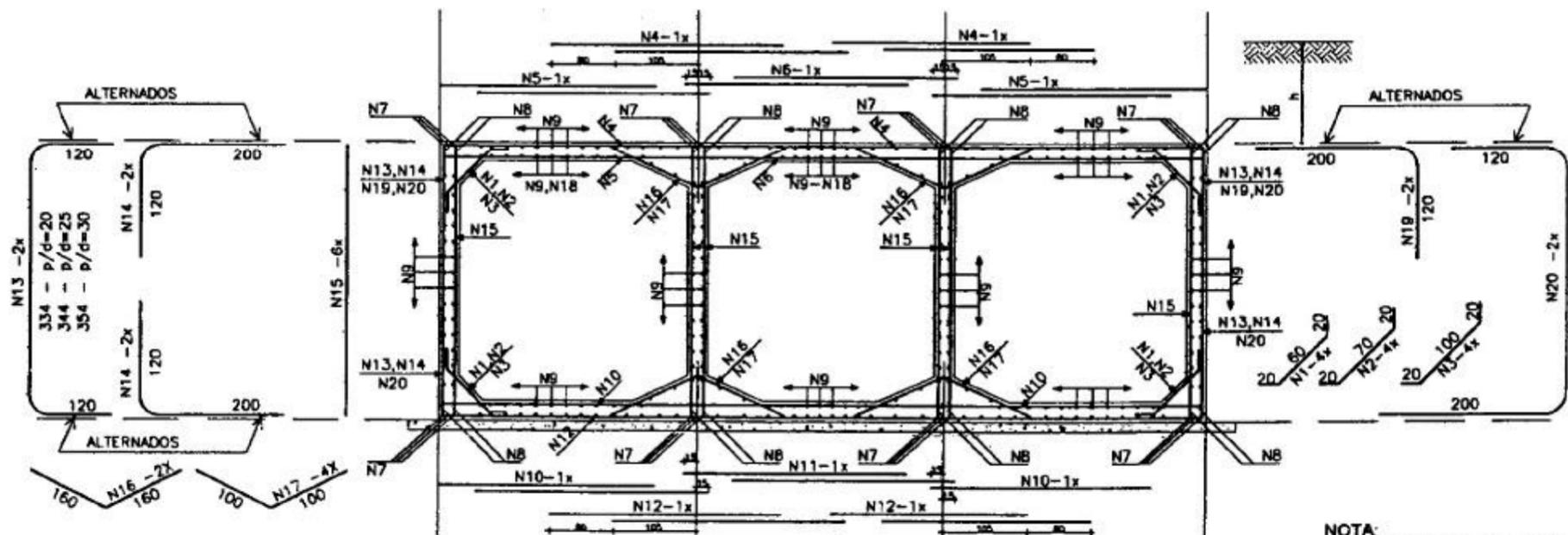


### TABELA DE ARMADURAS (POR METRO DE GALERIA)

0 ≤ h ≤ 100					100 ≤ h ≤ 250					250 ≤ h ≤ 500					500 ≤ h ≤ 750					750 ≤ h ≤ 1000					1000 ≤ h ≤ 1250					1250 ≤ h ≤ 1500									
f <sub>s</sub> ≥ 0,20 MPa					f <sub>s</sub> ≥ 0,15 MPa					f <sub>s</sub> ≥ 0,15 MPa					f <sub>s</sub> > 0,20 MPa					f <sub>s</sub> ≥ 0,25 MPa					f <sub>s</sub> ≥ 0,29 MPa					f <sub>s</sub> ≥ 0,34 MPa									
N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.	N	Ø	Q	COMP	ESP.
1					1					1					1					1					1					1									
2	8,0	20	110	c/20	2	6,3	20	110	c/20	2	6,3	20	110	c/20	2	8,0	20	110	c/20	2					2					2									
3					3					3					3	8,0	16	140	c/30	3	8,0	16	140	c/30	3	8,0	16	140	c/30	3	8,0	16	140	c/30					
4	16,0	12	290	c/15	4	12,5	10	290	c/13	4	12,5	14	290	c/13	4	16,0	12	290	c/15	4	12,5	20	290	c/10	4	16,0	16	290	c/12	4	20,0	12	290	c/16					
5	16,0	16	300	c/12	5	12,5	12	290	c/12	5	12,5	16	300	c/12	5	16,0	16	300	c/12	5	16,0	18	300	c/11	5	20,0	14	300	c/14	5	20,0	16	300	c/12					
6	12,5	9	280	c/11	6	10,0	10	280	c/10	6	10,0	10	280	c/10	6	12,5	9	280	c/11	6	12,5	9	280	c/11	6	16,0	7	280	c/14	6	16,0	9	280	c/11					
7	16,0	24	CORR		7	12,5	24	CORR		7	12,5	24	CORR		7	16,0	24	CORR		7	16,0	24	CORR		7	20,0	24	CORR		7	20,0	24	CORR						
8					8					8					8					8					8					8									
9	8,0	220	CORR	c/25	9	6,3	280	CORR	c/20	9	6,3	280	CORR	c/20	9	8,0	220	CORR	c/25	9	8,0	220	CORR	c/25	9	8,0	220	CORR	c/25	9	8,0	220	CORR	c/25					
10	16,0	12	300	c/15	10	12,5	16	300	c/12	10	16,0	12	300	c/15	10	16,0	12	300	c/15	10	16,0	16	300	c/12	10	20,0	12	300	c/15	10	20,0	14	300	c/13					
11	12,5	9	280	c/11	11	10,0	10	280	c/10	11	10,0	10	280	c/10	11	12,5	9	280	c/11	11	12,5	10	280	c/10	11	16,0	8	280	c/12	11	16,0	10	280	c/10					
12	16,0	12	290	c/15	12	12,5	14	290	c/14	12	12,5	14	290	c/14	12	16,0	12	290	c/15	12	12,5	20	290	c/10	12	16,0	14	290	c/13	12	20,0	12	290	c/16					
13	12,5	8	584	c/24	13	10,0	8	584	c/24	13	10,0	8	584	c/24	13	12,5	8	584	c/24	13	12,5	8	594	c/24	13	16,0	6	594	c/36	13	16,0	8	594	c/28					
14	12,5	16	320	c/24	14	10,0	16	320	c/24	14	10,0	16	320	c/24	14	12,5	16	320	c/24	14	12,5	16	320	c/26	14	16,0	12	320	c/36	14	16,0	16	320	c/28					
15	8,0	36	345	c/15	15	10,0	24	345	c/25	15	10,0	24	345	c/25	15	8,0	36	345	c/15	15	8,0	36	355	c/15	15	8,0	36	355	c/15	15	8,0	36	355	c/15					
16					16					16					16	8,0	16	320	c/30	16	8,0	16	320	c/30	16	8,0	16	320	c/30	16	8,0	16	320	c/30					
17	8,0	20	200	c/20	17	6,3	20	200	c/20	17	6,3	20	200	c/20	17	8,0	20	200	c/20	17					17					17									
RESUMO					RESUMO					RESUMO					RESUMO					RESUMO					RESUMO					RESUMO									
Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)	Ø	Kg/m	PESO(Kg)				
8,0	0,393	169	6,3	0,252	94	6,3	0,252	94	8,0	0,393	169	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175	8,0	0,393	175				
12,5	0,988	147	10,0	0,624	148	10,0	0,624	148	12,5	0,988	147	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265	12,5	0,988	265				
16,0	1,570	283	12,5	0,988	201	12,5	0,988	201	16,0	1,570	283	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202	16,0	1,570	202				
TOTAL = 599,0 Kg					TOTAL = 443,0 Kg					TOTAL = 443,0 Kg					TOTAL = 599,0 Kg					TOTAL = 642,0 Kg					TOTAL = 753,0 Kg					TOTAL = 876,0 Kg									

### SEÇÃO TRANSVERSAL



NOTA:  
1)- VER NOTAS E COMPLEMENTOS DESTA, NA FOLHA N 173

0		Emissão inicial - Minuta do Projeto Executivo		19/10/06	NK	CM
Revisão	Descrição			Data	Aprov.	Aut.
Aprovação	ECOPLAN	Autorização		ECOPLAN		
Elaboração:	CEHAB	Revisão		CEHAB		
Luciano Santarém	Jorge M. Basler	0		Referência Ecoplan:		



S.D.U.	COMPANHIA ESTADUAL DE HABITAÇÃO E OBRAS	CEHAB
ESCALAS:	Ferrovia: Transnordestina Trecho : Parnamirim - Araripina (112,6 km) Lote : 3	
DATA:	PROJETO DE DRENAGEM	FOLHA/TOTAL
OUT/06	Bueiros Triplôs Celulares de Concreto Armadura de Corpo - 3,00x3,00	D-82