CONSTRUCTION ESTIMATE BREAKDOWN

LOGO	IMF JFK - FDA EXPANSION	COMPANY'S DETAIL
	JOHN F. KENNEDY INTERNATIONAL AIRPORT, 250 NORTH BOUNDARY ROAD QUEENS, NEW YORK 11430	
DATE 07/04/2026	SCOPE OF ESTIMATE : FIRE SPRINKLERS & PLUMBING	TOTAL BID $ 327,326

	ITEMS		QUANTITY			MATERIAL		TIME		LABOR			TOTALS	
SR #	CSI SECT./ DETAILS#	DESCRIPTION	UNIT OF MEASURE	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT MATERIAL COST	TOTAL MATERIAL COST	UNIT MANHOURS	TOTAL MANHOURS	CREW RATE	UNIT LABOR COST	TOTAL LABOR COST	TOTAL ITEM COST	TOTAL COST W/ TAX & OH
	DIV. 01	GENERAL CONDITIONS - SPRINKLERS			SUBTOTAL MATERIAL		$ -			SUBTOTAL LABOR		$ 4,200	TRADE TOTAL	$ 4,200	$ 5,502
1		SITE SUPERVISION, FINAL CLEANUP, DUMPSTER	LS	1	0%	1		$ -		0.00		$ 2,600.0	$ 2,600	$ 2,600	
2		MOBILIZATION	LS	1	0%	1		$ -		0.00		$ 1,600.0	$ 1,600	$ 1,600	
	DIV. 02	FIRE SPRINKLERS - DEMOLITION			SUBTOTAL MATERIAL		$ -			SUBTOTAL LABOR		$ 351	TRADE TOTAL	$ 351	$ 459
		FIRE SPRINKLERS DEMOLITION													
3	FP-001- FP-102	1: REMOVE EXISITING PENDENT SPRINKLER	EA	3	0%	3	$ -	$ -	0.143	0.43	$ 249.20	$ 35.5	$ 107	$ 107	
4		1: REMOVE EXISITING SPRINKER PIPING (2" DIA ASSUMED)	LF	23	0%	23	$ -	$ -	0.042	0.98	$ 249.20	$ 10.5	$ 244	$ 244	
	DIV. 21	FIRE SUPPRESSION - NEW WORK			SUBTOTAL MATERIAL		$ 12,317			SUBTOTAL LABOR		$ 38,333	TRADE TOTAL	$ 50,650	$ 67,445
		FIRE SPRINKLERS													
5	FP-001- FP-102	RECESSED, QUICK RESPONSE PENDENT SPRINKLER HEAD FINISH: CHROME	EA	62	0%	62	$ 18.0	$ 1,113	0.193	11.94	$ 249.20	$ 48.0	$ 2,974	$ 4,087	
		NOTE: 1) ALL PIPING SHALL BE SCHEDULE 40 BLACK STEEL. 2) ALL PENDENT SPRINKLERS SHALL BE INSTALLED WITH RETURN BENDS.													
		FITTINGS													
6		1-1/4" DIA PIPE	LF	359	0%	359	$ 9.9	$ 3,558	0.154	55.46	$ 211.62	$ 32.7	$ 11,737	$ 15,295	
7		1-1/2" DIA PIPE	LF	123	0%	123	$ 10.6	$ 1,294	0.172	21.03	$ 211.62	$ 36.3	$ 4,450	$ 5,743	
8	FP-001- FP-102	4" DIA PIPE	LF	156	0%	156	$ 28.1	$ 4,367	0.306	47.58	$ 211.62	$ 64.7	$ 10,069	$ 14,437	
9		2" DIA PIPE	LF	27	0%	27	$ 11.3	$ 301	0.213	5.67	$ 211.62	$ 45.0	$ 1,201	$ 1,501	
10		3" DIA PIPE	LF	2	0%	2	$ 13.8	$ 29	0.277	0.57	$ 211.62	$ 58.6	$ 121	$ 150	
		CONNECTIONS													
11		CONNECT TO 3" EXISTING PIPE	EA	1	0%	1	$ 184.8	$ 185	0.938	0.94	$ 211.62	$ 198.4	$ 198	$ 383	
12	FP-001- FP-102	CAP @ EXISTING 3" DIA PIPE	EA	1	0%	1	$ 52.8	$ 53	0.288	0.29	$ 211.62	$ 61.0	$ 61	$ 114	
13		LOW POINT DRAIN VALVE (VIF)	EA	1	0%	1	$ 90.5	$ 90	0.367	0.37	$ 211.62	$ 77.6	$ 78	$ 168	
		FITTING, PIPING, HANGING AND SUPPORT													
14		ALLOWANCE FORFITTING ,HANGING AND SUPPORT - AREA (6290 SF)	LS	1	0%	1	$ 1,327.2	$ 1,327	16.087	16.09	$ 211.62	$ 3,404.3	$ 3,404	$ 4,731	
15	FP-001- FP-102	ALLOWANCE FOR HYDRO-TEST OF COMPLETED SYSTEM & INSPECTION - AREA (6290 SF)	LS	1	0%	1	$ -	$ -	12.000	12.00	$ 211.62	$ 2,539.4	$ 2,539	$ 2,539	
16		SHOP DRAWINGS FOR SPRINKLER WORK - AREA (6290 SF)	LS	1	0%	1	$ -	$ -	1.000	1.00	$ 1,500.00	$ 1,500.0	$ 1,500	$ 1,500	
	DIV. 01	GENERAL CONDITIONS - PLUMBING			SUBTOTAL MATERIAL		$ -			SUBTOTAL LABOR		$ 14,000	TRADE TOTAL	$ 14,000	$ 18,340
17		SITE SUPERVISION, FINAL CLEANUP, DUMPSTER	LS	1	0%	1		$ -		0.00		$ 8,800.0	$ 8,800	$ 8,800	
18		MOBILIZATION	LS	1	0%	1		$ -		0.00		$ 5,200.0	$ 5,200	$ 5,200	
	DIV. 22	PLUMBING - DEMOLITION			SUBTOTAL MATERIAL		$ -			SUBTOTAL LABOR		$ 4,988	TRADE TOTAL	$ 4,988	$ 6,535
		PLUMBING DEMO													
19		1: REMOVE WC & ALL APPURTENANCES	EA	4	0%	4	$ -	$ -	1.700	6.80	$ 211.62	$ 359.8	$ 1,439	$ 1,439	
20		2: REMOVE LAVATORY & ALL APPURTENANCES	EA	4	0%	4	$ -	$ -	1.600	6.40	$ 211.62	$ 338.6	$ 1,354	$ 1,354	
21		3: REMOVE DRINKING WATER FOUNTAIN & ALL APPURTENANCES	EA	1	0%	1	$ -	$ -	0.925	0.93	$ 211.62	$ 195.7	$ 196	$ 196	
22		4: REMOVE MOP SINK & ALL APPURTENANCES	EA	1	0%	1	$ -	$ -	1.425	1.43	$ 211.62	$ 301.6	$ 302	$ 302	
23		5: REMOVE URINALS & ALL APPURTENANCES	EA	2	0%	2	$ -	$ -	1.600	3.20	$ 211.62	$ 338.6	$ 677	$ 677	
24	PD101	REMOVE 1" DCW	LF	9	0%	9	$ -	$ -	0.032	0.29	$ 211.62	$ 6.8	$ 61	$ 61	
25		REMOVE 2" DCW	LF	29	0%	29	$ -	$ -	0.034	0.99	$ 211.62	$ 7.2	$ 209	$ 209	

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	ITEMS		QUANTITY				MATERIAL		TIME		LABOR			TOTALS	
SR #	CSI SECT./ DETAILS#	DESCRIPTION	UNIT OF MEASURE	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT MATERIAL COST	TOTAL MATERIAL COST	UNIT MANHOURS	TOTAL MANHOURS	CREW RATE	UNIT LABOR COST	TOTAL LABOR COST	TOTAL ITEM COST	TOTAL COST W/ TAX & OH
26		REMOVE 2" VENT PIPE	LF	13	0%	13	$ -	$ -	0.031	0.40	$ 211.62	$ 6.6	$ 85	$ 85	
27		REMOVE 2-1/2" VENT PIPE	LF	17	0%	17	$ -	$ -	0.031	0.53	$ 211.62	$ 6.6	$ 112	$ 112	
28		REMOVE 3" VENT PIPE	LF	29	0%	29	$ -	$ -	0.033	0.95	$ 211.62	$ 6.9	$ 202	$ 202	
29		REMOVE 3/4" DHW	LF	52	0%	52	$ -	$ -	0.032	1.66	$ 211.62	$ 6.8	$ 352	$ 352	
	DIV. 22	PLUMBING - NEW WORK			SUBTOTAL MATERIAL		$ 76,108			SUBTOTAL LABOR		$ 93,577	TRADE TOTAL	$ 169,684	$ 229,045
		FIXTURES													
30		LAV-1: LAVATORY	EA	12	0%	12	$ 396.0	$ 4,752	2.733	32.79	$ 211.62	$ 578.3	$ 6,940	$ 11,692	
31		LAV-1A: ADA LAVATORY	EA	2	0%	2	$ 451.0	$ 902	2.733	5.47	$ 211.62	$ 578.3	$ 1,157	$ 2,059	
32		WC-1: WATER CLOSET	EA	11	0%	11	$ 506.0	$ 5,566	2.259	24.84	$ 211.62	$ 478.0	$ 5,258	$ 10,824	
33		WC-1A: ADA WATER CLOSET	EA	4	0%	4	$ 572.0	$ 2,288	2.259	9.03	$ 211.62	$ 478.0	$ 1,912	$ 4,200	
34		SK-1: SINK	EA	2	0%	2	$ 374.0	$ 748	2.138	4.28	$ 211.62	$ 452.4	$ 905	$ 1,653	
35		UR-1: URINAL	EA	4	0%	4	$ 379.5	$ 1,518	2.667	10.67	$ 211.62	$ 564.3	$ 2,257	$ 3,775	
36		UR-1A: ADA URINALS	EA	1	0%	1	$ 445.5	$ 446	2.667	2.67	$ 211.62	$ 564.3	$ 564	$ 1,010	
37		MS-1: MOP SINK	EA	1	0%	1	$ 742.5	$ 743	1.991	1.99	$ 211.62	$ 421.4	$ 421	$ 1,164	
38		SH-1: SHOWER	EA	6	0%	6	$ 1,420.8	$ 8,525	4.047	24.28	$ 211.62	$ 856.4	$ 5,138	$ 13,663	
39	P001, P-101	SH-1A: ADA SHOWER	EA	2	0%	2	$ 1,705.0	$ 3,410	4.047	8.09	$ 211.62	$ 856.4	$ 1,713	$ 5,123	
40		EWC-1: ELECYRIC WATER COOLER	EA	1	0%	1	$ 1,413.1	$ 1,413	2.974	2.97	$ 211.62	$ 629.4	$ 629	$ 2,042	
41		EWH-1: ELECTRIC WATER HEATER BOD: AO SMITH, DVE-52-24	EA	1	0%	1	$ 8,001.1	$ 8,001	4.741	4.74	$ 211.62	$ 1,003.4	$ 1,003	$ 9,004	
42		EEW-1: EMERGENCY EYEWASH	EA	1	0%	1	$ 546.7	$ 547	1.125	1.13	$ 211.62	$ 238.1	$ 238	$ 785	
43		ET-1: EXPANSION TANK BOD: AMTROL, ST-12C	EA	1	0%	1	$ 2,184.9	$ 2,185	0.875	0.88	$ 211.62	$ 185.2	$ 185	$ 2,370	
44		DP-1/2/3: PACKAGED DRAINAGE PUMP BOD: LIBERTY PUMPS, 405	EA	3	0%	3	$ 552.8	$ 1,658	1.425	4.28	$ 211.62	$ 301.6	$ 905	$ 2,563	
45		RCP-1: RECIRCULATING PUMP BOD: BELL & GOSSETT, NBF-36	EA	1	0%	1	$ 770.0	$ 770	1.750	1.75	$ 211.62	$ 370.3	$ 370	$ 1,140	
		NOTE: NO SPECS PROVIDED FOR FIXTURES, VERIFY ACTUALS IN FIELD.													
		PIPING													
		WASTE													
46		2" DIA WASTE PIPE	LF	180	10%	198	$ 6.9	$ 1,361	0.136	26.83	$ 211.62	$ 28.7	$ 5,678	$ 7,039	
47	P-101	2" DIA PUMPED DRAIN PIPE	LF	193	10%	212	$ 6.9	$ 1,460	0.136	28.77	$ 211.62	$ 28.7	$ 6,088	$ 7,547	
48		4" DIA WASTE PIPE	LF	195	10%	215	$ 15.7	$ 3,362	0.167	35.71	$ 211.62	$ 35.2	$ 7,558	$ 10,920	
		VENT													
49	P-101	2" DIA VENT PIPE	LF	96	10%	106	$ 6.9	$ 726	0.102	10.73	$ 211.62	$ 21.5	$ 2,271	$ 2,997	
50		3" DIA VENT PIPE	LF	239	10%	263	$ 11.9	$ 3,123	0.113	29.77	$ 211.62	$ 24.0	$ 6,301	$ 9,424	
		DOMESTIC WATER													
51		2" DOMESTIC COLD WATER	LF	93	10%	102	$ 23.1	$ 2,363	0.142	14.56	$ 211.62	$ 30.1	$ 3,082	$ 5,445	
52		1" DOMESTIC COLD WATER	LF	31	10%	34	$ 9.2	$ 316	0.088	3.03	$ 211.62	$ 18.6	$ 640	$ 956	
53		1" DOMESTIC HOT WATER	LF	30	10%	33	$ 9.2	$ 305	0.088	2.93	$ 211.62	$ 18.6	$ 620	$ 925	
54		2-1/2" DOMESTIC COLD WATER	LF	61	10%	67	$ 36.3	$ 2,428	0.194	12.97	$ 211.62	$ 41.0	$ 2,746	$ 5,174	
55		3/4" DOMESTIC COLD WATER	LF	119	10%	131	$ 5.7	$ 747	0.079	10.29	$ 211.62	$ 16.7	$ 2,177	$ 2,925	
56	P-102	3/4" DOMESTIC HOT WATER	LF	137	10%	151	$ 5.7	$ 862	0.079	11.86	$ 211.62	$ 16.7	$ 2,510	$ 3,371	
57		1/2" DOMESTIC COLD WATER	LF	64	10%	70	$ 4.5	$ 313	0.074	5.21	$ 211.62	$ 15.7	$ 1,103	$ 1,416	
58		1/2" DOMESTIC HOT WATER RETURN	LF	137	10%	150	$ 4.5	$ 669	0.074	11.13	$ 211.62	$ 15.7	$ 2,354	$ 3,023	
59		1/2" DOMESTIC HOT WATER	LF	46	10%	50	$ 4.5	$ 223	0.074	3.71	$ 211.62	$ 15.7	$ 786	$ 1,009	
60		1-1/2" DOMESTIC HOT WATER	LF	32	10%	35	$ 14.5	$ 506	0.115	4.01	$ 211.62	$ 24.4	$ 849	$ 1,355	
61		1-1/2" DOMESTIC COLD WATER	LF	34	10%	37	$ 14.5	$ 542	0.115	4.30	$ 211.62	$ 24.4	$ 911	$ 1,453	
		SAWCUTTING													
62		SAWCUT SLAB FOR NEW PIPING	LF	1140	10%	1254	$ -	$ -	0.018	21.95	$ 211.62	$ 3.7	$ 4,644	$ 4,644	

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		MISC FITTINGS													
63		FCO: FLOOR CLEANOUT	EA	4	0%	4	$ 312.4	$ 1,250	0.667	2.67	$ 211.62	$ 141.0	$ 564	$ 1,814	
64		WCO: WALL CLEANOUT	EA	8	0%	8	$ 82.5	$ 660	0.250	2.00	$ 211.62	$ 52.9	$ 423	$ 1,083	
65		FD-1: FLOOR DRAIN	EA	6	0%	6	$ 231.0	$ 1,386	0.838	5.03	$ 211.62	$ 177.2	$ 1,063	$ 2,449	
66		TD-1: 32"L TRENCH DRAIN	EA	6	0%	6	$ 364.1	$ 2,185	0.500	3.00	$ 211.62	$ 105.8	$ 635	$ 2,819	
67		TD-2: 60"L TRENCH DRAIN	EA	2	0%	2	$ 728.2	$ 1,456	1.125	2.25	$ 211.62	$ 238.1	$ 476	$ 1,933	
68		CAP EXISTING PIPING	EA	2	0%	2	$ 18.2	$ 36	0.163	0.33	$ 211.62	$ 34.4	$ 69	$ 105	
69		GATE VALVE	EA	27	0%	27	$ 59.4	$ 1,604	0.238	6.41	$ 211.62	$ 50.3	$ 1,357	$ 2,961	
70		CHECK VALVE	EA	3	0%	3	$ 38.0	$ 114	0.188	0.56	$ 211.62	$ 39.7	$ 119	$ 233	
71		PRESSURE/ TEMPERATURE RELIEF VALVE	EA	1	0%	1	$ 84.1	$ 84	0.250	0.25	$ 211.62	$ 52.9	$ 53	$ 137	
72		PRESSURE GUAGE	EA	2	0%	2	$ 30.8	$ 62	0.113	0.23	$ 211.62	$ 23.8	$ 48	$ 109	
73		SHUTOFF VALVE	EA	5	0%	5	$ 35.1	$ 175	0.188	0.94	$ 211.62	$ 39.7	$ 198	$ 374	
74		AUTOMATIC FLOW VALVE	EA	3	0%	3	$ 148.6	$ 446	0.306	0.92	$ 211.62	$ 64.8	$ 194	$ 640	
		FITTING, , HANGING AND SUPPORT													
75	FP-001- FP-102	ALLOWANCE FOR FITTING ,HANGING AND SUPPORT - AREA (2337 SF)	LS	1	0%	1	$ 3,872.0	$ 3,872	40.000	40.00	$ 211.62	$ 8,464.8	$ 8,465	$ 12,337	

UNIT LEGENDS	
SQUARE FEET	= SF
LINEAR FEET	= LF
LUMP SUM	= LS
EACH	= EA
LOCATION	= LOC

MATERIAL COST	$ 88,425
LABOR COST	$ 155,448
TOTAL HOURS	640 Hrs

SUB TOTAL		**$**	**243,873**
OVERHEAD	**10%**	**$**	**24,387**
PROFIT	**15%**	**$**	**36,581**
INSURANCE	**2%**	**$**	**4,877**
TAXES	**8.88%**	**$**	**7,852**
CONTINGENCIES	**4%**	**$**	**9,755**
TOTAL BID		**$**	**327,325.8**

ESTIMATE NOTES:

1) IT IS ADVISABLE TO REVIEW PRICES PRIOR TO BID AS THESE ITEMS ARE PRICED BY AVAIBLE ONLINE AUTHENTIC SOURCES & GUARDIAN DATA SET (RS MEANS)
2) IT IS HIGHLY RECOMMENDED TO HAVE A FIELD SURVEY PRIOR TO BID.

EXCLUSIONS:

1) RED PAINT AT NEW SPRINKLER PIPING & STANDPIPES