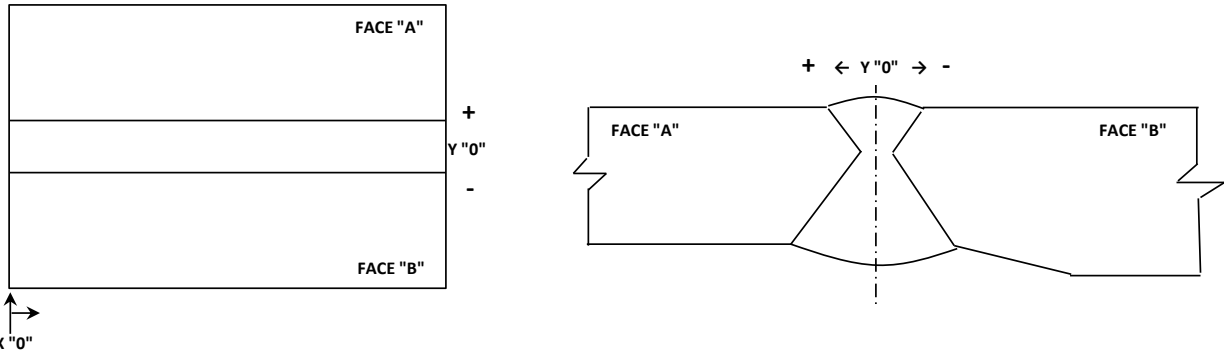


REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 지엔아이솔루션주 Global Nondestructive Examination & Inspection Solution Co., Ltd. 본사 : 경남 통영시 광도면 황리 공단로 76 TEL . (055)646-8643 FAX . (055)646-8643 목포출장소 : 전남 영암군 삼호읍 대불산단 6로 23 TEL . (061)464-5161 FAX . (061)464-8925		Report No.보고서 번호 GNI-MP-EX-UT-2016-004	
		Page No.페이지 번호 1 of 3	
Customer(발주처) 한국도로공사 강원지역본부 / 에스큐엔지니어링㈜		Project No./Name(공사번호/명) 남조천교 등 12개소 정밀안전진단 용역	
Item No./Name(제품번호/명) 금성교(춘천방향)		Part No./Name(부품번호/명) 플랜지 맞대기용접부	Dwg.No(Rev) (도면번호) N/A
TRV No. N/A	Revision N/A	Operation No. N/A	Procedure No.(Rev)(절차서) GNI SOL.-NDEP-UT-KS01 (0)
Examination Time(검사시기) N/A		Applied Spec.(적용규격) KS B 0896 / L 검출레벨	
Surface Condition (표면상태): ☐ As Ground ☒ As Welded ☐ As Casting ☐ As Machined ☐ As Rough Machined			
Material Type(재질) C/S	Mat'l Thickness(두께) 10~24 mm	Test Method(검사방법) ☒ Contact(접촉) ☐ Immersion(수침) Contact wedge : Shoes	
Test Temp.(표면온도) 20 °C	Product Form(제품형태) BUTT - JOINT	Couplant(접촉매질) ☐ Oil ☐ Glycerin ☒ C.M.C	
Screen Height Linearity(직선성) within Max. ± 1 % FSH		Amplitude Control Linearity(증폭성) within Max. ± 3 %FSH	
Calibration Date(교정일자) 2016-08-12			
Calibration Block (교정 시험편)	Type(종류)	S.No.(번호)	Serial No. (고유번호)
Standard Block	STB-A1,A2	90/50/11	Angle (교정각도)
Reference Block	Non-Piping 19T(Ø2.4) 38T(Ø3.2)	GNI-UT-01 GNI-UT-02	Frequency (주 파 주)
Equipment (탐 상 기)	S/No. (번호)	70080504	Size (크 기)
	Type/Model(종류/모델)	EPOCH XT	Serial No. (고유번호)
	Maker(제조사)	OLYMPUS	Angle (교정각도)
	Due Date(교정유효일)	2016-10-11	Frequency (주 파 주)
		Setting Sensitivity Method (감도설정법)	Standard (표준감도)
		Cable (케이블)	Scanning (주사감도)
		NU-BC2 2m	Back wall Method & DAC:Ø2.4
			33dB 41dB 50dB
			39dB 47dB 56dB
Examination Sketch			
			
Remark(비 고) 100% Scanning, Overlap≥10% Transducer Dimension, Scanning ≤150mm/sec.			
Examined by 검 사 자 H. S. KIM GNI SOL.-LII -15030408		Date of Examination (검사일자) 2016년 9월 21일	
Approved by 승 인 자 J. G. KIM GNI SOL.-LIII -14101602		CLASS / Third Party Inspector (선급 / 공인 검사관) ☐ Reviewed by ☐ Witnessed by	
		Owner/Customer (주문주 / 고객 감독관) ☐ Reviewed by ☐ Witnessed by	

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 지엔아이솔루션주 Global Nondestructive Examination & Inspection Co., Ltd. 본사 : 경남 통영시 광도면 황리 공단로 76-1 TEL . (055)646-8643 FAX . (055)646-8644 목포출장소 : 전남 영암군 삼호읍 대불산단 6로 23-1 TEL . (061)464-5161 FAX . (061)464-8216				Report No.보고서 번호 GNI-MP-EX-UT-2016-004	
				Page No.페이지 번호 2 of 3	

Identification No. 확 인 번 호	Dec. (판정)	Grade (등급)	Angle (각도) °	DEFECTS				Exa. Len. (검사길이) (mm)	Welder No. (용접사번호)	Remarks 비 고	
				Location(mm)		Length (mm)	Depth (mm)				Max Resp. (DAC%)
				X	Y						
춘천방향 G1-S1-1	ACC	1	70	NO RECORDABLE INDICATION				600		금성교	
S1-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S2-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S2-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S3-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S3-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S4-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S4-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S5-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S5-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S6-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S6-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S7-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S7-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S8-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S8-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S9-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S9-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S10-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S10-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S11-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S11-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S12-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S12-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S13-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S13-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S14-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S14-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S15-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S15-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S16-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S16-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G1-S17-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S17-2	ACC	1	70	NO RECORDABLE INDICATION				600		"	
G2-S1-1	ACC	1	70	NO RECORDABLE INDICATION				600		"	
S1-2	ACC	1	70	NO RECORDABLE INDICATION				600		금성교	

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 지엔아이솔루션주 Global Nondestructive Examination & Inspection Solution 본사 : 경남 통영시 광도면 황리 공단로 764 TEL . (055)646-8643 FAX . (055)646-1491 목포출장소 : 전남 영암군 삼호읍 대불산단 6로 257 TEL . (061)464-5161 FAX . (061)464-5826				Report No.보고서 번호 GNI-MP-EX-UT-2016-004						
				Page No.페이지 번호 3 of 3						
Identification No. 확 인 번 호	Dec. (판정)	Grade (등급)	Angle (각도) °	DEFECTS				Exa. Len. (검사길이) (mm)	Welder No. (용접사번호)	Remarks 비 고
				Location(mm) X Y		Length (mm)	Depth (mm)			
춘천방향 G2-S2-1	ACC	1	70	NO RECORDABLE INDICATION				600		금성교
S2-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S3-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S3-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S4-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S4-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S5-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S5-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S6-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S6-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S7-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S7-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S8-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S8-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S9-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S9-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S10-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S10-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S11-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S11-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S12-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S12-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S13-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S13-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S14-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S14-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S15-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S15-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S16-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S16-2	ACC	1	70	NO RECORDABLE INDICATION				600		"
G2-S17-1	ACC	1	70	NO RECORDABLE INDICATION				600		"
S17-2	ACC	1	70	NO RECORDABLE INDICATION				600		금성교
			-	B	L	A	N	K	-	Total : 68개소