

Job site: \_\_\_\_\_  
 Foreman: \_\_\_\_\_

Date: \_\_\_\_\_  
 G.C. \_\_\_\_\_

<b>SMOHIT Safety Sense</b> <b>Toolbox Talks for the Sheet Metal Industry</b>	<h3 style="margin: 0;">Illumination</h3> <ul style="list-style-type: none"> <li>Poor lighting on the jobsite can lead to injuries and accidents, such as tripping and falling, and accidents involving tools and equipment.</li> <li>OSHA requires that all construction areas, including stairs, ramps, corridors, storage areas, shops, and offices be lit by natural or artificial illumination.</li> <li>For general construction areas, illumination must be equal to 5-foot candles. A foot candle is the standard unit for measuring intensity of illumination and is defined as "a unit of illuminance on a surface that is everywhere one foot from a uniform point source of light of one candle and equal to one lumen per square foot." Generally speaking, if you are able to read drawings and follow layout marks without difficulty and use cutting tools effectively and with ease, there is sufficient lighting on the site.</li> <li>All lamps for general illumination must be protected from accidental contact or breakage. Temporary lights may not be suspended by their cords unless the cords and lights are designed for this type of suspension. Metal case sockets must be grounded and all flexible cords and cables must be protected from damage by avoiding sharp corners and other projections.</li> <li>Portable electrical lighting used in wet and/or other conductive locations must be operated at 12 volts or less. If lights are protected by a ground fault circuit interrupter, 120-volt lights may be used.</li> <li>All temporary wiring must be removed immediately upon the completion of the project.</li> </ul>	<h3 style="margin: 0;">Instructor Tips</h3> <ul style="list-style-type: none"> <li><b>Emphasize that proper illumination is important for maximizing production and maintaining quality control.</b></li> <li><b>Provide examples of how poor lighting on the jobsite can affect the quality of work performed, or increase the possibility of accidents and injuries.</b></li> </ul>
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Reference: OSHA 29 CFR 1926.56, .405