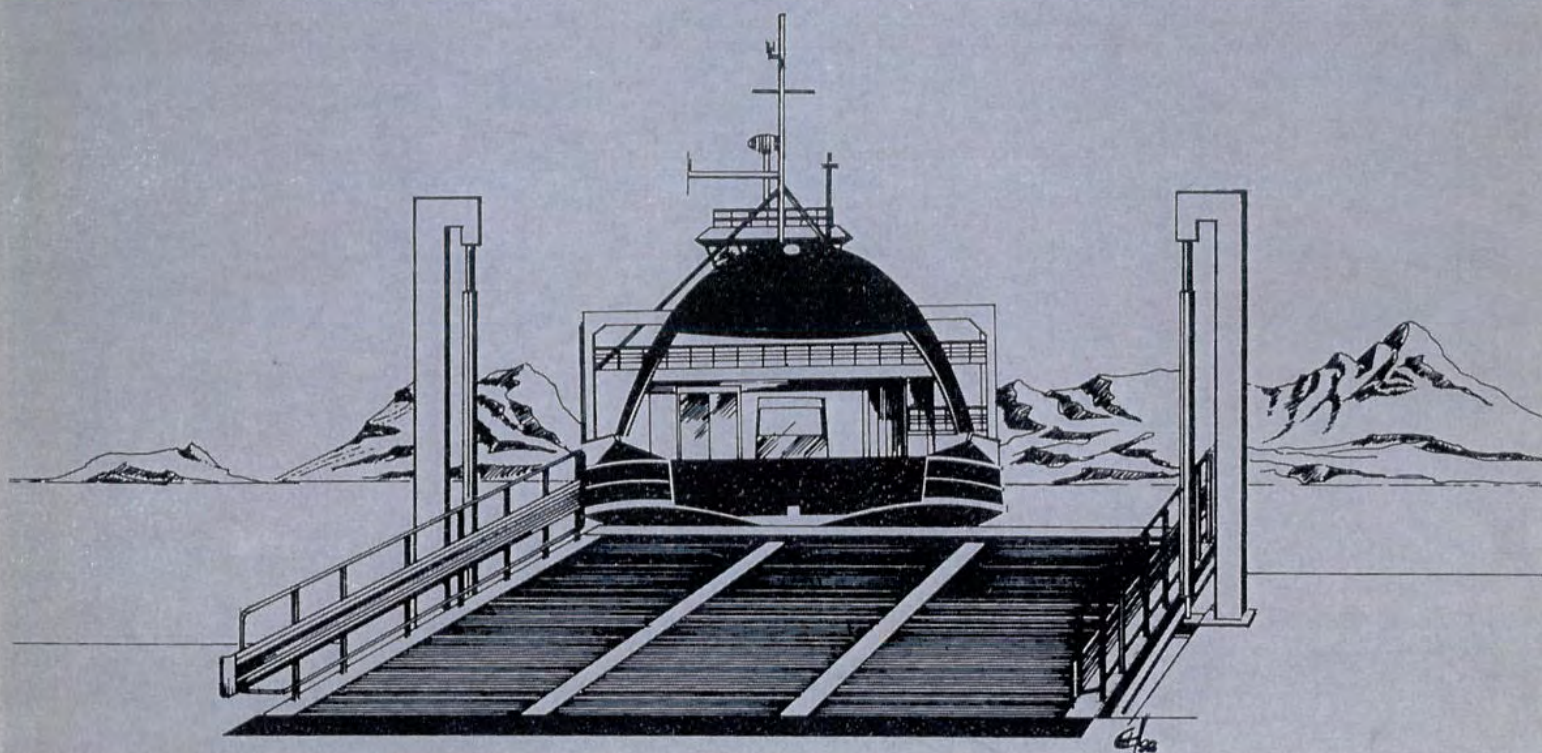




Standard ferjekaibruer - 1

BRUTEGNINGER



August 1996



Statens vegvesen

175

Standard ferjekaibruer - 1

BRUTEGNINGER

August 1996

Normaler

HÅNDBØKER I STATENS VEGVESEN

Dette er en håndbok i vegvesenets håndbokserie - en samling fortløpende nummerte publikasjoner som først og fremst er beregnet for bruk innen etaten.

Håndbøkene kan kjøpes av interesserte utenfor Statens vegvesen til de priser som er oppgitt i håndbokoversikten - håndbok 022.

Det er den enkelte fagavdeling innen Vegdirektoratet som har hovedansvaret for utarbeidelse og ajourføring av håndbøkene.

De daglige fellesfunksjoner som utgivelse av håndbøker fører med seg, blir ivaretatt av det sentrale håndboksekretariat.

Vegvesenets håndbøker utgis på 2 nivåer:

Nivå 1 - Rød farge på omslaget - omfatter Forskrifter, Normaler og Retningslinjer godkjent av overordnet myndighet eller av Vegdirektoratet etter full makt.

Nivå 2 - Blå farge på omslaget - omfatter veiledninger, Lærebøker og Vegdata godkjent av den enkelte fagavdeling i Vegdirektoratet.

Standard ferjekaibruer - 1

BRUTEGNINGER

Nr. 175 i vegvesenets håndbokserie

Opplag: 200

Trykk: GCS A/S, Oslo

ISBN 82-7207-420-6

FORORD

Normalene er utgitt med hjemmel i Forskrifter etter veglovens § 13, fastsatt av Samferdselsdepartementet i brev av 24.mars 1987.

Følgende normaler og retningslinjer danner grunnlag for og supplerer håndbok 175 og gjelder foran disse ved eventuelle uoverensstemmelser:

- Lastforskrifter for bruer og ferjekaier i det offentlige vegnett
- Prosjekteringsregler for bruer
- Prosesskode - 2

Håndbok 175, består av 2 hefter i A4 - format:

- " Standard ferjekaibruer - 1. Brutegninger "
- " Standard ferjekaibruer - 2. Elektrohydrauliske styresystemer "

Denne håndboken, som er en revidert utgave av håndboken av 1993, inneholder komplette tegninger for følgende brustørrelser:

1	- 4.5 x 15 meter ferjekaibru	(Std.nr. 1)
2	- 4.5 x 18 meter ferjekaibru	(Std.nr. 2)
3	- 7 x 12 meter ferjekaibru	(Std.nr. 3)
4	- 7 x 15 meter ferjekaibru	(Std.nr. 4)
5	- 7 x 18 meter ferjekaibru	(Std.nr. 5)
6	- 9 x 12 meter ferjekaibru	(Std.nr. 6)
7	- 9 x 15 meter ferjekaibru	(Std.nr. 7)
8	- 9 x 18 meter ferjekaibru	(Std.nr. 8)

Håndboken av 1993 utgår.

For bruk som arbeidstegninger foreligger tegningene på AutoCad- format.

Statens vegvesens normaler er å anse som interne retningslinjer som skal følges så langt dette er mulig. Normaler er ikke forskrifter, og kan ikke påberopes av publikum. Eventuelle avvik fra interne retningslinjer vil bare være gjenstand for intern påpekning og forføyelse, og forholdet gir ikke publikum klagerett.

Vegdirektoratet
august 1996

Ansvarlig avdeling:
Bruavdelingen

STANDARD FERJEKAIBRU

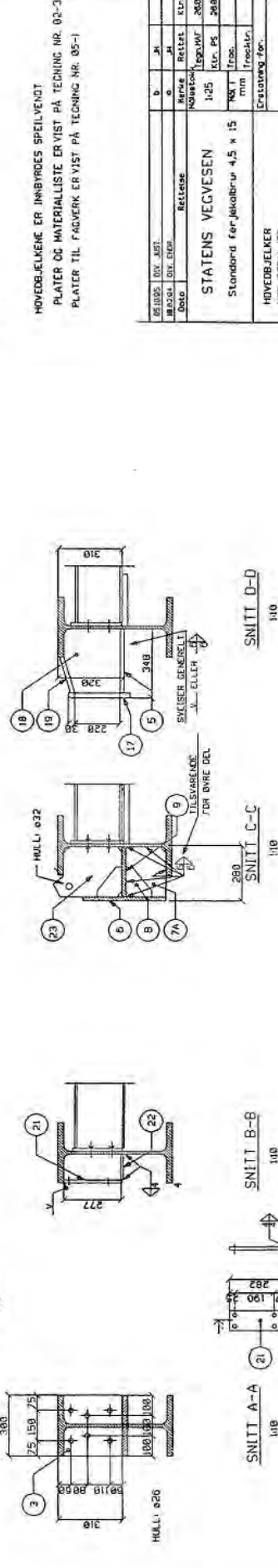
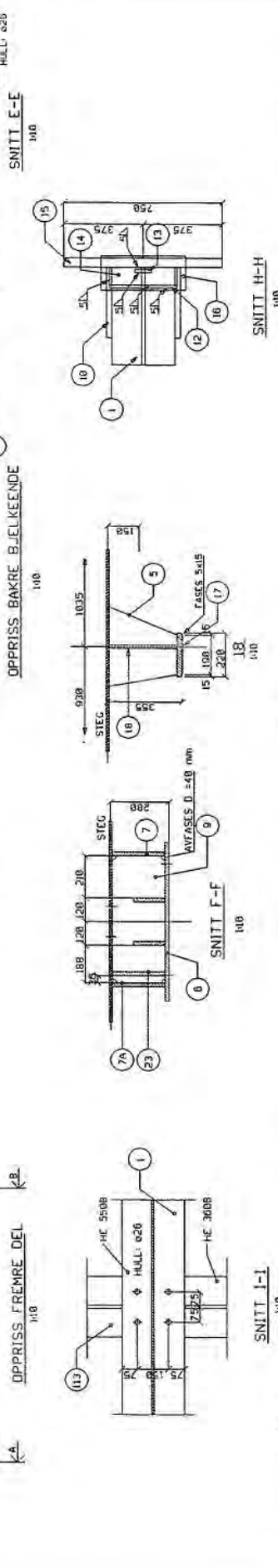
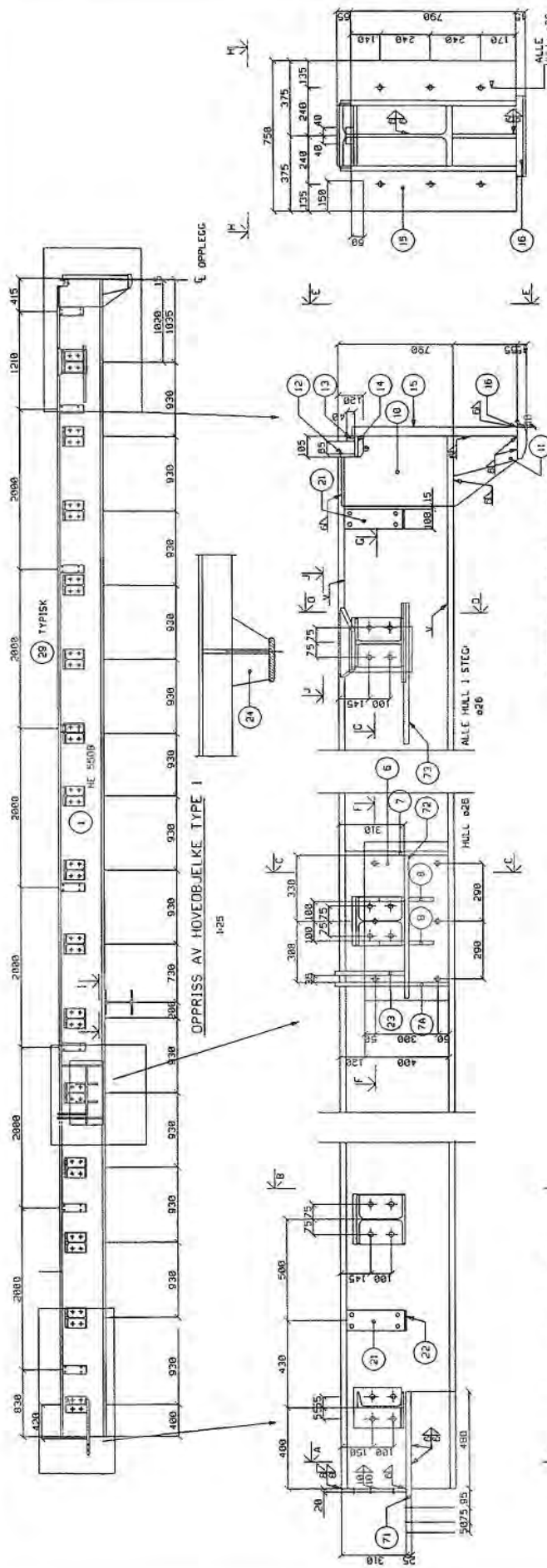
4,5 x 15 m.

(1)

STANDARD FERJEKAIBRU, 4.5 x 15 m. (Std. nr. 1)

TEGNINGSLISTE

Bl. nr. 01B	Oversikt
Bl. nr. 02-IB	Hovedbjelker med detaljer
Bl. nr. 02-IIIB	Hovedbjelker, plater og materialliste
Bl. nr. 03	Tverrbjelker
Bl. nr. 04-IB	Frontbjelke med detaljer
Bl. nr. 04-IIB	Frontbjelke, plater og materialliste
Bl. nr. 05-I	Fagverk, plan og detaljer
Bl. nr. 05-IIA	Fagverk, plater og materialliste
Bl. nr. 06A	Paneler bak frontbjelke
Bl. nr. 07A	Heisebjelke, innstøpt glideplate
Bl. nr. 08A	Bakre tverrbjelke, overgangsplate
Bl. nr. 09-IB	Innstøpningsgods ved landkar, brulagre
Bl. nr. 09-IIA	Konsoll og dekkplate ved landkar
Bl. nr. 09-III	MV-fender
Bl. nr. 09-IVA	Fendere
Bl. nr. 10A	Fremre sidestyring, glidende og rullende
Bl. nr. 11	Heisetårn
Bl. nr. 12A	Brurekkverk
Bl. nr. 13	Gitterrister
Bl. nr. 14	Skruer, muttere og skiver
Bl. nr. 15	Betongmål brubås
Bl. nr. 16	Utstyr
Bl. nr. 17A	Bruoppheng for vedlikehold

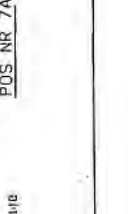
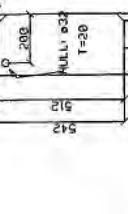
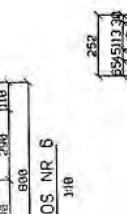
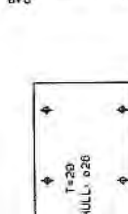
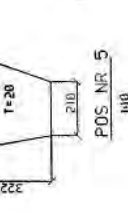
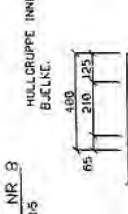
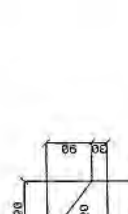
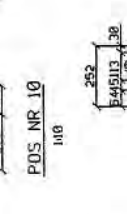
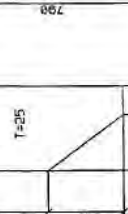
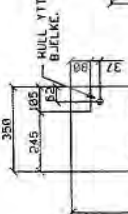
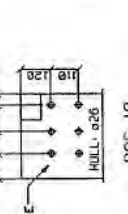
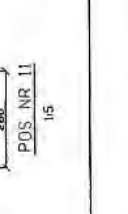
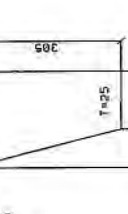
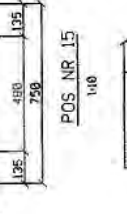
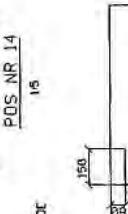
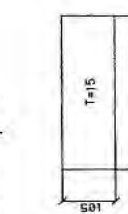
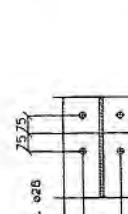
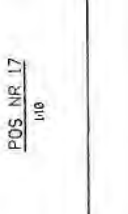
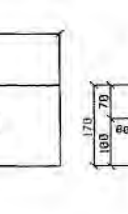
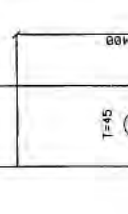
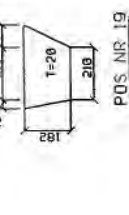
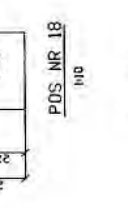
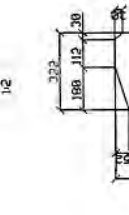
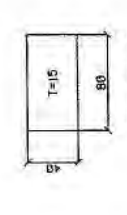
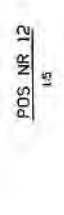
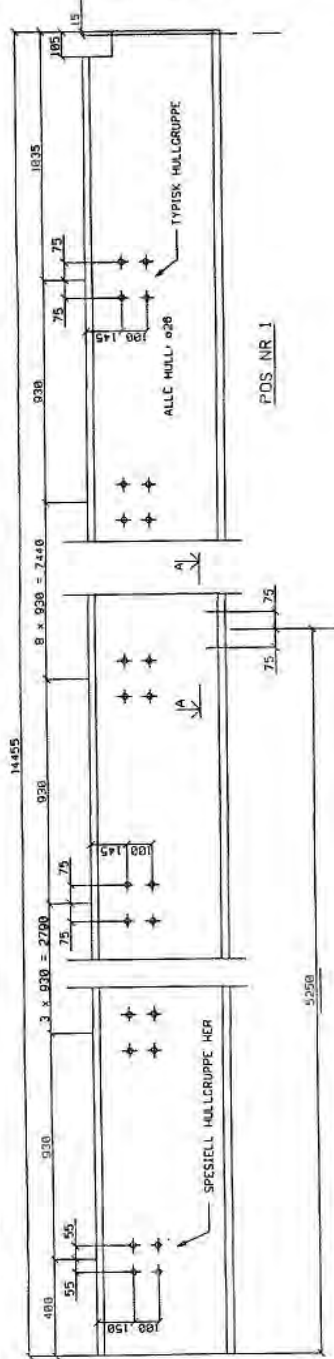


HOVEDBEJELKENE ER INDBYRDES SPEJLVENDT
PLATER OG MATERIELLISTE ER VIST PÅ TEKNING NR. 02-3
PLATER TIL FÆGVERK ER VIST PÅ TEKNING NR. 05-1

SE 1005 DIV. ART.	D	M.	M.
MA 504 DIV. DEG.	0	1	1
Dato	Rettesdato		Rettesnr.
STATENS VEGVESEN		Nødvendigt	200202
Standard for Jelekbræ 4.5 x 15		ccr. PS	200202
mm		Trækstyr.	
mm		Trækstyr.	
mm		Trækstyr.	
Opstilling for.			
HOVEDBEJELKER HED DETALJER		Verst. nr.	Bl. nr.
H. 1.000-ud		0	92
H. 1.000-ud		0	1
H. 1.000-ud		0	92-18

POS.	ANT.	BENÆVNELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET	
			LOKK	TRUK			
1	2	HE 550A	14485	-	2077	S1. 52-3N (F=5100L)	
3	2	PLATE	318	300	20	15	30 RSL37-2 (F=3000FN)
5	2	PLATE	408	322	20	21	42 RSL37-2 (F=3000FN)
6	2	PLATE	800	400	20	51	102 RSL37-2 (F=3000FN)
7	2	PLATE	252	492	20	20	50 RSL37-2 (F=3000FN)
7A	2	PLATE	252	542	20	22	44 RSL37-2 (F=3000FN)
8	8	PLATE	150	120	20	3	24 RSL37-2 (F=3000FN)
9	2	PLATE	538	252	20	26	52 RSL37-2 (F=3000FN)
10	4	PLATE	840	350	25	50	236 RSL37-2 (F=3000FN)
11	2	PLATE	302	200	25	3	24 RSL37-2 (F=3000FN)
12	2	PLATE	320	65	15	2	4 RSL37-2 (F=3000FN)
13	2	PLATE	80	40	15	-	1 RSL37-2 (F=3000FN)
14	2	PLATE	320	195	15	4	8 RSL37-2 (F=3000FN)
15	2	PLATE	700	750	45	213	420 RSL37-2 (F=3000FN)
16	2	PLATE	400	170	45	24	48 RSL37-2 (F=3000FN)
17	2	PLATE	220	230	25	18	36 RSL37-2 (F=3000FN)
18	2	PLATE	322	272	20	14	28 RSL37-2 (F=3000FN)
19	2	PLATE	350	182	20	18	28 RSL37-2 (F=3000FN)
21	8	PLATE	281	100	15	3	24 RSL37-2 (F=3000FN)
22	10	PLATE	127	180	10	1	16 RSL37-2 (F=3000FN)
23	2	PLATE	332	282	20	13	28 RSL37-2 (F=3000FN)
					SUM	699,4	

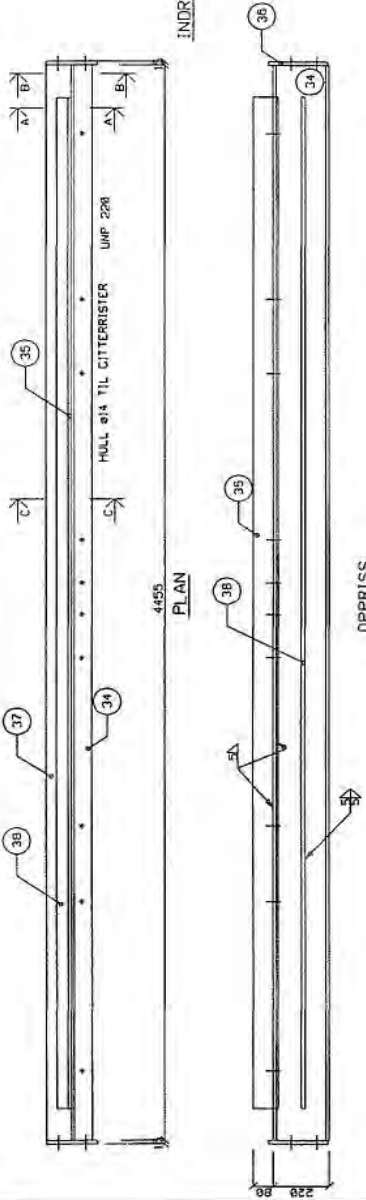
NEI ALLE DIMENSJONER I TABELL ER TEORETISKE MÅL



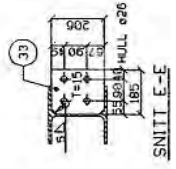
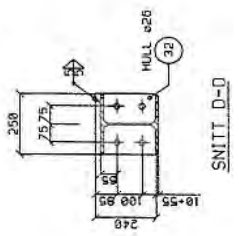
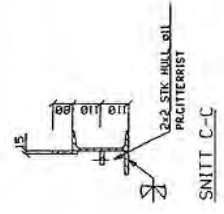
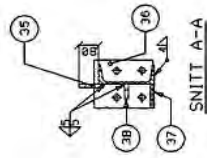
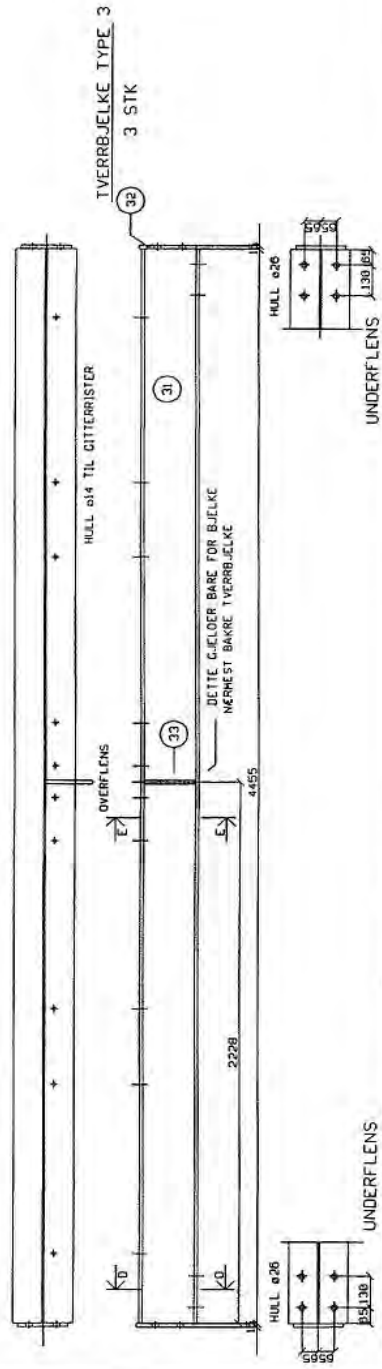
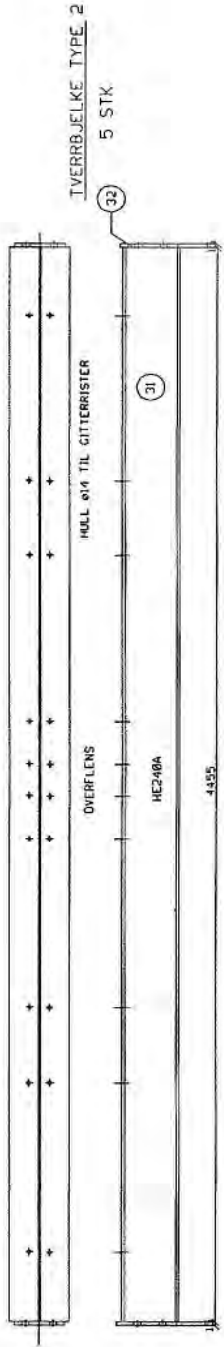
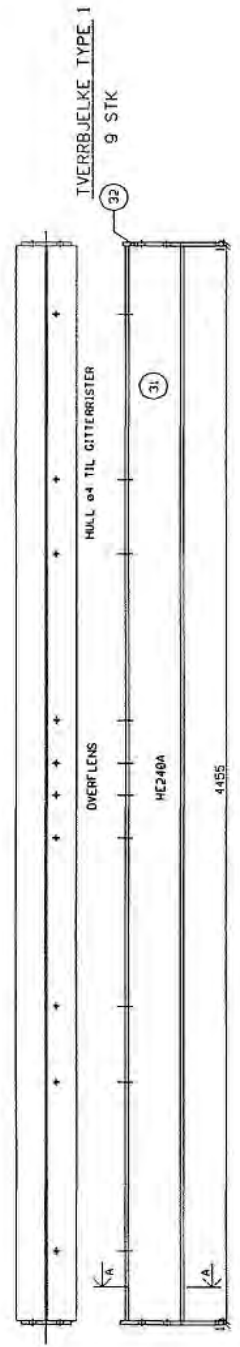
BRAND	DR. APT.	DR. APT.	DR. APT.	DR. APT.	DR. APT.	DR. APT.	DR. APT.	DR. APT.	DR. APT.
STATENS	VEGVESEN	Standard fer-jelkobru	4,5 x 15						
HOVEDDELKER	PLATER OG MATERIALLISTE	Vegetabiliskta brændsel	0,10/0,10/0,10						
K.T.800r-ud	tegnl)	ØKjøppe	Capel						
Version	Sl. nr.	Bl. nr.							
91	1	92-1118							

POS. ANT.	BETEVNELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET
		LINDE	BRØDDE		
31	14 HE 240A	4455	266	3708	S152-3N (Fe360FD)
32	28 PLATE	240	250	15	7 R537-2 (Fe300BFN)
33	1 PLATE	200	105	5	5 R537-2 (Fe300BFN)
34	1 UMP220	4455	-	131	131 R537-2 (Fe300BFN)
35	1 PLATE	4100	100	15	50 R537-2 (Fe300BFN)
36	2 PLATE	235	200	15	12 R537-2 (Fe300BFN)
37	1 PLATE	4455	100	15	53 R537-2 (Fe300BFN)
38	1 PLATE	4190	100	15	36 R537-2 (Fe300BFN)
SUM				4249	

INDRE PANELBJELKE



OPPRISS

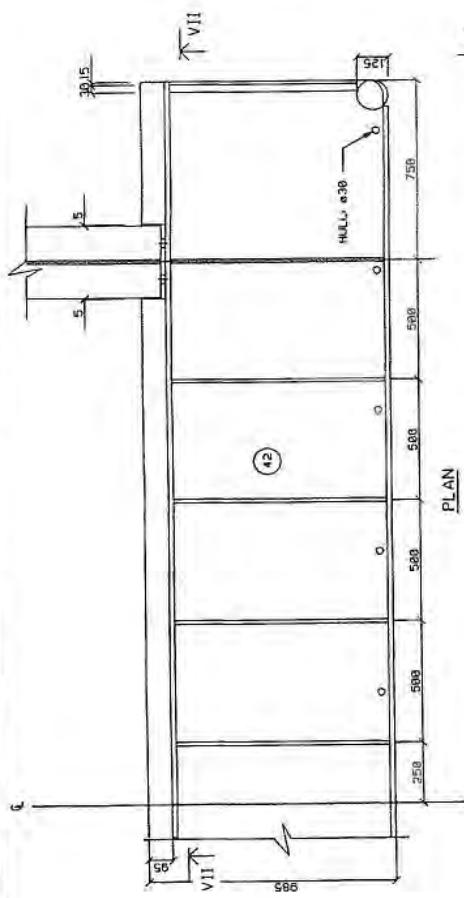


BORING I OVERFLENSER
 UTFØRES I SANSVAR MED
 GITTERRISTENES VIRKELIGE
 HÅL OG HULLPÅSSERING

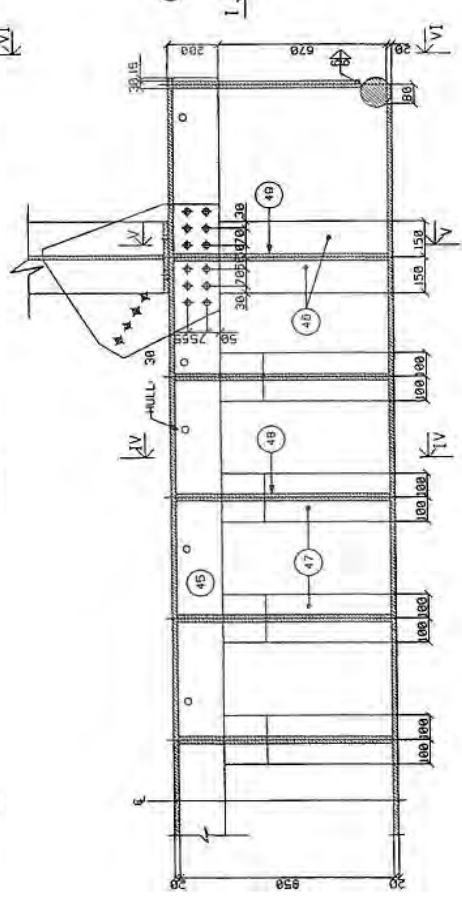
Dato	Revisjon	Rev. No.	Rev. Beskr.

INNHOLD	Rev. No.	Rev. Beskr.
STATENS VEGVESEN	110	250802
Standard for Jekkebr. 4.5 x 15	Rev. PS	250802
	mm	Trasér.
		Erstatning for.

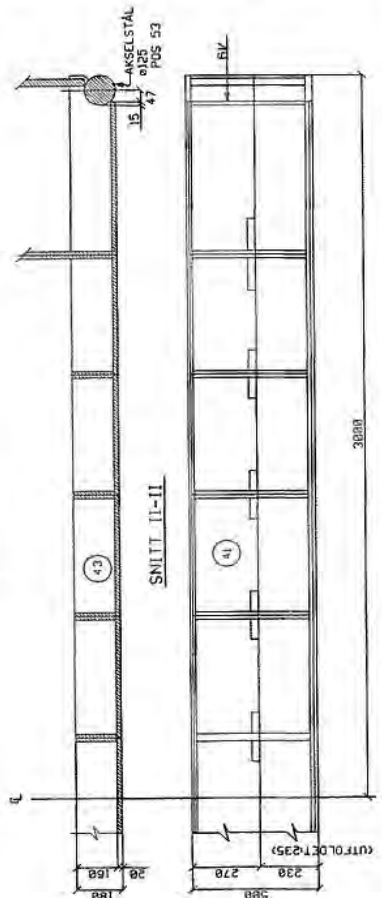
TYPERBJELKER	Varianter	St. nr.	Bl. nr.
Veggebjelke med innvendig Ø14/Ø26			
H.T. Ø14-rud (90°)	Ø14/Ø26	91	03



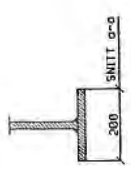
PLAN



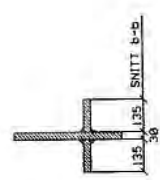
SNITT I-I



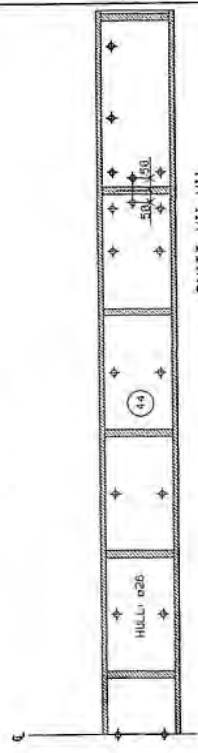
SNITT II-II



SNITT 0-0

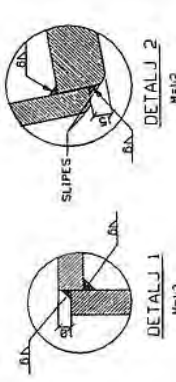


SNITT b-b

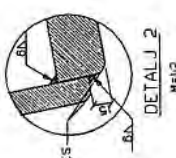


SNITT VII-VII

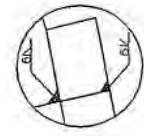
(BÅRE FRONTBÆLKE VIST)



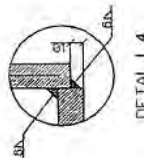
DETALJ 1



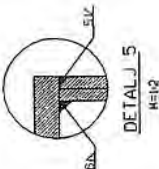
DETALJ 2



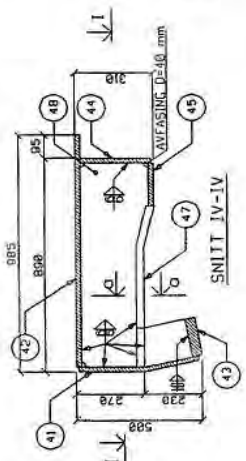
DETALJ 3



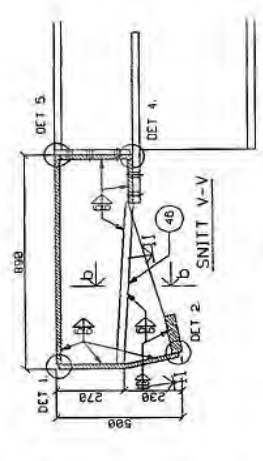
DETALJ 4



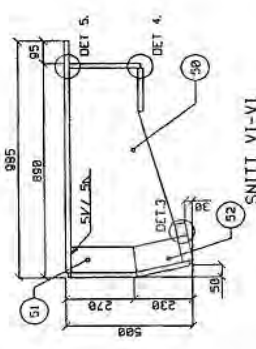
DETALJ 5



SNITT IV-IV



SNITT V-V



SNITT VI-VI

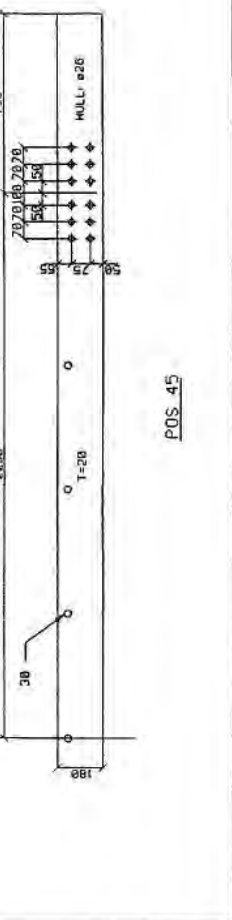
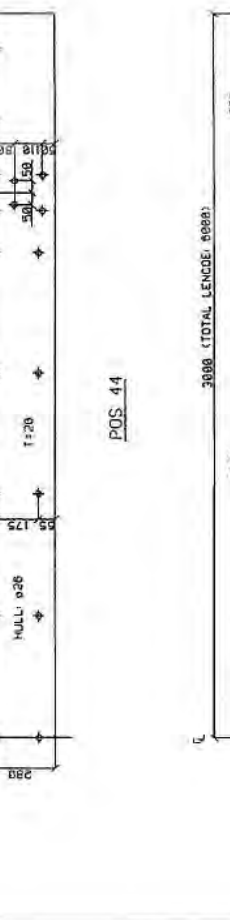
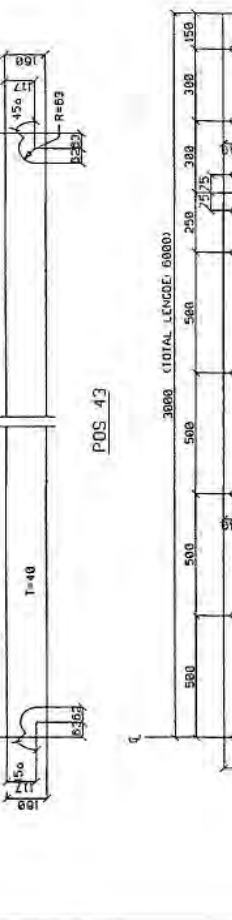
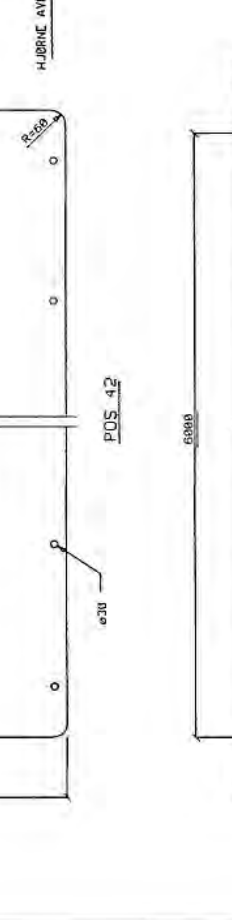
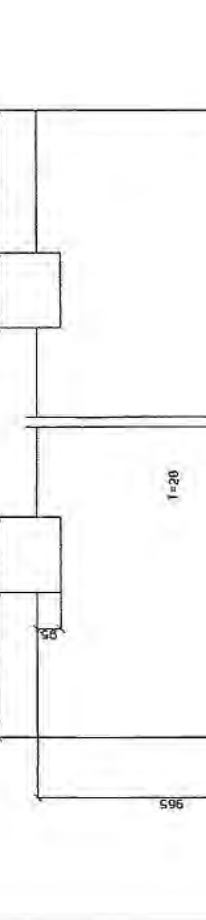
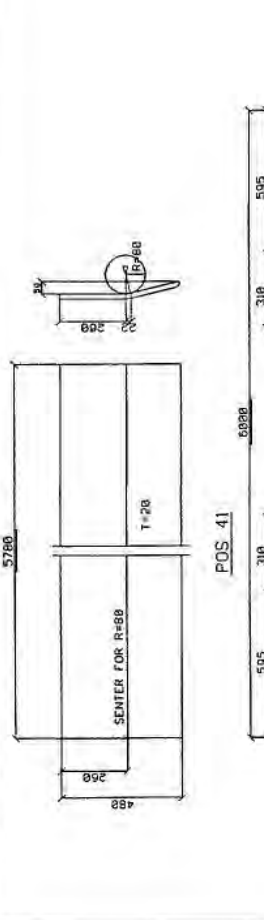
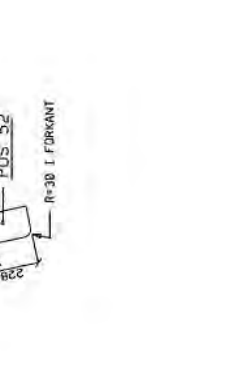
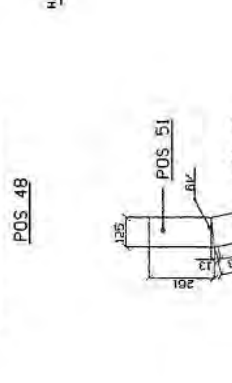
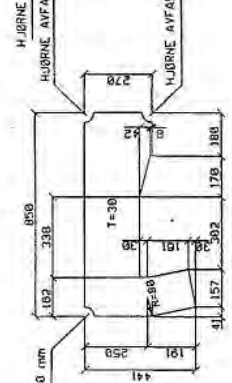
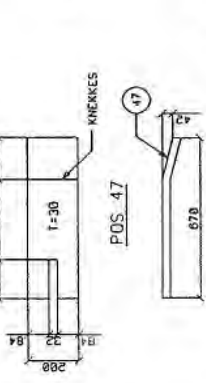
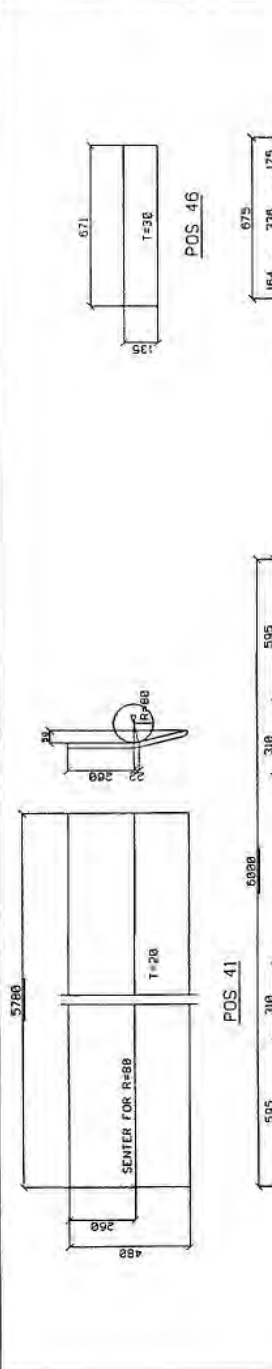
SVEIS, SE SNITT V-V

PROJEKT	PROJEKT	PROJEKT	PROJEKT	PROJEKT	PROJEKT	PROJEKT	PROJEKT
NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8
STATENS	VEGVESEN	Standard	før	Jøderbru	4.5	x	15
FRONTBÆLKE MED DETALJER							
Vegretorreasts brukning, Ø10xØ6-Ø6							
HT, Øderud tegne							
Økloppe							
tegne							
91							
1							
Ø4-1B							

POS. ANT.	BENEVNELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET	
		Lengde	bredde	flate	totalt	
41	1 PLATE, KNEKES	5780	488	20	444	HARDOX 400
42	1 PLATE	6000	905	20	928	RSL37-2 (Fe300BFN)
43	1 PLATE	6000	168	40	367	HARDOX 400
44	1 PLATE	6000	288	20	268	RSL37-2 (Fe300BFN)
45	1 PLATE	6000	180	20	173	RSL37-2 (Fe300BFN)
46	4 PLATE	671	135	36	22	RSL37-2 (Fe300BFN)
47	8 PLATE, KNEKES	675	208	36	32	RSL37-2 (Fe300BFN)
48	8 PLATE	656	441	36	90	RSL37-2 (Fe300BFN)
49	2 PLATE	745	422	30	76	RSL37-2 (Fe300BFN)
51	2 AKSELSTÅL ø125	261	-	-	22	4-1 S152-3N (Fe510D1)
52	2 AKSELSTÅL ø125	228	-	-	25	50 S152-3N (Fe510D1)
		SUM		302		

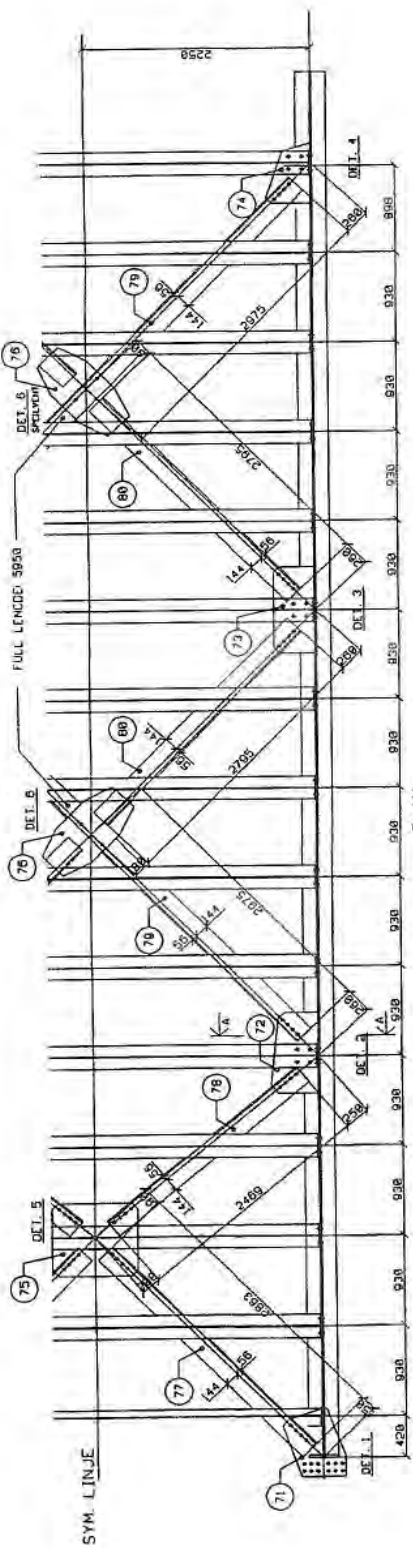
AKSELSTÅL ø125 KAN ERSTATTES AV EMICRSOR 125/71

NB! ALLE DIMENSJONER I TABELL ER TEORETISKE MÅL.

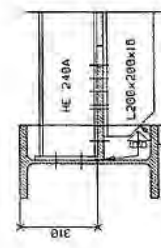
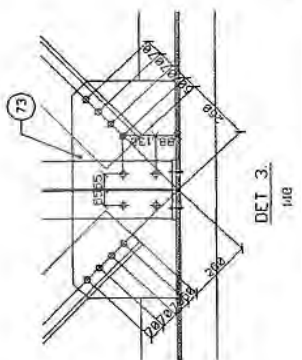
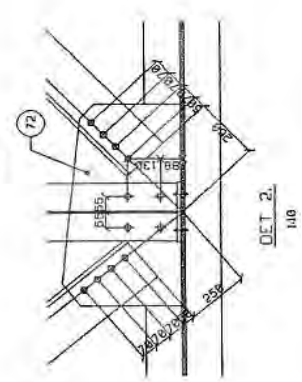
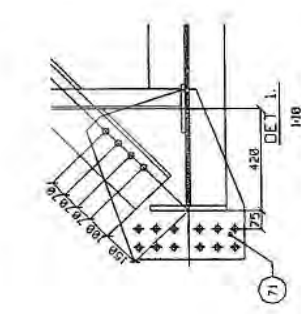


18.03.04	EXAK. STØBBELSE PÅ POS. 42	DIV. ELEM.	Relevante	d	JR
Data				o	
STATENS VEGVESEN					
Standard for Jøkelbruv 4.5 x 15					
FRONTBÆLKE					
PLATER OG MATERIALLISTE					
Vegvesenstatistisk brukning, Datakoll-06					
H. T. Bøderud					
tegn.					
D. Kleppe					
tegner					
Dokument nr. 91					
Bl. nr. 1					
Ø 4-118					

ALLE DIAGONALER L200x200x16



PLAN 1:25

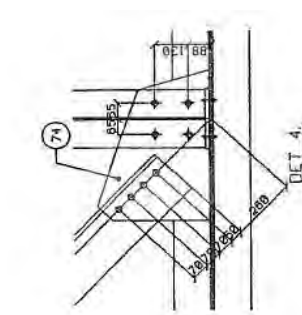
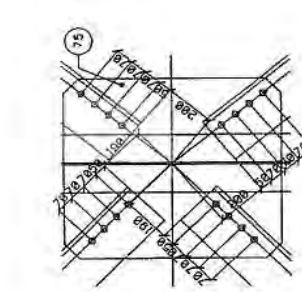
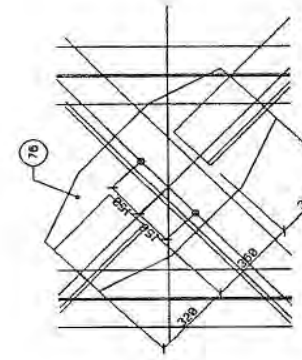


VINKLENE SRAKJÆRES 100/100
 HVIS DISSE TREFFER BÆLGEN
 SNITT A-A
 (TYPISK FOR ALLE
 KNOTTEPLATER.)

GENEBELT FOR ALLE PLATER

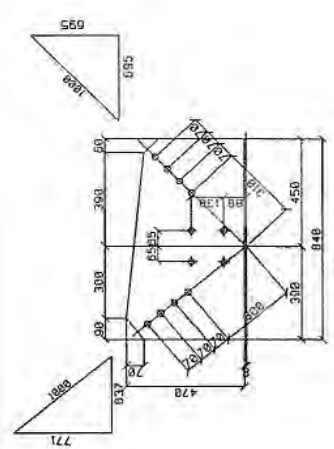
T=25
 HULL Ø26
 SVEISER TIL HOVEDBÆLKER 6 Ø

PLATER OG MATERIALISTER ER VIST PÅ TECN. NR. 058

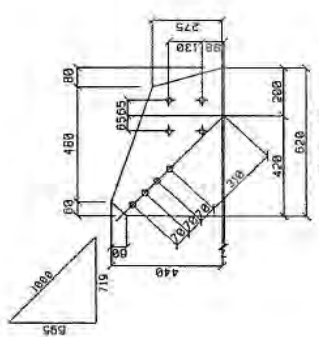


Data		Rette		B	
Merke		Rette		Bl. nr.	
Norm		Legemål		27.02.02	
1/25		1/10		27.02.02	
Standard for Jakobbruv 4.5 x 35		1/10		27.02.02	
FAKVERK		1/10		27.02.02	
PLAN OG DETALJER		1/10		27.02.02	
Vegvesenstatens bygnings. Om.no.no.00		1/10		27.02.02	
H. Alderud		1/10		27.02.02	
D. Kleppe		1/10		27.02.02	
1		1		05-1	

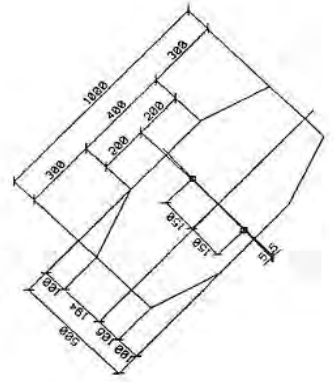
POS	MNT.	BENEVNELSE	DIMENSJONER mm			VEKT I kg	STÅLKVALITET	
			LBREDE	TYKKE	PLATE			TOTALT
71	2	PLATE	638	530	25	80	RS137-2 (F300BFN)	
72	2	PLATE	848	470	25	79	RS137-2 (F300BFN)	
73	2	PLATE	908	410	25	74	RS137-2 (F300BFN)	
74	2	PLATE	828	448	25	55	RS137-2 (F300BFN)	
75	1	PLATE	850	750	25	118	RS137-2 (F300BFN)	
76	2	PLATE	1000	500	25	188	RS137-2 (F300BFN)	
77	2	L200x200x16	2469			155	318	RS137-2 (F300BFN)
78	2	L200x200x16	2469			133	266	RS137-2 (F300BFN)
79	2	L200x200x16	5950			321	642	RS137-2 (F300BFN)
86	4	L200x200x16	2975			181	644	RS137-2 (F300BFN)
						SUM	2728	



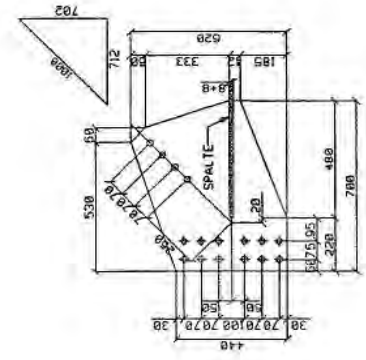
POS 72



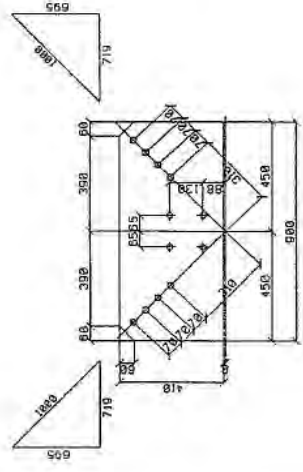
POS 74



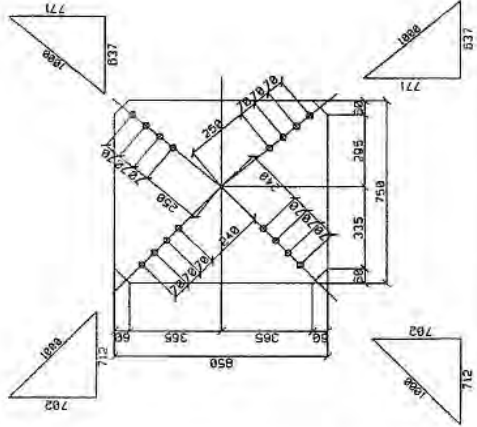
POS 76



POS 71



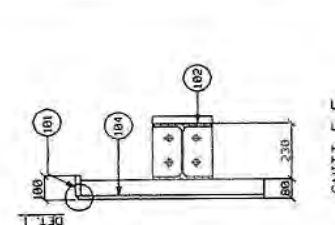
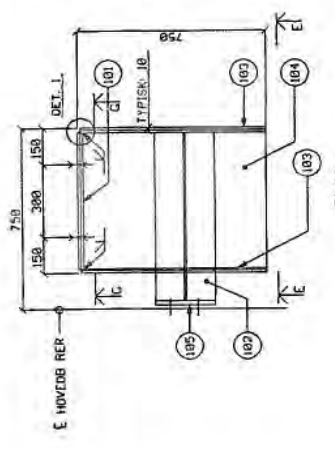
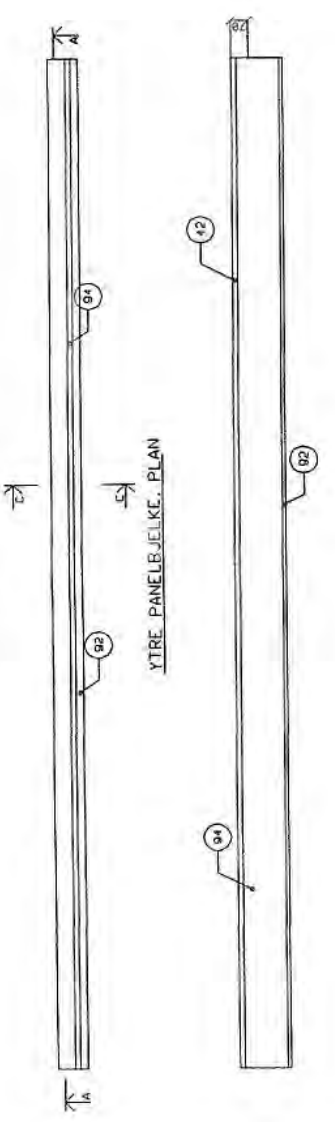
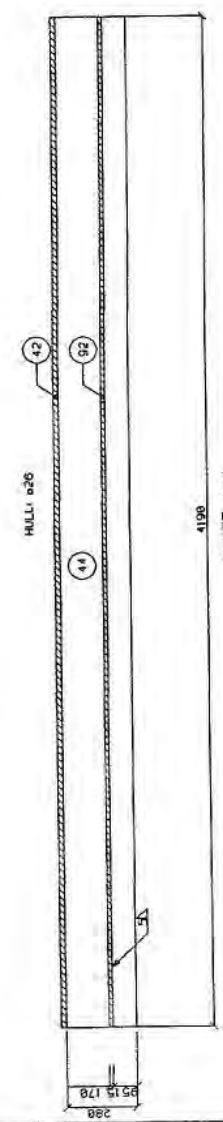
POS 73



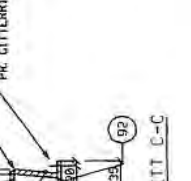
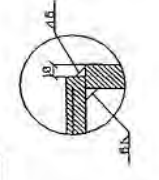
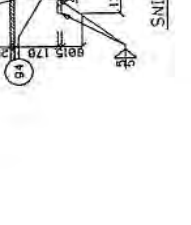
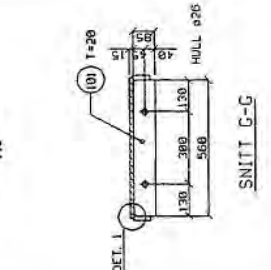
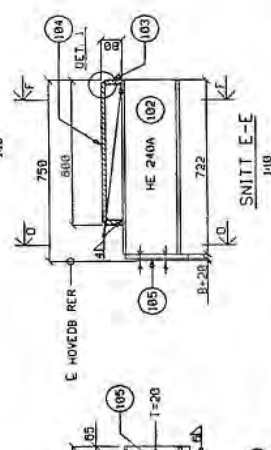
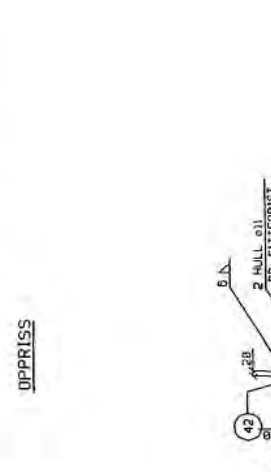
GENERELT FOR ALLE PLATER
 T=25
 MULLI ø20
 SVEISER TIL HOVEDBUELENER. 6 L
 FADVERKET ER VIST PÅ TEIENING NR. 05A

ANVENDELSE	DRUK	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON
DRUK	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON	REVISJON
STATENS VECVESEN	1110	1110	1110	1110	1110	1110	1110	1110	1110
Standard for Jakobruv 4.5 x 15	mm	mm	mm	mm	mm	mm	mm	mm	mm
FADVERK	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE	PLATER DC MATERIALLISTE
Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90	Oppdragsnr. 14/90
H. J. Østerud	D. Klippe	H. J. Østerud	D. Klippe	H. J. Østerud	D. Klippe	H. J. Østerud	D. Klippe	H. J. Østerud	D. Klippe
14/90	14/90	14/90	14/90	14/90	14/90	14/90	14/90	14/90	14/90
92	1	92	1	92	1	92	1	92	1
05-11A		05-11A		05-11A		05-11A		05-11A	

POS.	ANT.	BENEVLSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET	
			LENGDE	BREKKE			TYKK.
92	1	PLATE	4100	135	15	08	RS137-2 (F6308BFND)
94	1	PLATE	4190	170	20	114	RS137-2 (F6308BFND)
101	2	PLATE	560	95	20	8	RS137-2 (F6308BFND)
102	2	HE240 A	722	-	44	88	S102-3N (F63100D)
103	4	PLATE	748	65	20	8	RS137-2 (F6308BFND)
104	2	PLATE	748	588	15	52	RS137-2 (F6308BFND)
105	2	PLATE	258	240	28	10	RS137-2 (F6308BFND)
				SUM	442		

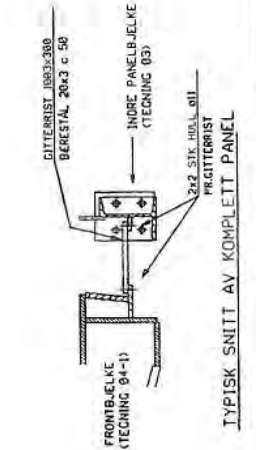


OPPRISS



YTTERPANELER

DET LAGES 2 STK. YTTERPANELER SOM ER INNBRYDES SPELVENDT.

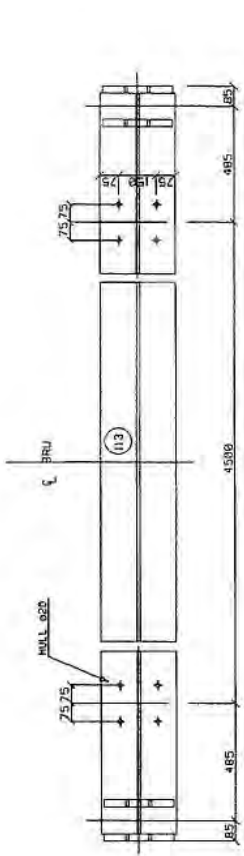


STYRE	DES. PÅG.	UAV. TILBEHØR	STYRE	D	H
STATENS	VEKSELEN	Standard fer-jelkebrua 4,5 x 15	110	110	280
		mm			
		mm			

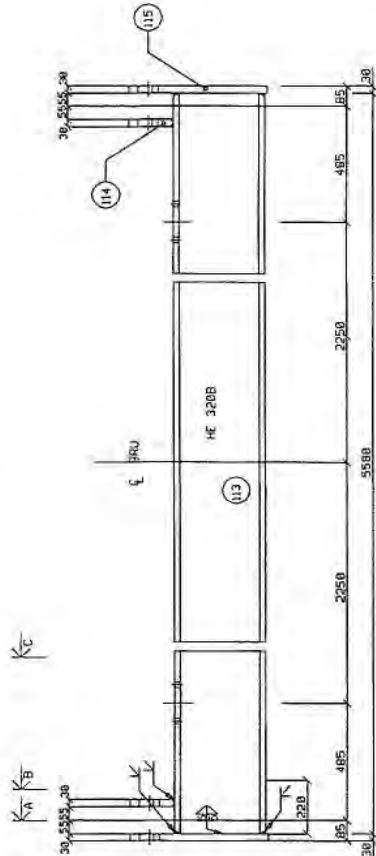
STYRE	DES. PÅG.	UAV. TILBEHØR	STYRE	D	H
PANELER	BAK	FRONTB-JELKE	110	110	280

STYRE	DES. PÅG.	UAV. TILBEHØR	STYRE	D	H
PANELER	BAK	FRONTB-JELKE	110	110	280

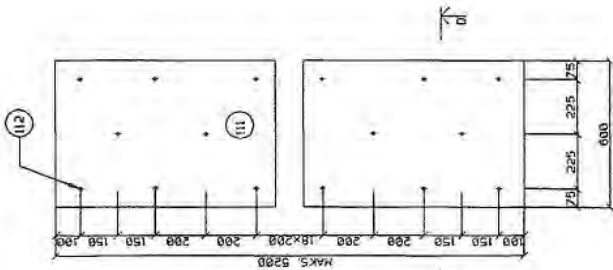
POS.	ANT.	BENEVNELSE	DIMENSJONER			MÅTT	VEKT I KG	STÅLVALTIET
			LENGDE	BREDD	TYKK.			
111	2	PLATE	4450	808	15	328	848	RSJ37-2 (Fe308BFN)
112	82	KAMSTÅL	400				29	K500T5
113	1	HE 320B	5580			709	709	S152-3M (Fe51001)
114	2	PLATE	175	288	38	12	24	RSJ37-2 (Fe308BFN)
115	2	PLATE	505	288	30	34	68	RSJ37-2 (Fe308BFN)
							SUM	1470



PLAN HEISBJELKE
110



OPPRISS HEISBJELKE
110

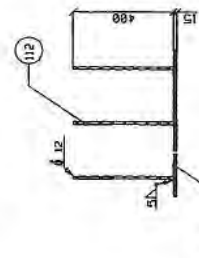


OPPRISS GLIDEPLATE
110

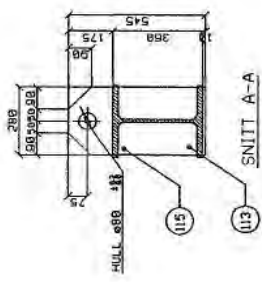
ANTALL POS 112 MÅ
LEGGES I KROKSTRUKSJONEN.
LEGGES I KROKSTRUKSJONEN
TILPASSE VALGTE NIVÅER
FOR KAI OG STOPPJELKE.
SE TEGNING 15.

BEMERKNINGER

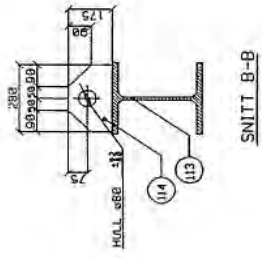
FOR FESTE FOR HYDRAULIKKYLINDER LAGES, SKAL
STÅLVERKSTED TA KONTAKT MED VEDMONNOR/
HYDRAULIKKLEVERANDØR FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN SYLINDREREN SOM SKAL BRUKES.



SNITT D-D
110

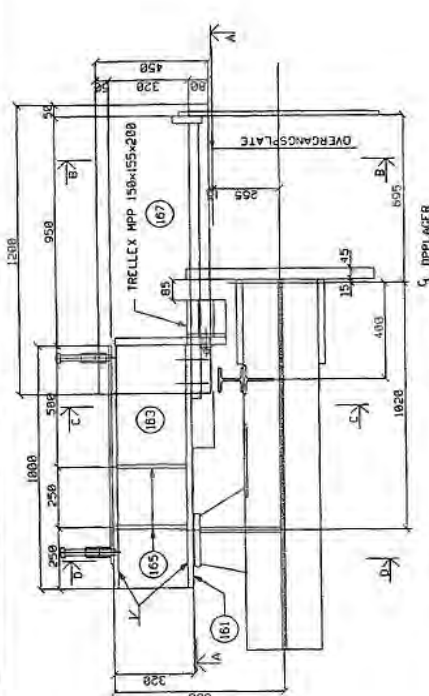


SNITT A-A
110

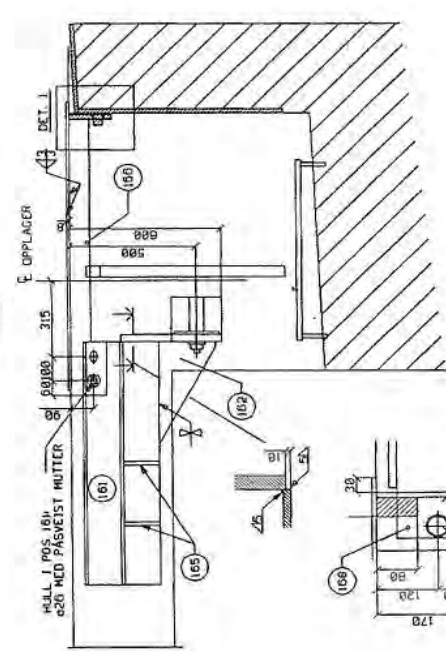


SNITT B-B
110

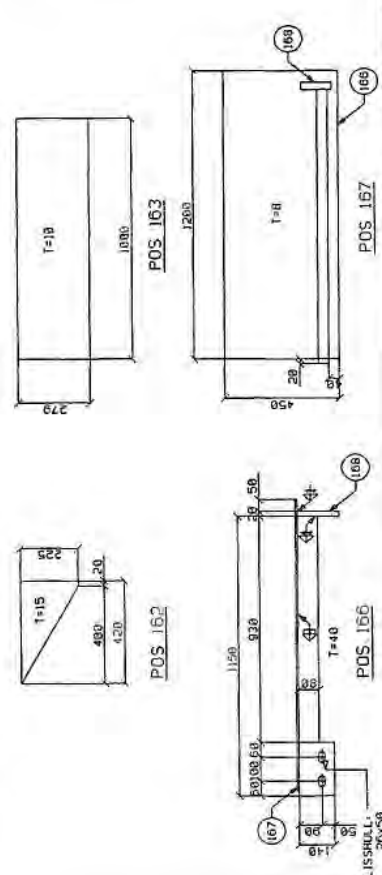
MÅTT	BY FØR	MÅTT	D	H	REF.
STATENS VEGVESEN			118	15	200302
Standard for Jernb- u 4.5 x 15			mm	15	200302
HEISEBJELKE					
INNSTØPT GLIDEPLATE					
Vegvesenets brukning. Betegn. 92					
H.T.Øderud					
0.Klipp					
92					
1					
07A					



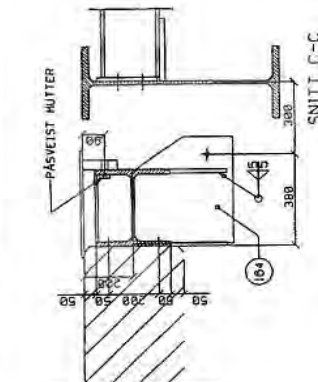
PLAN



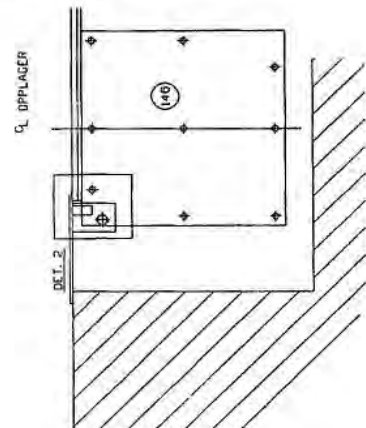
SNITT A-A



SNITT B-B

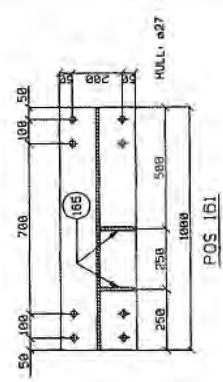


SNITT C-C



SNITT D-D

POS. ANT.	BENEVELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET
		LENGDE	BRØDDE		
161	2 HEJEREBB	1800	-	127	254 RSL37-2 (F3008F10)
162	4 PLATE	420	225	11	44 RSL37-2 (F3008F10)
163	2 PLATE	1800	275	10	44 RSL37-2 (F3008F10)
164	2 PLATE	445	400	38	84 RSL37-2 (F3008F10)
165	4 PLATE	279	144	5	20 RSL37-2 (F3008F10)
166	2 PLATE	1150	140	40	102 RSL37-2 (F3008F10)
167	2 TAREPLATE	1200	450	8	70 RSL37-2 (F3008F10)
168	2 PLATE	170	120	28	0 RSL37-2 (F3008F10)
ANTALL GJELDER FOR BEGGE SIDER.				SUM	624



POS I61

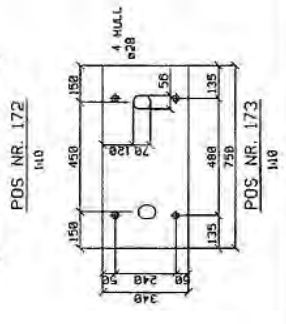
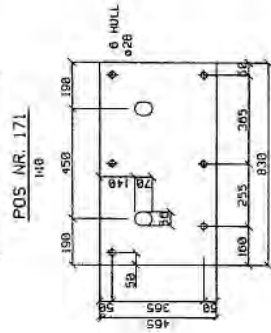
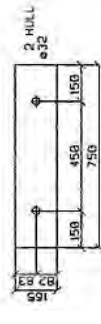
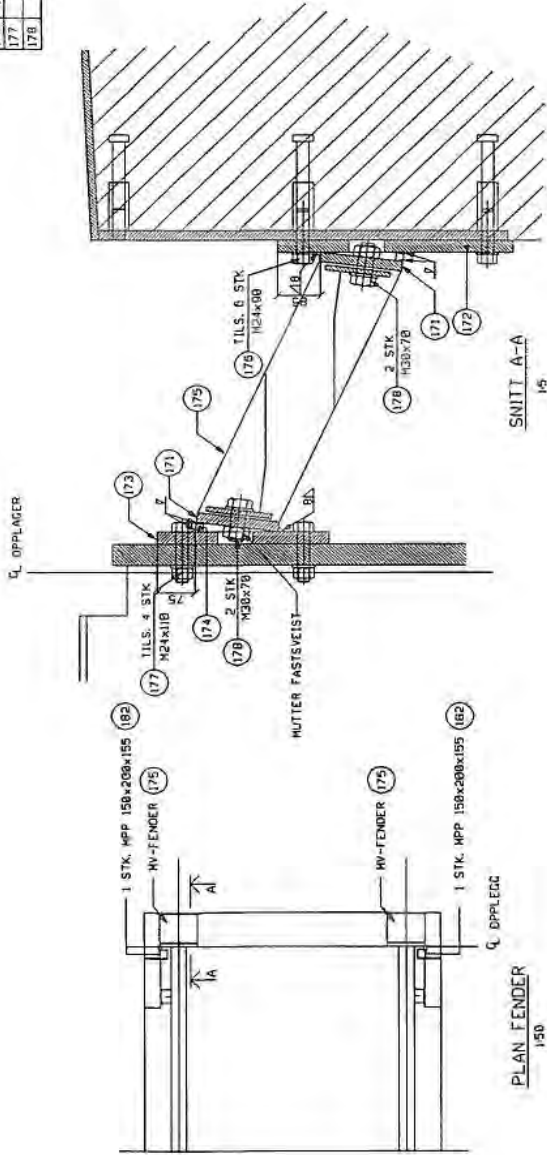
ØBS. KONSOLLER OG DEKKEPLATER PÅ HVOR SIDE ER INNBRYDES SPEILVENDT.

DET TAS HÅL MELLOM BRUGSØSNER SIDER FØR PRODUKSJON AV KONSOLLER. HVIS TO ER ANSØKT, SÅ ANGITTE PÅ TEIINGEN I5 IKKE OVERHOLDNES. HÅ KONSOLLMÅLENE JUSTERES TILSVAREND.

DRØTT. REV. NO.	REV.	INTESS	DRØTT. NO.	DRØTT. NO.	DRØTT. NO.
161	1	1	1	1	1
162	1	1	1	1	1
163	1	1	1	1	1
164	1	1	1	1	1
165	1	1	1	1	1
166	1	1	1	1	1
167	1	1	1	1	1
168	1	1	1	1	1

SLISSMÅLE 20x20

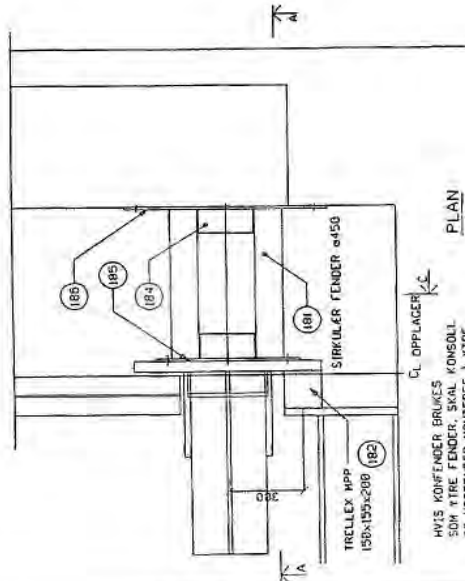
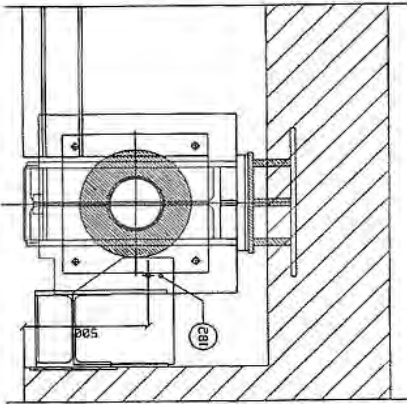
POS.	ANT.	BENEVELSE	DIMENSIONER ENH VÆKT I KG		STÅLKVALITET			
			Længde	Træk		Indstyk	Totalt	
171	4	PLATE	750	105	20	80	R5C37-2	FF-300BFN
172	2	PLATE	630	465	25	77	R5C37-2	FF-300BFN
173	2	PLATE	750	340	25	51	R5C37-2	FF-300BFN
174	4	PLATE	750	20	15	2	R5C37-2	FF-300BFN
175	2	FENDER HV 550x200x155	-	-	-	-	-	TRELLEN KYAL. A
176	12	SKRUE R24x110	-	-	-	-	-	-
177	8	SKRUE R30x70	-	-	-	-	-	-
178	8	SKRUE R30x70	-	-	-	-	-	-
						SUM		340



FOR POS NR. 182 OG 183, SE TEKNING NR. 090.

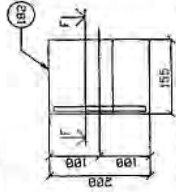
DoLO	RELISSE	b	a	REISEL	REK.
STATENS VEGVESEN		100	100	100	200202
Standard for jernbani 4,5 x 15		100	100	100	200202
HV-FENDER		100	100	100	200202
Vægtaktuelle beregning, Omskift 08		100	100	100	200202
H.T. Dolerud (egn)		100	100	100	200202
O.Klepper (egn)		100	100	100	200202
92		1	09-II		

CL YTRE HOVEDJELKE

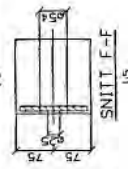


HVIS KONFEMNER BRUKES
SOM YTRE FENDER SKAL KONSOLL
OG MOTFENDER MONTERES I YTRE
STILLING.

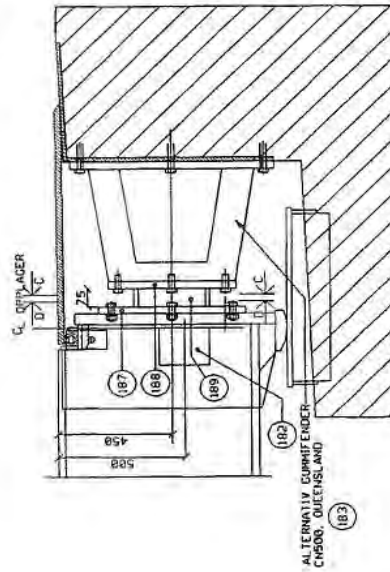
PLAN
110B



FENDER MPP 150x200x155



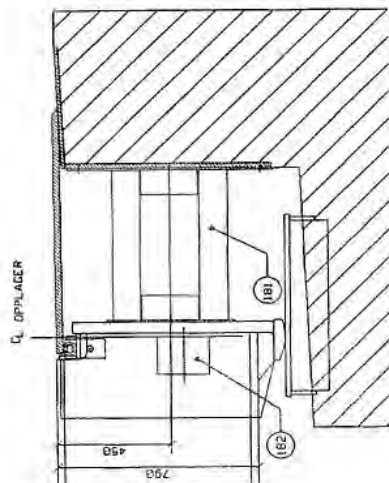
SNITT F-F
15



ALTERNATIV KONFEMNER
CH800, DUEKNSLÅD

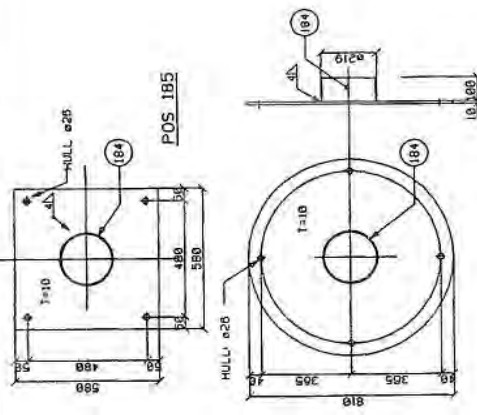
SNITT A-A
HOVEDJELKE M/ FENDER

SOM ALTERNATIV YTRE FENDER
KAN BRUKES KONFEMNER CH800 RED
STRØKORDNINGSE TIL HOVEDJELKE

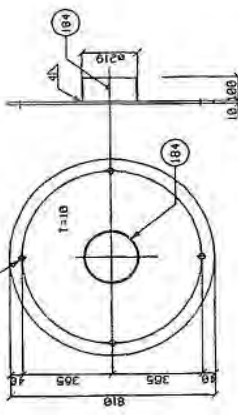


SNITT A-A
HOVEDJELKE M/ FENDER
(SIDESTYRING IKKE INNEGNET)
110

ALLE SKRIVER M24.



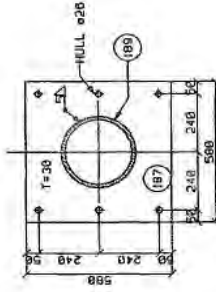
POS 185



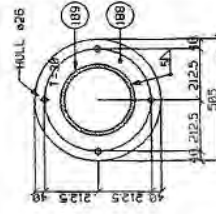
POS 186

POS.	ANT.	BENEVELSE	DIMENSJONER mm			VEKT I kg	STÅLKVALITET
			LENGDE	BREDD	TYKK.		
181	2	KUMPFENDER Ø450	815	-	-	-	-
182	2	KUMPFENDER MPP	155	150	200	-	-
184	4	SØR. Ø219	100	-	6	3	12 RSL37-2 (f. 6300-B)
185	2	PLATE	580	500	18	28	56 RSL37-2 (f. 6300-B)
186	2	PLATE Ø810	-	-	-	52	104 RSL37-2 (f. 6300-B)

SUM, ALTERNATIV SYLINDERFENDER OG KONFEMNER 172



SNITT D-D

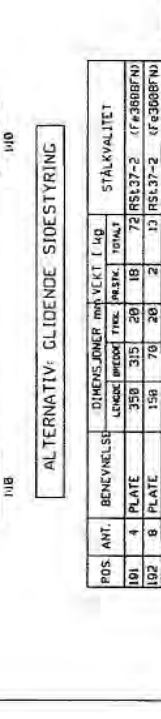
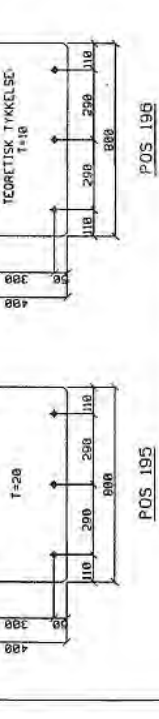
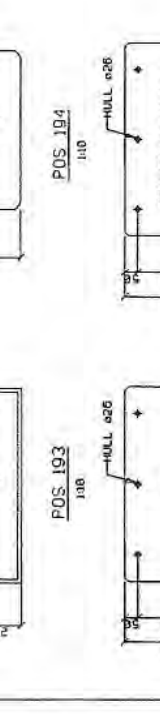
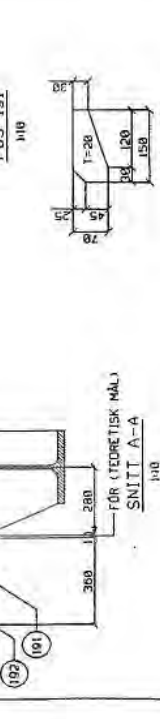
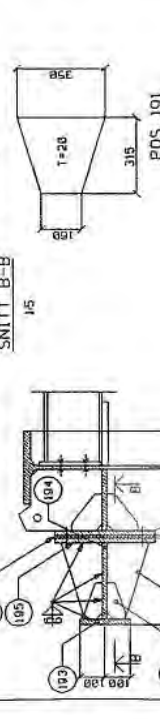
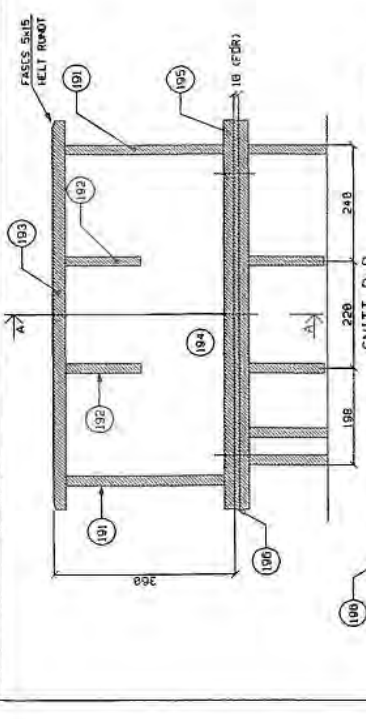


SNITT E-E

POS.	ANT.	BENEVELSE	DIMENSJONER mm			VEKT I kg	STÅLKVALITET
			LENGDE	BREDD	TYKK.		
182	2	KUMPFENDER MPP	105	150	200	-	-
183	4	KUMPFENDER CH800	500	500	30	81	102 RSL37-2 (f. 6300-B)
188	2	PLATE Ø505	-	-	30	61	123 RSL37-2 (f. 6300-B)
189	2	RØR. Ø200,5	75	-	10	9	103 RSL37-2 (f. 6300-B)

SUM, ALTERNATIV BARE KONFEMNER 302

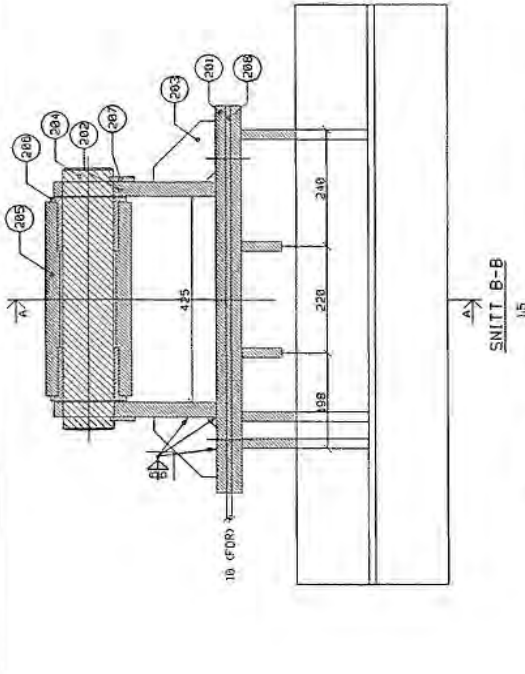
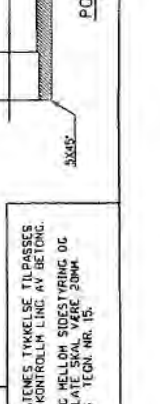
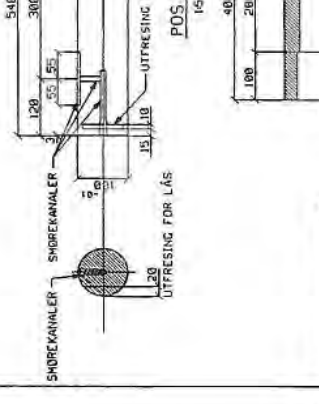
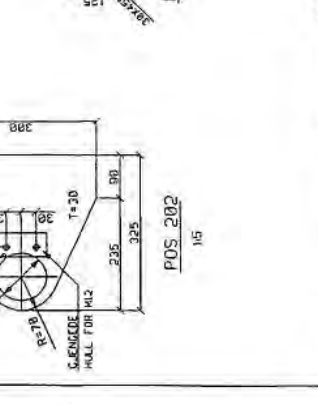
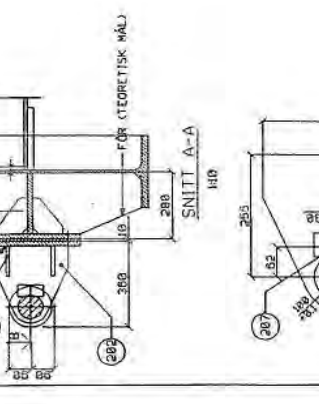
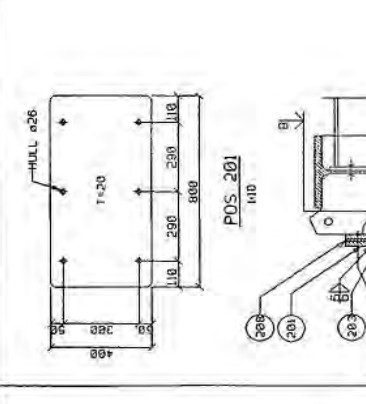
BRUKS	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.	DRY. DRØB.
STATENS VEGVESEN									
Standard for Jernbru 4.5 x 15									
FENDER									
Veggsikringsanordning Ø60x400									
MT Beskrud									
Ø40									
92									
1									
99-IVa									



ALTERNATIV: GLENDE SİDESTYRING

POS. ANT.	BENEVELSE	DIMENSJONER mm Vekt i kg		STÅLKVALITET		
		LENGDE	TØKKELSE			
190	PLATE	358	315	18	72 RSL37-2 (σ _e 300BFN)	
192	PLATE	158	70	20	2	13 RSL37-2 (σ _e 300BFN)
193	PLATE	888	280	25	32	84 RSL37-2 (σ _e 300BFN)
194	PLATE	608	315	20	30	80 RSL37-2 (σ _e 300BFN)
195	PLATE	808	480	20	51	102 RSL37-2 (σ _e 300BFN)
196	PLATE	868	480	18	25	58 RSL37-2 (σ _e 300BFN)
				SUM	307	

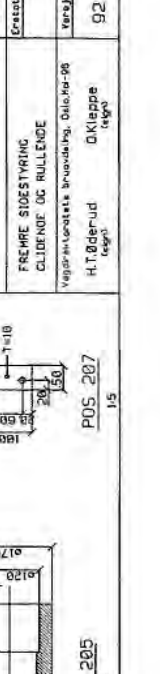
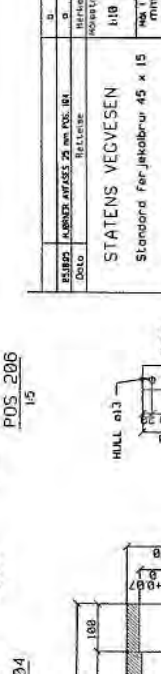
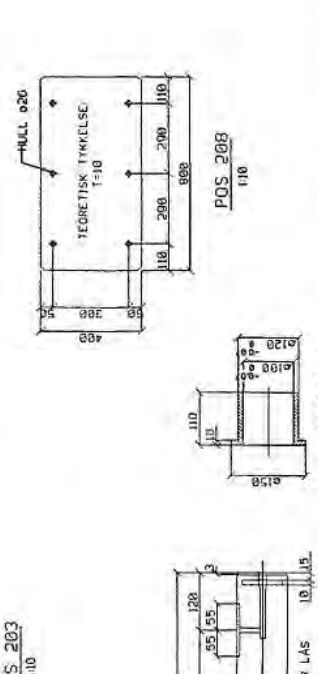
ANTALL GJELDER FOR 2 STK. ENHETER



ALTERNATIV: RULLENDE SİDESTYRING

POS. ANT.	BENEVELSE	DIMENSJONER mm Vekt i kg		STÅLKVALITET		
		LENGDE	TØKKELSE			
201	PLATE	400	20	51	102 RSL37-2 (σ _e 300BFN)	
202	PLATE	380	325	23	52 RSL37-2 (σ _e 300BFN)	
203	PLATE	125	125	15	2	15 RSL37-2 (σ _e 300BFN)
204	2 ANSLINGE ø100	540	-	33	86 SYREFAST S152343	
205	2 RINGSØR 170/110	480	-	42	84 S152-311 (σ _e 5100D)	
206	FOR-RING ø150	110	-	9	36 METALLFORING	
207	PLATE AKSLLAS	180	58	10	2 RSL37-2 (σ _e 300BFN)	
208	PLATE	800	400	18	25	50 RSL37-2 (σ _e 300BFN)
				SUM	447	

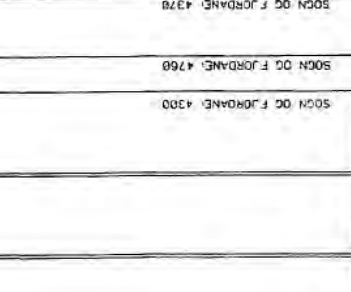
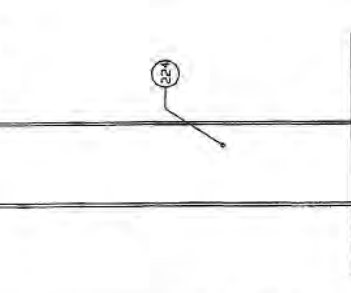
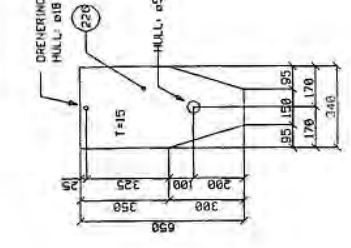
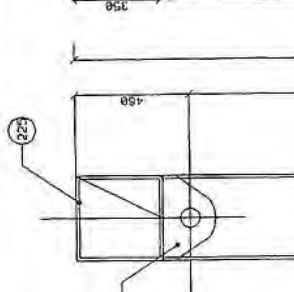
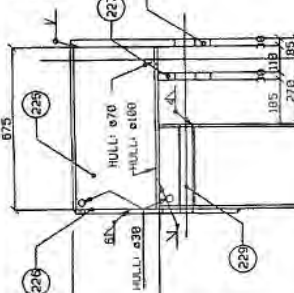
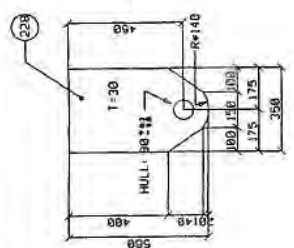
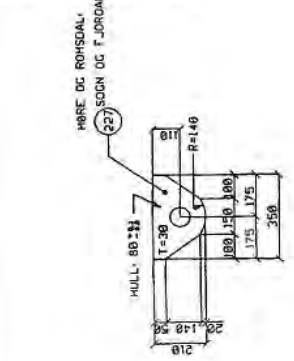
ANTALL GJELDER FOR 2 STK. ENHETER



MÅTTILGANG	MÅTTILGANGS NR. OG BES. BET.	MÅTTILGANGS	S.	O.	M.	K.T.C.
		STATENS VEGVESEN	118			200502
		Standard Ferjekolbrev 45 x 15				200502
		FREMRE SİDESTYRING	mm			
		GLENDE OG RULLENDE	mm			
		FREMRE SİDESTYRING	mm			
		GLENDE OG RULLENDE	mm			
		Vejgjer og Løsteteks Bruksholding, Oslo, 04.06.98				
		H.T.Øderud				
		OKlagge				
			92	1		10A

FÖRPLÄTENS TØKKELSE TILPASSES ETTER KONTROLL LING AV BETONG. KLARING MELLOM SİDESTYRING OG GLENDEPLATE SKAL VÆRE 20MM. SE 005 TEKN. NR. 15.

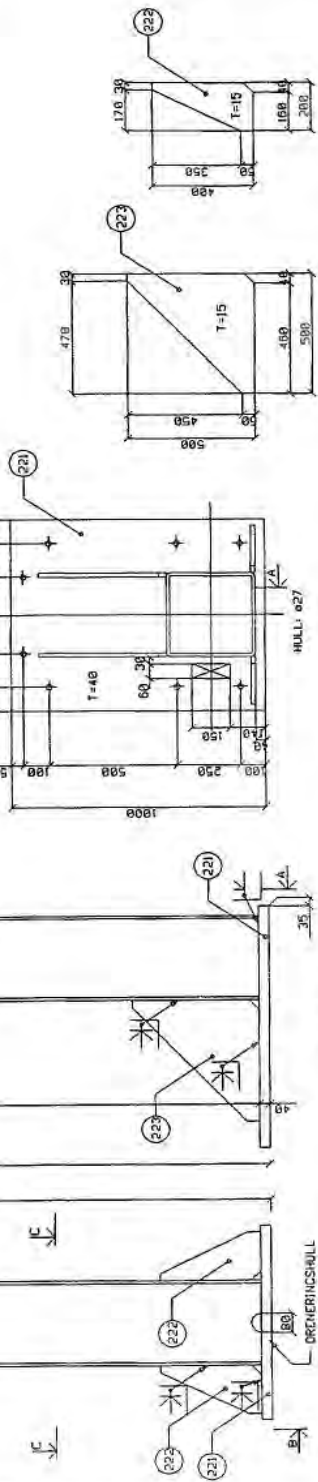
POS.	ANT.	BENÆVNELSE	DIREKTSJØNER mm	VEKT I kg	STÅLKVALITET			
		LONDE	BRØD	TRÆ	PRÆST.	TOTAL		
221	2	PLATE	1800	800	40	256	S152-3N	(F#51001)
222	4	PLATE	400	200	15	10	RS137-2	(F#3008FND)
223	4	PLATE	500	500	15	30	RS137-2	(F#3008FND)
224	2	HUP	350x12	5452	-	579	RS152-3N	(F#51001)
225	2	HUP	350x12	4808	-	542	RS152-3N	(F#51001)
226	2	PLATE	650	340	15	27	RS137-2	(F#3008FND)
227	2	PLATE	350	210	30	16	RS137-2	(F#3008FND)
228	2	PLATE	500	350	38	47	RS137-2	(F#3008FND)
229	2	RØR	ø53,1x8	335	-	3	RS137-2	(F#3008FND)
				SØGN OG F. JØRÐANE	SUM	2187		
				SØGN	SUM	2113		



BEMÆRKNINGER

HÆRSETJÆRNETS HVORRE ER HØRRETTET, VED ÅLAGE NIVA PÅ KAT- OG LANDMÅK MÅ HØYDEN TILPASSSES. SE TECHNIC NR. 15.

FØR FESTE FOR HYDRAULIKSYLINDER LAGES. SKAL STÅLKØRSTEV TO KONTRAKT MED VEDKØRSTEV/ HYDRAULIKKØRSTEV FOR Å KONTROLLERE AT FÆSTET PASSER TIL DEN SYLINDEREN SOM SKAL BRUKSES.



Date	Revision	Byggetid	Byggetid	Byggetid	Byggetid
		1/20	Kr. PS	26.03.02	
			mm	Trockelr.	
				Erstatning for.	

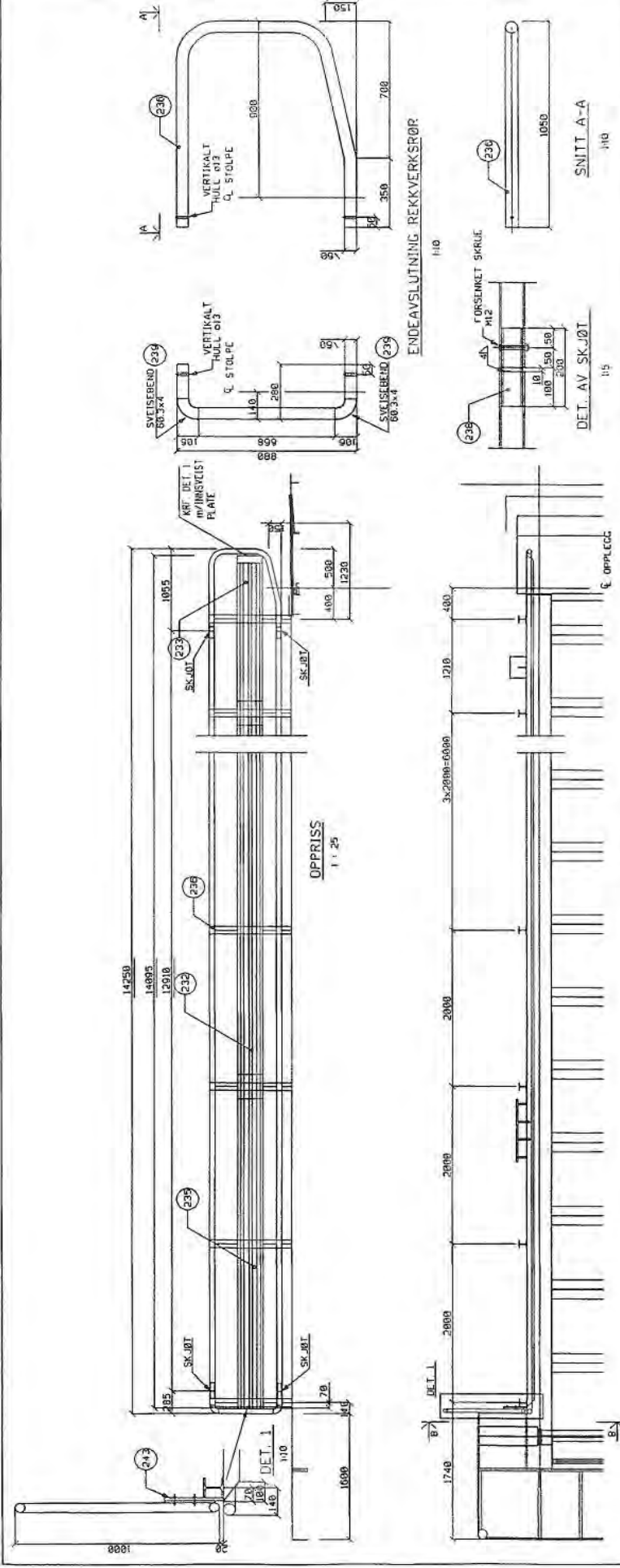
STATENS VEGVESEN
Standard for Jøkebruv 45 x 15

HÆRSETJÆRN

Vegvaterolets Bruddnr. 040365-00

H.T.Øderud

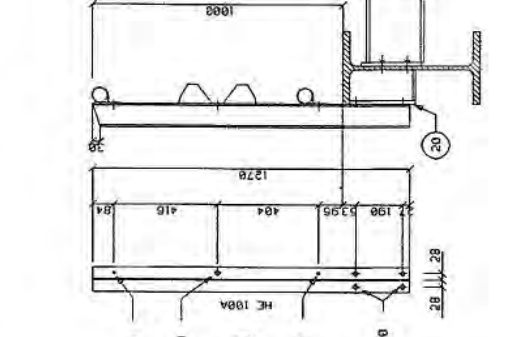
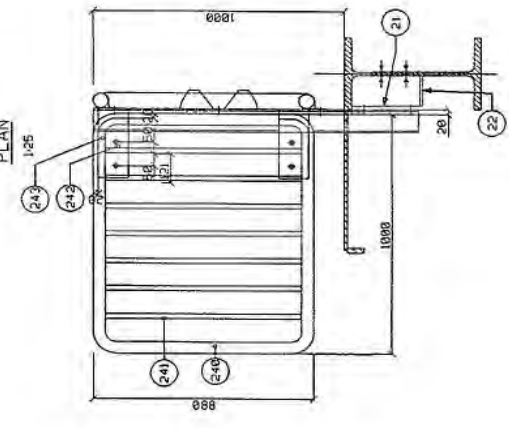
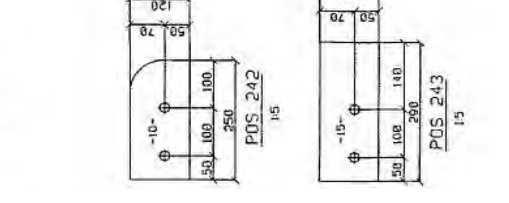
92 1 11



POS. ANT.	BENEWNELSE	DIM. mm	VEKT I kg	STÅLKVALITET
231	HE 100A	1276	21	RSL37-2 (Fe360BFN)
232	STANDARD REKKVERKSØR	4310	49	RSL37-2 (Fe360BFN)
233	ENDESTYKKE / SKINNE	2182	23	RSL37-2 (Fe360BFN)
235	ENDESTYKKE / SKINNE	4228	49	RSL37-2 (Fe360BFN)
236	GENGERØR Ø6.3x3.0	Ø1111	3	RSL37-2 (Fe360BFN)
237	FESTECLEMPER	2000	1	RSL37-2 (Fe360BFN)
238	GENGERØR 5x3.0	Ø1111	4	RSL37-2 (Fe360BFN)
239	SVETSEBØD Ø6.3x4	Ø1111	1	RSL37-2 (Fe360BFN)
240	RØR Ø48.3 x 3.0	Ø48.3	2	RSL37-2 (Fe360BFN)
241	RANDSTÅL Ø20	783	2	RSL37-2 (Fe360BFN)
242	PLATE 10x280x120	10x280x120	4	RSL37-2 (Fe360BFN)
243	PLATE 15x280x120	15x280x120	4	RSL37-2 (Fe360BFN)
SUM			1102	

BEKOMMING:
REKKVERKSØRERES CFWAR LØGDES
MED TÅNKE PÅ HØYRETRAKTIV

NO. 2021	BYG. NO. 1	RETTINGS	NO. 2	NO. 3	NO. 4
STATENS VEGVESEN					
Standard for Jøkbøløy 4.5 x 15					
BRUKREKKEVERK					
Vegarsidetata Bruening, Onojar-Ø6					
H.T.Øderud					
91	1	12A			



SNITT B-B
1:10
SVETSEBØD 4

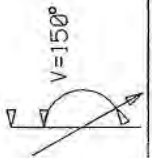
TYPISK SNITT
1:10

OVERSIKT OVER SKRUER

KONSTRUKSJONSDEL	DIMENSJON	FASTHETS- KLASSE	ANTALL	REF. TEGN.
FRONTBJELKE	M24x80	8.8-NS5750	24	04
FRONTBJELKE	M24x75	8.8-NS5750	12	04
TVERRBJELKER	M24x65	8.8-NS5750	112	03
TVERRBJELKER	M24x85	8.8-NS5750	8	03
FAGVERK	M24x75	8.8-NS5750	92	05
PANELER	M24x70	8.8-NS5750	22	06
PANELER	M24x75	8.8-NS5750	4	06
HEISEBJELKE	M24x85	8.8-NS5750	8	07
BAKRE TVERRBJ.	M24x80	8.8-NS5750	12	08
BAKRE TVERRBJ.	M24x65	8.8-NS5750	8	08
OVERGANGSPATE	M24x80	8.8-NS5750	2	08
DEKKPLATE	M24x95	8.8-NS5750	2	09
FREMRE SIDESTYRING	M24x85	8.8-NS5750	12	10
FREMRE SIDESTYRING	M12x30	8.8-NS5750	4	10

DIMENSJONER ETTER NS 5720/NS 5721
 OG FASTHETSKLASSE 8.8 IFLG. NS 5750.
 SEKSKANTMUTTERE IFLG. NS 5730
 OG FASTHETSKLASSE 8.8 IFLG. NS 5751.
 UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDEHET HB 200.
 SKRUER, MUTTERE OG SKIVER SKAL V RE I VARMFORSIKNET UTFØRELSE.
 ALLE SKRUER SKAL HA UNDERLAGSSKIVER UNDER HODE OG MUTTER.

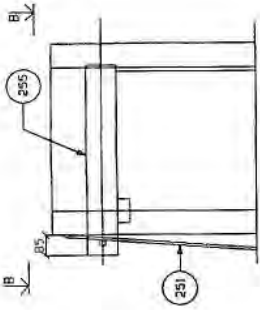
TILSETTING AV SKRUER.
 SKRUENE SETTES FAST TIL FOR HAND MED VANLIG NØKKEL SLIK AT
 TILSTØTENDE FLATER LIGGER TETT SAMMEN. (SNUG-TIGHT)
 PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
 PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
 I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EV. SKRUEN)
 EN VINKEL $v=150^\circ$



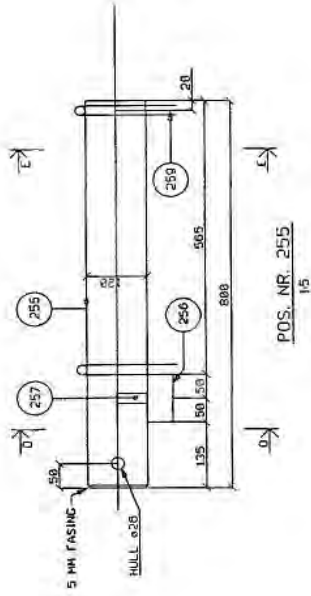
I TILLEGG KOMMER SKRUER TIL
 GITTERRISTER, REKKVERK OG FENDERE.

Dato		Rettelse		b		
				a	Merke	Rettet
				Målestokk		Ktr.
STATENS VEGVESEN				Tegn.MAF		26.02.92
Standard for jekkebru: 4,5 x 15				Ktr. PS		26.02.92
				Mø i		
				mm		
				Trac.ktr.		
				Erstatning for.		
SKRUER, MUTTERE OG SKIVER.						
Vegdirektoratets bruavdeling, Oslo, Moi-96				Versjon		St. nr.
H.T.Øderud (sign)		0.Kleppe (sign)		92		1
						14
						Bl. nr.

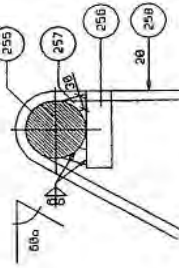
POS.	ANT.	BENEVLSE	DIMENSJONER mm		VEKT kg	STÅLKVALITET
			LENGDE	TR. / TR. / TR.		
251	2	PLATE	1880	10	17	34 SLS-3 (FeS1001)
252	4	PLATE	184	8	1	4 SLS-3 (FeS1001)
253	2	SKRUE M20x130	-	-	-	2,8,8
254	2	SKRUE M20x135	-	-	-	2,8,8
255	2	RUNDSTAL ø120	800	-	-	1,2 SLS-3 (FeS1001)
257	2	PLATE	100	100	0	12 SLS-3 (FeS1001)
257	4	PLATE	50	30	20	1 SLS-3 (FeS1001)
258	4	KANSTÅL ø20	1800	-	-	4 16 K50015
					SUM	213



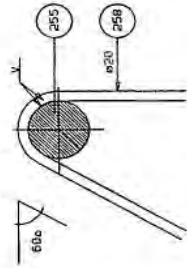
SNITT A-A
1/10



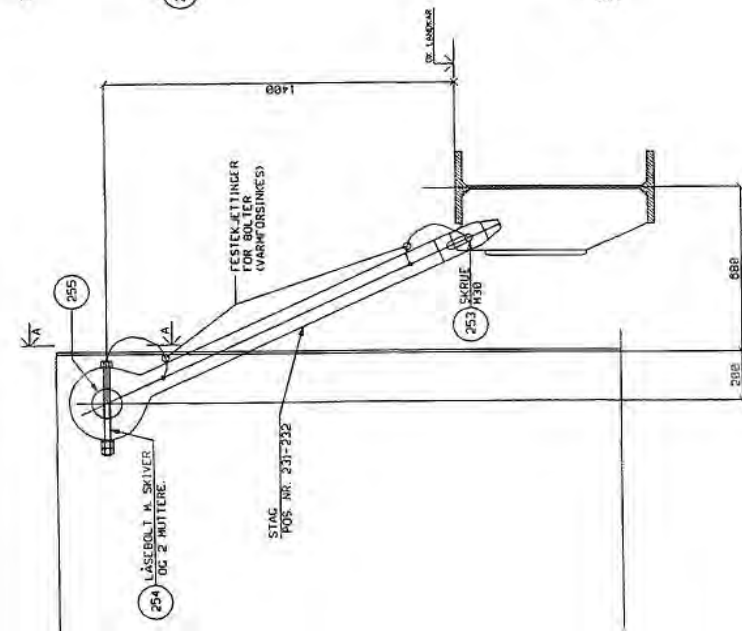
SNITT B-B
1/10



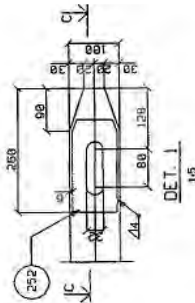
SNITT D-D
1/5



SNITT E-E
1/5



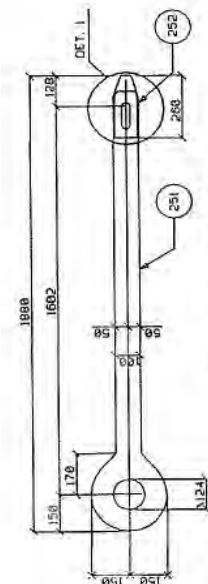
OPPRISS MOT FRONTSØYLE
1/10



DET. I
1/5



SNITT C-C
1/5



POS. NR. 251-252
1/10

BEMERKNING:
1. BRUOPPHENDET LAGES I SPELLENDT UTFØRELSE FOR
MOTSATT FRONTSØYLE.

PROJ. DIV. / DR. / DATE	REVISJON	BYGGER	BYGGER	BYGGER	BYGGER
	1	STATENS VEGVESEN	Standard for jelekatrui 45 x 15		
		BRUOPPHENG FOR VEOLIKEHOLD			
		Vegdriftsstatens innvevling, Oslo, nr. 200			
		HT-Østerud (sign)			
		ØKjeppa (sign)			
		92			
		1			
		17A			

STANDARD FERJEKAIBRU

4,5 x 18 m.

(2)

STANDARD FERJEKAIBRU, 4.5 x 18 m.

(Std. nr. 2)

TEGNINGSLISTE

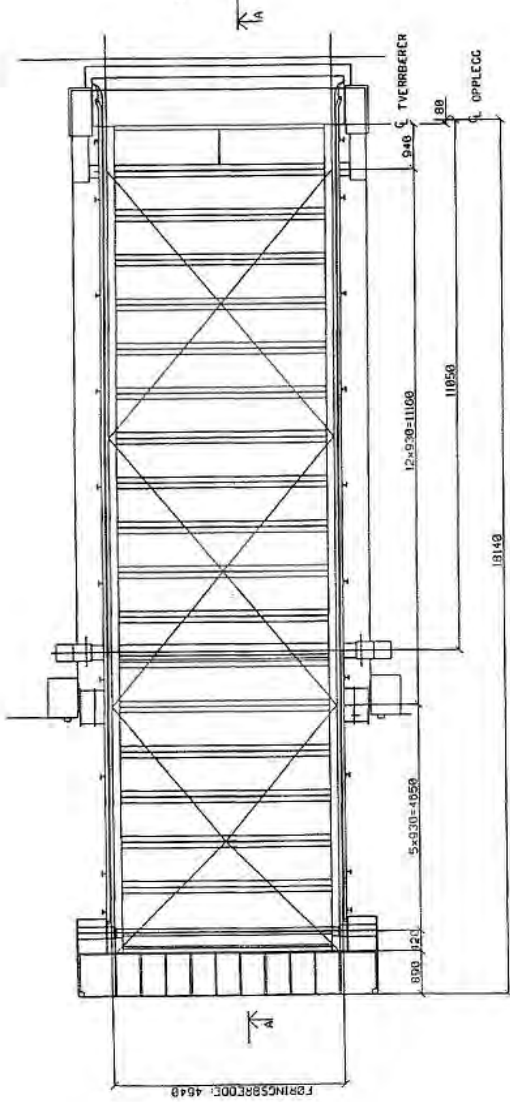
Bl. nr. 01B	Oversikt
Bl. nr. 02-IB	Hovedbjelker med detaljer
Bl. nr. 02-IIIA	Hovedbjelker, plater og materialliste
Bl. nr. 03	Tverrbjelker
Bl. nr. 04-IB	Frontbjelke med detaljer
Bl. nr. 04-IIB	Frontbjelke, plater og materialliste
Bl. nr. 05-I	Fagverk, plan og detaljer
Bl. nr. 05-IIA	Fagverk, plater og materialliste
Bl. nr. 06A	Paneler bak frontbjelke
Bl. nr. 07A	Heisebjelke, innstøpt glideplate
Bl. nr. 08A	Bakre tverrbjelke, overgangsplate
Bl. nr. 09-IB	Innstøpningsgods ved landkar, brulagre
Bl. nr. 09-IIA	Konsoll og dekkplate ved landkar
Bl. nr. 09-III	MV-fender
Bl. nr. 09-IVA	Fendere
Bl. nr. 10A	Fremre sidestyring, glidende og rullende
Bl. nr. 11	Heisetårn
Bl. nr. 12B	Brurekkverk
Bl. nr. 13	Gitterrister
Bl. nr. 14	Skruer, muttere og skiver
Bl. nr. 15	Betongmål brubås
Bl. nr. 16	Utstyr
Bl. nr. 17A	Bruoppheng for vedlikehold

TEKNIKG-/MATERIALLISTE

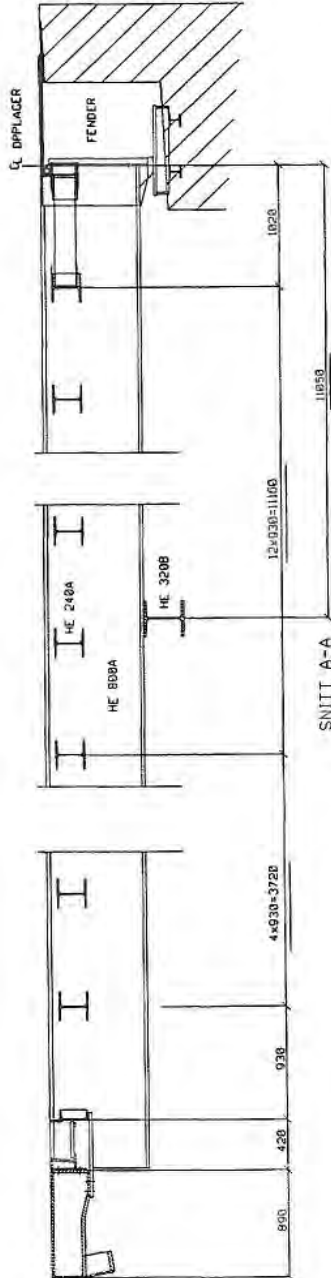
BL. NR.	KONSTRUKSJONSDELER	POS. NR.	VEKT I KILO
62A,62C	UNNFORBEJLER	1-23	9018
63A,63B	TVERRBEJLER	31-38	5009
64A,64B	FRONTBEJLER	41-52	3612
65A,65B	FANVERK	71-80	2473
66	PANELER BAK FRONTBEJLER	91-108	442
67	HEISEBJELKE, CLIDEPLATE, F.SIDE ST.	111-116	1577
68	BAKRE TVERRBJ. OVERGANGSPLATE	121-131	1438
69A	INNSTODS VED LANDKAR, LAGRE	141-158	624
69B	KONSOLL OG DEKORPLATE VED LANDKAR	161-168	442
10	HEISESTRING, TRULL	201-208	2381
11	HEISELARN	221-229	2335
	SUM NORD-NORGE		26911
	SUM TRONDLAG		27855

BL. NR.	UTSTYR MH.	POS. NR.
90C	NV-FENDER	171-178
90D	FENDRE	181-189
12	BRUKKAVERK	201-203
13	GITLERKISTER	231-243
14	SKOGERKUTTERE OG SNIYER	
15	UTSTYR, BRUGS	
16	UTSTYR	
17	BRUPPENG, FOR VEDLEKEHOLD	251-258

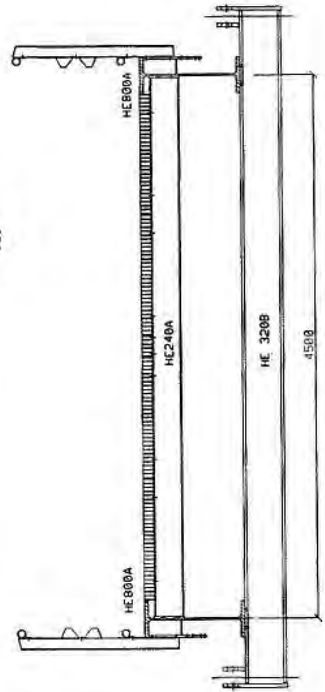
KRAV TIL BETONGKONSTRUKSJONEN, KFR. 15 BETONGMÅL BRUGS.



PLAN
1-50

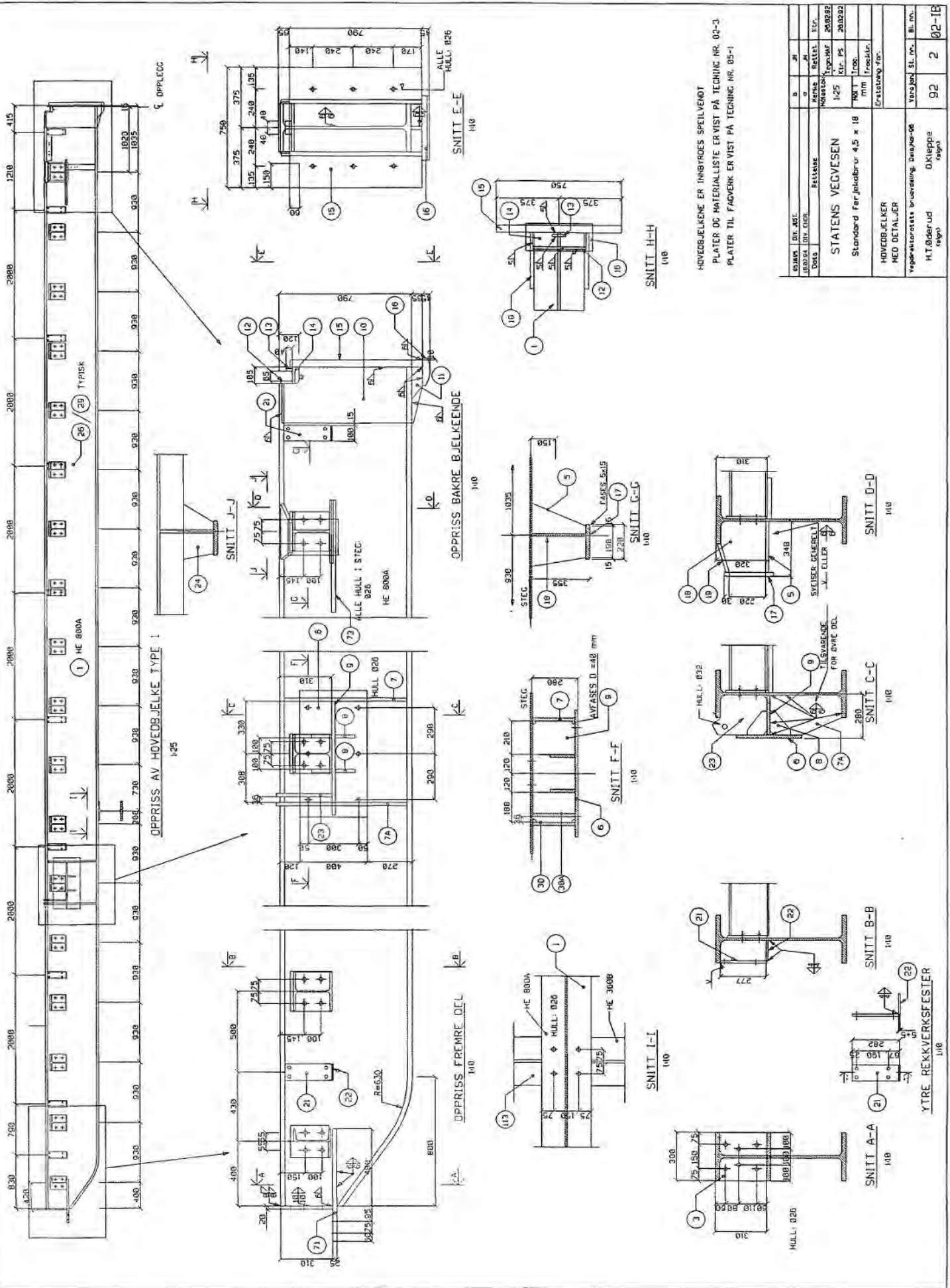


SNITT A-A
1:20



TVERRSNITT
1:20

SÅRIS FOR MATERIALISTE		D	H
BRUN	ØVL. DOK.	Rekke	Rettel. ZLP.
STATENS VEGVESEN		150	200292
Standard for Jernbbru 4.5 x 18		120	KV. P5 200292
		100	mm
			Trasler.
			Erstatning for.
OVERSIKT			
Veggekonstruksjonsbrevdeling, dato/rev-08			
H.T.Østerud	Dikleppe	0,2	2
(sgp)	(sgp)		01B



HOVEDBELTJENE ER INNGYRDES SPELVENHØT
PLATER OG MATERIALISTE ER VIST PÅ TECNING NR. 02-3
PLATER TIL FAGVERK ER VIST PÅ TECNING NR. 05-1

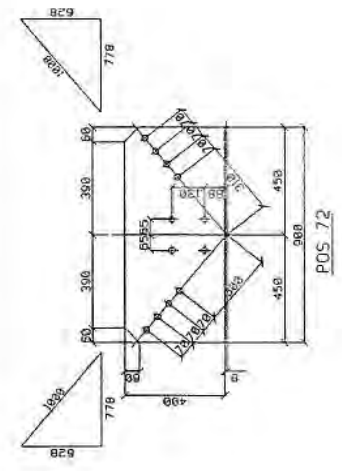
BYGGNING		BYGGETID		BYGGKOST		BYGGHØI	
NR.	BYGGETID	NR.	BYGGETID	NR.	BYGGETID	NR.	BYGGETID
1	1925	2	1926	3	1927	4	1928
5	1929	6	1930	7	1931	8	1932
9	1933	10	1934	11	1935	12	1936

STATENS VECVESEN		BYGGNING		BYGGKOST		BYGGHØI	
NR.	BYGGKOST	NR.	BYGGKOST	NR.	BYGGKOST	NR.	BYGGKOST
1	20000	2	20000	3	20000	4	20000
5	20000	6	20000	7	20000	8	20000
9	20000	10	20000	11	20000	12	20000

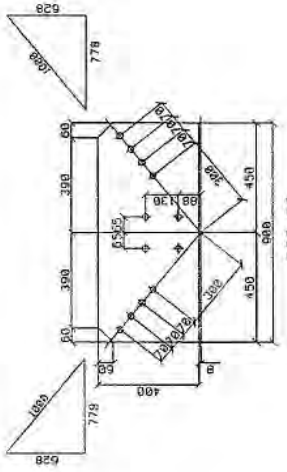
HOVEDBELTJE MED DETALJER		BYGGNING		BYGGKOST		BYGGHØI	
NR.	BYGGKOST	NR.	BYGGKOST	NR.	BYGGKOST	NR.	BYGGKOST
1	10000	2	10000	3	10000	4	10000
5	10000	6	10000	7	10000	8	10000
9	10000	10	10000	11	10000	12	10000

POS. ANT.	BEFÆLSELSE	DIMENSJONER mm			VEKT i kg	STÅLKVALITET	
		LØSSE	INDSÆT	TAG.			
71	2 PLATE	788	828	25	87	RSL37-2 (F 63088FN)	
72	2 PLATE	900	488	25	72	144 RSL37-2 (F 63088FN)	
73	2 PLATE	900	488	25	72	144 RSL37-2 (F 63088FN)	
74	2 PLATE	688	488	25	54	108 RSL37-2 (F 63088FN)	
75	1 PLATE	888	748	25	118	118 RSL37-2 (F 63088FN)	
76	2 PLATE	1008	548	25	108	216 RSL37-2 (F 63088FN)	
77	2 L 208x288x18					140	280 RSL37-2 (F 63088FN)
78	2 L 208x288x18					154	308 RSL37-2 (F 63088FN)
79	2 L 208x288x18					322	644 RSL37-2 (F 63088FN)
80	4 L 208x288x18					152	608 RSL37-2 (F 63088FN)
						SUM	2713

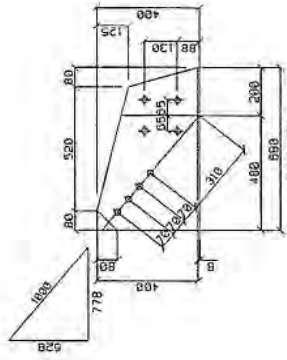
POS 80 2 OG 2 STK BØRES INNBYSIDES SPELVEDDI.



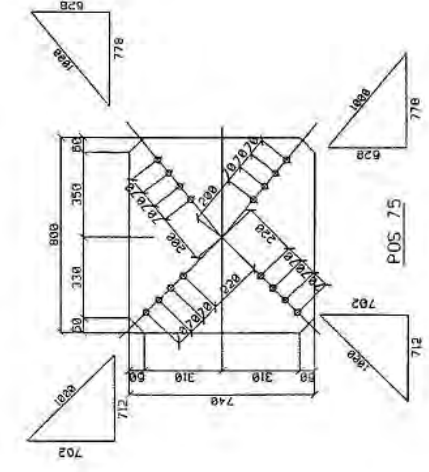
POS 71



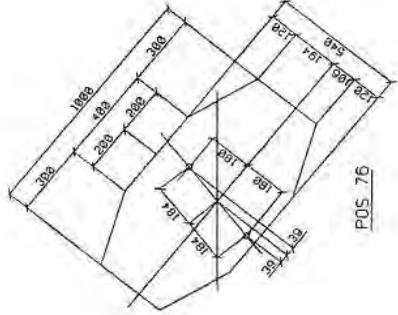
POS 72



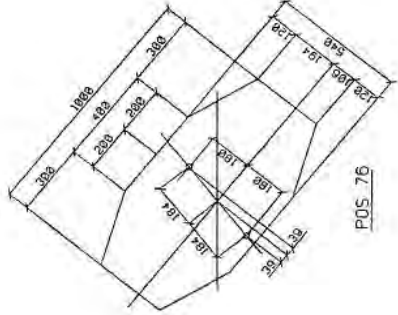
POS 73



POS 74



POS 75

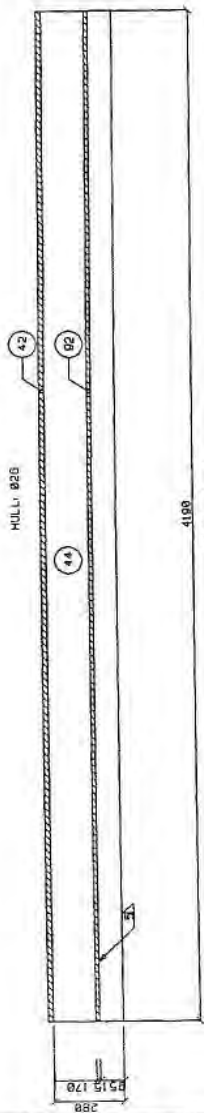


POS 76

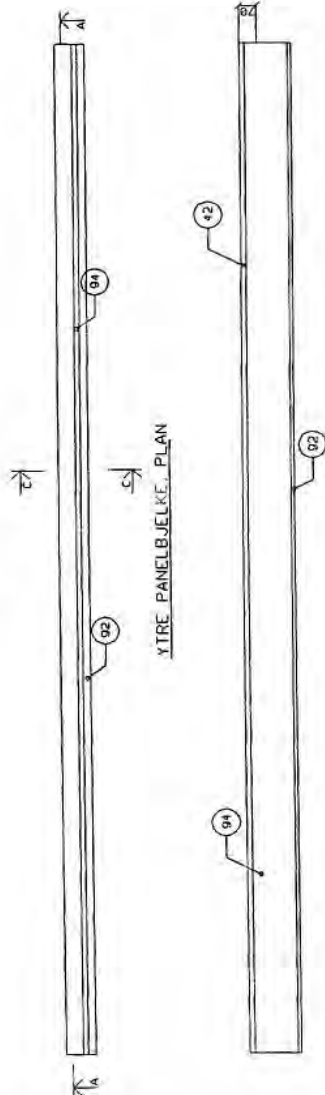
GENERELLT FOR ALLE PLATER:
T=25
MULL: Ø36
SVEISER TIL HUVEDBØJELSER: Ø18
FACVÆRNET ER VIST PÅ TEIENING NR. 05A

180004	180004	180004	180004	180004	180004
Dato	Rev.	Rev.	Rev.	Rev.	Rev.
	1	1	1	1	1
STATENS VEGVESEN					
Standard fer-jakobru 4.5 x 18					
FACVÆRK PLATER OG MATERIALISTE					
Veggrunnterminerte anordninger, Østlandet					
H.I. Øderud					
DKleppa					
(sign)					
	92	2	05-11A		

POS.	ANT.	BENEVENELSE	DIMENSJONER mm		STÅLKVALITET	
			LENGDE	TYKK.		VEKT I kg
92	1	PLATE	4180	135	08	RSL37-2 (F6308BFN)
94	1	PLATE	4180	170	114	RSL37-2 (F6308BFN)
101	2	PLATE	500	05	20	RSL37-2 (F6308BFN)
102	2	HE240 A	722	-	44	S152-3N (F65100D)
103	4	PLATE	748	05	20	RSL37-2 (F6308BFN)
104	2	PLATE	740	580	15	RSL37-2 (F6308BFN)
105	2	PLATE	250	240	20	RSL37-2 (F6308BFN)
					SUM	442

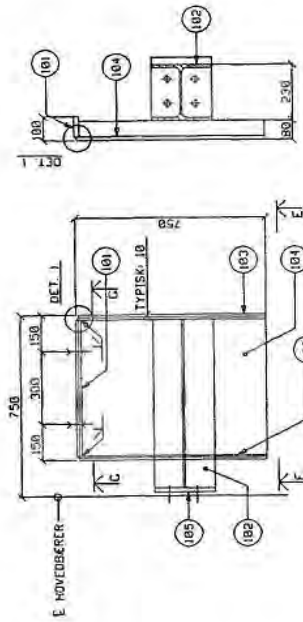


SNITT A-A

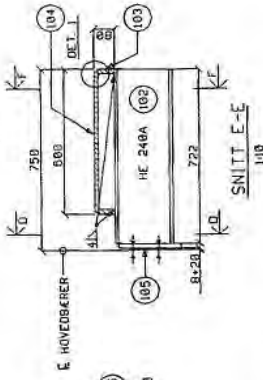


YTRE PANELEJELKE PLAN

OPPRISS



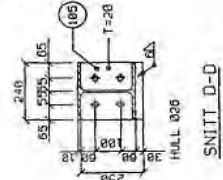
SNITT F-F



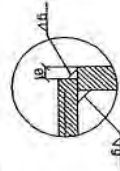
SNITT E-E

YTTERPANELER

DET LAGES 2 STK. YTTERPANELER SOM ER INNBYRDES SPELVENDT.

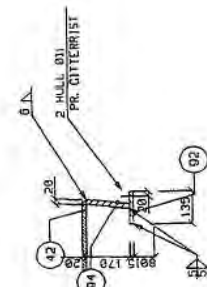


SNITT D-D

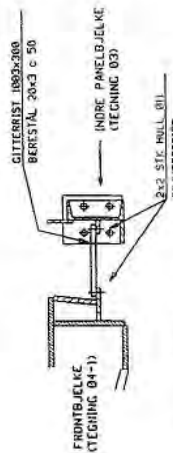


DETALJ

M 1/2



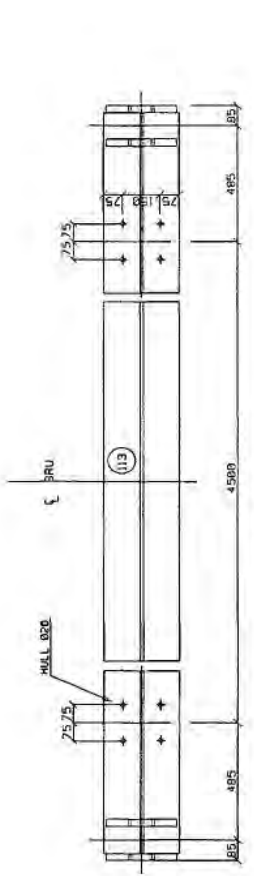
SNITT C-C



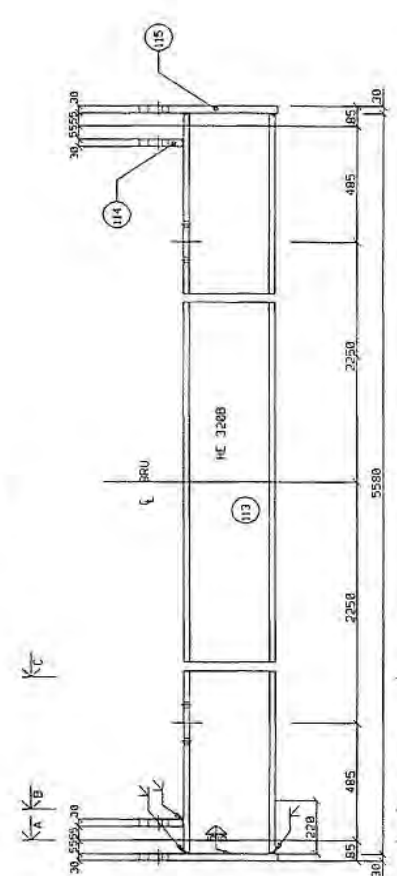
TYPISK SNITT AV KOMPLETT PANELE

FUNKT. BETAENING	LØS FÅS PÅ FRONTPANELER	MÅTT	MÅTT	KOD	STÅLKVALITET	
					STÅL	ANT. ST. NR.
STÅTENS VEGVESEN	STANDARD FOR JERNBRUK 4,5 x 18	110	130	260022		
		130	130	260022		
PANELENE BAK FRONTPANELER	VEGVESENSTIKT BRUNING 040/04-08					
H.T.Østerud	Ø.Kleppe					
tegn	tegn					
		92	2			

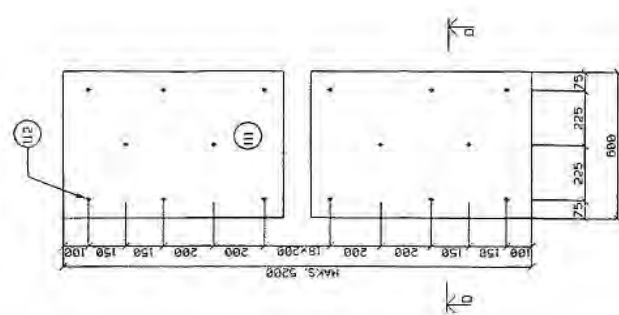
POS.	ANT.	BETEGNELSE	DIMENSJONER mm		VEKT I KG	STÅLKVALITET
			LENGDE	BRØD		
111	2	PLATE	5200	15	37,4	748 RS137-2 (Fe360BPN)
112	82	KAMSTÅL Ø12	400	-	-	29 K5005
113	1	HE 3208	5580	-	703	708 S132-3N (Fe310D1)
114	2	PLATE	175	288	30	24 RS137-2 (Fe360BPN)
115	2	PLATE	505	288	38	68 RS137-2 (Fe360BPN)
					SUM	1577



PLAN HEISBEJLKE
1:10



OPPRISS HEISBEJLKE
1:10

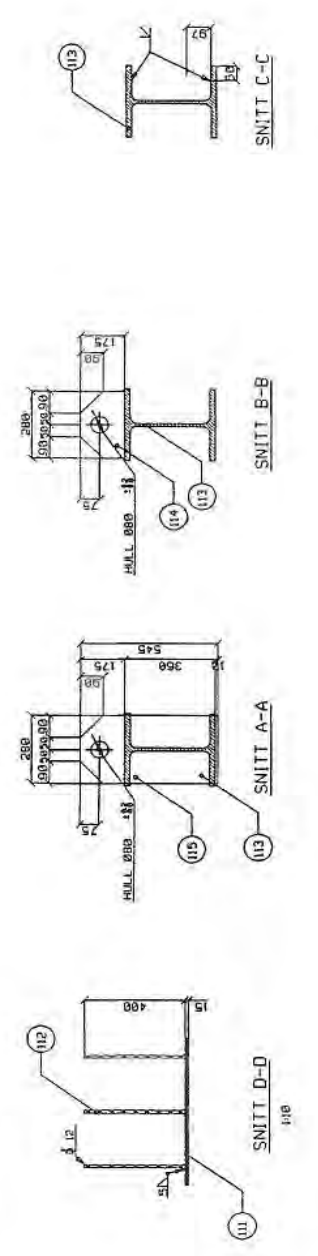


OPPRISS GLIDEPLATE
1:10

ANTALL POS 112 14
TILPASSES KANONSTRUKSJONEN
LENDEN TIL POS 111
TILPASSES VALGTE NIVÅER
FOR KAI OG STOPPEJLKE.
SE TEIING 15.

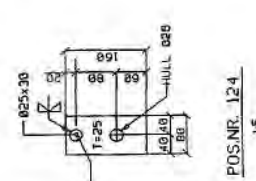
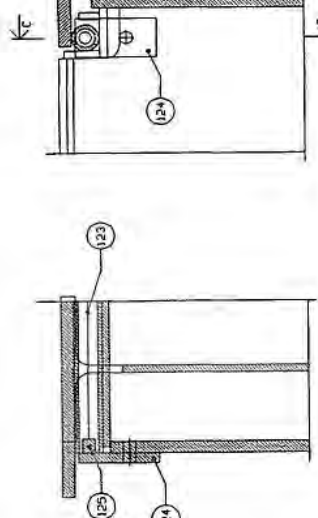
BEMERKNINGER

FOR FESTE TIL HYDRAULIKKYLINDER LAGES SKAL
STÅLVERSTED TA KONTAKT MED VECKONTOR/
HYDRAULIKKLEMAND FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN SYLINDEREN SOM SKAL BRUKES



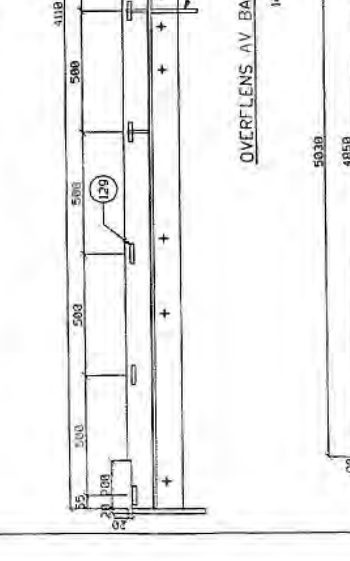
REKVISIT DATA	REKVISIT DIM. (mm)	REKVISIT BETEGNELSE	b	d	n	n	skp.
STATENS VEGVESEN							
Standard for Jernbane 4,3 x 18							
HEISEBEJLKE							
INNSTEPT GLIDEPLATE							
Reparatordata for bruk av 06							
H.T. Øderud							
0. Hjelpe							
1:10							
Verdigr. St. nr. Bl. nr.							
92 2 07A							

POS.	ANT.	REINVELSSEL	DIMENSJONER mm		VEKT 1 kg	STÅLKVALITET	
			LENGDE	BREDD		TRUK.	TOTALT
121	1	PLATE	5030	1000	25	1000	1008 S152-3N (F 63500BF)
122	1	HC 2200B	410	-	204	204	S152-3N (F 63500BF)
123	1	RRR 055-A-08	4050	-	45	45	RS1-37-2 (F 6300BF)
124	2	PLATE	100	80	25	25	RS1-32-3 (F 6300BF)
125	2	PLATE	30	-	91	91	RS1-37-2 (F 6300BF)
126	1	PLATE	410	80	15	30	RS1-37-2 (F 6300BF)
127	3	PLATE	180	180	10	15	RS1-37-2 (F 6300BF)
128	2	PLATE	280	200	20	9	RS1-37-2 (F 6300BF)
129	9	PLATE	80	40	15	0.4	RS1-37-2 (F 6300BF)
130	1	PLATE	180	185	15	4	RS1-37-2 (F 6300BF)
131	1	PLATE	900	170	15	18	RS1-37-2 (F 6300BF)
				SUM		1430	



HØYDELÅS FOR OVERGANGSPLATE

SNITT B-B



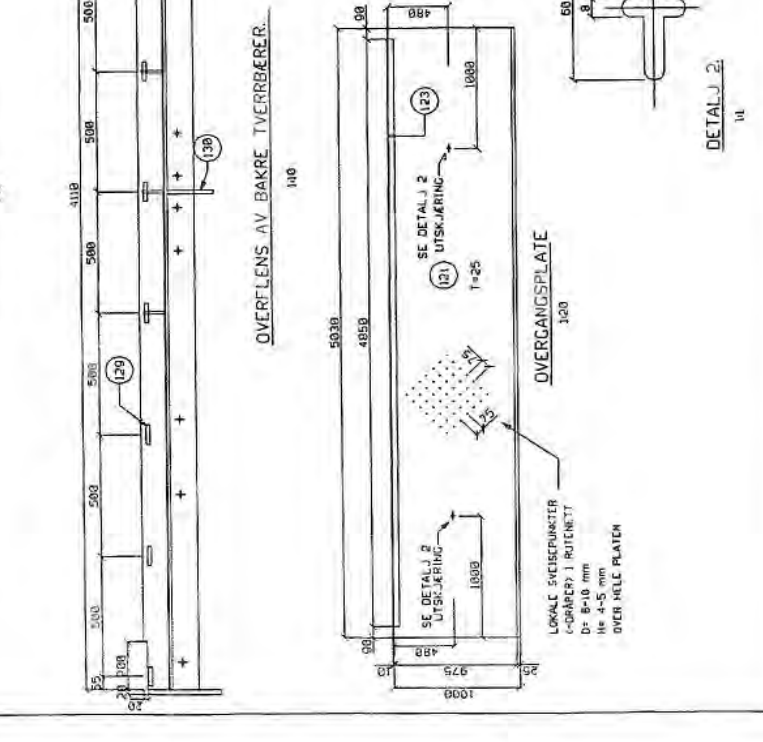
TVERRJELKE
(TEGNING 033)



POSNR. 128

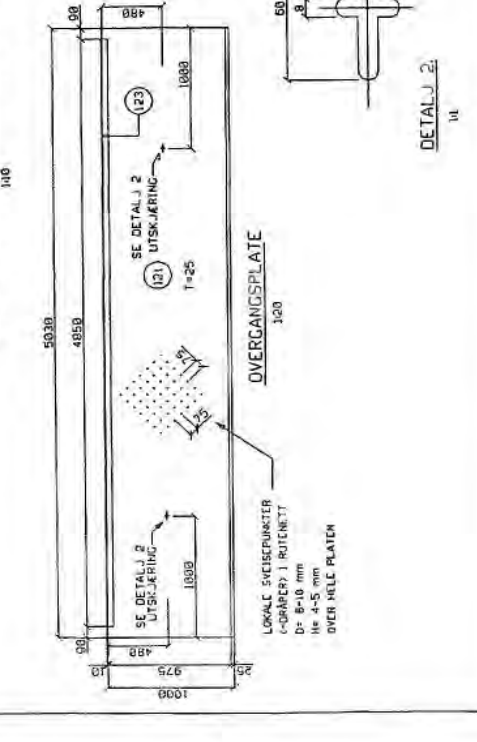


OPPRISS BAKRE TVERRBERER.



HULL Ø14 BØRING UTFØRES I SAMSVAR MED PÅTILBENNINGENS VINKEL OG HØI.

OVERLENS AV BAKRE TVERRBERER.



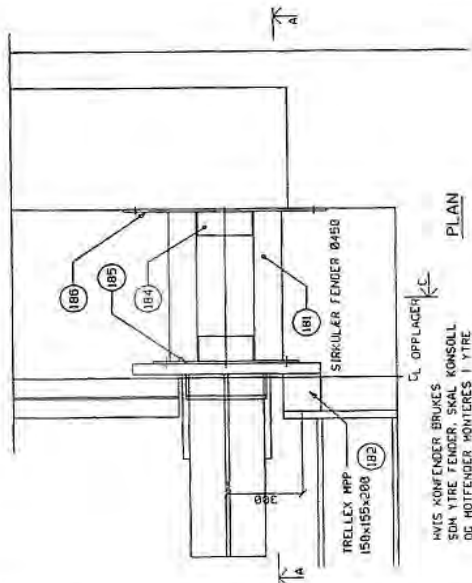
LOKALE SVESSEPUNKTER
G-ØSØRER I RUTENETT
D= 8-10 mm
H= 4-5 mm
OVER HELLE PLATEN

OVERGANGSPLATE

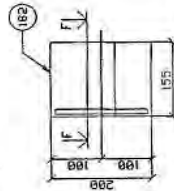
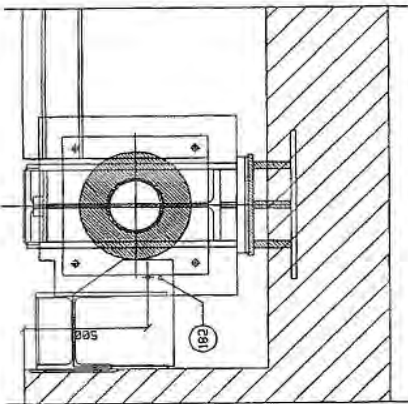


BANK	DUBB LØTUDS OG PRE. SÅ	RETT	B	Z	BL.
000	STANSING	STANSING	1,20	1,20	250000
STATENS VEGVESEN					
Standard fer-jøkebru 4,5 x 18					
BAKRE TVERRJELKE					
OVERGANGSPLATE					
Vegstasjonsbussveiling, Østmark					
H.T. Bølerud					
D. Kjøppe					
10/10					
Vare no. 51. nr.					
92					
2					
Ø8A					

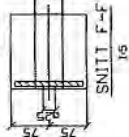
CL YTRE HOVEDJELKE



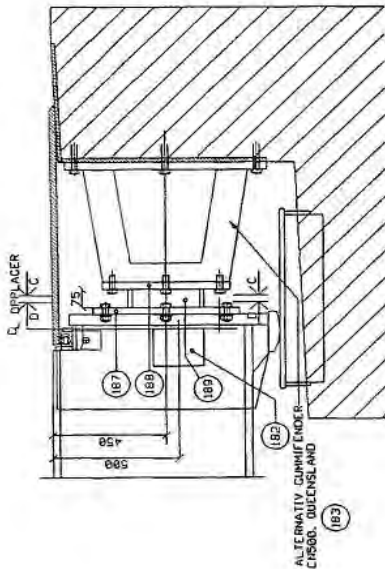
PLAN 1:10



FENDER MPP 150x200x155

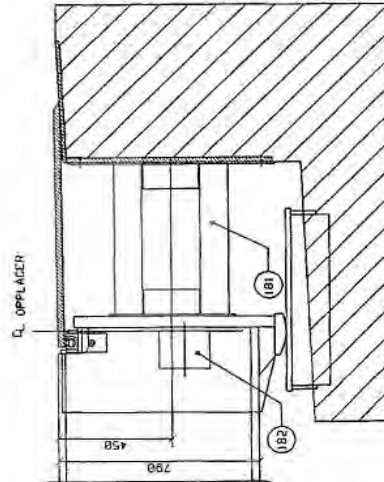


SNITT F-F 1/5

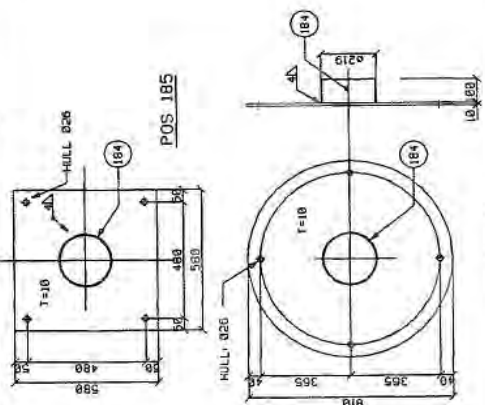


SNITT A-A
HOVEDJELKE M/ FENDER

SOM ALTERNATIV YTRE FENDER
KAN BRUKES KONFENDER CUMHIFENDER
STRUKTURBEMIDDEL TIL HOVEDJELKE



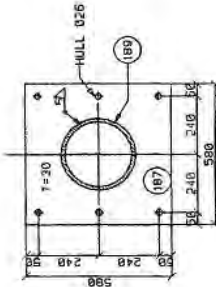
SNITT A-A
HOVEDJELKE M/ FENDER
(SIDESTYRING IKKE INTEGNET)
1:10



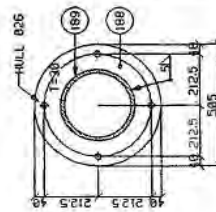
POS 185

POS. ANT.	BENEVNELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET
		LØDSE	TREK.		
181	2 CUMHIFENDER Ø450	Ø15	-	-	-
182	2 CUMHIFENDER MPP 155	150	200	-	-
184	4 RBR. Ø219	Ø108	Ø6	3	12 RSL37-2 (f.e.300-B)
185	2 PLATE 580	580	Ø8	28	56 RSL37-2 (f.e.300-B)
186	2 PLATE Ø810	-	-	52	104 RSL37-2 (f.e.300-B)
SUM, ALTERNATIV SYLINDERENDER OG KONFENDER 172					

SUM, ALTERNATIV SYLINDERENDER OG KONFENDER 172



SNITT D-D



SNITT E-E

POS. ANT.	BENEVNELSE	DIMENSJONER mm		VEKT I kg	STÅLKVALITET
		LØDSE	TREK.		
182	2 CUMHIFENDER MPP 155	150	200	-	-
183	4 CUMHIFENDER CUM800	580	30	81	163 RSL37-2 (f.e.300-B)
187	2 PLATE 580	580	Ø8	28	56 RSL37-2 (f.e.300-B)
188	2 PLATE Ø810	-	-	52	104 RSL37-2 (f.e.300-B)
189	2 RBR. Ø219	Ø108	Ø6	3	12 RSL37-2 (f.e.300-B)
SUM, ALTERNATIV BÅRE KONFENDER 302					

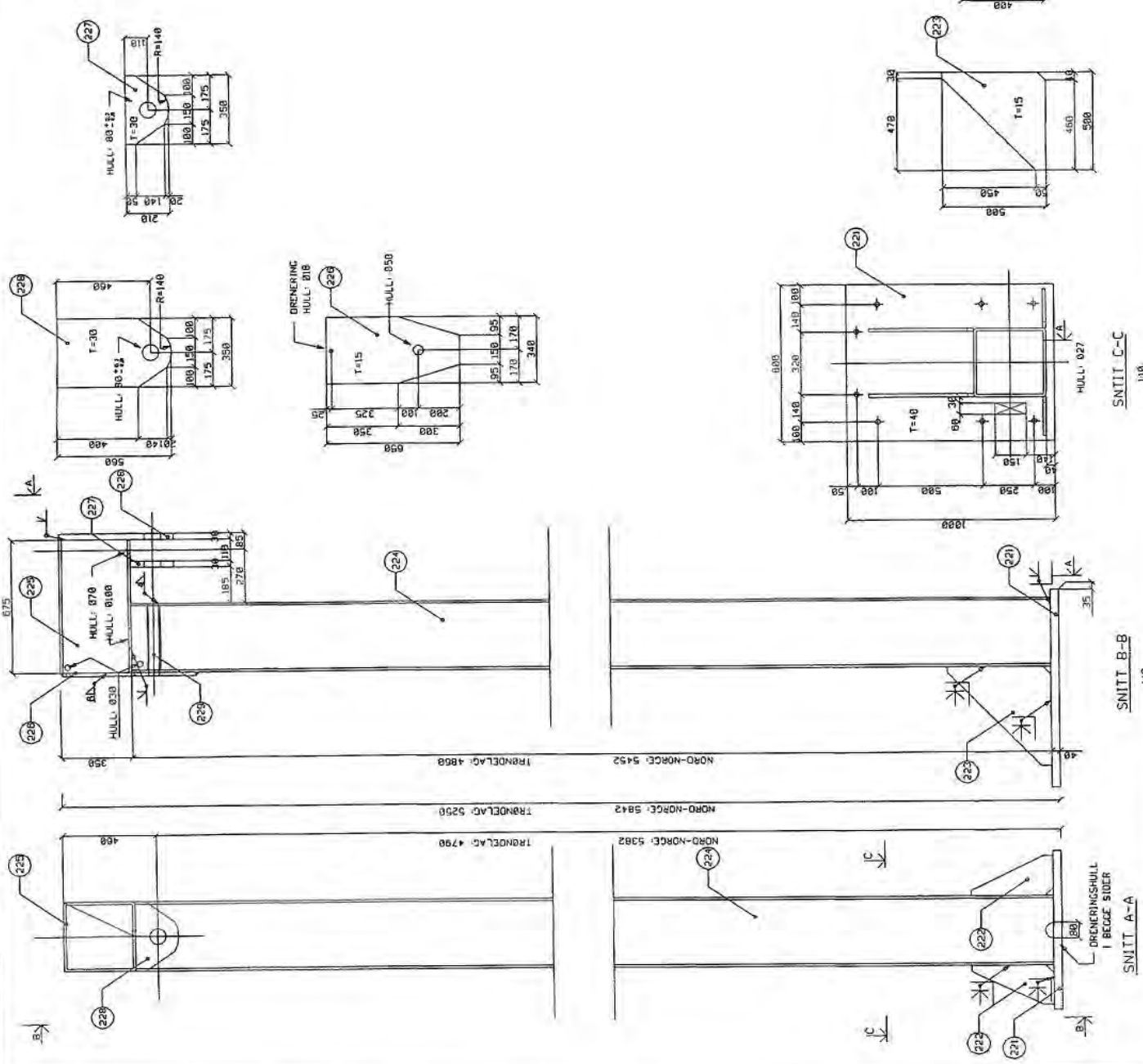
SUM, ALTERNATIV BÅRE KONFENDER 302

BBØ24	BYT. HOUD.	RETTELSE	DATE	AVSTAMPET	STAMP	TIC
STATENS VEGVESEN						
Standard for jernbru 4.5 x 18						
FENDERE						
Veggelektrostat innvendig, Ø160x90						
H.T.Øderud						
Mga						
Etterrettet for.						
					Verkt. St. nr.	Bl. nr.
					92	2
					99-1VA	

ALLE SKJER: H24.

POS.	MHT.	BEMERKNELSE	DIMENSJONER			VEKT I KG	ST 15/16 STÅLKVALITET
			LODGE	BREDD	TIC		
221	2	PLATE	1800	800	40	250	512 S152-3N (F&S100D)
222	4	PLATE	400	200	15	10	40 RSL37-2 (F&S088FN)
223	4	PLATE	500	500	15	30	120 RSL37-2 (F&S088FN)
224	2	HUP 350x12	5452	-	-	070	1382 S152-3N (F&S100D)
225	2	HUP 350x12	4868	-	-	003	1200 S152-3N (F&S100D)
226	2	HUP 350x12	075	-	-	84	106 S152-3N (F&S100D)
227	2	PLATE	650	340	15	27	57 RSL37-2 (F&S088FN)
228	2	PLATE	350	210	30	18	38 RSL37-2 (F&S088FN)
229	2	PLATE	550	350	30	47	04 RSL37-2 (F&S088FN)
230	2	R 27/32 R	23-325	15-1-8	-	3	6 RSL37-2 (F&S088FN)
						SUM	2381
						SUM	2235

NORO-NORCE:
TRONDELAG:



BEMERKNINGER

HEISE TÅRNETS HØYDE ER
NORMERT, VED ULIKE NIVÅ
PÅ KALT- OG LÅNGKAR NA HOYDEN
TILPASSER, SE TEIING NR. 15.

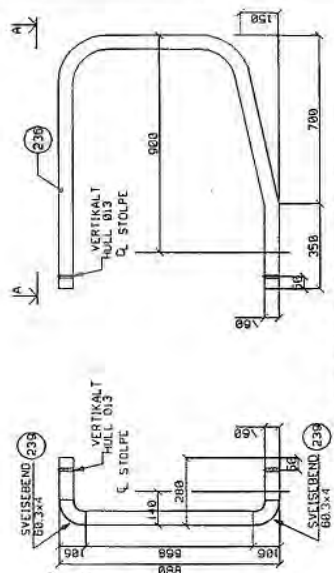
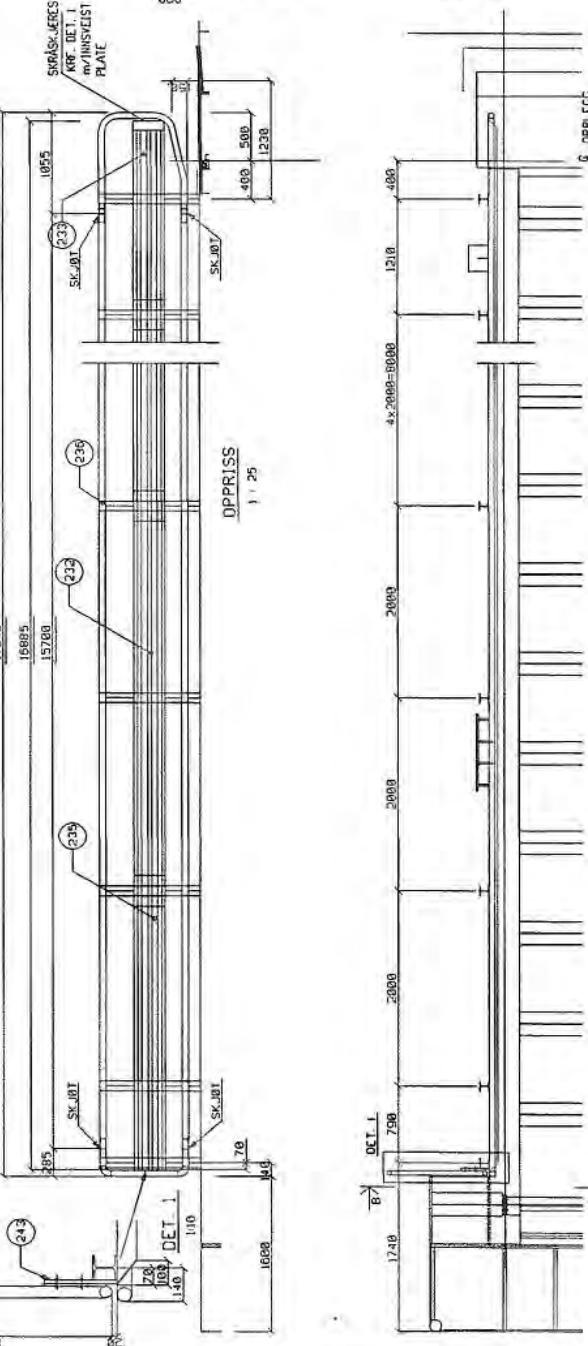
FOR FESTE FOR HYDRAULIKSTYLINGER LAGES,
SKAL STÅLVERSTED TA KONTAKT MED VEKONTØR/
HYDRAULIKLEVERANDØR FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN STYLINGEN SOM SKAL BRUKES

DATE	REVISJON	RETTET	KR.	REVISJON	RETTET	KR.
				1/20	1/20	20/03/05
				1/21	1/21	20/03/05
				1/22	1/22	20/03/05
				1/23	1/23	20/03/05
				1/24	1/24	20/03/05
				1/25	1/25	20/03/05
				1/26	1/26	20/03/05
				1/27	1/27	20/03/05
				1/28	1/28	20/03/05
				1/29	1/29	20/03/05
				1/30	1/30	20/03/05
				1/31	1/31	20/03/05
				1/32	1/32	20/03/05
				1/33	1/33	20/03/05
				1/34	1/34	20/03/05
				1/35	1/35	20/03/05
				1/36	1/36	20/03/05
				1/37	1/37	20/03/05
				1/38	1/38	20/03/05
				1/39	1/39	20/03/05
				1/40	1/40	20/03/05
				1/41	1/41	20/03/05
				1/42	1/42	20/03/05
				1/43	1/43	20/03/05
				1/44	1/44	20/03/05
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				1/47	1/47	20/03/05
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				1/88	1/88	20/03/05
				1/89	1/89	20/03/05
				1/90	1/90	20/03/05
				1/91	1/91	20/03/05
				1/92	1/92	20/03/05
				1/93	1/93	20/03/05
				1/94	1/94	20/03/05
				1/95	1/95	20/03/05
				1/96	1/96	20/03/05
				1/97	1/97	20/03/05
				1/98	1/98	20/03/05
				1/99	1/99	20/03/05
				1/100	1/100	20/03/05

SNITT C-C
1:10

SNITT B-B
1:10

SNITT A-A
1:10



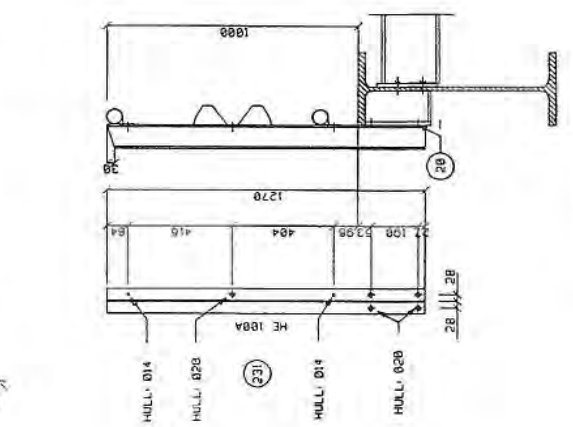
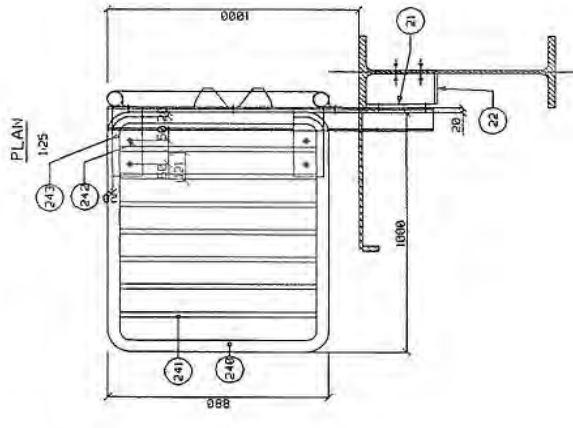
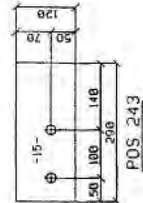
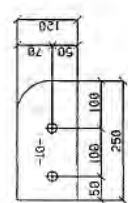
ENDEAVSLUTNING REKVERKSRØR

1:10

POS.	ANT.	BENEVNELSE	DM. mm	VEKT 1 kg	STÅLKVALITET
231	20	HE 180A	1270	21	4.20 RSL37-2 (Fe360BF1H)
232	8	STANDARD REKVERKSRØR	1088	49	254 RSL37-2 (Fe360BF1H)
233	2	ENDESTYKKE / SKINNE	2103	24	48 RSL37-2 (Fe360BF1H)
235	2	ENDESTYKKE / SKINNE	3018	33	66 RSL37-2 (Fe360BF1H)
236	14	JEKKEBØR BØ-3-3,6	72	3	362 RSL37-2 (Fe360BF1H)
237	40	FESTEKLAMMER		3	120 RSL37-2 (Fe360BF1H)
238	8	JEKKEBØR 51x3,6	200	1	8 RSL37-2 (Fe360BF1H)
239	4	SVITSEBEND BØ-3-4	8	1	4 RSL37-2 (Fe360BF1H)
240	4	RØR, Ø48,3 x 3,6	8	32	32 RSL37-2 (Fe360BF1H)
241	14	RUNDSTÅL Ø20	783	2	28 RSL37-2 (Fe360BF1H)
242	4	PLATE, 10x250x120		2	8 RSL37-2 (Fe360BF1H)
243	4	PLATE, 15x200x120		4	16 RSL37-2 (Fe360BF1H)
				SUM	1408

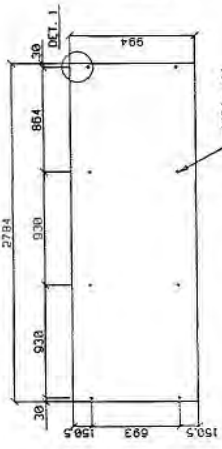
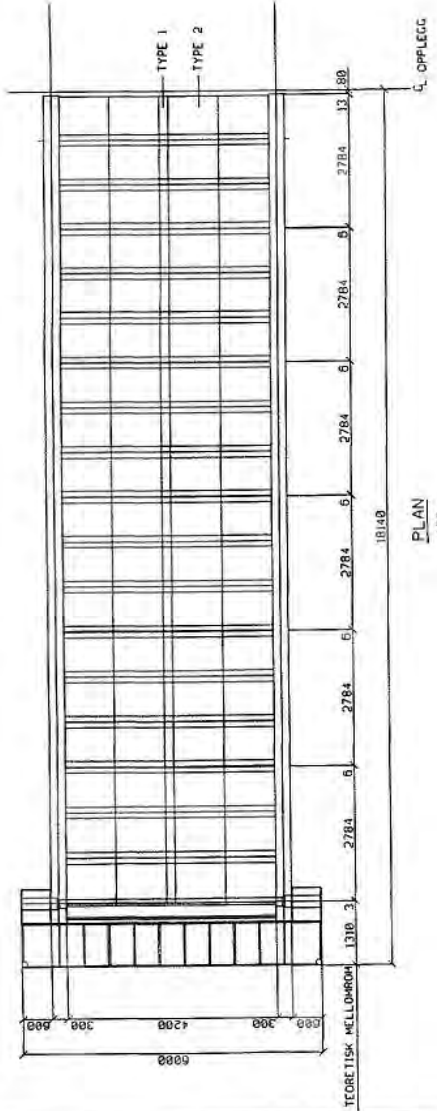
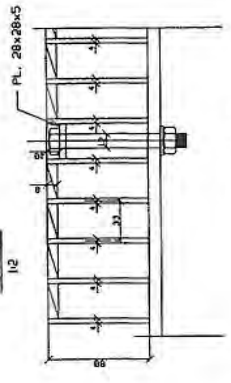
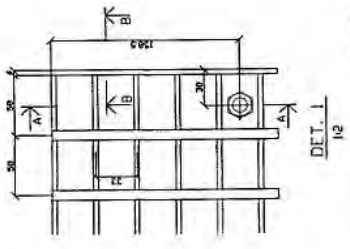
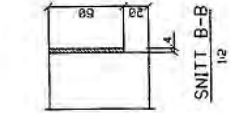
BEMERKNING:
REKVERKSRØRNE DVÆR LEGGES
MED TÅNKE PÅ HVIRETRAKTIV

STAVEN MÅTT DATA	POS. ANT. BENEVNELSE	DM. mm	VEKT 1 kg	STÅLKVALITET
1-25	1-25	1088	49	254 RSL37-2 (Fe360BF1H)
1006	1	1006	1	1006
1008	1	1008	1	1008
1009	1	1009	1	1009

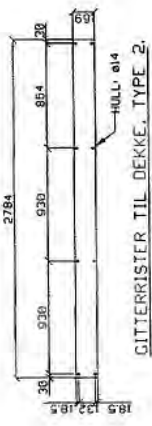


SNITT B-B
1:10
SVEISERØR 4

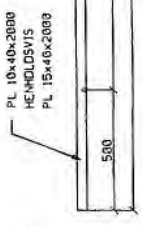
TYPISK SNITT
1:10



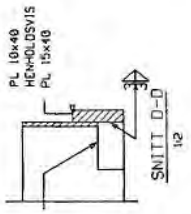
GITTERRISTER TIL DEKKE, TYPE 1
1:20



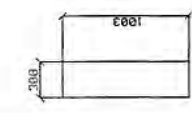
GITTERRISTER TIL DEKKE, TYPE 2
1:20



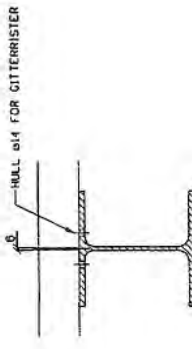
FORPLATE



SNITT D-D
1:2



GITTERRISTER TIL MIDTRE PANEL
BÆRESTÅL 20x3 c 50
1:20



SNITT C-C
1:5



TYPISK SNITT
1:10

BEMERKNING:

1. BÆRESTÅLET SKAL VÆRE SAGTAGGET
 2. STÅLKVALITET: S450-3N
 3. GITTERRISTER SKAL VÆRE FORSINKES V ZN NS 1978 TIL BELEGGTYKKELSE MIN. 115µm
 4. ANTALL: DEKKE: TYPE 1: 24 STK
TYPE 2: 6 STK
PANEL: 4
 5. ANTALL FORPLATER: 10 MH 2 STK
15 MH 2 STK
- GITTERRISTER SKYVES SAMMEN I LØSRETNING OG FORPLATER LEGGES NED I BEGGE ENDER.

Dato	Rettelser	g	h	Revideret	Kcc.
				150	25.08.92
				150	25.08.92
				110	25.08.92
				110	25.08.92
				mm	
				Trækstyr.	
				Drætnings ror.	
				Verifikat nr.	Bl. nr.
				91	2
				13	

STATENS VEGVESEN
Standard for-jeløbru 4,5 x 18

GITTERRISTER
Vegstatens brænding, Øsøvej-98
H.T. Bøghud
(eg)

D.K. 1800
(eg)

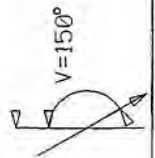
OVERSIKT OVER SKRUER

KONSTRUKSJONSDEL	DIMENSJON	FASTHETS- KLASSE	ANTALL	REF. TEGN.
FRONTBJELKE	M24x80	8.8-NS5750	24	04
FRONTBJELKE	M24x75	8.8-NS5750	12	04
TVERRBJELKER	M24x65	8.8-NS5750	136	03
TVERRBJELKER	M24x85	8.8-NS5750	8	03
FAGVERK	M24x75	8.8-NS5750	92	05
PANELER	M24x70	8.8-NS5750	22	06
PANELER	M24x75	8.8-NS5750	4	06
HEISEBJELKE	M24x85	8.8-NS5750	8	07
BAKRE TVERRBJ.	M24x80	8.8-NS5750	12	08
BAKRE TVERRBJ.	M24x65	8.8-NS5750	8	08
OVERGANGSPATE	M24x80	8.8-NS5750	2	08
DEKKPLATE	M24x95	8.8-NS5750	2	09
FREMRE SIDESTYRING	M24x85	8.8-NS5750	12	10
FREMRE SIDESTYRING	M12x30	8.8-NS5750	4	10

I TILLEGG KOMMER SKRUER TIL
GITERRISTER, REKKVERK OG FENDERE.

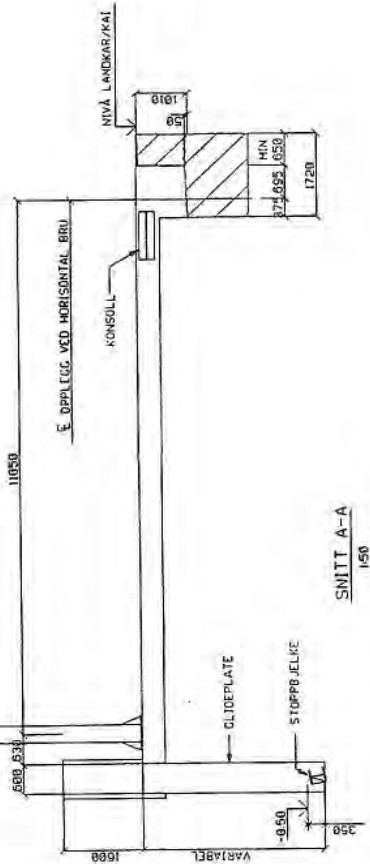
DIMENSJONER ETTER NS 5720/NS 5721
OG FASTHETSKLASSE 8.8 IFLG. NS 5750.
SEKSKANTMUTTERE IFLG. NS 5730
OG FASTHETSKLASSE 8.8 IFLG. NS 5751.
UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200.
SKRUER, MUTTERE OG SKIVER SKAL V RE I VARMFORSINKET UTFØRELSE.
ALLE SKRUER SKAL HA UNDERLAGSSKIVER UNDER HODE OG MUTTER.

TILSETTING AV SKRUER.
SKRUENE SETTES FAST TIL FOR HAND MED VANLIG NØKKELE SLIK AT
TILSTØTENDE FLATER LIGGER TETT SAMMEN. (SNUG-TIGHT)
PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EV. SKRUEN)
EN VINKEL $V=150^\circ$.

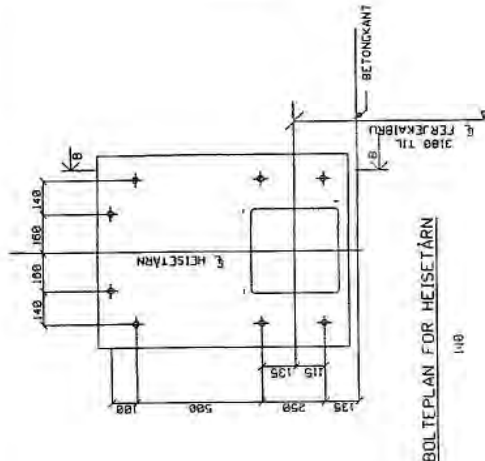


Dato		b		a	
Rettelse		Merke	Rettet	Ktr.	
STATENS VEGVESEN		Målestokk	Tegn. MAF	26.02.92	
Standard ferjekaibru: 4,5 x 18		Ktr. PS		26.02.92	
		Mål i	Trac.		
		Tracktr.			
SKRUER, MUTTERE OG SKIVER,		Erstatning for.			
Vegdirektoratets bruavdeling, Oslo, Mai-96		Ver.s.jon.	St. nr.	Bl. nr.	
H.T. Øderud (sign)	Ø. Kleppe (sign)	92	2	14	

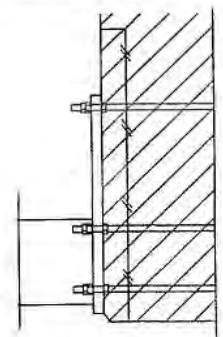
SYLINDEROPPHENG
 FØRUTSATT SYLINDEROPPHENG Ø=140 mm
 NORD-NØRDL
 SLÅLENGDE L_s=3000 mm
 UTTRUKKET LENGDE 2L_u=4=8376 mm
 TILBØYELSE
 SLÅLENGDE L_s=3000 mm
 UTTRUKKET LENGDE 2L_u=4=7776 mm



SNITT A-A
1:50

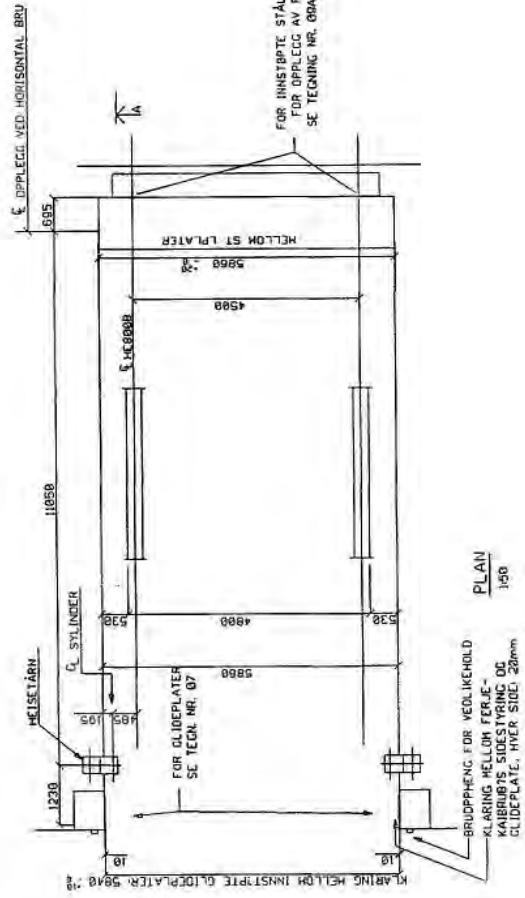


BOLTEPLAN FOR HEISETÅRN
1:40



B STA. BOLTER Ø25 (KUNST). C/DIOMET H24
 NY 3 MUTTER OG SKIVE PR. TÅRN
 EVENTUELT KAN BRUKES Ø25 G533-NV.
 FORÅNRRING FOR FJALL KAPASTIC.

SNITT B-B
1:40



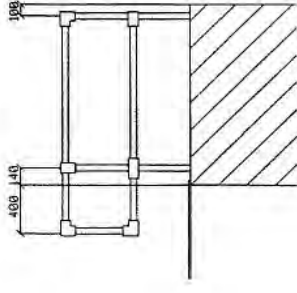
PLAN
1:40

FØRUTSETNING
 KAINIVA = LANDKARNIV

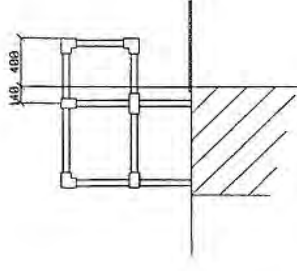
LANDKAR- OG KAINIVA KAN SIKKES TIL LAYERE NIVÅ ER ENN NORMALNIVÅ -
 FØRUTSATT SAMME HEISETRYK OG SAMME SYLINDERLENGDE.
 OPPNÅS FØLGENDE NIVÅ ER OG HØKSHALE UTSLAG PÅ
 FERJEKARBRUS BEVEGELSE.

NIVÅ	NIVÅ ØVRE	MAKS. NIVÅ	MIN. NIVÅ
LANDKAR/KAI	SYLDRPHENG	DK BRUFRONT	STOPPEJELKE
+2,60 (NORMAL)	+6,182	+5,42	-8,91
+2,70	+8,082	+5,33	-8,87
+2,68	+7,882	+5,23	-8,83
			-8,87
NIVÅ	NIVÅ ØVRE	MAKS. NIVÅ	MIN. NIVÅ
LANDKAR/KAI	SYLDRPHENG	DK BRUFRONT	STOPPEJELKE
+2,60 (NORMAL)	+7,400	+4,93	-8,83
+2,58	+7,400	+4,83	-8,79
+2,48	+7,380	+4,73	-8,74
			-8,73

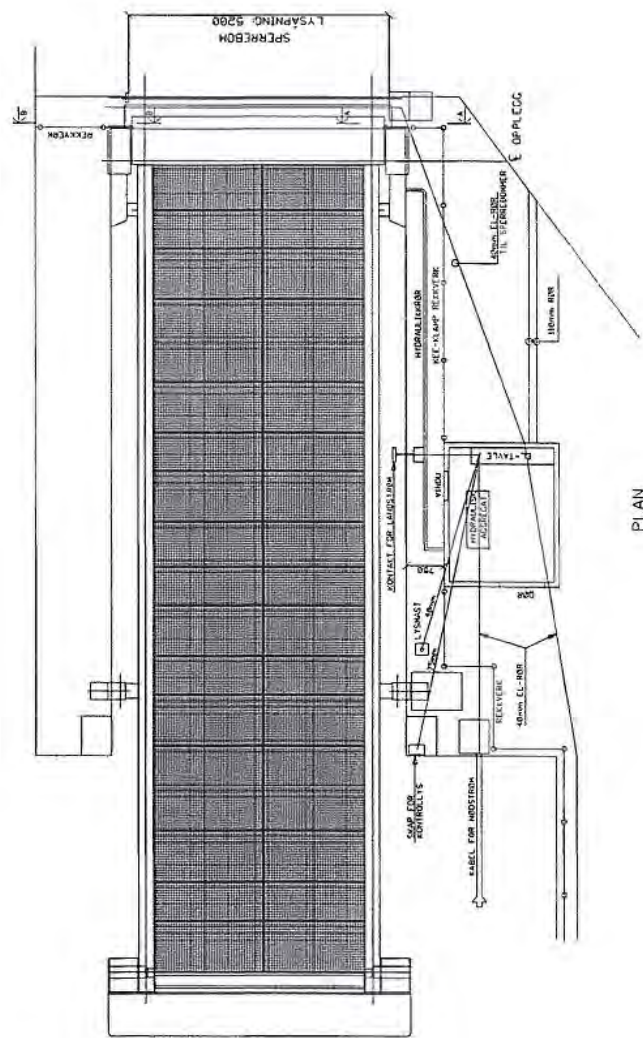
DATE	REVISJON	RETTET	SKR.
STATENS VEGVESEN	1:50	1:10	200302
Standard FerjeKarbru 4,5 x 18	1:10	1:10	200302
BETONGVAL BRUBAS			
Vegdirektoratets bruddning, Div. 100-00			
H.T. Bøderud			
1:40			
D.K. Skjelle			
1:40			
Veg. 92			
2			
15			



SNITT A-A
1:20



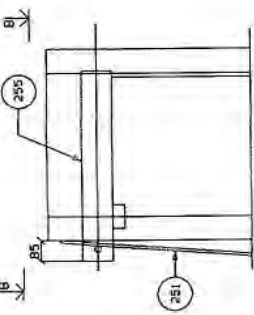
SNITT B-B
1:20



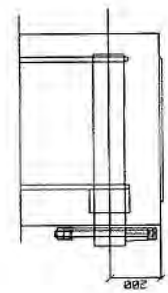
PLAN
1:50

Dato	Retteiser	D	D		
			Måle	Retteiser	Str.
			1:50	Legemål	288292
			1:20	Str. FS	288292
			750	Tross.	
			mm	Forside	
UTSTYR					
Ertetning for:					
Vegetationsbrænding, Oslo-by-66			Versjon, Bl. nr., Bl. nr.		
H.T. Øderud (egn)			91 2 16		
OKlagge (egn)					

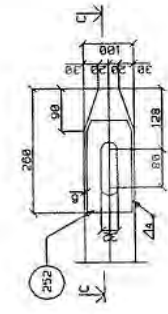
POS. ANT.	BENNEVELSE	DIMENSJONER mm			STÅLKVALITET
		LØSSE	BRØD	PLATE	
251	2 PLATE	1888	10	17	SA.52-3 (Fe51001)
252	4 PLATE	194	80	8	SA.52-3 (Fe51001)
253	2 SKRUE M20x128	-	-	-	218.8
254	2 SKRUE M24x255 <i>Med skiver</i> <i>og skiver munter</i>	-	-	-	218.8
255	2 RUNDSTÅL ø128	800	-	-	SA.52-3 (Fe51001)
256	2 PLATE	100	100	50	SA.52-3 (Fe51001)
257	4 PLATE	50	30	20	SA.52-3 (Fe51001)
259	4 KANSTÅL ø20	1500	-	-	K90015
	SUM				213



SNITT A-A
1/10



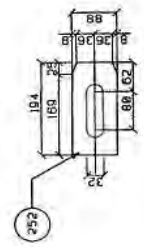
SNITT B-B
1/10



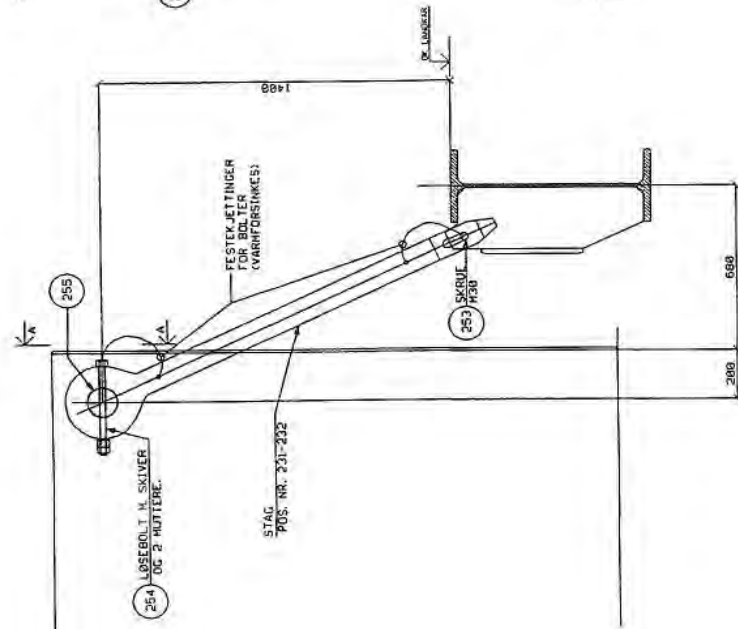
DET. I
1/5



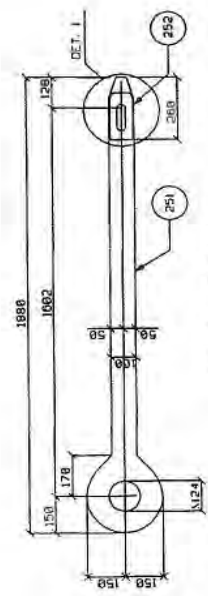
SNITT C-C
1/5



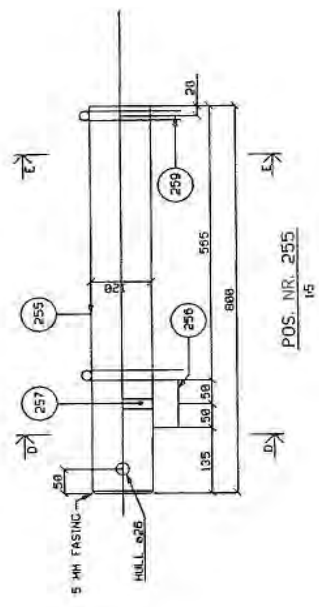
SNITT D-D
1/5



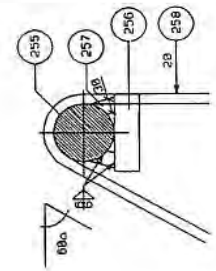
OPPRISS MOT FRONTSØYLE
1/10



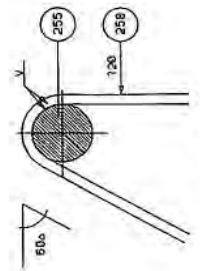
SNITT E-E
1/5



POS. NR. 255
1/5



SNITT D-D
1/5



SNITT E-E
1/5

BEMERKNING:
I BRØDENE LAGES I SREIENEN OTTFØRSELSE FOR
MUTSATT FRONTSØYLE.

LØSSE	BR. ØRØD	settetes	misse	B. ut.	St. nr.
STÅTEN VEGVESEN					
Standard for jobarbeid 45 x 18					
mm					
Tilsettning for					
BRØDENE FOR VEDLIKEHOLD					
Vegghetnings utrustning, detalj-Ø8					
H. T. Biderud					
ØKlasse					
17A					

STANDARD FERJEKAIBRU

7 x 12 m.

(3)

STANDARD FERJEKAIBRU, 7 x 12 m.

(Std. nr. 3)

TEGNINGSLISTE

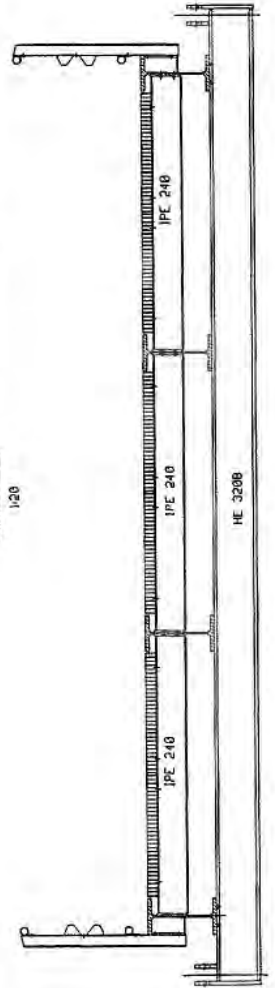
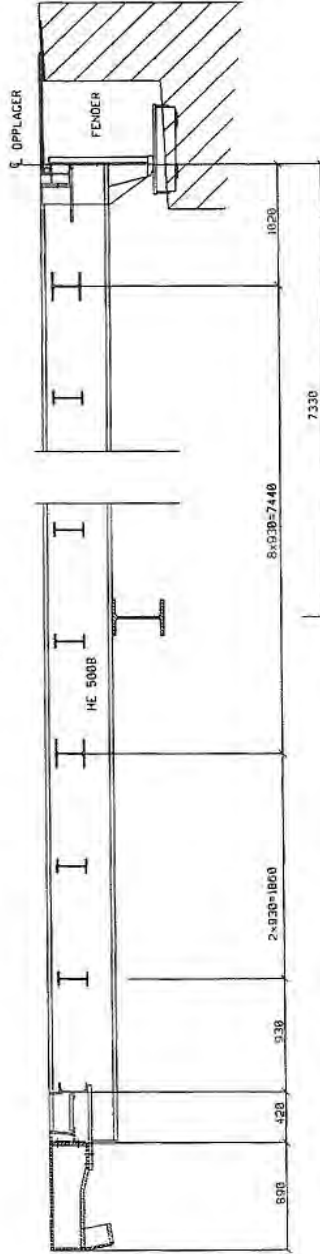
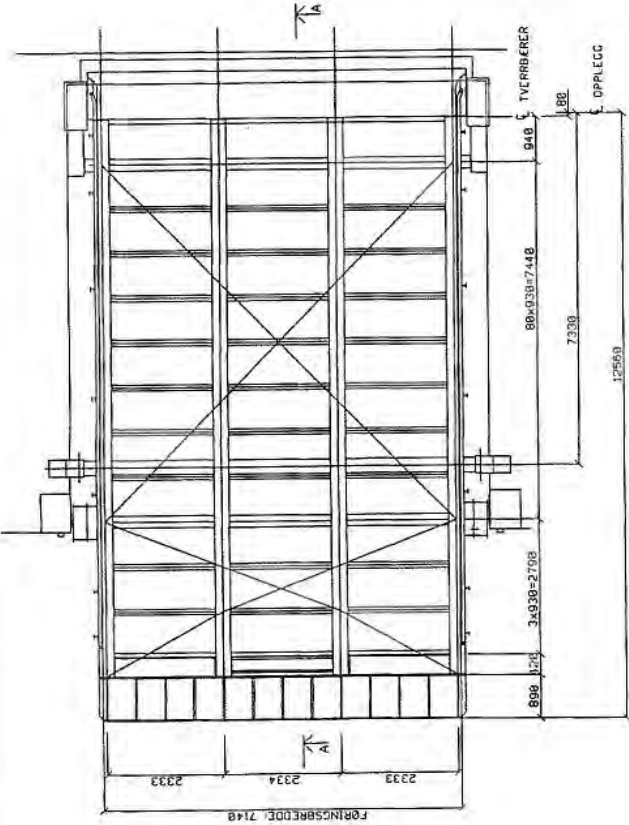
Bl. nr. 01B	Oversikt
Bl. nr. 02-IA	Hovedbjelker med detaljer
Bl. nr. 02-IIB	Indre hovedbjelker med detaljer
Bl. nr. 02-IIIA	Hovedbjelker, plater og materialliste
Bl. nr. 02-IV	Hovedbjelker, hull og skjæringer
Bl. nr. 03	Tverrbjelker
Bl. nr. 04-IA	Frontbjelke med detaljer
Bl. nr. 04-IIA	Frontbjelke, plater og materialliste
Bl. nr. 05-I	Fagverk, plan og detaljer
Bl. nr. 05-II	Fagverk, plater og materialliste
Bl. nr. 06A	Paneler bak frontbjelke
Bl. nr. 07A	Heisebjelke, innstøpt glideplate
Bl. nr. 08A	Bakre tverrbjelke, overgangsplate
Bl. nr. 09-IB	Innstøpningsgods ved landkar, brulagre
Bl. nr. 09-IIA	Konsoll og dekkplate ved landkar
Bl. nr. 09-III	MV-fendere
Bl. nr. 09-IVA	Fendere
Bl. nr. 10A	Fremre sidestyring, glidende og rullende
Bl. nr. 11	Heisetårn
Bl. nr. 12-IB	Brurekkverk
Bl. nr. 12-II	Rulleport
Bl. nr. 13	Gitterrister
Bl. nr. 14	Skruer, muttere og skiver
Bl. nr. 15	Betongmål brubås
Bl. nr. 16	Utstyr
Bl. nr. 17A	Bruoppheng for vedlikehold

TEKNIK-MATERIALLISTE

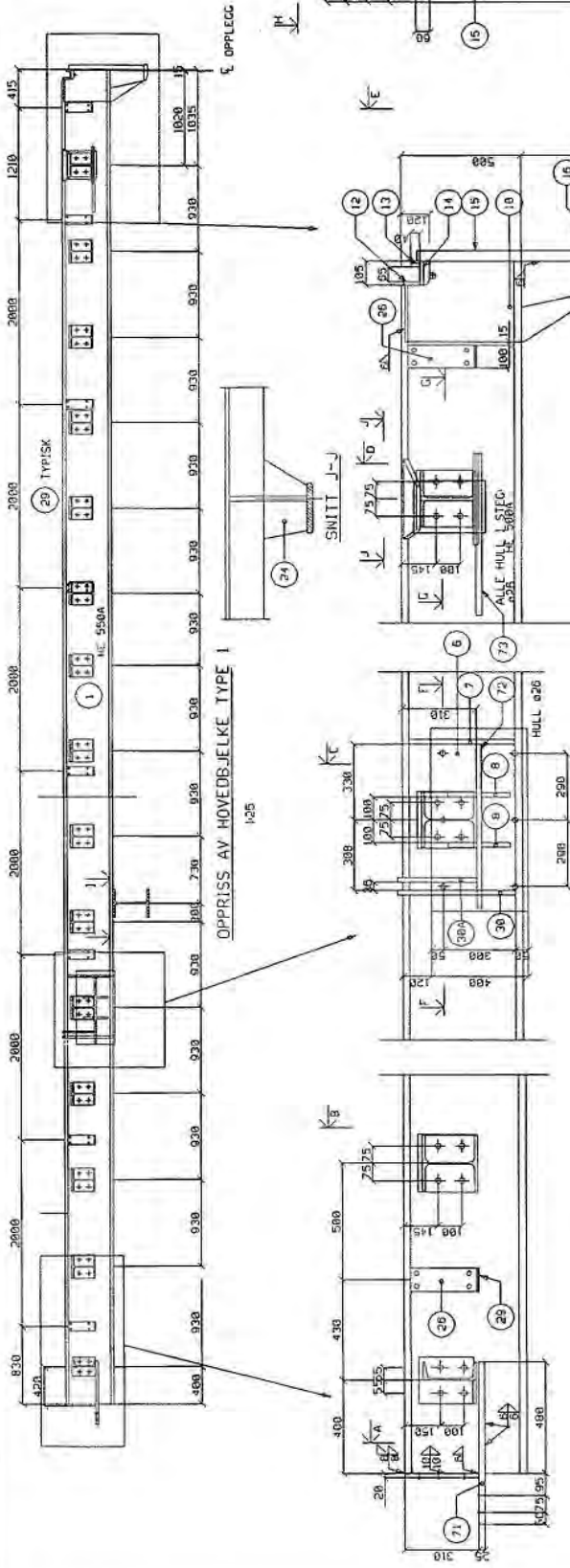
BL. NR.	KONSTRUKSJONSNOELEN	POS. NR.	VEKT I KILO
02A TIL 030	HOVEDBJELKER	1-39	10455
03	TVERRBJELKER	31-40	3397
04A,04B	FRONTBJELKE	41-55	4188
05A,05B	PANNEER	71-98	2712
06	PANNEER BAK FRONTBELKE	91-98	1759
07	HEISEBJELKE	111-132	1950
08	HEISEBJELKE	133-156	1666
09A	HANSEKORSETTE	157-158	1584
09B	KONSOLL OG DEKPLATE VID LANDKAR	161-169	524
10	FRAMRE SIDESTYRING TRULL	201-207	447
11	HEISETARN	221-229	2274
		231-239	2039
	SUN HORDALAND		29981
	SUN ROCALAND		29720

BL. NR.	UTSTR. MM.	POS. NR.
00C	HV-FENDER	171-178
00D	FENDER	181-189
12	BRUKERSTOL	231-239
13	SÅLERMATTERE OG SKIVER	
14	BETONGHÅL BRUBAS	
15	UTSTYR	
16	BRUPPØRNING FOR VEDLIKEHOLD	251-258
17		

KRAV TIL BETONGKONSTRUKSJONEN, KFR. IS BETONGHÅL BRUBAS.

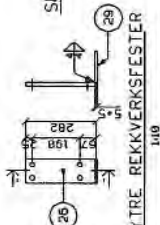
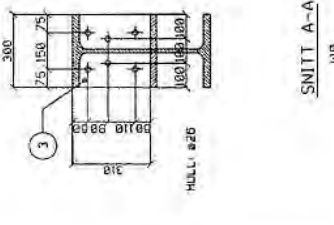
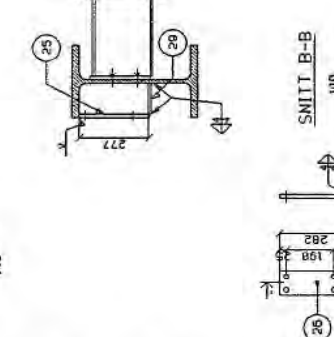
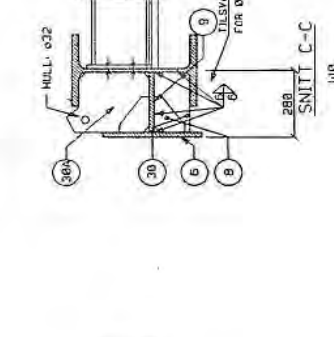
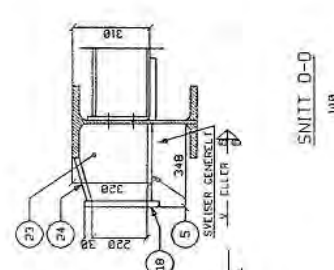
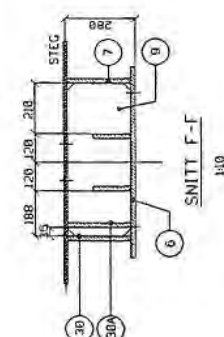
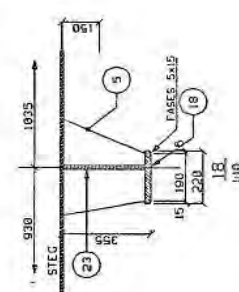
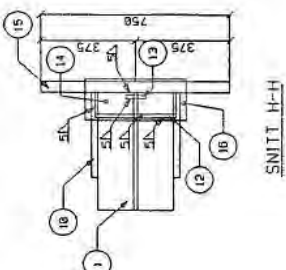
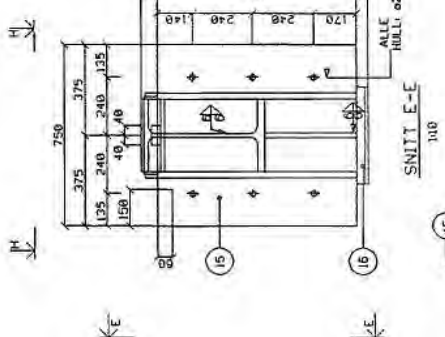


SKRIFTS	FOR	INDHÅLLET	B	H	Bl. nr.
DRØYER	DRØYER	Betelene	150	200229	
DRØYER	DRØYER	Betelene	150	200229	
		Standard For Jøkebru 7 x 12	180	1900	
		OVERSIKT			
		Veiprekontrollens Bruddning, Oslo 1900-90			
		H.T. Østlund	92	3	018
		Østlund			



ØPDRISS AV HOVEDBJELKE TYPE I

ØPDRISS BAKRE BJELKEENDE



HOVEDBJELKENE ER INNBRYDES SPELLEHØDT
PLATER OG MATERIALISTE ER VIST PÅ TEYDING NR. 02C
PLATER TIL FAGVERK ER VIST PÅ TEYDING NR. 05A

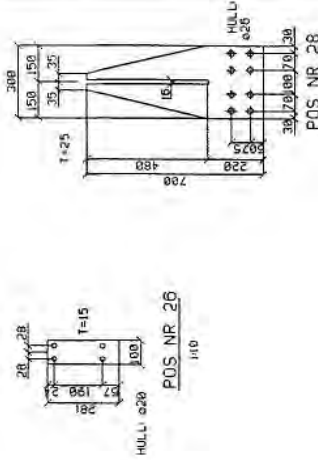
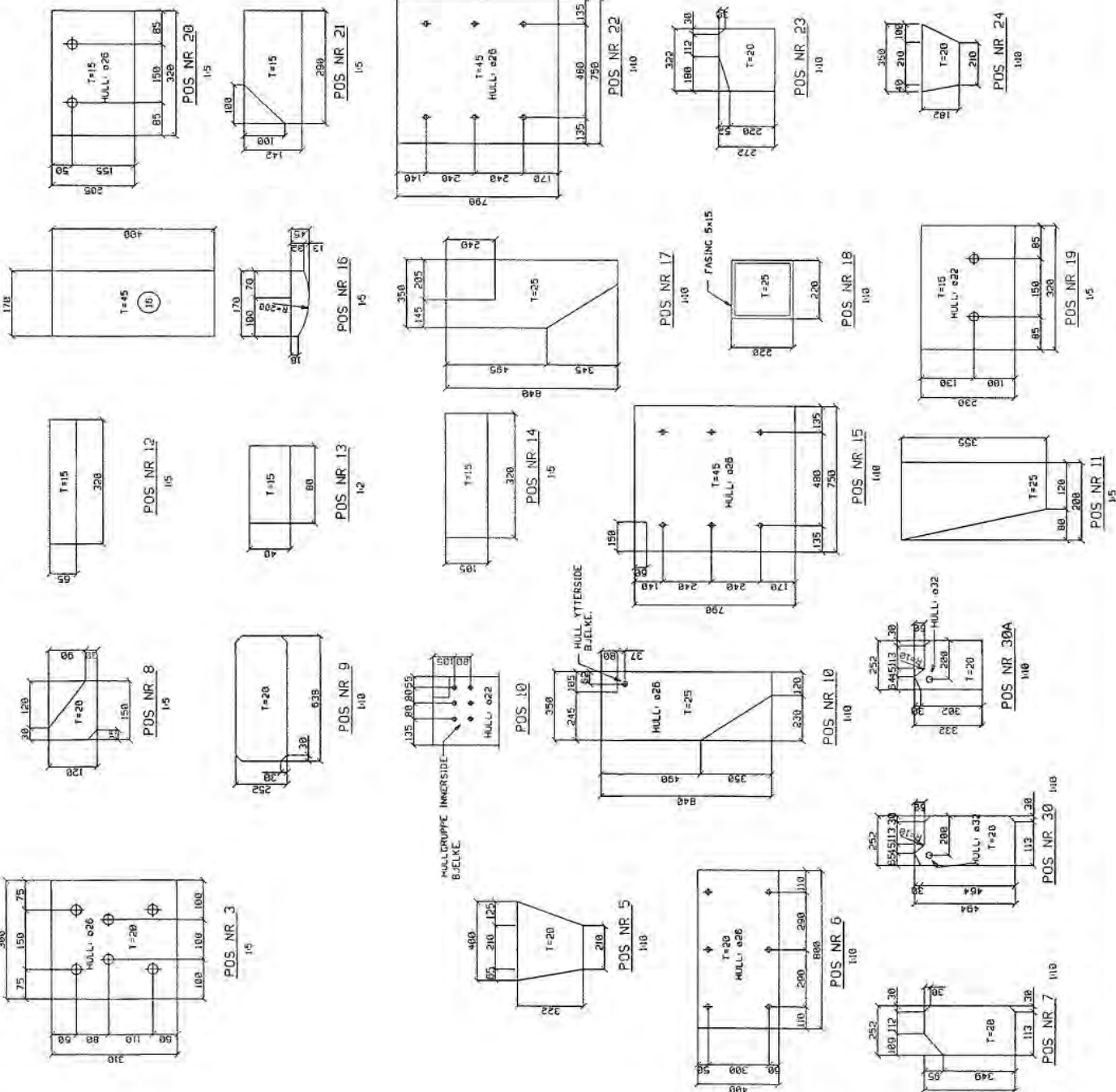
IBSISSE RITNING	BRUK	SPESIS	REVISJON	DRUK	BL. NR.
STÄTENS VEGVESEN	1:25	Kr. PS	200222	181	92
Standard ferjekaar 7 x 12	mm	Inne			
HOVEDBJELKER MED GEFALSER					
Vegvekselsstake i bruk, Oslo 1958					
H.T. Østved (egn)					
OKleppes (egn)					
1923					

YTRE REKKVERKSFESTER

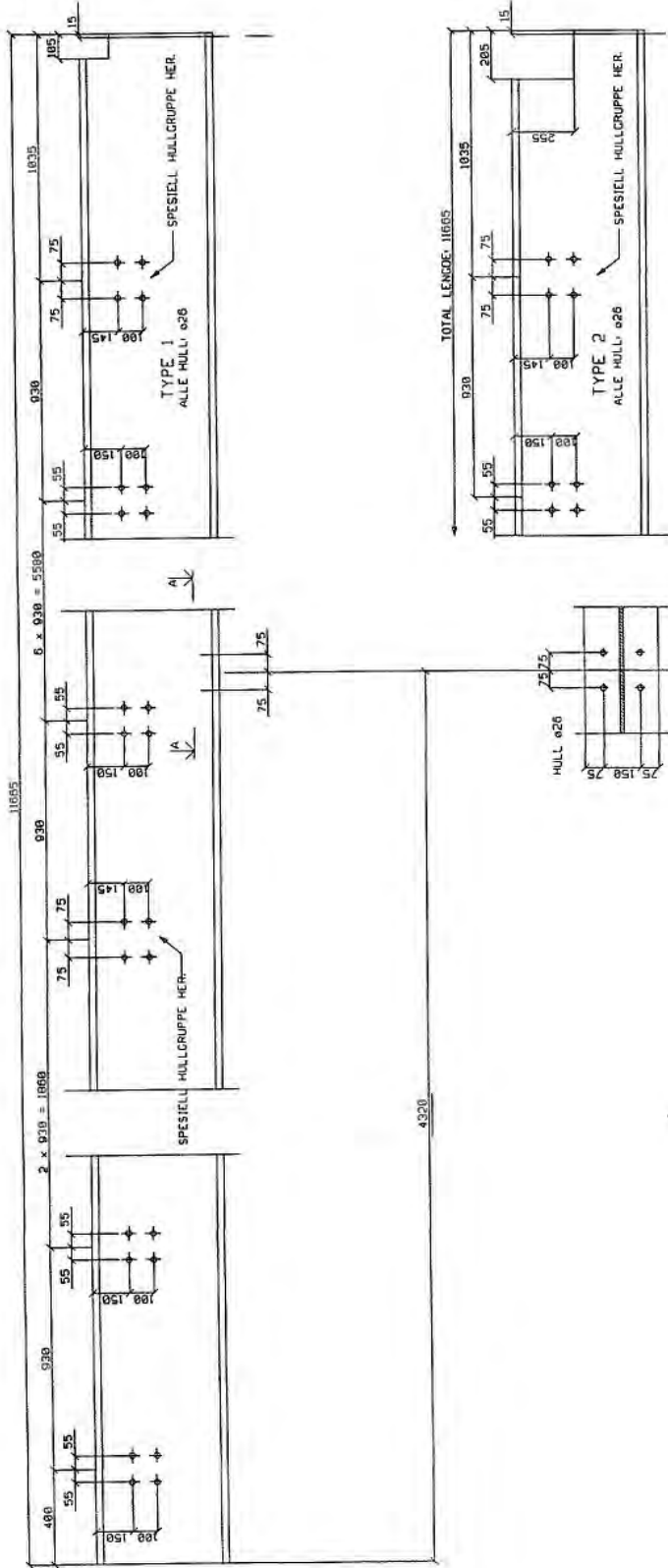
ØPDRISS

POS. ANT.	BENEVELSEL	DIMENSJONER mm VEKT 1 kg			STÅLKVALITET
		LDNGE	BRØDDE	TYKK.	
1	2 HE 508B	1165	-	2181	4102 SL 52-3N (FeS1000)
2	2 HE 508B	1165	-	2181	4102 SL 52-3N (FeS1000)
3	4 PLATE	310	300	20	80 RSL37-2 (Fe3008FN)
4	2 PLATE	400	322	28	42 RSL37-2 (Fe3008FN)
5	2 PLATE	800	400	28	51 102 RSL37-2 (Fe3008FN)
6	2 PLATE	252	444	20	36 RSL37-2 (Fe3008FN)
7	2 PLATE	150	190	20	3 RSL37-2 (Fe3008FN)
8	2 PLATE	538	252	20	52 RSL37-2 (Fe3008FN)
9	2 PLATE	840	358	25	58 238 RSL37-2 (Fe3008FN)
10	2 PLATE	395	288	25	4 RSL37-2 (Fe3008FN)
11	2 PLATE	320	65	15	2 RSL37-2 (Fe3008FN)
12	2 PLATE	80	40	15	1 RSL37-2 (Fe3008FN)
13	2 PLATE	320	105	15	4 RSL37-2 (Fe3008FN)
14	2 PLATE	780	750	45	213 428 RSL37-2 (Fe3008FN)
15	2 PLATE	480	170	45	24 90 RSL37-2 (Fe3008FN)
16	4 PLATE	840	358	25	58 238 RSL37-2 (Fe3008FN)
17	4 PLATE	220	228	25	18 36 RSL37-2 (Fe3008FN)
18	2 PLATE	328	238	15	9 18 RSL37-2 (Fe3008FN)
19	2 PLATE	320	265	15	6 12 RSL37-2 (Fe3008FN)
20	2 PLATE	288	142	15	5 10 RSL37-2 (Fe3008FN)
21	2 PLATE	750	758	45	213 428 RSL37-2 (Fe3008FN)
22	2 PLATE	322	272	20	14 28 RSL37-2 (Fe3008FN)
23	2 PLATE	350	182	28	10 20 RSL37-2 (Fe3008FN)
24	2 PLATE	281	180	15	3 24 RSL37-2 (Fe3008FN)
25	2 PLATE	780	388	25	42 84 RSL37-2 (Fe3008FN)
26	2 PLATE	127	100	10	1 14 RSL37-2 (Fe3008FN)
27	2 PLATE	494	252	20	22 44 RSL37-2 (Fe3008FN)
28	2 PLATE	332	252	20	13 26 RSL37-2 (Fe3008FN)
SUM 18455					

HEI ALLE DIMENSJONER I TABELL ER TEORETISKE MÅL



INSTR. ODL. DRG.	REVISJON	DRG. NR.	DRG. DAT.	DRG. BESKR.
STATENS VEGVESEN	Standard ferjeforbør 7 x 12			
HOVEDBÆLKER	PLATER OG MATERIELLISTE			
Yngrefabrikkens bygning, Østfold	K.T.Øderud	OKleppe		
Varigh. Et. nr.	Bl. nr.	92	3	02-11A

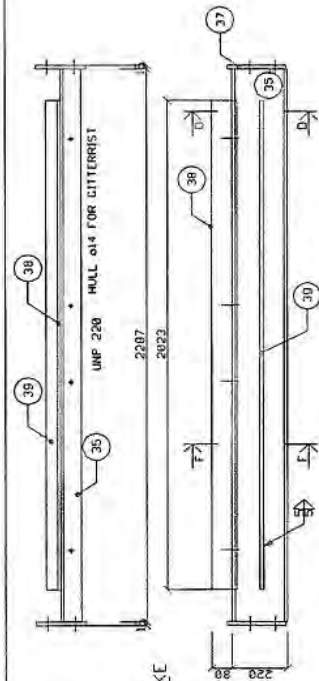


-TYPE 1: YTRE HOVEDDELKE
 -TYPE 2: INNRE HOVEDDELKE

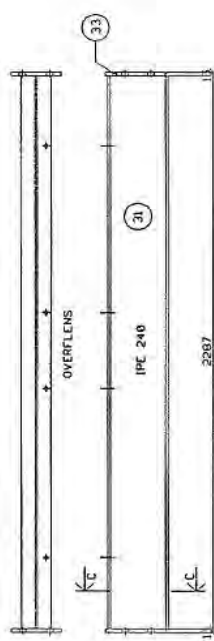
Partene		b	h	Bestell	Kir.
Materiale		Material	Material	Material	Material
STATENS VEGVESEN		110	110	260202	260202
Standard for Jernbrikk 7 x 12		110	110	260202	260202
HOVEDDELKER					
HULL OG SKJERINGER					
Vegfartenets brukning, Oslo-Mo-06					
H.T. 10/10-ud					
14/10/10					
ØKkeppe					
Oppg					
Erstatning 10/10					
Verdjan	St. nr.	Bl. nr.			
92	3	02-IV			

POS	ANT.	BENEVNELSE	DIMENSJONER med VEKT I KG		STÅLVALGTEI
			LONG. BROKK	TRUC. PRSTR.	
31	27	IPE 240	78	1897	St52-3N (Fe5100D)
32	0	HE 240A	138	828	RS137-2 (Fe360BFN)
33	54	PLATE	240	288	RS137-2 (Fe360BFN)
34	12	PLATE	240	258	RS137-2 (Fe360BFN)
35	1	UMP220	2287	..	RS137-2 (Fe360BFN)
36	2	UMP220	2287	..	RS137-2 (Fe360BFN)
37	0	PLATE	235	288	RS137-2 (Fe360BFN)
38	1	PLATE	2023	100	RS137-2 (Fe360BFN)
39	1	PLATE	2023	60	RS137-2 (Fe360BFN)
40	4	PLATE	58	28	RS137-2 (Fe360BFN)
				SUM	3397

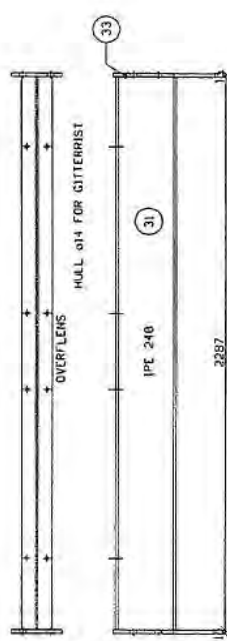
MIDTRE PANELBJELKE
1 STK.



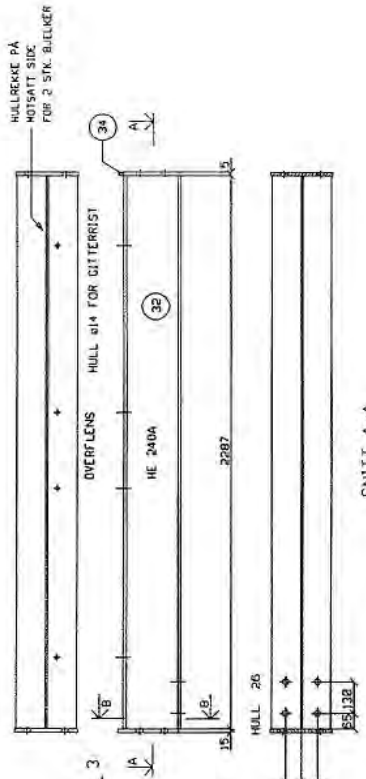
TVERRBJELKE TYPE 1
21 STK.



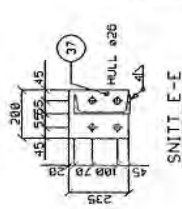
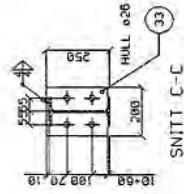
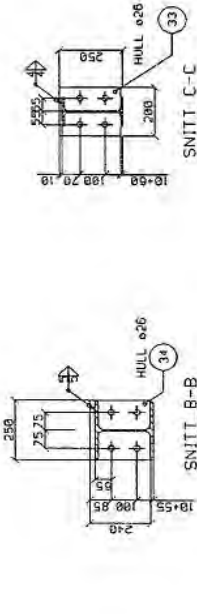
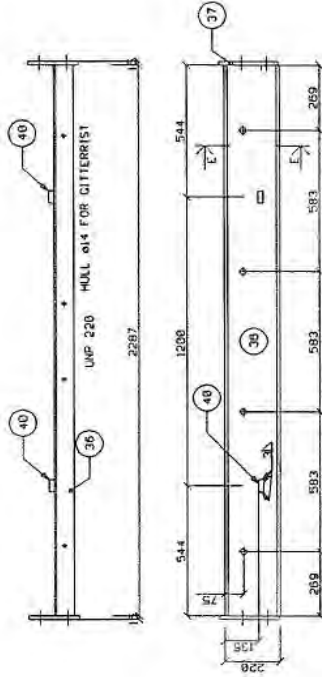
TVERRBJELKE TYPE 2
6 STK.



TVERRBJELKE TYPE 3
6 STK.

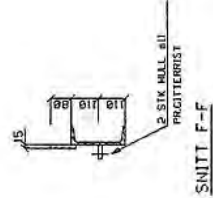


YTRE PANELBJELKE
2 STK.



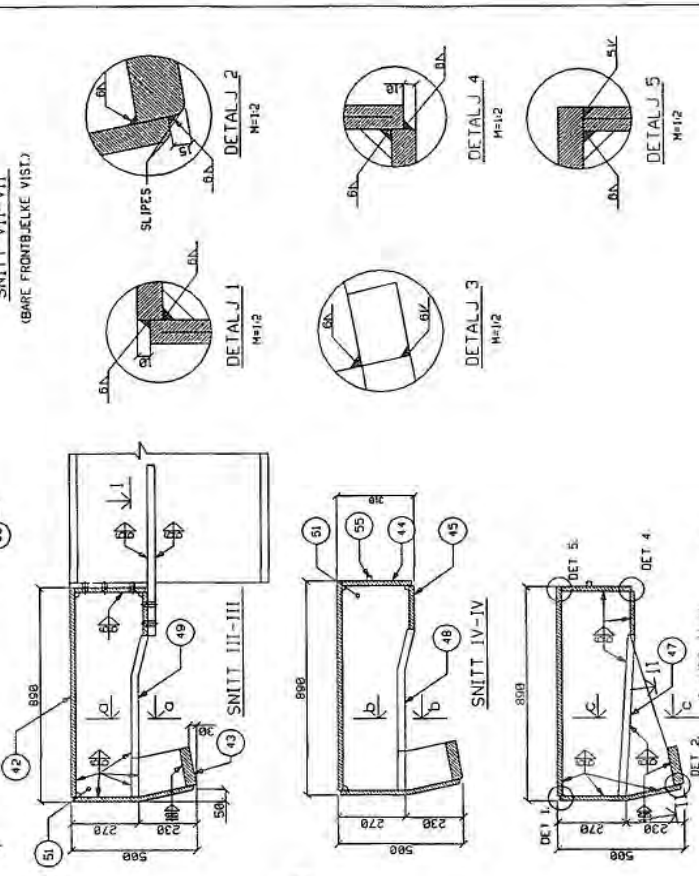
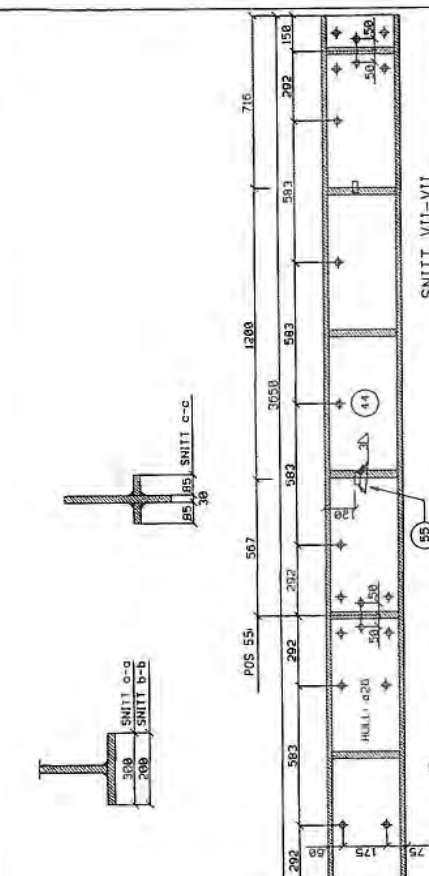
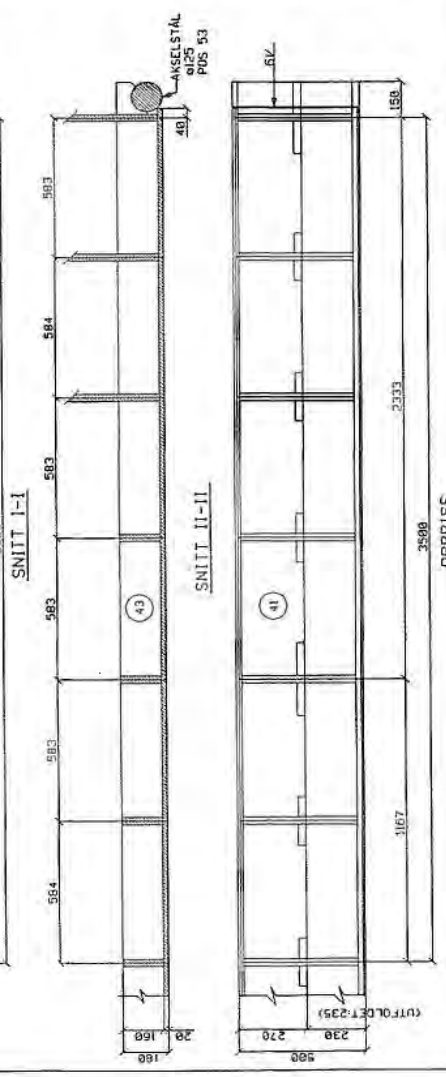
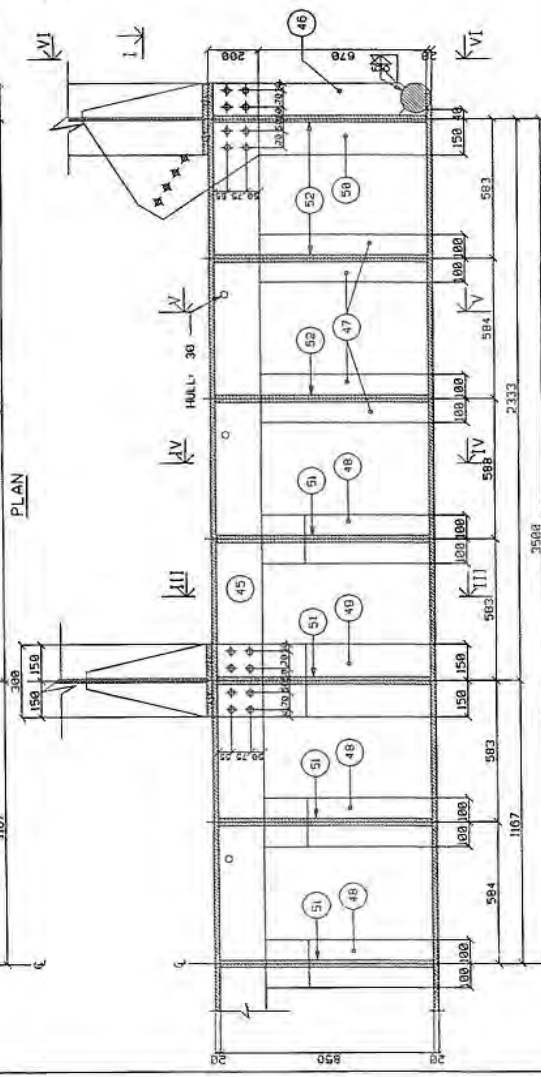
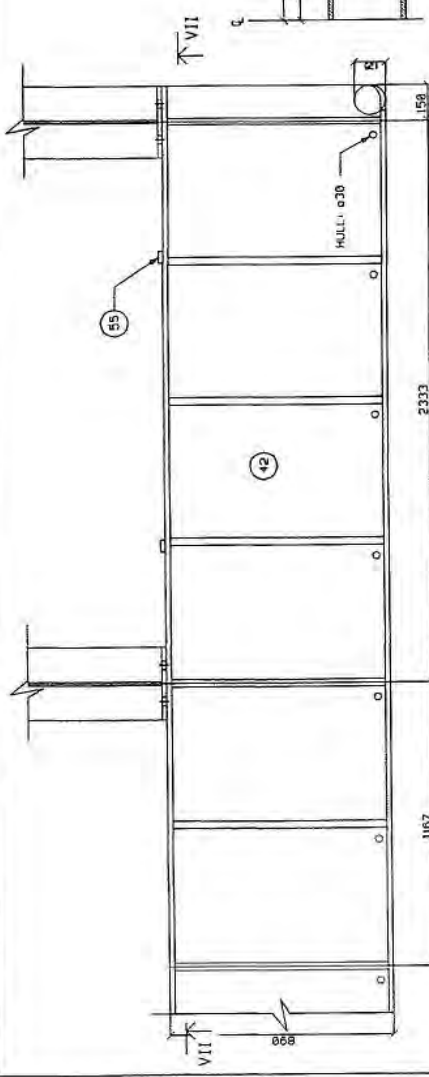
BERING I OVERFLENSER
UTF. RES I SAMSVAR MED
GITTERSTOKES VIKSELLE
K L

SNITT D-D



SNITT A-A

Dato	Revisjon	Rev. No.	Rev. Dato	Rev. Beskr.
STATENS VEGVESEN				
Standard for Julebrun 7 x 12				
TYRRBJELKER				
Vegretorsete brovending, Øvnings- og HT Øderud				
HT Øderud				
0. Kleppe				
ca/gno				
Vegretorsete brovending, Øvnings- og HT Øderud				
HT Øderud				
0. Kleppe				
ca/gno				
Varighet	St. nos.	Bl. nos.		
92	3	03		



IBESKJ. DVL. EINH.	IBESKJ. DVL. EINH.	IBESKJ. DVL. EINH.	IBESKJ. DVL. EINH.	IBESKJ. DVL. EINH.
STATENS VEGVESEN	STATENS VEGVESEN	STATENS VEGVESEN	STATENS VEGVESEN	STATENS VEGVESEN
Standard for Julebruu 7 x 12	Standard for Julebruu 7 x 12	Standard for Julebruu 7 x 12	Standard for Julebruu 7 x 12	Standard for Julebruu 7 x 12
FRONTBJELKE	FRONTBJELKE	FRONTBJELKE	FRONTBJELKE	FRONTBJELKE
MED DETALJER	MED DETALJER	MED DETALJER	MED DETALJER	MED DETALJER
Vegdraktrelat. Bruvending, Oslo/A3-08	Vegdraktrelat. Bruvending, Oslo/A3-08	Vegdraktrelat. Bruvending, Oslo/A3-08	Vegdraktrelat. Bruvending, Oslo/A3-08	Vegdraktrelat. Bruvending, Oslo/A3-08
H.T. Bøkerud	H.T. Bøkerud	H.T. Bøkerud	H.T. Bøkerud	H.T. Bøkerud
tegn	tegn	tegn	tegn	tegn
04/99	04/99	04/99	04/99	04/99
92	92	92	92	92
3	3	3	3	3
Ø4-1A	Ø4-1A	Ø4-1A	Ø4-1A	Ø4-1A

DRP/ISS

88) FULL LÆNGDE 2824

84) FULL LÆNGDE 2172

SYMLINJE

HE 248A

HE 248A

HE 248A

HE 248A

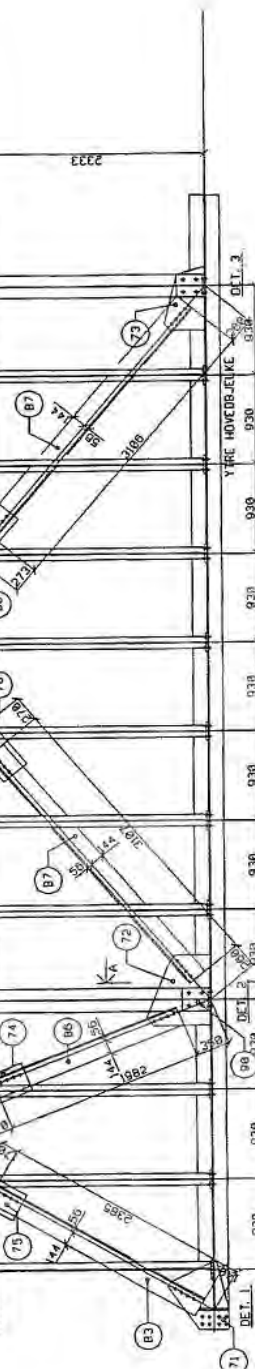
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88) 87) 86) 85) 84) 83) 82) 81) 80) 79) 78) 77) 76) 75) 74) 73) 72)

88) 87) 86) 85) 84) 83) 82) 81) 80) 79) 78) 77) 76) 75) 74) 73) 72)

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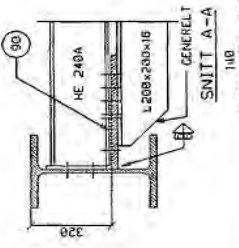
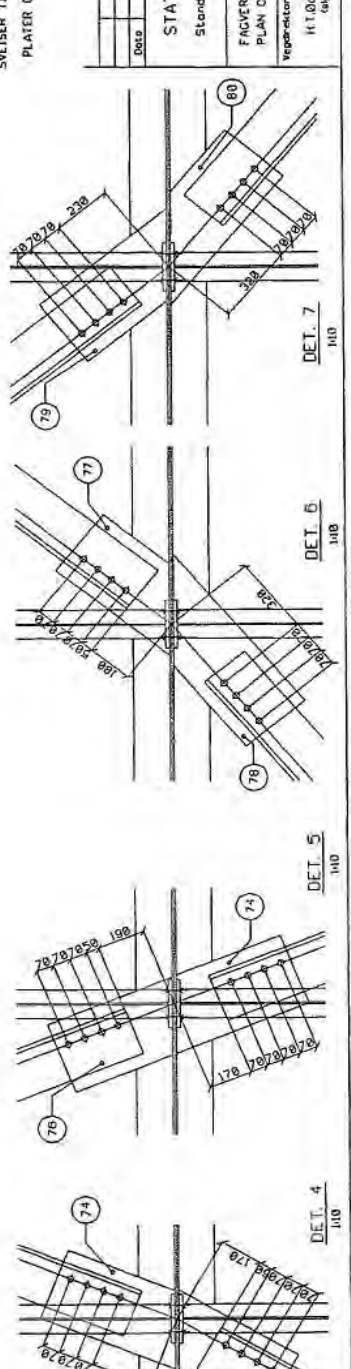
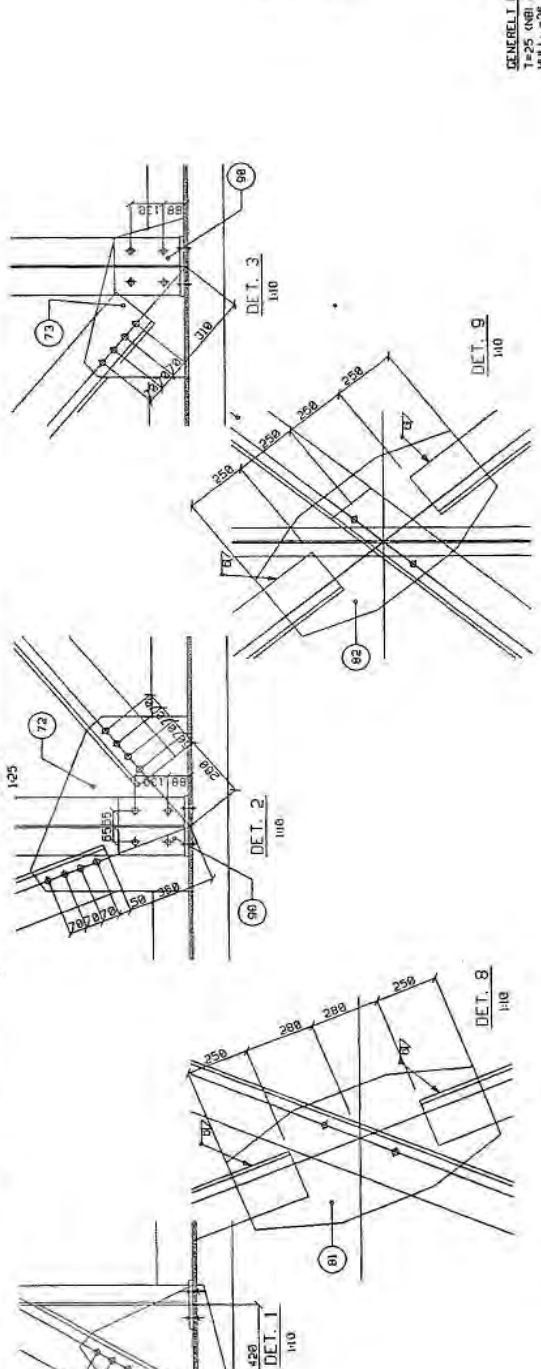
88) 87) 86) 85) 84) 83) 82) 81) 80) 79) 78) 77) 76) 75) 74) 73) 72)



PLAN

1:95

1:10

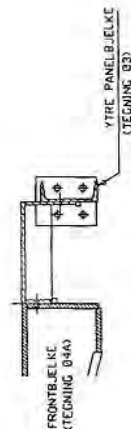
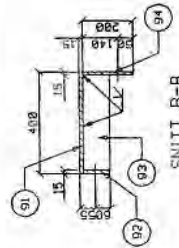
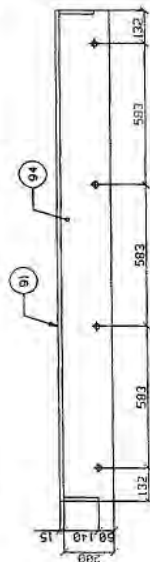
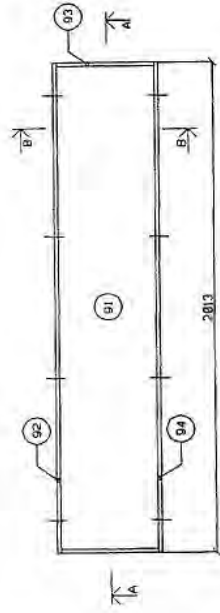
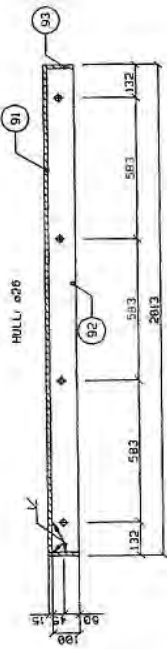


GENERELT FOR ALLE PLATER
(TYPISK FOR ALLE
KNUTEPLATER.)

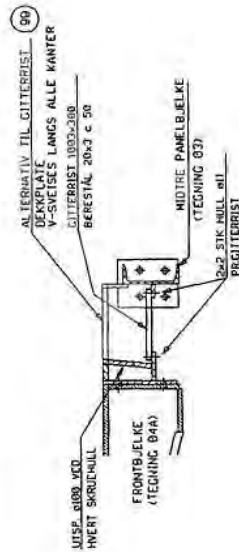
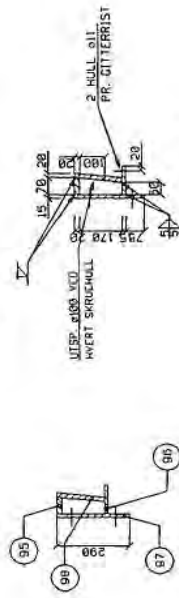
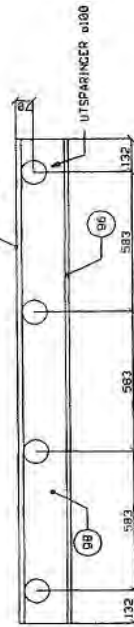
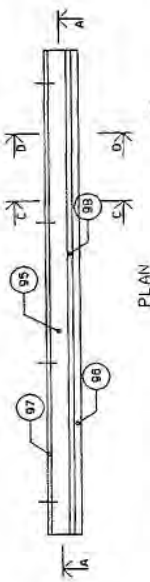
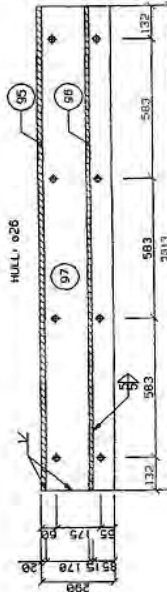
PLATER OG MATERIALLISTER ER VIST PÅ TECH. NR. 698

| Dele | betegnelse | Måle | Antallet | Material | Antallet |
|------|----------------------------------------------------------|------|----------|----------|----------|
| | STATENS VEGVESEN | 1:25 | 1:25 | 1:25 | 1:25 |
| | Standard for Julebrun 7 x 12 | 1:18 | 1:18 | 1:18 | 1:18 |
| | FACVÆRK
PLAN OG DETALJER | 1:25 | 1:25 | 1:25 | 1:25 |
| | Vejvaretogets Erhvervs- og Oplejnings
(H. Oplejnings) | 1:25 | 1:25 | 1:25 | 1:25 |
| | ØKologisk
(ØKO) | 1:25 | 1:25 | 1:25 | 1:25 |
| | Vers. for 1:10 | 1:25 | 1:25 | 1:25 | 1:25 |
| | Bl. nr. | 1:25 | 1:25 | 1:25 | 1:25 |
| | 92 | 3 | Ø5-1 | | |

| POS | ANT. | BENEVENNELSE | DIMENSJONER INN VERT I kg | | | STÅLKVALITET | | | |
|-----|------|--------------|---------------------------|-------|--------|--------------|---------|-------------|-------------|
| | | | LENGDE | TVEK. | TOTALT | | | | |
| 91 | 2 | PLATE | 2813 | 488 | 15 | 204 | RS137-2 | cf. 6308BFN | |
| 92 | 2 | PLATE | 2013 | 100 | 15 | 25 | 50 | RS137-2 | cf. 6308BFN |
| 93 | 4 | PLATE | 2008 | 185 | 15 | 5 | 20 | RS137-2 | cf. 6308BFN |
| 94 | 2 | PLATE | 2023 | 200 | 15 | 48 | 60 | RS137-2 | cf. 6308BFN |
| 95 | 1 | PLATE | 2023 | 78 | 20 | 29 | 29 | RS137-2 | cf. 6308BFN |
| 96 | 1 | PLATE | 2823 | 128 | 15 | 29 | 29 | RS137-2 | cf. 6308BFN |
| 97 | 1 | PLATE | 2823 | 208 | 15 | 78 | 78 | RS137-2 | cf. 6308BFN |
| 98 | 1 | PLATE | 2823 | 192 | 20 | 61 | 61 | RS137-2 | cf. 6308BFN |
| | | | | SUM | | 555 | | | |
| 99 | 1 | PLATE | 2023 | 300 | 15 | 73 | 73 | RS137-2 | cf. 6308BFN |



SIDEPANEL
2 STK.

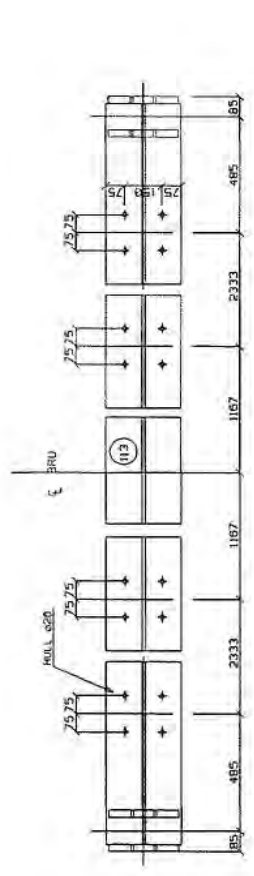


MIDIPANEL
1 STK.

POS 91 OG 98 KAN ERSTATTES MED 5 MM PLATER HVIS FERDELLETT BARE SKAL ANLØPES AV FENJER MED FALLPØNT.

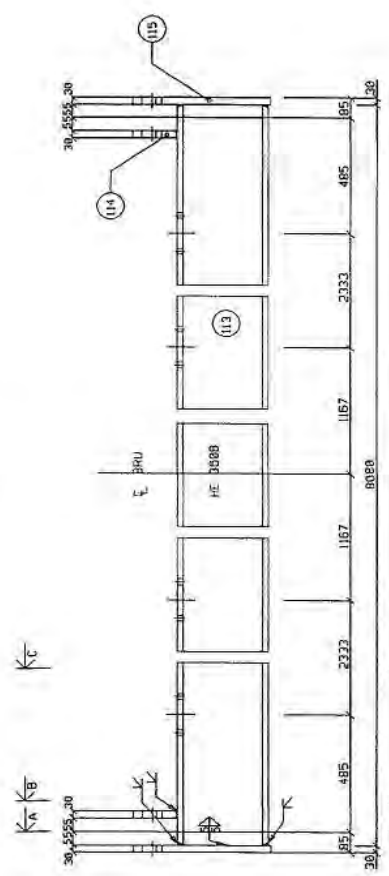
| PRØVE | DATE | LØS SIKRING PÅ HUS OG DE 32 | | b | j1 | Bl. nr. | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------|----------|---|----|---------|--------|-----|---------|----------|--------|-----|---------|--|--------|-----|---------|--|
| | | Nettside | For. | | | | | | | | | | | | | | | |
| STATENS VECVESEN | | | | | | | | | | | | | | | | | | |
| Standard for Jøkebru 7 x 12 | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Antall</td> <td>110</td> <td>Bl. nr.</td> <td>28.02.92</td> </tr> <tr> <td>Antall</td> <td>198</td> <td>Bl. nr.</td> <td></td> </tr> <tr> <td>Antall</td> <td>132</td> <td>Bl. nr.</td> <td></td> </tr> </table> | | | | | | | Antall | 110 | Bl. nr. | 28.02.92 | Antall | 198 | Bl. nr. | | Antall | 132 | Bl. nr. | |
| Antall | 110 | Bl. nr. | 28.02.92 | | | | | | | | | | | | | | | |
| Antall | 198 | Bl. nr. | | | | | | | | | | | | | | | | |
| Antall | 132 | Bl. nr. | | | | | | | | | | | | | | | | |
| PANELER BAK FRONTBJELKE | | | | | | | | | | | | | | | | | | |
| Vegdeaktørats brukning. DenoKor-06 | | | | | | | | | | | | | | | | | | |
| H.T. Østlund | | | | | | | | | | | | | | | | | | |
| 0. Kløpper | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 06A | | | | | | | | | | | | | | | | | | |

| POS. | ANT. | BETEGNELSEL | DIMENSJONER mm | | | VEKT I kg | STÅLKVALITET |
|------|------|-------------|----------------|--------|------|-----------|------------------------|
| | | | LØSSE | BRØDST | TISK | | |
| 111 | 2 | PLATE | 5200 | 800 | 15 | 374 | 74B RSL37-2 (F6300BFV) |
| 112 | 82 | KANSTÅL Ø12 | 400 | - | - | - | 20 K5085 |
| 113 | 1 | HE 30808 | 8080 | - | - | 1146 | 1148 S452-38 (F451001) |
| 114 | 2 | PLATE | 175 | 280 | 30 | 12 | 24 RSL37-2 (F6300BFV) |
| 115 | 2 | PLATE | 945 | 280 | 30 | 37 | 73 RSL37-2 (F6300BFV) |
| SUM | | | | | | 2022 | |



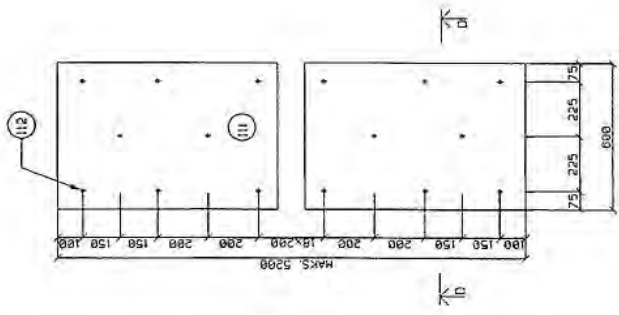
PLAN HEISBJELKE

110



OPPRISS HEISBJELKE

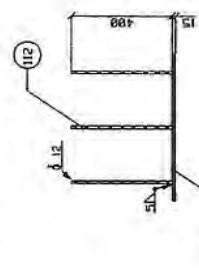
110



OPPRISS CLIDEPLATE

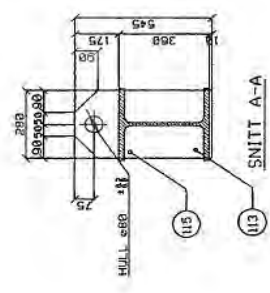
110

ANTALL POS 112 MÅ
LEGGES TIL POS 111
TILPASSER VALGTE NIVÅER
FOR KAI OG STOPPBELKE.
SE TEIHING 15.

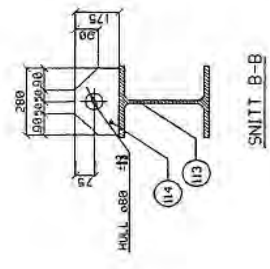


SNITT D-D

110



SNITT A-A



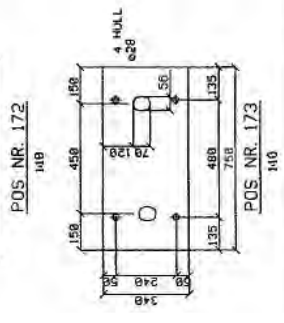
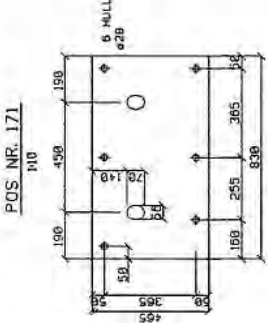
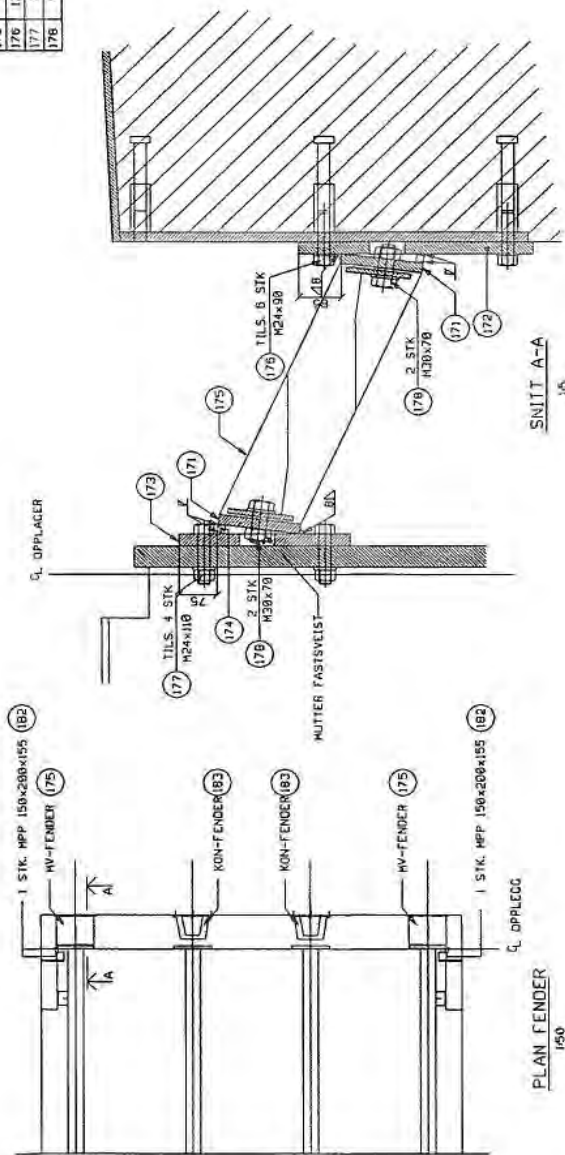
SNITT B-B

BEMERKNINGER

FØR FESTE FOR HYDRAULIKSYLINDER LAGES, SKAL
STÅLFESTENE TA KONTAKT MED VEDKONTOR/
HYDRAULIKLEIENDE FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN SYLINDEREN SOM SKAL BRUKES.

| 18024 | DEL | EGEN | b | | KLE |
|-------------------------------|-----|------|-----|------|-----|
| | | | MÅL | RETT | |
| 18024 | DEL | EGEN | 110 | 110 | 110 |
| STATENS VEGVESEN | | | | | |
| Standard for Jekkebru 7 x 12 | | | | | |
| HEISEBJELKE | | | | | |
| HNSSTOPT CLIDEPLATE | | | | | |
| Vegvesenets brukning, Oslo-08 | | | | | |
| H.T. Østervud (egn) | | | | | |
| D.Kleppa (egn) | | | | | |
| versjok. Bl. nr. | | | | | |
| Bl. nr. | | | | | |
| 92 | | | | | |
| 3 | | | | | |
| 07A | | | | | |

| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | | STÅLKVALITET | | | | |
|------|------|-----------------------|----------------|-------|--------------|------|-----------|-----------------|--|
| | | | LENGDE | BREDD | | TYK. | VEKT 1 KG | TOTALT | |
| 171 | 4 | PLATE | 750 | 165 | 20 | 90 | RS137-2 | 4F3008FN | |
| 172 | 2 | PLATE | 838 | 185 | 25 | 77 | RS137-2 | 4F3008FN | |
| 173 | 2 | PLATE | 758 | 348 | 25 | 51 | RS137-2 | 4F3008FN | |
| 174 | 4 | PLATE | 758 | 20 | 15 | 2 | RS137-2 | 4F3008FN | |
| 175 | 2 | FENDER HV 558x208x155 | | | | | | FRELLER KVAL. A | |
| 176 | 12 | SRRUER M24x90 | | | | | | | |
| 177 | 8 | SRRUER M24x110 | | | | | | | |
| 178 | 8 | SRRUER M30x70 | | | | | | | |
| SUM | | | | | | | 348 | | |

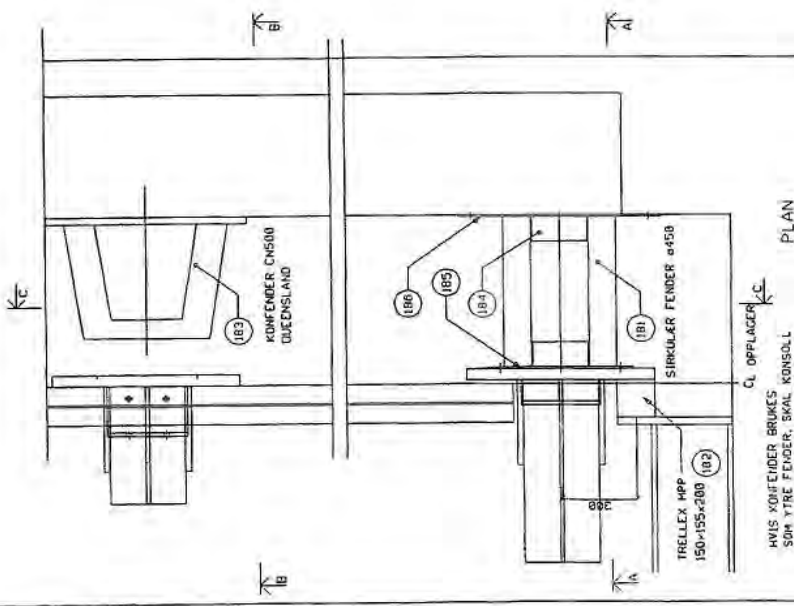


FOR POS NR. 182 OG 183, SE TEDNING NR. 090.

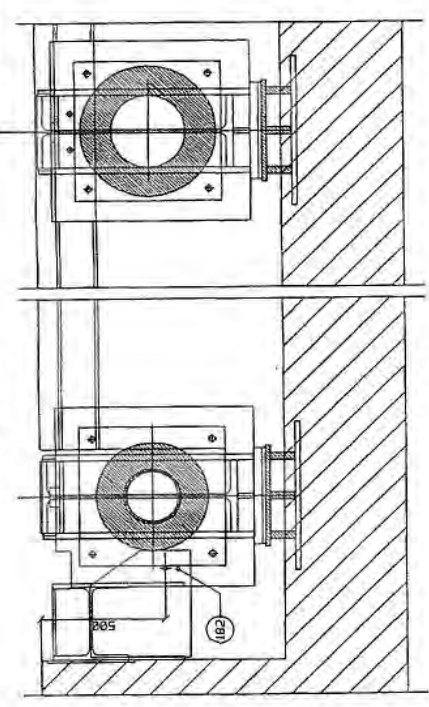
| Data | Referanse | Ant. | Bestell | Kr. |
|----------------------------------|-----------------|------|----------------|--------|
| STATENS VEGVESEN | | 158 | Tapover | 200202 |
| Standard fer-jelkabrø 7 x 12 | | 110 | Kr. P5 | 200202 |
| | | 80 | Truss. | |
| | | | Trussl. | |
| | | | Erstatning for | |
| HV-FENDER | | | | |
| Vegferrutslutsbrønding, Ø160x108 | | | | |
| H.T.Øderud (sign) | Ø.Kleppe (sign) | 92 | 3 | 09-11 |

CL YTRE HOVEDBJELKE

CL INNRE HOVEDBJELKE

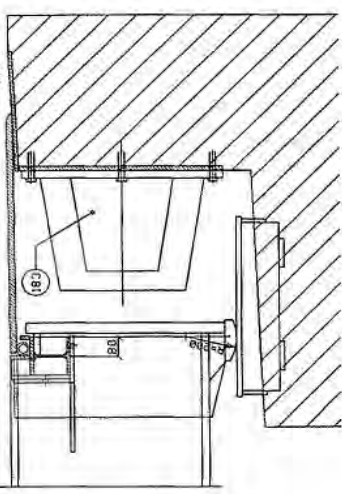


PLAN 1/10
 HVIS KUMPFENDER BRUKES
 SOM YTRE FENDER, SKAL KONSOLL
 OG HJØRFENDER MONTERES I YTRE
 STILLING.



SNITT C-C
 1/10

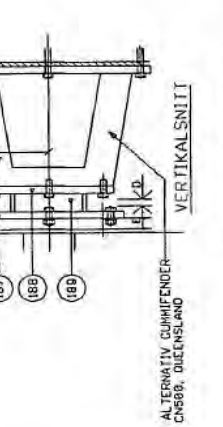
SNITT B-B
 1/10



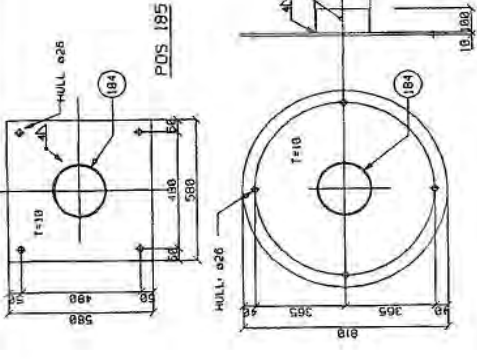
SNITT B-B
 INNRE HOVEDBJELKE
 1/10



ALTERNATIV YTRE FENDER
 Ø450, DUEENSLAND
 VERTIKALSNIITT



SOM ALTERNATIV YTRE FENDER
 KAN BRUKES KONFERENDE Ø450 MED
 STREKFORBINDELSE TIL HOVEDBJELKE

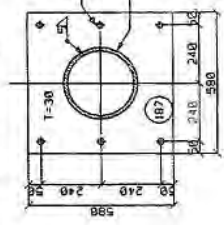


POS 186

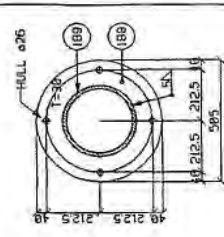
POS 185

| POS | ANT. | BENEVLELSE | DIMENSJONER | MIN | MAK | VEKT | L | KG | STÅLKVALITET |
|-----|------|------------------|-------------|-------|-------|---------|---------|------------|--------------|
| | | | LENGDE | BREDE | TYKK. | FINISJ. | TOTALT | | |
| 181 | 2 | KUMPFENDER Ø450 | 615 | - | - | - | - | - | - |
| 182 | 2 | KUMPFENDER MPP | 155 | 150 | 200 | - | - | - | - |
| 183 | 2 | KUMPFENDER CN500 | - | - | - | - | - | - | - |
| 184 | 4 | ROR Ø219 | 100 | - | 5 | 12 | RS137-2 | (F 6300-B) | |
| 185 | 2 | PLATE | 580 | 580 | 10 | 26 | 50 | RS137-2 | (F 6300-B) |
| 186 | 2 | PLATE Ø610 | - | - | - | 52 | 184 | RS137-2 | (F 6300-B) |

SUM. ALTERNATIV SYLINGFENDER OG KONFERENDE 172



SNITT D-D



SNITT E-E

| POS | ANT. | BENEVLELSE | DIMENSJONER | MIN | MAK | VEKT | L | KG | STÅLKVALITET |
|-----|------|------------------|-------------|-------|-------|---------|--------|---------|--------------|
| | | | LENGDE | BREDE | TYKK. | FINISJ. | TOTALT | | |
| 182 | 2 | KUMPFENDER MPP | 155 | 150 | 200 | - | - | - | - |
| 183 | 4 | KUMPFENDER CN500 | - | - | - | - | - | - | - |
| 187 | 2 | PLATE Ø505 | - | - | - | 30 | 61 | 122 | RS137-2 |
| 188 | 2 | ROR Ø208,5 | 75 | - | 10 | 9 | 18 | RS137-2 | (F 6300-B) |
| 189 | 2 | ROR Ø208,5 | - | - | - | - | - | - | - |

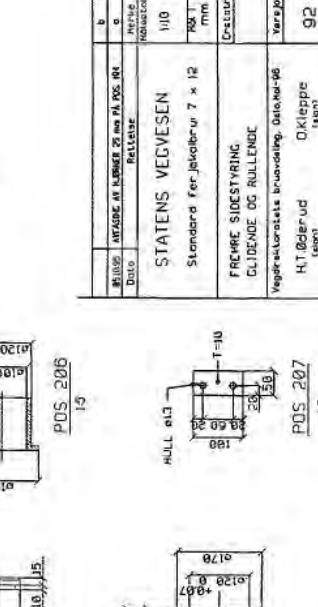
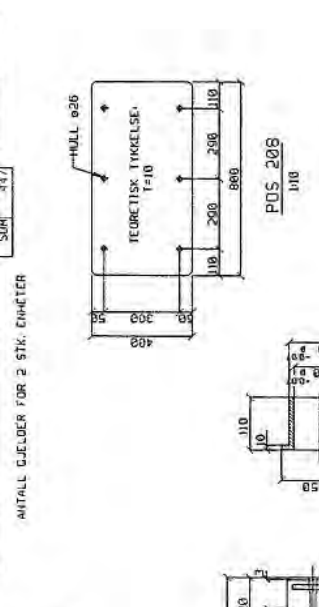
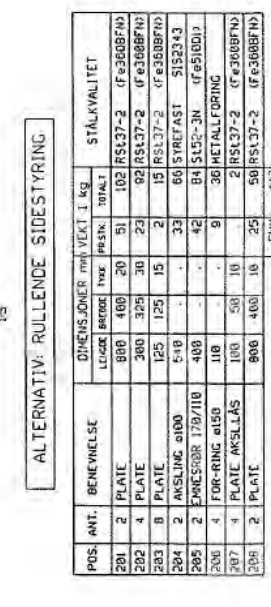
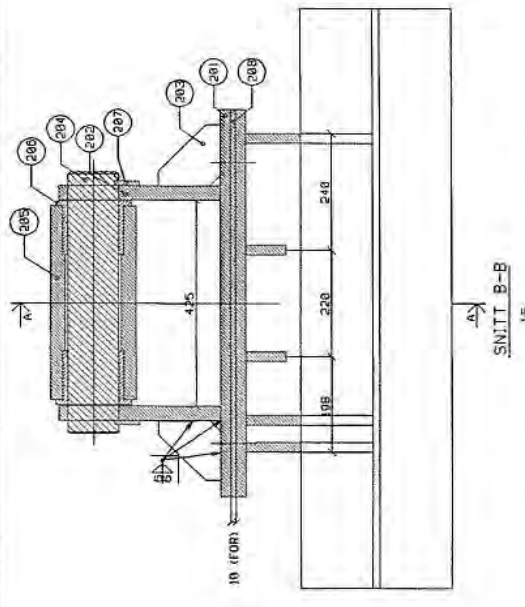
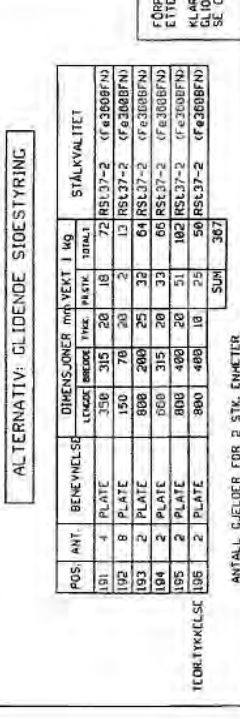
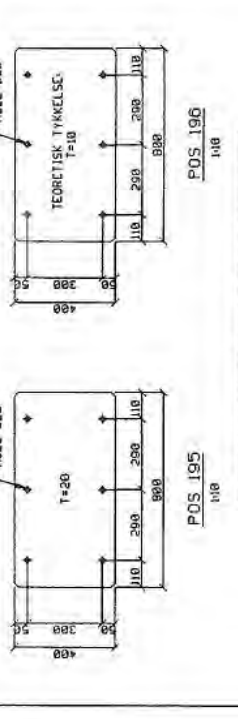
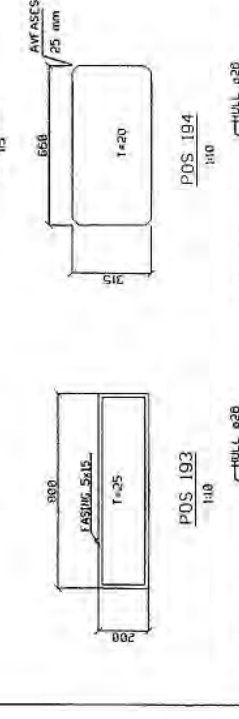
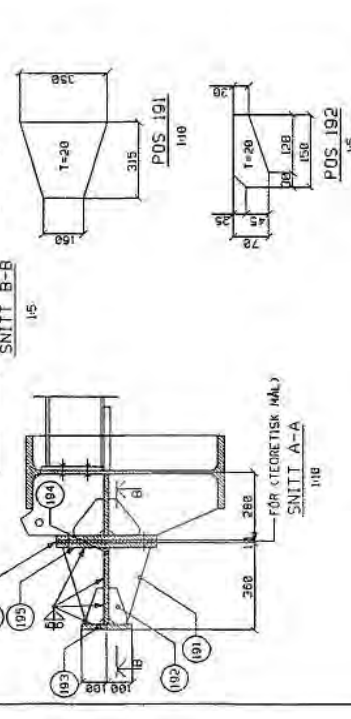
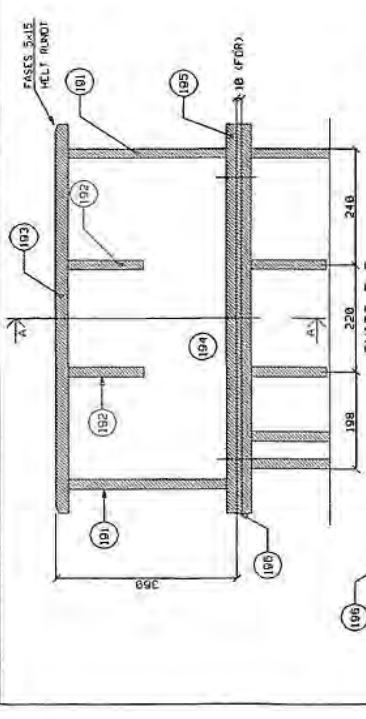
SUM. ALTERNATIV BARE KONFERENDE 302

| POS | ANT. | BENEVLELSE | DIMENSJONER | MIN | MAK | VEKT | L | KG | STÅLKVALITET |
|-----|------|------------------|-------------|-------|-------|---------|--------|---------|--------------|
| | | | LENGDE | BREDE | TYKK. | FINISJ. | TOTALT | | |
| 182 | 2 | KUMPFENDER MPP | 155 | 150 | 200 | - | - | - | - |
| 183 | 4 | KUMPFENDER CN500 | - | - | - | - | - | - | - |
| 187 | 2 | PLATE Ø505 | - | - | - | 30 | 61 | 122 | RS137-2 |
| 188 | 2 | ROR Ø208,5 | 75 | - | 10 | 9 | 18 | RS137-2 | (F 6300-B) |
| 189 | 2 | ROR Ø208,5 | - | - | - | - | - | - | - |

| BRUKER | DR. EGG | RETTLES | D. | B. | BL. nr. |
|----------------------------------|----------|-------------|---------|----|-------------|
| SOTS | REVISJON | Tegning nr. | kr. ps. | mm | Tegning nr. |
| STATENS VEGVESEN | 110 | 102/000 | 110 | 15 | 02/000 |
| Standard ferjekabov 7 x 12 | 101 | 110 | 15 | 15 | 110 |
| FENDER | 110 | 110 | 15 | 15 | 110 |
| Vegvedelersats brukning, Doka-Ø8 | 110 | 110 | 15 | 15 | 110 |
| Hj Øderud (egn) | 110 | 110 | 15 | 15 | 110 |
| Økteppe (egn) | 110 | 110 | 15 | 15 | 110 |
| Ver. og Bl. nr. | 92 | 3 | 99-IV | 92 | 3 |

SNITT A-A
 HOVEDBJELKE MV FENDER
 (SIDESTRENG IKKE ANVEKNET)
 1/10

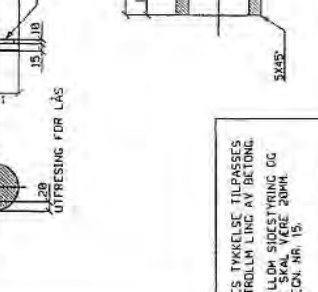
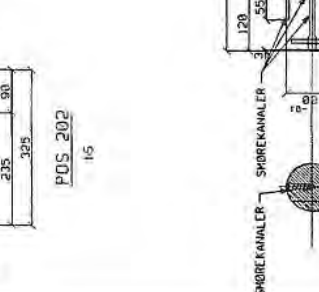
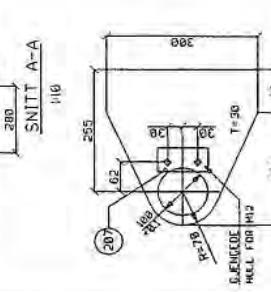
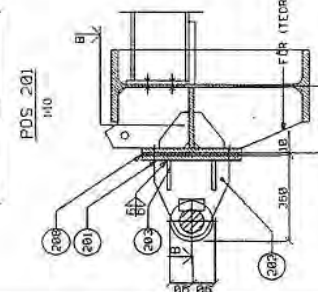
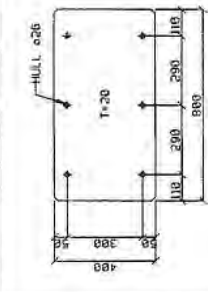
ALLE SKRIVER: 424.



ALTERNATIV: RULLENDE SIDESTYRING

| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I kg | STÅLKVALITET | | | | |
|------|------|-----------------|----------------|-----------|--------------|-----|-----|--------------|------------|
| | | | LØSSE | BRUKT | TOTALT | | | | |
| 201 | 2 | PLATE | 800 | 400 | 20 | 51 | 102 | RS137-2 | (Fe300BFN) |
| 202 | 4 | PLATE | 300 | 325 | 30 | 23 | 92 | RS137-2 | (Fe300BFN) |
| 203 | 8 | PLATE | 125 | 125 | 15 | 2 | 15 | RS137-2 | (Fe300BFN) |
| 204 | 2 | ANSLING ø100 | 510 | - | - | 33 | 66 | STREFAST | S152143 |
| 205 | 2 | EMNESØR 170/110 | 400 | - | - | 42 | 84 | SLS2-JN | (Fe510DD) |
| 206 | 4 | FOR-RING ø150 | 100 | 50 | 10 | 9 | 36 | METALLFORING | |
| 207 | 4 | PLATE ANSLAS | 100 | 50 | 10 | 2 | 8 | RS137-2 | (Fe300BFN) |
| 208 | 2 | PLATE | 800 | 400 | 10 | 25 | 50 | RS137-2 | (Fe300BFN) |
| | | | | | | SUM | 447 | | |

ANTALL GJELDER FOR 2 STK. ENHETER



ALTERNATIV: GLIENDE SIDESTYRING

| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I kg | STÅLKVALITET | | | | |
|------|------|------------|----------------|-----------|--------------|-----|-----|---------|------------|
| | | | LØSSE | BRUKT | TOTALT | | | | |
| 191 | 4 | PLATE | 350 | 315 | 20 | 18 | 72 | RS137-2 | (Fe300BFN) |
| 192 | 8 | PLATE | 150 | 170 | 20 | 2 | 13 | RS137-2 | (Fe300BFN) |
| 193 | 2 | PLATE | 600 | 200 | 25 | 33 | 64 | RS137-2 | (Fe300BFN) |
| 194 | 2 | PLATE | 600 | 315 | 20 | 33 | 66 | RS137-2 | (Fe300BFN) |
| 195 | 2 | PLATE | 800 | 400 | 20 | 51 | 102 | RS137-2 | (Fe300BFN) |
| 196 | 2 | PLATE | 800 | 400 | 10 | 25 | 50 | RS137-2 | (Fe300BFN) |
| | | | | | | SUM | 307 | | |

ANTALL GJELDER FOR 2 STK. ENHETER

| BLISS | INNHAV | AV | REVISJON | DATE | DRUK |
|-------|--------|----|----------|------|------|
| | | | | | |

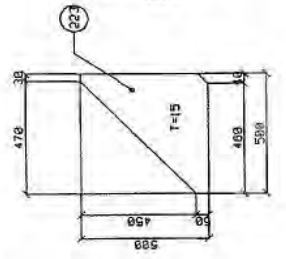
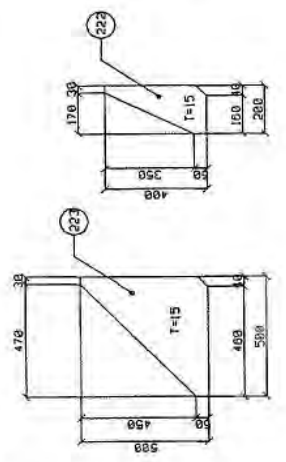
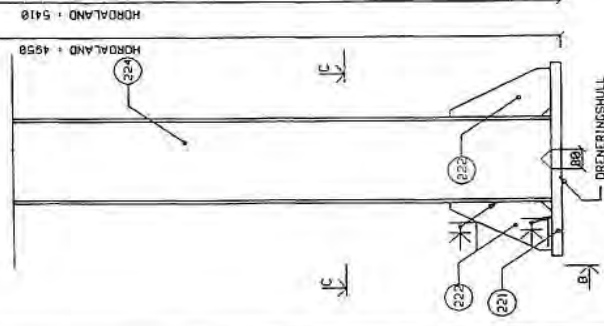
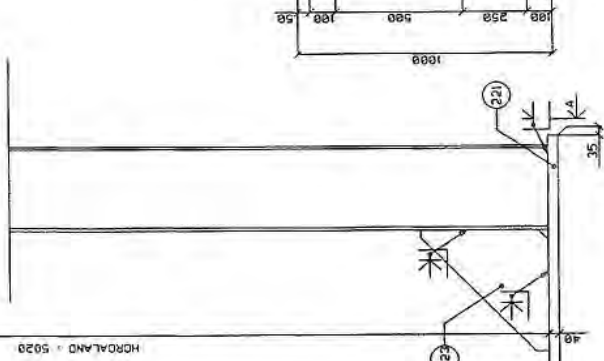
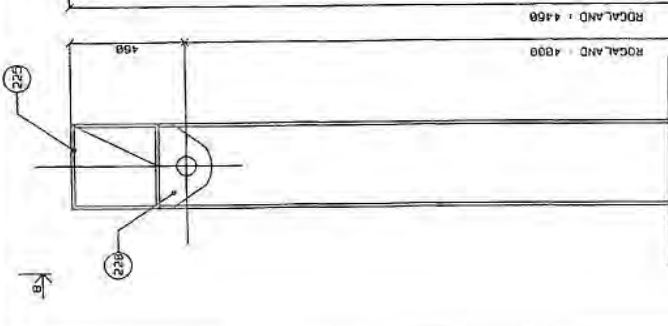
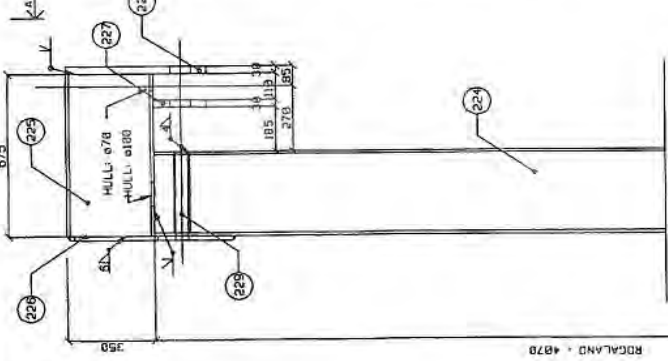
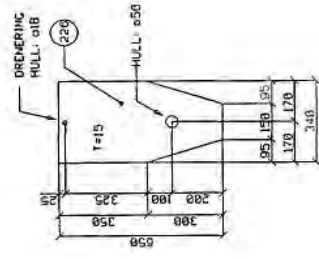
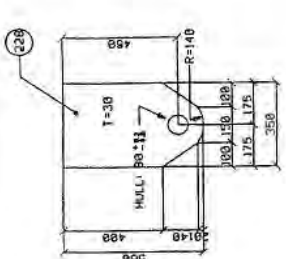
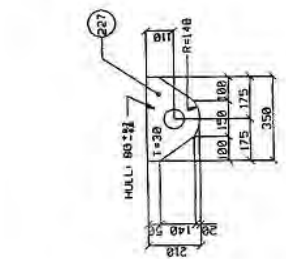
| STATENS VEGVESEN | Standard for Jernbatur 7 x 12 |
|------------------|-------------------------------|
| | |

| FREHRE SIDESTYRING | GLIENDE OG RULLENDE |
|--------------------|---------------------|
| | |

| HT 0609/ud | Dr. lapp | Bl. nr. |
|------------|----------|---------|
| 92 | 3 | 10A |

| POS. | ANT. | BENEVLISL. | DIMENSJONER mm | | VEKT I kg | STÅLKVALITET |
|------------|------|-------------|----------------|------|-----------|-------------------|
| | | | LØSSE | TRUK | | |
| 221 | 2 | PLATE | 1000 | 600 | 49 | S152-3N (F51001) |
| 222 | 4 | PLATE | 400 | 200 | 15 | RSL37-2 (F3000FN) |
| 223 | 4 | PLATE | 500 | 500 | 15 | RSL37-2 (F3000FN) |
| 224 | 2 | HUP 250x12 | 500 | 250 | 822 | S152-3N (F51001) |
| 224 | 2 | HUP 350x12 | 400 | 350 | 565 | S152-3N (F51001) |
| 225 | 2 | HUP 350x12 | 675 | 350 | 84 | S152-3N (F51001) |
| 226 | 2 | PLATE | 650 | 340 | 15 | RSL37-2 (F3000FN) |
| 227 | 2 | PLATE | 300 | 210 | 30 | RSL37-2 (F3000FN) |
| 228 | 2 | PLATE | 500 | 350 | 36 | RSL37-2 (F3000FN) |
| 229 | 2 | RØR Ø55xL=8 | 335 | .. | 3 | RSL37-2 (F3000FN) |
| RODALAND · | | | | | SUM | 2274 |
| RODALAND · | | | | | SUM | 2039 |

HORDALAND ·
RODALAND ·



BEMERKNINGER

HEISETÅRNETS HØYDE ER
NØYAKT, VED ULIKE NIVÅ
PÅ KAI- OG LANDKAR MÅ HØYDEN
TILPASSSES. SE TEIJDUNG NR. 15.

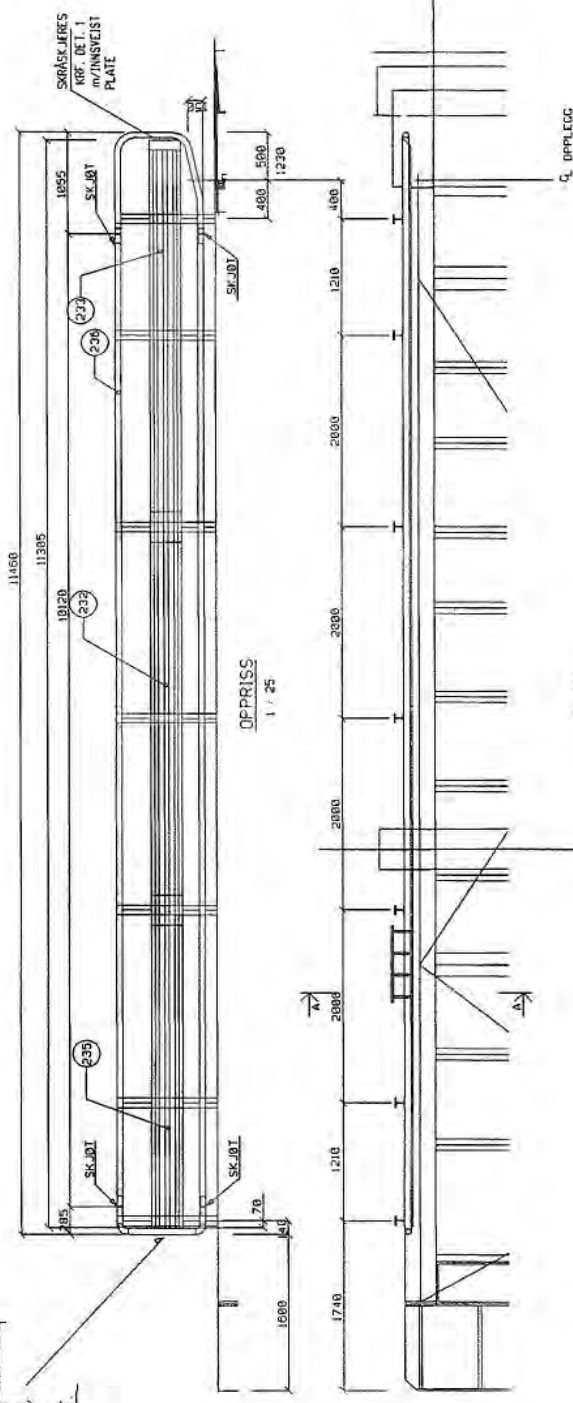
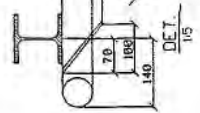
FOR FESTE FOR HYDRAULIKKSTYLINDER LAGES.
SKAL STÅLKVERSTEI TA KONTAKT MED VEGGKONTROL/RY
HYDRAULIKKSTYLINDER FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN STYLINDEREN SOM SKAL BRUKES.

| | | | | | | |
|---------------------------------------|---------------|-----------------|------|-------|--------|---------|
| Date | Opparbeidelse | D | B | Menge | Rettet | SKR. |
| STATENS VEGVESEN | | 1/20 | 1/20 | 1/20 | 1/20 | 2003/02 |
| Standard for Jernbær 7 x 12 | | 1/20 | 1/20 | 1/20 | 1/20 | 2002/02 |
| HEISETÅRNET | | mm | mm | mm | mm | mm |
| Veggedetektors brukning, Detektor-Ø10 | | Erlingborg 7/01 | | | | |
| H. T. Østerud | | 0. Klippe | | | | |
| Veggh | | 1/20 | | | | |
| Veggh, St. nr. | | 92 | | | | |
| Bl. nr. | | 11 | | | | |

SNITT C-C
1/10

SNITT B-B
1/10

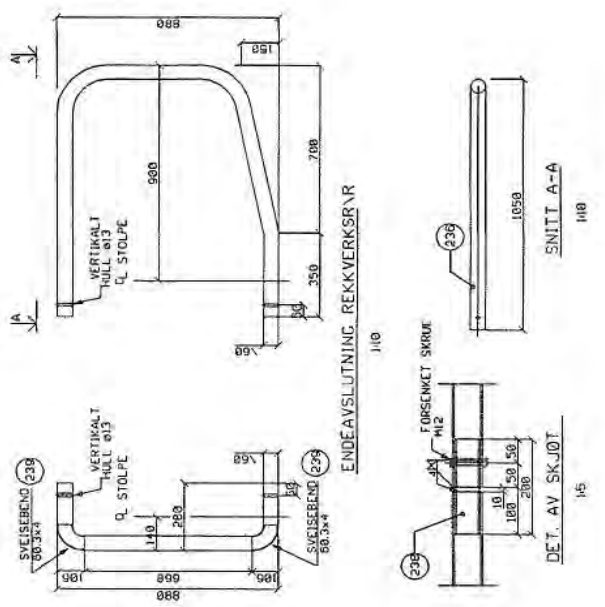
SNITT A-A
1/10



PLAN
1/25

| POS | ANT | BENEVNELSE | DIM. mm | | VEKT I kg | STÅLKVALITET |
|-----|-----|---------------------|---------|-------|-----------|--------------------|
| | | | LEGG | TOTAL | | |
| 231 | 14 | HE 100A | 1270 | 21 | 204 | RSL37-2 (Fø300BFN) |
| 232 | 2 | STANDARD REKKVERKS | 4315 | 49 | 98 | RSL37-2 (Fø300BFN) |
| 233 | 2 | ENDESTYKKE / SKINNE | 4182 | 46 | 98 | RSL37-2 (Fø300BFN) |
| 235 | 2 | LADESTYKKE / SKINNE | 3438 | 40 | 80 | RSL37-2 (Fø300BFN) |
| 236 | LM | GJENDEBR 00.3x3.0 | 50 | M | 252 | RSL37-2 (Fø300BFN) |
| 237 | 28 | FESTEKLEMMER | | 3 | 84 | RSL37-2 (Fø300BFN) |
| 238 | 6 | GJENDEBR 51x3.6 | 200 | 1 | 6 | RSL37-2 (Fø300BFN) |
| 239 | 4 | SVEISEBØD 60.3x4 | | 1 | 4 | RSL37-2 (Fø300BFN) |
| SUM | | | | | 938 | |

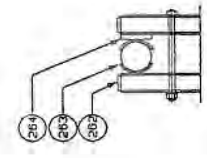
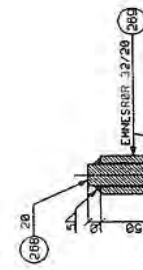
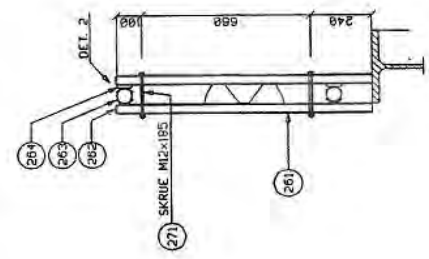
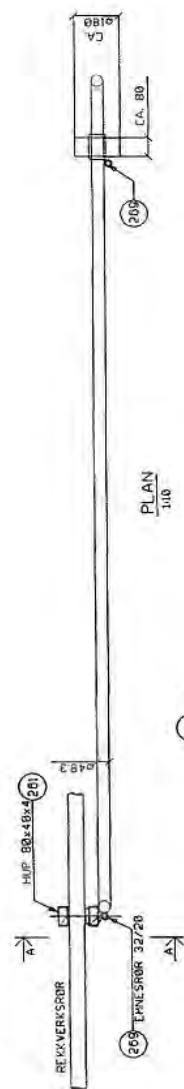
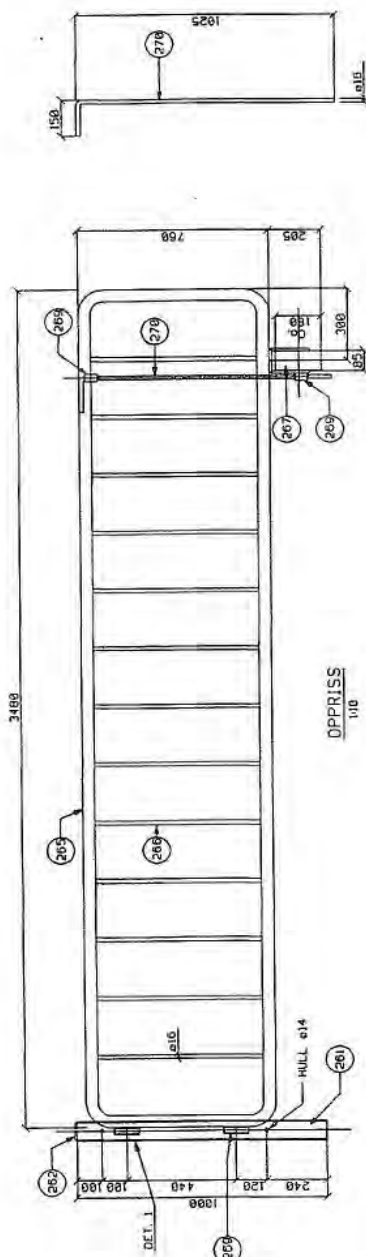
BEMERKNING:
REKKVERKSINNES OMFAR LEGGES
MED TAIKE PÅ HOYRETRAKK



TYPISK SNITT
1/10

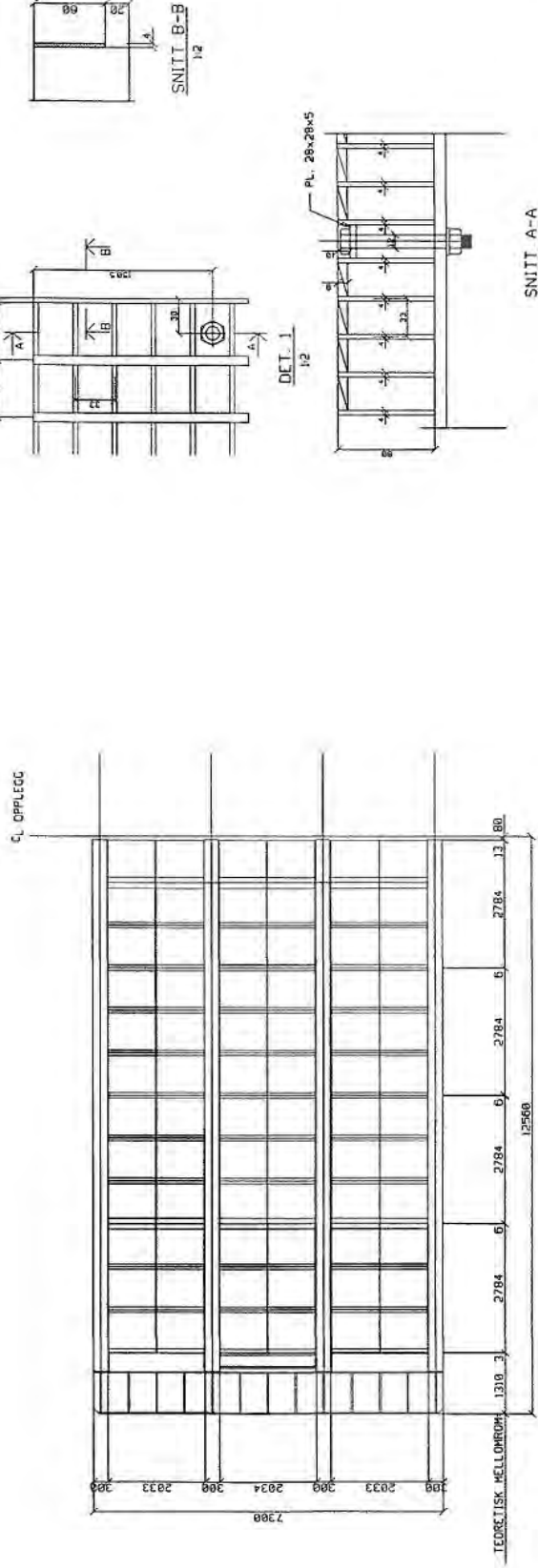
| | | | | | |
|-----------------------------------|---------|---------|-------|-------|-------|
| BEIØP | LOST | LOST | LOST | LOST | LOST |
| BRØD | ØR | ØR | ØR | ØR | ØR |
| DATA | REIØP | REIØP | REIØP | REIØP | REIØP |
| STATENS VEGVESEN | | | | | |
| Standard Førløbsbru 7 x 12 | | | | | |
| BRUREKKEVÆR | | | | | |
| Veggekonstruks brukning, Dns-M-96 | | | | | |
| HT-Øderud (199) | | | | | |
| ØKleppa (199) | | | | | |
| Verdij | St. nr. | Bl. nr. | | | |
| 92 | 3 | 12-18 | | | |

| POS. ANT. | BENEVELSE | DIMENSJONER | | STÅLKVALITET |
|-----------|----------------------|-------------|------|------------------------|
| | | LENGDE | VEKT | |
| | | mm | kg | |
| 201 | 2 HJUP 88x40x4 | 1800 | 7 | 14 SL44-3N (F6x300D) |
| 262 | 2 PLATE | 76 | 0 | 1 RS137-2 (F6x300BFN) |
| 263 | 4 1/3 ROR 76,1 x 3,2 | 60 | - | 1 RS137-2 (F6x300BFN) |
| 264 | 2 PLATE | 60 | 10 | 1 RS137-2 (F6x300BFN) |
| 265 | 14 ROR 48,3 x 3,0 | 85 | - | 34 RS137-2 (F6x300BFN) |
| 266 | 13 RUNDSTÅL Ø16 | 663 | - | 13 RS137-2 (F6x300BFN) |
| 267 | 1 NYLONHJUL | - | - | - |
| 268 | 2 RUNDSTÅL Ø20 | 110 | - | 1 RS137-2 (F6x300BFN) |
| 269 | 6 EMNESRØR 32/20 | 50 | - | 1 SL42-3N (F6100D) |
| 278 | 1 RUNDSTÅL Ø10 | 1175 | - | 2 RS137-2 (F6x300BFN) |
| 271 | 2 SKRUE M12x185 | - | - | - |
| SUM | | | 67 | * HJUL |

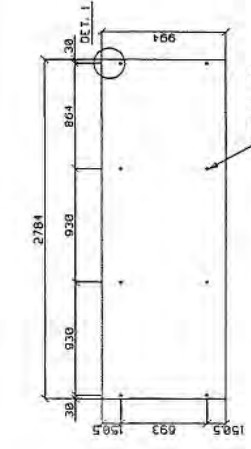


HVOR IKKE ANNET SVEIS ER VIST, BRUKES KILSVEIS 4.

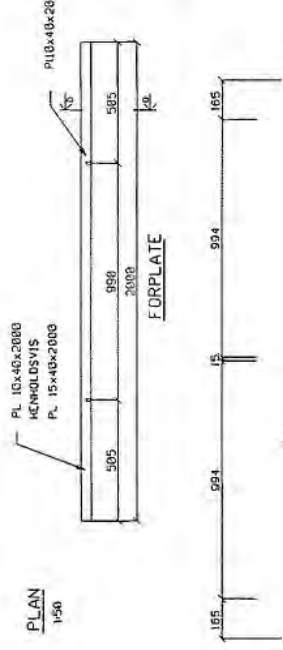
| Date | Revisjon | B | Rev. Nr. |
|--------------------------------------|----------|---|----------|
| | | | |
| STATENS VEGVESEN | | | |
| Standard for Julebuss 7 x 12 | | | |
| | | | |
| RULLEPORT | | | |
| Vegvesenstatens brukning, Oslo/10-88 | | | |
| H.T. Øderud | | | OKlagge |
| 1989 | | | 1989 |
| 92 | | | 3 |
| 12-II | | | |



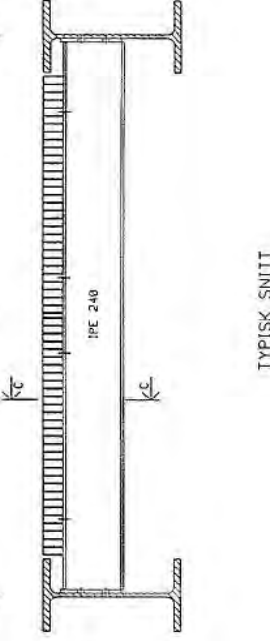
SNITT A-A
1:2



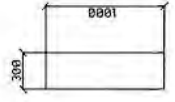
GITTERISTER TIL DEKKE
1:20



SNITT D-D
1:2



TYPISK SNITT
1:10



GITTERISTER TIL MIDTRE PANEL
1:20
BÆRESTÅL 20x30 c50

- BEMÆRKNING:**
- 1. BÆRESTÅLET SKAL VÆRE SAGTAGGET
 - 2. STÅLKVALITET: S235-30
 - 3. GITTERISTER SKAL VARMFORSTYRKES V Zn HS 1978 TIL BELEGGTYKKELSE MIN. 115µm
 - 4. ANTAL: DEKKE: 24 STK. PANEL: 2 STK.
 - 5. ANTAL FORPLATER: 10 MM: 3 STK. 15 MM: 3 STK.
- GITTERISTERNE SKYVES SAMMEN I LØNDRIFNING OG FORPLATER LEGGES NED I BEGGE ENDER.

| Den | Best. nr. | Stør. | Antal | Bl. nr. |
|------------------------------------|-----------|-------|-------|---------|
| STATENS VEGVESEN | | 80 | 92 | 3 |
| Standard for Julebrud 7 x 12 | | | | |
| GITTERISTER | | | | |
| H.T. Øderud og | | | | |
| Vejle-Aktoriets Brænding, Bøtved-Ø | | | | |
| O.Kleppe | | | | |
| 13 | | | | |

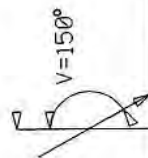
OVERSIKT OVER SKRUER

| KONSTRUKSJONSDEL | DIMENSJON | FASTHETS-
KLASSE | ANTALL | REF. TEGN. |
|--------------------|-----------|---------------------|--------|------------|
| FRONTBJELKE | M24x80 | 8.8-NS5750 | 32 | 04 |
| FRONTBJELKE | M24x75 | 8.8-NS5750 | 24 | 04 |
| TVERRBJELKER | M24x80 | 8.8-NS5750 | 96 | 03 |
| TVERRBJELKER | M24x65 | 8.8-NS5750 | 96 | 03 |
| FAGVERK | M24x85 | 8.8-NS5750 | 16 | 05 |
| FAGVERK | M24x75 | 8.8-NS5750 | 100 | 05 |
| PANELER | M24x70 | 8.8-NS5750 | 16 | 06 |
| PANELER | M24x60 | 8.8-NS5750 | 8 | 06 |
| HEISEBJELKE | M24x85 | 8.8-NS5750 | 16 | 07 |
| BAKRE TVERRBJ. | M20x75 | 8.8-NS5750 | 12 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| OVERGANGSPATE | M24x80 | 8.8-NS5750 | 2 | 08 |
| DEKKPLATE | M24x95 | 8.8-NS5750 | 2 | 09 |
| FREMRE SIDESTYRING | M24x85 | 8.8-NS5750 | 12 | 10 |
| FREMRE SIDESTYRING | M12x30 | 8.8-NS5750 | 4 | 10 |

I TILLEGG KOMMER SKRUER TIL
GITERRISTER, REKKVERK OG FENDERE.

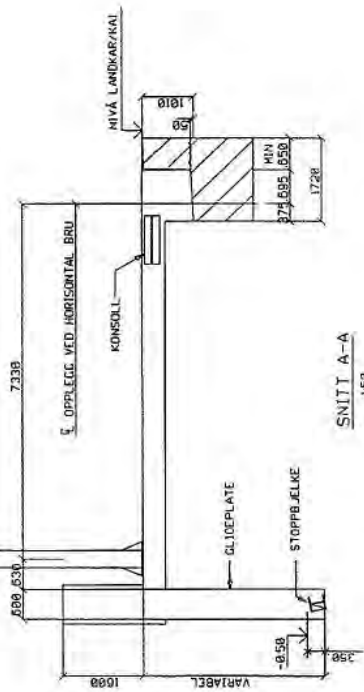
DIMENSJONER ETTER NS 5720/NS 5721
OG FASTHETSKLASSE 8.8 IFLG. NS 5750.
SEKSKANTMUTTERE IFLG. NS 5730
OG FASTHETSKLASSE 8.8 IFLG. NS 5751.
UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200.
SKRUER, MUTTERE OG SKIVER SKAL V RE I VARMFORSINKET UTFØRELSE.
ALLE SKRUER SKAL HA UNDERLAGSSKIVER UNDER HODE OG MUTTER.

TILSETTING AV SKRUER.
SKRUENE SETTES FAST TIL FOR HAND MED VANLIG NØKKELE SLIK AT
TILSTØTENDE FLATER LIGGER TETT SAMMEN. (SNUG-TIGHT)
PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EV. SKRUEN)
EN VINKEL $V=150^\circ$

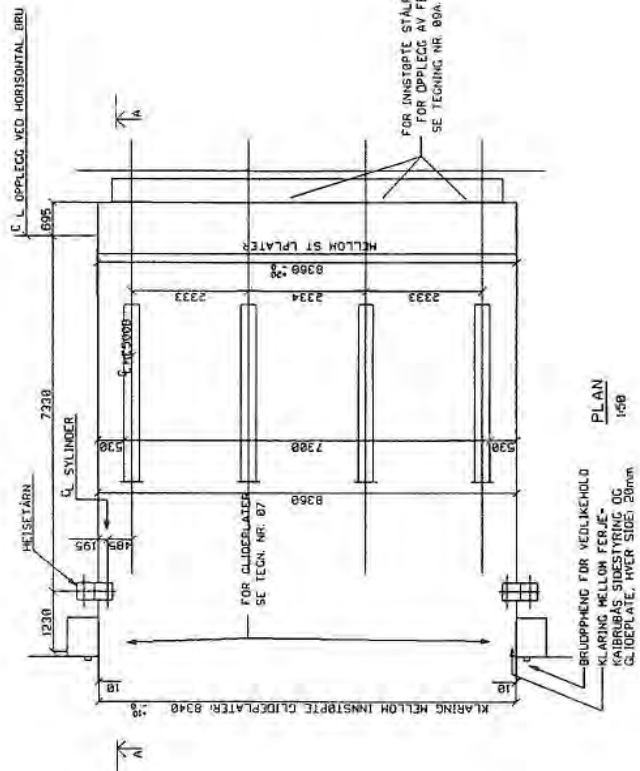


| Rettelser | | b | | |
|--------------------------------------------|--|-----------------|-----------|----------|
| Dato | | Merke | Rettet | Ktr. |
| STATENS VEGVESEN | | Målestokk | Tegn. MAF | 26.02.92 |
| Standard ferjekaibru: 7 x 12 | | Ktr. PS | | 26.02.92 |
| SKRUER, MUTTERE OG SKIVER. | | Mål i mm | Trac. | |
| | | | Trac.ktr. | |
| | | Erstatning for. | | |
| Vegdirektoratets bruavdeling, Oslo, Mai-96 | | Version | St. nr. | Bl. nr. |
| H.T. Øderud (sign) | | 92 | 3 | 14 |

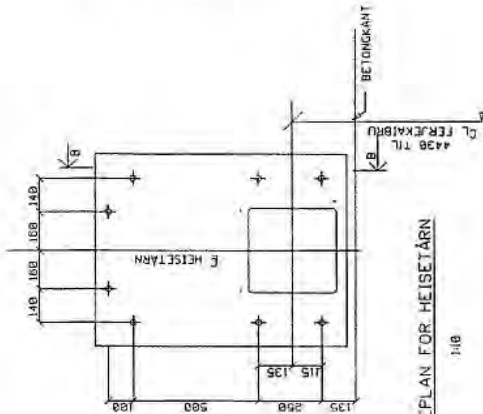
SYLINDEROPPHENG
 FØRUTSATT SYLINDEROPPHENG Ø=180 mm
 HORDALAND
 SLAGLENDE Ls=3350 mm
 UTRUKKET LENCDE 2Ls+1e=7125 mm
 ROGALAND
 SLAGLENDE Ls=2780 mm
 UTRUKKET LENCDE 2Ls+1e=5825 mm



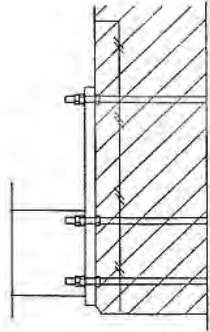
SNITT A-A
1:50



PLAN
1:50



BOLTEPLAN FOR HEISETÅRN
1:10



B STK. BULTER Ø25 (K5005). CJEKKET M24
 M/ 3 MUTTER OG SHIVE PR 10RN
 CYKTELLET KAN BRUKES Ø25 (K533-H).
 FORBÆTTRING FOR FULL KAPASITET.

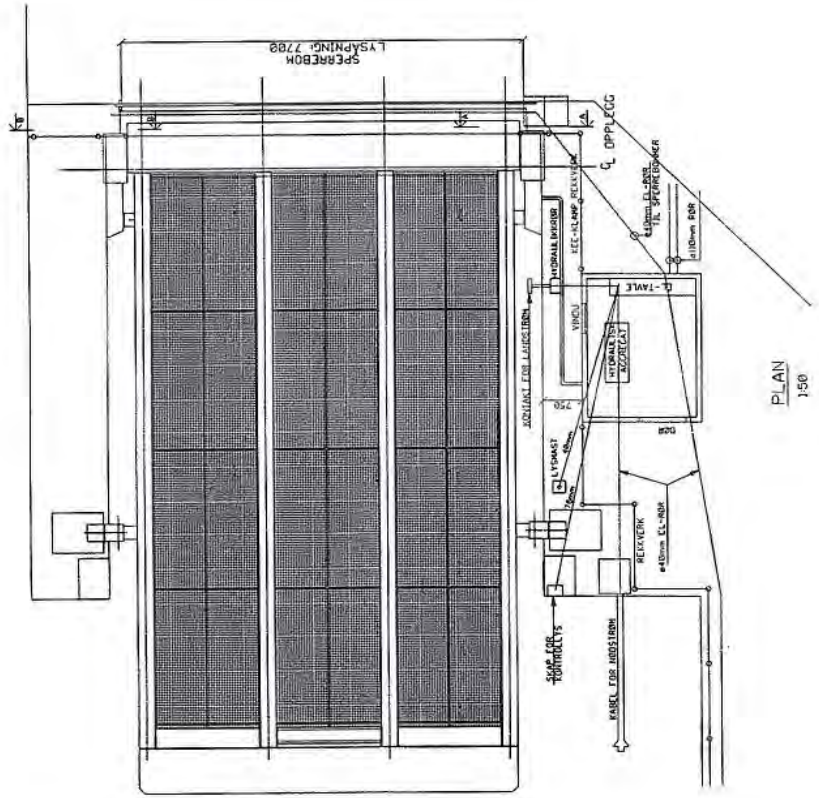
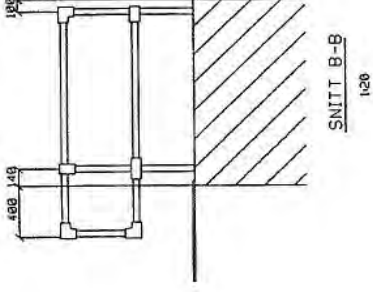
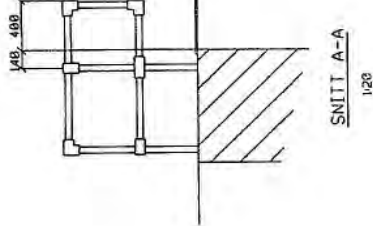
SNITT B-B
1:10

FORUTSETNING:
 KRNIVÅ = LANDKARNIVÅ

LANDKAR- OG KARNIVÅ KAN SEIKES TIL LAGERE NIVÅ ER ENH. NORHALLNIVÅ.
 FØRUTSATT SAMME HEISETÅRN OG SAMME SYLINDERLENDE.
 OPPNÅS FØLGENDE NIVÅ ER OG MÅKSIMALE UTSLAG PÅ
 FERJEBRUGAS BEVEGELSE.

| ROGALAND | NIVÅ | NIVÅ BVRE
LANDKAR/KAL
SYLDRPPHENG | MAKS. NIVÅ
OK BRUFRONT
STOPPB.-0,50 | MIN. NIVÅ
OK BRUFRONT
LAVESTE NIVÅ
STOPPB.JELKE |
|-----------|-----------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------------|
| | +2,00 (NORHALL) | + 0,00 | +4,20 | -0,25 |
| | +1,00 (NORHALL) | + 5,00 | +4,10 | -0,15 |
| | +1,00 (NORHALL) | + 5,80 | +4,00 | -0,25 |
| HORDALAND | NIVÅ | NIVÅ BVRE
LANDKAR/KAL
SYLDRPPHENG | MAKS. NIVÅ
OK BRUFRONT
STOPPB.-0,50 | MIN. NIVÅ
OK BRUFRONT
LAVESTE NIVÅ
STOPPB.JELKE |
| | +2,30 (NORHALL) | +7,250 | +5,01 | -0,17 |
| | +2,20 (NORHALL) | +7,150 | +4,91 | -0,27 |
| | +2,10 (NORHALL) | +7,050 | +4,81 | -0,37 |

| DRUG | RELLEISE | B | Relist | KSP. |
|------------------------------------|-------------------|------|--------|--------|
| STATENS VEGVESEN | | 1:50 | 200328 | 200328 |
| Standard ferjebrau 7 x 12 | | 1:10 | 200325 | 200325 |
| BETONGVAL BRUGAS | | 1:10 | 1:10 | |
| Hydroteknisk beredning, Datu-ND-05 | | | | |
| H.T. Øderud
(tegn) | OKleppa
(tegn) | 92 | 3 | 15 |



| Data | | Revisjoner | | b | |
|--------------------------------------------|----------|------------|----------|---------|--------|
| Dato | Revisjon | Revisjon | Revisjon | Bl. nr. | Bl. av |
| | 24.02.02 | | | | |
| | 24.02.02 | | | | |
| | 24.02.02 | | | | |
| STATENS VEGVESEN | | | | | |
| Standard Ferjekabru 7 x 12 | | | | | |
| UTSTYR | | | | | |
| Vegdirektoratets Utredning, Oslo, 16.12.08 | | | | | |
| H. T. Østerud | | | | | |
| DK Kleppe | | | | | |
| 92 | | | | | |
| 3 | | | | | |
| 16 | | | | | |

STANDARD FERJEKAIBRU

7 x 15 m.

(4)

STANDARD FERJEKAIBRU, 7 x 15 m.

(Std. nr. 4)

TEGNINGSLISTE

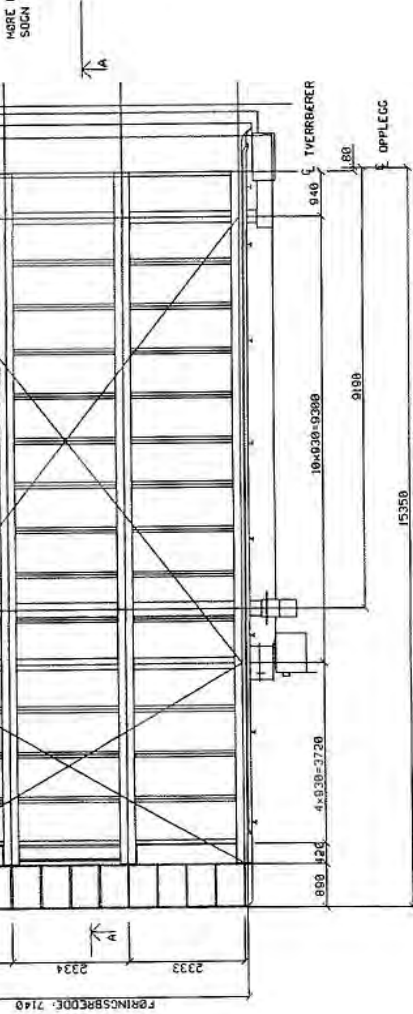
| | |
|-----------------|------------------------------------------|
| Bl. nr. 01B | Oversikt |
| Bl. nr. 02-IA | Hovedbjelker med detaljer |
| Bl. nr. 02-IIA | Indre hovedbjelker med detaljer |
| Bl. nr. 02-IIIB | Hovedbjelker, plater og materialliste |
| Bl. nr. 02-IV | Hovedbjelker, hull og skjæringer |
| Bl. nr. 03 | Tverrbjelker |
| Bl. nr. 04-IA | Frontbjelke med detaljer |
| Bl. nr. 04-IIA | Frontbjelke, plater og materialliste |
| Bl. nr. 05-I | Fagverk, plan og detaljer |
| Bl. nr. 05-II | Fagverk, plater og materialliste |
| Bl. nr. 06A | Paneler bak frontbjelke |
| Bl. nr. 07A | Heisebjelke, innstøpt glideplate |
| Bl. nr. 08A | Bakre tverrbjelke, overgangsplate |
| Bl. nr. 09-IB | Innstøpningsgods ved landkar, brulagre |
| Bl. nr. 09-IIA | Konsoll og dekkplate ved landkar |
| Bl. nr. 09-III | MV-fender |
| Bl. nr. 09-IVA | Fendere |
| Bl. nr. 10A | Fremre sidestyring, glidende og rullende |
| Bl. nr. 11 | Heisetårn |
| Bl. nr. 12-IB | Brurekkverk |
| Bl. nr. 12-II | Rulleport |
| Bl. nr. 13 | Gitterrister |
| Bl. nr. 14 | Skruer, muttere og skiver |
| Bl. nr. 15 | Betongmål brubås |
| Bl. nr. 16 | Utstyr |
| Bl. nr. 17A | Bruoppheng for vedlikehold |

TEGNING-/MATERIALLISTE

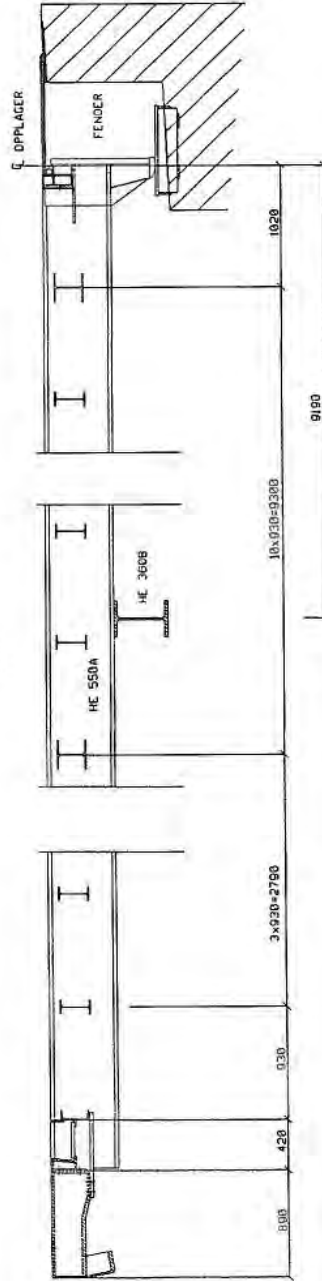
| BL. NR. | KONSTRUKSJONSDELER | POS. NR. | VEKT I KILO |
|------------------------|-----------------------------------|----------|-------------|
| 82A, TIL 82D | HØVEDBELÆKER | 1-30 | 136055 |
| 83 | TVERRBELÆKER | 31-40 | 4150 |
| 84A, 84B | FRONTBELÆKER | 41-55 | 4180 |
| 85A, 85B | FALVERK | 56-60 | 2020 |
| 86 | PANELER BAK FRONTBELÆKER | 61-68 | 655 |
| 87 | HEISETJELKE, GULDFLÅTE F. SIDEST. | 69-70 | 1000 |
| 88 | BANKETJELKE, GULDFLÅTE F. SIDEST. | 71-72 | 1000 |
| 89 | HEISETJELKE, GULDFLÅTE F. SIDEST. | 73-74 | 1000 |
| 90A | KONSOLL OG DEKFLÅTE VED LÅNGKAR | 75-76 | 1584 |
| 90B | FREMRE SIDESTYRING (GRULL) | 77-78 | 624 |
| 91 | HEISETÅRN | 79-80 | 2187 |
| 92 | HEISETÅRN | 81-82 | 2113 |
| SUM HØRE OG ROMSDAL | | | 34200 |
| SUM SOGN OG F. JORDANE | | | 34134 |

| BL. NR. | UTSTYR MÅL | POS. NR. |
|---------|-----------------------------|----------|
| 90C | HV-FENDER | 171-178 |
| 90D | FENDER | 181-189 |
| 91 | BRØKKEVÆR | 191-199 |
| 92 | BRØKKEVÆR | 201-209 |
| 93 | SAPLER MULTIFER OG SKIVER | 211-219 |
| 94 | BETONGHAL BRUGSÅS | 221-229 |
| 95 | UTSTYR | 231-239 |
| 96 | BRØPPEHANG FOR VEDLIEKHOOLD | 241-249 |

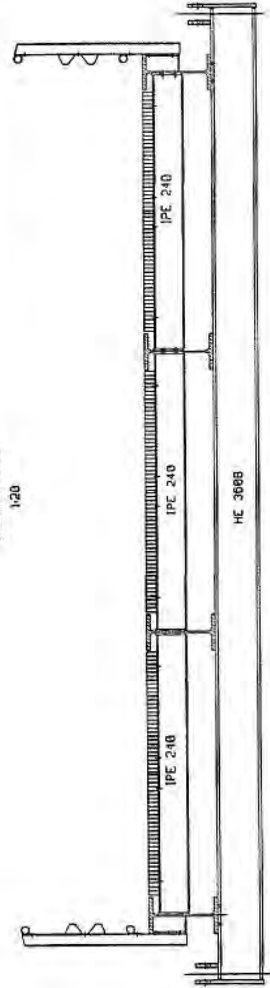
KRAV TIL BETONGKONSTRUKSIJONEN, KFR. 15 BETONGHAL BRUGSÅS.



PLAN
1:50

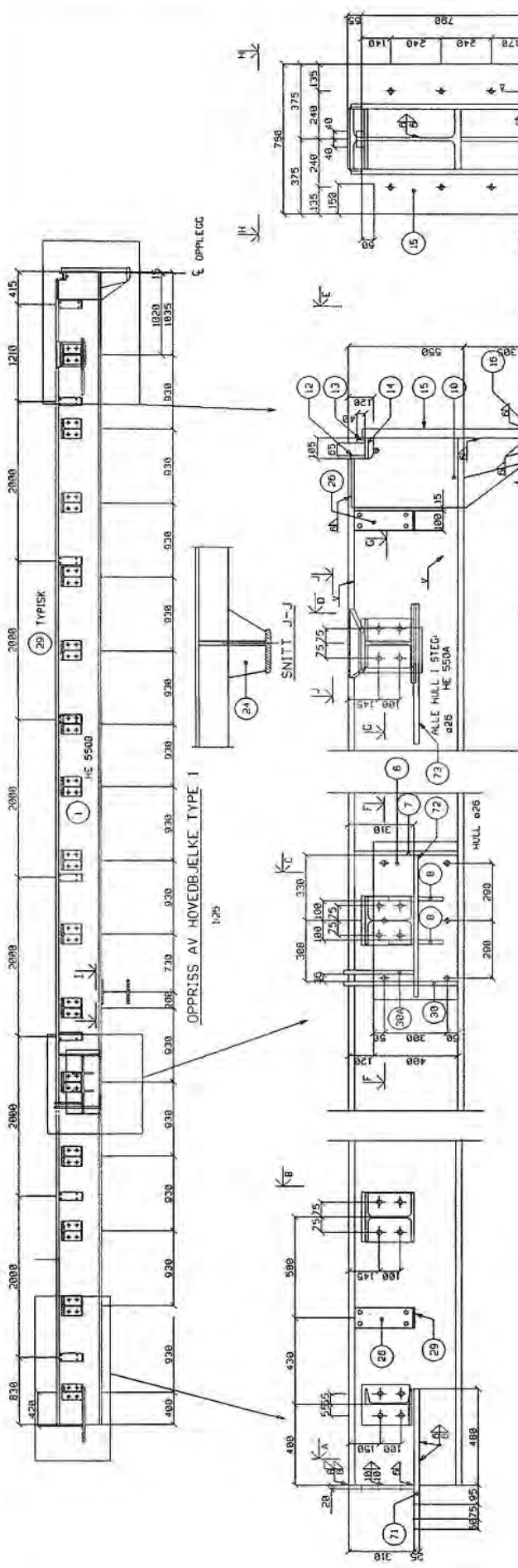


SNITT A-A
1:20



TVERRSNITT
1:20

| BYGGED. / OG. MATERIALISDE | D | M |
|------------------------------------------|----------------|--------------|
| BYGGED. DIV. CDBL | BYGGED. MÅTT | BYGGED. MÅTT |
| Dato | 1508 | 200509 |
| | Kr. PS | 200509 |
| | mm | mm |
| | Trakkul. | Trakkul. |
| | Erstatning for | |
| OVERSIKT | | |
| Vegetabilisereta brukvegting, Div. 90-99 | | |
| H.T. Bøderud | 0/45000 | 92 |
| tegn | tegn | 4 |
| | | Ø1B |



SNITT E-E
1:10

SNITT H-H
1:10

SNITT F-F
1:10

SNITT I-I
1:10

SNITT D-D
1:10

SNITT C-C
1:10

SNITT B-B
1:10

SNITT A-A
1:10

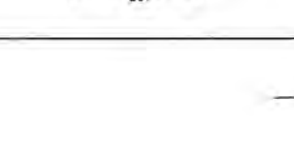
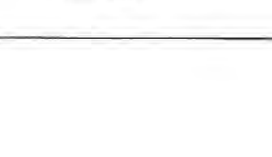
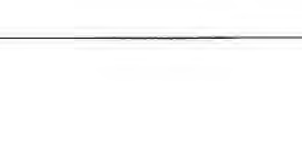
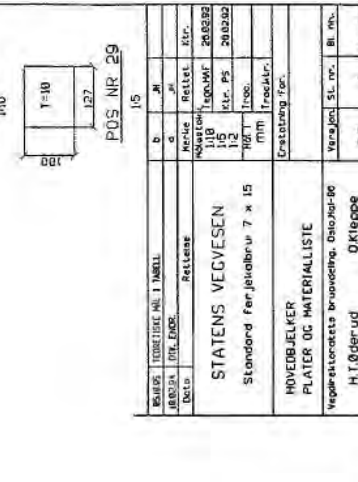
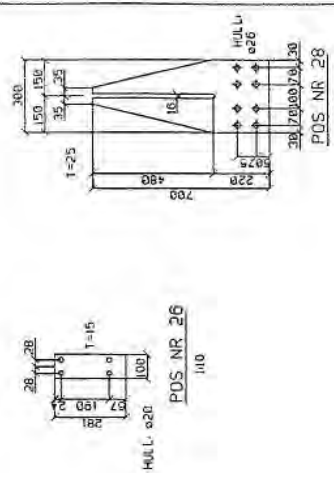
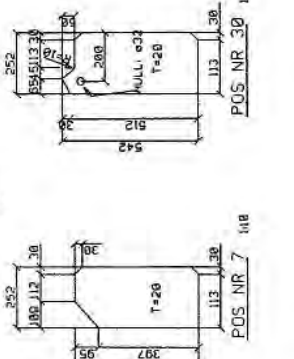
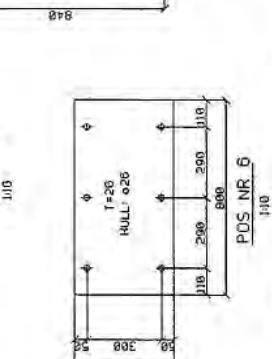
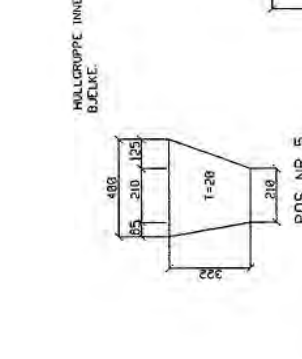
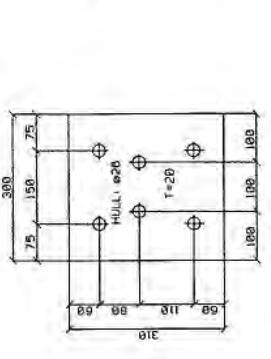
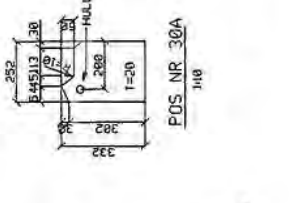
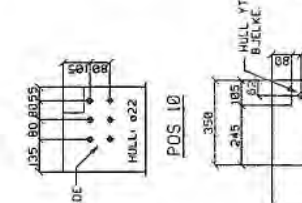
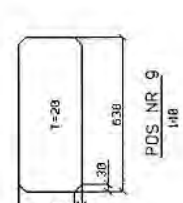
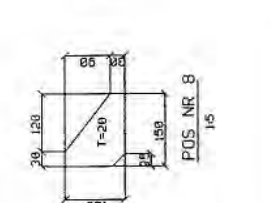
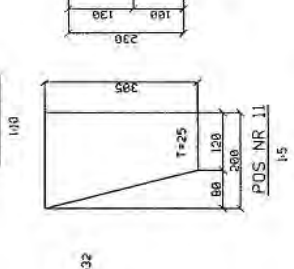
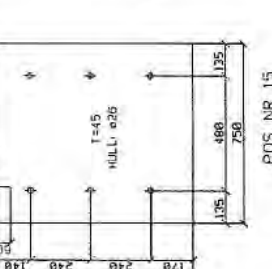
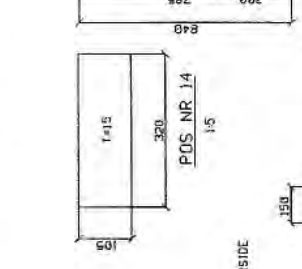
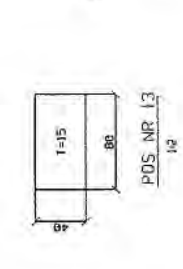
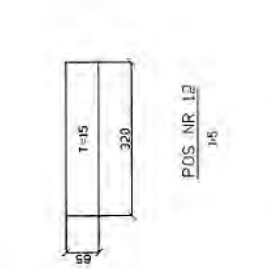
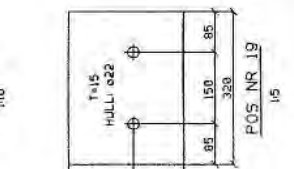
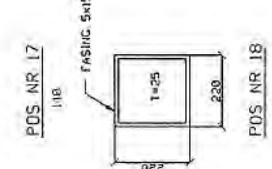
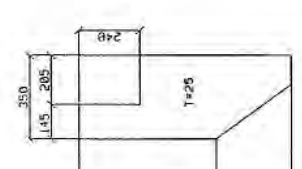
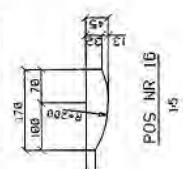
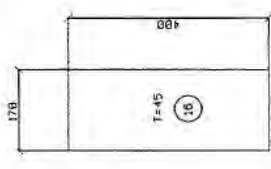
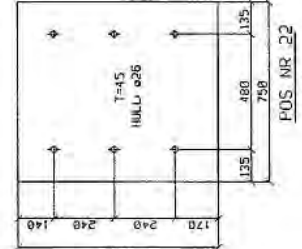
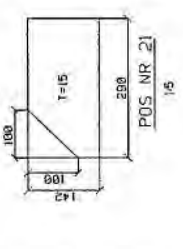
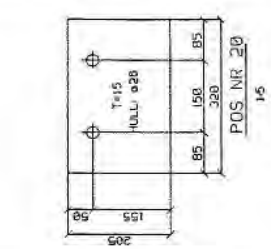
HOVEDBJELKE ER INNBREDES SPELVDIHT
PLATER OG MATERIALISTE ERVIST PÅ TEIENING NR. 02C
PLATER TIL FADVERK ERVIST PÅ TEIENING NR. 05A

| BYGGV. BY. EDR. DATA | RELISOR | BYGGV. KONT. NR. | BL. NR. |
|--------------------------------------------|--------------|------------------|---------|
| STATENS VECVESEN | Relator | 260392 | 4 |
| Standard fer-jelkabr. 7 x 15 | mm
Innat. | 260392 | |
| HOVEDBJELKER MED DETALJER | mm
Innat. | 260392 | |
| HJØDERUD lego | mm
Innat. | 260392 | |
| HTØDERUD lego | Cresting 70 | | |
| Opplysningsvesenets forordning, G.04/04-06 | | | |
| | | 92 | |
| | | 4 | 02-1A |

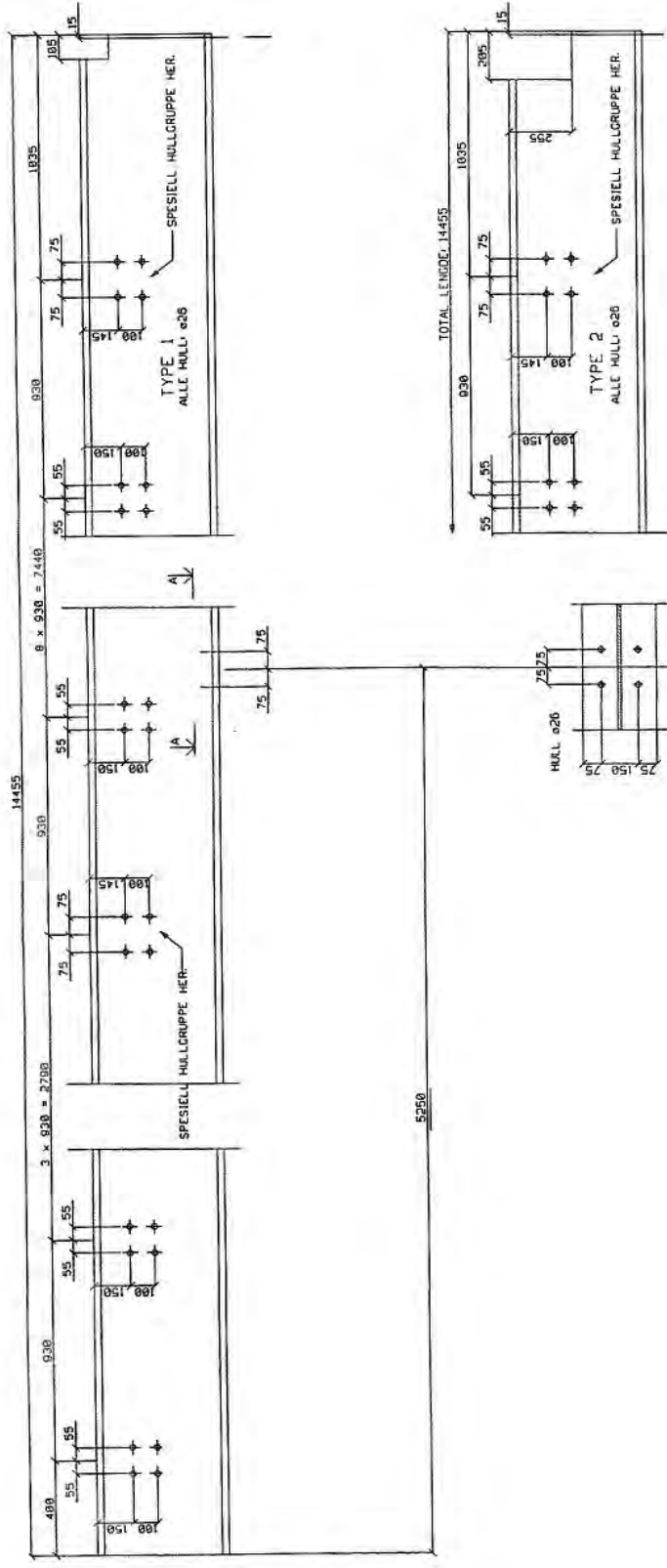
| POS. ANT. | BENEVNELSE | DIMENSJONER mm | | | STÅLKVALITET |
|-----------|------------|----------------|-------|-------|------------------------|
| | | LENGDE | BREDD | TYKK. | |
| 1 | 2 HE 558A | 1445 | - | 2877 | 51.52-3H (Fe300BFN) |
| 2 | 2 HE 558A | 1445 | - | 2877 | 51.52-3H (Fe300BFN) |
| 3 | 4 PLATE | 310 | 300 | 20 | 60 RSL37-2 (Fe300BFN) |
| 5 | 2 PLATE | 400 | 322 | 20 | 42 RSL37-2 (Fe300BFN) |
| 6 | 2 PLATE | 800 | 490 | 20 | 102 RSL37-2 (Fe300BFN) |
| 7 | 2 PLATE | 262 | 492 | 20 | 40 RSL37-2 (Fe300BFN) |
| 8 | 2 PLATE | 150 | 120 | 20 | 24 RSL37-2 (Fe300BFN) |
| 9 | 2 PLATE | 838 | 252 | 20 | 52 RSL37-2 (Fe300BFN) |
| 10 | 4 PLATE | 840 | 250 | 25 | 226 RSL37-2 (Fe300BFN) |
| 11 | 4 PLATE | 305 | 208 | 25 | 48 RSL37-2 (Fe300BFN) |
| 12 | 2 PLATE | 320 | 65 | 15 | 4 RSL37-2 (Fe300BFN) |
| 13 | 2 PLATE | 80 | 40 | 15 | 1 RSL37-2 (Fe300BFN) |
| 14 | 2 PLATE | 320 | 105 | 15 | 8 RSL37-2 (Fe300BFN) |
| 15 | 2 PLATE | 760 | 750 | 45 | 213 RSL37-2 (Fe300BFN) |
| 16 | 4 PLATE | 400 | 170 | 45 | 24 RSL37-2 (Fe300BFN) |
| 17 | 4 PLATE | 840 | 350 | 25 | 59 RSL37-2 (Fe300BFN) |
| 18 | 2 PLATE | 220 | 220 | 20 | 18 RSL37-2 (Fe300BFN) |
| 19 | 2 PLATE | 320 | 230 | 15 | 6 RSL37-2 (Fe300BFN) |
| 20 | 2 PLATE | 320 | 205 | 15 | 6 RSL37-2 (Fe300BFN) |
| 21 | 4 PLATE | 290 | 142 | 15 | 5 RSL37-2 (Fe300BFN) |
| 22 | 2 PLATE | 750 | 760 | 45 | 213 RSL37-2 (Fe300BFN) |
| 23 | 2 PLATE | 302 | 272 | 20 | 14 RSL37-2 (Fe300BFN) |
| 24 | 2 PLATE | 250 | 182 | 20 | 10 RSL37-2 (Fe300BFN) |
| 26 | 16 PLATE | 281 | 100 | 15 | 3 RSL37-2 (Fe300BFN) |
| 28 | 2 PLATE | 700 | 300 | 25 | 42 RSL37-2 (Fe300BFN) |
| 29 | 16 PLATE | 127 | 180 | 10 | 16 RSL37-2 (Fe300BFN) |
| 30 | 2 PLATE | 542 | 262 | 20 | 44 RSL37-2 (Fe300BFN) |
| 30A | 2 PLATE | 331 | 252 | 20 | 26 RSL37-2 (Fe300BFN) |

504 17605

HEVÅLLE DIMENSJONER I TABELL OG TEKNISKE TÆLL



| MÅLSTAV | | TITTEL | | PROJEKT | |
|---------|--------------------------------------|--------|--------|---------|-------|
| SKALA | PROJEKT | ARBEID | RETTET | UTGIV | UTGIV |
| 1:10 | STATENS VEGVESEN | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | Standard ferjeforbry 7 x 15 | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | HOVEDBÆLKER | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | PLATER OG MATERIALISTE | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | Vegvesenstatens brovesen, Oslo-fjord | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | H.T. Østervud | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | Oppgave | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | Bl. nr. | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | 92 | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | 4 | 1:10 | 1:10 | 1:10 | 1:10 |
| 1:10 | 02-1118 | 1:10 | 1:10 | 1:10 | 1:10 |



SNITT A-A

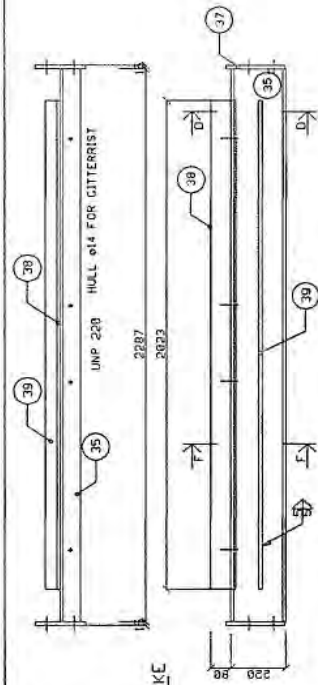
-TYPE 1: YTRE HOVEDBJELKE
 -TYPE 2: INNRE HOVEDBJELKE

| Del | Parti | Størrelse | Antall | Størrelse | Størrelse |
|-----|-------|--------------------------------------|--------|-----------|-----------|
| | 110 | Standard ferjehullbu 7 x 15 | 1 | 110 | 280202 |
| | | HOVEDBJELKER | | | |
| | | HULL OG SKJERINGER | | | |
| | | Vegarkonstruks bruketing. Øno. 26-30 | | | |
| | | H.T. Øderud (egn) | | | |
| | | 0, Kleppe (egn) | | | |
| | | 92 | 4 | | Ø2-IV |

| POS. | ANT. | BENÆNNELSE | DIMENSJONER mm | | VEKT 1 kg | STÅLKVALITET | |
|------|------|------------|----------------|-------|-----------|---------------------|---------------------|
| | | | LENGDE | TYKK. | | | |
| 31 | 36 | IPE 240 | 2287 | 70 | 2524 | S152-3N (FeS100D) | |
| 32 | 6 | HE 240A | 2287 | 138 | 828 | RS137-2 (Fe300BFND) | |
| 33 | 72 | PLATE | 240 | 2000 | 15 | 432 | RS137-2 (Fe300BFND) |
| 34 | 12 | PLATE | 240 | 290 | 15 | 86 | RS137-2 (Fe300BFND) |
| 35 | 1 | UNP220 | 2287 | | 57 | 67 | RS137-2 (Fe300BFND) |
| 36 | 2 | UNP220 | 2287 | | 67 | 134 | RS137-2 (Fe300BFND) |
| 37 | 6 | PLATE | 235 | 2000 | 15 | 34 | RS137-2 (Fe300BFND) |
| 38 | 1 | PLATE | 2023 | 100 | 15 | 24 | RS137-2 (Fe300BFND) |
| 39 | 1 | PLATE | 2023 | 50 | 15 | 15 | RS137-2 (Fe300BFND) |
| 40 | 4 | PLATE | 50 | 20 | 20 | 1 | RS137-2 (Fe300BFND) |
| | | | SUM | | 4158 | | |

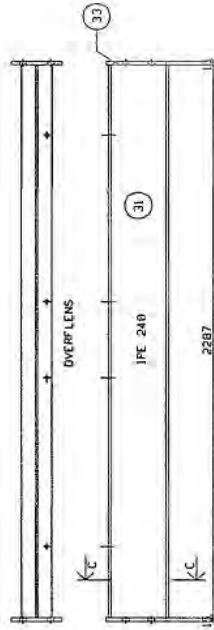
MIDTRE PANELBJELKE

1 STK.



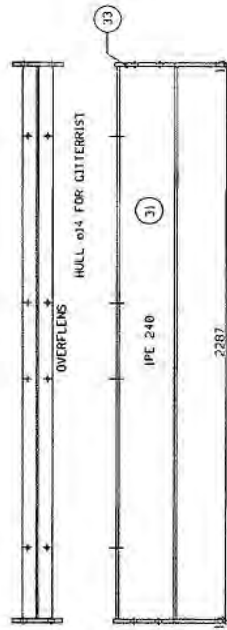
TVERRBJELKE TYPE 1

24 STK



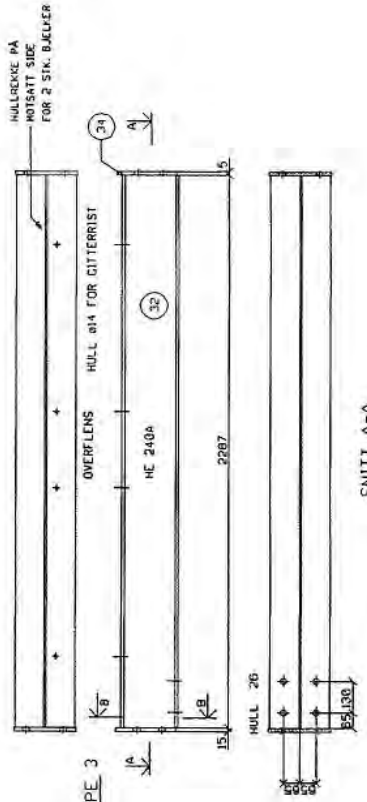
TVERRBJELKE TYPE 2

12 STK



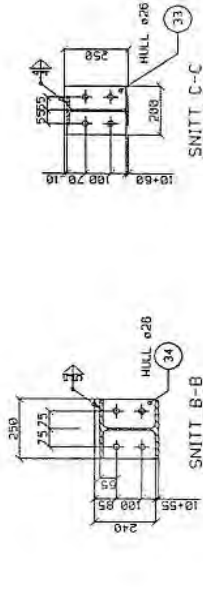
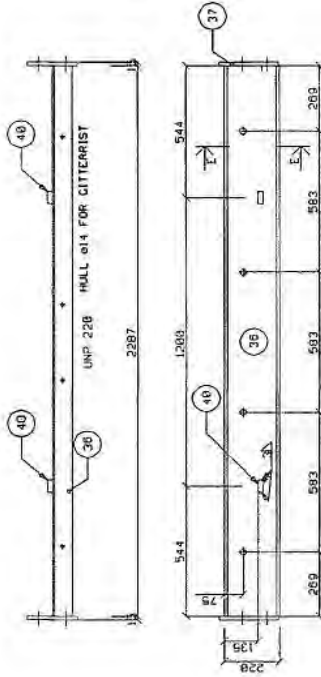
TVERRBJELKE TYPE 3

6 STK



YTRE PANELBJELKE

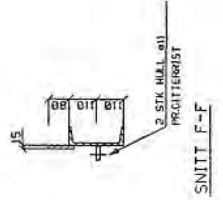
2 STK.



SNITT C-C



SNITT D-D



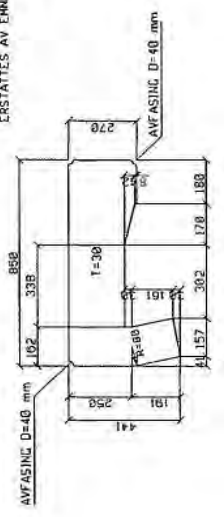
ØRING I OVERFLERER
UTP RES I SANNSVAR RGD
GITERRISTENES VIKELIG
H L

| Date | Revisjon | Revisjon | Bl. nr. | Bl. m. |
|------------------|----------|------------------------------------------------|---------|--------|
| | 1/0 | 1/0 | 92 | 4 |
| STATENS VEGVESEN | | Standard for Jernbane 7 x 15 | | |
| TVERRBJELKER | | Veg- og jernbanesektors Brukshåndb. Omr. No-96 | | |
| | | H. T. Østerud (egn) | | |
| | | O-kleppe | | |
| | | 0491 | | |
| | | 03 | | |

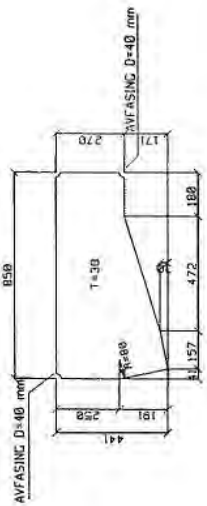
| POS. ANT. | BENEVLSE | DIMENSJONER mm | | VEKT I kg | STÅLKVALITET | |
|-----------|----------------|----------------|-------|-----------|--------------|----------------------|
| | | LOKAL | TOTAL | | | |
| 41 | PLATE, KNEKES | 7080 | 480 | 20 | 544 | HARDOX 400 |
| 42 | PLATE | 7308 | 805 | 20 | 1150 | RS137-2 (Fe300BFN) |
| 43 | PLATE | 7308 | 168 | 40 | 374 | HARDOX 400 |
| 44 | PLATE | 7308 | 200 | 20 | 327 | RS137-2 (Fe300BFN) |
| 45 | PLATE | 7308 | 180 | 20 | 210 | RS137-2 (Fe300BFN) |
| 46 | PLATE | 583 | 135 | 30 | 19 | RS137-2 (Fe300BFN) |
| 47 | PLATE | 671 | 85 | 30 | 14 | RS137-2 (Fe300BFN) |
| 48 | PLATE, KNEKES | 675 | 200 | 30 | 32 | RS137-2 (Fe300BFN) |
| 49 | PLATE, KNEKES | 675 | 300 | 30 | 40 | RS137-2 (Fe300BFN) |
| 50 | PLATE | 671 | 135 | 30 | 22 | RS137-2 (Fe300BFN) |
| 51 | PLATE | 660 | 441 | 30 | 98 | RS137-2 (Fe300BFN) |
| 52 | AKSELSTÅL Ø125 | 650 | 441 | 30 | 50 | RS137-2 (Fe300BFN) |
| 53 | AKSELSTÅL Ø125 | 261 | - | - | 25 | 5152-3N (Fe510D) |
| 54 | AKSELSTÅL Ø125 | 208 | - | - | 22 | 44 5152-3N (Fe510D) |
| 55 | PLATE | 50 | 20 | 20 | - | 1 RS137-2 (Fe300BFN) |

SUM 4322

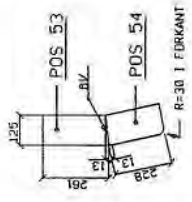
AKSELSTÅL Ø125 KAN ERSTATTES AV EMNESKRØR 125/71



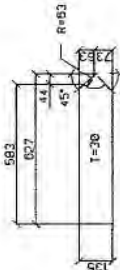
POS 51



POS 52



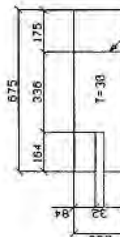
R=30 I FEDKANT



POS 46



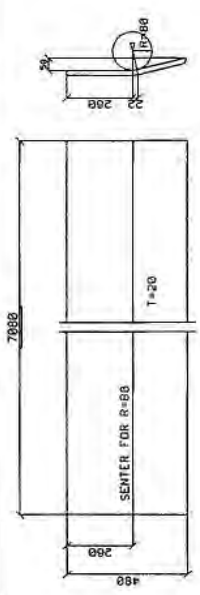
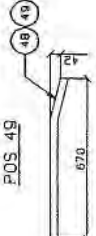
POS 47



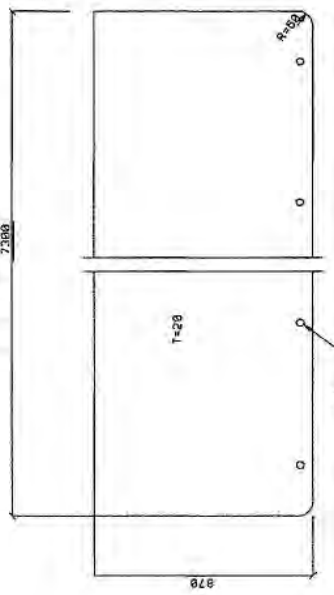
POS 48



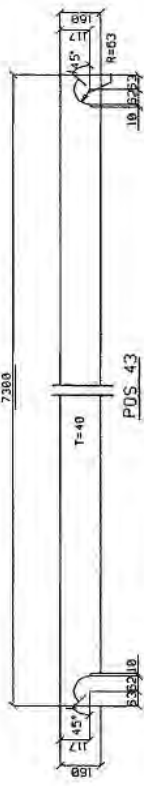
POS 49



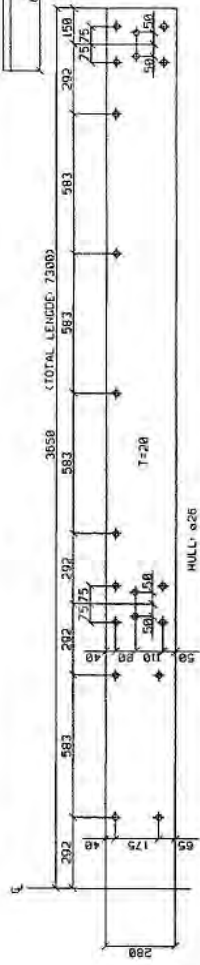
POS 41



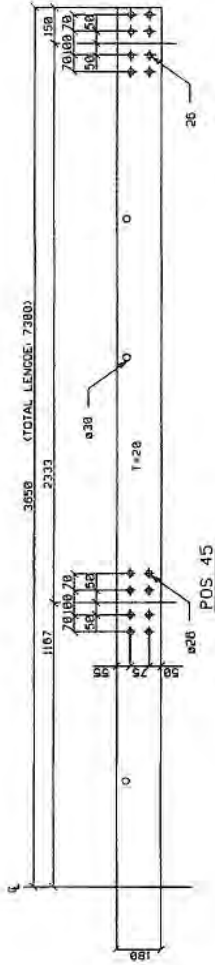
POS 42



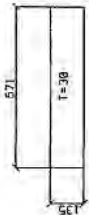
POS 43



POS 44

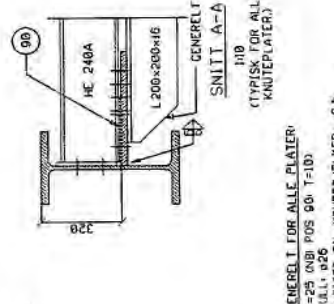
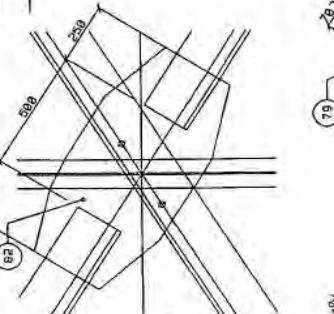
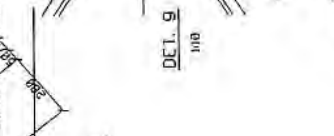
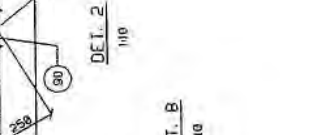
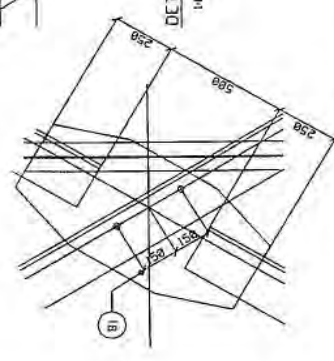
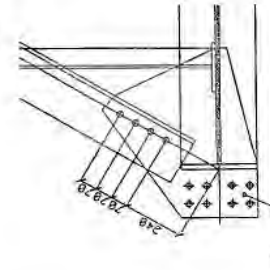
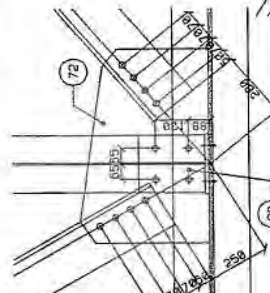
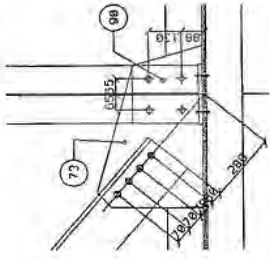
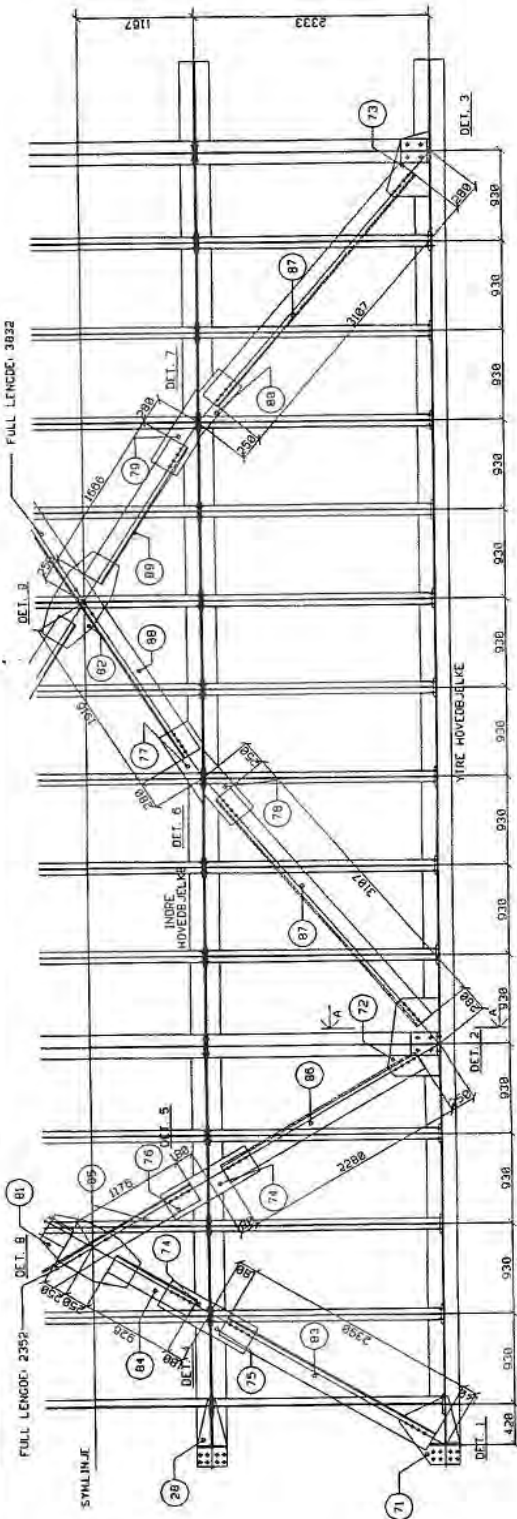


POS 45



POS 50

| LEVER | DIV. ENH. | RETTENNE | a | b | n | Bl. nr. |
|--------------------------------------|-----------|----------|-----|-----|-------|---------|
| STATENS VECVESEN | | | 140 | 140 | 4 | 04-11A |
| Standard For Jøkkabrau 7 x 15 | | | mm | mm | Trac. | |
| FRONTJELKE | | | | | | |
| PLATER OG MATERIALLISTE | | | | | | |
| NagPretekniske Bruddning, DenaKul-Ø8 | | | | | | |
| H.T.Øgerud | | | | | | |
| U.Klappes | | | | | | |
| Sarsjef | Bl. nr. | | 92 | 4 | | |



GENERELT FOR ALLE PLATER
 T=25 (80) P05 80, T=10;
 HULL 426
 SVESER TIL HØVEDBJELKER 6 B.

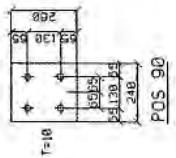
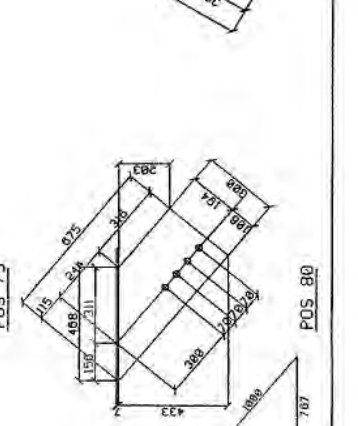
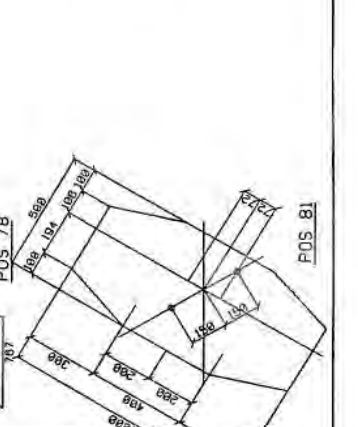
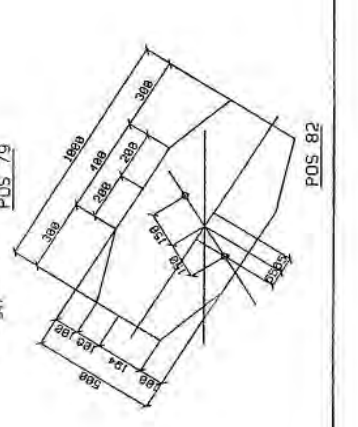
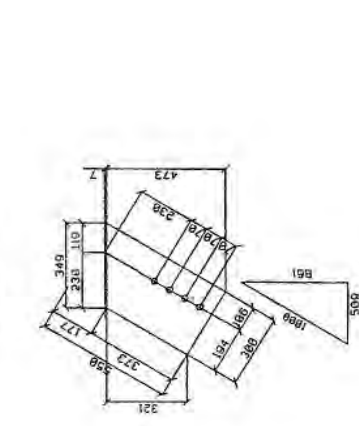
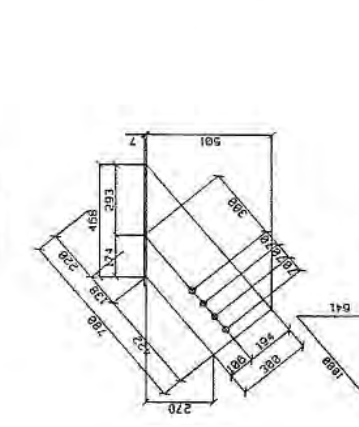
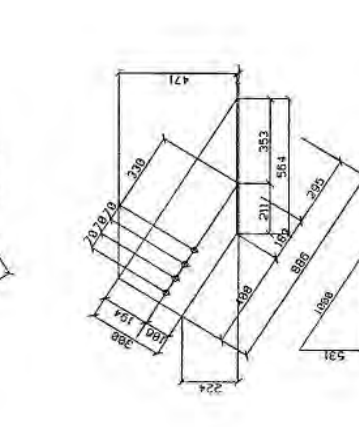
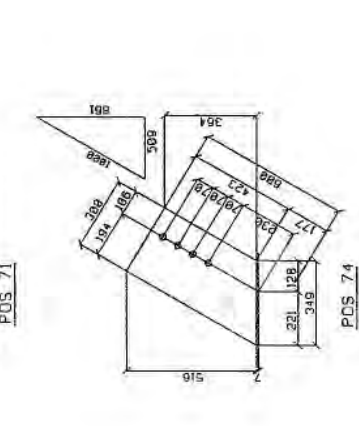
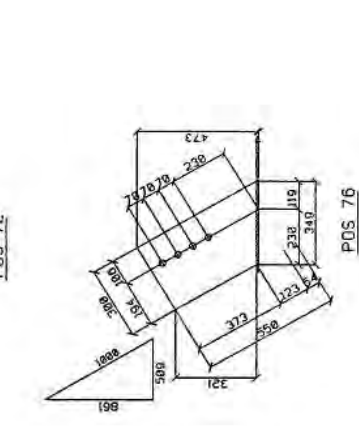
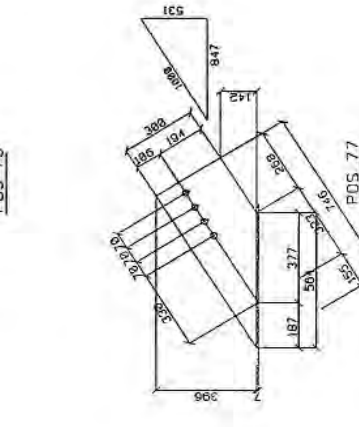
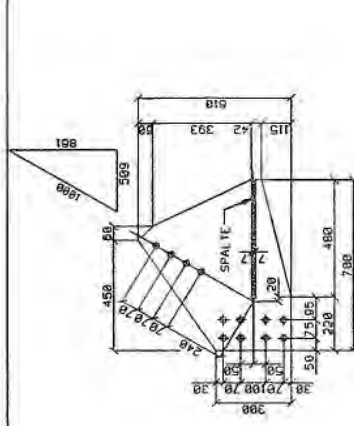
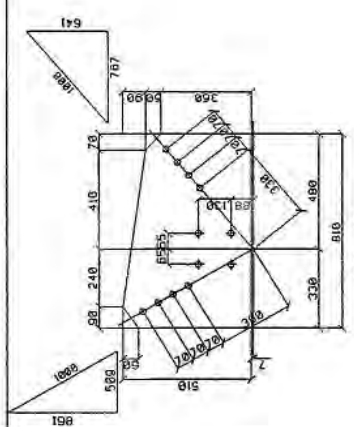
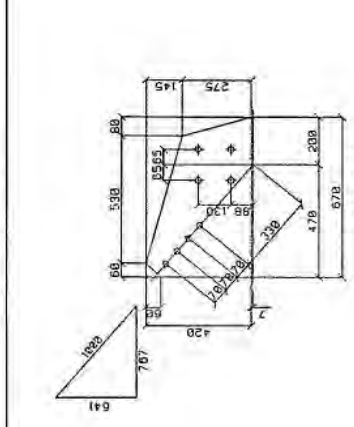
PLATER OG MATERIALISTER ER VIST PÅ TEKN. NR. 059

(TYPISK FOR ALLE
 KNUTEPLATER)

| Dato | Revisjon | Bygning | Etasje | Bl. nr. |
|------|----------|-----------------------------------------|---------|---------|
| | | STATENS VECVESEN | | |
| | | Standard for Jernbru 7 x 15 | | |
| | | FAGVERK | | |
| | | PLAN OG DETALJER | | |
| | | Vegetarstatens forvaltning, Oslo/Arb-06 | | |
| | | H.T. Øderud | DKleppa | 05-1 |
| | | | 92 | 4 |

| POS. AMT. | BEMÆKNELSE | DIMENSJONER mm | | | VEKT I kg | STÅLKVALITET |
|-----------|---------------|----------------|-------|-------|-----------|------------------------|
| | | LØSSE | TROS. | TOTAL | | |
| 71 | 2 PLATE | 700 | 810 | 25 | 85 | 170 RSL37-2 (Fe360BFN) |
| 72 | 2 PLATE | 810 | 510 | 25 | 83 | 165 RSL37-2 (Fe360BFN) |
| 73 | 2 PLATE | 670 | 420 | 25 | 56 | 112 RSL37-2 (Fe360BFN) |
| 74 | 4 PLATE | 000 | 300 | 25 | 30 | 144 RSL37-2 (Fe360BFN) |
| 75 | 2 PLATE | 550 | 300 | 25 | 33 | 66 RSL37-2 (Fe360BFN) |
| 76 | 2 PLATE | 550 | 300 | 25 | 33 | 66 RSL37-2 (Fe360BFN) |
| 77 | 2 PLATE | 746 | 300 | 25 | 45 | 90 RSL37-2 (Fe360BFN) |
| 78 | 2 PLATE | 700 | 300 | 25 | 47 | 94 RSL37-2 (Fe360BFN) |
| 79 | 2 PLATE | 800 | 300 | 25 | 53 | 106 RSL37-2 (Fe360BFN) |
| 80 | 2 PLATE | 075 | 300 | 25 | 41 | 82 RSL37-2 (Fe360BFN) |
| 81 | 1 PLATE | 1000 | 500 | 25 | 100 | 100 RSL37-2 (Fe360BFN) |
| 82 | 1 PLATE | 1000 | 500 | 25 | 100 | 100 RSL37-2 (Fe360BFN) |
| 83 | 2 L200x200x10 | 2350 | - | - | 105 | 210 RSL37-2 (Fe360BFN) |
| 84 | 2 L200x200x10 | 920 | - | - | 45 | 90 RSL37-2 (Fe360BFN) |
| 85 | 1 L200x200x10 | 2350 | - | - | 114 | 114 RSL37-2 (Fe360BFN) |
| 86 | 2 L200x200x10 | 2280 | - | - | 111 | 222 RSL37-2 (Fe360BFN) |
| 87 | 4 L200x200x10 | 3187 | - | - | 151 | 604 RSL37-2 (Fe360BFN) |
| 88 | 1 L200x200x10 | 2032 | - | - | 185 | 185 RSL37-2 (Fe360BFN) |
| 89 | 2 L200x200x10 | 1656 | - | - | 81 | 162 RSL37-2 (Fe360BFN) |
| 90 | 4 PLATE | 200 | 240 | 10 | 5 | 20 RSL37-2 (Fe360BFN) |
| | | | | SUM | 2028 | |

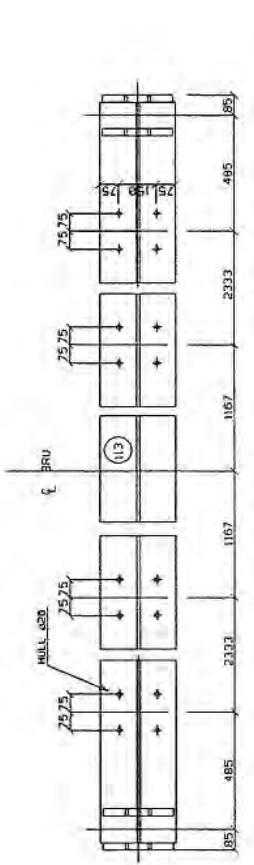
AV POS 85 OG 89 ER DET EN HØYRE- OG EN VENSTRE VARIANT.



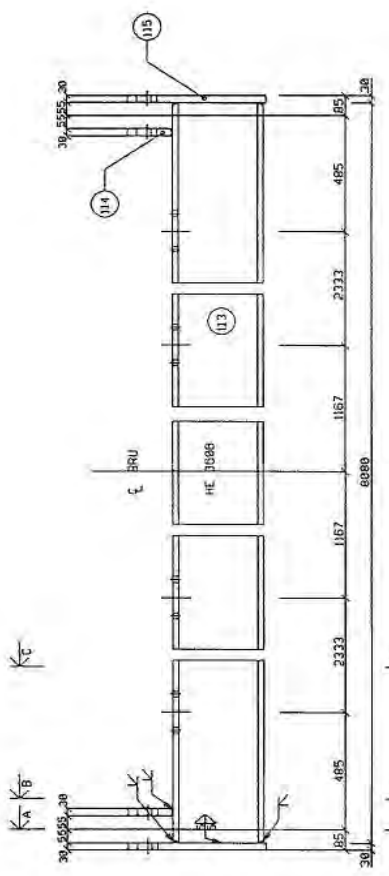
GENERELLT FOR ALLE PLATER:
 T=25 (MER POS 90, T=10)
 HULL Ø26
 SVEISER TIL HOVEDBUELENER: 6/5
 FAGVERKET ER VIST PÅ TEKNING NR. 05A

| DATA | BETEGNELSE | REVISJON | REVISJON | REVISJON | REVISJON |
|------|----------------------------------------|----------|----------|----------|----------|
| | STATENS VEGVESEN | | | | |
| | Støpede Per Jernbrosur 7 x 15 | | | | |
| | FACVERK | | | | |
| | PLATER OG MATERIALLISTE | | | | |
| | Vegvaskerstatens bronning, Østlands-08 | | | | |
| | H.T. Ødderud (sign) | | | | |
| | OKleppa (sign) | | | | |
| | Verd. jbn. Bl. nr. | 92 | 4 | | 05-11 |

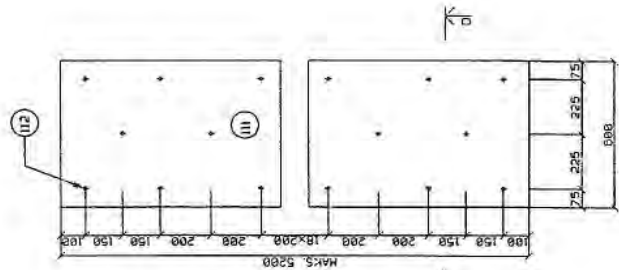
| POS | ANT. | BENEVELSE | DIMENSJONER | | VEKT I kg | | STÅLVARIANT |
|-----|------|-------------|-------------|--------|-----------|-------|------------------------|
| | | | LENGDE | BREKKE | TRUK | TOTAL | |
| 111 | 2 | PLATE | 5200 | 888 | 15 | 374 | 74B RS137-2 (f=300BPN) |
| 112 | 82 | K44STÅL ø12 | 488 | | | 200 | K500B5 |
| 113 | 1 | HE 3088 | 6080 | | | 1148 | S152-3N (f=51001) |
| 114 | 2 | PLATE | 175 | 288 | 30 | 12 | 24 RS137-2 (f=300BPN) |
| 115 | 2 | PLATE | 545 | 268 | 36 | 37 | 73 RS137-2 (f=300BPN) |
| | | | | | SUM | 2022 | |



PLAN HEISBJELKE
110



OPPRISS HEISBJELKE
110

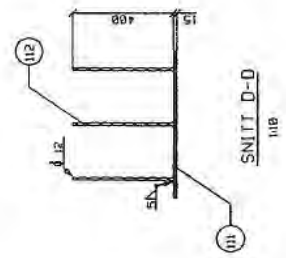


OPPRISS GLIDEPLATE
110

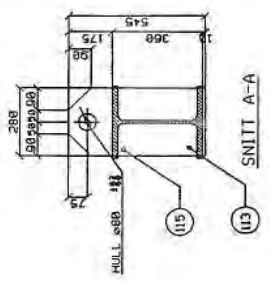
ANTALL POS 112 HA
LØSSES I KONTAKT MED
TILPASSET VALTE NIVÅER
FOR KAI OG STOPPELJELKE.
SE TEIING 15.

BEMERKNINGER

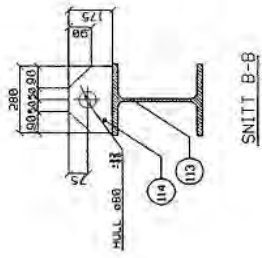
FOR FESTE FOR HYDRULIKSYLINGER LAGES SKAL
STÅLVARSTIL TA KONTAKT MED WEDDRIOR/
HYDRULIKKLEMMER FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN SYLINGENEN SOM SKAL BRUKES.



SNITT D-D
110

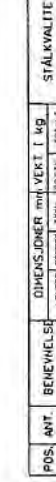
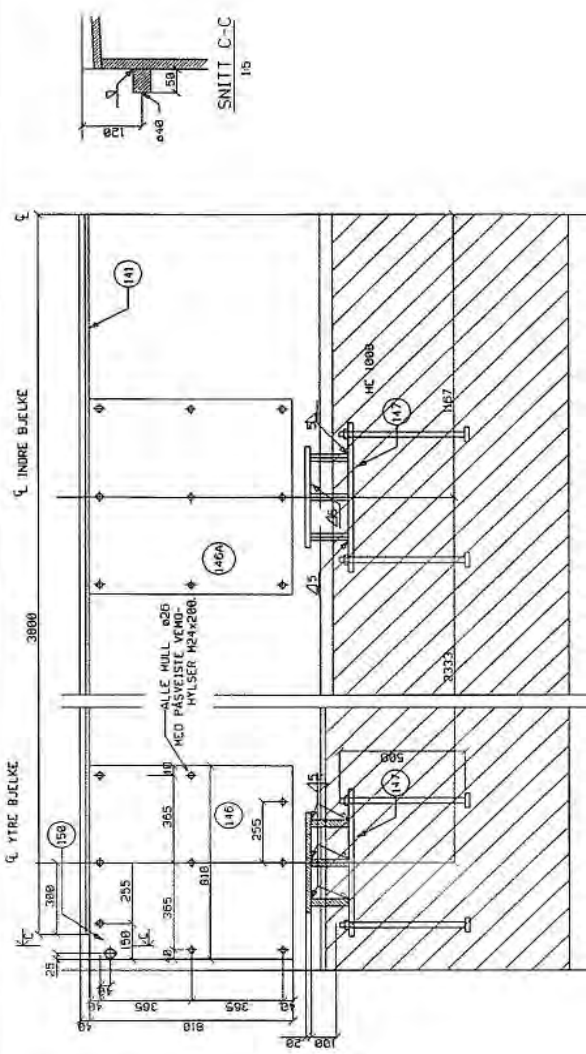


SNITT A-A



SNITT B-B

| DRAG | BY | NUM | REVISJON | BYG | BYG |
|-------------|---------------------|-----|----------|---------|---------|
| STATENS | VEGVESEN | M10 | 10/15 | 2003/02 | 2002/02 |
| Standard | For Jekkeru 7 x 15 | M10 | 10/15 | 2003/02 | 2002/02 |
| HEISEBJELKE | INNSTOPT GLIDEPLATE | M10 | 10/15 | 2003/02 | 2002/02 |
| HT-Biderud | egen | 92 | 4 | 07A | |

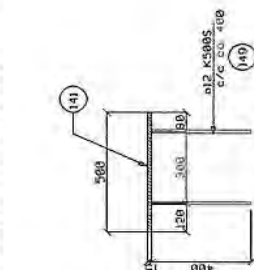
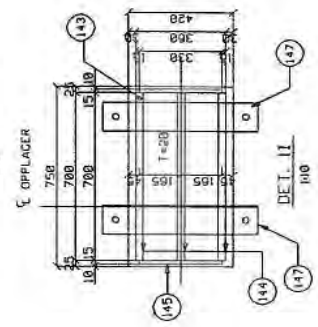


SNITT B-B
1/10

| POS. NR. | BETEGNELSE | DIMENSJONER mm | | | VEKT I kg | STÅLKVALITET |
|----------|---------------|----------------|--------------|--------|------------------------|--------------|
| | | LØSSE | TRE | TOTALT | | |
| 141 | 1 PLATE | 750x500 | 15 | 450 | 450 RS137-2 (Fe360BFN) | |
| 142 | 2 PLATE | 900x350 | 10 | 25 | 50 RS137-2 (Fe360BFN) | |
| 143 | 4 PLATE | 750x420 | 20 | 50 | 200 HANNOX 400 | |
| 144 | 12 PLATE | 700x150 | 30 | 26 | 312 RS137-2 (Fe360BFN) | |
| 145 | 8 PLATE | 330x100 | 15 | 4 | 32 RS137-2 (Fe360BFN) | |
| 146 | 2 PLATE | 810x110 | 20 | 105 | 210 RS137-2 (Fe360BFN) | |
| 146A | 2 PLATE | 810x110 | 20 | 105 | 210 RS137-2 (Fe360BFN) | |
| 147 | 8 PLATE | 650x120 | 20 | 12 | 90 RS137-2 (Fe360BFN) | |
| 148 | 44 VEMOHYLSER | 1900x M24x200 | ELLER TILSV. | | | |
| 149 | 46 KANSTÅL | Ø12 | 480 | 0,35 | 16 K500S | |
| 150 | 2 RUNDST. | Ø40 | 50 | 0,50 | 2 RS137-2 (Fe360BFN) | |
| | | | | SUM | 1584 | |



VEMOHYLSER, TYP. DETALJ
1/10

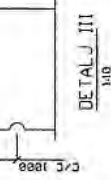
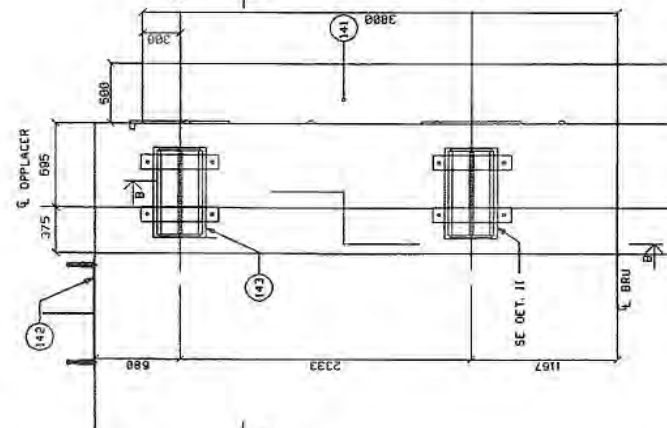


Ø YTRRE BJELKE
1/10

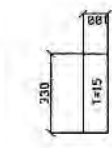
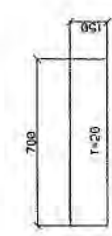
Ø INRE BJELKE
1/10

BEMERKNING
POS. NR. 143 LAGERPLATENE, MÅ MONTERES I RIKTIG HØYDE FRA ØK. LAGOKAR. LAGERPLATENS INNGYRES NIVÅFORSKJELL MÅ IKKE OVERSTIGE 3MM.

SNITT A-A
1/10



DETAILJ III
1/10

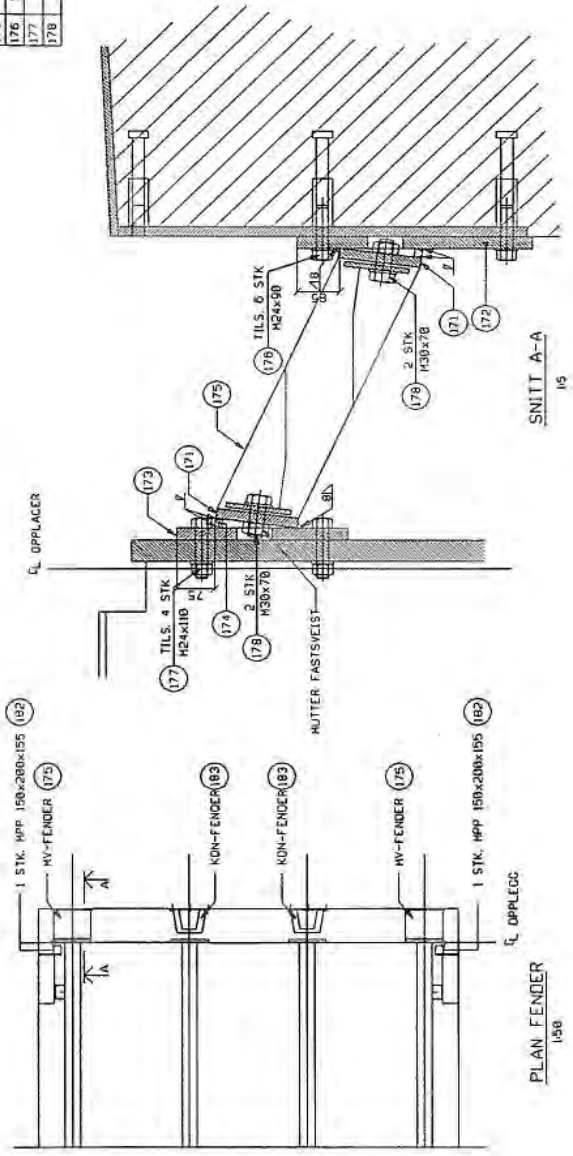


POS. 144

POS. 145

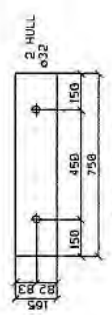
| | | | | |
|-----------------------------------------------|--|-----------------------------------------------|------------------|------------------|
| STATENS VEGVESEN | | Statens vegvesen | Materiell | Statens vegvesen |
| Standard for Jøkkeler 7 x 15 | | Standard for Jøkkeler 7 x 15 | Statens vegvesen | Statens vegvesen |
| INNSTØPINGSODS VED LANDKAR. BRILLARE | | Innstøpingsods ved landkar. Brillare | Statens vegvesen | Statens vegvesen |
| Vegghattens konstruksjons og utførelsesregler | | Vegghattens konstruksjons og utførelsesregler | Statens vegvesen | Statens vegvesen |
| H.T.Øderud | | H.T.Øderud | Statens vegvesen | Statens vegvesen |
| 92 | | 92 | Statens vegvesen | Statens vegvesen |
| 4 | | 4 | Statens vegvesen | Statens vegvesen |
| 09-18 | | 09-18 | Statens vegvesen | Statens vegvesen |

| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | | VEKT I kg | STÅLKVALITET | | |
|------|------|-----------------------|----------------|-------------|-----------|--------------|---------|------------------|
| | | | LODST. BRØDDE | TREK. HØYDE | | | TOTALT | |
| 171 | 4 | PLATE | 750 | 165 | 20 | 80 | RS137-2 | IF 0308BF NO |
| 172 | 2 | PLATE | 630 | 465 | 25 | 77 | RS137-2 | IF 0308BF NO |
| 173 | 2 | PLATE | 750 | 340 | 25 | 51 | RS137-2 | IF 0308BF NO |
| 174 | 4 | PLATE | 750 | 28 | 15 | 2 | RS137-2 | IF 0308BF NO |
| 175 | 2 | FENDER HV 550x750x155 | | | | | | PRELLEK KYVAL. A |
| 176 | 12 | SKRUE M24x80 | | | | | | |
| 177 | 9 | SKRUE M24x110 | | | | | | |
| 178 | 8 | SKRUE M30x70 | | | | | | |
| | | | | | SUM | 340 | | |

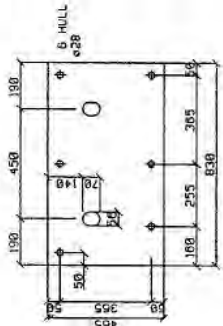


SNITT A-A
1/5

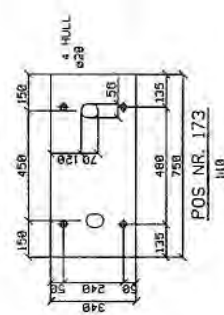
PLAN FENDER
1/50



POS NR. 171
1/10



POS NR. 172
1/10



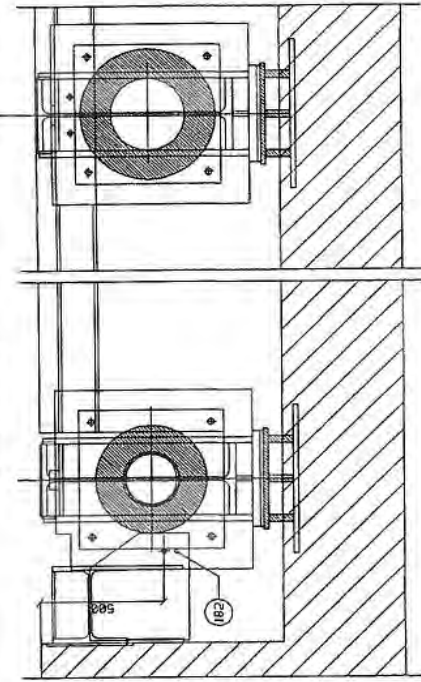
POS NR. 173
1/10

FOR POS NR. 182 OG 183, SE TEGNING NR. 890.

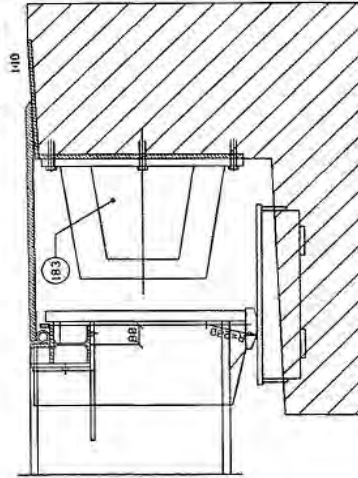
| Dato | REVISJON | MERKE | REVISJON | REV. | Maks. for. St. nr. | Bl. nr. |
|------------------------------------|----------|------------------|----------|------|--------------------|---------|
| | | | | | | |
| | | STATENS VECVESEN | | | 92 | 09-11 |
| Standard for jøkkelbu 7 x 15 | | | | | | |
| HV-FENDER | | | | | | |
| Veiprøvetest i brukning, Omlopp 00 | | | | | | |
| Hjørerud (egn) | | | | | | |
| OKleppe (egn) | | | | | | |
| Festning / for. | | | | | | |

CL YTRE HOVEDBJELKE

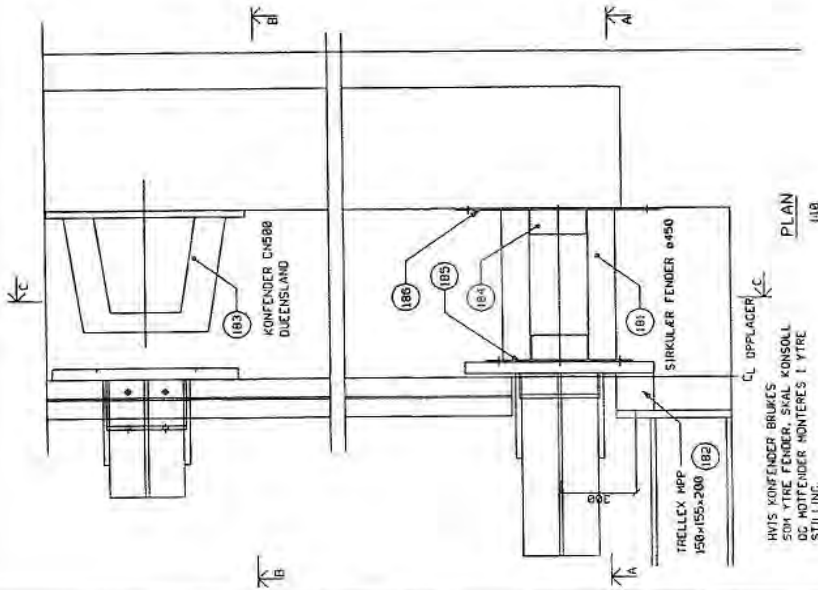
CL INNRE HOVEDBJELKE



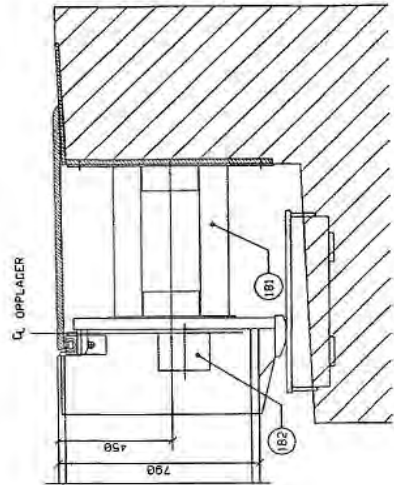
SNITT C-C



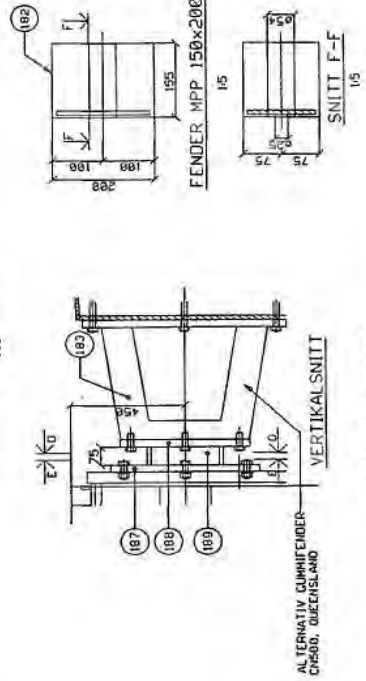
SNITT B-B
INNRE HOVEDBJELKE
110



PLAN
118

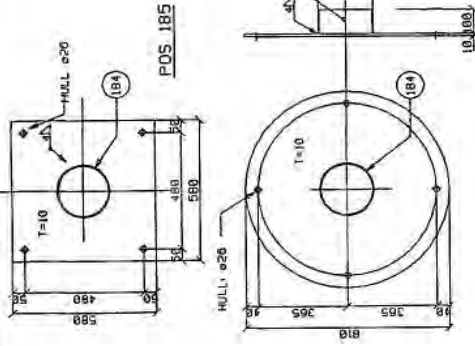


SNITT A-A
HOVEDBJELKE H/ FENDER
(SIDESTYRING IKKE INTECNET)
110



ALTERNATIV KUMPFENDER-
CH580, QUEENSLAND
VERTIKAL SNITT

SDH ALTERNATIV YTRE FENDER
KAN BRUKES KUMPFENDER CH580 MED
STREKKFORBINDER TIL HOVEDBJELKE



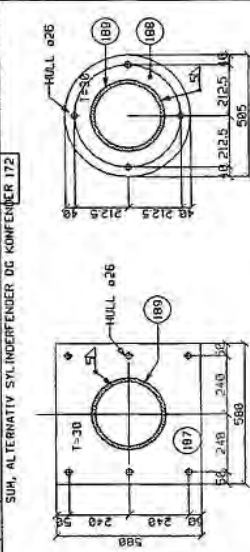
SNITT D-D

SNITT E-E

POS 185

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I kg | STÅLKVALITET |
|-----------|--------------------|----------------|--------------|--------------|
| | | LENGDE | BRØDST. TRYK | TRINKL. |
| 181 | 2 KUMPFENDER Ø450 | 815 | - | - |
| 182 | 2 KUMPFENDER MPP | 155 | 150 | 200 |
| 183 | 2 KUMPFENDER CH580 | - | - | - |
| 184 | 4 FRB. Ø219 | 100 | 6 | 3 |
| 185 | 2 PLATE Ø580 | 580 | 580 | 10 |
| 186 | 2 PLATE Ø810 | - | 52 | 104 |

SUM, ALTERNATIV SYLINDERFENDER OG KUMPFENDER 172



SNITT D-D

POS 186

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I kg | ST LKVALITET |
|-----------|--------------------|----------------|--------------|--------------|
| | | LENGDE | BRØDST. TRYK | TRINKL. |
| 182 | 2 KUMPFENDER MPP | 155 | 150 | 200 |
| 183 | 4 KUMPFENDER CH580 | 580 | 580 | 38 |
| 187 | 2 PLATE | 580 | 580 | 81 |
| 188 | 2 PLATE Ø505 | - | 30 | 61 |
| 189 | 2 FRB. Ø208,5 | 75 | 10 | 9 |

SUM, ALTERNATIV BARE KUMPFENDER 302

| REGNUM | DR. NAVN | DELLEDE | DR. NR. |
|--------|----------|---------|---------|
| 110 | KL. PS | 120002 | |

Standard for jobbet nr 7 x 15

| REGNUM | DR. NAVN | DELLEDE | DR. NR. |
|--------|----------|---------|---------|
| 110 | KL. PS | 120002 | |

FENERE

| REGNUM | DR. NAVN | DELLEDE | DR. NR. |
|--------|----------|---------|---------|
| 110 | KL. PS | 120002 | |

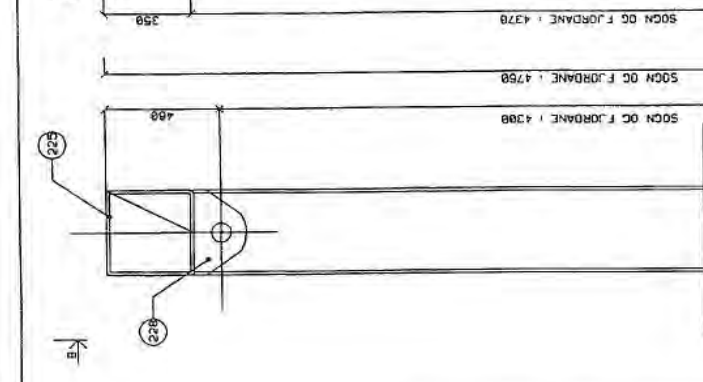
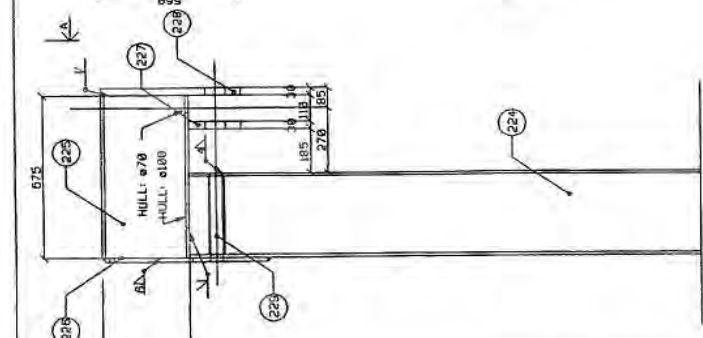
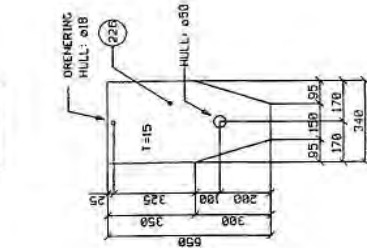
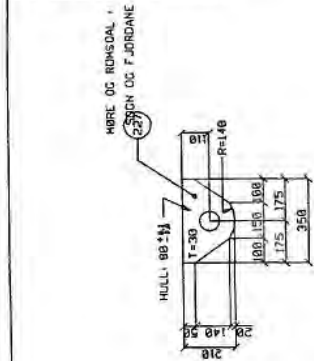
Erstatning for.

| DR. NR. | DR. NAVN | DELLEDE | DR. NR. |
|---------|----------|---------|---------|
| 92 | 4 | 29-1VA | |

ALLE SKRIVER M24

| POS. ANI. | BENEVLISSE | DIMENSJONER mm VERT I KG | | | STÅLKVALITET |
|-----------------------------------|--------------|--------------------------|--------|-----------|----------------------------|
| | | LENGDE | BRØDDE | TJUKKELSE | |
| 221 | 2 PLATE | 1080 | 880 | 48 | 512 SLS2-3N (F451001) |
| 222 | 4 PLATE | 488 | 288 | 15 | 48 RSL37-2 (F43088FN) |
| 223 | 4 PLATE | 588 | 588 | 15 | 30 RSL37-2 (F43088FN) |
| 224 | 2 HMP 358x12 | 4670 | | | 1158 SLS2-3N (F451001) |
| 225 | 2 HMP 358x12 | 4278 | | | 542 1004 SLS2-3N (F451001) |
| 226 | 2 PLATE | 698 | 348 | 15 | 94 RSL37-2 (F43088FN) |
| 227 | 2 PLATE | 358 | 218 | 30 | 36 RSL37-2 (F43088FN) |
| 228 | 2 PLATE | 568 | 388 | 20 | 94 RSL37-2 (F43088FN) |
| 229 | 2 RØR Ø55x18 | 335 | | | 6 RSL37-2 (F43088FN) |
| MØRE OG RØRSDAL, SOGN OG FJORDANE | | | | SUM | 2187 |
| SOGN OG FJORDANE | | | | SUM | 2113 |

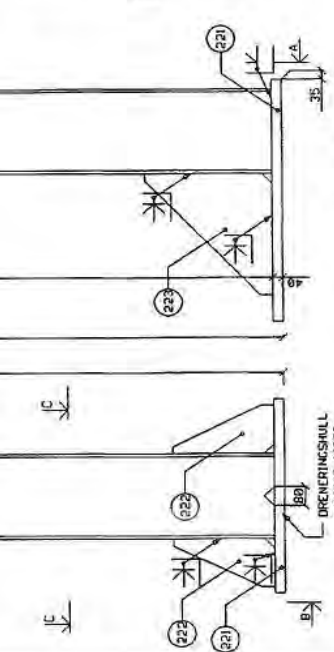
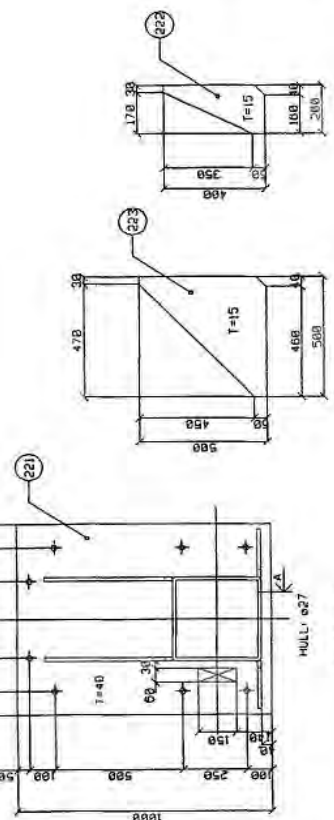
MØRE OG RØRSDAL, SOGN OG FJORDANE



BEMERKNINGER

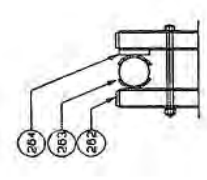
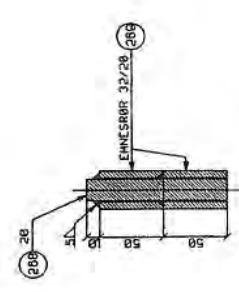
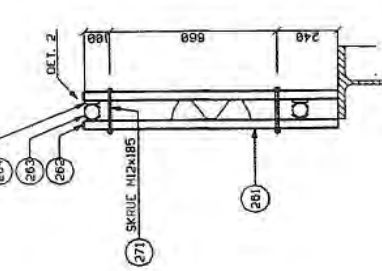
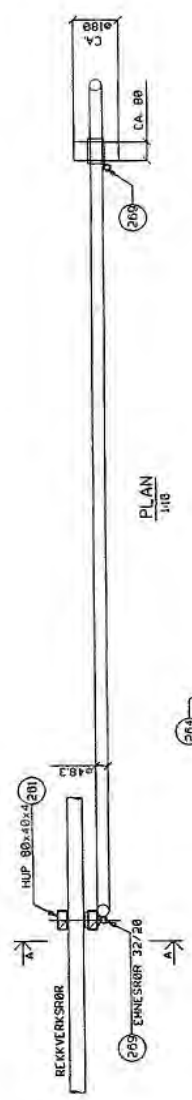
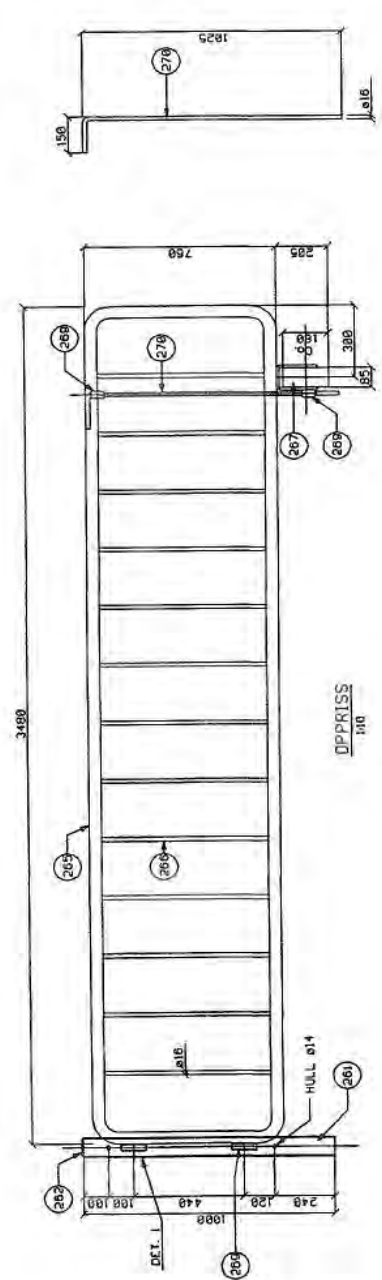
HEISETÅRNETS HØYDE ER NØYERET VED ULIKE NIVÅ PÅ KAI- OG LANDINGAR MÅ HØYDEN TILPASSER SE TECHNING NR. 15.

FOR FESTE FOR HYDRULIKKYLINDRER LAGES SKAL STÅLVÆRSTED I A KONTAKT MED VEGGVINDU/ HYDRULIKKYLINDRER FOR Å KONTROLLERE AT FESTEET PASSER TIL DEN SYLMEREN SOM SKAL BRUKES



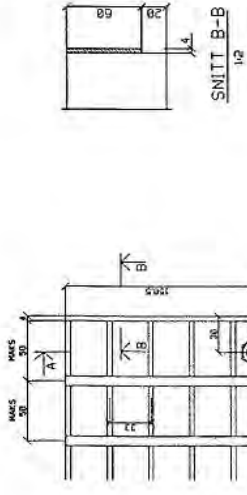
| | | | |
|---------------------------------|-----------|--------|---------|
| Dato | Rettelser | Utgitt | KF. |
| | | 1/20 | 2003/09 |
| | | 1/20 | 2002/02 |
| | | 1/20 | |
| Standard for Jektarbeid 7 x 15 | | | |
| mm | | | |
| Erstatning / av. | | | |
| HEISETÅRN | | | |
| Veggeretaste brukning. Foto: 40 | | | |
| H.T. Østlund | | | |
| 0 Klasse | | | |
| 92 4 11 | | | |

| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | | VEKT I kg | STÅLKVALITET |
|------|------|-------------------|----------------|-------|-----------|------------------------|
| | | | LØSST. TITEL | TITEL | | |
| 201 | 2 | HUP 80x10x4 | 1000 | 7 | 14 | St144-3N (Fe300BFN) |
| 202 | 2 | PLATE | 76 | 59 | 6 | 1 REL:37-2 (Fe300BFN) |
| 203 | 4 | 1/3 RØR 761 x 3,2 | 60 | | | REL:37-2 (Fe300BFN) |
| 204 | 2 | PLATE | 60 | 60 | 19 | 1 REL:37-2 (Fe300BFN) |
| 205 | 14 | RØR 48,3 x 3,8 | 85 | | | 34 REL:37-2 (Fe300BFN) |
| 206 | 13 | RUNDSÅL Ø16 | 603 | | | 13 REL:37-2 (Fe300BFN) |
| 207 | 1 | NYLONHJUL | | | | |
| 208 | 2 | RUNDSÅL Ø20 | 110 | | | 1 REL:37-2 (Fe300BFN) |
| 209 | 6 | EMNESRØR 32/28 | 59 | | | 1 S4:52-3N (Fe510D1) |
| 270 | 1 | RUNDSÅL Ø16 | 1175 | | | 2 REL:37-2 (Fe300BFN) |
| 271 | 2 | SKRUE M12x185 | | | | |
| SUM | | | | | | Ø7 + HJUL |

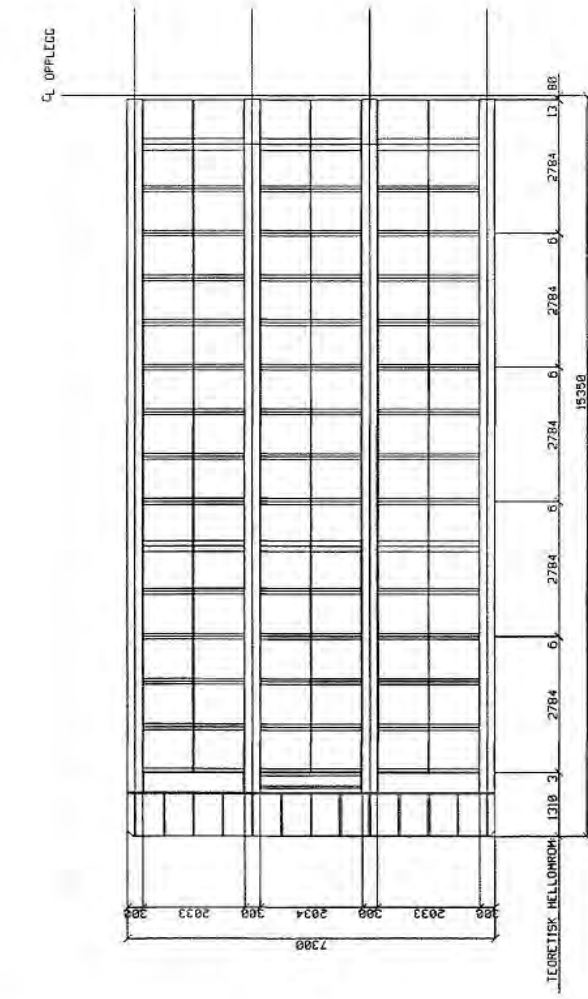


HVOR IKKE ANNEN SVEIS ER VIST, BRUKES XLSVETS 4.

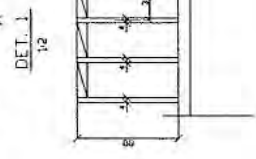
| Relaterte | | a | b | Material | Refer. |
|------------------------------------------|--|-----|-----|----------|--------|
| STATENS VEGVESEN | | 110 | 110 | 110 | 260950 |
| Standard for Jelebrus 7 x 15 | | 110 | 110 | 110 | 260950 |
| RULLEPORT | | | | | |
| Vegrelatorstatens Bruvøring, Gato, No-96 | | | | | |
| HT-Drøud | | | | | |
| ØKleppes | | | | | |
| Version | | 92 | 4 | | |
| Bl. no. | | | | | 12-11 |



SNITT B-B
1/2

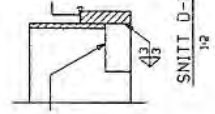


SNITT A-A
1/2



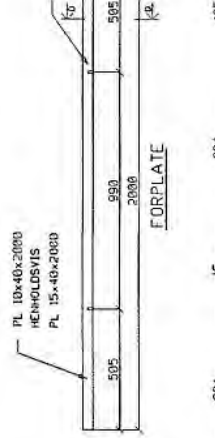
DET. 1
1/2

PL 10x40
HEMHOIDSVIS
PL 15x40



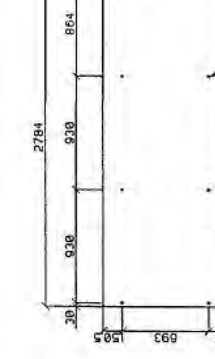
SNITT D-D
1/2

PL 10x40x2000
HEMHOIDSVIS
PL 15x40x2000

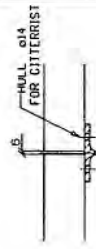


PLAN
1/50

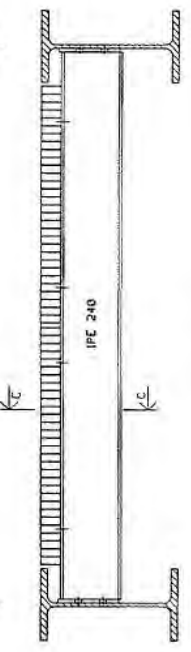
PL 10x40x2000
HEMHOIDSVIS
PL 15x40x2000



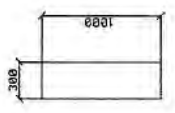
CITERRISIER TIL DEKKE
1/28



SNITT C-C
1/5



TYPISK SNITT
1/10



CITERRISIER TIL MIDTRE PANEL
1/28
BÆRESTÅL 20x30 c50

- BEMERKNING:**
1. BÆRESTÅLET SKAL VÆRE SÆTTAGGET
 2. STÅLKVALITET: S1552-3K
 3. CITERRISIER SKAL VARMFORSINKES V ZN MS 1970 TIL BELEGGTYKKELSE MIN. 115µm
 4. ANTALL: DEKKE: 30 STK. PANEL: 2 STK.
 5. ANTALL FORPLATER: 10 MM: 3 STK. 15 MM: 3 STK.
- CITERRISIERNE SKIVES SAMMEN I LENGDERETNING OG FORPLATER LEGGES NED I BEGGE ENDER.

| Oslo | Byggesaksnr. | Byggesaksnavn | Byggesaksnr. | Byggesaksnavn | Byggesaksnr. | Byggesaksnavn |
|------|--------------|----------------------------------------|--------------|------------------------------|--------------|---------------|
| | | STATENS VEGVESEN | | Standard for jakobruv 7 x 15 | | |
| | | CITERRISIER | | | | |
| | | Vegde-tilstands beredning, Oslo, Nr-88 | | H.T. Øderud | | |
| | | DK-leppe | 92 | 4 | 13 | |

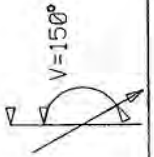
OVERSIKT OVER SKRUER

| KONSTRUKSJONSDEL | DIMENSJON | FASTHETS-
KLASSE | ANTALL | REF. TEGN. |
|--------------------|-----------|---------------------|--------|------------|
| FRONTBJELKE | M24x80 | 8.8-NS5750 | 32 | 04 |
| FRONTBJELKE | M24x75 | 8.8-NS5750 | 24 | 04 |
| TVERRBJELKER | M24x80 | 8.8-NS5750 | 120 | 03 |
| TVERRBJELKER | M24x65 | 8.8-NS5750 | 120 | 03 |
| FAGVERK | M24x85 | 8.8-NS5750 | 16 | 05 |
| FAGVERK | M24x75 | 8.8-NS5750 | 100 | 05 |
| PANELER | M24x70 | 8.8-NS5750 | 16 | 06 |
| PANELER | M24x60 | 8.8-NS5750 | 8 | 06 |
| HEISEBJELKE | M24x85 | 8.8-NS5750 | 16 | 07 |
| BAKRE TVERRBJ. | M20x75 | 8.8-NS5750 | 12 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| OVERGANGSPATE | M24x80 | 8.8-NS5750 | 2 | 08 |
| DEKKPLATE | M24x95 | 8.8-NS5750 | 2 | 09 |
| FREMRE SIDESTYRING | M24x85 | 8.8-NS5750 | 12 | 10 |
| FREMRE SIDESTYRING | M12x30 | 8.8-NS5750 | 4 | 10 |

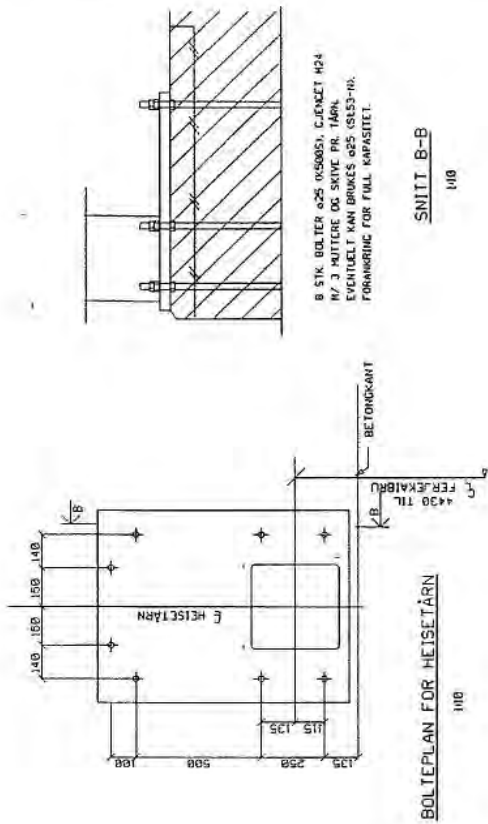
I TILLEGG KOMMER SKRUER TIL
GITERRISTER, REKKVERK OG FENDERE.

DIMENSJONER ETTER NS 5720/NS 5721
OG FASTHETSKLASSE 8.8 IFLG. NS 5750.
SEKSKANTMUTTERE IFLG. NS 5730
OG FASTHETSKLASSE 8.8 IFLG. NS 5751.
UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHÅRDHET HB 200.
SKRUER, MUTTERE OG SKIVER SKAL V RE I VARMFORSINKET UTFØRELSE.
ALLE SKRUER SKAL HA UNDERLAGSSKIVER UNDER HODE OG MUTTER.

TILSETTING AV SKRUER.
SKRUENE SETTES FAST TIL FOR HAND MED VANLIG NØKKELE SLIK AT
TILSTØTENDE FLATER LIGGER TETT SAMMEN. (SNUG-TIHT)
PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EV. SKRUEN)
EN VINKEL $V=150^\circ$



| Rettelse | | b | |
|--------------------------------------------|--|-----------|-----------|
| Dato | | a | |
| STATENS VEGVESEN | | Merke | Rettet |
| Standard ferjekajbru: 7 x 15 | | Målestokk | Tegn. MAF |
| | | | Ktr. PS |
| SKRUER, MUTTERE OG SKIVER. | | Mål i mm | Trac. |
| | | | Trac.ktr. |
| Erstatning for: | | | |
| Vegdirektoratets bruavdeling, Oslo, Mai-96 | | Versjon | St. nr. |
| H.T.Øderud (sign) | | 92 | 4 |
| | | | Bl. nr. |
| | | | 14 |

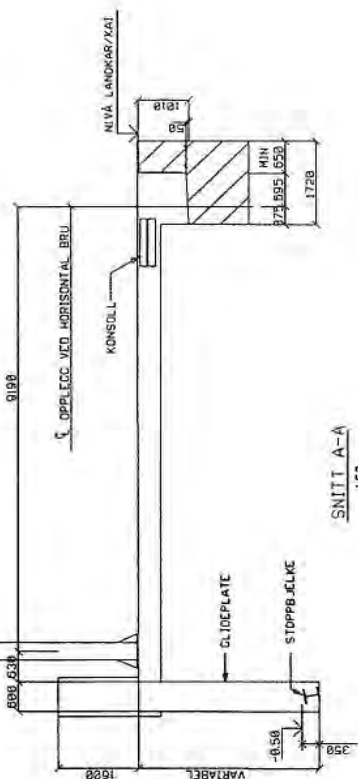


B 5TK BOLLER Ø25 (K50085), LØSNET M24
 M/ 3 MUTTERE OG SKIVE PR. TÅRN.
 EVENTUELT KAN BRUKES Ø25 (S553-10).
 FORMØNING FOR FULL KAPASITET.

SNITT B-B
 1/10

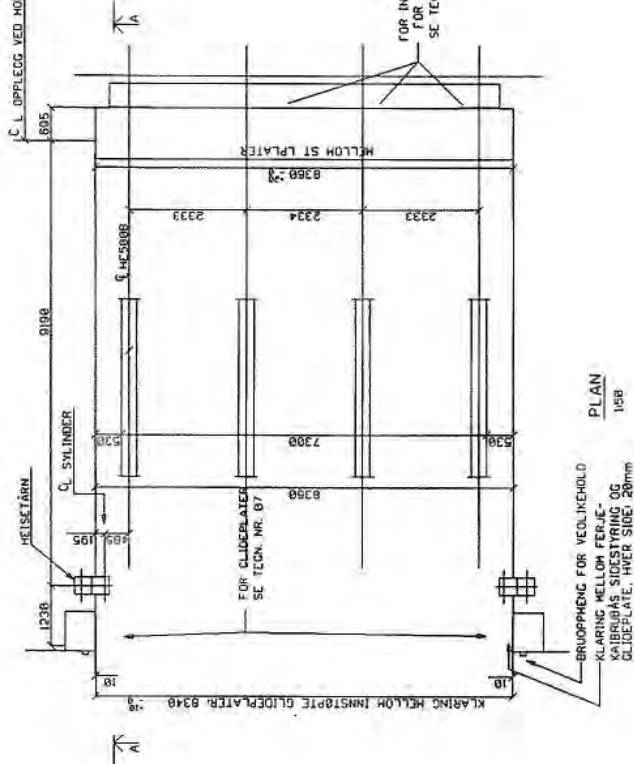
BOLTEPLAN FOR HEISETÅRN
 1/10

SYLINDEROPPHENG
 FORUTSATT SYLINDEROPPHENG Ø=160 mm
 MØRE OG RØMSDAL
 SLÅLENDE L₁=3200 mm
 UTTRUKKET LENGDE 2L₁+A=7025 mm
 SOGN OG F.JORDANE
 SLÅLENDE L₂=3000 mm
 UTTRUKKET LENGDE 2L₂+A=6425 mm



SNITT A-A
 1/50

C L OPPLØGG VED HORIZONTAL BRU



FORUTSETNING
 KAIMIVÅ = LANDEKARNIVÅ

LANDEKAR- OG KAIMIVÅ KAN SEIKES TIL LAYERE NIVÅ ER ENN NORMALNIVÅ
 FORUTSATT SAMME HEISETÅRN OG SAMME SYLINDERLENDE.
 ØPNINGS FØLGENDE NIVÅ ER ØK. HØKSTIMALE UTSLAG PÅ
 FERJEKABRUBAS BEVEGELSE.

| NOEN OG RØMSDAL | NIVÅ | NIVÅ ØVRE | MAXS. NIVÅ | MIN NIVÅ |
|-------------------|----------------|-----------------|-------------|-------------|
| | LANDEKAR/YAJ | SYLINDEROPPHENG | OK BRUFRONT | OK BRUFRONT |
| | +2,20 (NORMAL) | + 6,80 | +4,41 | -0,72 |
| SOGN OG F.JORDANE | NIVÅ | NIVÅ ØVRE | MAXS. NIVÅ | MIN NIVÅ |
| | LANDEKAR/YAJ | SYLINDEROPPHENG | OK BRUFRONT | OK BRUFRONT |
| | +2,80 (NORMAL) | +6,30 | +4,21 | -0,41 |

| Dato | Rettes | Revis | Retst | Kor. |
|---------------------------------|--------|-------|-------|------|
| STATENS VEGVESEN | | | | |
| Standard ferjekabru 7 x 15 | | | | |
| mm | mm | mm | mm | mm |
| BETONGHÅL BRUBÅS | | | | |
| Vippestøtteste b-nivå, Ok, M=00 | | | | |
| H.T.Øderud | | | | |
| O.klepp | | | | |
| Ugn | | | | |
| Vergj. St. nr. Bl. nr. | | | | |
| 92 4 15 | | | | |

STANDARD FERJEKAIBRU

7 x 18 m.

(5)

STANDARD FERJEKAIBRU, 7 x 18 m.

(Std. nr. 5)

TEGNINGSLISTE

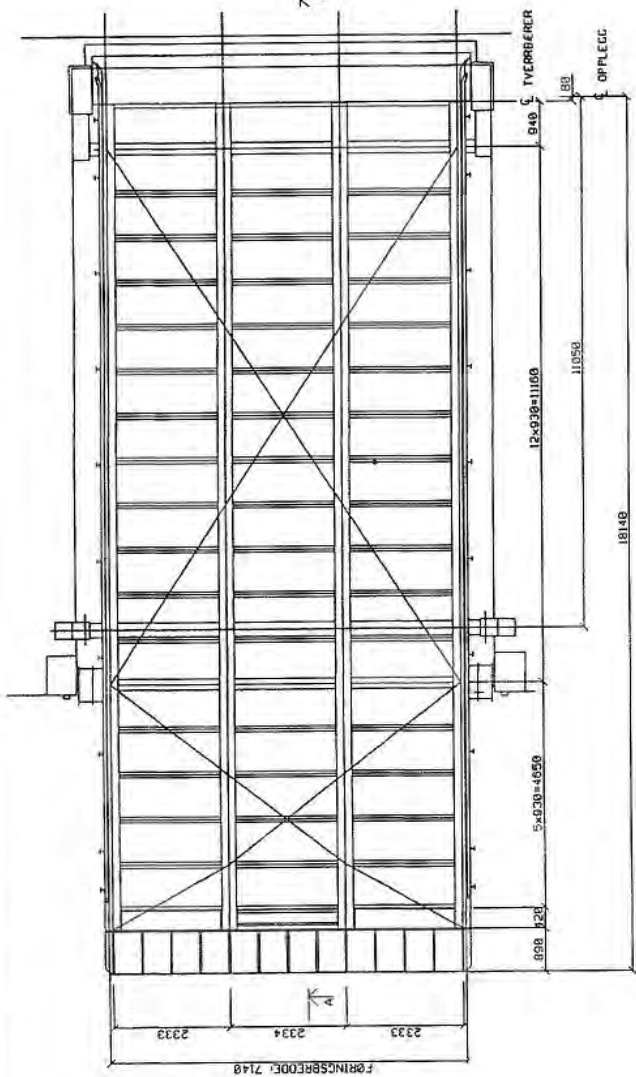
| | |
|-----------------|------------------------------------------|
| Bl. nr. 01B | Oversikt |
| Bl. nr. 02-IA | Hovedbjelker med detaljer |
| Bl. nr. 02-IIA | Indre hovedbjelker med detaljer |
| Bl. nr. 02-IIIB | Hovedbjelker, plater og materialliste |
| Bl. nr. 02-IV | Hovedbjelker, hull og skjæringer |
| Bl. nr. 03 | Tverrbjelker |
| Bl. nr. 04-IA | Frontbjelke med detaljer |
| Bl. nr. 04-IIA | Frontbjelke, plater og materialliste |
| Bl. nr. 05-I | Fagverk, plan og detaljer |
| Bl. nr. 05-II | Fagverk, plater og materialliste |
| Bl. nr. 06A | Paneler bak frontbjelke |
| Bl. nr. 07A | Heisebjelke, innstøpt glideplate |
| Bl. nr. 08A | Bakre tverrbjelke, overgangsplate |
| Bl. nr. 09-IB | Innstøpningsgods ved landkar, brulagre |
| Bl. nr. 09-IIA | Konsoll og dekkplate ved landkar |
| Bl. nr. 09-III | MV-fender |
| Bl. nr. 09-IVA | Fendere |
| Bl. nr. 10A | Fremre sidestyling, glidende og rullende |
| Bl. nr. 11 | Heisetårn |
| Bl. nr. 12-IB | Brurekkverk |
| Bl. nr. 12-II | Rulleport |
| Bl. nr. 13 | Gitterrister |
| Bl. nr. 14 | Skruer, muttere og skiver |
| Bl. nr. 15 | Betongmål brubås |
| Bl. nr. 16 | Utstyr |
| Bl. nr. 17A | Bruoppheng for vedlikehold |

TEGNING-/MATERIALLISTE

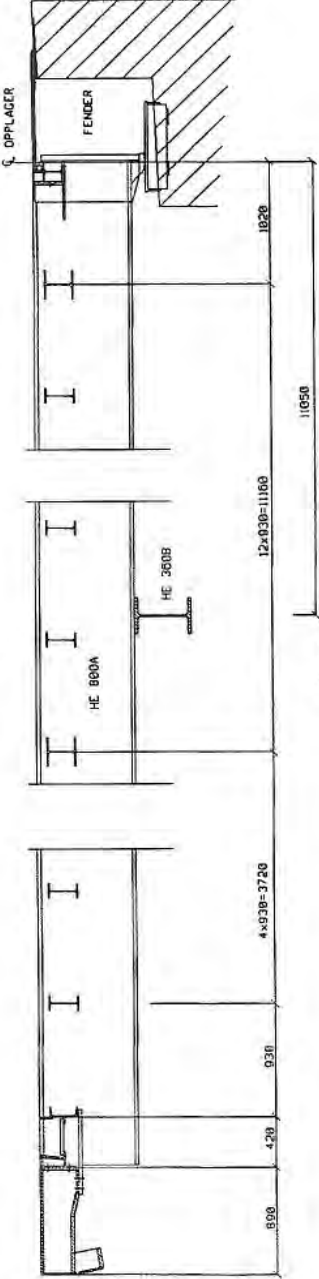
| BL. NR. | KONSTRUKTJONSDELER | POS. NR. | VEKT I KILO |
|----------------|-------------------------------|----------|-------------|
| 85A | TIL Ø20 HØVEDBÆLKER | 1-30 | 17085 |
| 85B | TVERRBÆLKER | 31-40 | 4157 |
| 84A | FRONTBÆLKE | 41-55 | 4188 |
| 85A | FAGVERK | 71-98 | 3138 |
| 86 | PANELER BAK FRONTBÆLKE | 91-98 | 555 |
| 87 | HÆSEBÆLKE GULDFLÅTJ. SIDERI. | 111-119 | 2552 |
| 88 | BØRRE TVERREJ OVERGANGSPLÅTJ. | 121-128 | 1904 |
| 89A | BØRRE TVERREJ OVERGANGSPLÅTJ. | 141-158 | 1584 |
| 89B | BØRRE TVERREJ OVERGANGSPLÅTJ. | 161-168 | 924 |
| 89C | BØRRE TVERREJ OVERGANGSPLÅTJ. | 171-178 | 2301 |
| 89D | BØRRE TVERREJ OVERGANGSPLÅTJ. | 181-188 | 2335 |
| 89E | BØRRE TVERREJ OVERGANGSPLÅTJ. | 191-198 | 39447 |
| 89F | BØRRE TVERREJ OVERGANGSPLÅTJ. | 201-207 | 447 |
| 11 | HÆSEBÆLKE | 221-228 | 39447 |
| 11 | HÆSEBÆLKE | 231-238 | 39447 |
| SUM NORD-NØRGE | | | 39447 |
| TRØNDELAGE | | | 39447 |
| SUM TRØNDELAGE | | | 39447 |

| BL. NR. | UTSTYR MÅL | POS. NR. |
|---------|---------------------------|----------|
| 89C | HV-TENDER | 171-178 |
| 89D | FENDER | 181-188 |
| 12 | BRØKKEVERK | 231-238 |
| 13 | SÅLER MULLEK OG SKIVER | |
| 15 | BETONGMÅL BRUBÅS | |
| 16 | UTSTYR | |
| 17 | BRØDDEHOLD FOR VEDLIEHOLD | 201-208 |

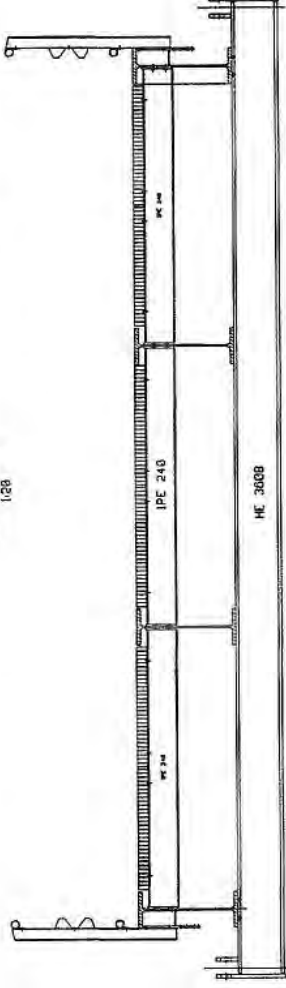
KRAV TIL BETONGKONSTRUKSJONEN. KFR. 15 BETONGMÅL BRUBÅS.



PLAN 108



SNITT A-A 108

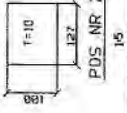
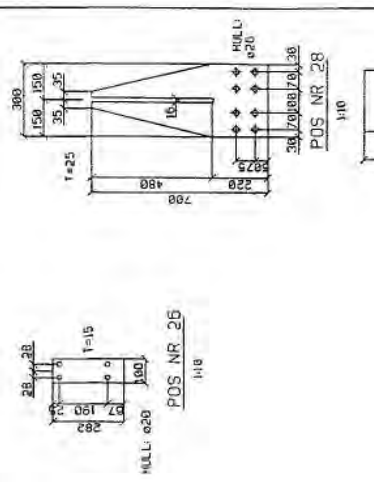
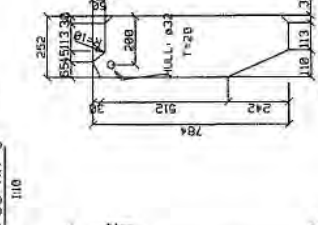
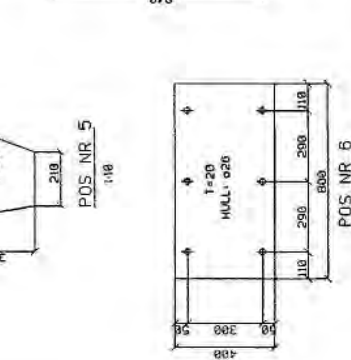
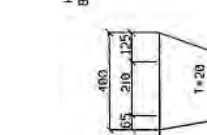
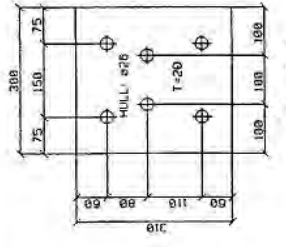
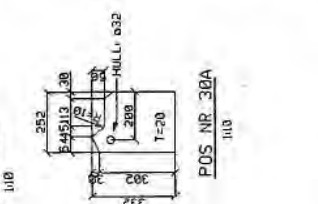
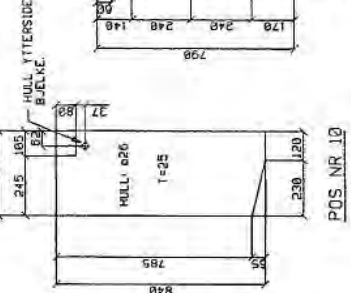
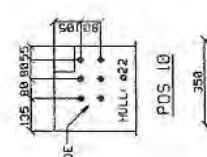
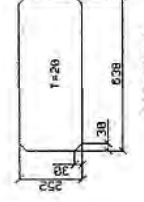
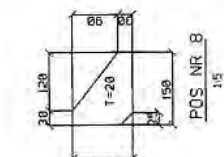
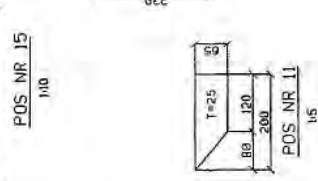
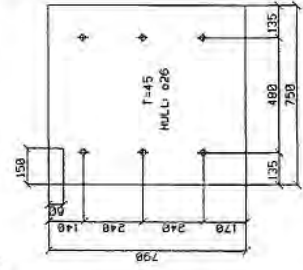
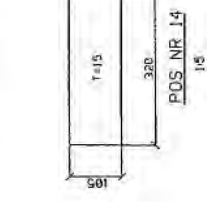
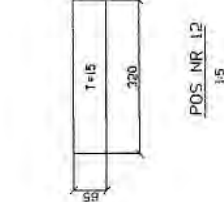
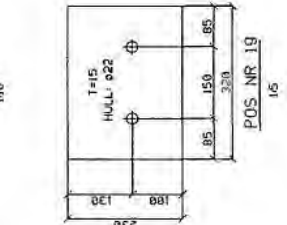
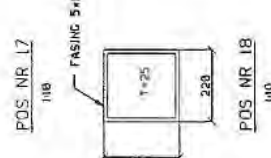
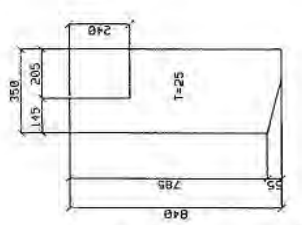
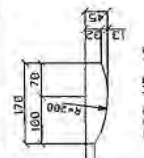
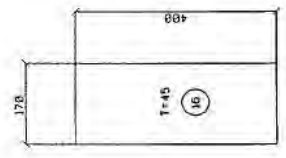
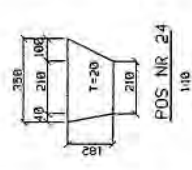
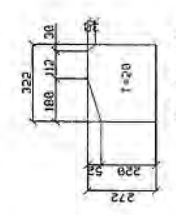
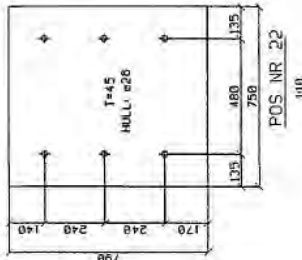
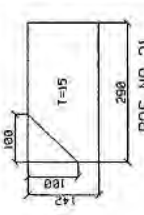
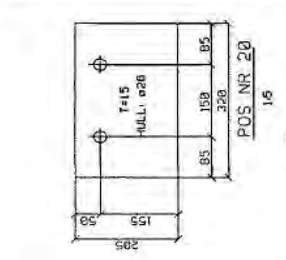


TVERRSNITT 108

| BL. NR. | ØRS. MATERIALISTE | D | M | KR. |
|------------------------------------|-------------------|---|---|-----|
| 108 | ØRS. MATERIALISTE | | | |
| 108 | ØRS. MATERIALISTE | | | |
| STATENS VEGVESEN | | | | |
| Standard for Jernbros 7 x 18 | | | | |
| MÅTT | | | | |
| mm | | | | |
| Ersættning for: | | | | |
| OVERSIKT | | | | |
| Vegvesenets broføring, Oslo-Mer-10 | | | | |
| HT.Øder-ud | | | | |
| DKleppes | | | | |
| Varigh. St. nr. | | | | |
| 92 5 018 | | | | |

| POS. | ANT. | BEGYNNELSE | DIMENSJONER | NET Vekt i kg | STÅLKVALITET | | | | |
|------|------|------------|-------------|---------------|--------------------------|-----|-----|---------|-------------|
| 1 | 2 | HE 800A | 172x45 | 385,3 | 7720 S1 52-3N (Fe 510D1) | | | | |
| 2 | 2 | HE 800A | 172x45 | 385,3 | 7720 S1 52-3N (Fe 510D1) | | | | |
| 3 | 4 | PLATE | 318 | 368 | 20 | 15 | 60 | RS137-2 | (Fe 300BFN) |
| 5 | 2 | PLATE | 400 | 322 | 20 | 21 | 42 | RS137-2 | (Fe 300BFN) |
| 6 | 2 | PLATE | 400 | 480 | 20 | 51 | 102 | RS137-2 | (Fe 300BFN) |
| 7 | 2 | PLATE | 734 | 252 | 20 | 36 | 60 | RS137-2 | (Fe 300BFN) |
| 8 | 2 | PLATE | 158 | 128 | 20 | 3 | 24 | RS137-2 | (Fe 300BFN) |
| 9 | 2 | PLATE | 638 | 252 | 20 | 26 | 52 | RS137-2 | (Fe 300BFN) |
| 10 | 2 | PLATE | 640 | 358 | 25 | 59 | 238 | RS137-2 | (Fe 300BFN) |
| 11 | 4 | PLATE | 65 | 208 | 25 | 3 | 12 | RS137-2 | (Fe 300BFN) |
| 12 | 2 | PLATE | 328 | 65 | 15 | 2 | 4 | RS137-2 | (Fe 300BFN) |
| 13 | 2 | PLATE | 80 | 40 | 15 | 1 | 1 | RS137-2 | (Fe 300BFN) |
| 14 | 2 | PLATE | 328 | 105 | 15 | 4 | 8 | RS137-2 | (Fe 300BFN) |
| 15 | 2 | PLATE | 798 | 758 | 45 | 213 | 426 | RS137-2 | (Fe 300BFN) |
| 17 | 4 | PLATE | 840 | 350 | 25 | 50 | 236 | RS137-2 | (Fe 300BFN) |
| 18 | 2 | PLATE | 228 | 228 | 25 | 18 | 36 | RS137-2 | (Fe 300BFN) |
| 19 | 2 | PLATE | 328 | 285 | 15 | 9 | 18 | RS137-2 | (Fe 300BFN) |
| 20 | 2 | PLATE | 328 | 285 | 15 | 8 | 16 | RS137-2 | (Fe 300BFN) |
| 21 | 4 | PLATE | 288 | 142 | 15 | 5 | 20 | RS137-2 | (Fe 300BFN) |
| 22 | 2 | PLATE | 758 | 708 | 45 | 213 | 426 | RS137-2 | (Fe 300BFN) |
| 23 | 2 | PLATE | 322 | 272 | 28 | 14 | 28 | RS137-2 | (Fe 300BFN) |
| 24 | 2 | PLATE | 358 | 192 | 28 | 18 | 20 | RS137-2 | (Fe 300BFN) |
| 20 | 20 | PLATE | 282 | 180 | 15 | 3 | 60 | RS137-2 | (Fe 300BFN) |
| 28 | 2 | PLATE | 788 | 300 | 25 | 42 | 84 | RS137-2 | (Fe 300BFN) |
| 29 | 16 | PLATE | 127 | 180 | 16 | 1 | 16 | RS137-2 | (Fe 300BFN) |
| 30 | 2 | PLATE | 784 | 252 | 28 | 32 | 64 | RS137-2 | (Fe 300BFN) |
| 30A | 2 | PLATE | 332 | 252 | 20 | 13 | 26 | RS137-2 | (Fe 300BFN) |
| | | | | SUM | 17695 | | | | |

NEI ALLE DIMENSJONER I TABELL ER TILRORETTEDE MÅL

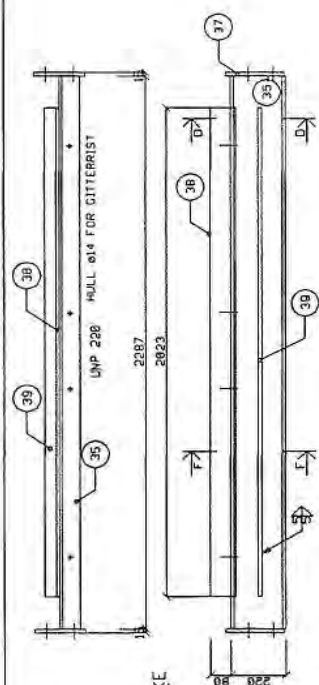


| BRAND | TILRORETTEDE MÅL | NET Vekt | STÅLKVALITET |
|------------------|------------------------------|----------|--------------|
| STATENS VEGVESEN | Standard for Jernbuss 7 x 18 | 17695 | |
| HØVEDLELKER | PLATER OG MATERIALLISTE | | |
| H17 Øderud | ØKjedde | 92 | 5 |
| H17 Øderud | ØKjedde | | |

| POS | ANT | BEHVELSELSE | DIMENSJONER mm | | VERT I kg | STÅLKVALITET | | | |
|-----|-----|-------------|----------------|-------|-----------|------------------------|---------|------------------------|------------------------|
| | | | LENGDE | TYKK. | | | PLASTIK | TOTAL | |
| 31 | 45 | IPC 240 | 2287 | 70 | 3150 | S152-3M (F e5) (C03) | | | |
| 32 | 6 | HE 240A | 2287 | 139 | 828 | RS137-2 (F e3) (B08FN) | | | |
| 33 | 90 | PLATE | 240 | 200 | 15 | 6 | 510 | RS137-2 (F e3) (B08FN) | |
| 34 | 12 | PLATE | 240 | 250 | 15 | 7 | 80 | RS137-2 (F e3) (B08FN) | |
| 35 | 1 | UMP220 | 2287 | - | - | 07 | 07 | RS137-2 (F e3) (B08FN) | |
| 36 | 2 | UMP220 | 2287 | - | - | 134 | 134 | RS137-2 (F e3) (B08FN) | |
| 37 | 6 | PLATE | 235 | 200 | 15 | 8 | 34 | RS137-2 (F e3) (B08FN) | |
| 38 | 1 | PLATE | 2023 | 103 | 15 | 24 | 24 | RS137-2 (F e3) (B08FN) | |
| 39 | 1 | PLATE | 2023 | 60 | 15 | 15 | 15 | RS137-2 (F e3) (B08FN) | |
| 40 | 4 | PLATE | 50 | 26 | 20 | - | - | 1 | RS137-2 (F e3) (B08FN) |
| SUM | | | | | | 4857 | | | |

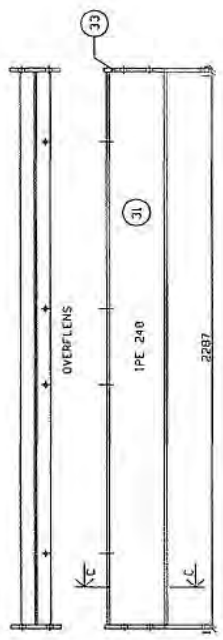
MIDTRE PANELBJELKE

1 STK.



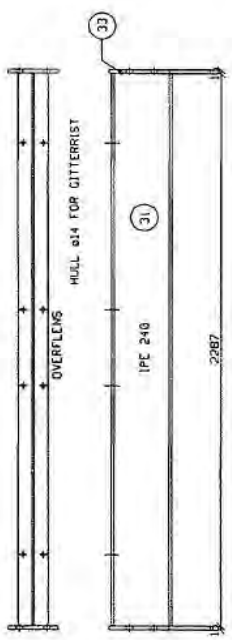
TVERRBJELKE TYPE 1

30 STK



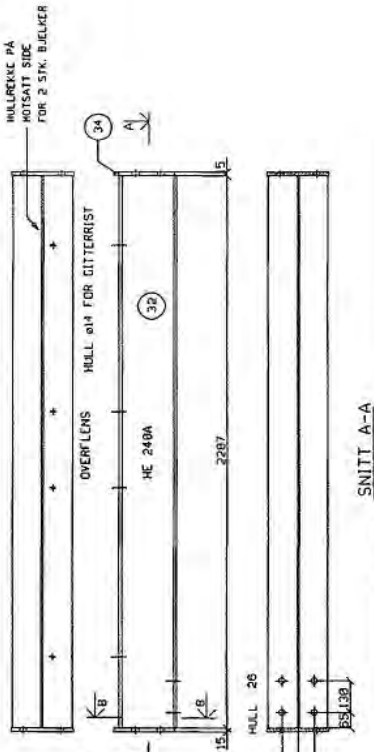
TVERRBJELKE TYPE 2

15 STK



TVERRBJELKE TYPE 3

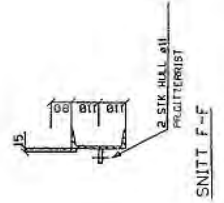
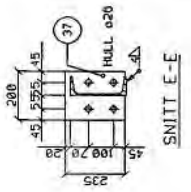
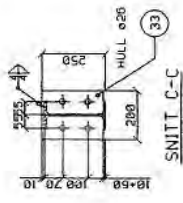
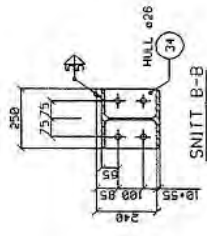
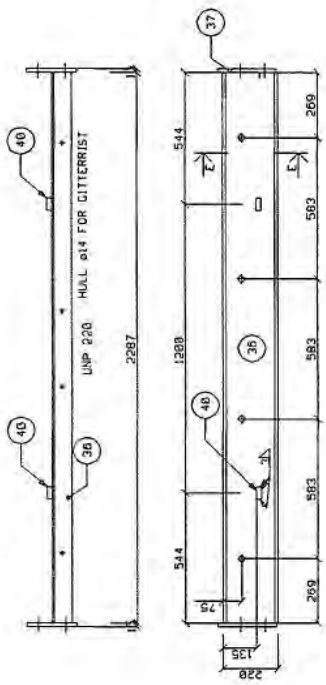
6 STK



SNITT A-A

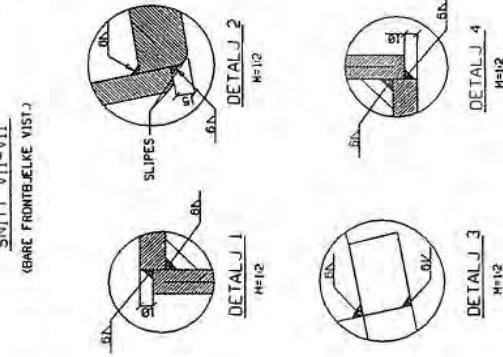
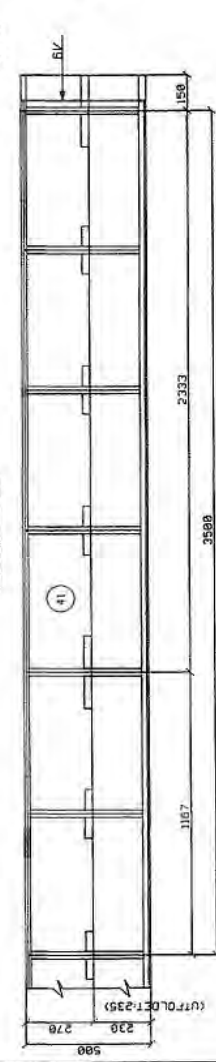
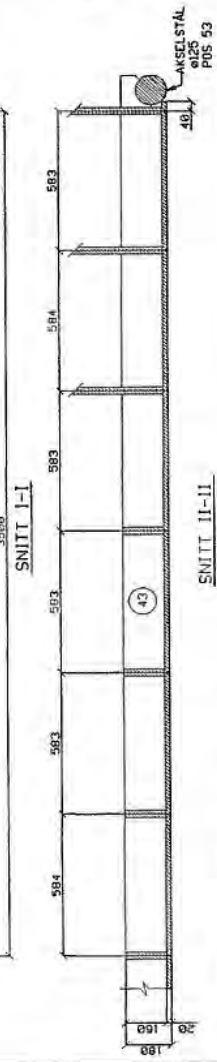
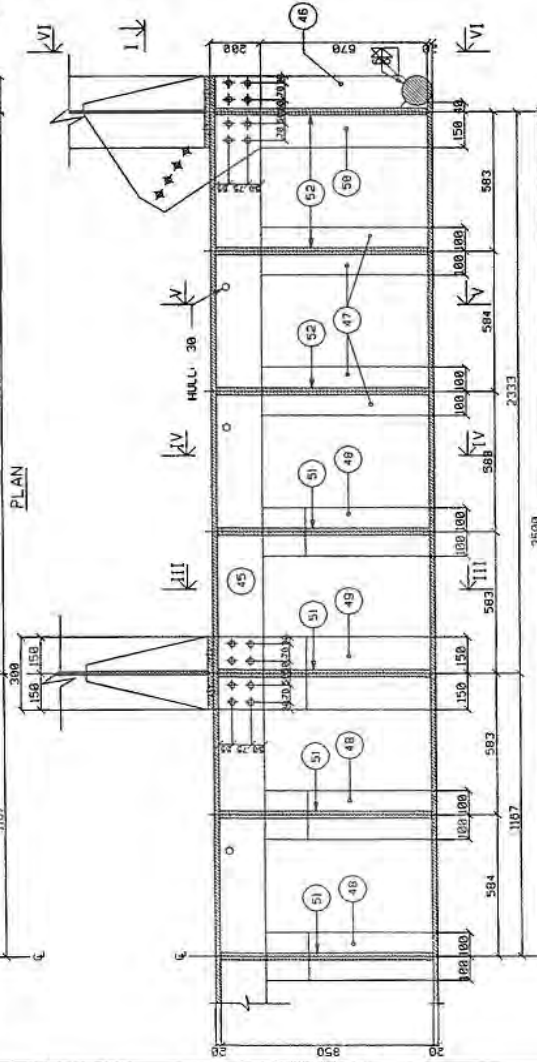
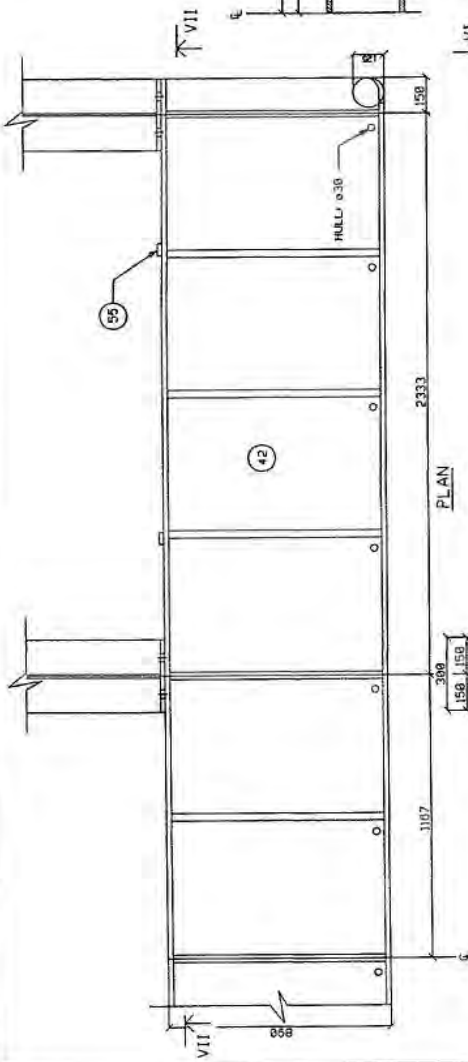
YTRE PANELBJELKE

2 STK.



BORING I OVERLENSER
UTT RES I SØSNØR MID
GITTERRISTENES VIRKELIGE
A L

| DATA | RELEVANTE | b | d | Normal
HVAERDIGH. | RETTET
STC. |
|-------------------------------------------|-----------|-----|-----|----------------------|----------------|
| STATENS VECVESEN | 110 | 110 | 110 | 110 | 110 |
| Standard for jernbetong 7 x 18 | 110 | 110 | 110 | 110 | 110 |
| TVERRBJELKER | 110 | 110 | 110 | 110 | 110 |
| Vegdirektoratets brobygning, Østlandet-06 | 110 | 110 | 110 | 110 | 110 |
| H.T. Øderud | 110 | 110 | 110 | 110 | 110 |
| D.Klepper | 110 | 110 | 110 | 110 | 110 |
| regno | 110 | 110 | 110 | 110 | 110 |
| Vareighet | 92 | 92 | 92 | 92 | 92 |
| Bl. nr. | 03 | 03 | 03 | 03 | 03 |

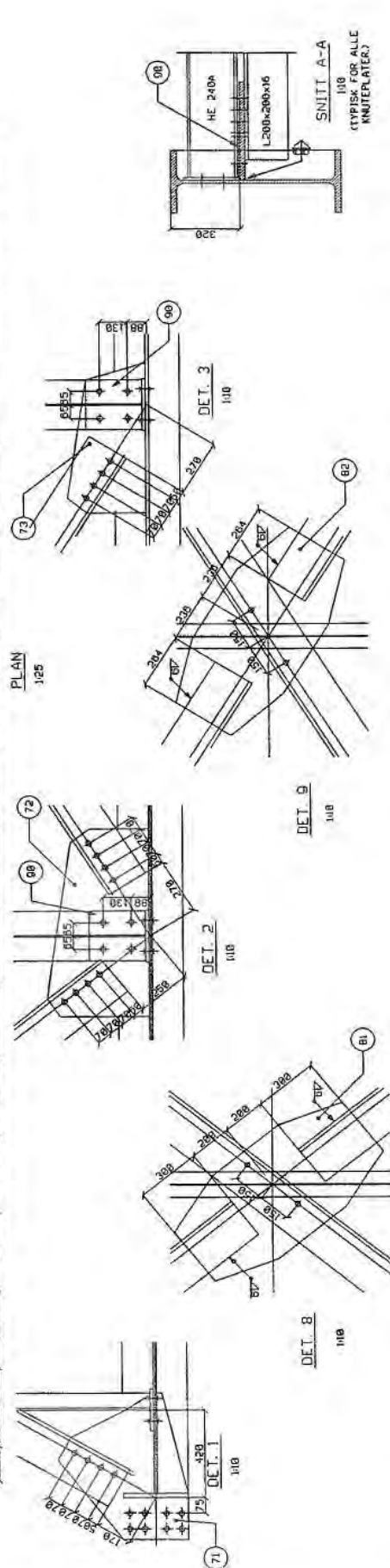
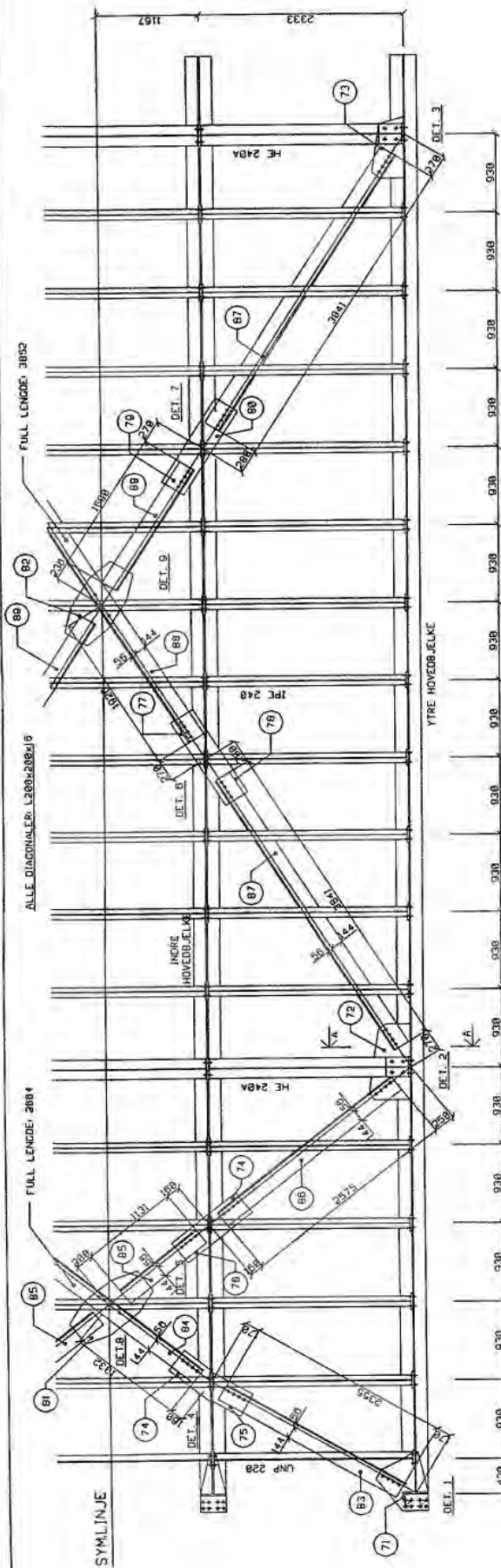


| DR. NO. | DR. NO. | REVISJON | NO. I | NO. II | NO. III | NO. IV |
|---------|---------|----------|-------|--------|---------|--------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

3588

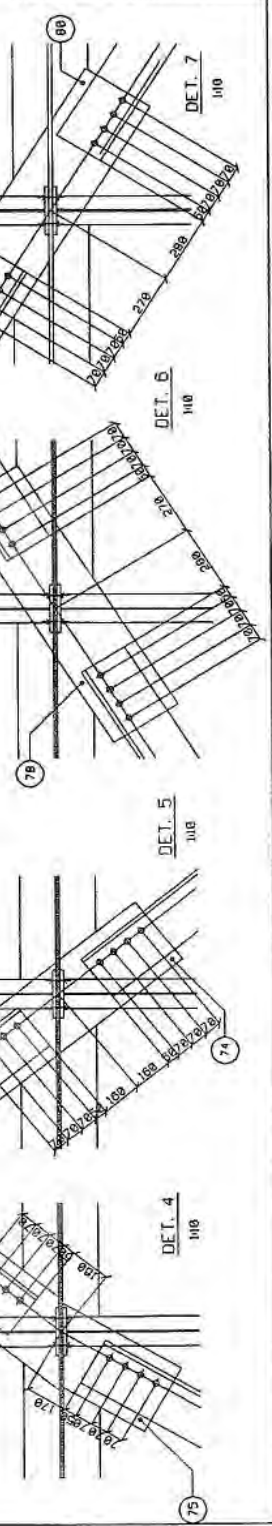
DPRISS

92 5 04-1A



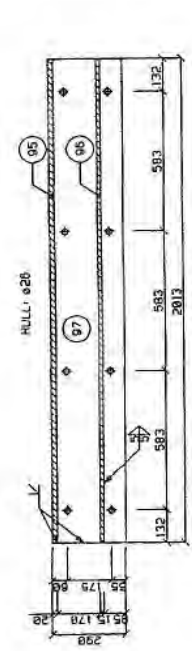
SENEBELT FOR ALLE PLATER
 T=25 (BUT POS 90° T=10)
 HULL: 20
 SVETSER TIL HOVEDBELEGG 6 &
 PLATER OG MATERIALISTER ER VIST P. TEKN. NR. 059

| Del. | Beholder | Utskrift | Bl. nr. |
|------|----------|----------|---------|
| 1 | 1-25 | 200000 | 92 |
| 2 | 1-10 | 200000 | 5 |
| 3 | 1-10 | 200000 | 5 |
| 4 | 1-10 | 200000 | 5 |
| 5 | 1-10 | 200000 | 5 |
| 6 | 1-10 | 200000 | 5 |
| 7 | 1-10 | 200000 | 5 |
| 8 | 1-10 | 200000 | 5 |
| 9 | 1-10 | 200000 | 5 |

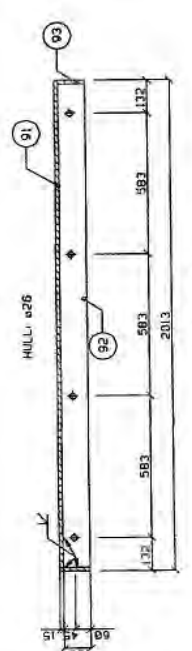


| POS. ANT. | BETEGNELSE | DIMENSJONER mm | | | STÅLKVALITET | | |
|-----------|------------|----------------|-------|------|--------------|---------|-------------|
| | | LVØKKE | BRODD | THK. | | FINSTE | TOTALT |
| 91 | 2 PLATE | 2013 | 400 | 15 | 204 | RS137-2 | Fr e308BF N |
| 92 | 2 PLATE | 2013 | 100 | 15 | 25 | RS137-2 | Fr e308BF N |
| 93 | 4 PLATE | 308 | 105 | 15 | 5 | RS137-2 | Fr e308BF N |
| 94 | 2 PLATE | 2023 | 260 | 15 | 40 | RS137-2 | Fr e308BF N |
| 95 | 1 PLATE | 2023 | 78 | 20 | 23 | RS137-2 | Fr e308BF N |
| 96 | 1 PLATE | 2023 | 120 | 15 | 29 | RS137-2 | Fr e308BF N |
| 97 | 1 PLATE | 2023 | 200 | 15 | 78 | RS137-2 | Fr e308BF N |
| 98 | 1 PLATE | 2023 | 198 | 20 | 61 | RS137-2 | Fr e308BF N |
| | | | | SUM | 555 | | |

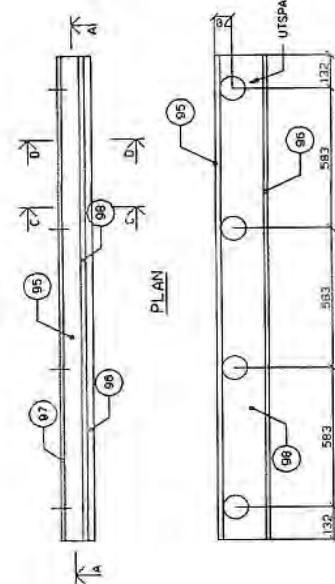
| POS. ANT. | BETEGNELSE | LVØKKE | BRODD | THK. | FINSTE | TOTALT | STÅLKVALITET | |
|-----------|------------|--------|-------|------|--------|--------|--------------|-------------|
| 99 | 1 PLATE | 2023 | 300 | 15 | 73 | 73 | RS137-2 | Fr e308BF N |



SNITT C-C

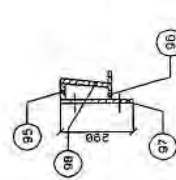


SNITT A-A

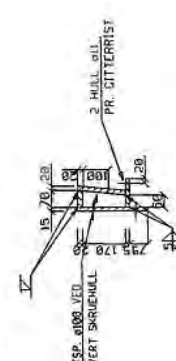


PLAN

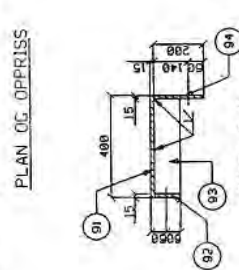
OPPRISS



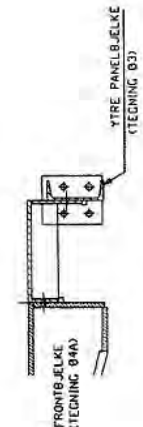
SNITT C-C



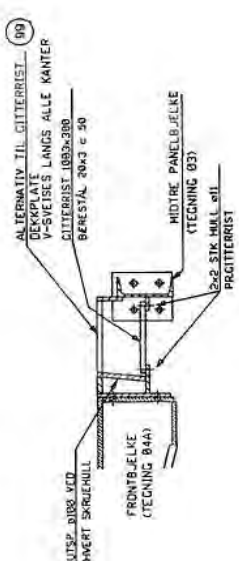
SNITT D-D



SNITT B-B



TYPISK SNITT



TYPISK SNITT

SIDEPANEL
2 STK.

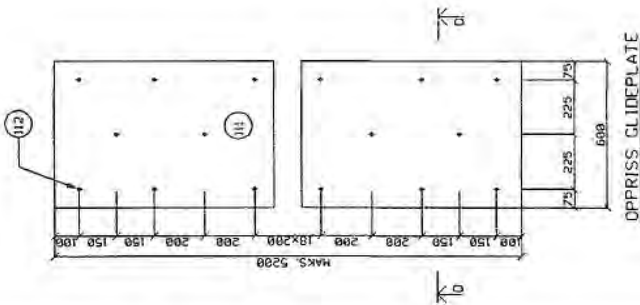
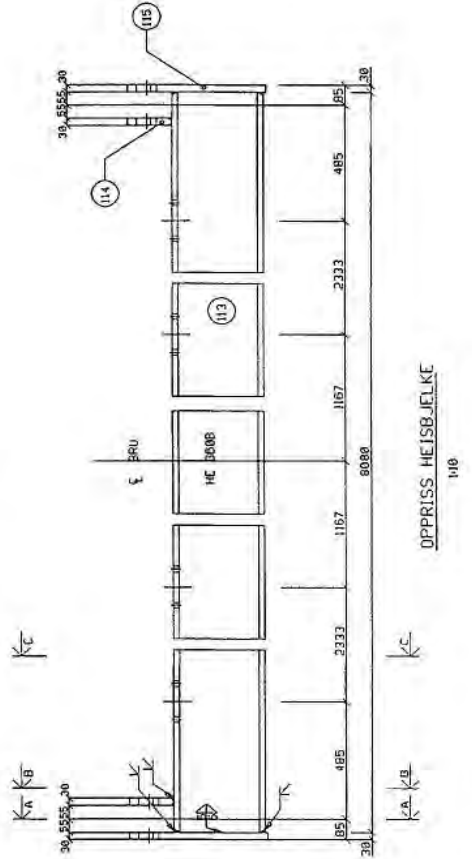
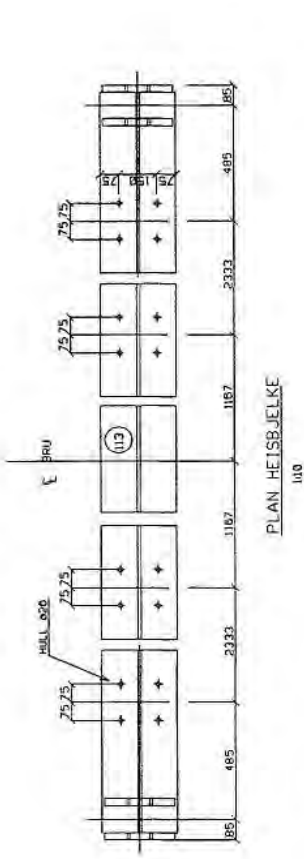
MIDTPANEL
1 STK.

POS 91 OG 92 KAN ERSTATTES MED 5 MM PLATER HVIS FØRSELLET BASE SKAL ANSLØPES AV FERIER MED FALLPØRT.

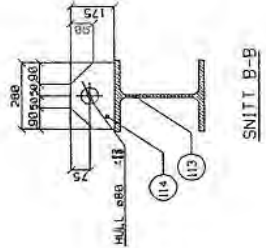
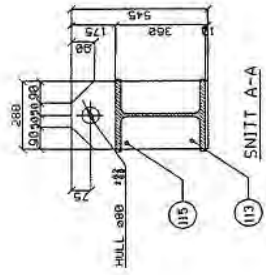
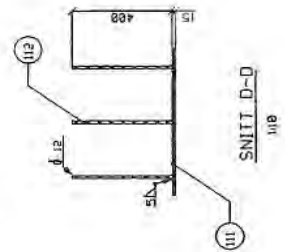
| KILDE | DR. SIKRINGS | AV | OS | DI | DE | DR | REVISJON | AV | DA | RETTET | AV |
|------------------|------------------------------|-----|-----|-----|-----|-----|----------|-----|-----|--------|-----|
| STATENS VEGVESEN | Standard for Jernkølv 7 x 18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| REVISJON | Standard for Jernkølv 7 x 18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| REVISJON | Standard for Jernkølv 7 x 18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| REVISJON | Standard for Jernkølv 7 x 18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| REVISJON | Standard for Jernkølv 7 x 18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |

| Verstet | St. nr. | B. nr. |
|---------|---------|--------|
| 92 | 5 | 06A |

| POS. | ANT. | BEMERKNING | DIMENSJONER med VEKT I kg | | | STÅLKVALITET | | | |
|------|------|-------------|---------------------------|-------|-------|--------------|-------|---------|-------------------|
| | | | Lengde | Bredd | Tykk. | | MSTK. | TOTAL | |
| 111 | 2 | PLATE | 5200 | 600 | 15 | 374 | 748 | RSL37-2 | (F#3008F1) |
| 112 | 82 | KANSTÅL ø12 | 409 | - | - | - | 29 | K5008 | |
| 113 | 1 | HE 3008 | 8088 | - | - | - | 1148 | 1148 | S152-3N (F#51001) |
| 114 | 2 | PLATE | 175 | 280 | 30 | 12 | 24 | RSL37-2 | (F#3008F1) |
| 115 | 2 | PLATE | 545 | 280 | 30 | 37 | 73 | RSL37-2 | (F#3008F1) |
| | | | | | | SUM | 2022 | | |



ANTALL POS. 112 HA
LIGNESIDE I INSTRUKSJONEN.
LIGNESIDE I POS. 112
TILPASSES VALGTE NIVÅER
FOR KAI OG STOPPELJELKE.
SE TEGNING 15.

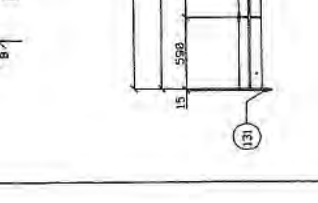
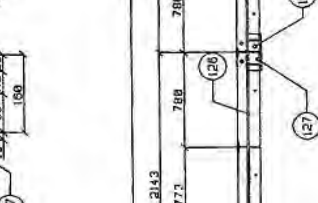
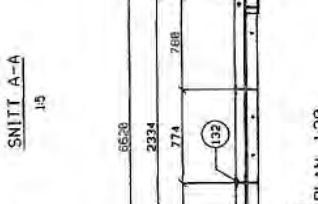
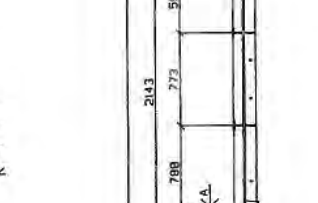
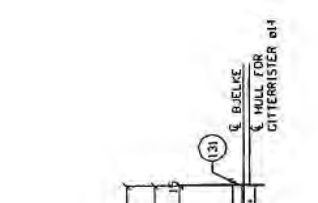
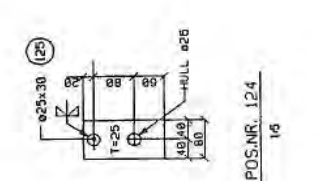
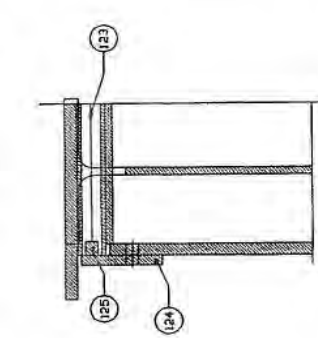
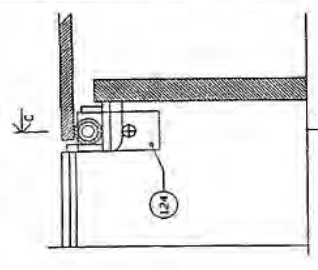


BEMERKNINGER

FOR FESTE FOR HYDRAULIKSYLINDER LAGES, SKAL
STÅLVERKSTED TA KONTAKT MED VEDTONTOR/
HYDRAULIKLEVERANDØR FOR Å KONTROLLERE AT
FESTET PASSER TIL DEN SYLINDEREN SOM SKAL BRUKES.

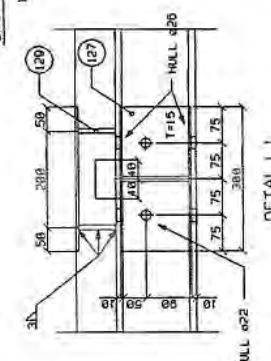
| REVISJON | AVT. FØR | REVISJON | D | M | M |
|----------|----------|-------------------------------------|----------|----------|----------|
| Dato | Byggh | Revisjon | Revisjon | Revisjon | Revisjon |
| | | STATENS VEGVESEN | 110 | 110 | 202202 |
| | | Standard for Jøkelbru 7 x 18 | 110 | 110 | 202202 |
| | | HEISEBjelKE | | | |
| | | JHNSØFT GLIDEPLATE | | | |
| | | Hydrostatisk brukning, ø12, Heis-18 | | | |
| | | H.T. Øderud | | | |
| | | ØKleppe | | | |
| | | (ø12) | | | |
| | | Kurs/Byg. St. No. | 92 | 5 | 07A |
| | | Bl. No. | | | |

| POS. ANV. | BENEVNELSE | DIMENSJONER | | MATERIAL | VEKT I kg | STÅLKVALITET |
|-----------|---------------|-------------|-------|----------|-----------|----------------------|
| | | LØNDE | TVEG. | | | |
| 121 | 1 PLATE | 7530 | 1080 | 25 | 1506 | S152-3N (F e31001) |
| 122 | 1 HE 1080 | 6020 | - | - | 282 | RSt-37-2 (F e3008FN) |
| 123 | 1 RØR ø55x108 | 7550 | - | - | 68 | RSt-37-2 (F e3008FN) |
| 124 | 2 PLATE | 100 | 80 | 25 | 2,5 | S152-3N (F e31001) |
| 125 | 2 ø25 | 30 | - | - | 1 | S152-3N (F e31001) |
| 126 | 1 PLATE | 0020 | 80 | 15 | 0,4 | RSt-37-2 (F e3008FN) |
| 127 | 2 PLATE | 300 | 140 | 15 | 5 | RSt-37-2 (F e3008FN) |
| 128 | 16 PLATE | 134 | 70 | 10 | 0,8 | RSt-37-2 (F e3008FN) |
| 129 | 4 PLATE | 75 | 70 | 10 | 0,4 | RSt-37-2 (F e3008FN) |
| 130 | 2 PLATE | 300 | 85 | 5 | 1 | RSt-37-2 (F e3008FN) |
| 131 | 2 PLATE | 250 | 100 | 15 | 5 | RSt-37-2 (F e3008FN) |
| 132 | 8 PLATE | 80 | 40 | 15 | 0,4 | RSt-37-2 (F e3008FN) |
| SUM | | | | | 1066 | |

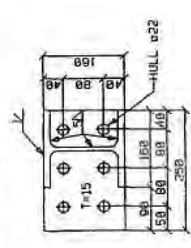


HØYDELÅS FOR OVERGANGSPATE

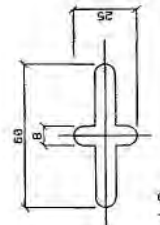
SMITT C-C



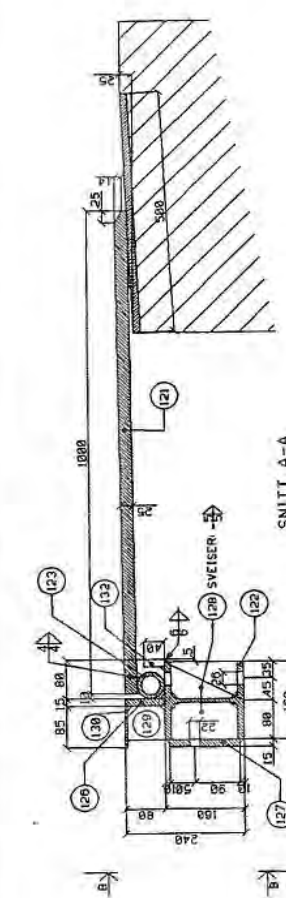
DETALJ I



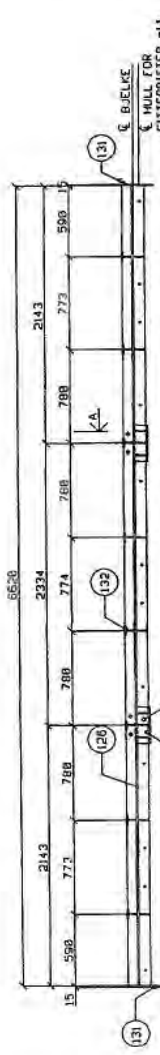
POS.NR. 131



DETALJ 2

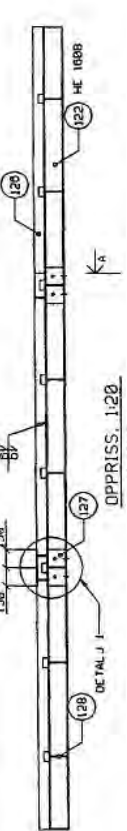


SMITT A-A



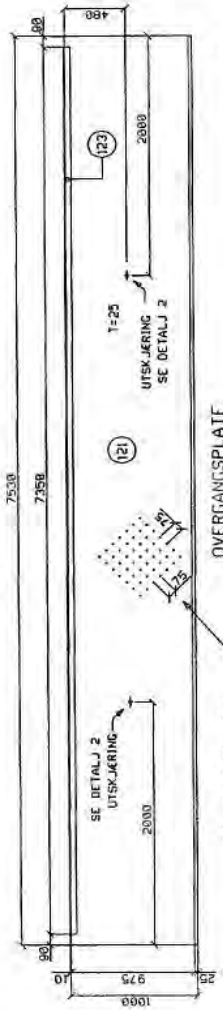
PLAN, 1:20

OVERGANGSPATE IKKE VIST.



OPPRISS, 1:20

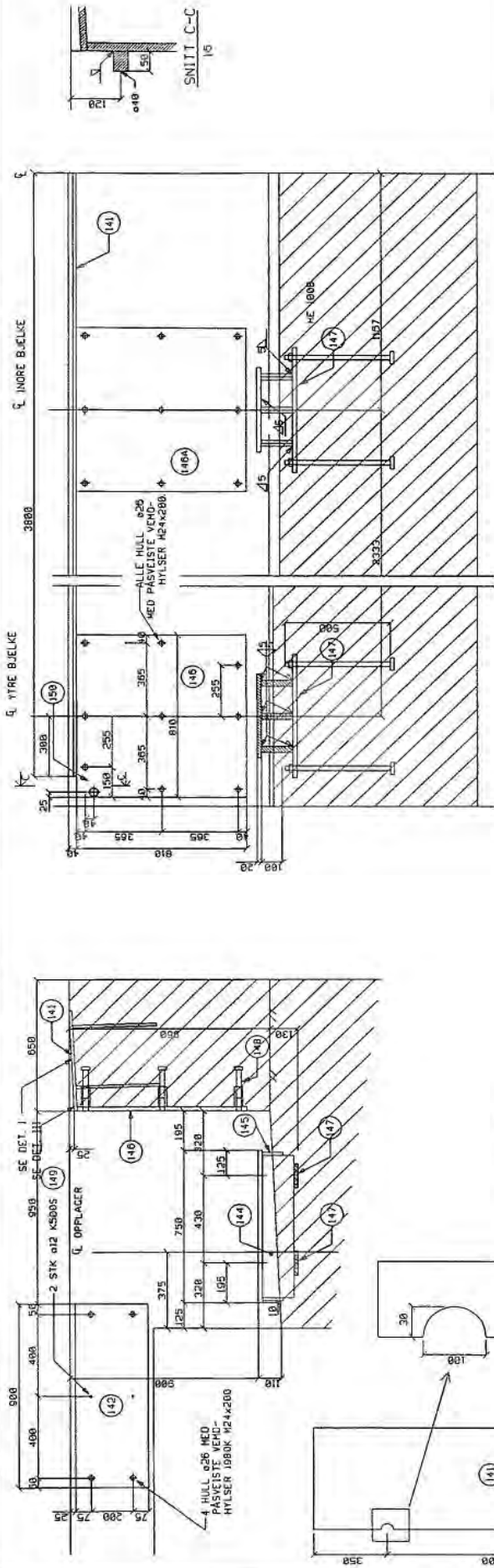
(SMITT B-B)



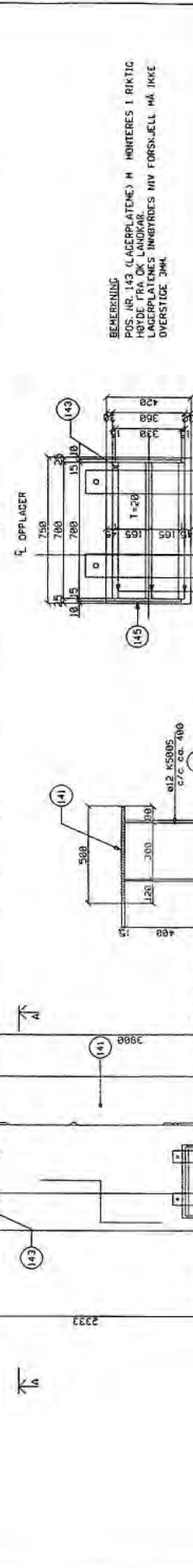
LOKALE SVEISEPUNKTER
(DRAPER) I RUTENETT
Da = 8-10 mm
H = 4-5 mm
OVER HELE PLATEN

BORING I OVERLENS FOR GITTERRISTER
UTFØRES I SAMSVAR MED GITTERRISTENS VIRKELIGE MÅL.

| GRUPP | UTVETL LØSNING | AV | DR | DR | DR | DR |
|-------------------|-----------------------------|-----|-----|-----|-----|-----|
| STATENS VECVESEN | Standard for Jernbru 7 x 18 | 120 | 120 | 120 | 120 | 120 |
| BAKRE TVERRBJELKE | OVERGANGSPATE | 120 | 120 | 120 | 120 | 120 |
| H.T.Øderud | ØKilgjøse | 120 | 120 | 120 | 120 | 120 |
| 92 | 5 | 08A | | | | |

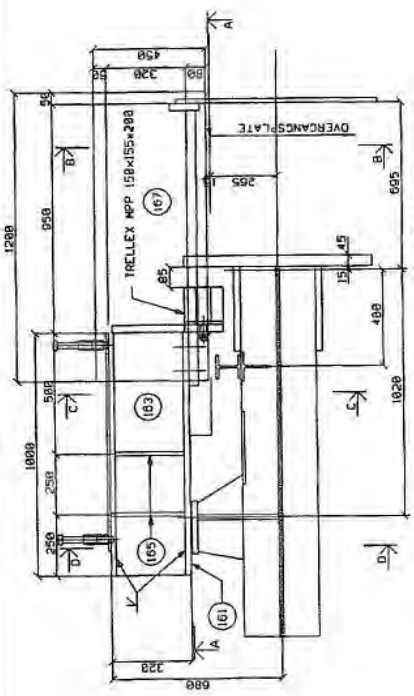


| POS. | ANT. | BETJENNING | DIMENSJONER mm | VEKT i kg | STÅLKVALITET |
|------|------|----------------------------------------|----------------|-----------|------------------------|
| 141 | 1 | PLATE | 7600 500 15 | 456 | 456 RSL37-2 (F03608F1) |
| 142 | 2 | PLATE | 900 350 10 | 25 | 90 RSL37-2 (F03608F1) |
| 143 | 4 | PLATE | 750 420 20 | 50 | 200 HARDOX 400 |
| 144 | 12 | PLATE | 750 150 30 | 20 | 312 RSL37-2 (F03608F1) |
| 145 | 8 | PLATE | 330 180 15 | 4 | 32 RSL37-2 (F03608F1) |
| 146 | 2 | PLATE | 810 810 20 | 105 | 210 RSL37-2 (F03608F1) |
| 146A | 2 | PLATE | 810 810 20 | 105 | 210 RSL37-2 (F03608F1) |
| 147 | 8 | PLATE | 520 120 20 | 12 | 90 RSL37-2 (F03608F1) |
| 148 | 4 | VEMO-HYLSE 1890K H24x200, ELLER TILSV. | | | |
| 149 | 4 | KAMSTÅL Ø12 | 400 | 0,35 | 16 K5005 |
| 150 | 2 | RUNDST. Ø48 | 50 | 0,50 | 2 RSL37-2 (F03608F1) |
| | | | | SUM | 1584 |

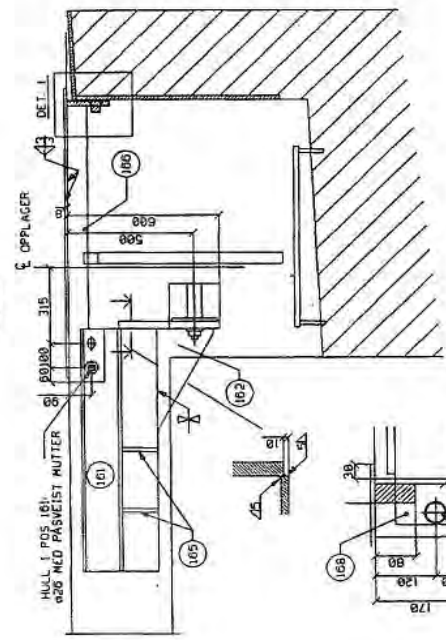


BELEGG RETTET PÅ SIN TILDELTE LUK I Ø 37 mm

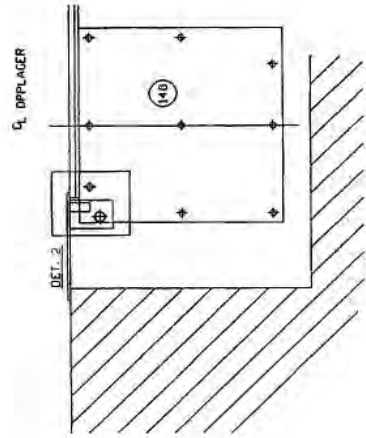
| POS. | ANT. | STYKKE | PRIS | BELEGG | Ø | HT. | ST. nr. | ST. nr. |
|------|------|------------------------------------------|------|--------|---|-----|---------|---------|
| | | | | | | | | |
| | | STATENS VEDVESEN | | | | | | |
| | | Standard for Julekiosk 7 x 18 | | | | | | |
| | | INNSTØPNINGSODS VED LANOKAR. | | | | | | |
| | | BRILLACRE | | | | | | |
| | | Vegvektorstatens forordning, Ods, Nr. 98 | | | | | | |
| | | H.T.Øderud | | | | | | |
| | | Økleppe | | | | | | |
| | | | | | | | 92 | 09-18 |



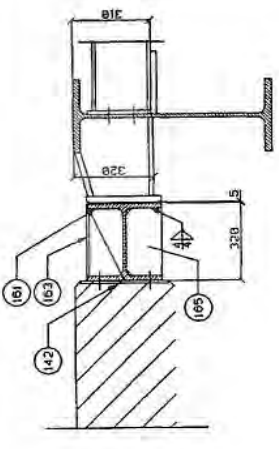
PLAN



SMITT A-A



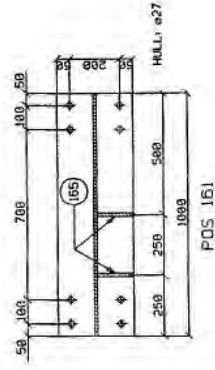
SMITT B-B



SMITT D-D

| POS. ANT. | BETEGNELSE | DIMENSJONER | | MATERIAL | VEKT I KG | STÅLKVALITET | | |
|-----------|-------------|-------------|------|----------|-----------|--------------|-------------|-------------|
| | | LØSSE | TYS. | | | | | |
| 161 | 2 HE3008 | 1000 | 127 | 254 | RS137-2 | (f e3008FN) | | |
| 162 | 4 PLATE | 420 | 15 | 11 | 44 | RS137-2 | (f e3008FN) | |
| 163 | 2 PLATE | 1000 | 270 | 10 | 22 | 44 | RS137-2 | (f e3008FN) |
| 164 | 2 PLATE | 445 | 400 | 30 | 42 | 84 | RS137-2 | (f e3008FN) |
| 165 | 4 PLATE | 270 | 144 | 15 | 5 | 20 | RS137-2 | (f e3008FN) |
| 166 | 2 TÅREPLATE | 1200 | 450 | 8 | 35 | 70 | RS137-2 | (f e3008FN) |
| 167 | 2 PLATE | 170 | 120 | 20 | 3 | 6 | RS137-2 | (f e3008FN) |
| | | | | | SUM | 624 | | |

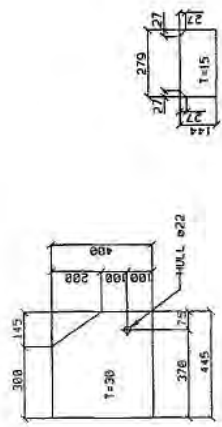
ANTALL GJELDER FOR BEGGE SIDER.



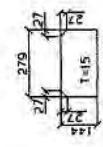
SMITT 161

065: KONSOLLER OG DEKKEPLATER PÅ HVER SIDE ER INNBRETTES SPILVERDIT.

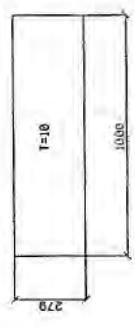
DET TAS HÅ, MELLOM BRUBÅSENS SIDER FOR PRODUKSJON AV KONSOLLER. HVIS TOLERANSENE SOM ANGITT PÅ TEIHING IS IKKE OVERHOLDES, MÅ KONSOLLHÅLENE JUSTERES TILSVARENDE.



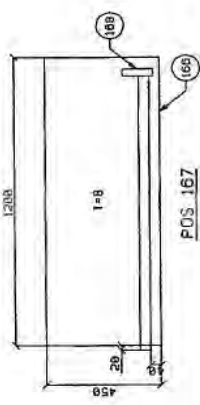
SMITT 164



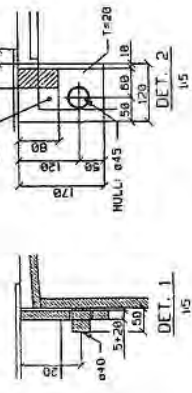
SMITT 165



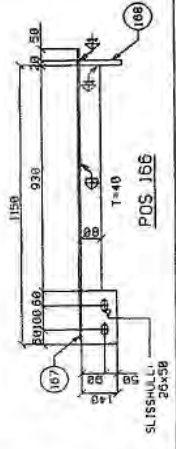
SMITT 163



SMITT 167



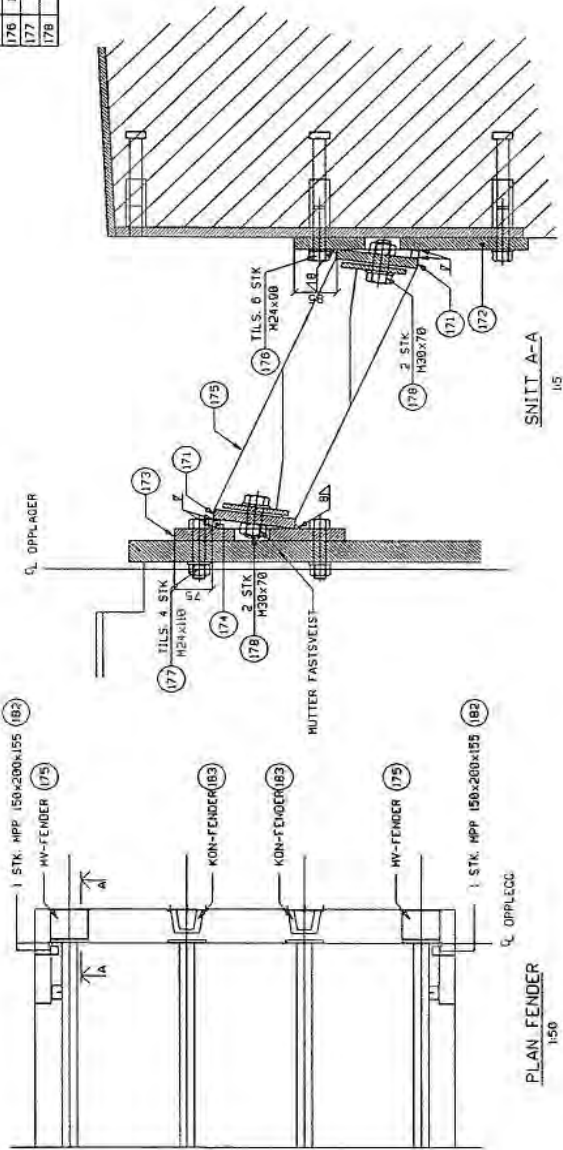
SMITT 162



SMITT 166

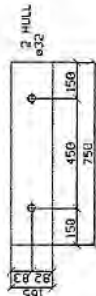
| IBØRRE | DIR. FOR. | RETTIDSE | B | M | REC. |
|----------------------------------|-----------|----------|-------|----|--------|
| 0002 | | | 1118 | 15 | 021022 |
| STATENS VECVESEN | | | 158 T | 15 | 158 T |
| Standard ferjefabrikk 7 x 18 | | | 158 T | 15 | 158 T |
| KONSOLL OG DEKKEPLATE | | | 158 T | 15 | 158 T |
| VED LANDKAR | | | 158 T | 15 | 158 T |
| Vegtekniskets brukning, 08104-16 | | | 158 T | 15 | 158 T |
| H.T.Østlund | | | 158 T | 15 | 158 T |
| O.kleppes | | | 158 T | 15 | 158 T |
| 162 | | | 158 T | 15 | 158 T |
| 5 | | | 158 T | 15 | 158 T |
| 09-11A | | | 158 T | 15 | 158 T |

| POS. ANT. | BENEVNELSE | DIMENSJONER med VEKT i kg | | | STÅLKVALITET |
|-----------|--------------------------|---------------------------|------|-------|-----------------------------|
| | | LØDGE ERETT | TVM. | PÅSTK | |
| 171 | 4 PLATE | 750 | 105 | 20 | 80 RSK37-2 (F e 260BFP) |
| 172 | 2 PLATE | 830 | 465 | 25 | 77 154 RSK37-2 (F e 260BFP) |
| 173 | 2 PLATE | 750 | 340 | 25 | 51 102 RSK37-2 (F e 260BFP) |
| 174 | 4 PLATE | 750 | 20 | 15 | 2 4 RSK37-2 (F e 260BFP) |
| 175 | 12 FENDER HV 150x200x155 | - | - | - | - TRILLEX KVAL. A |
| 176 | 12 SKRUE M2x90 | - | - | - | - |
| 177 | 8 SKRUE M2x110 | - | - | - | - |
| 178 | 8 SKRUE M30x70 | - | - | - | - |
| SUM | | | | 348 | |

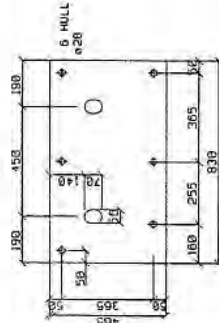


SNITT A-A
1/5

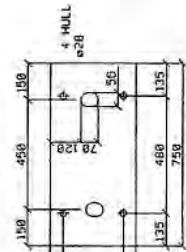
PLAN FENDER
1/50



PDS NR. 171
1/10



PDS NR. 172
1/10



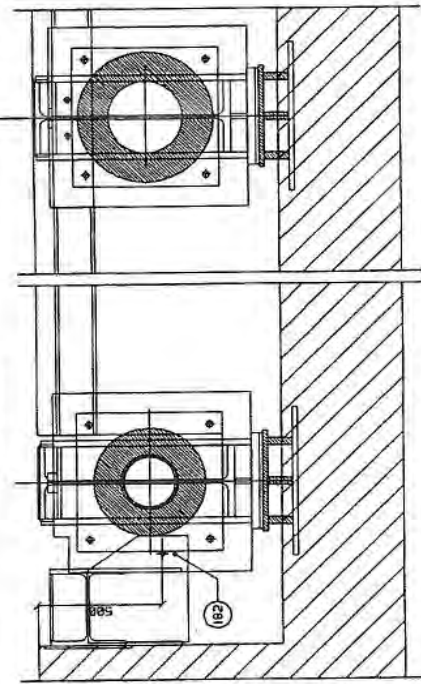
PDS NR. 173
1/10

FOR PDS NR. 182 OG 183. SE TEIHNING NR. 890.

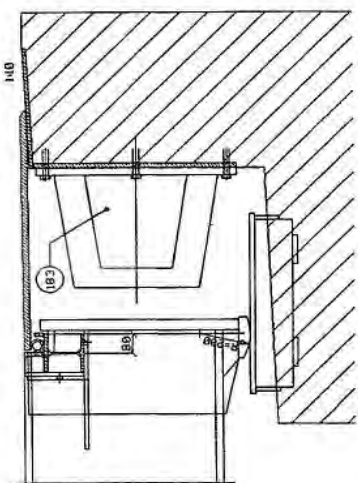
| DATA | BETEGNELSE | VERDI | ENHET | STAV |
|-----------------------------------------------------------|------------|---------|-------|------|
| STATENS VEGVESEN | | | | |
| Standard for Jekkabr-u 7 x 18 | | | | |
| HV-FENDER | | | | |
| Vegvesenstatens Bruksanvisning/Delvis- og H.T.Øderud tegn | | | | |
| Verdi | St. nr. | Bl. nr. | | |
| 92 | 5 | 09-11 | | |

CL YNRE HOVEDBELJKE

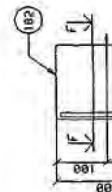
CL YNRE HOVEDBELJKE



SNITT C-C



SNITT B-B
INDRE HOVEDBELJKE



SNITT F-F

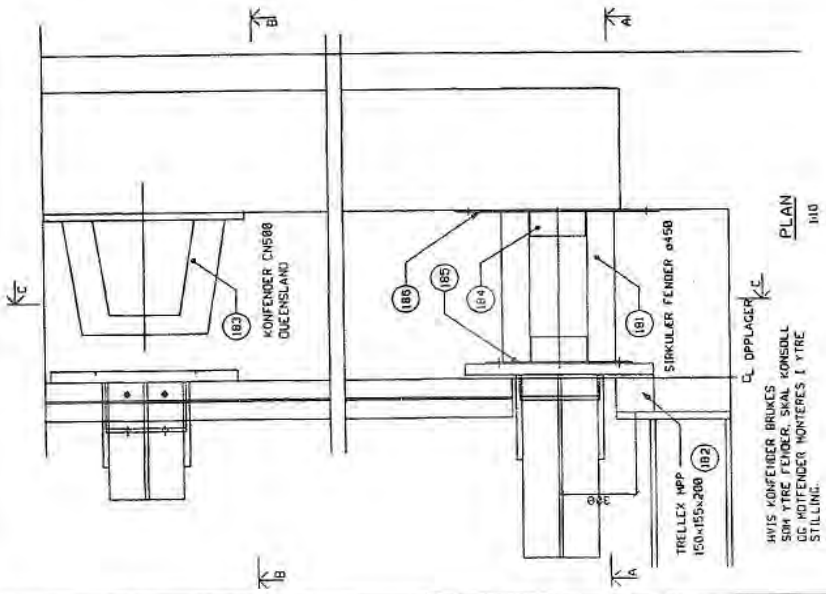
FENDER MPP 150x200x155

ALTERNATIV CUMHIFENDER
CN580, QUEENSLAND

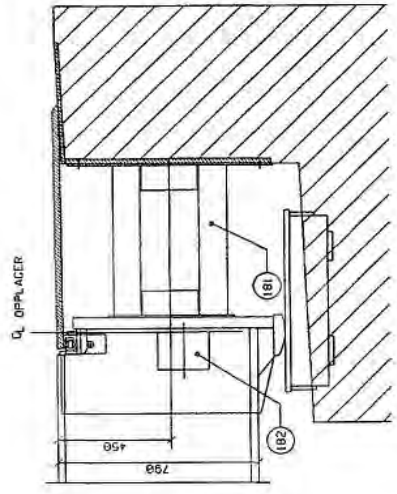
50M ALTERNATIV YNRE FENDER
KAN BRUKES KONFENDER CN580 MID
STREKFORBINDELSE TIL HOVEDBELJKE

SNITT A-A

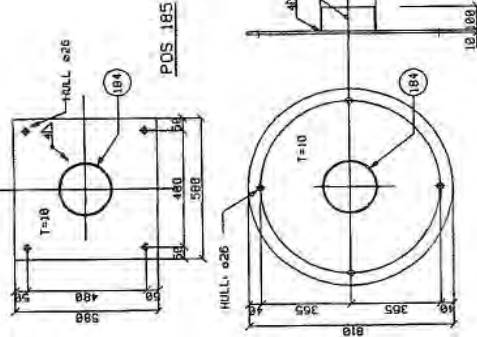
HOVEDBELJKE AV FENDER
(SIØSTYRING IKKE INNEBÆTT)



SNITT D-D

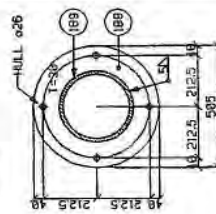
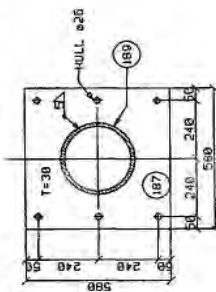


SNITT E-E

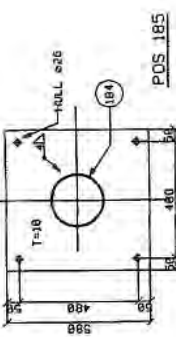


POS 186

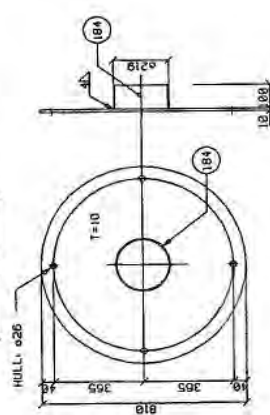
| POS. ANT. | BENEVNELSE | DIMENSJONER med VEKT I kg | | | STÅLKVALITET |
|-------------------------------------------------|---------------------|---------------------------|---------|--------|-----------------------|
| | | LØSSE | INDRETT | TOTALT | |
| 181 | 2 CUMHIFENDER ø450 | 615 | - | - | - |
| 182 | 2 CUMHIFENDER MPP | 155 | 150 | 200 | - |
| 183 | 2 CUMHIFENDER CN580 | - | - | - | - |
| 184 | 4 FOR ø219 | 100 | - | 6 | 12 RSL37-2 (Fe500-B) |
| 185 | 2 PLATE ø500 | 500 | 500 | 10 | 50 RSL37-2 (Fe500-B) |
| 186 | 2 PLATE ø810 | - | - | 52 | 184 RSL37-2 (Fe500-B) |
| SUM, ALTERNATIV SYLINDERFENDER OG KONFENDER 172 | | | | | |



| POS. ANT. | BENEVNELSE | DIMENSJONER med VEKT I kg | | | ST LKVALITET |
|------------------------------------|---------------------|---------------------------|---------|--------|--------------------------|
| | | LØSSE | INDRETT | TOTALT | |
| 182 | 2 CUMHIFENDER MPP | 155 | 150 | 200 | - |
| 183 | 4 CUMHIFENDER CN580 | 500 | 500 | 30 | 81 RSL37-2 (Fe500-B) |
| 188 | 2 PLATE ø505 | - | - | 30 | 01 122 RSL37-2 (Fe500-B) |
| 189 | 2 FOR ø295 | 75 | - | 16 | 16 RSL37-2 (Fe500-B) |
| SUM, ALTERNATIV BØRE KONFENDER 302 | | | | | |

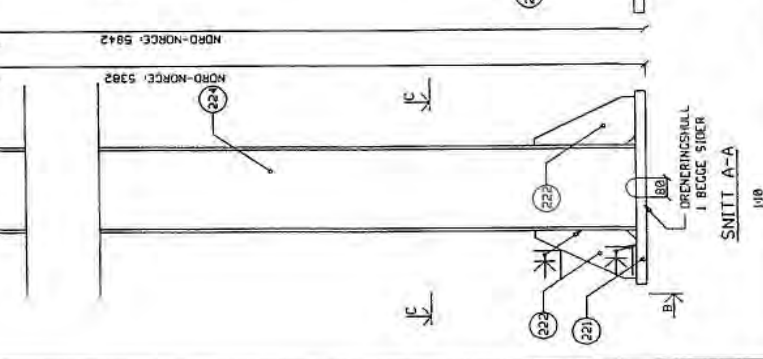
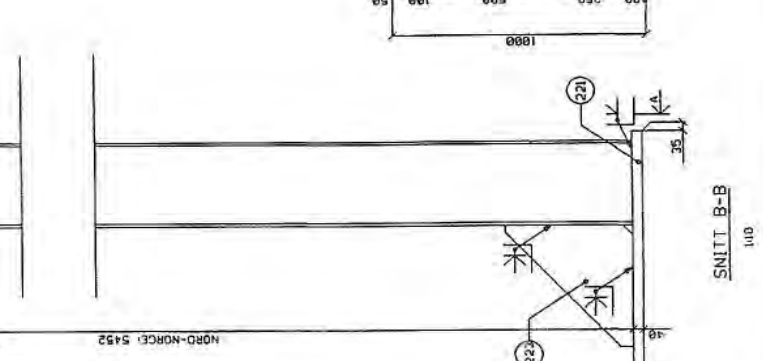
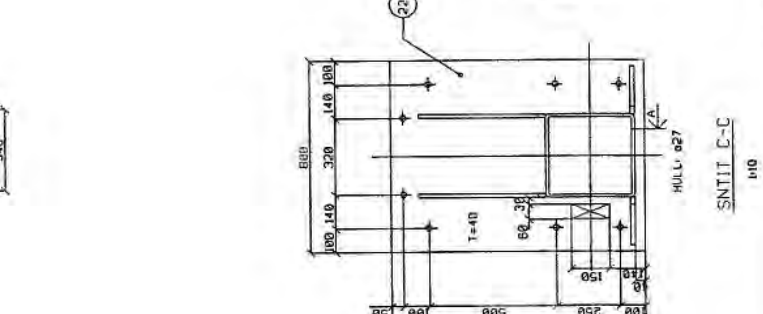
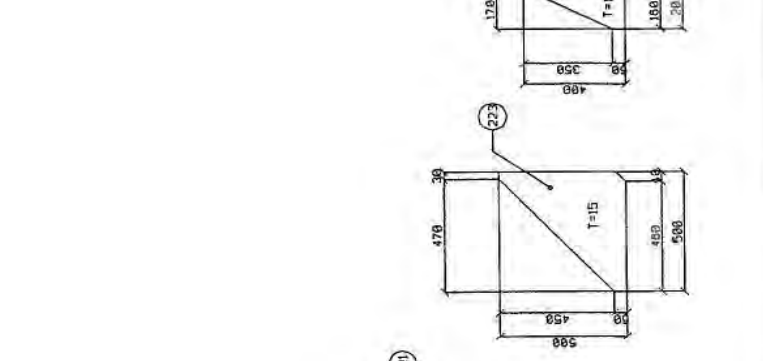
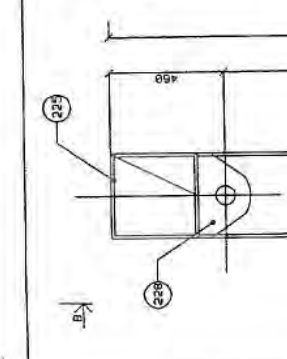
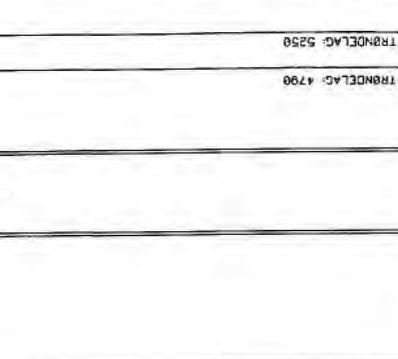
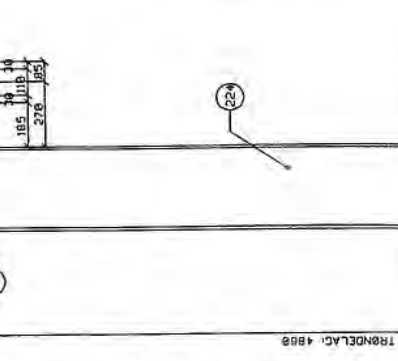
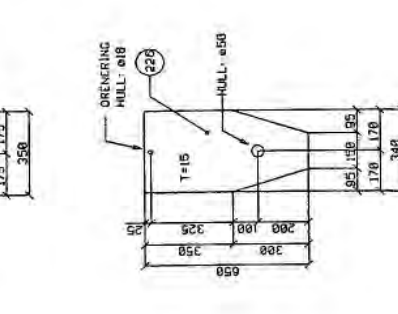
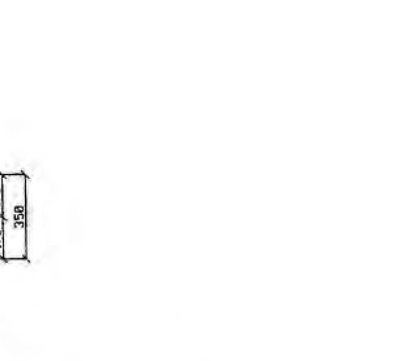
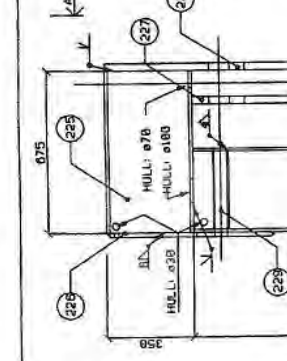
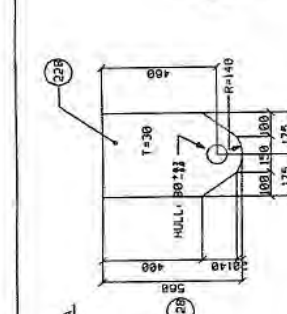
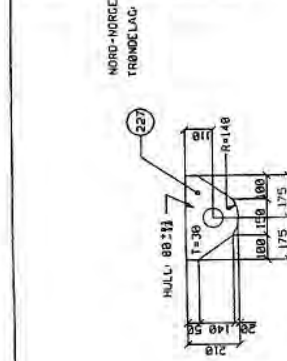


POS 185



| POS. | ANT. | BENEVLSELSE | DIMENSJONER mm | | STÅLKVALITET |
|------|------|-------------|----------------|-------|--------------------------------|
| | | | høkk | tykk. | |
| 221 | 2 | PLATE | 1800 | 889 | 512 S152-3N (F eS160D) |
| 222 | 4 | PLATE | 408 | 288 | 15 10 48 RSL37-2 (F eS160BFN) |
| 223 | 4 | PLATE | 508 | 508 | 15 30 120 RSL37-2 (F eS160BFN) |
| 224 | 2 | HUP | 359x12 | 5452 | 070 1352 S152-3N (F eS160D) |
| 224 | 2 | HUP | 359x12 | 4860 | 083 1300 S152-3N (F eS160D) |
| 225 | 2 | PLATE | 958 | 346 | 15 27 53 RSL37-2 (F eS160BFN) |
| 227 | 2 | PLATE | 358 | 210 | 38 18 36 RSL37-2 (F eS160BFN) |
| 228 | 2 | PLATE | 508 | 358 | 38 47 84 RSL37-2 (F eS160BFN) |
| 229 | 2 | ROR | ø55.1+ø | 325 | 3 6 RSL37-2 (F eS160BFN) |

| NORD-NORCE | SUM |
|------------|------|
| TRØNDELÅG | 2291 |
| TRØNDELÅG | 2235 |



BEMERKNINGER

HEISETARNETS HØYDE ER NORMERT VED ULIKE NIVA PÅ KALT- OG LANDGRANNA HØYDEN TILPASSER. SE TEIENING NR. 15.

FØR FESTE FOR HYDRAULIKSYLINDER LAGES, SKAL STÅLVERKET TIL KONTAKT MED VEDTAKT/ HYDRAULIKLEVERANDØR FOR Å KONTROLLERE AT FESTET PASSER TIL OG SYLINDEREN SOM SKAL BRUKES.

| Dato | Revisjon | Revisjon Nr. | Revisjon | Revisjon |
|------|----------|--------------|----------|----------|
| | 1/30 | 1/30 | 1/30 | 1/30 |
| | 1/30 | 1/30 | 1/30 | 1/30 |

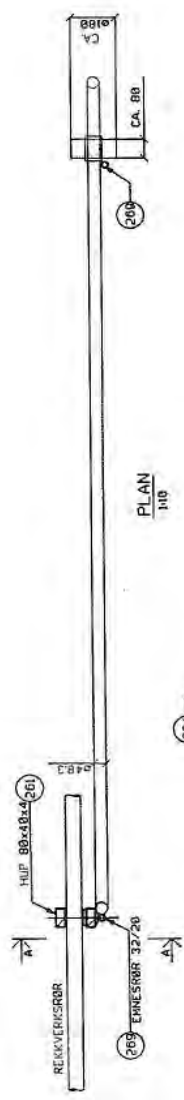
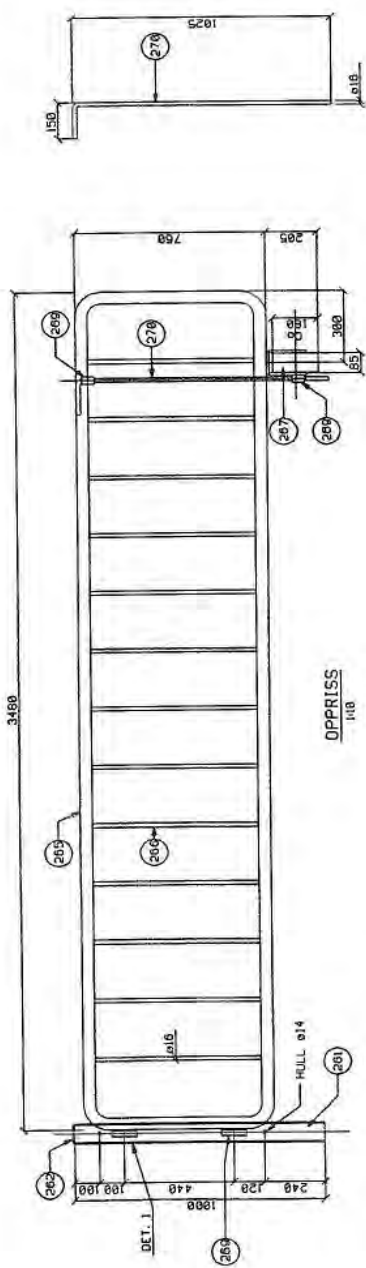
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
|--------|--------|--------|--------|--------|
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |

| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
|--------|--------|--------|--------|--------|
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |

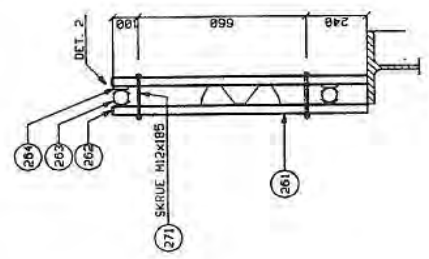
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
|--------|--------|--------|--------|--------|
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |

| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
|--------|--------|--------|--------|--------|
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |
| STAVEN | STAVEN | STAVEN | STAVEN | STAVEN |

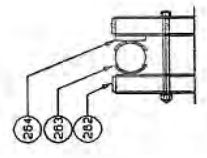
| POS. | ANT. | BENØYELSE | DIMENSJONER med VEKT I kg | | | STÅLKVALITET | | |
|------|------|--------------------|---------------------------|------|-------|--------------|---------|--------------|
| | | | LOESET | TRIK | TOTAL | | | |
| 201 | 2 | HJUP 80x40x4 | 1000 | 7 | 7 | 14 | SL44-3N | (F e4300D) |
| 202 | 2 | PLATE | 76 | 6 | 6 | 1 | RS137-2 | (F e3008F N) |
| 203 | 4 | 1/3 RØR 70,1 x 3,2 | 66 | 6 | 6 | 1 | RS137-2 | (F e3008F N) |
| 204 | 2 | PLATE | 60 | 10 | 10 | 1 | RS137-2 | (F e3008F N) |
| 205 | LH | RØR 46,3 x 3,6 | 8,5 m | - | - | 24 | RS137-2 | (F e3008F N) |
| 206 | 13 | RUNDSTÅL ø18 | 663 | - | - | 13 | RS137-2 | (F e3008F N) |
| 207 | 1 | NYLONHJUL | - | - | - | - | - | - |
| 208 | 2 | RUNDSTÅL ø20 | 110 | - | - | 1 | RS137-2 | (F e3008F N) |
| 209 | 6 | EMNESRØR 32/20 | 50 | - | - | 1 | SL52-3N | (F e5100D) |
| 270 | 1 | RUNDSTÅL ø16 | 1175 | - | - | 2 | RS137-2 | (F e3008F N) |
| 271 | 2 | SKRUE M12x185 | - | - | - | - | - | - |
| SUM | | | | | 07 | + HJUL | | |



PLAN 1/10



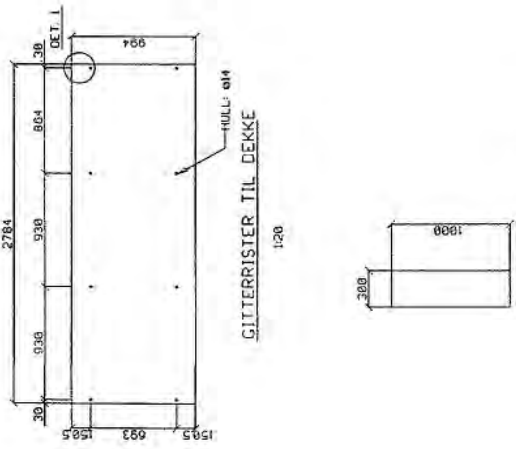
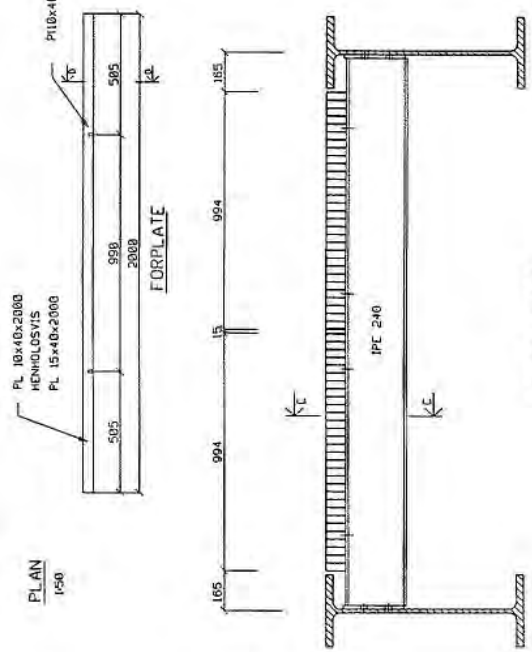
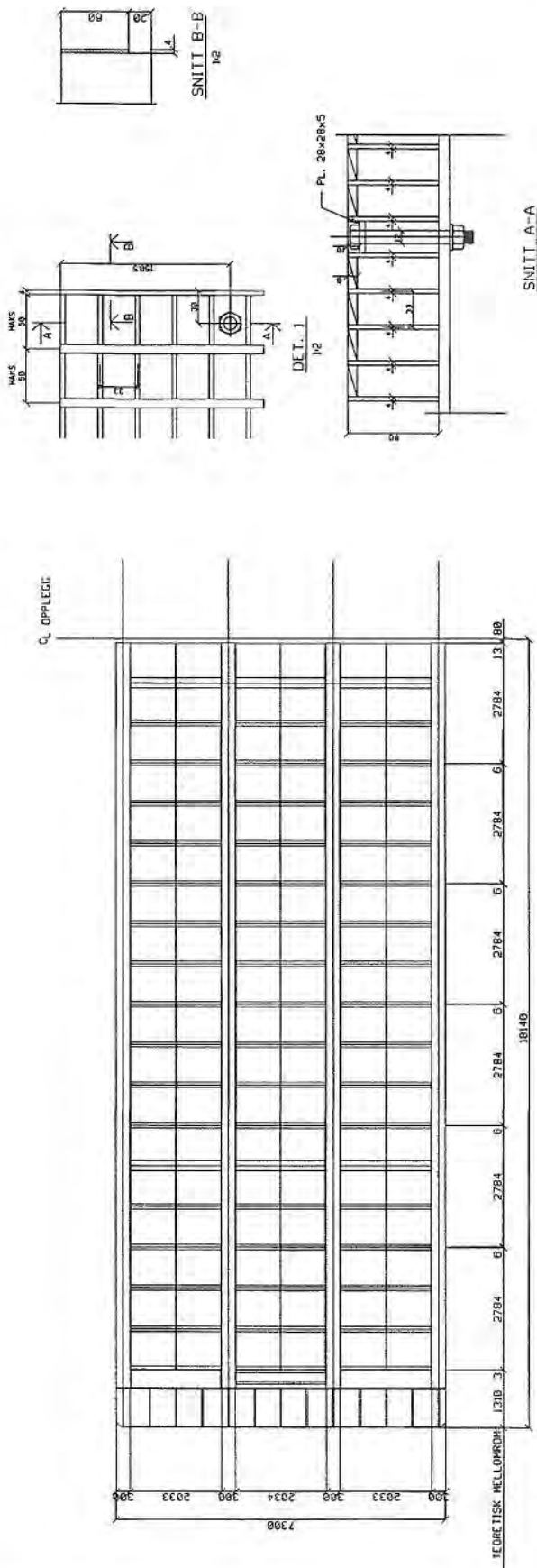
SNITT A-A 1/10



DET. 2 1/5

HVOR IKKE ANNEEN SVEIS ER VIST, BRUKES KILSVEIS 4.

| DATE | REVISJON | RETTET | KTR. | REVISJON | RETTET | KTR. |
|----------------------------------|----------|--------|------|----------|--------|------|
| | | | | | | |
| STATENS VEGVESEN | | | | | | |
| Standard fer-jakobnr 7 x 18 | | | | | | |
| RULLPORT | | | | | | |
| Vagtrekketåle brukning, Bøker-88 | | | | | | |
| H.T.Øderud (sign) | | | | | | |
| Okleppe (sign) | | | | | | |
| Vareforh. St. nr. 92 | | | | | | |
| Bl. opp. 5 | | | | | | |
| 12-11 | | | | | | |



BEMERKNING

1. BÆRESTÅLET SKAL VÆRE SACTAGGET
2. STÅLKVALITET: S152-3N
3. GITTERSTIER SKAL VARMFORSTØRRES V 2n NS 1970 TIL BELEGGTYKKELSE MIN. 115mm
4. ANTALL: DEKKE: 30 STK. PANEL: 2 STK.
5. ANTALL FORPLATER: 10 HH 3 STK. 15 HH 3 STK.

GITTERSTIERE SKYVES SAMMEN I LENDRETNING OG FORPLATER LEGGES MED 1 BEGGE ENDER.

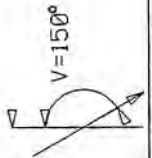
| Rettelegg | | b | a | Rekkel | Kr. |
|---------------------------------------|--|----|---|--------|-----|
| Dato: | | | | | |
| STATENS VECVESEN | | | | | |
| Standard For-Jokobru 7 x 18 | | | | | |
| GITTERSTIER | | | | | |
| Vegghjelpetåle: brukning, Oslo, Nr-20 | | | | | |
| H.T. Øderud | | | | | |
| 1980 | | | | | |
| OKleppa | | | | | |
| lagg | | | | | |
| Vegghjelpetåle: brukning, Oslo, Nr-20 | | 92 | 5 | 13 | |

OVERSIKT OVER SKRUER

| KONSTRUKSJONSDEL | DIMENSJON | FASTHETS-
KLASSE | ANTALL | REF. TEGN. |
|--------------------|-----------|---------------------|--------|------------|
| FRONTBJELKE | M24x80 | 8.8-NS5750 | 32 | 04 |
| FRONTBJELKE | M24x75 | 8.8-NS5750 | 24 | 04 |
| TVERRBJELKER | M24x80 | 8.8-NS5750 | 144 | 03 |
| TVERRBJELKER | M24x65 | 8.8-NS5750 | 144 | 03 |
| FAGVERK | M24x85 | 8.8-NS5750 | 16 | 05 |
| FAGVERK | M24x75 | 8.8-NS5750 | 100 | 05 |
| PANELER | M24x70 | 8.8-NS5750 | 16 | 06 |
| PANELER | M24x60 | 8.8-NS5750 | 8 | 06 |
| HEISEBJELKE | M24x85 | 8.8-NS5750 | 16 | 07 |
| BAKRE TVERRBJ. | M20x75 | 8.8-NS5750 | 12 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| BAKRE TVERRBJ. | M20x65 | 8.8-NS5750 | 4 | 08 |
| OVERGANGSPATE | M24x80 | 8.8-NS5750 | 2 | 08 |
| DEKKPLATE | M24x95 | 8.8-NS5750 | 2 | 09 |
| FREMRE SIDESTYRING | M24x85 | 8.8-NS5750 | 12 | 10 |
| FREMRE SIDESTYRING | M12x30 | 8.8-NS5750 | 4 | 10 |

DIMENSJONER ETTER NS 5720/NS 5721
 OG FASTHETSKLASSE 8.8 IFLG. NS 5750.
 SEKSKANTMUTTERE IFLG. NS 5730
 OG FASTHETSKLASSE 8.8 IFLG. NS 5751.
 UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200.
 SKRUER, MUTTERE OG SKIVER SKAL V RE I VARMFORSINKET UTFØRELSE.
 ALLE SKRUER SKAL HA UNDERLAGSSKIVER UNDER HODE OG MUTTER.

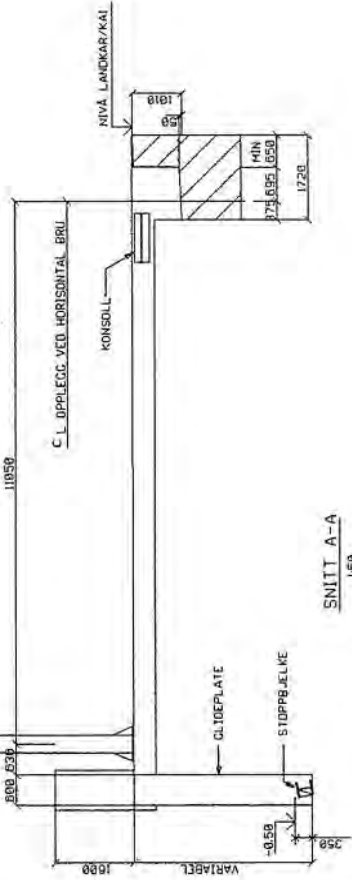
TILSETTING AV SKRUER.
 SKRUENE SETTES FAST TIL FOR HAND MED VANLIG NØKKELE SLIK AT
 TILSTØTENDE FLATER LIGGER TETT SAMMEN. (SNUG-TIGHT)
 PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
 PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
 I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EV. SKRUEN)
 EN VINKEL $V=150^\circ$



I TILLEGG KOMMER SKRUER TIL
 GITTERRISTER, REKKVERK OG FENDERE.

| Rettelse | | b | | |
|--------------------------------------------|-------|-----------------|----------|----------|
| Dato | Merke | d | Rettet | Ktr. |
| STATENS VEGVESEN | | Målestokk | Tegn.MAF | 26.02.92 |
| Standard ferjekajbru: 7 x 18 | | Mål i mm | Ktr. PS | 26.02.92 |
| SKRUER, MUTTERE OG SKIVER. | | Erstotning for. | | |
| Vegdirektoratets bruavdeling, Oslo, Mai-96 | | Versjon. | St. nr. | Bl. nr. |
| H.T.Øderud (sign) | | 92 | 5 | 14 |

SYLINDEROPPHENG
 FORUTSATT SYLINDEROPPHENG Ø=160 mm
 NORD-NORDE
 SLAENDE L_s=3988 mm
 UTTRUKKET LENGDE 2L_s+A=8376 mm
 TRØNDELAC
 SLAENDE L_s=3988 mm
 UTTRUKKET LENGDE 2L_s+A=7776 mm



SNITT A-A
 1:50

C. L. OPPELLEGG VED HORIZONTAL BRU

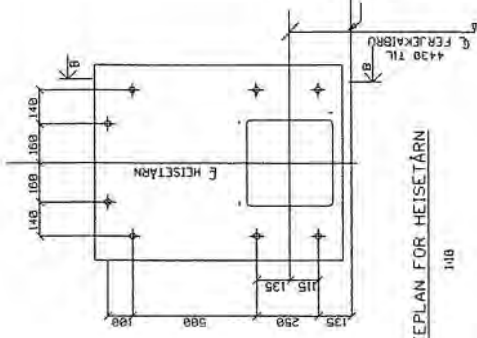
KONSOLL

NIVÅ LANDKARKKALL

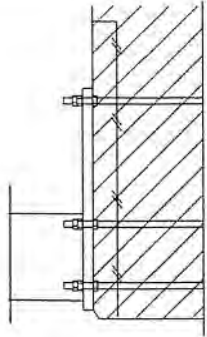
1018

MIN 876,695 8558

1720



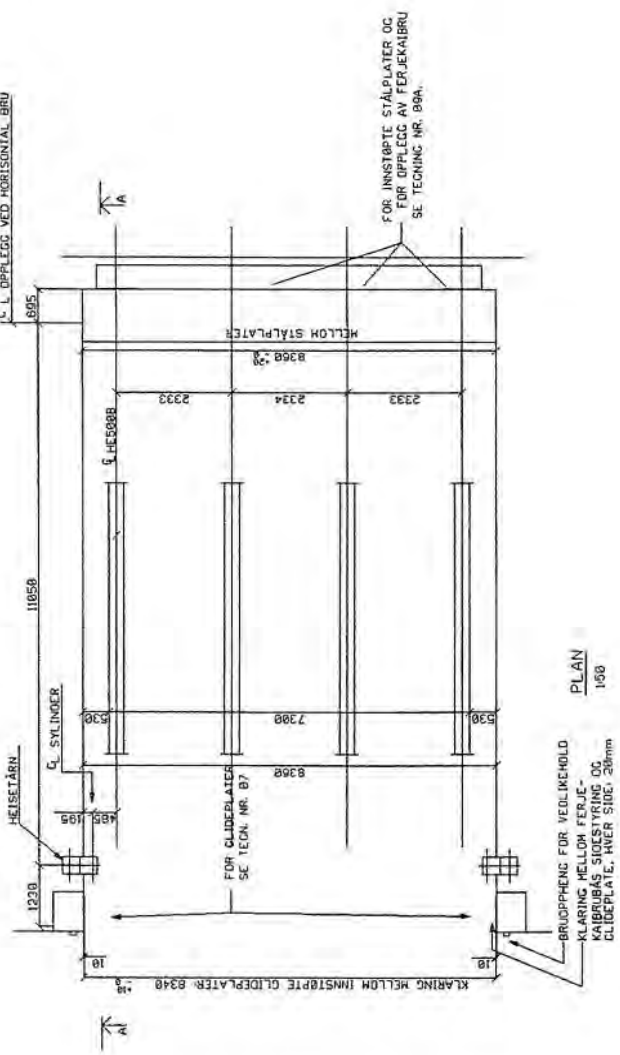
BOLTEPLAN FOR HEISETÅRN
 1:10



B STK. BOLTER Ø25 (H2305). GJENNET H24
 H/3 MUTTERE OG SKRUE PÅ HØRRE
 ERENDET PÅN BRUKES Ø83 (S253-N)
 FORHØRING FOR FULL KAPASITET.

SNITT B-B
 1:10

C. L. OPPELLEGG VED HORIZONTAL BRU



PLAN
 1:10

FORUTSETNING:
 KAINIVÅ = LANDKARNIV

LANEKAR- OG KAINIVÅ KAN SIKKES TIL LAVERE NIVÅ EN ENK NORMALNIVÅ
 FORUTSATT SAMME HEISETÅRN OG SAMME SYLINDERLENGDE,
 OPPNÅS FØLGENDE NIVÅ ER OG MÅSSIALE UTSJAC PÅ
 FERJEKABELBRUAS DEVEIELSE.

| NIVÅ | NIVÅ ØVRE | HØKS. NIVÅ | MIN. NIVÅ | LAVESTE NIVÅ | |
|-------------|----------------|------------|-------------|--------------|------------|
| | | | | DK BRUFRONT | STOPPBELKE |
| LANDKARNIVÅ | +2,68 (NDRMAL) | +5,43 | DK BRUFRONT | -0,91 | -0,90 |
| | +2,70 | +5,33 | DK BRUFRONT | -0,87 | -0,87 |
| | +2,60 | +5,23 | DK BRUFRONT | -0,83 | -0,87 |
| | | | MIN. NIVÅ | | |
| NIVÅ | NIVÅ ØVRE | HØKS. NIVÅ | DK BRUFRONT | LAVESTE NIVÅ | |
| LANDKARNIVÅ | +2,68 (NDRMAL) | +4,97 | DK BRUFRONT | -0,83 | -0,83 |
| | +2,58 | +4,83 | DK BRUFRONT | -0,79 | -0,83 |
| | +2,40 | +4,73 | DK BRUFRONT | -0,74 | -0,73 |

NORD-NORDE

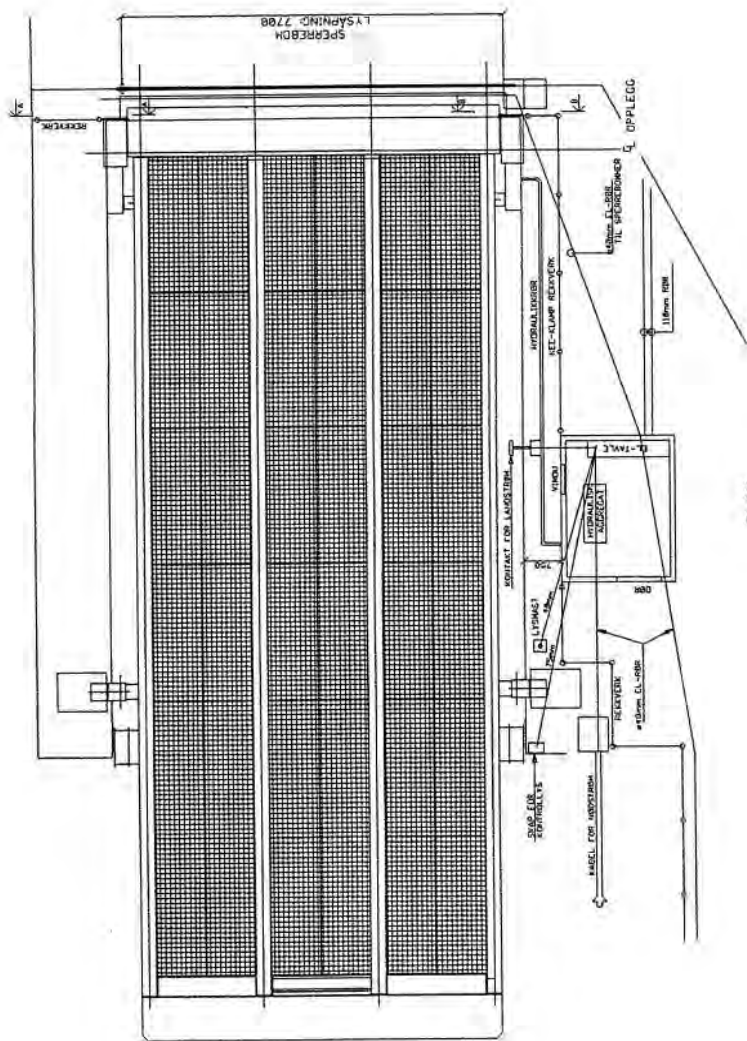
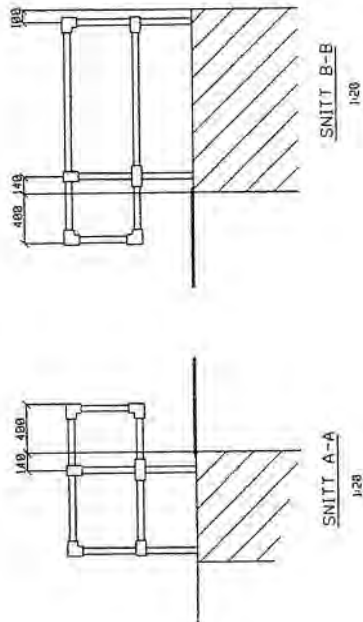
TRØNDELAC

FOR INNSTØPTE STÅLPÅLER OG
 FOR OPPELLEGG AV FERJEKABELBRU
 SE. TEKN. NR. 80A.

KLARING MELLOM INNSTØPTE
 CLIDEPLATER. B348

BRUOPPHENG FOR VEDLEHOLD
 KLARING MELLOM FERJE-
 KLARING MELLOM STØTTEBENK OG
 CLIDEPLATE. HØRRE SIDE. 20mm

| Data | Reliabilitet | | b | d | Reliabil. KRF. |
|-------------------------------------------|--------------|-----------|------|------|----------------|
| | Normale | Spesielle | | | |
| STATENS VEGVESEN | 1:50 | 1:10 | 1:50 | 1:10 | 200/202 |
| Standard Ferjekabbru 7 x 18 | | | 180 | 180 | |
| BETONGHÅL BRUBÅS | | | | | |
| Vegghæftestøttebrønnstilling, Olin. Hæ-00 | | | | | |
| H.T. Øderud (tegn) | Ø Kleppe | | 92 | 5 | 15 |

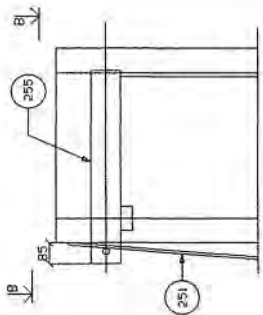


PLAN
1:50

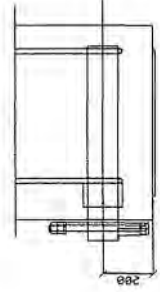
| Revisjon | | | Elev | | |
|----------|-------------|----------|----------|----------------|----------|
| Dato | Beskrivelse | Byggetid | Rev. nr. | Rev. dato | Byggetid |
| | | 1:08 | 1:08 | 20.02.00 | |
| | | 1:28 | 1:28 | 20.02.02 | |
| | | RØR | | Traserte | |
| | | mm | | | |
| | | | | Erstatning for | |

| | | | | | |
|--------------------------------------|--|---------|--|---------|---------|
| UTSTYR | | Versjon | | BL. nr. | BL. av. |
| Vegemålestørets brukning, Div. Hø-09 | | 92 | | 5 | 16 |
| H.T. Østerud | | ØKLEDDA | | | |
| (Sign) | | (Sign) | | | |

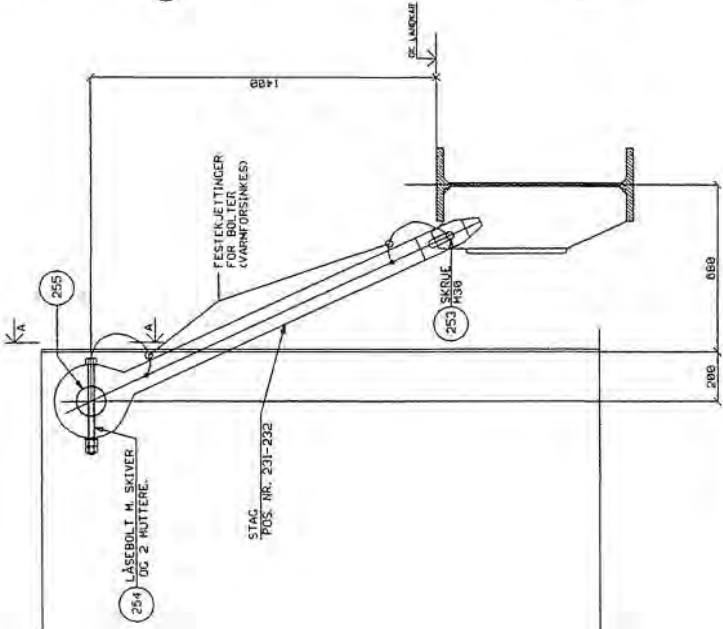
| POS. ANT. | BENÆVNELSE | DIMENSJONER mm | | | STÅLKVALITET |
|-----------|-----------------|----------------------------|--------|-------------|--------------------------|
| | | LODDE | BRØDDE | THK. PÅSTR. | |
| 251 | 2 PLATE | 1800 | - | 10 | 34 (S.52-3 (F.5100)) |
| 252 | 4 PLATE | 104 | 88 | 6 | 4 (S.52-3 (F.5100)) |
| 253 | 2 SKRUE M30x130 | - | - | - | 1 2 18,8 |
| 254 | 2 SKRUE M24x355 | Med skiver og skivermutter | | | 1 2 18,8 |
| 255 | 2 FUNDSTÅL Ø120 | 800 | - | - | 71 142 (S.52-3 (F.5100)) |
| 256 | 2 PLATE | 100 | 100 | 50 | 6 12 (S.52-3 (F.5100)) |
| 257 | 4 PLATE | 50 | 30 | 20 | 1 (S.52-3 (F.5100)) |
| 258 | 4 KANSTÅL Ø20 | 1500 | - | - | 4 16 K50B15 |
| SUM | | 210 | | | |



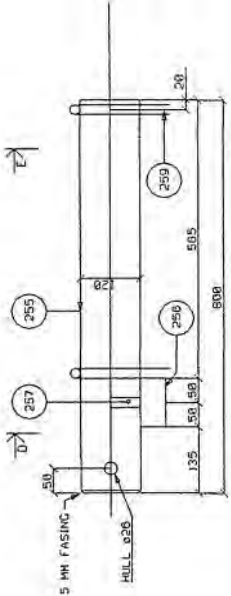
SNITT A-A
118



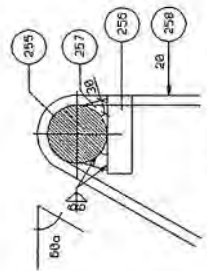
SNITT B-B
110



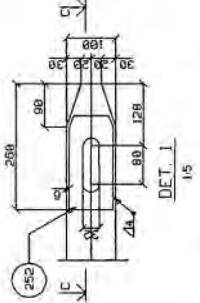
OPPRISS MOT FRONTSØYLE
110



POS. NR. 255
15



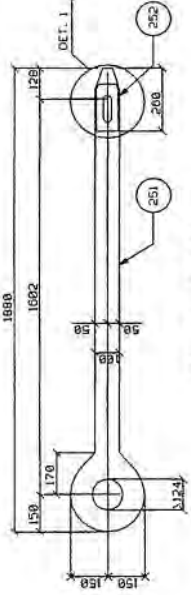
SNITT D-D
15



SNITT I-I
15



SNITT C-C
15



POS. NR. 251-252
110

BEMERKNING:
I BRUOPPHENGET LAGES I SPEILVENDT UTØYELSE FOR MOTISAIT FRONTSØYLE.

| BRUKNR | REV. ENE | REVISJON | AV | REVISJON | AV | REV. NR. | BL. NR. |
|------------------------------------------|----------|-----------|----|----------|----|----------|---------|
| STATENS VEGVESEN | | 110 | | 1/5 | | 200202 | |
| Standard Ferjekalbru 7 x 18 | | 1/5 | | 1/5 | | 200202 | |
| BRUOPPHENG FOR VEDLIKEHOLD | | 1/5 | | 1/5 | | 200202 | |
| Vegvesenstatens innkjøring, Oslo, Nr. 99 | | 1/5 | | 1/5 | | 200202 | |
| H.T. Døge/ud | | O. Kleppe | | 1/5 | | 17A | |

STANDARD FERJEKAIBRU

9 x 12 m.

(6)

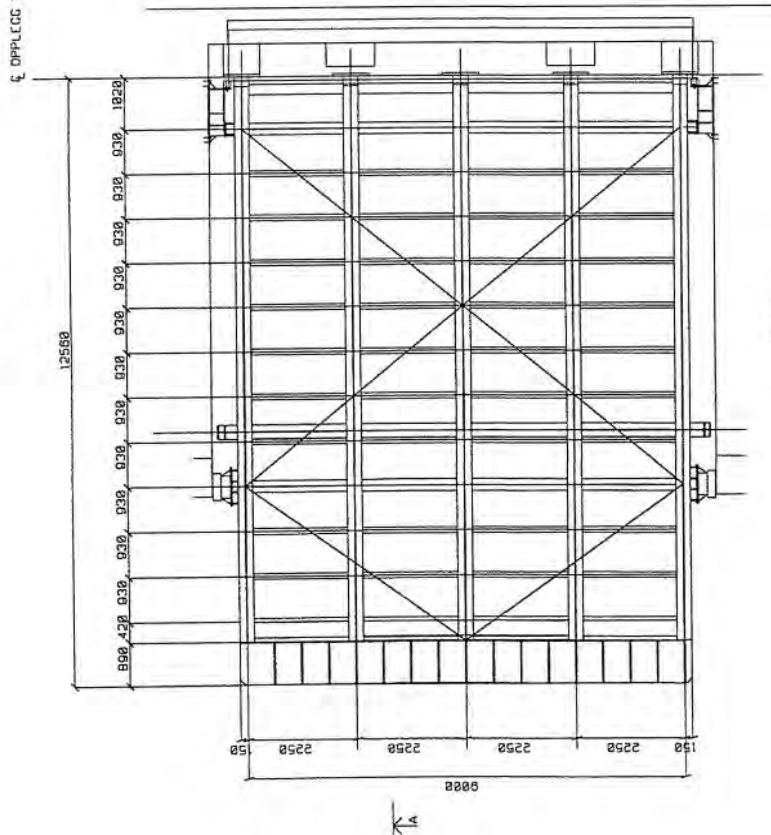
STANDARD FERJEKAIBRU, 9 x 12 m.

(Std. nr. 6)

TEGNINGSLISTE

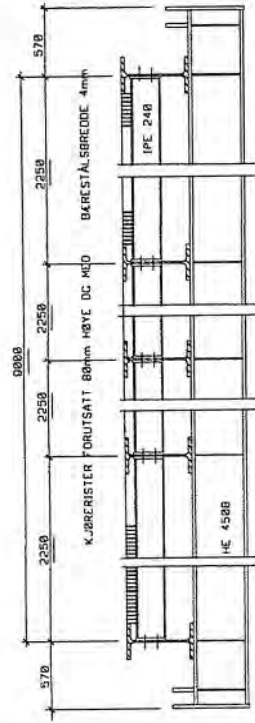
| | |
|-----------------|-----------------------------------------------------------|
| Bl. nr. 01B | Oversikt |
| Bl. nr. 02-IA | Ytre hovedbjelker med detaljer |
| Bl. nr. 02-II | Indre hovedbjelker med detaljer |
| Bl. nr. 02-IIIB | Hovedbjelker, plater og materialliste |
| Bl. nr. 03 | Tverrbjelker, plater, materialliste |
| Bl. nr. 04-I | Frontbjelke med detaljer |
| Bl. nr. 04-IIA | Frontbjelke, detaljer, plater og materialliste |
| Bl. nr. 05-I | Fagverk, plan |
| Bl. nr. 05-II | Fagverk, plater og materialliste |
| Bl. nr. 06A | Paneler bak frontbjelke |
| Bl. nr. 07A | Heisebjelke og innstøpt glideplate for fremre sidestyling |
| Bl. nr. 08A | Bakre tverrbjelke, overgangsplate |
| Bl. nr. 09-IB | Innstøpningsgods ved landkar, brulagre |
| Bl. nr. 09-II | Konsoll og dekkplate ved landkar |
| Bl. nr. 09-III | MV-fendere |
| Bl. nr. 09-IV | Sylinder- og konfendere |
| Bl. nr. 10 | Fremre sidestyling, rullende |
| Bl. nr. 11 | Heisetårn |
| Bl. nr. 12-IB | Brurekkverk |
| Bl. nr. 12-II | Rulleport |
| Bl. nr. 13 | Gitterrister |
| Bl. nr. 14 | Skruer, muttere og skiver for brukonstruksjon |
| Bl. nr. 15 | Betongmål |
| Bl. nr. 16 | Utstyr |
| Bl. nr. 17A | Bruoppheng for vedlikehold |

ϕ OPPLEGG VED HOR. BRU



PLAN
1/20

SNITT B-B
1/20

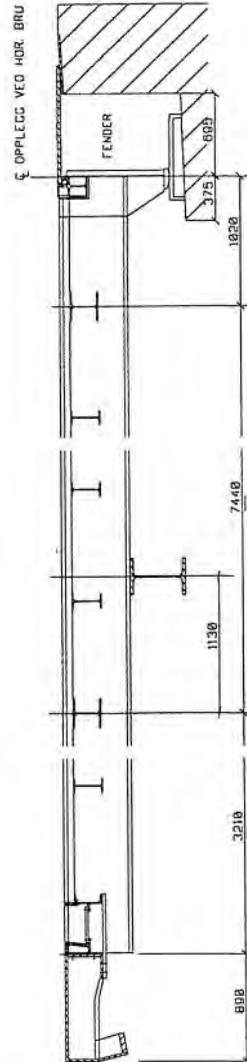


MATERIAL/TEGNINGSLISTE

| POS. NR. | BENØVNELSE | VEKT [kg] | TEGNR. |
|----------|-----------------------------------|-----------|--------|
| 1-32 | HØVEDBJELKER | 13445 | 82-111 |
| 33-41 | TVERRBJELKER | 4433 | 83 |
| 42-58 | PANJELER BAK FRONTBJELKESØ | | 88 |
| 51-83 | FRONTBJELKE | 4883 | 84-11 |
| 85-73 | HEISEBJELKE OG FREMRE SIDESTYRING | 2380 | 87 |
| 88-88 | KONSOLL OG DEKKPLATE VED LANDKAR | 587 | 88-11 |
| 88-188 | FADVERK | 2288 | 85-11 |
| 118-123 | BANSE, TVERRBJELKE, OVERGANGSPATE | 2464 | 88 |
| 138-141 | INNSTYPNINGSODS VED LANDKAR | 1878 | 89-1 |
| 151-181 | HEISETÅRN | 2112 | 11 |
| 211-218 | RULLENE SIDESTYRING | 395 | 18 |
| 231-248 | BRUPPHENG | 213 | 17 |
| | SUM | 39527 | |

BE-MERKNINGER:

1. VEKT AV SKRIVER ER IKKE INKLUDERT, SE TEGN. -14
2. VEKT AV FENDERE, SE TEGN. 88-III, EVT. 88-IV



SNITT A-A
1/20

| MÅLSTANDARD | | STATENS VEGVESEN | |
|-------------|--------------|------------------|--------------|
| NR. | TEGNINGSFRA. | NR. | TEGNINGSFRA. |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |

| OVERSIKT | | STATENS VEGVESEN | |
|----------|--------------|------------------|--------------|
| NR. | TEGNINGSFRA. | NR. | TEGNINGSFRA. |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |
| 108 | Jan. 11 | 108 | Jan. 11 |

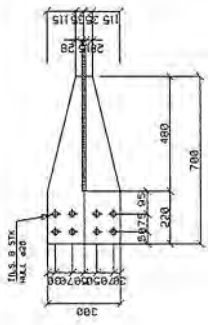
| | |
|----------------------------------------|----------------------------------------|
| STATENS VEGVESEN | STATENS VEGVESEN |
| Standard ferjebroer 9 x 12 | Standard ferjebroer 9 x 12 |
| OVERSIKT | OVERSIKT |
| Vegvesenstatens brobyggning 018, 10/08 | Vegvesenstatens brobyggning 018, 10/08 |
| H.T. Skjold | H.T. Skjold |
| 01/08 | 01/08 |
| 91 | 6 |
| Ø18 | Ø18 |

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I KG | STÅL-
KVAL. | MERKNADER |
|-----------|------------|----------------|-----------|----------------|-----------|
| 1 | HE5008B | 1895 - | 2182 | 4363 SL 52-3 | 100% ZINK |
| 2 | HE5008B | 1895 - | 2182 | 4363 SL 52-3 | 100% ZINK |
| 3 | HE5008B | 1895 - | 2182 | 4363 SL 52-3 | 100% ZINK |
| 4 | PLATE | 273 100 15 | 4 | RSL 37-2 | |
| 4B | PLATE | 127 100 10 | 1 | RSL 37-2 | |
| 5 | PLATE | 350 180 20 | 9 | RSL 37-2 | |
| 7 | PLATE | 360 170 20 | 8 | RSL 37-2 | |
| 8 | PLATE | 318 300 20 | 15 | RSL 37-2 | |
| 9 | PLATE | 288 300 20 | 11 | RSL 37-2 | |
| 10 | PLATE | 288 263 20 | 11 | RSL 37-2 | |
| 11 | PLATE | 295 300 20 | 17 | SL 52-3 | 100% ZINK |
| 12 | PLATE | 800 400 20 | 50 | RSL 37-2 | |
| 13A | PLATE | 485 263 20 | 21 | RSL 37-2 | |
| 13 | PLATE | 444 263 20 | 20 | RSL 37-2 | |
| 14 | PLATE | 150 128 20 | 15 | RSL 37-2 | |
| 15 | PLATE | 638 263 20 | 27 | RSL 37-2 | |
| 16 | PLATE | 323 271 20 | 13 | RSL 37-2 | |
| 17 | PLATE | 300 220 20 | 18 | RSL 37-2 | |
| 18 | PLATE | 400 322 20 | 17 | RSL 37-2 | |
| 18 | PLATE | 840 350 20 | 50 | RSL 37-2 | |
| 20 | PLATE | 355 200 20 | 12 | RSL 37-2 | |
| 21 | PLATE | 320 70 15 | 3 | RSL 37-2 | |
| 22 | PLATE | 88 40 15 | 0 | RSL 37-2 | |
| 23 | PLATE | 720 104 15 | 4 | RSL 37-2 | |
| 24 | PLATE | 790 750 45 | 207 | RSL 37-2 | |
| 25 | PLATE | 400 170 45 | 42 | RSL 37-2 | |
| 26 | PLATE | 840 350 20 | 42 | RSL 37-2 | |
| 27 | PLATE | 355 200 20 | 12 | RSL 37-2 | |
| 28 | PLATE | 320 70 15 | 3 | RSL 37-2 | |
| 29 | PLATE | 320 195 15 | 8 | RSL 37-2 | |
| 30 | PLATE | 300 140 15 | 4 | RSL 37-2 | |
| 31 | PLATE | 790 750 45 | 210 | RSL 37-2 | |
| 32 | PLATE | 180 170 15 | 6 | RSL 37-2 | |
| | | SUM : | | 1345 | |

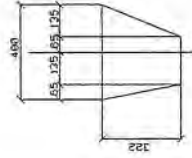
MER ALLE DIMENSJONER I TABELL ER TEORETISKE MÅL



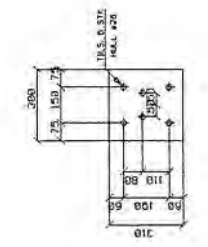
POS. NR. 4
110
POS. NR. 4B
110



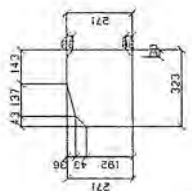
POS. NR. 9
110



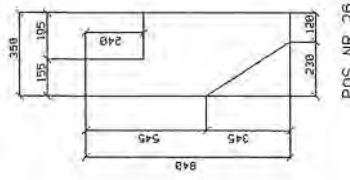
POS. NR. 18
110



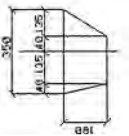
POS. NR. 8
110



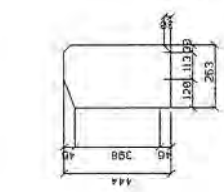
POS. NR. 16
110



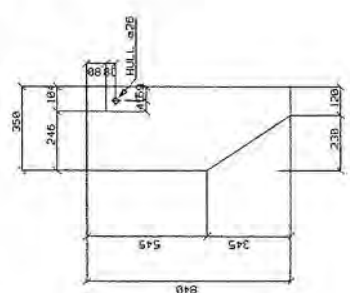
POS. NR. 26
110



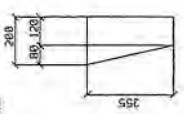
POS. NR. 5
110



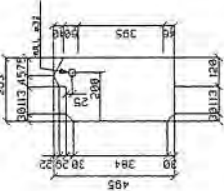
POS. NR. 13
110



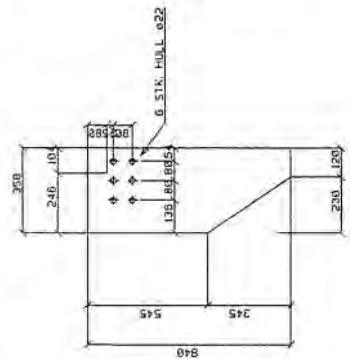
POS. NR. 19
110
(YTTERSIDE, 2 STK.)



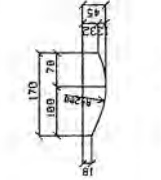
POS. NR. 27
110



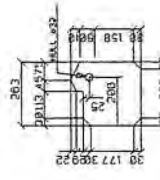
POS. NR. 13A
110



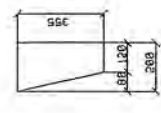
POS. NR. 19
110
(INNERSIDE, 2 STK.)



POS. NR. 25
110



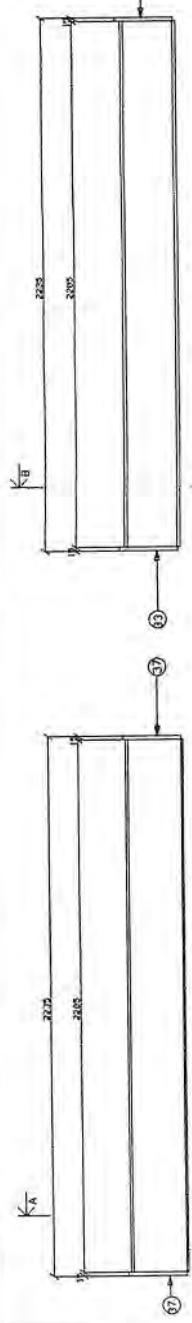
POS. NR. 10
110



POS. NR. 20
110

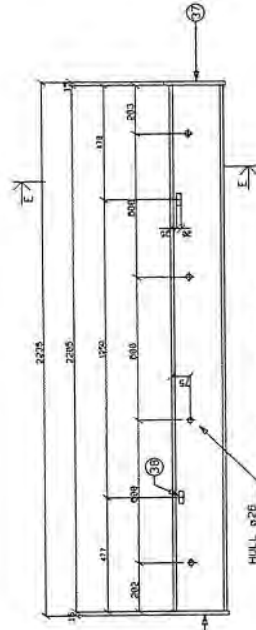
| BRAND | TEORETISKE MÅL I TABELL | REELLE MÅL | STÅL | STÅL |
|------------------------------------|-------------------------|------------|--------|---------|
| BRAND | TEORETISKE MÅL I TABELL | REELLE MÅL | STÅL | STÅL |
| STATENS VEGVESEN | | | | |
| Standard for jekkebrur: 9 x 12 | | | | |
| HOVEDDELKATALOGER OG MATERIALLISTE | | | | |
| Vegvesenstatens brannvesen | | | | |
| H.T. Østergård | | | | |
| D.K. Kløpper | | | | |
| Erfaringsskole | | | | |
| MÅTTID | N. NR. | N. NR. | N. NR. | N. NR. |
| 91 | 6 | | | 02-111B |

| POS. AMT. | BENEVNELSE | DIMENSJONER, ANT. VEKT I KG | STÅL-
KVAL. | HERRNADER |
|-----------|------------|-----------------------------|----------------|-----------|
| 33 16 | PLATE | 240 250 15 7 114 | RSt. 37-2 | - |
| 34 2 | PLATE | 1940 160 15 29 40 | RSt. 37-2 | - |
| 35 8 | HE 240A | 2205 - - 133 1894 | SL 52-3N | - |
| 36 30 | IPE 240 | 2205 - - 68 2448 | SL 52-3N | - |
| 37 78 | PLATE | 250 200 15 0 400 | RSt. 37-2 | - |
| 38 4 | PLATE | 50 20 20 1 1 | RSt. 37-2 | - |
| 39 4 | UNP 220 | 2205 - - 65 260 | RSt. 37-2 | - |
| 40 2 | PLATE | 250 200 15 6 12 | RSt. 37-2 | - |
| 41 2 | PLATE | 1940 60 15 14 28 | RSt. 37-2 | - |
| | | SUM: | 4433 | |

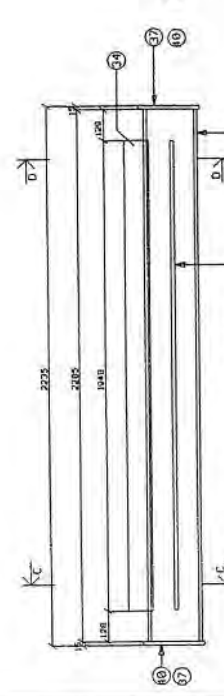


OPPRISS HE240A
1:10

OPPRISS IPE240
1:10



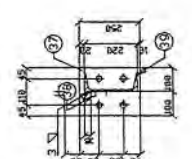
OPPRISS UNP220
(2 STK.)
1:10



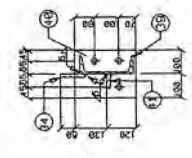
OPPRISS UNP220
(2 STK.)
1:10

BEMERKNINGER:

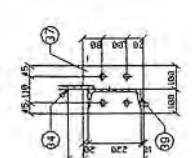
1. ALLE HULL Ø20
2. HULL I NEDRE FLENS VED PLATE POS. NR. 90 OG 95 IFLG. TECH. 05-1
3. HULL FOR FESTE AV GITTERRISTER BORES PÅ STEDET IHTT. TECH. 13.



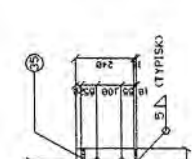
SNITT A-A
1:10



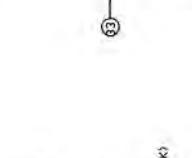
SNITT B-B
1:10



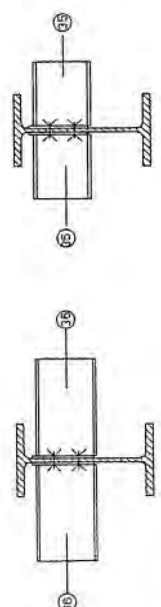
SNITT C-C
(NOT BILAGE TYPE 2)
1:10



SNITT D-D
(NOT BILAGE TYPE 3)
1:10



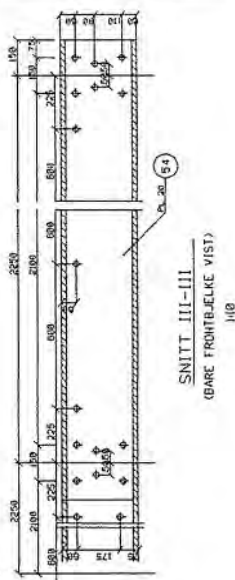
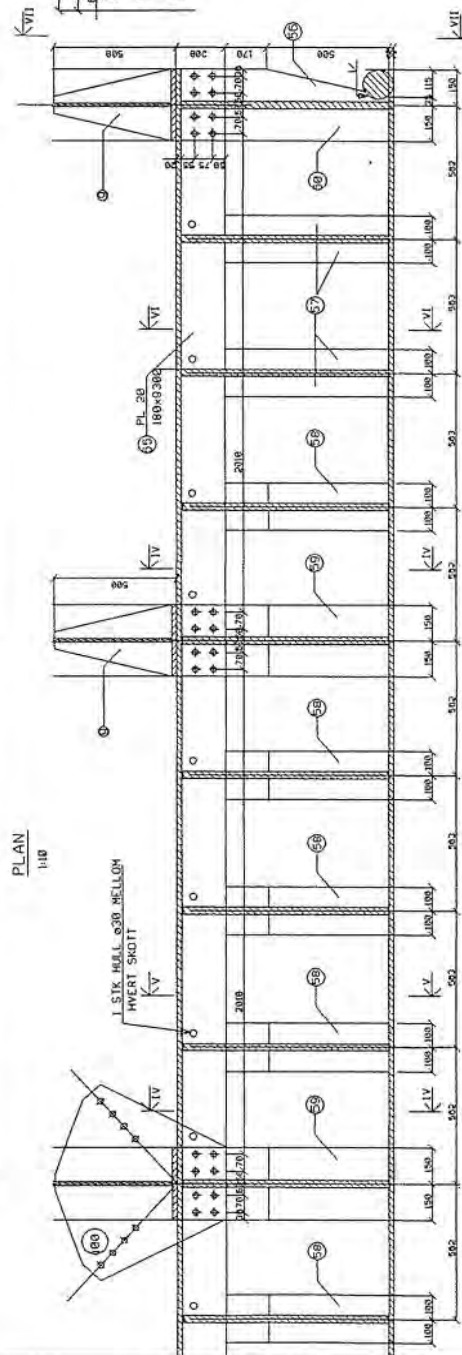
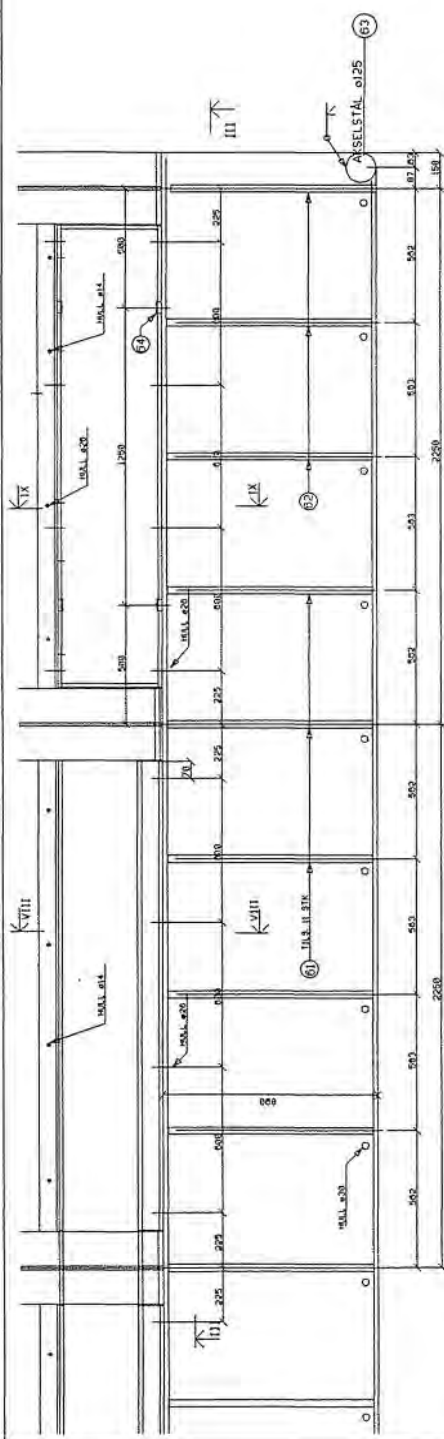
SNITT E-E
1:10



OPPRISS HE240A
(TYPISK)
1:10

OPPRISS IPE240
(TYPISK)
1:10

| DATE | REVISJON | BYGG | PROJEKT | UTV. |
|------|----------|------|-------------------------------------|------|
| | | | STATENS VEGVESEN | |
| | | | Standard ferjekaibrui 9 x 12 | |
| | | | TVERRBJELKER, PLATER, MATERIALLISTE | |
| | | | Vegstatens tekn. Div. Avr-98 | |
| | | | H.T. Østerud | |
| | | | tegner | |
| | | | 91 | 6 |
| | | | 03 | |



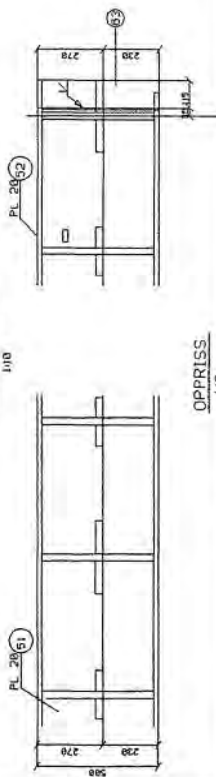
BEMERKNINGER:

1. SNITT IV-IV TIL IX-IX, SE TEGN. 04-II
2. ANSELSTAL (POS.NR. 63) KAN ERSTATTES MED EMHESROR 625-71

SNITT I-I
1/10

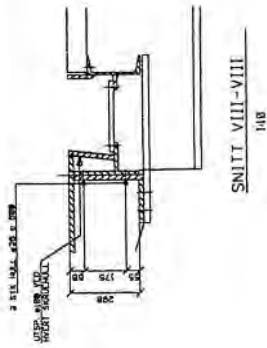


SNITT II-II
1/10

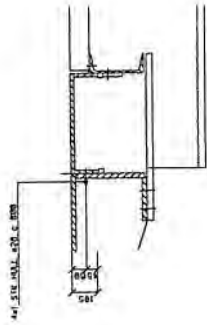


| | | | |
|------------------------------------------------|---------|-------------------------|-------------|
| STATENS VEGVESEN
Standard ferjekabru 9 x 12 | | FRONTJEKKE MED DETALJER | |
| DRUG | BYGNING | ANLEGG | BYGNING NR. |
| 91 | 8 | 04-I | |
| H.T. Børud (egn) | | H.T. Børud (egn) | |
| Kl. Børud (egn) | | Kl. Børud (egn) | |
| D. Kl. Børud (egn) | | D. Kl. Børud (egn) | |

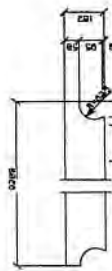
| POS. ANT. | BENEVELSE | DIMENSJONER mm | VEKT I kg | STÅL-
KVAL | MERKNADER |
|-----------|-------------|----------------|-----------|---------------|-----------|
| 51 | PLATE | Ø 70 x 470 | 20 | 970 | ANNOE 111 |
| 52 | PLATE | Ø 300 x 800 | 20 | 2285 | ANNOE 111 |
| 53 | PLATE | Ø 200 x 100 | 40 | 400 | ANNOE 111 |
| 54 | PLATE | Ø 200 x 200 | 20 | 200 | REL 37-2 |
| 55 | PLATE | Ø 100 x 100 | 20 | 200 | REL 37-2 |
| 56 | PLATE | Ø 71 x 135 | 30 | 22 | 43 |
| 57 | PLATE | Ø 71 x 135 | 30 | 22 | 43 |
| 58 | PLATE | Ø 75 x 200 | 30 | 31 | 255 |
| 59 | PLATE | Ø 75 x 200 | 30 | 48 | 143 |
| 60 | PLATE | Ø 71 x 135 | 30 | 22 | 43 |
| 61 | PLATE | Ø 71 x 135 | 30 | 22 | 43 |
| 62 | PLATE | Ø 71 x 135 | 30 | 22 | 43 |
| 63 | ANSELSPLATE | Ø 75 x 105 | 20 | 47 | 94 |
| 64 | PLATE | Ø 70 x 20 | 20 | 22 | 43 |
| SUM | | | | | 4883 |



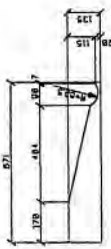
SNITT VIII-VIII
118



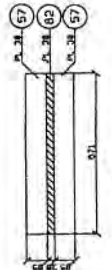
SNITT IX-IX
118



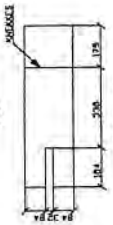
POS. 53
118



POS. 56
118



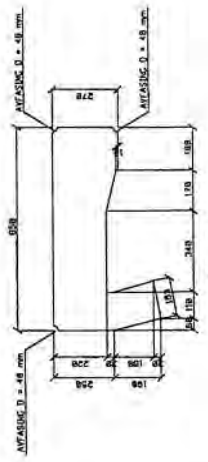
POS. 57
118



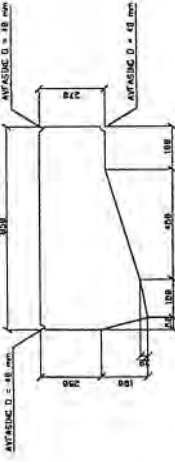
POS. 58
118



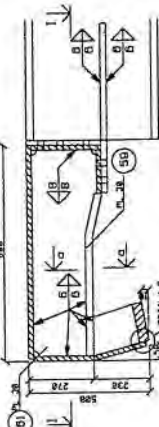
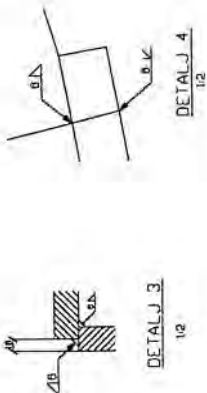
POS. 59
118



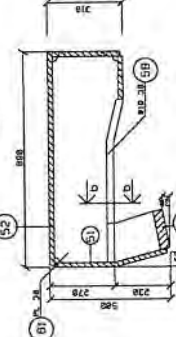
POS. 61
118



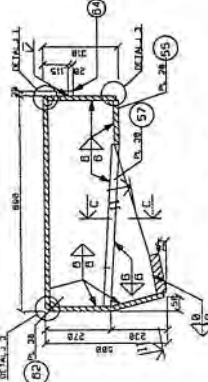
POS. 62
118



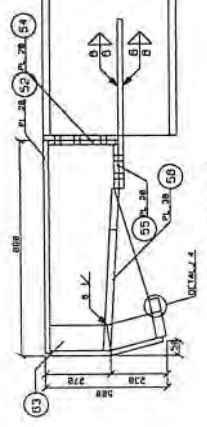
SNITT IV-IV
118



SNITT V-V, SVEIS SE SNITT IV-IV
118

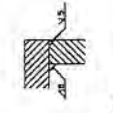


SNITT VI-VI
118

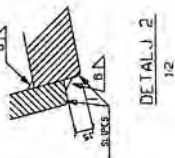


SNITT VII-VII
118

SVEIS SE SNITT VI-VI



DETALJ 1
12



DETALJ 2
12

BEMERKNINGER:

1. FOR SNITTENES BELIGGENHET, SE TEKN. 84-1

| PROJEKT
Dato | BYGGER
Dato | UTV. NO.
Dato | UTV. NO.
Dato | UTV. NO.
Dato | UTV. NO.
Dato | UTV. NO.
Dato |
|-----------------|----------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | | |

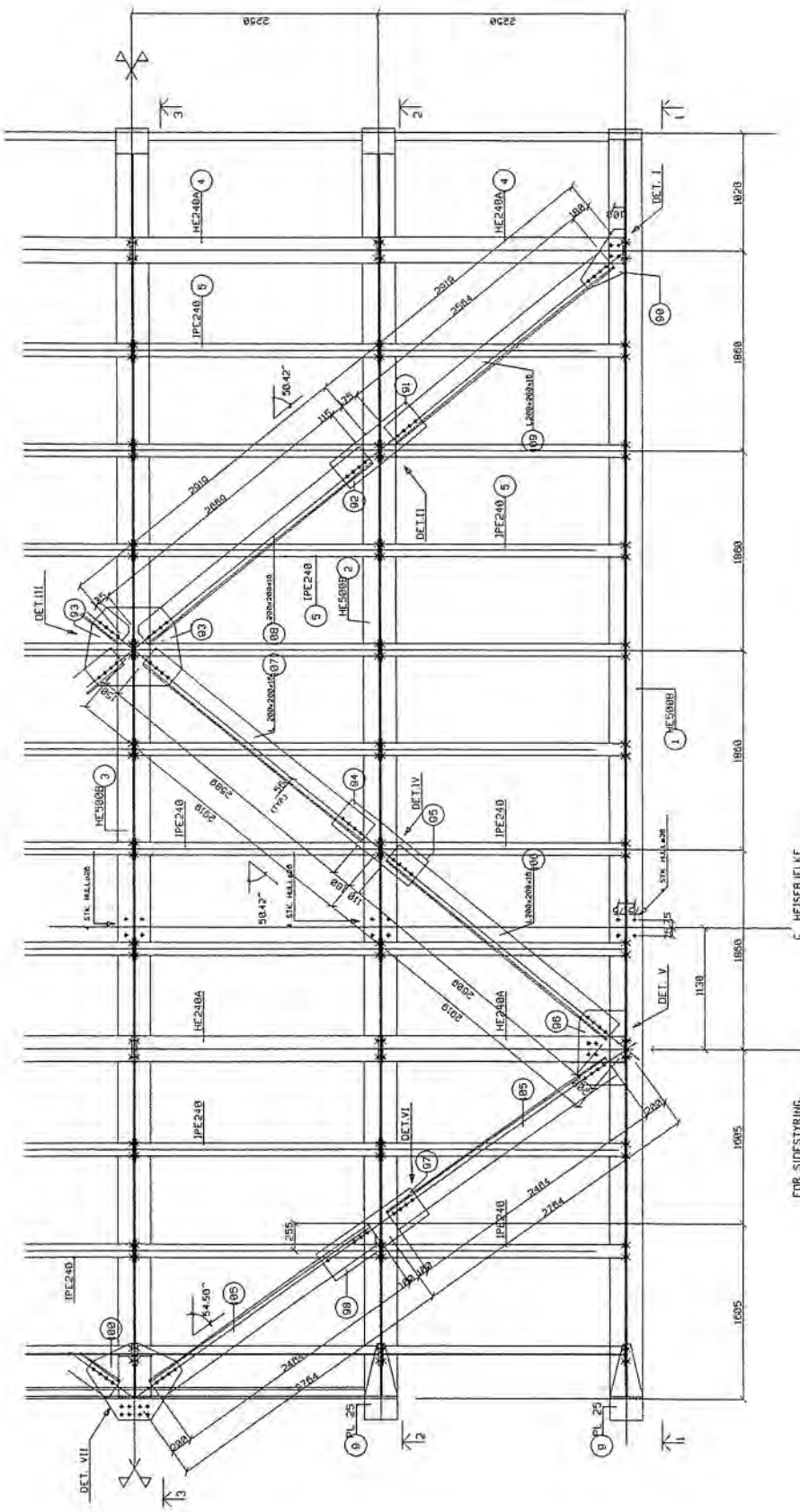
STATENS VEGVESEN
Standard for jernbros, 9 x 12

FRONTBELSKE
DETALJER, PLATER OG MATERIALLISTE
Vegvesenstatens standard, Dato, Nr. 36
H.T. Bøgerud
1950

0. Klipp
1950

118

91 6 Ø4-11A



BEMERKNINGER:

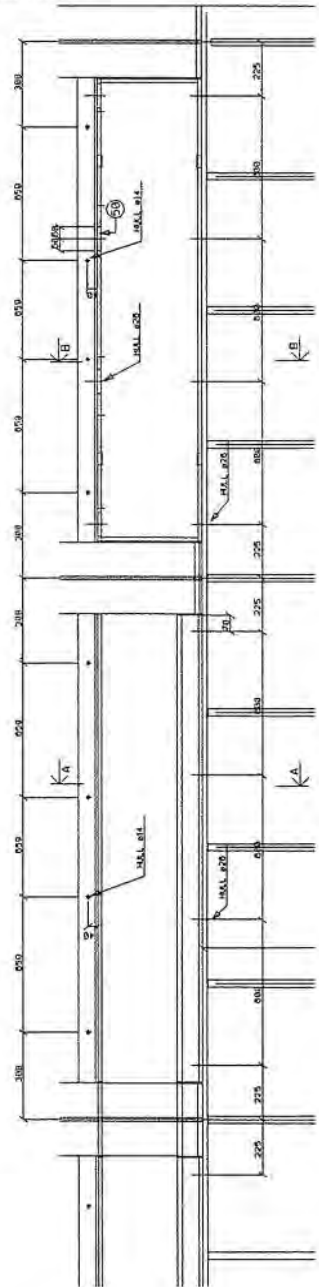
1. HULL FOR FESTE AV HEISEBJELKE, ø26 SKRIVER FOR FESTE AV HEISEBJELKE, H 24, 8,8
2. HULL FOR FESTE AV IPE 240 OG L 200x200x16x2,6 SKRIVER FOR FESTE AV IPE 240 OG L 200x200x16H 24, 8,8
3. FOR SNITTENE I TIL 3, SE TEKN 02-1 OG 02-11
4. KONTAKTFLATER BEHANDLES SLIK AT FRIKSJONSTALL $\mu = 0,5$ OPPNÅS
5. HVOR L 200x16 KOMMER I KONFLIKT MED UK FLENS HE 500B SKAL L 200x16 AVFASES 230x130mm
6. SKRUBBLOER MÅ SPELLES DH SYMMETRIKSE FOR L 200x16
7. FOR MATERIALLISTE, SE TEKN. 05-11
8. DETALJ I TIL. IX, SE TEKN. 05-11

FOR SIDESTYRING, SE TEKN. -02-1

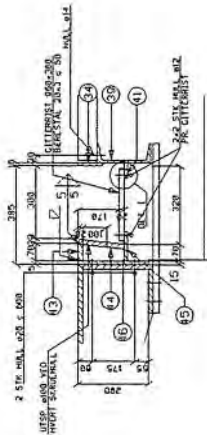
§ HEISEBJELKE

| | | | |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| DRAG | UTRUK | UTRUK | UTRUK |
| STATENS VEGVESEN | STATENS VEGVESEN | STATENS VEGVESEN | STATENS VEGVESEN |
| Standard for jekkebru 9 x 12 | Standard for jekkebru 9 x 12 | Standard for jekkebru 9 x 12 | Standard for jekkebru 9 x 12 |
| FADVERK, PLAN | FADVERK, PLAN | FADVERK, PLAN | FADVERK, PLAN |
| Vegvesenstale Invensting, 0104/10-06 | Vegvesenstale Invensting, 0104/10-06 | Vegvesenstale Invensting, 0104/10-06 | Vegvesenstale Invensting, 0104/10-06 |
| HT, Østfold | HT, Østfold | HT, Østfold | HT, Østfold |
| 91 | 6 | 05-1 | |

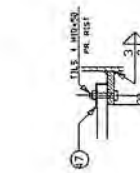
| POS. | MNT. | BENEVNELSE | DIMENSJONER mm | | VEKT I kg | STÅL - | | |
|------|------|------------|----------------|------|-----------|--------|-----------|--|
| | | | LØSSTREK | TRUK | | KVAL. | PERKHADEL | |
| 42 | 4 | PLATE | 1940 | 100 | 15 | 23 | R51-37-2 | |
| 43 | 2 | PLATE | 1040 | 70 | 20 | 43 | R51-37-2 | |
| 44 | 2 | PLATE | 1040 | 85 | 20 | 57 | R51-37-2 | |
| 45 | 2 | PLATE | 1040 | 120 | 15 | 28 | R51-37-2 | |
| 46 | 2 | PLATE | 1040 | 200 | 15 | 67 | R51-37-2 | |
| 47 | 8 | PLATE | 180 | 50 | 3 | 8,1 | R51-37-2 | |
| 48 | 4 | PLATE | 380 | 100 | 5 | 19 | R51-37-2 | |
| 49 | 2 | PLATE | 1040 | 400 | 15 | 192 | R51-37-2 | |
| 50 | 8 | PLATE | 180 | 100 | 15 | 10 | R51-37-2 | |
| | | | | | SUM | 859 | | |



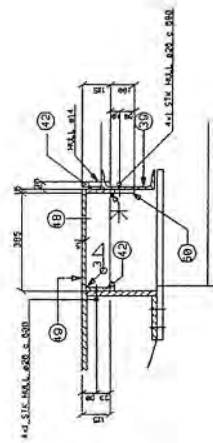
PLAN
1:10



SNITT A-A
1:10



DETALJ J 1
1:5



SNITT B-B
1:10

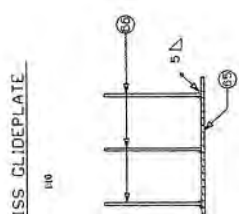
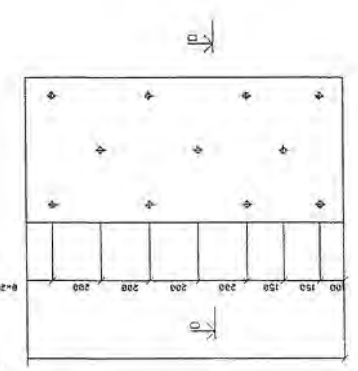
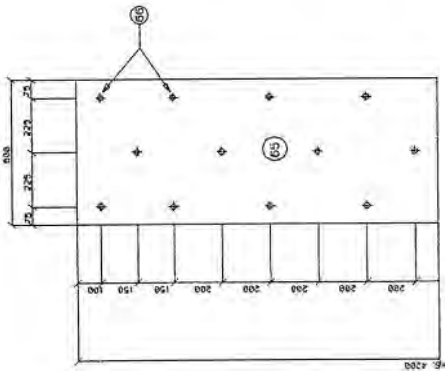
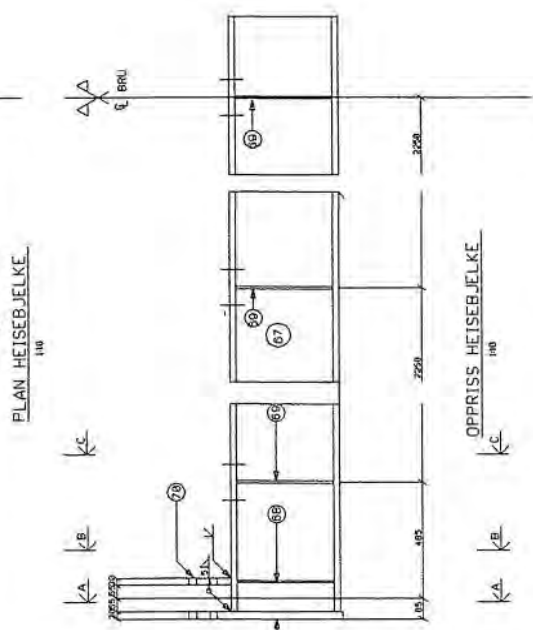
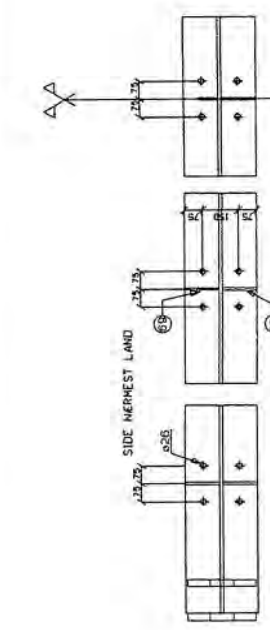
BEMERKNINGER:

1. FOR GITTERRIST, SE TEGN. 13

| | | | | | |
|-------------------------------------|---------------|---------------|---------------|---------------|---------------|
| DRUKT
GITT | DRUKT
GITT | DRUKT
GITT | DRUKT
GITT | DRUKT
GITT | DRUKT
GITT |
| STATENS VEVESSEN | | | | | |
| Standard for jekalbru: 9 x 12 | | | | | |
| PANELER BAK FRONTBjelKE | | | | | |
| Vegvaretaress bruvning. Øis. No. 06 | | | | | |
| HT. Ødgrud | | | | | |
| Økleppe | | | | | |
| Verstak | No. 02 | Øis. No. 06 | Øis. No. 02 | Øis. No. 06 | Øis. No. 06 |
| 91 | 6 | | | | |

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | | VEKT I KG | STÅL-
KVAL. | MERKNADER | |
|-----------|----------------|----------------|--------------|-----------|----------------|-----------|----------|
| | | STYCKE
MÅTT | STÅL
MÅTT | | | | |
| 55 | 2 PLATE | 4200 | 600 | 12 | 237 | 475 | RSL 37-2 |
| 56 | 68 KANSTÅL ø12 | 400 | - | 4 | 27 | 400 | KE80RTS |
| 57 | 1 HE450B | 10000 | - | 1724 | 1724 | 51 | 92-3 |
| 58 | 4 PLATE | 398 | 137 | 16 | 4 | 17 | RSL 37-2 |
| 59 | 18 PLATE | 398 | 143 | 16 | 5 | 46 | RSL 37-2 |
| 70 | 2 PLATE | 175 | 260 | 36 | 10 | 26 | RSL 37-2 |
| 71 | 2 PLATE | 635 | 268 | 39 | 49 | 80 | RSL 37-2 |
| SUM | | | | | 12389 | | |

* MERKNADER

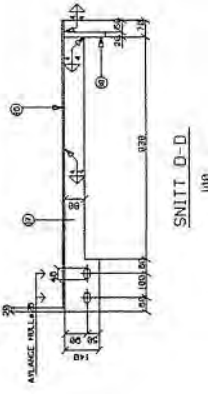


BEMERKNINGER:

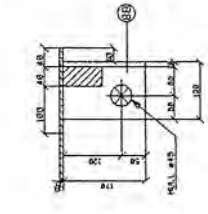
- FØR FESTE FOR HYDRAULIKSYLINDER LAGES, SKAL STÅL VERKSTED TA KONTAKT MED VECKONTROL/ HYDRAULIKLEVERANDØR FOR Å KONTROLLERE AT FESTET PASSER TIL DEN SYLINDEREN SOM SKAL BRUKES.
- 4 LENOØE FOR PDS. NR. 05
L = 1700-H2 (SE TEGN 11)

| IBERØY | DR. ENØE | ANLEGG | STÅL | VEKT | ST. NR. |
|-----------------------------------|----------|--------|------|------|---------|
| STATENS VEGVESEN | | | | | |
| Standard for jekkebru: 9 x 12 | | | | | |
| HEISEBJELKE OG INNSTØPT | | | | | |
| CLIDEPLATE FOR FREMRE SIDESTYRING | | | | | |
| H.T. Østherud | | | | | |
| 91 6 Ø7A | | | | | |

| POS. ANT. | BEMÆLNELSE | DIMENSJONER med VEKT i kg. | | STÅL-
KVAL. | MERKHADEL |
|-----------|------------|----------------------------|---------------|----------------|-----------|
| | | LDYSG. BREDDE | LDYSG. LÅNGD. | | |
| 80 | H-E3200 | 1000 | 127 | 25.3 | R SL-37-2 |
| 81 | PLATE | 1000 | 270 | 10 | R SL-37-2 |
| 82 | PLATE | 420 | 225 | 15 | R SL-37-2 |
| 83 | PLATE | 270 | 144 | 15 | R SL-37-2 |
| 84 | PLATE | 445 | 400 | 30 | R SL-37-2 |
| 85 | - | - | - | - | R SL-37-2 |
| 86 | TÅREPLATE | 200 | 450 | 8 | R SL-37-2 |
| 87 | PLATE | 1150 | 40 | 33 | R SL-37-2 |
| 88 | PLATE | 170 | 120 | 20 | SL-52-3 |
| 89 | - | - | - | - | - |
| SUM | | | | 587 | - |

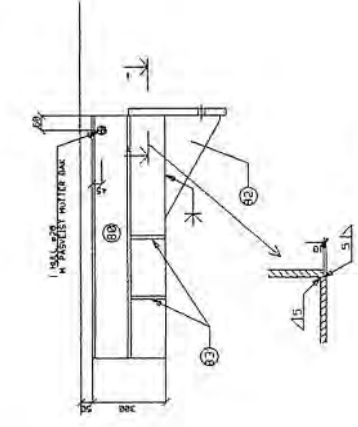
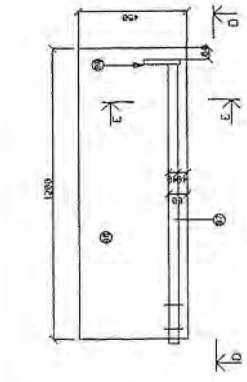


SNITT D-D
1:10

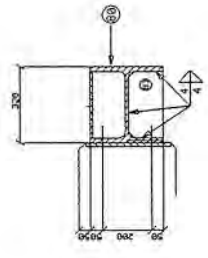


SNITT E-E
1:5

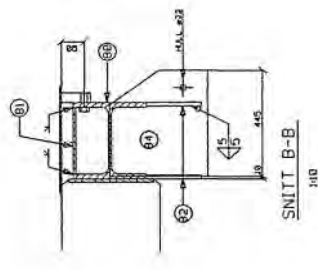
PLAN DEKKPLATE M/HØYDELÅS
1:10



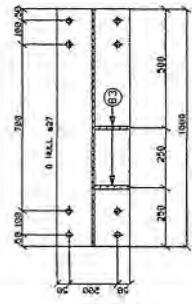
SNITT A-A
1:10



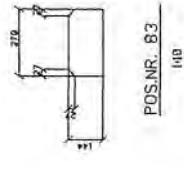
SNITT C-C
1:10



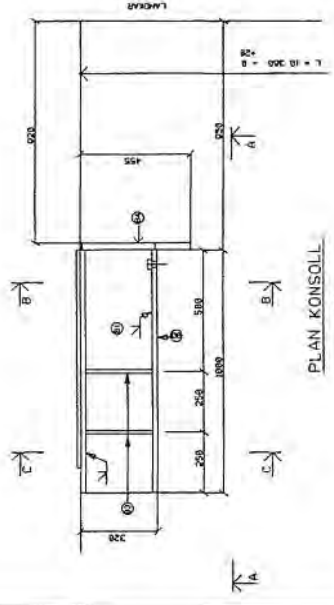
SNITT B-B
1:10



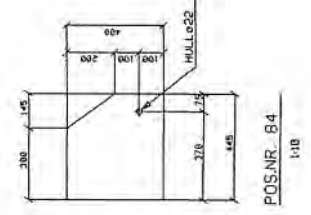
POS.NR. 80
1:10



POS.NR. 83
1:10



PLAN KONSOLL
1:10



POS.NR. 84
1:10

BEMERKNINGER:

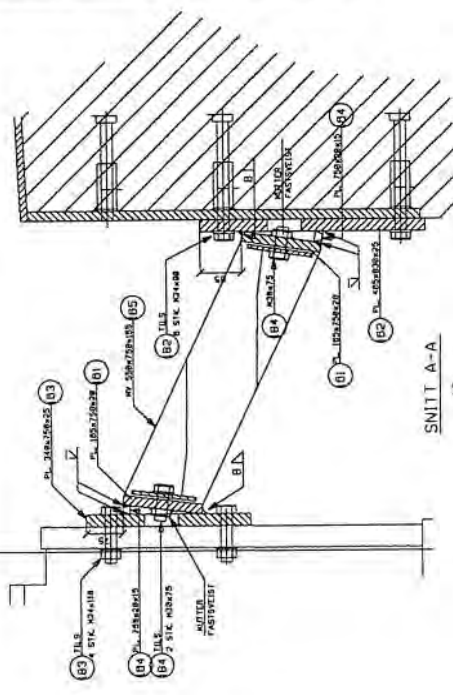
1. DET LAGES TO KONSOLLER, EN SOM VIST PÅ TEGNING OG EN SPELVENDT ØM C₁ BRUBÅS. TILSV. FOR HØYDELÅS
2. DET TAS HÅL HELLDI. BRUBÅSENS SIDER FOR PRODUKSJON AV KONSOLLER. HVIS TOLERANSE IKKE OVERHOLDES, SE PLAN, HÅ KONSOLLHÅL JUSTERES TILSV.

| DRU | AVTALTE | DRU | AVTALTE | DRU | AVTALTE |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| STATENS VEKSELEN | STATENS VEKSELEN | STATENS VEKSELEN | STATENS VEKSELEN | STATENS VEKSELEN | STATENS VEKSELEN |
| Standard Ferjekalbru 9 x 12 | Standard Ferjekalbru 9 x 12 | Standard Ferjekalbru 9 x 12 | Standard Ferjekalbru 9 x 12 | Standard Ferjekalbru 9 x 12 | Standard Ferjekalbru 9 x 12 |
| KONSOLL OG DEKKPLATE VED LANDKAR | KONSOLL OG DEKKPLATE VED LANDKAR | KONSOLL OG DEKKPLATE VED LANDKAR | KONSOLL OG DEKKPLATE VED LANDKAR | KONSOLL OG DEKKPLATE VED LANDKAR | KONSOLL OG DEKKPLATE VED LANDKAR |
| Vegteknisk konstruksjon, Dim. Norge | Vegteknisk konstruksjon, Dim. Norge | Vegteknisk konstruksjon, Dim. Norge | Vegteknisk konstruksjon, Dim. Norge | Vegteknisk konstruksjon, Dim. Norge | Vegteknisk konstruksjon, Dim. Norge |
| H. I. Østlund | H. I. Østlund | H. I. Østlund | H. I. Østlund | H. I. Østlund | H. I. Østlund |
| tegner | tegner | tegner | tegner | tegner | tegner |
| 91 | 6 | 91 | 6 | 91 | 6 |
| Ø9-II | Ø9-II | Ø9-II | Ø9-II | Ø9-II | Ø9-II |

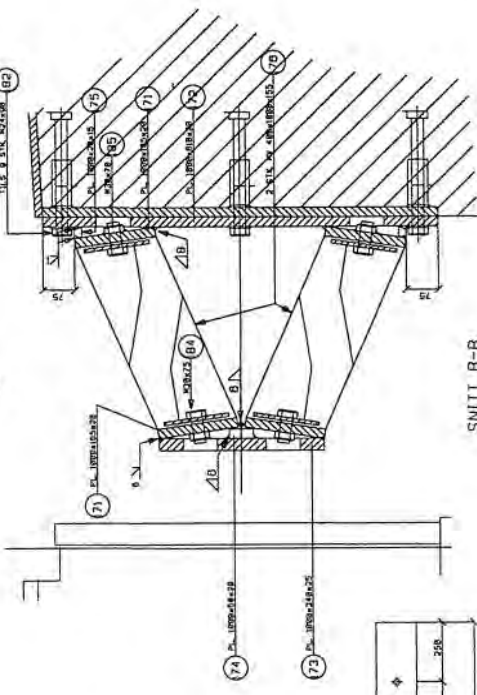
| POS. ANT. | RENEVNELSE | DIMENSJONER mm | | VEKT l | STÅL-
KVAL. | MERKNADE |
|-----------|------------------------|----------------|-------|--------|----------------|----------|
| | | LÅNGD | BREDD | | | |
| 001 | PLATE | 750 | 105 | 20 | S355JR | |
| 002 | PLATE | 830 | 40 | 25 | S355JR | |
| 003 | PLATE | 750 | 340 | 25 | S355JR | |
| 004 | PLATE | 750 | 20 | 15 | S355JR | |
| 005 | FENDER MV 550x750x155 | | | | | |
| 171 | PLATE | 1000 | 105 | 20 | S355JR | |
| 172 | PLATE | 1000 | 610 | 20 | S355JR | |
| 173 | PLATE | 1000 | 340 | 25 | S355JR | |
| 174 | PLATE | 1000 | 60 | 20 | S355JR | |
| 175 | PLATE | 1000 | 20 | 15 | S355JR | |
| 176 | FENDER MV 400x1000x155 | | | | | |
| 180 | SKRUE M 24x75 | | | | | |
| 181 | FENDER MPP | 200 | 150 | 155 | | |
| 182 | SKRUE M 24x80 | | | | | |
| 183 | SKRUE M 10x110 | | | | | |
| 184 | SKRUE M 30x75 | | | | | |
| 185 | SKRUE M 30x70 | | | | | |
| SUM | | | | | 850 | |

BEKJÆRNINGER:

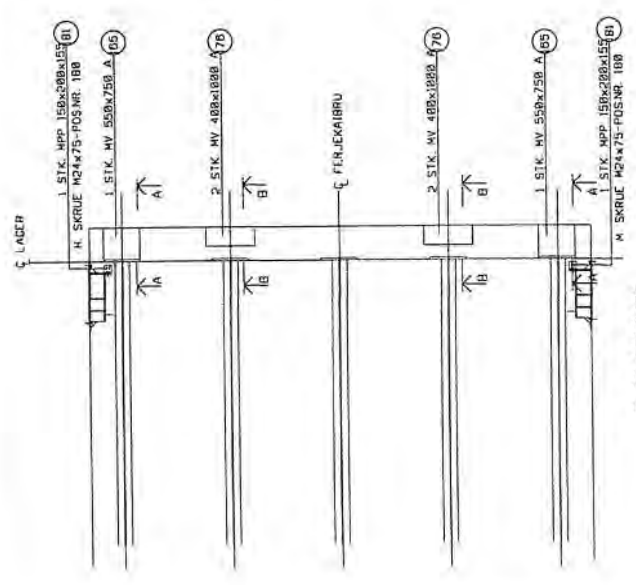
1. DUMPFENDER POS.NR. 185 BBR MONTERES EFTER AT END-PLATENE POS.NR. 101 ER MONTERT PÅ PLASSDRHOLD.



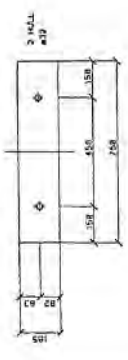
SNITT A-A
1/5



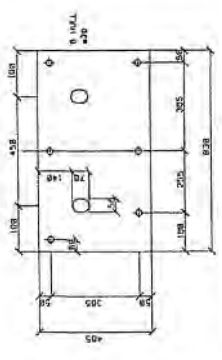
SNITT B-B
1/5



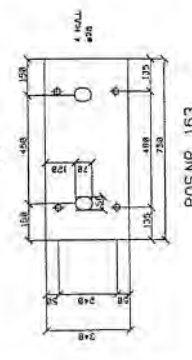
PLAN FENDERE
1/8



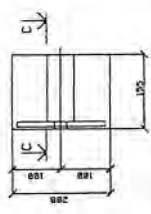
POS.NR. 161
1/10



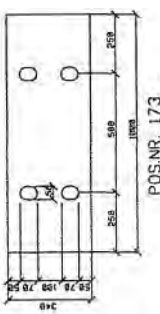
POS.NR. 162
1/10



POS.NR. 163
1/10



FENDER MPP 150x200x155
1/5



SNITT C-C
1/5

| STATENS VEDVESEN | |
|---------------------------------------|----------|
| Standard for jekalbru 9 x 12 | |
| MV-FENDERE | |
| Vegvesenstatens Driftsvesen, Div. 100 | |
| M.T. Bergeby | OKlagge |
| 91 | 6 89-111 |

MATERIALLISTER (ANTALL PR. FENDER):

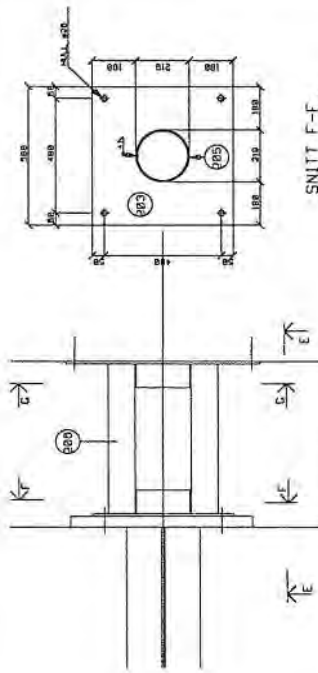
| POS. | ANT. | BENEVNELSE | DIMENSJONER mm | | VEKT I kg | STÅL-
KVAL. | MERKAD |
|------|------|--------------|----------------|-------|-----------|----------------|--------|
| | | | LANGD | BREDD | | | |
| 101 | 1 | PLATE ø180 | 180 | 18 | 28,4 | RSL-37-E | - |
| 102 | 1 | PLATE ø210 | 210 | 18 | 40,9 | RSL-37-E | - |
| 103 | 1 | RØR ø200 x 5 | 200 | 5 | 3,2 | RSL-37-E | - |
| 104 | 1 | RØR ø200 x 8 | 200 | 8 | 5,1 | RSL-37-E | - |
| 105 | 1 | SKRUE M24x75 | - | - | - | - | - |
| 106 | 4 | SKRUE M24x90 | - | - | - | - | - |
| 107 | 4 | SKRUE M24x98 | - | - | - | - | - |
| | | | | | SUM: | 137 | - |

KONFENDER TRYKK:

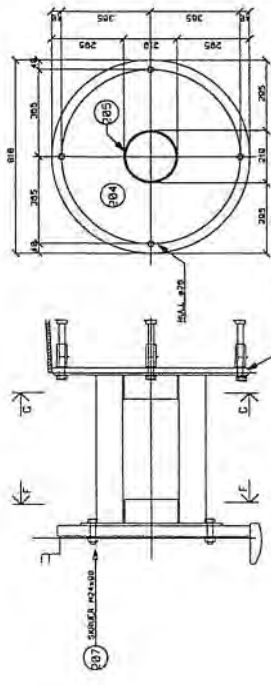
| | | | | | | | | |
|-----|---|-------------------|---|---|---|---|---|---|
| 200 | 1 | CUMMFENDER CN 580 | - | - | - | - | - | - |
| 201 | 4 | SKRUE M24x98 | - | - | - | - | - | - |

SIRKULÆRFENDER:

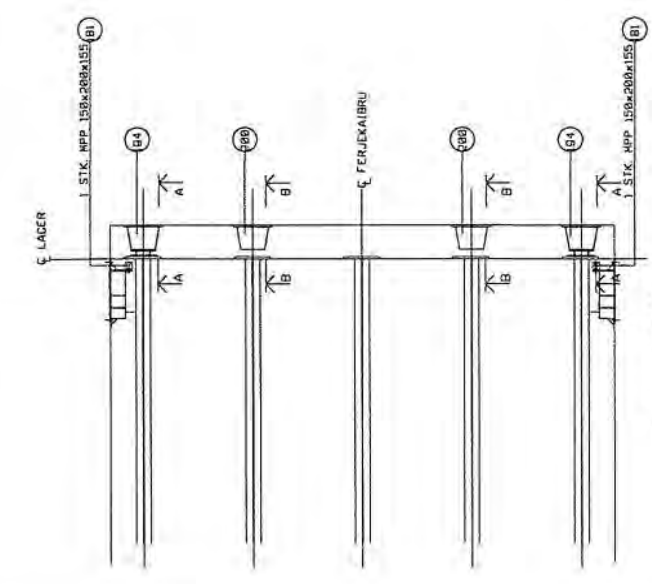
| | | | | | | | |
|-----|---|-----------------|-----|----|------|----------|---|
| 202 | 1 | PLATE | 580 | 18 | 28,4 | RSL-37-E | - |
| 203 | 1 | PLATE ø180 | - | - | 40,9 | RSL-37-E | - |
| 204 | 1 | RØR ø210 | - | - | 3,2 | RSL-37-E | - |
| 205 | 1 | CUMMFENDER ø450 | - | - | - | - | - |
| 206 | 4 | SKRUE M24x98 | - | - | - | - | - |
| 207 | 4 | SKRUE M24x75 | - | - | - | - | - |
| 208 | 4 | SKRUE M24x75 | - | - | - | - | - |
| | | | | | SUM: | 72 | - |



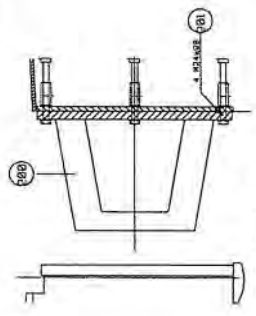
SNITT F-F
118



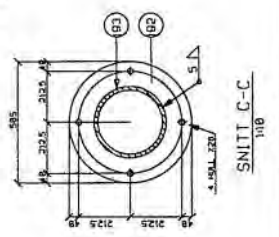
SNITT C-C
118



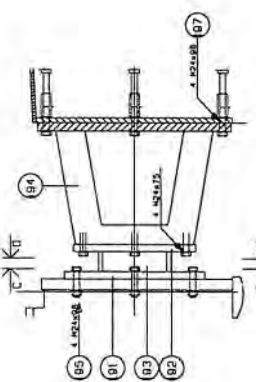
SNITT E-E
118



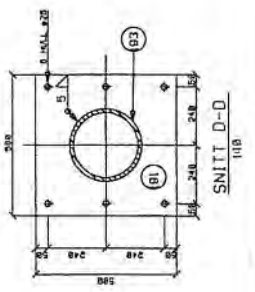
SNITT B-B
118



SNITT C-C
118



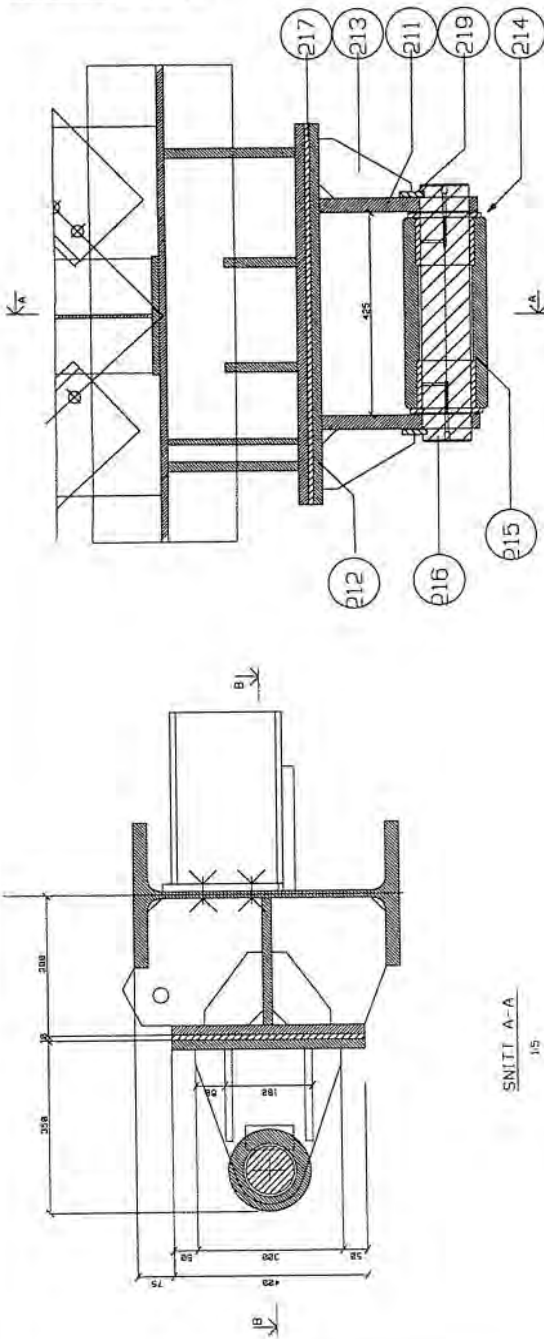
SNITT A-A
118



SNITT D-D
118

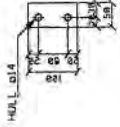
| DRAG | PROJEKT | REVISJON | UTGIVELSE | BYGG |
|------------------|------------------------------|----------|-----------|-------|
| STATENS VEGVESEN | Standard for jekkebru 9 x 12 | 91 | 6 | Ø9-IV |

| POS | ANT | BENEVELSELSE | DIMENSJONER mm | | VEKT i kg | STÅL - | KERNADER |
|-----|-----|---------------------|----------------|-------|-----------|------------|----------|
| | | | LØSSE | LØSSE | | | |
| 211 | 4 | PLATE | 125 | 308 | 14,2 | RSL-37-2 | - |
| 212 | 2 | PLATE | 800 | 408 | 13 | RSL-37-2 | - |
| 213 | 8 | PLATE | 190 | 125 | 15 | RSL-37-2 | - |
| 214 | 4 | METALLFORING Ø158 | 118 | -- | 2,5 | RSL-37-2 | - |
| 215 | 2 | FINNESPØRRE 178x118 | 408 | -- | 35,0 | RSL-37-2 | - |
| 216 | 2 | ANSELE Ø188 | 548 | -- | 33,3 | STREIF-AS1 | SIS 2343 |
| 217 | 2 | PLATE | 868 | 408 | 18 | RSL-37-2 | - |
| 218 | 4 | PLATE | 188 | 58 | 0,4 | RSL-37-2 | - |
| | 12 | SKRUE M24x20 | -- | -- | -- | BB | -- |
| | 8 | SKRUE M16x18 | -- | -- | -- | BB | -- |
| SUM | | | | | 955 | | |



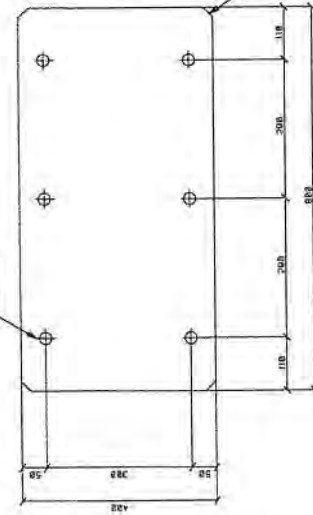
SNITT A-A
1/5

SNITT B-B
1/5

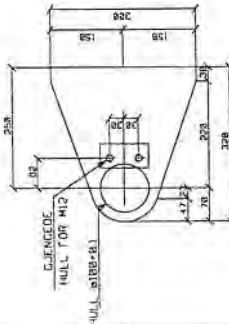


HULL Ø12
POS NR. 219
1/5

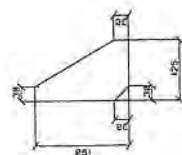
BEMERKNINGER:
1. TYKKELSE AV PLATE POS NR. 217 (SJIHS) TILPASSES ETTER KONTROLLMÅLING AV BRUGAS. KLARING HELLER SIDESTYRING OG CLIDEPLATE SKAL VÆRE 28mm PÅ HVER SIDE AV FERJEKABLU.



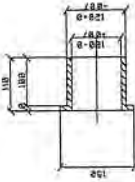
POS NR 212 OG 217
1/5



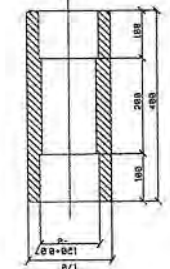
POS NR 211
1/5



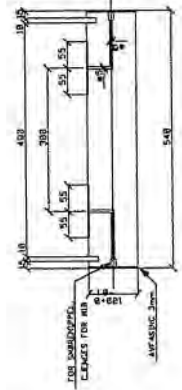
POS NR 213
1/5



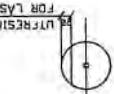
POS NR 214
1/5



POS NR 215
1/5

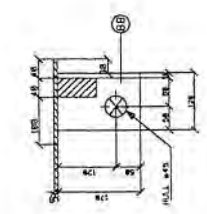


POS NR 216
1/5

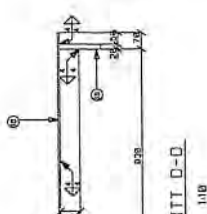


| Dato | Tegnning | Mål | | Mål | Mål |
|------------------------------------|----------|-----|-----|-----|-----|
| | | 1:5 | 1:5 | | |
| STATENS VEVSEEN | | | | | |
| Standard Ferjekablu B x 12 M 1 | | | | | |
| FREMRE SIDESTYRING, RULLENDE | | | | | |
| Hjælperstaten-buening, Del. JAV-08 | | | | | |
| K.T. Bergerud | | | | | |
| D.Kjøppe | | | | | |
| 1/5 | | | | | |
| 91 | | | | | |
| 6 | | | | | |
| 10 | | | | | |

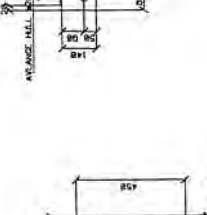
| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT | STÅL - KVAL. | MERKNINGER |
|-----------|------------|----------------|------|--------------|------------|
| B0 | HEJEREBB | 1000 | 127 | SL-37-2 | |
| B1 | PLATE | 1000 270 10 | 22 | SL-37-2 | |
| B2 | PLATE | 420 225 15 | 6 | SL-37-2 | |
| B3 | PLATE | 270 144 15 | 5 | SL-37-2 | |
| B4 | PLATE | 445 400 30 | 42 | SL-37-2 | |
| B5 | | | | | |
| B6 | TÅREPLATE | 1200 450 | 24 | SL-37-2 | |
| B7 | PLATE | 1150 | 48 | SL-37-2 | |
| B8 | PLATE | 170 120 20 | 3,3 | SL-92-3 | |
| B9 | | | | | |
| | | | SUM | 567 | |



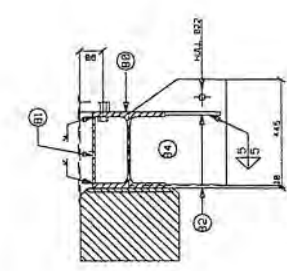
SNITT E-E
1:5



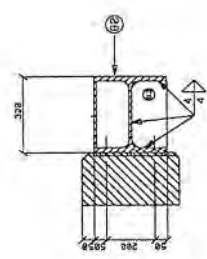
SNITT D-D
1:10



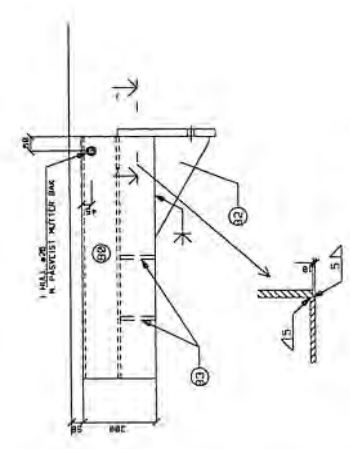
SNITT C-C
1:10



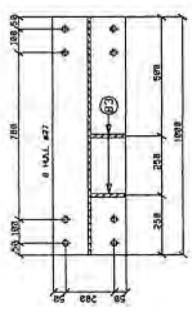
SNITT B-B
1:10



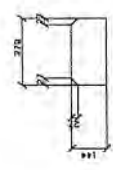
SNITT A-A
1:10



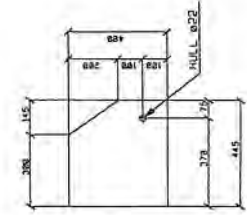
PLAN DEKPLATE M/HØYDEKLAS
1:10



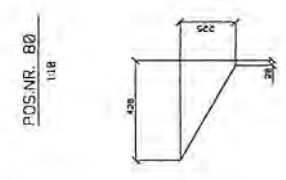
POS.NR. B0
1:10



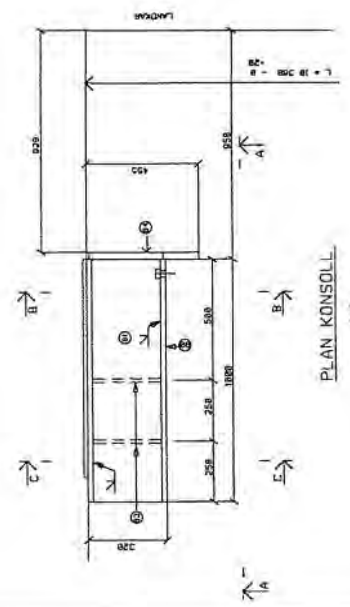
POS.NR. B3
1:10



POS.NR. B4
1:10



POS.NR. B2
1:10



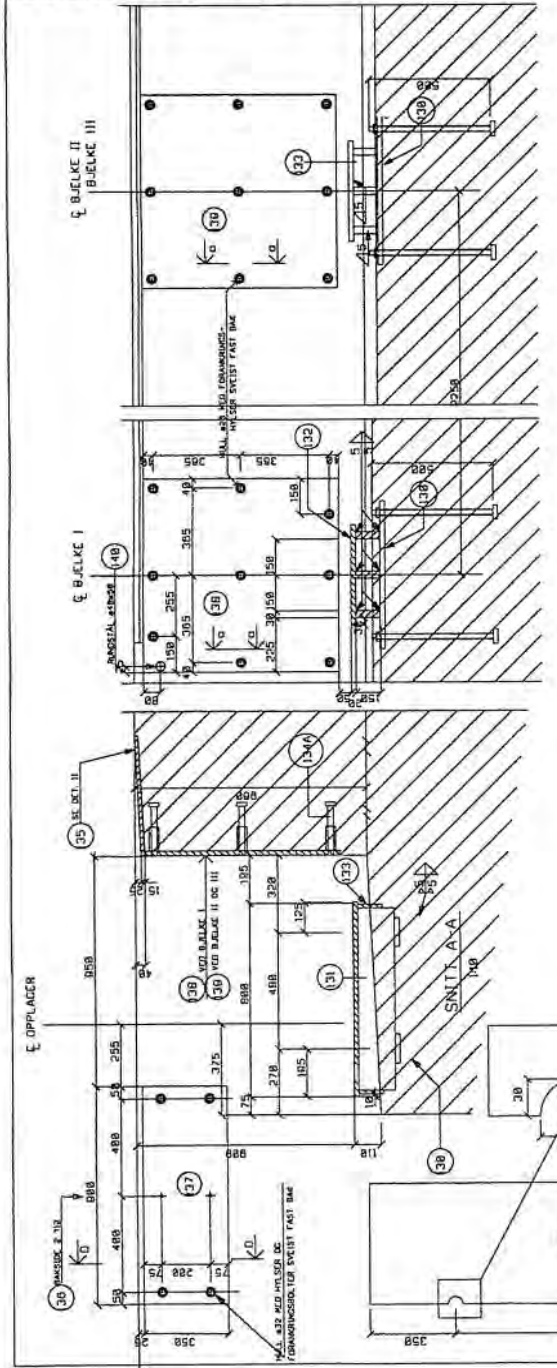
PLAN KONSOLL
1:10

BEMERKNINGER

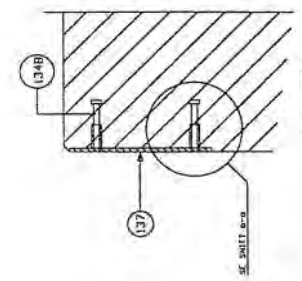
- DET LAGES TO KONSOLLER, EN SOM VIST PÅ TEGNING OG EN SPELLENØT OM F. BRUGSAS. TILSY. FOR HØYDEKLAS
- DET TAS HÅL MELLOM BRUSASENS SIDER FOR PRODUKSJON AV KONSOLLER. HVIS TOLERANSEN IKKE OVERHOLDES, SE PLAN, MÅ KONSOLLHÅL JUSTERES TILSY.

| DRAG | BILAG | DRAG | DRAG | DRAG | DRAG | DRAG | DRAG | DRAG | DRAG |
|----------------------------------|-------|------|------|------|------|------|------|------|------|
| | | | | | | | | | |
| STATENS VEGVESEN | | | | | | | | | |
| Standard for jekkebrua 9 x 15 M | | | | | | | | | |
| KONSOLL OG DEKPLATE VED LANDKAR. | | | | | | | | | |
| HT-Bilag 14 | | | | | | | | | |
| Dokumentnummer: 01/1998 | | | | | | | | | |
| Dokumenttype: Tegning | | | | | | | | | |
| Dokumentnummer: 91 | | | | | | | | | |
| Dokumenttype: 7 | | | | | | | | | |
| Dokumentnummer: 09-11 | | | | | | | | | |

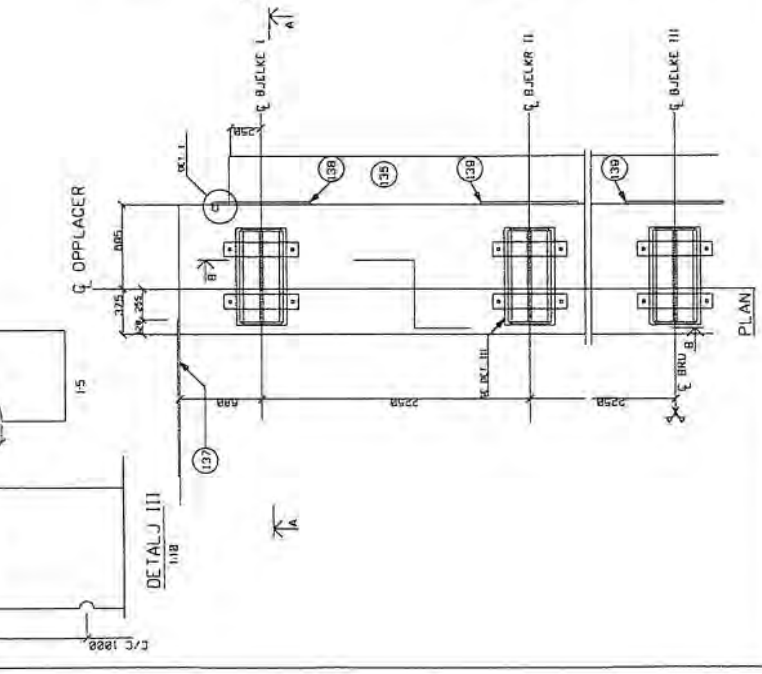
| POS. ANT. | BENEVNELSE | DIMENSJONER mm | | STÅL-
KVAL. | MENNADDER |
|-----------|---------------------------|----------------|-------|----------------------|-----------|
| | | LÅNGS | BREDD | | |
| 130 | PLATE | 508 | 120 | RSL 37-P | |
| 131 | PLATE | 758 | 150 | RSL 37-P | |
| 132 | PLATE | 888 | 420 | MAROKK 008 SALLISTAL | |
| 133 | PLATE | 338 | 168 | RSL 37-P | |
| 134A | VEKO-HYLSER 1000x 42x 200 | - | - | EL. TILSV. | |
| 134B | VEKO-HYLSER 1000x 42x 200 | - | - | EL. TILSV. | |
| 135 | PLATE | 4788 | 508 | RSL 37-P | |
| 136 | KANSTAL ø12 | 488 | - | K500015 | |
| 137 | PLATE | 888 | 108 | RSL 37-P | |
| 138 | PLATE | 818 | 818 | RSL 37-P | |
| 139 | PLATE | 818 | 818 | RSL 37-P | |
| 140 | RUNDSTAL ø10 | 50 | - | RSL 37-P | |
| 141 | PLATE | 168 | 15 | RSL 37-P | |
| | SUM | 1070 | | | |



SNITT B-B
118



SNITT D-D
118

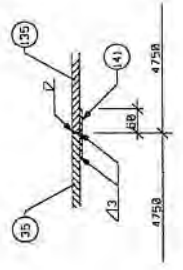


DET. III
118



SNITT O-O
15

DET. I
15



SKJØT AV PLATE POS. 135
15

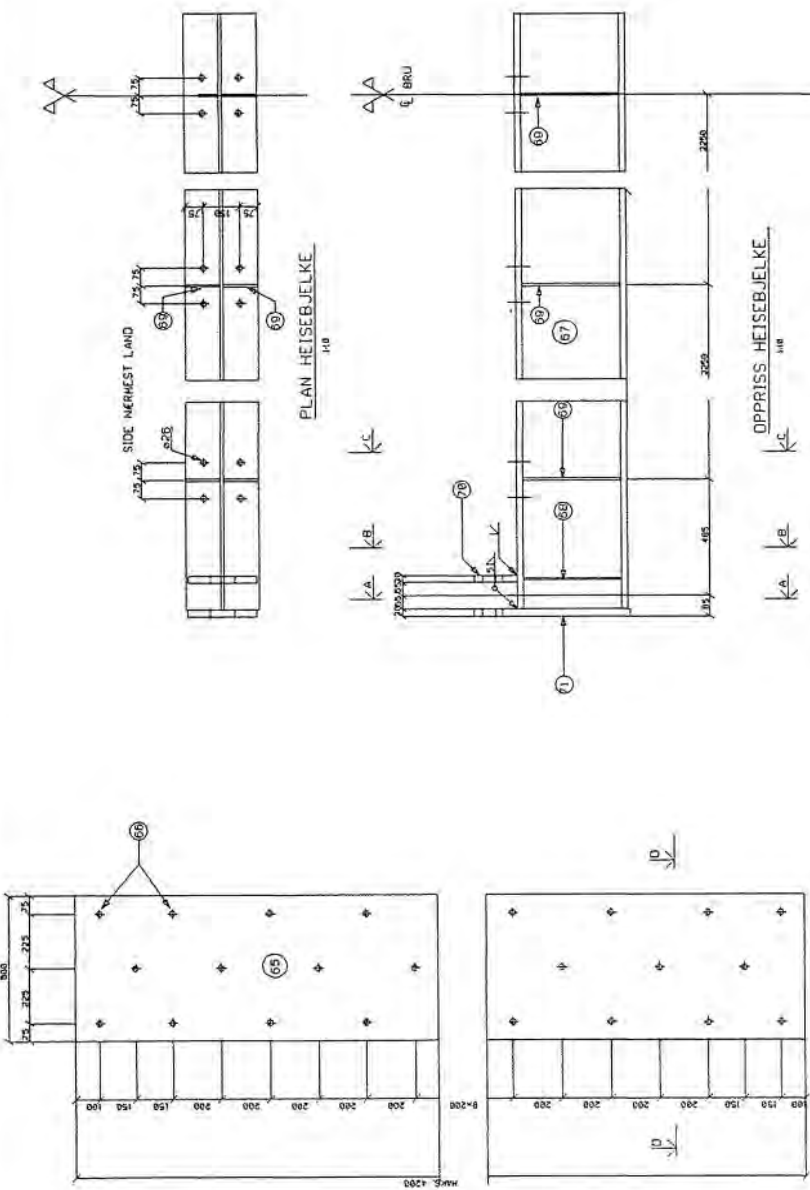
BEMERKNINGER:

- POS. NR. 138 MA ANVENDES I BUNTK HØYDE SLIK AT AVVIK I HØYDE HELLOM DE EMELTE LAGRE SKAL VERE MAX. 3 mm FRA HØYESTE TIL LAVESTE LAGER.
- DET LAGES I STK. PLATE POS. NR. 139 SOM VIST PÅ TEIENING DC I STK. SPELLENGT DN Æ BRUKAR.

| BRUKS-
GRUPPE | LEDA POS. 141 TIL 135, LANA, TROK. POS. 131, 13, 36 | BRUKS-
GRUPPE | ST. |
|---------------------------------------------|-----------------------------------------------------|------------------|-----|
| STATENS
VEGVESEN | 120 | 120 | 11 |
| Standard for Jekkebruj 9 x 15 | 118 | 118 | 10 |
| INNSTAMPINGSDOS VED LANDKAR.
BRULLAGERE. | 118 | 118 | 10 |
| Vedvarende tekn. utv. av-
H.T. 008/ud | 118 | 118 | 10 |
| 0-Kjølpe | 118 | 118 | 10 |
| 1200 | 118 | 118 | 10 |

| BRUKS-
GRUPPE | LEDA POS. 141 TIL 135, LANA, TROK. POS. 131, 13, 36 | BRUKS-
GRUPPE | ST. |
|---------------------------------------------|-----------------------------------------------------|------------------|-----|
| STATENS
VEGVESEN | 120 | 120 | 11 |
| Standard for Jekkebruj 9 x 15 | 118 | 118 | 10 |
| INNSTAMPINGSDOS VED LANDKAR.
BRULLAGERE. | 118 | 118 | 10 |
| Vedvarende tekn. utv. av-
H.T. 008/ud | 118 | 118 | 10 |
| 0-Kjølpe | 118 | 118 | 10 |
| 1200 | 118 | 118 | 10 |

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT L kg | STÅL-
KVAL | MERKING |
|-----------|-------------|----------------|-----------|---------------|--------------|
| 65 | PLATE | 4200 600 12 | 537 475 | RSL 37-2 | |
| 66 | KANSTAL T12 | 400 - - | 4 | A50015 | |
| 67 | HE4588 | 10000 | 1724 | EL 52-3 | 1000 TERNING |
| 68 | PLATE | 300 133 10 | 4 | RSL 37-2 | |
| 69 | PLATE | 300 143 10 | 5 | RSL 37-2 | |
| 70 | PLATE | 175 200 30 | 10 | RSL 37-2 | |
| 71 | PLATE | 535 200 30 | 10 | RSL 37-2 | |
| SUM | | | | 2280 | |

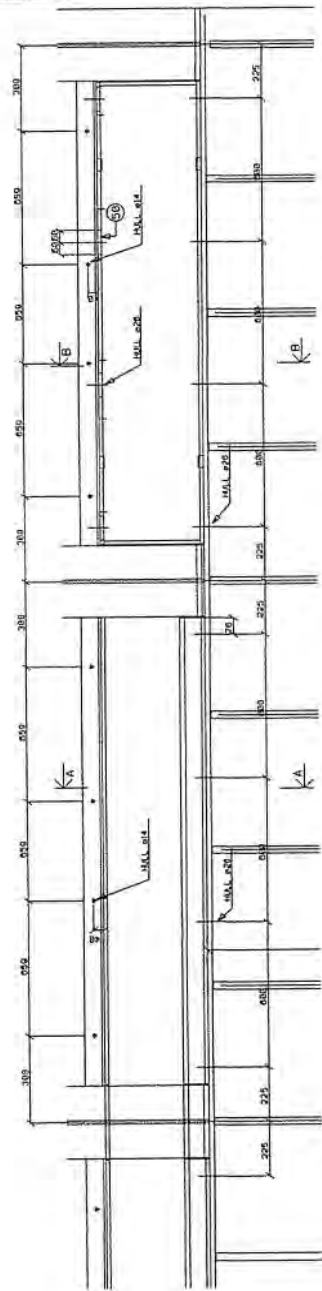


BEMERKNINGER:

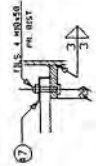
- FØR FESTE FOR HYDRAULIKKYLINDER LAGES SKAL STÅLVERKSTED TA KONTAKT MED VEGONTOR/HYDRAULIKKLEVERANDER FOR Å KONTROLLERE AT FETEST PASSER TIL DEN SYLINDEREN SOM SKAL BRUKES.
2. * LENDE FOR POS. NR. 65 L = 1700+H2 (SE TEKN. 11)

| IBOEN | DIR. DIR. | REVISJON | DRUKT | DRUKT | DRUKT |
|-----------------------------------------------------------|-----------|----------|-------|---------|-------|
| | | | | | |
| STATENS VEGVESEN | | | | | |
| Standard ferjekobru 9 x 15 | | | | | |
| HEISEBJELKE OG INNSTEPT GLIDEPLATE FOR FREIRE SIDESTYRING | | | | | |
| *Hydraulikkylindere bransjete 010, 01000 | | | | | |
| K1708erud | | | | | |
| Dette er oppgitt | | | | | |
| 1/8 | | | | | |
| | | | | Bl. Nr. | Ø7A |

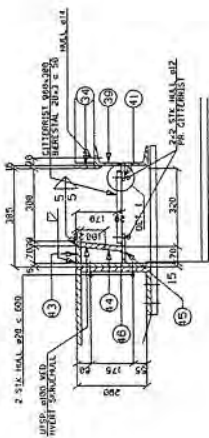
| POS. NR. | BENEVNELSE | DIMENSJONER mm
LUSK
BREKKE
TREK. | VEKT I kg
KVAL.
RS1-37-2 | STÅL-
MERNMÅT |
|----------|------------|-------------------------------------------|--------------------------------|------------------|
| 42 | PLATE | 1948 180 15 | 23 92 | RS1-37-2 |
| 43 | PLATE | 1948 70 20 | 43 | RS1-37-2 |
| 44 | PLATE | 1948 185 20 | 57 113 | RS1-37-2 |
| 45 | PLATE | 1948 120 15 | 28 55 | RS1-37-2 |
| 46 | PLATE | 1948 280 15 | 67 133 | RS1-37-2 |
| 47 | PLATE | 180 50 2 | 81 1 | RS1-37-2 |
| 48 | PLATE | 380 100 15 | 5 10 | RS1-37-2 |
| 49 | PLATE | 1948 400 15 | 97 103 | RS1-37-2 |
| 50 | PLATE | 180 15 2 | 10 | RS1-37-2 |
| | | SUM | 659 | |



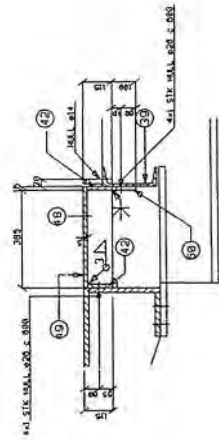
PLAN
110



DETALJ I
15



SNITT A-A
110



SNITT B-B
110

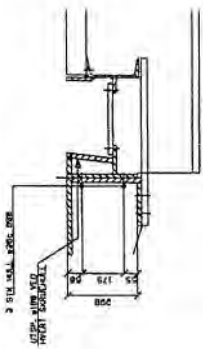
BEMERKNINGER:
1. FOR GITTERST. SE TEKN. I.3

| REGNR | DRAG | STORRELSE | PL. NR. | BL. NR. I. 13 | BL. NR. |
|-------------------------------|------|---------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|---------------|
| | DR | STORRELSE <td>PL. NR. I. 13 <td>BL. NR. I. 13 <td>BL. NR. I. 13 </td></td></td> | PL. NR. I. 13 <td>BL. NR. I. 13 <td>BL. NR. I. 13 </td></td> | BL. NR. I. 13 <td>BL. NR. I. 13 </td> | BL. NR. I. 13 |
| STATENS VEKSELEN | | | | | |
| Standard fer-jekelbru. 9 x 15 | | | | | |
| PANELER BAK FRONTJELKE | | | | | |
| Målestok: 1:20 | | | | | |
| Dokumentnr. 13092 | | | | | |
| 13092 | | | | | |
| 13092 | | | | | |
| 91 7 06A | | | | | |

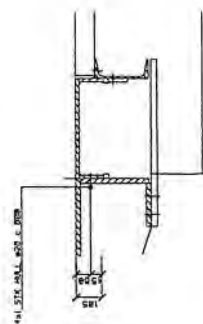
| POS | ANT | BENEVLISE | DIMENSJONER mm | | VEKT I kg | | STYL | MÆRKNING |
|-----|-----|-----------|----------------|--------|-----------|------|------|--------------|
| | | | LØDSE | INDVIK | ST. A. 1 | KVAL | | |
| 51 | 1 | PLATE | 8078 | 478 | 28 | - | 079 | VOROK KNEKES |
| 52 | 1 | PLATE | 8208 | 880 | 28 | - | 1265 | RSL 37-2 |
| 53 | 1 | PLATE | 8208 | 102 | 48 | - | 468 | HAROK 488 |
| 54 | 1 | PLATE | 8208 | 286 | 28 | - | 468 | RSL 37-2 |
| 55 | 1 | PLATE | 8208 | 188 | 28 | - | 293 | // |
| 56 | 2 | PLATE | 871 | 65 | 28 | 22 | 43 | // |
| 57 | 8 | PLATE | 871 | 65 | 28 | 14 | 187 | // |
| 58 | 3 | PLATE | 875 | 208 | 38 | 31 | 255 | // KNEKES |
| 59 | 2 | PLATE | 875 | 308 | 38 | 48 | 143 | // KNEKES |
| 60 | 2 | PLATE | 871 | 135 | 38 | 22 | 43 | // |
| 61 | 11 | PLATE | - | - | 38 | 50 | 618 | // |
| 62 | 8 | PLATE | - | - | 38 | 80 | 412 | // |
| 63 | 2 | ANSELSKOP | 212 | 415 | - | - | - | // KNEKES |
| 64 | 4 | PLATE | 58 | 28 | 28 | 82 | 1 | // |
| | | | | | SUM | 4883 | | |

BEMERKNINGER:

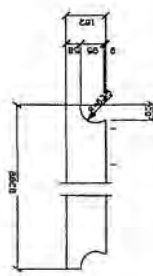
1. FOR SNITTENS BELIGGENHET, SE TECKN. B0+1



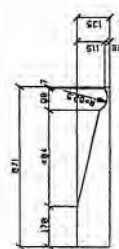
SNITT VIII-VIII
1:10



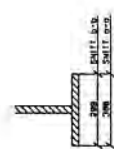
SNITT IX-IX
1:10



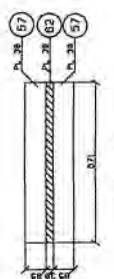
POS. 53
1:10



POS. 56
1:10



1:10



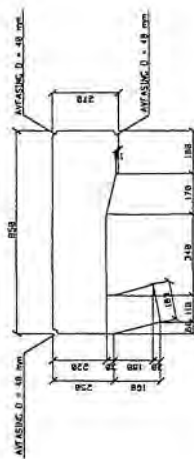
POS. 57
1:10



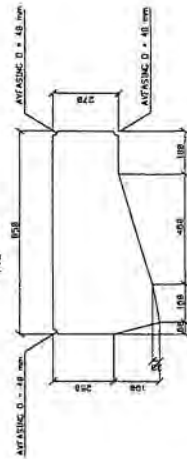
POS. 58
1:10



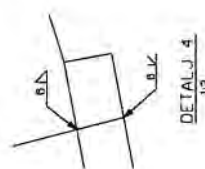
POS. 59
1:10



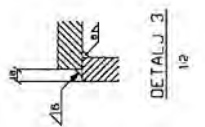
POS. 61
1:10



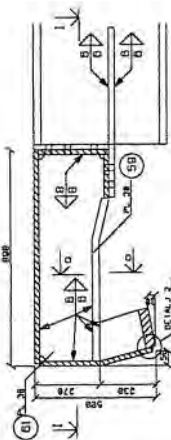
POS. 62
1:10



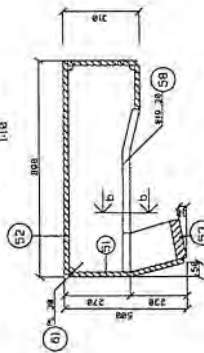
DETALJ 4
1:2



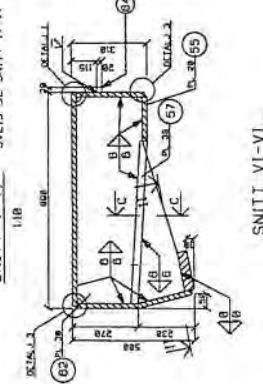
DETALJ 3
1:2



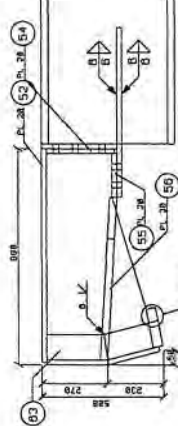
SNITT IV-IV
1:10



SNITT V-V SVEIS SE SNITT IV-IV

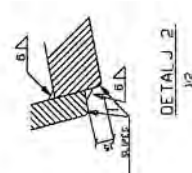


SNITT VI-VI
1:10

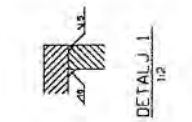


SNITT VII-VII
SVEIS SE SNITT VI-VI

1:10



DETALJ 2
1:2



DETALJ 1
1:2

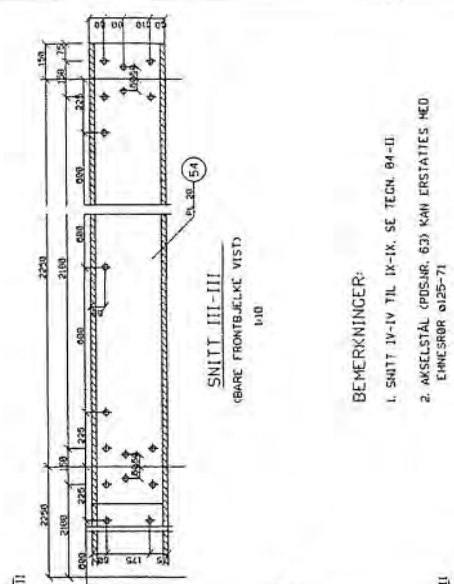
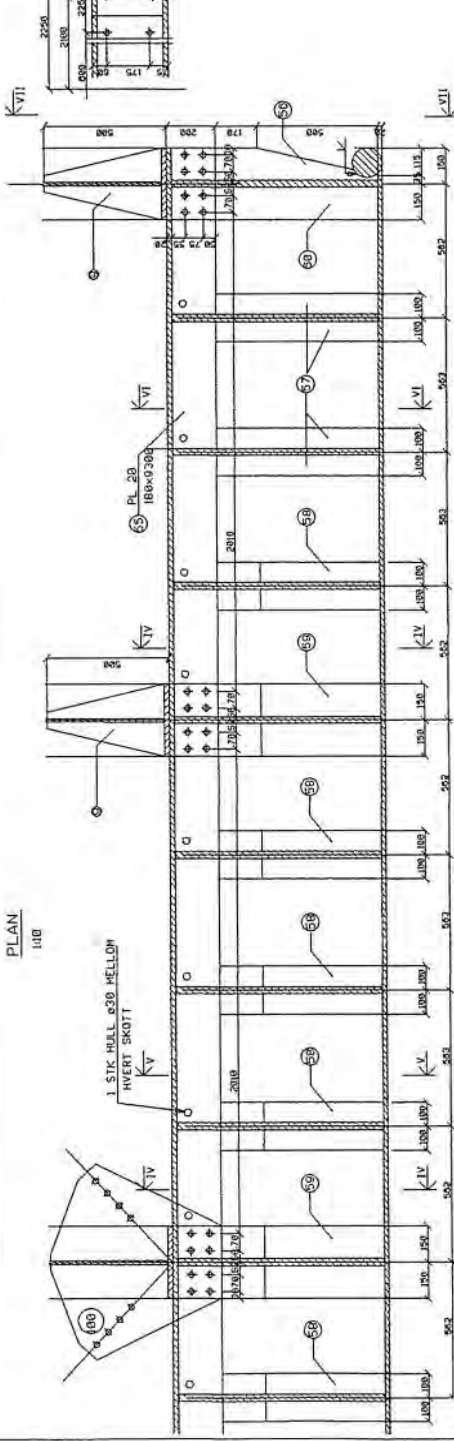
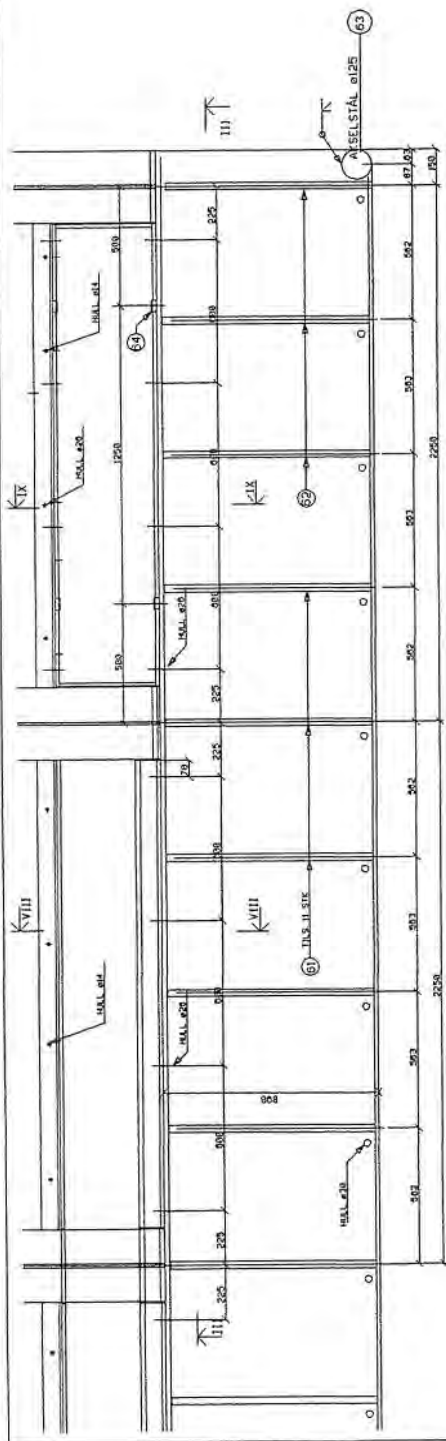
| PROJ. NR. | BYG. NR. | BYG. N. | BYG. N. |
|-----------|----------|---------|---------|
| 110 | 108 | 108 | 108 |

| PROJ. NR. | BYG. NR. | BYG. N. | BYG. N. |
|-----------|----------|---------|---------|
| 110 | 108 | 108 | 108 |

| STATENS VEKSELEN | |
|------------------------------|------|
| Standard Per Jekobrui 8 x 15 | NA 1 |

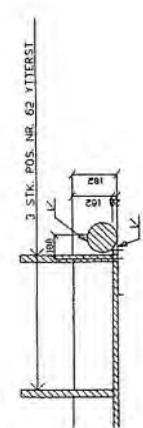
| FRONTBUKKE | DETAILER, PLATER OG MATERIALISTE |
|-------------------------------------|----------------------------------|
| Vegetabilisk behandling, Olo-Ju-108 | H.T. Ødemud |
| H.T. Ødemud | Ø-kjølpe |

| DRUKNING NR. | BYG. N. | BYG. N. |
|--------------|---------|---------|
| 91 | 7 | Ø4-11A |

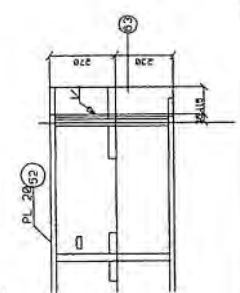


SNITT III-III
(BARE FRONTBJELKE VIST)
1:10

BEMERKNINGER:
1. SNITT IV-IV TIL IX-IX. SE TECH. 04-II.
2. ANSELTAL (POSUR. 63) KAN ERSTATTES MED EHMESRØR Ø125-71



SNITT I-I
1:10

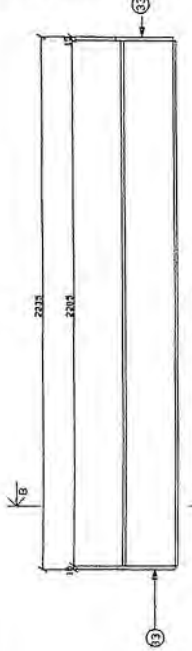


SNITT II-II
1:10

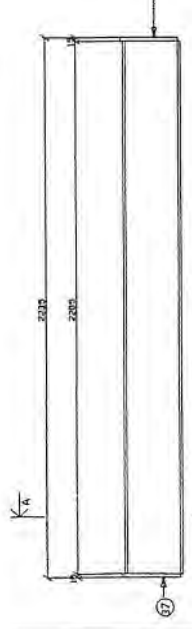
OPPRISS
1:10

| PROSJEKT | | | MÅLSTAV | |
|-------------------------------------|------------------|----------|---------|---------|
| NO. / | AVVIK | REVISJON | MAST | ST. NR. |
| | STATENS VEGVESEN | 140 | 1:10 | 7 |
| Standard for Jekalbrui 9 x 15 (M) | | | | |
| FRONTBJELKE MED DETALJER | | | | |
| Fagkonsultant: <i>Arne, Juni-68</i> | | | | |
| HT: <i>Edvard Øglø</i> | | | | |
| 91 | | | 7 04-1 | |

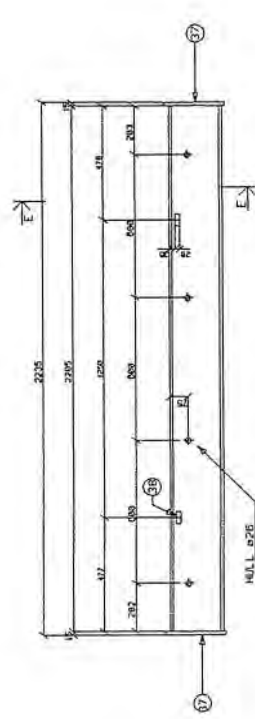
| POS. ANT. | BENEVLSE | DIMENSJONER, mm | | VEKT I LØS | STÅL-
KVAL. | MERKNER |
|-----------|------------|----------------------|------------|------------|----------------|---------|
| | | AVG. BREKKE
TUNN. | PL. BREDDE | | | |
| 33 | 16 PLATE | 240 | 250 | 7 | RSt. 37-2 | - |
| 34 | 2 PLATE | 1040 | 100 | 23 | RSt. 37-2 | - |
| 35 | 8 HE 240A | 2205 | - | 133 | 1064 RSt. 37-2 | - |
| 36 | 48 IPE 240 | 2205 | - | 68 | 3250 RSt. 37-2 | - |
| 37 | 162 PLATE | 250 | 200 | 6 | RSt. 37-2 | - |
| 38 | 4 PLATE | 50 | 38 | 20 | RSt. 37-2 | - |
| 39 | 4 UNP 220 | 2205 | - | 85 | RSt. 37-2 | - |
| 40 | 2 PLATE | 250 | 200 | 6 | RSt. 37-2 | - |
| 41 | 2 PLATE | 1040 | 100 | 14 | RSt. 37-2 | - |
| | | SUK | | 6376 | | |



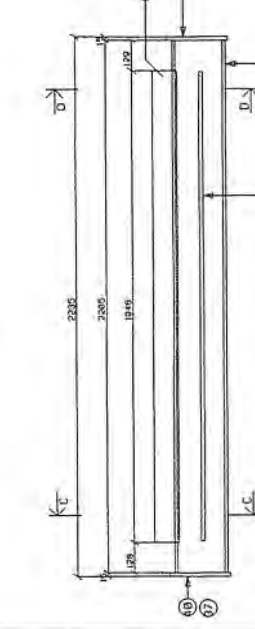
OPPRISS HE 240A
1/10



OPPRISS IPE 240
1/10



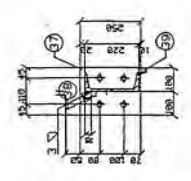
OPPRISS UNP 220
(2 STK.)
1/10



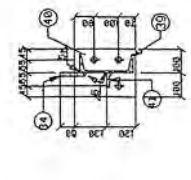
OPPRISS UNP 220
(2 STK.)
1/10

BEMERKNINGER:

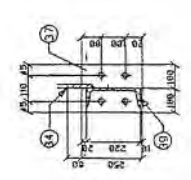
- 1. ALLE HULL Ø20
- 2. HULL I NEDRE FLENS VED PLATE POS. NR. 90 OG 06 IFLG. TEKN. 05-1.
- 3. HULL FOR FESTE AV CITERRISTER BORES PÅ STØET IHTT. TEKN. 12.



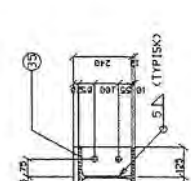
SNITT E-E
1/10



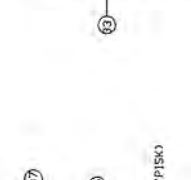
SNITT D-D
(NOT BULKE TYPE 3)
1/10



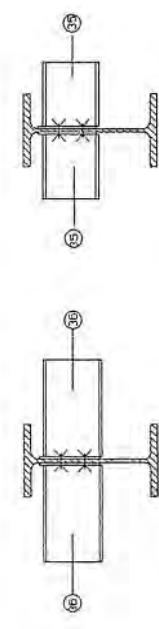
SNITT C-C
(NOT BULKE TYPE 2)
1/10



SNITT B-B
1/10



SNITT A-A
1/10



OPPRISS IPE 240
(TYPISK)
1/10

OPPRISS HE 240A
(TYPISK)
1/10

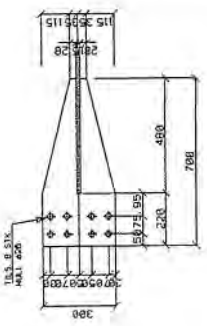
| DATE | REVISION | AVGITT AV | REVISJON | STATUS | |
|---------------------------------------|----------|-----------|----------|---------|---------|
| | | | | DRUKT | INNHOLD |
| | | | 1/10 | 1/10 | |
| STATENS VEGVESEN | | | | | |
| Standard for Jekalbr.: 9 x 15 | | | | | |
| TVERRBJELKER, PLATER, MATERIALLISTE | | | | | |
| Vegetarstatens brukning. Dns. Avst. H | | | | | |
| Bl. Nr. | | Bl. Nr. | | Bl. Nr. | |
| 91 | | 7 | | 03 | |

| POS. ANT. | BENEVNELSE | DIMENSJONER | | STÅL-
KVAL. | MERKEDER |
|-------------|------------|----------------------|-------------------|----------------|-----------|
| | | BR. SIK. I. L. A. L. | BR. SIK. I. L. K. | | |
| 1 | HE5588 | 2877 | 5254 | St. 52-2 | UF8-NORIK |
| 2 | HE5588 | 14455 | — | St. 52-3 | UF8-NORIK |
| 3 | HE5588 | 14455 | — | St. 52-3 | UF8-NORIK |
| 4 | PLATE | 272 | 103 | St. 52-3 | UF8-NORIK |
| 4B | PLATE | 127 | 103 | St. 52-3 | UF8-NORIK |
| 6 | PLATE | 358 | 188 | St. 52-3 | UF8-NORIK |
| 7 | PLATE | 308 | 178 | St. 52-3 | UF8-NORIK |
| 8 | PLATE | 310 | 300 | St. 52-3 | UF8-NORIK |
| 9 | PLATE | 708 | 308 | St. 52-3 | UF8-NORIK |
| 10 | PLATE | 288 | 263 | St. 52-3 | UF8-NORIK |
| 11 | PLATE | 255 | 308 | St. 52-3 | UF8-NORIK |
| 12 | PLATE | 888 | 488 | St. 52-3 | UF8-NORIK |
| 13A | PLATE | 346 | 263 | St. 52-3 | UF8-NORIK |
| 13 | PLATE | 492 | 263 | St. 52-3 | UF8-NORIK |
| 14 | PLATE | 158 | 120 | St. 52-3 | UF8-NORIK |
| 15 | PLATE | 609 | 263 | St. 52-3 | UF8-NORIK |
| 16 | PLATE | 323 | 271 | St. 52-3 | UF8-NORIK |
| 17 | PLATE | 308 | 308 | St. 52-3 | UF8-NORIK |
| 18 | PLATE | 488 | 322 | St. 52-3 | UF8-NORIK |
| 19 | PLATE | 840 | 358 | St. 52-3 | UF8-NORIK |
| 20 | PLATE | 305 | 288 | St. 52-3 | UF8-NORIK |
| 21 | PLATE | 228 | 78 | St. 52-3 | UF8-NORIK |
| 22 | PLATE | 80 | 48 | St. 52-3 | UF8-NORIK |
| 23 | PLATE | 320 | 104 | St. 52-3 | UF8-NORIK |
| 24 | PLATE | 750 | 750 | St. 52-3 | UF8-NORIK |
| 25 | PLATE | 488 | 178 | St. 52-3 | UF8-NORIK |
| 26 | PLATE | 840 | 358 | St. 52-3 | UF8-NORIK |
| 27 | PLATE | 305 | 288 | St. 52-3 | UF8-NORIK |
| 28 | PLATE | 220 | 230 | St. 52-3 | UF8-NORIK |
| 29 | PLATE | 320 | 105 | St. 52-3 | UF8-NORIK |
| 30 | PLATE | 300 | 140 | St. 52-3 | UF8-NORIK |
| 31 | PLATE | 720 | 750 | St. 52-3 | UF8-NORIK |
| 32 | PLATE | 308 | 178 | St. 52-3 | UF8-NORIK |
| SUM, UPPG37 | | | | | |

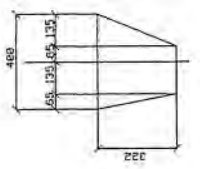
ØR ALLE DIMENSJONER I TABELL ER TEORETISKE MÅL.



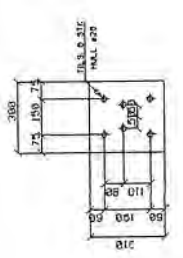
POS. NR. 4
POS. NR. 4B



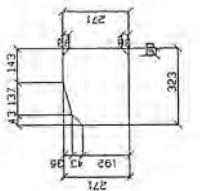
POS. NR. 9
110



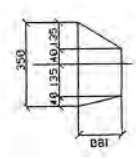
POS. NR. 18
110



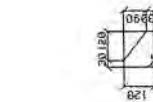
POS. NR. 8
110



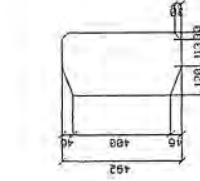
POS. NR. 16
110



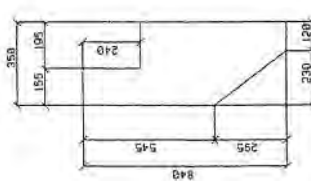
POS. NR. 5
110



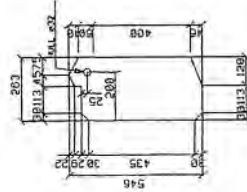
POS. NR. 14
110



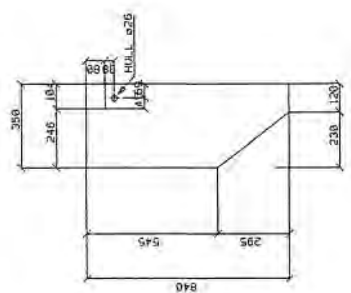
POS. NR. 13
110



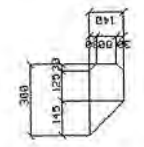
POS. NR. 26
110



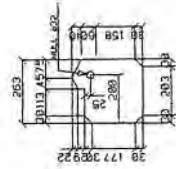
POS. NR. 13A
110



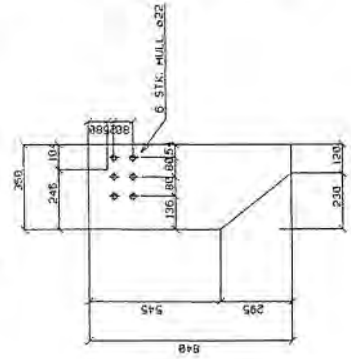
POS. NR. 19
(YTTERSIDE, 2 STK.)
110



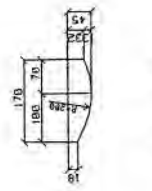
POS. NR. 30
110



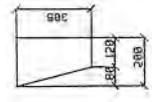
POS. NR. 10
110



POS. NR. 19
(DIMENSJONER, 2 STK.)
110

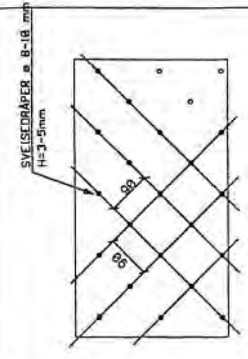


POS. NR. 27
110

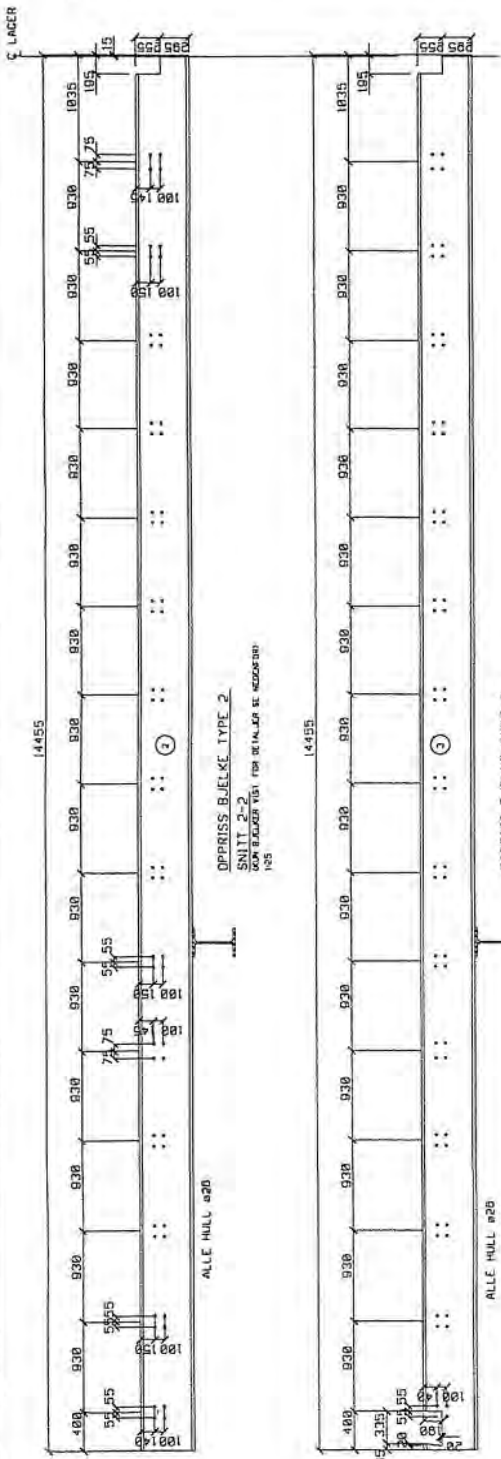


POS. NR. 20
110

| POS. NR. | TEORETISK MÅL I METER | BR. SIK. I. L. A. L. | BR. SIK. I. L. K. | STÅL-
KVAL. | MERKEDER |
|------------------------------------|-----------------------|----------------------|-------------------|----------------|----------|
| STATENS VEGVESEN | | | | | |
| Standard for jektebru: 9 x 15 | | | | | |
| HØYDEBELER, PLATER OG MATERIALISTE | | | | | |
| Vegvesenets brukning: 0-1-19-08 | | | | | |
| H. Loberud | | | | | |
| 0-19-08 | | | | | |
| 7 | | | | | |
| 02-1118 | | | | | |

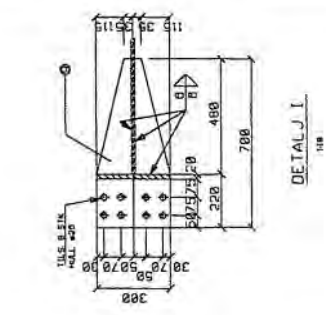


UITSNITT.
SVEISCDRAPER ØK ØVRE FLENS

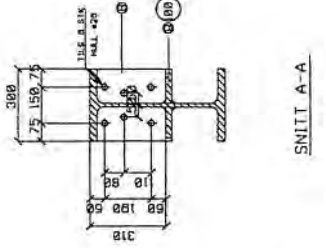


OPPRISS BJELKE TYPE 2
SNITT 2-2
OM BILDER FOR DETALJER SE MEDFORN
125

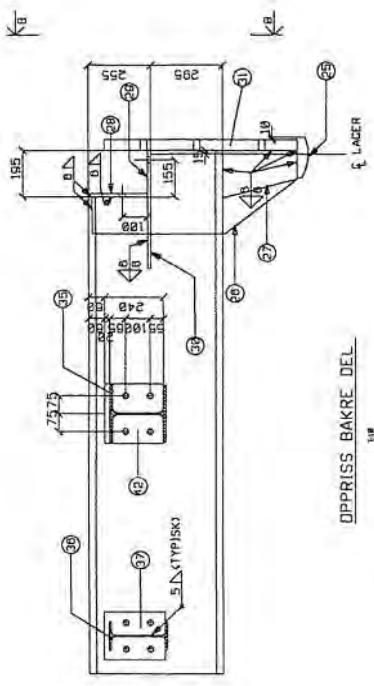
OPPRISS BJELKE TYPE 3
SNITT 3-3
OM BILDER VIST FOR DETALJER SE MEDFORN
125



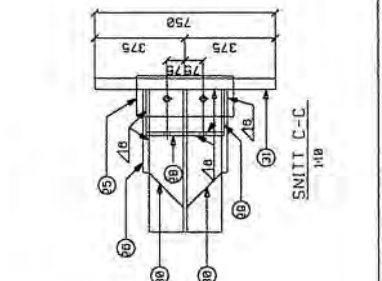
DETAIL J
118



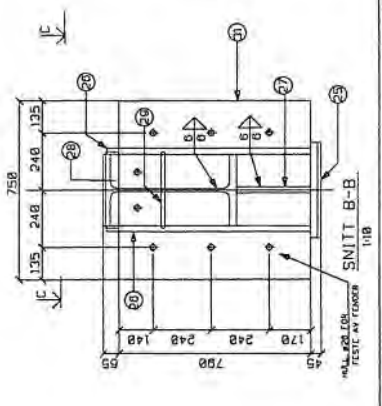
SNITT A-A
118



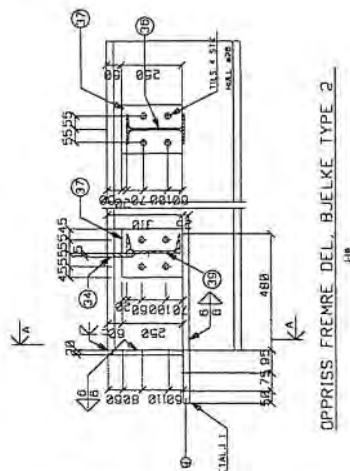
OPPRISS BAKRE DEL
118



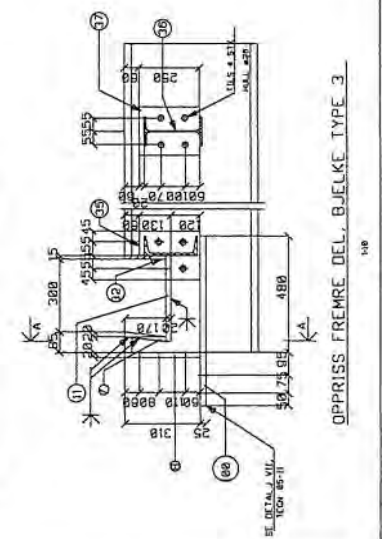
SNITT C-C
118



SNITT B-B
118



OPPRISS FEMRE DEL, BJELKE TYPE 2
118

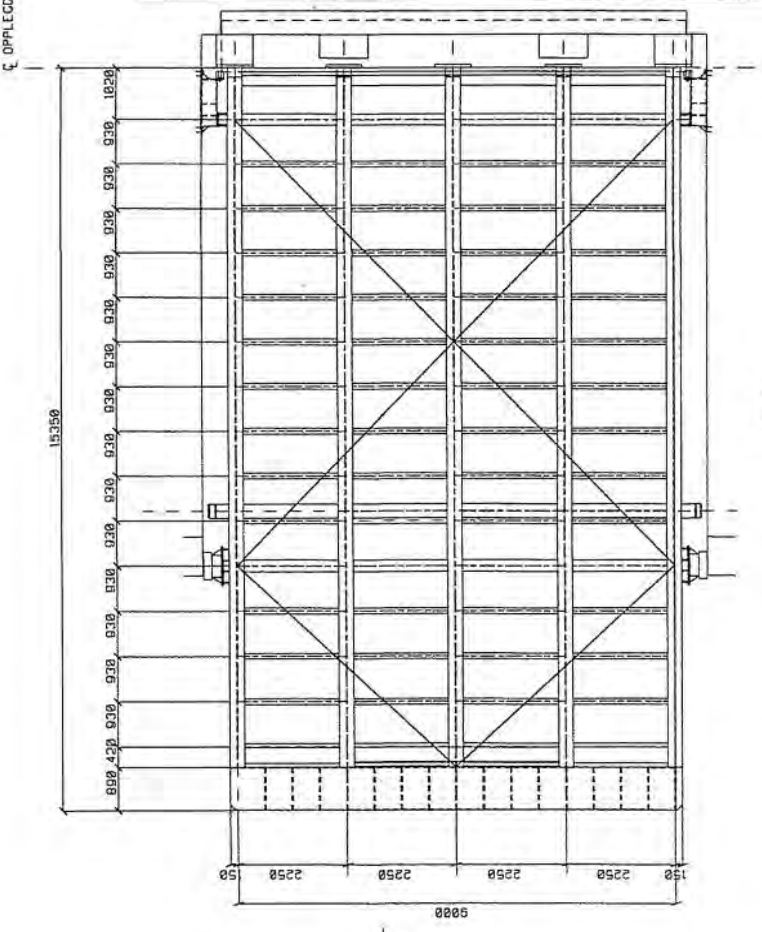


OPPRISS FEMRE DEL, BJELKE TYPE 3
118

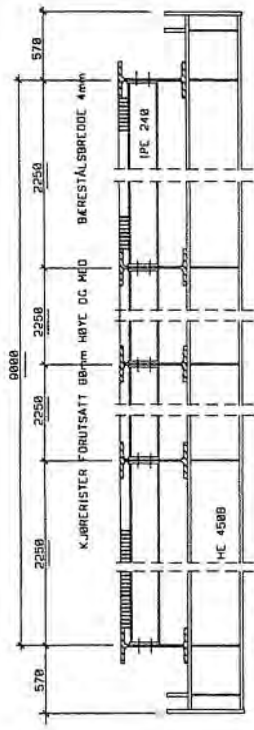
- BEMERKNINGER:
1. ALLE HULL Ø20
 2. HULL FOR HEISBJELKE, SE TEKN. 85-1
 3. FOR PLATER OG MATERIALISTE, SE TEKN. 82-III
 4. FOR KNUTEKUNSPLETTER FOR FAGVERK, SE TEKN. 85-II
 5. FOR TVERRBJELKER, SE TEKN. 83

| BEZÆL | DR. ENDR. | BRUK | DR. |
|---------------------------------|-----------|---------|-----|
| | | | |
| STATENS VEGVESEN | | | |
| Standard for jekelbru 9 x 15 | | | |
| INDRE HOVEDBJELKER MED DETALJER | | | |
| TEKNOLOGI | DR. ENDR. | BRUK | DR. |
| H. I. Østlund | | Økteppe | |
| 91 7 02-11A | | | |

Ø OPPLEGG VED HOR. BRU



PLAN
1:50

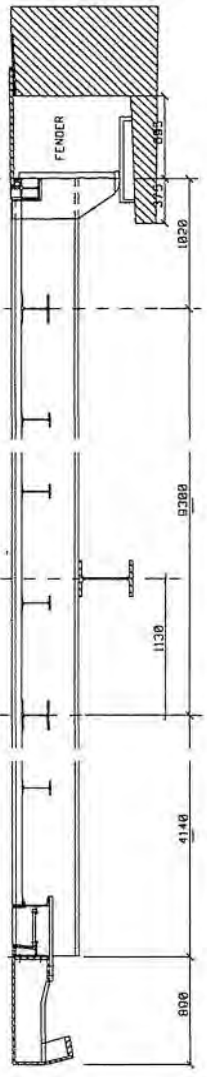


SNITT B-B
1:50

MATERIAL/TEGNINGSLISTE

| PIS. NR. | BENYTELSE | VEKT [kg] | TEGN. NR. |
|----------|----------------------------------|-----------|-----------|
| 1-32 | HØVUDJELKER | 10051 | 82-III |
| 33-41 | TVERRJELKER | 5376 | 83 |
| 42-50 | PANELER BAK FRONTJELKE | 8050 | 88 |
| 51-83 | FRONTJELKE | 4823 | 84-II |
| 85-73 | HEISEJELKE OG FREMRE SIDESTYRING | 2380 | 87 |
| 88-80 | KONSOLL OG DEKKPLATE VED LANDKAR | 567 | 80-II |
| 88-100 | FÅGVERK | 2381 | 85-II |
| 110-123 | BAKRE TVERRJELKE, OVERGANGSPRATE | 2464 | 88 |
| 128-141 | INNSTOPPINGSODS VED LANDKAR | 1879 | 80-I |
| 151-161 | HEISETÅRN | 2050 | 11 |
| 211-210 | RULLENDE SIDESTYRING | 355 | 18 |
| 221-248 | BRUOPPHEM | 213 | 17 |
| | SUM | 48888 | |

Ø OPPLEGG VED HOR. BRU



SNITT A-A
1:50

BEMERKNINGER:

1. VEKT AV SKRIVER ER IKKE INKLUDERT, SE TEGN. -14
2. VEKT AV FENDERE, SE TEGN. 88-III EVT. 80-IV

| PROJ. NR. | PROJ. DAT. | PROJ. NAVN | PROJ. STAD. | PROJ. DOK. | PROJ. FASE | PROJ. DAT. | PROJ. NAVN | PROJ. STAD. | PROJ. DOK. | PROJ. FASE |
|----------------------------------|------------|------------|-------------|------------|------------|------------|------------|-------------|------------|------------|
| STATENS VEGVESEN | | | | | | | | | | |
| Standard ferjekabru 9 x 15 | | | | | | | | | | |
| DIVERSE | | | | | | | | | | |
| Vegvesenets byggvesen, Div. 1018 | | | | | | | | | | |
| H.L. Østerud | | | | | | | | | | |
| D.K. Kjøppe | | | | | | | | | | |
| 1:50 | | | | | | | | | | |
| 91 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| Ø18 | | | | | | | | | | |

STANDARD FERJEKAIBRU, 9 x 15 m.

(Std. nr. 7)

TEGNINGSLISTE

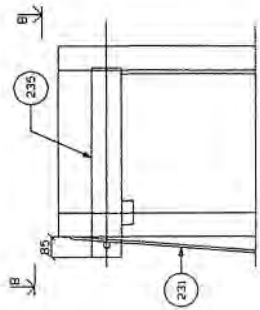
| | |
|-----------------|-----------------------------------------------------------|
| Bl. nr. 01B | Oversikt |
| Bl. nr. 02-IA | Ytre hovedbjelker med detaljer |
| Bl. nr. 02-IIA | Indre hovedbjelker med detaljer |
| Bl. nr. 02-IIIB | Hovedbjelker, plater og materialliste |
| Bl. nr. 03 | Tverrbjelker, plater, materialliste |
| Bl. nr. 04-I | Frontbjelke med detaljer |
| Bl. nr. 04-IIA | Frontbjelke, detaljer, plater og materialliste |
| Bl. nr. 05-I | Fagverk, plan |
| Bl. nr. 05-II | Fagverk, plater og materialliste |
| Bl. nr. 06A | Paneler bak frontbjelke |
| Bl. nr. 07A | Heisebjelke og innstøpt glideplate for fremre sidestyling |
| Bl. nr. 08A | Bakre tverrbjelke, overgangsplate |
| Bl. nr. 09-IB | Innstøpningsgods ved landkar, brulagre |
| Bl. nr. 09-II | Konsoll og dekkplate ved landkar |
| Bl. nr. 09-III | MV-fendere |
| Bl. nr. 09-IV | Sylinder- og konfendere |
| Bl. nr. 10 | Fremre sidestyling, rullende |
| Bl. nr. 11 | Heisetårn |
| Bl. nr. 12-IA | Brurekkverk |
| Bl. nr. 12-II | Rulleport |
| Bl. nr. 13 | Gitterrister |
| Bl. nr. 14 | Skruer, muttere og skiver for brukonstruksjon |
| Bl. nr. 15 | Betongmål |
| Bl. nr. 16 | Utstyr |
| Bl. nr. 17A | Bruoppheng for vedlikehold |

STANDARD FERJEKAIBRU

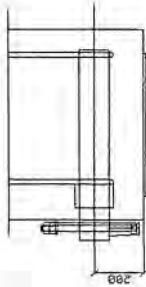
9 x 15 m.

(7)

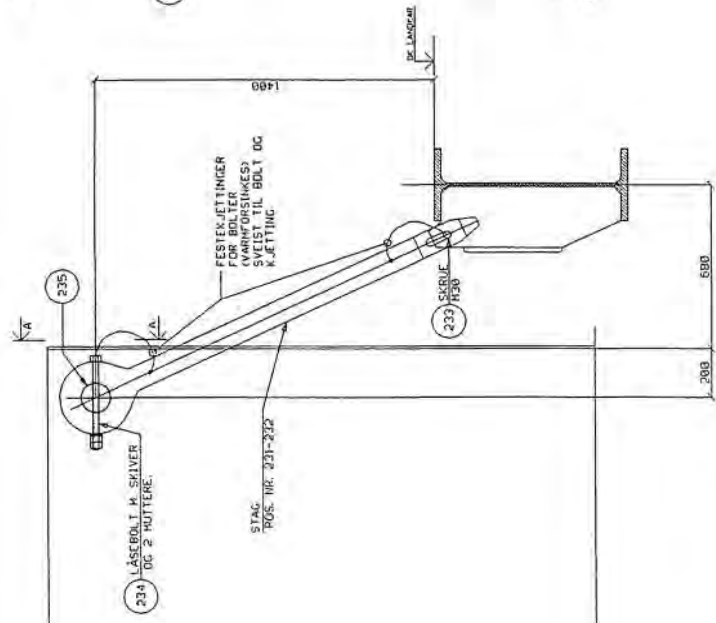
| POS. ANT. | BEMERKELSE | DIMENSJONER | | MÅL | VEKT I KG | STÅLKVALITET |
|-----------|-----------------|-------------|------|-----|-----------|----------------------|
| | | LODRE | TRK. | | | |
| 231 | 2 PLATE | 1880 | - | 18 | 17 | 34 St. S2-3 (Fe5100) |
| 232 | 4 PLATE | 104 | 88 | 8 | 1 | 4 St. S2-3 (Fe5100) |
| 233 | 2 SKRUE M10x130 | - | - | - | - | 2 B8 |
| 234 | 2 SKRUE M24x255 | - | - | - | - | 2 B8 |
| 235 | 2 SKRUE M24x255 | - | - | - | - | 2 B8 |
| 236 | 2 PLATE | 100 | 100 | 50 | 6 | 12 St. S2-3 (Fe5100) |
| 237 | 4 PLATE | 50 | 38 | 20 | - | 1 St. S2-3 (Fe5100) |
| 238 | 4 KAPSTÅL ø20 | 1500 | - | - | 4 | 10 K50B15 |
| SUM | | | | | 225 | |



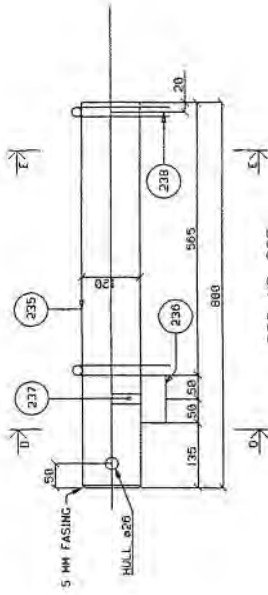
SNITT A-A
110



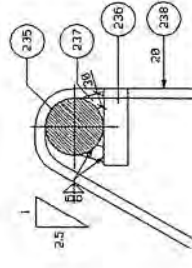
SNITT B-B
110



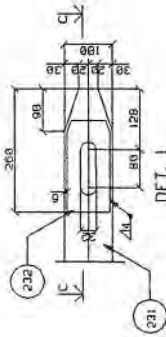
OPPRISS MOT FRONTSØYLE
110



POS. NR. 235
15



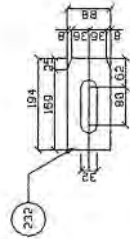
SNITT D-D
15



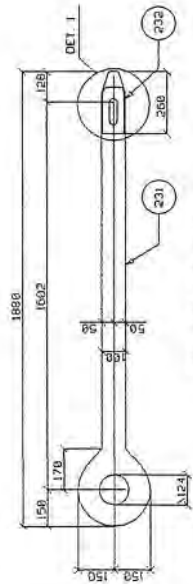
DET. 1
15



SNITT C-C
15



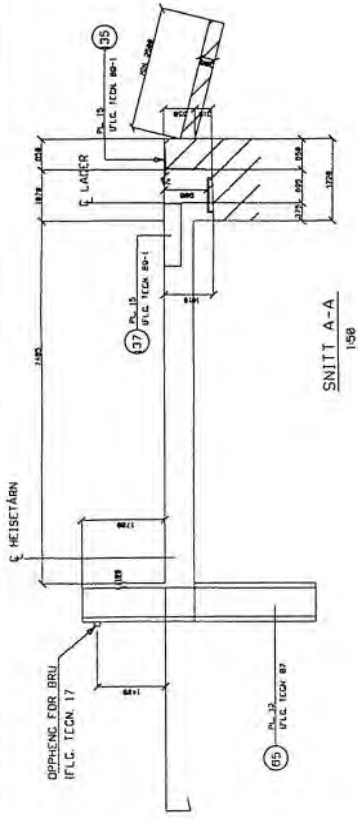
SNITT E-E
15



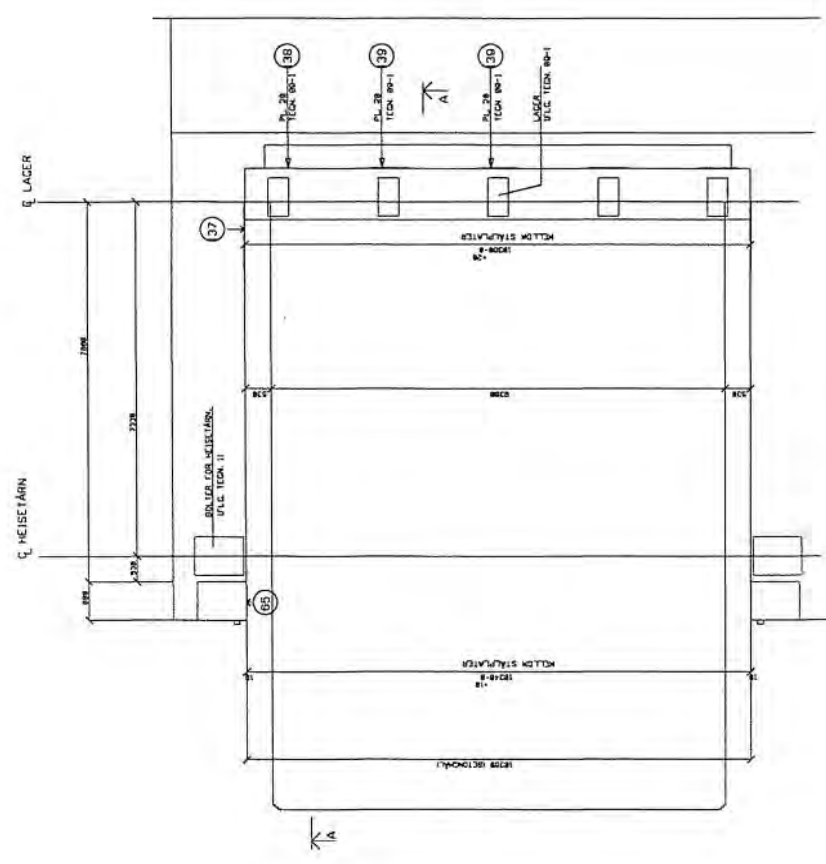
POS. NR. 231-232
110

BEMERKNING:
1. BRUPPENGET LAGES I SPEILVENDT UTFØRELSE FOR MOTSATT FRONTSØYLE.

| IBS204 | Div. Desk. | Ret. Løst | A | M | Kr. |
|-------------------------------------|------------|-----------|---|---|-----|
| STATENS VEGVESEN | | | | | |
| Standard for Jekkebru 9 x 12 | | | | | |
| BRUPPENG FOR VEDLIKEHOLD | | | | | |
| Vegveteratere bruvesing, 06.04.1966 | | | | | |
| H.T. Østerud | | | | | |
| 1966 | | | | | |
| Ver. for. St. nr. | | | | | |
| 92 6 17A | | | | | |



SNITT A-A
1:50



PLAN
1:50

BEMERKNINGER:
 I. BETONGARBEIDENE UTFØRES PÅ EN SLIK MÅTE AT RINGTVE TOLERANSEERVN KAN OPPNÅS.

| Dato | | Revisjon | | Arbeid | |
|------|--|----------|--|---------------------------------------|--|
| No | | Dato | | Arbeid | |
| 1:50 | | 11.05.82 | | STÅTENS VEGVESEN | |
| 1:50 | | 11.05.82 | | Standard Ferjekabru 9 x 12 | |
| 1:50 | | 11.05.82 | | BETONGMÅL | |
| 1:50 | | 11.05.82 | | Vegvesenets forordning, Oslo, Juni-86 | |
| 1:50 | | 11.05.82 | | N.T. Østremud | |
| 1:50 | | 11.05.82 | | DN Kløpper | |
| 1:50 | | 11.05.82 | | 1989 | |
| 1:50 | | 11.05.82 | | 91 6 15 | |

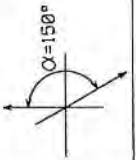
SKRUESPESIFIKASJON

| KONSTRUKSJONSDEL | DIMENSJON | ANTALL | FASTHETS-
KLASSE | KFR.
TEGN. |
|---------------------------------------|-----------|--------|---------------------|---------------|
| TVERRBJELKER/YTTERBJELKER | M24x65 | 96 | 8.8 | 02-I, 03 |
| TVERRBJELKER/INNERBJELKER | M24x80 | 143 | 8.8 | 02-II, 03 |
| FAGVERK/KNUTEPKT. | M24x80 | 88 | 8.8 | 05-I, 05-II |
| FAGVERK/KNUTEPKT. (DET. I, V, VII) | M24x90 | 24 | 8.8 | 05-I, 05-II |
| FRONTBJELKE/HOVEDBJELKER | M24x80 | 70 | 8.8 | 04-I, 04-II |
| FRONTBJELKE/BRACKETT | M24x70 | 32 | 8.8 | 04-I, 04-II |
| HEISEBJELKE/HOVEDBJELKER | M24x90 | 20 | 8.8 | 05-I, 07 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x60 | 12 | 8.8 | 02-I, -II, 08 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x70 | 12 | 8.8 | 02-I, -II, 08 |
| OVERGANGSPATE/HOVEDBJELKER | M24x80 | 2 | 8.8 | 02-I, -II, 08 |
| GITTERRISTER/TVERRBJELKER | M12x100 | 256 | 8.8 | 13 |
| GITTERRIST NR. 2 | M10x50 | 16 | 8.8 | 06 |
| KONSOLLER, BAKRE SIDESTYRING | M24x75 | 8 | 8.8 | 09-II |
| KONSOLLER, BAKRE SIDESTYRING (FENDER) | M24x80 | 2 | 8.8 | 09-II |
| REKKVERK/HOVEDBJELKER | M18x50 | 48 | 8.8 | 12 |

DIMENSJONER ETTER NS 5720/NS 5721 OG FASTHETSKLASSE 8.8 IFLG. NS 5750
 SEKSKANTMUTTERE IFLG. NS 5730 OG FASTHETSKLASSE 8 IFLG. NS 5751
 UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200
 SKRUER, MUTTERE OG SKIVER SKAL VÆRE I VARMFORSKINKET UTFØRELSE
 ALLE SKRUER SKAL HA UNDERLAGSSKIVE UNDER HODE OG MUTTER

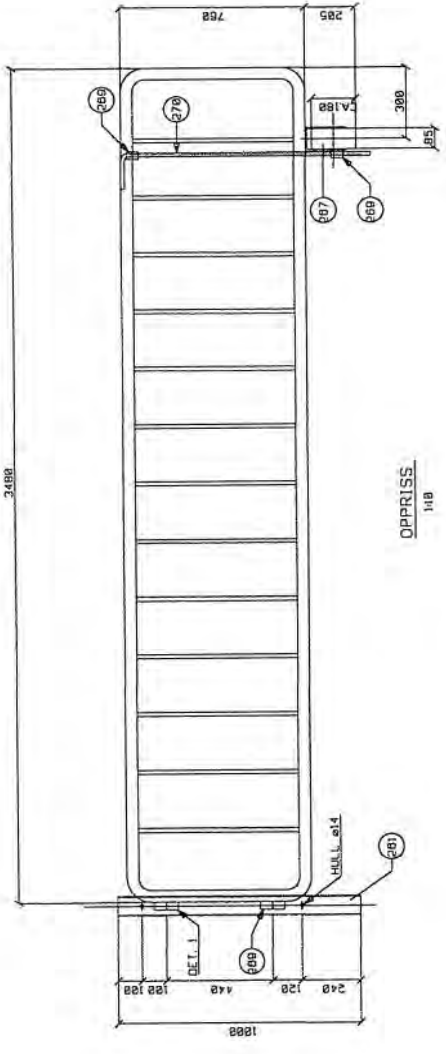
TILSETTING AV SKRUER:

SKRUENE SETTES FAST TIL FOR HÅND MED VANLIG NØKKELE, SLIK AT
 TILSTØTENDE FLATER LIGGER TETT SAMMEN (SNUG-TIGHT)
 PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
 PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
 I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EVT. SKRUEN)
 EN VINKEL $\alpha = 150^\circ$

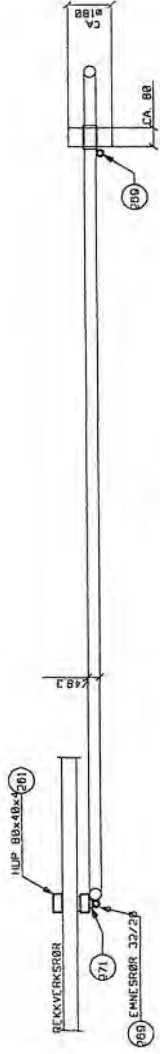


| Date | Rettelser | Merke | Rettet | Kfr. |
|--------------------------------------------------|-----------|-----------|----------|----------|
| | | Køleskakk | Tegn. II | 15.01.92 |
| | | | Kfr. HE | 15.01.92 |
| | | Mk. i | | |
| | | mm | | |
| Ersättning för: | | | | |
| STATENS VEGVESEN | | | | |
| Standard for jekaibru: 9 x 12 | | | | |
| SKRUER, MUTTERE OG SKIVER FOR
BRUKONSTRUKSJON | | | | |
| Vegdirektoratets bruavdeling, Oslo, Juni-96 | | St. Nr.: | | Bl. Nr.: |
| H.T.Øderud
(sign) | | 91 6 | | 14 |

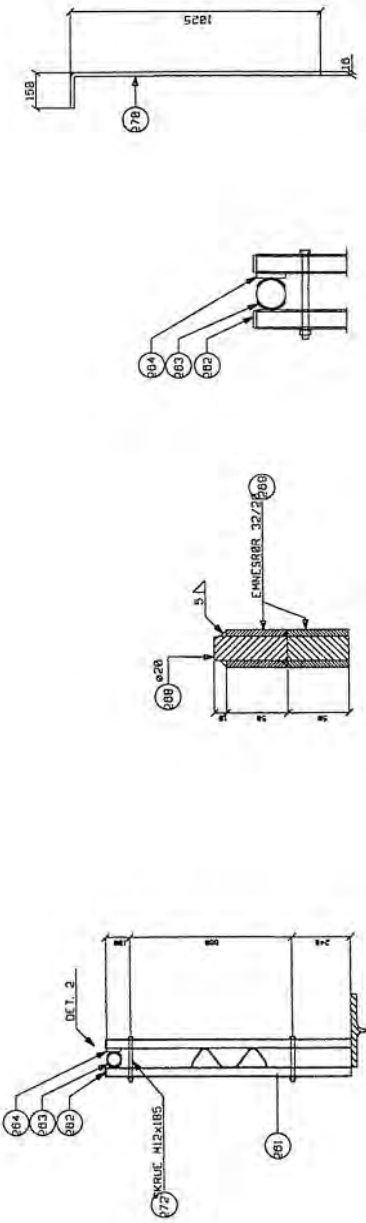
| POS. | ANT. | BENEKNELSE | DIMENSJONER | VEKT | STÅL | MERKNADER |
|------|------|----------------|-------------|------|----------|-----------|
| | | | L. B. H. T | KG | KVAL. | |
| 201 | 2 | KUPP BRX40x4 | 1800 | 7 | S1.44-3N | - |
| 202 | 2 | PLATE | 70 35 6 | - | RSL.37-2 | - |
| 203 | 4 | 1/1 RØR 761x32 | 88 88 16 | - | RSL.37-2 | - |
| 204 | 2 | PLATE | 850 | - | RSL.37-2 | - |
| 205 | 14 | ØR 48 3x3.0 | 683 | 13 | RSL.37-2 | - |
| 206 | 13 | RUNDSTÅL Ø16 | - | - | RSL.37-2 | - |
| 207 | 1 | KJUL AV NYLON | - | - | S1.52-3N | - |
| 208 | 2 | RUNDSTÅL Ø20 | 110 | - | RSL.37-2 | - |
| 209 | 6 | EMNESØR 32/28 | 50 | - | RSL.37-2 | - |
| 210 | 1 | RUNDSTÅL Ø16 | 1175 | - | RSL.37-2 | - |
| 211 | 2 | PLATE | 88 88 16 | - | RSL.37-2 | - |
| 212 | 2 | SKRUE M12x105 | - | - | S1.52-3N | - |
| SUM: | | | | 107 | | |



OPPRISS
118



PLAN
118



BEMERKNINGER:

1. HYOR IKKE ANNEEN SVEIS ER VISST, BRUKES KILSVEIS 4.

| Dato | Malte | Navn | Stilling |
|------|-------|------|----------|
| | | | |

| Bl. nr. | Bl. av. |
|---------|---------|
| 91 | 6 |

| Bl. nr. | Bl. av. |
|---------|---------|
| 12 | 11 |

STATENS VEGVESEN

Standard ferjekabru 9 x 12

RULLEPORT

Vegetabiliserte bøndering Ø16, 70-90

HT Bøndering

OKjøp

PLS. NR. 270

DET. 2

DET. 1

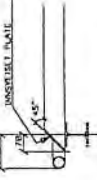
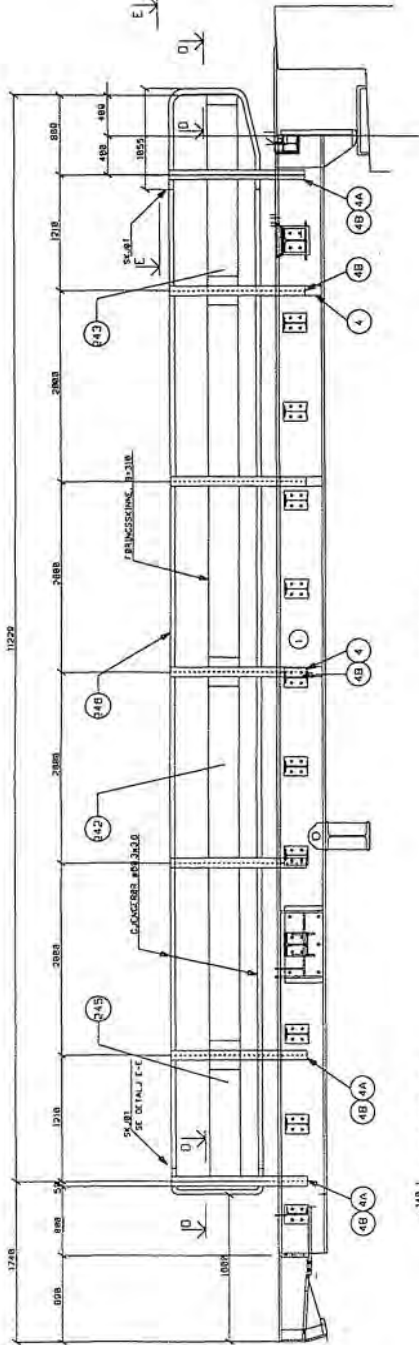
SNITT A-A

118

15

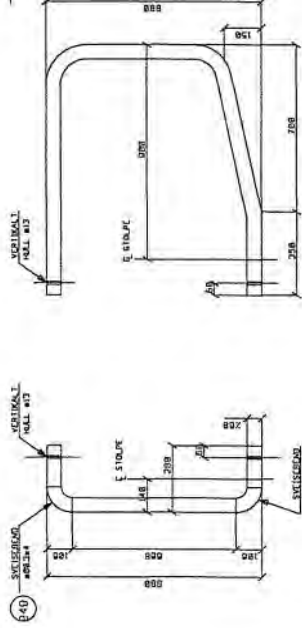
12

118



SNITT D-D
(KUN AVKORTET STANDARD ENDEAVSLUTNING ER VIST)
118

OPPRISS
129



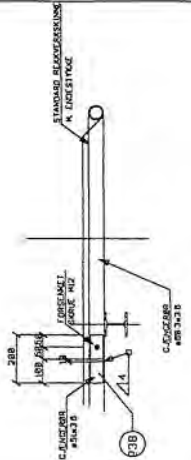
ENDEAVSLUTNINGER, REKKEVERSRØR
118

| POS | ANT. | BETEGNELSE | DIMENSJONER mm | VEKT | STÅL-
KVAL. | MERKNADER |
|-----|------|---------------------|-----------------|---------|----------------|-----------|
| | | | LENGDE
HØYDE | Ø
mm | RSL | |
| 241 | 4 | HE 180A | 1270 | 22 | 368 | RSL 37-2 |
| 242 | 4 | STANDARD REKKEVERSK | 4316 | 48 | 180 | RSL 37-2 |
| 243 | 2 | ENDESTYKKE/SKINNE | 2180 | 24 | 48 | RSL 37-2 |
| 245 | 2 | ENDESTYKKE/SKINNE | 1438 | 17 | 24 | RSL 37-2 |
| 246 | 1,4 | GJØNGERØR Ø80,3x3,0 | 58 | 252 | 84 | RSL 37-2 |
| 247 | 2,8 | FESTEKLEMMER | - | 3 | 84 | RSL 37-2 |
| 248 | 4 | GJØNGERØR Ø51,3x3,0 | 208 | 1 | 4 | RSL 37-2 |
| 249 | 4 | SVELTBEND Ø80,3x4 | - | 1 | 4 | RSL 37-2 |
| | | | | | SUM | 1028 |

SNITT B-B
(KUN STOLPE ER VIST)
118

SNITT A-A
TYVSK
118

SNITT E-E
(KUN STANDARD ENDEAVSLUTNING ER VIST)
118



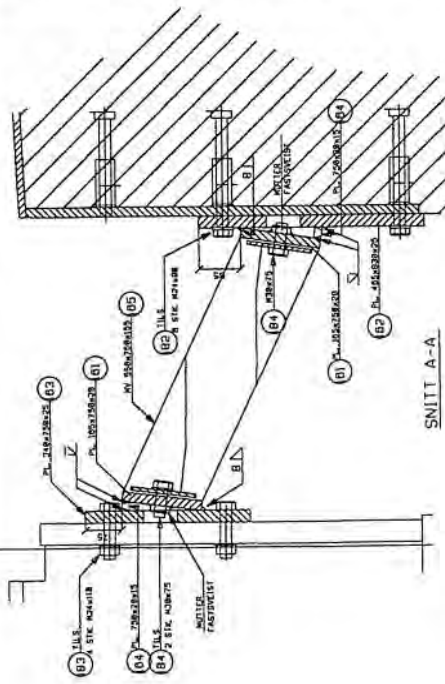
- BECKERNINGER:
1. STÅLKVALITET:
FØRINGSKINNE: S1, S2, 3
DØRBRUD: S1, 37, 2
 2. ALLE STÅLELER SKAL VARNFORSIKES V ZN NS 1078
TIL BELLECITYKKELESE MIN. 86µm
 3. FOR SKRIVER REKKEVERK-HØYDELEKER, SE ØVERSØKT TEGN.
ØVRIGE SKRIVER INKLUDERES I REKKEVERK.

| STATENS VECVESEN | | |
|-------------------------------------------|--------|--------|
| Standard ferjekolbru 9 x 12 | | |
| BRUREKKEVERK | | |
| Veiproprietær konstruksjon. Del. J.nr. 98 | | |
| H.T.B.Ørned (sps) | | |
| Driv | Bygge | Dr. |
| 10/2004 | 1/2004 | 1/2004 |
| 1/08 | 1/08 | 1/08 |
| Ikke forutsettning for | | |
| 1/08 | 1/08 | 1/08 |
| 91 | 6 | 12-18 |

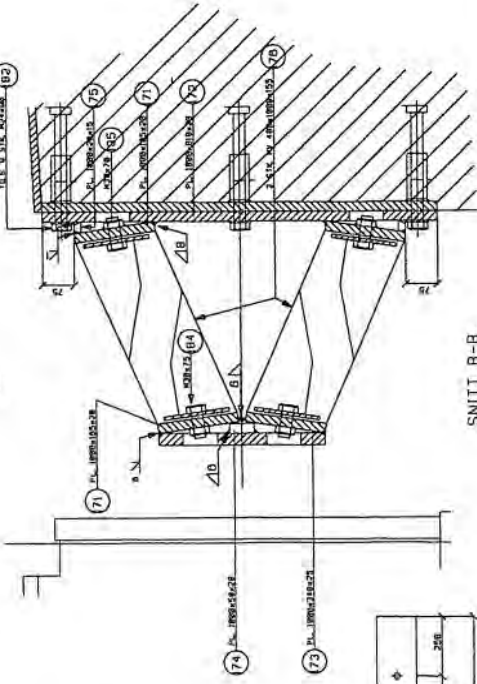
| POS. ANT. | BENEVNELSE | DIKENSJØNER mm | VEKT I kg | STÅL-
KVAL | MERKNØD |
|-----------|-----------------------|----------------|-----------|---------------|------------|
| 101 | PLATE | 750 105 20 | 19,4 78 | S337-2 | |
| 102 | PLATE | 930 465 25 | 75,7 162 | S337-2 | |
| 103 | PLATE | 750 348 25 | 59,1 181 | S337-2 | |
| 104 | PLATE | 750 28 15 | 1,8 7 | S337-2 | WALD SWL A |
| 105 | FENDER MV 550x250x155 | | | | |
| 171 | PLATE | 1000 105 20 | 25,9 287 | S337-2 | |
| 172 | PLATE | 1000 818 20 | 127,2 254 | S337-2 | |
| 173 | PLATE | 1000 348 25 | 65,7 134 | S337-2 | |
| 174 | PLATE | 1000 50 20 | 7,6 16 | S337-2 | |
| 175 | PLATE | 1000 28 15 | 2,4 10 | S337-2 | WALD SWL A |
| 176 | FENDER MV 400x1000x15 | | | | |
| 189 | SKRUE M 24x75 | | | | B B |
| 191 | FENDER MPP | 280 150 195 | | | TRELLEX |
| 182 | SKRUE M 24x80 | | | | B B |
| 183 | SKRUE M 10x110 | | | | B B |
| 184 | SKRUE M 30x75 | | | | B B |
| 185 | SKRUE M 30x78 | | | | B B |
| SUM | | | | | 959 |

BEKJÆMNINGER:

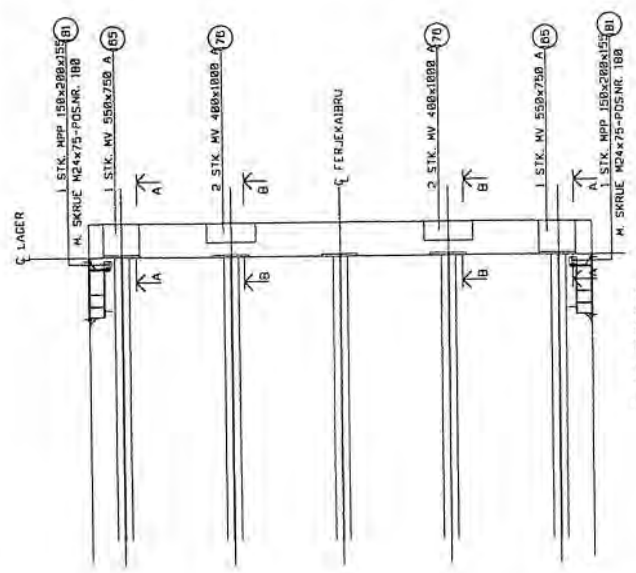
1. DUMPFENDER POSNR. 105 BØR MONTERES ETTER AN LEDE-PLATENE POSNR. 101 ER MONTERT PÅ PLASSFØRING



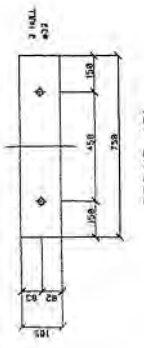
SNITT A-A
1:5



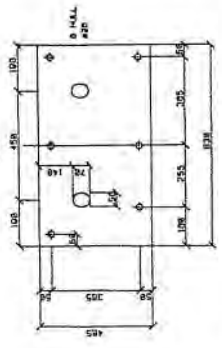
SNITT B-B
1:5



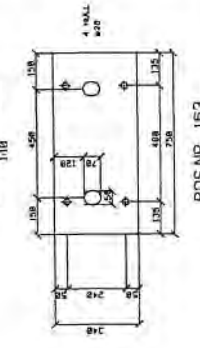
PLAN FENDERE
1:50



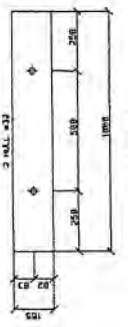
POS NR. 161
1:10



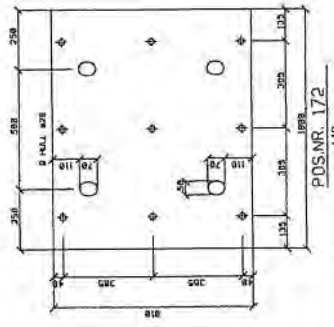
POS NR. 162
1:10



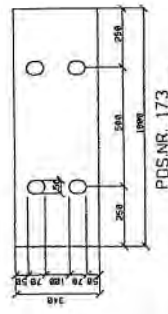
POS NR. 163
1:10



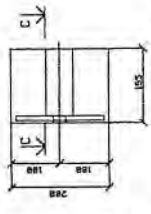
POS NR. 170
1:10



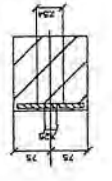
POS NR. 172
1:10



POS NR. 173
1:10



FENDER MPP 150x200x155
1:5



SNITT C-C
1:5

| DATE | REVISJON | BYGGER | PROJEKTANT | UTRUSTING | UTRUSTING | UTRUSTING |
|--------------------------------------|----------|--------|------------|-----------|-----------|-----------|
| | | | | | | |
| STATENS VEGVESEN | | | | | | |
| Standard for Jekkebru 9 x 15 | | | | | | |
| MV-FENDER | | | | | | |
| VEGKVALIFISERT BOMANLEG, DAT. APR-98 | | | | | | |
| K.T. Bøgerud | | | | | | |
| D.Kjølbye | | | | | | |
| 91 7 09-111 | | | | | | |

MATERIALLISTER (ANTALL PR. FENDER):

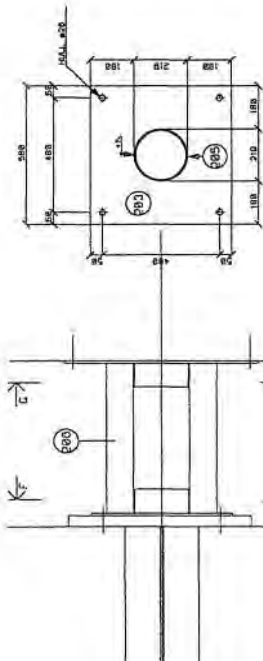
| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I KG | STÅL- KVAL | MERKNADER |
|-----------|-------------------|----------------|-----------|------------|------------|
| 181 | PLATE ø810 | 580 x 580 | 70,3 | RSt-37-2 | |
| 182 | PLATE ø805 | 580 x 580 | 47,2 | RSt-37-2 | |
| 183 | ØRØR ø208,5 | 75 | 8,4 | Ø | QUEENSLAND |
| 184 | GUMMFENDER EN 580 | - | - | - | Ø Ø |
| 185 | SKRIVER M24x100 | - | - | - | Ø Ø |
| 186 | SKRIVER M24x75 | - | - | - | Ø Ø |
| 187 | SKRIVER M24x50 | - | - | - | Ø Ø |
| SUM | | | | 137 | |

KONFENDER TRYKK

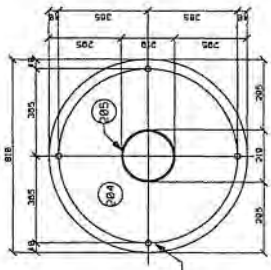
| | | | | | |
|-----|---|-------------------|---|---|------------|
| 280 | 1 | GUMMFENDER CN 580 | - | - | QUEENSLAND |
| 281 | 4 | SKRIVER M24x50 | - | - | Ø Ø |

SIRKULÆRE FENDER

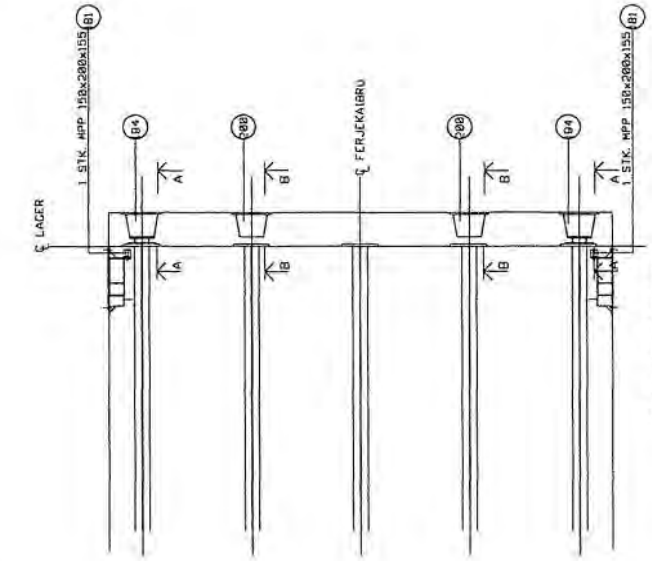
| | | | | | | | |
|-----|---|-----------------|-----|----|------|------|----------|
| 282 | 1 | PLATE | 580 | 10 | 26,4 | Ø 27 | RSt-37-2 |
| 283 | 1 | PLATE ø810 | - | 18 | 40,5 | 41 | RSt-37-2 |
| 284 | 1 | RØR ø219 | 100 | 5 | 3,2 | 4 | RSt-37-2 |
| 285 | 1 | GUMMFENDER ø450 | 015 | - | - | - | Ø Ø |
| 286 | 1 | SKRIVER M24x100 | - | - | - | - | Ø Ø |
| 287 | 4 | SKRIVER M24x75 | - | - | - | - | Ø Ø |
| 288 | 4 | SKRIVER M24x50 | - | - | - | - | Ø Ø |
| SUM | | | | 72 | | | |



SNITT F-F 110

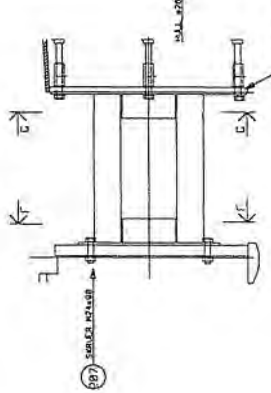


SNITT C-C 110

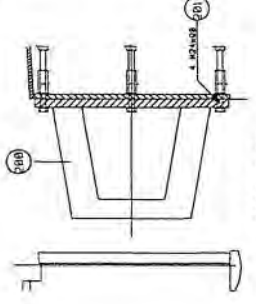


PLAN KONFENDER 118

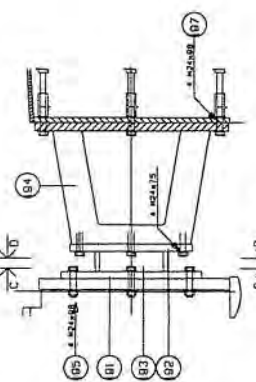
PLAN SYLINDERFENDER 118



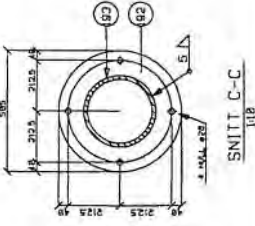
SNITT E-E 118



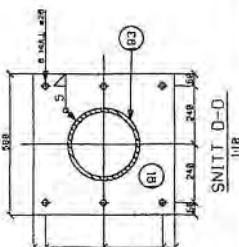
SNITT B-B 118



SNITT A-A 118



SNITT C-C 118

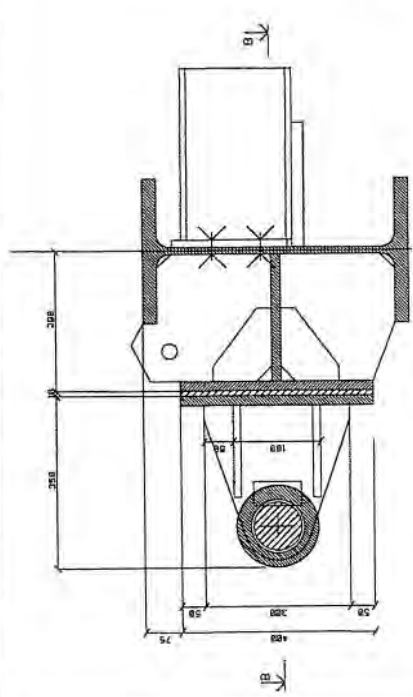
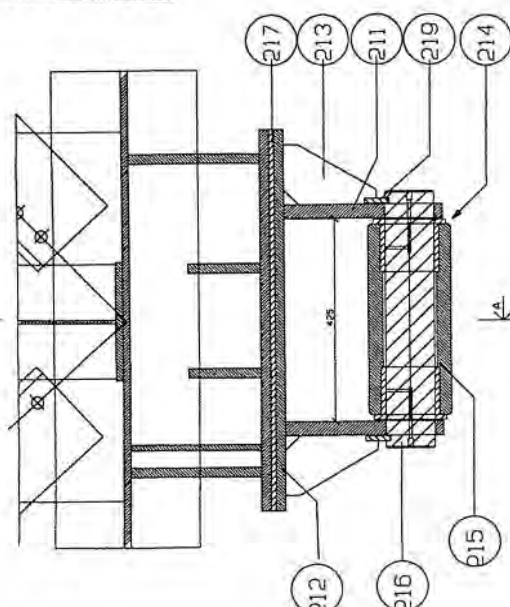


SNITT D-D 118

| Drage | Antall | Størrelse | Antall | Drage |
|---------------------------------|--------|-----------|--------|-------|
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |
| Drage | Antall | Størrelse | Antall | Drage |
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |
| Drage | Antall | Størrelse | Antall | Drage |
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |
| Drage | Antall | Størrelse | Antall | Drage |
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |

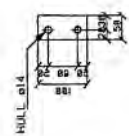
| Drage | Antall | Størrelse | Antall | Drage |
|---------------------------------|--------|-----------|--------|-------|
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |
| Drage | Antall | Størrelse | Antall | Drage |
| STATENS VEGVESEN | | | | |
| Standard for Julebru, 9 x 15 | | | | |
| SYLINDER- OG KONFENDER | | | | |
| VEGFAKURETTE BRUKNING, Ø118x118 | | | | |
| HT-Østerud | | | | |
| Ø118 | | | | |
| Drage nr. | | | | |

| POS | ANT. | BEMERKNELSE | DIMENSJONER | VEKT | STÅL-KVAL | MERKNADER |
|-----|------|-------------------|-------------|--------|-------------------|-----------|
| | | I mm | | I kg | | |
| | | | LAGERHØI | PLATTE | LAGER | |
| 211 | 4 | PLATE | 325 368 | 14,2 | RSL-37-2 | |
| 212 | 2 | PLATE | 888 488 | 15 | RSL-37-2 | |
| 213 | 8 | PLATE | 108 125 | 15 | RSL-37-2 | |
| 214 | 4 | METALLFORING Ø158 | --- | 3,5 | RSL-37-2 | |
| 215 | 2 | EMKESØRER 178x118 | --- | 33,8 | RSL-37-2 | |
| 216 | 2 | AKSELER Ø188 | --- | 33,3 | SVETSAET S16 2343 | |
| 217 | 2 | PLATE | 888 488 | 18 | RSL-37-2 | |
| 218 | 4 | PLATE | 188 58 | 10 | RSL-37-2 | |
| 219 | 2 | SKRUE M24x78 | --- | --- | 8,8 | |
| 220 | 8 | SKRUE M16x48 | --- | --- | 8,8 | |
| | | | | SUM | 355 | |

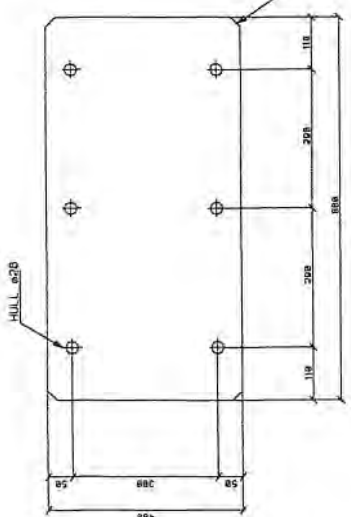


SNITT A-A
15

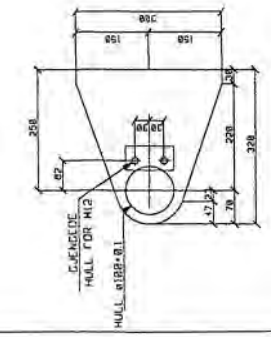
SNITT B-B
15



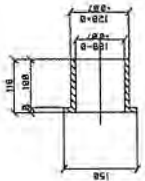
POS NR 219
15



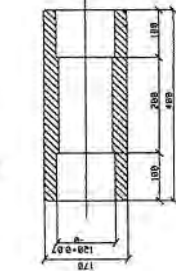
POS NR 212 OG 217
15



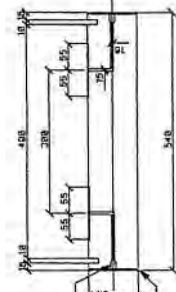
POS NR 211
15



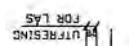
POS NR 214
15



POS NR 215
15



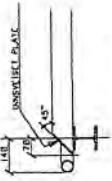
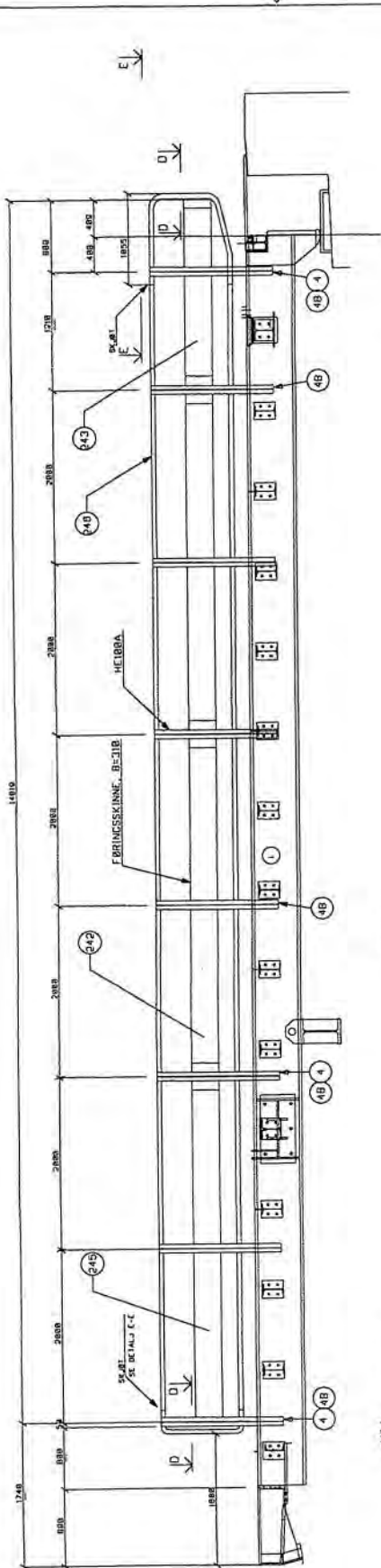
POS NR 216
15



BEMERKNINGER:

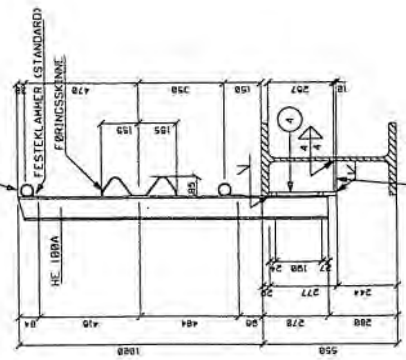
1. TYKKELSE AV PLATE POSNR. 217 (SJMNS) TILPASSES ETTER KONTROLLING AV BRUGAS KLARING MELLOM SIDESTYRING OG SLIDEPLATE. SKAL VERE 28mm PÅ HVER SIDE AV FERJEKAIØRU

| DRUK | UTGAVET | DRUKTIL | UTGAVEN | DRUKTIL | UTGAVEN |
|----------------|-----------------------|--------------------------------|-------------|-------------|-------------|
| STATENS | VEGVESEN | Standard for jernkaiøru B x 15 | | | |
| FREMRE | SIDESTYRING, RULLENDE | | | | |
| Utrednings- og | Drøings- og | Drøings- og | Drøings- og | Drøings- og | Drøings- og |
| 118 | 118 | 118 | 118 | 118 | 118 |
| 91 | 7 | 10 | 10 | 10 | 10 |

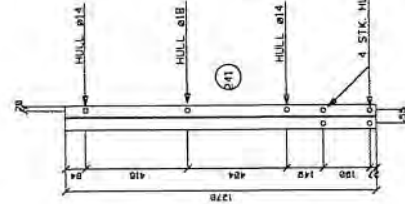


SNITT D-D
(KUN ANKORTET STANDARD ENDEAVSLUTNING ER VIST)
1:18

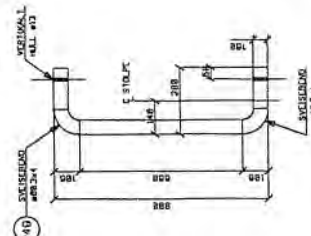
SNITT A-A
TYPISK
1:10



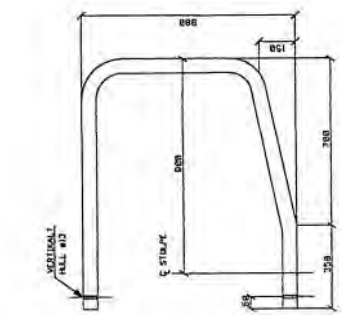
SNITT B-B
(KUN STOLPE ER VIST)
1:10



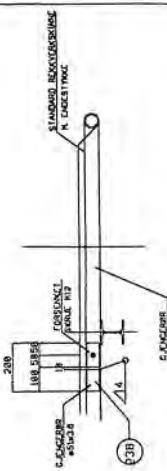
ENDEAVSLUTNINGER, REKKVERKSØR
1:10



OPPRISS
1:25



SNITT E-E
(KUN STANDARD ENDEAVSLUTNING ER VIST)
1:10



BEMERKNINGER

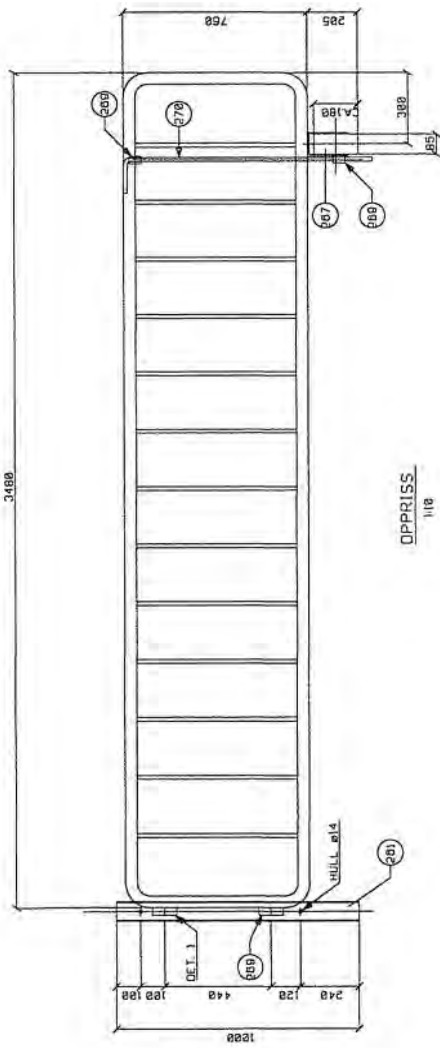
1. STÅLKVALITET:
FØRINGSKINNE SL. 523
FORVÆRIG SL. 372
2. ALLE STÅLELER SKAL VARFORSKINNES V 2n NS 1078
TIL BELEGGTYKKELSE MIN. 80µm
3. FOR SKRIVER REKKVERK-HØVEDLEKKE, SE ØVERSIKT TEKN. 14.
ØVRIGE SKRIVER INKLUDERES I REKKVERK

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | VEKT I kg | STÅL- KVAL. | REKKVADER |
|-----------|----------------------|----------------|-----------|-------------|------------|
| 241 | ØKVALIFIK. HULL Ø14 | 1270 | 22 | ØSL 37-2 | |
| 242 | STANDARD REKKVERKSØR | 4310 | 40 | ØSL 37-2 | |
| 243 | ENDESTYKKE/SKINNE | 2352 | 27 | ØSL 37-2 | |
| 245 | ENDESTYKKE/SKINNE | 4228 | 48 | ØSL 37-2 | |
| 246 | GJENGERØR Ø80,3x3,0 | 82 | 387 | ØSL 37-2 | |
| 247 | FESTEKLAMMER | - | 1 | ØSL 37-2 | |
| 248 | GJENGERØR Ø80,3x3,0 | 288 | 4 | ØSL 37-2 | |
| 249 | SVISEBEND Ø80,3x4 | - | 1 | ØSL 37-2 | |
| | | | | | SUM (8807) |

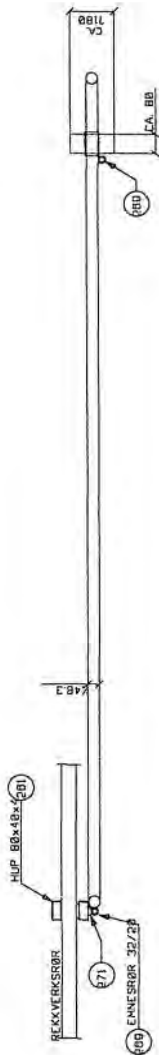
| | | | | |
|----------------------|------|-----|----------|--|
| ØKVALIFIK. HULL Ø14 | 1270 | 22 | ØSL 37-2 | |
| STANDARD REKKVERKSØR | 4310 | 40 | ØSL 37-2 | |
| ENDESTYKKE/SKINNE | 2352 | 27 | ØSL 37-2 | |
| ENDESTYKKE/SKINNE | 4228 | 48 | ØSL 37-2 | |
| GJENGERØR Ø80,3x3,0 | 82 | 387 | ØSL 37-2 | |
| FESTEKLAMMER | - | 1 | ØSL 37-2 | |
| GJENGERØR Ø80,3x3,0 | 288 | 4 | ØSL 37-2 | |
| SVISEBEND Ø80,3x4 | - | 1 | ØSL 37-2 | |
| SUM (8807) | | | | |

| | | | | |
|------------------------------------------------------|--|--|------------|--|
| STATENS VEGVESEN | | | | |
| Standard Ferjekolbru 9 x 15 | | | | |
| BRUREKKVERK | | | | |
| Vedleggsmaterialet er utarbeidet av Statens Vegvesen | | | | |
| H. H. H. H. H. | | | 91 7 12-1A | |

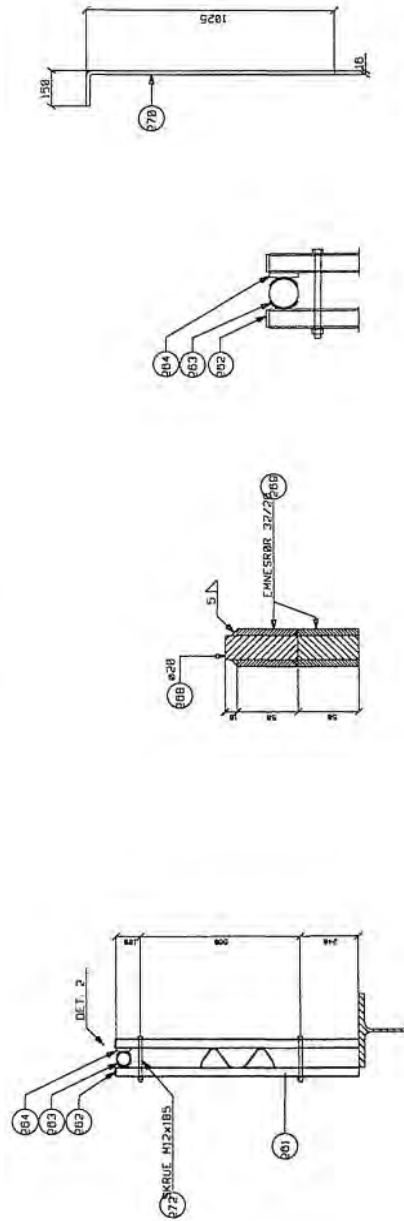
| POS. | ANT. | BENEVNELSE | DIMENSJONER med
KRAVET | VEKT I KG | STÅL-
KVAL. | MERKNADER |
|------|------|-----------------|---------------------------|-----------|----------------|-----------|
| 261 | 2 | HJUP 88x48x4 | 1000 | 7 | S144-3N | - |
| 262 | 2 | PLATE | 70 35 6 | - | RSL 37-2 | - |
| 263 | 4 | 1/3 RØR 761x3,2 | 80 | - | RSL 37-2 | - |
| 264 | 2 | PLATE | 80 80 10 | - | RSL 37-2 | - |
| 265 | 1 | RØR 48,3x3,0 | 6,5m | - | RSL 37-2 | - |
| 266 | 1 | RUNDSTÅL ø18 | 893 | - | RSL 37-2 | - |
| 267 | 1 | HJUL AV NYLON | - | - | RSL 37-2 | - |
| 268 | 2 | RUNDSTÅL ø20 | 118 | - | RSL 37-2 | - |
| 269 | 8 | EMNESRØR 32/28 | 90 | - | S152-3N | - |
| 270 | 1 | RUNDSTÅL ø10 | 1175 | - | RSL 37-2 | - |
| 271 | 2 | PLATE | 80 30 10 | - | RSL 37-2 | - |
| 272 | 2 | SKRUE M12x185 | - | - | S162-3N | - |
| | | | | SUM | 87 | |



OPPRISS
118



PLAN
118



SNITT A-A
118

DET. 1
1:2

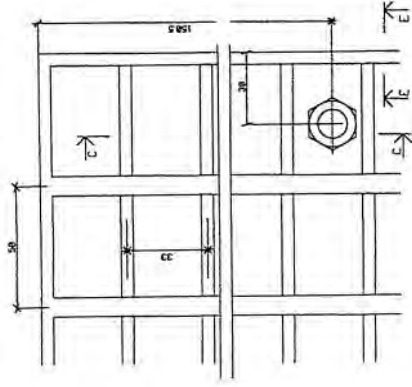
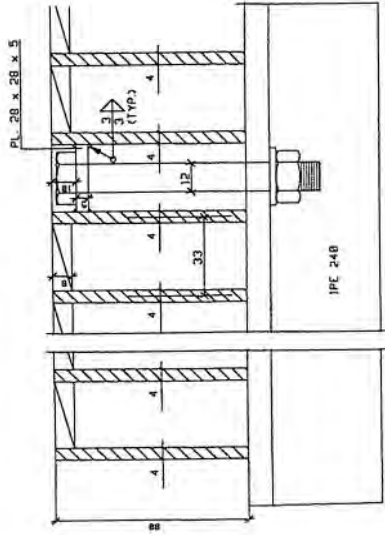
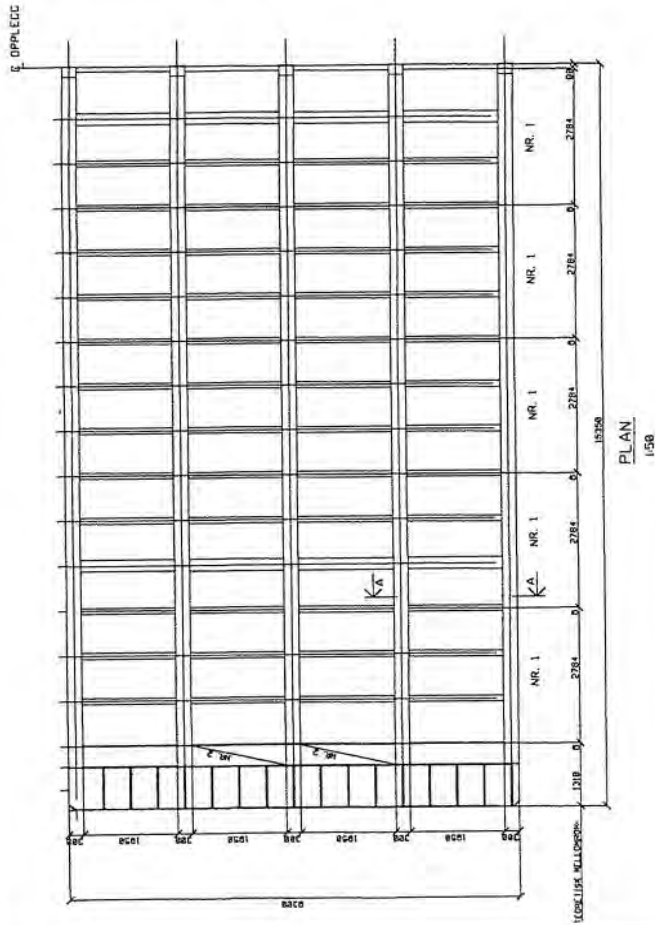
DET. 2
1:5

PIS. NR. 270
118

BEMERKNINGER:

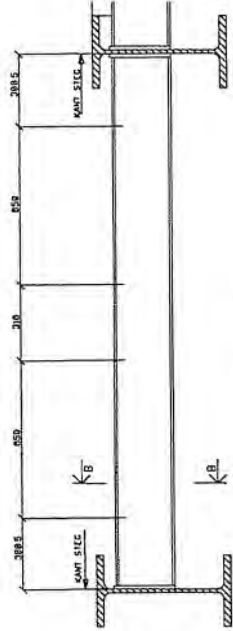
1. HVOR IKKE ANNEEN SVEIS ER VIST, BRUKES KILSVEIS 4.

| DRUK | REVISJON | DRUK
NR. | REVISJON
NR. | DRUK
DATUM | REVISJON
DATUM |
|------------------------------------|----------|-------------|-----------------|---------------|-------------------|
| 1 | 1 | 1 | 1 | 1 | 1 |
| STATENS VEGVESEN | | | | | |
| Standard for jekkebruv 9 x 15 | | | | | |
| RULLEPORT | | | | | |
| Vegvesenets Prosjekt, Div. Juni-08 | | | | | |
| H.T. Østlund (sign) | | | | | |
| D.Kleppa (sign) | | | | | |
| DRUK NR. | | | | | DRUK DATUM |
| 91 | | | | | 7 12-11 |



DETAIL J (SNITT C-C) 11

DETAIL K (NR.1 OG 2) 11



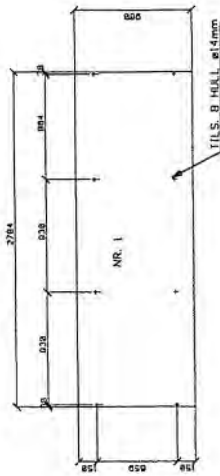
SNITT A-A
TYPISK SNITT
110

- BEMERKNINGER:**
1. BERESTÅLET SKAL VÆRE SACTAGDET
 2. STÅLKVALITET: S155-3, TEMP. KONTR. VALSING
 3. CITERRISTER SKAL VARMFORINKES Y 2 α NS 1078 TIL BELEGGTYKKELSE MIN 115mm
 4. ANTALL:
NR. 1: 48 STK
NR. 2: 4 STK
 5. HULL Ø14 I TVERRBJELKER BØRES VED MONTERING AV RISTER
 6. ANTALL FORPLATER:
18mm: 3 STK
15mm: 3 STK

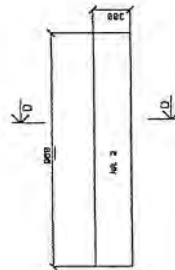
SNITT B-B
110



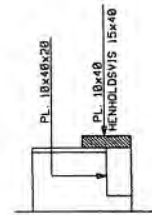
OPPRISS FORPLATE
110



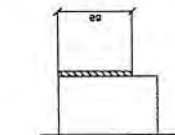
SNITT D-D
15



SNITT E-E
12



SNITT F-F
12



SNITT G-G
12

| DRG | DRG NR | DRG TITTEL | DRG DATUM | DRG FORFATTER | DRG KONTROLLER | DRG GODKJENT | DRG BRUK | |
|-------------|----------|-----------------------------|-----------|---------------|----------------|--------------|----------|---|
| STATENS | VEGVESEN | Standard for julebru 9 x 15 | 1998 | 108 | 108 | 108 | 108 | |
| CITERRISTER | | | | | | | 91 | 7 |
| H.T. Østrem | | | | | | | 91 | 7 |
| H.T. Østrem | | | | | | | 91 | 7 |

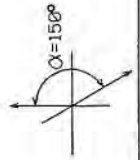
SKRUESPESIFIKASJON

| KONSTRUKSJONSDEL | DIMENSJON | ANTALL | FASTHETS-
KLASSE | KFR.
TEGN. |
|---------------------------------------|-----------|--------|---------------------|---------------|
| TVERRBJELKER/YTTERBJELKER | M24x65 | 120 | 8.8 | 02-I, 03 |
| TVERRBJELKER/INNERBJELKER | M24x80 | 180 | 8.8 | 02-II, 03 |
| FAGVERK/KNUTEPKT. | M24x80 | 88 | 8.8 | 05-I, 05-II |
| FAGVERK/KNUTEPKT. (DET. I, V, VII) | M24x90 | 24 | 8.8 | 05-I, 05-II |
| FRONTBJELKE/HOVEDBJELKER | M24x80 | 70 | 8.8 | 04-I, 04-II |
| FRONTBJELKE/BRACKETT | M24x70 | 32 | 8.8 | 04-I, 04-II |
| HEISEBJELKE/HOVEDBJELKER | M24x90 | 20 | 8.8 | 05-I, 07 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x60 | 12 | 8.8 | 02-I, -II, 08 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x70 | 12 | 8.8 | 02-I, -II, 08 |
| OVERGANGSPATE/HOVEDBJELKER | M24x80 | 2 | 8.8 | 02-I, -II, 08 |
| GITTERRISTER/TVERRBJELKER | M12x100 | 320 | 8.8 | 13 |
| GITTERRIST NR. 2 | M10x50 | 16 | 8.8 | 06 |
| KONSOLLER, BAKRE SIDESTYRING | M24x75 | 8 | 8.8 | 09-II |
| KONSOLLER, BAKRE SIDESTYRING (FENDER) | M24x80 | 2 | 8.8 | 09-II |
| REKKVERK/HOVEDBJELKER | M18x50 | 64 | 8.8 | 12 |

DIMENSJONER ETTER NS 5720/NS 5721 OG FASTHETSKLASSE 8.8 IFLG. NS 5750
 SEKSANTMUTTERE IFLG. NS 5730 OG FASTHETSKLASSE 8 IFLG. NS 5751
 UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200
 SKRUER, MUTTERE OG SKIVER SKAL VÆRE I VARMFORSINKET UTFØRELSE
 ALLE SKRUER SKAL HA UNDERLAGSSKIVE UNDER HODE OG MUTTER

TILSETTING AV SKRUER:

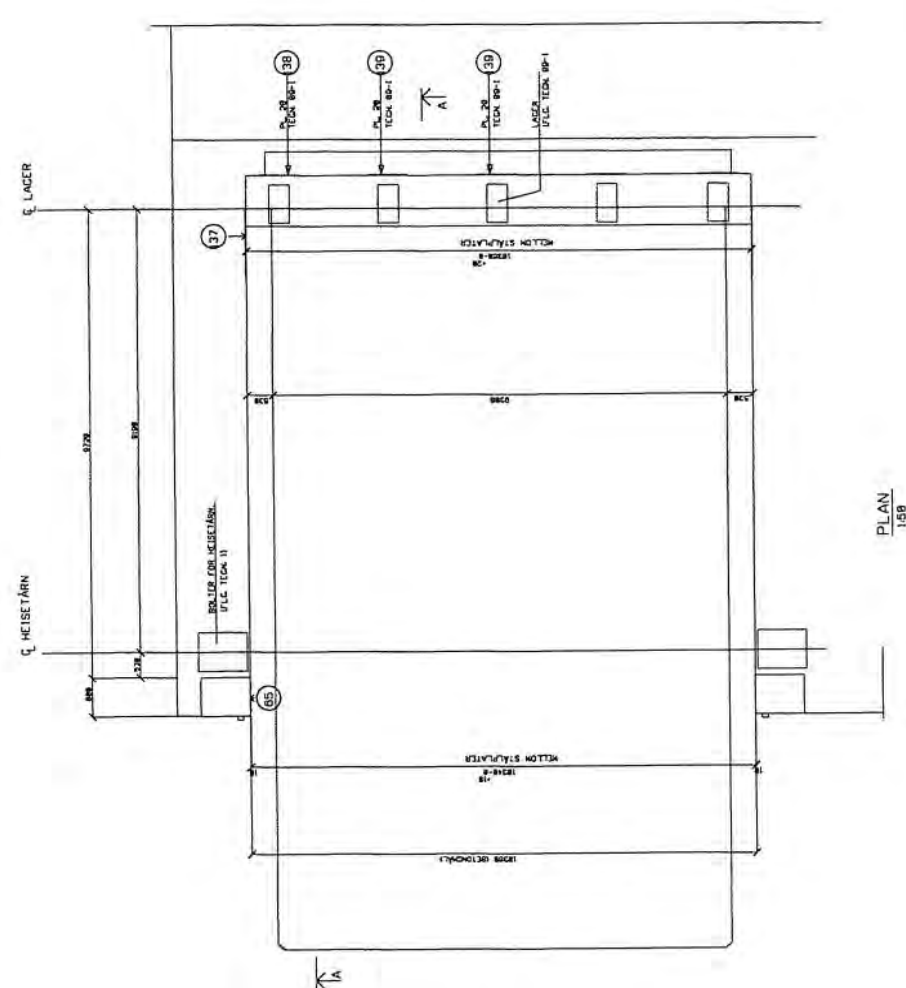
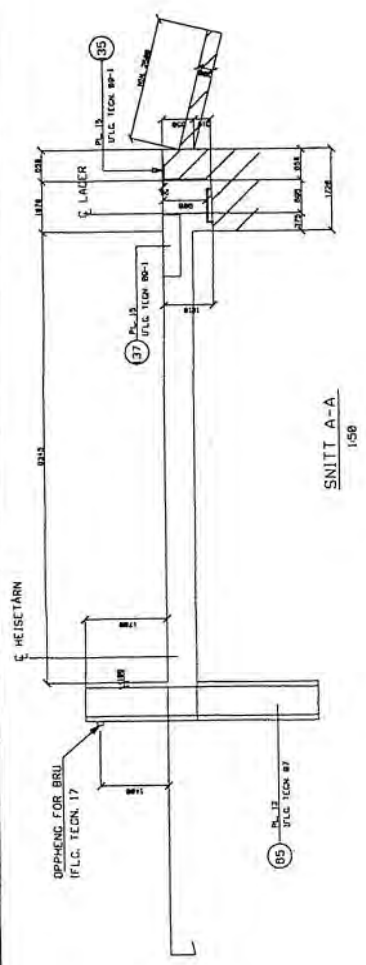
SKRUENE SETTES FAST TIL FOR HÅND MED VANLIG NØKSEL, SLIK AT
 TILSTØTENDE FLATER LIGGER TETT SAMMEN (SNUG-TIGHT)
 PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
 PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
 I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EVT. SKRUEN)
 EN VINKEL $\alpha = 150^\circ$



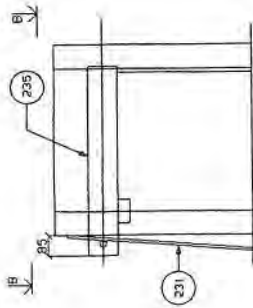
| Dato | Rettelser | Herke | Rettet | KFr. |
|----------------------------------------------------|-----------|----------|----------|----------|
| | | Høestakk | Tegn. TI | 15.01.92 |
| | | | Kbr. HE | 15.01.92 |
| | | Mål i mm | | |
| Erstatning for: | | | | |
| STATENS VEGVESEN | | | | |
| Standard for jekaibru: 9 x 15 | | | | |
| SKRUER, MUTTERE OG SKIVER FOR
BRUKONSTRUKSJON - | | | | |
| Vegdirektoratets bruavdeling, Oslo, Juni-96 | | | | |
| H.T.Øderud
(sign) | | | | |
| 0.Kleppe
(sign) | | | | |
| Versjon | St. Nr. | Bl. Nr. | | |
| 91 | 7 | 14 | | |

| | | | | |
|--------------------------------------|----------|----------|---------|---------|
| Drage | Arkivnr. | Revisjon | Blatt | av |
| | | 108 | 11 | 158/02 |
| STATENS VEGVESEN | | 108 | 11 | 158/02 |
| Standard for jekalbru, 9 x 15 | | 108 | 11 | 158/02 |
| BETONGMÅL | | 108 | 11 | 158/02 |
| Vegbetongens brukning, Densitet 2400 | | 108 | 11 | 158/02 |
| H.T. Ødennud | | 108 | 11 | 158/02 |
| 0 Klippe | | 108 | 11 | 158/02 |
| (100) | | 108 | 11 | 158/02 |
| Bl. Nr. | Bl. Nr. | Bl. Nr. | Bl. Nr. | Bl. Nr. |
| 91 | 7 | 15 | | |

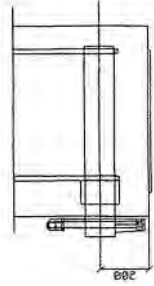
BEMERKNINGER:
 1. BETONGBEIDENE UTFØRES PÅ EN SLIK MÅTE AT ANGITTE TOLERANSEKRAV KAN OPPNÅS.



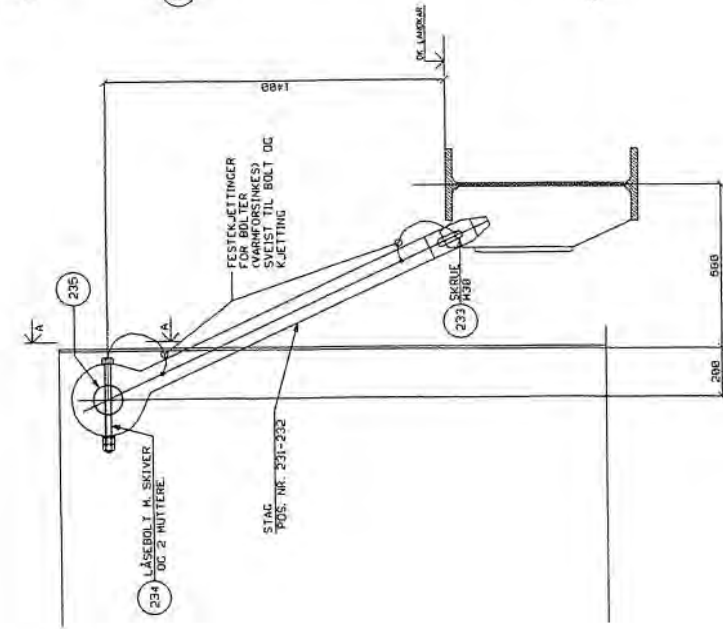
| POS. | ANT. | BENEVENELSE | DIMENSJONER mm | | | VEKT I kg | STÅLKVALITET |
|------|------|---------------|----------------|------|------|-----------|--------------|
| | | | LØDSE
BREDD | TØKK | TRAK | | |
| 231 | 2 | PLATE | 1890 | 10 | 17 | 34 | SL 52-3 |
| 232 | 4 | PLATE | 194 | 80 | 6 | 1 | SL 52-3 |
| 233 | 2 | SKRUE M30x130 | - | - | - | 2 | 8,8 |
| 234 | 2 | SKRUE M24x305 | - | - | - | 1 | 8,8 |
| 235 | 2 | RUNDSTÅL Ø200 | 800 | - | - | 71 | SL 52-3 |
| 236 | 2 | PLATE | 100 | 100 | 50 | 0 | SL 52-3 |
| 237 | 4 | PLATE | 50 | 30 | 20 | 1 | SL 52-3 |
| 238 | 4 | KANSTÅL Ø20 | 1890 | - | - | 4 | K50B7S |
| SUM | | | | | | 226 | |



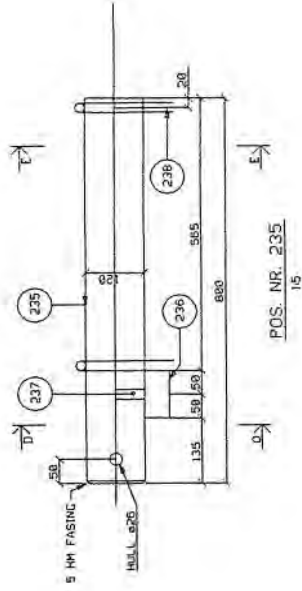
SNITT A-A
1:10



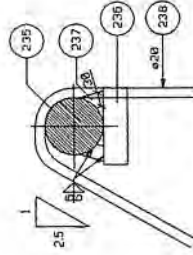
SNITT B-B
1:10



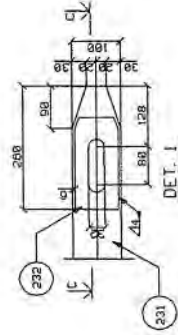
OPPRISS MOT FRONTSØYLE
1:10



POS. NR. 235
1:5



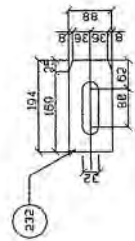
SNITT D-D
1:5



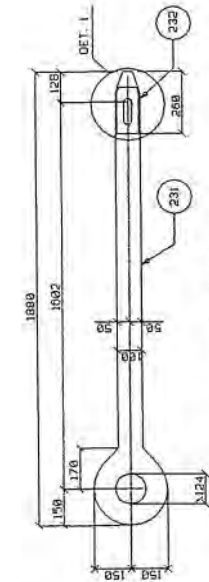
DET. I
1:5



SNITT C-C
1:5



POS. NR. 232
1:10



POS. NR. 231-232
1:10

BEMERKNING:
1. BRUPPENGET LAGES I SPEILVENDT UTFØRSELSE FOR MOTSATT FRONTSØYLE.

| Stations
Data | Ris. Expl. | Nettets
Serie | A
Høydde | Retting
Teg. TI | Rev.
Kr. H. | Bl. no. |
|----------------------------------------|------------|------------------|-------------|--------------------|----------------|---------|
| STATENS VEGVESEN | | 110 | 15 | | | |
| Standard fer-jelkobru 9 x 15 | | | | | | |
| BRUPPENG FOR VEDLIKHOLD | | | | | | |
| Vegvesenstatens anordning, del. A-1-00 | | | | | | |
| HT. Order-Lud | | | | | | |
| D. 01/09/00 | | | | | | |
| Utskrift | | | | | | |
| 92 | 7 | 17A | | | | |

STANDARD FERJEKAIBRU

9 x 18 m.

(8)

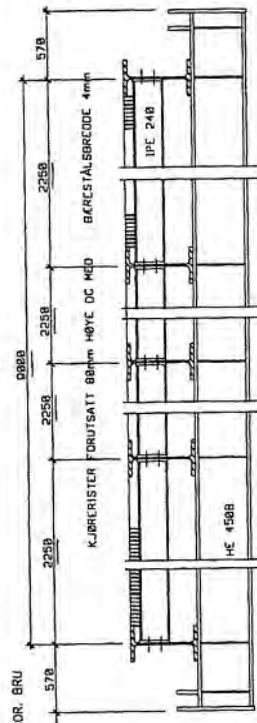
STANDARD FERJEKAIBRU, 9 x 18 m.

(Std. nr. 8)

TEGNINGSLISTE

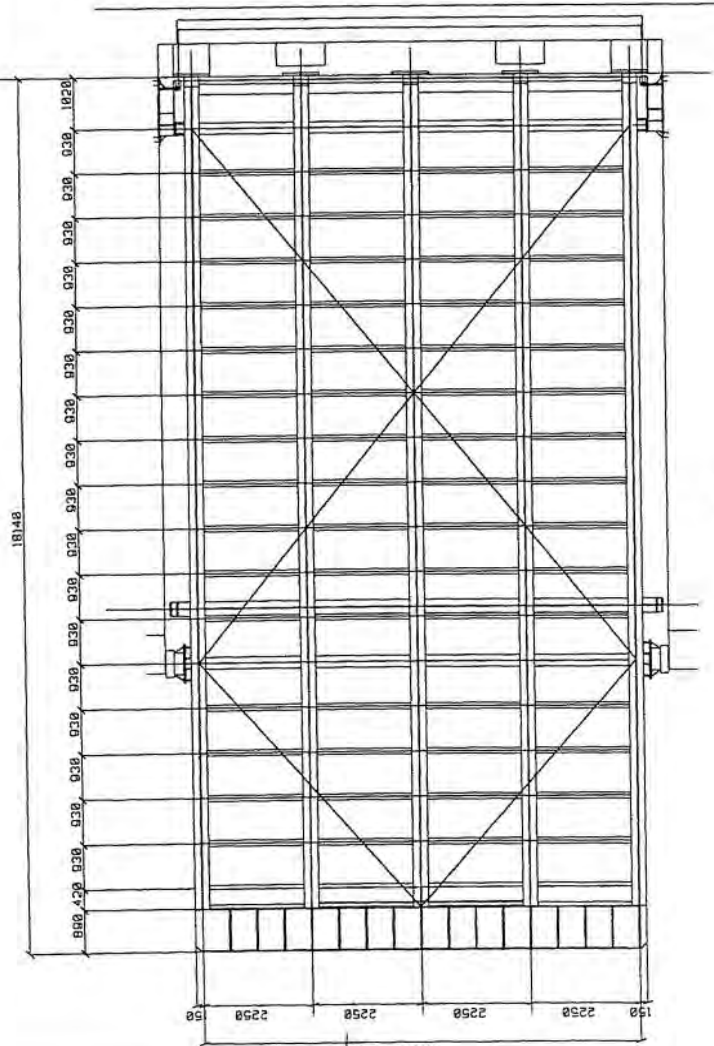
| | |
|-----------------|-----------------------------------------------------------|
| Bl. nr. 01B | Oversikt |
| Bl. nr. 02-IA | Ytre hovedbjelker med detaljer |
| Bl. nr. 02-IIA | Indre hovedbjelker med detaljer |
| Bl. nr. 02-IIIA | Hovedbjelker, plater og materialliste |
| Bl. nr. 03 | Tverrbjelker, plater, materialliste |
| Bl. nr. 04-I | Frontbjelke med detaljer |
| Bl. nr. 04-IIA | Frontbjelke, detaljer, plater og materialliste |
| Bl. nr. 05-I | Fagverk, plan |
| Bl. nr. 05-II | Fagverk, plater og materialliste |
| Bl. nr. 06A | Paneler bak frontbjelke |
| Bl. nr. 07A | Heisebjelke og innstøpt glideplate for fremre sidestyling |
| Bl. nr. 08A | Bakre tverrbjelke, overgangsplate |
| Bl. nr. 09-IB | Innstøpningsgods ved landkar, brulagre |
| Bl. nr. 09-II | Konsoll og dekkplate ved landkar |
| Bl. nr. 09-III | MV-fendere |
| Bl. nr. 09-IV | Sylinder- og konfendere |
| Bl. nr. 10 | Fremre sidestyling, rullende |
| Bl. nr. 11 | Heisetårn |
| Bl. nr. 12-IB | Brurekkverk |
| Bl. nr. 12-II | Rulleport |
| Bl. nr. 13 | Gitterrister |
| Bl. nr. 14 | Skruer, muttere og skiver for brukonstruksjon |
| Bl. nr. 15 | Betongmål |
| Bl. nr. 16 | Utstyr |
| Bl. nr. 17A | Bruoppheng for vedlikehold |

Ø OPPLEGG VED HOR. BRU



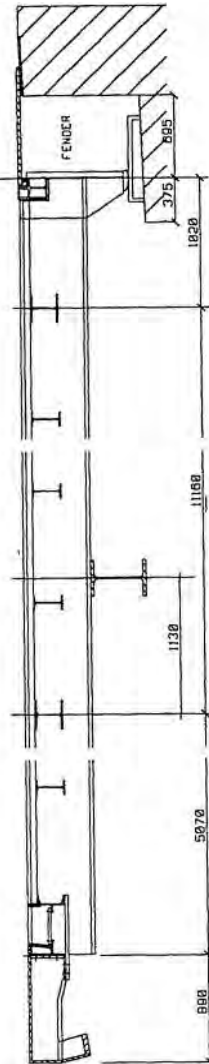
SNITT B-B
1:20

Ø OPPLEGG VED HOR. BRU



PLAN
1:50

Ø OPPLEGG VED HOR. BRU



SNITT A-A
1:20

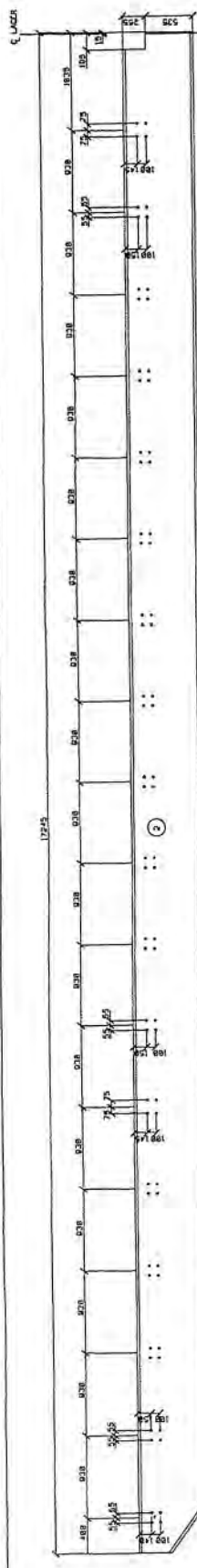
MATERIAL/TEGNINGSLISTE

| POS. NR. | BENEVNELSE | VEKT [kg] | TEGN. NR. |
|----------|------------------------------------|-----------|-----------|
| 1-32 | HVEDDEJELKER | 21848 | 02-111 |
| 33-41 | TVERRJELKER | 8347 | 03 |
| 42-50 | PANELER BAK FRONTJELKE | 859 | 00 |
| 51-63 | FRONTJELKE | 4883 | 04-11 |
| 65-73 | HEISEB-JELKE OG FREMRE SIDESTYRING | 2380 | 07 |
| 80-89 | KONSOLL OG DEKKPLATE VED LANDKAR | 567 | 08-11 |
| 90-100 | FADVERK | 2581 | 05-11 |
| 110-123 | BANKE TVERRJELKE, DVERANGSPLEATE | 2484 | 08 |
| 130-141 | INNSTØPNINGSODDS VED LANDKAR | 1870 | 09-1 |
| 151-161 | HEISETÅRK | 2310 | 11 |
| 211-218 | RULLENDE SIDESTYRING | 365 | 10 |
| 231-240 | BRUGPPHENG | 213 | 17 |
| | | SUM | |
| | | 40518 | |

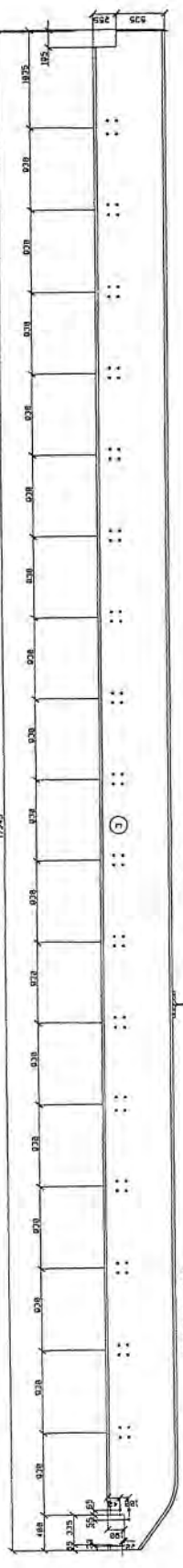
BEMERKNINGER:

1. VEKT AV SKRIVER ER IKKE INKLUDERT, SE TEKN. -14
2. VEKT AV FENDER, SE TEKN. 80-111 EVT. 80-1V

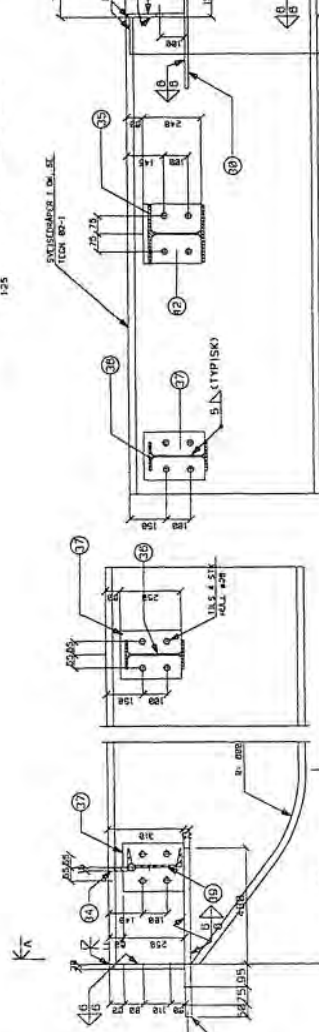
| RISIKO | | LØST MATERIALISTE | | Anvendelse | | Mål | |
|------------------|-----|-------------------|--------|------------------------------|--------|--------|--------|
| Gravering | Før | Antall | Antall | Antall | Antall | Antall | Antall |
| | | 138 | 138 | | | | |
| | | 138 | 138 | | | | |
| | | 138 | 138 | | | | |
| | | 138 | 138 | | | | |
| STATENS VEGVESEN | | | | Standard for jekkebru 9 x 18 | | | |
| DVERSIKT | | | | Dokument | | | |
| H.T. Bjørnvid | | | | 91 | | | |
| OKladde | | | | 8 | | | |
| 1987 | | | | 01B | | | |



OPPRISS BJELKE TYPE 2
SNITT 2-2
OMN BJELKE VRET. FOR DETALJER SE NOTISEREN
125

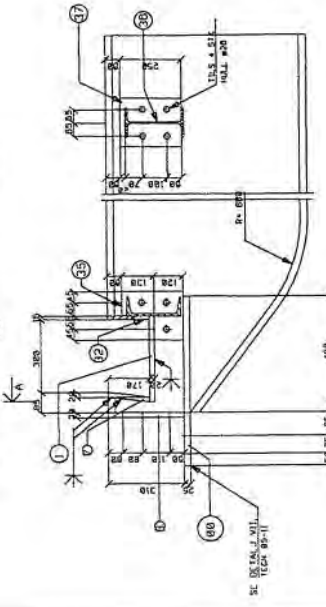


OPPRISS BJELKE TYPE 3
SNITT 3-3
OMN BJELKE VRET. FOR DETALJER SE NOTISEREN
125



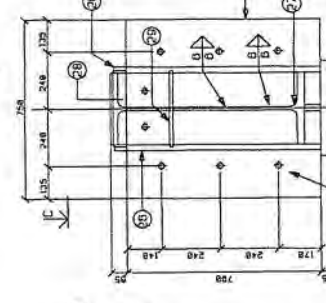
DETALJ I
118

OPPRISS FREMRE DEL, BJELKE TYPE 2
118

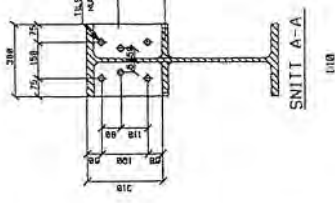


OPPRISS FREMRE DEL, BJELKE TYPE 3
118

OPPRISS BAKRE DEL
118



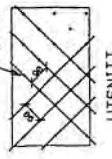
SNITT C-C
118



SNITT A-A
118

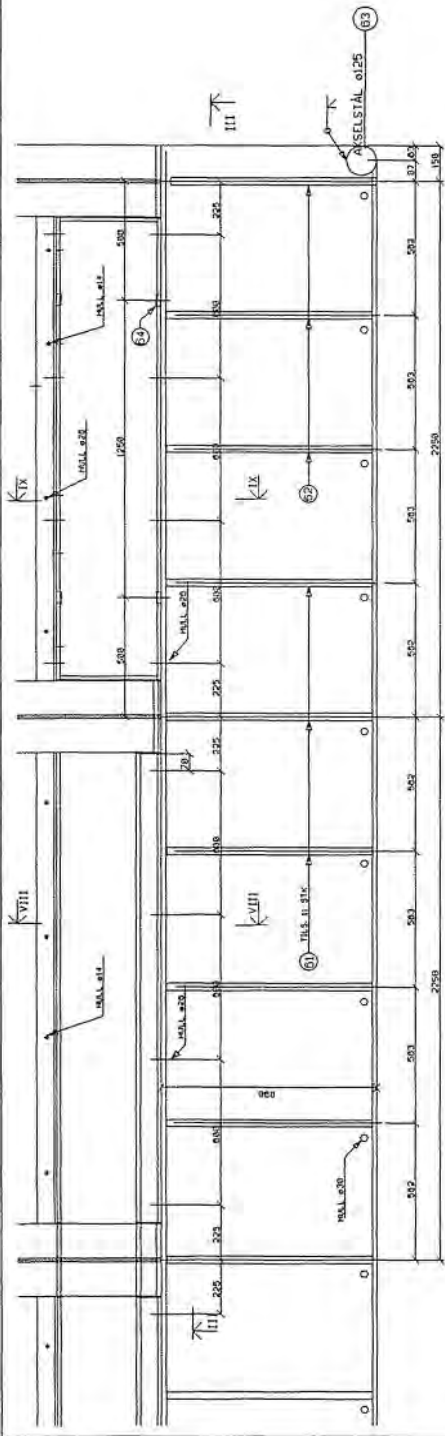
BEMERKNINGER:

1. ALLE HULL #20 HULL FOR HEISBJELKE, SE TECN BS-1
2. FOR PLATER OG MATERIALLISTE, SE TECN BS-1/11
3. FOR KNUTEUNKTSPLATER FOR FAKVERK, SE TECN BS-1/1
4. FOR TVERBJELKER, SE TECN BS-1

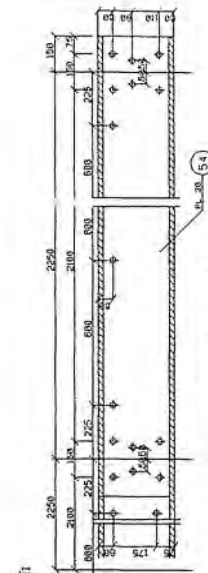


UTSNITT
118

| MODEL | TYPE | ENHET | MÅTT | ANVENDELSE | BYGGEÅR | BYGGER | BYGGEPLASS |
|-------------------------------------------|----------|----------------------|--------|------------|---------|--------|------------|
| STATENS | VEGVESEN | Standard Ferjekolbru | 9 x 18 | 1.5 | 1968 | 1968 | 1968 |
| INNE HOVEDBJELKER MED DETALJER | | | | | | | |
| Vegvesenstatens Bygningsskisse, Juni-1968 | | | | | | | |
| K1180000 (egnet) | | | | | | | |
| O.K180000 (egnet) | | | | | | | |
| 91 8 Ø2-11A | | | | | | | |



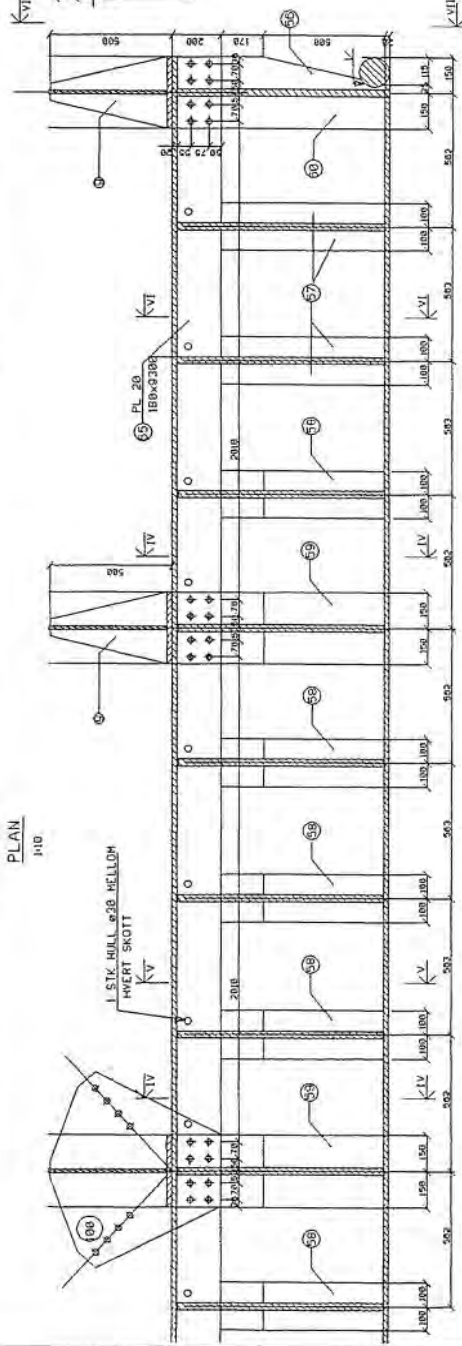
PLAN
1:10



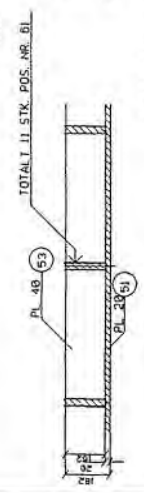
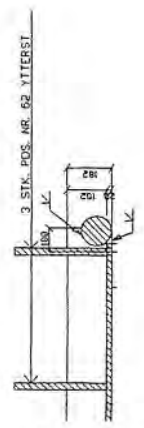
SNITT III-III
(BARE FRONTBJELKE VIST)
1:10

BEMERKNINGER:

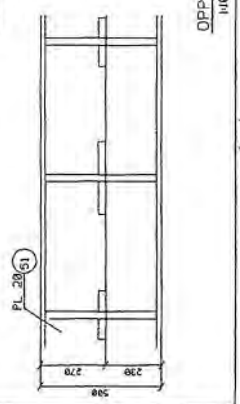
1. SNITT IV-IV TIL IX-IX, SE TEKN. 04-11
2. AKSELSTÅL (POS.NR. 63) KAN ERSTATTES MED EMESRØR ø125-71



SNITT I-I
1:10

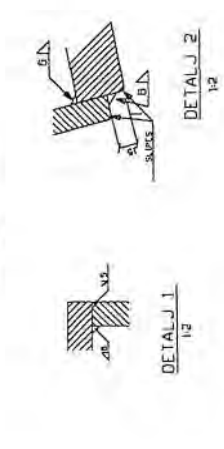
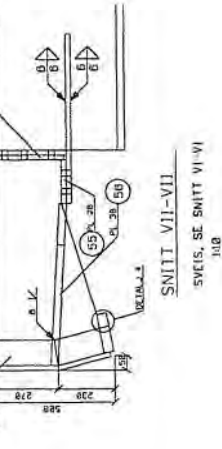
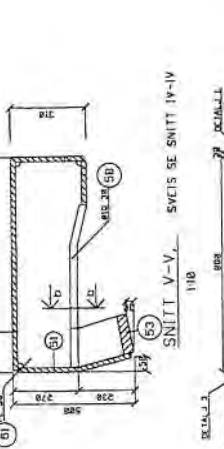
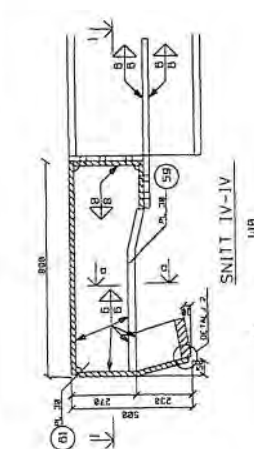
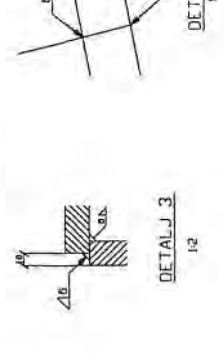
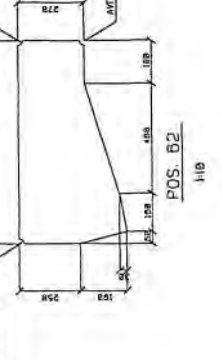
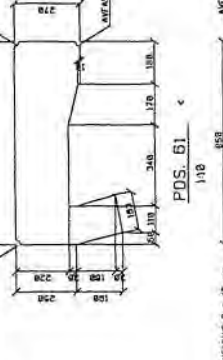
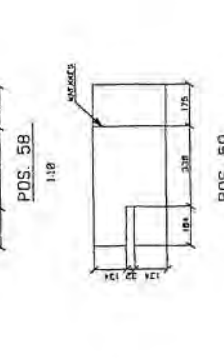
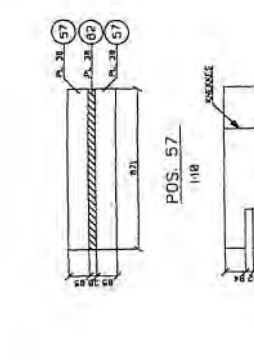
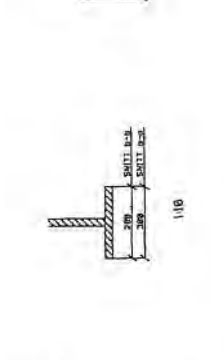
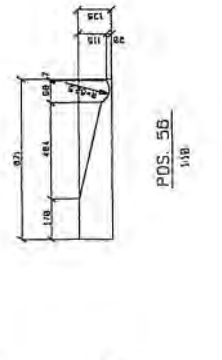
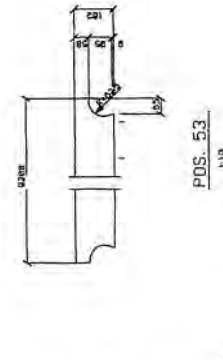
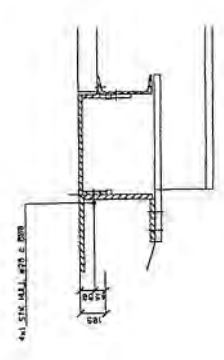
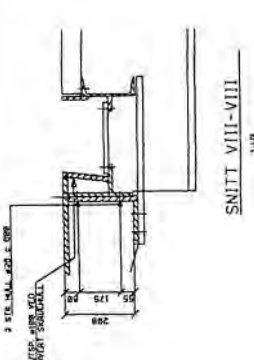


SNITT II-II
1:10



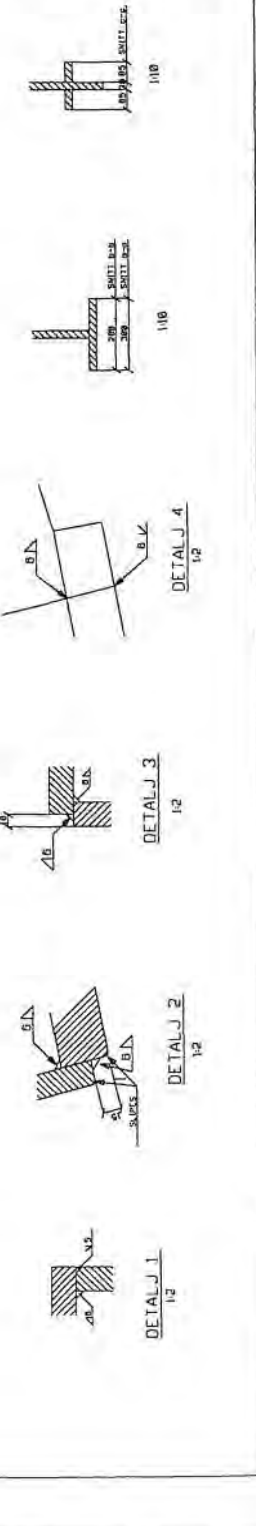
| DRAG | BETEGNELSE | STAV | STAV | STAV |
|------------------------------------|------------|------|------|------|
| STATENS VEGVESEN | 118 | 118 | 118 | 118 |
| Standard for Jekalbru: 9 x 18 | | | | |
| FRONTBJELKE MED DETALJER | | | | |
| Vegvaterstatens Varmings Omst. A/S | | | | |
| H. T. Ødegaard | | | | |
| Ø125 | | | | |
| 91 | 8 | 8 | 8 | 8 |
| Ø4-I | | | | |

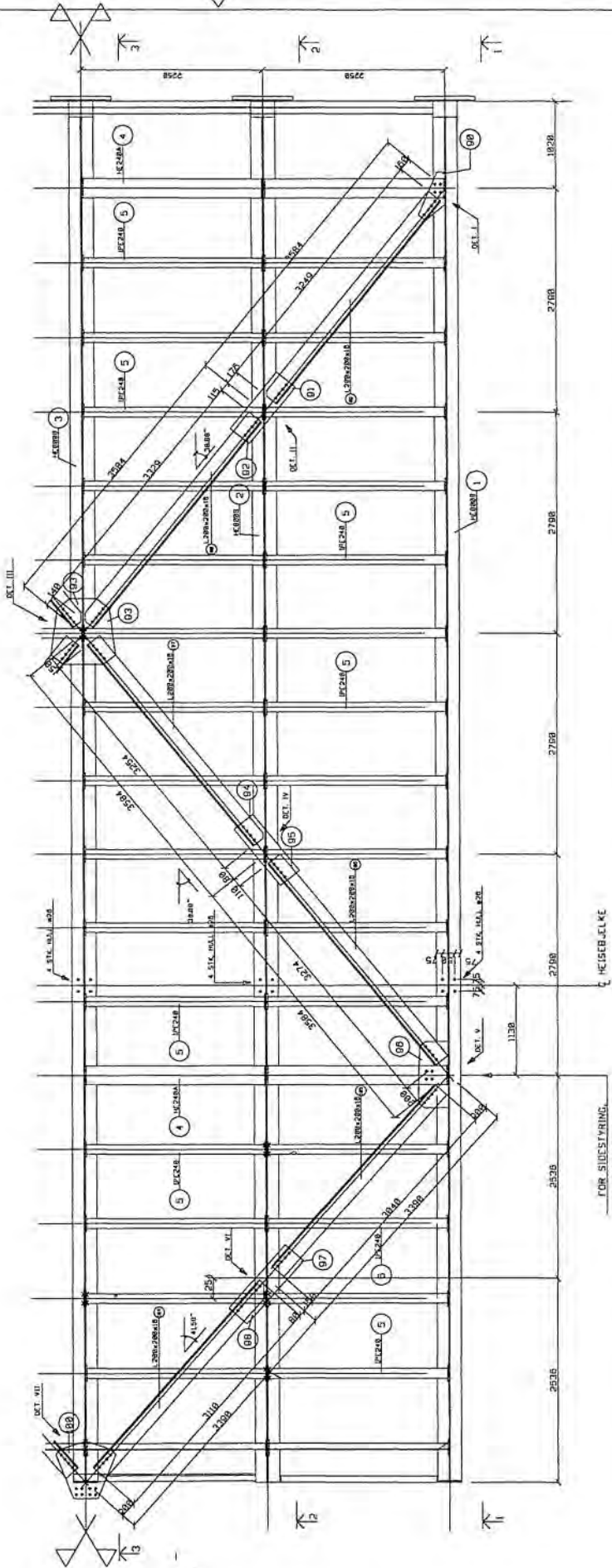
| POS. ANT. | BEMÆKNELSE | DIMENSJONER mm | | VEKT I KGL | STÅL-
KVAL | MÆRKNADER | |
|-----------|-------------|----------------|-------|------------|---------------|--------------|--------------|
| | | LENGDE | BREDD | | | | |
| 51 | PLATE | 1878 | 470 | 28 | 678 | HØRØK-KNEKES | |
| 52 | PLATE | 2388 | 888 | 28 | 1285 | HØRØK-KNEKES | |
| 53 | PLATE | 2388 | 162 | 40 | 468 | HØRØK-KNEKES | |
| 54 | PLATE | 2388 | 288 | 20 | 483 | HØRØK-KNEKES | |
| 55 | PLATE | 2388 | 188 | 28 | 263 | HØRØK-KNEKES | |
| 56 | PLATE | 871 | 135 | 38 | 22 | 43 | HØRØK-KNEKES |
| 57 | PLATE | 871 | 85 | 38 | 14 | 187 | HØRØK-KNEKES |
| 58 | PLATE | 875 | 288 | 38 | 31 | 285 | HØRØK-KNEKES |
| 59 | PLATE | 875 | 388 | 38 | 48 | 143 | HØRØK-KNEKES |
| 60 | PLATE | 871 | 135 | 38 | 22 | 43 | HØRØK-KNEKES |
| 61 | PLATE | - | - | 38 | 58 | 810 | HØRØK-KNEKES |
| 62 | PLATE | - | - | 38 | 88 | 412 | HØRØK-KNEKES |
| 63 | AKSELSTØTTE | 212 | 85 | - | 47 | 84 | HØRØK-KNEKES |
| 64 | PLATE | 58 | 28 | 28 | 82 | 1 | HØRØK-KNEKES |
| | | | | SUM | 4883 | | |



BEMERKNINGER:
1. FOR SNITTENS BELIGGENHET, SE TEKN. 84-1

| IBERSETT | ANT. ENDR. | REVISJON | AVSLUTTET | AVT. |
|-----------------------------------------|------------|----------|-----------|------|
| 1 | 1 | 1 | 1 | 1 |
| STATENS VEVESEN | | | | |
| Standard for jernbetong- og stålbygning | | | | |
| FRONTBELÅT | | | | |
| DETALJER, PLATER OG MATERIALLISTE | | | | |
| Vegvesenets utarbeidelse, Oslo, 1968 | | | | |
| H.T. Bjørnstad | | | | |
| 04/10/68 | | | | |
| 1/80 | | | | |
| 8 | | | | |
| 04-11A | | | | |





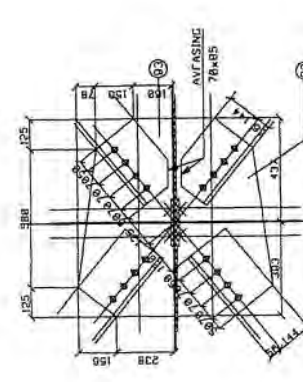
BEMERKNINGER:

1. HULL FOR FESTE AV HEISEBÆLKE, Ø28 SKRUE FOR FESTE AV HEISEBÆLKE, N 24, B8
2. HULL FOR FESTE AV IPE 240 OG L 200x200x10x20 SKRUE FOR FESTE AV IPE 240 OG L 200x200x10x20, B8
3. FOR SMITTE 1 TIL 3, SE TEKN. Ø2-1 OG Ø2-1
4. KONTAKTLATER BEHANDLES SLIK AT FRIKSJONSTALL $f = 0.5$ OPPNÅS
5. SKRUELOER MÅ SPEILES OM SYMMETRIakse FOR L 200x10
6. FOR MATERIALLISTE, SE TEKN. Ø5-1
7. DETALJ I TIL IX, SE TEKN. Ø5-1

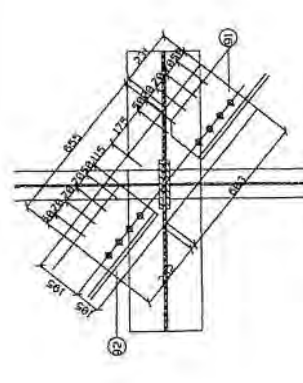
| Data | | Målinger | | Materiale | |
|-----------------------------------------|--|----------|----|-----------|----------|
| STATENS VECVSEN | | Stav | 12 | Materiale | L 200x10 |
| Standard for jekalbru, 9 x 18 | | Stav | 12 | Materiale | L 200x10 |
| FAKVERK, PLAN | | Stav | 12 | Materiale | L 200x10 |
| Vegetabiliskare forsmøsing, Øm. 100x100 | | Stav | 12 | Materiale | L 200x10 |
| H-T Ølørud | | Stav | 12 | Materiale | L 200x10 |
| Løst | | Stav | 12 | Materiale | L 200x10 |
| Ferdig | | Stav | 12 | Materiale | L 200x10 |
| | | Stav | 12 | Materiale | L 200x10 |

| POS. ANT. | BEMÆKNELSE | DIMENSIONER mm | VEKT I UDL. | STÅL - | MERKNAEDER |
|-----------|------------|----------------|-------------|----------|------------|
| | | LODRET | 118 | KVAL. | |
| 180 | PLATE | 500 | 25 | RS1.37-2 | |
| 181 | PLATE | 500 | 25 | RS1.37-2 | |
| 182 | PLATE | 300 | 25 | RS1.37-2 | |
| 183 | PLATE | 300 | 25 | RS1.37-2 | |
| 184 | PLATE | 300 | 25 | RS1.37-2 | |
| 185 | PLATE | 300 | 25 | RS1.37-2 | |
| 186 | PLATE | 300 | 25 | RS1.37-2 | |
| 187 | PLATE | 300 | 25 | RS1.37-2 | |
| 188 | PLATE | 300 | 25 | RS1.37-2 | |
| 189 | PLATE | 300 | 25 | RS1.37-2 | |
| 190 | PLATE | 300 | 25 | RS1.37-2 | |
| 191 | PLATE | 300 | 25 | RS1.37-2 | |
| 192 | PLATE | 300 | 25 | RS1.37-2 | |
| 193 | PLATE | 300 | 25 | RS1.37-2 | |
| 194 | PLATE | 300 | 25 | RS1.37-2 | |
| 195 | PLATE | 300 | 25 | RS1.37-2 | |
| 196 | PLATE | 300 | 25 | RS1.37-2 | |
| 197 | PLATE | 300 | 25 | RS1.37-2 | |
| 198 | PLATE | 300 | 25 | RS1.37-2 | |
| 199 | PLATE | 300 | 25 | RS1.37-2 | |
| 200 | PLATE | 300 | 25 | RS1.37-2 | |
| 201 | PLATE | 300 | 25 | RS1.37-2 | |
| 202 | PLATE | 300 | 25 | RS1.37-2 | |
| 203 | PLATE | 300 | 25 | RS1.37-2 | |
| 204 | PLATE | 300 | 25 | RS1.37-2 | |
| 205 | PLATE | 300 | 25 | RS1.37-2 | |
| 206 | PLATE | 300 | 25 | RS1.37-2 | |
| 207 | PLATE | 300 | 25 | RS1.37-2 | |
| 208 | PLATE | 300 | 25 | RS1.37-2 | |
| 209 | PLATE | 300 | 25 | RS1.37-2 | |
| 210 | PLATE | 300 | 25 | RS1.37-2 | |
| 211 | PLATE | 300 | 25 | RS1.37-2 | |
| 212 | PLATE | 300 | 25 | RS1.37-2 | |
| 213 | PLATE | 300 | 25 | RS1.37-2 | |
| 214 | PLATE | 300 | 25 | RS1.37-2 | |
| 215 | PLATE | 300 | 25 | RS1.37-2 | |
| 216 | PLATE | 300 | 25 | RS1.37-2 | |
| 217 | PLATE | 300 | 25 | RS1.37-2 | |
| 218 | PLATE | 300 | 25 | RS1.37-2 | |
| 219 | PLATE | 300 | 25 | RS1.37-2 | |
| 220 | PLATE | 300 | 25 | RS1.37-2 | |
| 221 | PLATE | 300 | 25 | RS1.37-2 | |
| 222 | PLATE | 300 | 25 | RS1.37-2 | |
| 223 | PLATE | 300 | 25 | RS1.37-2 | |
| 224 | PLATE | 300 | 25 | RS1.37-2 | |
| 225 | PLATE | 300 | 25 | RS1.37-2 | |
| 226 | PLATE | 300 | 25 | RS1.37-2 | |
| 227 | PLATE | 300 | 25 | RS1.37-2 | |
| 228 | PLATE | 300 | 25 | RS1.37-2 | |
| 229 | PLATE | 300 | 25 | RS1.37-2 | |
| 230 | PLATE | 300 | 25 | RS1.37-2 | |
| 231 | PLATE | 300 | 25 | RS1.37-2 | |
| 232 | PLATE | 300 | 25 | RS1.37-2 | |
| 233 | PLATE | 300 | 25 | RS1.37-2 | |
| 234 | PLATE | 300 | 25 | RS1.37-2 | |
| 235 | PLATE | 300 | 25 | RS1.37-2 | |
| 236 | PLATE | 300 | 25 | RS1.37-2 | |
| 237 | PLATE | 300 | 25 | RS1.37-2 | |
| 238 | PLATE | 300 | 25 | RS1.37-2 | |
| 239 | PLATE | 300 | 25 | RS1.37-2 | |
| 240 | PLATE | 300 | 25 | RS1.37-2 | |
| 241 | PLATE | 300 | 25 | RS1.37-2 | |
| 242 | PLATE | 300 | 25 | RS1.37-2 | |
| 243 | PLATE | 300 | 25 | RS1.37-2 | |
| 244 | PLATE | 300 | 25 | RS1.37-2 | |
| 245 | PLATE | 300 | 25 | RS1.37-2 | |
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| 247 | PLATE | 300 | 25 | RS1.37-2 | |
| 248 | PLATE | 300 | 25 | RS1.37-2 | |
| 249 | PLATE | 300 | 25 | RS1.37-2 | |
| 250 | PLATE | 300 | 25 | RS1.37-2 | |
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| 252 | PLATE | 300 | 25 | RS1.37-2 | |
| 253 | PLATE | 300 | 25 | RS1.37-2 | |
| 254 | PLATE | 300 | 25 | RS1.37-2 | |
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| 256 | PLATE | 300 | 25 | RS1.37-2 | |
| 257 | PLATE | 300 | 25 | RS1.37-2 | |
| 258 | PLATE | 300 | 25 | RS1.37-2 | |
| 259 | PLATE | 300 | 25 | RS1.37-2 | |
| 260 | PLATE | 300 | 25 | RS1.37-2 | |
| 261 | PLATE | 300 | 25 | RS1.37-2 | |
| 262 | PLATE | 300 | 25 | RS1.37-2 | |
| 263 | PLATE | 300 | 25 | RS1.37-2 | |
| 264 | PLATE | 300 | 25 | RS1.37-2 | |
| 265 | PLATE | 300 | 25 | RS1.37-2 | |
| 266 | PLATE | 300 | 25 | RS1.37-2 | |
| 267 | PLATE | 300 | 25 | RS1.37-2 | |
| 268 | PLATE | 300 | 25 | RS1.37-2 | |
| 269 | PLATE | 300 | 25 | RS1.37-2 | |
| 270 | PLATE | 300 | 25 | RS1.37-2 | |
| 271 | PLATE | 300 | 25 | RS1.37-2 | |
| 272 | PLATE | 300 | 25 | RS1.37-2 | |
| 273 | PLATE | 300 | 25 | RS1.37-2 | |
| 274 | PLATE | 300 | 25 | RS1.37-2 | |
| 275 | PLATE | 300 | 25 | RS1.37-2 | |
| 276 | PLATE | 300 | 25 | RS1.37-2 | |
| 277 | PLATE | 300 | 25 | RS1.37-2 | |
| 278 | PLATE | 300 | 25 | RS1.37-2 | |
| 279 | PLATE | 300 | 25 | RS1.37-2 | |
| 280 | PLATE | 300 | 25 | RS1.37-2 | |
| 281 | PLATE | 300 | 25 | RS1.37-2 | |
| 282 | PLATE | 300 | 25 | RS1.37-2 | |
| 283 | PLATE | 300 | 25 | RS1.37-2 | |
| 284 | PLATE | 300 | 25 | RS1.37-2 | |
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| 286 | PLATE | 300 | 25 | RS1.37-2 | |
| 287 | PLATE | 300 | 25 | RS1.37-2 | |
| 288 | PLATE | 300 | 25 | RS1.37-2 | |
| 289 | PLATE | 300 | 25 | RS1.37-2 | |
| 290 | PLATE | 300 | 25 | RS1.37-2 | |
| 291 | PLATE | 300 | 25 | RS1.37-2 | |
| 292 | PLATE | 300 | 25 | RS1.37-2 | |
| 293 | PLATE | 300 | 25 | RS1.37-2 | |
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| 296 | PLATE | 300 | 25 | RS1.37-2 | |
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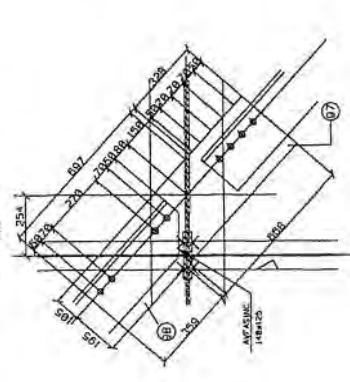
SUM 2581



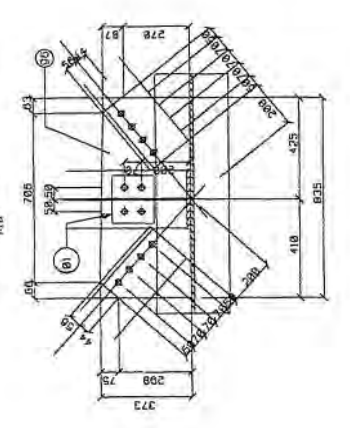
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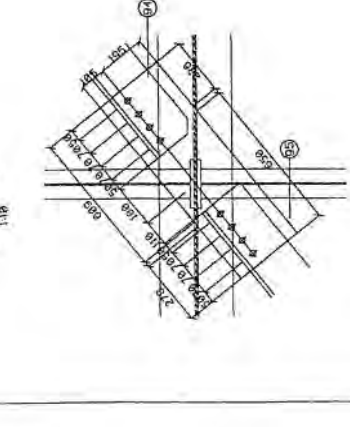
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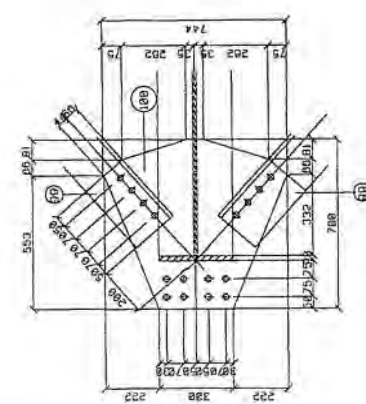
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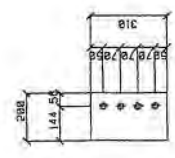
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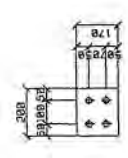
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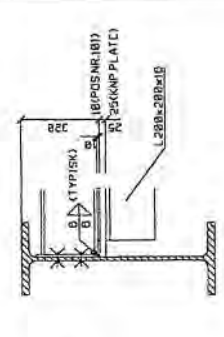
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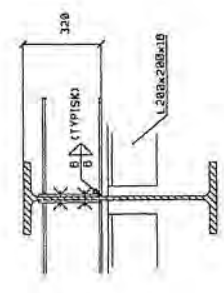
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118



118



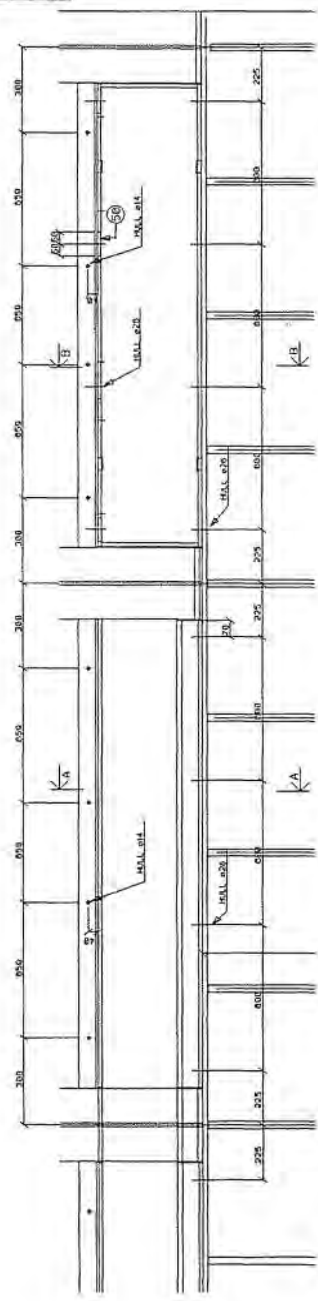
118

BEMÆKNINGER:

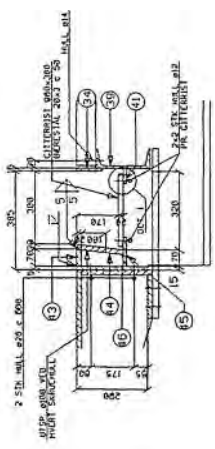
1. DETALJENES BEHOLDERI SE TECA 85-1
2. ALLE MÅL I mm

| | |
|-----------------------------------------|------------|
| STATENS VEGVESEN | |
| Standard Færjeteknisk 9 x 18 | |
| FAKTER
PLATER OG MATERIALISTIC | |
| Hydrokollisions erstatning, Del. Jøe-08 | |
| H.T. Bårdrud
ingeniør | DEKORATION |
| Udarbejdet af | 91 |
| Bladnr. | 8 |
| B.L.Nr. | Ø5-11 |

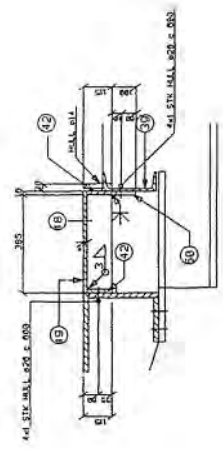
| POS. ANT. | BENEVLISE | DIMENSJONER mm | | STÅL-
KVAL. | MERKNADER |
|-----------|-----------|----------------|-----------------|----------------|-----------|
| | | LØSSE | PL. ELL. A.L.T. | | |
| 42 | PLATE | 1040 | 160 | R51.37-2 | |
| 43 | PLATE | 1040 | 70 | R51.37-2 | |
| 44 | PLATE | 1040 | 185 | R51.37-2 | |
| 45 | PLATE | 1040 | 120 | R51.37-2 | |
| 46 | PLATE | 1040 | 200 | R51.37-2 | |
| 47 | PLATE | 100 | 50 | R51.37-2 | |
| 48 | PLATE | 300 | 100 | R51.37-2 | |
| 49 | PLATE | 1040 | 400 | R51.37-2 | |
| 50 | PLATE | 100 | 180 | R51.37-2 | |
| | | SUMM. | | 050 | |



PLAN
100



SNITT A-A
110

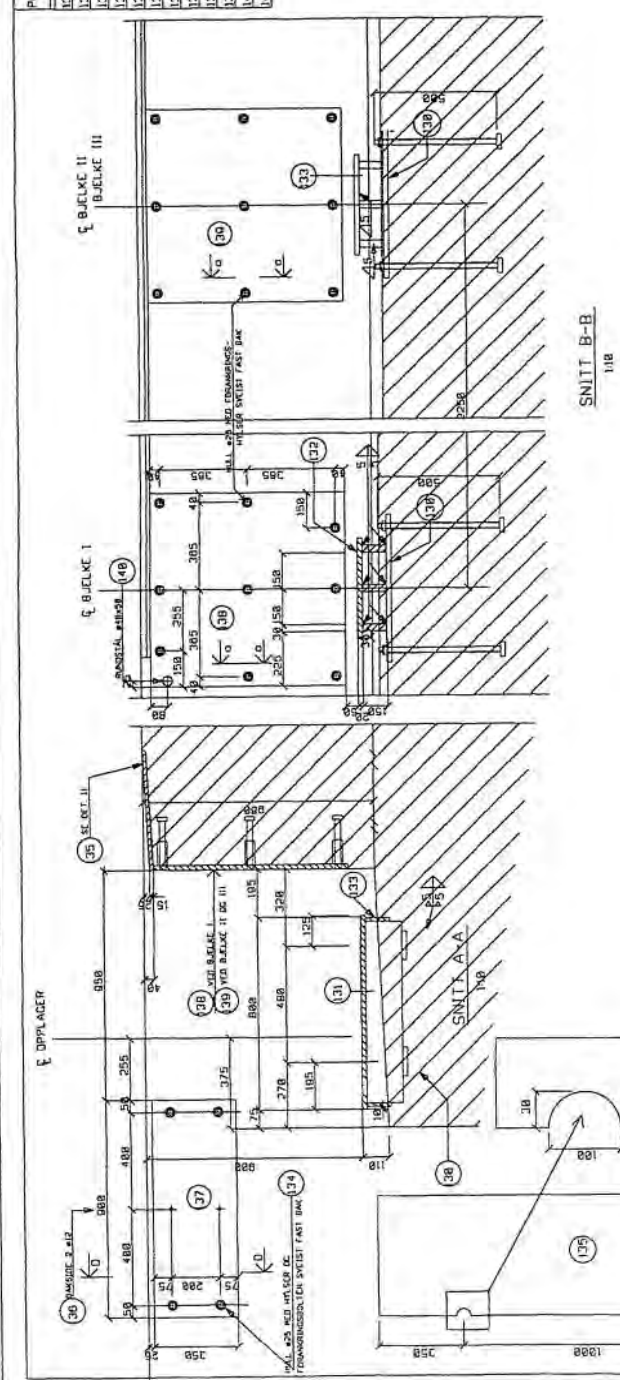


SNITT B-B
110

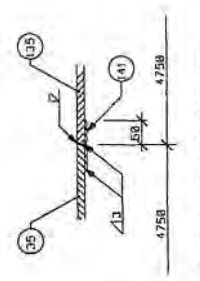
BEMERKNINGER:
1. FOR GITTERRIST, SE TEGN. 13

| | | | |
|-------------|--------------------------------------------|------|-----|
| BRUK | LOKAL STRØELSE PÅ POS. 48 OG 49 | DRUK | 1:1 |
| BYGGER | STATENS VEGVESEN | DRUK | 1:1 |
| BYGGENUMMER | Standard Ferjekaibru 9 x 18 | DRUK | 1:1 |
| BYGGENUMMER | PANELER BAK FRONTJELKE | DRUK | 1:1 |
| BYGGENUMMER | Vegvesenstøttets grunnlag, Oslo, Jan. 1968 | DRUK | 1:1 |
| BYGGENUMMER | H.T. Bjørnstad | DRUK | 1:1 |
| BYGGENUMMER | tegner | DRUK | 1:1 |
| BYGGENUMMER | 0. Kjøppe | DRUK | 1:1 |
| BYGGENUMMER | 1968 | DRUK | 1:1 |
| BYGGENUMMER | 91 | DRUK | 1:1 |
| BYGGENUMMER | 8 | DRUK | 1:1 |
| BYGGENUMMER | 06A | DRUK | 1:1 |

| POS. | ANT. | BEMÆKNELSE | DIMENSJONER mm | | VÆKT I kg | STÅL-
KVAL. | MERKNADER | |
|------|------|---------------------------|-----------------|--------------|-----------|----------------|------------|--|
| | | | LEGGES
11766 | 11766
4,1 | | | | |
| 130 | 16 | PLATE | 130 | 30 | 13 | RSL 37-P | | |
| 131 | 16 | PLATE | 250 | 30 | 28 | RSL 37-P | | |
| 132 | 5 | PLATE | 880 | 420 | 53 | HARDOX 400 | SBILISTAL | |
| 133 | 16 | PLATE | 230 | 180 | 15 | RSL 37-P | | |
| 134 | 5 | VEHO-HYLSER 10RBM M24x200 | - | - | - | - | EL. TILSV. | |
| 135 | 2 | PLATE | 4780 | 500 | 15 | RSL 37-P | | |
| 136 | 52 | KANSTAL Ø12 | 480 | - | 0,35 | R | KSTØRTS- | |
| 137 | 2 | PLATE | 680 | 350 | 18 | RSL 37-P | | |
| 138 | 3 | PLATE | 610 | 10 | 103 | RSL 37-P | | |
| 139 | 3 | PLATE | 810 | 18 | 103 | RSL 37-P | | |
| 140 | 1 | RUNDSTÅL Ø18 | 810 | 18 | 103 | RSL 37-P | | |
| 141 | 1 | PLATE | 50 | 10 | 1,5 | RSL 37-P | | |
| | | | 480 | 180 | 5 | 2 | RSL 37-P | |
| | | | | | SUM | | 1870 | |

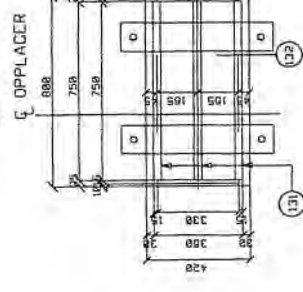
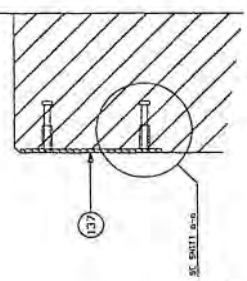
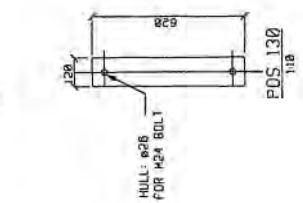
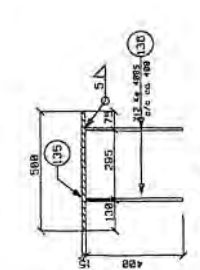


SNITT D-D
1/5

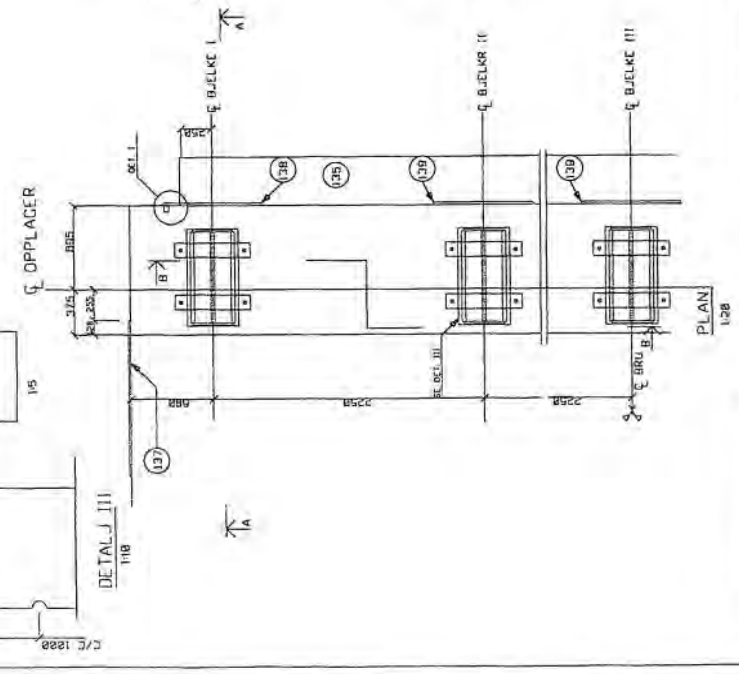


BEMÆKNINGER:

- PDS NR. 138 MÅ AVSTAGES I RIKTIG HØYDE SLIK AT AVVIK I HØYDE HELLEH ØR ENKELTE LAFER SKAL VÆRE MINST 3 mm PÅ HØYESTE TIL LAVESTE LAFER.
- DET LAGES I STIK PLATE PDS. NR. 138 SOM VIST PÅ TEGNING OG I STIK SPELLEMDØT OM Æ BRUKER.



DET. III
1/8



| DRUKT
Dato | AVSTAMPET
Dato | KORREKTUR
Dato | Tegning nr. | |
|---------------|-------------------|-------------------|-------------|---|
| | | | B | A |
| | | | 91 | B |

STATENS VECVESEN

Standard for Jakobluvg 9 x 181 10.1

TINNSTØPNINGSSKODES VED LANDMARKER

BRULLADERE

Vedtekningsskodes omskrivning, Dato, Avst. og H.T. vedrørende D.Klippinge (egenl)

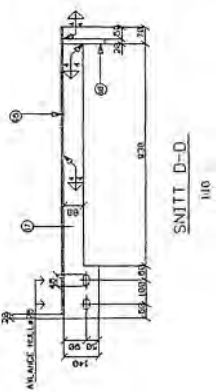
KONTAKT NR. 91 B

11.11.82

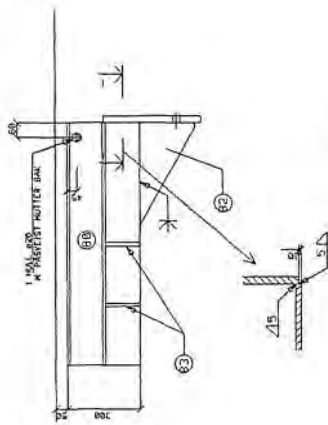
15

15882

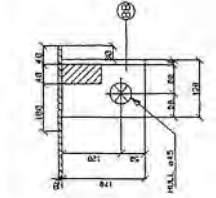
| POS. ANV. | BENEVLSE | DIMENSJONER mm VEKT I KIL | | | | STÅL-KVAL. | MERKNADER |
|-----------|-----------|------------------------------------|------|-------|----------|------------|-----------|
| | | UTSOG | BRØD | INNV. | PR. STK. | | |
| B0 | MESSE | 127 | 254 | | 4 | St. 37-2 | |
| B1 | PLATE | 1000 | 270 | 22 | 44 | St. 37-2 | |
| B2 | PLATE | 420 | 275 | 15 | 34 | R St. 37-2 | |
| B3 | PLATE | 270 | 144 | 15 | 20 | R St. 37-2 | |
| B4 | PLATE | 445 | 100 | 30 | 84 | R St. 37-2 | |
| B5 | | | | | | R St. 37-2 | |
| B6 | TAREPLATE | 1200 | 450 | 8 | 74 | R St. 37-2 | |
| B7 | PLATE | 1150 | 40 | 33 | 66 | R St. 37-2 | |
| B8 | PLATE | 276 | 120 | 20 | 33 | St. 52-3 | |
| B9 | | | | | | | |
| B00 | | | | | | | SUM 567 |



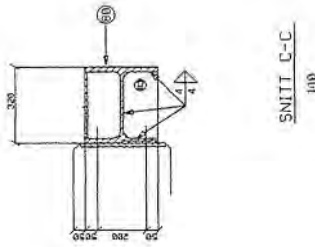
PLAN DEKKPLATE R/HØYDELÅS
1:10



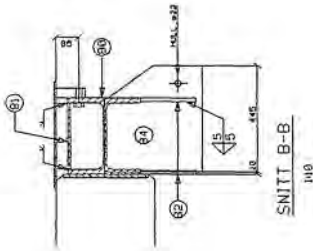
SNITT A-A
1:10



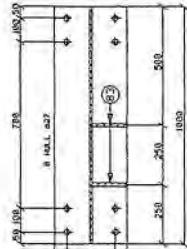
SNITT E-E
1:5



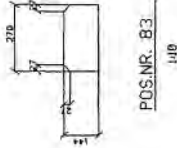
SNITT C-C
1:10



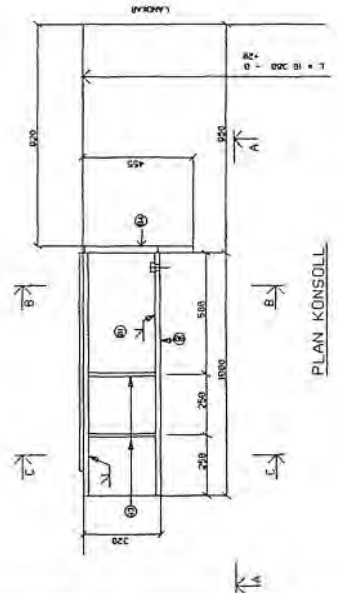
SNITT B-B
1:10



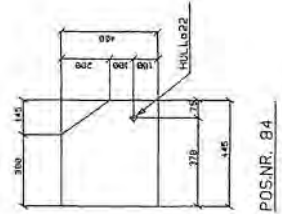
POS.NR. 80
1:10



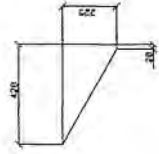
POS.NR. B3
1:10



PLAN KONSOLL
1:10



POS.NR. 84
1:10



POS.NR. 82
1:10

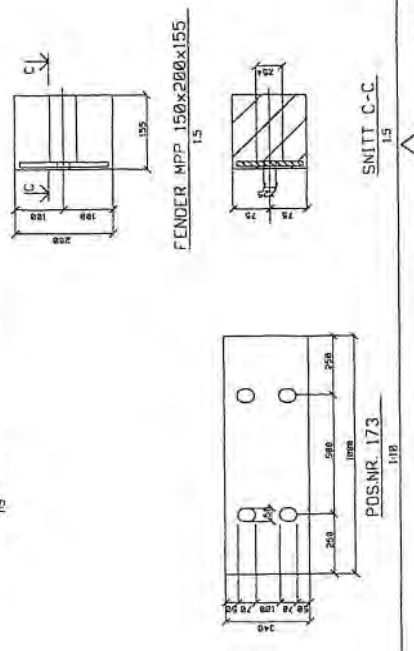
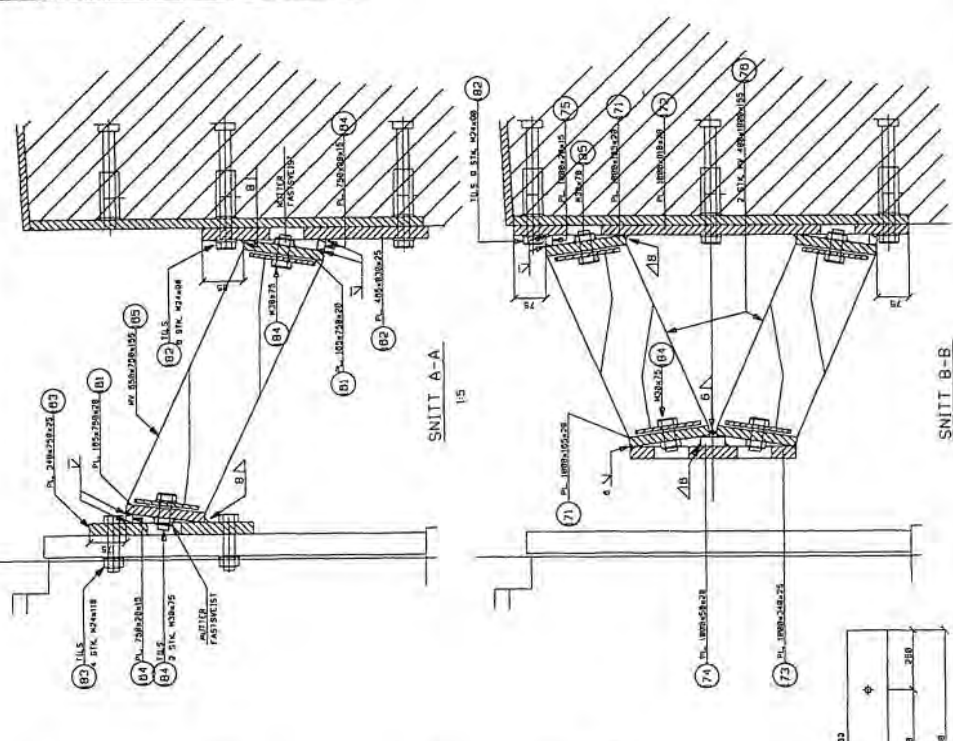
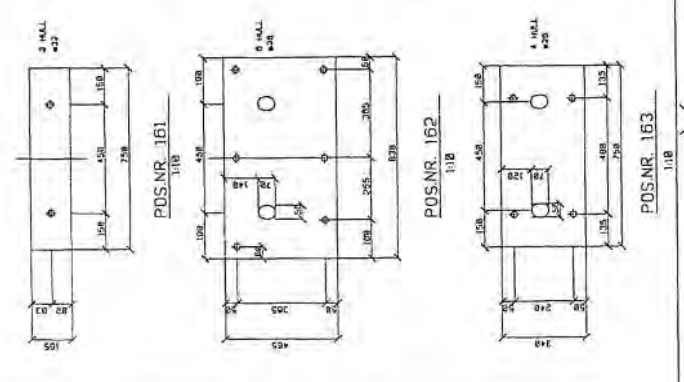
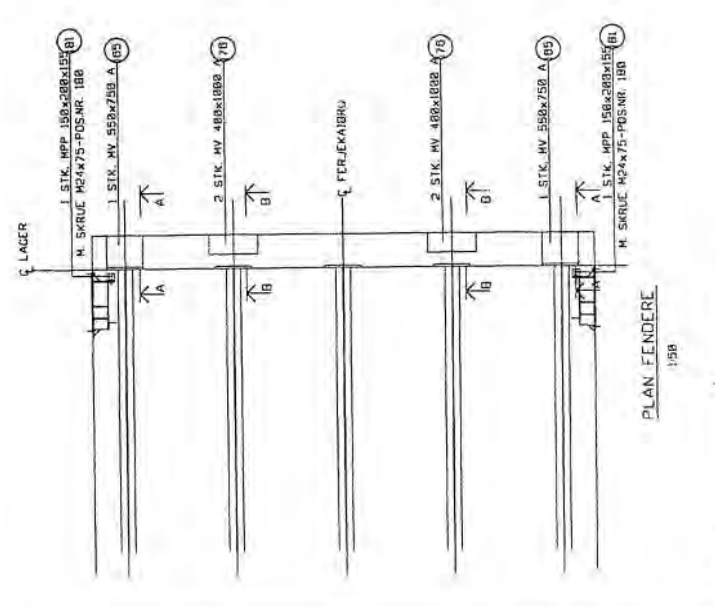
BEMERKNINGER:

1. DET LAGES TO KONSOLLER, EN SOM VIST PÅ TEIING OG EN SPEILVENDT OM Ç BRUGSÅS.
TILSV. FOR HØYDELÅS
2. DET TAS HÅL MELLOM BRUGSÆNS SIDER FØR
PRODUKSJON AV KONSOLLER.
KVIS TOLERANSE IKKE OVERHOLDRES, SE PLAN. HÅ
KONSOLLHÅL JUSTERES TILSV.

| DATE | REVISJON | REVISJON | AVTAKNING | UTSTAVNING | DRUKNING |
|------|----------|----------|-----------|------------|----------|
| | | 1 | 15 | 15 | 15 |
| | | | | | |
| | | | | | |
| | | | | | |

STATENS VECVESEN
Standard for jekabru: 9 x 18
KONSOLL OG DEKKPLATE VED LANDKAR.

| Vegetabilienhets Forskning, Omsetnings- og Forvaltningskontroll | | |
|-----------------------------------------------------------------|----------|-------|
| H.108/0104 | DK/Leppa | |
| 91 | 8 | 09-11 |



| POS. AMT. | BENÆVNELSE | DIKENSJØNER mm | VEKT I kg | STÅL-
KVAL. | MERKNADER | |
|-----------|------------------------|----------------|-----------|----------------|----------------|---------|
| 161 4 | PLATE | 750 105 | 28 10,4 | 78 | 43,37-2 | |
| 162 2 | PLATE | 670 405 | 25 75,7 | 102 | 43,37-2 | |
| 163 2 | PLATE | 750 340 | 25 50,1 | 101 | 43,37-2 | |
| 164 4 | PLATE | 750 20 | 15 7 | 35,37-2 | 106,144 405, 4 | |
| 165 2 | FENDER MW 550x750x155 | 1000 105 | 29 9 | 207 | 43,37-2 | |
| 171 1 | PLATE | 1000 810 | 20 | 127,2 | 254 | 43,37-2 |
| 172 2 | PLATE | 1000 340 | 25 | 65,7 | 134 | 43,37-2 |
| 173 2 | PLATE | 1000 50 | 20 | 7,8 | 10 | 43,37-2 |
| 174 4 | PLATE | 1000 20 | 15 | 2,4 | 10 | 43,37-2 |
| 176 4 | FENDER MW 400x1000x155 | 200 | 150 | 155 | 106,144 405, 4 | |
| 180 2 | SKRUE M. 2,4x7,5 | 200 | 150 | 155 | TRILLEX | |
| 181 2 | FENDER MPP | | | | | |
| 182 30 | SKRUE M. 2,4x80 | | | | B.B. | |
| 183 10 | SKRUE M. 10x110 | | | | B.B. | |
| 184 10 | SKRUE M. 30x75 | | | | B.B. | |
| 185 8 | SKRUE M. 30x70 | | | | B.B. | |
| SUM | | | | | 059 | |

BEKJÆVNINGER:
 1. GUMMIFENDER POSNR. 165 ØRR MONTERES ETTER AT ENDE-
 PLATENE POSNR. 161 ER MONTERT PÅ PLASSFØRHOLD.

| | | | | |
|-----------------------------------------------|---------------|----|---|----------|
| Statens vegvesen | D. M. 11 2018 | 91 | B | B 89-III |
| Standard for Jektebruv 9 x 18 | | | | |
| MV-FENDER | | | | |
| Vedlegg til: Teknisk beskrivelse, Gnr. 200/40 | D. M. 11 2018 | 91 | B | B 89-III |

MATERIALISTER (ANTALL PR. FENDER):

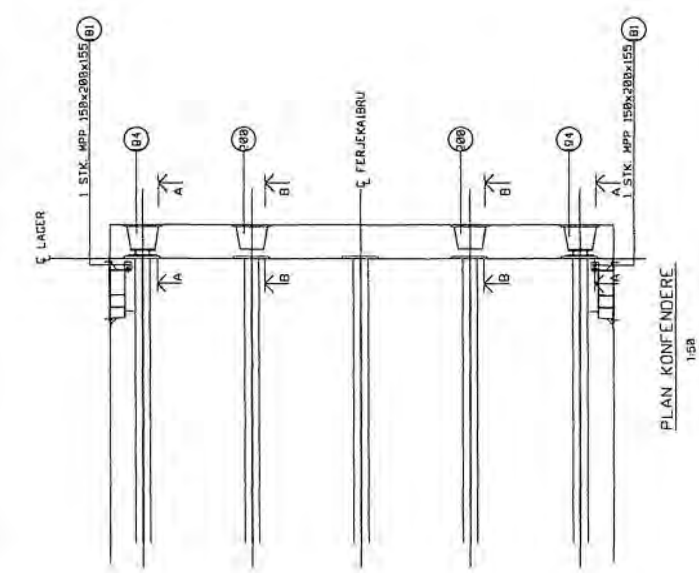
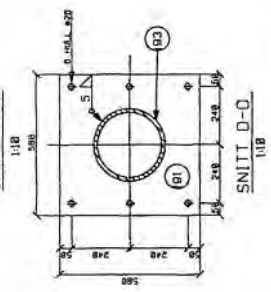
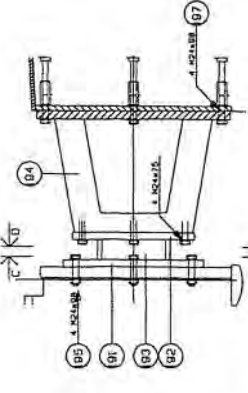
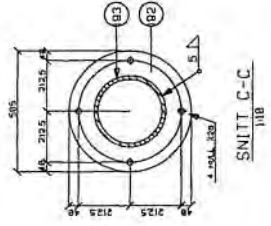
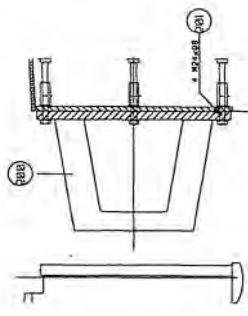
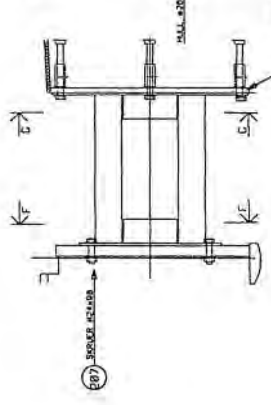
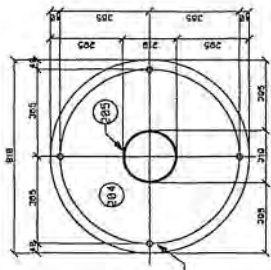
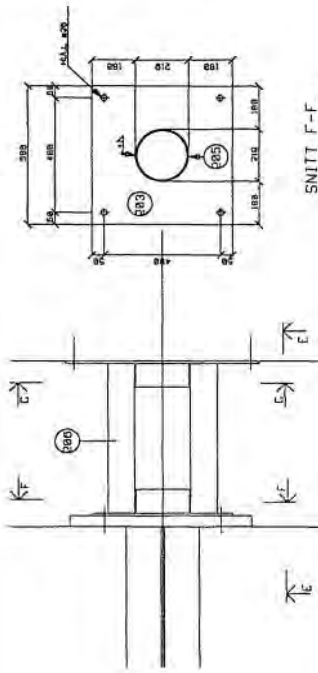
| POS. ANT. | BEN. V/MLSC | DIMENSJONER med VEKT I kg | STÅL-
KVAL. | MERKNADER |
|-----------|-------------|---------------------------|----------------|------------|
| 181 | PLATE | 588 588 10 79,3 88 | RSL-37-2 | |
| 182 | PLATE | 588 588 10 47,9 48 | RSL-37-2 | |
| 183 | RØR | Ø266,5 75 10 8,4 8 | RSL-37-2 | QUEENSLAND |
| 184 | CUMMIFLØYER | EM 588 | | |
| 185 | SKRIVER | M24x88 | | |
| 186 | SKRIVER | M24x75 | | |
| 187 | SKRIVER | M24x88 | | |
| | | SUM | 137 | |

KONFENDER TRYKK:

| | | | | |
|-----|-------------|--------|--|------------|
| 280 | CUMMIFLØYER | CM 588 | | QUEENSLAND |
| 281 | SKRIVER | M24x88 | | |

SIRKULÆRFENDER:

| | | | | |
|-----|-------------|--------------------|----------|------------|
| 283 | PLATE | 588 588 10 26,4 27 | RSL-37-2 | |
| 284 | PLATE | ø818 | 40,5 41 | RSL-37-2 |
| 285 | RØR | ø219 | 5 3,2 4 | RSL-37-2 |
| 286 | CUMMIFLØYER | ø458 | 10 | QUEENSLAND |
| 287 | SKRIVER | M24x88 | | |
| 288 | SKRIVER | M24x75 | | |
| | | SUM | 72 | |



| STÅL | | KVAL. | |
|------|----|-------|----|
| 181 | 18 | 18 | 18 |
| 182 | 18 | 18 | 18 |
| 183 | 18 | 18 | 18 |
| 184 | 18 | 18 | 18 |
| 185 | 18 | 18 | 18 |
| 186 | 18 | 18 | 18 |
| 187 | 18 | 18 | 18 |

STÅTENS VEGVESEN

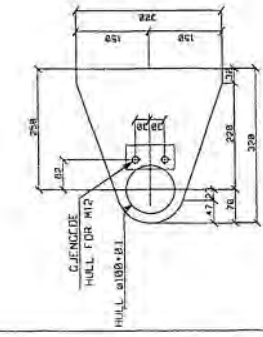
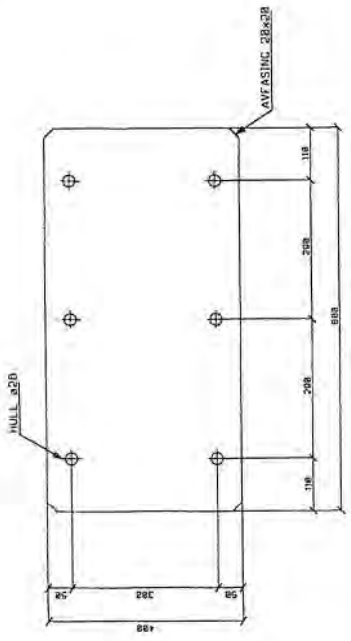
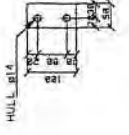
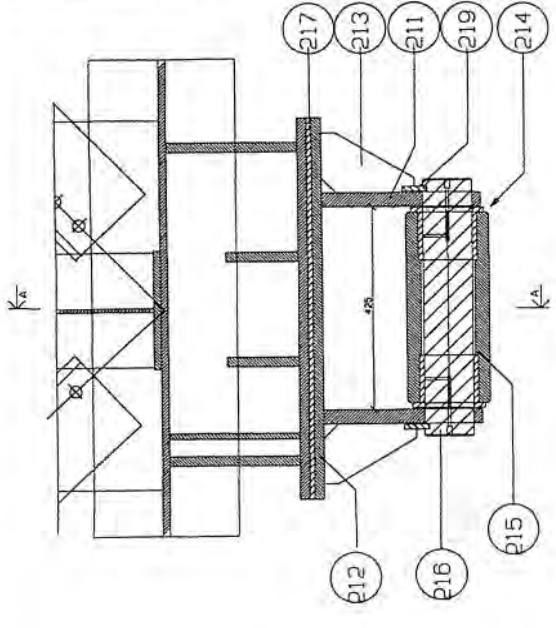
Standard Fer-jekobru 8 x 18

SYLINDER- OG KONFENDER.

Vegetarstatens brønning. 8. og 9. J. og 8. og 9. J. og 8. og 9. J.

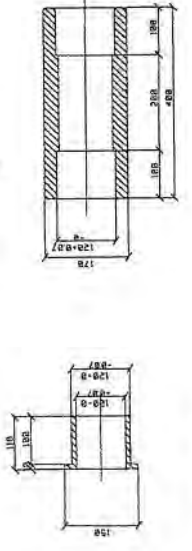
91 8 09-IV

| POS. ANT. | BENEVNELSE | DIMENSJONER mm | | VEKT i kg | STÅL-
KVAL | MERKNADE |
|-----------|-------------------|-----------------|----------------------|-----------|-----------------|----------|
| | | LØSSE
BREDDE | TYKKE
PÅ EKST. AL | | | |
| 211 4 | PLATE | 325 | 38 | 14,2 | RSL37-2 | - |
| 212 2 | PLATE | 808 | 488 | 37,7 | RSL37-2 | - |
| 213 4 | METALLEDRING Ø150 | 108 | 125 | 15 | RSL37-2 | - |
| 214 4 | METALLEDRING Ø150 | 118 | - | 14 | RSL37-2 | - |
| 215 2 | SKRUEFRØ 170x110 | 400 | - | 65,8 | RSL37-2 | - |
| 216 2 | AKSEL Ø100 | 540 | - | 23,3 | STRELA S18 2343 | - |
| 217 2 | PLATE | 808 | 488 | 26 | RSL37-2 | - |
| 218 - | - | - | - | - | - | - |
| 219 4 | PLATE | 108 | 56 | 18 | RSL37-2 | - |
| - 12 | SKRUEFRØ M24x70 | - | - | - | B8 | - |
| - 8 | SKRUEFRØ M24x6 | - | - | - | B8 | - |
| SUM | | | | | 355 | |

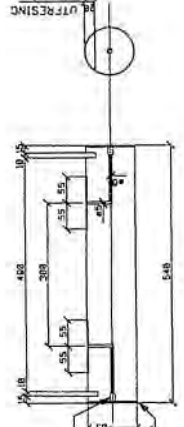


POS NR 212 OG 217
15

POS NR 211
15



POS NR 215
15



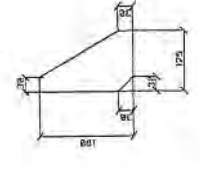
POS NR 216
15

BEMERKNINGER:
1. TYKKELSE AV PLATE POS NR 217 KJUNST TILPASSES ETTER KONTROLLING AV BRUBÅS.
KLARING HULLØH SIDESTYRING OG CLIDEPLATE SKAL VÆRE 28mm PÅ HVER SIDE AV TERKJAKAIBRU

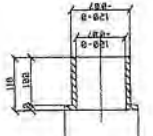
POS NR 219
15

SNITT B-B
15

SNITT A-A
15

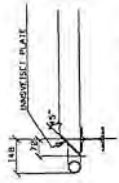
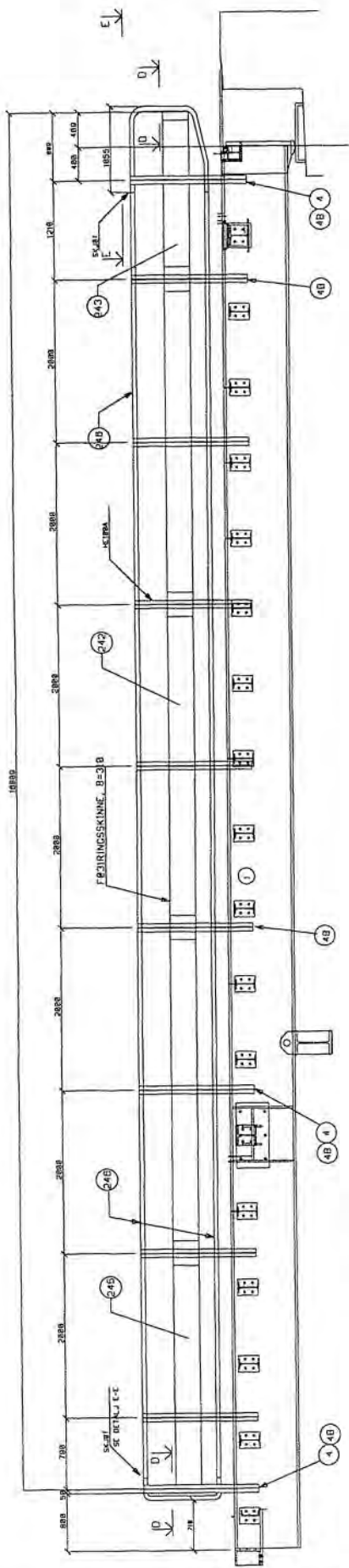


POS NR 213
15



POS NR 214
15

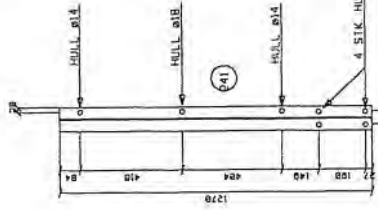
| DRUK | ARBEIDSTILTITTEL | DRUKTIL | DRUKTIL | DRUKTIL | DRUKTIL |
|----------------------------------------------------------------------------|--------------------------------|---------|---------|---------|---------|
| STÄTENS VEGVESEN | Standard for jekkebru 9 x 18 m | 16 | 15 | 16 | 16 |
| FREMRE SIDESTYRING, RULLENDE | Utpressing for | 16 | 15 | 16 | 16 |
| Ved utførelse av arbeidet skal det følges opplysningene i denne tegningen. | H. H. B. 90 | 91 | 8 | 10 | 10 |
| H. H. B. 90 | Dr. Kjøp | 91 | 8 | 10 | 10 |



SNITT D-D
118
KUN ANKORTET STANDARD ENDEAVSLUTNING ER VIST

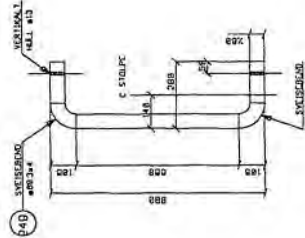


SNITT A-A
110
TYPISK

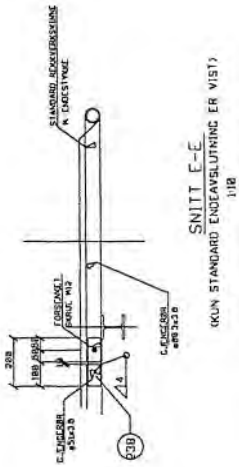


SNITT B-B
118
KUN STOLPE ER VIST

OPPRIS
125



ENDEAVSLUTNING, REKKVERSRØR
118



SNITT E-E
118
KUN STANDARD ENDEAVSLUTNING ER VIST

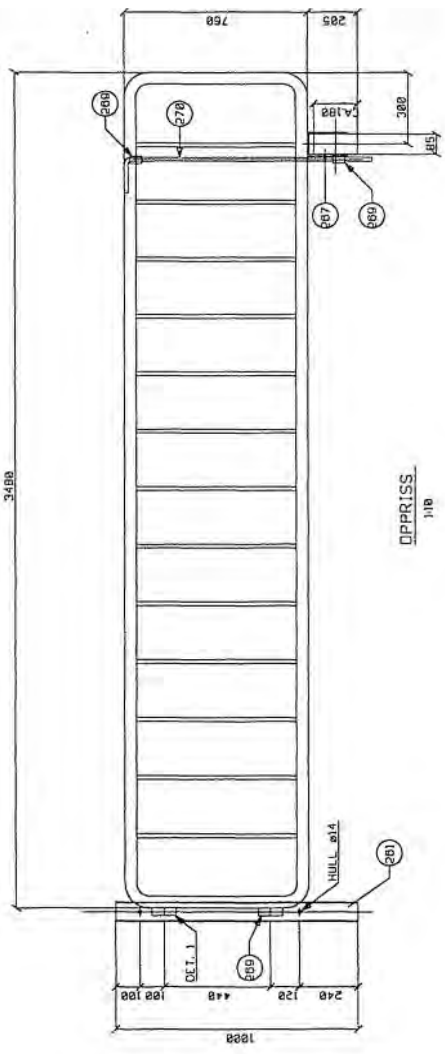
BEMERKNINGER:

- 1. STÅLKVALITET: FØRINGSKINNE: S1, S2.3 FØRØR: S1, S2.3
- 2. ALLE STÅLEDER SKAL VARNFORSKIMMES V ZN NS 1078 TIL BELEGGTYKKELSE MIN. 80µm
- 3. FOR SKRIVER REKKVERK-HOVBJØRNER, SE OVERSIKT TECH. 14 BVRICE SKRIVER INKLUDERES I REKKVERK.

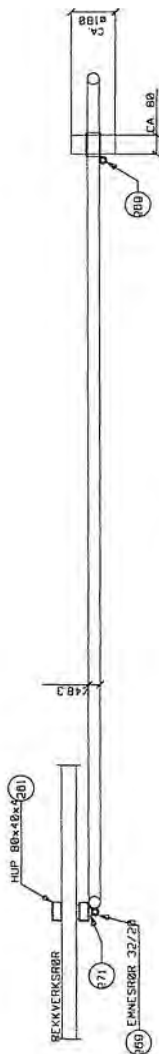
| POS | MNT. | BENOVNELSE | DIMENSJONER mm | VEKT I kg | STÅLKVAL | MERKNADER |
|-----|------|---------------------|----------------|-----------|----------|-----------|
| 241 | 20 | HE 180A | 1270 - 410 | 22 | A48 | RSL-37-2 |
| 242 | 20 | STANDARD REKKVERK | 430 - 40 | 204 | A48 | RSL-37-2 |
| 243 | 20 | STANDARD REKKVERK | 325 - 23 | 48 | A48 | RSL-37-2 |
| 244 | 20 | ENDESTYKKE | 850 - 10 | 28 | A48 | RSL-37-2 |
| 245 | 20 | ENDESTYKKE/SKINNE | 3010 - 35 | 72 | A48 | RSL-37-2 |
| 240 | 14 | GJENGERØR Ø80.3x1.0 | 73 H - 3 | 128 | A48 | RSL-37-2 |
| 246 | 14 | GJENGERØR Ø51x3.0 | 288 - 1 | 4 | A48 | RSL-37-2 |
| 240 | 14 | SVEISEBØD Ø80.3x4 | 1 - 1 | 4 | A48 | RSL-37-2 |
| SUM | | | | | 3087 | |

| S11815 DØR LEMER OG UTØRNING PÅ REKKVERK | | | |
|------------------------------------------|-------|----------|--|
| Best. | Menge | Utdeling | |
| | 105 | 118 | |
| STATENS VEGVESEN | | | |
| Standard for jektebru 9 x 18 | | | |
| BRUKSOMRÅDE | | | |
| vegforsvarerens brønnveg, elv, jet-Ø8 | | | |
| H.T. Bøttud | | | |
| Ø91 B 12-18 | | | |

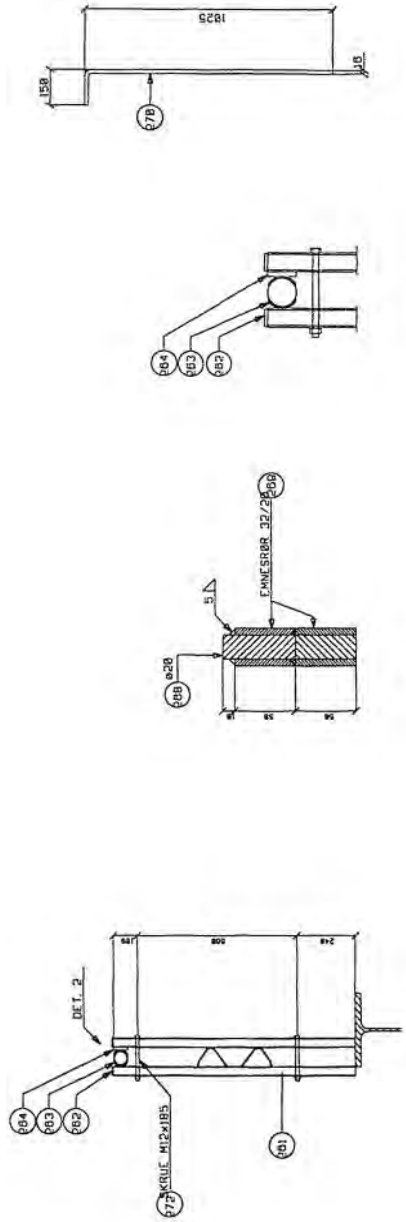
| POS. ANT. | BEMÆLNELSE | DIMENSJONER med VEKT 1 kg | | STÅL-
KVAL. | MERKNADER |
|-----------|------------------|---------------------------|------------------|----------------|-----------|
| | | LØSSEL 3500L 1100x | SL. ST. I. A. I. | | |
| 261 | HUP 80x48x4 | 1990 | 7 | SL44-3N | - |
| 262 | PLATE | 76 | 6 | RSL37-2 | - |
| 263 | 1/3 RBR 76,1x3,2 | 66 | - | RSL37-2 | - |
| 264 | PLATE | 66 | 18 | RSL37-2 | - |
| 265 | RBR 48,7x3,0 | 850 | - | RSL37-2 | - |
| 266 | RUNDESTÅL ø16 | 693 | 1 | RSL37-2 | - |
| 267 | HJUL AV NYLON | - | - | RSL37-2 | - |
| 268 | RUNDESTÅL ø20 | 110 | 1 | RSL37-2 | - |
| 269 | EMNESØR 32/20 | 59 | - | SL52-3N | - |
| 270 | RUNDESTÅL ø16 | 175 | 2 | RSL37-2 | - |
| 271 | PLATE | 66 | 18 | RSL37-2 | - |
| 272 | SKRIVER M12x185 | - | - | SL52-3N | - |
| SUM | | | | | 127 |



OPPRISS
118



PLAN
118



PIS. NR. 270
118

DET. 2
115

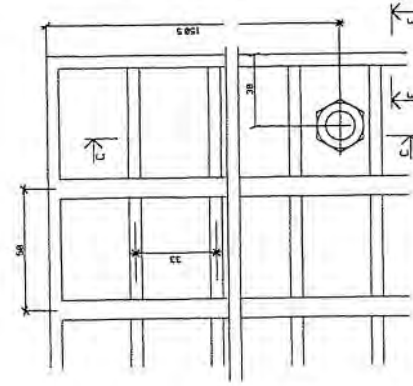
DET. 1
112

SNITT A-A
118

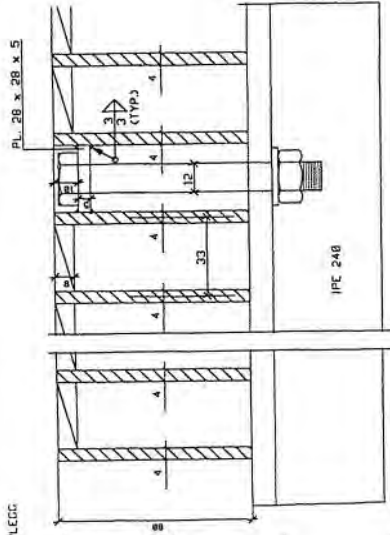
BEMERKNINGER:

1. HVOR IKKE ANNET SVICIS ER VIST, BRUKES KILSVICIS 4.

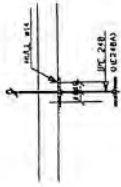
| | | | |
|------------------------------------|--|---------------|--|
| STATENS VEGVESEN | | Lager | |
| Standard ferjekabru 9 x 18 | | No. 1 | |
| RULLEPORT | | Etterskjering | |
| Tegningens betegnelse: Stat. 30708 | | Lage: 8 | |
| H. E. Østerud | | 91 | |
| Lage | | 12-11 | |



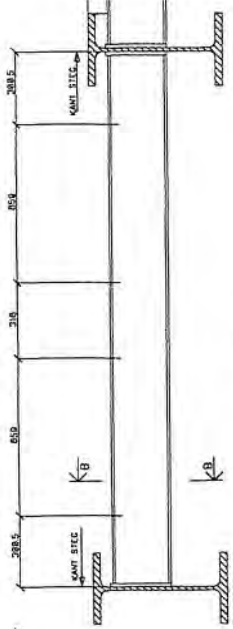
DETALJ, NR.1. OG 2.
11



DETALJ (SNITT C-C)
11



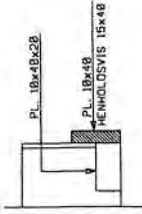
SNITT B-B
118



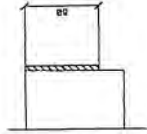
SNITT A-A
TYPISK SNITT
118



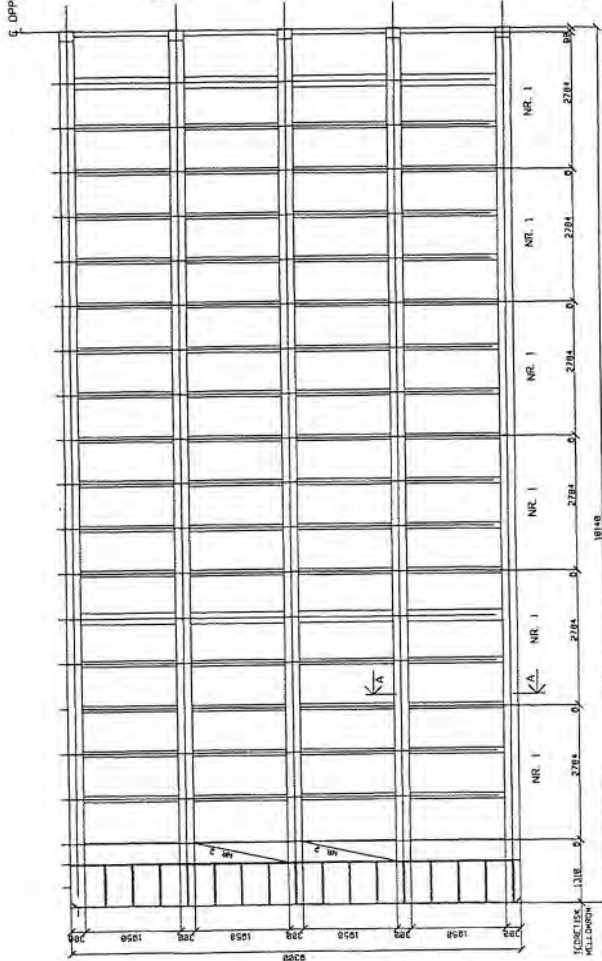
DPPRISS FORPLATE
118



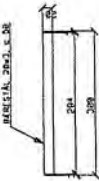
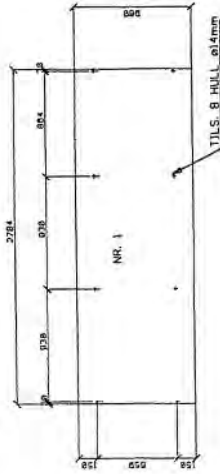
SNITT F-F
12



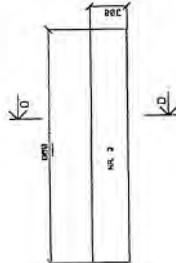
SNITT E-E
12



PLAN
158



SNITT D-D
15



BEMERKNINGER:

1. BERESTELET SKAL VÆRE SAGTAGT
2. STÅLKVALITET: SLE-3, TEMP. KONTR. VALSING
3. CITERRISTER SKAL VARMFORSINKE V 2r NS 1878 TIL BELLECITTELSE MIN. 115mm
4. ANTALL: NR. 1, 48 STK NR. 2, 4 STK
5. HULL Ø14 I TVERRBJELKER BORES VED MONTERING AV RISTER
6. ANTALL FORPLATER: 18mm, 3 STK 15mm, 3 STK

CITERRISTER SKYVES SAMMEN I LENGDERETNINGEN OG FORPLATER LEGGES MED 1 BEGGE ENDER.

| Dr. Nr. | Antall | Pl. Nr. | Dr. Nr. | Pl. Nr. |
|---------|--------|---------|---------|---------|
| 108 | 3 | 15 | 108 | 3 |
| 15 | 3 | 18 | 15 | 3 |

STATENS VEGVESEN
Standard ferjekobru, 9 x 18 m

| Dr. Nr. | Antall | Pl. Nr. | Dr. Nr. | Pl. Nr. |
|---------|--------|---------|---------|---------|
| 108 | 3 | 15 | 108 | 3 |
| 15 | 3 | 18 | 15 | 3 |

CITERRISTER
Veggmateriale brukning, Dr. 147-06
HT. Østerrud Kleppa
Østerrud
91 8 13

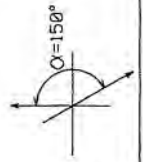
SKRUESPESIFIKASJON

| KONSTRUKSJONSDEL | DIMENSJON | ANTALL | FASTHETS-
KLASSE | KFR.
TEGN. |
|---------------------------------------|-----------|--------|---------------------|---------------|
| TVERRBJELKER/YTTERBJELKER | M24x65 | 144 | 8.8 | Ø2-I, Ø3 |
| TVERRBJELKER/INNERBJELKER | M24x80 | 215 | 8.8 | Ø2-II, Ø3 |
| FAGVERK/KNUTEPKT. | M24x80 | 88 | 8.8 | Ø5-I, Ø5-II |
| FAGVERK/KNUTEPKT. (DET. I, V, VII) | M24x90 | 24 | 8.8 | Ø5-I, Ø5-II |
| FRONTBJELKE/HOVEDBJELKER | M24x80 | 70 | 8.8 | Ø4-I, Ø4-II |
| FRONTBJELKE/BRACKETT | M24x70 | 32 | 8.8 | Ø4-I, Ø4-II |
| HEISEBJELKE/HOVEDBJELKER | M24x90 | 20 | 8.8 | Ø5-I, Ø7 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x60 | 12 | 8.8 | Ø2-I, -II, Ø8 |
| BAKRE TVERRBJELKE/HOVEDBJELKER | M20x70 | 12 | 8.8 | Ø2-I, -II, Ø8 |
| OVERGANGSPATE/HOVEDBJELKER | M24x80 | 2 | 8.8 | Ø2-I, -II, Ø8 |
| GITTERRISTER/TVERRBJELKER | M12x100 | 384 | 8.8 | 13 |
| GITTERRIST NR. 2 | M10x50 | 16 | 8.8 | Ø6 |
| KONSOLLER, BAKRE SIDESTYRING | M24x75 | 8 | 8.8 | Ø9-II |
| KONSOLLER, BAKRE SIDESTYRING (FENDER) | M24x80 | 2 | 8.8 | Ø9-II |
| REKKVERK/HOVEDBJELKER | M18x50 | 72 | 8.8 | 12 |

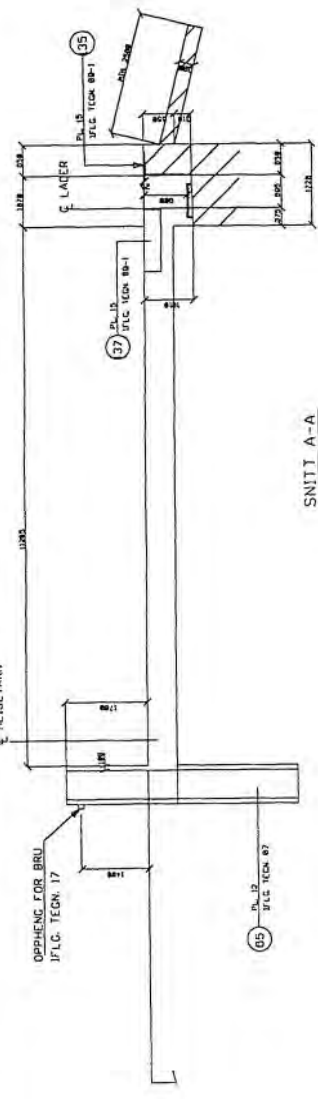
DIMENSJONER ETTER NS 5720/NS 5721 OG FASTHETSKLASSE 8.8 IFLG. NS 5750
SEKSKANTMUTTERE IFLG. NS 5730 OG FASTHETSKLASSE 8 IFLG. NS 5751
UNDERLAGSSKIVER ETTER DIN 125 MED BRINELLHARDHET HB 200
SKRUER, MUTTERE OG SKIVER SKAL VÆRE I VARMFORSINKET UTFØRELSE
ALLE SKRUER SKAL HA UNDERLAGSSKIVE UNDER HODE OG MUTTER

TILSETTING AV SKRUER:

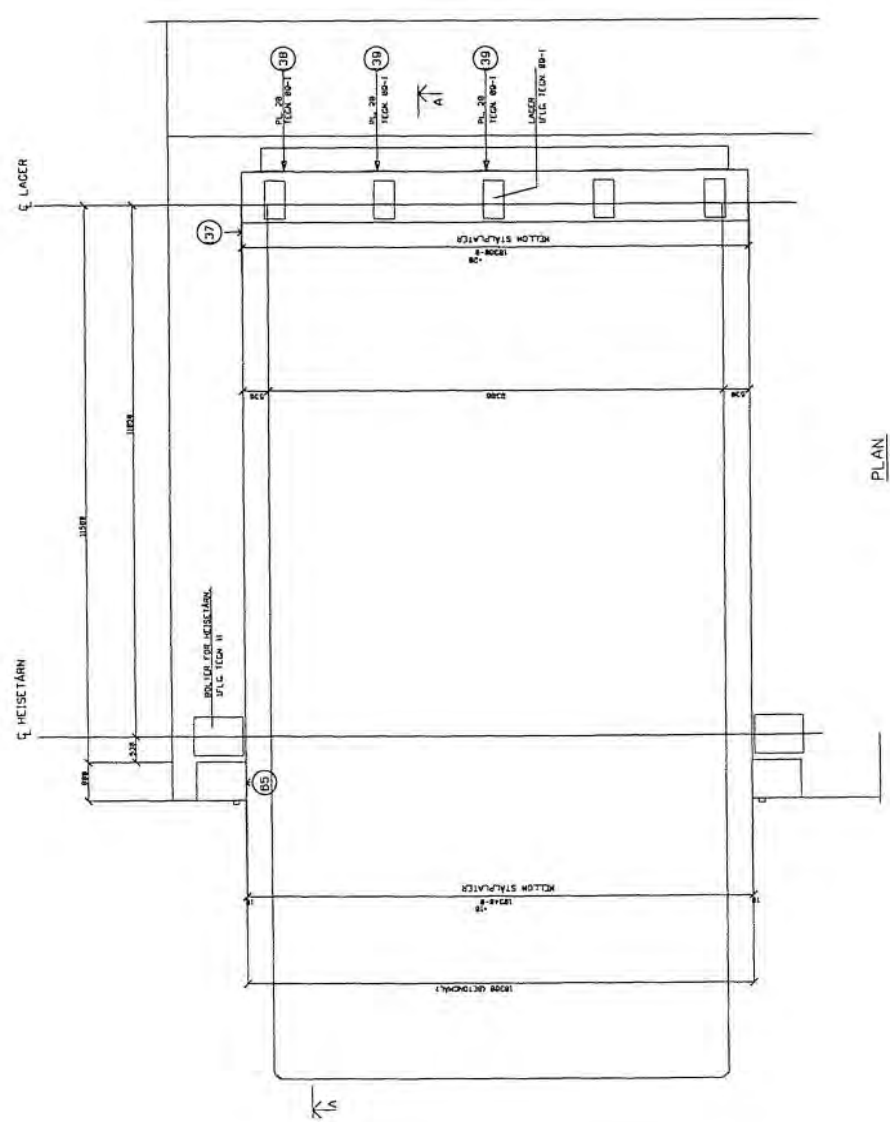
SKRUENE SETTES FAST TIL FOR HÅND MED VANLIG NØKKELE, SLIK AT
TILSTØTENDE FLATER LIGGER TETT SAMMEN (SNUG-TIGHT)
PÅSE AT FLATENE ER RENE OG GLATTE SLIK AT LETT SAMMEN-
PRESSING IKKE HINDRES. DERETTER MERKES MUTTERENS POSISJON
I FORHOLD TIL SKRUEN. TIL SLUTT DREIES MUTTEREN (EVT. SKRUEN)
EN VINKEL $\alpha = 150^\circ$



| Dato | Rettelsete | Merke | Ret.Let. | Kfr. |
|----------------------------------------------------|------------|-----------------|----------|----------|
| | | Hörestock | II | 15.01.92 |
| | | | HE | 15.01.92 |
| | | Mål i mm | | |
| | | Erstatning for: | | |
| STATENS VEGVESEN | | | | |
| Standard ferjekaibr: 9 x 18 | | | | |
| SKRUER, MUTTERE OG SKIVER FOR
BRUKONSTRUKSJON - | | | | |
| Vegdirektoratets bruavdeling, Oslo, Juni-96 | | | | |
| H.T.Øderud
(sign) | | | | |
| Øikleppe
(sign) | | | | |
| Varsjon: | 91 | St. Nr.: | 8 | Bl. Nr.: |
| | | | | 14 |



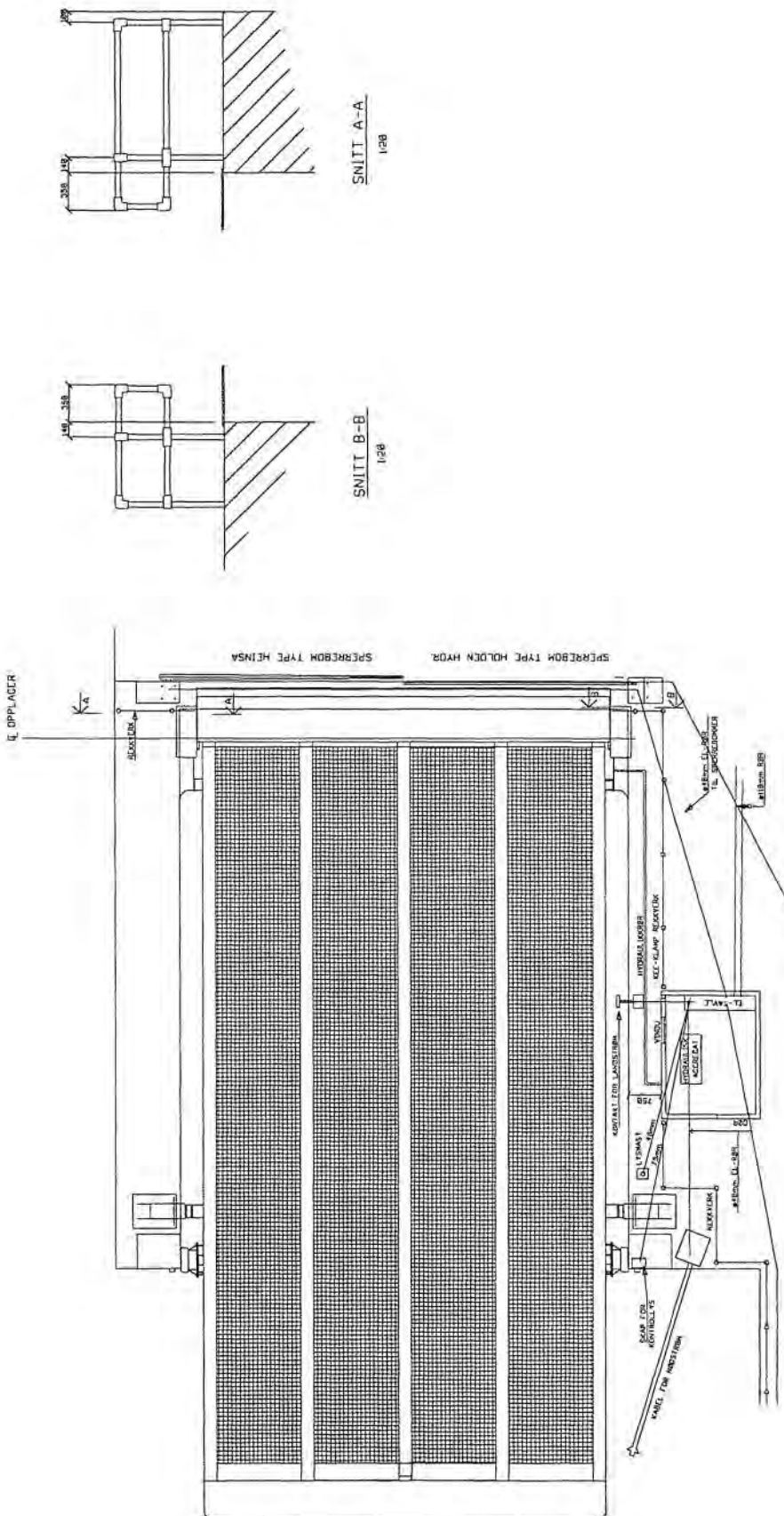
SNITT A-A
1:50



PLAN
1:50

BEMERKNINGER:
 1. BETONGARBEIDENE UTFØRES PÅ EN SLIK MÅTE AT ANGITTE TOLERANSEKRAV KAN OPPNÅS.

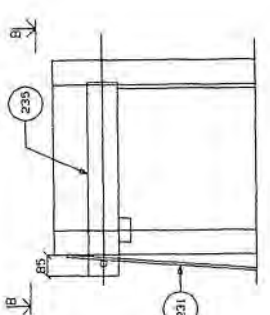
| | | | | | | | |
|-----------------------------------------|--|--------------|--|-------|--|-----|--|
| Dato | | Revisjon | | Blatt | | Ark | |
| 10.08 | | 10.08 | | 11 | | 15 | |
| Standard Ferjekabru 9 x 18 | | No 1 | | | | | |
| BETONGMÅL | | Etablert av | | | | | |
| Vegetasjonsmessig Forordning Oslo, 1969 | | Klassif. Nr. | | 91 | | 8 | |
| H.1388end | | Oklapp | | | | | |
| 1997 | | 1997 | | | | | |



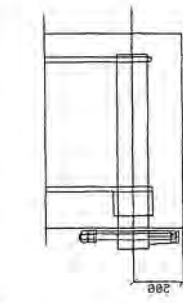
PLAN
1:20

| | | | | | |
|--------------------------------------|--|--------------------------------------|--|--------------------------------------|--|
| Dato | | Blade | | Arkiv | |
| Tegning | | 1:20 | | 1:20 | |
| STATENS VEGVESEN | | Statens Vegvesen | | Statens Vegvesen | |
| Standard for Jekkabrui B x 18 | | Standard for Jekkabrui B x 18 | | Standard for Jekkabrui B x 18 | |
| UTSTYR | | Utstyr | | Utstyr | |
| Vegvesenstatens Prosjekt, Dir. 40/00 | | Vegvesenstatens Prosjekt, Dir. 40/00 | | Vegvesenstatens Prosjekt, Dir. 40/00 | |
| H. I. Østerud | | H. I. Østerud | | H. I. Østerud | |
| Økteppe | | Økteppe | | Økteppe | |
| 1991 | | 1991 | | 1991 | |
| 16 | | 16 | | 16 | |

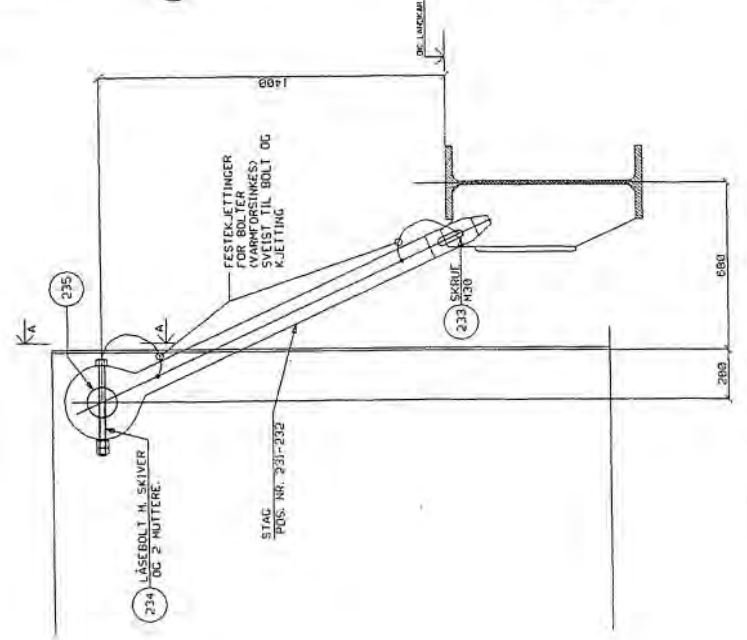
| POS | ANT. | BENÆVNELSE | DIMENSJONER mm | | STÅLKVALITET |
|-----|------|----------------|----------------|-------|------------------|
| | | | LØSSE | THICK | |
| 231 | 2 | PLATE | 1800 | 10 | S4.52-3 (F4500D) |
| 232 | 4 | PLATE | 104 | 8 | S4.52-3 (F4500D) |
| 233 | 2 | SKRUE M30x130 | - | - | M8.8 |
| 234 | 2 | SKRUE M24x355 | - | - | M8.8 |
| 235 | 2 | BRUNNSTÅL 0128 | 800 | - | (F4500D) |
| 236 | 2 | PLATE | 100 | 50 | S4.52-3 (F4500D) |
| 237 | 4 | PLATE | 58 | 30 | S4.52-3 (F4500D) |
| 238 | 4 | KANSTÅL Ø20 | 1500 | - | M500TS |
| SUM | | | 225 | | |



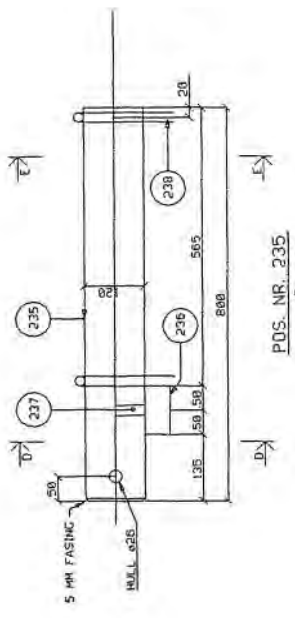
SNITT A-A
1/10



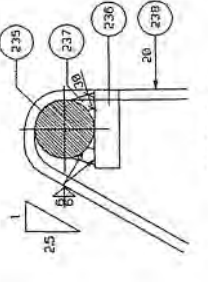
SNITT B-B
1/10



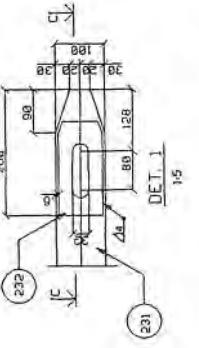
OPPRISS MOT FRONTSØYLE
1/10



POS. NR. 235
1/5



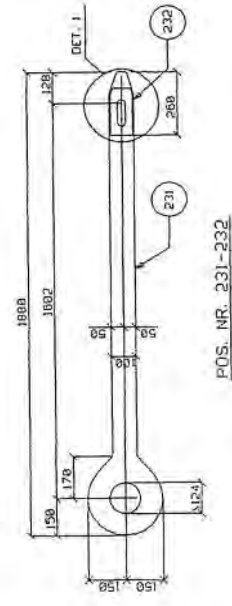
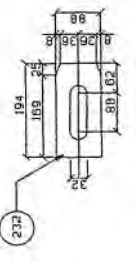
SNITT D-D
1/5



DET. 1
1/5



SNITT C-C
1/5



POS. NR. 231-232
1/10

BEMERKNING:
1. BRUPPHEDET LAGGS I SPELLENDOT UTFEIRELSE FOR NOTSNITT FRONTSØYLE.

| PROSJEKT | BYGNING | BYGNINGSTYP | BYGNINGSNUM | BYGNINGS | ÅR | |
|----------------------------------|----------|------------------------------|-------------|----------|-------|-------|
| | | | | | DRUK | KR. |
| STATENS | VEGVESEN | Standard for jøkkabur 9 x 18 | 1/10 | 1/5 | 10/01 | 15/01 |
| | | | | | 15/01 | 15/01 |
| BRUPPHEING FOR VEDLEIKHOLD | | | | | 92 | 8 |
| Veggrustens bruinging. Det. 1-10 | | | | | 92 | 8 |



Statens vegvesen

Vegdirektoratet
Håndboksekretariatet
Boks 8142 Dep.,
0033 OSLO

Tlf. 22073500
Fax 22073340

ISBN 82-7207-420-6

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