## **LESSON PLAN** Date/Time: December 01, 2023/7:00AM-8:00AM

					Duration
1. OBJECTIVES					
At	t end of the session, the students are expected to:				
	1.1. Identify tools used in reaming Rigid Steel Conduit				
	1.2. Determine the procedures on how to ream RSC properly				
	1.3.	1.3. Recognize the importance of reaming rigid steel conduit			
2	CON	TENIT			
۷.		Topic	Procedures on How to Re	am Rigid Steel Conduit	
-	<b>2.2. Materials</b> Teacher's laptop, projector, PowerPoint Pres				
			Conduit, Hacksaw, Reame	_	
2.3.				n and Maintenance Module 2	
	Refe	rence/s	<ul><li>https://www.thepro</li></ul>	ocesspiping.com/reducers-in-	
		•	• • • • • • • • • • • • • • • • • • • •	ext=A%20reducer%20is%20a%20kind,piping	
			%20of%20a%20diff		
			https://en.wikipedia		
			pean		
3.	PRO	CEDURES			
	3.1.	Preparatory	Activity		
	3	3.1. Daily Ro	outine		
		3.1.1. Classroom Management			1 min.
	3.1.2. Prayer/Greetings			1 min.	
		3.1.3. Ch	necking of attendance, ID's	& Uniform	1 min.
	3.2.	Developme	ntal Activity		
	3	3.2.1. Motivation			
		Title	Guess what		3 mins
	ſ	Mechanics	•	tures of reaming tools, and the students	
			will identify if it is hand re	eamer or a machine reamer.	
					30 mins.
	-	3.2.2. Lesso	•		
	_	Teacher's A	•	Student's Activity	
			ng class! Our topic for		
	t	today is all a	bout reaming.		
		Daga a	£		
		=	e of you already know	Van sin	
	6	about reami	ıığı	Yes, sir.	
		Okay, what i	is reaming?		
		,,	J	Reaming involves removing excess	
				burrs in metallic conduit to prevent	
				laceration of the conductor's insulator.	

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	Excellent! Now, let's read about the tools used in reaming a Rigid Steel		
	Conduit.	(Reading)	
	Good. Now, let's focus on hand reamers. What are they designed for,	(Reduing)	
	and why do they have a longer taper?		
	Hand reamers are for manual		
	reaming, and they have a longer taper to compensate for the difficulty		
	of starting a hole by hand power.	(Reading)	
		(	
	Now, continue to the next section and read about machine reamers.		
	Thank you. Let's focus on one type,	(Reading)	
	the Straight-flute reamer. What is it suited for?		
		It's a general-purpose reamer suited for	
		reaming most metals.	
	Excellent. Keep going, read about the file.		
		(Reading)	
	Great. Now, why would we use a file?		
		Sir, a file is used to remove fine	
		amounts of material from a workpiece.	
	Perfect! Now we proceeed on how to ream a Rigid Steel Conduit properly.		
	STEP 1: Prepare the necessary tools,		
	materials, equipment, and PPE in performing the activity.		
	What are the PPE we can use in		
	performing this kind of activity?		
		Sir. We can use gloves, goggles, and safety shoes.	
	Very good!		
	STEP 2: Wear appropriate Personal		
	Protective Equipment (PPE).		
- 1			

T		
STEP 3: Measure and mark the location to be cut.		
What are the marking materials we can use?	C'a Managara	
Correct!	Sir. We can use a pencil or a marker.	
STEP 4: Place the pipe into a bench vise to hold it firmly and cut the conduit using cutting tools.		
STEP 5: Ream the newly cut conduit using a flute reamer or file.		
STEP 6: Check if the end of the pipe is smooth.	Amazing!	
STEP 7: Observe good housekeeping.		
After working, we need to clean our place.	Okay, sir.	
That is how to ream a Rigid Steel Conduit properly.		
Class, why is it important to ream a Rigid Steel Conduit?		
Very good!	To make a metal pipe clean, sir.	
In addition the importance of reaming a rigid steel conduit is the following:		
<ul> <li>To enlarge the diameter of a pipe</li> <li>To smooth the interior of a pipe</li> <li>To remove debris from a pipe</li> </ul>		
Any questions class? Clarification?		
Okay, class. Thank you for listening.	None.	
	Thank you, sir!	

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3.2.3. Application	10mins
Directions: Write T if the statement is true, and F if the statement is false. Write you	ır
answer on the space provided before the number	
1. File or reamer is the tool used to remove excess burrs in metallic pipe.	
2. The purpose of reaming is to make thread on the pipe.	
3. The first thing to do is cut the metal pipe before reaming.	
4. In performing reaming in metallic conduit, it is important to wear	
appropriate PPE.	
5. In holding conduit to be cut, it is safer to hold it using our hands.	
6. Wearing of gloves will prevent penetration of excess burrs in our eyes.	
7. Wearing of PPE cannot protect individual against risk at work.	
8. It is necessary to prepare all the materials and tools needed in certain task	
or job.	
9. It's important to measure also the desired length of conduit to be cut to	
prevent wasting of material.	
10. Reaming is a method of removing sharp edges in conduit being cut.	
3.2.4. Generalization	8mins
ARRANGE IT	
Direction: The statement below are the procedures in reaming metallic	
conduit. Arrange the procedures by putting numbers.	
1 Check if the end of the pipe is smooth.	
2 Place the pipe into bench vice to hold firmly and cut the conduit usin	g
cutting tools.	
3 Measure and mark the location to be cut.	
4 Observe good housekeeping.	
5 Wear appropriate Personal Protective Equipment (PPE).	
6 Ream the newly cut conduit using flute reamer or file.	
7 Prepare the necessary tools, materials, equipment and PPE in	
performing the activity.	
3.2.5. Evaluation	5mins
ESSAY	
Direction: Explain briefly the following topics.	
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Why you should know how to perform reaming in metallic conduit. And what	
are the possible effects when metallic conduit could not be ream?	
2. Why should you wear appropriate PPE in performing task? Relate this	
question in our present situation (Pandemic)	

4.	4. ASSIGNMENT		1min.
4.1. Advanced Reading		L. Advanced Reading	
	Intermediate Metallic Tubing (IMT)		
		What is Intermediate Metallic Tubing (IMT)?	
		What is Intermediate Metallic Tubing (IMT) used for?	
		What are the advantages of IMT?	

Checked by: Prepared by:

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