

CORPO DE BOMBEIROS MILITAR DE RORAIMA

Diretoria de Prevenção e Serviços técnicos

NORMA TÉCNICA N°. 04/2021

Símbolos gráficos para projeto de segurança contra incêndio

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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 (NT) 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 – 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.

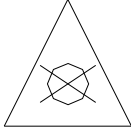
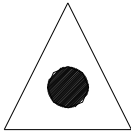

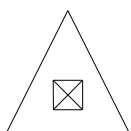
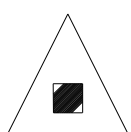
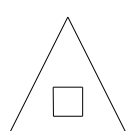
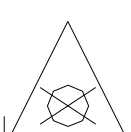
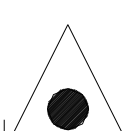

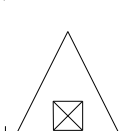
5.5 Os significados de todos os símbolos utilizados devem ser representados em uma legenda, de forma clara e de fácil identificação pelo leitor.

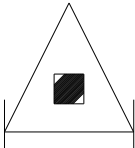
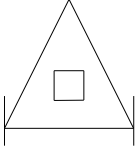
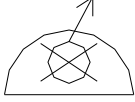

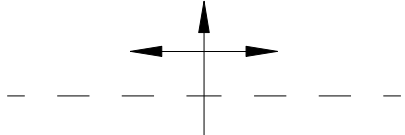

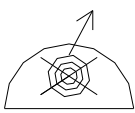
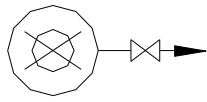
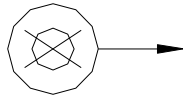
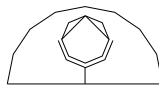
5.6 Símbolos complementares que não constem do anexo desta NT, podem ser incorporados ao projeto de segurança contra incêndio, desde que devidamente definidos em legenda.


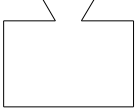
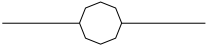
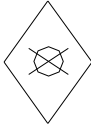
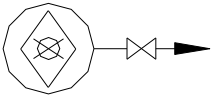

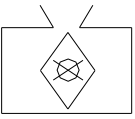
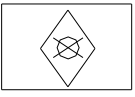
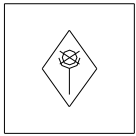

5.7 No caso de projetos executivos das instalações de segurança contra incêndio, podem ser adotadas as simbologias próprias das respectivas normas técnicas da ABNT.


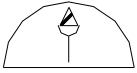

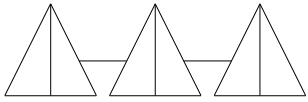
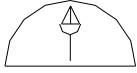
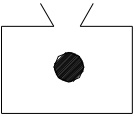
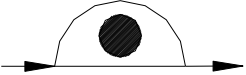
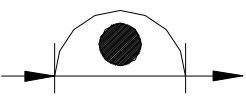
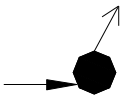
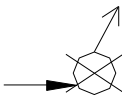
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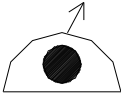


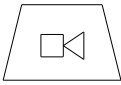
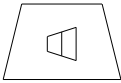
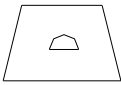
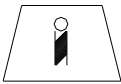
Símbolos gráficos para projeto de segurança contra incêndio

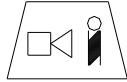
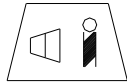
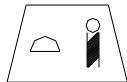
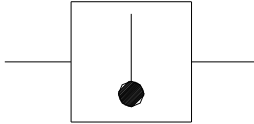
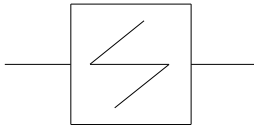
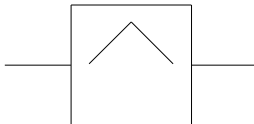
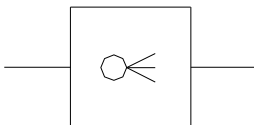
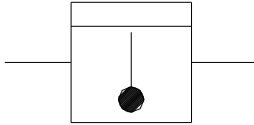
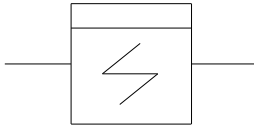
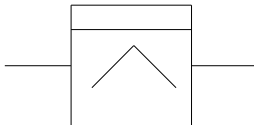
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		CAPGA DE PO B C	
		CAPGA DE PO A B C	
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	I X I I N I O I P I S S O B R I P P O D A S	CAPGA D'AGUA	
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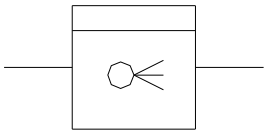
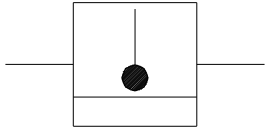
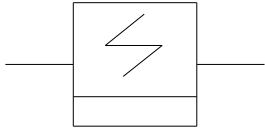
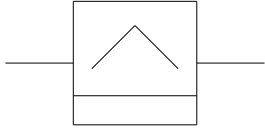
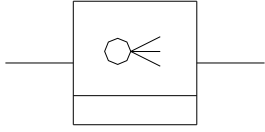
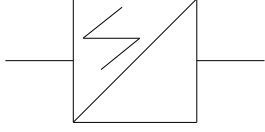
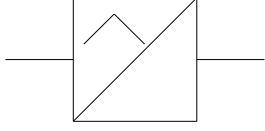
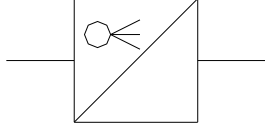
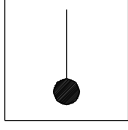
SISTEMA DE HIDRANTES	SISTEMA DE HIDRANTES	EXTINTORES SOBREPONDAS	CARGA DE PÓ ABC	
			CARGA DE PÓ D	
SISTEMA DE HIDRANTES	SISTEMA DE HIDRANTES		HIDRANTE SIMPLES	
			HIDRANTE DUPLO	
			HIDRANTE URBANO DE COLUNA	
			HIDRANTE URBANO SUBTERRANEO	
			MANGOTINHO	
			REGISTRO DE RECALQUE COM VALVULA DE RETENCAO	
			REGISTRO DE RECALQUE SEM VALVULA DE RETENCAO	
			ACIONADOR DE BOMBA DE INCENDIO (BOTOEIRA TIPO LIGA)	

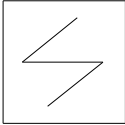
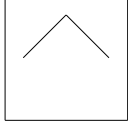
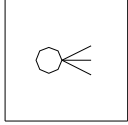
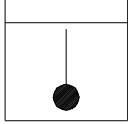
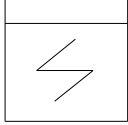
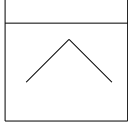
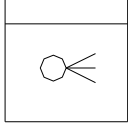
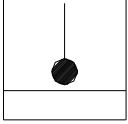
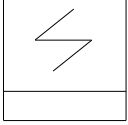
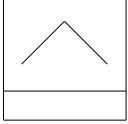
SISTEMA DE HIDRANTES	SISTEMA DE HIDRANTES	BOMBA DE INCENDIO	
		RESERVA DE INCENDIO	
SISTEMA FIXO DE EXTINCAO	CHUVEIOS AUTOMATICOS	PONTO (BICO DE SPRINKLER)	
		AREA PROTEGIDA PELO SISTEMA DE CHUVEIOS AUTOMATICOS	
		REGISTRO DE PRESSAO PARA SISTEMA DE CHUVEIOS AUTOMATICOS	
		BOMBA DE INCENDIO PARA SISTEMA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

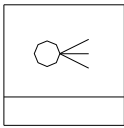
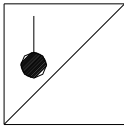
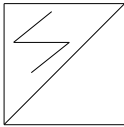
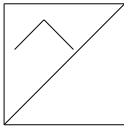
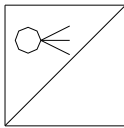
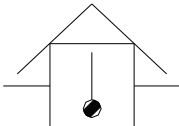
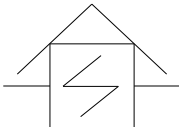
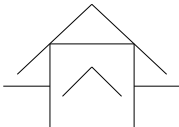
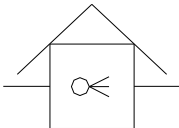
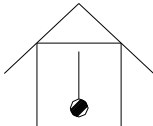
SISTEMA FIXO DE EXTINCAO	GAS CARBONICO (CO2)	BATEIA DE CILINDROS DO SISTEMA FIXO DE CO	
		ACIONADOR MANUAL DO SISTEMA FIXO DE CO	
	SISTEMA ALTERNATIVO AO HALON	AREA PROTEGIDA HALON	
		CENTRAL DE BATEIAS HALON	
		ACIONADOR MANUAL HALON	
	SISTEMA DE ESPUMA	TANQUE ATMOSFERICO DE CFC SISTEMA FIXO DE ESPUMA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

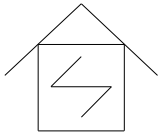
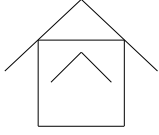
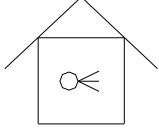
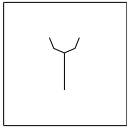
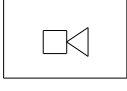

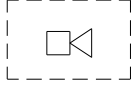
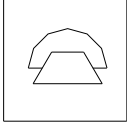


SISTEMA IXO DI IXINCAO	SISTEMA DI SPUMA	API A PPOTI GIDA PI LO SISTEMA IXO DI SPUMA	
		CAMAPA DI SPUMA DO SISTEMA IXO DI SPUMA	
		IXTPATO IOPMADOP DI SPUMA (III) - POPTATIL	
		SISTEMA POPTATIL DI SPUMA (I SGUICHO LANCADOP)	
SISTEMA IXO DI IXINCAO	NITULI/ADOIIS	API A PPOTI GIDA PI LO SISTEMA DI NIBULIZADOIIS	
		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	

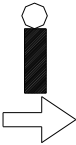
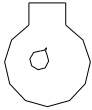
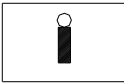
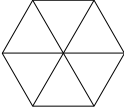
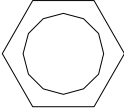




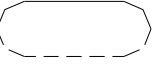
SISTEMA DI SICURO ALAMI	SISTEMA DI ALAMI	AVISADOP SONOPO I VISUAL (COM SIPI NE)	
		AVISADOP SONOPO I VISUAL (COM ALTO GALANTE)	
		AVISADOP SONOPO I VISUAL (COM GONGO)	
	DIREZIONE LINEARI	DETECTOP DE CALOP LINEAR	
		DETECTOP DE FUMACA LINEAR	
		DETECTOP DE CHAMAS LINEAR	
		DETECTOP DE GAS LINEAR	
	DIREZIONE LINEARI INTRORPO	DETECTOP DE CALOP LINEAR ENTRORPO	
		DETECTOP DE FUMACA LINEAR ENTRORPO	
		DETECTOP DE CHAMAS LINEAR ENTRORPO	

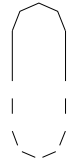
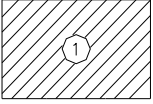
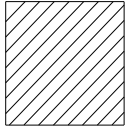
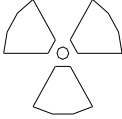

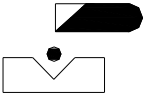


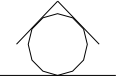

SISTEMA DE DETECÇÃO E ALARME	DETECTOR LINEAR ENTREFORRO	DETECTOR DE GÁS LINEAR ENTREFORRO	
	DETECTORES LINEARES ENTREPISO	DETECTOR DE PISO LINEAR ENTREPISO	
		DETECTOR DE FUMAÇA LINEAR ENTREPISO	
		DETECTOR DE CHAMAS LINEAR ENTREPISO	
		DETECTOR DE GÁS LINEAR ENTREPISO	
		DETECTORES LINEARES EM ARMÁRIOS	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	



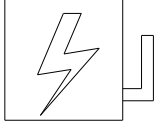

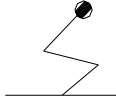
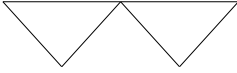
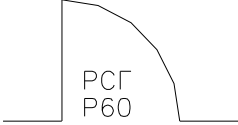
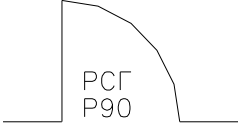
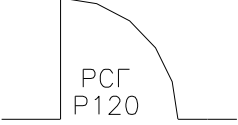

SISTEMA DE DETECÇÃO E ALARME	DETECÇÃO EM AMBIENTES	DETECTOR DE FUMAÇA PONTUAL	
		DETECTOR DE CHAMAS PONTUAL	
		DETECTOR DE GAS PONTUAL	
	DETECÇÃO EM AMBIENTES	DETECTOR DE CALOR PONTUAL ENTRETOPO	
		DETECTOR DE FUMAÇA PONTUAL ENTRETOPO	
		DETECTOR DE CHAMAS PONTUAL ENTRETOPO	
		DETECTOR DE GAS PONTUAL ENTRETOPO	
	DETECÇÃO EM AMBIENTES	DETECTOR DE PISO PONTUAL ENTREPISO	
		DETECTOR DE FUMAÇA PONTUAL ENTREPISO	
		DETECTOR DE CHAMAS PONTUAL ENTREPISO	



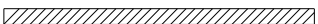
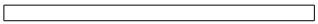


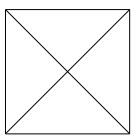
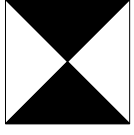
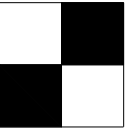
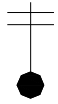
SISTEMA DE DETECÇÃO E ALARME	DETECÇÃO E ALARME EM AMBIENTES INTERIORES	DETECTOR DE GAS PONTUAL ENTREPISO	
		DETECTOR DE CALOR PONTUAL EM ARMÁRIO	
		DETECTOR DE FUMACA PONTUAL EM ARMÁRIO	
		DETECTOR DE CHAMA PONTUAL EM ARMÁRIO	
		DETECTOR DE GAS PONTUAL EM ARMÁRIO	
	DETECÇÃO E ALARME EM LINHAS DE TRANSMISSÃO	DETECTOR DE CALOR LINHAS COM PROTECÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE FUMACA LINHAS COM PROTECÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE CHAMAS LINHAS COM PROTECÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE GAS LINHAS COM PROTECÇÃO CONTRA INTERRUPÇÕES	
		DETECTOR DE CALOR PONTUAL COM PROTECÇÃO CONTRA INTERRUPÇÕES	

SISTEMA DE DETECÇÃO E ALARME	DIFUSORES	DETECTOR DE FUMACA PONTUAL COM PROTECAO CONTRA INTEMPERIES		
		DETECTOR DE CHAMAS PONTUAL COM PROTECAO CONTRA INTEMPERIES		
		DETECTOR DE GAS PONTUAL COM PROTECAO CONTRA INTEMPERIES		
	COMPLEMENTOS	ACIONADOR MANUAL DO SISTEMA DE DETECCAO E ALARME		
		CENTRAL DE DETECCAO E ALARME		
		BATERIAS DO SISTEMA DE DETECCAO E ALARME		
		PAINEL PERPETIDOR DO SISTEMA		
		TELEFONE DE EMERGENCIA/ INTERFONE		
	SISTEMA DE ILUMINACAO DE EMERGENCIA	ILUMINACAO DE EMERGENCIA	PONTO DE ILUMINACAO DE EMERGENCIA	
			BATERIAS DE ACUMULADORES PARA O SISTEMA DE ILUMINACAO DE EMERGENCIA	

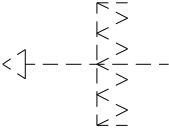
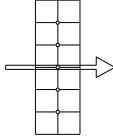
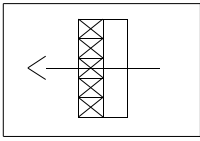
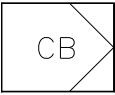
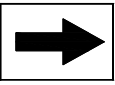

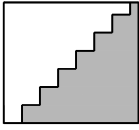
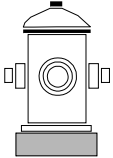

SIST. DE ILUM. DE EMERGÊNCIA	ILUMINAÇÃO DE EMERGÊNCIA	PONTO DE ILUMINAÇÃO DE EMERGÊNCIA TIPO BALIZAMENTO	
		GRUPO MOTOGERADOR	
		CENTRAL DO SISTEMA DE ILUMINAÇÃO DE EMERGÊNCIA	
VAZOS E TANQUES	CENTRAL GLP	CENTRAL PREDIAL DE GLP OU GÁS NATURAL	
	VASO PRES.	VASO SOBREPRESSÃO	
	TANQUES	TANQUE HORIZONTAL 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			

	INQUISI	TANQUE VIPTICAL SI MII NTI PPADO		
ISCOS	AIAS DI ISCO	API A DI PISCO I SPI CIAL		
		API AS I PIAS		
	ODUIOS IIGOSOS	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	CHAVI ELÉTRICA SECUNDÁRIA	
		CHAVI ELÉTRICA PRINCIPAL	
		QUADRO DE DISTRIBUIÇÃO DE LUZ (ODL)	
SISTEMA PASSIVO	INSTALAÇÃO	PARA-RAIO	
		BARRA ANTIPÂNICO	
	INSTALAÇÃO DE CABOS	POSTA COPTAÍLOGO P-60	
		POSTA COPTAÍLOGO P-90	
		POSTA COPTAÍLOGO P-120	
	ABERTURA PORTAÍLOGO P-60		

SISTEMA PASSIVO	VIDOS	ABERTURA PROTEGIDA P-30	
		PAREDES COPTAFOGO	
		PAREDE DE COMPARTIMENTAÇÃO	
		PAREDE COMUM	
		DIVISÓRIAS LEVES	
	ELEVADORES	ELEVADOR MONTACARGA	
		ELEVADOR SIMPLES	
		ELEVADOR DE EMERGENCIA	
	SINAIS	SINAIS PROTEGIDOS	
	DAMPERS	DAMPERS COPTAFOGO	

SISTEMA PASSIVO	DAMPERS	DAMPERS COPLANAR	
		DAMPERS COPLANAR	
	SISTEMA DE VENTILACION Y SISTEMA DE CONTROL DE HUMEDAD	GRUPO MOTOPULSADOR O GRUPO MOTOR-EXHAUSTOR O EXHAUSTOR PARA CONTROLES DE HUMEDAD	
		ACCIONADOR MANUAL PARA SUPLENIR/EXHAUSTOR	
		DAMPERS DE SOBREPRESION	
		VENTILACION DE INTERCOMUNICACION CON FILTRO MICROFILTRANTE	
		VENTILACION DE INTERCOMUNICACION PARA SISTEMA DE CONTROL DE HUMEDAD (junto al PISO)	
		VENTILACION DE EXHAUSTOR PARA SISTEMA DE CONTROL DE HUMEDAD (junto al TITO)	
		DIMENSIONES DE VENTILACION ALTURA DEL PISO (m)	$\frac{\text{Largura} \times \text{Altura (Vene/ana)}}{\text{Altura do piso}}$
		GRILLAS CON DISPOSITIVO DE AJUSTE Y BALANCIAMIENTO	

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 EXPLOSÃO	
		ESCADA DE SEGURANÇA COM RESISTÊNCIA AO FOGO	
		HIDRANTE PÚBLICO	
		LOCAL CONFINADO	
		PRODUTO PERIGOSO	