1	DATA S	HEE	ET			FEED	WA	TER F	HEAT	ER	
Customer	Hyundai Heav	vy Industr	ies Co. Ltd		Spec	. No.					
M/O No.	· ·				Servi	ice of Unit	HP FV	V Heater #6			
Project Shuqaiq Steam Power Plant					Item	No. A	01LCD10A0	C001,02LCD10AC00	01,03LCD10AC001,	04LCD10AC001	
	50 O.D x 12577.6			IBE 🗥	Posit		HORIZO	NTAL	نىسىن		
Surface per Unit		<sup>2</sup> EFF.	3137.4	<del>~</del>			morazo	No. of Unit	ONE		
P						F ONE UI	NIT				
					Shell S		111		Tube Side		
Fluid Circulated				Steam Drains				Feed Water			
Total Fluid Entering kg/hr			97,160.0 / 519,270.0					2,324,600.0			
Inlet Enthalpy kj/kg			3056.1 / 914.5					}	778.4	<del>1</del> 🔊	
Outlet Enthalpy		/kg	<del>                                     </del>		785.		3	}	902.2	<del>}</del>	
Inlet Temperature				312.8		)4 SAT.)	$\sim$	}	179.9	<del>}                                    </del>	
Outlet Temperature °C			184.9					208.5			
Operating Pressure Bar (A)			19.09					306.2			
Number of Passes Per Shell			THREE ZONES					TWO			
Velocity							2.42 (At 194.2 °C )				
	ctual/Allowable) kg	z/cm <sup>2</sup>	(A)	0.1 / -	(C)	0.11 / -			0.8 / 0.816	} 🔝	
1 \	, <b>-</b>	·	Exchanged	Surf	ace	МТD	Tran	sfer Rate	Baffle	Baffle	
			kcal/hr	m	2	$^{\circ}$	kcal	/hr.m² ℃	Spacing	Cut %	
(A) Desuperheating Section 4			206,408	184	1.7	51.6	۷	141.4	364	17	
			939,689	1,98	1.2	10.1	2.	,395.8	979	Full Support	
(C) Drain Cooling	g Section	<b>5</b> 16,	590,285	755	0.0	11.9	1,	,846.5	368	28	
		- W	ONSTR	UCTIO	VOI	ONE SH	ELL				
					Shel	l Side			Tube Side		
Design Pressure	24.0 & F.V				340						
Test Pressure Bar.G			∆ € 33. 3					510			
Design Temperature °C				240 (Skirt 360)				260			
Corrosion Allowa	ance	mm			3	3.0			3.0		
Insulation Thickn	iess	mm					$\overline{\mathbb{Q}}$	~~~			
Tubes SA688-	ГР304N No. 3	392 U	OD	15.875 T	h'k 2.	.498 Avg.	SETL	8644	Pitch 20	.64	
Shell	SA516-70					`	I.D	2400	TH'K(S/T)	25	
Shell Cover	SA516-70	Weld to	Shell	~~~	$\sim$		Shell Ski	rt	SA516-70		
Channel	SA350-LF2		Think		165	<u>}∆\</u>	Channel	Cover	SA350-LF2		
Tube Sheet	SA350-LF2+S.S				715	3	Impingen	nent Baffle	A240-304		
Support Plate	A283-C	Air	Baffle A	A240-304				al Baffles	A283-C		
Shrouds (A)	A283-C		(C) A	4283-C			Tube To	Tubesheet Join	nt : WELDEI	)	
Type Joints Shell	Side W	elded					Tube Side	HEMI. I	HEAD		
Gasket - Shell	-						Channel	WELDE			
Connections :	Steam - Inlet	DN400	I	Orain - Inle	t	DN450		Seri			
	Drain - Outlet	DN450						Seri			
	Feed Water - Inle		$-\infty$	Outlet	ID520			Seri	ies Weld	End	
Code Requiremen			7.1 & HEI (8	8th Edition	) 1	$\triangle$		(	مرکون	<del>- 4</del>	
	d Bundle 111100	$\sim$	~~~	^ ^				Full of Water	<del>-</del>	kg 4	
Accessories :	Shell Safety Val		100 x DN15	5 <u>0</u>	_			e Relief Valve	DN 20 x DN		
	Shell Drain	DN50 / I				ci 111	Shell Gau		_		
3. Refer	Operaing V Operaing V ence Dwg. : S-04- ence P&ID : S-01	ent LAD-M-0 I - LA S -	8-V001-00: - 20 - 001 - 0	003		Channel drain Chemical Cle		DN25 DN80			

