



## **Site Technical Query - Form**

SN1809-0000/XE.FRM/0001 Rev 4 03/02/2021

TQ Number:			Project:				
CW2144960 -A010- 0060			Oyu Tolgoi Underground Project				
A. To be completed by	or on beh	alf of the Co	ntractor				
	MCS Inte			Date Response	28/01/2022		
Contract Title:	Booster F	an installat	ions	Plant Area &	1693		
Contract No.	CW2144960			Contractor TQ Number:	BF-0415-TQ-0060		
Discipline Codes (Man	datory) C	01 (CSA) - [	□ <b>D2</b> (MP) - ⊠	<b>D3</b> (E&I) - □	<b>D4</b> (Other) -		
HVAC condenser 16 E-room HVAC Con AHU-CNDB unit as p and liquid pipes fro	693-SRM- denser 10 per TQ-00 m the out	<b>2001-AHU-</b> 593-SRM-20 45 (attachr door unit 1	001-AHU-CNDA unit	will be installed to determine the	on top of 1693-SRM-2001- line connection route the gas door unit as per 1693-65-IOM-		
1500 page 77 (attac							
	Routine		□ Urgent	Refer	Technical Query instructions		
The contractor is property of the contractor in the contractor is property of the contractor is	the gas a	nd liquid pi	pe line is marked in	red on attachme	nt (attachment 3).		
Effect on cost (USD):	NO						
Effect on schedule (Da							
Effect on quality:	NO						
Requested by (Name)		lgersuren.N	l	Position:	SMP Engineer		
Signature:				Date: (dd/mm/yyyy)	26/01/2022		

B. To be completed by Jacobs Field Engineer							
Comments/recommendations by Engineering							
	Prop	osed action i	is action	is accepted.	Please	proceed.	
Disclaimer:		on of this TO is such		h taabuisal sanast	_		
	-	on of this TQ is only opact are associate		=		rately with .la	cobs Contract team
If Cost or Schedule Impact are associated with this TQ, it must be discussed separately with Jacobs Contract team.							
C. Engineerin	g Decisi		D. Informa	tion			
				Ш	0		Cab adula Imma at
Accept with		Reject	Design Change Distribute to:		Cost Impact Distribute to:		Schedule Impact Distribute to:
comme	ents	Reject		ign Author DA		, Proj. Controls uction Manager	
					<u> </u>		o o not uotion manager
DEV/IE/MED			ADDDOVED		CONSTRUCTION MANAGER		
REVIEWER		APPROVER					
Field Engineer OR Lead Engineer		∟eau Engin	Lead Engineer OR Chief of Engineering		(II Cost ar	nd/or <b>Schedule</b> Impact)	
1				Т		<u> </u>	
Date:			Date:			Date:	
(dd/mm/yyyy)		(	(dd/mm/yyyy)			(dd/mm/yyyy)	

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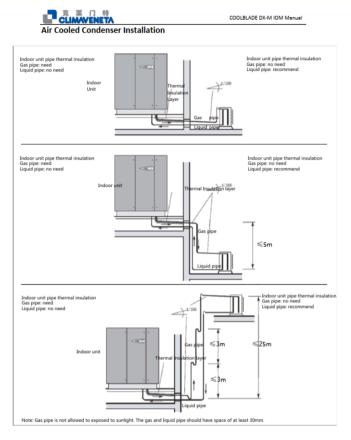
## Attachment 1

#### B. To be completed by Jacobs Field Engineer

Comments/recommendations by Engineering

Proceed as **OPTION#2** with following comments:

- This TQ is accepted only for location of the condenser unit 1693-SRM-2001-AHU-CNDA.
- The Contractor shall be provided gas and liquid pipe route as per Manufacturer recommendation which shows Page-77 on 1693-65-IOM-1500. Prior to installation, separate TQ shall required and confirmed by Worley Reps.



- The Contractor shall be provided Mounting Detail of this relocated condenser unit. Prior to installation, separate TQ shall required and confirmed by Worley Reps.
- Changes shall be redlined on all relevant drawings.

#### Disclaimer:

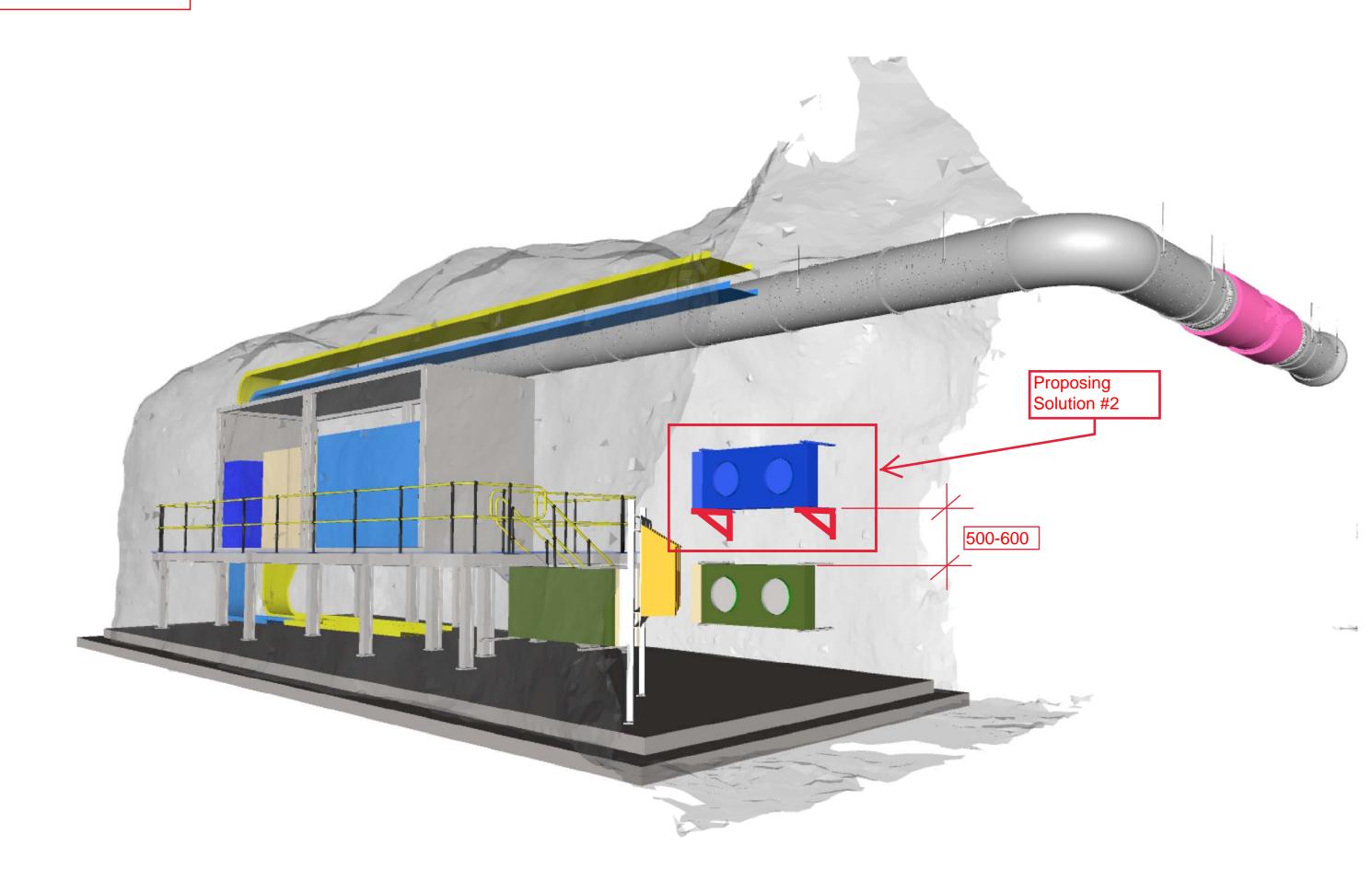
Acceptance or rejection of this TQ is only related with technical aspects.

If Cost or Schedule Impact are associated with this TQ, it must be discussed separately with Jacobs Contract team.

C. Engineering Decision		D. Information				
<b>✓</b>						
Accept with comments	Reject	<b>Design Change</b> Distribute to: Design Author DA	Cost Impact Distribute to: Contracts, Proj. Controls & Construction Manager	Schedule Impact Distribute to: Proj. Controls & Construction Manager		

REVIEWER	APPROVER			CONSTRUCTION MANAGER		
Field Engineer OR Lead Engineer	Lead Engineer OR Chief of Engineering			(If Cost and/or Schedule Impact)		
Delger Erdenechul		ON Bolo	Boldbaatar.M			
Date: 2022.01.13 15:25:53	Date:	11 t. 30	2022.01.13 15:10:48 +08'00'	Date:		
(dd/mm/yyyy) +08'00'	(dd/mm/yyyy)			(dd/mm/yyyy)		

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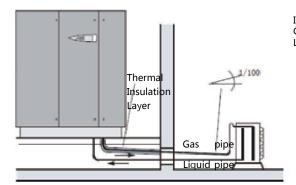


COOLBLADE DX-M IOM Manual

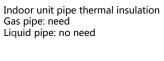
### **Air Cooled Condenser Installation**

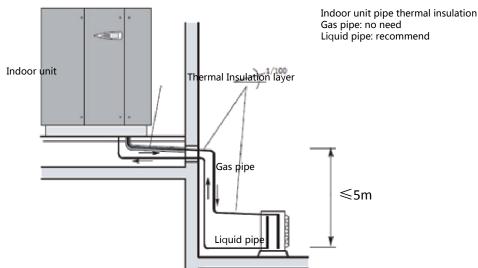
Indoor unit pipe thermal insulation Gas pipe: need Liquid pipe: no need

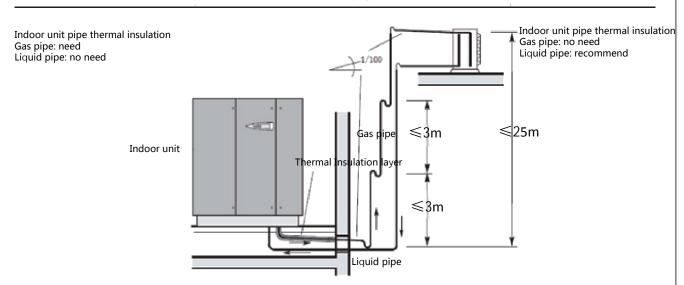
> Indoor Unit



Indoor unit pipe thermal insulation Gas pipe: no need Liquid pipe: recommend







Note: Gas pipe is not allowed to exposed to sunlight. The gas and liquid pipe should have space of at least 30mm.

