



Name : _____ Date: _____ Score: _____

TECHNOLOGY AND LIVELIHOOD EDUCATION EIM GRADE 10 Quarter 2 – Week 4

Lesson: PROCEDURES ON HOW TO REAM RIGID STEEL CONDUIT

Objectives:

- A. Identify tools used in reaming Rigid Steel Conduit
- B. Determine the procedures on how to ream RSC properly
- C. Recognize the importance of reaming rigid steel conduit

ACTIVITY NO.1



TRUE OR FALSE

Reaming – is the process of removing excess burrs in metallic conduit to prevent laceration of conductor's insulator.

It is important to determine the purpose of reaming and the process of it, to recognize the essential of this in terms of wiring installation and also to perform this task safely.

Directions: Write **T** if the statement is true, and **F** if the statement is false. Write your 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.

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- _____ 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.

ACTIVITY NO.2



ARRANGE IT

A. Direction: The statement below are the procedures in reaming metallic conduit. Arrange the procedures by putting numbers.

- _____ Measure and mark the location to be cut
- _____ Prepare the necessary tools, materials, equipment and PPE in performing the activity.
- _____ Wear appropriate Personal Protective Equipment (PPE).
- _____ Place the pipe into bench vice to hold firmly and cut the conduit using cutting tools.
- _____ Ream the newly cut conduit using flute reamer or file.
- _____ Check if the end of the pipe is smooth.

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B. Direction: Make a collage pictures of different Personal Protective equipment used in Electrical Installation and Maintenance.

ACTIVITY NO.3



ESSAY

Direction: Explain briefly the following topics.

1. 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)

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ACTIVITY NO.4



REFLECTION

I have learned that...

I have realized that ...

I will apply ...

REFERENCES:

- Electrical Installation and Maintenance Module 2
- <https://www.theprocesspiping.com/reducers-in-process-piping/#:~:text=A%20reducer%20is%20a%20kind,piping%20of%20a%20different%20size.>
- <https://en.wikipedia.org/wiki/Reamer>

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