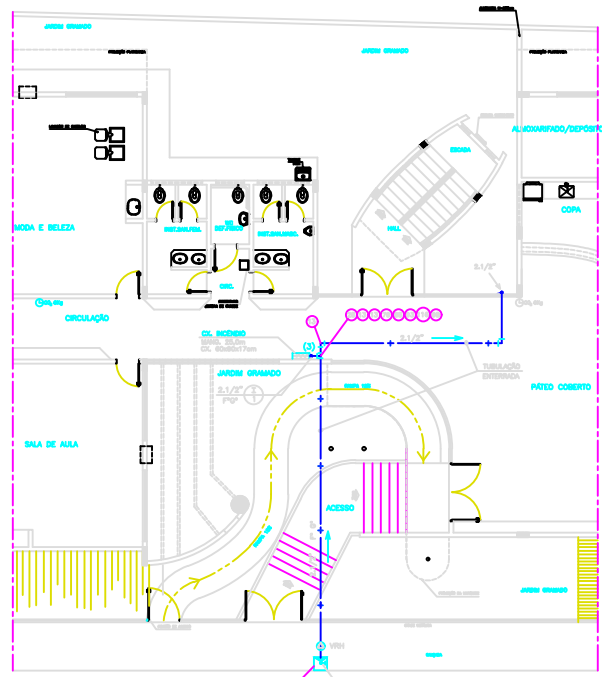
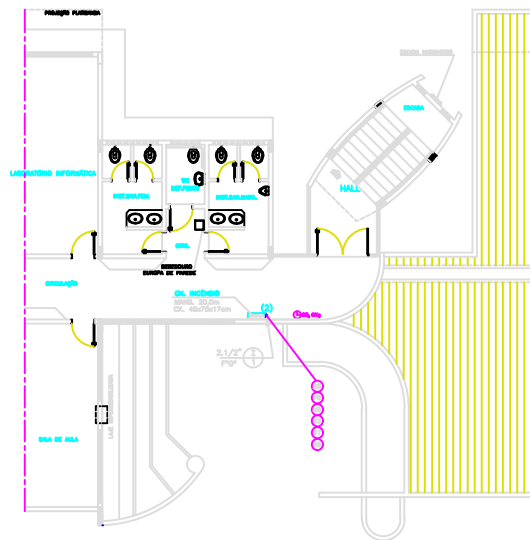


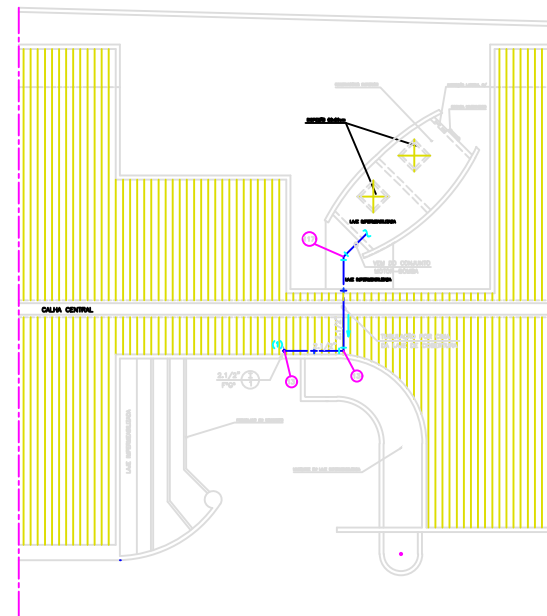
**PLANTA SUBTÉRREA**  
ESC. 1:100 PARCIAL



**PLANTA TÉRREA**  
ESC. 1:100 PARCIAL

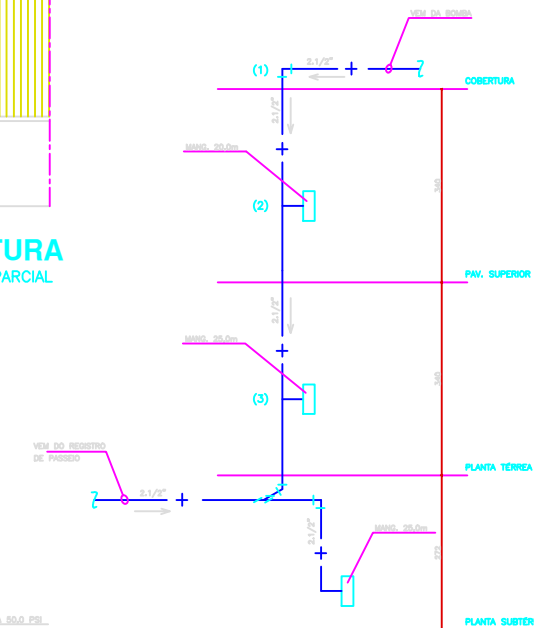


**PLANTA DE EXPANSÃO (2ª. ETAPA)**  
ESC. 1:100 PARCIAL



**COBERTURA**  
ESC. 1:100 PARCIAL

**CONJUNTO MOTOR-BOMBA**  
SEM ESCALA



**PRUMADA de INCÊNDIO**  
ESC. 1:50

### CÁLCULO DA PRESSÃO NAS CAIXAS DE INCÊNDIO (no requeite)

PAVIMENTO	TRECHO	VAZÃO (l/s)	VELOCIDADE (m/s)	DIÂMETRO (pol.)	COMP. REAL (m)	COMP. EQUIV. (m)	COMP. TOTAL (m)	DESHÍVEL (m)	P.C.U. (m/m)	P.C.T. (m.a.s.)	PRESSÃO A JUSANTE NA BOMBA (m)	PRESSÃO A JUSANTE NO RESQUENTE (m)	PRESSÃO ESTATICA (m)
COBERTURA	color - 1	8,34	2,7	2 1/2"	11,50m	23,40m	34,90m	0,00m	0,18	6,28m	13,72m	-----	-----
PAV. SUPERIOR	1 - 2	8,34	2,7	2 1/2"	2,0m	4,00m	6,00m	0,18	0,72m	15,00m	5,63m	3,70m	3,70m
PAV. TÉRREO	2 - 3	8,34	2,7	2 1/2"	3,40m	1,2m	4,70m	3,40m	0,18	0,85m	17,25m	6,18m	7,10m

Para caixa de Incêndio (Pav. Superior)

15,0m - (21,0 m x 0,085 m/m) = 13,63m  
13,63m - (20,0 m x 0,40 m/m) = 5,63m

Para caixa de Incêndio (Pav. Térreo)

17,55m - (21,0 m x 0,085 m/m) = 16,18m  
16,18m - (25,0 m x 0,40 m/m) = 6,18m

OBS:

ALIMENTAÇÃO DE DOIS HIDRANTES SIMULTANEAMENTE

VAZÃO DE 250 l/s/mín para dois hidrantes

MANEIRA DE BORRACHA C/ 38mm E COMPRIMENTO DE 20,0m E 25,0m

DIÂMETRO DO RESQUENTE DE 18mm

PERDA DE CARGA NA MANGUEIRA 0,40 m/m

VAZÃO: 30,0 m³/h

A.M.T. = 20,0 m.a.s.

Políndica 4 CV

BOMBA D'ÁGUA

MOD. CF-8

Políndica 4 CV

P.C.T. = PERDA DE CARGA TOTAL

P.C.U. = PERDA DE CARGA UNITÁRIA

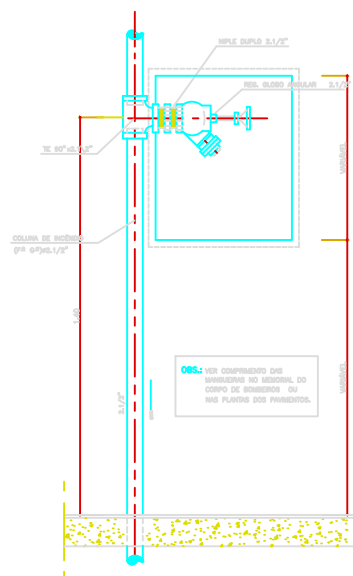
(m) = METRO

(M.C.A.) = METRO CUBO D'ÁGUA

( l/s ) = LITRO POR SEGUNDO

( m/s ) = METRO POR SEGUNDO

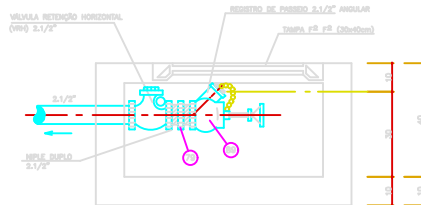
( m³/s ) = METRO CUBO POR HORA



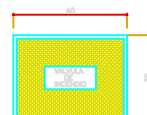
**Cx. de INCÊNDIO**  
ESCALA 1:10

### REGISTRO DE PASSEIO

ESCALA 1:10



OBS: REGISTRO DE PASSEIO DEVE FICAR A 80cm DO BORDO-FR



### Relação de Material

TUBOS-PEÇAS-CONEXÕES (INCÊNDIO)				
	TUBO F.A.		BUCHA REDUÇÃO F.A.	TAPEJO C/ CORRENTE
	1"		3/4" x 1/2"	3/4"
	1 1/4"		1" x 1/2"	
	1 1/2"		1 1/4" x 1"	
	2"		1 1/2" x 1 1/4"	
	2 1/2"		2" x 1 1/2"	
	3"		2 1/2" x 1"	
	4"		3" x 1 1/2"	
	4 1/2"		3 1/2" x 2"	
	6"		4" x 3"	
	6 1/2"		4 1/2" x 3"	
	8"		5" x 3 1/2"	
	8 1/2"		5 1/2" x 3"	
	10"		6" x 4"	
	10 1/2"		6 1/2" x 4"	
	12"		7" x 5"	
	12 1/2"		7 1/2" x 5"	
	14"		8" x 6"	
	14 1/2"		8 1/2" x 6"	
	16"		9" x 7"	
	16 1/2"		9 1/2" x 7"	
	18"		10" x 8"	
	18 1/2"		10 1/2" x 8"	
	20"		11" x 9"	
	20 1/2"		11 1/2" x 9"	
	22"		12" x 10"	
	22 1/2"		12 1/2" x 10"	
	24"		13" x 11"	
	24 1/2"		13 1/2" x 11"	
	26"		14" x 12"	
	26 1/2"		14 1/2" x 12"	
	28"		15" x 13"	
	28 1/2"		15 1/2" x 13"	
	30"		16" x 14"	
	30 1/2"		16 1/2" x 14"	
	32"		17" x 15"	
	32 1/2"		17 1/2" x 15"	
	34"		18" x 16"	
	34 1/2"		18 1/2" x 16"	
	36"		19" x 17"	
	36 1/2"		19 1/2" x 17"	
	38"		20" x 18"	
	38 1/2"		20 1/2" x 18"	
	40"		21" x 19"	
	40 1/2"		21 1/2" x 19"	
	42"		22" x 20"	
	42 1/2"		22 1/2" x 20"	
	44"		23" x 21"	
	44 1/2"		23 1/2" x 21"	
	46"		24" x 22"	
	46 1/2"		24 1/2" x 22"	
	48"		25" x 23"	
	48 1/2"		25 1/2" x 23"	
	50"		26" x 24"	
	50 1/2"		26 1/2" x 24"	
	52"		27" x 25"	
	52 1/2"		27 1/2" x 25"	
	54"		28" x 26"	
	54 1/2"		28 1/2" x 26"	
	56"		29" x 27"	
	56 1/2"		29 1/2" x 27"	
	58"		30" x 28"	
	58 1/2"		30 1/2" x 28"	
	60"		31" x 29"	
	60 1/2"		31 1/2" x 29"	
	62"		32" x 30"	
	62 1/2"		32 1/2" x 30"	
	64"		33" x 31"	
	64 1/2"		33 1/2" x 31"	
	66"		34" x 32"	
	66 1/2"		34 1/2" x 32"	
	68"		35" x 33"	
	68 1/2"		35 1/2" x 33"	
	70"		36" x 34"	
	70 1/2"		36 1/2" x 34"	
	72"		37" x 35"	
	72 1/2"		37 1/2" x 35"	
	74"		38" x 36"	
	74 1/2"		38 1/2" x 36"	
	76"		39" x 37"	
	76 1/2"		39 1/2" x 37"	
	78"		40" x 38"	
	78 1/2"		40 1/2" x 38"	
	80"		41" x 39"	
	80 1/2"		41 1/2" x 39"	
	82"		42" x 40"	
	82 1/2"		42 1/2" x 40"	
	84"		43" x 41"	
	84 1/2"		43 1/2" x 41"	
	86"		44" x 42"	
	86 1/2"		44 1/2" x 42"	
	88"		45" x 43"	
	88 1/2"		45 1/2" x 43"	
	90"		46" x 44"	
	90 1/2"		46 1/2" x 44"	
	92"		47" x 45"	
	92 1/2"		47 1/2" x 45"	
	94"		48" x 46"	
	94 1/2"		48 1/2" x 46"	
	96"		49" x 47"	
	96 1/2"		49 1/2" x 47"	
	98"		50" x 48"	
	98 1/2"		50 1/2" x 48"	
	100"		51" x 49"	
	100 1/2"		51 1/2" x 49"	
	102"		52" x 50"	
	102 1/2"		52 1/2" x 50"	
	104"		53" x 51"	
	104 1/2"		53 1/2" x 51"	
	106"		54" x 52"	
	106 1/2"		54 1/2" x 52"	
	108"		55" x 53"	
	108 1/2"		55 1/2" x 53"	
	110"		56" x 54"	
	110 1/2"		56 1/2" x 54"	
	112"		57" x 55"	
	112 1/2"		57 1/2" x 55"	
	114"		58" x 56"	
	114 1/2"		58 1/2" x 56"	
	116"		59" x 57"	
	116 1/2"		59 1/2" x 57"	
	118"		60" x 58"	
	118 1/2"		60 1/2" x 58"	
	120"		61" x 59"	
	120 1/2"		61 1/2" x 59"	
	122"		62" x 60"	
	122 1/2"		62 1/2" x 60"	
	124"		63" x 61"	
	124 1/2"		63 1/2" x 61"	
	126"		64" x 62"	
	126 1/2"		64 1/2" x 62"	
	128"		65" x 63"	
	128 1/2"		65 1/2" x 63"	
	130"		66" x 64"	
	130 1/2"		66 1/2" x 64"	
	132"		67" x 65"	
	132 1/2"		67 1/2" x 65"	
	134"		68" x 66"	
	134 1/2"		68 1/2" x 66"	
	136"		69" x 67"	
	136 1/2"		69 1/2" x 67"	
	138"		70" x 68"	
	138 1/2"		70 1/2" x 68"	
	140"		71" x 69"	
	140 1/2"		71 1/2" x 69"	
	142"		72" x 70"	
	142 1/2"		72 1/2" x 70"	
	144"		73" x 71"	
	144 1/2"		73 1/2" x 71"	
	146"		74" x 72"	
	146 1/2"		74 1/2" x 72"	
	148"		75" x 73"	
	148 1/2"		75 1/2" x 73"	
	150"		76" x 74"	
	150 1/2"		76 1/2" x 74"	
	152"		77" x 75"	
	152 1/2"		77 1/2" x 75"	
	154"		78" x 76"	
	154 1/2"		78 1/2" x 76"	
	156"		79" x 77"	
	156 1/2"		79 1/2" x 77"	
	158"		80" x 78"	
	158 1/2"		80 1/2" x 78"	
	160"		81" x 79"	
	160 1/2"		81 1/2" x 79"	
	162"		82" x 80"	
	162 1/2"		82 1/2" x 80"	
	164"		83" x 81"	
	164 1/2"		83 1/2" x 81"	
	166"		84" x 82"	
	166 1/2"		84 1/2" x 82"	
	168"		85" x 83"	
	168 1/2"		85 1/2" x 83"	
	170"		86" x 84"	
	170 1/2"		86 1/2" x 84"	
	172"		87" x 85"	
	172 1/2"		87 1/2" x 85"	
	174"		88" x 86"	
	174 1/2"		88 1/2" x 86"	
	176"		89" x 87"	
	176 1/2"		89 1/2" x 87"	
	178"		90" x 88"	
	178 1/2"		90 1/2" x 88"	
	180"		91" x 89"	
	180 1/2"		91 1/2" x 89"	
	182"		92" x 90"	
	182 1/2"		92 1/2" x 90"	
	184"		93" x 91"	
	184 1/2"		93 1/2" x 91"	
	186"		94" x 92"	
	186 1/2"		94 1/2" x 92"	
	188"		95" x 93"	
	188 1/2"		95 1/2" x 93"	
	190"		96" x 94"	
	190 1/2"		96 1/2" x 94"	
	192"		97" x 95"	
	192 1/2"		97 1/2" x 95"	
	194"		98" x 96"	
	194 1/2"		98 1/2" x 96"	
	196"		99" x 97"	
	196 1/2"		99 1/2" x 97"	
	198"		100" x 98"	
	198 1/2"		100 1/2" x 98"	
	200"		101" x 99"	
	200 1/2"		101 1/2" x 99"	
	202"		102" x 100"	
	202 1/2"		102 1/2" x 100"	
	204"		103" x 101"	
	204 1/2"		103 1/2" x 101"	
	206"		104" x 102"	
	206 1/2"		104 1/2" x 102"	
	208"		105" x 103"	
	208 1/2"		105 1/2" x 103"	
	210"		106" x 104"	
	210 1/2"		106 1/2" x 104"	
	212"		107" x 105"	
	212 1/2"		107 1/2" x 105"	
	214"		108" x 106"	
	214 1/2"		108 1/2" x 106"	
	216"		109" x 107"	
	216 1/2"		109 1/2" x 107"	
	218"		110" x 108"	
	218 1/2"		110 1/2" x 108"	
	220"		111" x 109"	
	220 1/2"		111 1/2" x 109"	
	222"		112" x 110"	
	222 1/2"		112 1/2" x 110"	
	224"		113" x 111"	
	224 1/2"		113 1/2" x 111"	
	226"		114" x 112"	
	226 1/2"		114 1/2" x 112"	
	228"		115" x 113"	
	228 1/2"		115 1/2" x 113"	
	230"		116" x 114"	
	230 1/2"		116 1/2" x 114"	
	232"		117" x 115"	
	232 1/2"		117 1/2" x 115"	
	234"		118" x 116"	
	234 1/2"		118 1/2" x 116"	
	236"		119" x 117"	
	236 1/2"		119 1/2" x 117"	
	238"		120" x 118"	
	238 1/2"		120 1/2" x 118"	
	240"		121" x 119"	
	240 1/2"		121 1/2" x 119"	
	242"		122" x 120"	
	242 1/2"		122 1/2" x 120"	
	244"		123" x 121"	
	244 1/2"		123 1/2" x 121"	
	246"		124" x 122"	
	246 1/2"		124 1/2" x 122"	
	248"		125" x 123"	
	248 1/2"		125 1/2" x 123"	
	250"		126" x 124"	
	250 1/2"		126 1/2" x 124"	
	252"		127" x 125"	
	252 1/2"		127 1/2" x 125"	
	254"		128" x 126"	
	254 1/2"		128 1/2" x 126"	
	256"		129" x 127"	
	256 1/2"		129 1/2" x 127"	
	258"		130" x 128"	
	258 1/2"		130 1/2" x 128"	
	260"		131" x 129"	
	260 1/2"		131 1/2" x 129"	
	262"		132" x 130"	
	262 1/2"		132 1/2" x 130"	
	264"		133" x 131"	
	264 1/2"		133 1/2" x 131"	
	266"		134" x 132"	
	266 1/2"		134 1/2" x 132"	
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	268 1/2"		135 1/2" x 133"	
	270"		136" x 134"	
	270 1/2"		136 1/2" x 134"	
	272"		137" x 135"	
	272 1/2"		137 1/2" x 135"	
	274"		138" x 136"	
	274 1/2"		138 1/2" x 136"	
	276"		139" x 137"	
	276 1/2"		139 1/2" x 137"	
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	278 1/2"		140 1/2" x 138"	
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	284"		143" x 141"	
	284 1/2"		143 1/2" x 141"	
	286"		144" x 142"	
	286 1/2"		144 1/2" x 142"	
	288"		145" x 143"	
	288 1/2"		145 1/2" x 143"	
	290"		146" x 144"	
	290 1/2"		146 1/2" x 144"	
	292"		147" x 145"	
	292 1/2"		147 1/2" x 145"	
	294"		148" x 146"	
	294 1/2"		148 1/2" x 146"	
	296"		149" x 147"	
	296 1/2"		149 1/2" x 147"	
	298"		150" x 148"	
	298 1/2"		150 1/2" x 148"	
	300"		151" x 149"	
	300 1/2"		151 1/2" x 149"	
	302"		152" x 150"	
	302 1/2"		152	