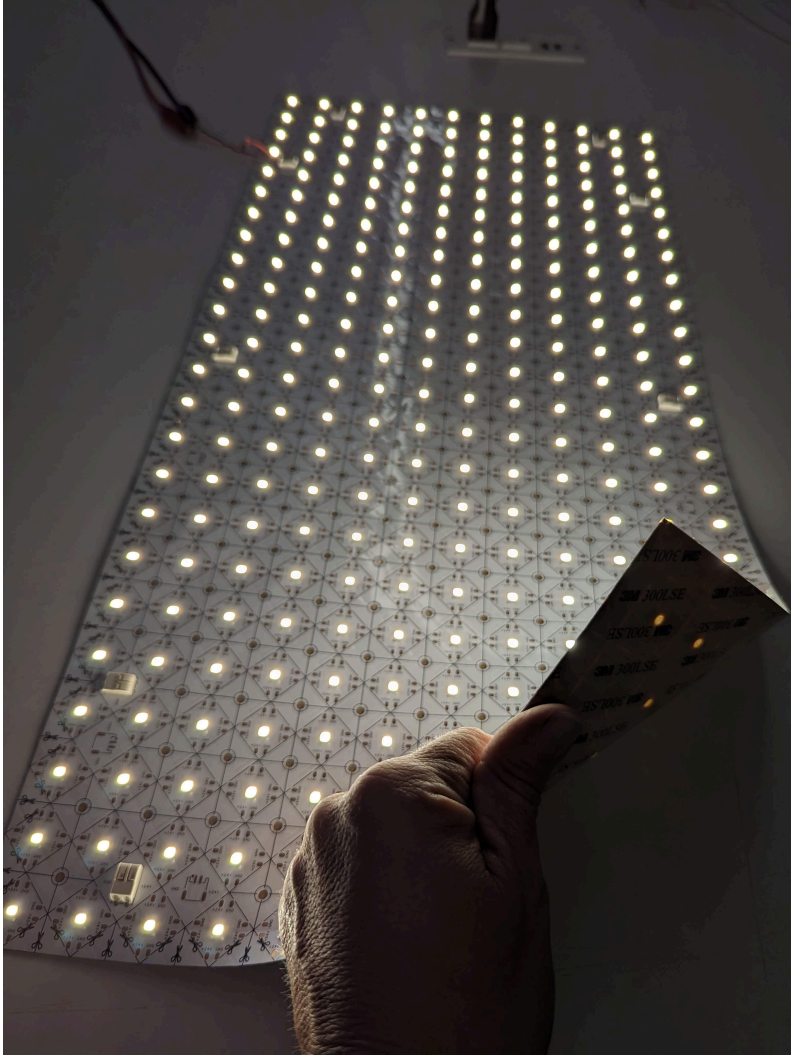


# INSTALLATION MANUAL



## StoneGlow™ QUICK SPECS

<b>VOLTAGE</b>	24V DC
<b>WATTAGE</b>	Up to 35 Watts per sheet (18.5 per sq ft)
<b>CRI</b>	90+
<b>MAX RUN</b>	96W (5 Sheets Total) Per Wire
<b>IP RATING</b>	IP20
<b>DIMMING</b>	5 - 100%
<b>DIMENSIONS</b>	12" (304.8mm) W x 24" (609.6mm) H
<b>BEAM ANGLE</b>	120°
<b>OPERATING TEMP</b>	-20°C (4°F) to 45°C (113°F)
<b>CERTIFICATIONS</b>	cULus Listed - Maintains UL listing when cut
<b>RATED LIFE</b>	50,000 Hours - L70 or 70% of Initial Lumen
<b>INPUT</b>	12VDC Constant Voltage
<b>POWER</b>	35W per sheet / .31W per square ft
<b>AMBIENT TEMP*</b>	-4° - 122°F (-20° - 50°C)
<b>ENVIRONMENT**</b>	Indoor/Dry Location

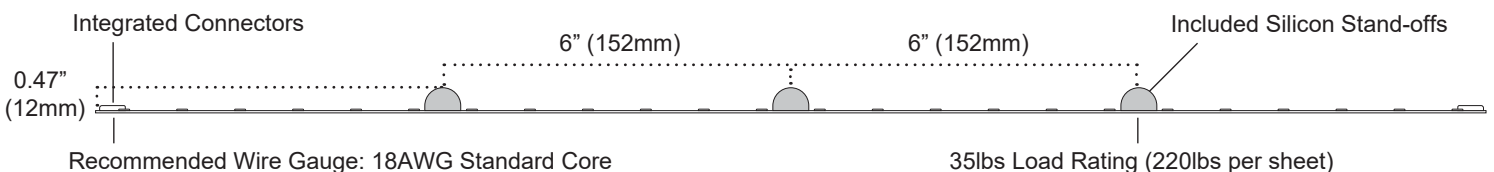
## IMPORTANT - Before you start

**Make sure you have all necessary parts and accessories as shown on the next page before you take it to the job site.**

**Read directions carefully.  
Contact us with any questions:**

**Email:** [Sales@impactlightinginc.com](mailto:Sales@impactlightinginc.com)  
**Website:** <https://impactlightinginc.com>  
**Phone:** (800) 507-5714

## Quick Dimensions



# IMPORTANT - Before you begin

**BEFORE THE JOB SITE: This is what you need.**

## WHAT COMES IN THE PACKAGE

✓ **StoneGlow™ LED Sheets**



✓ **Clear Silicon Supports**



✓ **Jumpers - RGBW Only**



## ACCESSORIES: Order Separately

✓ **Wireless RF Controller**



✓ **Power Supply**



✓ **DMX Decoder OR RF Receiver**



✓ **Extra Jumpers - RGBW only**



## TOOLS NEEDED

✓ **Wire Stripper/Cutter**



✓ **Scissors**



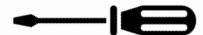
✓ **Drill**



✓ **Hot Glue Gun with Glue sticks**



✓ **Screwdriver**



## CALCULATE POWER REQUIREMENTS

### WIRE GAUGE & VOLTAGE DROP

- Ensure applicable wire is installed between driver, fixture, and any controls in between.
- When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.)

**--> ADD 20% Buffer to total watts**

For Example:

1 - 12" x 24" (2 sq ft) sheet is 35 Watts

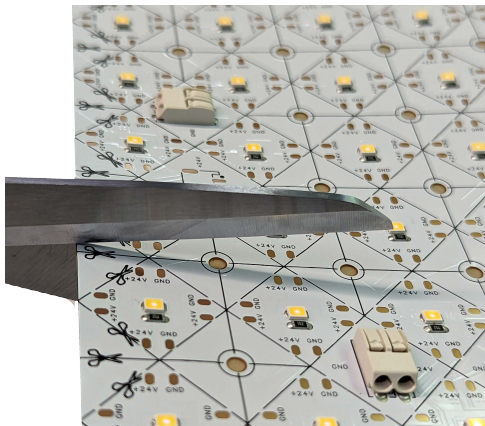
5 sheets x 35 Watts = 175 Watts x 1.2

(20% Buffer) Equal 210 Watts

**USE 240W POWER SUPPLY**

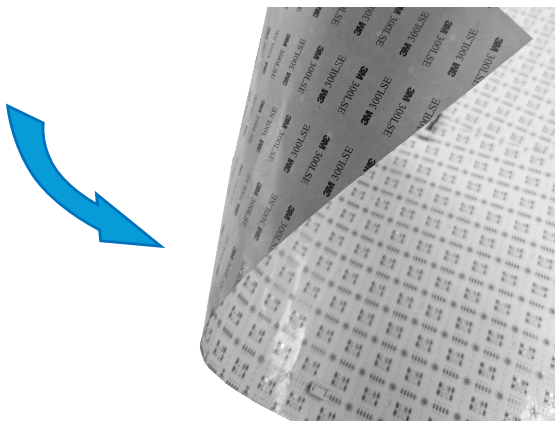
## ① CUT SHEET IF NEEDED

- When cutting, ensure to only cut along dashed or solid straight lines.
- Do not cut connection point from sheet. This is required for installation.



## ② PEEL BACK OFF

- Peel 3M back off StoneGlow™ LED Sheet.
- Clean Surface
- Place on your material.

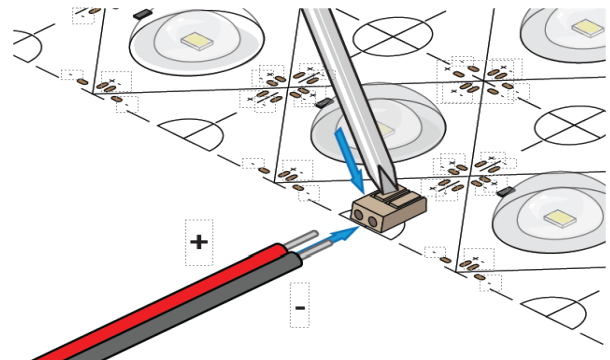


## ③ CONNECT WIRING

- Use a screwdriver to depress tabs on connector and push in wires.

*\*Ensure polarity is correct.*

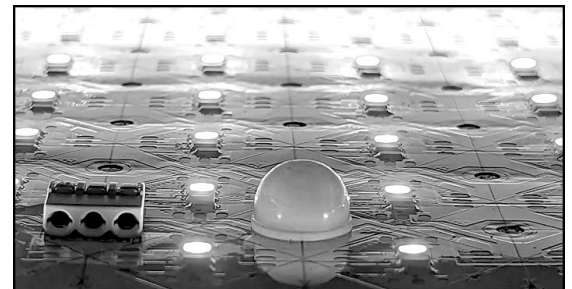
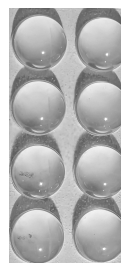
*Make sure positive + is connected to positive + and Negative - is connected to Negative -*



**Recommended Wire Gauge:  
18AWG (Standard Core)**

## ④ Place Silicon Supports on StoneGlow™ Sheet.

- Peel and stick on the LED Sheet to help lift and support your material.
- Space evenly



## ⑤ CONNECT TO POWER AND LIGHTING CONTROL

See Wiring Diagrams on next pages for details

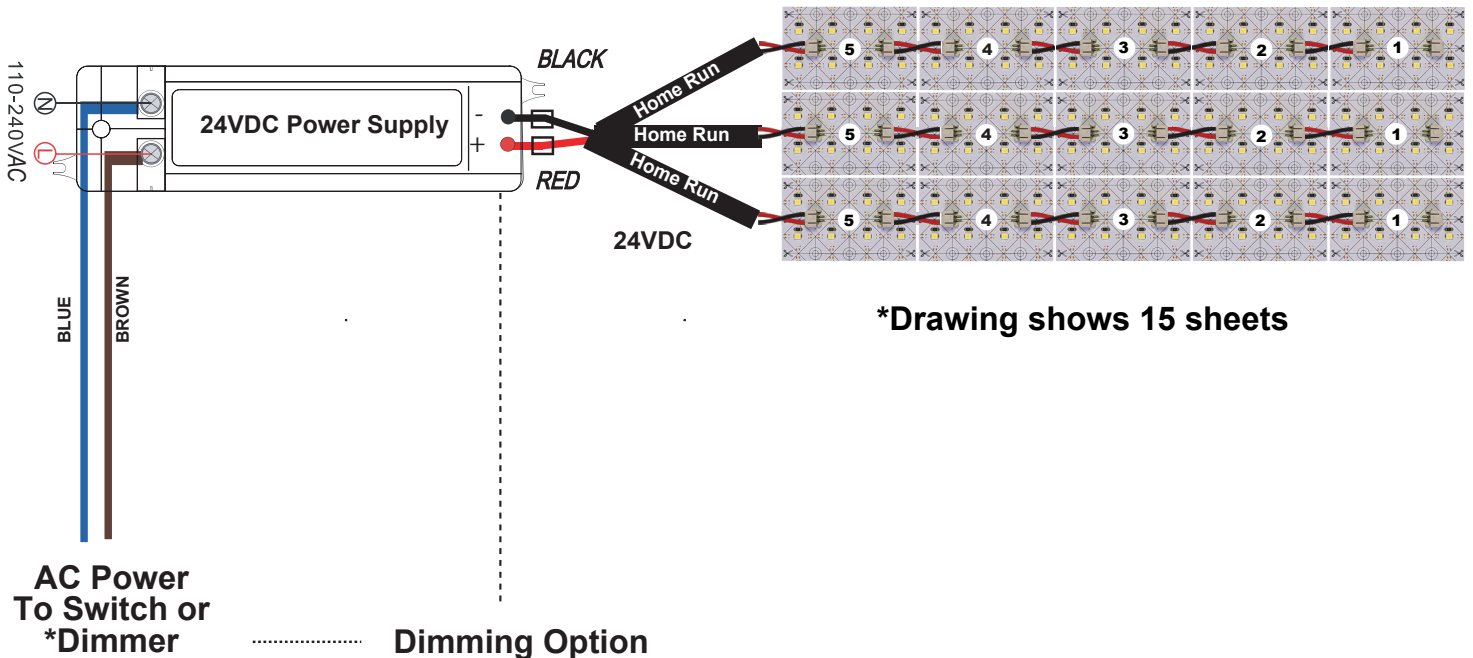
# StoneGlow™ SINGLE WHITE LED Sheets

## Wiring Diagram - \* With Optional Dimmer

Recommended Wire Gauge: 18AWG (Standard Core)

UL LISTED 100W 24VDC Class 2 w/ 4amp current capacity outdoor rated power supply

**IMPORTANT**  
Every 5 - 12" X 24" Sheets requires a **home run** to the Power Supply

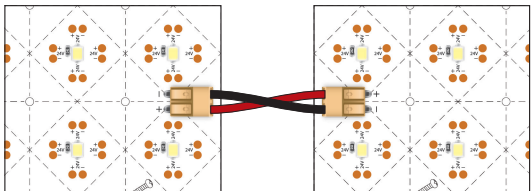


\*For dimming use a UL Listed 24VDC Magnetic Dimmable Transformer



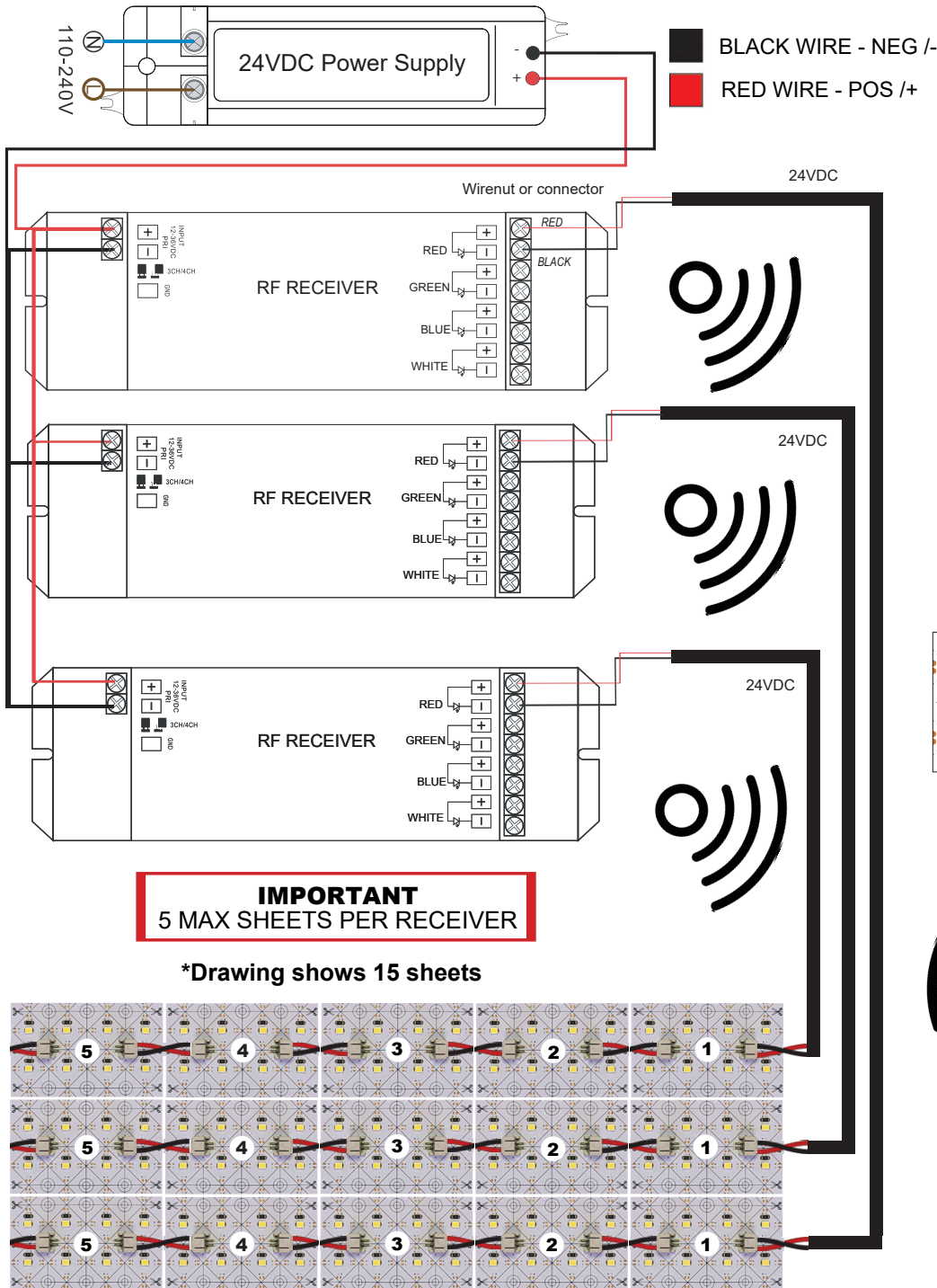
UL Listed 24VDC Magnetic Dimmable Transformer

Example of Sheet to Sheet Jumper Linking  
SINGLE WHITE LED

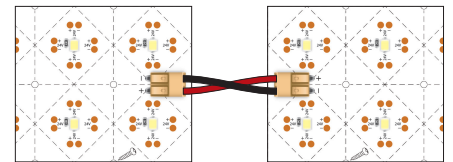


## Wiring Diagram - \*Optional Wireless System

**Recommended Wire Gauge: 18AWG (Standard Core)**



**Example of Sheet to Sheet Jumper Linking**  
SINGLE WHITE LED

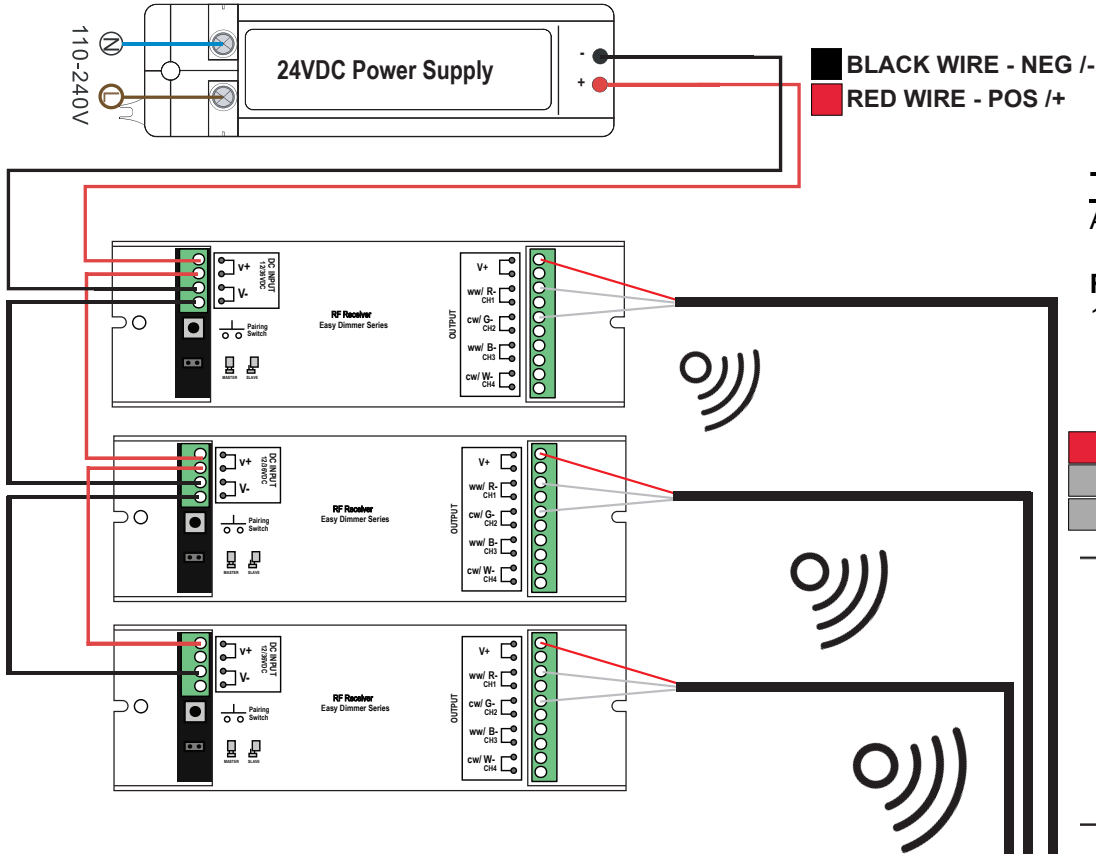


WIRELESS DIMMER

# StoneGlow™ TUNABLE LED Sheets

Wiring Diagram- \*Optional Wireless System (Sold Separately)

**IMPORTANT**  
Every 5 - 12" X 24" Sheets requires a home run to a RECEIVER

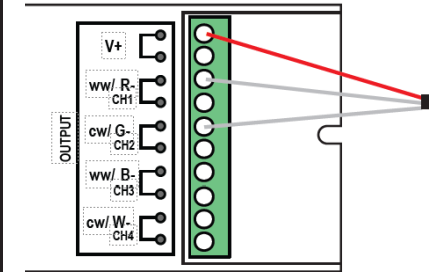


**Tunable White Wiring**  
Any color wire will work.

**Recommended Wire Gauge:**  
18AWG (Standard Core)

**EXAMPLE SHOWS:**

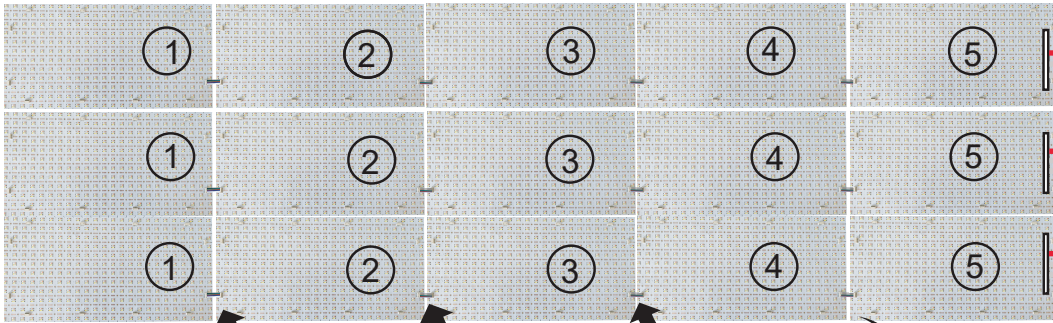
- RED WIRE - POS/+
- WARM WHITE WIRE - WW /R-
- COOL WHITE WIRE - CW / G-



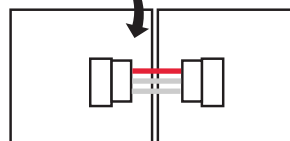
**IMPORTANT**  
5 MAX SHEETS PER RECEIVER

**Example of Sheet to Sheet Jumper Linking**

\*Drawing shows 15 sheets



**Tunable White Jumpers**  
Use 3 wires. Not Included.



WIRELESS DIMMER

# TROUBLESHOOTING and TOOL TIPS

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**NOTES:**

- ▶ **Problem:**
- ▶ **Possible Cause:**
- ▶ **Solution:**

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03/2024