

# 작 업 지 시 서

ORDER NO.	16 - 299 - SIVA					
M-NO.	07 – 35					
발주처	SIVA ENG					
작성일자	2016년 7월 28일					

아래와	같이	작업지시	서를	제출합니다.

	작 성	검 토	승 인
결			
	JAGAN		
재			
	07원 28일	/	/

PROJECT	SIVA-379	납기	16.08.15
NO.	ITEI	M	Q'TY
1	Restriction Orifice plate		1ea
※ 기타	주의사항(설계부)	* INSPECTION / T	EST REPORT
	*	Dimension Inspection 🗵	

- \* Dimension Inspection ☑

  1. Ex-work

  2. Combine with 16-260, 273 & 291

  3. Tag Type: DH Std.

  \* Mill Cerfificate ☑

  \* NDE: PT ☐ RT ☐ UT ☐ MT ☐ 공인기관 ☐

  \* Hydrostatice Test ☐

  \* Calibration ☐

  \* PMI Report ☐ \* Wooden Packing 열처리 ☑
  - ※ 기타주의사항(관리부)

※ 기타주의사항(생산부)

가공	용접	조립	검수	포장

## SIVA EASTERN ENGINEERING CO.,LTD.

### HEAD OFFICE ADDRESS: 16/10, TAKSINMAHARAJ RD, T.THA PRADU, A.MUANG, RAYONG 21000 TEL; 089-401-1239

#### TAX ID No.0215556007631

## **PURCHASE ORDER**

TO : DAEHAN INSTRUMENT CO.,LTD

PO NO. : SIVA\_379

ADDRESS: #473-7 Musong-dong, Hwaseong-Si, Gyeonggi-Do, Korea

DATE: 26/07/2016

TEL: 82-31-357-8431, FAX: 82-31-357-8432

REF. QUOTATION NO.160121 - 0024

ORDER DETAIL: RO

ITEM		DESCRIPTION	QUANTI	TY	UNIT PRIC	CE	AMOUNT
1,1	Restriction O	rifice Plate	1	EA	120	USD	120.00
	Model	DHRO-SH-N-4B-6L-015					
	Туре	Element(Plate) / Concentric Square Edge.					
	Material	Element 316LSS					
	F'Rating	ANSI 150 RF					
	Line size	4B(100A)					
	Thickness	3mm					
	Tag no.	60-FE-7001					
					Special Discount		
	Note : DH Ta	g Type			TOTAL		120.00
					GRAND TOTAL	_	120.00

DELIVERY TERM: Exwork
DELIVERY TIME: 15.08.2016

PAYMENT TERM: T/T ( 100% after approval all documents and notice of shipment date )

WARRANTY PERIOD: 12 Months after delivery.

CONTACT: Mr.Jagan

NAME :

OSL.

(APPROVED BY)

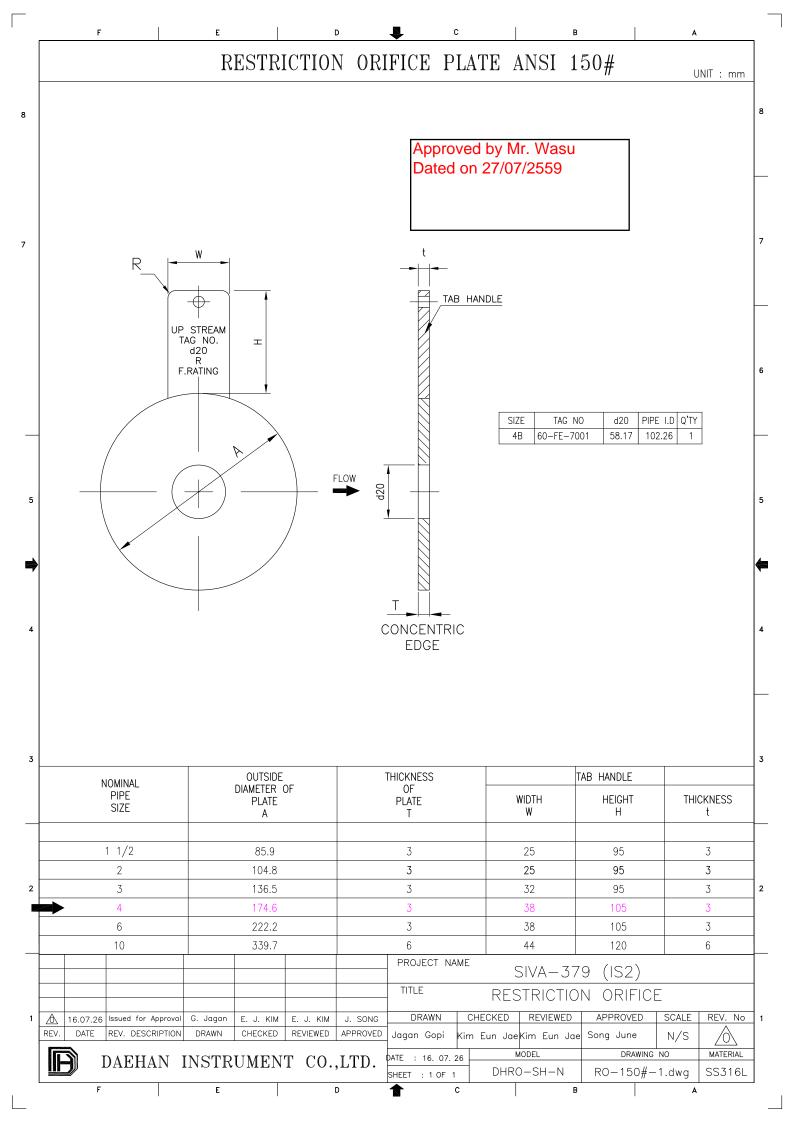
DATE: 26/07/2016

NAME :

(ACKNOWLEDGE BY SUPPIER)

DATE :

Note: Please return acknowledge to us within 3 days after reciept PO by Email: seeproc@gmail.com and sales@sivaengineer.com



Tel: Fax: email:

Customer	:YOKOGAWA (THAILAND)						
		PO	:				
TAG	:60-FE-7001	Doc	:				
	TAG Fluid :ProducedWater		Sales Order:				
	:ENTER ProducedWater	Service :					
Pipe	:Carbon Steel	Primary	:316 Stainless Steel :2 1/2 & 8 D				
Meter	:Pipe Taps, Restrictive Orifice	Taps	:2 1/2 & 8 D				
Coeff Eq	:Carbon Steel :Pipe Taps, Restrictive Orifice :Stolz	Calculat					
Preparer	:SEE		:1/20/2016 80CR1431				
	Max/Design/Nort						
Flow Rate			m^3/h(Flow Volume)				
Differentia	<del></del>	0.3000					
Pipe Reynol		199055.					
	Measurements						
Pressure p	OG .		Bar,gage				
Barometric	(=3	1.0133					
Temperature		55.0000					
Density (F)	Fluid Propertie	959.6000					
Viscosity	_	1.00000					
	Factors						
Sizing Fact			@ Normal Flow				
_	Coefficient(C)		@ Normal Flow				
	al Expansion(FaD)	1.00039	e Normar 110W				
	al Expansion(Fad)	1.00058					
	Flow Meter Constant (for A		=FMC)				
	$(h)/(dp)^{0.5}$	109.5445					
	Design Informat:	ion					
Pipe Diamet			0mm@20.degC				
Bore Diamet	cer (d)	58.17899	mm@20.degC				
Plate thickness-Flange Mounted Plate							
			mm@20.degC				
Beta			@20.degC				
Pipeline Ve	elocity (Max)	2.03					
Overall Pre	essure Loss(Max)	0.3000					
Energy Cost		8760.	\$/year@2.00/kwh				
	ft /one metre	61.					
Computati	on for dBA is compatible with ISA	SPA SP39	.1				

Stress and deflection should be checked based on actual thickness, mat  $\mbox{\it erial}\,,$  and  $\mbox{\it process}$  conditions

Orifice plate thickness is calculated using ROARK Stress/Strain equations. Shown thickness is within the required limits for the plate material

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