

# 60 ProTools Linear

WG-60PTLWG-RGT9/15  
WG-60PTLSG1-RGT9/15  
WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

## Installation Instructions

Luminaires must be installed by a qualified electrician. Check with local and national codes for proper installation.



To prevent electrical shock disconnect electrical supply before installation or servicing.

**Never connect a live fixture!!!**

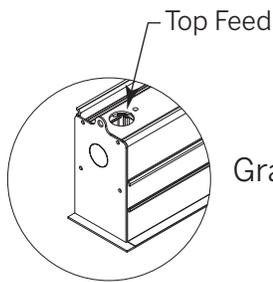
Contractor is responsible for adequately reinforcing walls and/or ceilings to support fixture weight. Provide blocking when necessary.

### Step 1 - Open the Box

Unpack luminaire unit. Unit consists of (2) major parts: Housing and Gear Tray with Lens/Diffuser. If Soft Graze option specified, a Soft Graze Bracket is considered an **additional** major part. Integral Drivers supplied by Inter-lux.

#### Wall Mounting Clips

- (3) supplied with Fixtures 48" L and under
- (4) supplied with Fixtures 48" L to 96" L



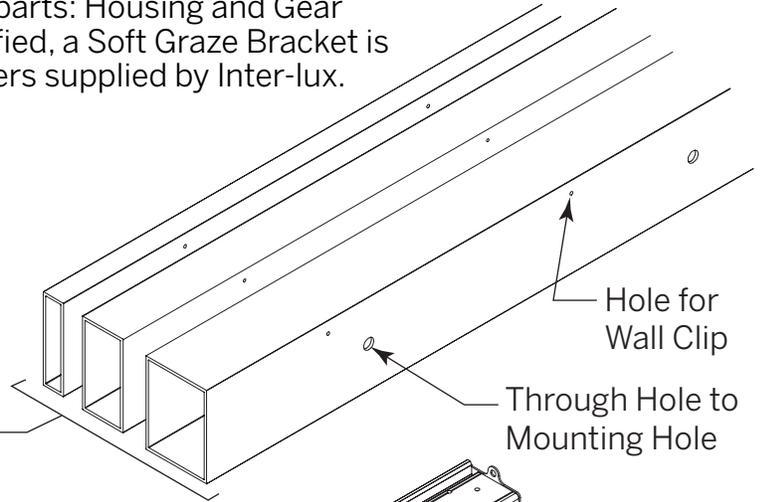
A *Top Feed* option is available, where a hole is drilled into profile. Conduit and Clamp supplied by others.

A *Flat End Cap* is available as an option (ordered separately) where there is not enough space to house the standard flanged End Cap.



1", 2", 3" Soft Graze Brackets (Optional)

(2) Knock-out Covers For Chicago Plenum



Housing

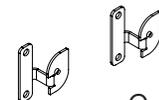
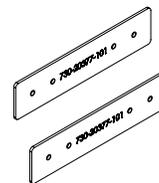
Gear Tray

(1) Gear Tray Removal Tool



End Caps come pre-installed on both **Stand Alone Units** and **Start** and **End Units** of **Multi Unit Runs**

(2) Side Joiners



Grid Mounting Clips (2 per 24" + 2)



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WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

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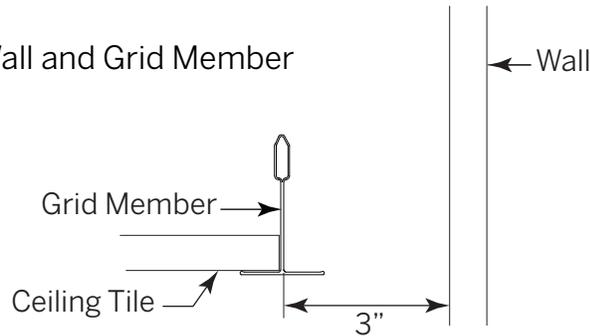
## Step 1 - **Open the Box** (continued)

### **Installation for Chicago Plenum**

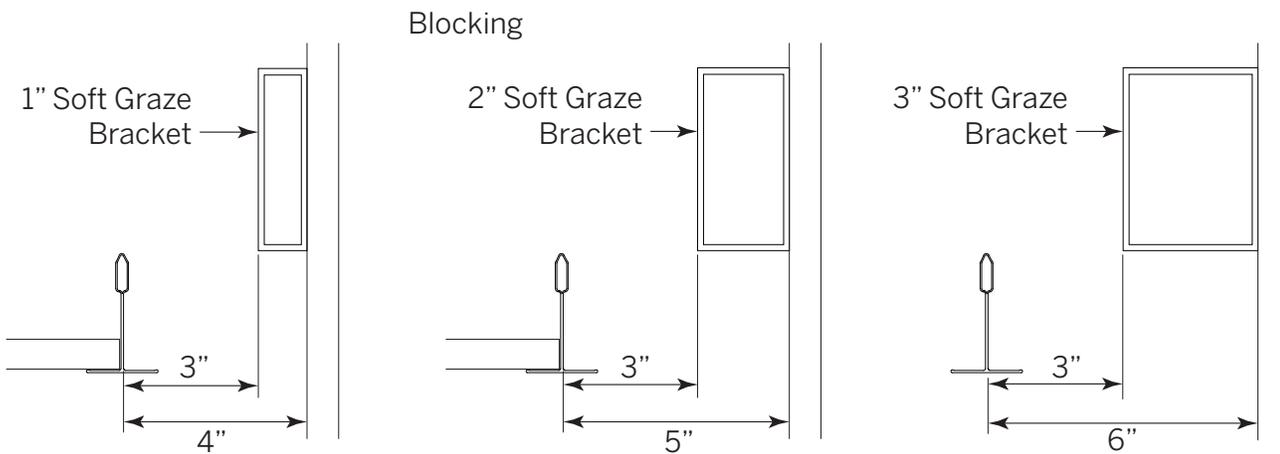
To install this fixture consistent with Chicago Plenum requirements, Chicago Plenum rated conduit, junction box(es) and gasket(s) are supplied by others. In addition, fixtures must be installed in an accessible ceiling, particularly Multi Unit Runs (See **Step 7c**, or **Step 15c**).

## Step 2 - **Installation Prep**

- a** Allow an opening of 3" between Wall and Grid Member



- b** If order calls for Soft Graze illumination, install the Soft Graze Bracket now using screws and anchors (supplied by others). Opening between Wall and Grid Member increases as follows:



## No Ceiling Grid in Place vs. Ceiling Grid in Place

If Grid Ceiling **is not** yet in place, continue next page.

If Grid Ceiling **is already** in place, begin with **Step 11**, page 9.



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WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

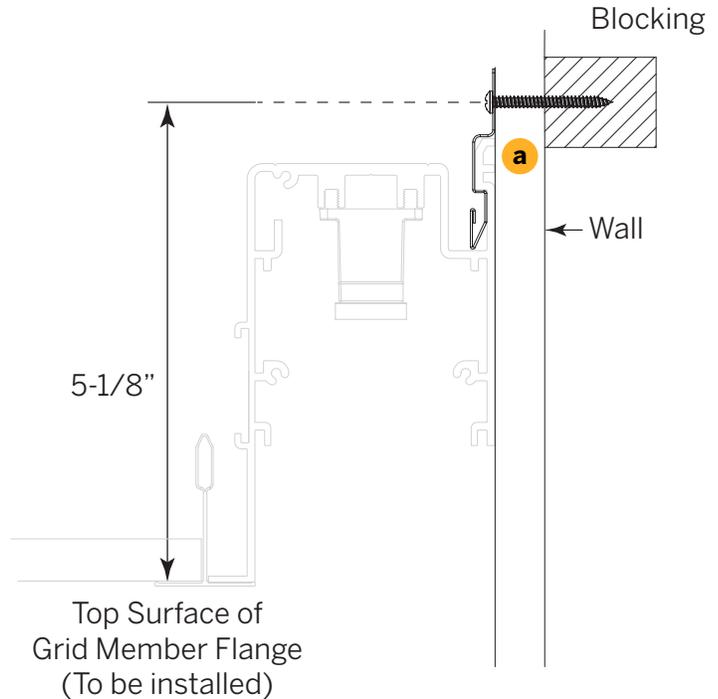
## No Grid in Place

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### Step 3 - **Install Wall Clips** - Stand Alone or Multi Unit Run; No Grid in Place

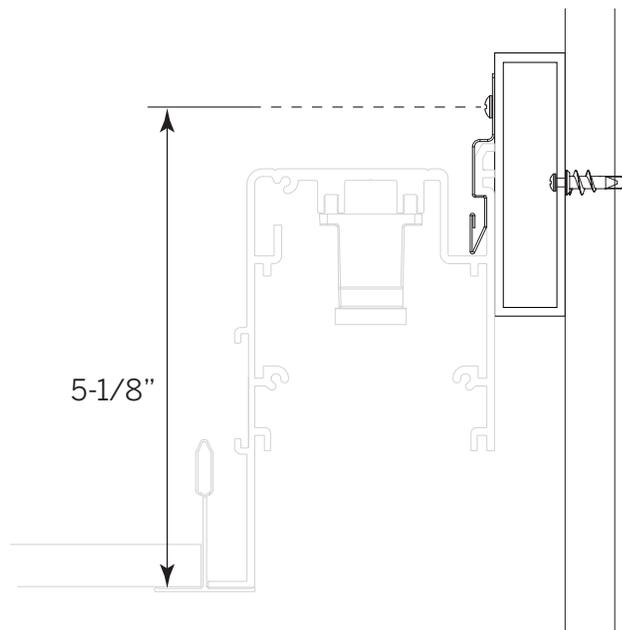
#### Direct Wall Mount

- a** Determine mounting location relative to exposed surface of ceiling (not yet installed), approximately 5-1/8" as shown at right. Lay out a level line for all Wall Clips, whether a single Stand Alone Unit or a Multi Unit Run.
- b** Add Blocking behind Wall to support weight of fixture, and fasten Clips to Wall with screws and anchors (supplied by others). Locate Wall Clips no less than 3" from each end of Fixture. Clip spacing is (1) per foot on centers.



#### Soft Graze Mount

- a** Determine mounting location of Soft Graze Bracket such that center of Wall Clip Hole is approximately 5-1/8" from top of Grid Member Flange, as shown below.
- b** Fasten Mounting Clips to Soft Graze Bracket with screws and anchors (supplied by others).



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WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

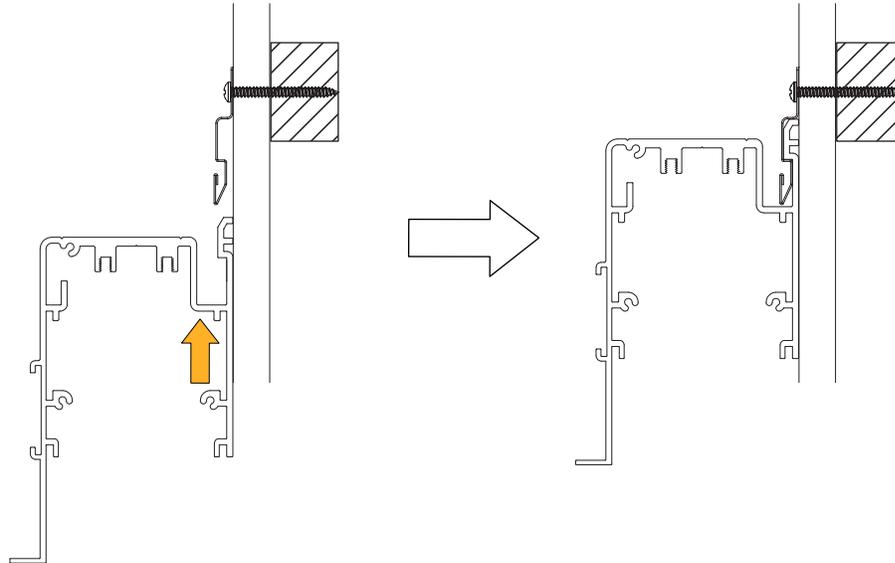
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## Step 4 - **Install Housing** - No Grid in Place

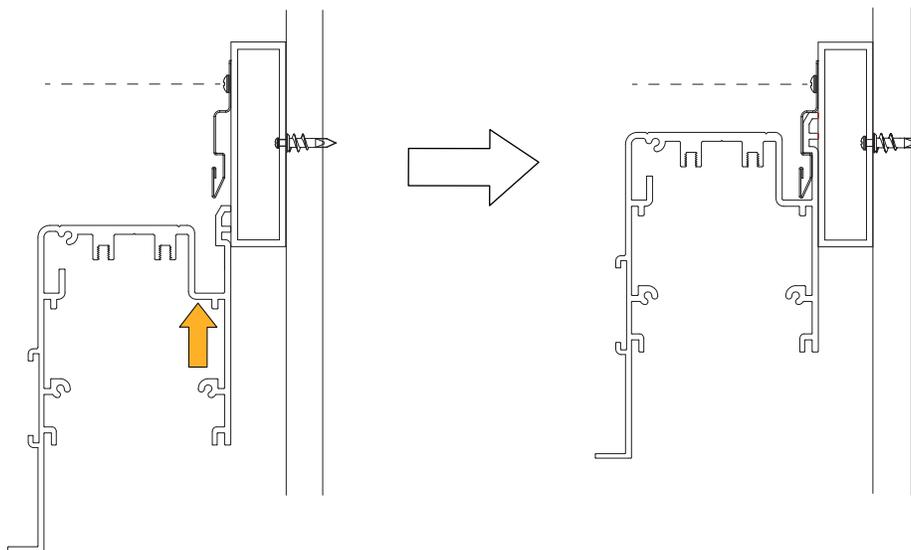
### *Stand Alone Unit or First Unit in Multi Unit Run*

Slide Housing up against Wall, or up against Soft Graze Bracket, as shown. Uppermost portion of Housing slides up and under Mounting Clip.

#### *Direct Wall Mount*



#### *Soft Graze Mount*



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WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

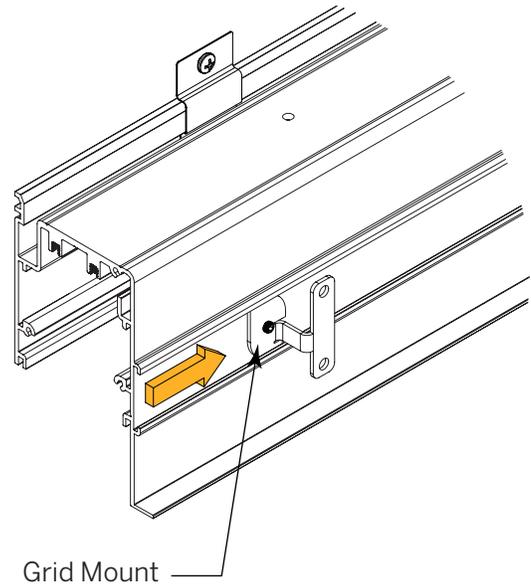
**Wall Graze**  
Recessed Grid Trim

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## Step 5 - **Install Grid Mounts** - No Grid in Place

- a** Slide Grid Mounts into major exterior channel from *each end* of Housing.
- b** Slide Grid Mounts at least 2½" into channel.
- c** Fasten Grid Mounts to Housing using supplied Set Screw.

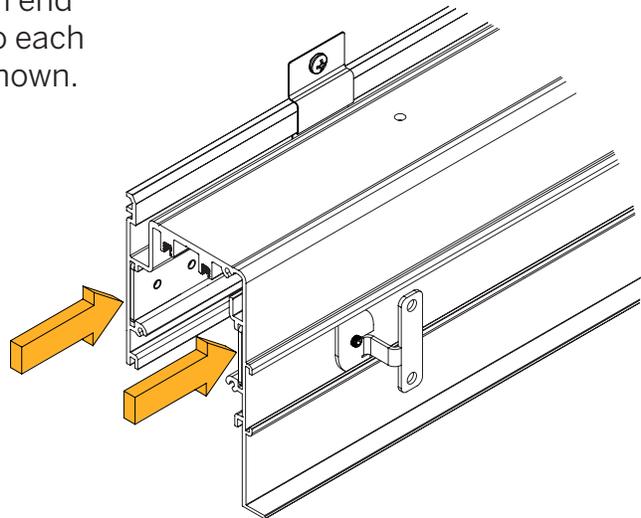
**NOTE:** Number of Grid Mounts supplied depends on length of Housing. Space evenly.



## Step 6 - **Install Joiners** - Multi Unit Run only; No Grid in Place

With Start Unit fully mounted, slide a Joiner on end of first Middle Unit or End Unit completely into each interior channel on each side of Housing, as shown.

**Do not** fasten Joiners to Housing at this time.



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# Wall Graze

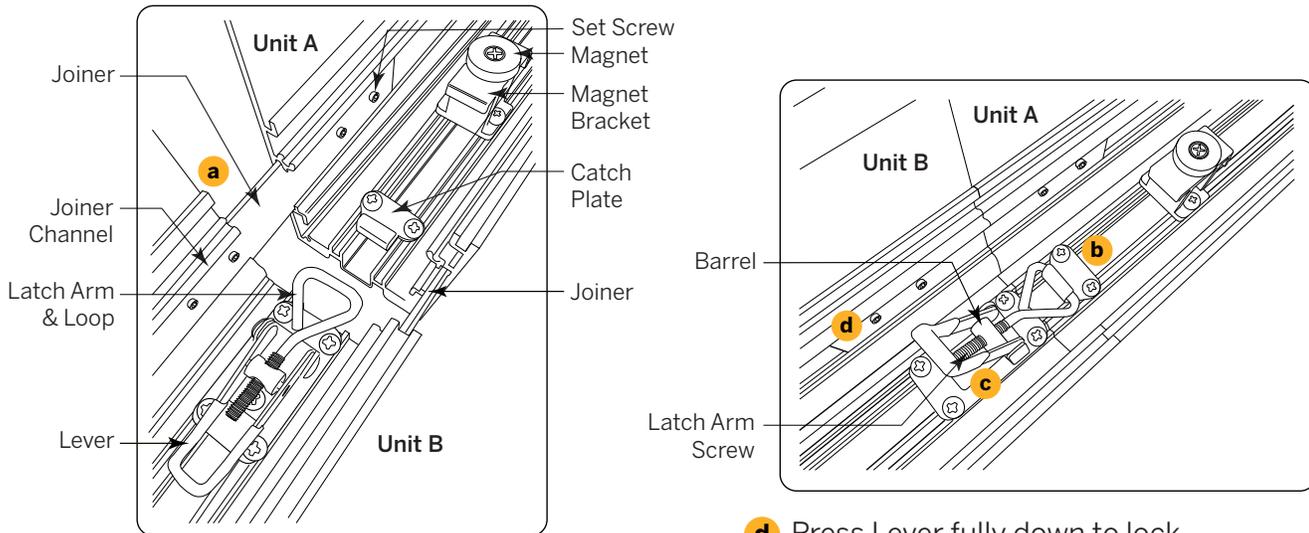
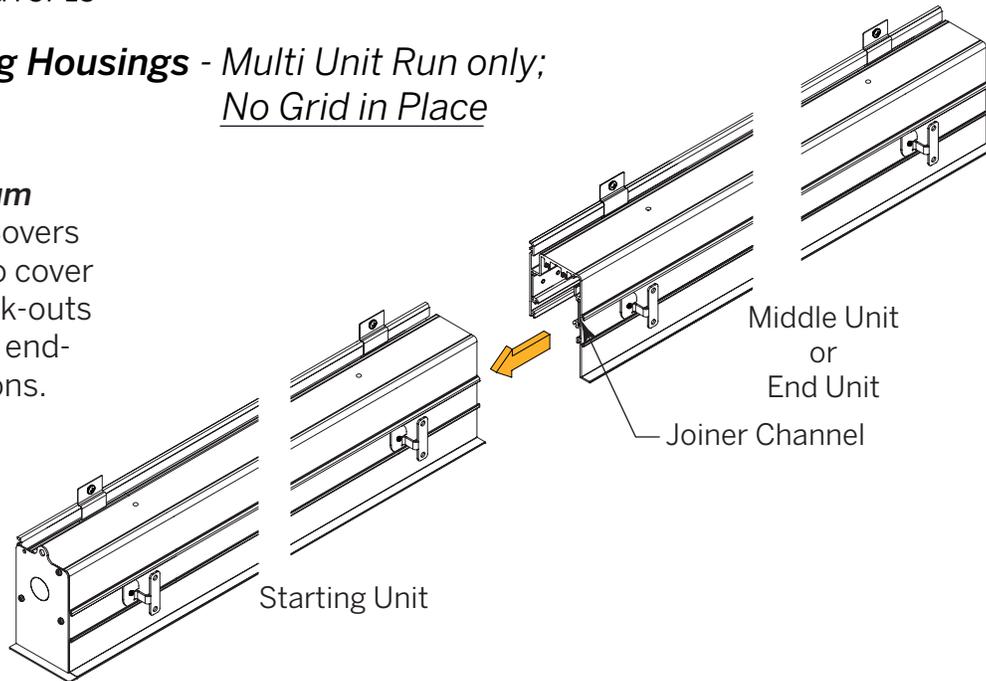
Recessed Grid Trim

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## Step 7 - **Joining Housings** - Multi Unit Run only; No Grid in Place

### Chicago Plenum

Snap in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections.



- a** Insert Joiners of Unit A (Middle or End Unit) into Joiner Channels of Unit B (adjacent unit).
- b** Draw units completely together. Hook Latch Arm & Loop over Catch Plate. Adjust length of Latch Arm by rotating Latch Arm Screw through Barrel.
- c** **Chicago Plenum only:** As Housings are drawn together apply silicone caulk to outside joint. Ensure that squeeze-out does not interfere with Joiners sliding into final position.

- d** Press Lever fully down to lock.
- e** Center each Joiner on Housing Joint.
- f** Tighten all Set Screws on both Joiners. **Do not** overtighten. Overtightening risks deforming Housing surface.
- g** Repeat **Steps 8 & 9** for each Middle Unit and/or End Unit.

Need Help?

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WG-60PTLSG3-RGT9/15

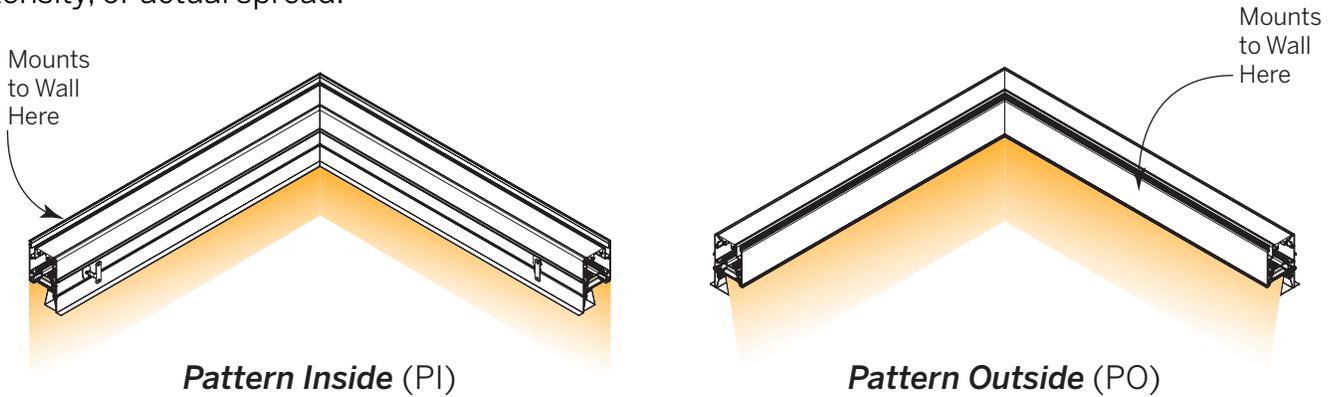
# Linear Wall Graze

Recessed Grid Trim

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## Step 8 - **Corners** - *Multi Unit Run only; No Grid in Place*

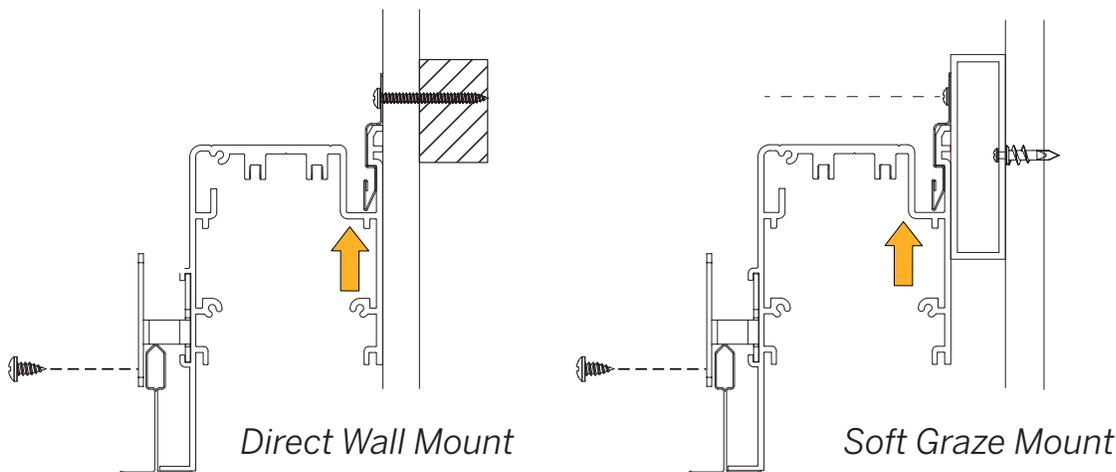
Pattern Inside (PI) and Pattern Outside (PO) Corners are welded at the factory. Follow **Steps 6 & 7** to mount to existing Run. Corners use same Latch Arm and Catch Plate joining system as on straight units. Illustration of light output shows direction only, and is not indicative of color, intensity, or actual spread.



**NOTE:** Grid Clips not seen in this view.

## Step 9 - **Fasten Housings to Grid** - *No Grid in Place*

When Grid Ceiling is hung, fasten Grid Mounts to Grid Members using appropriately-sized screws (by others).



# 60 ProTools Linear

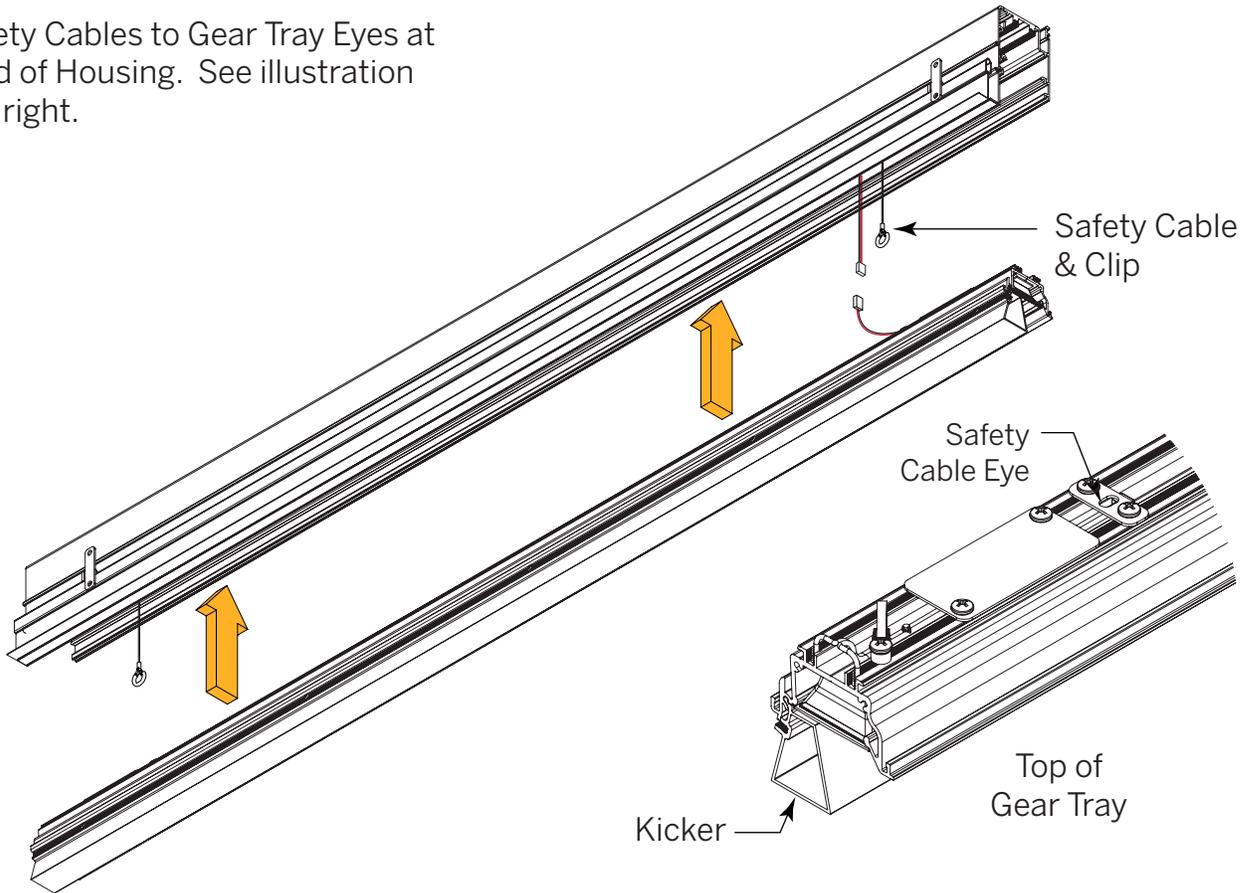
WG-60PTLWG-RGT9/15  
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WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

**Wall Graze**  
Recessed Grid Trim

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## Step 10 - **Hang Gear Tray** - No Grid in Place

- a** Locate Safety Cables inside Housing.
- b** Clip Safety Cables to Gear Tray Eyes at each end of Housing. See illustration at lower right.



For Wiring and Placing  
Gear Tray in Housing,  
skip to **Step 20**, page 15.

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WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

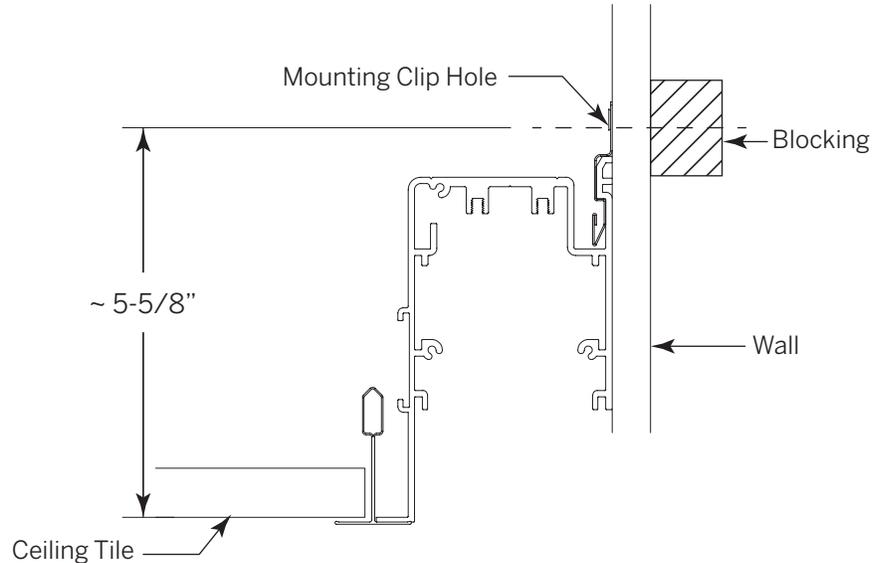
## Grid in Place

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### Step 11 - **Install Wall Clips** - Stand Alone or Multi Unit; Grid in Place

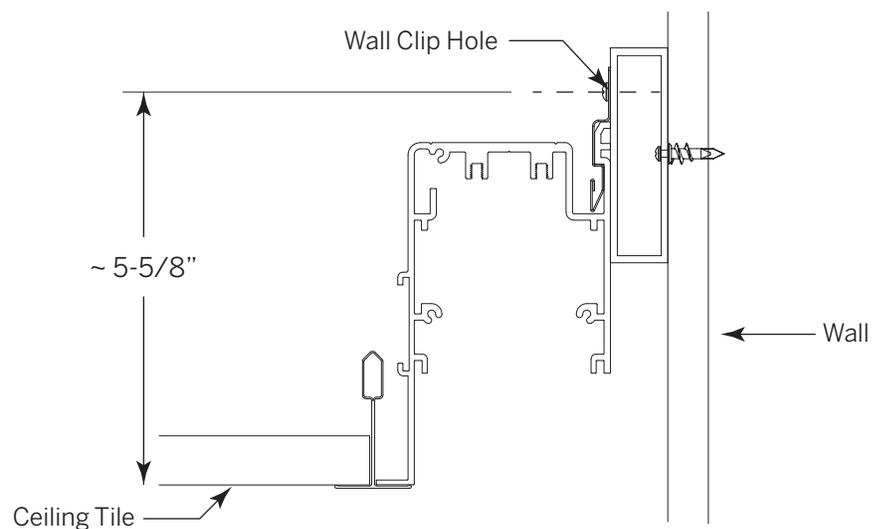
#### Direct Wall Mount

- a** Determine mounting location relative to exposed surface of ceiling, approximately 5-5/8" as shown below. Lay out a level line for all Mounting Clips, whether a single Stand Alone Unit or a Multi Unit Run.
- b** Add Blocking behind Wall and fasten Mounting Clips to Wall with screws and anchors (supplied by others). Clip spacing is (1) per foot on centers.



#### Soft Graze Mount

- a** Determine mounting location of Soft Graze Bracket such that center of Wall Clip Hole is approximately 5-5/8" from top of Grid Member Flange, as shown below.
- b** Fasten Mounting Clips to Soft Graze Bracket with screws and anchors (supplied by others).



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WG-60PTLSG3-RGT9/15

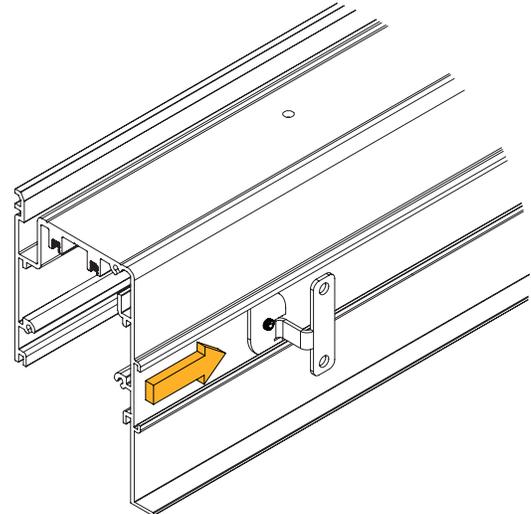
**Wall Graze**  
Recessed Grid Trim

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## Step 12 - **Install Grid Mounts** - Stand Alone or Multi Unit; Grid in Place

- a** Slide Grid Mounts into major exterior channel from *each end* of Housing.
- b** Slide Grid Mounts at least 2½" into channel.
- c** Fasten Grid Mounts to Housing using supplied Set Screws.

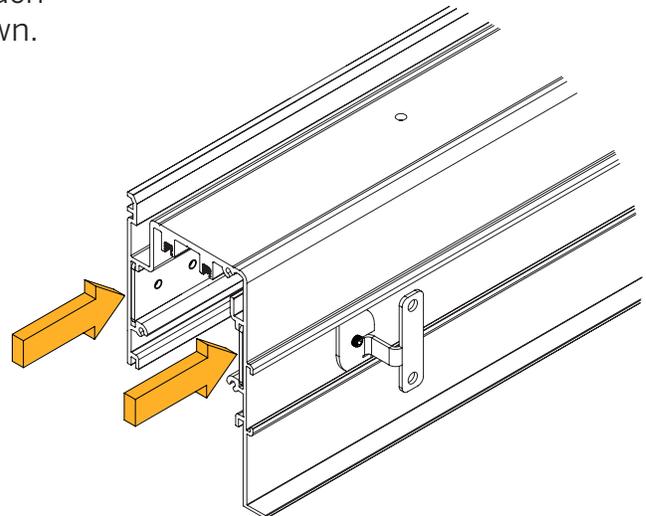
**NOTE:** Number of Grid Mounts supplied depends on length of Housing. Space evenly.



## Step 13 - **Install Joiners** - Multi Unit Run only; Grid in Place

With Start Unit fully mounted, slide a Joiner on end of first Middle Unit or End Unit completely into each interior channel on each side of Housing, as shown.

**Do not** fasten Joiners to Housing at this time.



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WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

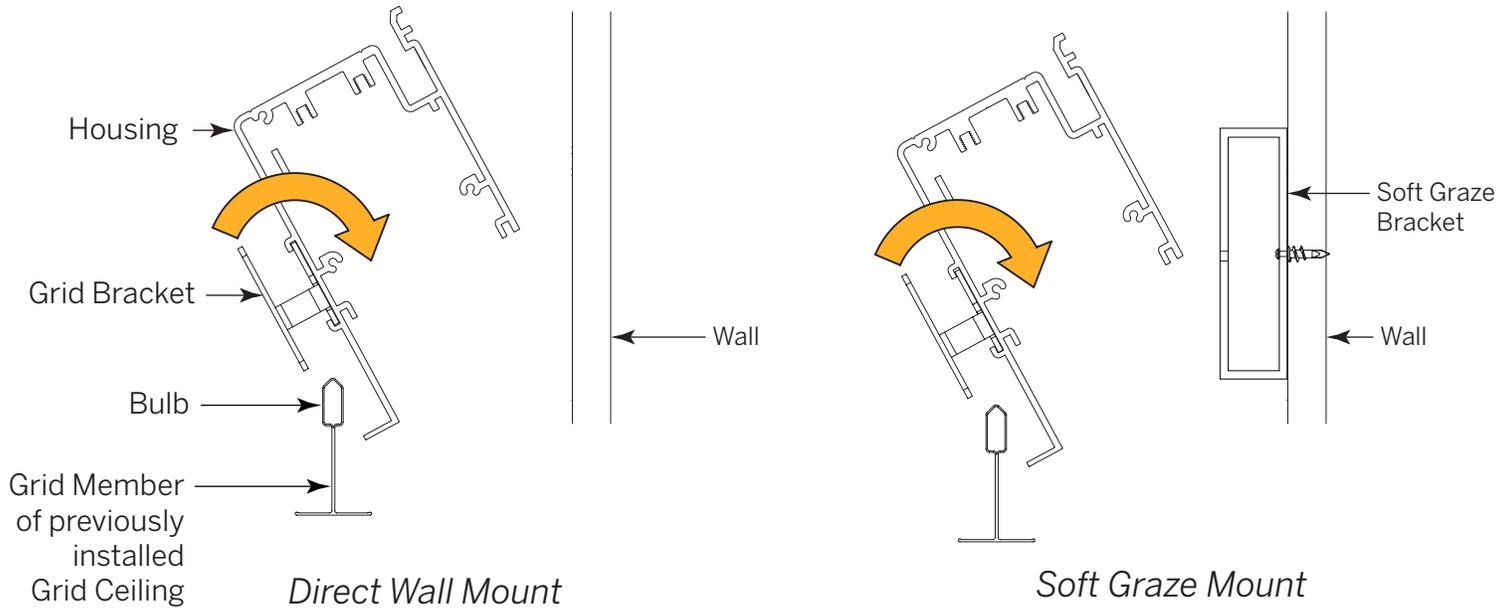
# Wall Graze

Recessed Grid Trim

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## Step 14 - **Install Housing** - Grid in Place

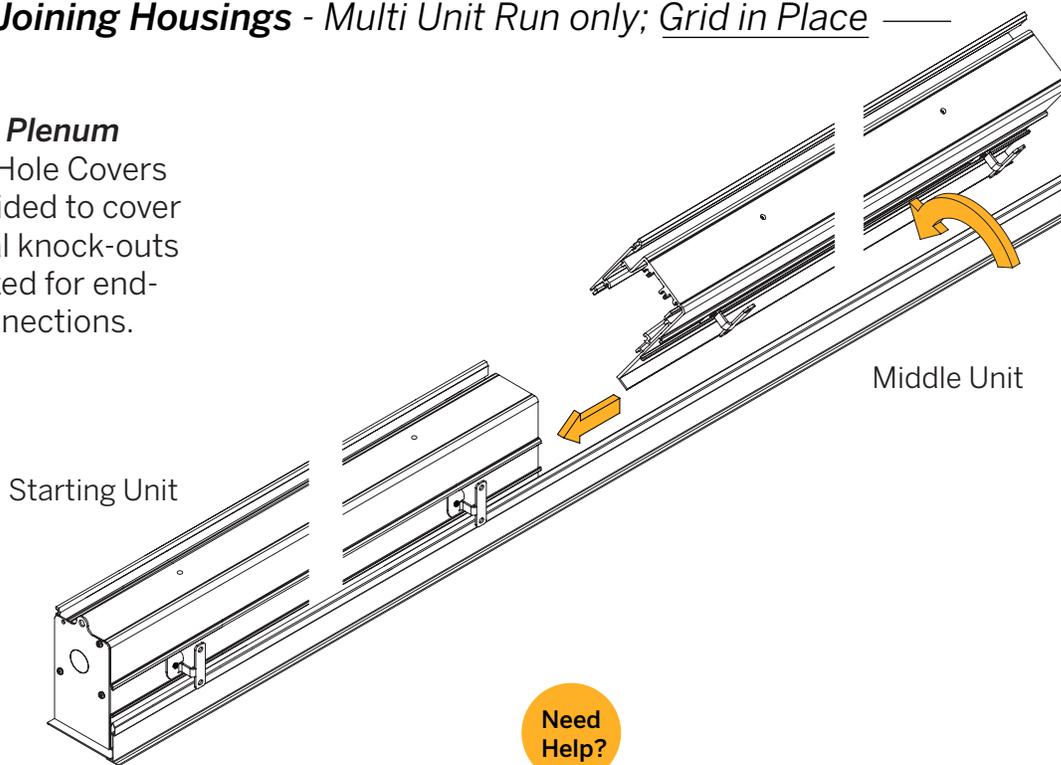
Lower **Stand Alone** Housing or **Starting** Housing Unit in Multi Unit Run onto Grid Member such that Bezel Trim rests on Grid Member Flange and Grid Mount hooks over Bulb. Back of Housing should rest on Wall or Soft Graze Bracket. **Do not** fasten Grid Mount to Grid Member at this time.



## Step 15 - **Joining Housings** - Multi Unit Run only; Grid in Place

### Chicago Plenum

Snap in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections.



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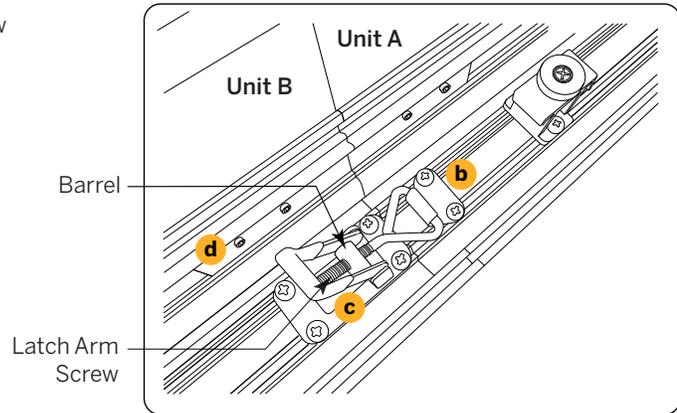
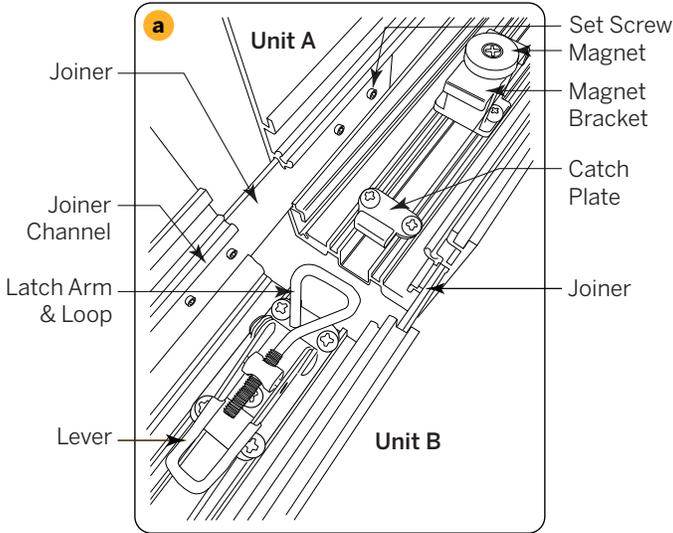
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 WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

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## Step 15 - *Joining Housings* (continued)

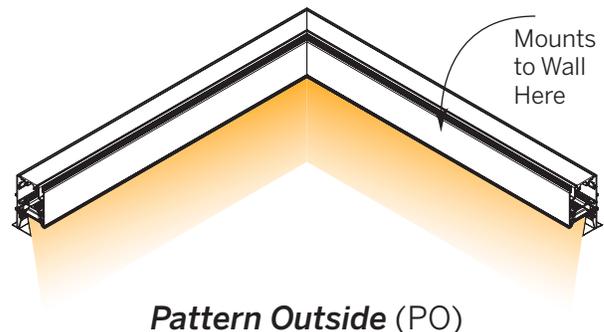
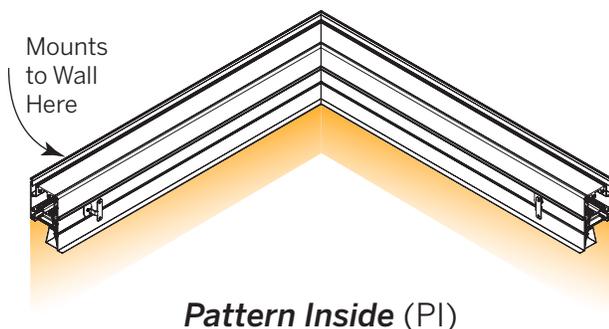


- a** Insert Joiners of Unit A (Middle or End Unit) into Joiner Channels of Unit B (adjacent unit).
- b** Draw units completely together. Hook Latch Arm & Loop over Catch Plate. Adjust length of Latch Arm by rotating Latch Arm Screw through Barrel.

- c** **Chicago Plenum only:** As Housings are drawn together apply silicone caulk to outside joint. Ensure that squeeze-out does not interfere with Joiners sliding into final position.
- d** Press Lever fully down to lock.
- e** Center each Joiner on Housing Joint.
- f** Tighten all Set Screws on both Joiners. **Do not** overtighten. Overtightening risks deforming Housing surface.
- g** Repeat **Steps 14 - 16** for each Middle Unit and/or End Unit.

## Step 16 - **Corners** - Multi Unit Run only; Grid in Place

Pattern Inside (PI) and Pattern Outside (PO) Corners are welded at the factory. Follow **Steps 14 - 16** to mount to existing Run. Corners use same Latch Arm and Catch Plate joining system as on straight units. Illustration of light output shows direction only, and is not indicative of color, intensity, or actual spread.



**NOTE:** Grid Clips not seen in this view.

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WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

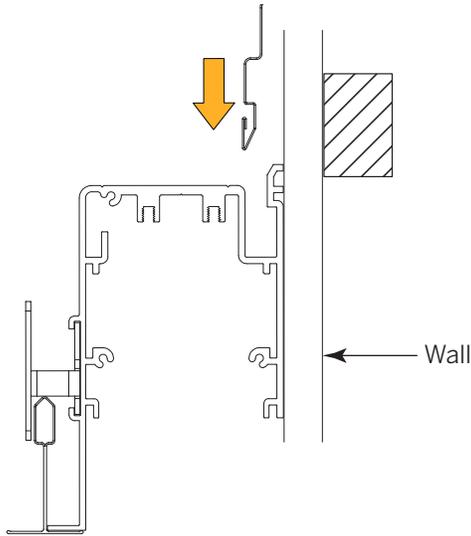
# Wall Graze

Recessed Grid Trim

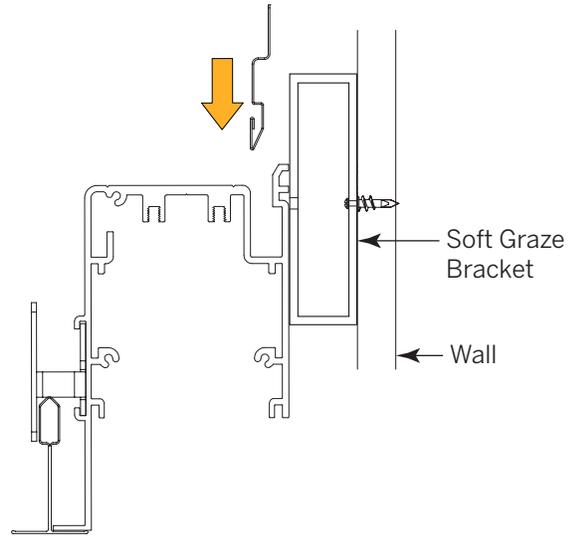
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## Step 17 - *Install Wall Clips - Grid in Place*

- a** Square Housing against Wall or Wall Graze Bracket. Lower Wall Clip into Recess as shown. Place rectilinear bend of Clip over Tongue at rear of Housing.

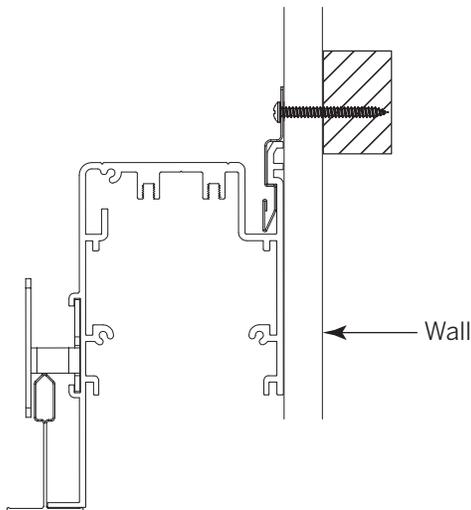


*Direct Wall Mount*

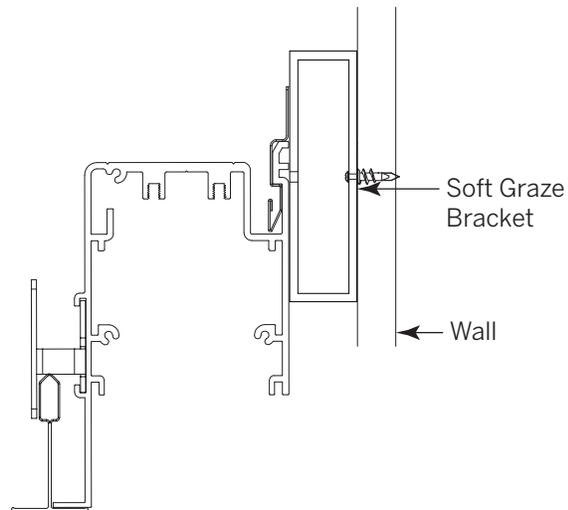


*Soft Graze Mount*

- b** Mark for screw/anchor (by others). Blocking recommended to support weight of fixture. Locate clips no less than 3" from each end of fixture. Soft Graze Bracket pre-drilled and tapped for screw.



*Direct Wall Mount*



*Soft Graze Mount*



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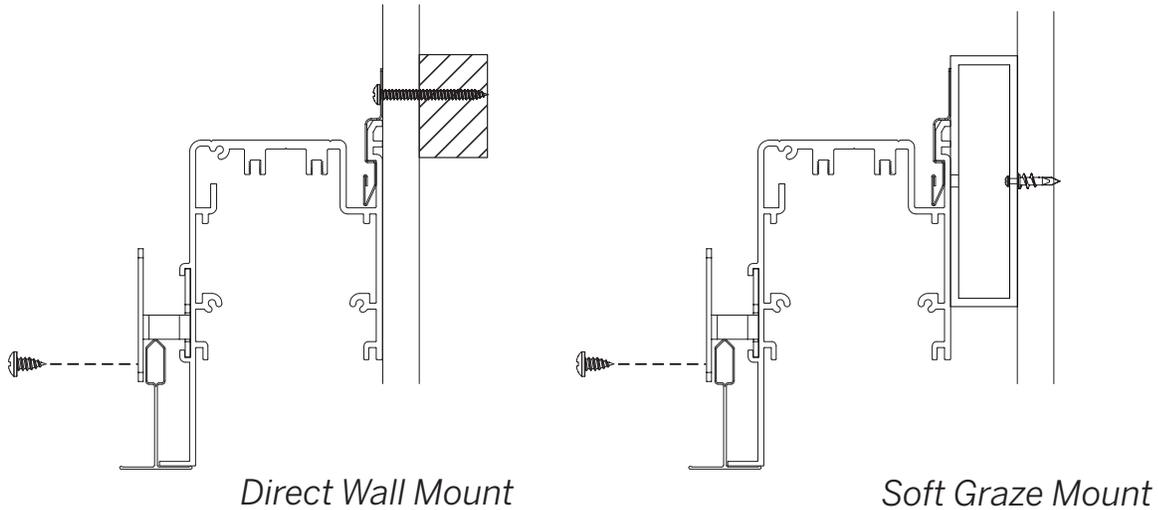
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WG-60PTLSG3-RGT9/15

# Wall Graze

Recessed Grid Trim

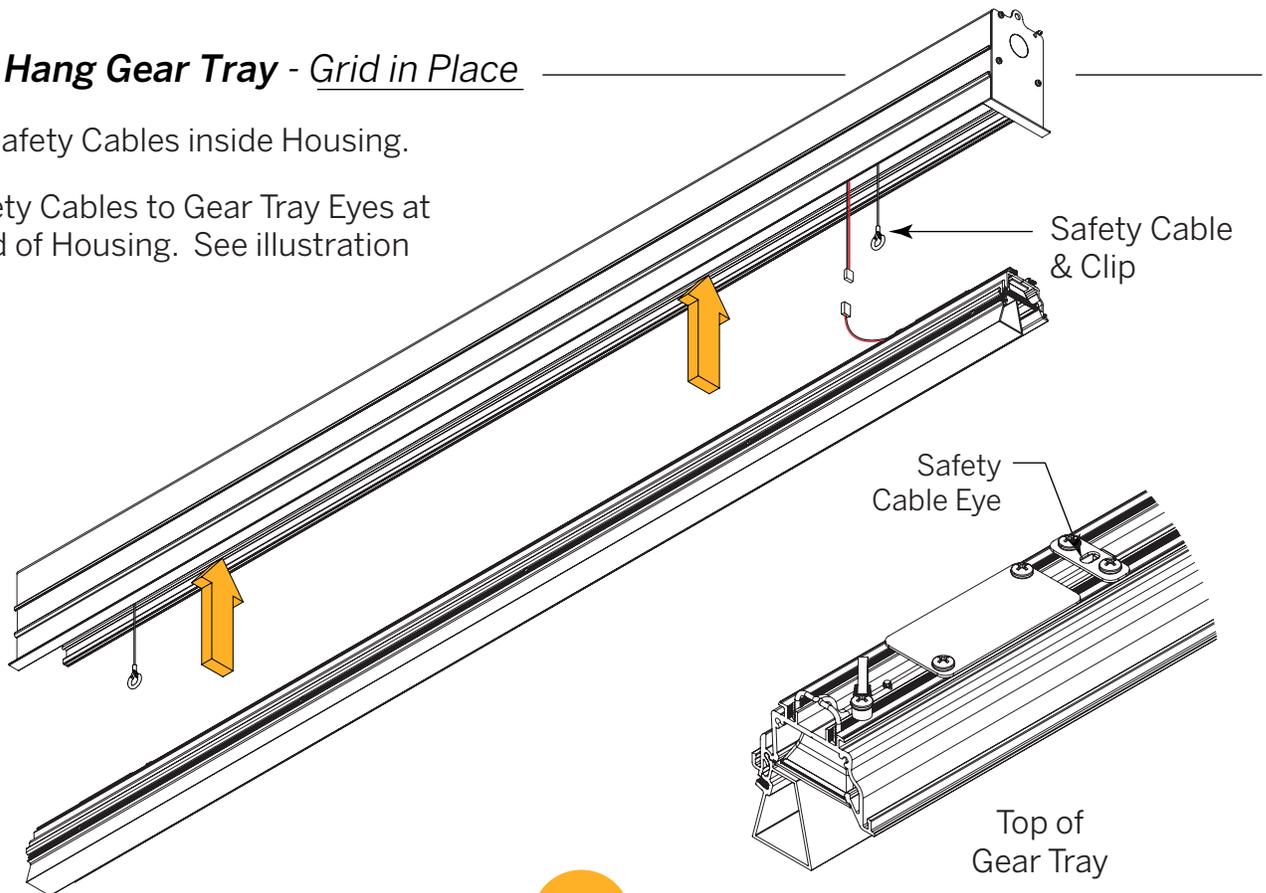
## Step 18 - **Fasten Housings to Grid** - Grid in Place

Fasten Grid Mounts to Grid Members using appropriately-sized screws (by others).



## Step 19 - **Hang Gear Tray** - Grid in Place

- a** Locate Safety Cables inside Housing.
- b** Clip Safety Cables to Gear Tray Eyes at each end of Housing. See illustration at right.



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# Wall Graze

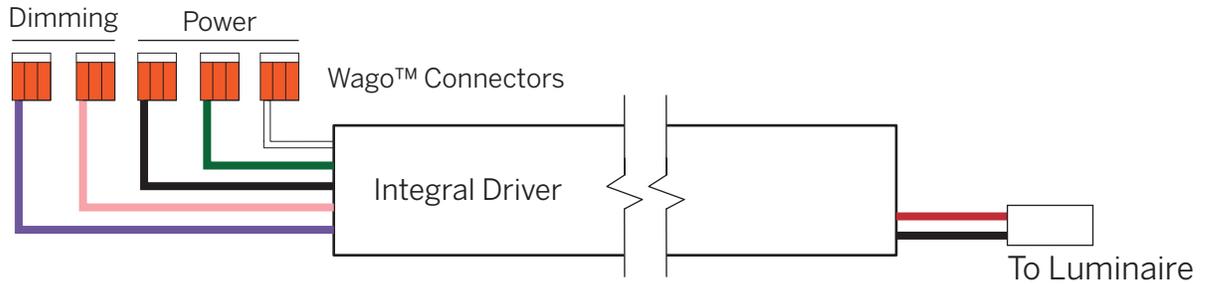
Recessed Grid Trim

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## Step 20 - Wiring

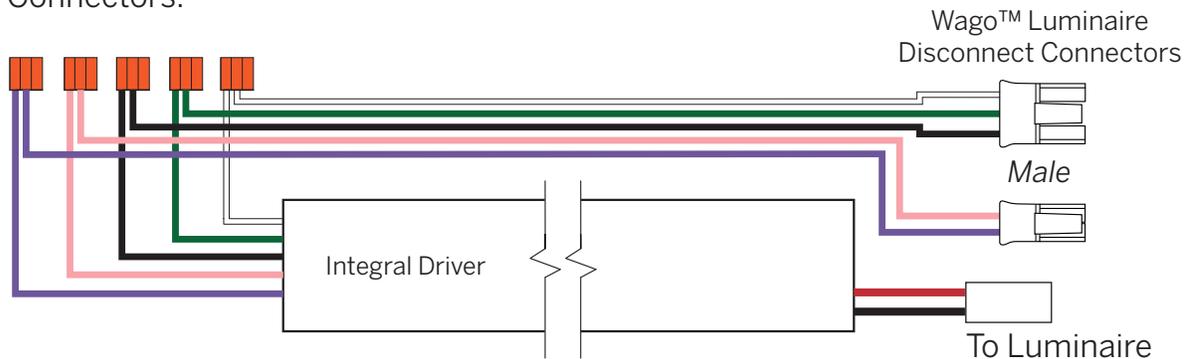
### Stand Alone Unit

Five wires extend from Gear Tray and terminate with Wago™ Connectors. Connect these wires to incoming Power Feed.



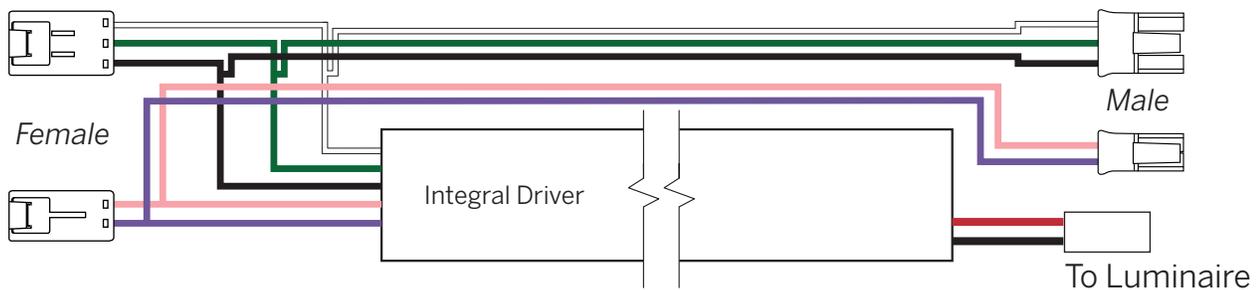
### Multi Unit Run - Start Unit

Five wires extend from Gear Tray and terminate with Wago™ Connectors. Connect these wires to the Power Feed. To connect to the next unit in Run, use the Male pair of Wago™ Luminaire Disconnect Connectors.



### Multi Unit Run - Middle Unit

There are no wires that connect to the Power Feed (except if Middle Unit contains two Drivers). To connect to the previous and the next units in Run, use the Female and Male pairs of Wago™ Luminaire Disconnect Connectors on each side of the unit.



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WG-60PTLSG3-RGT9/15

# Wall Graze

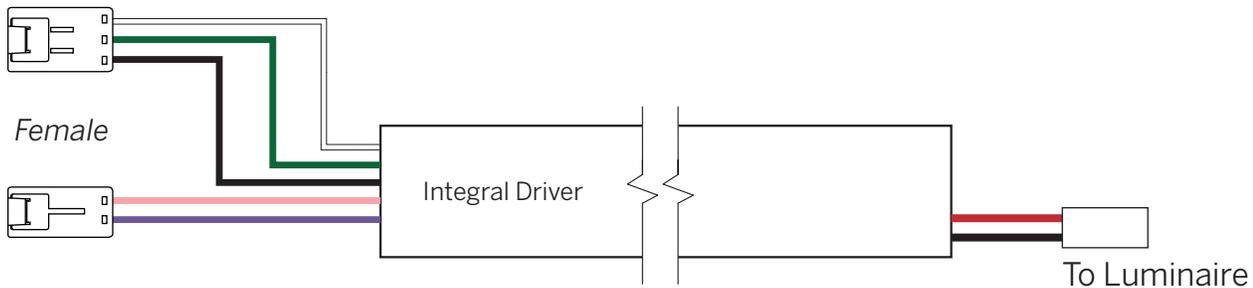
Recessed Grid Trim

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## Step 20 - **Wiring** (continued)

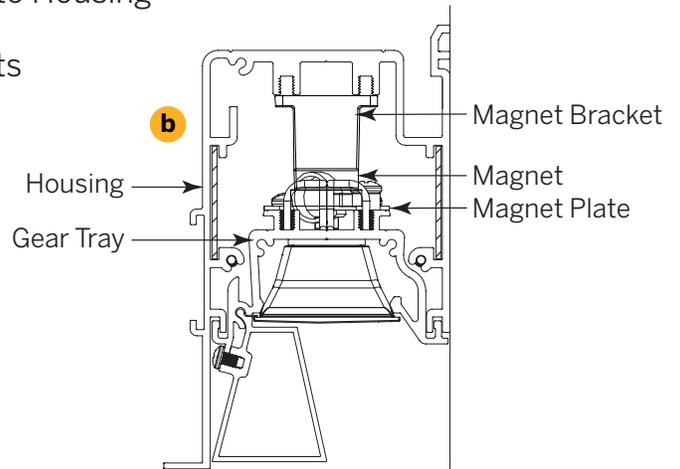
### **Multi Unit Run - End Unit**

The End Unit terminates with one pair of Female Wago™ Luminaire Disconnect Connectors.

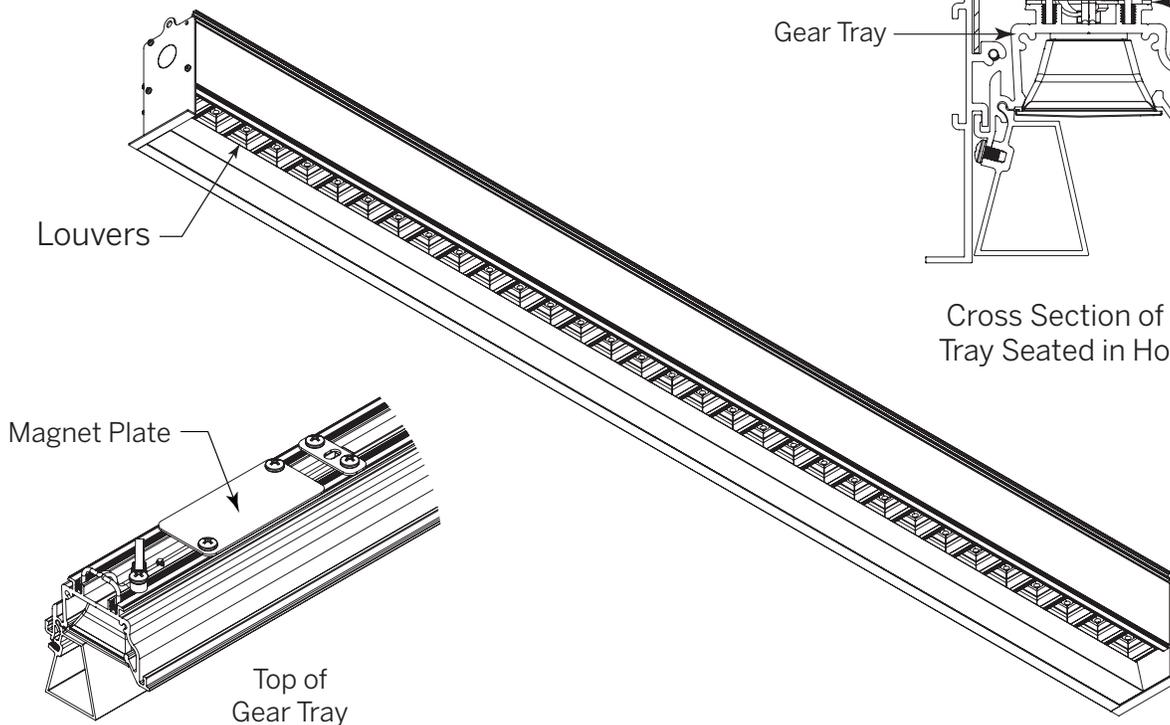


## Step 21 - **Placing Gear Tray in Housing**

- a** Attached to Safety Cables, lift and insert Gear Tray into Housing
- b** Magnet Plates on top of Gear Tray will engage Magnets on Brackets inside of Housing.
- c** Energize!



Cross Section of Gear Tray Seated in Housing

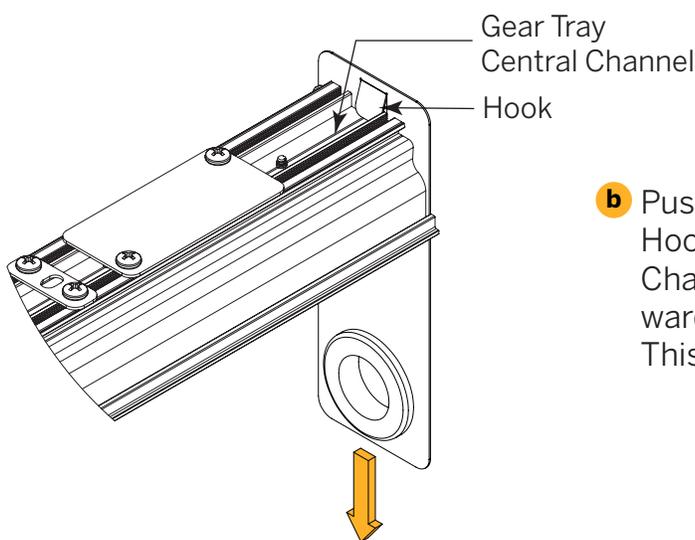
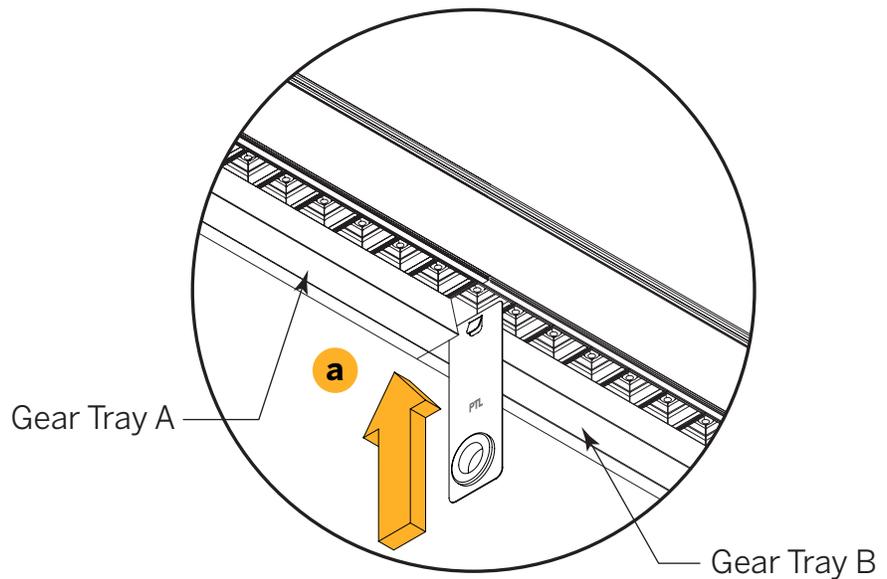
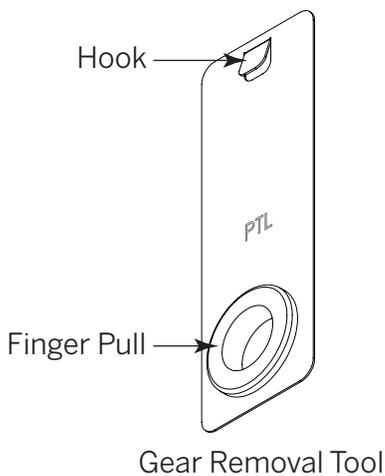


WG-60PTLWG-RGT9/15  
WG-60PTLSG1-RGT9/15  
WG-60PTLSG2-RGT9/15  
WG-60PTLSG3-RGT9/15

## Step 22 - **Removing Gear Tray**

Should there be a need to remove the Gear Tray, a Gear Tray Removal Tool is provided with every order. The following applies to multiple Gear Trays in a single housing and to a series of Gear Trays in a Multi Unit Run. To use:

- a** Carefully insert Removal Tool in between adjacent Gear Trays. Take care not to scratch nearby surfaces.



- b** Push Tool up into Housing Cavity. The Hook will catch the top Central Channel of the Gear Tray. Pull downward while holding other hand beneath. This will dislodge Gear Tray from Magnet.

