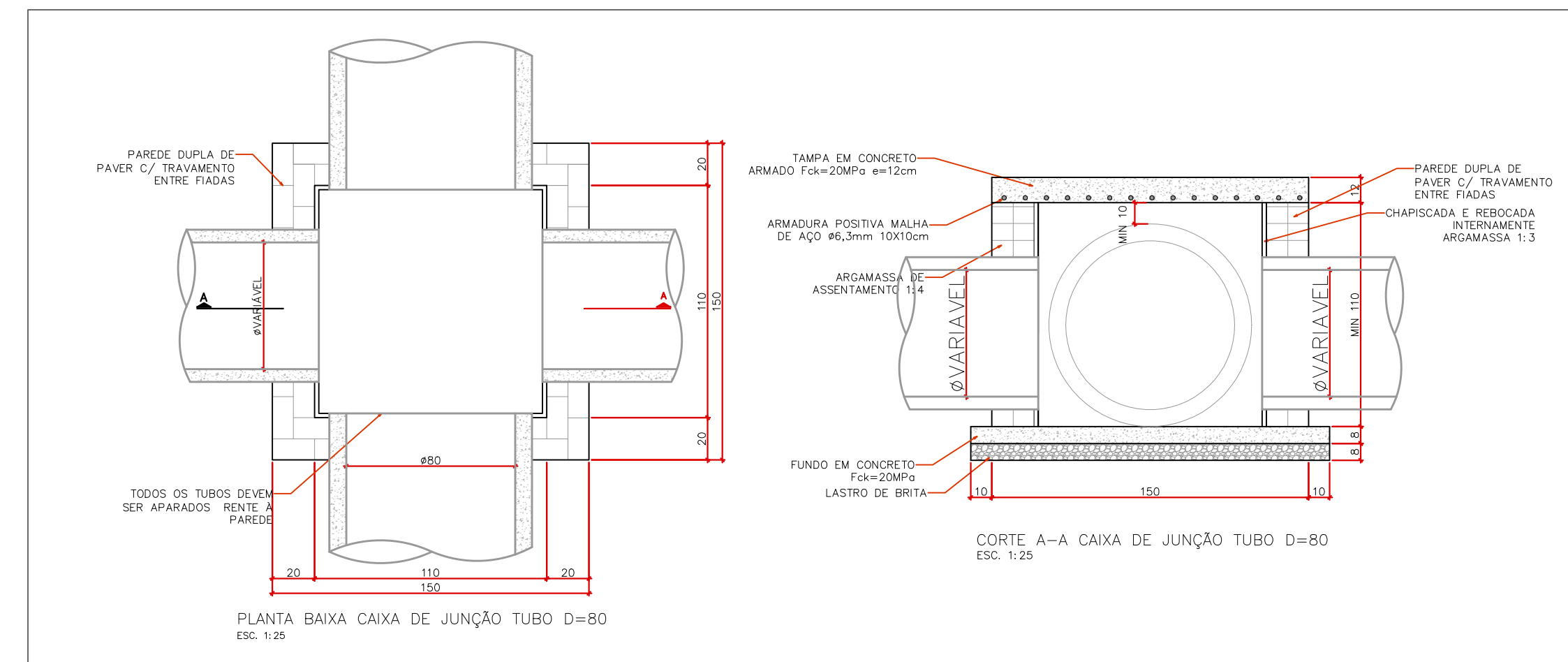
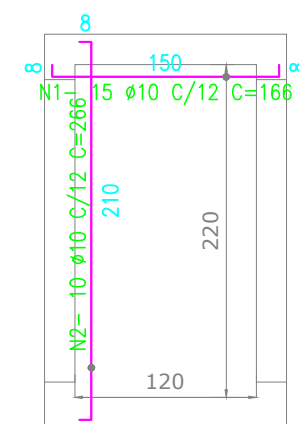
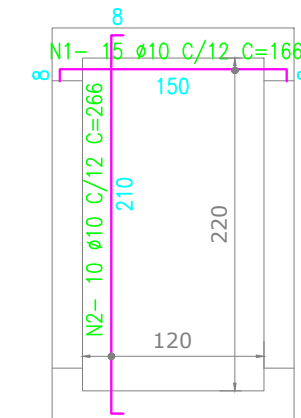




Item	Descrição	Espessura
01	REVESTIMENTO EM CBUQ	5 cm
02	BRITA GRADUADA SIMPLES	17 cm
03	REATERRO COM BICA CORRIDA	VAR
04	BERÇO DE BRITA Nº 2	15 cm
05	CALÇADA EM CONCRETO SIMPLES	8 cm
06	CAMADA DE BRITA Nº 2	5 cm
07	BERÇO DE BRITA Nº 2 PARA CAIXA	10 cm

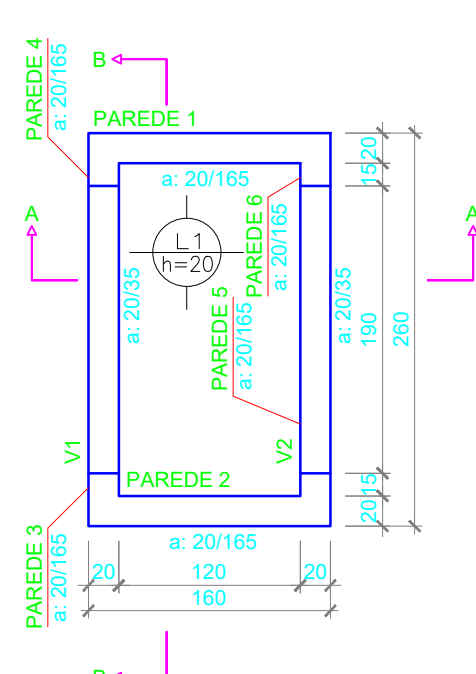


LAJE DO FUNDO - ARMADURA INFERIOR

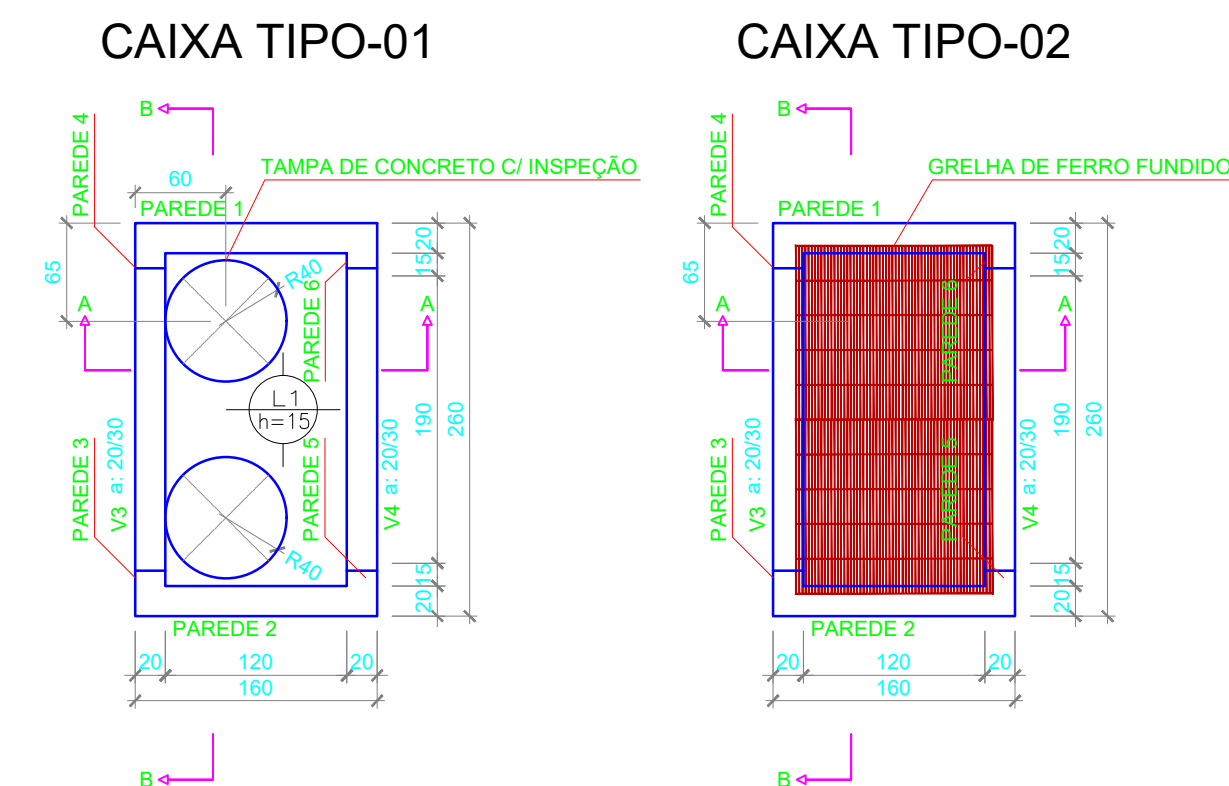


8
LAJE DO FUNDO - ARMADURA SUPERIOR

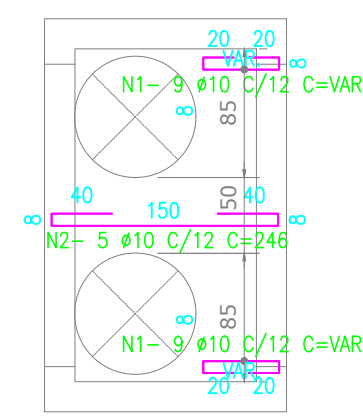
TABELA DE QUANTAS					
TIPO	POS.	INT.	QUANT.	C.IMP.	C.FEIO
LAJE DO FUNDO – ARMADURA INFERIOR (1 X)					
CA-SOA	1	10	18	366	3154
CA-SOA	2	10	10	266	2063
LAJE DO FUNDO – ARMADURA SUPERIOR (1 X)					
CA-SOA	1	10	18	366	3154
CA-SOA	2	10	10	266	2063
LAJE DA TAMPA – ARMADURA LONGITUDINAL (1 X)					
CA-SOA	1	10	14	VAR.	VAR.
CA-SOA	2	10	3	246	1233
LAJE DA TAMPA – ARMADURA TRANSVERSAL (1 X)					
CA-SOA	1	10	2	VAR.	VAR.
CA-SOA	2	10	3	276	1125
REFORÇO – ARMADURA (1 X)					
CA-SOA	1	10	4	355	1212
R E S U M O D O Q U A N T I F I C A D O					
PESO CA-SOA # 10			1930 m		117,2kg
PESO TELA CA-SOA					117,2kg
P E S O T O T A L =					234,4kg
VC = 1,454435			2,520kg		



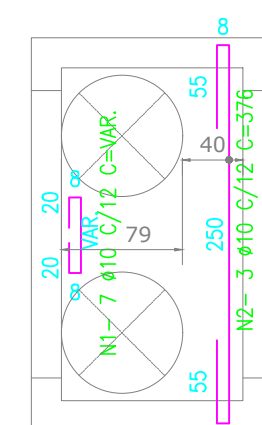
PLANTA DE FORMA - FUNDO



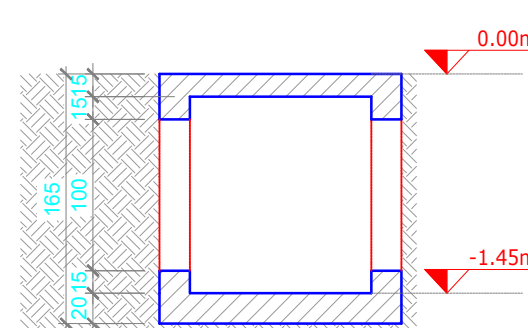
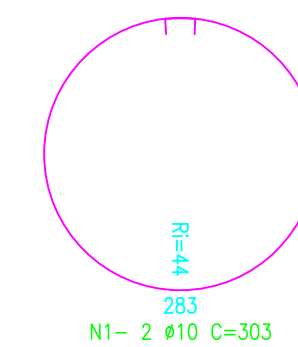
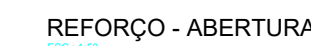
PLANTA DE FORMA - TAMPA



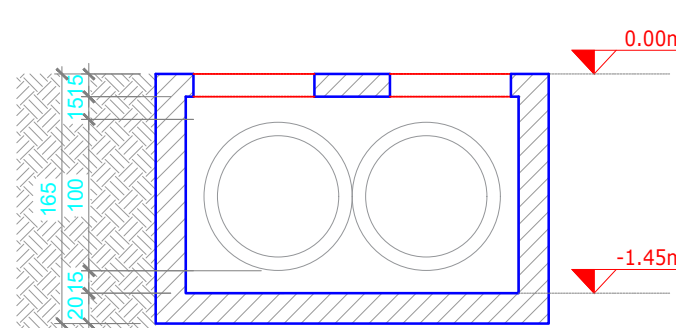
LAJE DA TAMPA - ARMADURA TRANSVERSAL



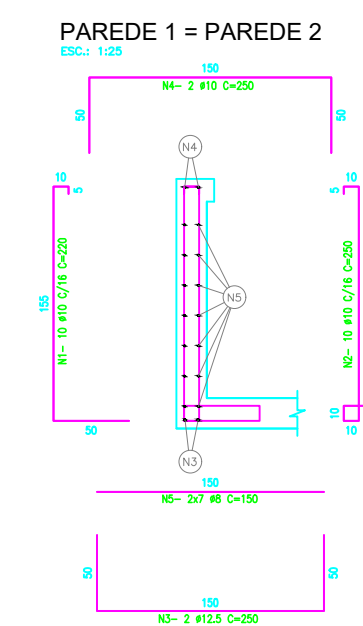
LAJE DA TAMPA - ARMADURA LONGITUDINAL



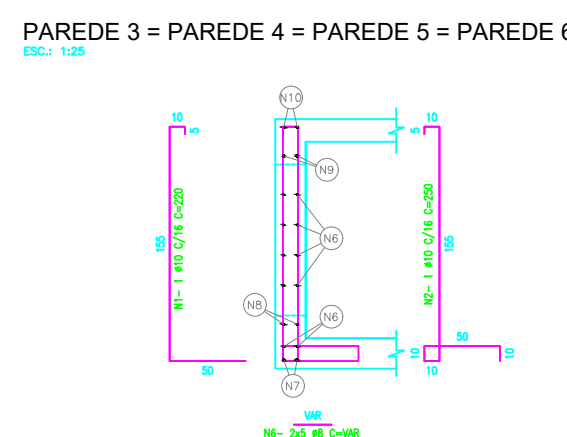
CORTE A-A
ESC.: 1:50



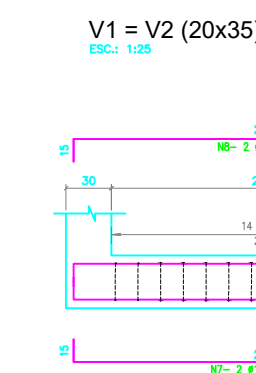
CORTE B-B
ESC.: 1:50



V3 = V4 (20x30)



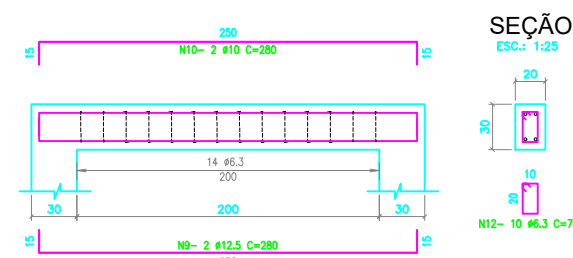
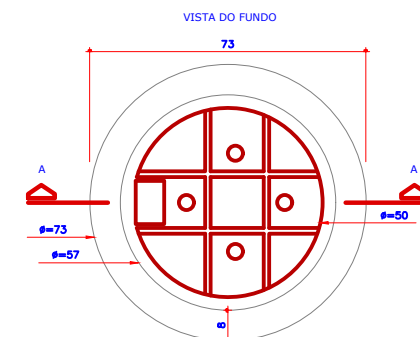
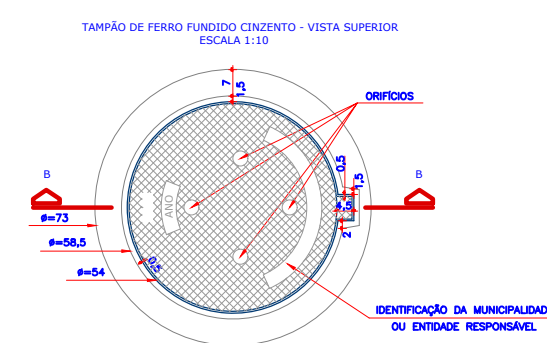
REFORÇO - ENCONTRO DAS PAREDES (4x)



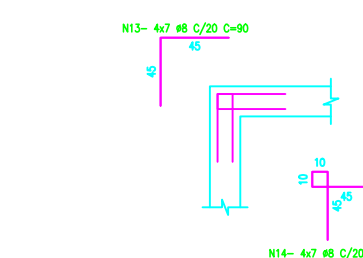
SEÇAC

Resumo Total			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	43.12	10.6
	8.0	175.8	69.4
	10.0	328.3	202.5
	12.5	34.8	33.5
PESO TOTAL (kg)			
CA50	316.0		

Volume de concreto = 3.24 m³
Área de forma = 24.32 m²



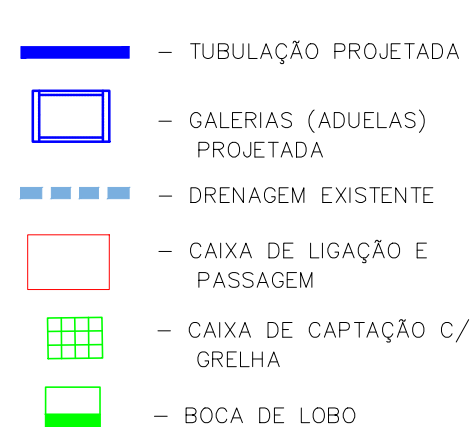
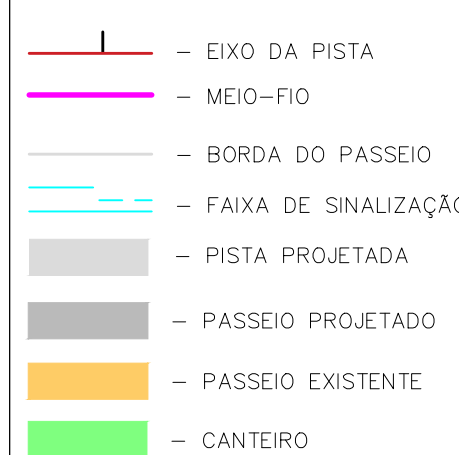
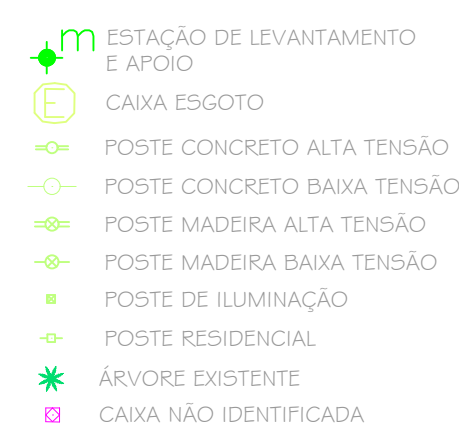
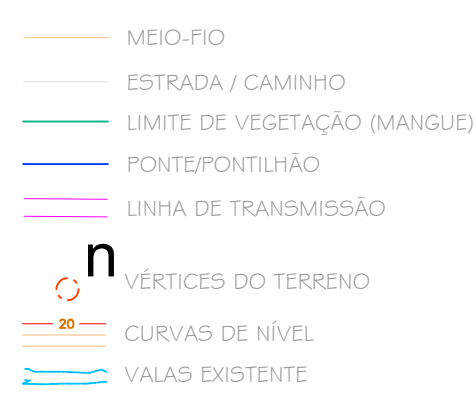
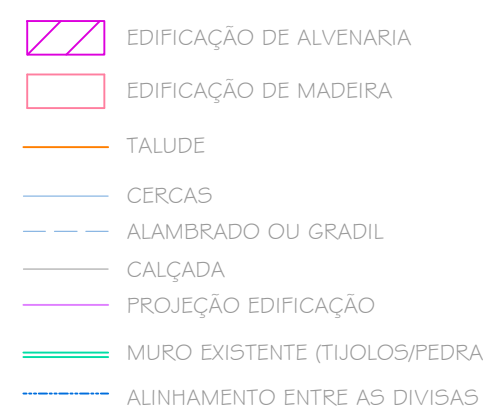
SEÇÃO



M13- 4x7 #8 C/20 C=90

TABELA DE FÓRMULAS					
TIPO FGA	GRU. QUÍM.	GRU. QUÍM.	CASAL	CASAL	C/L (nº)
PRÉDE 1 = PRÉDE 2 (2 R)					
Os-5Aa	1	10	10	220	220
Os-5Ab	1	10	10	220	220
Os-5Ac	3	12,5	2	310	270
Os-5Ad	10	10	10	220	220
Os-5Ae	5	8	3	140	294
PRÉDE 3 = PRÉDE 4 = PRÉDE 5 (2 R)					
Os-5Aa	1	11	11	250	227
Os-5Ab	2	10	1	250	25
Os-5Ac	1	10	1	250	25
VI = V (DODG) (2 R)					
Os-5Aa	7	12,5	2	280	50
Os-5Ab	1	10	1	280	50
Os-5Ac	11	8,3	4	82	114
VI = VI (DODG) (2 R)					
Os-5Aa	9	12,5	2	280	50
Os-5Ab	1	10	1	280	50
Os-5Ac	12	8,3	4	72	100
RETOQ (1) - EXCORTO DAS PRÉDES (Nº 1) (2 R)					
Os-5Aa	1	10	10	220	220
Os-5Ab	14	8	38	110	338
RESUMO DO AÇO					
PRÉDE 1 - OS-5Aa		64,3	63,12	10,8	10,8
PRÉDE 2 - OS-5Aa		68	17,58	0,8	0,8
PRÉDE 3 - OS-5Aa		68	18,8	0,8	0,8
PRÉDE 4 - OS-5Aa		12,5	34,8	5,8	5,8
PRÉDE 5 - TOTAL CASAL		34,8	183,96	183,96	183,96
PESO TOTAL = 188,96					
10 kg = 20 MPa					

 ESTADO DE SANTA CATARINA
 PREFEITURA MUNICIPAL DE PALHOÇA
 SECRETARIA DE INFRAESTRUTURA E SANEAMENTO



PROJETO:	TRANSPOSIÇÃO DE CANAL DE MACRODRENAGEM NA RUA DOMINGOS DE SOUZA FILHO, BAIRRO FURADINHO, PALHOÇA/SC.			
OBRA:	AMPLIAÇÃO DE GALERIAS CIRCULARES DE CONCRETO			
ENDEREÇO:	RUA DOMINGOS DE SOUZA FILHO - BAIRRO FURADINHO			
RESPONSÁVEL TÉCNICO PROJETO:			PREFEITURA MUNICIPAL DA PALHOÇA CNPJ 02.990.235/0001-08	
CONTÉUDO:	SEÇÃO TRANSVERSAL E DETALHES DE CAIXAS			
DATA: Maio/2026	EXTENSÃO: 8,00 m	ESCALA: Indicada	DESENHO: Dpto. técnico	PRANCHA: 02/02