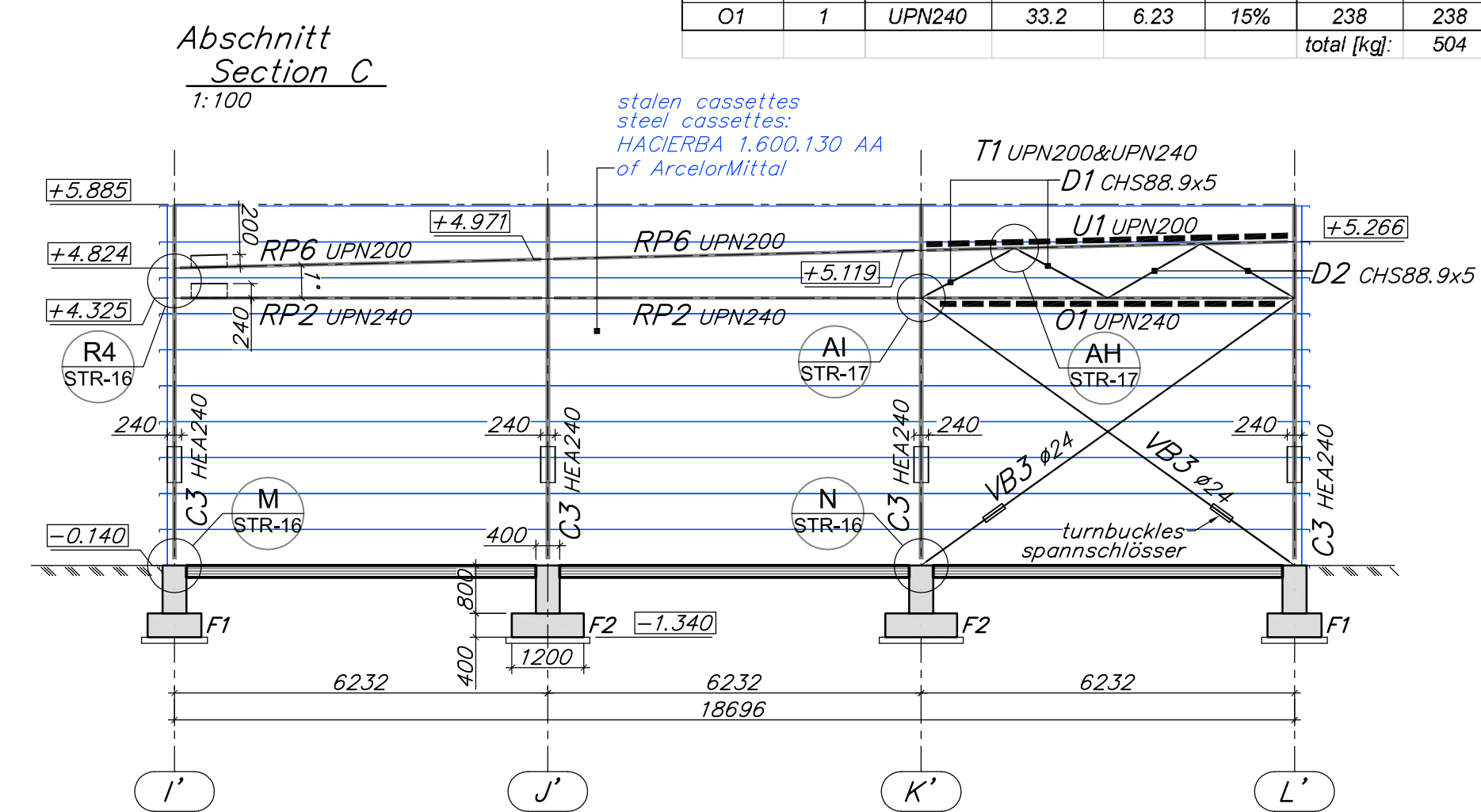
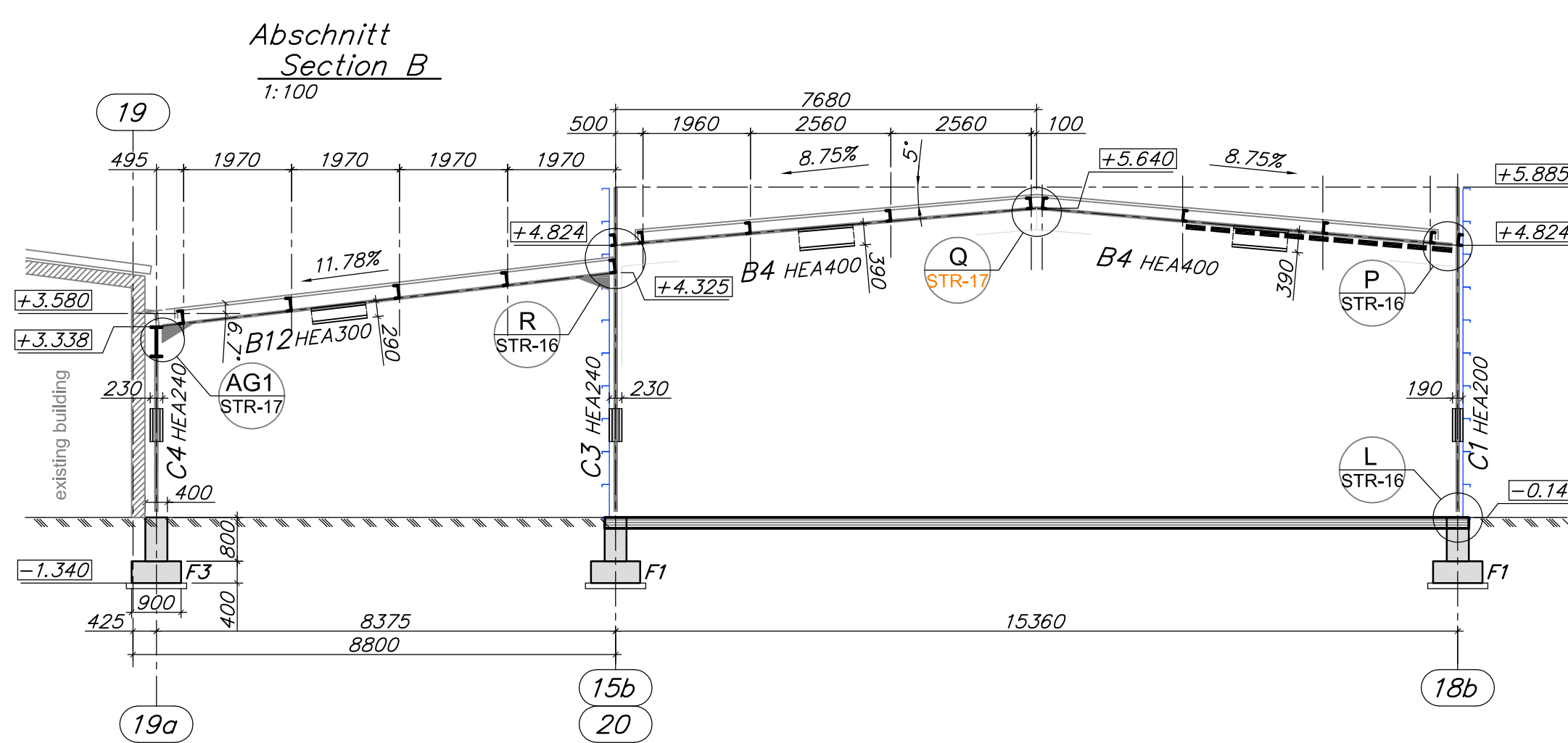
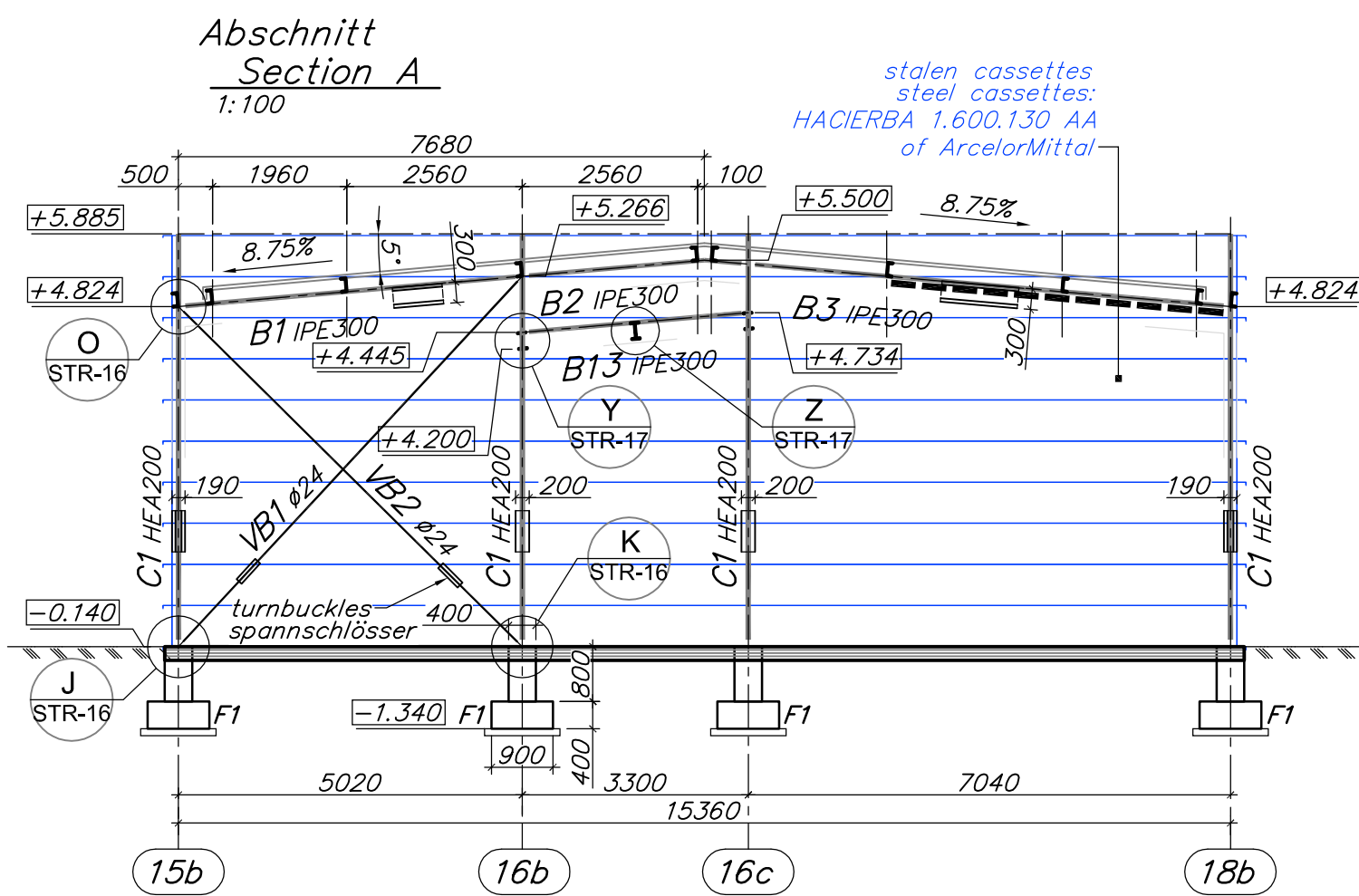
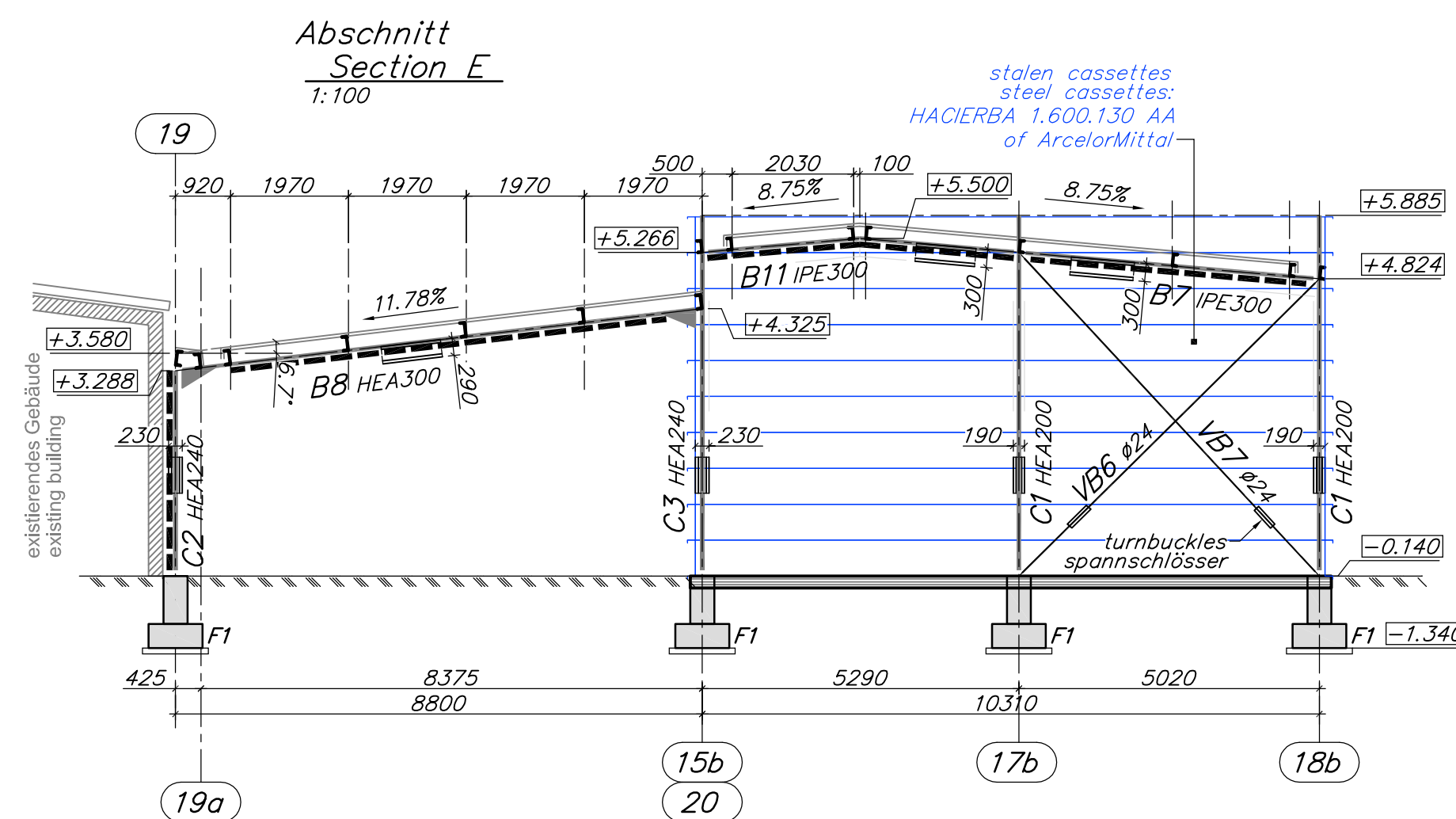
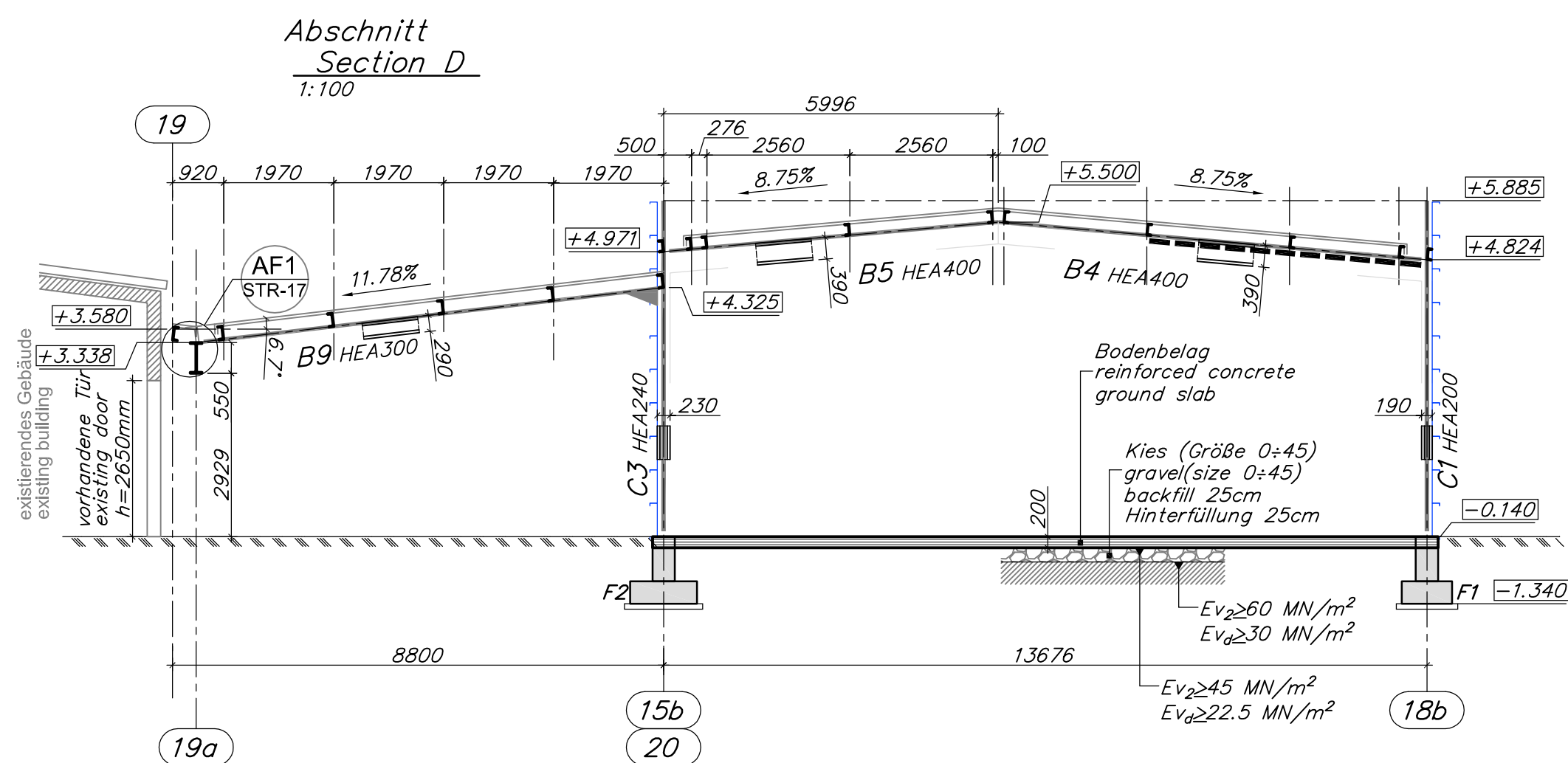
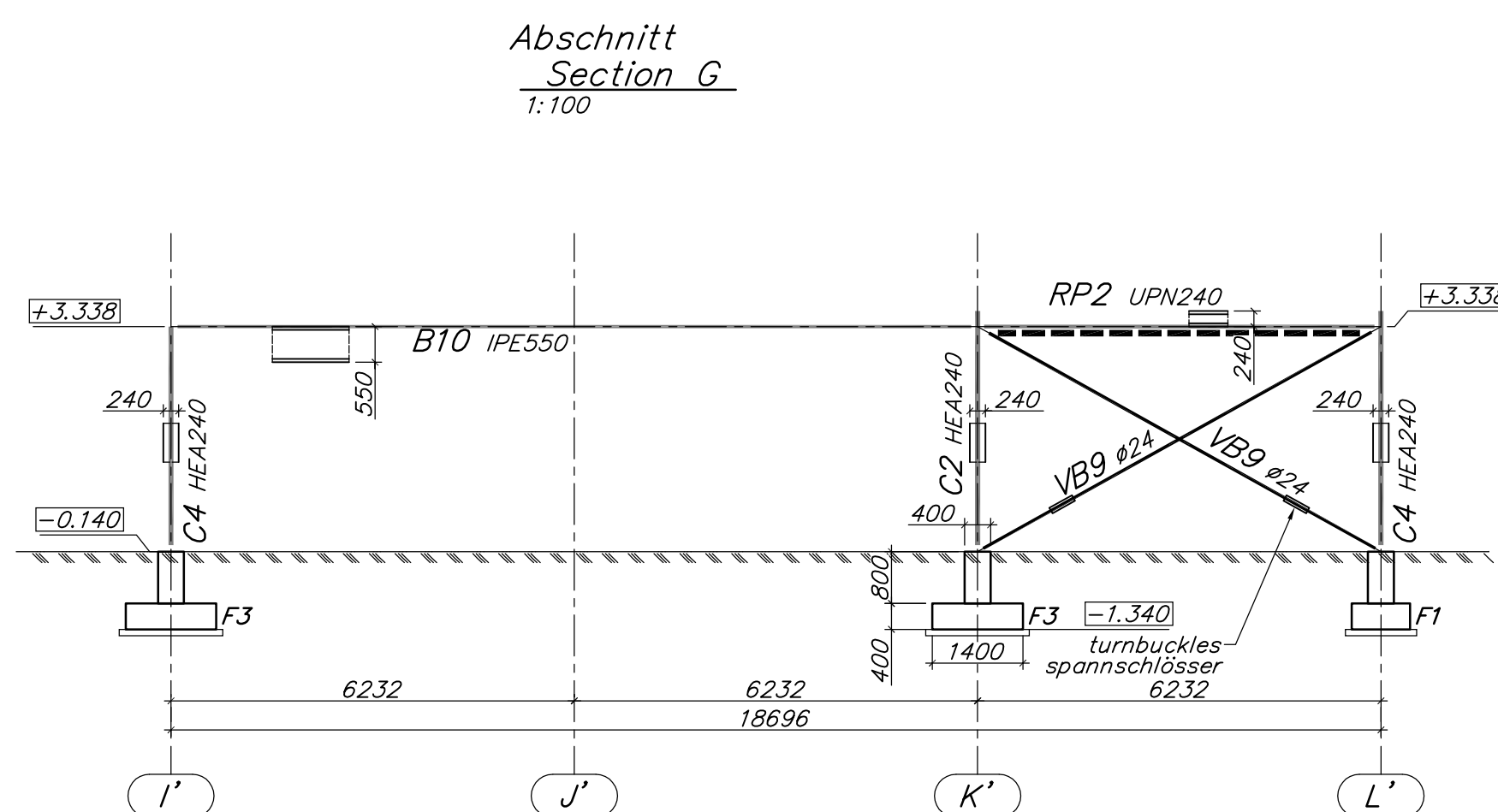
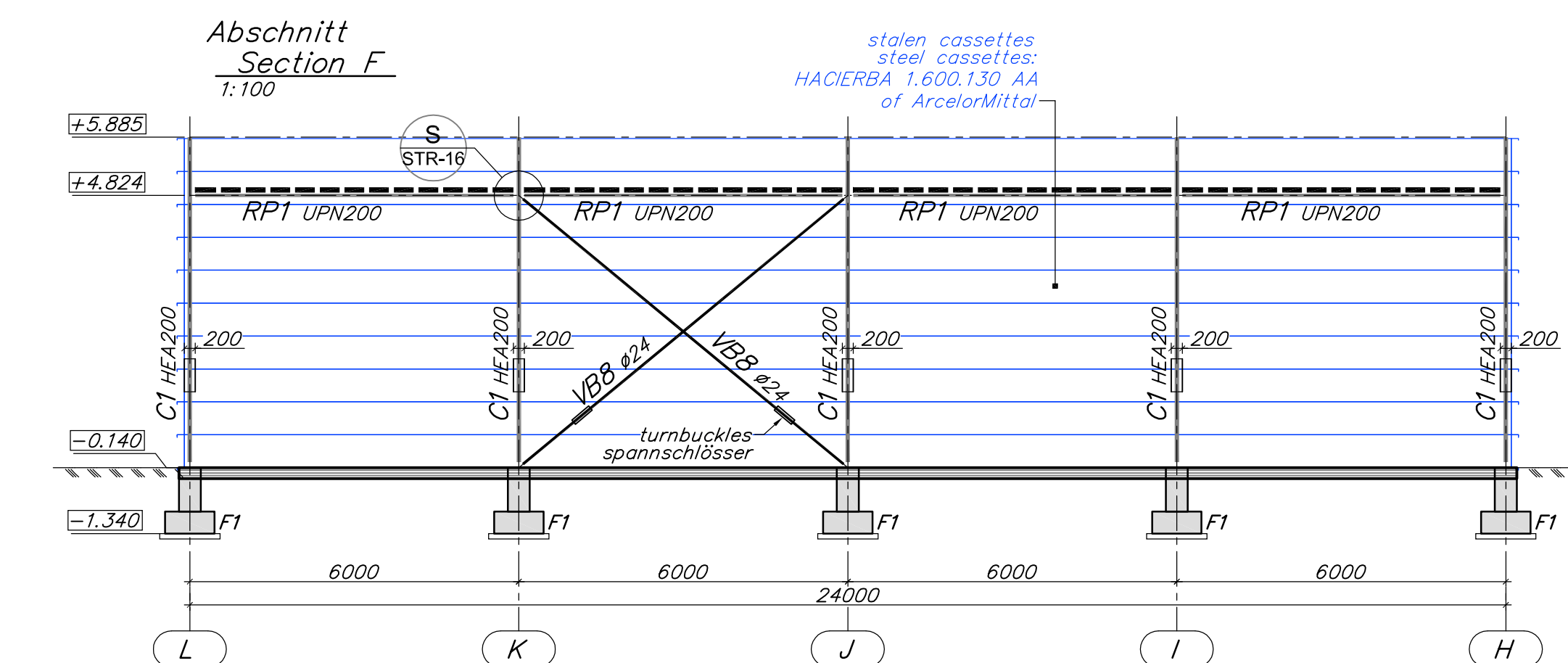
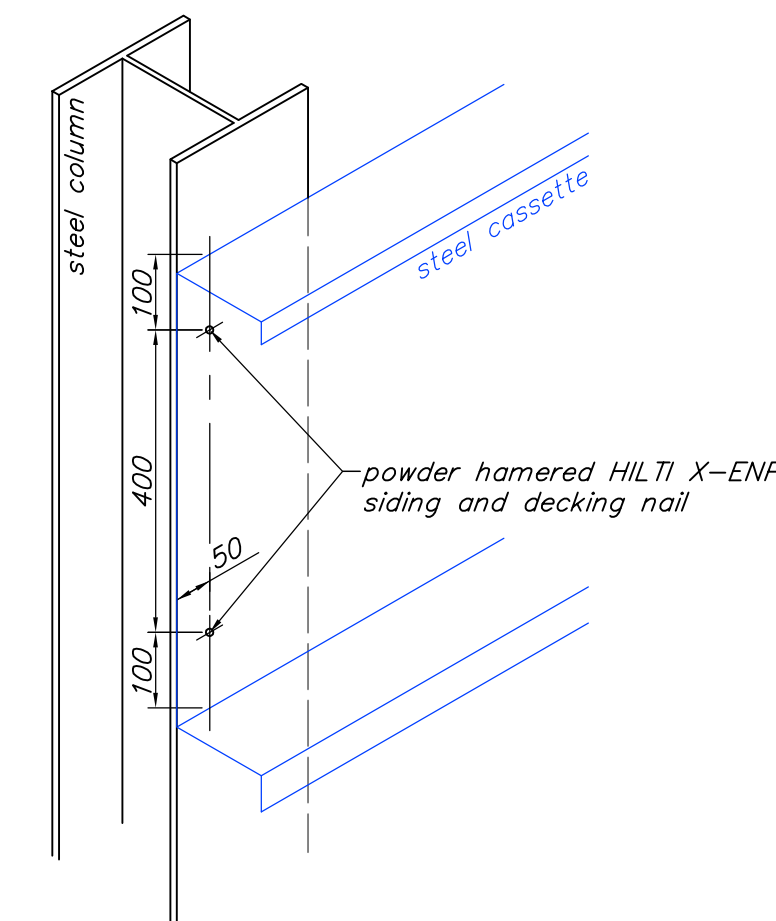




element	items	profile	profile unit mass [kg/m]	element length [m]	add % for detailing	element mass [kg]	total mass [kg]
U1	1	UPN200	25.3	6.23	15%	181	181
D1	2	CHS88.9x5	10.3	1.77	15%	21	42
D2	2	CHS88.9x5	10.3	1.80	15%	21	43
O1	1	UPN240	33.2	6.23	15%	238	238
						total [kg]:	504



Fixierung von stalen cassettes
Fixation of steel cassettes:
1:10



element	items	profile	profile unit mass [kg/m]	element length [m]	add % for detailing	element mass [kg]	total mass [kg]
VB1	1	ø24	3.55	7.40	15%	30	30
VB2	1	ø24	3.55	7.08	15%	29	29
VB3	2	ø24	3.55	7.67	15%	31	63
VB6	1	ø24	3.55	7.08	15%	29	29
VB7	1	ø24	3.55	7.40	15%	30	30
VB8	2	ø24	3.55	7.80	15%	32	64
VB9	2	ø24	3.55	7.10	15%	29	58
T	1					504	504
turnbuckles	10	ø24					
						total [kg]:	807

- NOTES**
- Center of a columns section is cross point of building axis unless noted otherwise
 - Structural steel grade S235JR
 - Bolts grade 8.8
 - Anticorrosion protection of carbon steel elements - see Explanatory Notes

- NOTIZEN**
- Zentrum von säule ist Kreuzungspunkt von gebäudeachsen
 - Konstruktionsstahl: Klasse S235JR
 - Schrauben: Klasse 8.8
 - Korrosionsschutz von Kohlenstoffstahlelementen - siehe Begleitnotiz

04	04/09/2018	RIV	Control required modifications
03	08/09/2017	RIV	Translation to German / Übersetzung ins Deutsche
02	31/08/2017	RIV	Detailed design / ARBEITSENTWURF
01	16/06/2017	RIV	Base design / Basisausführung
00	24/05/2017	RIV	Structure concept / Strukturkonzept
NUM	DATE	NAME	MODIFICATION / ÄNDERUNG
REVISION			
PROJECT EXTENSION HEIDELBERG PLANT PROJEKT ERWEITERUNG DES WERKES IN HEIDELBERG 9 Dischinger str., 69123 Heidelberg, Germany			
AUTHOR OF THE PROJECT ERSTELLER DES PROJEKTS Group IPS Industrial Projects Services		CUSTOMER KUNDE lisi AUTOMOTIVE Lisi Automotive Mecano GmbH Dischingerstr. 9 69123 Heidelberg Deutschland	
AUTHOR'S DRAWING ID ERSTELLER ZEICHNUNG ID O1280-STR-014		CUSTOMER'S DRAWING ID KUNDE ZEICHNUNG ID	
PART TEIL CIVIL & STRUCTURAL KONSTRUKTION		PHASE PHASE DETAILED DESIGN ARBEITSENTWURF	
DRAWING CONTENTS / INHALT DER ZEICHNUNG Main Storage & Logistic Canopy Sections Aussenlager & Logistikdach Abschnitte		SCALE / MASSSTAB 1:100 FORMAT A1	
DESIGNED BY / ENTWORFEN VON dipl. eng. Constantin Stoilov		DRAWN BY / ERSTELLT dipl. eng. Raya Ivanova	
		DATE / DATUM 04/09/2018 REVISION ÄNDERUNG 04	
		CHECKED BY / GEPRÜFT	