

CARACTERISTICILE UNEI ARIPI A2 PREFABICATE
CHARACTERISTICS OF THE A2 WING PREFAB ELEMENT

1	Volum de beton/Concrete volume	2.32m ³
2	Otel S355/S235 Steel	297.00kg
3	Otel S235/S235 Steel	11.00kg
4	Cofraje/Shuttering	23.50m ²
5	Greutate/Weight	5.80tf

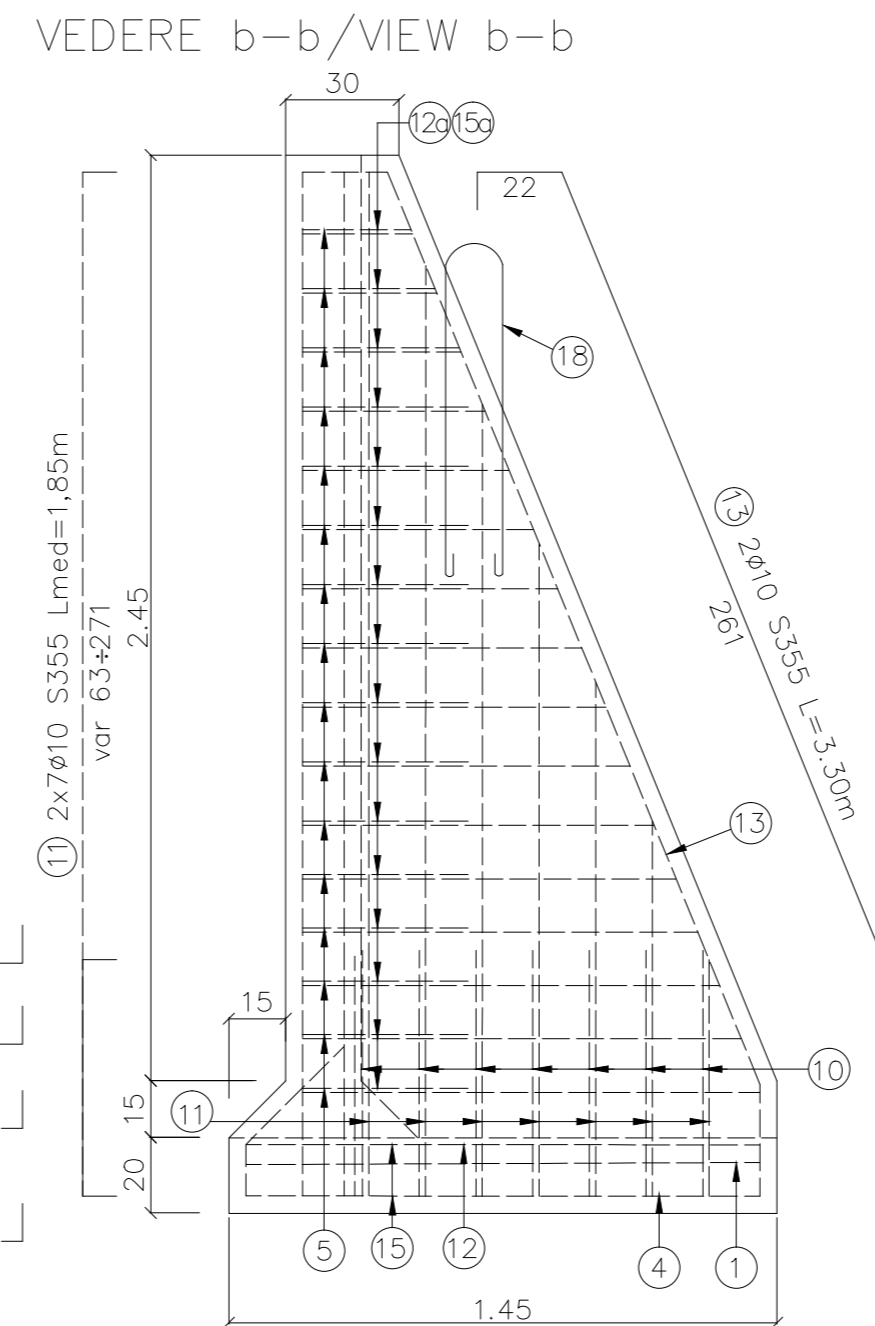
ATENȚIE!
- Prezentul plan conține planul de cofraj pentru aripa A2 stanga.
- Pentru perechea ei din dreapta se vor pastra aceleasi dimensiuni, cofrajul fiind orientat invers (văzut in oglinda)
- A se vedea schita din fig. 1.

ATTENTION!
- This plan contains the shuttering plan for the wing A2, left side.
- for its pair on the right side the same dimensions shall be kept as the shuttering is placed like in a mirror (reverse oriented).
See scheme in fig. 1

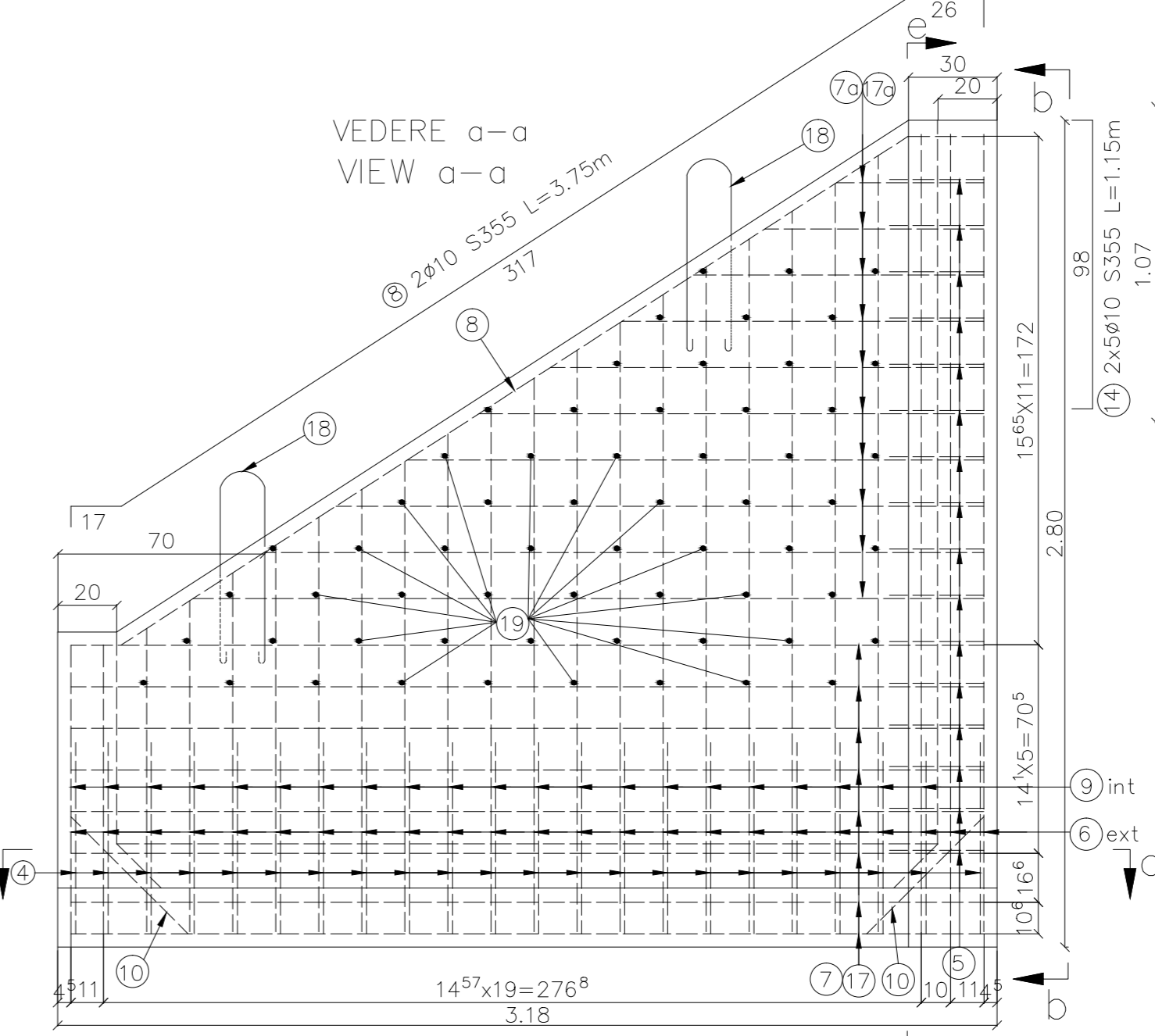
EXTRASUL ARMATURII PENTRU O ARIPI PREFABICATA
REINFORCING BARS FOR THEN PREFAB

- (12) 1ø10 S355 L=1.50m
- (13) 136
- (15) 2ø10 S355 L=1.50m
- (16) 136
- (12a) var 29+121
- (12b) 16ø10 S355 Lmed=0.90m
- (15a) var 29+121
- (15b) 16ø10 S355 Lmed=0.90m

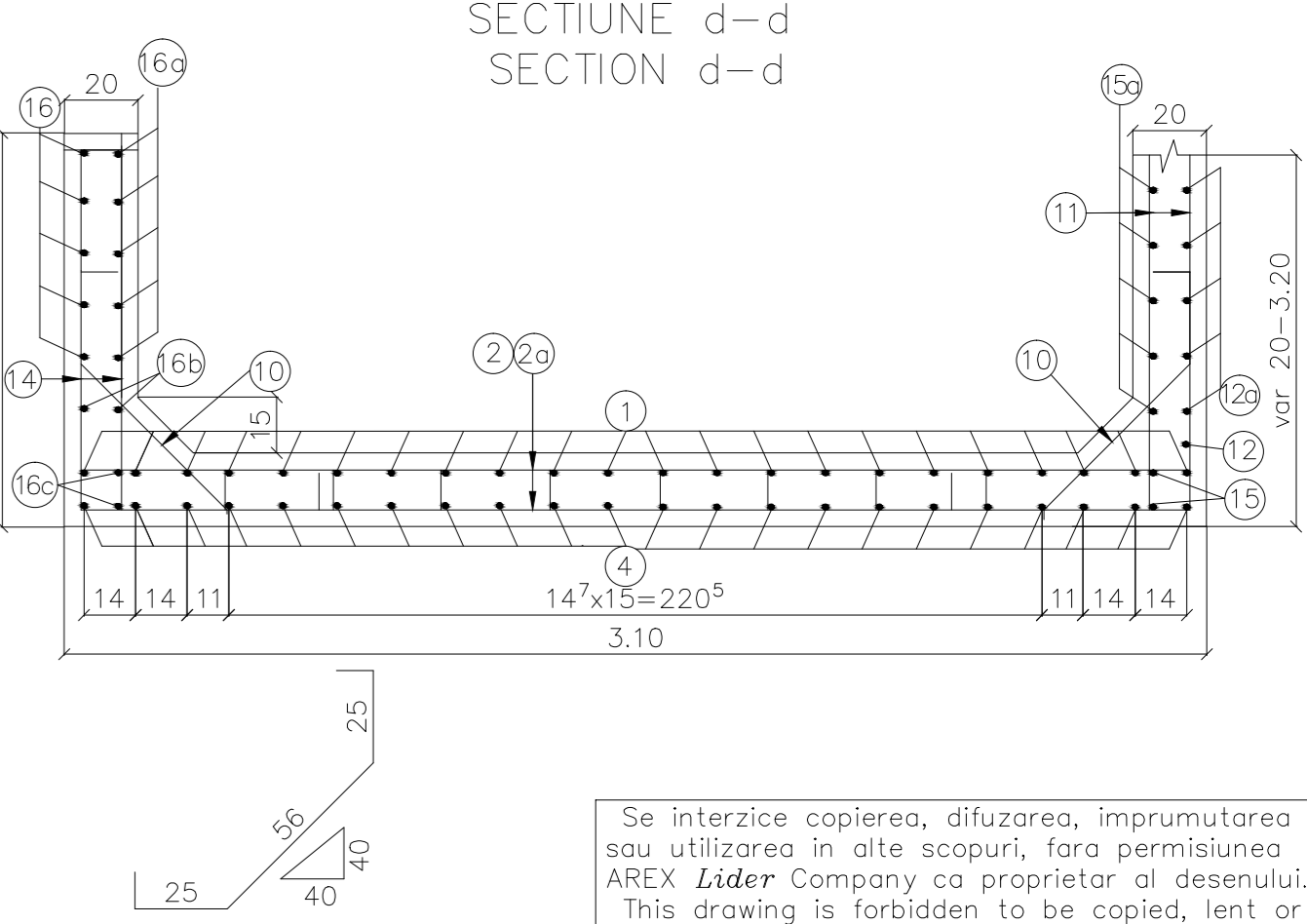
VEDERE b-b / VIEW b-b



VEDERE a-a / VIEW a-a



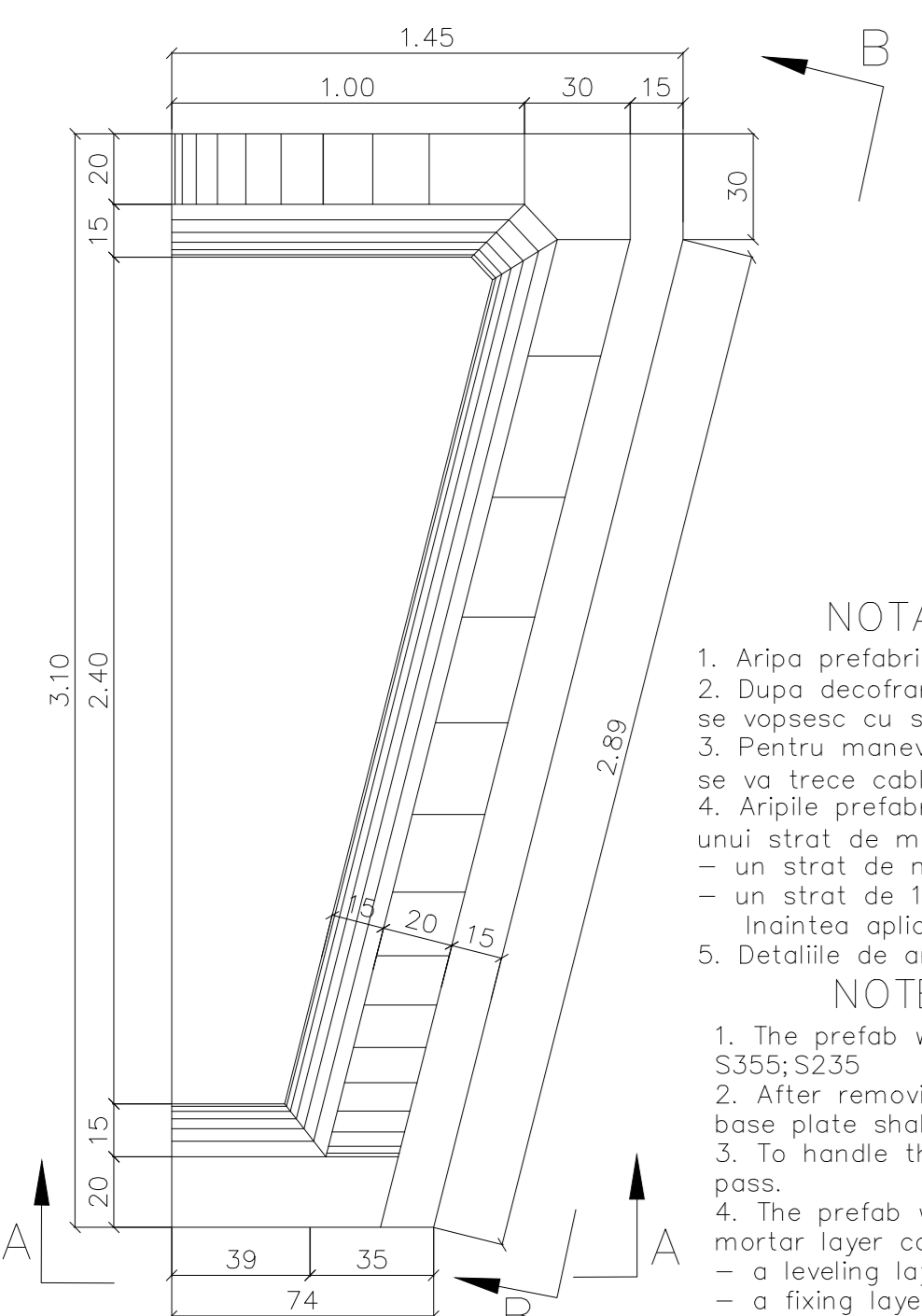
SECTIUNE d-d / SECTION d-d



(10) 29 ø10 S355 l=1.20m

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PLAN ARIPI A2 STANGA/PLAN: WING A2 - LEFT



CLASA DE PRECIZIE/CLASS PRECISION = 7
CONFORM/ACCORDING SR EN 13369-89

CLASA DE DURABILITATE/CLASS DURABILITY:D32/45a(XC4+XF3+XA1)
ACOPERIRE/COVERAGE: 4 cm S4(XC4+XF3+XA1) pentru o durata de viata de 50 ani/for a life duration of 50 years
OTEL BETON/CONCRETE STEEL -S355;S235
BETON /CONCRETE - C 35/45

LEGENDA BETOANELOR/CONCRETE LEGEND

Beton armat element prefabricat
Reinforcement concrete precast element
C 35/45 - CEM II/A-S 32.5 - (XC4+XF3+XA1)
A/C=0.50 - Dmax 22 - Cl 0.20

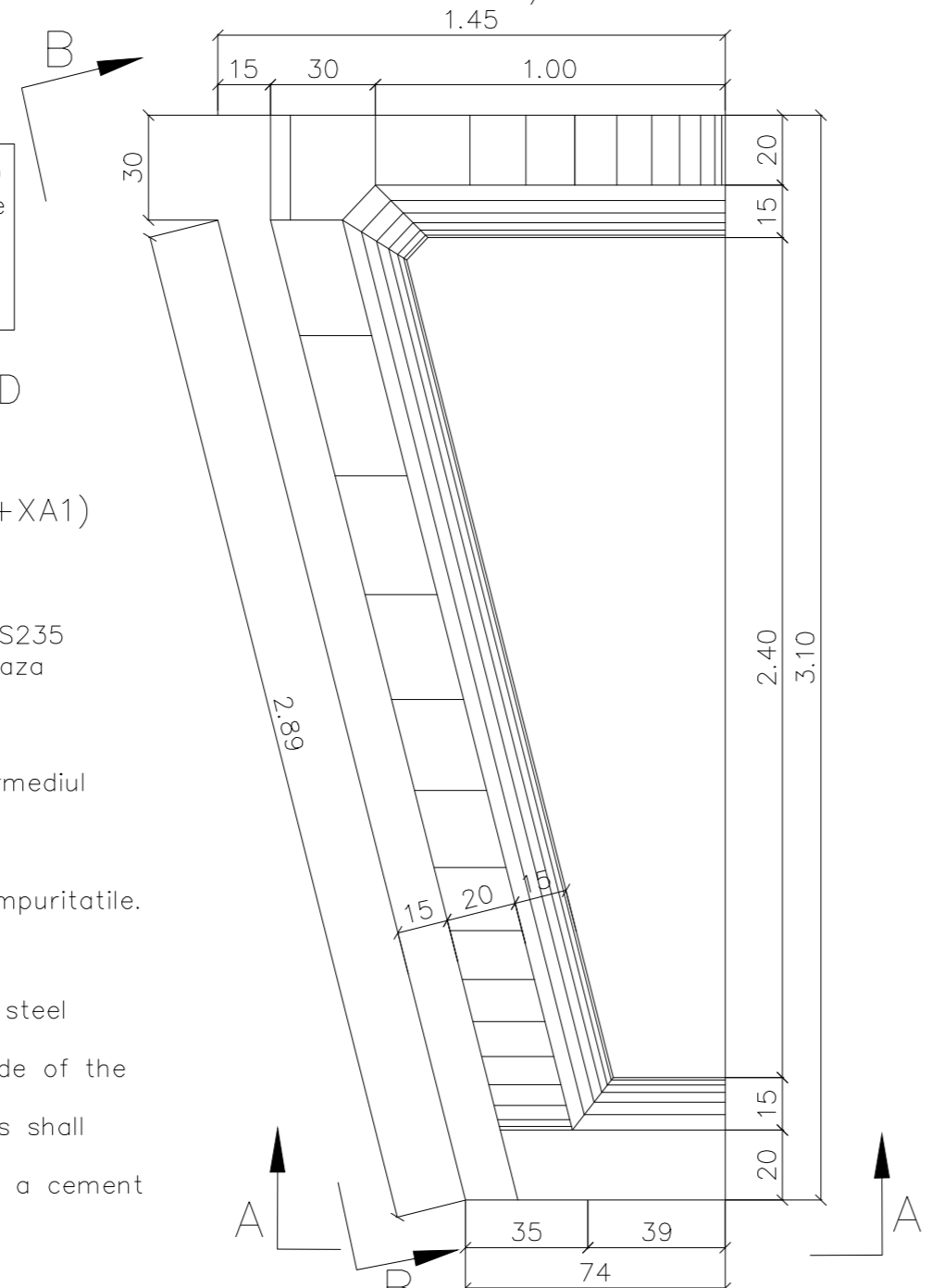
NOTA

- Aripa prefabricata se va confectiona din beton marca C 35/45 si otel S355;S235. Dupa decofrare, fetele interioare ale peretilor si fata superioara a placii de baza se vopsesc cu suspensie de bitum filerizat in dublu strat.
- Pentru manevrarea aripii se vor folosi numai ancorele din S235 prin care se va trece cablul macaralei.
- Aripile prefabricate se vor amplasa pe blocurile de fundatie monolit prin intermediul unui strat de mortar de ciment care va fi alcatuit din:
 - un strat de nivelare de 2 cm.
 - un strat de 1 cm.de fixare pe blocul monolit
- Inaintea aplicarii mortarului, suprafata blocului se va curata bine, de toate impuritatile.
- Detaliile de armare ale aripii prefabricate sunt cuprinse in planul de armare.

NOTE

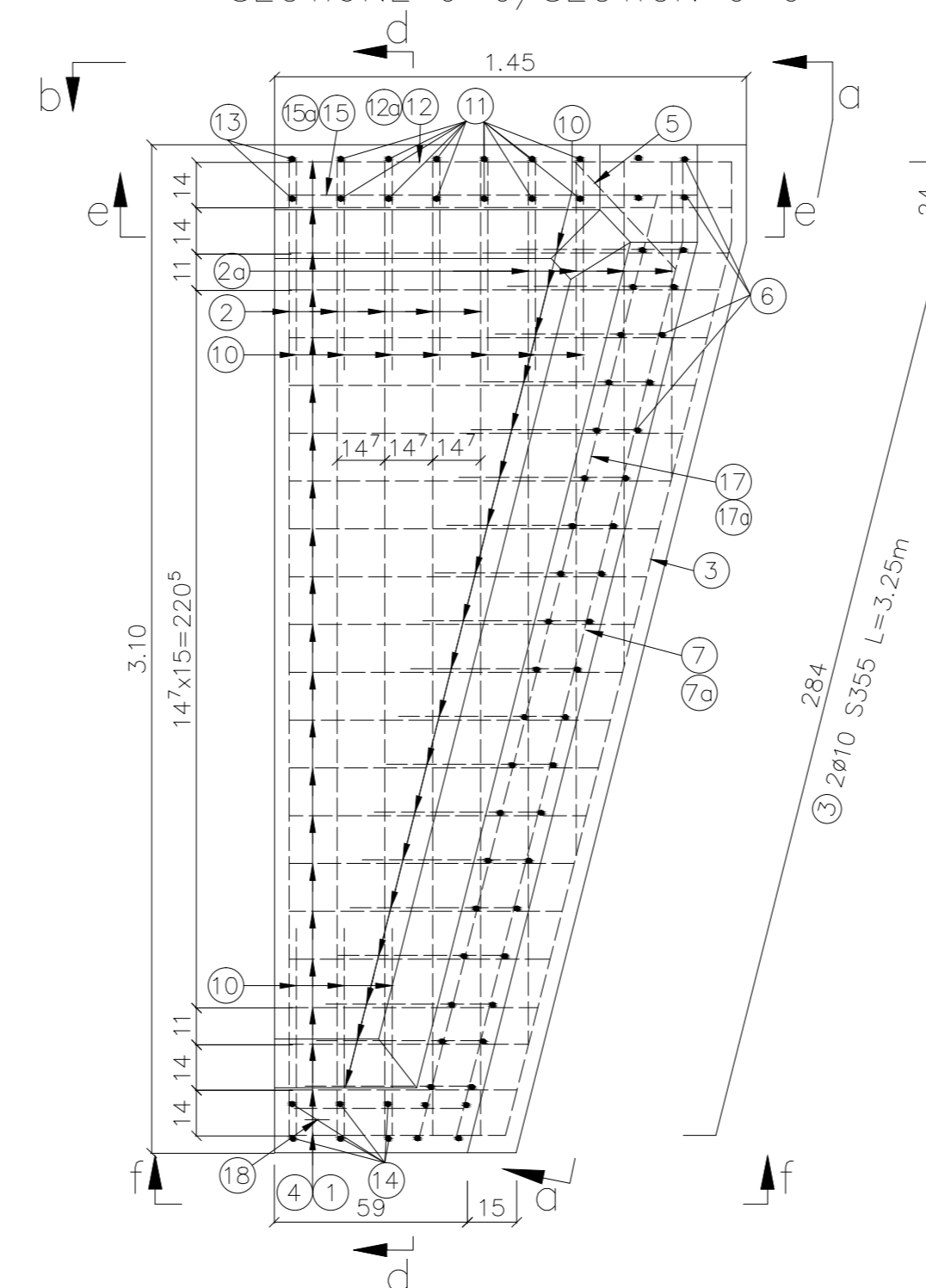
- The prefab wing shall be manufactured out of concrete class C 35/45 and steel S355;S235
- After removing the shutters, the inside faces of the walls and the upper side of the base plate shall be painted with a double-layered filler bitumen suspension.
- To handle the wing only S235 anchors shall be used where the crane cables shall pass.
- The prefab wings shall be placed on the cast in place foundation blocks on a cement mortar layer consisting of:
 - a leveling layer, 2 cm thick.
 - a fixing layer on the cast in place block, 1 cm thick;
- Before applying the mortar, the block surface shall be cleaned.
- The reinforcing details of the prefab wings are shown in the reinforcing plan.

PLAN ARIPI A2 DREAPTA/PLAN: WING A2 - RIGHT

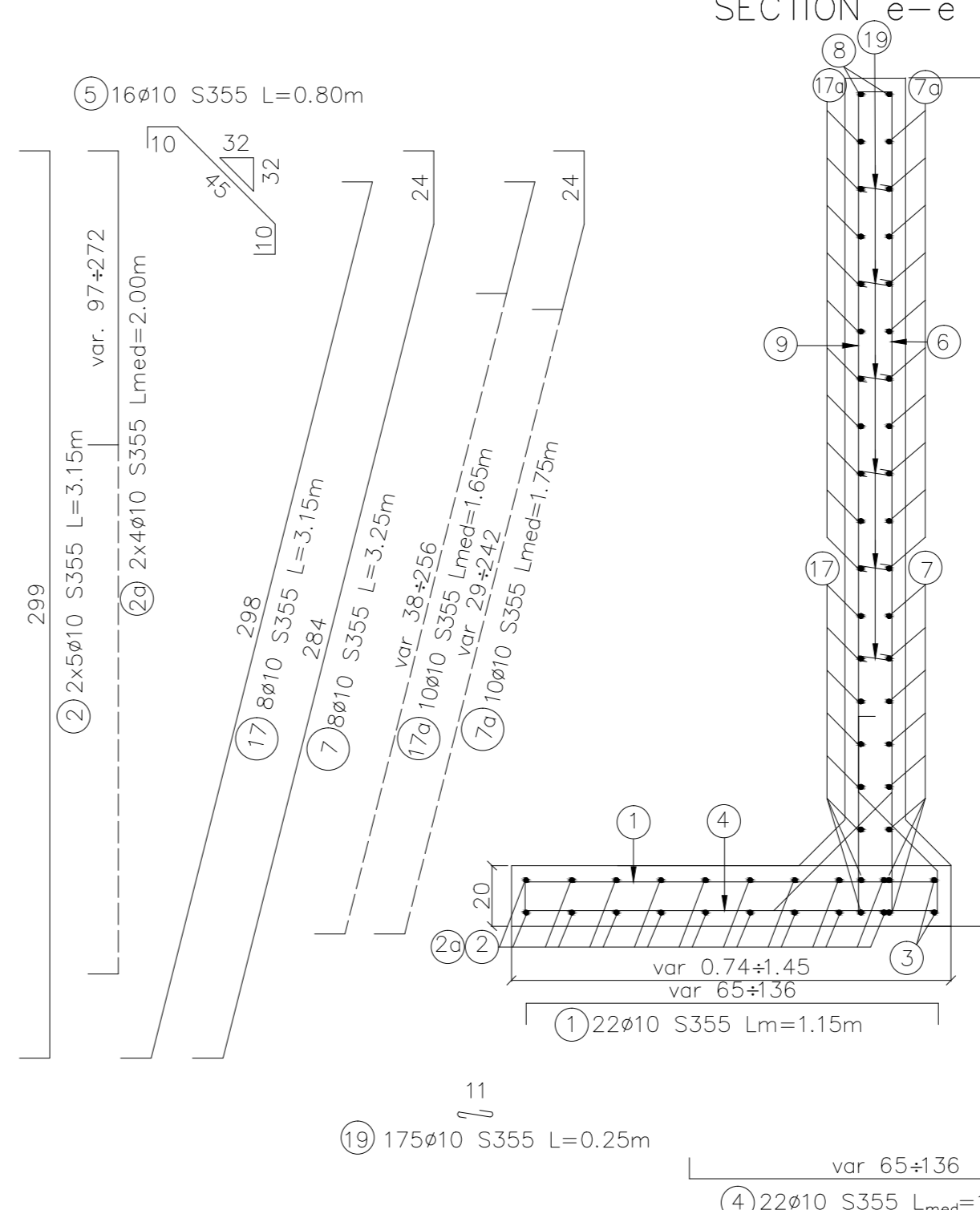


Marca	Ø (mm)	Buc. aseme. Similar pcs.	Lung. buc. Leht pcs.	Lungimi/diametru Leht/diameter Ø10 Ø16
1	10	22	1.15	25.30
2	10	10	3.15	31.50
2a	10	8	2.00	16.00
3	10	2	3.25	6.50
4	10	22	1.90	41.80
5	10	16	0.80	12.80
6	10	23	2.00	46.00
7	10	8	3.25	26.00
7a	10	10	1.75	17.50
8	10	2	3.75	7.50
9	10	21	2.00	42.00
10	10	29	1.20	34.80
11	10	14	1.85	25.90
12	10	1	1.50	1.50
12a	10	16	0.90	14.40
13	10	2	3.30	6.60
14	10	10	1.15	11.50
15	10	2	1.50	3.00
15a	10	16	0.90	14.40
16	10	5	0.65	3.25
16a	10	5	0.65	3.25
16b	10	2	0.70	1.40
16c	10	2	0.80	1.60
17	10	8	3.15	25.20
17a	10	10	1.65	16.50
18	16	4	1.70	6.80
19	10	175	0.25	43.75
Lungimi/diametru Leht/diameter				479.95 6.80
Greutate/metru Weight/meter				0.617 1.57
Greutate/diametru Weight/Diameter				297 11
TOTAL (kg)				308

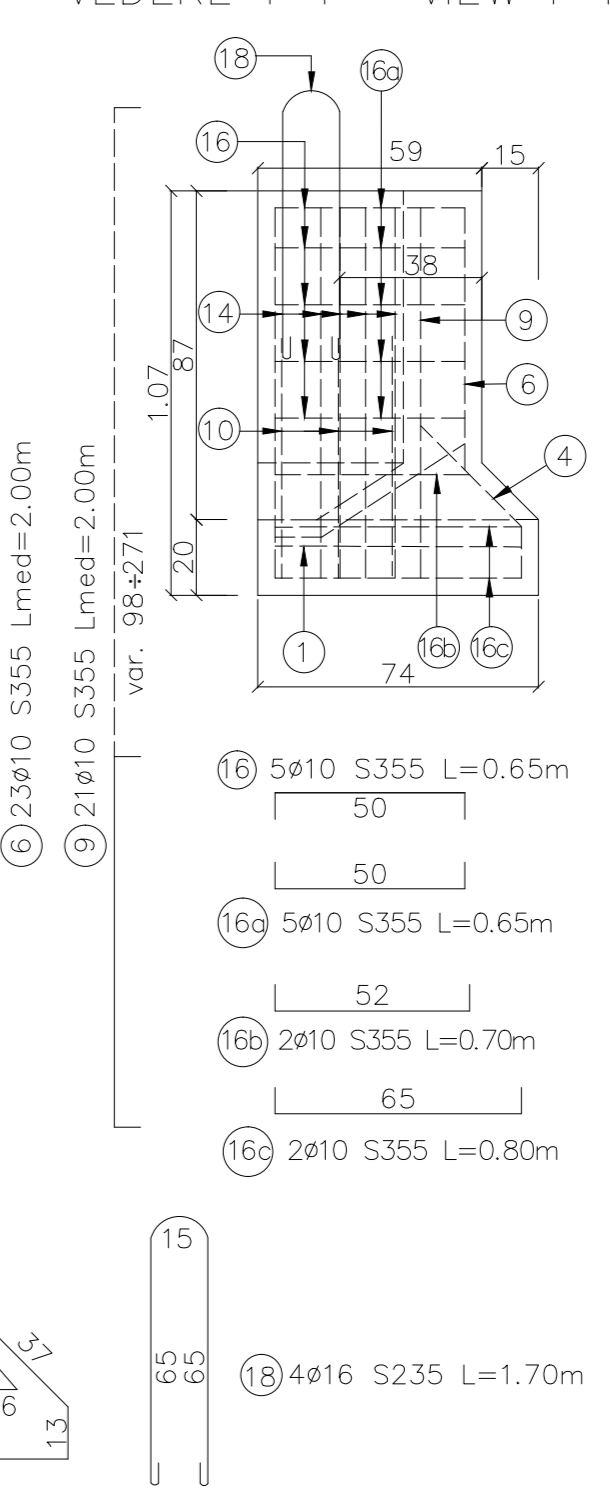
SECTIUNE c-c / SECTION c-c



SECTIUNE e-e / SECTION e-e



VEDERE f-f / VIEW f-f



D					
C					
B					
A	12.2011	Revizia 1	Carmen Balan		
Index	Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

GUVERNUL ROMANIEI ROMANIAN GOVERNMENT

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ EUROPEAN UNION FINANCED PROJECT

C.N.C.F. "C.F.R." - S.A.

CLIENT / CLIENT

ITALFER GRUPPO FERROVIE DELLO STATO Joint Venture leader

Scott Wilson

OBERMEYER PLANEN + BERATEN GmbH

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Aprobat Approved	Responsabil Subcontractant Subcontractant Responsible	A. Dinulescu Stanciu	11.2011
Elaborat Elaborated	Proiectant Designer	Carmen Balan	11.2011

Reabilitarea liniei de cale ferata c-a-1000 [] c-a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxim de 160 km/h, Tronsoanel : Brasov - Sighisoara

Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Brasov - Sighisoara

Proiect/Project 2004/RO16/PIA/003

Faza / Phase: PTh. / T.D.

Denumire desen / Drawing Title : PLAN COFRAJ SI ARMARE ARIPI PREFABICATA A2 - SHUTTERING AND REINFORCEMENT PLAN PRECAST WING A2

Scara / Scale 1:20	LOT / LOT	Nr. / No 01/01
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Codificare / Codification System

E A 5 1 0 1 E 0 0 B C P O 0 0 0 0 0 1 3 1