



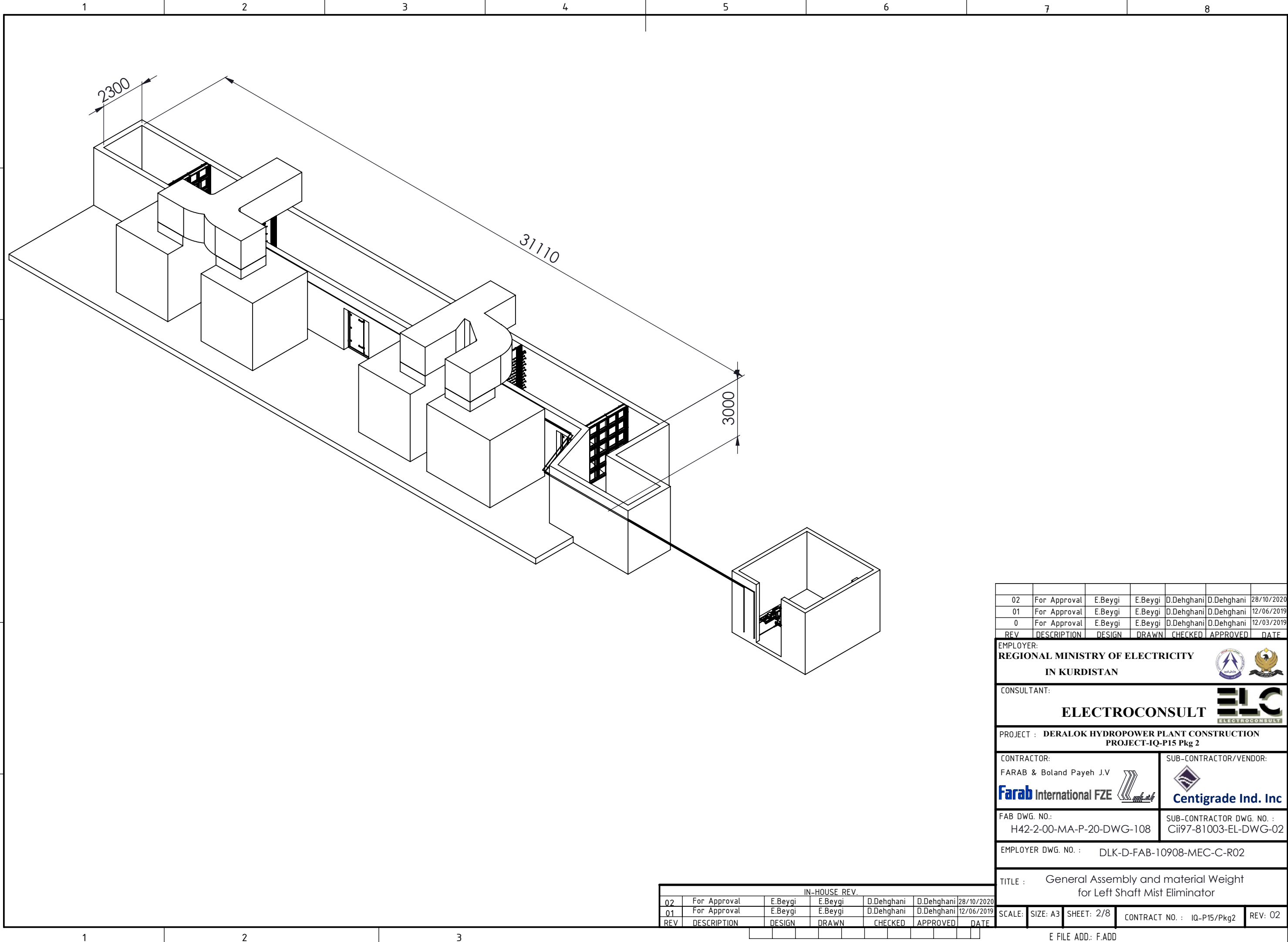


PART LIST FOR "ONE UNIT"						
Item NO.	Part name	Description	Material	Weight	QTY.	T.Weight
1	Assem-masonry1				1	0
2	Right shaft-Nozzle bank				1	0
3	Left shaft-Nozzle bank				1	0
4	Right shaft- Pump unit				1	0
5	Left shaft- Pump unit				1	0
6	Right shaft -Access door				1	0
7	Left shaft -Access door				1	0
8	Left shaft- Air baffle (Louver)				1	0
9	Right shaft- Air baffle(Louver)				1	0
10	Mist Eliminator				2	0
11	Fog nozzle room				1	0
12	Control panel				1	0
13	Right shaft-Piping (As a loose part)	1/2" sch.40	AISI 316		1	0
14	Right shaft-Piping (As a loose part)	1/2" sch.40	AISI 316		1	0
15	Main inspection door				1	0

IN-HOUSE REV.						
02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

02	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE
EMPLOYER: REGIONAL MINISTRY OF ELECTRICITY IN KURDISTAN						
CONSULTANT:  ELECTROCONSULT				  		
PROJECT : DERALOK HYDROPOWER PLANT CONSTRUCTION PROJECT-IQ-P15 Pkg 2						
CONTRACTOR: FARAB & Boland Payeh J.V 				SUB-CONTRACTOR/VENDOR:  Centigrade Ind. Inc		
FAB DWG. NO.: H42-2-00-MA-P-20-DWG-108				SUB-CONTRACTOR DWG. NO. : Cii97-81003-EL-DWG-02		
EMPLOYER DWG. NO. : DLK-D-FAB-10908-MEC-C-R02						
TITLE : General Assembly and material Weight for Left Shaft Mist Eliminator						
SCALE:	SIZE: A3	SHEET: 1/8	CONTRACT NO. : IQ-P15/Pkg2			REV: 02



02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
REGIONAL MINISTRY OF ELECTRICITY  
IN KURDISTAN



CONSULTANT:  
ELECTROCONSULT



PROJECT : DERALOK HYDROPOWER PLANT CONSTRUCTION  
PROJECT-IQ-P15 Pkg 2

CONTRACTOR:  
FARAB & Boland Payeh J.V  
Farab International FZE



SUB-CONTRACTOR/VENDOR:  
Centigrade Ind. Inc



FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

SUB-CONTRACTOR DWG. NO. :  
Cii97-81003-EL-DWG-02

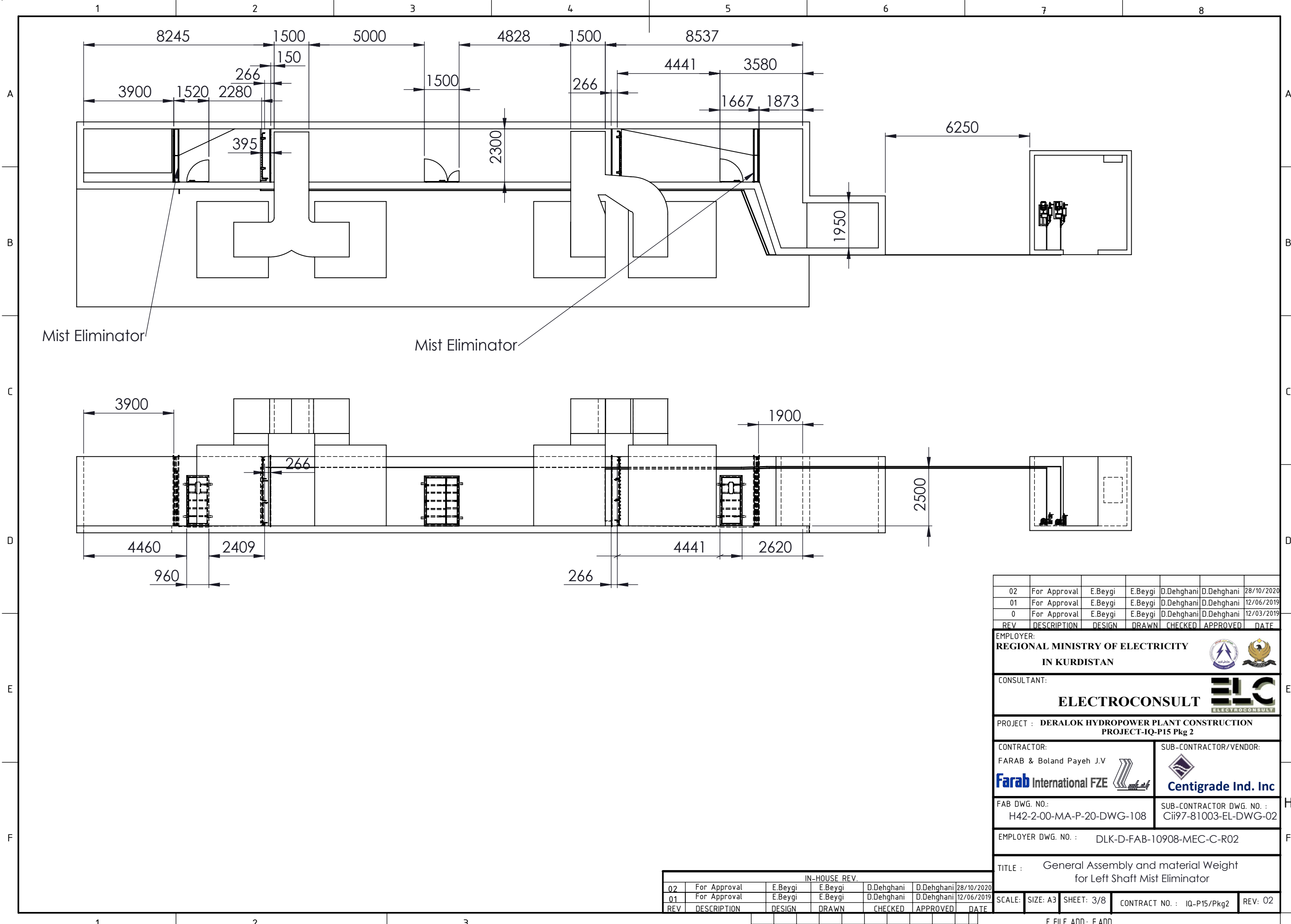
EMPLOYER DWG. NO. :  
DLK-D-FAB-10908-MEC-C-R02

TITLE :  
General Assembly and material Weight  
for Left Shaft Mist Eliminator

IN-HOUSE REV.						
02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE: SIZE: A3 SHEET: 2/8 CONTRACT NO. : IQ-P15/Pkg2 REV: 02

E FILE ADD.: F.ADD



02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR:  
**FARAB & Boland Payeh J.V**  
**Farab International FZE**

SUB-CONTRACTOR/VENDOR:  
**Centigrade Ind. Inc**

FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

SUB-CONTRACTOR DWG. NO. :  
Cii97-81003-EL-DWG-02

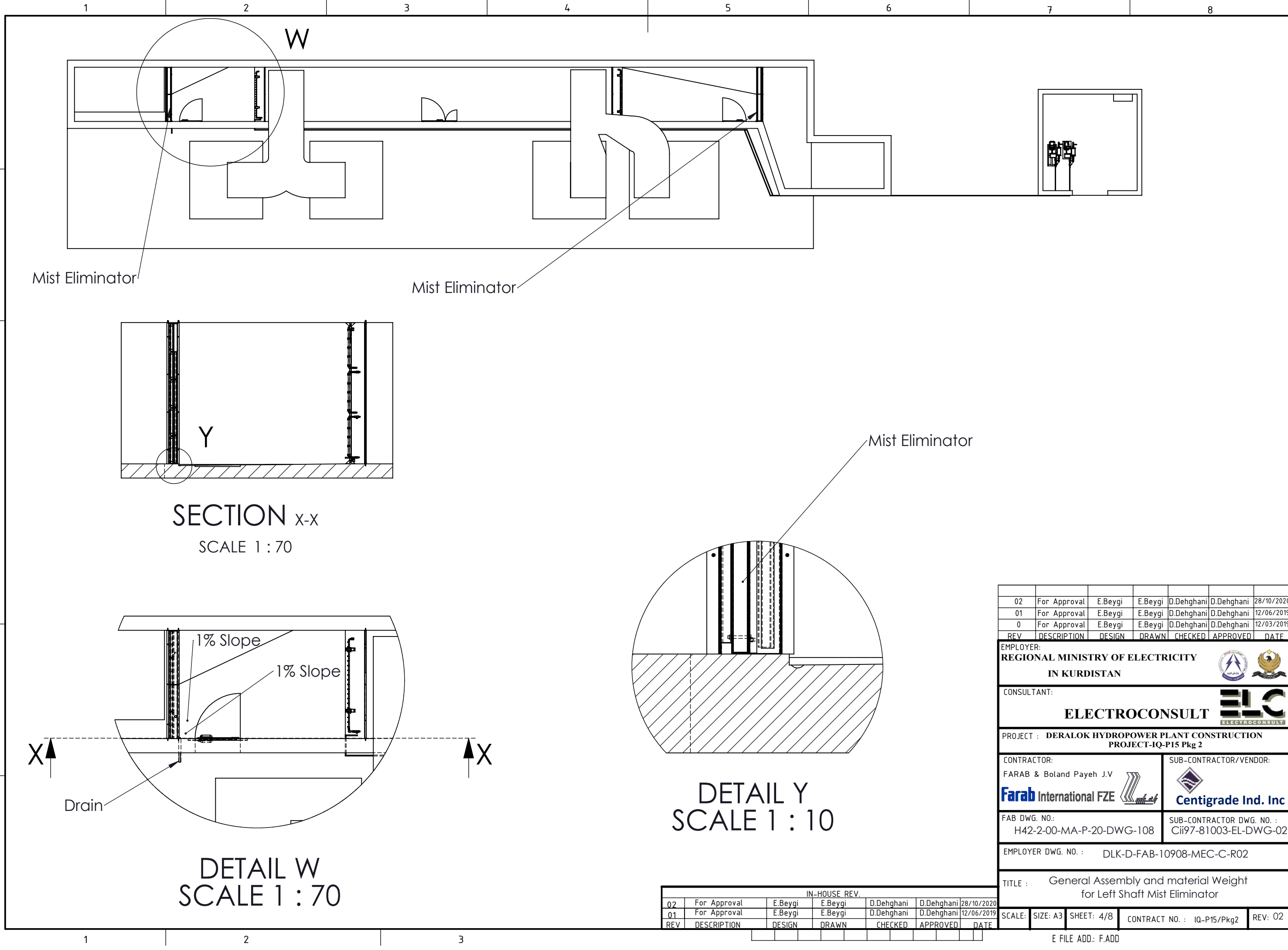
EMPLOYER DWG. NO. :  
DLK-D-FAB-10908-MEC-C-R02

TITLE :  
**General Assembly and material Weight  
for Left Shaft Mist Eliminator**

02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE: SIZE: A3 SHEET: 3/8 CONTRACT NO. : IQ-P15/Pkg2 REV: 02

E FILE ADD: F.ADD



02	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR:  
**FARAB & Boland Payeh J.V**  
**Farab International FZE**

SUB-CONTRACTOR/VENDOR:  
**Centigrade Ind. Inc**

FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

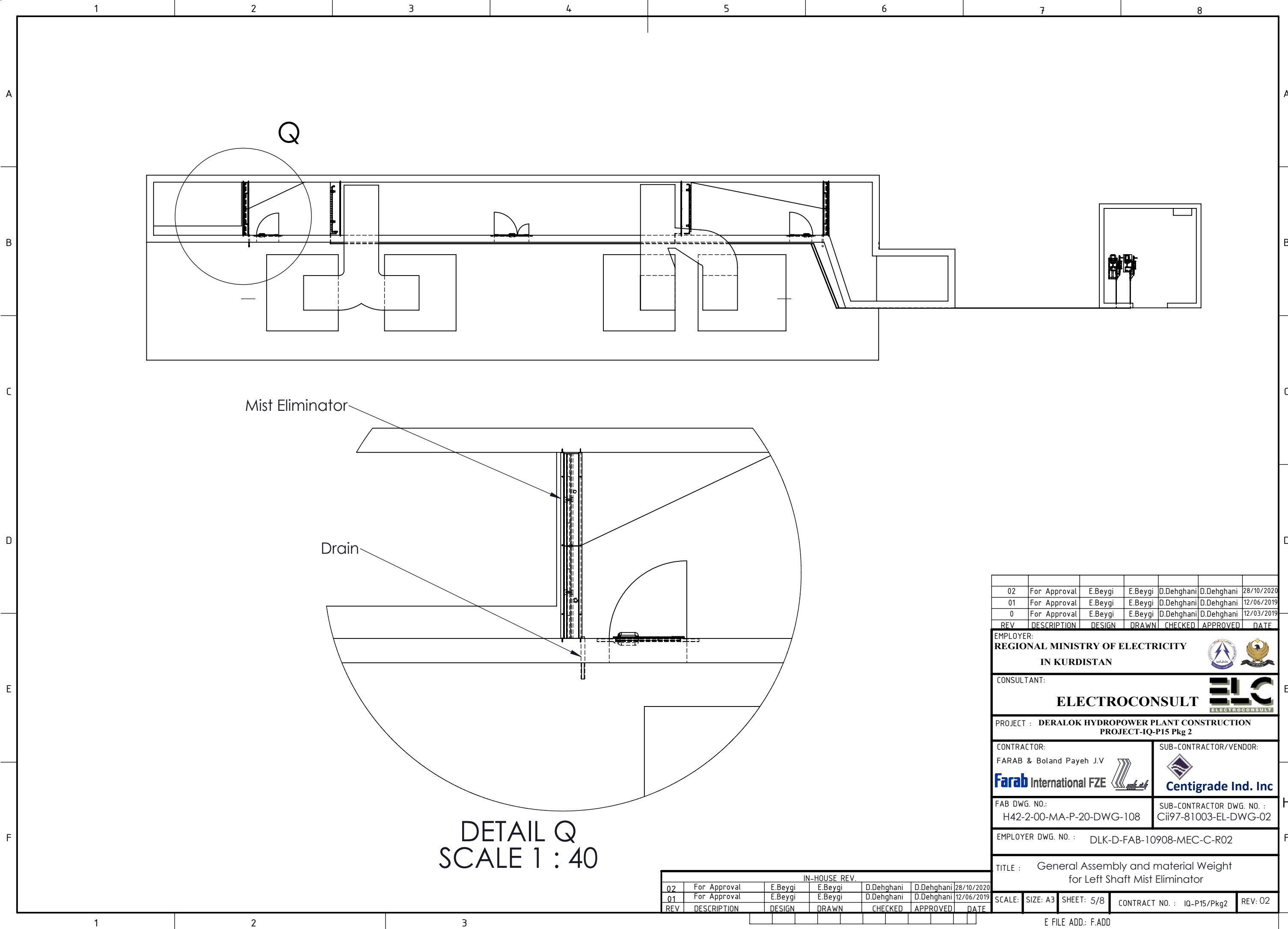
SUB-CONTRACTOR DWG. NO. :  
Cii97-81003-EL-DWG-02

EMPLOYER DWG. NO. :  
DLK-D-FAB-10908-MEC-C-R02

TITLE :  
**General Assembly and material Weight  
for Left Shaft Mist Eliminator**

02	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE: SIZE: A3 SHEET: 4/8 CONTRACT NO. : IQ-P15/Pkg2 REV: 02



02	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	12/06/2019
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REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR:  
FARAB & Boland Payeh J.V  
**Farab International FZE**

SUB-CONTRACTOR/VENDOR:  
**Centigrade Ind. Inc**

FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

SUB-CONTRACTOR DWG. NO. :  
Cii97-81003-EL-DWG-02

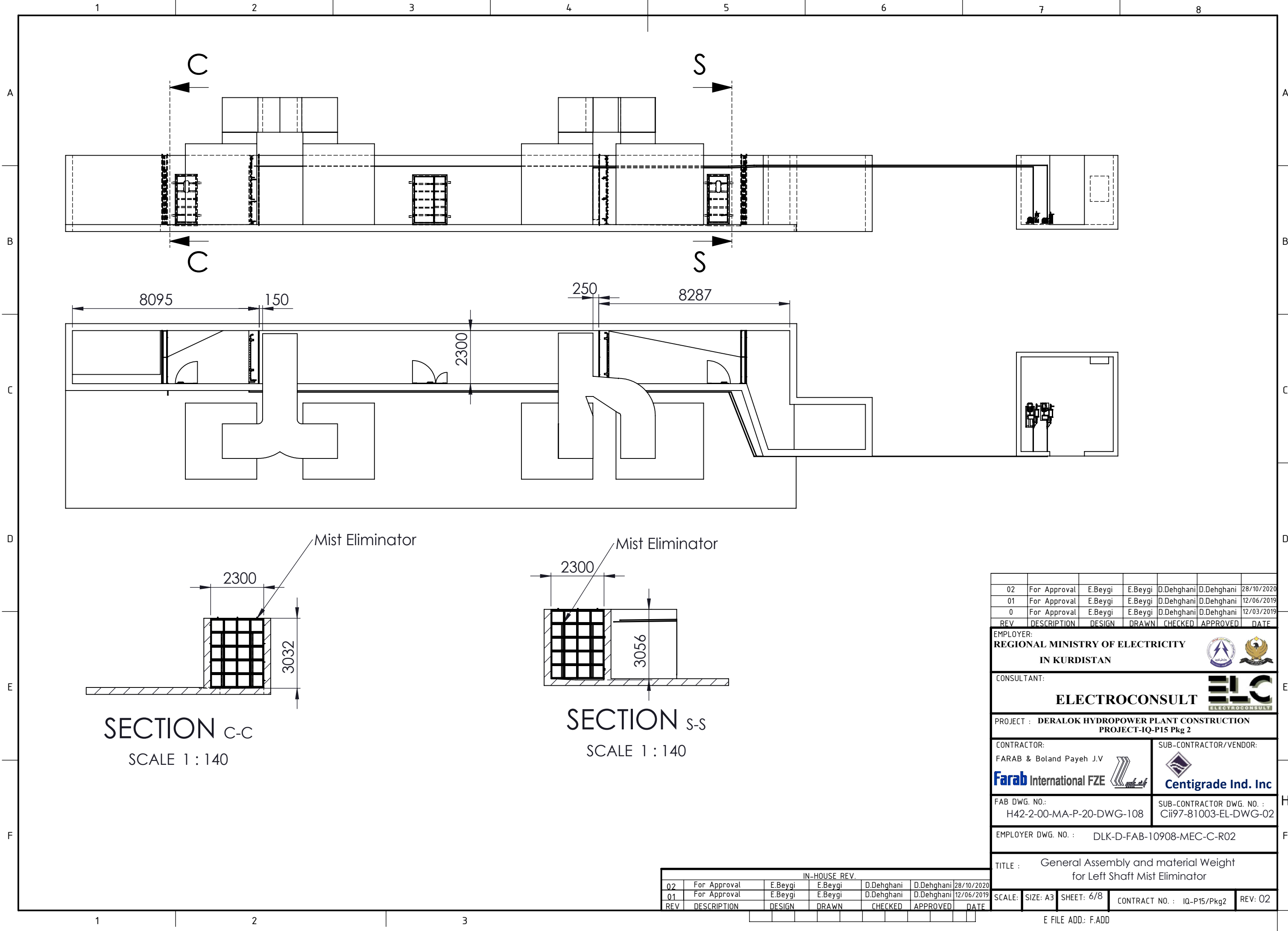
EMPLOYER DWG. NO. : DLK-D-FAB-10908-MEC-C-R02

TITLE : General Assembly and material Weight  
for Left Shaft Mist Eliminator

IN-HOUSE REV.						
02	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE:	SIZE: A3	SHEET: 5/8	CONTRACT NO. : IQ-P15/Pkg2	REV: 02
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02	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR: FARAB & Boland Payeh J.V <b>Farab International FZE</b>	SUB-CONTRACTOR/VENDOR: <b>Centigrade Ind. Inc</b>
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FAB DWG. NO.: H42-2-00-MA-P-20-DWG-108	SUB-CONTRACTOR DWG. NO. : Cii97-81003-EL-DWG-02
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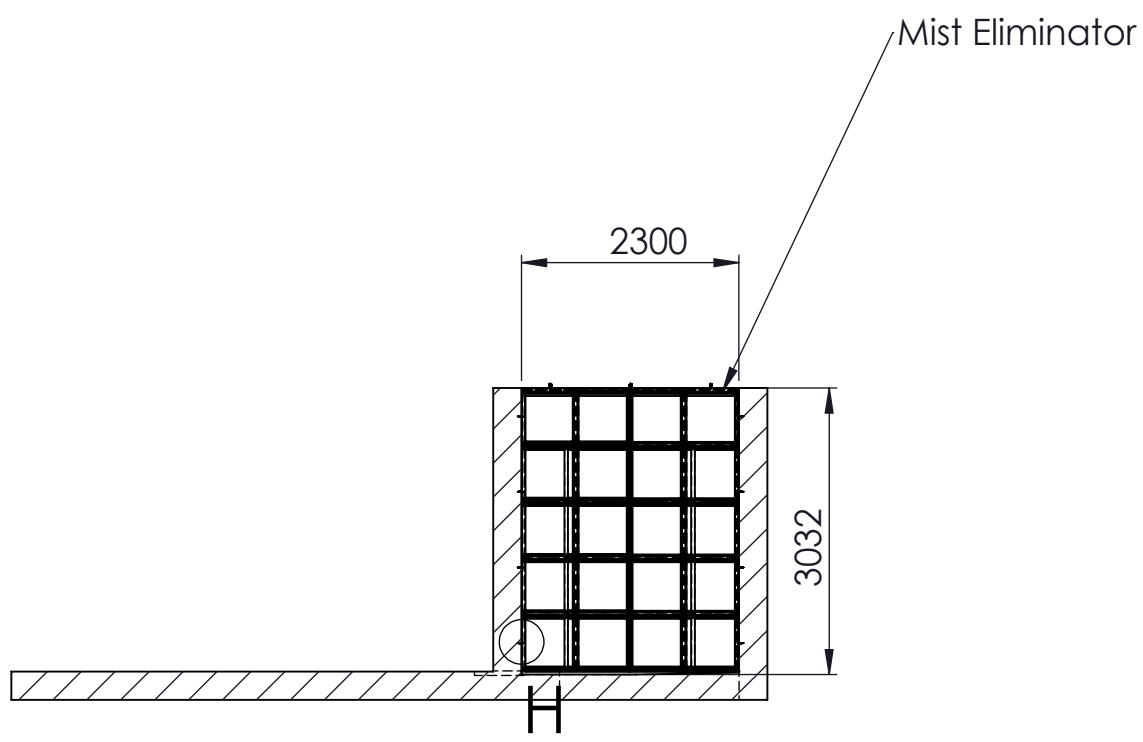
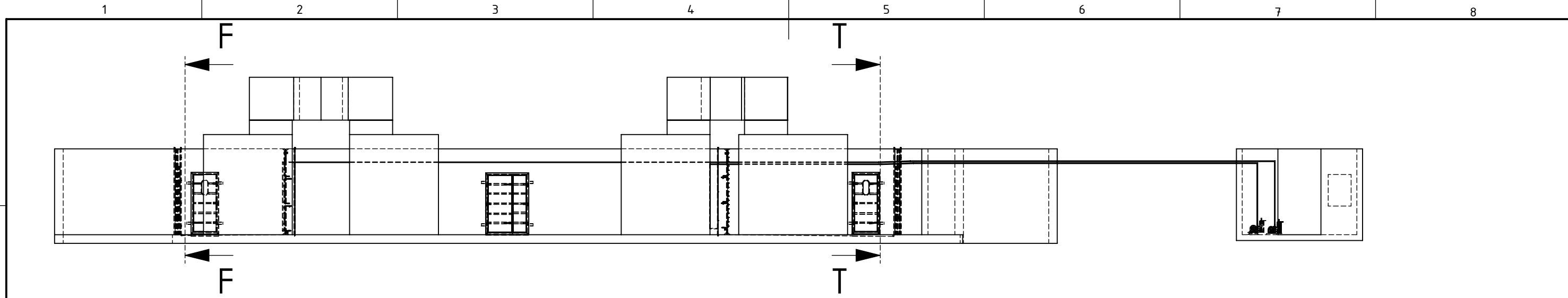
EMPLOYER DWG. NO. : DLK-D-FAB-10908-MEC-C-R02

TITLE : General Assembly and material Weight  
for Left Shaft Mist Eliminator

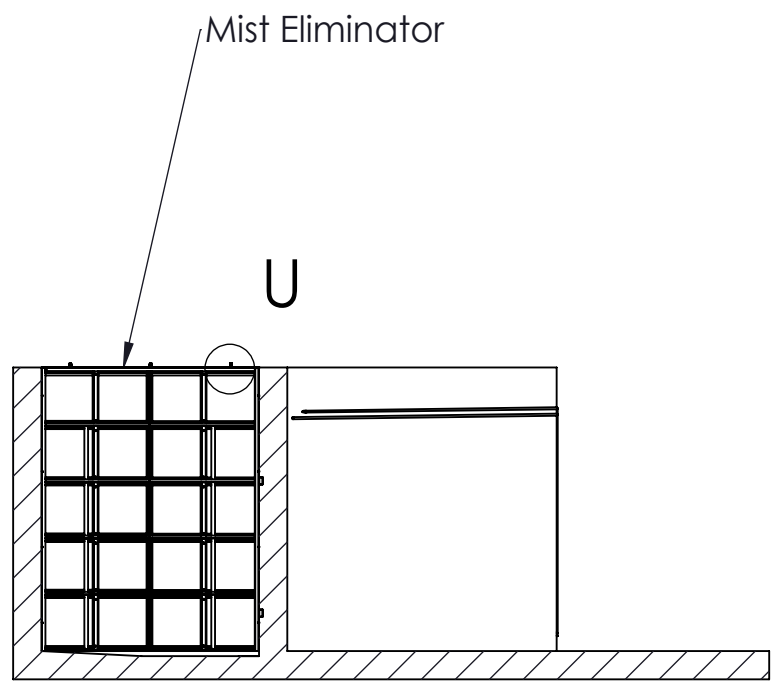
IN-HOUSE REV.						
02	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Deoghani	D.Deoghani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE:	SIZE: A3	SHEET: 6/8	CONTRACT NO. : IQ-P15/Pkg2	REV: 02
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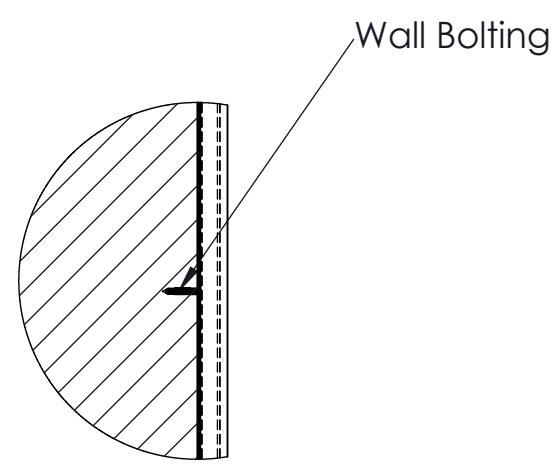
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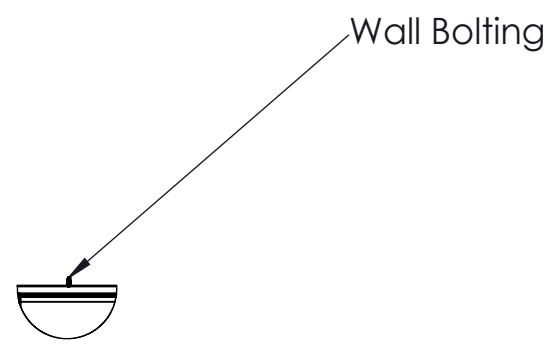
SECTION F-F  
SCALE 1 : 80



SECTION T-T  
SCALE 1 : 80



DETAIL H  
SCALE 1 : 10



DETAIL U  
SCALE 1 : 40

02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
0	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/03/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR:  
FARAB & Boland Payeh J.V  
**Farab International FZE**

SUB-CONTRACTOR/VENDOR:  
**Centigrade Ind. Inc**

FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

SUB-CONTRACTOR DWG. NO. :  
Cii97-81003-EL-DWG-02

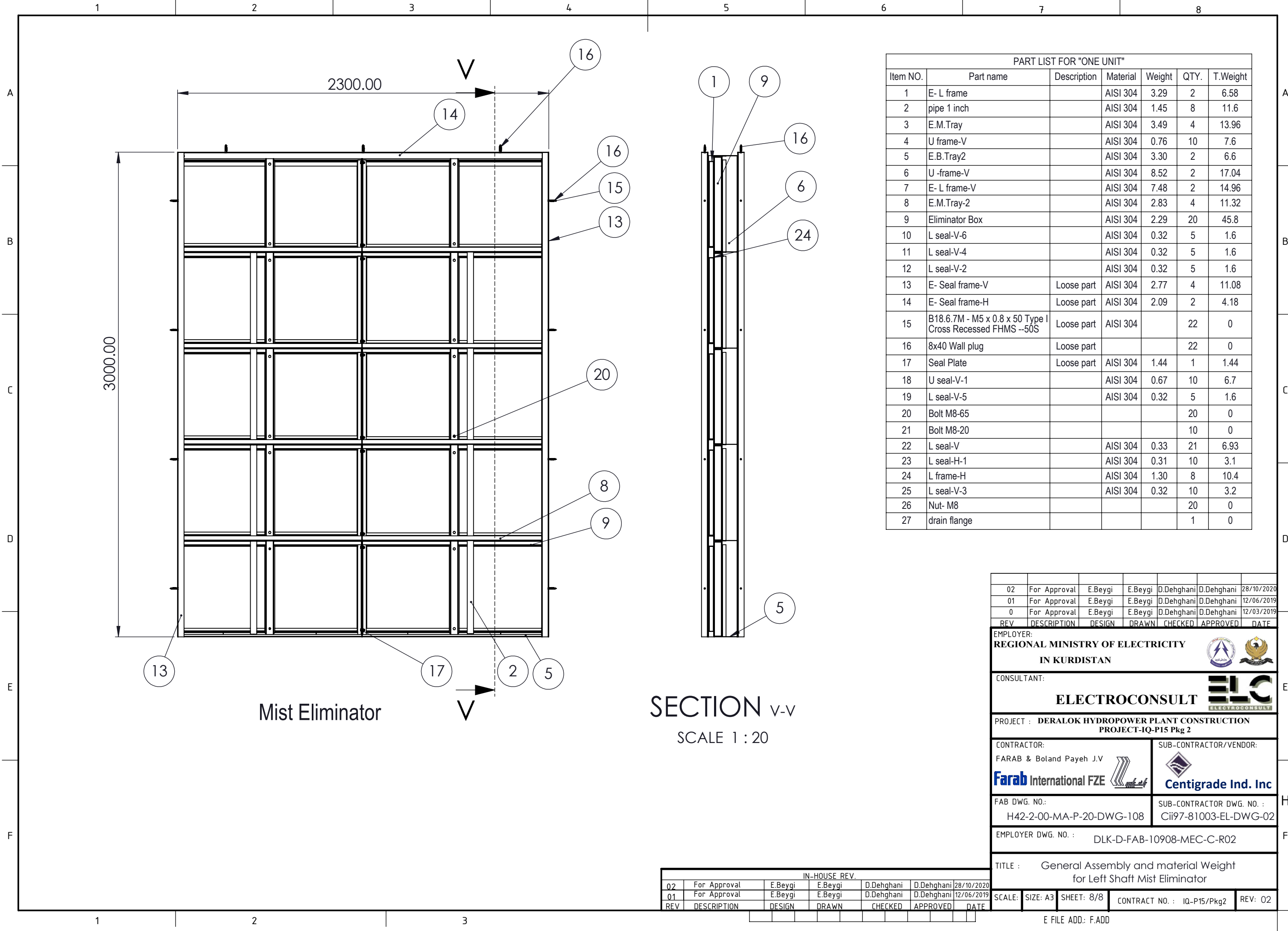
EMPLOYER DWG. NO. :  
DLK-D-FAB-10908-MEC-C-R02

TITLE :  
General Assembly and material Weight  
for Left Shaft Mist Eliminator

02	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhgani	D.Dezhgani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

SCALE: SIZE: A3 SHEET: 7/8 CONTRACT NO. : IQ-P15/Pkg2 REV: 02





PART LIST FOR "ONE UNIT"						
Item NO.	Part name	Description	Material	Weight	QTY.	T.Weight
1	E- L frame		AISI 304	3.29	2	6.58
2	pipe 1 inch		AISI 304	1.45	8	11.6
3	E.M.Tray		AISI 304	3.49	4	13.96
4	U frame-V		AISI 304	0.76	10	7.6
5	E.B.Tray2		AISI 304	3.30	2	6.6
6	U -frame-V		AISI 304	8.52	2	17.04
7	E- L frame-V		AISI 304	7.48	2	14.96
8	E.M.Tray-2		AISI 304	2.83	4	11.32
9	Eliminator Box		AISI 304	2.29	20	45.8
10	L seal-V-6		AISI 304	0.32	5	1.6
11	L seal-V-4		AISI 304	0.32	5	1.6
12	L seal-V-2		AISI 304	0.32	5	1.6
13	E- Seal frame-V	Loose part	AISI 304	2.77	4	11.08
14	E- Seal frame-H	Loose part	AISI 304	2.09	2	4.18
15	B18.6.7M - M5 x 0.8 x 50 Type I Cross Recessed FHMS --50S	Loose part	AISI 304		22	0
16	8x40 Wall plug	Loose part			22	0
17	Seal Plate	Loose part	AISI 304	1.44	1	1.44
18	U seal-V-1		AISI 304	0.67	10	6.7
19	L seal-V-5		AISI 304	0.32	5	1.6
20	Bolt M8-65				20	0
21	Bolt M8-20				10	0
22	L seal-V		AISI 304	0.33	21	6.93
23	L seal-H-1		AISI 304	0.31	10	3.1
24	L frame-H		AISI 304	1.30	8	10.4
25	L seal-V-3		AISI 304	0.32	10	3.2
26	Nut- M8				20	0
27	drain flange				1	0

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REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

EMPLOYER:  
**REGIONAL MINISTRY OF ELECTRICITY**  
**IN KURDISTAN**

CONSULTANT:  
**ELECTROCONSULT**

PROJECT : **DERALOK HYDROPOWER PLANT CONSTRUCTION**  
**PROJECT-IQ-P15 Pkg 2**

CONTRACTOR:  
FARAB & Boland Payeh J.V  
**Farab International FZE**

SUB-CONTRACTOR/VENDOR:  
**Centigrade Ind. Inc**

FAB DWG. NO.:  
H42-2-00-MA-P-20-DWG-108

SUB-CONTRACTOR DWG. NO. :  
Ci97-81003-EL-DWG-02

EMPLOYER DWG. NO. :  
DLK-D-FAB-10908-MEC-C-R02

TITLE :  
General Assembly and material Weight  
for Left Shaft Mist Eliminator

SCALE: SIZE: A3 SHEET: 8/8 CONTRACT NO. : IQ-P15/Pkg2 REV: 02

IN-HOUSE REV.						
02	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	28/10/2020
01	For Approval	E.Beygi	E.Beygi	D.Dezhghani	D.Dezhghani	12/06/2019
REV	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED	DATE

E FILE ADD.: F.ADD