FERENGE
Soluções em Estruturas Metálicas

LISTA POR PERFIL

NOME DO PROJETO:SEDE DO TCE — Page: 1

N° PROJETO: PR21-09-20-392- — Data: 30.11.2021

Nome: PR21-09-20-392-R02 — Hora 18:36:52

Material	Perfil	Quantidade	Comprimento (mm)	Área (m²)	Peso (kgf)	Acabam.
A572-GR.50	W250X32.7	4	3.861	4	128	
A572-GR.50	W250X32.7	2	3.457	4	114	
Total para:W250X32.7			**22.359**	**24**	**739**	
A572-GR.50	W250X17.9	1	5.301	5	96	
A572-GR.50	W250X17.9	1	5.238	5	95	
A572-GR.50	W250X17.9	7	4.774	4	87	
A572-GR.50	W250X17.9	13	3.888	3	71	
A572-GR.50	W250X17.9	1	3.721	3	67	
A572-GR.50	W250X17.9	2	3.559	3	65	
A572-GR.50	W250X17.9	4	2.920	3	53	
A572-GR.50	W250X17.9	2	2.857	3	52	
A572-GR.50	W250X17.9	2	2.846	3	52	
A572-GR.50	W250X17.9	2	2.838	2	51	
A572-GR.50	W250X17.9	1	2.393	2	43	
A572-GR.50	W250X17.9	1	2.225	2	40	
A572-GR.50	W250X17.9	1	2.129	2	39	
A572-GR.50	W250X17.9	1	2.111	2	38	
A572-GR.50	W250X17.9	2	1.947	2	35	
A572-GR.50	W250X17.9	4	1.828	2	33	
A572-GR.50	W250X17.9	2	1.825	2	33	
A572-GR.50	W250X17.9	1	1.349	1	24	
A572-GR.50	W250X17.9	2	1.153	1	21	
A572-GR.50	W250X17.9	2	1.152	1	21	
A572-GR.50	W250X17.9	1	1.118	1	20	
A572-GR.50	W250X17.9	1	1.085	1	20	
A572-GR.50	W250X17.9	1	1.052	1	19	
A572-GR.50	W250X17.9	2	944	1	17	
A572-GR.50	W250X17.9	13	936	1	17	
A572-GR.50	W250X17.9	1	927	1	17	
A572-GR.50	W250X17.9	3	926	1	17	
A572-GR.50	W250X17.9	2	768	1	14	
A572-GR.50	W250X17.9	16	607	1	11	
A572-GR.50	W250X17.9	1	575	1	10	
A572-GR.50	W250X17.9	1	559	0	10	
A572-GR.50	W250X17.9	1	546	0	10	
A572-GR.50	W250X17.9	1	535	0	10	
A572-GR.50	W250X17.9	3	532	0	10	
A572-GR.50	W250X17.9	1	529	0	10	
A572-GR.50	W250X17.9	1	447	0	8	
A572-GR.50	W250X17.9	1	440	0	8	
A572-GR.50	W250X17.9	4	426	0	8	
A572-GR.50	W250X17.9	2	399	0	7	
A572-GR.50	W250X17.9	2	200	0	4	
A572-GR.50	W250X17.9	2	65	0	1	
Total para:W250X17.9			**204.301**	**180**	**3.705**	
A572-GR.50	W150X22.5	1	14.839	13	338	
A572-GR.50	W150X22.5	1	14.814	13	337	
A572-GR.50	W150X22.5	2	11.391	10	259	
A572-GR.50	W150X22.5	1	11.127	10	253	
A572-GR.50	W150X22.5	1	11.102	10	253	
A572-GR.50	W150X22.5	1	10.837	10	247	
A572-GR.50	W150X22.5	1	3.923	3	89	
A572-GR.50	W150X22.5	1	3.539	3	81	
A572-GR.50	W150X22.5	1	2.727	2	62	
Total para:W150X22.5			**95.691**	**84**	**2.178**	
A572-GR.50	U50X25X2	1	1.549	0	2	
Total para:U50X25X2			**1.549**	**0**	**2**	
A572-GR.50	C150X60X20X2	3	5.320	3	25	
Total para:C150X60X20X2			**15.960**	**10**	**74**	
A572-42	DEG13	1	1.205	0	45	
A572-42	DEG13	6	1.000	0	38	
Total para:DEG13			**7.205**	**0**	**270**	
A572-42	DEG11	7	1.000	0	32	

A572-42	DEG11	1	998	0	32	
Total para:DEG11			**7.998**	**0**	**257**	
A572-42	DEG10	1	1.000	0	10	
Total para:DEG10			**1.000**	**0**	**10**	
A572-42	DEG8	1	1.000	0	35	
Total para:DEG8			**1.000**	**0**	**35**	
A572-42	DEG7	1	1.000	0	12	
Total para:DEG7			**1.000**	**0**	**12**	
A572-42	DEG5	1	1.000	0	38	
Total para:DEG5			**1.000**	**0**	**38**	
A572-42	DEG3	94	1.000	0	18	
Total para:DEG3			**94.000**	**0**	**1.656**	
A36	PL10X100	22	100	0	1	
Total para:PL10X100			**2.200**	**1**	**17**	
A36	L135X60X3.75	6	120	0	1	
Total para:L135X60X3.75			**720**	**0**	**4**	
A36	L102X7.9	6	140	0	2	
Total para:L102X7.9			**840**	**0**	**10**	
A36	L76X4.8	2	3.942	1	22	
A36	L76X4.8	2	3.364	1	18	
A36	L76X4.8	2	2.985	1	16	
A36	L76X4.8	2	2.600	1	14	
A36	L76X4.8	2	2.364	1	13	
A36	L76X4.8	2	2.228	1	12	
A36	L76X4.8	2	2.210	1	12	
A36	L76X4.8	2	1.949	1	11	
A36	L76X4.8	2	1.907	1	10	
A36	L76X4.8	2	1.872	1	10	
A36	L76X4.8	2	1.866	1	10	
A36	L76X4.8	2	1.854	1	10	
A36	L76X4.8	2	1.810	1	10	
A36	L76X4.8	2	1.757	1	10	
A36	L76X4.8	2	1.693	1	9	
A36	L76X4.8	2	1.570	0	9	
A36	L76X4.8	2	1.542	0	8	
A36	L76X4.8	2	1.439	0	8	
A36	L76X4.8	2	1.224	0	7	
A36	L76X4.8	2	1.132	0	6	
A36	L76X4.8	4	1.128	0	6	
A36	L76X4.8	2	1.095	0	6	
A36	L76X4.8	2	1.065	0	6	
A36	L76X4.8	2	1.018	0	6	
A36	L76X4.8	2	970	0	5	
A36	L76X4.8	2	939	0	5	
A36	L76X4.8	2	908	0	5	
A36	L76X4.8	2	900	0	5	
A36	L76X4.8	2	886	0	5	
A36	L76X4.8	2	877	0	5	
A36	L76X4.8	2	862	0	5	
A36	L76X4.8	2	841	0	5	
A36	L76X4.8	2	815	0	4	
A36	L76X4.8	2	809	0	4	
A36	L76X4.8	2	761	0	4	
Total para:L76X4.8			**112.618**	**34**	**619**	
A36	L44X3.2	4	1.100	0	2	
A36	L44X3.2	60	900	0	2	
Total para:L44X3.2			**58.400**	**10**	**124**	
A36	D12.7	2	2.663	0	2	
Total para:D12.7			**5.327**	**0**	**5**	
A36	CH19X350	2	550	0	29	
Total para:CH19X350			**1.100**	**1**	**57**	
A36	CH19X325	4	350	0	17	
A36	CH19X325	12	330	0	16	
A36	CH19X325	2	325	0	16	
Total para:CH19X325			**6.010**	**4**	**291**	
A36	CH19X305	2	325	0	15	
Total para:CH19X305			**650**	**0**	**30**	
A36	CH19X150	2	440	0	10	
Total para:CH19X150			**880**	**0**	**20**	
A36	CH13X410	4	556	0	20	
Total para:CH13X410			**2.224**	**2**	**82**	
A36	CH13X396	4	433	0	15	
Total para:CH13X396			**1.733**	**1**	**59**	

A36	CH13X395	2	425	0	14	
Total para:CH13X395			**850**	**1**	**29**	
A36	CH13X394	2	423	0	14	
Total para:CH13X394			**846**	**1**	**28**	
A36	CH13X250	1	300	0	7	
Total para:CH13X250			**300**	**0**	**7**	
A36	CH13X200	1	350	0	7	
Total para:CH13X200			**350**	**0**	**7**	
A36	CH13X150	8	440	0	7	
A36	CH13X150	1	200	0	3	
A36	CH13X150	8	160	0	2	
Total para:CH13X150			**5.000**	**2**	**75**	
A36	CH13X80	24	230	0	2	
Total para:CH13X80			**5.520**	**1**	**45**	
A36	CH10X325	1	330	0	8	
Total para:CH10X325			**330**	**0**	**8**	
A36	CH10X140	1	204	0	2	
A36	CH10X140	3	195	0	2	
A36	CH10X140	1	169	0	2	
A36	CH10X140	1	158	0	2	
A36	CH10X140	60	155	0	2	
Total para:CH10X140			**10.415**	**3**	**109**	
A36	CH8X221	4	221	0	3	
Total para:CH8X221			**884**	**0**	**12**	
A36	CH8X70	1	200	0	1	
A36	CH8X70	18	136	0	1	
Total para:CH8X70			**2.644**	**0**	**11**	
A36	CH8X60	1	240	0	1	
Total para:CH8X60			**240**	**0**	**1**	
A36	CH8X45	1	240	0	1	
Total para:CH8X45			**240**	**0**	**1**	
A36	CH6X331	2	362	0	5	
Total para:CH6X331			**724**	**0**	**10**	
A36	CH6X313	1	1.047	1	14	
Total para:CH6X313			**1.047**	**1**	**14**	
A36	CH6X312	1	1.040	1	14	
Total para:CH6X312			**1.040**	**1**	**14**	
A36	CH6X310	2	1.019	1	13	
Total para:CH6X310			**2.038**	**1**	**27**	
A36	CH6X304	1	919	0	12	
Total para:CH6X304			**919**	**0**	**12**	
A36	CH6X290	2	816	0	10	
Total para:CH6X290			**1.632**	**1**	**19**	
A36	CH6X267	1	156	0	2	
Total para:CH6X267			**156**	**0**	**2**	
A36	CH6X246	1	461	0	5	
Total para:CH6X246			**461**	**0**	**5**	
A36	CH6X241	1	436	0	4	
A36	CH6X241	1	160	0	1	
Total para:CH6X241			**596**	**0**	**5**	
A36	CH6X235	2	427	0	4	
Total para:CH6X235			**854**	**0**	**8**	
A36	CH6X232	1	424	0	4	
Total para:CH6X232			**424**	**0**	**4**	
A36	CH6X231	1	423	0	4	
Total para:CH6X231			**423**	**0**	**4**	
A36	CH6X217	1	414	0	3	
Total para:CH6X217			**414**	**0**	**3**	
A36	CH6X197	1	153	0	1	
Total para:CH6X197			**153**	**0**	**1**	
A36	CH6X183	1	408	0	3	
Total para:CH6X183			**408**	**0**	**3**	
A36	CH6X166	1	231	0	2	
A36	CH6X166	1	175	0	1	
Total para:CH6X166			**406**	**0**	**3**	
A36	CH6X161	1	234	0	1	
A36	CH6X161	1	232	0	1	
A36	CH6X161	3	228	0	1	
A36	CH6X161	2	225	0	1	
A36	CH6X161	1	223	0	1	
Total para:CH6X161			**1.824**	**0**	**9**	
A36	CH6X160	2	247	0	1	
A36	CH6X160	1	239	0	1	

A36	CH6X160	1	219	0	1	
A36	CH6X160	1	218	0	1	
Total para:CH6X160			**1.169**	**0**	**6**	
A36	CH6X159	2	213	0	1	
Total para:CH6X159			**426**	**0**	**2**	
A36	CH6X158	1	260	0	1	
A36	CH6X158	1	259	0	1	
A36	CH6X158	1	248	0	2	
A36	CH6X158	1	171	0	1	
Total para:CH6X158			**939**	**0**	**5**	
A36	CH6X157	1	206	0	1	
Total para:CH6X157			**206**	**0**	**1**	
A36	CH6X156	1	269	0	1	
Total para:CH6X156			**269**	**0**	**1**	
A36	CH6X155	1	275	0	1	
A36	CH6X155	1	272	0	1	
A36	CH6X155	1	201	0	1	
Total para:CH6X155			**748**	**0**	**3**	
A36	CH6X154	1	278	0	1	
A36	CH6X154	1	276	0	1	
A36	CH6X154	2	199	0	1	
A36	CH6X154	1	198	0	1	
Total para:CH6X154			**1.152**	**0**	**5**	
A36	CH6X153	1	284	0	1	
A36	CH6X153	1	282	0	1	
A36	CH6X153	1	197	0	1	
Total para:CH6X153			**763**	**0**	**3**	
A36	CH6X152	1	285	0	1	
A36	CH6X152	1	196	0	1	
A36	CH6X152	1	195	0	1	
Total para:CH6X152			**676**	**0**	**3**	
A36	CH6X151	1	251	0	2	
A36	CH6X151	1	212	0	1	
A36	CH6X151	1	194	0	1	
Total para:CH6X151			**658**	**0**	**4**	
A36	CH6X150	1	256	0	2	
A36	CH6X150	1	193	0	1	
Total para:CH6X150			**449**	**0**	**3**	
A36	CH6X147	1	398	0	2	
Total para:CH6X147			**398**	**0**	**2**	
A36	CH6X145	2	324	0	1	
A36	CH6X145	1	187	0	1	
Total para:CH6X145			**834**	**0**	**3**	
A36	CH6X140	2	173	0	1	
A36	CH6X140	4	85	0	1	
Total para:CH6X140			**686**	**0**	**5**	
A36	CH6X119	1	389	0	2	
Total para:CH6X119			**389**	**0**	**2**	
A36	CH6X98	1	381	0	2	
Total para:CH6X98			**381**	**0**	**2**	
A36	CH6X86	1	378	0	2	
Total para:CH6X86			**378**	**0**	**2**	
A36	CH6X45	4	274	0	1	
A36	CH6X45	28	240	0	1	
Total para:CH6X45			**7.827**	**1**	**17**	
A36	CH5X140	2	50	0	0	
Total para:CH5X140			**100**	**0**	**1**	
A36	CH5X91	2	101	0	0	
Total para:CH5X91			**202**	**0**	**1**	
A36	CH5X86	2	148	0	0	
Total para:CH5X86			**295**	**0**	**1**	
A36	CH5X45	4	272	0	0	
A36	CH5X45	4	240	0	0	
Total para:CH5X45			**2.049**	**0**	**3**	
A36	CH4X50	4	187	0	0	
Total para:CH4X50			**749**	**0**	**1**	
A36	CH3X184	1	42	0	0	
Total para:CH3X184			**42**	**0**	**0**	
A36	CH3X43	7	992	0	1	
A36	CH3X43	9	968	0	1	
A36	CH3X43	2	916	0	1	
A36	CH3X43	1	834	0	1	
A36	CH3X43	1	821	0	1	

A36	CH3X43	3	810	0	1	
A36	CH3X43	2	290	0	0	
A36	CH3X43	2	230	0	0	
A36	CH3X43	1	192	0	0	
A36	CH3X43	2	177	0	0	
A36	CH3X43	1	173	0	0	
A36	CH3X43	2	158	0	0	
Total para:CH3X43			**23.658**	**2**	**23**	
A36	CH3X42	2	1.016	0	1	
A36	CH3X42	1	831	0	1	
A36	CH3X42	188	316	0	0	
A36	CH3X42	2	198	0	0	
A36	CH3X42	1	173	0	0	
A36	CH3X42	3	161	0	0	
A36	CH3X42	4	158	0	0	
Total para:CH3X42			**64.004**	**6**	**61**	
A36	CH3X40	3	46	0	0	
Total para:CH3X40			**139**	**0**	**0**	
A36	CH3X18	3	18	0	0	
Total para:CH3X18			**53**	**0**	**0**	
A36	BL6X86	78	100	0	0	
Total para:BL6X86			**7.800**	**2**	**34**	
A36	BARRA.RED.19	8	759	0	2	
A36	BARRA.RED.19	16	685	0	1	
Total para:BARRA.RED.19			**17.040**	**1**	**37**	
A36	BARRA.RED.16	8	325	0	0	
A36	BARRA.RED.16	32	250	0	0	
A36	BARRA.RED.16	32	200	0	0	
Total para:BARRA.RED.16			**17.000**	**1**	**25**	
Peso total (kgf): 11027 kg						