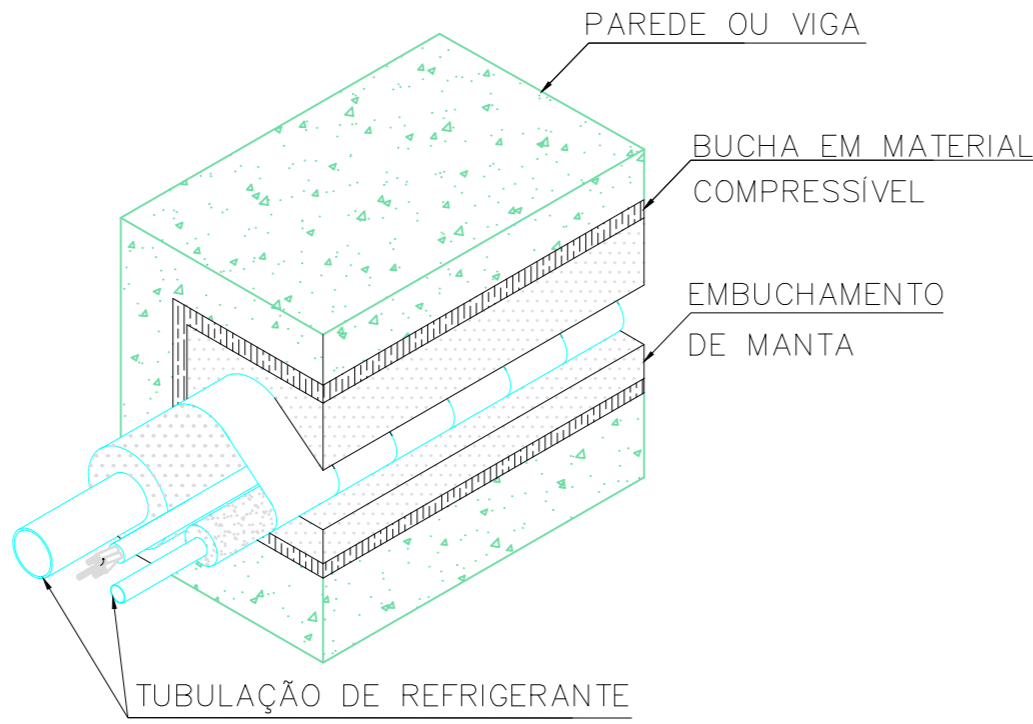
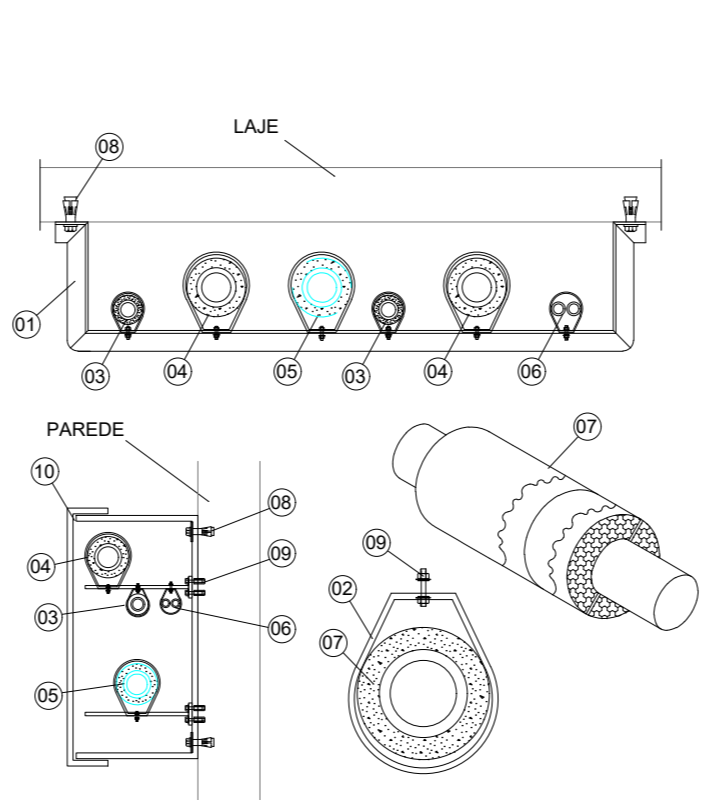


EQUIVALÊNCIA DE BITOLAS		PESO TUBO
POLEGADAS	COBRE (REFRIGERAÇÃO) R-410A	
1/4	6,35 x 0,76mm	0,121 Kg/m
3/8	9,53 x 0,81mm	0,203 Kg/m
1/2	12,7 x 0,81mm	0,277 Kg/m
5/8	15,88 x 0,81mm	0,354 Kg/m
3/4	19,05 x 0,81mm	0,467 Kg/m
7/8	19,05 x 0,81mm	
1	25,4 x 0,89mm	
1.1/8	28,57 x 0,89mm	
1.3/8	34,92 x 1,07mm	
1.5/8	41,27 x 1,27mm	
2.1/8	53,97 x 1,50mm	
2.5/8	66,67 x 1,65mm	

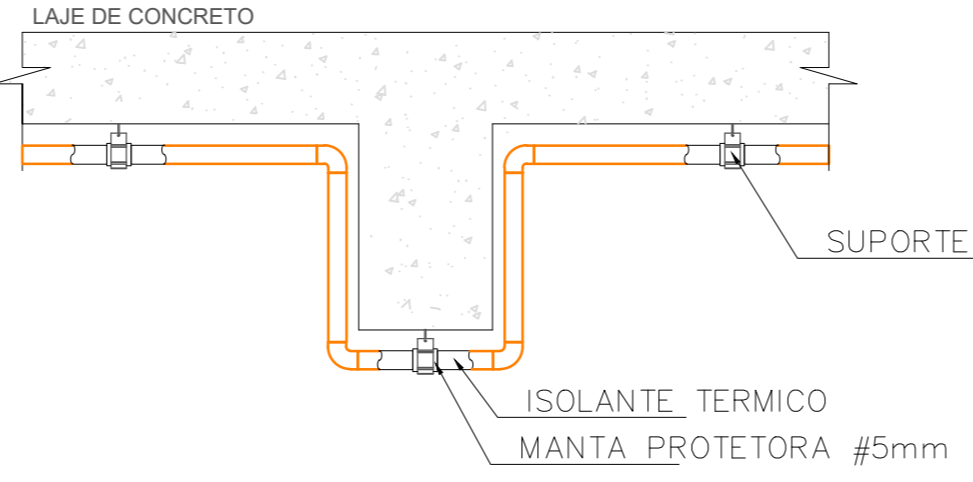


PASSAG. TUB. DE COBRE EM ALV.
Escala S/E

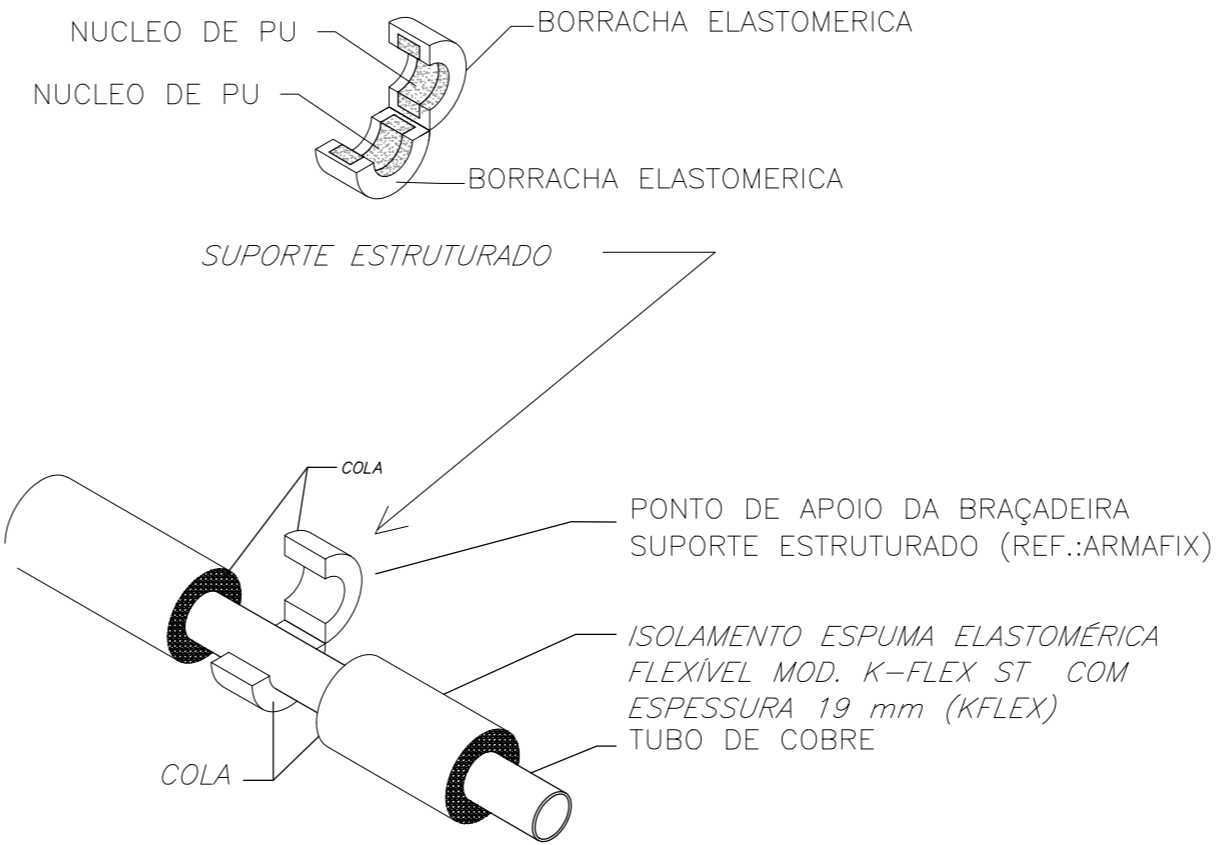


DET. TÍPICO SUP. TUBOS
Escala S/E

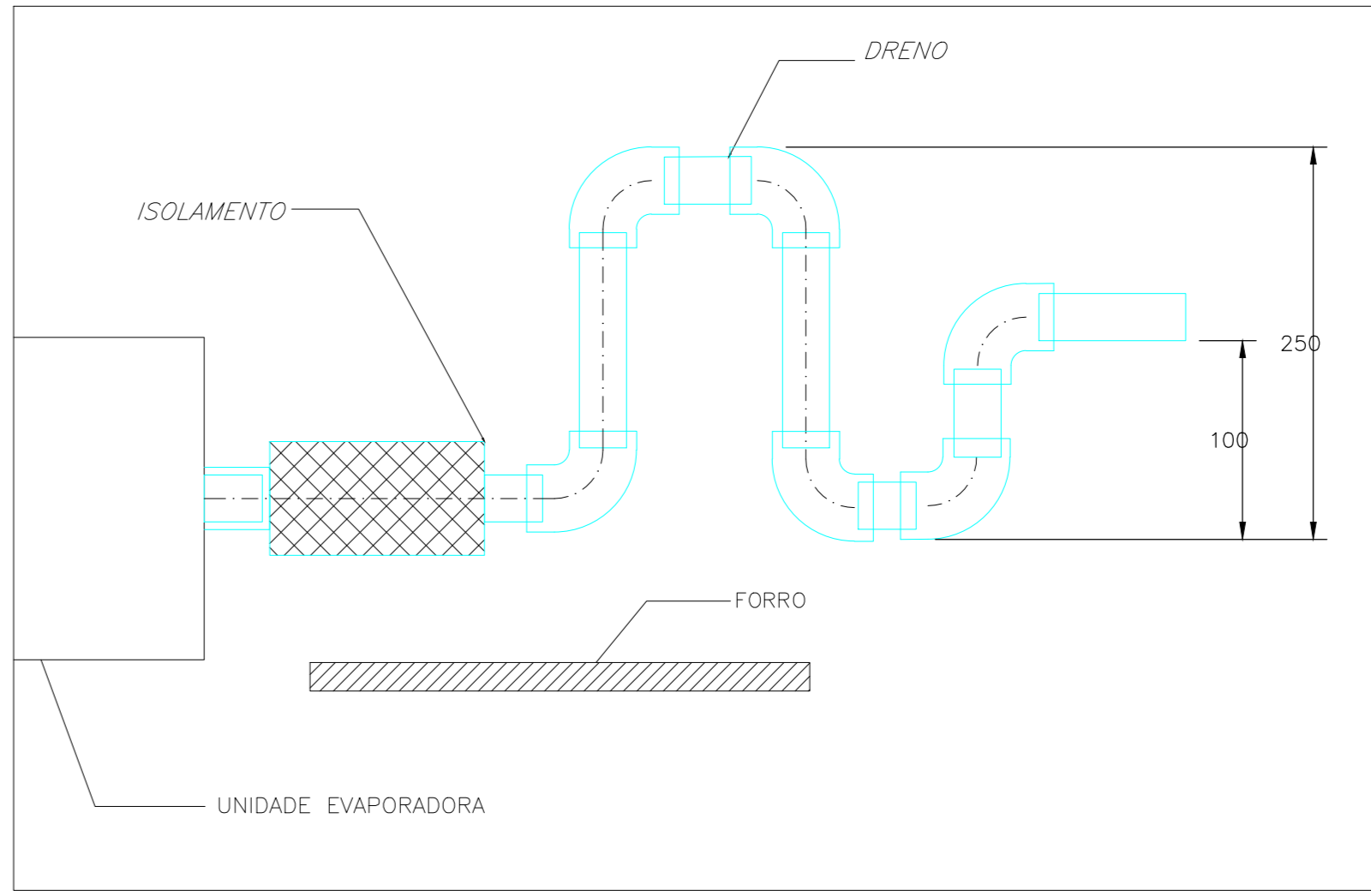
ESPAÇAMENTO ENTRE TUBOS (ISOLADOS-#19mm)			
DIÂMETRO	VÃO MÁX. HORIZ.	VÃO MÁX. VERT.	ENTRE TUBOS DN=1/2" A 1.5/8"
1/4" A 1/2"	1,2 m	1,8 m	150 mm
3/4" A 1.3/8"	1,8 m	2,4 m	150 mm
1.5/8" A 2"	2,2 m	2,4 m	170 mm



DET. MONT.TUBOS
Escala S/E



DETALHE ISOLAM.
Escala S/E



DET. DRENAGEM EVAPORADORAS
Escala S/E

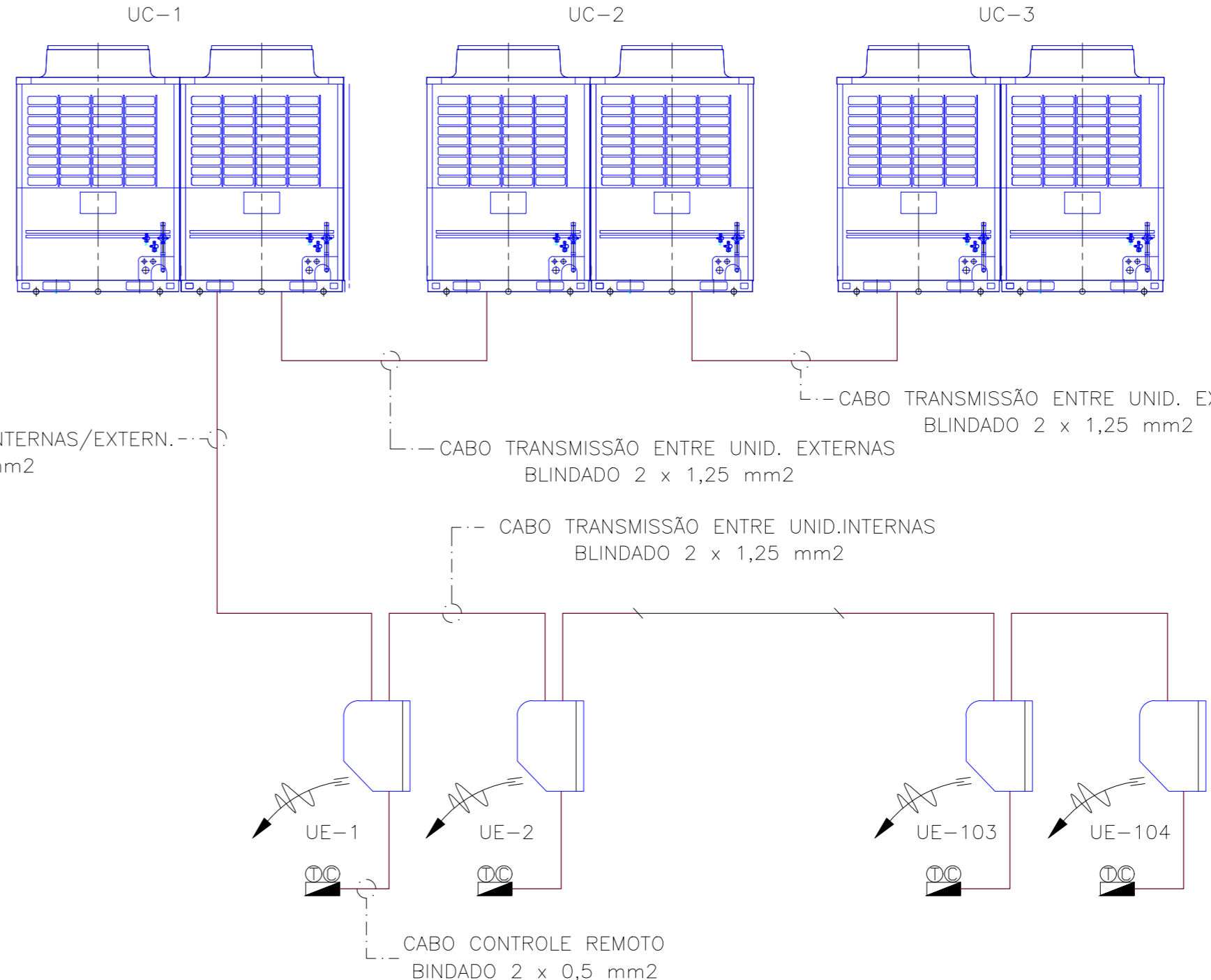
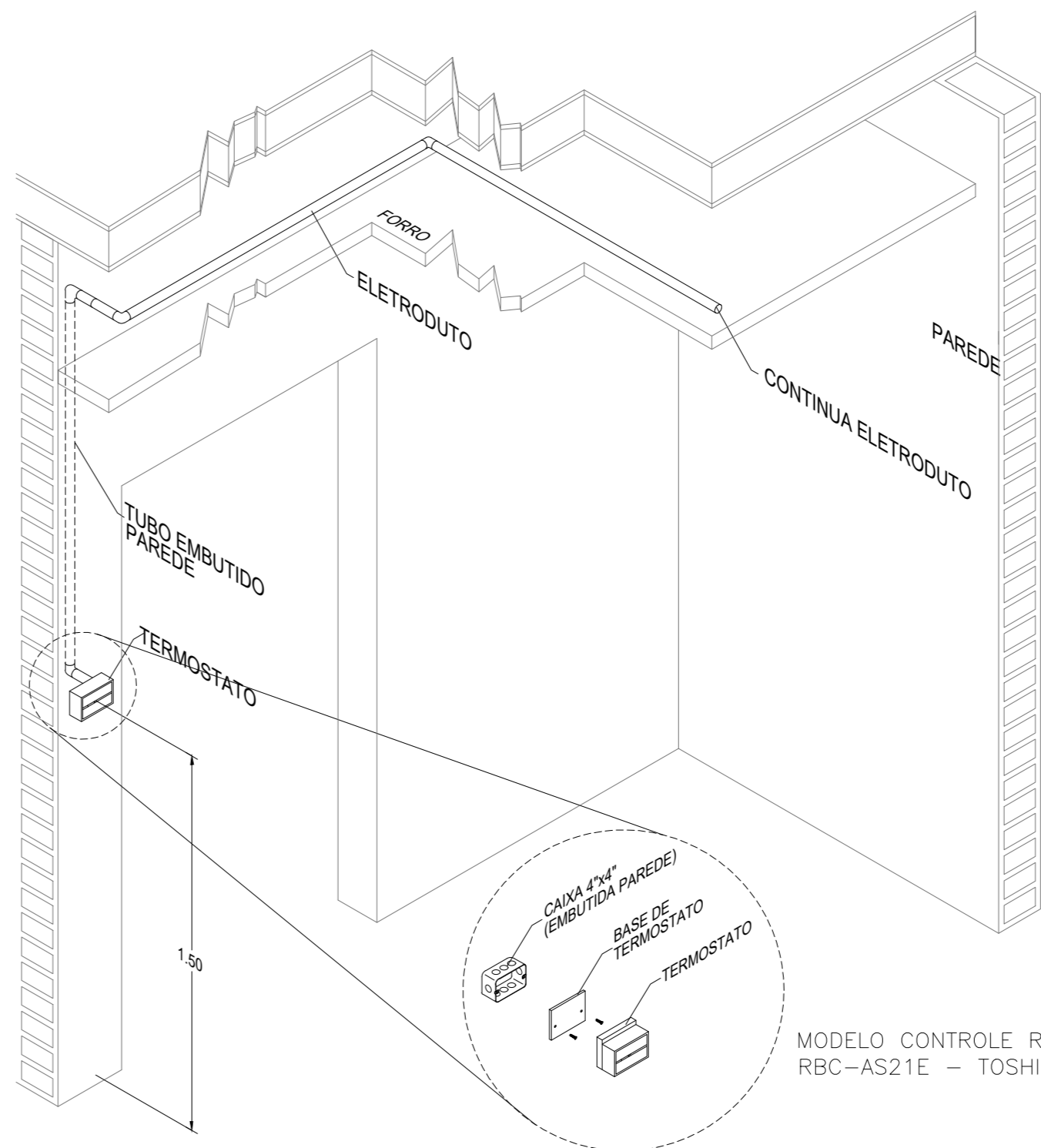


DIAGRAMA DE CONTROLE
Escala S/E



MONTAGEM TERMOSTATO
Escala S/E

SÍMBOLO	ESPECIFICAÇÃO
UE	UNIDADE EVAPORADORA
UC	UNIDADE CONDENSADORA
VEX	UNIDADE DE VENTILAÇÃO AR EXTERIOR
VEX	UNIDADE DE EXAUSTÃO
Q-AC	QUADRO ELÉTRICO DO AR CONDICIONADO
●	RAIO INDICADO Ø100 mm NO PROJETO HIDRO-SANITÁRIO
■	PONTO DE FORÇA
—	LINHAS PREDEFINIDAS (S.L.L.)
—	BRANCH / CONNECTOR - BVC
—	HEADER / DISTRIBUIDOR - RD
—	JUNTA TEE - TR
Q-AC	CONTROLE REMOTO (INSTALADO A 1,0 m DO PISO)
PI	PORTA DE INGRESSO (LATERAL, Ø400mm)

ESPECIFICAÇÃO REDES DE DUTOS					
APRESENTAÇÃO	ATENDIMENTO	ISOLAMENTO TÉRMICO	CLASSE DE PRESSÃO	CLASSE MÁXIMA DE TEMPERATURA	MATERIAL DO DUTO
INSULAMENTO	ESPOLA HIDRÓFUGA DE POLIURETANO	125	6	CHAPA DE AÇO INOX ABNT NBR 16401	
RETORNO	ESPOLA HIDRÓFUGA DE POLIURETANO	250	6	CHAPA DE AÇO INOX ABNT NBR 16401	
AR EXTERIOR	MANTA DE LÁ DE VIDRO OU ARMADUROS	125	17	CHAPA DE AÇO INOX ABNT NBR 16401	
EXAUSTÃO SANIT.	—	125	17	CHAPA DE AÇO INOX ABNT NBR 16401	
EXAUSTÃO HIGIEN.	—	125	17	CHAPA DE AÇO INOX ABNT NBR 16401	
INSUL. EXAUST.	MANTA DE LÁ DE VIDRO REVESTIDA COM ALUMÍNIO	125	17	DUTO CIRCULAR FLEXÍVEL EM ALUMÍNIO	

EQUIPAMENTOS		EQUIPAMENTOS				
UNID.	LOCALIZAÇÃO/USO	Área (m²)	CLASSE	TIPO DE EQUIPAMENTO	Capacidade (BTU/h)	Consumo (kWh)
UE-01	LABORATÓRIO	25,0	1,0	CASSETTE DE VRF	40000,0	0,300
UE-02	COF. 1	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-03	RECEPÇÃO	15,0	0,5	RE-ALL VRF	10000,0	0,100
UE-04	COF. 2	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-05	COF. 3	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-06	COF. 4	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-07	COF. 5	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-08	COF. 6	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-09	COF. 7	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-10	COF. 8	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-11	COF. 9	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-12	COF. 10	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-13	COF. 11	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-14	COF. 12	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-15	COF. 13	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-16	COF. 14	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-17	COF. 15	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-18	COF. 16	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-19	COF. 17	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-20	COF. 18	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-21	COF. 19	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-22	COF. 20	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-23	COF. 21	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-24	COF. 22	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-25	COF. 23	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-26	COF. 24	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-27	COF. 25	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-28	COF. 26	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-29	COF. 27	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-30	COF. 28	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-31	COF. 29	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-32	COF. 30	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-33	COF. 31	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-34	COF. 32	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-35	COF. 33	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-36	COF. 34	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-37	COF. 35	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-38	COF. 36	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-39	COF. 37	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-40	COF. 38	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-41	COF. 39	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-42	COF. 40	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-43	COF. 41	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-44	COF. 42	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-45	COF. 43	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-46	COF. 44	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-47	COF. 45	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-48	COF. 46	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-49	COF. 47	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-50	COF. 48	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-51	COF. 49	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-52	COF. 50	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-53	COF. 51	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-54	COF. 52	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-55	COF. 53	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-56	COF. 54	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-57	COF. 55	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-58	COF. 56	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-59	COF. 57	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-60	COF. 58	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-61	COF. 59	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-62	COF. 60	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-63	COF. 61	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-64	COF. 62	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-65	COF. 63	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-66	COF. 64	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-67	COF. 65	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-68	COF. 66	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-69	COF. 67	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-70	COF. 68	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-71	COF. 69	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-72	COF. 70	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-73	COF. 71	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-74	COF. 72	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-75	COF. 73	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-76	COF. 74	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-77	COF. 75	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-78	COF. 76	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-79	COF. 77	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-80	COF. 78	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-81	COF. 79	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-82	COF. 80	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-83	COF. 81	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-84	COF. 82	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-85	COF. 83	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-86	COF. 84	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-87	COF. 85	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-88	COF. 86	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-89	COF. 87	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-90	COF. 88	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-91	COF. 89	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-92	COF. 90	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-93	COF. 91	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-94	COF. 92	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-95	COF. 93	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-96	COF. 94	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-97	COF. 95	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-98	COF. 96	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-99	COF. 97	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-100	COF. 98	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-101	COF. 99	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-102	COF. 100	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-103	COF. 101	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-104	COF. 102	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-105	COF. 103	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-106	COF. 104	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-107	COF. 105	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-108	COF. 106	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-109	COF. 107	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-110	COF. 108	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-111	COF. 109	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-112	COF. 110	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-113	COF. 111	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-114	COF. 112	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-115	COF. 113	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-116	COF. 114	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-117	COF. 115	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-118	COF. 116	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-119	COF. 117	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-120	COF. 118	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-121	COF. 119	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-122	COF. 120	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-123	COF. 121	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-124	COF. 122	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-125	COF. 123	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-126	COF. 124	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-127	COF. 125	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-128	COF. 126	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-129	COF. 127	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-130	COF. 128	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-131	COF. 129	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-132	COF. 130	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-133	COF. 131	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-134	COF. 132	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-135	COF. 133	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-136	COF. 134	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-137	COF. 135	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-138	COF. 136	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-139	COF. 137	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-140	COF. 138	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-141	COF. 139	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-142	COF. 140	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-143	COF. 141	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-144	COF. 142	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-145	COF. 143	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-146	COF. 144	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-147	COF. 145	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-148	COF. 146	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-149	COF. 147	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-150	COF. 148	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-151	COF. 149	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-152	COF. 150	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-153	COF. 151	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-154	COF. 152	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-155	COF. 153	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-156	COF. 154	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-157	COF. 155	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-158	COF. 156	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-159	COF. 157	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-160	COF. 158	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-161	COF. 159	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-162	COF. 160	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-163	COF. 161	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-164	COF. 162	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-165	COF. 163	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-166	COF. 164	20,0	1,0	RE-ALL VRF	10000,0	0,100
UE-167	COF. 165	20,0	1,0			