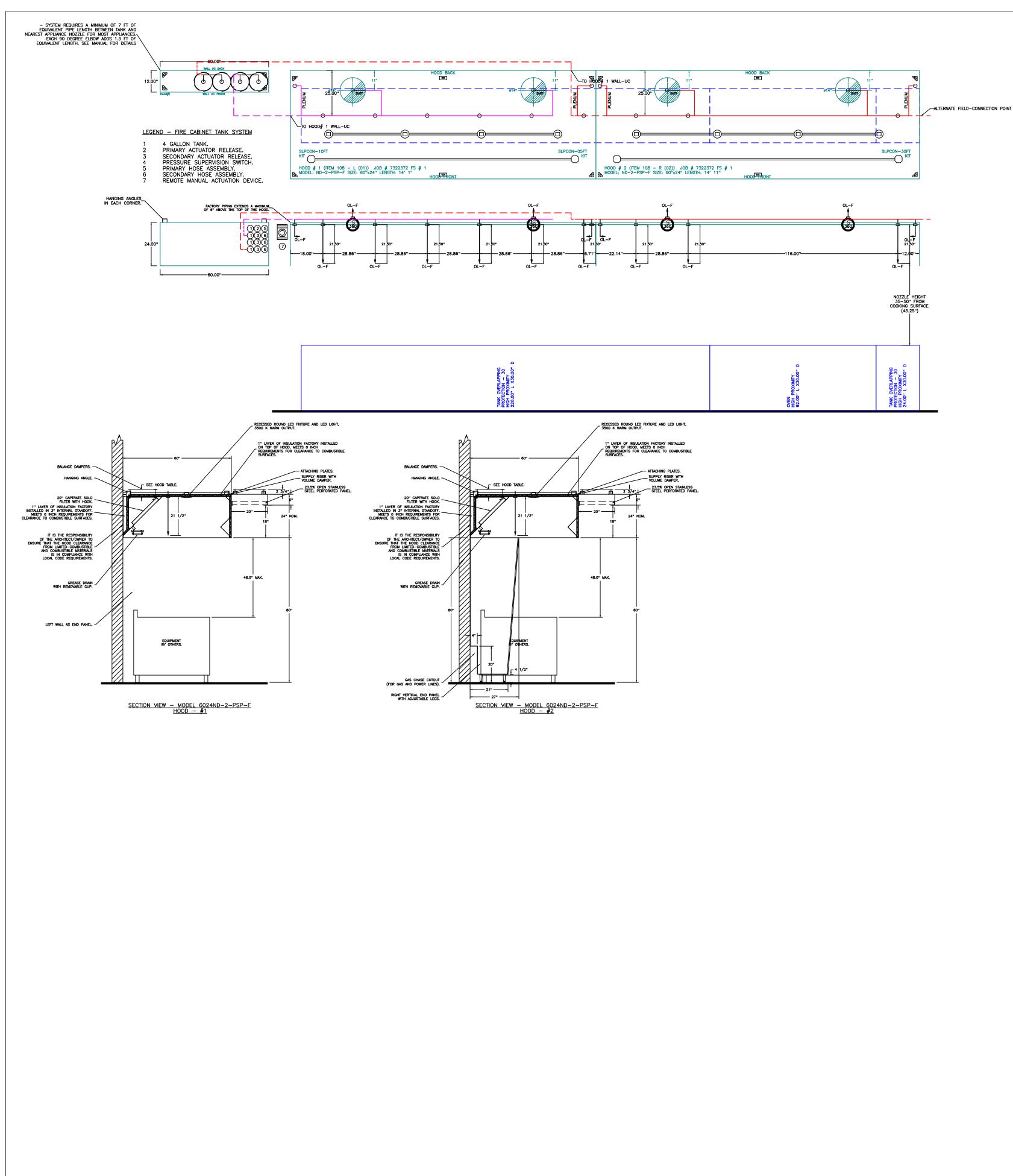
E EM TAG	<u>10N – JOB#73223</u>  	SIZE	MAX FP	DESIGN -	INSTALLAT	ION						
				FP	SYSTEM		N ON HOOD					
ITEM 110 – FS ITEM 314 – FS	TANK FS TANK FS	4.0/4.0/4.0 4.0/4.0/4.0	<u> </u>	77 51	WALL UTILITY CABINET LEFT FIRE CABINET RIGHT		N/A , HOOD 3	-				
ITEM 366 – FS	TANK FS	4.0/4.0	40	28	FIRE CABINET RIGHT	RIGHT	, HOOD 4					
ITEM 403-FS	TANK FS	4.0/4.0/4.0 4.0/4.0/4.0	60 60	46	FIRE CABINET RIGHT		, HOOD 5 , HOOD 7	-				
ITEM 505/484 FS	TANK FS	4.0/4.0	40	83 -	FIRE CABINET RIGHT		, HOOD 6					
VALVE(S) Re												
TEM TAG	TYPE	SIZE SUPPLIED BY	,									
ITEM 110 - FS	SC ELECTRICAL	2.000 CAPTIVEAIRE SYS	TEMS									
2 ITEM 314 – FS		2.000 CAPTIVEAIRE SYS										
5 ITEM 366 – FS	SC ELECTRICAL	2.000 CAPTIVEAIRE SYS	IEMS									
ITEM 403-FS	SC ELECTRICAL	2.000 CAPTIVEAIRE SYS	TEMS									
5 ITEM 505/484 FS	S SC ELECTRICAL	2.000 CAPTIVEAIRE SYS	TEMS									
5 ITEM 505/484 FS	S SC ELECTRICAL	2.000 CAPTIVEAIRE SYS	TEMS									
SYSTEM PARTS LI	 ST_KFY_1											
RE TAG		KEY NUMBER –	PART DESCRIP	ION		QTY BY FACTORY	QTY BY DIST	FIRE SYSTEM	TAG	KEY NUMBER – PART DESCRIPTION	QTY BY	
0	0     0	UPPRESSION MAINTENANCE GUIE	DE UTILITY CABIN	IET LABEL SI	HEET.	FACTORY		NO		0 – 0 – 32–00002 QUIK SEAL – 1/2'' (UL).	FACTORY 2	_
	0 – 0 – TANK FIRE S	UPPRESSION POST-DISCHARGE	PROCEDURE UT	LITY CABINET	LABEL SHEET.	1	0	-		0 – 0 – 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	
	0 – 0 – 12–F28021–J CLOSE ON TEMP RISE A	2144-OT-360 DUCT FIRE THEF 360°F. (A0034310).	RMOSIAL WITH 1	2 FOOT WIRE	LEADS. NO,	4	0			0 – 0 – 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	
	0 - 0 - 32 - 00002 QU 0 - 0 - 361091 3/8''	, , , , ,				4	0			0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA. 0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	2	
	, ,	2" MALE NPT TO 1/2" FEMALE	NPT ELBOW, B	RASS.		4	0	-		0 – 0 – 87–120042–001 SECONDARY ACTUATOR VALVE (SVA) – SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	+
	,					2	0	_		0 – 0 – 87–120045–001 HOSE, SECONDARY ACTUATOR HOSE, 7.5'' BRAIDED STAINLESS STEEL,	2	-
	,	NPT FEMALE TO 1/2" MALE PR		R		2	0	_		TANK FIRE SUPPRESSION. 0 – 0 – 87–300001–001 TANK – PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.		-
	,	0 PRO-PRESS ELBOW WITH 1			N, VIEGA.	2	0	_		0 – 0 – 87–300030–001 PRIMARY ACTUATOR KIT (PAK) – ACTUATOR AND RELEASE SOLENOID	1	+
	0 - 0 - 79580 1/2"	( 1/2" PRO-PRESS TEE X 1/2	2" NDT FFMALF		VIEGA	1	0	_		ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVIŠED, TANK FIRE SUPPRESSION. 0 – 0 – 87–300033–001 DIN CONNECTOR, CANFIELD PART #5J560–201–EU0A, TANK FIRE SUPPRESSION,	1	+
						-	0	-		SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).		
		01 SECONDARY ACTUATOR VALV				3	0	_		0 – 0 – 87–300152–001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	_
	TANK FIRE SUPPRESSION				·	3	0	_		0 – 0 – 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	14	
		01 TANK – PRESSURIZED TANK 01 PRIMARY ACTUATOR KIT (PA				4	0	_		0 – 0 – 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD. 0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16'' ZINC, TANK	9	
	ASSEMBLY, ONE NEEDED	PER FIRE SYSTEM, SUPERVISED 01 DIN CONNECTOR, CANFIELD	), TANK FIRE SU	JPPRESSION.		1	0	_		FIRE SUPPRESSION.		_
		CONNECTION (CED VENDOR 303		201 2004, 1	ANN TINE SOFT RESSION,	1	0	_		0 – 0 – A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	
	0 - 0 - 87-300152-0	01 HARDWARE, SVA BOLTS, TAN	IK FIRE SUPPRE	SSION.		16	0			0 – 0 – A31484 1/4'' NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4'' FLARE X 1/4'' MPT HALF UNION. USED ON TANK SERVICE PORT.	2	
		RO PRESS 1/2 PRESS X PRES		).		13	0	_		0 – 0 – BI145 3/8'' BLACK IRON 90 ELL. 0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION	4	_
		RO PRESS PC611 1/2 PRESS				16	0	_		IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	
IIEM 110 - FS	0 – 0 – 98694A115 H FIRE SUPPRESSION.	ARDWARE, DATANKLOCK LOCKING	BRACKET SQU	ARE NUTS 5,	/16'' ZINC, TANK	8	0			0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	9	
	0 – 0 – A0034332 JU	NCTION BOX FOR MANUAL PULL	STATION. 1.5"	DEEP BACK	BOX, RED COLOR.	1	0			0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	
	0 – 0 – A31484 1/4'' MPT HALF UNION. USED	NPT SCHRADER VALVE AND CA	P, JB INDUSTRIE	S. 1/4" FLA	ARE X 1/4"	2	0	_		0 – 0 – WK–283952–000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	
	0 - 0 - BI145 3/8" E	LACK IRON 90 ELL.				8	0	_		16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	11	+
	0 – 0 – DATANKLOCK IN UTILITY CABINETS, TAM	DISCHARGE ADAPTER TANK LOCK K FIRE SUPPRESSION.	ING PLATE FOR	FIRE SYSTEI	M TANK INSTALLATION	4	0			16 – 16 – OL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	11	
	CONNECT THE SUPERVISI	SUPERVISED LOOP CONNECTION D LOOP BETWEEN END TO END ACK MG WIRE, 7 FEET OF TAN TORS	HOODS WITH I	ESS THAN A	4' GAP. KIT	1	0			26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	11	
	0 – 0 – SLPCON–10FT CONNECT THE SUPERVISI TO BACK HOODS. KIT CO	SUPERVISED LOOP CONNECTION D LOOP BETWEEN END TO END NTAINS 12 FEET OF BLACK MG JIT, AND TWO 7/8'' CONNECTOF	HOODS WITH I WIRE, 12 FEET	ESS THAN A	9' GAP OR BACK	1	0			34 – 34 – A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	
	CONNECT THE SUPERVISI	SUPERVISED LOOP CONNECTION D LOOP BETWEEN HOODS WITH FEET OF TAN MG WIRE, 30 F	UPTO 29' GAP	. KIT CONTAI	NS 32 FEET	1	0			0 – 0 – TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	
		ANK STRAP – USED FOR TANK RACKET TANK BRACKET FOR FIR PPRESSION.			N IN UTILITY	12 4	0	-		0 – 0 – TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET. 0 – 0 – 12–F28021–32144–OT–360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	
		000 DISCHARGE ADAPTER, TANK ' X 3/8'' NPT MALE ADAPTER,		SION.		4	0	_		0 – 0 – 32–00002 QUIK SEAL – 1/2" (UL). 0 – 0 – 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	1	$\overline{+}$
	16 – 16 – OL-F NOZZ	LE – TANK PROTECTION APPLIA	NCE COVERAGE	NOZZLE (INC	CLUDES METAL	17	0	 	   ITFM 366 - 59	0 - 0 - 4429 K153 1/2''  MALE NPT TO 1/2'' FEMALE NPT ELBOW, BRASS. $0 - 0 - 4429 \text{K}422 1/2'' \times 1/4'' BRASS REDUCING BUSHING.$		+
	BLOW OFF CAP, LANYARI 26 – 26 – QSA-3/8 (	USED WITH CHROME-PLATED UIK SEAL - 3/8'' (UL).	PIPE).			17	0	-		0 - 0 - 79525 1/2 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.		
	34 - 34 - A0034331	24VDC SINGLE ACTION MANUAL ONE (1) NORMALLY OPEN COI			JLL STATION)	1	0	1		$0 - 0 - 79580 1/2" \times 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.$	2	+
		UPPRESSION POST-DISCHARGE			LABEL SHEET	1	0	-		0 – 0 – 87–120042–001 SECONDARY ACTUATOR VALVE (SVA) – SINGLE ACTUATOR, REQUIRES	1	+
		UPPRESSION MAINTENANCE GUIE						-		PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION. 0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL,		+
			AL			1 1	0	1		· · · · · · · · · · · · · · · · · · ·	1 1	





YSTEM TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST	FIRE SYSTEM	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	
	0 – 0 – 87–300030–001 PRIMARY ACTUATOR KIT (PAK) – ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0			0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	9	1
	0 – 0 – 87–300033–001 DIN CONNECTOR, CANFIELD PART #5J560–201–EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0			0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	
	0 – 0 – 87–300152–001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0	_		0 – 0 – WK–283952–000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	
	0 – 0 – 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	6	0	-		16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	10	
	0 – 0 – 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	5	0			16 – 16 – OL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	10	
	0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16'' ZINC, TANK FIRE SUPPRESSION.	4	0	-		26 – 26 – QSA–3/8 QUIK SEAL – 3/8" (UL).	10	
	0 – 0 – A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0	-		34 – 34 – A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	
	0 – 0 – A31484 1/4'' NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4'' FLARE X 1/4'' MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0			0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	+
NUE)	0 - 0 - BI145 3/8" BLACK IRON 90 ELL.	2	0	_		0 – 0 – TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	+
	0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION		0	_		0 - 0 - 12 - F28021 - 32144 - 0T - 360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO,	I	+
	IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0			CLOSE ON TEMP RISE AT 360°F. (A0034310).	3	
	0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	6	0			0 - 0 - 32-00002 QUIK SEAL - 1/2" (UL).	3	
	0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0			0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	5	
	0 – 0 – WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0			0 – 0 – 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	3	+
	16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	6	0			0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	3	
	16 – 16 – OL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	6	0			0 – 0 – 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	5	
	26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	6	0			0 – 0 – 87–120042–001 SECONDARY ACTUATOR VALVE (SVA) – SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	3	
	34 – 34 – A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0			0 – 0 – 87–120045–001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	3	
	0 – 0 – TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0			0 – 0 – 87–300001–001 TANK – PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	5	+
	0 – 0 – TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0			0 – 0 – 87–300030–001 PRIMARY ACTUATOR KIT (PAK) – ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	2	
	0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	2	0	-		0 – 0 – 87–300033–001 DIN CONNECTOR, CANFIELD PART #5J560–201–EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	2	+
	0 – 0 – 32–00002 QUIK SEAL – 1/2" (UL).	2	0	_		0 – 0 – 87–300152–001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	20	+
	0 – 0 – 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0	_		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	21	+
	0 – 0 – 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0			0 – 0 – 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	15	+
	0 – 0 – 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0			0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	10	
	0 – 0 – 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	3	0	- 5	ITEM 505/484 FS	0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	2	+
	0 – 0 – 87–120042–001 SECONDARY ACTUATOR VALVE (SVA) – SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0	_		0 – 0 – A31484 1/4'' NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4'' FLARE X 1/4'' MPT HALF UNION. USED ON TANK SERVICE PORT.	3	T
	0 – 0 – 87–120045–001 HOSE, SECONDARY ACTUATOR HOSE, 7.5'' BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0			0 – 0 – BI145 3/8" BLACK IRON 90 ELL.	7	+
	0 – 0 – 87–300001–001 TANK – PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0	_		0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	5	
ITEM 403-FS	0 – 0 – 87–300030–001 PRIMARY ACTUATOR KIT (PAK) – ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0			0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	
	0 – 0 – 87–300033–001 DIN CONNECTOR, CANFIELD PART #5J560–201–EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0			0 – 0 – SLPCON-15FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 14' GAP OR BACK TO BACK HOODS. KIT CONTAINS 17 FEET OF BLACK MG WIRE, 17 FEET OF TAN MG WIRE, 15 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	
	0 – 0 – 87–300152–001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0			0 – 0 – TANK STRAP TANK STRAP – USED FOR TANK FIRE SUPPRESSION.	15	+
	0 – 0 – 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	14	0			0 – 0 – TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	5	T
	0 – 0 – 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	8	0	_		0 – 0 – WK–283952–000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	5	-
	0 – 0 – 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16'' ZINC, TANK FIRE SUPPRESSION.	6	0	-		16 – 16 – 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	18	
	0 – 0 – A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0			16 – 16 – OL-F NOZZLE – TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	18	$\uparrow$
	0 – 0 – A31484 1/4'' NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4'' FLARE X 1/4'' MPT HALF UNION. USED ON TANK SERVICE PORT.					26 - 26 - QSA - 3/8 QUIK SEAL - 3/8" (UL).	18	+
	0 - 0 - BI145 3/8" BLACK IRON 90 ELL.	4	0	-		34 – 34 – A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	2	+
	0 – 0 – DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION						I	

		www.captiveaire.com	Seattle Office	114 NW Canal St. #300. Seattle. WA. 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
			attle Office	2 - 5996 FAX· 4252125998 EMAII · ren85@car
			Se	114 NW Canal St #300 Seattle WA 98107 PHONE: (425) 21
International Village (Gas) – Puyallup – R4	110 9th Avenue Southwest		Puvallup. WA. 98371	
T 73 Rawn BY: S	2/5/ DWG.; 22237 JL - CALE	20. #: 72 - f	785	,
	ATE: S ATE: ATE	dnllode (Cas) - Dnollage (Cas) - Dnollage (Cas) - Dnollage (Cas) - Dwg. 732237 RAWN JL - SCALE 3/4" = ASTER DR	dnllde (Gas) - Dnyallage (Gas) - Dwg.#: 7322372 Dwg.#: 7322372 RAWN JL - F SCALE: 3/4" = 1'-	dullage (Gas) - Puyallup TE: 5/2052 DMC: DMC: MA. 98371 Same Same MA. 98371 MA. 98371 MA. 98371



# NOTES FIELD PIPE DROPS AS SHOWN PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS. FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD—INSTALLED. SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD—INSTALLED. RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC. OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION. IF APPLICABLE, EXTENDED PRE—PIPED DROPS ARE SHIPPED LOOSE. FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD. - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE. - THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS. – OL-F NOZZLE PART NUMBER REPLACES 3070–3/8H–10–SS JOB #: 7322372. JOB NAME: INTERNATIONAL VILLAGE (GAS) — PUYALLUP — R4. SYSTEM SIZE: TANK-SP-4-WC DESIGN FP: 77. MAXIMUM FP: 80. SYSTEM SIZE: TANK-SP-4-WC DESIGN FP: 77. MAXIMUM HOOD # 1 14' 1.00" LONG x 60" WIDE x 24" HIGH. RISER # 1 SIZE: 14" DIA. RISER # 2 SIZE: 14" DIA. HOOD # 1 METAL BLOW-OFF CAPS INCLUDED. HOOD # 2 14' 11.00" LONG x 60" WIDE x 24" HIGH. RISER # 1 SIZE: 14" DIA. RISER # 2 SIZE: 14" DIA. HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
 MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS						
PIPE SECTION	MAX PIPE LENGTH (FT)					
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42					
OVERLAPPING NOZZLE APPLIANCE BRANCH	10					
DEDICATED NOZZLE APPLIANCE BRANCH	10					

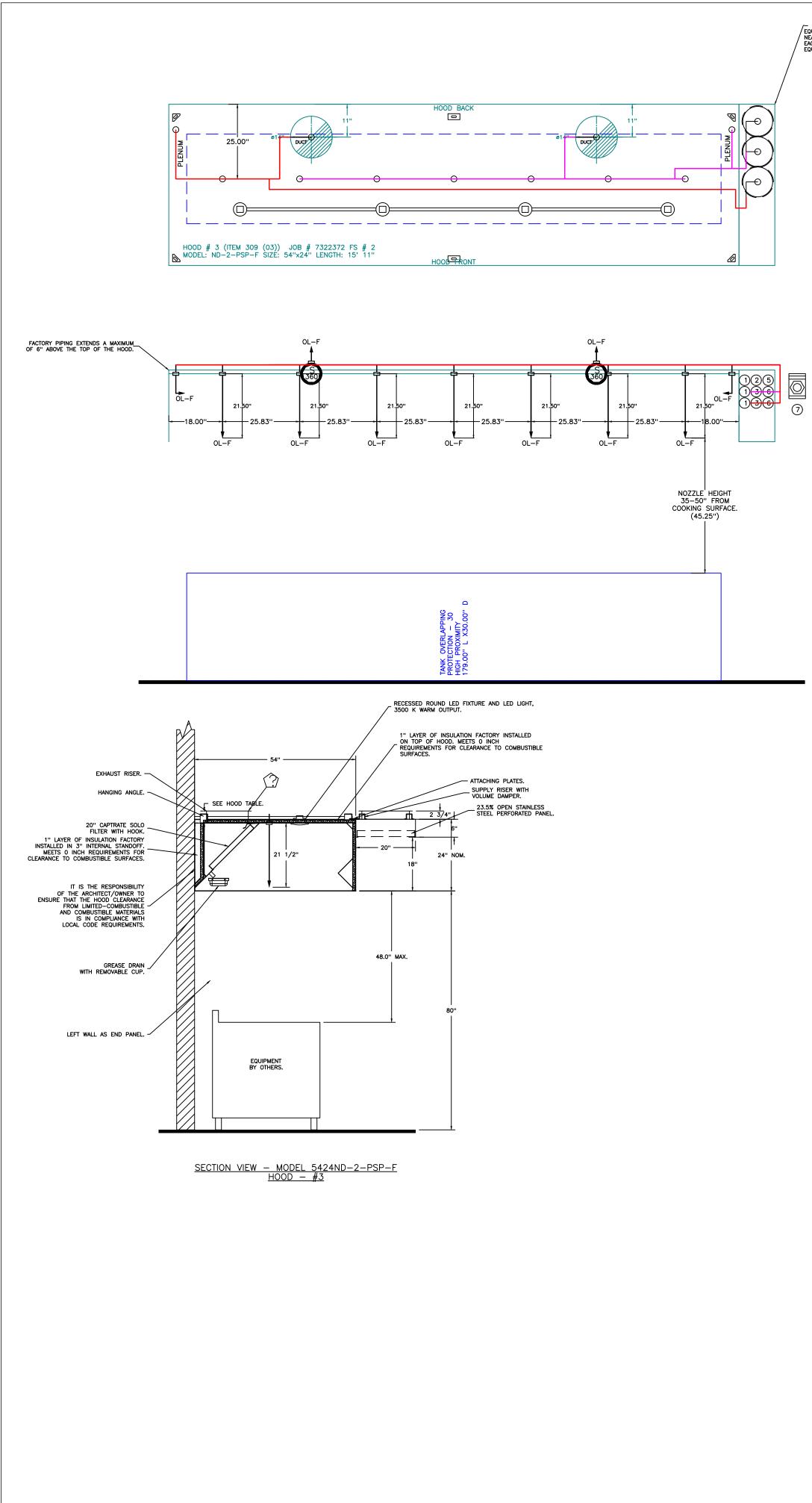
	IONS
	DATE:
	Seattle Office         114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	Puyallup, WA, 98371
DATE: 2/5 DWC 73223	5.#:
DRAWN BY: JL	– R85
<b>SCA</b> 3/8'' =	
MASTER D	
SHEE <sup>-</sup> 10	

City of Puyallup ISSUED PERMI

 Building
 Planning

 Engineering
 Public Works

 Fire
 Traffic



# - SYSTEM REQUIRES A MINIMUM OF 7 FT OF / EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR MOST APPLIANCES. EACH 90 DEGREE ELBOW ADDS 1.3 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS

- NOTES
  FIELD PIPE DROPS AS SHOWN PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
  FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD—INSTALLED.
  SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD—INSTALLED.
  RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
  OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
  IF APPLICABLE, EXTENDED PRE—PIPED DROPS ARE SHIPPED LOOSE.
  FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- OL-F NOZZLE PART NUMBER REPLACES 3070–3/8H–10–SS

JOB #: 7322372. JOB NAME: INTERNATIONAL VILLAGE (GAS) — PUYALLUP — R4.

- SYSTEM SIZE: TANK-SP-3 DESIGN FP: 51. MAXIMUM FP: 60.
- HOOD # 3 15' 11.00" LONG x 54" WIDE x 24" HIGH. RISER # 1 SIZE: 14" DIA. RISER # 2 SIZE: 14" DIA. HOOD # 3 METAL BLOW-OFF CAPS INCLUDED.

– HEAVY–DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY

HORIZONTAL RUNS OVER 25 FT IN LENGTH. - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITA	TIONS
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

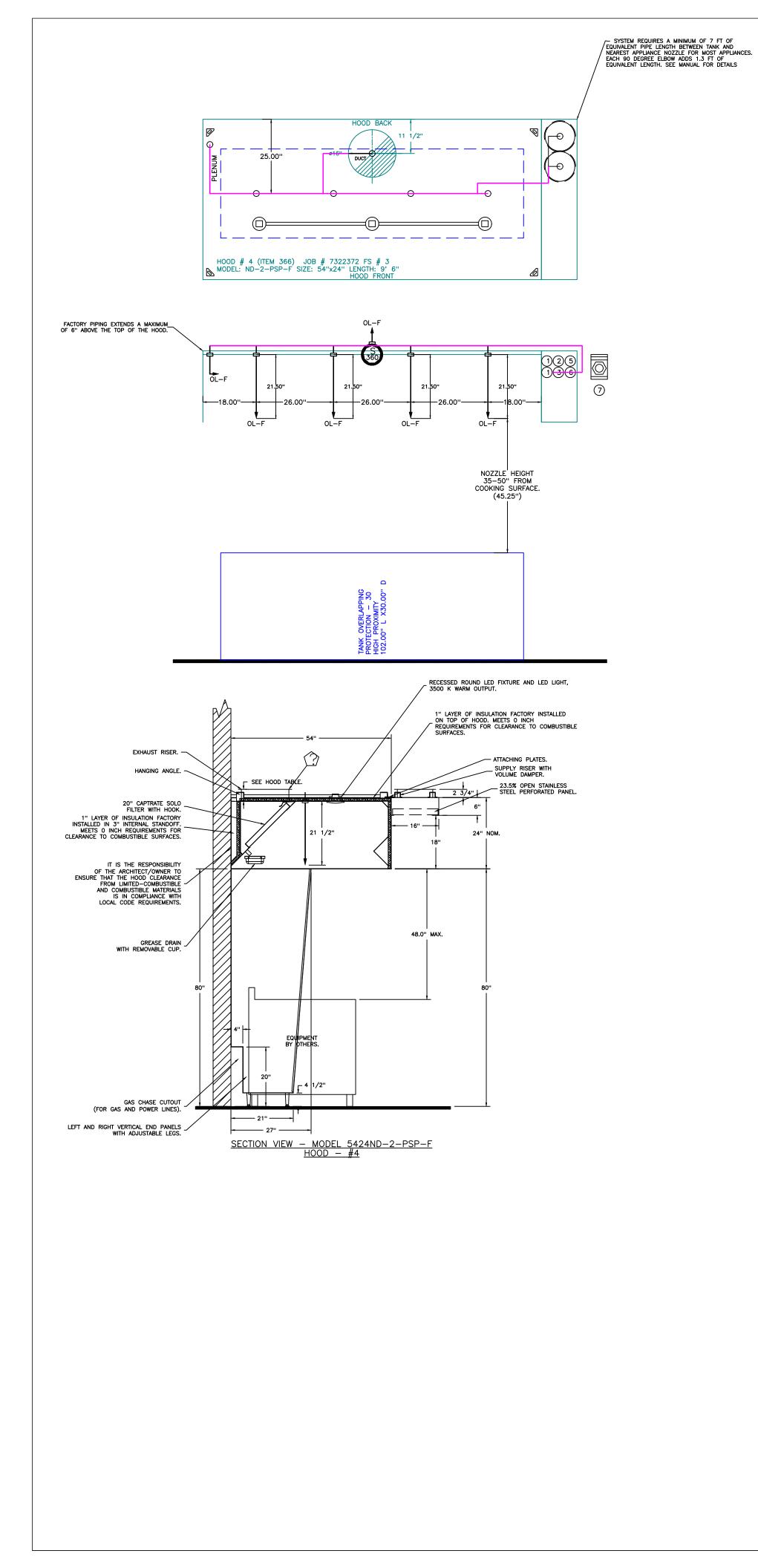
<u>LEGEND – FIRE CABINET TANK SYSTEM</u>

- 4 GALLON TANK. 1 PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH. PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTUATION DEVICE.

	REV	ISION	5
$\triangle$	DESCRIPT	ION	DATE:
$\triangle$			
		www.captiveaire.com	Seattle Office         Image: Mail - 100
			Seattle Office 114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996
	International Village (Gas) – Puyallup – R4	110 9th Avenue Southwest,	Puyallup, WA, 98371
D	<b>THET INTERNATIONAL VILLAGE (Gas) – Puyallup –</b>	/5/20	
	– dnllade (Gas) – Puyallup – ATE: 2 732	/5/20 W <b>G.#:</b> 22372	25
	– dnllage (Gas) – Puyallup ALE: 5 232 RAMN BX:	/5/20 WG.#: 22372 JL –	25
	<ul> <li>– dnllage (Gas) – Puyallup</li> <li>ALE: 5</li> <li>ALE: 5</li> <li>ALE: 5</li> </ul>	/5/20 W <b>G.#:</b> 22372	25 R85
D	<ul> <li>– dnllage (Gas) – Puyallup</li> <li>ALE: 5</li> <li>ALE: 5</li> <li>ALE: 5</li> </ul>	/5/20 WG.#: 22372 JL – CALE: = 1'-	25 R85 -0''
D	<ul> <li>– dnllage (Gas) – Dnyallup</li> <li>ATE: 2</li> <li>ATE: 2</li> <li>DX</li> <li>T/2"</li> </ul>	/5/20 WG.#: 22372 JL – CALE: = 1'-	25 R85 -0''
D	<ul> <li>– dn lpha</li> <li>– dn lpha</li> <li>– Local Constraints</li> <li>– Local</li></ul>	/5/20 WG.#: 22372 JL – CALE: = 1'-	25 R85 -0'' <b>VING</b>

City of Puyallup elopment & Permitting Servic /ISSUED PERMIT

BuildingPlanningEngineeringPublic Works Fire Traffic



- NOTES

  FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.

  FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD—INSTALLED.
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- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7322372. JOB NAME: INTERNATIONAL VILLAGE (GAS) — PUYALLUP — R4.

SYSTEM SIZE: TANK-SP-2 DESIGN FP: 28. MAXIMUM FP: 40. HOOD # 4 9' 6.00'' LONG x 54'' WIDE x 24'' HIGH. RISER # 1 SIZE: 16'' DIA. HOOD # 4 METAL BLOW-OFF CAPS INCLUDED.

# - HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY

HORIZONTAL RUNS OVER 25 FT IN LENGTH. - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS							
PIPE SECTION	MAX PIPE LENGTH (FT)						
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42						
OVERLAPPING NOZZLE APPLIANCE BRANCH	10						
DEDICATED NOZZLE APPLIANCE BRANCH	10						

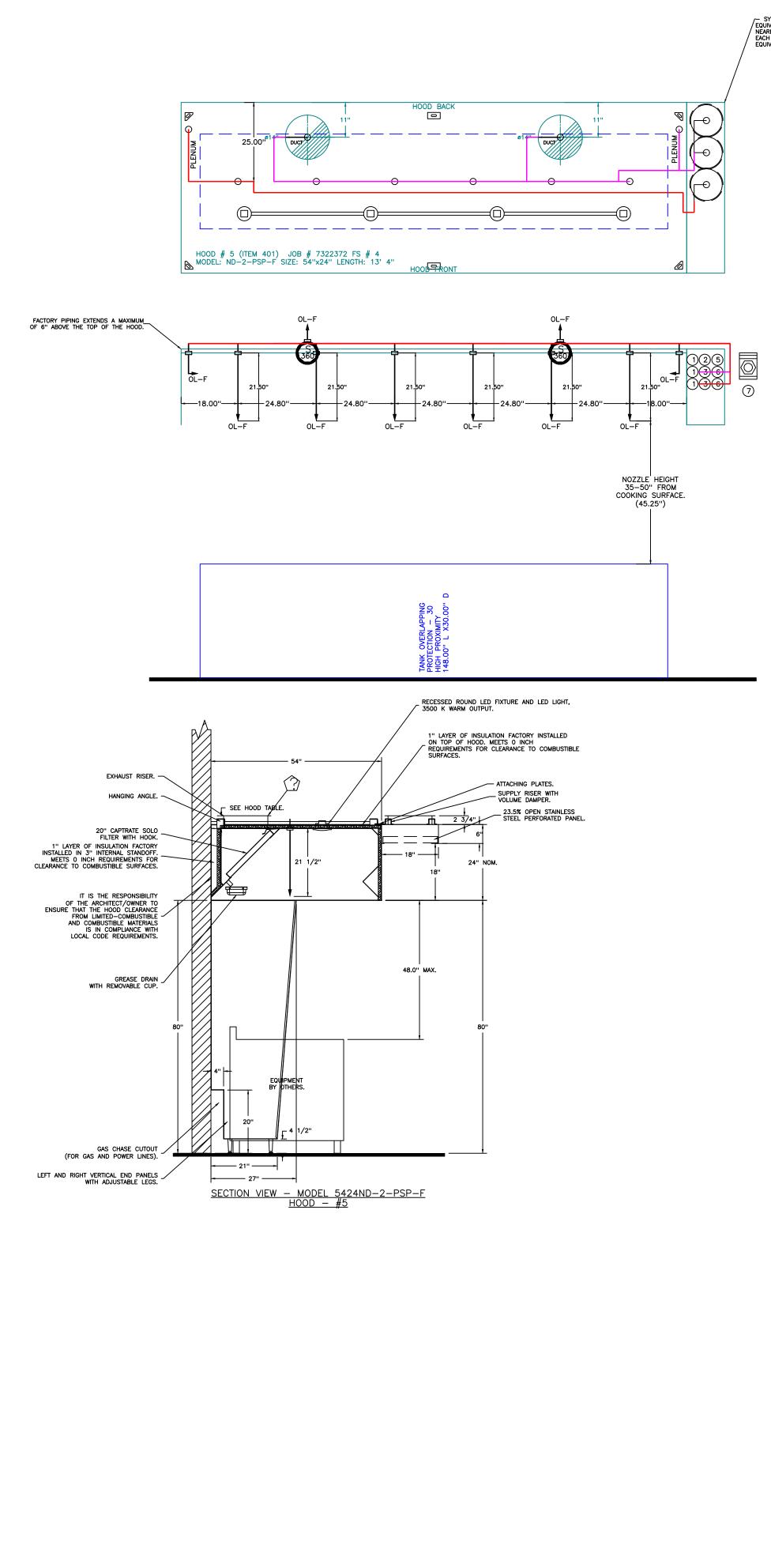
<u>LEGEND – FIRE CABINET TANK SYSTEM</u>

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE. SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH. PRIMARY HOSE ASSEMBLY.
- 5 SECONDARY HOSE ASSEMBLY.
- 7 REMOTE MANUAL ACTUATION DEVICE.

	<b>REVISION</b> DESCRIPTION	IS DATE:
$\triangle$		
$\triangle$		
		www.captiveaire.com <b>Seattle Office</b> 114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	International Village (Gas) – Puyallup – R4 110 9th Avenue Southwest,	Puyallup, WA, 98371
D	<b>ATE:</b> 2/5/2	025
	<b>DWG.#</b> : 7322372	
DI	RAWN BY: JL -	R85
	<b>SCALE:</b> 1/2" = 1	
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	<b>SHEET N</b> 12	10.

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Engineering Public Works Fire Traffic



- NOTES

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- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7322372. JOB NAME: INTERNATIONAL VILLAGE (GAS) — PUYALLUP — R4.

SYSTEM SIZE: TANK-SP-3 DESIGN FP: 46. MAXIMUM FP: 60. HOOD # 5 13' 4.00'' LONG x 54'' WIDE x 24'' HIGH. RISER # 1 SIZE: 14'' DIA. RISER # 2 SIZE: 14'' DIA. HOOD # 5 METAL BLOW-OFF CAPS INCLUDED.

HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY

HORIZONTAL RUNS OVER 25 FT IN LENGTH.

- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS								
PIPE SECTION	MAX PIPE LENGTH (FT)							
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42							
OVERLAPPING NOZZLE APPLIANCE BRANCH	10							
DEDICATED NOZZLE APPLIANCE BRANCH	10							
LEGEND – FIRE CABINET TANK SYSTEM								

4 GALLON TANK.

PRIMARY ACTUATOR RELEASE.

SECONDARY ACTUATOR RELEASE. PRESSURE SUPERVISION SWITCH.

PRIMARY HOSE ASSEMBLY. -5 SECONDARY HOSE ASSEMBLY.

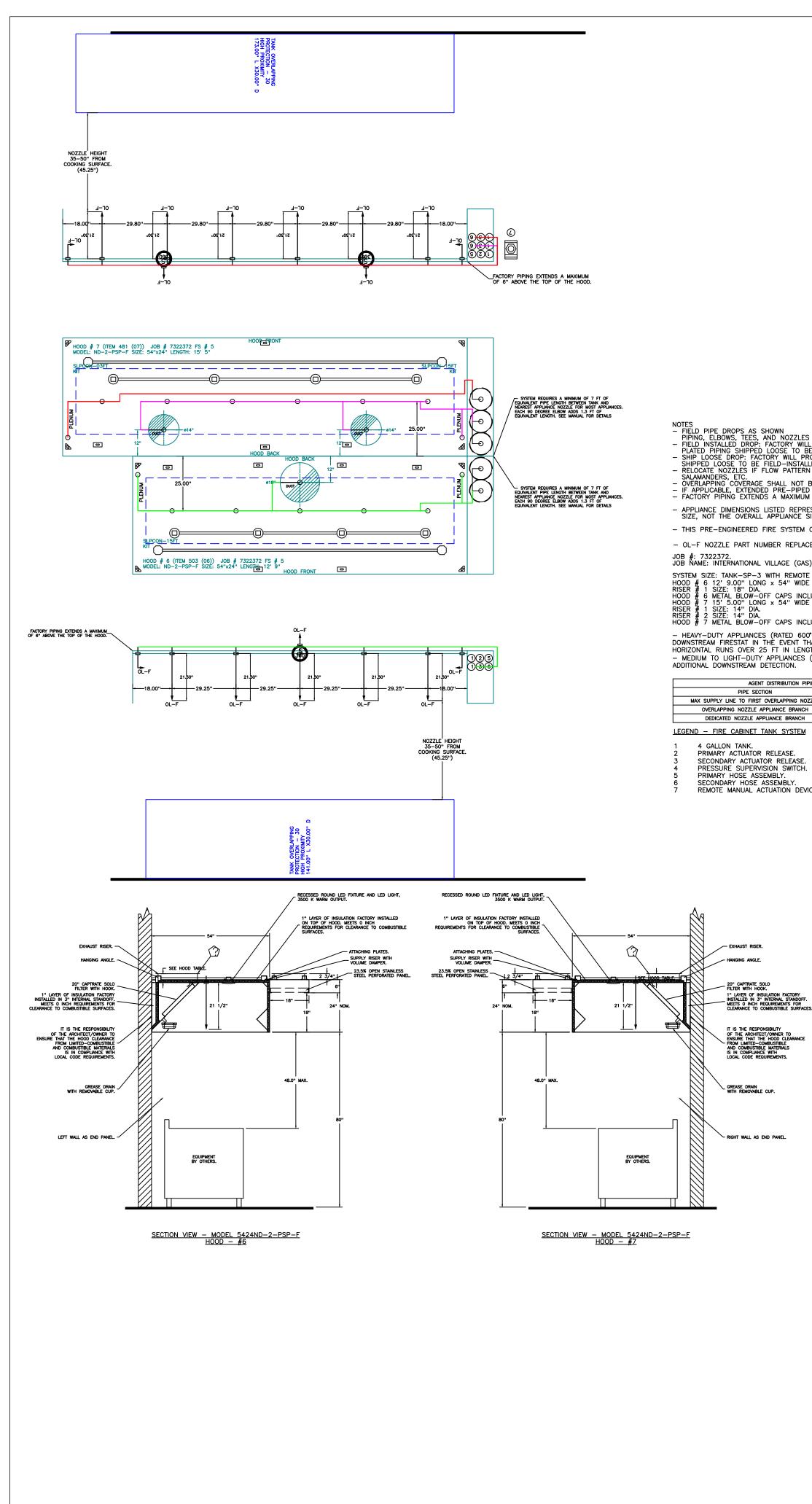
REMOTE MANUAL ACTUATION DEVICE.

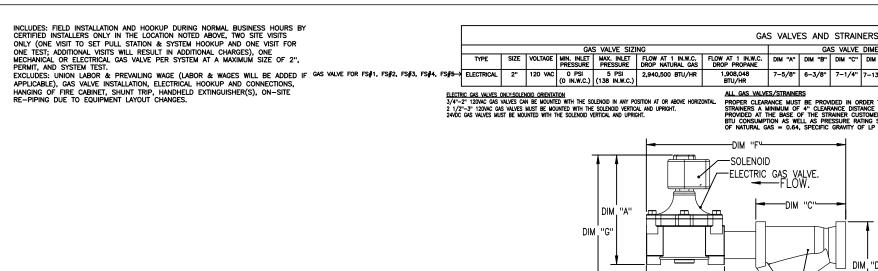
	<b>REVISION</b> DESCRIPTION	IS DATE:							
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		Seattle Office       Seattle Office         114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com       Image: Capitiveaire.com							
	International Village (Gas) – Puyallup – R4 110 9th Avenue Southwest,	Puyallup, WA, 98371							
D	ATE: 2/5/2	025							
DATE: 2/5/2025 DWG.#: 7322372									
DI	7322372 DRAWN BY: JL - R85								
	<b>SCALE:</b> 1/2" = 1	'-0''							
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	<b>SHEET N</b> 13	10.							

City of Puyallup lopment & Permitting Servi

Engineering Public Works Fire

Building





NOTES
FIELD PIPE DROPS AS SHOWN PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
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- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS. - OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7322372. JOB NAME: INTERNATIONAL VILLAGE (GAS) – PUYALLUP – R4.

SUST NAME: INTERNATIONAL VILLAGE (GAS) = POTALLOP = R4. SYSTEM SIZE: TANK-SP-3 WITH REMOTE TANK-SP-2 DESIGN FP: 83. MAXIMUM FP: 100. HOOD # 6 12' 9.00" LONG x 54" WIDE x 24" HIGH. RISER # 1 SIZE: 18" DIA. HOOD # 6 METAL BLOW-OFF CAPS INCLUDED. HOOD # 7 15' 5.00" LONG x 54" WIDE x 24" HIGH. RISER # 1 SIZE: 14" DIA. RISER # 2 SIZE: 14" DIA. HOOD # 7 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH. - MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS						
PE SECTION	MAX PIPE LENGTH (FT)					
D FIRST OVERLAPPING NOZZLE	42					
DZZLE APPLIANCE BRANCH	10					
ZZLE APPLIANCE BRANCH	10					
INET TANK SYSTEM						
NK						

SECONDARY HOSE ASSEMBLY. REMOTE MANUAL ACTUATION DEVICE.

20" CAPTRATE SOLO FILTER WITH HOOK, 1" LAYER OF INSULATION FACTORY INSTALLED IN 3" INTERNAL STANDOFF. MEETS O INCH REQUIREMENTS FOR CLEARANCE TO COMBUSTIBLE SURFACES.

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEA FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

GREASE DRAIN WITH REMOVABLE CUP.

RIGHT WALL AS END PANEL.

RAINERS									
ALVE	DIMENSIC	DNS		INSTALLATION		PART NUMBERS	5		
I "C"	DIM "D"	DIM "F	DIM "G"	PIPE ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINE		
1/4"	7-13-16	15-5/8	13-15/166	RIZONTAL/VERTIC	AL 8214280	4417K68	(SC)EGVA2		
CALCULATIONS           IN ORDER TO SERVICE THE DISTANCE MUST BE CUSTOMER MUST VERIFY RE CASTING SPECIFIC GRAVITY TO CLUCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY NEW BTU/HR = (STU/HR at 0.64) X0.64 / NEW SPECIFIC GRAVITY <sup>0.5</sup> .									

ESTRAINER.

DIM "B"

4" MIN.

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	e.com	Interest Contraction
	www.captiveaire.com	ecaptiveaire.com
		<b>Ce</b> 96 FAX: 42521259
		Seattle Offic 114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 599
		Se 98107 PHONE
		00, Seattle, WA,
		<i>N</i> Canal St, #30
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llup – R4	Iwest,	114
– Puyallup –	Southwest,	
– Puyallup –	Venue Southwest,	
– Puyallup –	3th Avenue Southwest,	
I	0 /	Puyallup, WA, 98371
International Village (Gas) - Puyallup -	110 9th Avenue Southwest,	Puyallup, WA, 98371
- International Village (Gas) - Puyallup -		Puyallup, WA, 98371
- International Village (Gas) - Puyallup -	2/5/20 <b>DWG.#:</b> 322372	Puyallup, WA, 98371
– dnllage (Gas) – Puyallup	2/5/20 <b>DWG.#:</b> 7322372	Puyallup, WA, 98371
- dnllage (Gas) - Puyallup 2/2	2/5/20 DWG.#: 322372 NJL – SCALE:	-0"
- dnllage (Gas) - Puyallup	2/5/20 DWG.#: '322372 NJL - SCALE: 8'' = 1'	-0"
- dn lp(nd - (Cas) - Dn/allage (Cas) - Du/allage (Cas) - 2/3 MAST	2/5/20 DWG.#: '322372 NJL - SCALE: 8'' = 1'	25 R85 -0''

City of Puyallup Jopment & Permitting Servi /ISSUED PERMIT Building Plannin

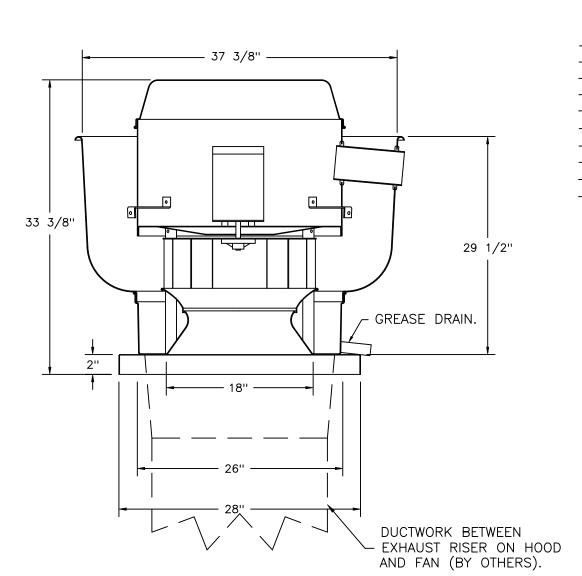
Engineering Public Works Fire Traffic

AN NIT NO	TAG Q	TY	FAN	UNIT MOD	DEL #	MANUFA	CTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA		SCHARG ELOCITY		WEIGHT (LBS)	SO
	KEF-111 (01)	1		DU180HFA	4	CAPTIN	/EAIRE	3521	1.780	1467	ODP, PREMIUM	3.000	2.2660	3	208	9.5	8	13 FPN	1	185	24
2	KEF-111.1 (02)	1		DU200HFA	۹	CAPTIN	/EAIRE	3729	1.740	1328	ODP, PREMIUM	5.000	2.4170	3	208	15.0	9	07 FPN	1	215	2
	(02) KEF-310 (03)	1		DU240HFA		CAPTIN	/EAIRE	3979	2.100	1015	TEFC,PREMIUM		2.8840		208	15.6	9	04 FPN	1	363	
	KEF-382 (04)	1		DU85HFA		CAPTIN		2138	1.360	1608	TEAO-ECM		0.7510		115	11.6		77 FPN		94	1
	KEF-398 (05)	1		DU180HFA		CAPTIN		3333	1.220	1295	TEFC,PREMIUM		1.5610		208	7.3		70 FPN		213	2
	KEF-501 (06)	1									ODP,PREMIUM		1.8160								
	· · /	 		DU180HFA		CAPTIN		3188	1.600	1364	· · · · · · · · · · · · · · · · · · ·				208	9.5		36 FPN		185	2
	KEF-481 (07)	1		DU200HFA		CAPTIN		3854	1.800	1358	ODP,PREMIUM		2.5910		208	15.0		38 FPN		215	
	KEF-165 (08)	1		DU50HFA		CAPTIN	/EAIRE	1025	0.560	1475	TEAO-ECM	0.500	0.3310	1	115	6.3	3	90 FPN	1	76	
JA Tan	FAN INFORMAT	<u> 10n -</u>	- <u>JOB#</u>	732237	72																
NIT NO	TAG QTY	FA	N UNIT N	MODEL #	BL	OWER	HOUSING	MIN CFM	DESIGN CFM	ESP		NCL	HP	BHP	PHASE	VOLT	FLA	MCA	моср	WEIGHT (LBS)	SON
	MAU-113 1		A3-D.500	0-24D	24MF	-3-MOD	A3-D.500	3500	6524	0.500	1403 ODP,F	REMIUM	10.000	5.5120	3	208	27.0	33.8A	60A	934	13
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4			GREASE B																		
1	KEF-111 (01)			ARTS WAF		J/DR180H	-A - INS	IALLED A	I PLANI –	FOR GF	REASE DUCTS										
	KEF-111.1	1	GREASE B	BOX																	
2	(02)					J/DR200HI	FA – INS	TALLED A	F PLANT –	FOR GF	REASE DUCTS										
			Z YEAR P GREASE B	PARTS WAF	RANIY																
					SEAL – DU	J/DR240HI	FA – INS	TALLED AT	F PLANT –	FOR GF	REASE DUCTS										
3	KEF-310 (03)			FAN HEAT			10.7														
					) FOR USE \ ACKET FOR I																
				PARTS WAR		,															
			GREASE B																		
4	KEF-382 (04)				SEAL – DU	,					), CCW ROTATIC	)N									
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5	KEF-398 (05)				) FOR USE \	WITH ECPM	103														
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			GREASE B	PARTS WAF																	
6	KEF-501 (06)					J/DR180HI	FA – INS	TALLED AT	F PLANT –	FOR GF	REASE DUCTS										
			2 YEAR P GREASE B	PARTS WAF	RRANTY																
7	KEF-481 (07)				SEAL – DU	J/DR200HI	FA – INS	TALLED AT	F PLANT –	FOR GF	REASE DUCTS										
				PARTS WAF		,															
		1 1		NG PACKA CCW ROTA		JST – MA	NUAL OR	0-10VDC	REFEREN	CE SPEE	D CONTROL -M	SC-									
8	KEF-165 (08)		· /	BIRD SCR																	
				DAMPER																	
				PARTS WAF	AUGE, 0-35																
					RE GAUGE, -																
					ALVE OPTION	FOR MOD	SIZE 3	(1" MOD	VALVE)												
					RAFT DAMPER	R FOR A3-	-D HOUSI	NG – ME	ETS AMCA	CLASS 1	A RATING										
9	MAU-113										TORS PER UNI-	-STRUT									
					RING PACKA( ASE ONLY	GE (REQUI	RED AND	USED ON	ILY FOR DO	CV OR P	REWIRE WITH										
			/	PARTS WAF																	
			EXTERIOR BRACKET	GAS CON	INECTION PR	OVIDED BY	FACTOR	r with qu	JICK SEAL	AND AN	I-ROTATION										
	II ACCESSORIES																				
<u>IN 7</u>																					
AN	TAG		EXHAUST	Ē		SUP	PLY														
NIT NO	TAG	GREASE			SIDE	GRAVITY	MOTORIZ														
4					DISCHARGE	DAMPER	DAMPE	R MOUI													
1 2	KEF-111 (01) KEF-111.1 (02)	YES YES							_												
2 3	KEF-310 (03)	YES							$\neg$												
4	KEF-382 (04)	YES																			
5	KEF-398 (05) KEF-501 (06)	YES YES							_												
6 7	KEF-501 (06) KEF-481 (07)	YES YES																			
	, ,		YES																		
8 9	KEF-165 (08) MAU-113				YES		YES	1													

	REVI	SIONS	DATE:						
$\triangle$									
		www.captiveaire.com	Seattle Office       Seattle Office         114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com       Image: Complexity						
	International Village (Gas) — Puyallup — R4	110 9th Avenue Southwest,	Puyallup, WA, 98371						
D	<b>ATE:</b> 2/	/5/20	25						
<b>DWG.#:</b> 7322372									
D	RAWN BY: J	L – I	785						
	<b>SC</b> 3/4''	<b>ALE:</b> = 1'-	-0''						
M									
	SHEI								

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1		KEF-1	29 LBS	CURB	31.500''W X 31.500''L X 16.000''H.
2		KEF-1	29 LBS	EXHAUST ADAPTER	FROM 32.500"SQ TO 26.500"SQ X 9.000"H.
3	# 3	KEF-310 (03)	43 LBS	CURB	31.500''W X 31.500''L X 24.000''H VENTED HINGED.
4	# 4	KEF-382 (04)	41 LBS	CURB	23.000''W X 23.000''L X 24.000''H VENTED HINGED.
5		KEF-2	29 LBS	CURB	31.500''W X 31.500''L X 16.000''H.
6		KEF-2	45 LBS	EXHAUST ADAPTER	FROM 32.500"SQ TO 26.500"SQ X 9.000"H.
7		KEF-5	29 LBS	CURB	31.500''W X 31.500''L X 16.000''H.
8	#8	KEF-165 (08)	18 LBS	CURB	19.500''W X 19.500''L X 14.000''H.
9		KEF-5	45 LBS	EXHAUST ADAPTER	FROM 32.500"SQ TO 26.500"SQ X 9.000"H.
10		KEF-6	29 LBS	CURB	31.500''W X 31.500''L X 16.000''H.
11		KEF-6	45 LBS	EXHAUST ADAPTER	FROM 32.500"SQ TO 26.500"SQ X 9.000"H.
12		KEF-7	29 LBS	CURB	31.500''W X 31.500''L X 16.000''H.
13		KEF-7	45 LBS	EXHAUST ADAPTER	FROM 32.500"SQ TO 26.500"SQ X 9.000"H.

HMI SCHEDULE										
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS						
FAN <b>#</b> 9	HMI #1 — UNIT	IN UNIT	NOT AVERAGED	55						
FANS #2 (KEF-111.1 (02)), #7 (KEF-481 (07)) - DU200HFA EXHAUST FAN										



FEATURES:

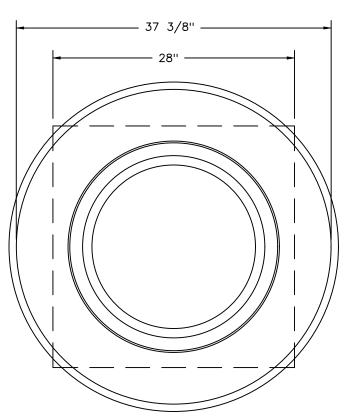
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS. - RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE). HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING. - NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

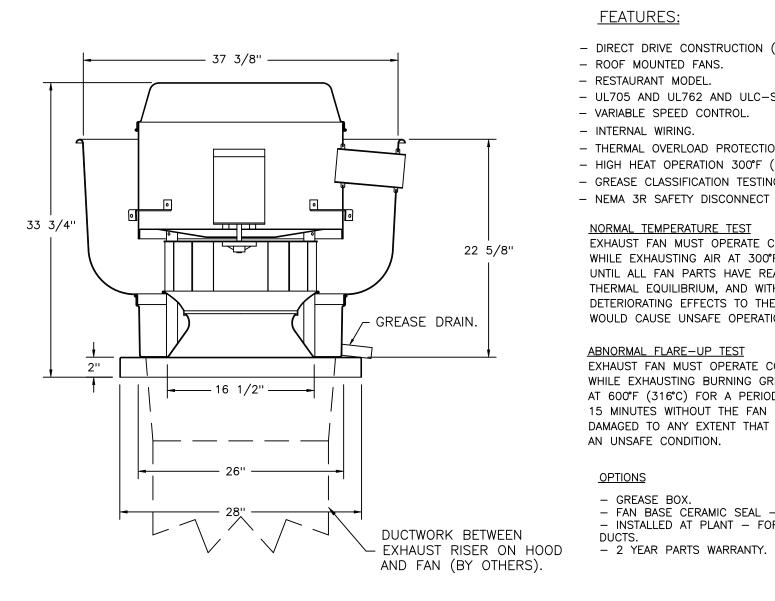
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

#### <u>OPTIONS</u>

– GREASE BOX. – FAN BASE CERAMIC SEAL – DU/DR200HFA – INSTALLED AT PLANT – FOR GREASE DUCTS. – 2 YEAR PARTS WARRANTY.



<u>top view</u>



#### FEATURES:

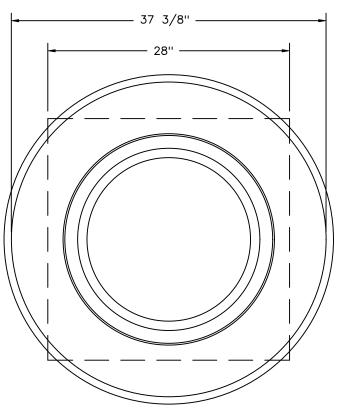
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL. – UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

<u>OPTIONS</u>

- GREASE BOX. FAN BASE CERAMIC SEAL DU/DR180HFA INSTALLED AT PLANT FOR GREASE



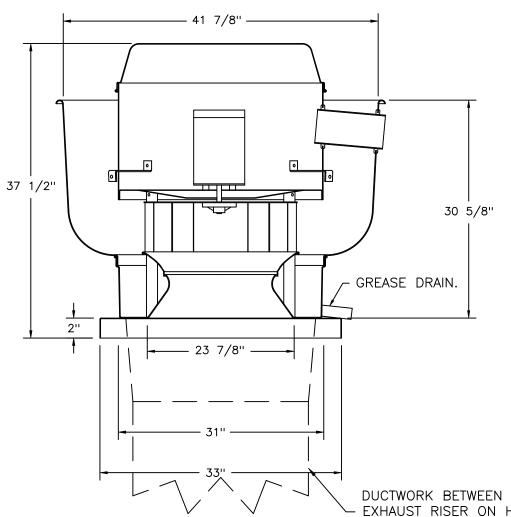
<u>top view</u>

	<b>REVIS</b> DESCRIPTION	IONS	DATE:
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$\triangle$			
		www.captiveaire.com	Seattle Office       Seattle Office         114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com       Image: Capital Capitac Capitac Capital Capital Capital Capitac Capital Cap
	International Village (Gas) — Puyallup — R4	110 9th Avenue Southwest,	Puyallup, WA, 98371
D	<b>ATE:</b> 2/5		25
	<b>DW</b> 7322	372	
DI	RAWN BY: JL		R85
	<b>SCA</b> 3/4" =	= 1'-	
M	ASTER I	DRAV	VING
	SHEE 10		0.

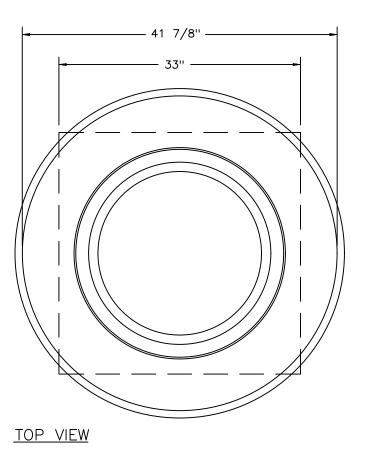
City of Puya ISSUED P Building

Engineering Public Works Fire

#### <u>FAN #3 DU240HFA – EXHAUST FAN (KEF–310 (03))</u>



- EXHAUST RISER ON HOOD AND FAN (BY OTHERS).



#### FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). ROOF MOUNTED FANS.
- RESTAURANT MODEL. - UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL. INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C). GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

### NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

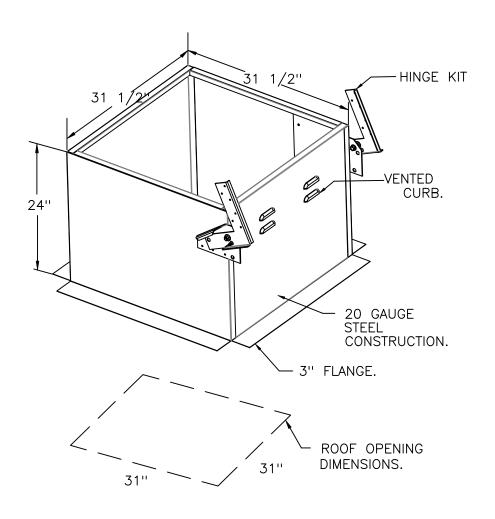
#### ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

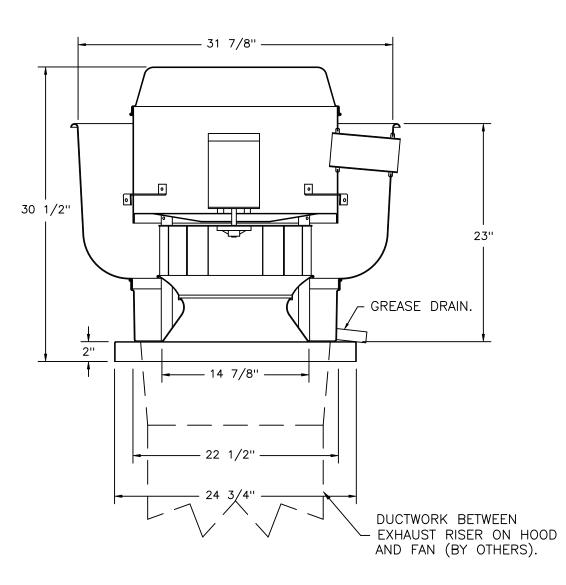
#### <u>OPTIONS</u>

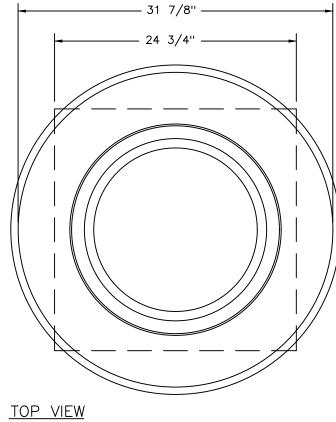
– GREASE BOX. GREASE BOX.
 FAN BASE CERAMIC SEAL –
 DU/DR240HFA – INSTALLED AT PLANT –
 FOR GREASE DUCTS.
 EXHAUST FAN HEAT BAFFLE.
 UNIT MOUNTED VFD FOR USE WITH

- ECPM03. VFD MOUNTING BRACKET FOR DU/DR 240.
  2 YEAR PARTS WARRANTY.



#### <u>FAN #4 DU85HFA – EXHAUST FAN (KEF–382 (04))</u>





### FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS). ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL. INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C). - GREASE CLASSIFICATION TESTING.

- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

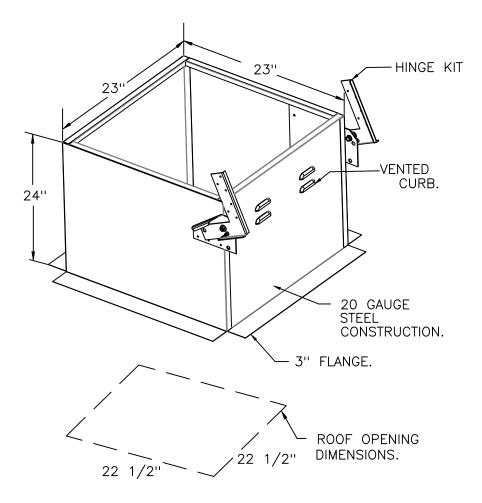
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

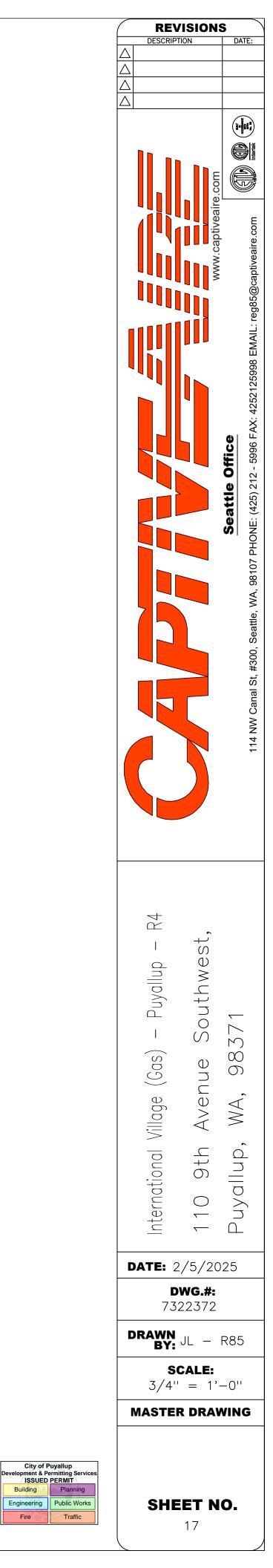
<u>OPTIONS</u>

– GREASE BOX. – FAN BASE CERAMIC SEAL – DU/DR85HFA – INSTALLED AT PLANT – FOR GREASE

DUCTS. – ECM WIRING PACKAGE – PWM SIGNAL FROM ECPMO3 PREWIRE (TELCO MOTOR), CCW ROTATION.

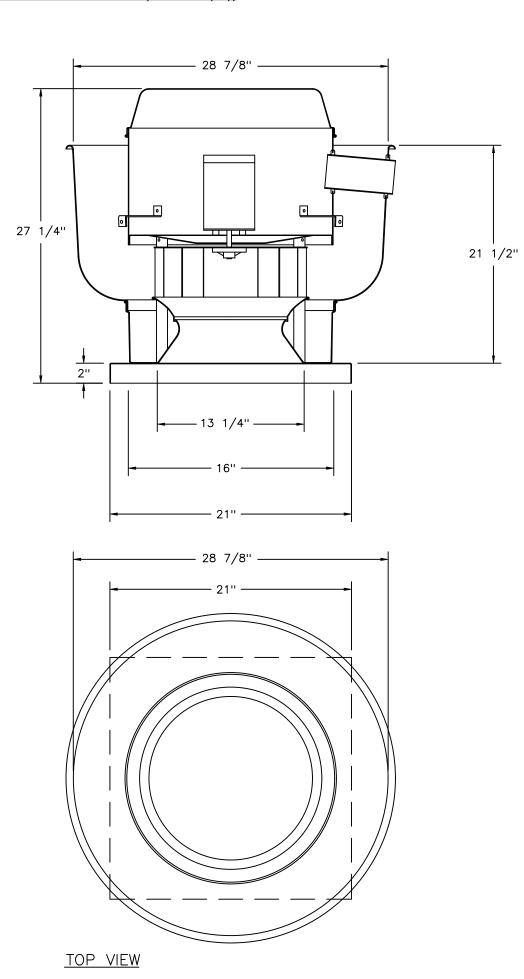
- 2 YEAR PARTS WARRANTY.





Fire



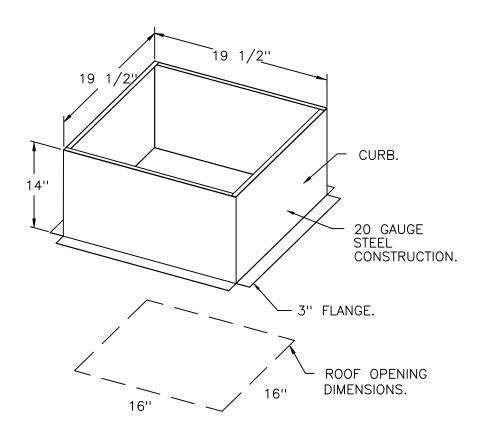


#### FEATURES:

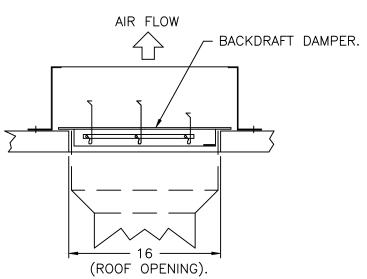
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- UL705.
- VARIABLE SPEED CONTROL. INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- NEMA 3R SAFETY DISCONNECT SWITCH.

#### <u>OPTIONS</u>

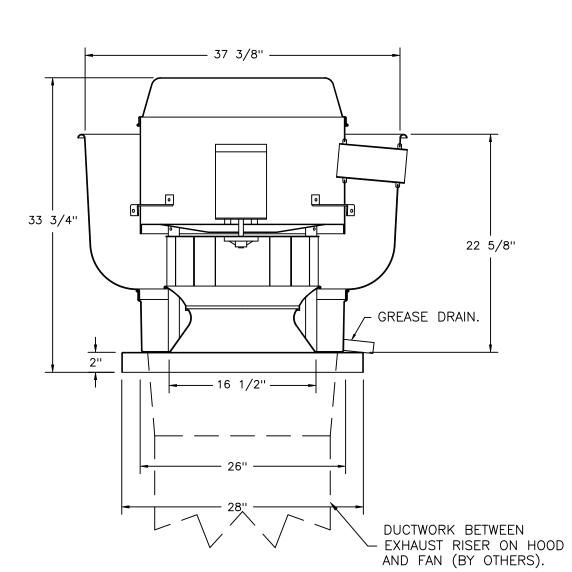
 ECM WIRING PACKAGE - EXHAUST MANUAL OR 0-10VDC REFERENCE SPEED
 CONTROL -MSC- (TELCO), CCW ROTATION.
 SCR-13 BIRD SCREEN.
 LAE DE DAMPER – I 15–BDD DAMPER.
– 2 YEAR PARTS WARRANTY.

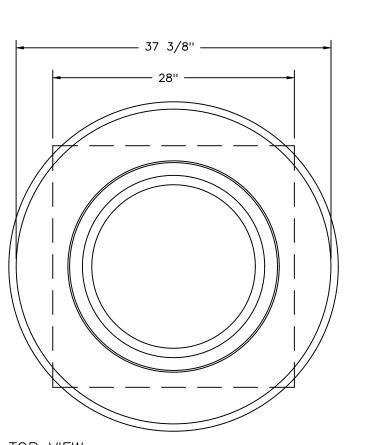


BACKDRAFT DAMPER INSTALLATION



<u>FAN #5 DU180HFA – EXHAUST FAN (KEF–398 (05))</u>





<u>top view</u>





7322372

DRAWN BY: JL - R85

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

**MASTER DRAWING** 

SHEET NO.

18



## FEATURES:

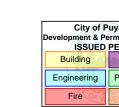
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS. - RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING. - NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

<u>OPTIONS</u>

- GREASE BOX. FAN BASE CERAMIC SEAL DU/DR180HFA INSTALLED AT PLANT FOR GREASE
- INSTALLED 7.... EXH DUCTS. EXHAUST FAN HEAT BAFFLE. UNIT MOUNTED VFD FOR USE WITH
- ONIT MOUNTED VED FOR USE WITH
  ECPM03.
  VFD MOUNTING BRACKET FOR DU/DR 180
  200.
  2 YEAR PARTS WARRANTY.



FAN #9 A3–D.500–24D – HEATER (MAU–113)

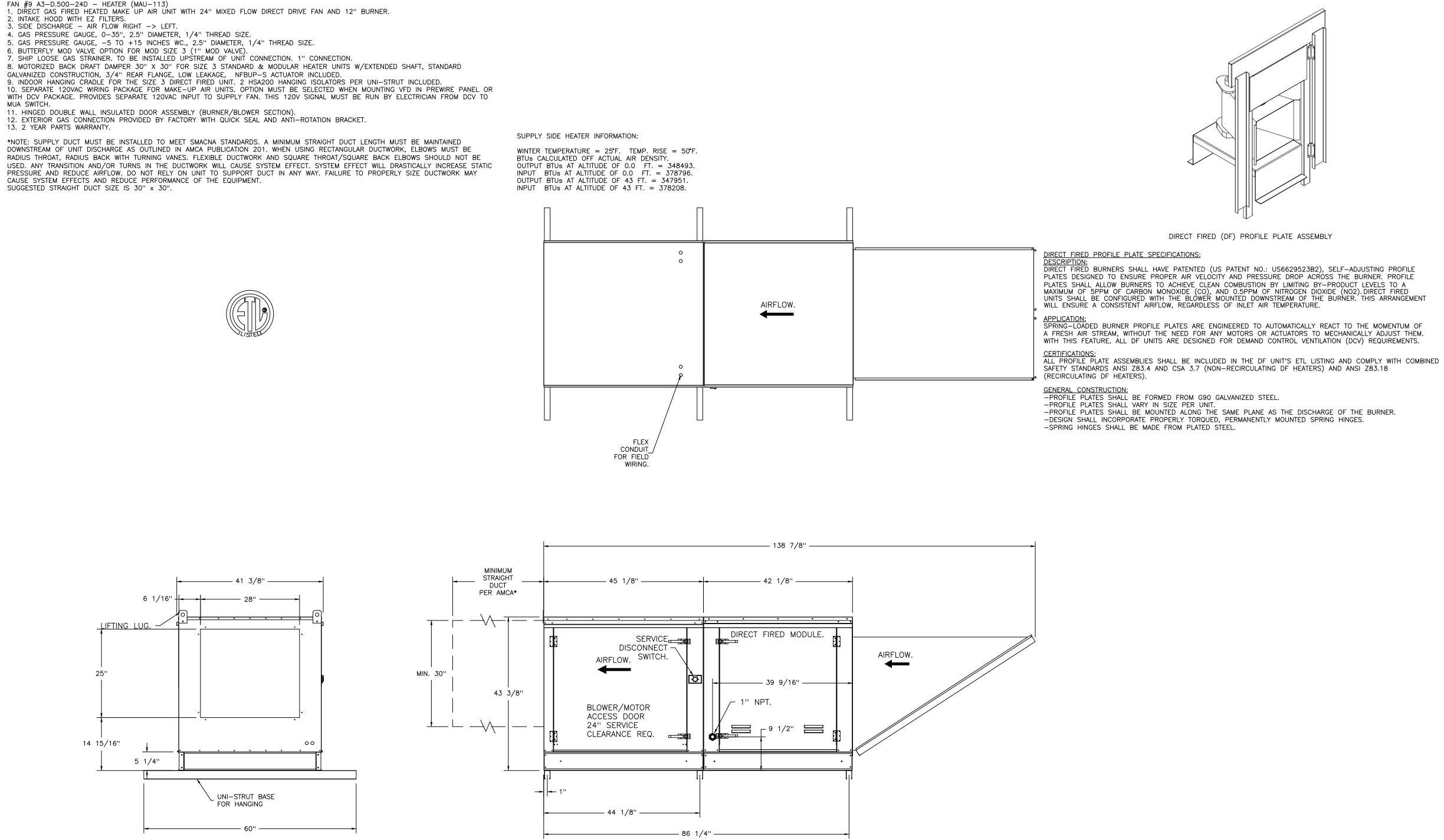
2. INTAKE HOOD WITH EZ FILTERS.

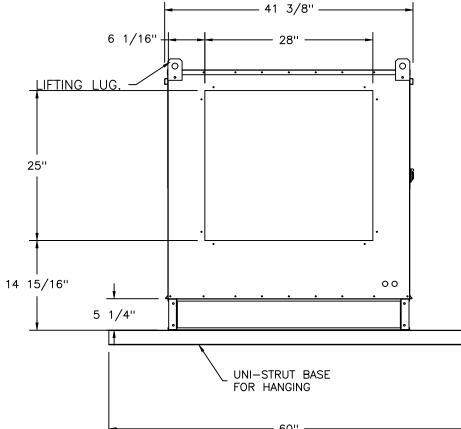
- 4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
- 5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.

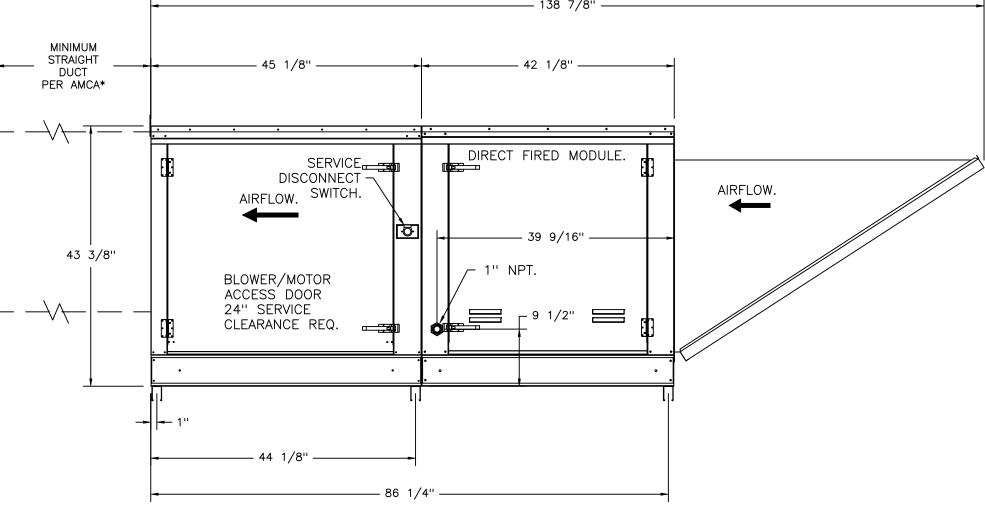
- 10. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO
- MUA SWITCH.

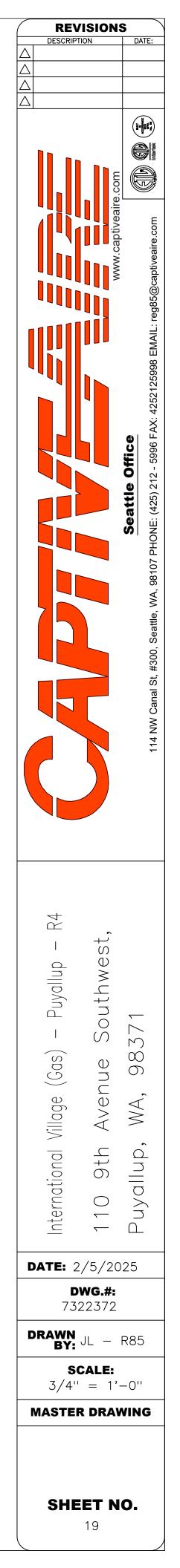
13. 2 YEAR PARTS WARRANTY.

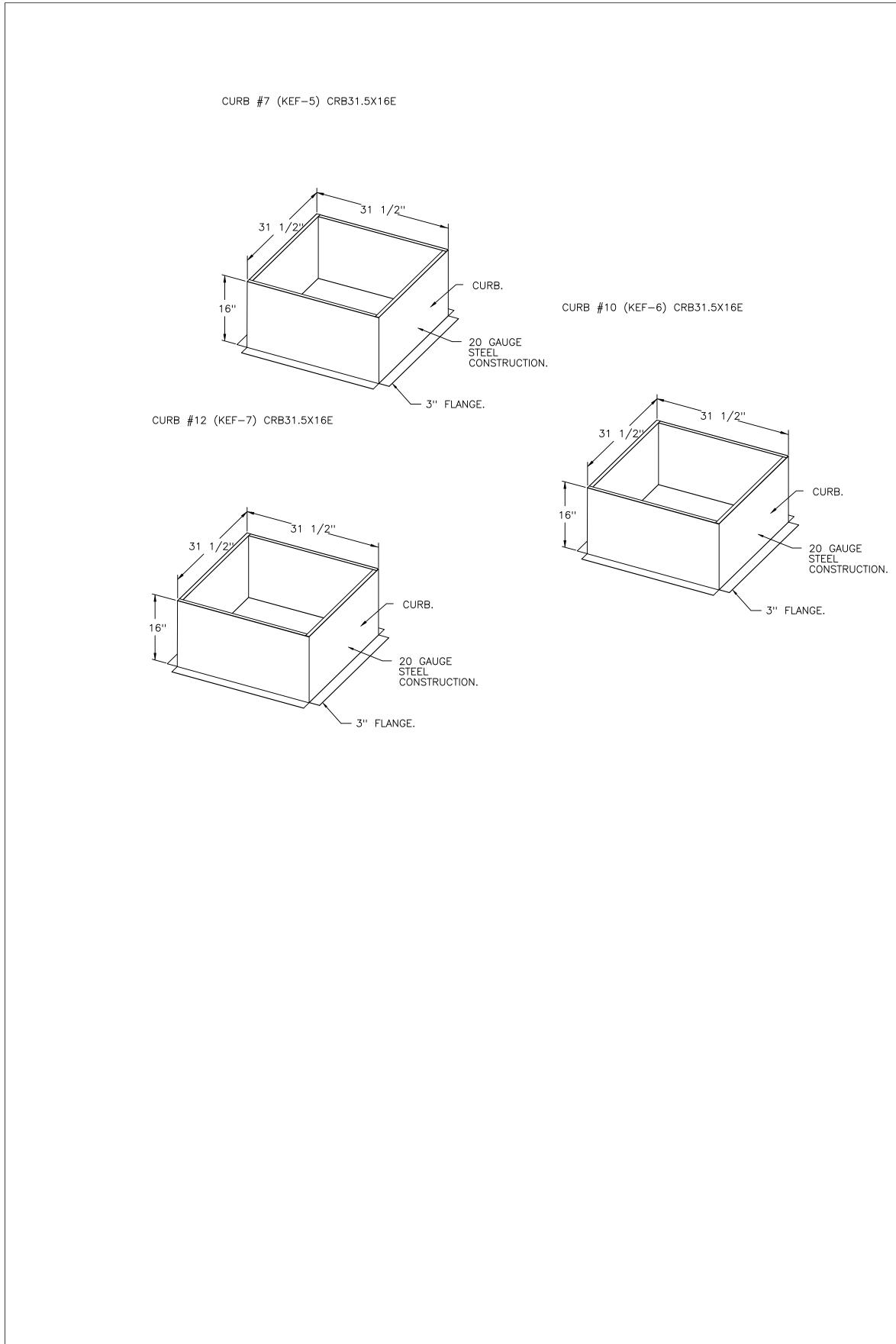
\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 30" x 30".

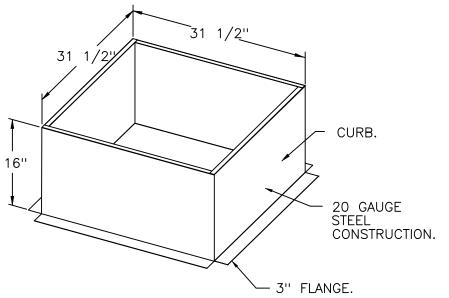




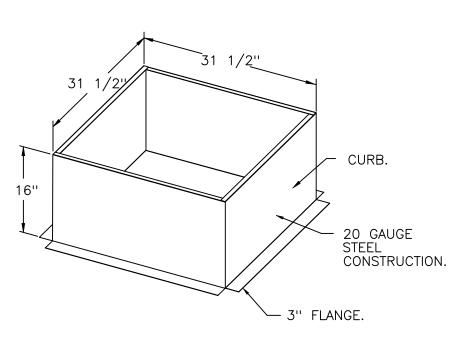




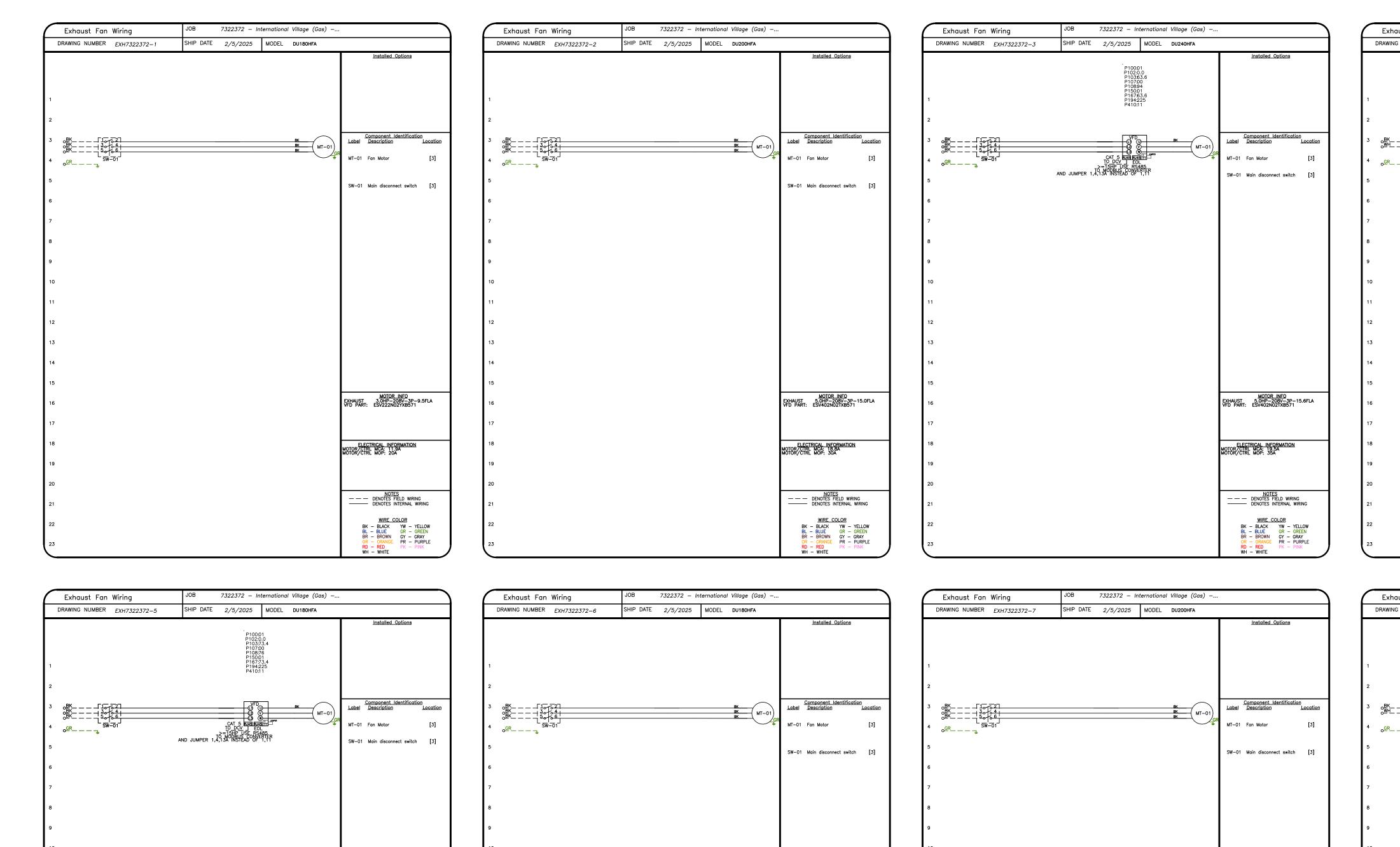


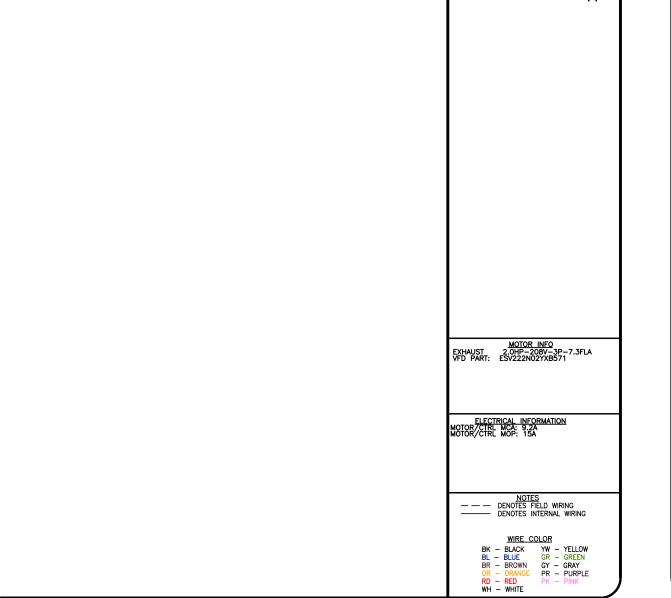


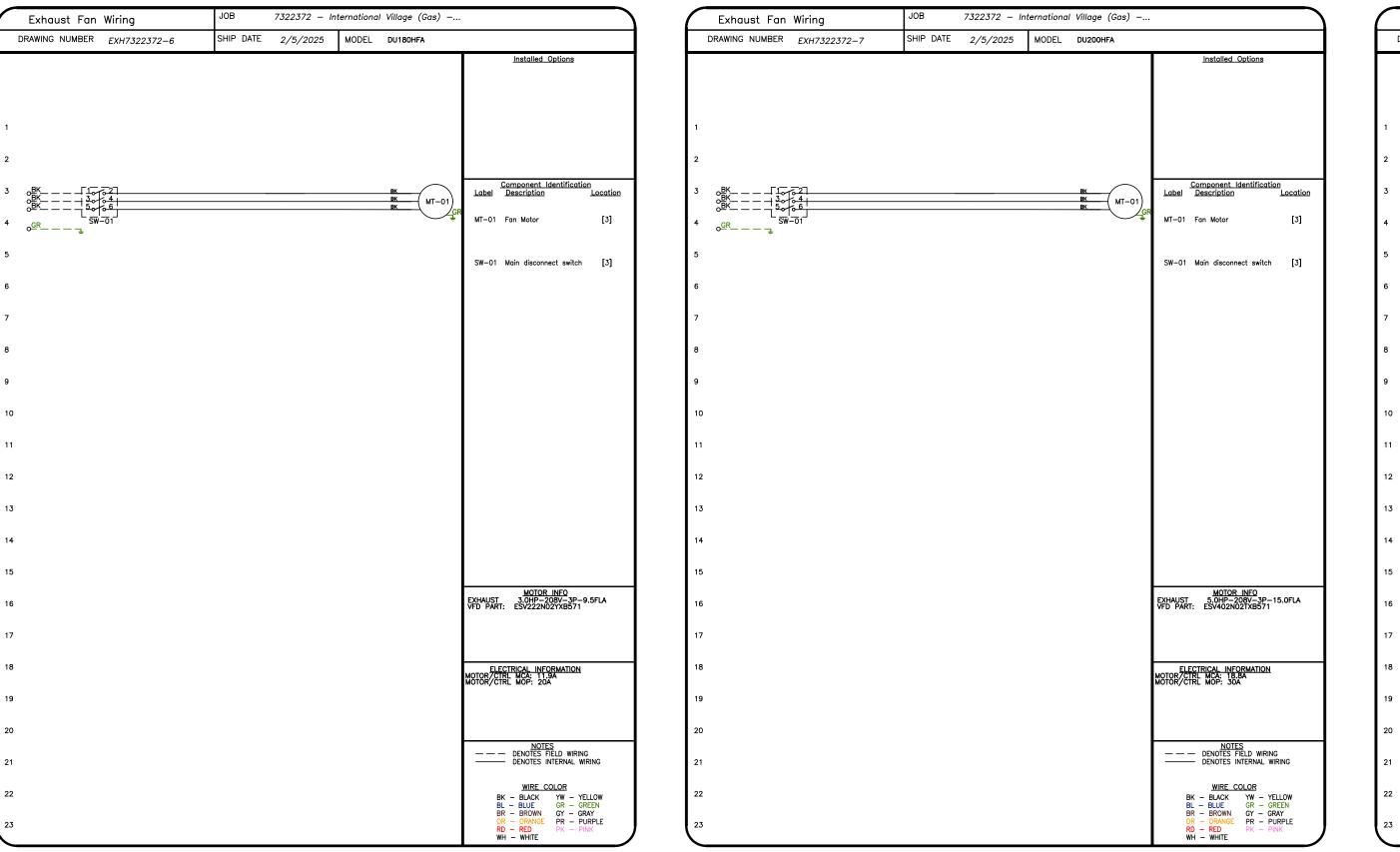
CURB #5 (KEF-2) CRB31.5X16E



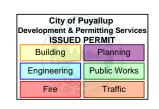
$\square$	REVISI	ONS	B DATE:
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		www.captiveaire.com	Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Complete State St
	International Village (Gas) – Puyallup – R4	IIU YIN AVENUE SOUINWESI,	Puyallup, WA, 98371
D	<b>ATE:</b> 2/5	/20	25
	<b>DWG</b> 73223		
DI	RAWN BY: <sup>JL</sup>	_	R85
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M	ASTER D		
	SHEET 20		0.





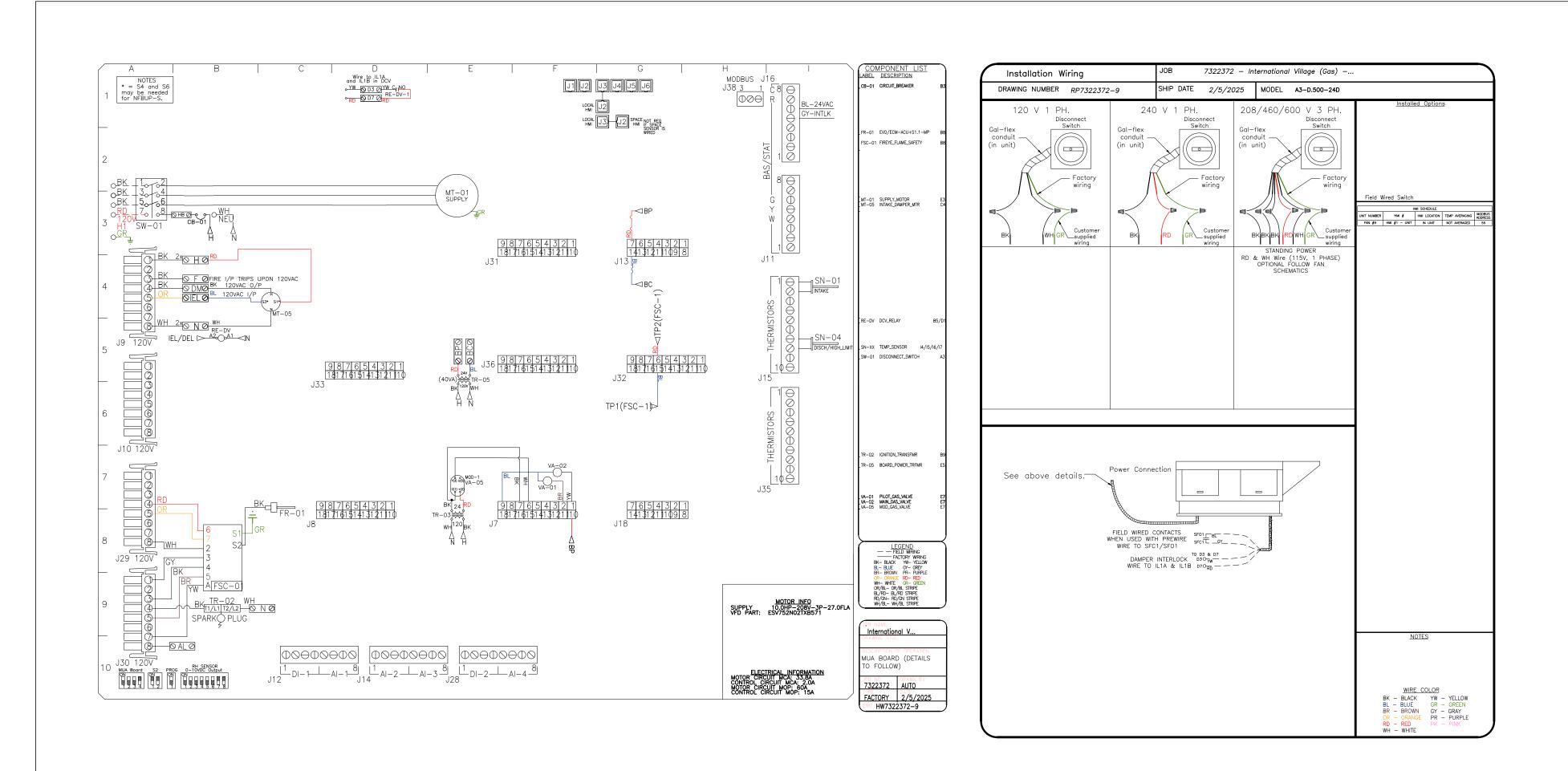


				REVISION	S
					DATE:
aust Fan Wiring	JOB 7322372 – In	ternational Village (Gas) —		$\triangle$	
	SHIP DATE 2/5/2025	MODEL DU85HFA		$\Delta$	
G NUMBER     EXH7322372-4       MOTOR     0       CONTROL     0       FROM     0       ECPM03     0		MODEL DU85HFA	Installed Options         Installed Options         Label       Description       Location         MT-01       Fan Motor       [3]         SW-01       Main disconnect switch       [3]         SW-01       Main disconnect switch       [3]         EXHAUST       1.0HP-115V-1P-11.6FLA         MOTOR/CTRL       MOTOR INFO         MOTOR/CTRL       MOTOR INFO         MOTOR/CTRL       MOTE FILL         WHE       DENOTES         MOTOR/CTRL       MOY         BK       BLACK         YW       YW         MOTE       PROWN         BK       BLACK         YW       YW         YWH       PROVE		Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Complete State St
aust Fan Wiring <sup>G NUMBER</sup> <i>EXH7322372-8</i>	JOB 7322372 – In SHIP DATE 2/5/2025	ternational Village (Gas) — MODEL DU50HFA			114
RD RD BK BK BK BK BK BK BK BK BK BK BK BK BK	BK. OPTIONAL O	IOVDC ENCE INPUT VITROL BK WH WH UMPER WIRE DISCONNECTED. TO REVERSE ROTATION CONNECT JUMPER FOR CKEC MOTOR ONLY.	Component Identification         Label       Description       Location         MT-01       Fan Motor       [3]         MSC       Motor Speed Controller       [1]         SW-01       Main disconnect switch       [3]         TR-01       24VAC 20VA Transformer       [2]	nternational Village (Gas) – Puyallup – R4 110 9th Avenue Southwest,	, WA, 98371
			MOTOR INFO EXHAUST 0.5HP-115V-1P-6.3FLA	9th	illup,
			ELECTRICAL INFORMATION	nterna 1 1 0	Puyallup,
			ELECTRICAL INFORMATION MOTOR/CTRL MCA: 7.9A MOTOR/CTRL MOP: 15A		
			NOTES	DATE: 2/5/20	25
			<u>NOTES</u> <u>DENOTES FIELD WIRING</u> <u>DENOTES INTERNAL WIRING</u> <u>WIRE_COLOR</u>	<b>DWG.#:</b> 7322372	
			BK - BLACK YW - YELLOW BL - BLUE GR - GREEN BR - BROWN GY - GRAY OR - ORANGE PR - PURPLE RD - RED PK - PINK WH - WHITE	DRAWN BY: JL -	R85
				<b>SCALE:</b> 3/4" = 1'-	-0''
				MASTER DRAV	NING



SHEET NO.

21



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	www.captiveaire.com	Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Comment of the seattle in the seattle in the seatche in the seatchee in the seatchee in the sea
International Village (Gas) – Puvallup – R4	Southwest	Puyallup, WA, 98371
DATE	: 2/5/20 DWG.#:	25
DRAV	7322372	R85
	<b>SCALE:</b> /4'' = 1'-	
	TER DRAV	
SI	HEET N 22	<b>0.</b>

City of Puyallup lopment & Permitting Servio

 Building
 Planning

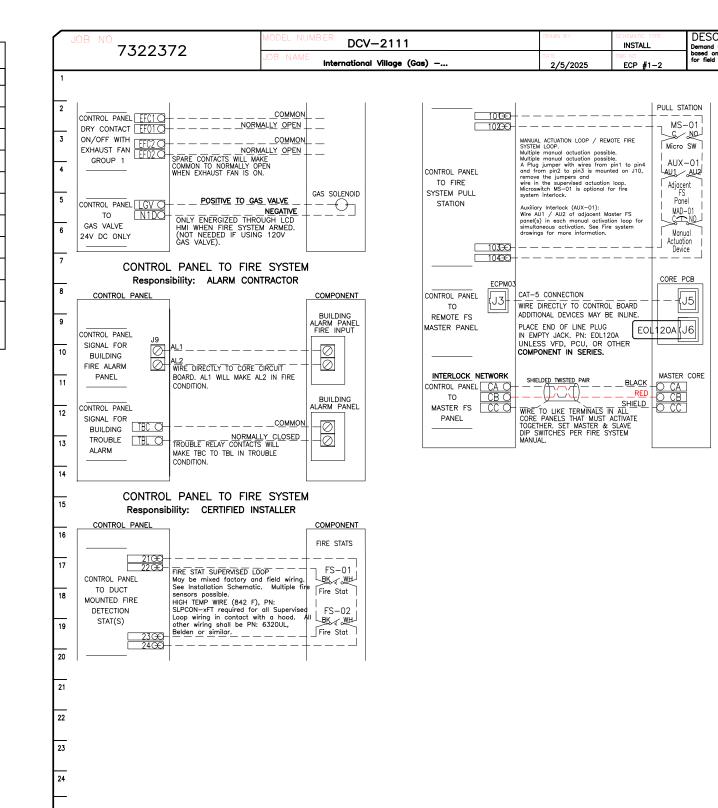
 Engineering
 Public Works

 Fire
 Traffic

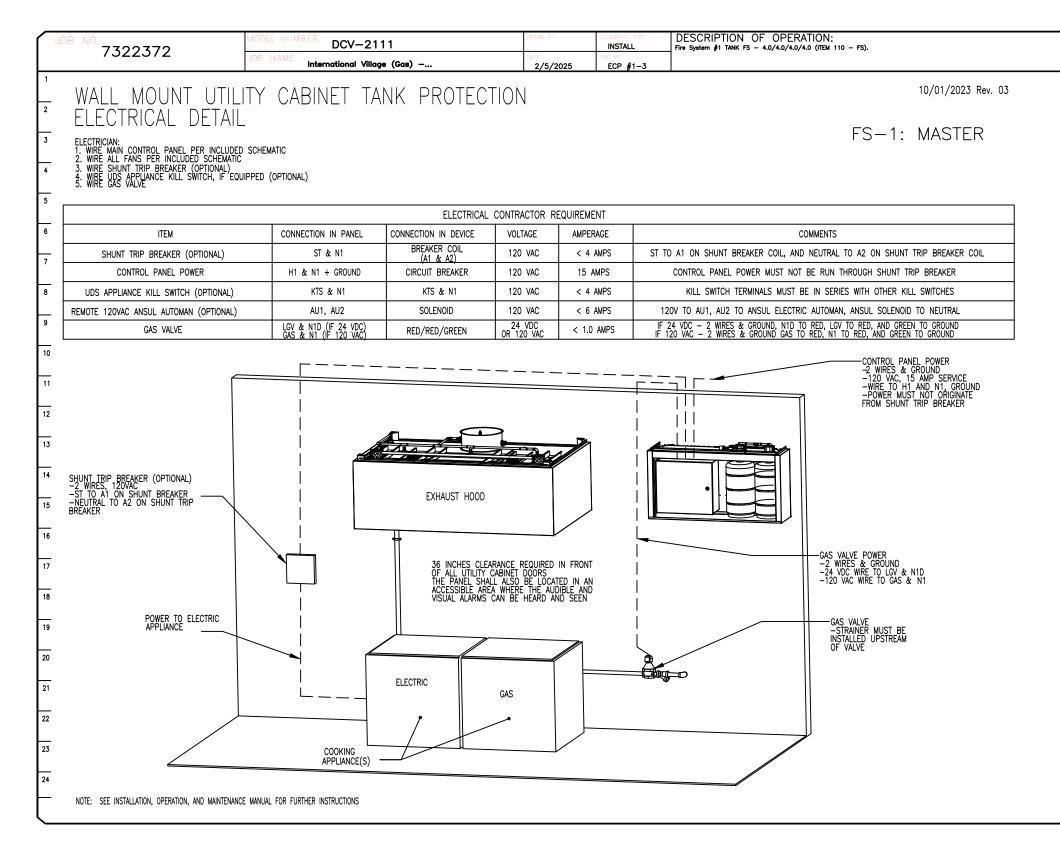
NO	TAG	PACKAGE #	LOCATION	SWITCH	ES	OPTION	FAN	S CONTROLL	ED			
	17.0		Eddition	LOCATION	QUANTITY		FAN TAG	TYPE	ф	HP	VOLT	FLA
					1 LIGHT		KEF-111 (01)	EXHAUST	3	3.000	208	9.5
1	DCV-109	DCV-2111	WALL MOUNT IN SS BOX	SHIP LOOSE W/ PREWIRE		SMART CONTROLS DCV	KEF-111.1 (02)	EXHAUST	3	5.000	208	15.0
					1 FAN		MAU-113	SUPPLY	3	0.000	208	27.0
	DOV 700			UTILITY CABINET RIGHT	1 LIGHT		KEF-310 (03)	EXHAUST	3	5.000	208	15.6
2	DCV-309	DCV-1111	UTILITY CABINET RIGHT	HOOD # 3	1 FAN	SMART CONTROLS DCV						
-	DOV 404			UTILITY CABINET RIGHT	1 LIGHT		KEF-398 (05)	EXHAUST	3	2.000	208	7.3
3	DCV-401	DCV-1111	UTILITY CABINET RIGHT	HOOD # 5	1 FAN	SMART CONTROLS DCV						
					1 LIGHT		KEF-501 (06)	EXHAUST	3	3.000	208	9.5
4	DCV481/503	DCV-2111	UTILITY CABINET RIGHT	SHIP LOOSE W/ PREWIRE		SMART CONTROLS DCV	KEF-481 (07)	EXHAUST	3	5.000	208	15.0
					1 FAN							
_	504 700			UTILITY CABINET RIGHT	1 LIGHT							
5	DCV-366	DCV-1011	UTILITY CABINET RIGHT	HOOD # 4	1 FAN	SMART CONTROLS DCV	KEF-382 (04)	EXHAUST	1	1.000	115	11.6

OB NO 7322372	MODEL NUMBER DCV-2111		DRAWN BY SCHEMATIC	DESCRIPTION	OF OPERATION:	Fans, 1 Supply Fan, Exhaust on in Fire, Ligh MOTOR REQUIRED FOR USE WITH VFD. Room	ts out in Fire, Far
1322312	JOB NAME International Village	(Gas) –	DATE DWG NO 2/5/2025 ECP #	for field installation Ver	ture. INVERTER DUTY 3 PHASE I fy distance between VFD and M	MOTOR REQUIRED FOR USE WITH VFD. Room otor; additional cost could apply if distance	temperature sense exceeds 50 feet.
BREAKER PANEL TO PRIMARY		Load Wiring	LOAD LEG 1 FAN: 09	MAU-113	CONTROL PANEL T4A O	+	
Responsibility: Electi		SM-3 V3 -	LOAD LEG 2 BLACK	HP: 10.000 VOLT: 208 V	то Т4ВО	WIRE TO CONTROL BOARD	
BREAKER SIZE SHOWN IS THE M			LOAD LEG 3 BLACK	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CAPTURE VOLUME	SENSOR MOUNTED IN HOOD CAPTURE	CAPTURE 1
BREAKER PANEL	PRIMARY CONTROL PANEL	VFD QUICK		~ 0	SENSOR	VOLUME.	
			120V NEUTRAL MUITE				
BREAKER 1PH	$ \frac{H_{ot}}{I_{ot}} O - H1$	IF VFD MOUNTED IN	y_	, , , , , , , , , , , , , , , , , , ,	CONTROL PANEL T5A O TO T5B O		
120 V	Ground	2ND PANEL, WIRE	UST HAVE ITS OWN CONDUIT		CAPTURE VOLUME	WIRE TO CONTROL BOARD. SENSOR MOUNTED IN HOOD CAPTURE	HOOD 2 CAPTURE 2
15 A CONTROL POWER. DO TO GFCI OR SHUNT TRI		PANEL WITH			SENSOR	VOLUME.	
	BREAKER.	ECPM03.					
1ST HOOD LIGHT BREAKER SHARE	D W/ CONTROL	fan start <u>SF010</u>	<u>24VAC</u>	-024V	CONTROL PANEL T6A O	+	
POWER. SWITCH #1		signal <u>SFC1O</u> –			то Т6В О	WIRE TO CONTROL BOARD	HOOD 1
BREAKER 3PH		MAU-113		*WIRE TO UNIT INTERLOCK	PSP SENSOR	SENSOR MOUNTED IN SUPPLY PLENUM.	PSP TEMP
208 V							GAS SOLENO
MCA: 11.9 A	GroundOGND	MAKE UP AIR ON PCB	REMOVE JUMPER	MUA ZONE 1	CONTROL PANEL GAS O	<u>HOT_TO_GAS_VALVE_</u> NEUTRAL_	+
			¥		TO N1 O	Τ	+
WIRE TO VFD QUICK CONNECT			W VOLTAGE CONNECTION FOR		120V ONLY	ONLY ENERGIZED THROUGH LCD HMI WHEN FIRE SYSTEM ARMED.	
BREAKER 3PH		DA	MPER INTERLOCK. WIRE	TERMINAL NAMES DO NOT APPLY IF MUA BY OTHERS			
208 V		ZO	JLTIPLE SUPPLY ON THE SAME ONE IN SERIES. SHOULD WE CONTINUITY WHEN DAMPER			THE FOLLOWING CONNECTIONS	
MCA: 18.8 A	<u>Ground</u>	IS	PROVEN OPEN.			MAY OR MAY NOT BE REQUIRED BASED ON JOBSITE	
MOCP: 30 A KEF-111.1 SM-		NO SE	T REQUIRED FOR ALL UNITS. E MAKE-UP AIR SCHEMATIC.			SPECIFICATIONS	
WIRE TO VFD QUICK CONNECT	JR I					HOT TO SHUNT COIL	SHUNT COIL
					SIGNAL FOR N1 O	NEUTRAL_FROM_SHUNT_COIL	
BREAKER 3PH					EXTERNAL	ST TERMINAL IS ENERGIZED	
MCA: 33.8 A		CONTROL PAN	IEL TO ACCESSORY IT	EMS	SHUNT TRIP	IN FIRE CONDITION.	
MOCP: 60 A MAU-113 SM-			nsibility: Electrician		CONTROL PANEL KS C	HOT_TO_CONTACTOR_COIL	CONTACTOR_COIL
WIRE TO VFD QUICK CONNECT	-	CONTROL PANEL	•	COMPONENT	SIGNAL FOR N10	NEUTRAL_TO_CONTACTOR_COIL	+
					EXTERNAL	KS TERMINAL IS DE-ENERGIZED	
		CONTROL PANEL	RE DIRECTLY TO CONTROL BOARD		CONTACTOR COIL	IN FIRE CONDITION.	
			T-5 CONNECTION	-			
CONTROL PANEL TO	) FANS	REMOTE	PLACE END OF LINE PLUG		CONTROL PANEL SFC1		
Responsibility: Elect	ician	MOUNTED	IN EMPTY JACK. PN: EOL120A	04120AC2	dry contact SF010		
PRIMARY PANEL	FANS	SWITCHES	_		ON/OFF WITH SUPPLY FAN SF02 OF		
	FAN: 01 KEF-111 (			HOOD LIGHTS 1	GROUP 1	SPARE CONTACTS WILL MAKE	
Load Wiring $\underbrace{\bigcup_{1}}_{V1}$ $\underbrace{\bigcup_{2}}_{UAD}$ $\underbrace{\bigcup_{EG \ 1}}_{UAD}$ $\underbrace{\bigcup_{EG \ 2}}_{UAD}$ $\underbrace{\bigcup_{2}}_{UAD}$ $\underbrace{\bigcup_{EG \ 2}}_{UAD}$ $\underbrace{\bigcup_{2}}_{UAD}$ $\underbrace{\bigcup_{2}}_{UA$		CONTROL PANEL B10	<u>BLAC</u> K WHITE	'†γ		SPARE CONTACTS WILL MAKE COMMON TO NORMALLY OPEN WHEN SUPPLY FAN IS ON.	
$\begin{array}{c c} SM-1 & V1 & UAD Leg 2 & & \\ WIRE TO & W1 & & LOAD Leg 3 & & \\ \end{array}$		HOOD LIGHTS GNDO		↓↓			
VFD QUICK GNDO		1400 W MAX	RE TO J-BOX ON TOP OF HOOD		DCV SPEED VO+O		-+ TO DUC
CONNECTOR MUST HAVE ITS OW					0-10V OUTPUT VO-O		TO BMS
DO NOT SHARE CO		CONTROL PANEL TIAO+- TO TIBO+wide			ON PCB	WIRE TO ECPM03 TERMINALS. CONFIGURABLE OUTPUT. SEE ECPM03 OWNERS MANUAL.	
Load Wiring $12 + 200$ LEG $1 - 200$	FAN: 02 KEF-111.1	Wirk	RE TO CONTROL BOARD. INSTALL	ROOM TEMP	(TOTAL)	CELECI MOS OWNERS MANUAL.	+
M-2 $V2$ $Less = -4$	FIA: 15.0 HP: 5.000 HP: 5.000	SENSOR SOL	URCES. DO NOT INSTALL SENSOR	GROUPS:	VFD ANALOG 30 O		TO BMS
WIRE TO W2 - LOAD LEG 3	VOLT: 208 V	ON	THE CEILING GRID, SEE MANUAL.		0-10V OUTPUT 2 C	WIRE TO VFD TERMINAL STRIP. PROPORTIONAL TO FREQUENCY.	
VFD QUICK GNDO GROUND		CONTROL PANEL T2A O		+	(EACH VFD)	SEE VFD OWNERS MANUAL.	
CONNECTOR MUST HAVE ITS OW			E TO CONTROL BOARD.				BMS SWITCH
DO NOT SHARE CO	DUIT!		NSOR MOUNTED IN HOOD CAPTURE	CAPTURE 1	CONTROL PANEL H1 O		
			LUME.		EXTERNAL	SIGNAL SWITCH THROUGH BMS	
		CONTROL PANEL T3A O			SWITCH	WILL ACTIVATE ZONE1 FANS AND LIGHTS	
					<u> </u>		
			E TO CONTROL BOARD.	CAPTURE 2			
			NSOR MOUNTED IN HOOD CAPTURE				
		CAPTURE VOLUME SEN	NSOR MOUNTED IN HOOD CAPTURE LUME.				
		CAPTURE VOLUME SEN					
		CAPTURE VOLUME SEN					

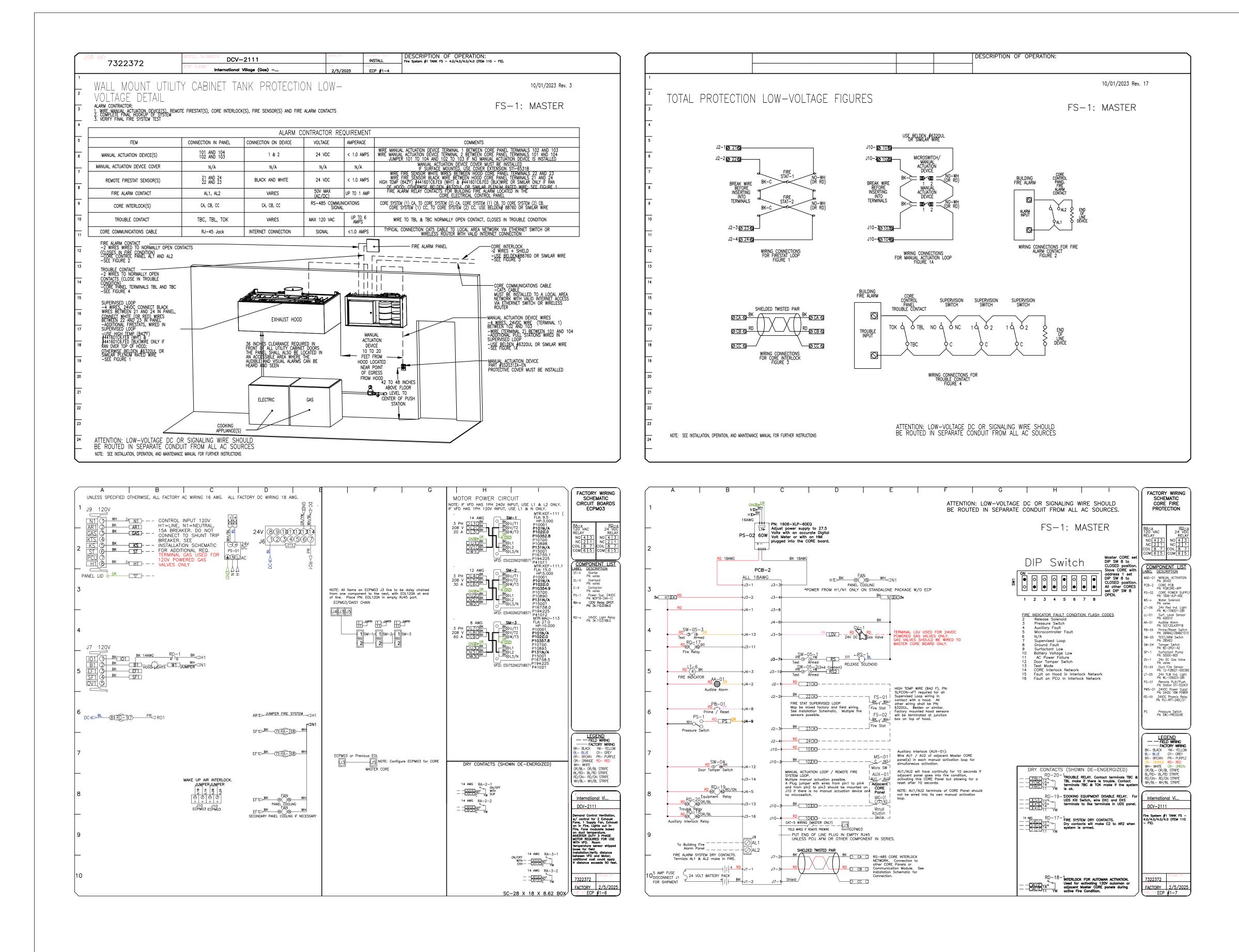
## late ed loos



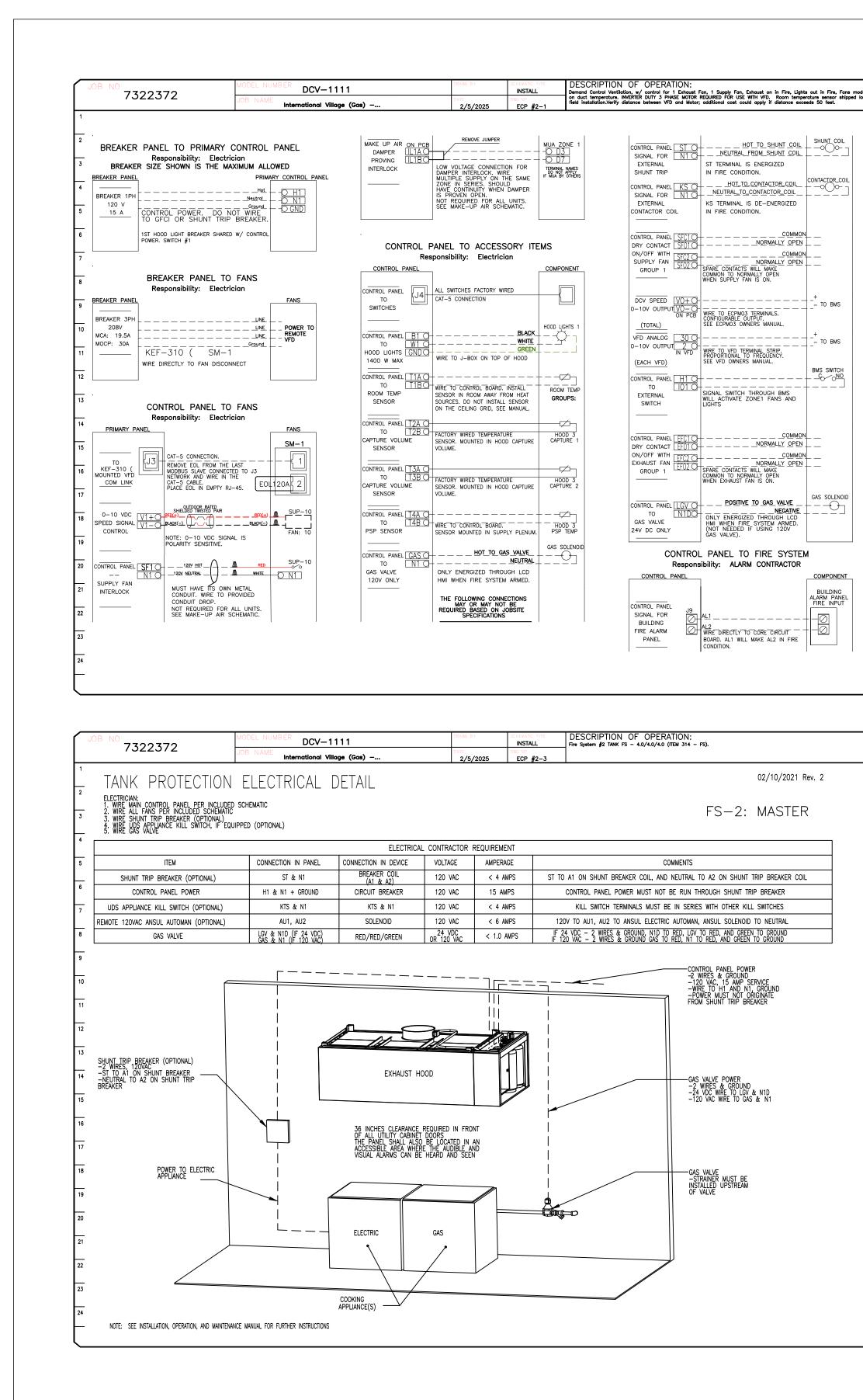
CORE PCB



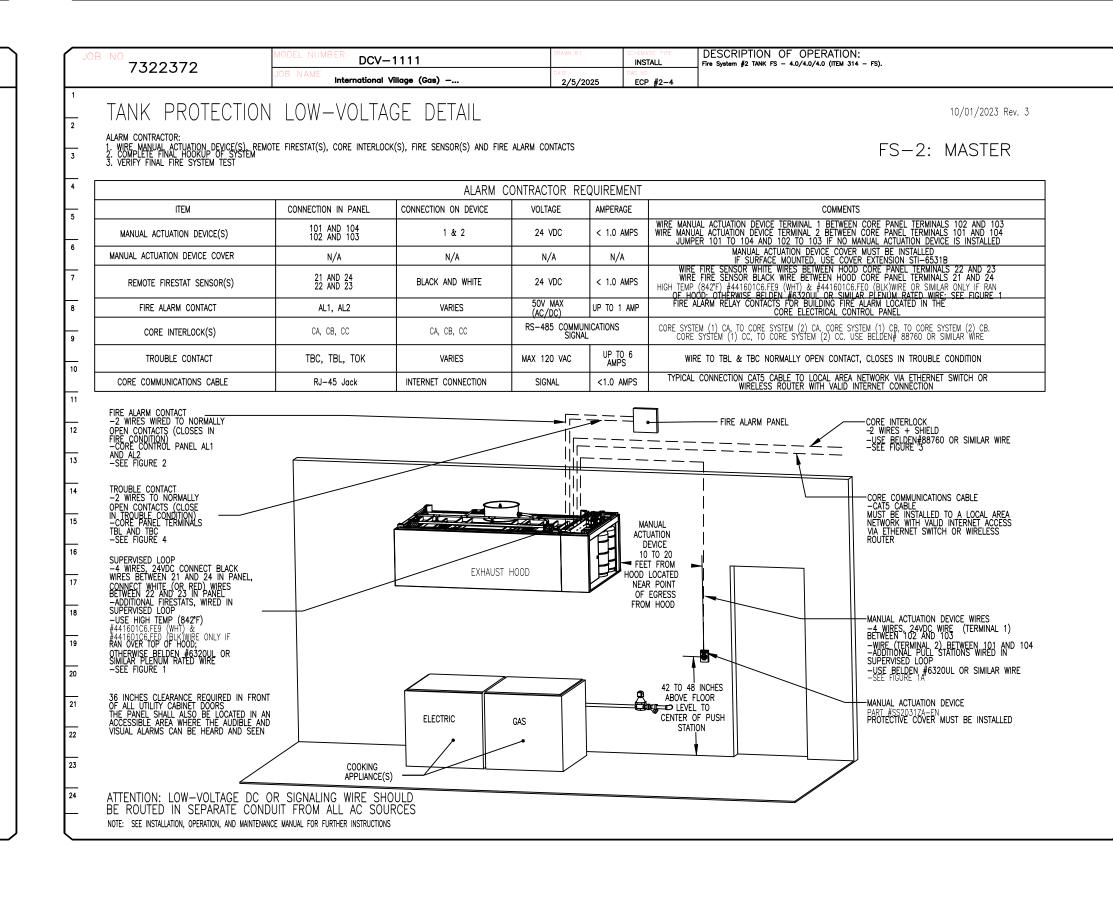
DESCRIPTION OF OPERATION: Demand Control Ventilation, w/ control for 2 Exhaust Fans, 1 Supply Fan based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED For for field installation.very distance between VFD and Motor; additional cos	Exhaust on in Fire, Lights out in Fire, Fans modulate		
0N 10/01/2023 Rev. 03			www.captiveaire.com
FS-1: MASTER			- Puyallup - R4 Southwest,
VALVE POWER IPES & GROUND IDC WIRE TO LGV & N1D VAC WIRE TO GAS & N1 S VALVE STAINER MUST BE STAILED UPSTREAM VALVE			International Village (Gas) - 110 9th Avenue S
			DATE: 2/5/202 DWG.#: 7322372 DRAWN JL - R BY: JL - R SCALE: 3/4" = 1'-0
		City of Development & /SSUE Building Engineering Fire	Puyallup Permitting Services D PERMIT Planning



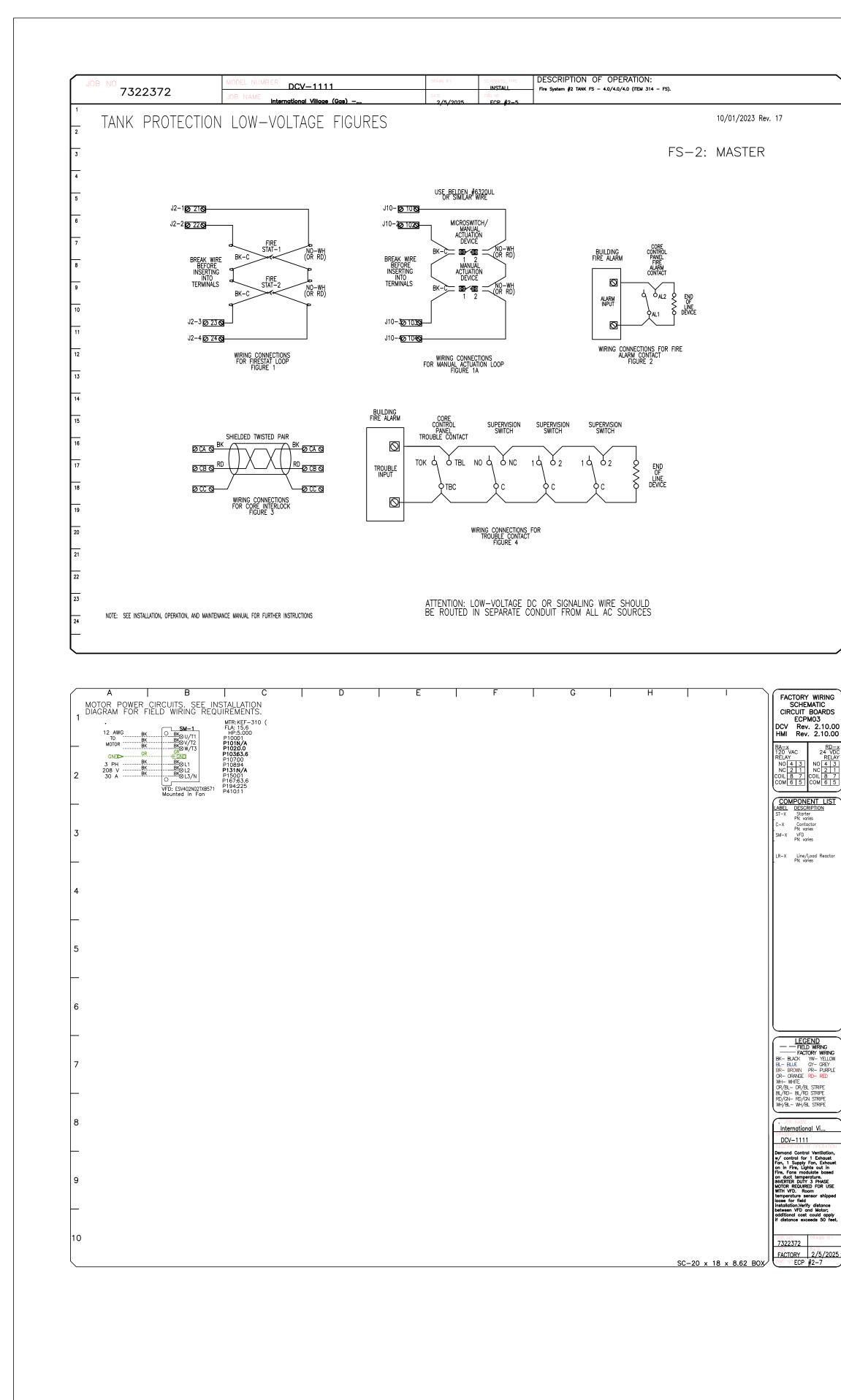
REVISION	5
	DATE:
www.captiveaire.com	Seattle Office         Seattle Office           114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com         Image: Complexity c
International Village (Gas) – Puyallup – R4 110 9th Avenue Southwest,	<sup>52</sup> Puyallup, WA, 98371
DATE: 2/5/20	25
7322372	
BRAWN BY: JL - I SCALE:	R85
<b>SCALE:</b> 3/4" = 1'-	
MASTER DRAV	VING
SHEET No. 24	<b>o.</b>

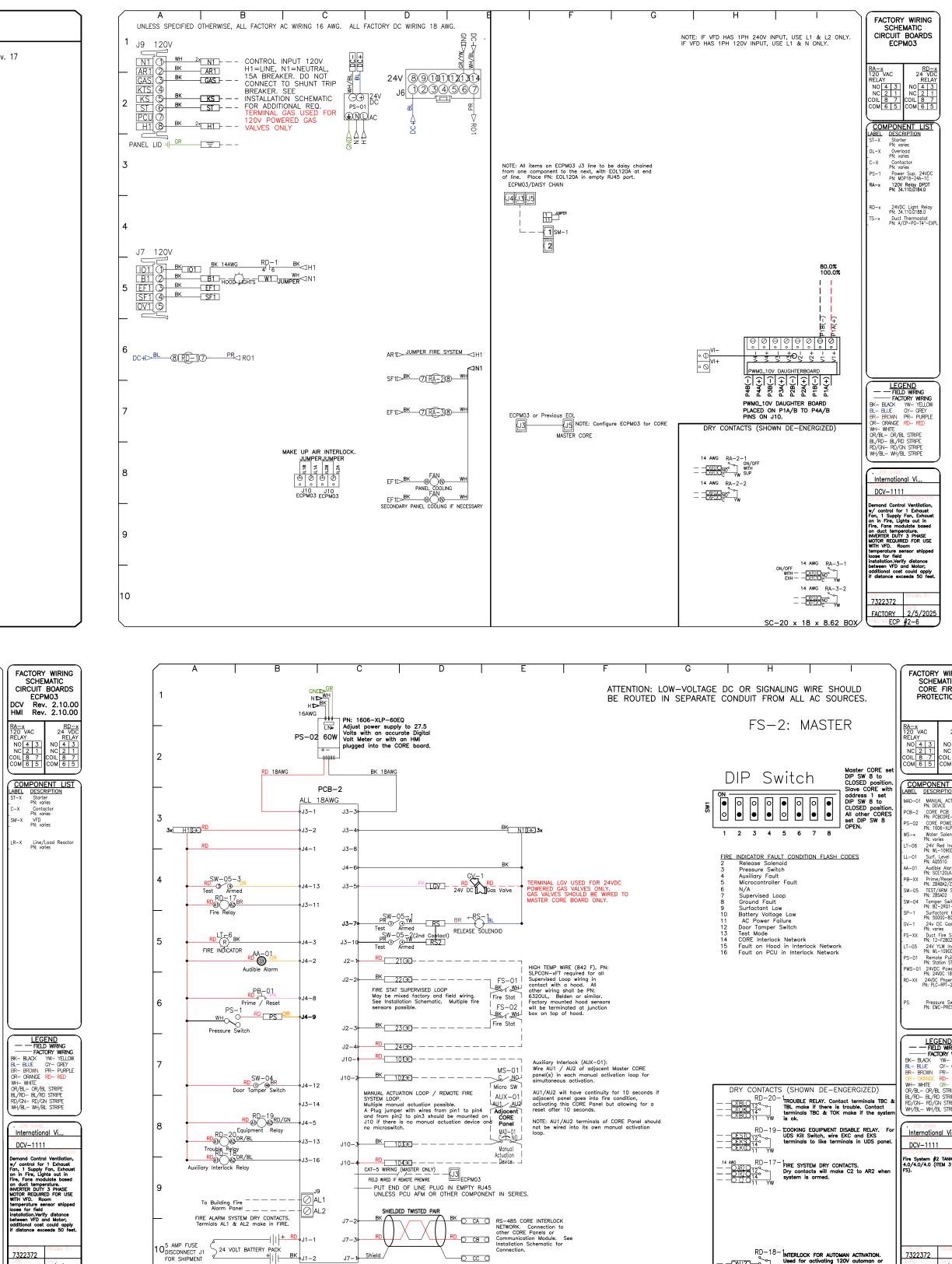


JOB NO 7322372	MODEL NUMBER DCV-1111	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION: Demand Control Ventilation, w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate bu
1322312	JOB NAME International Village (Gas)	DATE 2/5/2025	DWG NO ECP #2-2	Demand Control Ventilation, w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate b on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify distance between VFD and Motor; additional cost could apply if distance exceeds 50 feet.
ALARM  ALARM  ALARM  TROUBLE RELAY CONTAG  ALARM  TROUBLE RELAY CONTAG  CONTROL PANEL  CONTROL P	BUILDING ALLY CLOSED TS WILL ROUBLE RE SYSTEM INSTALLER COMPONENT FIRE STATS FIRE STAT	2/5/2025	ECP #2-2	
panel(s) in each manual ac	Y BE INLINE. UG VI BE INLINE. UG DL120A BLACK MASTER CORE BLACK MASTER CORE BLACK MASTER CORE BLACK MASTER CORE BLACK MASTER CORE BLACK MASTER CORE SHIELD O CB SHIELD O CC			



	REVISIONS DESCRIPTION DATE:
	6 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	A, 98107 PHONE: (425) 212 - 5996 FAX: 425212
	114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 599
	) - Puyallup - R4 Southwest, 371
	International Village (Gas) - Puyallup - R4 110 9th Avenue Southwest, Puyallup, WA, 98371
	DATE: 2/5/2025 DWG.#: 7322372 DRAWN JL - R85 BY: JL - R85 SCALE: 3/4" = 1'-0"
City of Puyallup Development & Permiting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	MASTER DRAWING SHEET NO. 25





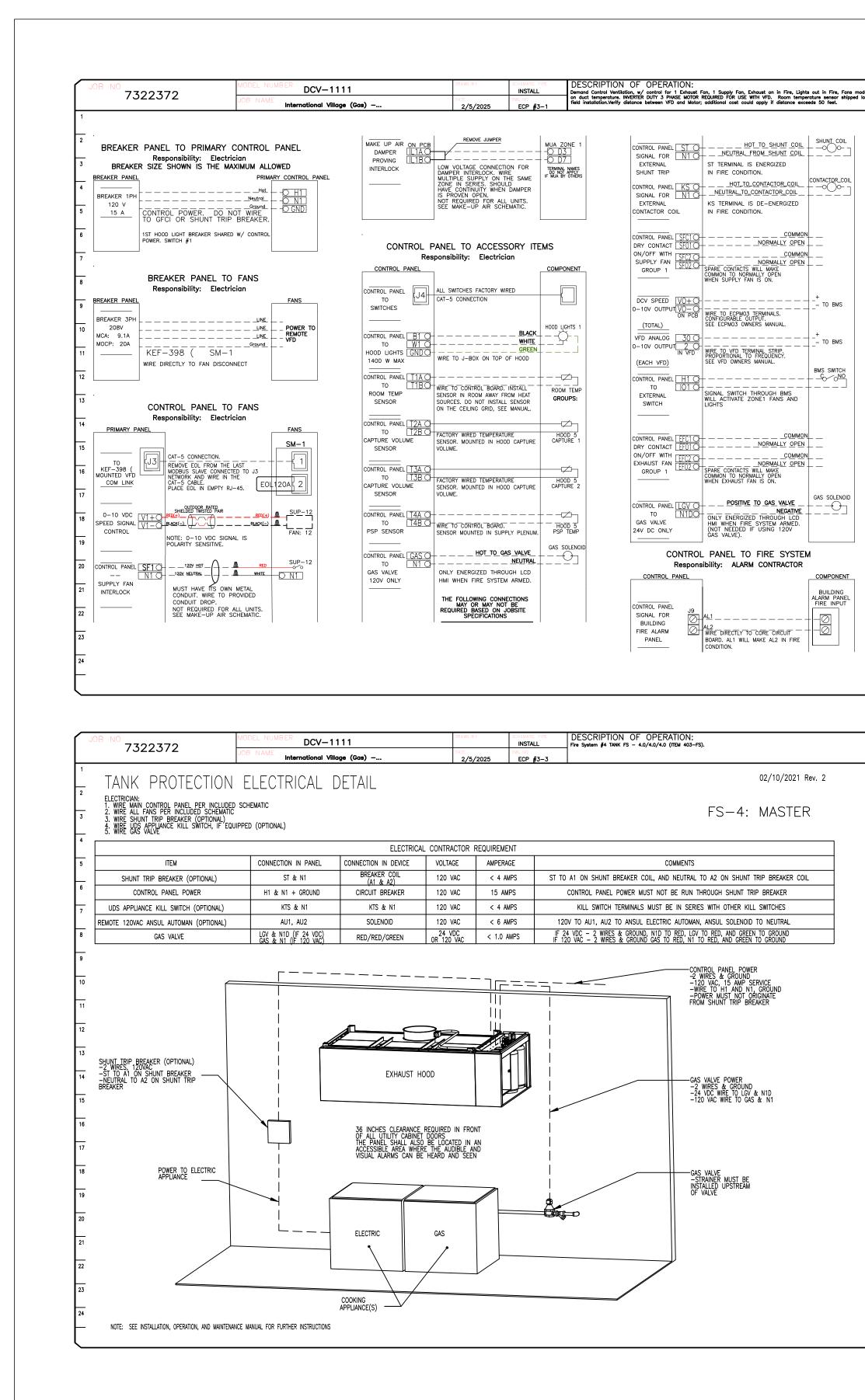
RD-18-AUTO 14 - DAUTO 14 - DAUTO 11 - DAUTO 11 - Wased for activating 120V automan or adjacent Master CORE panels during active Fire Condition.

5 AMP FUSE

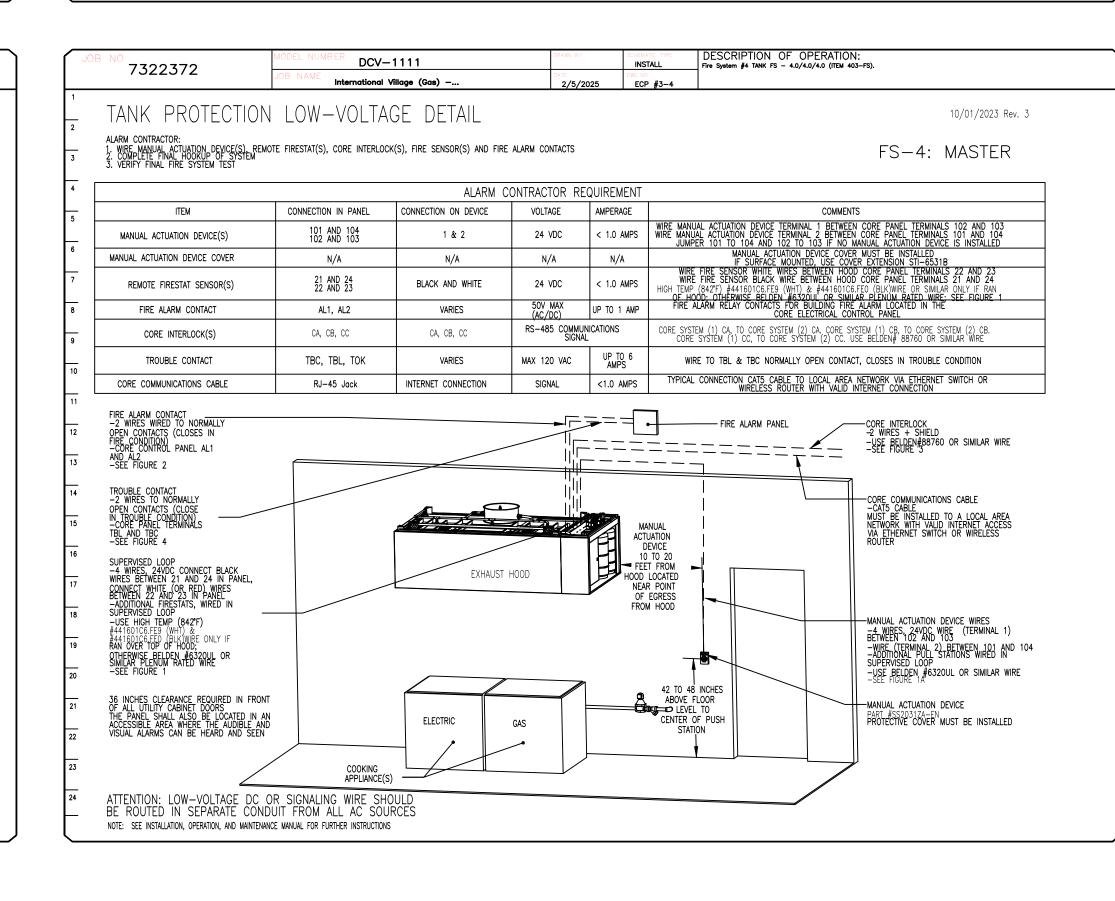
IODISCONNECT JI S24 VOLT BATTERY PACK

\_\_\_\_J7\_1 \_\_\_\_\_Shield

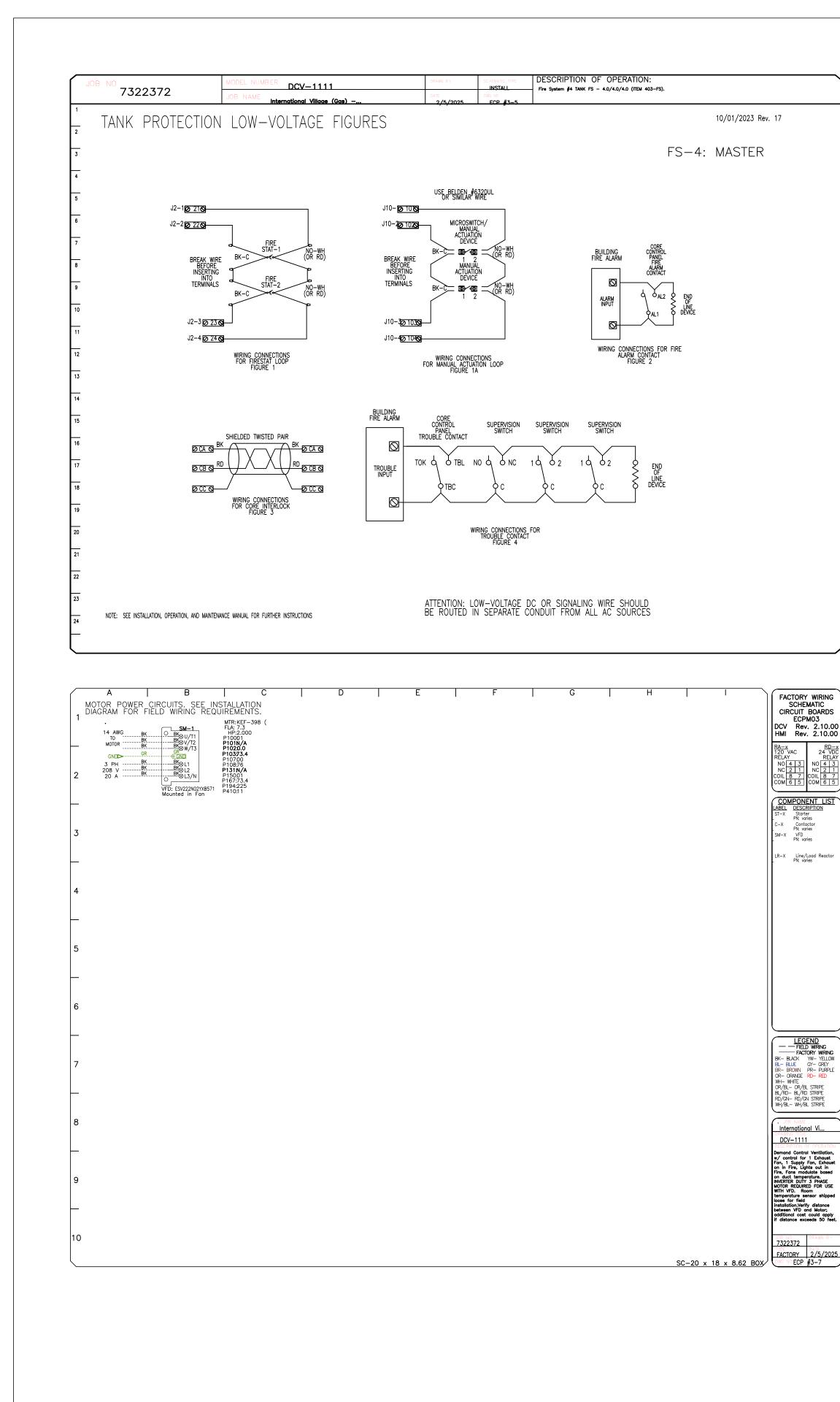
TORY WIRING SCHEMATIC           SCHEMATIC           SCHEMATIC           2000000000000000000000000000000000000	PERCISIONS         DESCRIPTION
Technome       Technome       Starting	<b>114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 425212</b>
$ \begin{array}{c} \mathbf{H} \\ \mathbf$	e (Gas) - Puyalup - R4 inue Southwest, , 98371
$ \frac{1}{2} + 1$	by $\theta$ and $\theta$
City of Puyallup Development & Permitting ISSUED PERMIT Building Plan Engineering Public Fire Tra	Norks SHEET NO.

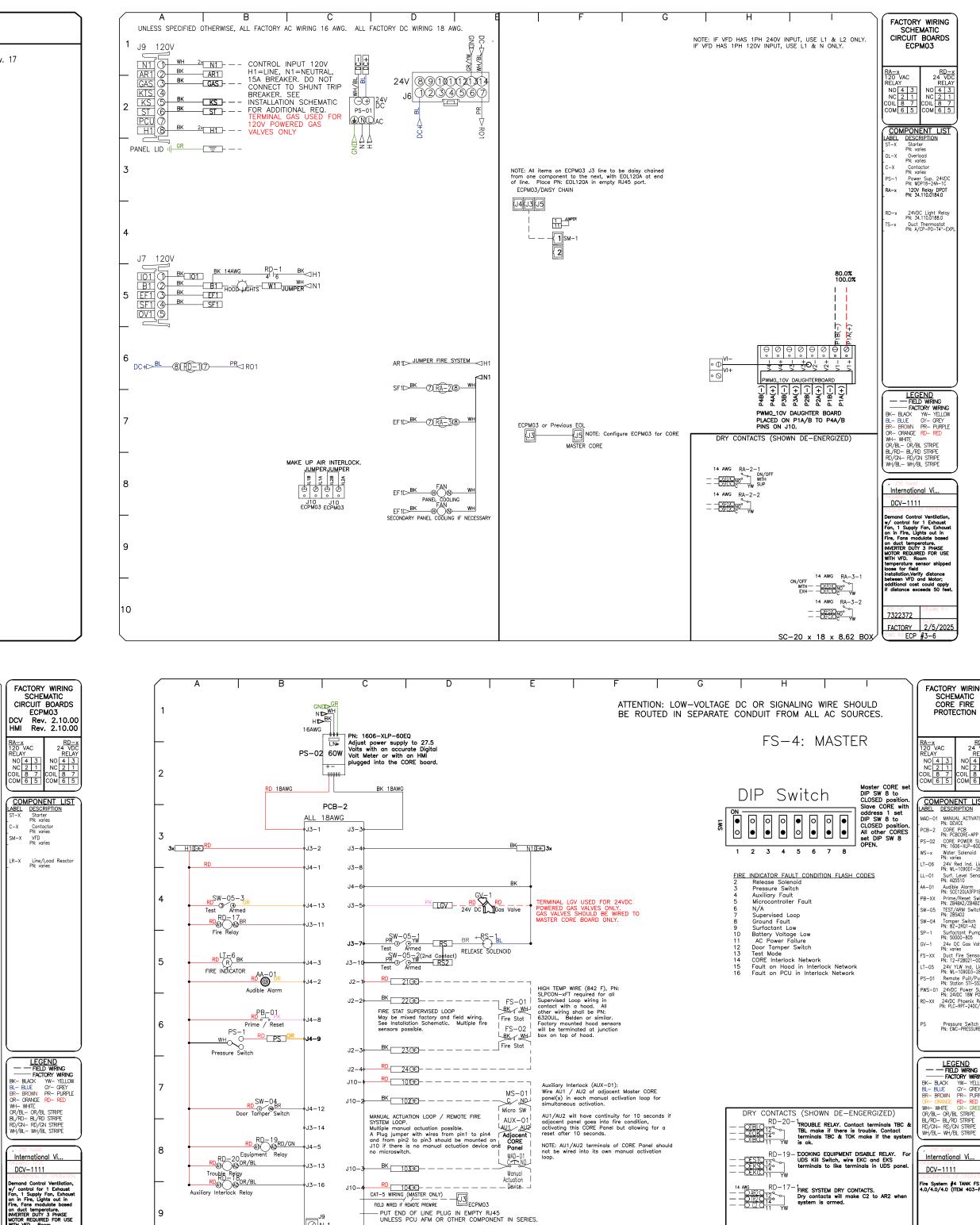


INSTALL         Demand Control Ventilation, w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fan, Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fan, Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fan, Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fan, Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fan, Exhaust Fan, 1 Supply Fan, Exhaust Fan, 2 Supply Fa		DCV-1111	DC	370	OB NO 73223	J
	DATE 2/5/2025	ational Village (Gas) —	JOB NAME Internation	572	/5223	
	DATE 2/5/2025			NORMAL     TROUBLE RELAY CONTACT     MAKE TBC TO TBL IN TR     CONDITION.      OL PANEL TO FIRI     sibility: CERTIFIED IN      FIRE STAT SUPERVISED I.      See Installation Schemati     sensors possible.     HIGH TEMP WIRE (842 F)     SLPCON-xFT required for     Loop wiring in contact w     other wiring shall be PN.     See Installation Schemati     sensors possible.     HIGH TEMP WIRE (842 F)     SLPCON-xFT required for     Loop wiring in contact w     other wiring shall be PN.     HIGH TEMP WIRE (842 F)     SLPCON-xFT required for     Software statement in the supervised actuat     Multiple manual actuation pos     A Plug jumper with wires fro     and from pin2 to pin3 is more remove the jumpers and     wire in the supervised actuat     Microswitch MS-01 is optional system interlock.     Auxiliary Interlock (AUX-01):     Wire for a for a digacent     ponel(s) in each manual actuation. See     drawings for more information	CONTROL PANEL SIGNAL FOR BUILDING TBC C TROUBLE TBL C ALARM CONTRO	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15



	REVISIONS       DESCRIPTION     DATE:       A
	11 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	International Village (Gas) - Puyallup - R4 110 9th Avenue Southwest, Puyallup, WA, 98371
	DATE: 2/5/2025 DWG.#: 7322372
	DRAWN BY: JL - R85
	<b>SCALE:</b> 3/4" = 1'-0"
	MASTER DRAWING
City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	<b>SHEET NO.</b> 27





To Building Fire \_\_\_\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ Alarm Panel \_\_\_\_\_ \_\_ \_\_ \_\_ \_\_

FIRE ALARM SYSTEM DRY CONTACTS. Termials AL1 & AL2 make in FIRE.

IODISCONNECT JI S24 VOLT BATTERY PACK

5 AMP FUSE

م\_\_\_\_\_ا||<del>|+\_\_RD|</del>J1–1

AL1

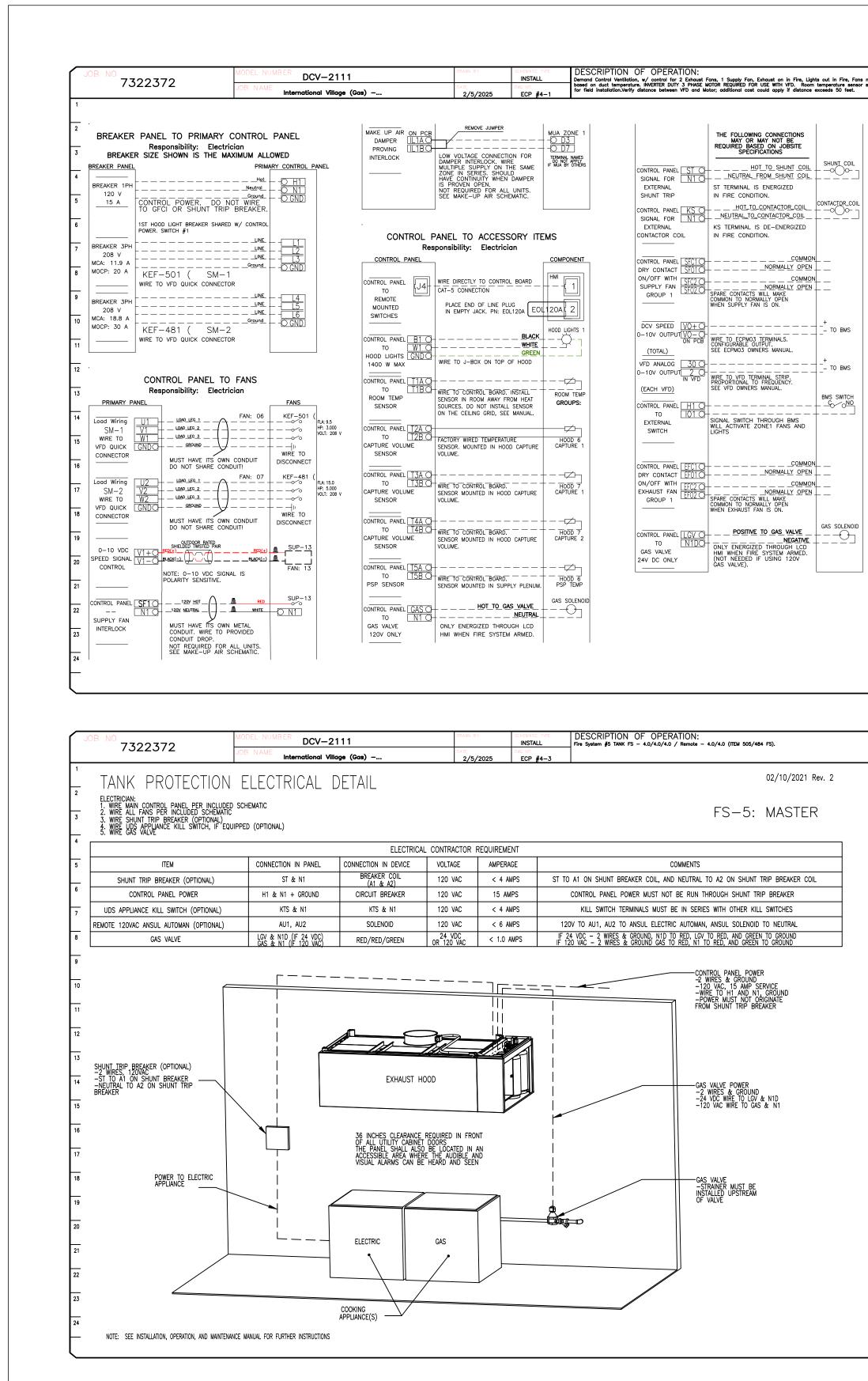
\_\_\_\_J7\_1 \_\_\_\_\_Shield

RD-18-AUTO 14 - DAUTO 14 - DAUTO 11 - DAUTO 11 - Wased for activating 120V automan or adjacent Master CORE panels during active Fire Condition.

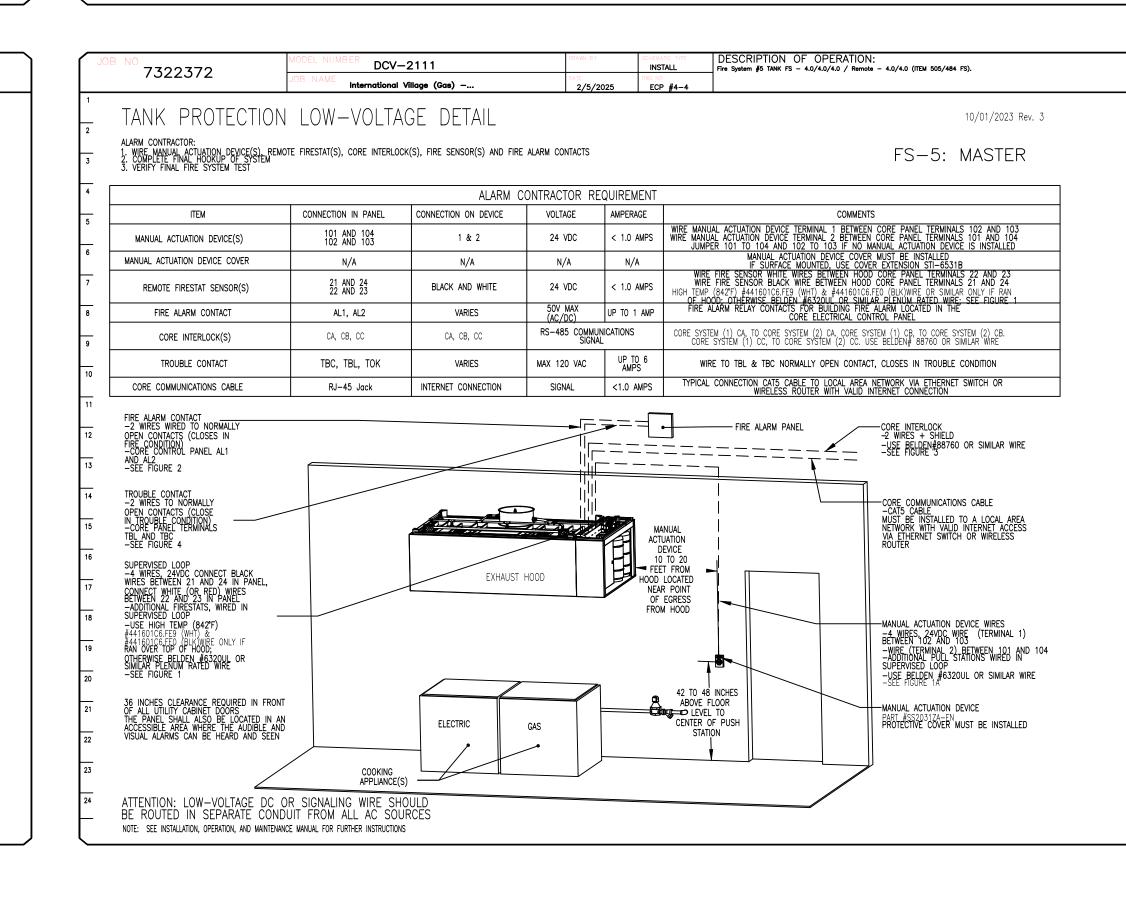
7322372

FACTORY 2/ DWG NO ECP #3-

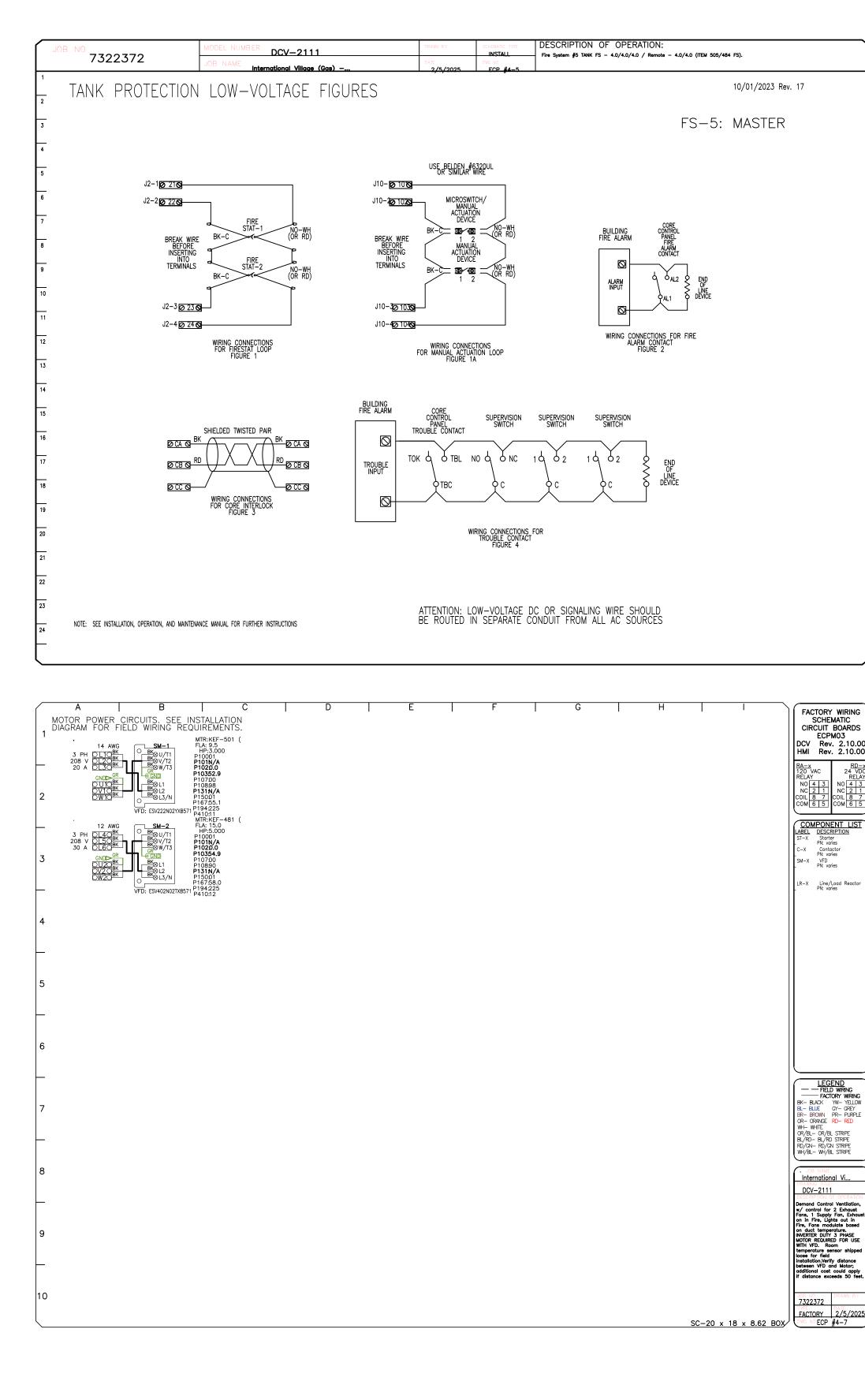
		REVISIONS         DESCRIPTION       NUMU: Capitorality         NUMU: Capitorality, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5396 FAX: 4252125938 EMAIL: reg85@capitorality.com
PORTS         PORTS		<ul> <li>Puyallup – R4</li> <li>Southwest,</li> <li>371</li> <li>114 NW Canal St, #300, Seattle, WA, 98107 PHON</li> </ul>
T-2402/21 Switch RESSURE PURION - GREY - PURION - GREN IMPE IMPE IMPE IMPE IMPE - STEIN MON BY V - 8 - 8 - 8 - 8 - 8 - 8 - 8 - 8		International Village (Gas) 1 10 9th Avenue Puyallup, WA, 98, BM <b>P</b> :
		7322372 DRAWN BY: JL – R85 SCALE:
	City of Puyallup	3/4" = 1'-0" MASTER DRAWING
	Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	SHEET NO. 28

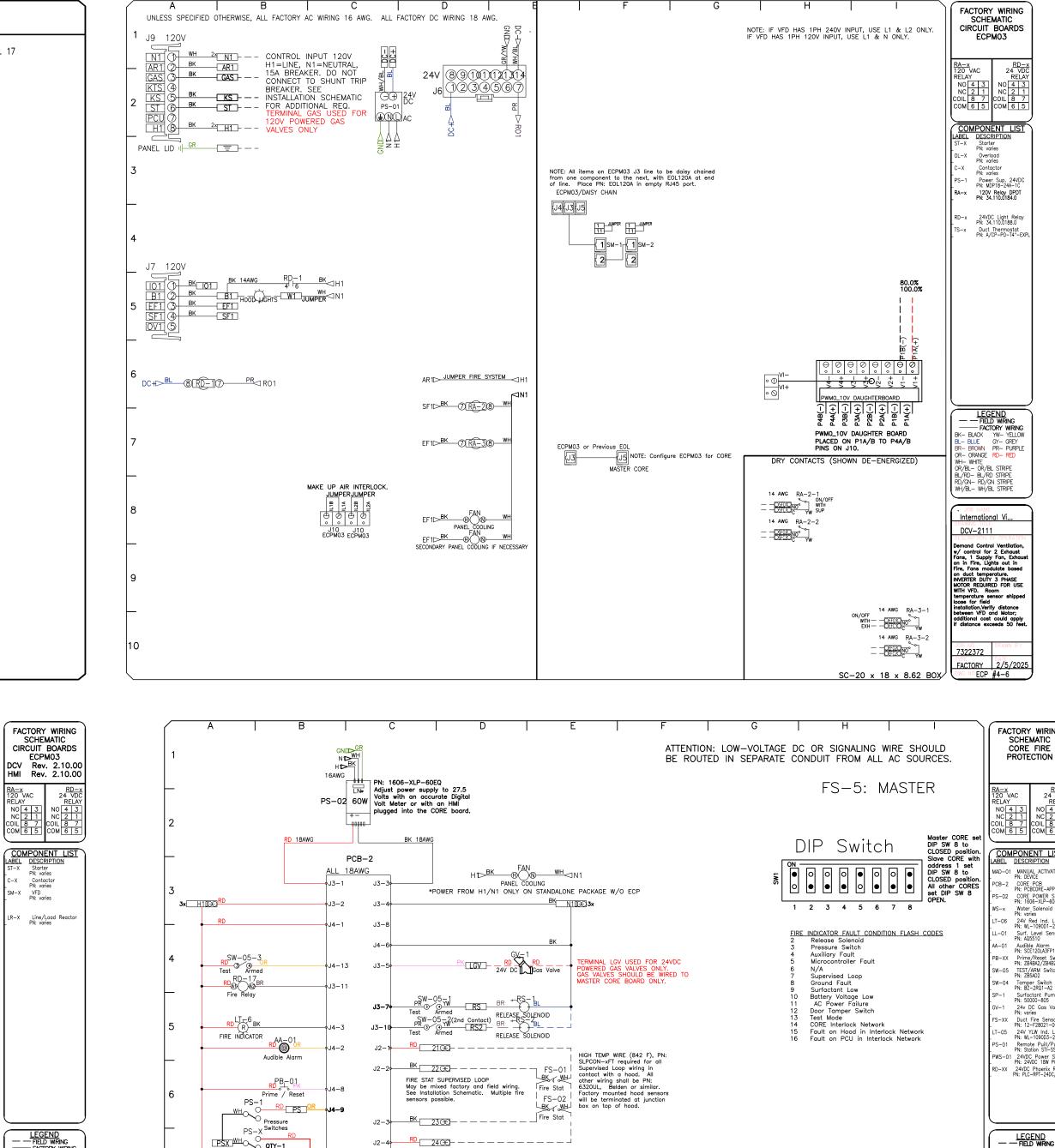


7322372	MODEL NUMBER DCV-2111	DRAWN BY	INSTALL DE	SCRIPTION OF OPERATION: and Control Ventilation, w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate
/5225/2	JOB NAME International Village (Gas) —.	DATE 2/5/2025	DWG NO ECP #4-2	and Control Ventilation, w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate ad on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped lo field installation.Verify distance between VFD and Motor; additional cost could apply if distance exceeds 50 feet.
1       2       CONTROL PANEL TO FIR         3       Responsibility: ALARM CO         3       CONTROL PANEL         4       SIGNAL FOR         5       SIGNAL FOR         6       PANEL         7       CONTROL PANEL         8       BUILDING         7       CONTROL PANEL         9       SIGNAL FOR         8       BUILDING         10       CONTROL PANEL         10       CONTROL PANEL         10       CONTROL PANEL         10       CONTROL PANEL         11       CONTROL PANEL         12       CONTROL PANEL         13       CONTROL PANEL         13       CONTROL PANEL	International Village (Gas)       RE SYSTEM       NTRACTOR       BUILDING ALARM PANEL FIRE INPUT       CONT AL2 IN FIRE       BUILDING ALARM PANEL FIRE INPUT       CONT AL2 IN FIRE       BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL BUILDING ALARM PANEL CONT FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE BUILDING ALARM PANEL FIRE FIRE SCOMPONENT       COMPONENT       COMPONENT       FIRE STATS       COOP       FIRE STATS       COOP       FIRE STATS       COOP       FIRE STATS       FIRE STATS       COP       FIRE STATS       FIRE STATS	THERLOCK NETWORK ITROL PANEL CA O TO CB O ASTER FS CC O WIRE TO LIKE TERMINALS CORE PANELS THAT MUST TO CB O WIRE TO LIKE TERMINALS CORE PANELS THAT MUST TO CHER SET MASTER & DIF SWITCHES PER FIRE S MANUAL. ITROL PANEL TO RESSURE SWITCH TO RS20 WIRING DIAGRAM FOR A PRESSURE SWITCHES IN WIRING DIAGRAM FOR R RELEASE NILDO WIRING DIAGRAM FOR R RELEASE SOLENOID.	BLACK MASTER CORE CA CA SHIELD OCB SHIELD OCC ACTIVATE SLAVE STRM SERIES. BR R S-2 BR BR BR	
May be mixed factory a See Installation Schemat sensors possible. HIGH TEMP WIRE (842 F	dield wiring.     BK     WH       tic.     Multiple fire     Fire Stat       )>     PS     FS-02       with a hood.     All     BK        SK     WH       i: 6320U,     Fire Stat        Fire Stat        MS-01       REMOTE FIRE     Micro SW       vasible.     All X-01       asibile.     AUX-01       AUX_01     AUX_01			



	REVISIONS DESCRIPTION DATE:
	www.captiveaire.com
	ww.capt
	35@capt
	AlL: reg
	114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	4252125
	96 FAX:
	<b>e Offi</b>
	<b>Seattle Offi</b> NE: (425) 212 - 59
	S NOH Z
	A, 9810
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	#300, S
	Canal St,
	14 NW C
	, R4
	nternational Village (Gas) - Puyallup - 110 9th Avenue Southwest Puyallup, WA, 98371
	- P SoL 371
	Gds) 98,
	dge ( Ven VA,
	International Village (Gas) - F 110 9th Avenue Sou Puyallup, WA, 98371
	ationa 9t allu
	ntern ⊃uy.
	DATE: 2/5/2025
	DWG.#:
	7322372 DRAWN BY: JL - R85
	SCALE:
	3/4'' = 1'-0'' MASTER DRAWING
	MAGIER DRAWING
City of Puyallup Development & Permitting Services / ISSUED PERMIT	
Building     Planning       Engineering     Public Works       Fire     Traffic	SHEET NO.
	29





J2-3 BK 2300 ---- Fire Stat

J10-4 CAT-5 WIRING (MASTER ONLY) FIELD WIRED IF REMOTE PREWIRE CPM03

 J10 RD
 10020
 Auxiliary Interlock (AUX-01):

 J10-2
 BK
 10220
 Auxiliary Interlock (AUX-01):

 J10-2
 BK
 10220
 Auxiliary Interlock (AUX-01):

 MANUAL ACTUATION LOOP / REMOTE FIRE
 AUX-01
 Auxiliary Interlock (AUX-01):

 MANUAL ACTUATION LOOP / REMOTE FIRE
 AUX-01
 Auxiliary Interlock (AUX-01):

 MANUAL ACTUATION LOOP / REMOTE FIRE
 AUX-01
 Auxiliary Interlock (AUX-01):

 Multiple manual actuation possible.
 AUX-01
 Auxiliary Interlock (AUX-01):

 A Plug jumper with wires from pin1 to pin4 or for the condition, no microswitch.
 Auxiliary Interlock (AUX-01):

 OTH
 AUX-01
 AUX-01

 AUX-02
 Remote continuity for 10 seconds if adjocent panel goes into fire condition, activating this CORE Panel but allowing for a reset after 10 seconds.

 OTH
 OTH
 AUX-01

 MD-01
 MD-01
 MD-01

 MAD-01
 MD-01
 NOTE: AU1/AU2 terminals of CORE Panel should not be wired into its own manual activation loop.

\_\_ Device\_ \_\_I



Trouble Relay RD 18 RD 000/BL

Auxiliary Interlock Relay

5 AMP FUSE

OTV-2 PRESSURE SMOULD BE WIRD IN SERIES. A TERMINAL BLOCK SHOULD BE ADDD BETWEED LACK PRESSURE SWITCH \*\*REMOTE TANK CABINET REDUIKES FIELD WIRING RD 00 BR Door Tamper Switch

RD-19 RD/GN J4-5

— J3–13

∳J3–16

AL1

\_\_\_\_J7\_1 \_\_\_\_\_Shield

RD-20 RD-20

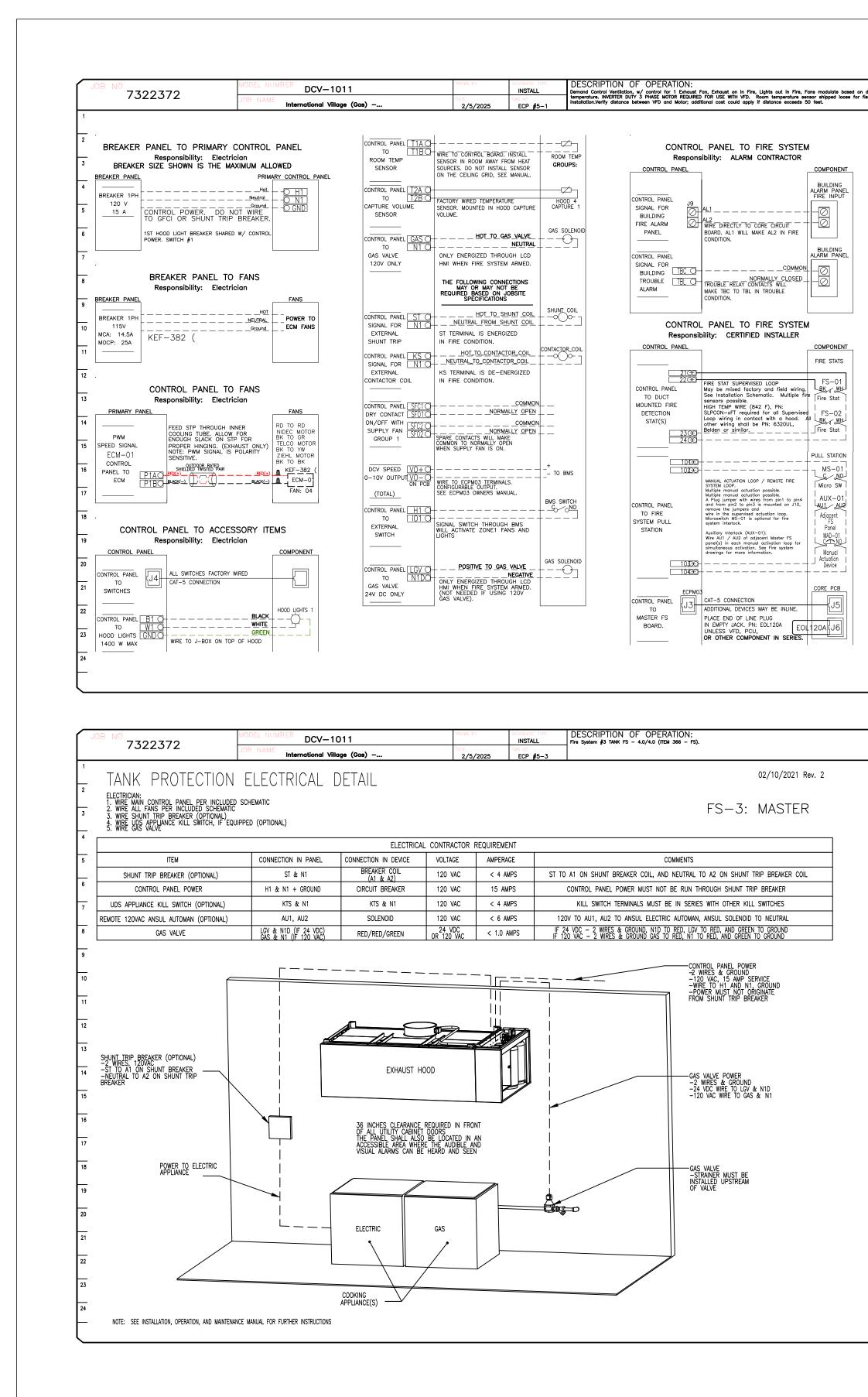
To Building Fire \_\_\_\_\_ \_\_\_ \_\_\_ Alarm Panel \_\_ \_\_ \_\_ \_\_\_

FIRE ALARM SYSTEM DRY CONTACTS. Termials AL1 & AL2 make in FIRE.

IODISCONNECT JI S24 VOLT BATTERY PACK

م\_\_\_\_\_ا||<del>|+\_\_RD|</del>J1–1

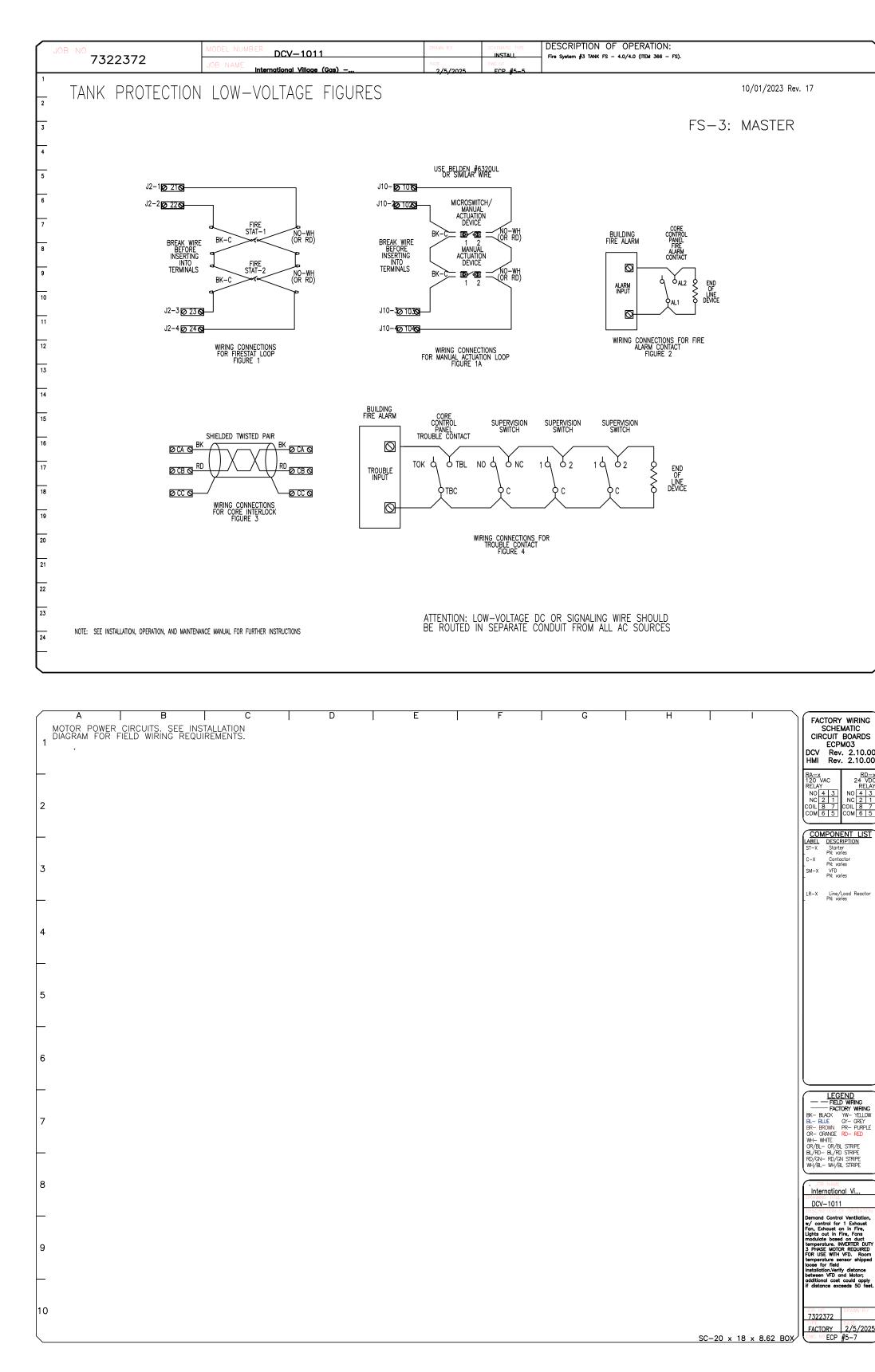
	RD-x       4 VDC       RELAY       21       8       7       6       5		REVISIONS         DESCRIPTION       DATE:         O       O        <
$SO.0%_{100.0%}$ $I = 1$ $I =$	G RRINC ICOM CY RPLE D C E E D C C C C C C C C C C C C C		114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
AGE DC OR SIGNALING WIRE SHOULD ATE CONDUIT FROM ALL AC SOURCES. FS-5: MASTER	4 1 3 2 1 3 7 5 1 5 COM 6		st, - R4
DRY CONTACTS (SHOWN DE-ENGERGIZED) RD-20- TROUBLE RELAY. Contact terminals TBC & TBL make if there is trouble. Contact TBL make if	Remote Puil/Push PN: Station S2331 1 24VDC Power Suppl PN: 24VDC Phoenix. Relay PN: PLC-RPT-24DC/21 PN: PL		International Village (Gas) – Puyallup 110 9th Avenue Southwe Puyallup, WA, 98371
RD-18-INTERLOCK FOR AUTOMAN ACTIVATION. Used for activating 120V automan or adjacent Master CORE panels during active Fire Condition.	DATE		DATE: 2/5/2025 DWG.#: 7322372 DRAWN JL - R85 SCALE: 3/4" = 1'-0" MASTER DRAWING
		City of Puyallup Development & Permitting Services /ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	SHEET NO. 30

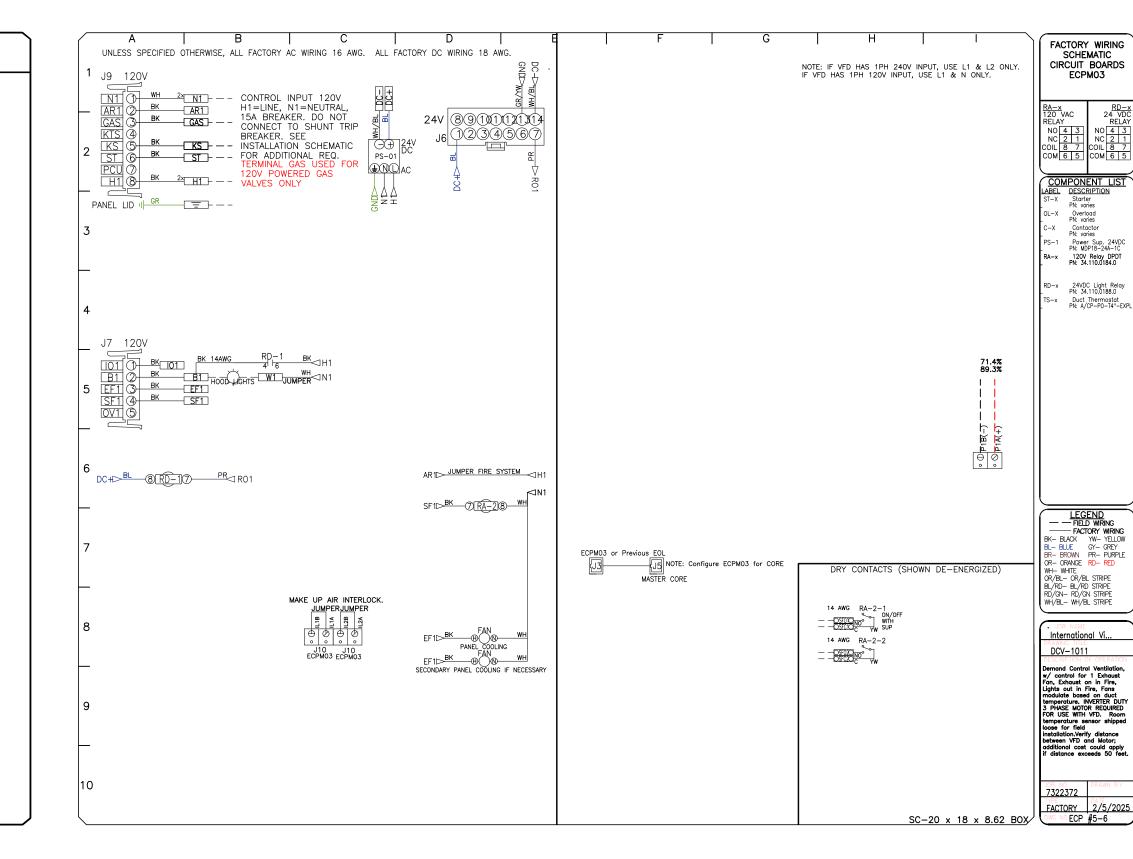


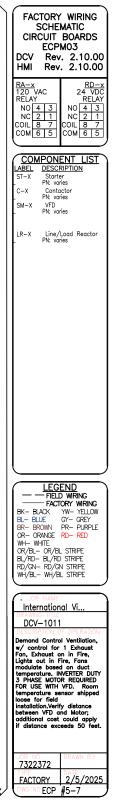
JOB NO 7322372	MODEL NUMBER DCV-1011	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION: Demand Control Ventilation, w/ control for 1 Exhaust Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose f installation.Verify distance between VFD and Motor; additional cost could apply if distance exceeds 50 feet.
	JOB NAME International Village (Gas)	DATE 2/5/2025	ECP #5-2	installation.Verify distance between VFD and Motor; additional cost could apply if distance exceeds 50 feet.
1				
_ INTERLOCK NETWORK SHIELDED TWISTED				
MASTER FS CC WIRE TO LIKE TEF PANEL CORE PANELS TH. TOGETHER, SET M DIP SWITCHES PE MANUAL.	AT MUST ACTIVATE ASTER & SLAVE DE FIDE SYSTEM			
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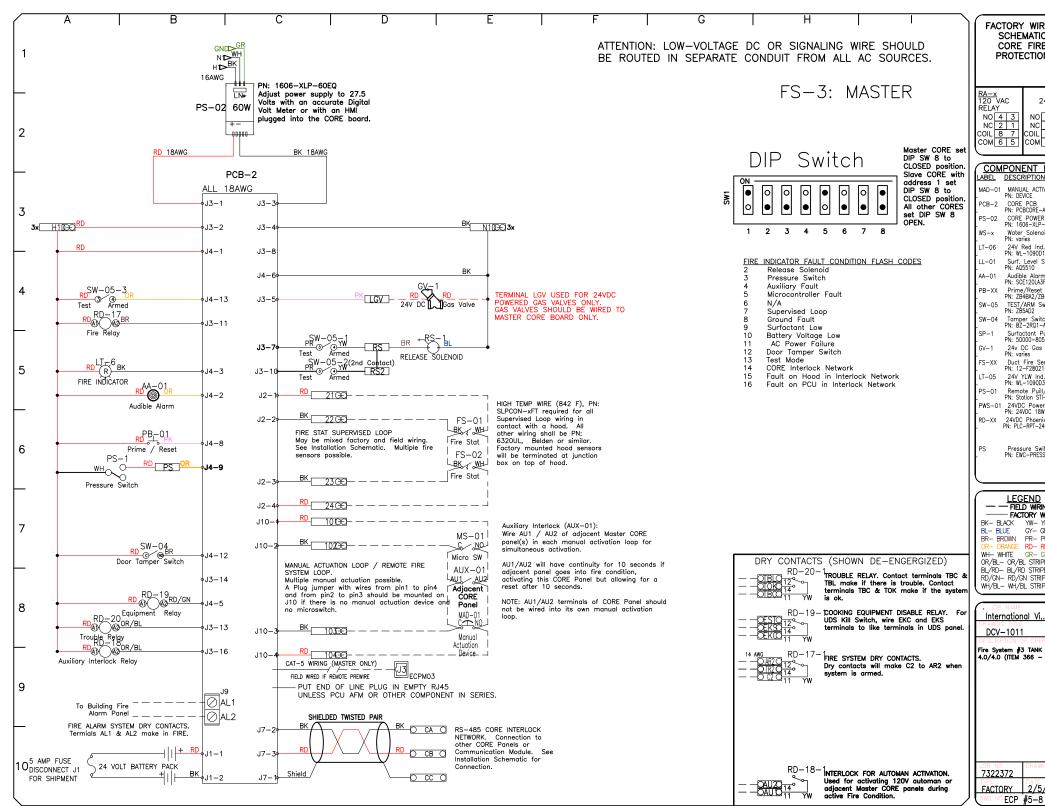
7322372	JOB NAME	-1011	DATE	DWG N	o	DESCRIPTION OF OPERATION: Fire System #3 TANK FS - 4.0/4.0 (ITEM 366 - FS). 
	International	Village (Gas) —	2/5/2	2025 EC	P #5-4	
TANK PROTECTIO	N LOW-VOLTA	GE DETAIL				10/01/2023 Rev. 3
ALARM CONTRACTOR:						
1. WIRE MANUAL ACTUATION DEVICE(S) R 2. COMPLETE FINAL HOOKUP OF SYSTEM 3. VERIFY FINAL FIRE SYSTEM TEST	EMOTE FIRESTAT(S), CORE INTERLO	CK(S), FIRE SENSOR(S) AND FIR	E ALARM CONTACTS			FS-3: MASTER
J. VENIFI FINAL FINE STOLEM TEST						
			CONTRACTOR RE	1	-	
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	WIRE MAN	COMMENTS UAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MAN	UAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 UAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 PER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	WIR	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B F FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE DAMEL TERMINALS 22 AND 23
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIR HIGH_TEMP	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 E FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 2 (842°F) #44160166.FE9 (WH7208 #44160166.FE0 (BLK)WIRE OFF SUMLAR ONLY IF RAN 2 (842°F) #44160166.FE9 (WH7208 #44160166.FE0 (BLK)WIRE OFF SUMLAR ONLY IF RAN 2 (942°F) #44160166.FE9 (WH7208 #400 SUMLAP ONLY IF RAN 2 (942°F) #44160166.FE9 (WH7208 HAP ONLY IF RAN 2 (940°F) #4416000 FE9 (WH7208 HAP ONLY IF RAN 2 (940°F)
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP		<u>OOD: OTHERWISE BEIDEN #52010" OR SIMILAR PLENUM RATED WIRF. SEE FIGURE 1</u> ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMU SIGNA		CORE SYS	TEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. E SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS		IRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAI	L CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION
						WIRELESS ROUTER WITH VALID INTERNET CONNECTION
FIRE ALARM CONTACT -2 WIRES WIRED TO NORMALLY OPEN CONTACTS (CLOSES IN FIRE CONDITION) -CORE CONTROL PANEL AL1 AND AL2 -SEE FIGURE 2						FIRE ALARM PANEL 
TROUBLE CONTACT -2 WIRES TO NORMALLY OPEN CONTACTS (CLOSE IN TROUBLE CONDITION) -CORE TANEL TERMINALS		A A A A A A A A A A A A A A A A A A A				CORE COMMUNICATIONS CABLE -CAT5 CABLE MUST BE INSTALLED TO A LOCAL AREA NETWORK_WITH VALID INTERNET ACCESS
-CORE PANEL TERMINALS TBL AND TBC -SEE FIGURE 4					anual Tuation Device	NETWORK WITH VALID INTERNET ACCESS VIA ETHERNET SWITCH OR WIRELESS ROUTER
SUPERVISED LOOP -4 WIRES, 24VDC CONNECT BLACK WIRES BETWEEN 21 AND 24 IN PANEL,		EXHAUST	HOOD	FE FE	0 TO 20	-¦ ╓────┐
WIRES BETWEEN 21 AND 24 IN PANEL, CONNECT WHITE (OR RED) WIRES BETWEEN 22 AND 23 IN PANEL -ADDITIONAL FIRESTATS, WIRED IN SUPERVISED LOOP		EAFIAUST		NE/ OF	LOCATED AR POINT EGRESS	
-AUDITIONAL FIRESTATS, WIRED IN SUPERVISED LOOP -USE HIGH TEMP (842°F) #ANTAGUIGE EEQ (WHT) %				FRC	DM HOOD	
USE HIGH TEMP (842'F) #441601C6.FE9 (WHT) & #441601C6.FE9 (BLKWRE ONLY IF RAN OVER TOP OF HOOD; OTHERWISE BELDEN #6320UL OR SMILAR PLENUM RATED WRE					_	HAND THE REPORT OF THE POLL STATIONS WIRED AND 104
SIMILAR PLENUM RAIED WIRE -SEE FIGURE 1				1	42 TO 41	SUPERVISED LOOP -USE BELDEN #6320UL OR SIMILAR WIRE -SEE FIGURE 1A
36 INCHES CLEARANCE REQUIRED IN FR( OF ALL UTILITY CABINET DOORS THE PANEL SHALL ALSO BE LOCATED IN ACCESSIBLE AREA WHERE THE AUDIBLE / VISUAL ALARMS CAN BE HEARD AND SEE						FLOOR L TO
ACCESSIBLE AREA WHERE THE ACDIBLE VISUAL ALARMS CAN BE HEARD AND SEE	ŃĎ N	ELECTRIC	GAS		CENTER STAT	OF PUSH
/	COOKING APPLIANCE(			J		
ATTENTION: LOW-VOLTAGE DC		,				
BE ROUTED IN SEPARATE CO	NDUIT FROM ALL AC SO	JRCES				
JOTE: SEE INSTALLATION OPERATION AND MAINTE	NANCE MANUAL FOR FURTHER INSTRUCTIO	IS				

	REVISIONS       DESCRIPTION     DATE:       A
	Image: Second
	114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com
	International Village (Gas) - Puyallup - R4 110 9th Avenue Southwest, Puyallup, WA, 98371
	DATE: 2/5/2025 DWG.#: 7322372 DRAWN JL - R85 BY: JL - R85 SCALE: 3/4" = 1'-0"
City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	MASTER DRAWING SHEET NO. 31



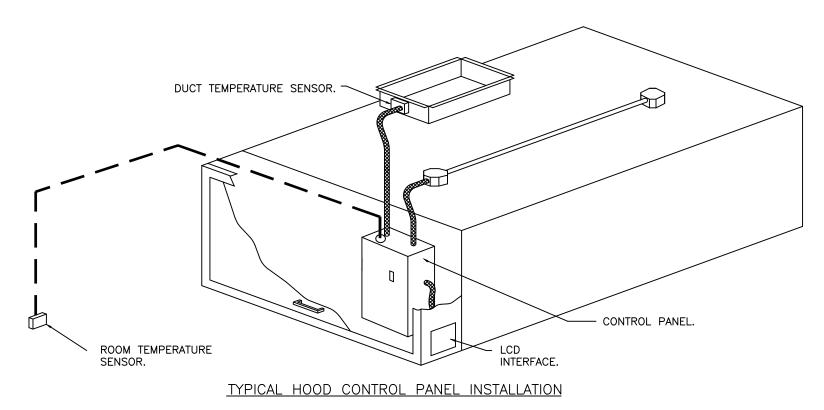






		REVISIONS         DESCRIPTION         DESCRIPTION         NUM. Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5906 FAX: 4252125908 EMAIL: reg85@captiveaire.com
24 VDC RELAY 0 4 3 (2 1 L 8 7 M 6 5		114 NW
LUST LON CTIVATION 3 E-APP WER SUPPLY LP-60E enoid Ind. Light 001-28V 9 Sensor orm LSFP1B est Switch 2/248Z1015 Switch 11-A2 F Pump 805 Sol Sol Sol Sol Sol Sol Sol Sol		Illup - R4 Iwest,
Sil-SazAl IAW PORER Perix Relay -2400/21 Switch rESSURE PURPS - VELLOW - GREY - REP - GREN RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE RIPE - FS).		International Village (Gas) - Puyallup - 110 9th Avenue Southwest, Puyallup, WA, 98371
WN BY /5/2025 -8		DATE: 2/5/2025 DWG.#:
		7322372 DRAWN BY: JL - R85
		<b>SCALE:</b> 3/4'' = 1'-0''
		MASTER DRAWING
	City of Puyallup Development & Permitting Services /ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic	<b>SHEET NO.</b> 32

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS: - CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021). - THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL. - TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL. - A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1. - A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED. – A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING. - VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL. - THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS. - AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN. - THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT. - A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD. – A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE). - AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES: A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED). C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION. D MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION. F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION. G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS. SYSTEM DESIGN VERIFICATION (SDV) IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE. ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES. DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED. THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.



SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- <u>OTHER:</u> THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

$\square$	<b>REVISION</b> DESCRIPTION	S DATE:
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		Seattle Office       Seattle Office         114 NW Canal St, #300, Seattle, WA, 98107 PHONE: (425) 212 - 5996 FAX: 4252125998 EMAIL: reg85@captiveaire.com       Image: Complete State
	International Village (Gas) - Puyallup - R4 110 9th Avenue Southwest,	Puyallup, WA, 98371
D	ATE: 2/5/20	)25
	<b>DWG.#:</b> 7322372	
DI	RAWN BY: JL -	R85
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