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Class: FA	Library Code: 303-E03-2702-00-ME-DWG-398-01	Client	Vendor
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00	08/28/2024	Issued For Approval				
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Rev.	Date	Description	Prepared	Checked	Approved	Authorized

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1	X	X						31							
2	X	X						32							
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1. Static Trash Screen

No.	Description	Units	Value
1	Quantity (Operational+ Standby)	#	1 (1 + 0)
2	Tag No.	-	3-34-2702-01
3	Location (indoors/ outdoors)	-	Outdoor
4	Site condition Refer to the Doc		12002-D-PR-DOC-303-GNL-001
Process / Operating Conditions			
Material Specification			
5	Material Description	-	Copper Concentrate
6	Slurry Density	t/m3	1.7
7	Feed Solid Content	% m/m	19.85
8	Solid Density	Ton/m3	4
9	Solution / pH	-	Water / 10-12
10	Solution Temperature	°C	5-60
11	Feed Grain size F100	µm	38
12	Feed Grain size d80	µm	20
13	Grain size of trash (to be separated)	mm	D>5
14	Percent content of trash in solid feed	%	maximum 1%
15	Abrasiveness	-	Abrasive
16	Corrosiveness	-	No
17	Solid Capacity (Operating / Design)	dmt/h	80.7 / 93.12
18	Slurry Capacity (Operating / Design)	m3/h	324.32 / 374.22
Main Data of Screen			
19	Type	-	Wet Fixed Trash screen
20	Duty (Sizing/Trash/Scalping)	-	Trash
21	Duty (Continuous/Intermittent/Standby)	-	Continuous
22	Manufacture	-	VTS
23	Screen Model	-	VTS
24	Number of Decks	-	1(VTC)
25	Width*Length*Height (Mounting vessel)	m*m*m	3*3.5*3 (VTC)

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No.	Description	Units	Value
26	Required Efficiency	%	100 (VTC)
27	Wire size (Deck panel size)	mm	VTs
28	Wire Material (Deck Panel material)	-	VTs
29	No. of Deck Panel	-	VTs
30	Fixing of Deck Panel Type	-	VTs
31	Slope	Degree	VTs
32	Screen Housing Material (Structure/Liner)	-	VTs
33	Screen Housing Thickness (Structure/Liner)	-	6mm natural rubber (VTC)
34	Screen Cover Material	-	VTs
35	Deck Material	-	EN 1.0425
36	Screen Cover Thickness	-	VTs
37	First Deck Cut Size	mm	5
38	Deck Aperture size & shape	mm	5 & Modular (VTC)
39	screen aperture	-	Stainless steel wired mesh
40	Mounting Method	-	VTs
41	Supports (Type/ Quantity)	-	VTs
42	Total weight	Kg	VTs
43	Fastening Type	-	VTs
44	Feed From	-	RT (3-34-3231-01)
45	Over Size Discharge	-	to trash bucket
46	Under Size Discharge		to RT (3-34-3231-02)
47	Deck Size	mm	VTs
48	Final dimension (L*W*H)	mm	VTs
49	Stroke	-	VTs
50	Screen Construction	-	VTs
51	Main body Material	-	VTs
52	Screening Media Material	-	VTs
53	Water Spray Mechanism	-	Required (VTC)
54	Water Consumption for Water Spray	Liter/hr	VTs

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No.	Description	Units	Value
Accessories			
55	Cover with exhaust hood	-	Required or not (VTS)
56	Undersize Chute	-	Required or not (VTS)
57	Oversize Chute	-	Required (VTC)
58	Protection Cover	-	Not Required (VTC)
Safety			
59	Safety sign		12002-D-SF-LAY-303-DWT-139

Notes:

1. VTS: Should be Specified by Vendor (Based on vendor's laboratory tests or experience)
2. VTC: Should be Confirmed by Vendor
3. Supplier shall provide all of the documents, such as: general arrangement (GA), etc.
4. Title block information of the document must be complete.
5. Standard of nozzles must be according to ASME B16.5 & B16.47.
6. For Orientation & direction of nozzles, shall be approved with Piping department of client.