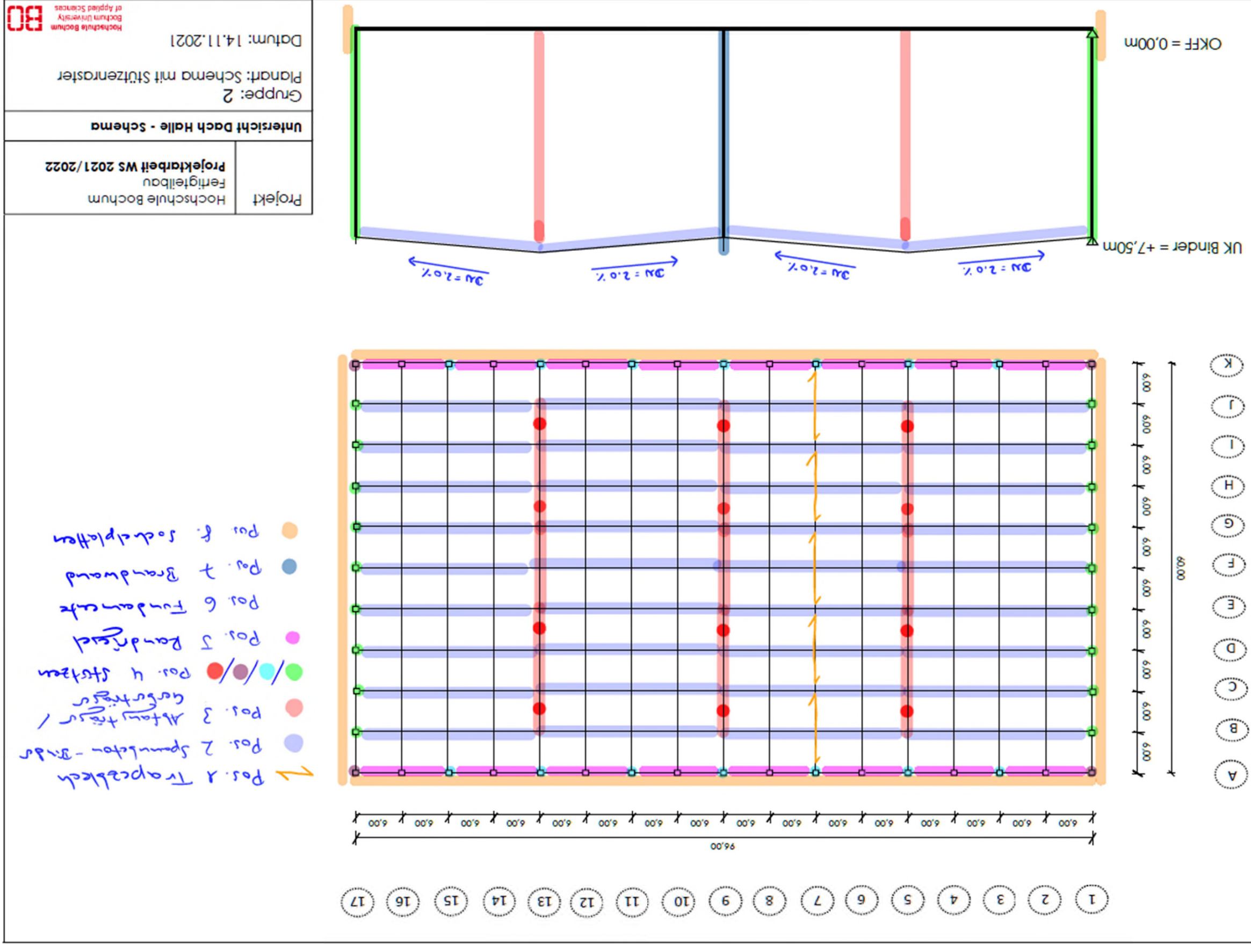
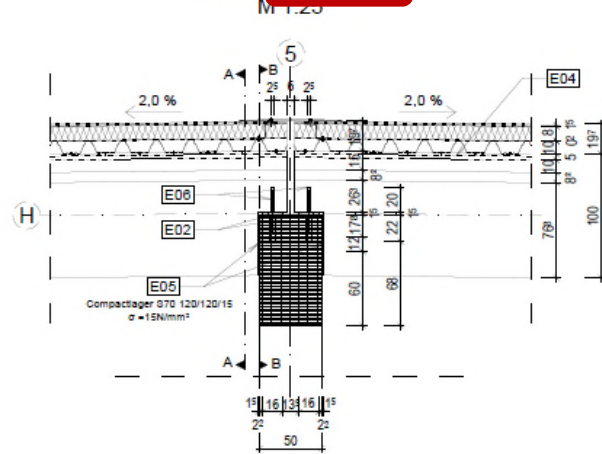




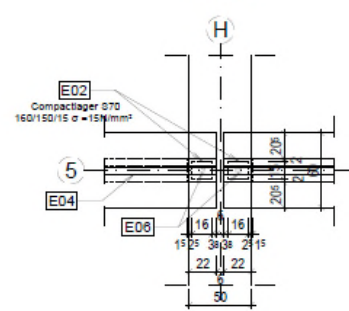
Details

Detailplan

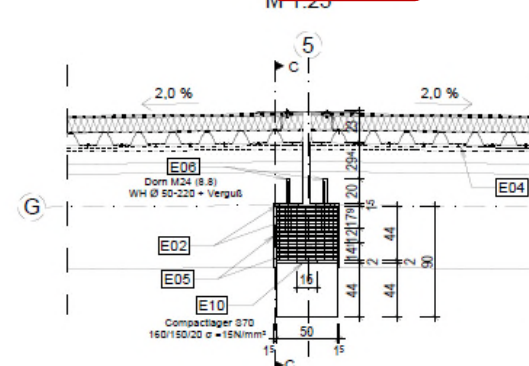
Ansicht Detailplan "A"



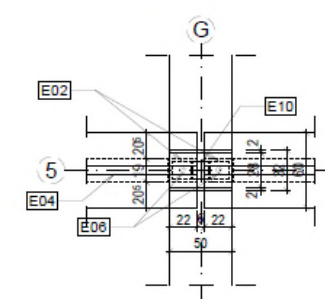
Draufsicht Detailplan "A"



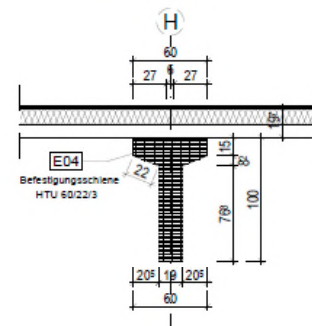
Ansicht Detailplan "B"



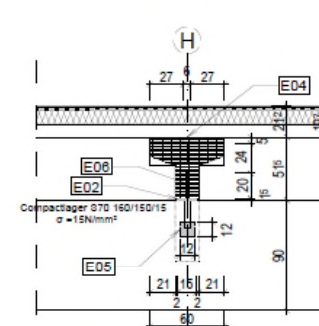
Draufsicht Detailplan "B"



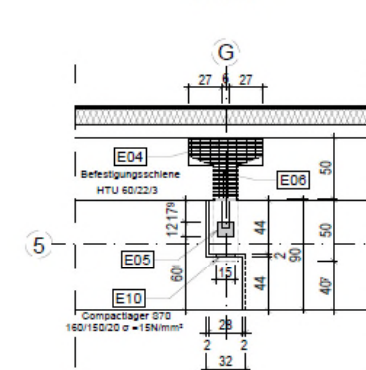
Schnitt A-A



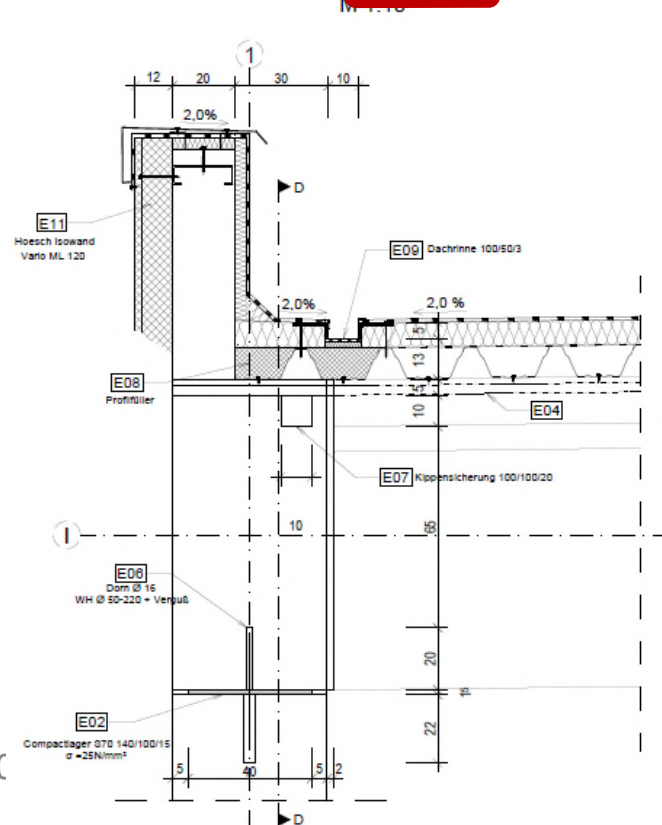
Schnitt B-B



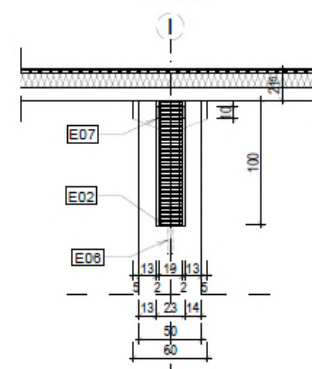
Schnitt C-C



Ansicht Detailplan "C"

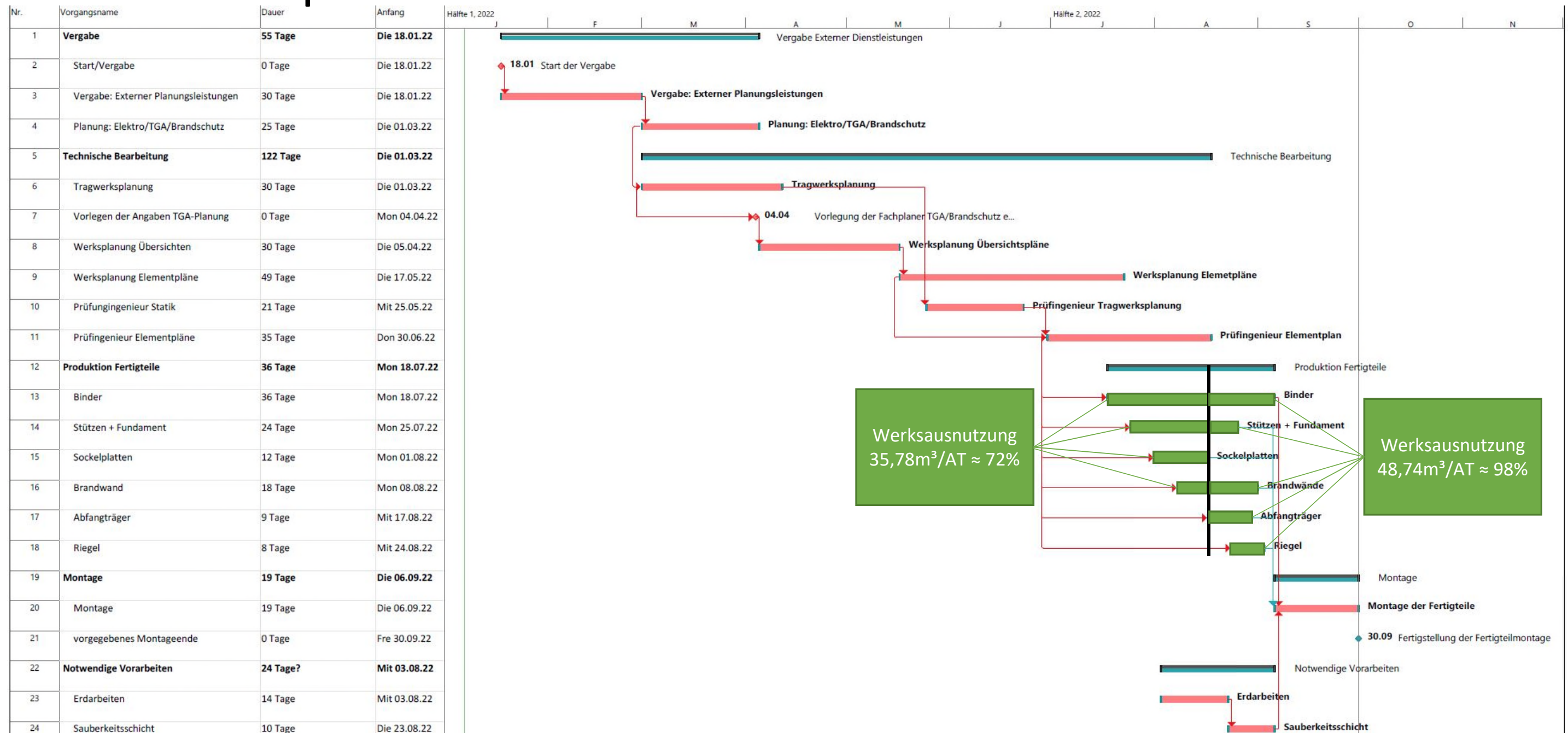


Schnitt D-D



Legende:	Stahlbeton (tragend) Wärmedämmung Isowand Abdichtungsbahn/Dampfsperre
Übersichtplan:	
Plan:	Detailplan "A", "B" und "C"
Bauteil:	Spannbetonbinder und Abfangträger
Objekt:	Neubau Produktionshalle, 44801 Bochum
Hochschule Bochum Bochum University of Applied Sciences	Projektarbeit Betonfertigteiltbau Gruppe 2: Amir, Aloos Holtkamp, David Koç, Aylin Prüfer: Prof. Dr.-Ing. Andrej Albert Dipl.-Ing. Dirk Dörr
BO	Maßstab: M 1:25 & 1:10 Datum: 13.01.2022 Blattnummer: 003

Bauzeitplan

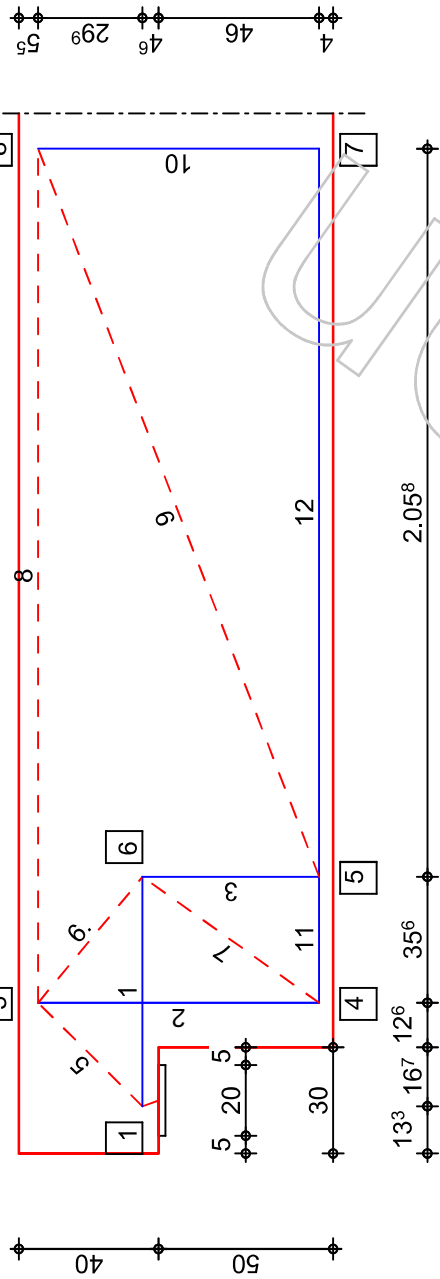


04.03.2022

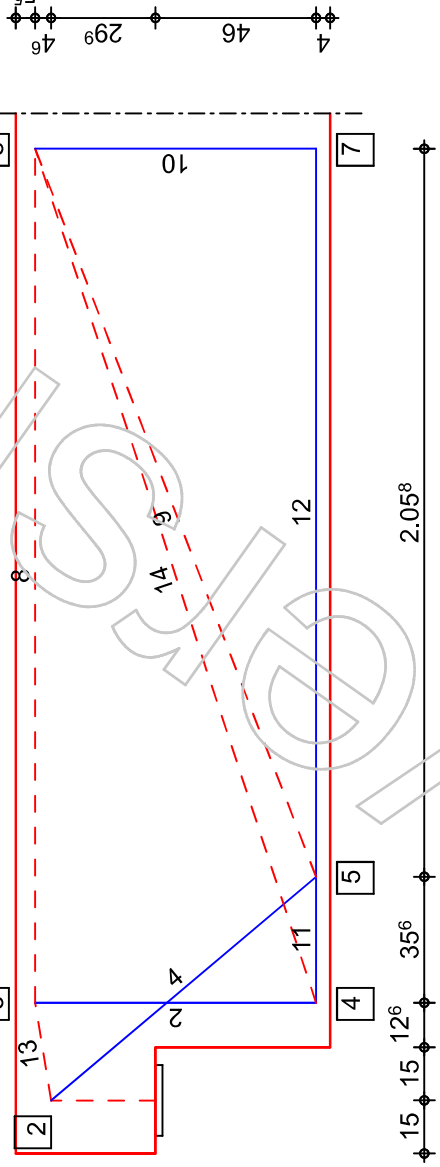
Betonfertigteilbau - Gruppe 2

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M 1:30



M 1:30



Abmessungen

h_k [cm]	l_k [cm]	$b_{x,pl}$ [cm]	$b_{y,pl}$ [cm]	a_k [cm]
40.0	30.0	20.0	40.0	15.0

Lastaufteilung Vertikallasten

Modell	Anteil M1	Anteil M2
mit Schrägstab, 50.2°	55.6%	44.4%

Belastung

EK	F_d [kN]	$F_{d,M1}$ [kN]	$F_{d,M2}$ [kN]	Ant. H %	H_d [kN]
1	514.1	285.6	228.5	20.0	102.8

Bemessung Zugstäbe

Stab	EK	F_i [kN]	$A_{s,erf}$ [cm²]	gew. [-]	$A_{s,vorh}$ [cm²]
1	1	382.5	8.80	2Ø8/2.8(10-s)	10.05
2	1	409.3	9.41	5Ø12/5.0(2-s)	11.31
3	1	285.6	6.57	3Ø12/5.0(2-s)	6.79
4	1	261.0	6.00	3Ø12/5.0(2-s)	6.79
11	1	352.3	8.10		31.42

Verankerung

Stab	Kn.	Art	D_{min} [mm]	$\Pi\alpha_i$ [-]	Verbund	l_{bd} [cm]	$l_{bd,vorh}$ [cm]
1	1	Schlaufe	32	0.7	gut	8.7	21.3
1	6	gerade	-	1.0	gut	18.6	18.6
4	2	Schlaufe	48	0.7	gut	13.1	24.7
4	5	Übergr.	-	1.4	gut	39.4	39.4
11	4	gerade	-	1.0	gut	20.0	21.2