

CORPO DE BOMBEIROS MILITAR DE RORAIMA

Diretoria de Prevenção e Serviços técnicos

NORMA TÉCNICA N°. 04/2017

Símbolos gráficos para projeto de segurança contra incêndio

SUMÁRIO

- 1** Objetivo
- 2** Aplicação
- 3** Referência normativa e bibliográfica
- 4** Definições
- 5** Procedimentos

ANEXO

Símbolos gráficos para projeto de segurança contra incêndio

1 OBJETIVO

Padronizar os símbolos gráficos a serem utilizados nos projetos de segurança contra incêndio e emergência das edificações e áreas de risco, atendendo ao previsto na Lei Complementar nº 082/2004 - Código Estadual de Proteção Contra Incêndio e Emergência de Roraima.

2 APLICAÇÃO

2.1 Esta Norma Técnica (IT) aplica-se a todos os projetos de segurança contra incêndio, por ocasião da regularização perante ao Corpo de Bombeiros.

2.2 Adota-se a NBR 14100/98 – Proteção contra incêndio – símbolos gráficos para projeto, com as inclusões e adequações de exigências constantes nesta NT.

3 REFERÊNCIA NORMATIVA

NBR 14100/98 – Proteção contra incêndio – símbolos gráficos para projeto.

4 DEFINIÇÕES

Para efeito desta Instrução Técnica, aplicam-se as definições constantes da NT 03/17 – Terminologia de segurança contra incêndio.

5 PROCEDIMENTOS

5.1 Os símbolos gráficos que devem constar nos projetos de segurança contra incêndio e emergência das edificações e áreas de risco são apresentados no anexo desta NT.

5.2 Os símbolos gráficos são compostos por uma forma geométrica básica, que define uma categoria de segurança contra incêndio e por um símbolo suplementar, que, quando colocado no interior da forma geométrica básica, define o significado específico do conjunto.

5.3 As dimensões dos símbolos devem estar em uma mesma escala, proporcional à escala de desenho do projeto, e devem permitir a perfeita visualização dos sistemas e equipamentos de segurança contra incêndio.

5.4 Os símbolos podem ser suplementados por figuras detalhadas, números ou abreviaturas.

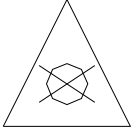
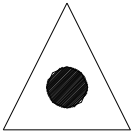

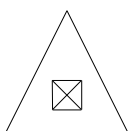
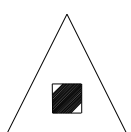
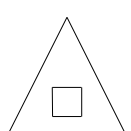
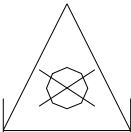
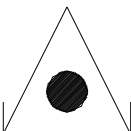
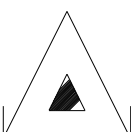
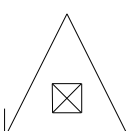
5.5 Os significados de todos os símbolos utilizados devem ser representados em uma legenda, de forma clara e de fácil identificação pelo leitor.

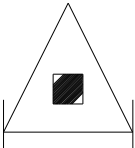
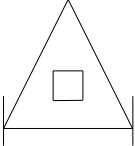
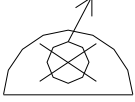
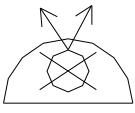
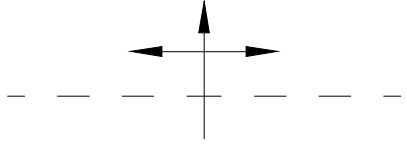

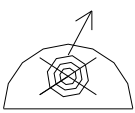
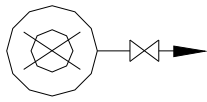
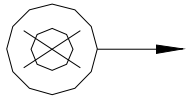
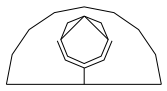
5.6 Símbolos complementares que não constem do anexo desta NT, podem ser incorporados ao projeto de segurança contra incêndio, desde que devidamente definidos em legenda.


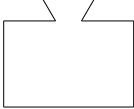
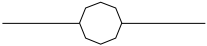

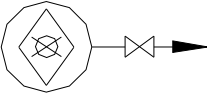

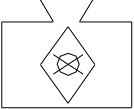
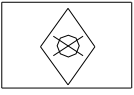
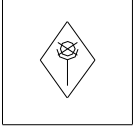

5.7 No caso de projetos executivos das instalações de segurança contra incêndio, podem ser adotadas as simbologias próprias das respectivas normas técnicas da ABNT.




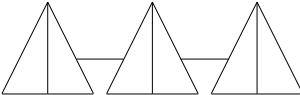
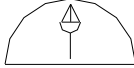
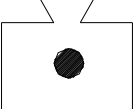

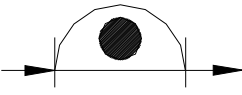
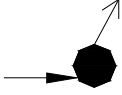
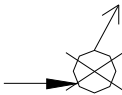
Anexo




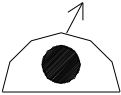


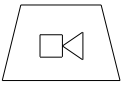
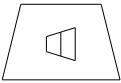
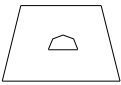
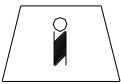
Símbolos gráficos para projeto de segurança contra incêndio

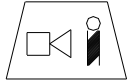
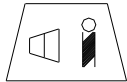
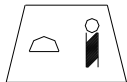
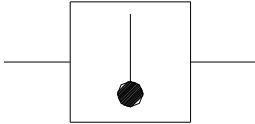
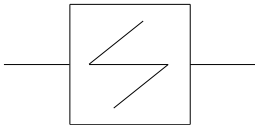
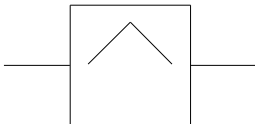
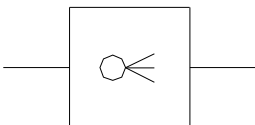
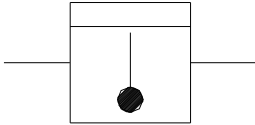
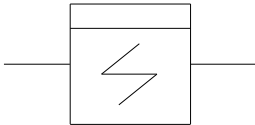
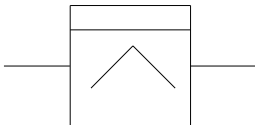
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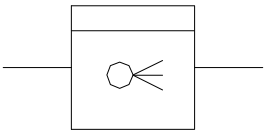
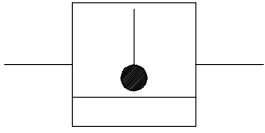
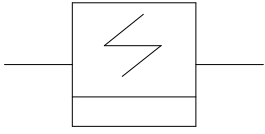
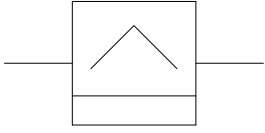
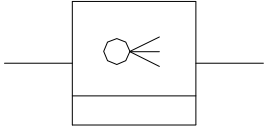
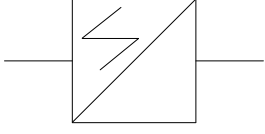
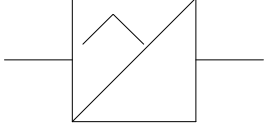
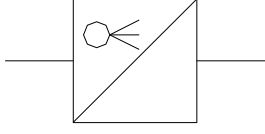
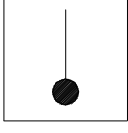
SISTEMA DE HIDRANTES	SISTEMA DE HIDRANTES	EXTINTORES SOBREPONDAS	
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		CARGA DE PÓ ABC	
		CARGA DE PÓ D	
		HIDRANTE SIMPLES	
		HIDRANTE DUPLO	
		HIDRANTE URBANO DE COLUNA	
		HIDRANTE URBANO SUBTERRANEO	
		MANGOTINHO	
		REGISTRO DE PRESSÃO COM VALVULA DE RETENÇÃO	
		REGISTRO DE PRESSÃO SEM VALVULA DE RETENÇÃO	
		ACIONADOR DE BOMBA DE INCENDIO (BOTÃO TIPO LIGA)	

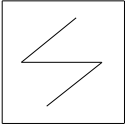
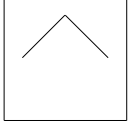
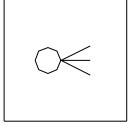
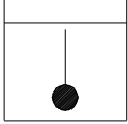
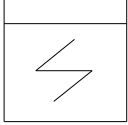
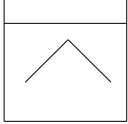
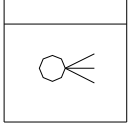
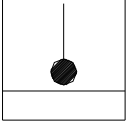
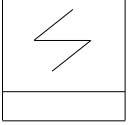
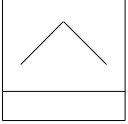
SISTEMA DE HIDRANTES	SISTEMA DE HIDRANTES	BOMBA DE INCENDIO	
		RECEPVA DE INCENDIO	
SISTEMA FIXO DE EXTINCAO	CHUVEIROS AUTOMATICOS	PONTO (BICO DE SPRINKLER)	
		AREA PROTEGIDA PELO SISTEMA DE CHUVEIROS AUTOMATICOS	
		REGISTRO DE PRESSAO PARA SISTEMA DE CHUVEIROS AUTOMATICOS	
		BOMBA DE INCENDIO PARA SISTEMA DE CHUVEIROS AUTOMATICOS	
		RECEPVA DE INCENDIO PARA SISTEMA DE CHUVEIROS AUTOMATICOS	
		PAINEL DE COMANDO CENTRAL SISTEMA DE CHUVEIROS AUTOMATICOS	
		VALVULA DE GOVERNO E ALARME (VGA) E/OU COMANDO SECCIONAL (CS)	
	GAS CALIFORNICO	AREA PROTEGIDA PELO SISTEMA FIXO DE CO	

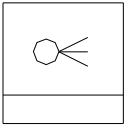
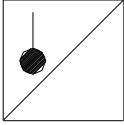
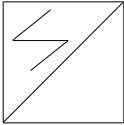
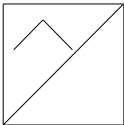
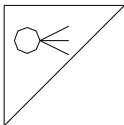
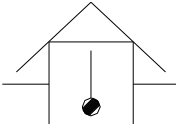
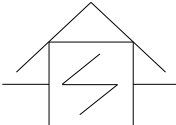
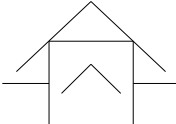
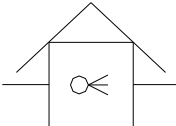
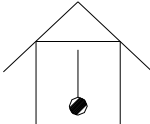
SISTEMA FIXO DE EXTINCAO	GAS CARBONICO (CO2)	BATERIA DE CILINDROS DO SISTEMA FIXO DE CO	
		ACIONADOR MANUAL DO SISTEMA FIXO DE CO	
	SISTEMA ALTERNATIVO AO HALON	AREA PROTEGIDA HALON	
		CENTRAL DE BATERIAS HALON	
		ACIONADOR MANUAL HALON	
	SISTEMA DE ESPUMA	TANQUE ATMOSFERICO DE CFC SISTEMA FIXO DE ESPUMA	
		ESTACAO FIXA DE EMULSIONAMENTO	
		ESTACAO MOVEL DE EMULSIONAMENTO	
		CANHAO MONITOR (PORTATIL) SISTEMA FIXO DE ESPUMA	
		CANHAO MONITOR (PORTATIL) SISTEMA FIXO DE RESFRIAMENTO	

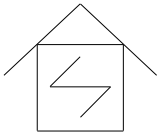
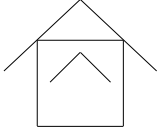
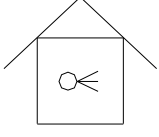
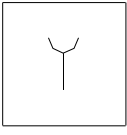
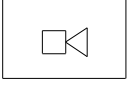

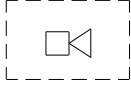
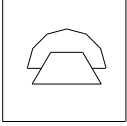


SISTEMA IXO DI IXINCAO	SISTEMA DI SPUMA	API A PPOTI GIDA PI LO SISTEMA IXO DI SPUMA	
		CAMAPA DI SPUMA DO SISTEMA IXO DI SPUMA	
		IXTPATO IOPMADOP DI SPUMA (III) - POPTATIL	
		SISTEMA POPTATIL DI SPUMA (I SGUICHO LANCADOP)	
SISTEMA IXO DI IXINCAO	NITULI/ADOIIS	API A PPOTI GIDA PI LO SISTEMA DI NIBULIZADOIIS	
		PI GISTPO MANUAL DO SISTEMA DI NIBULIZADOIIS	
SISTEMA DI IICCAO I ALAIMI	SISTEMA DI ALAIMI	AVISADOP SONOPO TIPO SIPI NI	
		AVISADOP SONOPO TIPO ALTO IALANTI	
		AVISADOP SONOPO TIPO GONGO	
		AVISADOP VISUAL	

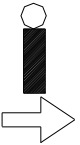
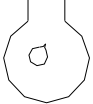

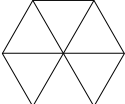
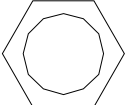





SISTEMI DI SICUREZZA	SISTEMI DI ALLARMI	AVVISADOP SONORO I VISUAL (COM SIFRINE)	
		AVVISADOP SONORO I VISUAL (COM ALTO PARLANTE)	
		AVVISADOP SONORO I VISUAL (COM GONGO)	
	DETECTORI LINEARI	DETECTOR DE CALOR LINEAR	
		DETECTOR DE FUMACA LINEAR	
		DETECTOR DE CHAMAS LINEAR	
		DETECTOR DE GAS LINEAR	
	DETECTORI PUNTO	DETECTOR DE CALOR LINEAR CENTRIPUNTO	
		DETECTOR DE FUMACA LINEAR CENTRIPUNTO	
		DETECTOR DE CHAMAS LINEAR CENTRIPUNTO	

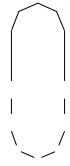
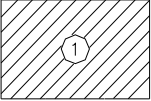
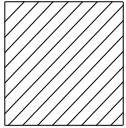
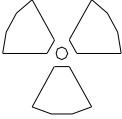

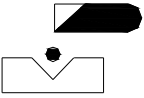


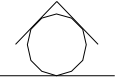
SISTEMA DE DETECÇÃO E ALARME	DETECTOR LINEAR ENTREFORRO	DETECTOR DE GÁS LINEAR ENTREFORRO	
	DETECTORES LINEARES ENTREPISO	DETECTOR DE PISO LINEAR ENTREPISO	
		DETECTOR DE FUMAÇA LINEAR ENTREPISO	
		DETECTOR DE CHAMAS LINEAR ENTREPISO	
		DETECTOR DE GÁS LINEAR ENTREPISO	
		DETECTORES LINEARES EM ARMÁRIOS	DETECTOR DE CALOR LINEAR EM ARMÁRIO
	DETECTOR DE FUMAÇA LINEAR EM ARMÁRIO		
	DETECTOR DE CHAMA LINEAR EM ARMÁRIO		
	DETECTOR DE GÁS LINEAR EM ARMÁRIO		
	DETECTORES PONTUAIS	DETECTOR DE CALOR PONTUAL	



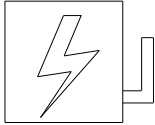

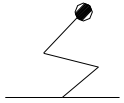

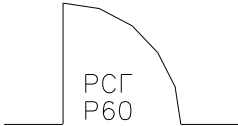
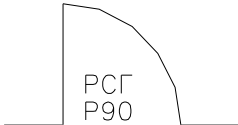
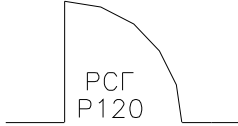

SISTEMA DE DETECÇÃO ALARME	DETECTOR PONTUAL	DETECTOR DE FUMACA PONTUAL	
		DETECTOR DE CHAMAS PONTUAL	
		DETECTOR DE GAS PONTUAL	
	DETECTOR PONTUAL	DETECTOR DE CALOR PONTUAL ENTREPOSO	
		DETECTOR DE FUMACA PONTUAL ENTREPOSO	
		DETECTOR DE CHAMAS PONTUAL ENTREPOSO	
		DETECTOR DE GAS PONTUAL ENTREPOSO	
	DETECTOR PISO	DETECTOR DE PISO PONTUAL ENTREPISO	
		DETECTOR DE FUMACA PONTUAL ENTREPISO	
		DETECTOR DE CHAMAS PONTUAL ENTREPISO	






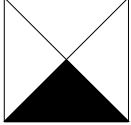
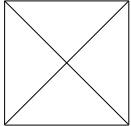

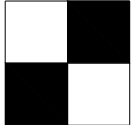

SISTEMA DE DETECÇÃO E ALARME	DETECÇÃO E ALARME	DETECTOR DE GAS PONTUAL ENTREPISO	
		DETECTOR DE CALOR PONTUAL EM ARMÁRIO	
		DETECTOR DE FUMACA PONTUAL EM ARMÁRIO	
		DETECTOR DE CHAMA PONTUAL EM ARMÁRIO	
		DETECTOR DE GAS PONTUAL EM ARMÁRIO	
	DETECÇÃO E ALARME	DETECTOR DE CALOR LINHA COM PROTEÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE FUMACA LINHA COM PROTEÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE CHAMAS LINHA COM PROTEÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE GAS LINHA COM PROTEÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE CALOR PONTUAL COM PROTEÇÃO CONTRA INTERRUPÇÕES	


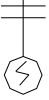
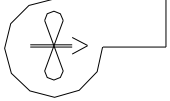
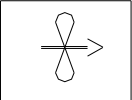
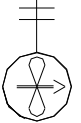
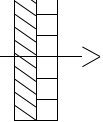
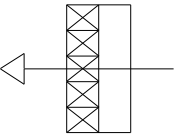
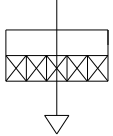
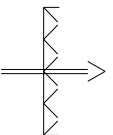
SISTEMA DE DETECÇÃO E ALARME	DIICIONÁRIOS	DETECTOR DE FUMACA PONTUAL COM PROTECÇÃO CONTRA INTENPÉRIES		
		DETECTOR DE CHAMMAS PONTUAL COM PROTECÇÃO CONTRA INTENPÉRIES		
		DETECTOR DE GAS PONTUAL COM PROTECÇÃO CONTRA INTENPÉRIES		
	COMPLEMENTOS	ACIONADOR MANUAL DO SISTEMA DE DETECÇÃO E ALARME		
		CENTRAL DE DETECÇÃO E ALARME		
		BATERIAS DO SISTEMA DE DETECÇÃO E ALARME		
		PAINEL REPETIDOR DO SISTEMA		
		TELEFONE DE EMERGENCIA/ INTERFONE		
	SISTEMA DE ILUMINAÇÃO DE EMERGENCIA	ILUMINAÇÃO DE EMERGENCIA	PONTO DE ILUMINAÇÃO DE EMERGENCIA	
			BATERIAS DE ACUMULADORES PARA O SISTEMA DE ILUMINAÇÃO DE EMERGENCIA	

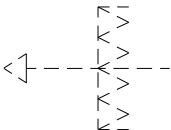
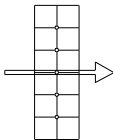
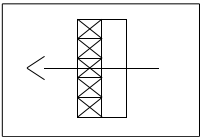
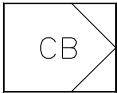
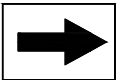

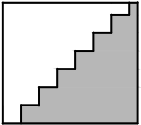
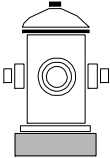

SIST. DE ILUM. DE EMERGÊNCIA	ILUMINAÇÃO DE EMERGÊNCIA	PONTO DE ILUMINAÇÃO DE EMERGÊNCIA TIPO BALIZAMENTO	
		GRUPO MOTOGERADOR	
		CENTRAL DO SISTEMA DE ILUMINAÇÃO DE EMERGÊNCIA	
VAZOS E TANQUES	CENTRAL GLP	CENTRAL PREDIAL DE GLP OU GÁS NATURAL	
	VASO PRES.	VASO SOBREPRESSÃO	
	TANQUES	TANQUE HORIZONTAL ABAIXO DO SOLO (ENTERRADO)	
		TANQUE HORIZONTAL ACIMA DO SOLO (SUPERFÍCIE)	
		TANQUE VERTICAL ABAIXO DO SOLO (ENTERRADO)	
		TANQUE VERTICAL ACIMA DO SOLO (ELEVADO)	
		TANQUE HORIZONTAL SEMIENTERRADO	

	MANOUE VI PTICAL SI MII NTI PPADO	
I SCOS	AI I AS DI I ISCO	
	API A DI PISCO I SPI CIAL	
	API AS I PIAS	
	PADIOATIVOS	
	TOXICO	
	COPPOSIVO	
	I XPLOSIVO	
	COMBUSTIVI L	
	COMBUPI NTI	
		DIPI CAO DO I LUXO DA POTA DI SAIDA

		SAIDA FINAL DA POTÁ	
SISTEMA ELÉTRICO	INSTALAÇÃO ELÉTRICA	CHAVES ELÉTRICAS SECUNDÁRIAS	
		CHAVES ELÉTRICAS PRINCIPAIS	
		QUADRO DE DISTRIBUIÇÃO DE LUZ (ODL)	
SISTEMA PASSIVO	INSTALAÇÃO	PARA-RAIO	
		BARRA ANTIPÂNICO	
	MATERIAIS E EQUIPAMENTOS	PORTA COPTAÍLOGO P-60	
		PORTA COPTAÍLOGO P-90	
		PORTA COPTAÍLOGO P-120	
	ABERTURA PROTETORA P-60		

		ABERTURA PROTEGIDA P-30	
SISII MAI ASSIVO	VIDOS	PAREDES COPTAFOGO	
		PAREDE DE COMPARTIMENTACAO	
		PAREDE COMUM	
		DIVISOPIAS LEVES	
SISII MAI ASSIVO	ELEVADOS	ELEVADOR MONTACARGA	
		ELEVADOR SIMPLES	
		ELEVADOR DE EMERGENCIA	
SISII MAI ASSIVO	SISII	SISII PROTEGIDOS	
	DAMIOS	DAMIOS COPTAFOGO	

SISTEMA PASSIVO	DAMPERS	DAMPERS COPLANAR	
		DAMPERS COPLANAR	
	SISTEMA DE VENTILACAO E SISTEMA DE CONTROLO DE UMIDADE	GRUPO MOTORIZADO OU GRUPO MOTOR-EXHAUSTOR OU EXHAUSTOR PARA CONTROLO DE UMIDADE	
		ACIONADOR MANUAL PARA SUPRIR/O EXHAUSTOR	
		DAMPERS DE SOBREPRESSAO	
		VENTILACAO DE INTENSAO DE AR COM FILTRO MICROCANAL	
		VENTILACAO DE INTENSAO DE AR PARA SISTEMA DE CONTROLO DE UMIDADE (junto ao PISO)	
		VENTILACAO DE EXHAUSTOR PARA SISTEMA DE CONTROLO DE UMIDADE (junto ao TETO)	
		DIMENSAO DA VENTILACAO ALTURA DO PISO (m)	$\frac{\text{Largura} \times \text{Altura (Vene/ana)}}{\text{Altura do piso}}$
		GRILHA COM DISPOSITIVO DE AJUSTE E BALANCIAMENTO	

SISTEMA PASSIVO	Sistema de Ventilação e Sistema de Controle de Fumaça	GRELHA PARA SISTEMA DE CONTROLE DE FUMAÇA	
		REGISTRO DE FLUXO	
		CENTRAL DE ACIONAMENTO DAS VENEZIANAS	
OUTROS	OUTROS	ACESSO DE VIATURA NA EDIFICAÇÃO OU ÁREA DE RISCO	
		ACESSO DE GUARNIÇÃO À EDIFICAÇÃO OU ÁREA DE RISCO	
		EQUIPAMENTOS A PROVA DE EXPLOÇÃO	
		ESCALADA DE SEGURANÇA COM RESISTÊNCIA AO FOGO	
		HIDRANTE PÚBLICO	
		LOCAL CONFINADO	
		PRODUTO PERIGOSO	