

COST SUMMARY

Date:
Project: Hidden For Prviacy
Project Location: Hidden For Prviacy

Project Type: Commercial
Scope of Work: Fire Suppression
Total Base Bid: \$ 134,391

BASE BID	TOTAL COSTS
BASE BID	\$ 405,194
DEDUCT ALTERNATE	\$ 134,391
Note: Click on any of the above text to go to the relevant Tab	

CSI Summary for Base Bid					
Div. No.	CSI Division	Labor Cost	Material Cost	Total Cost	% of sub-total cost
DIV-01	General Requirements	\$ -	\$ -	\$ 23,907	7.8%
DIV-21	Fire Suppression	\$ 98,296	\$ 185,993	\$ 284,289	92.2%
SUB TOTAL		\$ 98,296	\$ 185,993	\$ 308,196	
MATERIAL TAX			\$ 9,300	\$ 9,300	5.0%
OVERHEAD AND PROFIT				\$ 61,639	20.0%
BOND FEE				\$ 9,478	2.5%
CONTIGENCY				\$ 16,581	5.4%
TOTAL BASE BID				\$ 405,194	

For Client's Use Only	
Comparison with Sub-Quotes	
Enter Sub-Quotes here	Difference
	\$ 23,907
	\$ 284,289
	\$ 308,196
	\$ 9,300
	\$ 61,639
	\$ 9,478
	\$ 16,581
	\$ 405,194

Comments

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST																																										
Estimate of Materials and Cost of Construction																																																										
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				<table><tr><td>Sub-Total</td><td>\$</td><td>308,196</td><td></td></tr><tr><td>Material Tax & Inflation</td><td>5.0%</td><td>\$</td><td>9,300 (Adjust the percentage for Material tax as required)</td></tr><tr><td>Overhead & Profit</td><td>20%</td><td>\$</td><td>61,639 (Adjust the percentage for Overhead & Profit as required)</td></tr><tr><td>Contingency</td><td>5%</td><td>\$</td><td>16,581 (Adjust the percentage for Contingency as required)</td></tr><tr><td>Bond Fee</td><td>2.5%</td><td>\$</td><td>9,478 (Adjust the percentage for Bond Fee as required)</td></tr><tr><td>Total Base Bid</td><td>\$</td><td>405,194</td><td></td></tr></table>				Sub-Total	\$	308,196		Material Tax & Inflation	5.0%	\$	9,300 (Adjust the percentage for Material tax as required)	Overhead & Profit	20%	\$	61,639 (Adjust the percentage for Overhead & Profit as required)	Contingency	5%	\$	16,581 (Adjust the percentage for Contingency as required)	Bond Fee	2.5%	\$	9,478 (Adjust the percentage for Bond Fee as required)	Total Base Bid	\$	405,194		<table><tr><td>Date:</td><td></td></tr><tr><td>Project:</td><td>Hidden For Prviacy</td></tr><tr><td>Project Location:</td><td>Hidden For Prviacy</td></tr><tr><td>Project Type:</td><td>Commercial</td></tr><tr><td>Contractor Name:</td><td></td></tr><tr><td>Company Name:</td><td></td></tr><tr><td>Client Email:</td><td></td></tr><tr><td>Website:</td><td></td></tr><tr><td>Cell:</td><td></td></tr></table>									Date:		Project:	Hidden For Prviacy	Project Location:	Hidden For Prviacy	Project Type:	Commercial	Contractor Name:		Company Name:		Client Email:		Website:		Cell:	
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			DIV-01	General Requirements												\$ 23,907																																										
1			DIV-01	Plan Design and Permitting Permit Fee	1	0%	1	LS		-		\$ -			\$ -																																											
2			DIV-01	Equipment and Tools Tool Rentals	1	0%	1	LS		-		\$ -			\$ 2,685																																											
3			DIV-01	Mobilization/Demobilization (Temporary Control & Facilities)	1	0%	1	LS		-		\$ -			\$ 6,200																																											
4			DIV-01	Cleaning and Final Final Cleaning	1	0%	1	LS		-		\$ -			\$ 3,500																																											
5			DIV-01	Project Management & Supervision Project Management & Supervision	1	0%	1	LS							\$ 11,522																																											
			DIV-21	Fire Suppression												\$ 284,289																																										
				Water Service Piping																																																						
6	FA201 & FA202	Plan Notes	DIV-21	Underground 6" Underground Fire Protection Service	11	10%	12	LF	0.372	4.59	\$ 68.3	\$ 313	\$ 47.5	\$ 586.2	\$ 900																																											
7	FA201 & FA202	Plan Notes	DIV-21	Along Floor 2" Main Fire Protection Drain	7	10%	8	LF	0.262	2.15	\$ 68.3	\$ 147	\$ 27.6	\$ 225.8	\$ 372																																											
8	FA201 & FA202	Plan Notes	DIV-21	6" Sprinkler Pipe	1,328	10%	1,461	LF	0.372	543.37	\$ 68.3	\$ 37,085	\$ 47.5	\$ 69,382.3	\$ 106,467																																											
9	FA201 & FA202	Plan Notes	DIV-21	4" Standpipe	130	10%	143	LF	0.330	47.04	\$ 68.3	\$ 3,210	\$ 35.2	\$ 5,017.3	\$ 8,228																																											
10	FA201 & FA202	Plan Notes	DIV-21	Along Roof 6" Sprinkler Pipe	856	10%	942	LF	0.372	350.30	\$ 68.3	\$ 23,908	\$ 47.5	\$ 44,728.6	\$ 68,636																																											
				Fire Suppression Standpipes/Riser																																																						
				Standpipe(5' Assumed)																																																						
11	FA201 & FA202	Plan Notes	DIV-21	4" Standpipe - UP	1	0%	1	EA	1.531	1.53	\$ 68.3	\$ 105	\$ 130.0	\$ 130.0	\$ 235																																											
12	FA201 & FA202	Plan Notes	DIV-21	4" Standpipe - DN	1	0%	1	EA	1.531	1.53	\$ 68.3	\$ 105	\$ 130.0	\$ 130.0	\$ 235																																											
13	FA201 & FA202	Plan Notes	DIV-21	6" Sprinkler Pipe - UP	4	0%	4	EA	2.156	8.63	\$ 68.3	\$ 589	\$ 237.5	\$ 950.0	\$ 1,539																																											
14	FA201 & FA202	Plan Notes	DIV-21	2-1/2" Standpipe - UP	2	0%	2	EA	1.200	2.40	\$ 68.3	\$ 164	\$ 163.3	\$ 326.5	\$ 490																																											
15	FA201 & FA202	Plan Notes	DIV-21	2-1/2" Standpipe - DN	1	0%	1	EA	1.200	1.20	\$ 68.3	\$ 82	\$ 138.0	\$ 138.0	\$ 220																																											
				Sprinkler Pipe(5' Assumed)																																																						
16	FA201 & FA202	Plan Notes	DIV-21	2" Sprinkler Pipe - UP	1	0%	1	EA	1.200	1.20	\$ 68.3	\$ 82	\$ 128.3	\$ 128.3	\$ 210																																											
17	FA201 & FA202	Plan Notes	DIV-21	2" Sprinkler Pipe - DN	2	0%	2	EA	1.200	2.40	\$ 68.3	\$ 164	\$ 128.3	\$ 256.6	\$ 420																																											
18	FA201 & FA202	Plan Notes	DIV-21	1/2" Sprinkler Pipe - UP	2	0%	2	EA	0.535	1.07	\$ 68.3	\$ 73	\$ 62.5	\$ 125.0	\$ 198																																											
19	FA201 & FA202	Plan Notes	DIV-21	6" Sprinkler Pipe - UP	4	0%	4	EA	2.156	8.63	\$ 68.3	\$ 589	\$ 237.5	\$ 950.0	\$ 1,539																																											
20	FA201 & FA202	Plan Notes	DIV-21	6" Sprinkler Pipe - UP	4	0%	4	EA	2.156	8.63	\$ 68.3	\$ 589	\$ 237.5	\$ 950.0	\$ 1,539																																											
				Sprinkler Head																																																						
				Recessed																																																						
21	FA201 & FA202	Plan Notes	DIV-21	Recessed Sprinkler Head	102	0%	102	EA	0.320	32.64	\$ 68.3	\$ 2,228	\$ 21.2	\$ 2,162.4	\$ 4,390																																											
22	FA201 & FA202	Plan Notes	DIV-21	Upright Upright Sprinkler To Protect Attic Space	81	0%	81	EA	0.288	23.33	\$ 68.3	\$ 1,592	\$ 25.6	\$ 2,075.2	\$ 3,667																																											
				Dry																																																						
23	FA201 & FA202	Plan Notes	DIV-21	Dry Pendant Sprinkler Heads In Garage	5	0%	5	EA	0.320	1.60	\$ 68.3	\$ 109	\$ 32.6	\$ 163.1	\$ 272																																											
24	FA201 & FA202	Plan Notes	DIV-21	Dry Sidewall Sprinkler Head	7	0%	7	EA	0.320	2.24	\$ 68.3	\$ 153	\$ 28.4	\$ 198.9	\$ 352																																											
25	FA201 & FA202	Plan Notes	DIV-21	Dry Sidewall Sprinkler Head Installed Under Stairs	3	0%	3	EA	0.320	0.96	\$ 68.3	\$ 66	\$ 34.1	\$ 102.4	\$ 168																																											
				Fire Suppression Valves																																																						
26	FA201 & FA202	Plan Notes	DIV-21	6" Wet Alarm Check Valve	1	0%	1	EA	2.650	2.65	\$ 68.3	\$ 181	\$ 1,385.6	\$ 1,385.6	\$ 1,567																																											
27	FA201 & FA202	Plan Notes	DIV-21	4" Check Valve	1	0%	1	EA	1.920	1.92	\$ 68.3	\$ 131	\$ 625.3	\$ 625.3	\$ 756																																											
28	FA201 & FA202	Plan Notes	DIV-21	6" Double Check Valve Assembly	2	0%	2	EA	5.980	11.96	\$ 68.3	\$ 817	\$ 8,952.7	\$ 17,905.3	\$ 18,722																																											
29	FA201 & FA202	Plan Notes	DIV-21	Post Indicating Valve Test Header	1	0%	1	EA	2.980	2.98	\$ 68.3	\$ 204	\$ 1,308.6	\$ 1,308.6	\$ 1,512																																											

30	FA201 & FA202	Plan Notes	DIV-21	6" Zone Control Valve Assembly	2	0%	2	EA	3.880	7.76	\$ 68.3	\$ 530	\$ 1,265.3	\$ 2,530.5	\$ 3,061
31	FA201 & FA202	Plan Notes	DIV-21	2-1/2" FDVC	2	0%	2	EA	0.852	1.70	\$ 68.3	\$ 116	\$ 198.6	\$ 397.2	\$ 514
32	FA201 & FA202	Plan Notes	DIV-21	4" Storz FDC	1	0%	1	EA	1.720	1.72	\$ 68.3	\$ 117	\$ 512.3	\$ 512.3	\$ 630
33	FA201 & FA202	Plan Notes	DIV-21	4" FDC	1	0%	1	EA	1.280	1.28	\$ 68.3	\$ 87	\$ 481.3	\$ 481.3	\$ 569
				Connections/Fittings											
				Elbow											
34	FA201 & FA202	Plan Notes	DIV-21	6" x 1/2", 90 Deg. Elbow Up	1	0%	1	EA	1.200	1.20	\$ 68.3	\$ 82	\$ 108.7	\$ 108.7	\$ 191
35	FA201 & FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow Down	107	0%	107	EA	1.410	150.87	\$ 68.3	\$ 10,304	\$ 123.2	\$ 13,182.4	\$ 23,487
36	FA201 & FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow Up	33	0%	33	EA	1.410	46.53	\$ 68.3	\$ 3,178	\$ 123.2	\$ 4,065.6	\$ 7,244
37	FA201 & FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow	57	0%	57	EA	1.410	80.37	\$ 68.3	\$ 5,489	\$ 123.2	\$ 7,022.4	\$ 12,512
38	FA201 & FA202	Plan Notes	DIV-21	4" x 4" 90 Deg. Elbow Down	2	0%	2	EA	0.952	1.90	\$ 68.3	\$ 130	\$ 38.5	\$ 77.0	\$ 207
39	FA201 & FA202	Plan Notes	DIV-21	4" x 4", 45 Deg. Elbow	2	0%	2	EA	0.952	1.90	\$ 68.3	\$ 130	\$ 38.5	\$ 77.0	\$ 207
40	FA201 & FA202	Plan Notes	DIV-21	6" x 6", 45 Deg. Elbow	1	0%	1	EA	1.400	1.40	\$ 68.3	\$ 96	\$ 123.2	\$ 123.2	\$ 219
41	FA201 & FA202	Plan Notes	DIV-21	4" x 4", 90 Deg. Elbow	1	0%	1	EA	0.952	0.95	\$ 68.3	\$ 65	\$ 123.2	\$ 123.2	\$ 188
				Tees											
42	FA201 & FA202	Plan Notes	DIV-21	4" x 4" x 4" Tee	1	0%	1	EA	1.200	1.20	\$ 68.3	\$ 82	\$ 52.6	\$ 52.6	\$ 135
43	FA201 & FA202	Plan Notes	DIV-21	6" x 6" x 6" Tee	48	0%	48	EA	1.580	75.84	\$ 68.3	\$ 5,180	\$ 151.2	\$ 7,257.6	\$ 12,437
				End Cap											
44	FA201 & FA202	Plan Notes	DIV-21	End Cap	2	0%	2	EA	0.188	0.38	\$ 68.3	\$ 26	\$ 15.3	\$ 30.5	\$ 56
SUB TOTAL									Total Lab. Hours =	\$ 1,440	Total Lab. Cost =	\$ 98,296	Total Mat. Cost =	\$ 185,993	\$ 308,196
TOTAL SUGGESTED BID															\$ 405,194

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CLICK HERE TO GO BACK TO COST SUMMARY <table><tr><td colspan="2">Sub-Total</td><td>\$</td><td>102,125</td><td rowspan="5"> Date: Project: Hidden For Prviacy Project Location: Hidden For Prviacy Project Type: Commercial Contractor Name: Company Name: Client Email: Website: Cell: </td></tr><tr><td colspan="2">Material Tax & Inflation</td><td>5.0%</td><td>\$</td><td>3,202</td><td>(Adjust the percentage for Material tax as required)</td></tr><tr><td colspan="2">Overhead & Profit</td><td>20%</td><td>\$</td><td>20,425</td><td>(Adjust the percentage for Overhead & Profit as required)</td></tr><tr><td colspan="2">Contingency</td><td>5%</td><td>\$</td><td>5,494</td><td>(Adjust the percentage for Contingency as required)</td></tr><tr><td colspan="2">Bond Fee</td><td>2.5%</td><td>\$</td><td>3,144</td><td>(Adjust the percentage for Bond Fee as required)</td></tr><tr><td colspan="2">Total Base Bid</td><td>\$</td><td>134,391</td><td></td></tr></table> <table><tr><td>Material Wastage 1</td><td>0%</td><td>(for Quantities in Each & LS)</td></tr><tr><td>Material Wastage 2</td><td>10%</td><td>(for Quantities in LF, SF, SY, CY, LBS, TONS)</td></tr></table> Note: Contractor can add or Remove Allowances from DIV-1 Tab According to his Requirements <table><tr><td>Gross Area Building (SF)</td><td>3,442</td></tr></table>																	Sub-Total		\$	102,125	Date: Project: Hidden For Prviacy Project Location: Hidden For Prviacy Project Type: Commercial Contractor Name: Company Name: Client Email: Website: Cell:	Material Tax & Inflation		5.0%	\$	3,202	(Adjust the percentage for Material tax as required)	Overhead & Profit		20%	\$	20,425	(Adjust the percentage for Overhead & Profit as required)	Contingency		5%	\$	5,494	(Adjust the percentage for Contingency as required)	Bond Fee		2.5%	\$	3,144	(Adjust the percentage for Bond Fee as required)	Total Base Bid		\$	134,391		Material Wastage 1	0%	(for Quantities in Each & LS)	Material Wastage 2	10%	(for Quantities in LF, SF, SY, CY, LBS, TONS)	Gross Area Building (SF)	3,442
Sub-Total		\$	102,125	Date: Project: Hidden For Prviacy Project Location: Hidden For Prviacy Project Type: Commercial Contractor Name: Company Name: Client Email: Website: Cell:																																																						
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				Water Service Piping																																																						
				Along Floor																																																						
1	FA202	Plan Notes	DIV-21	6" Sprinkler Pipe	518	10%	570	LF	0.372	211.97	\$ 68.3	\$ 14,467	\$ 47.5	\$ 27,065.5	\$ 41,532																																											
2	FA202	Plan Notes	DIV-21	4" Standpipe	30	10%	33	LF	0.330	10.89	\$ 68.3	\$ 743	\$ 26.0	\$ 858.0	\$ 1,601																																											
				Along Roof																																																						
3	FA202	Plan Notes	DIV-21	6" Sprinkler Pipe	367	10%	404	LF	0.372	150.18	\$ 68.3	\$ 10,250	\$ 47.5	\$ 19,175.8	\$ 29,425																																											
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4	FA202	Plan Notes	DIV-21	4" Standpipe - DN	1	0%	1	EA	1.531	1.53	\$ 68.3	\$ 105	\$ 130.0	\$ 130.0	\$ 235																																											
5	FA202	Plan Notes	DIV-21	2-1/2" Standpipe - DN	1	0%	1	EA	1.200	1.20	\$ 68.3	\$ 82	\$ 138.0	\$ 138.0	\$ 220																																											
				Sprinkler Pipe(5' Assumed)																																																						
6	FA202	Plan Notes	DIV-21	2" Sprinkler Pipe - DN	2	0%	2	EA	1.200	2.40	\$ 68.3	\$ 164	\$ 128.3	\$ 256.6	\$ 420																																											
				Sprinkler Head																																																						
				Upright																																																						
7	FA202	Plan Notes	DIV-21	Upright Sprinkler To Protect Attic Space	38	0%	38	EA	0.288	10.94	\$ 68.3	\$ 747	\$ 25.6	\$ 973.6	\$ 1,720																																											
				Fire Suppression Valves																																																						
8	FA202	Plan Notes	DIV-21	4" Check Valve	1	0%	1	EA	1.920	1.92	\$ 68.3	\$ 131	\$ 625.3	\$ 625.3	\$ 756																																											
				Connections/Fittings																																																						
				Elbow																																																						
9	FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow Down	50	0%	50	EA	1.410	70.50	\$ 68.3	\$ 4,815	\$ 123.2	\$ 6,160.0	\$ 10,975																																											
10	FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow Up	16	0%	16	EA	1.410	22.56	\$ 68.3	\$ 1,541	\$ 123.2	\$ 1,971.2	\$ 3,512																																											
11	FA202	Plan Notes	DIV-21	6" x 6" 90 Deg. Elbow	30	0%	30	EA	1.410	42.30	\$ 68.3	\$ 2,889	\$ 123.2	\$ 3,696.0	\$ 6,585																																											
12	FA202	Plan Notes	DIV-21	6" x 6", 45 Deg. Elbow	1	0%	1	EA	1.410	1.41	\$ 68.3	\$ 96	\$ 123.2	\$ 123.2	\$ 220																																											
				Tees																																																						
13	FA202	Plan Notes	DIV-21	6" x 6" x 6" Tee	19	0%	19	EA	1.580	30.02	\$ 68.3	\$ 2,050	\$ 151.2	\$ 2,872.8	\$ 4,923																																											
SUB TOTAL									Total Lab. Hours = \$		558	Total Lab. Cost = \$		38,079	Total Mat. Cost = \$		64,046	\$ 102,125	\$ 102,125																																							
TOTAL SUGGESTED BID																	\$ 134,391																																									

FIRE PROTECTION ABBREVIATIONS

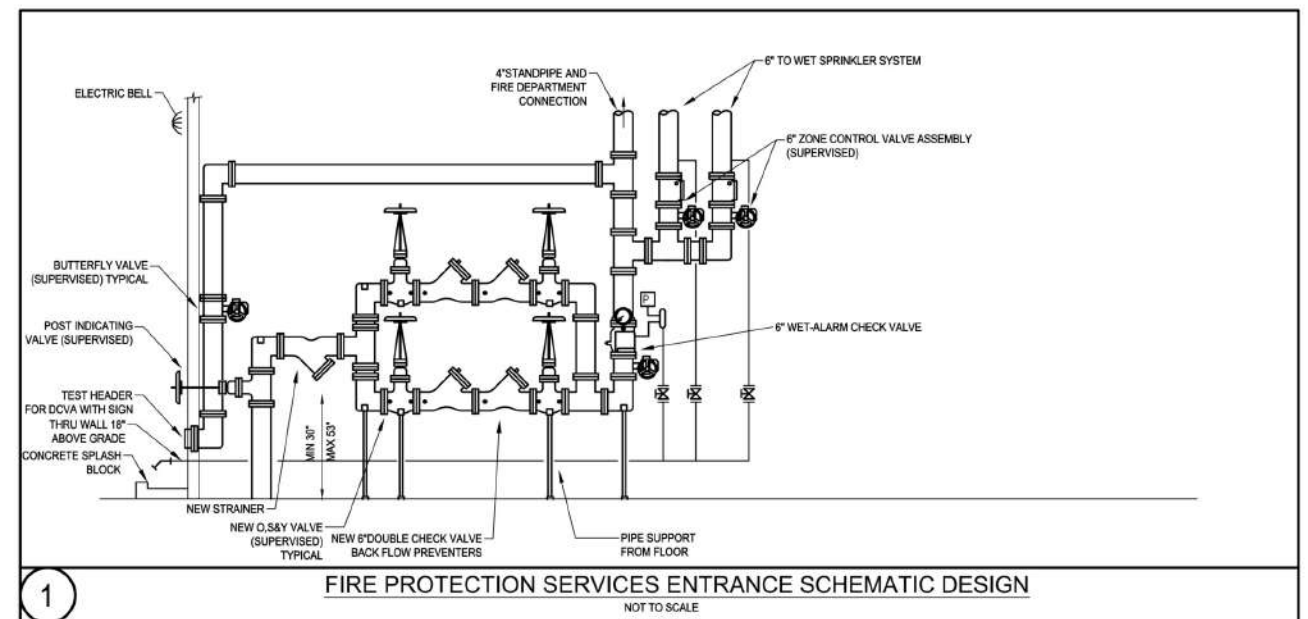
ABV	ABOVE	DWG	DRAWING	N.F.W.H.	NON-FREEZE WALL HYDRANT
ABD	AUTOMATIC BALL DRIP	EA	EACH	N.I.C.	NOT IN CONTRACT
AC	AIR COMPRESSOR	ELEC	ELECTRICAL	NO	NORMALLY OPEN
ACD	ACCESS DOOR	ELEV	ELEVATION	NO.	NUMBER
ACV	ALARM CHECK VALVE	EMER	EMERGENCY	NTS	NOT TO SCALE
AD	AREA DRAIN	ENCL	ENCLOSE, ENCLOSURE	OD	OPEN SITE DRAIN DIAMETER, OUTSIDE
AFF	ABOVE FINISHED FLOOR	EQPT	EQUIPMENT	OSD	OS&Y OUTSIDE SCREW AND YOKE
AP	ACCESS PANEL	EST	ESTIMATE	%	PERCENT
APPD	APPROVED	ETBR	EXISTING TO BE REMOVED	PD	PRESSURE DROPPUMP DISCHARGE
APPROX	APPROXIMATE	EVAP	EVAPORATE, (ING. ED. OR)	POI	PLUMBING DRAINAGE INSTITUTE
ARCH	ARCHITECTURAL	EXIST	EXISTING	PH	PHASE
AUTO	AUTOMATIC	F	FIRE/FIRE LINE	PG	PRESSURE GAUGE
AV	ACID VENT	FAI	FRESH AIR INLET	PLBG	PLUMBING
AVG	AVERAGE	FD	FLOOR DRAIN	PNEU	PNEUMATIC PRESS PRESSURE
AW	ACID WASTE	FDC	FIRE DEPARTMENT CONNECTION	PRV	PRESSURE REDUCING VALVE
BFP	BACKFLOW PREVENTER	FF	FINISHED FLOOR	PS	PRESSURE SWITCH
BLDG	BUILDING	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
BOP	BOTTOM OF PIPE	FHR	FIRE HOSE RACK	RD	ROOF DRAIN
BOT	BOTTOM	FDH	FIRE HOSE VALVE	RF	LDR ROOF LEADER
BRKT	BRACKET	FIG	FIGURE	RPM	REVOLUTIONS PER MINUTE
BWV	BACKWATER VALVE	FLR	FLOOR	S	SOL
CA	COMPRESSED AIR	FM	FACTORY MUTUAL	SAN	SANITARY
CB	CATCH BASIN	FP	FIRE PROTECTION	SCHED	SCHEDULE
CFH	CUBIC FEET PER HOUR	F/S	FLOW SWITCH	SECT	SECTION
C	CAST IRON	FSP	FIRE STANDPIPE	SH	SHOWER
CL	CENTER LINE	FT	FOOT, FEET	SK	SINK
CLG	CEILING	FU	FIXTURE UNIT	SP	SUMP PUMP/SPRINKLER
CO	CLEAN OUT	GAL	GALLON	SPECS	SPECIFICATIONS
COOP	CLEAN OUT DECK	HORIZ	HORIZONTAL	SPR	SPRINKLER LINE
COL	COLUMN	HP	HORSEPOWER	SF/SQ.FT.	SQUARE FOOT
COMB.A.	COMBINATION	HT	HEIGHT	SQ IN	SQUARE INCH
CONC	CONCRETE	ID	DIAMETER, INSIDE	S.S.	SERVICE SINK
COND	CONDENS(ATE, ER, ING, ATION)	I.E.	INVERT ELEVATION	SS	STAINLESS STEEL
CONN	CONNECTION	IN	INCHES	ST	STORM
CONST	CONSTRUCTION	INT	INTERIOR(OR, NAL)	STD	STANDARD
CONT	CONTINUE, CONTINUOUS	I.T.C.	INSPECTOR'S TEST CONNECTION	STP	STANDPIPE
CONTR	CONTRACTOR	KW	KILOWATT	STRUC	STRUCTURAL
COTG	CLEAN OUT TO GRADE	LAV	LAVATORY	TEMP	TEMPERATURE
COMP	CLEAN OUT WALL PLATE	LBS	POUNDS	THD	THREAD
CTE	CONNECT TO EXISTING R	LDR	LEADER	THRU	THROUGH
D	DRAIN	LF	LINEAR FEET	TOT	TOTAL
DEPT	DEPARTMENT	LP	LOW PRESSURE	TS	TAMPER SWITCH
DET	DETAIL	MECH	MECHANICAL	TYP	TYPICAL
DF	DRINKING FOUNTAIN	MFR	MANUFACTURE, (ER, ED)	UR	URNAL
DIA	DIAMETER	MH	MANHOLE	V	VENT
DIA.G	DIAGRAM, RAMMATIC, ONAL)	MIN	MINIMUM	V.I.F.	VERIFY IN FIELD
DISC	DISCONNECT	MSB	MOP SINK BASIN	VIV	VALVE IN VERTICAL
DISCH	DISCHARGE	MTG	MOUNTING	VOL	VOLUME
DN	DOWN	MTD	MOUNTED	VTR	VENT THRU ROOF
DOM	DOMESTIC	N	NITROGEN	W	WASTE LINE
DPV	DRY PIPE VALVE	NC	NORMALLY CLOSED	WI	WITH
DS	DOWNSPOUT	NFSP	NON-FREEZE SPRINKLER PIPE	W/O	WITHOUT
				ZCS	ZONE CONTROL STATION

FIRE PROTECTION GENERAL NOTES

1. AUTOMATIC WET TYPE SPRINKLER SYSTEMS SHALL BE IN ACCORDANCE WITH NFPA 13 FOR ORDINARY HAZARD GROUP 1, (130 SF PER SPRINKLER MAX) AND LIGHT HAZARD OCCUPANCIES (225 SF PER SPRINKLER MAX.)
2. ALL MATERIAL TO BE NEW AND U.L. LISTED.
3. ALL MATERIAL AND METHODS OF WORKMANSHIP SHALL BE IN ACCORDANCE WITH NFPA 13 AND PER ME STATE BUILDING CODE.
4. ALL HANGERS AND METHODS OF HANGING SHALL BE IN ACCORDANCE WITH NFPA 13.
5. ALL PIPE & FITTINGS SHALL BE IN ACCORDANCE WITH NFPA 13.
6. ALL SPRINKLER SUBJECT TO MECHANICAL INJURY SHALL BE PROVIDED WITH GUARDS AS REQUIRED BY NFPA 13.
7. PROVIDE LISTED THROUGH STOP PENETRATION PROTECTION FOR ALL AREAS WHERE RATED ASSEMBLIES ARE PENETRATED.
8. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND CONSTRUCTION METHODS.
9. COORDINATE LOCATION OF SPRINKLER HEADS W/ REFLECTED CEILING PLANS ON ARCHITECTURAL DRAWINGS. HEADS SHALL BE CENTERED IN CEILING SYSTEM.
10. COORDINATE SPRINKLER HEAD LOCATIONS WITH DUCTWORK IN THE NEW BUILDINGS. SEPARATE SPRINKLER LINES AND ADDITIONAL SPRINKLERS WILL NEED TO BE LOCATED UNDER ALL DUCTWORK 4" IN OR WIDER.
11. COORDINATE SPRINKLER HEAD LOCATIONS WITH STRUCTURAL STEEL, INDUSTRIAL EQUIPMENT, EQUIPMENT DRAWINGS, OVERHEAD DOORS AND OTHER BUILDING SYSTEMS.
12. ADDITIONAL SPRINKLERS MAY BE REQUIRED UPON SITE OBSERVATION.
13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER AMOUNT OF SPRINKLER HEADS PER HYDRAULIC CALCS WHETHER SHOWN ON THE PLANS OR NOT.
14. REFER TO ARCHITECTURAL DRAWINGS FOR SMOKE AND FIRE PARTITION LOCATIONS.
15. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM DEVICES AND EQUIPMENT.

FIRE PROTECTION LEGEND

FP	FIRE MAIN		BALANCING VALVE
SPR	SPRINKLER PIPE		BALL VALVE
STP	STANDPIPE		BUTTERFLY VALVE
FDC	FIRE DEPARTMENT CONNECTION		CHECK VALVE
DR	DRAIN		GATE VALVE
	HEAT TRACED PIPING		GLOBE VALVE
	NODE NUMBER		OS&Y VALVE (SUPERVISED)
	UPRIGHT SPRINKLER HEAD		PLUG VALVE
	RECESSED PENDENT SPRINKLER HEAD		PRESSURE REDUCING VALVE
	DRY PENDENT SPRINKLER HEAD		RELIEF VALVE
	DRY SIDEWALL SPRINKLER HEAD		SOLENOID VALVE
	STORZ CONNECTION		VALVE IN VERTICAL
	WET ALARM VALVE		BRANCH OFF TOP OF MAIN
	ZONE CONTROL VALVE ASSEMBLY		BRANCH OFF BOTTOM OF MAIN
	DOUBLE CHECK VALVE ASSEMBLY		ELBOW UP
			ELBOW DOWN
			END CAP
			TEE
			UNION



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STAMP



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans
Affairs

Drawing Title
FIRE PROTECTION LEGEND,
NOTES AND
ABBREVIATIONS

Approved:

Phase
ISSUED FOR
CONSTRUCTION

FULLY
SPRINKLERED

Project Title
COMMUNITY LIVING CENTER
PHASE 1

Location
VA MAINE HEALTHCARE SYSTEM - TOGUS
1 VA CENTER AUGUSTA, ME 04330

Issue Date
03/01/2019

Checked
JS

Drawn
KB

Project Number
402-315

Building Number
301 & 302

Drawing Scale
NTS

Drawing Number
FA000

