

			NOMINAL	. FIFE 3
1"	1 ¼"	1 1/2"	2"	2 ½"
12-0	12-0	15–0	15–0	15–0
12-0	12-0	12-0	12-0	NA
FPA 1	3 HAN	IGER	SPAC	ING
	1" 12-0 12-0 FPA 1	1" 1 ¼" 12-0 12-0 12-0 12-0 FPA 13 HAN	1" 1 ½" 1 ½" 12-0 12-0 15-0 12-0 12-0 12-0 FPA 13 HANGER	1" 1 ½" 2" 12-0 12-0 15-0 15-0 12-0 12-0 12-0 12-0 FPA 13 HANGER SPAC





			8										9)					
بې دې م										— NO PROT	ECTION UNDE LIFT" DOOR	er "high — s (typ.)		F	705: 22. 0*	8" TO R	EMOTE RISE	TO REMO DEPAR CONNECTION
		8 21-0			-6"	8	-0		0		8 21-0	0		<u>8</u> 21–0		0		8 21-0
*	21 <u>2</u> 9–0 2	⁷ 2 0	212 8-6		21 2 10-0	21 2 2-6	212 6-6		<u>212</u> 11-0	2 ¹ 2 3−6	<u>212</u> 4−6	<u>212</u> 10-0	2 6	6 <u>212</u> 6 4-6		212 9-0	<u>212</u> 7-6	21 2 2-6
					10'-0"													
*	21 ₂ 22	¹ 20	2 ¹ 2	*	2 ¹ 2	212 g	2 ¹ 2		<u>212</u>			<u>21 2</u>	<u>2</u>	¹ 2 <u>2¹2</u>		21 ₂	2 ¹ 2	-0 ²¹ 2
	9-0 2	+0 	8-6		0-01 *0	2-6	0-0		11-0	3-6	4—b	10-0	INST.	4-0 ALL EXPOSED	PIPING 8"	9-0	/-6	2-6
					10'-					[w]			C/L	BELOW DECK	(NG (TYP.)			
*	212 9-0 2	-6	212 8-6	*	212 10-0	2 ¹ 2 2-6	212 6-6		<u>21 2</u> 11-0	<u>2</u> 2 3−6	<u>2¹₂</u> 4−6	<u>212</u> 10-0	2 6	6 <u>212</u> 6 4-6	*	212 9-0	<u>212</u> 7-6	2 ¹ 2 2-6
					10'-0"													
*	21 ₂	1 2 0	212 8-6		<u>21 2</u>	212 2-6	2 ¹ 2		2 ¹ 2			<u>21 2</u> 10-0		1_2 2^{1}_2		21 2	212 7-6	-0 ²¹ 2
			0-0		"o	2-0			11-0	5-0	4-0	10-0	U				7-0	
					10'					[w]								
*	21 2 2 -0 2	1 2 0 ⊤6	212 8-6	2 10	<u>21 2</u> 0-0	2 ¹ 2 2-6	2 ¹ 2 6-6		<u>21 2</u> 11-0	<u>2</u> 2 2 3−6	0 <u>212</u> 4−6	<u>21 2</u> 10-0	6	1 <u>2 0 212</u> ⊤6 4−6	*	21 <mark>2</mark>	<u>212</u> 7-6	2 ¹ 2 2-6
					-10'-0"													
*	21 2 <u>2</u> 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		<u>212</u>	₩ <u>2</u>	21 ₂	<u>212</u> 2-6	2 ¹ 2		2 ¹ 2	212 3-6	0 <u>212</u> 4−6	<u>21 2</u> 10-0	2	$\frac{12}{-6}$ $\frac{212}{4-6}$		2 ¹ 2	21 ₂ 7-6	-0 ²¹ 2 2-6
					2,-0"	20			W24x55		+ 0			W24x5	δ		, 0	
			ці І		4'-9"					[8]								
*	21 2 2 2 -0 2	<u>1 2 0</u> +-6	212 8-6	2 10	<u>21 2</u> 0–0	2 ¹ 2 2-6	2 ¹ 2		<u>212</u> 11-0	2 2 3-6	<u>2¹2</u> 4−6	<u>212</u> 10-0	6	1 <u>2 212</u> +6 4-6	*	212 9–0	<u>212</u> 7–6	
					6'-7"													
*	212 2 2-0 2	¹ 2) 6	212 8-6	* 10	<u>21 2</u> 0-0	2 ¹ 2 2-6	2 ¹ 2 6-6		<u>21 2</u> 11-0	2 2 3-6	0 <u>212</u> 4−6	<u>21 2</u> 10-0	2 8 6	1 <u>2 0 212</u> -6 4-6		21 2 9–0	212 7-6	2 ¹ 2 2-6
					9'-7"													
	2 ¹ 2 2 2	1 <u>2 ტ</u>	212	\$	212	<u>212 n</u>	2 ¹ 2	-	212		n <u>212</u>	21 ₂		12 <u>q 21</u> 2		2 ¹ 2	2 ¹ 2	
	-0 2	-6 9	8–6	20 2 11	0-0	²⁻⁶	6–6		11–0	3-6	⊌ 4–6 ≪20S	10–0	* 1 6	−6 [⊌] 4−6		9–0 🕬	7–6	[⊌] 2−6 [∞]
					6,-7					ι δ								
*	<u>212</u> 22 -0 2	¹ 2 0 -6	212 8-6	₩ <u>2</u>	<u>21 2</u> 0-0	2 ¹ 2 2-6	2 ¹ 2 6-6		21 ₂ 11-0	€ 21 2 3-6	0 <u>212</u> 4−6	<u>21 2</u> 10-0	8 2	6 <u>21 2</u> 6 4-6	*	21 2 9-0	<u>212</u> 7-6	2 ¹ 2 2-6
*	2 ¹ 2 2 2	¹ 2 0	2 ¹ 2	₩ 2	<u>21 2</u>	2 ¹ 2 2-6	212		<u>21 2</u>	2 2 2 3-6	<u> 2¹₂</u> 4−6	<u>21 2</u> 10-0	<u> </u>	<u>12 0 212</u> +6 4-6		<u>212</u> 9-0	21 ₂ 7-6	-0 ²¹ 2 2-6
					4'-10"				W24x55					W24x5	5 5			
				-	4,9	- 21	21.	_	21.			21.		1		21	21.0	
*)-0	<u>• 2</u> +-6	8-6	10	0-0	2-6	6-6		11-0	3-6	<u> </u>	10-0	6	+6 4-6		9-0	7-6	
					9'-7"					E.								
*	21 2 9-0	-6	212 8-6	₩ 2	<u>21 2</u> 0-0	2 ¹ 2 2-6	2 ¹ 2 6-6		<u>212</u> 11-0	212 3-6	2 ¹ 2 4-6	<u>212</u> 10-0	* 2	1 <u>2 2¹2</u> -6 4-6	*	<u>212</u> 9-0	<u>212</u> 7-6	2 ¹ 2 2-6
REMOTE	AREA #5				9'-7"											NSTALL EXPO	SED PIPING	8"
5 21.2 %	(501) ⁵ 121.2 2 ¹ 2	¹ 2	2 ¹ 2	*	212	<u>212</u> ĝ	2 ¹ 2		212		Ĵ <u>212</u> ∰	21 ₂		1 <u>2 g 21</u> 2		212	212	
	-0 2	-6	8–6	1	0-0	²⁻⁶	6–6	Ū	11–0	₩ 3–6	• 4-6 •	10–0	6	-6 4-6		9-0 🔍	7–6	• 2-6 ·
5	$(505)^{5}_{121}$				6					* 8								
*	-0	-6	212 8-6		21 2 0-0	2 ¹ 2 2-6	212 6-6		<u>212</u> 11-0	€ 212 3-6	<u>2¹2</u> 4−6	<u>21 2</u> 10-0	<u>€</u> 2	6 <u>21 2</u> 6 4-6	*	21 2 9-0	212 7-6	2 ⁻⁶
,	- _																	
, 21.2 **	$\langle 509 \rangle^{5}_{121.2}$	-6	21 2 8-6	* 10	<u>21 2</u> 0-0	2 ¹ 2 2-6	212 6-6		<u>21 2</u> 11–0	2 2 3-6	0 <u>212</u> 4−Ŕ, ∧	<u>21 2</u> 10-0	2 88 - 2 6	1 <u>2 0 212</u> -6 4-6	*	212 9−0	212 7-6	-0 ²¹ 2 2-6
			-		4'-10'		-		W24x55			╞┙╼╍╸┲		<u>W24x5</u>	Б		+	_
	12 50	12 6	212		⁴ + ²¹ 2	ST 2 ¹ 2 €	212		212			212		1 12 a 2 ¹ 2	A	212	212	ه ²¹ 2 هم















MFG.	MODEL#	ESC.
VIKING	VK-ESFR	N/A
VIKING	VKEC	N/A
VIKING	VK302	SEMI REC
VIKING	VK534	SEMI REC





Design Area #: 5 HAZARD: ESFR Zone: **5** System Type: **WET** Location: WAREHOUSE Flowing Outlets: 12 Head PSI: 52 Remote Area:12 HEADS Req. @ Pump Discharge (BOR): Flow:1464 gpm @ 118.5psi Req. @ City Supply Flow:1714 gpm @ 54.2 psi Calculation Safety: 16.5 psi

Includes 250 gpm Hose allowance

_____ _____ ***8"** 10'-0" <u>+8"</u><u>10'-0"</u> 10'-0" **10'-0**" **- <u>8</u>"** 5 = 0" **-** 5′ - 0" **- 8**" <u>10′ - 0"</u> **10'-0**" (016) (16) م مرکب مرکب (010) ব্যু (011)[№]
√5 <u>(017)</u> مريد (012) ব্যু (013) مريد (014)∾ ≺ র্ لٰیٰ \`\{015} <u>⊳</u> 3–6 10-0 6-6 <u>⊳</u> 4–6 10-0 5-6 4-6 10-0 <mark>6</mark>17 INSTALL MAIN TIGHT -----INSTALL MAIN TIGHT TO "W" BEAM (TYP.) TO "W" BEAM (TYP.) a - maaaaa - m- maaaaa - m - m 0-6 <u>9-</u>0 6<mark>1</mark>7 6<mark>1</mark>7 (P12) (P14) (P18) (P15) (P17 (P10) 6-6 2,2 5-6 ∩ Ľ ∩ **I**-9<mark>6</mark>------~1 7.5 님 70 <u>∼</u>¦ N ЦШ <u>+8</u>" *8" <u>*8"</u> *8" ***8**" *8" *8" *8" (н9) (H16) € (H18) (<u>H12</u>) (H14 <u>(н</u>10 5-6 3-6 6-6 10-0 10-0 7-6 INSTALL MAIN TIGHT ——(TO "W" BEAM (TYP.) WAREHOUSE <u>2</u>12 0-6 212 0-6 $\frac{21}{9-6}$ 9 7 $\frac{21}{9-6}$ ZONE 4 ZONE 3 INSTALL 4" --DRAIN CAP HERE WITH 1" BALL VALVE FOR FOR LOW POINT DRAIN COL DRAIN ON



