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Table of Contents

	<i>page</i>
Chapter 1 Introduction	5
Chapter 2 Connecting to a Quick Check-T	7
Chapter 3 Application Settings	10
Chapter 4 Creating a new Site Inspection	14
Chapter 5 Quick Calibration Check.....	17
Chapter 6 Wire Tension Readings	21
Chapter 7 Viewing Stored Records	32
Chapter 8 Adding Maintenance Items to a Site Inspection Report	36
Chapter 9 Exporting the Site Inspection Report	39

1 Introduction

The Dillon Tower Mobile Application is a program that will interface with the Quick Check-T via Bluetooth™ and will support Data Collection and Reporting for Guyed Cell Tower maintenance.

The Dillon Tower Mobile Application:

- Calculates Target Tensions based on inputted parameters (Attachment Elevation, Guy Radius, Guy Rise or Drop, Wire Type, Wire Size, and Initial Tension percent), location-based temperature readings and American Society for Testing and Materials (ASTM) Breaking Strength Tables
- Stores Pre-Tension “initial” (Pre Tn) and Post Tensioned (Post Tn) records along with Photos, Date & Time, and GPS coordinates
- Captures Maintenance Log with photos and comments
- Exports Full Site PDF report and Excel (CSV file) of the measurements via email
- Connects to Quick Check-T via Bluetooth™
- Available on both Android (Google Play Store) and iOS (Apple App Store)

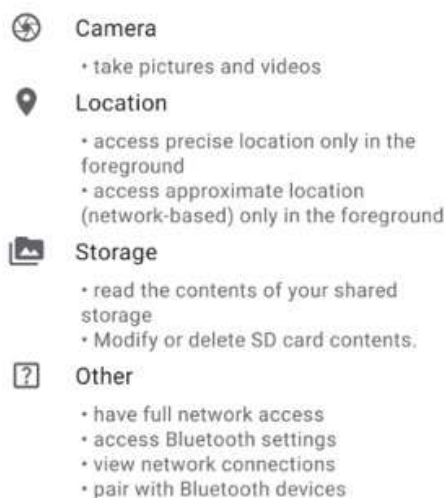
1.1 Dillon Tower App Requirements

iOs:

- Minimum iOS version is 12.1
- iPhone 7 and later have full support
- iPhone 5S through 6S Plus and SE will be able to run the app but may have limitations
- iPad Air 1st gen and later are supported

Android:

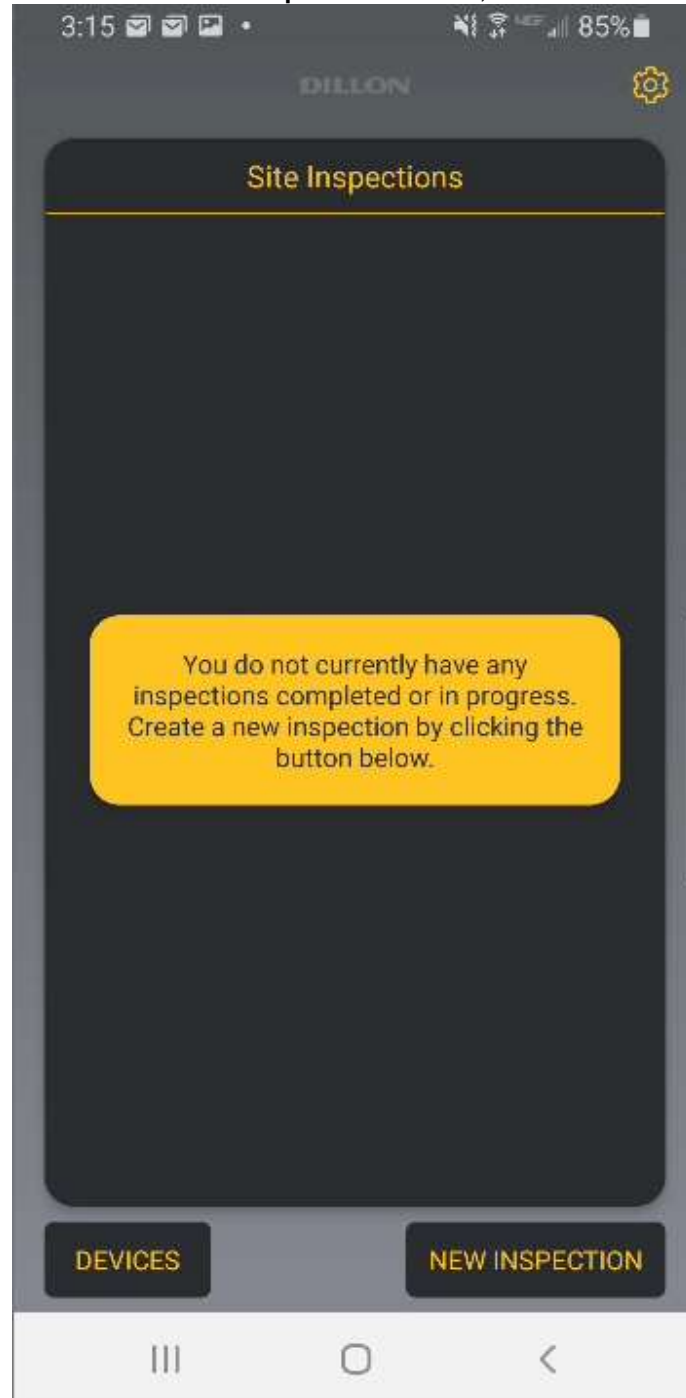
- Minimum Android version is 6.0 (API Level 23 - Marshmallow)



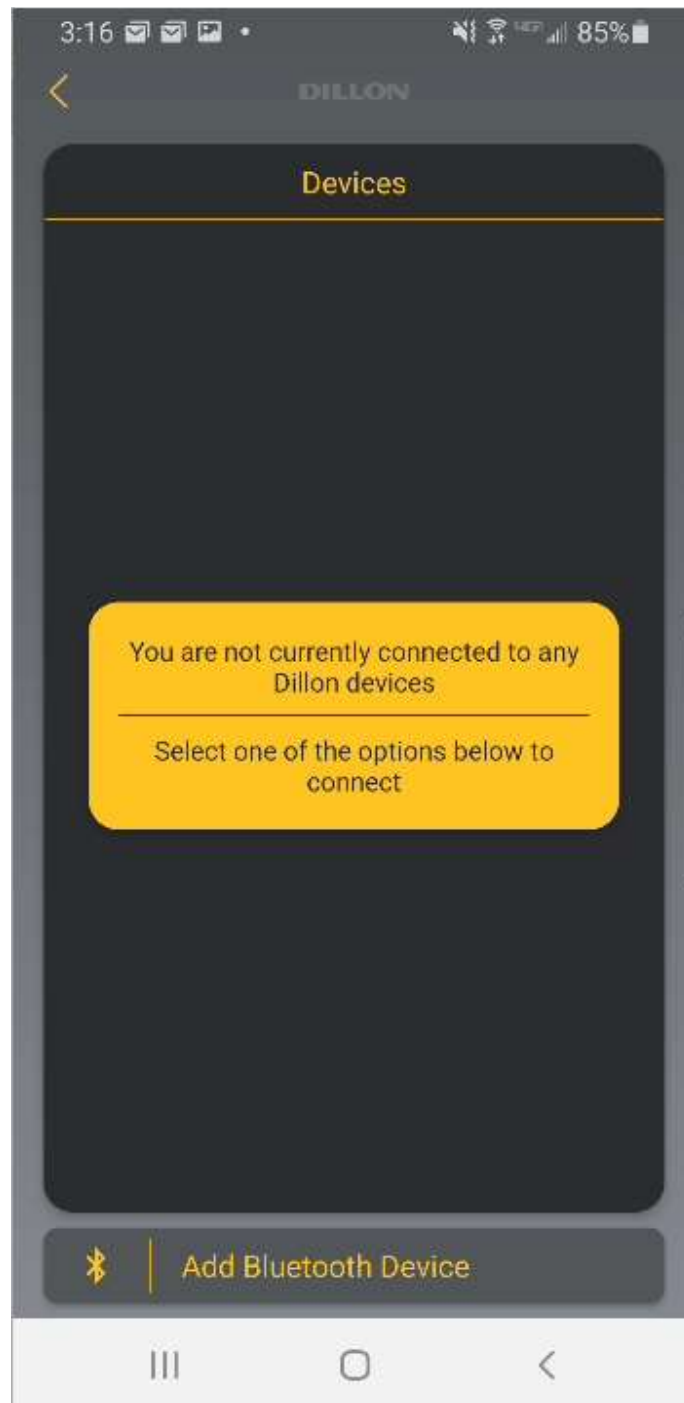
1 *Introduction*

2 Connecting to a Quick Check-T

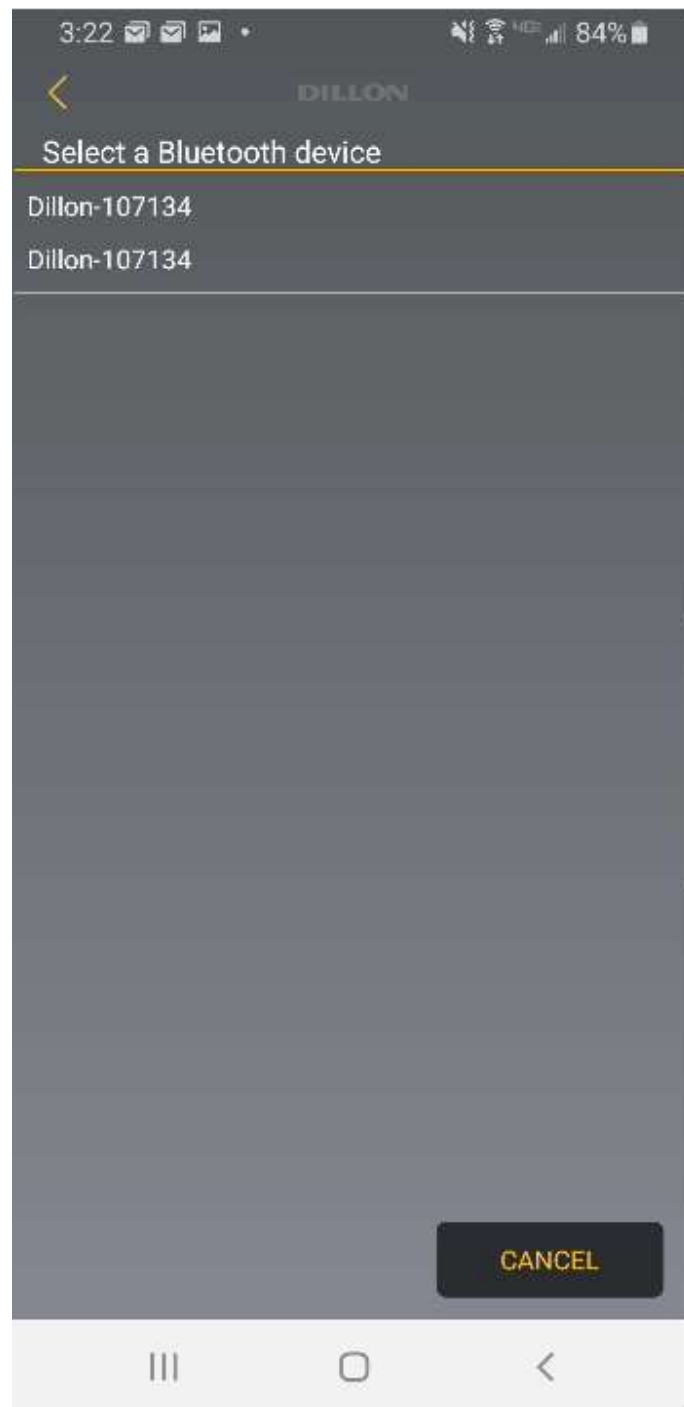
1. Power on the Quick Check-T.
2. Click on the Dillon Tower icon on your Android or iOS mobile device:
3. From the **Site Inspections** screen, click on the **Devices** button.



4. From the **Devices** screen, click on the **Add Bluetooth Device** button if the Quick Check-T is not already listed in the Devices List.

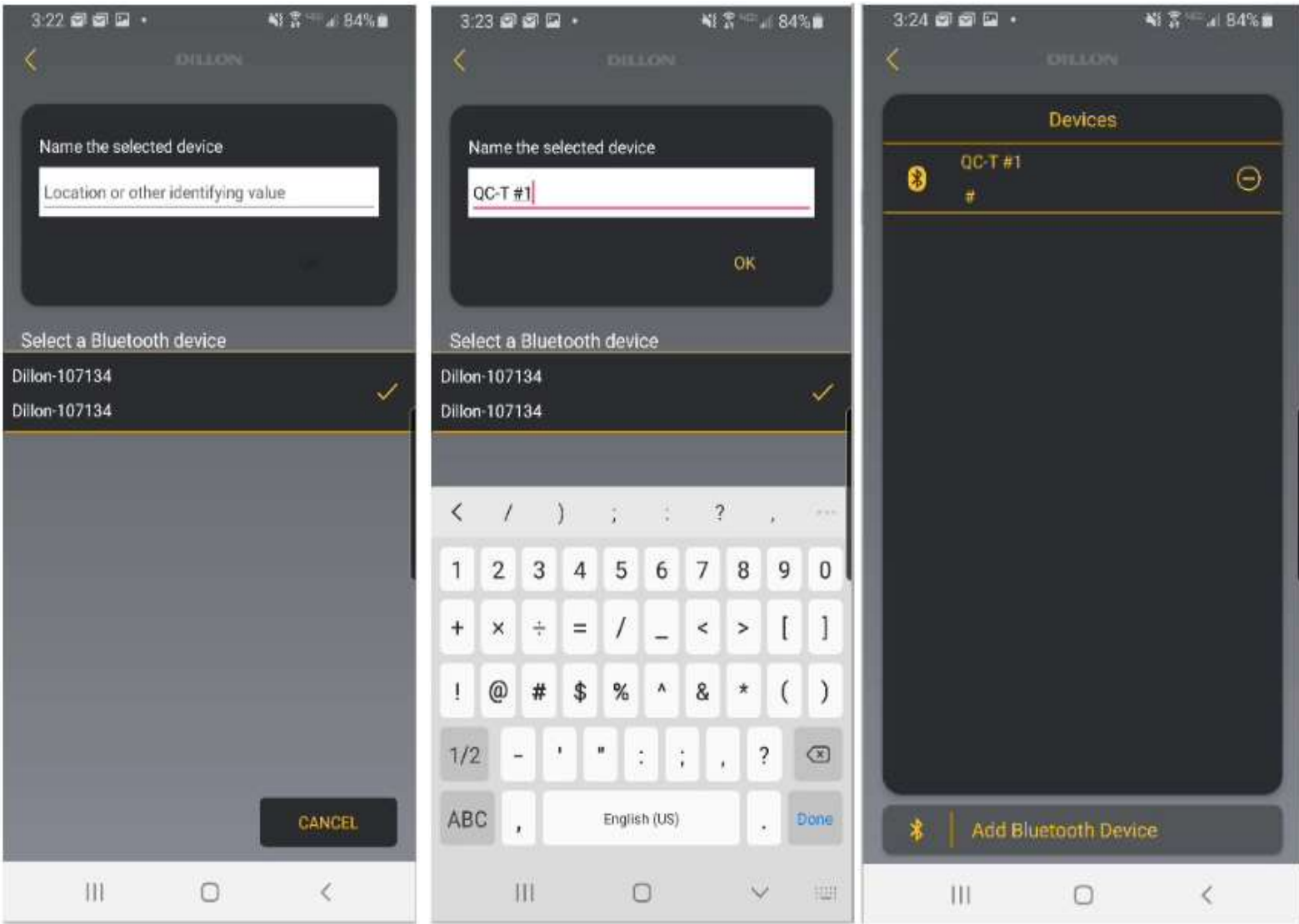


5. The mobile device will now scan for powered on Quick Check-T's in the area and display them in the Devices List.



6. Select the Dillon-Serial Number of the device you want to connect to and **Name the Device**, then press **OK**.

7. Press the back arrow < to go back to the **Site Inspections** screen.

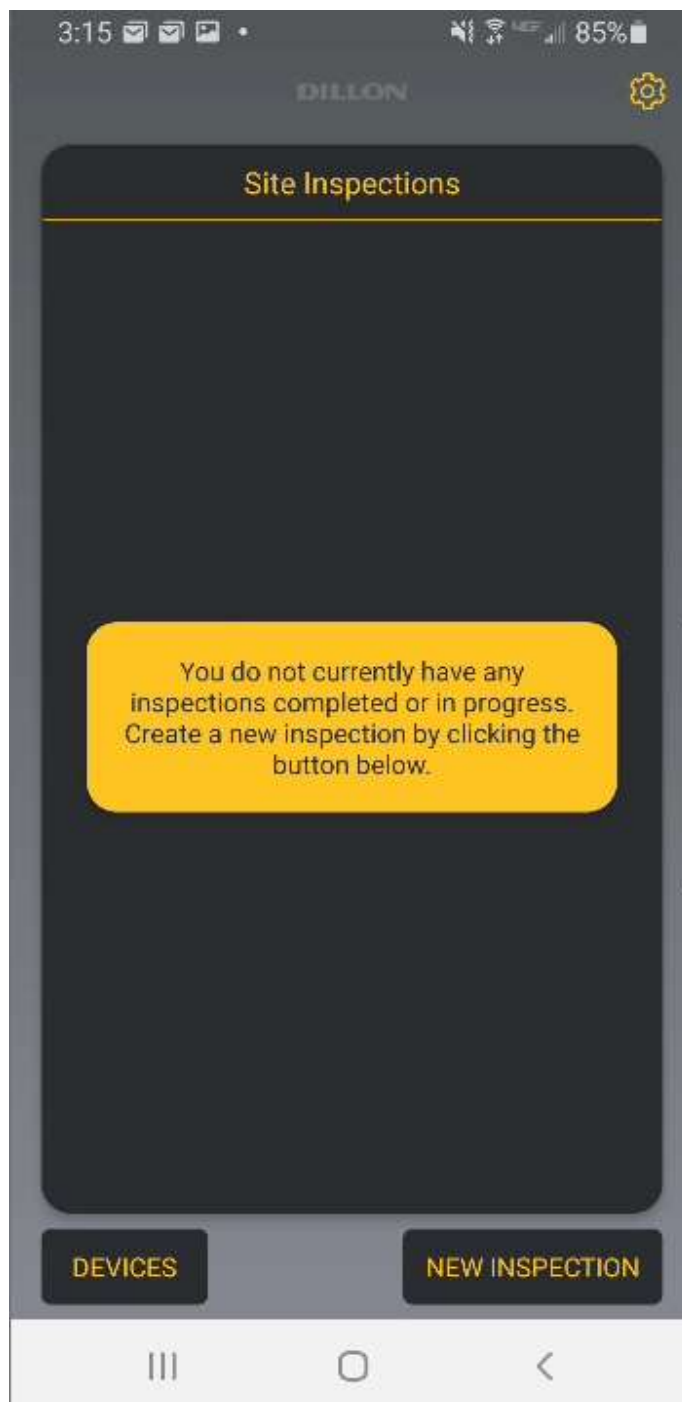


3 Application Settings

1. Click on the Dillon Tower Icon on your Android or iOS mobile Device:



2. From the **Site Inspections** screen, click on the settings **Gear**  button.



3. The Application Settings lets you change the default parameters of the Tower Application.

The image displays two side-by-side screenshots of the 'Application Settings' screen in the Dillon Tower application. The left screenshot shows the settings for Temperature (Fahrenheit), Wind Speed (mph), Length (FT), GPS Readings (Phone), Weather Readings (Use Weather Service), Inspected By (John Doe), and Contractor Name (Dillon Tower Specialists). The right screenshot shows the settings for Use Weather Service, Inspected By (John Doe), Contractor Name (Dillon Tower Specialists), Email, EHS Modulus of Elasticity in ksi (23000), BS Modulus of Elasticity in ksi (24000), Calibration Check Lockout (toggle on), and Demo Mode (toggle off). Both screens have an 'OK' button at the bottom and show the app name 'DILLON' at the top.

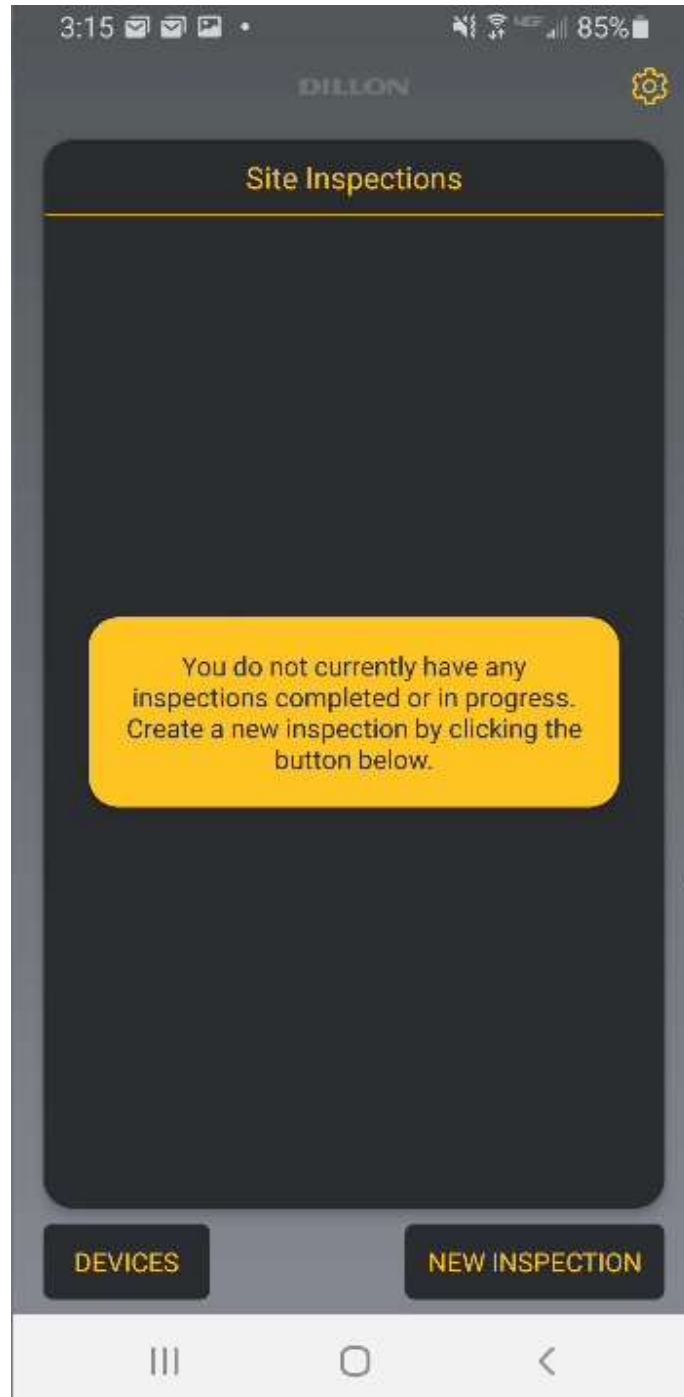
- **Temperature** - Used for Calculating Target Tensions.
 - Fahrenheit (Default)
 - Celsius
- **Wind Speed** - Displayed on Wire Tension Screen and included in the Reports.
 - mph (Default)
 - kph
 - m/s
 - knots
- **Length** - Attachment Elevation, Guy Radius, Guy Drop/ Rise unit of measure.
 - Feet FT (Default)
 - Meters M

- **GPS Readings** - Which device's GPS is used when storing Pre Tn and Post Tn Readings.
 - Phone (Default)
 - Quick Check
 - The GPS feature must be enabled in the Quick Check.
 - **Weather Readings** - Used for Calculating Target Tensions.
 - Use Weather Service (Default)
 - The Tower App uses the OpenWeather API to gather local weather information (Temperature and Windspeed). This does require that the mobile device has a Data connection (WiFi or Cellular) and location services enabled.
 - Key in Manually
 - This allows the end-user to key in Temperature and Windspeed into the Wire Tension screen, so if the mobile device does not have a Data connection on site, they can still progress with the plumb and tensioning of the guy wires.
 - **Inspected by** - This is the end-user's name and will be automatically inserted into each New Site Inspection that is created.
 - **Contractor Name** - This is the name of the company performing the Tower Site Inspection or Maintenance and will be automatically inserted into each New Site Inspection that is created.
 - **Email** - This is the end-user's email and will be used when reports are exported off the phone via email.
 - **EHS Modulus of Elasticity in ksi** - This is used to calculate the Target Tensions on the Wire Tension screen.
 - Default is 23,000, but different values can be entered and used.
 - **BS Modulus of Elasticity in ksi** - This is used to calculate the Target Tensions on the Wire Tension screen.
 - Default is 24,000, but different values can be entered and used.
 - **Calibration Check Lockout On/Off**
 - When enabled, this feature requires the end-user to perform a Calibration Check on the Wire Tensions Screen before Pre Tensioned "Initial" (Pre Tn) and Post Tensioned (Post Tn) readings can be stored.
 - **Demo Mode On/Off**
 - When enabled, a default set of 16 Wire Sizes will be available on the Wire Tension screen, even if they are not part of the current Quick Check-T's calibration. This is intended for Application Demos and not for regular use. (Default is OFF)
4. After making changes, press **OK** to return to the **Site Inspections** screen.

4 Creating a new Site Inspection



1. Click on the Dillon Tower icon on your Android or iOS mobile device:
2. From the **Site Inspections** screen, click on the **New Inspection** button.



3. This brings up a Site information screen where descriptive information can be entered for the Site the end-user is performing an Inspection or Maintenance on.

The image displays two side-by-side screenshots of the 'Site Information' screen in the Dillon Tower app. The left screenshot shows the form with empty input fields for Site ID, Site Name, Site Address, Inspection Date (pre-filled with 4/6/2021), Contractor Name (pre-filled with Dillon Tower Specialists), and Inspected By (pre-filled with John Doe). The right screenshot shows the same form with Site ID filled as 'Dillon-123456' and Site Name filled as 'Dillon Test Site'. A keyboard is visible at the bottom of the right screenshot, indicating the Site Name field is active.

- **Site ID** - This is a required field as the Records and Report reference this ID.
- **Site Name** - This is a required field as the Records and Report reference this Name.
- **Site Address** - optional Address of the Site.
- **Inspection Date** - Pre-populated with the Date and Site information, if entered.
- **Contractor Name** - This is the name of the company performing the Tower Site Inspection or Maintenance. This is pre-populated if entered on the Application Settings screen.
- **Inspected by** - This is the end-user's name. This is pre-populated if entered on the Application Settings screen.
- **GPS Latitude & Longitude** - These are the manually entered GPS coordinates of the Tower, if known.

- **Tower Manufacturer Name** - enter if known.
- **Tower Type** - enter if known.
- **Tower Structure Height** - enter if known.
- **Face Width** - This is the face width of the Tower, enter if known.
- **Site Photo** - This feature allows the user to add a single photo of the Tower Site sign located at the site.
 - **Camera** - this button pulls up the mobile device's camera application.
 - **Photo Gallery** - this button pulls up the mobile device's photo gallery to search for a photo that has already been taken.
 - **Delete Photo** - this removes the current Site Photo so another can be taken in its place.

Example of Site Information:

The image displays three sequential screenshots of a mobile application interface for 'Dillon'. Each screen has a yellow hamburger menu icon in the top-left corner and a status bar at the top showing the time (3:30, 3:31, 3:33) and battery level (83%).

Screen 1: Site Information

- Site ID:** Dillon-123456
- Site Name:** Dillon Test Site
- Site Address:** 1000 Armstrong Dr, Fairmont, MN 56031
- Inspection Date:** 4/6/2021
- Contractor Name:** Dillon Tower Specialists
- Inspected By:** John Doe
- Tower Specifications** (Section Header)
- GPS Latitude:** (Input field)

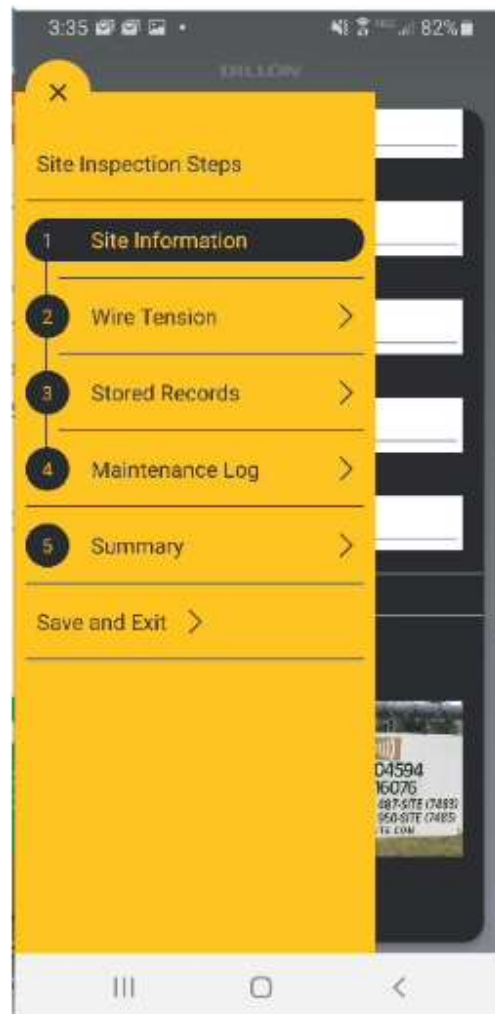
Screen 2: Tower Specifications

- Inspected By:** John Doe
- Tower Specifications** (Section Header)
- GPS Latitude:** 43.6522
- GPS Longitude:** -94.4611
- Tower Manufacturer Name:** ABC Inc.
- Tower Type:** 25 Series Guyed
- Tower Structure Height:** 450 ft
- Face Width:** 3,145 ft
- Site Photo** (Section Header)

Screen 3: Site Photo

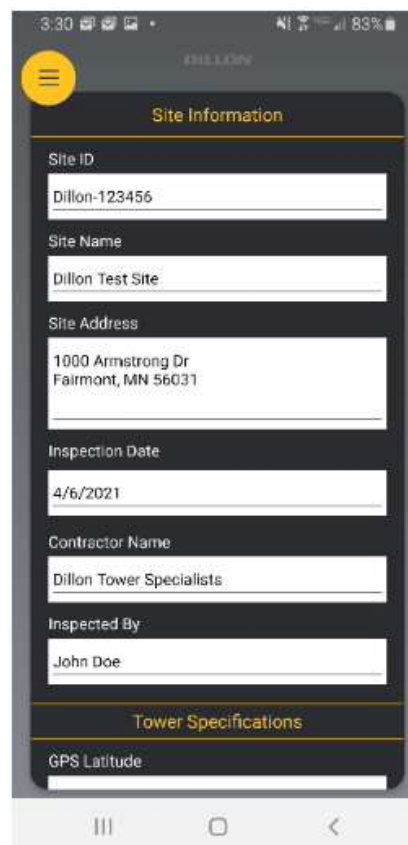
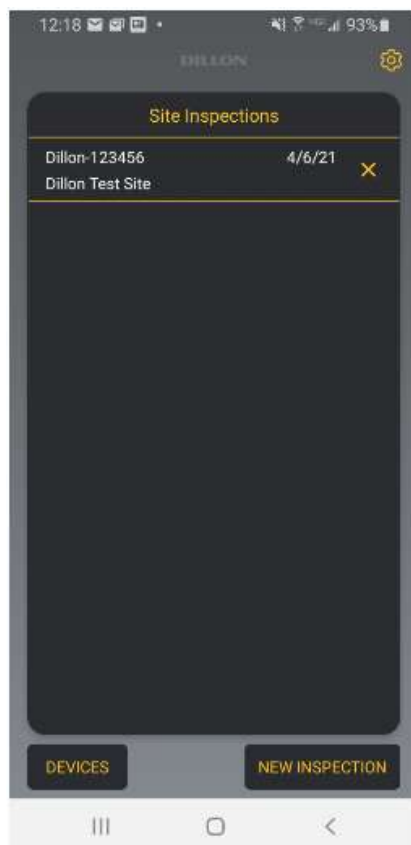
- GPS Longitude:** -94.4611
- Tower Manufacturer Name:** ABC Inc.
- Tower Type:** 25 Series Guyed
- Tower Structure Height:** 450 ft
- Face Width:** 3,145 ft
- Site Photo** (Section Header)
- CAMERA** (Button)
- PHOTO GALLERY** (Button)
- DELETE PHOTO** (Button)
- Site Photo:** A photograph of a tower site sign with the following text:
 - SITE ID#: M504594
 - FCC#: 1216076
 - LEASING: (800) 487-SITE (74837)
 - EMERGENCY: (888) 950-SITE (74831)

4. Press the **yellow** menu button  , then press **Save & Exit**.



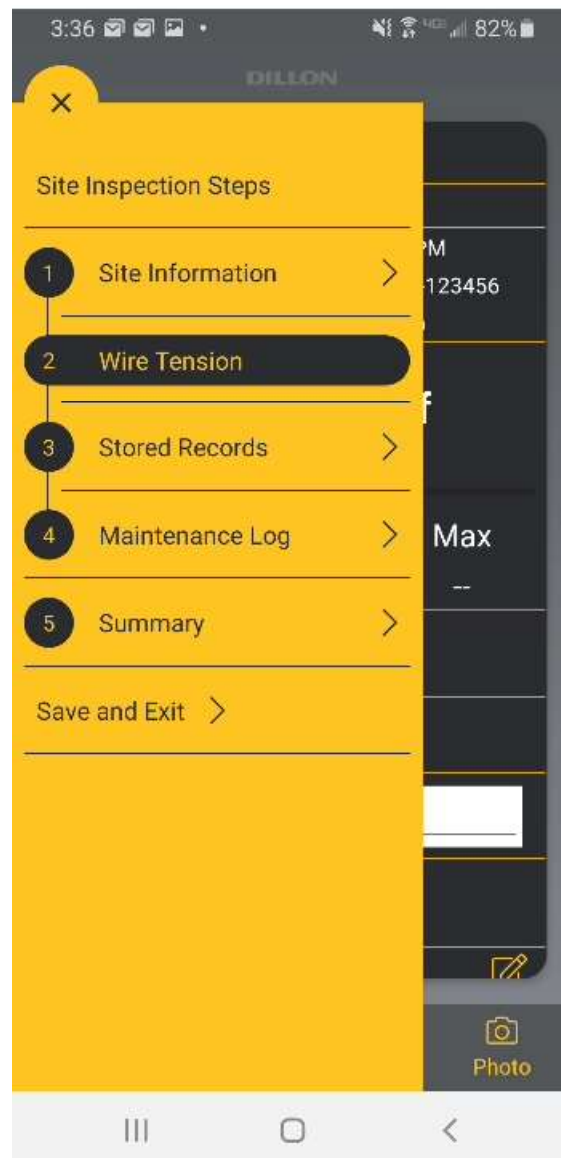
5 Quick Calibration Check

1. Click on the Dillon Tower Icon on your Android or iOS mobile device:
2. From the **Site Inspections** screen, select the Inspection you would like to add wire tension readings to.



5 Quick Calibration Check

3. Press the **yellow** menu button  , then press **Wire Tension**.



At this time, the mobile device will attempt to wirelessly connect to the Quick Check-T selected in the **Devices** screen. If unsuccessful, ensure the Quick Check-T is powered on and visible in the **Devices**.

4. Once connected, the Quick Check-T Device information (Capacity, Serial Number, and Calibration Due Date) will be visible at the top of the screen. The live Tension reading will also be visible.

5. The Check Calibration button at the bottom of the Wire Tension screen enables the user to check the Quick Check-T to ensure it is within calibration. When the user presses the **Check Calibration** button, the user is prompted to insert the Calibration Check Rod that was calibrated with the Quick Check-T.

3:40 82%

DILLON

Wire Tension

Device Name - Quick Check-T

Capacity: 10000 lbf 4/6/21 3:39 PM

SN: 107134 Site ID: Dillon-123456

Cal Due: 4/10/2022 Cal Check: No

0 lbf

Target Min Max

-- -- --

Select Wire

Sheave Position:

Anchor Guy Level

PRE TENSION

Temp Wind

Zero Units Screenshot Photo

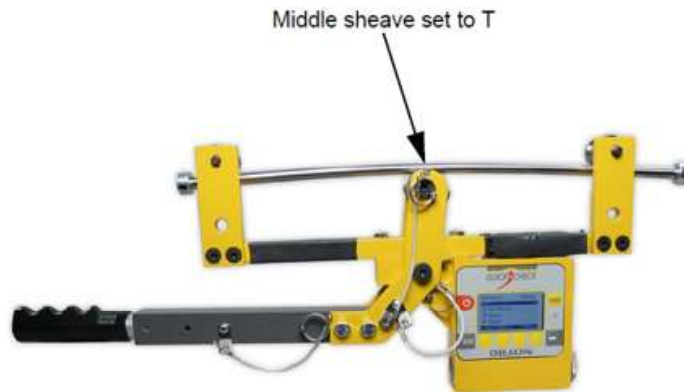


CAUTION!

Before using the calibration check rod, verify that the middle sheave of the Quick Check-T is in the "T" position. Using the calibration check rod with the middle sheave in any other position will result in damage to the rod, requiring both the rod and Quick Check-T to be sent in for recalibration.

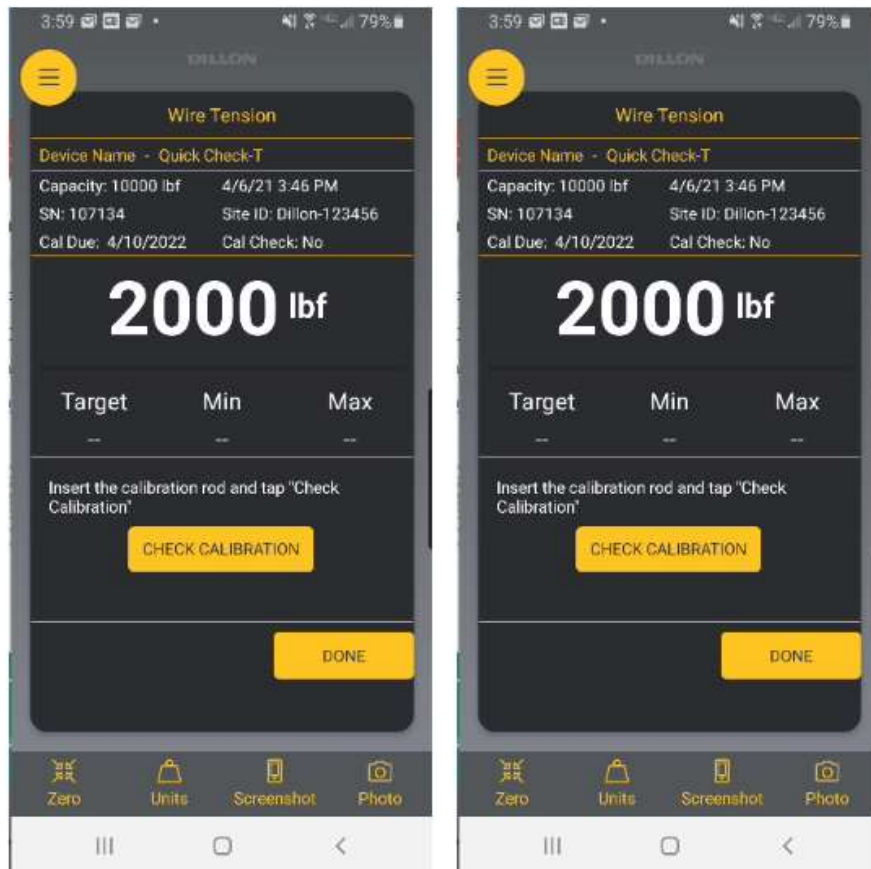
5 Quick Calibration Check

The calibration check rod included with the Quick Check-T is intended to verify the tension meter is within calibration. Each calibration check rod is stamped with a serial number and the Quick Check-T will have a calibration associated with that serial number.



6. Clamp the Quick Check-T onto the calibration rod. Be sure the rod is riding in the center groove of all three sheaves, as shown above.
The tension displayed should be 2000 lbs $\pm$ 80 lbs at 70 degrees Fahrenheit (approximately 21 degrees Celsius) to be considered within tolerance.

7. Press the **Check Calibration** button on the Tower App to store the Cal Check reading. If the reading is within tolerance, **Cal Check: Yes** will be displayed at the top of the screen and will be exported in the report summary.



The Tower App accepts calibration Check Rod Tension readings between 2000 lbs $\pm$ 80 lbs to take into consideration temperature variations while on site. It is recommended to send in the Quick Check-T and Cal Rod for calibration every 12 months or as indicated by the Calibration Due Date on the Quick Check.

8. Press **Done** to return to the **Wire Tension** screen.

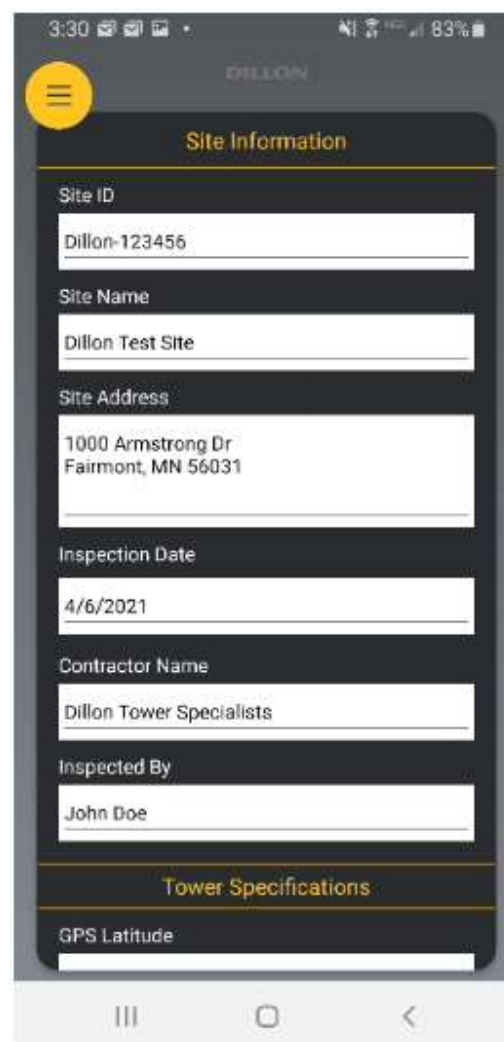
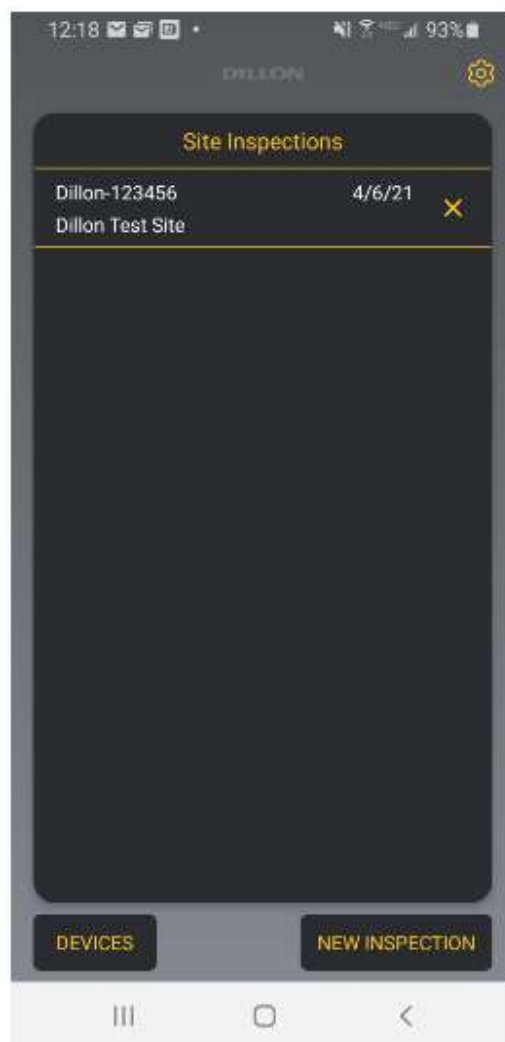


The Check Calibration process changes the selected Wire to the Cal Rod on the Quick Check-T. Before using the Quick Check, ensure the proper wire size is selected on the Wire Tension screen.

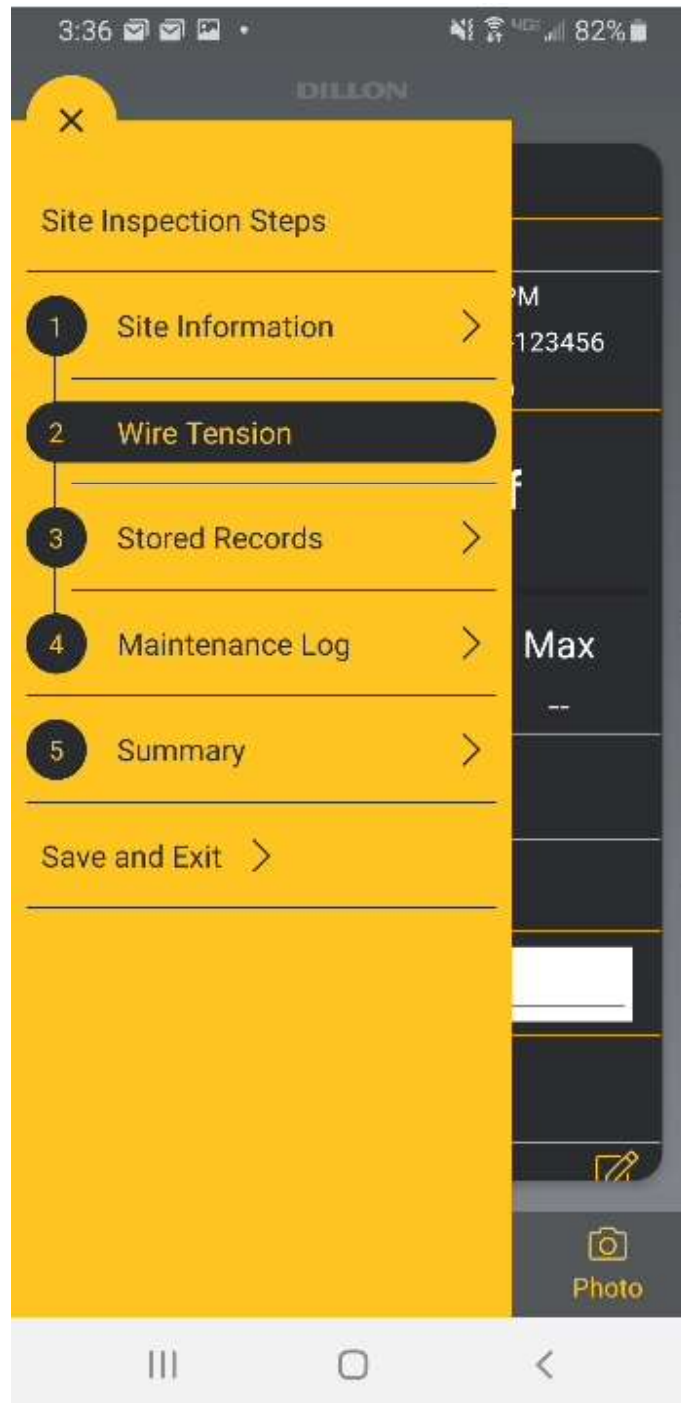
5 Quick Calibration Check

6 Wire Tension Readings

1. Click on the Dillon Tower icon on your Android or iOS mobile device:
2. From the **Site Inspections** screen, select the Inspection you would like to add wire tension readings to.



3. Press the **yellow** menu button  , then press **Wire Tension**.



At this time, the mobile device will attempt to wirelessly connect to the Quick Check-T selected in the Devices screen. If unsuccessful, ensure the Quick Check-T is powered on and visible in the **Devices** menu.

4. Once connected, the Quick Check-T Device information (Capacity, Serial Number, and Calibration Due Date) will be visible at the top of the screen. The live Tension reading will also be visible.

The screenshot displays the 'Wire Tension' screen of the Dillon Tower Quick Check-T app. At the top, the status bar shows the time as 3:40, signal strength, and 82% battery. The app header includes a yellow menu icon and the 'DILLON' brand name. The main section is titled 'Wire Tension' and contains a table of device information: Device Name (Quick Check-T), Capacity (10000 lbf), SN (107134), Cal Due (4/10/2022), and a timestamp (4/6/21 3:39 PM). Below this, a large digital display shows '0 lbf'. Further down, there are three input fields for 'Target', 'Min', and 'Max' tension, each currently blank. A 'Select Wire' dropdown menu is also present. The 'Sheave Position' section includes 'Anchor' and 'Guy Level' input fields. A prominent yellow 'PRE TENSION' button is located below these fields. At the bottom of the main section, there are 'Temp' and 'Wind' indicators. The bottom navigation bar features four icons: 'Zero', 'Units', 'Screenshot', and 'Photo'. The very bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.

Device Name - Quick Check-T	
Capacity: 10000 lbf	4/6/21 3:39 PM
SN: 107134	Site ID: Dillon-123456
Cal Due: 4/10/2022	Cal Check: No

0 lbf

Target	Min	Max
--	--	--

Select Wire

Sheave Position:

Anchor	Guy Level

PRE TENSION

Temp Wind

Zero Units Screenshot Photo

5. The Target, Min & Max Tensions will be blank. Once the Tower and Guy Wire measurements are entered, these will be calculated.

6. Press the white box next to **Select Wire** to choose the Wire Size selection. This list is comprised of all the Wire calibrations in the current connected Quick Check-T.

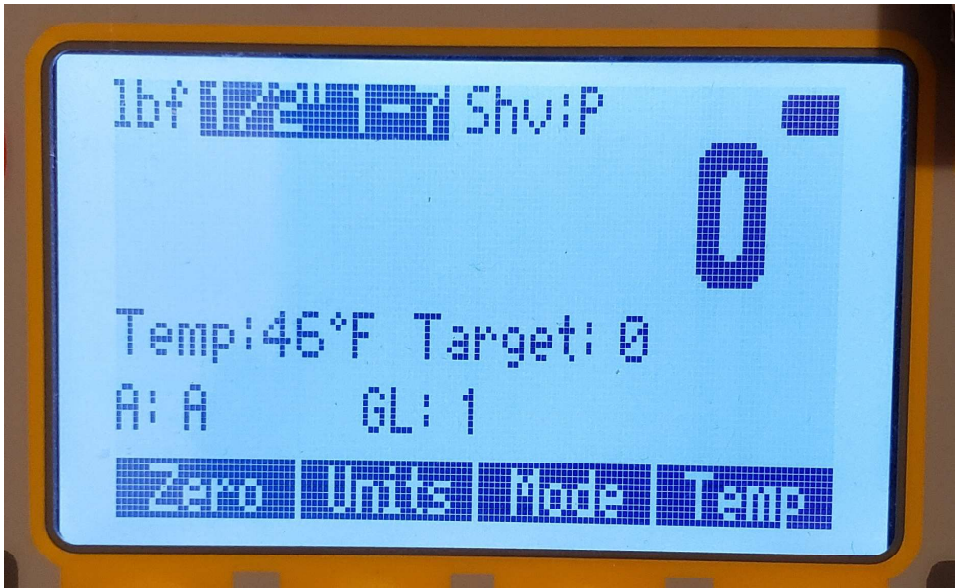


- Once you select a wire, it will now be visible on the Wire Tension screen and will be selected on the Quick Check-T. The Colored Box next to the Wire Size indicates the paint color of the overwrap on the guy wire cable (Blue in the 1/2" cable example below).

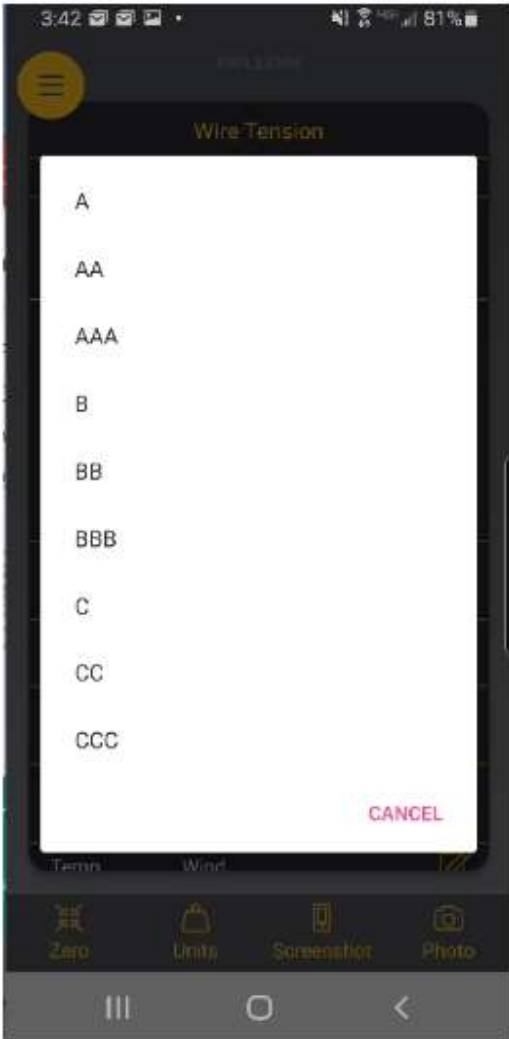


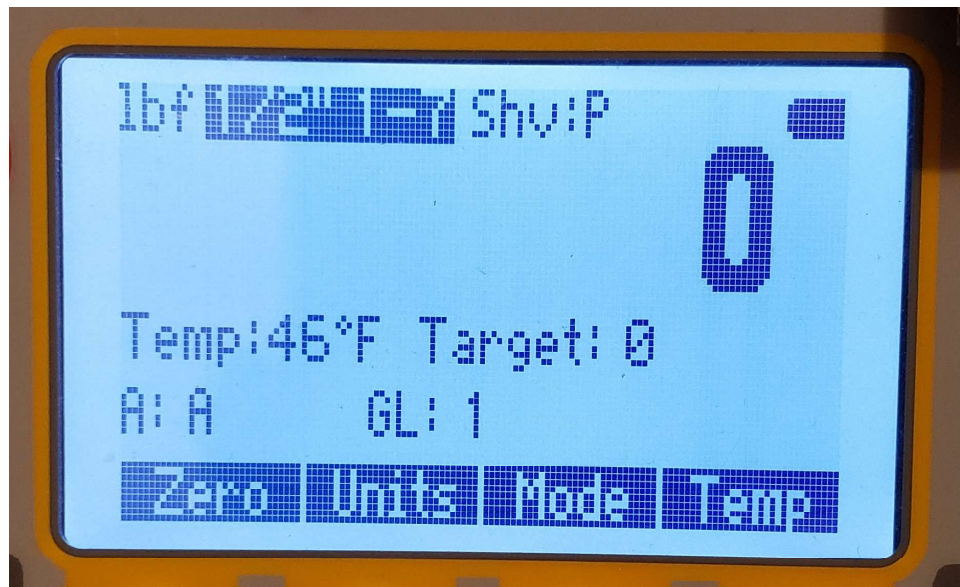
When connected to Tower Application, the mobile device is considered the master. If the Wire selection is changed on the Quick Check-T, the mobile device will set it back to the size selected in the application automatically within a few seconds.

The screenshot shows the 'Wire Tension' screen of the Dillon Tower Quick application. At the top, the status bar shows the time 3:41 and battery level 81%. The app header 'DILLON' is visible. Below the title, a yellow menu icon is on the left. The screen displays device information: 'Device Name - Quick Check-T', 'Capacity: 10000 lbf', '4/6/21 3:39 PM', 'SN: 107134', 'Site ID: Dillon-123456', 'Cal Due: 4/10/2022', and 'Cal Check: No'. A large digital display shows '0 lbf'. Below this are three buttons labeled 'Target', 'Min', and 'Max'. The 'Select Wire' section shows '1/2" 1-7' with a blue box next to it. The 'Sheave Position' is set to 'P'. There are input fields for 'Anchor' and 'Guy Level'. A yellow 'PRE TENSION' button is prominent. At the bottom, there are icons for 'Zero', 'Units', 'Screenshot', and 'Photo'. The bottom of the screen shows the Android navigation bar.

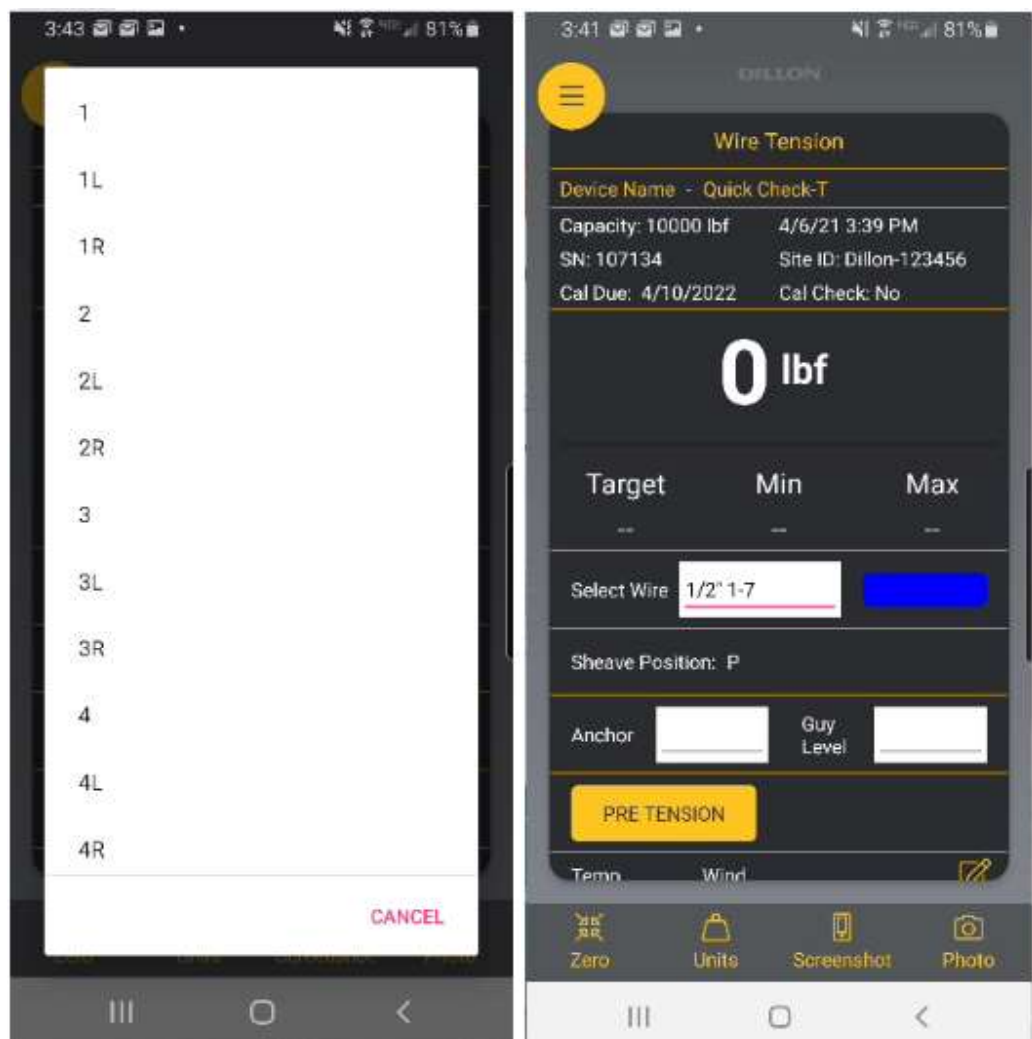


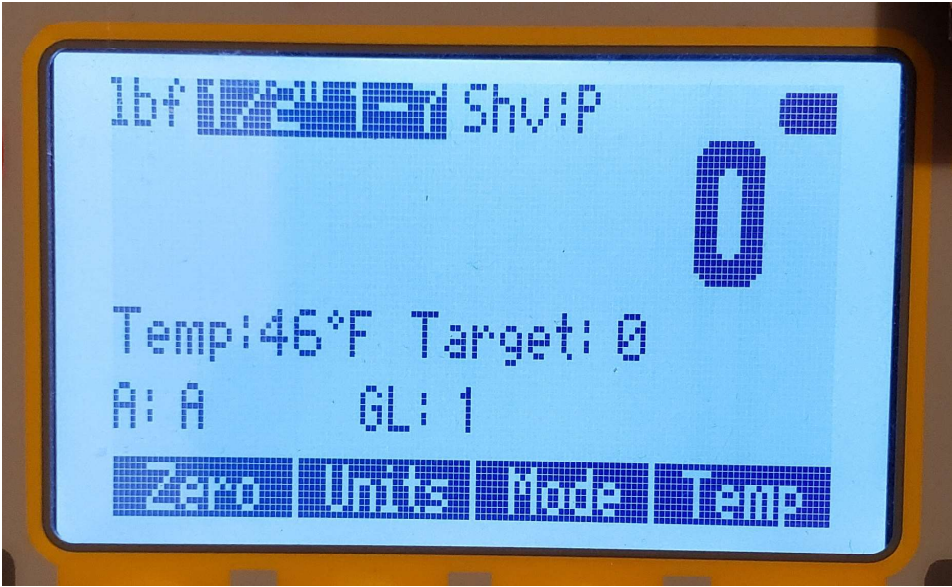
8. Press the white box next to **Anchor** to choose the Anchor selection. The selected Anchor will show up on the Wire Tension screen as well as the Quick Check-T's screen.





9. Press the white box next to **Guy Level** to choose the Guy Level (Wire) selection. The selected Guy Level will show up on the Wire Tension and the Quick Check-T's screens.





It is important to have an Anchor & Guy Level selected, as the Pre Tension and Post Tension readings are stored with reference to the chosen selections.

10. Enter in the Tower Measurements (Attachment Elevation, Guy Radius, Guy Drop/Rise) by pressing the white boxes next to the labels.

3:45 81%

Anchor A Guy Level 1

PRE TENSION

Temp 73.38 °F Wind 4.61 mph ESE

Attachment Elevation ft

Guy Radius ft

Guy Drop/Rise 0 ft

Wire Type EHS

Initial Tension (%) 10 %

GPS Latitude Longitude

CHECK CALIBRATION

Zero Units Screenshot Photo

3:46 81%

Anchor A Guy Level 1

PRE TENSION

Temp 73.38 °F Wind 4.61 mph ESE

Attachment Elevation 150 ft

Guy Radius ft

Guy Drop/Rise 0 ft

Wire Type EHS

1 2 3 4 5 6 7 8 9 0

Done

3:47 81%

Anchor A Guy Level 1

PRE TENSION

Temp 73.38 °F Wind 4.61 mph ESE

Attachment Elevation 150 ft

Guy Radius 650 ft

Guy Drop/Rise 0 ft

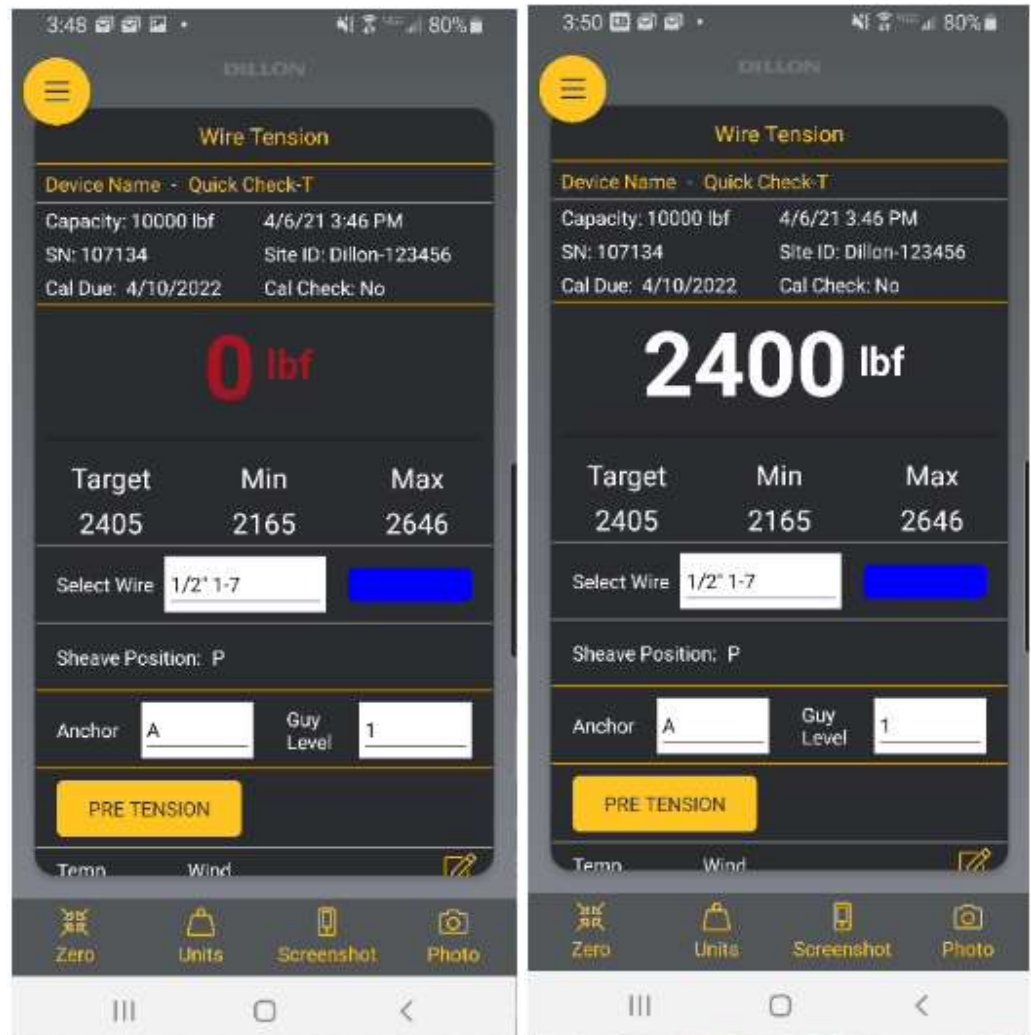
Wire Type EHS

1 2 3 4 5 6 7 8 9 0

Done

- At this time, you can also change the Wire Type from Extra High Strength (EHS) to Bridge Strand (BS) and set the Initial Tension%.
 - Guy Drop/Rise:** Default is 0
 - Wire Type:** Default is EHS
 - Initial Tension%:** Default is 10%

11. Once the Tower Measurements are entered, the Target, Min, and Max Tensions are calculated and displayed under the live tension reading. The Red Live Tension reading indicates the Tension is outside the Min/Max values of the Target tension. Once the Wire is within the Min/Max values, the Tension reading will be white.



12. The Temperature and Wind Speed are displayed on the Wire Tension screen and used to calculate the Target/Min/Max tension. By pressing the **Edit** icon, you can change whether the Temperature and Wind Speed are **Keyed in Manually** or updated automatically from the **Weather Service**.
 - **Weather Service** (Default)
 - The Tower App uses the OpenWeather API to gather local weather information (Temperature and Wind Speed). This does require that the mobile device has a data connection (WiFi or Cellular) and location services enabled.

- **Key in Manually**
 - This allows the end-user to key in Temperature and Wind Speed into the Wire Tension screen.

The image displays three sequential screenshots of the 'DILLON' app interface, specifically the 'Weather Reading' screen. The first screenshot shows the 'Key In Manually' tab selected, with fields for Temperature (73.38 °F), Wind Speed (4.61 mph), and Wind Direction (ESE). The second screenshot shows the 'Use Weather Service' tab selected, with the same fields populated. The third screenshot shows the 'Key In Manually' tab selected again, with the same fields populated. The bottom of the screen features a navigation bar with icons for Zero, Units, Screenshot, and Photo, and a bottom status bar with a back arrow and a home button.

Wire Tension Screen (Left Screenshot):

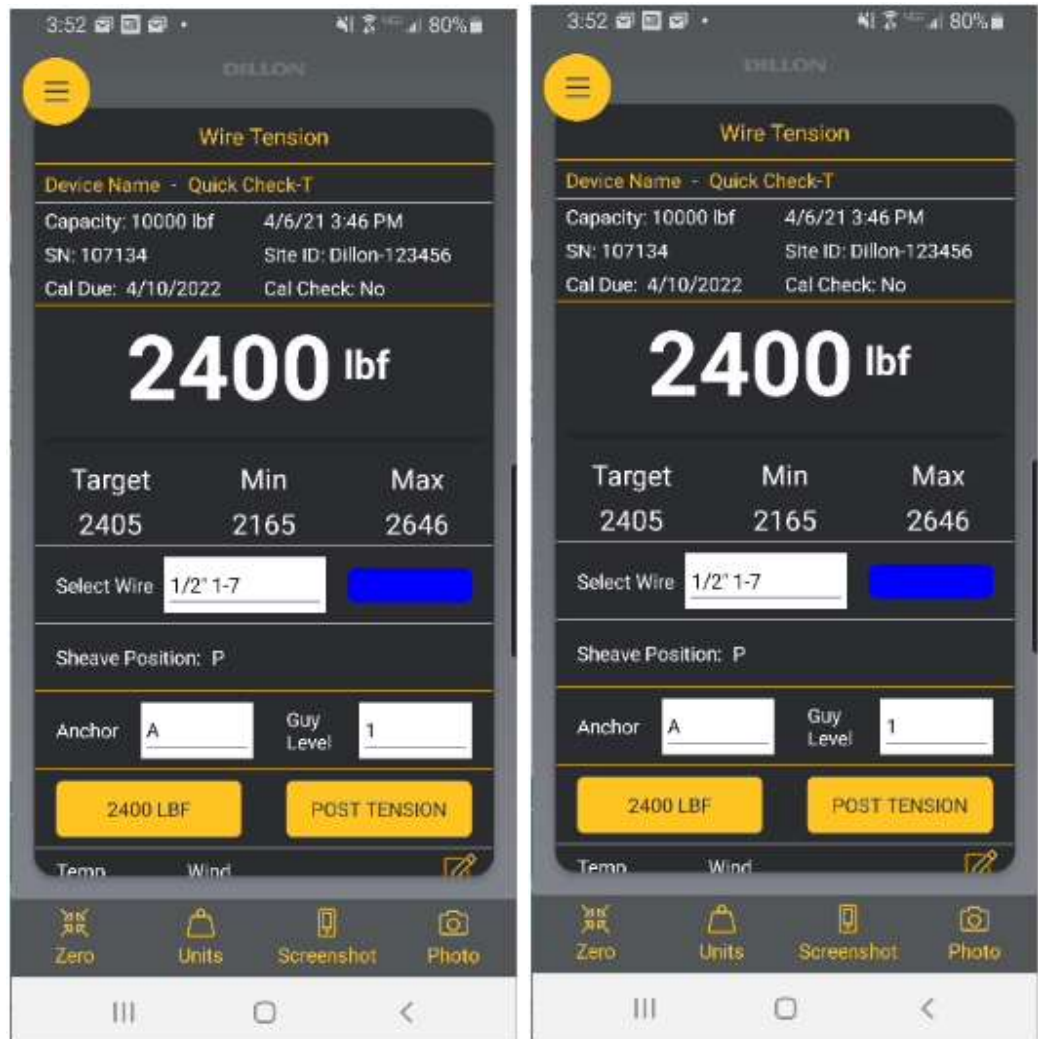
- Anchor: A
- Guy Level: 1
- PRE TENSION
- Temp: 73.38 °F
- Wind: 4.61 mph ESE
- Attachment Elevation: 150 ft
- Guy Radius: 650 ft
- Guy Drop/Rise: 0 ft
- Wire Type: EHS
- Initial Tension (%): 10
- GPS: Latitude, Longitude
- CHECK CALIBRATION

Weather Reading Screen (Middle and Right Screenshots):

- Key In Manually (Selected)
- Use Weather Service
- Temperature: 73.38 °F
- Wind Speed: 4.61 mph
- Wind Direction: ESE
- Current GPS Reading
- Latitude: 44.112798
- Longitude: -94.234159
- Currently Set as Default Source
- CANCEL
- OK

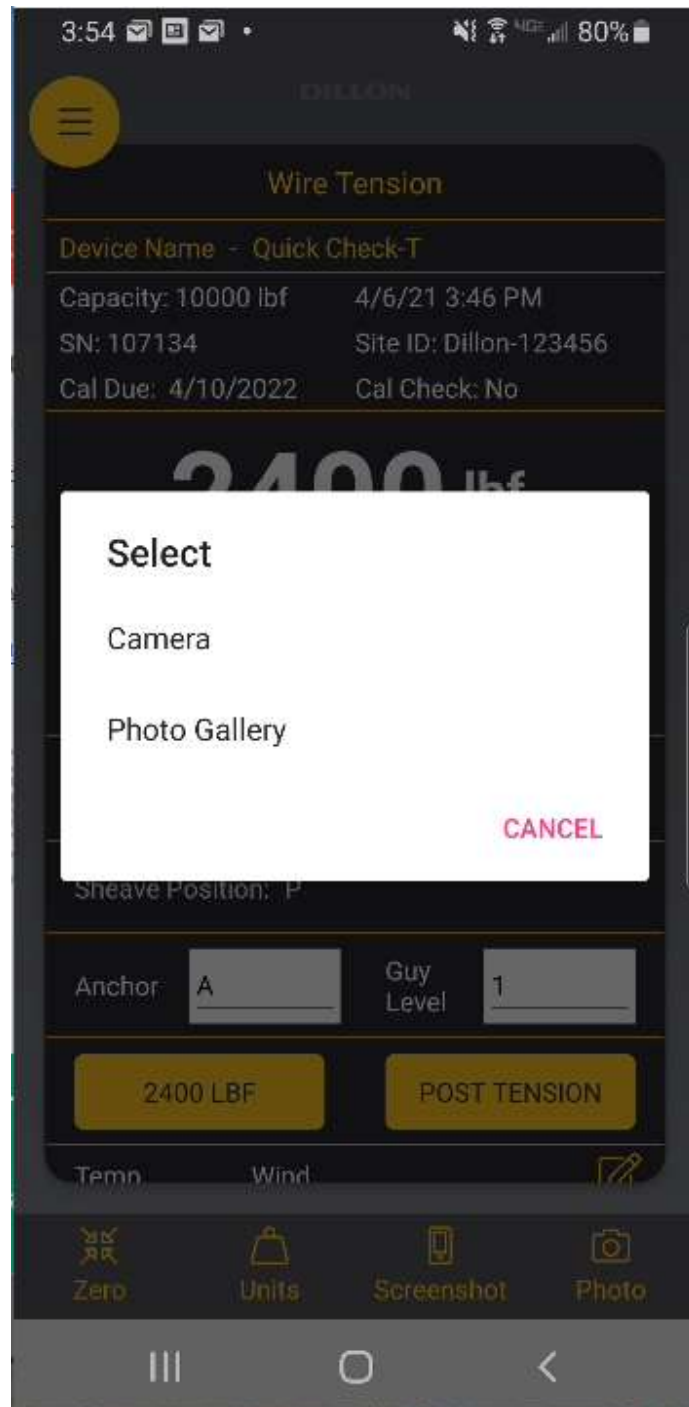
13. Press the **OK** button when finished to return to the Wire Tension screen.

14. Pressing the **Pre Tension** button will store the initial Guy Wire Tension reading to the Anchor and Guy Level selection made. The value of the Pre Tension reading will show where the Pre Tension button used to me.

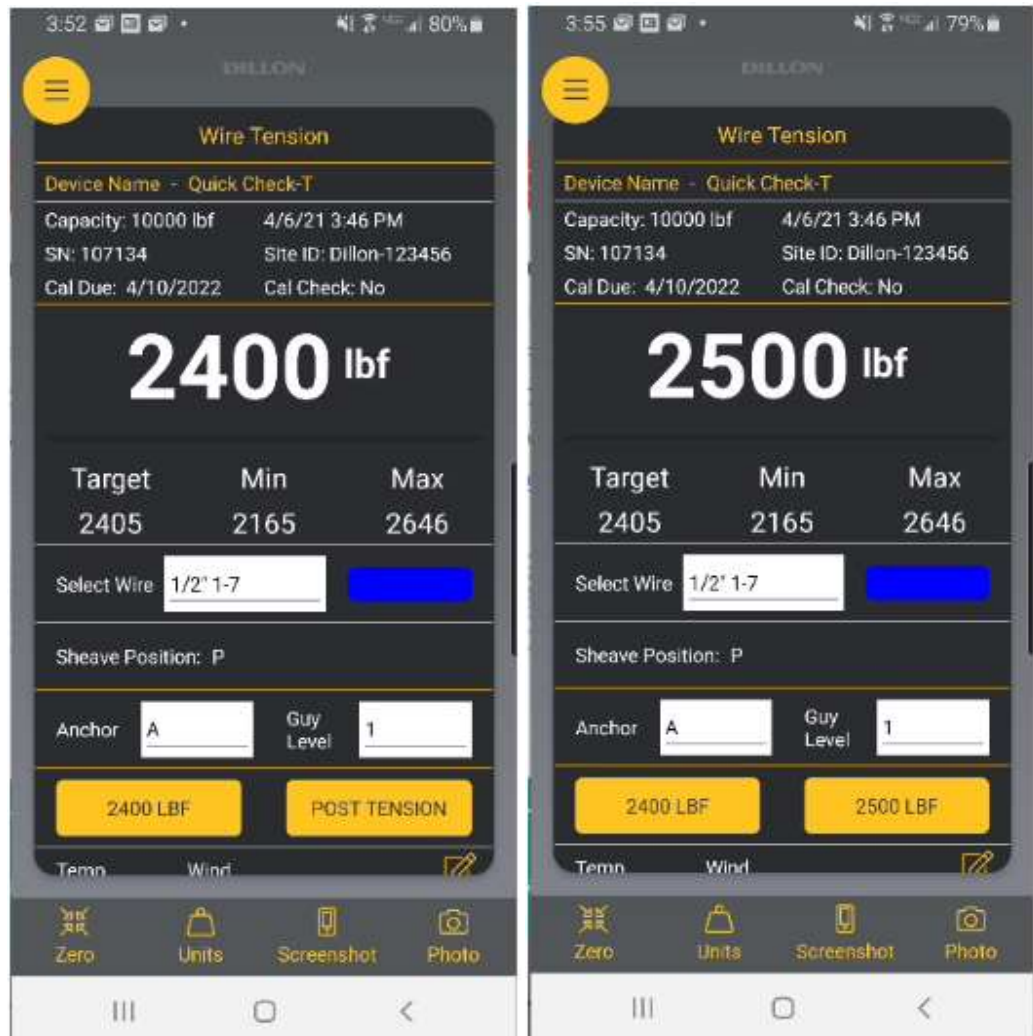


15. After a Pre Tension Reading has been stored, Screenshots and/or Photos can be attached to an Anchor & Guy Level record.
 - Pressing the **Screenshot** button at the bottom of the Wire Tension screen will store the current screen to the record. Multiple screenshots can be stored for each record.

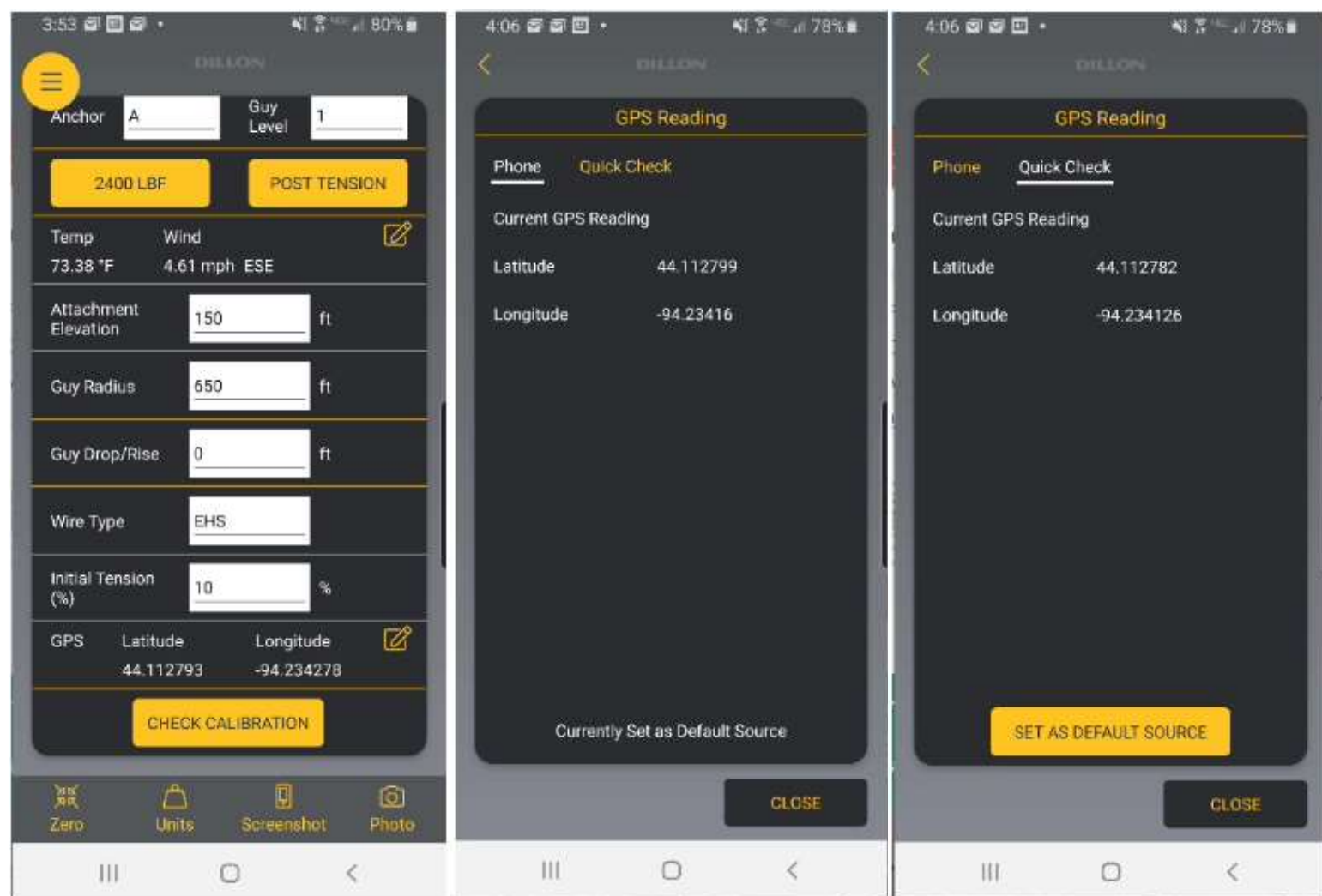
- Pressing the **Photo** button brings up a screen to select either **Camera** or **Photo Gallery** for the source of the photo.



16. After the Guy Wire has been tensioned to target, the **Post Tension** button can be pressed to store the final tension to the Anchor and Guy Level selected. The value of the Post Tension reading will show where the Post Tension button used to be.



17. Additional Screenshots or Photos can be stored to this record as well by pressing the **Screenshot** or **Photo** buttons.
18. Once a Pre Tension reading has been stored, the GPS coordinates will be visible on the Wire Tension screen for that Anchor and Guy Level selection. By pressing the **Edit** icon, the user can change whether the GPS readings are from the mobile device or the built in GPS in the Quick Check-T.



19. Once selected, press **Close** to return to the Wire Tension screen.

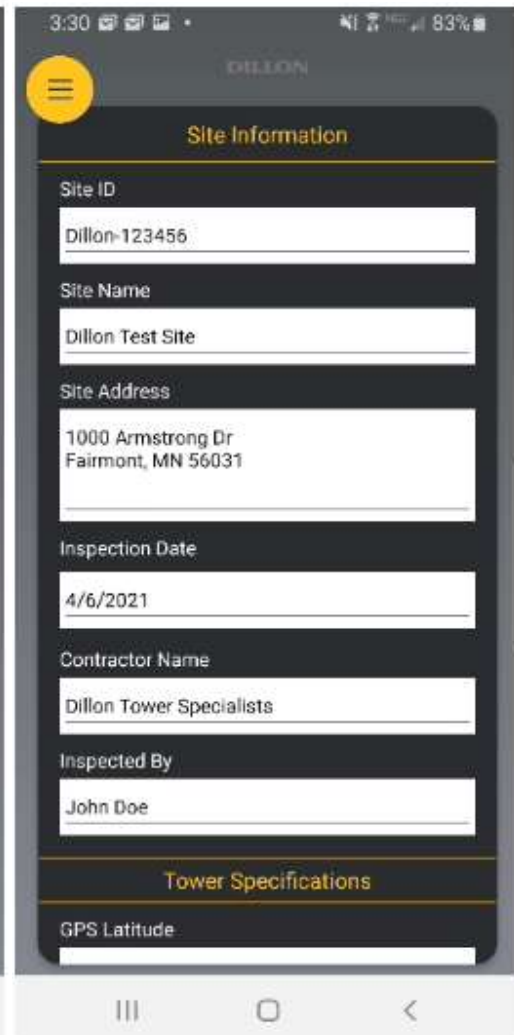
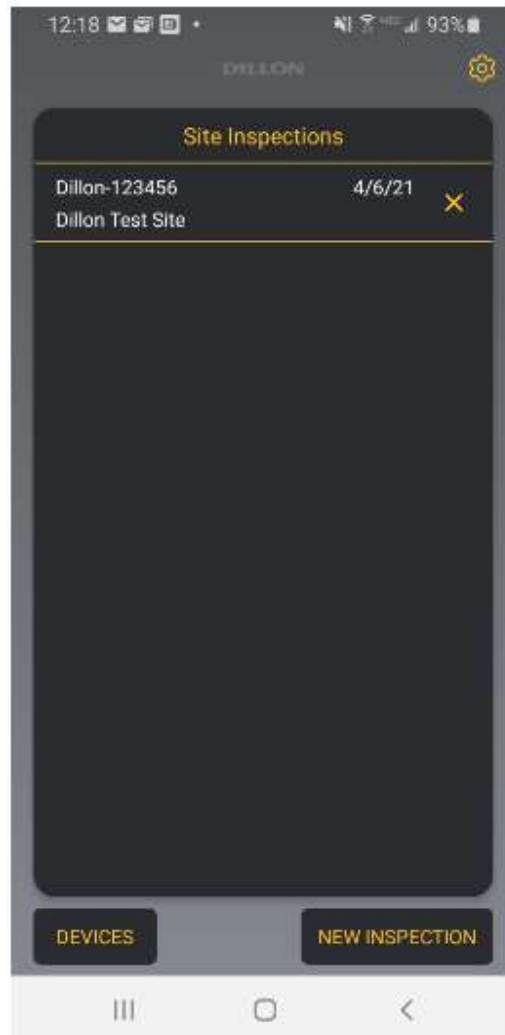
Wire Tension Readings

7 Viewing Stored Records

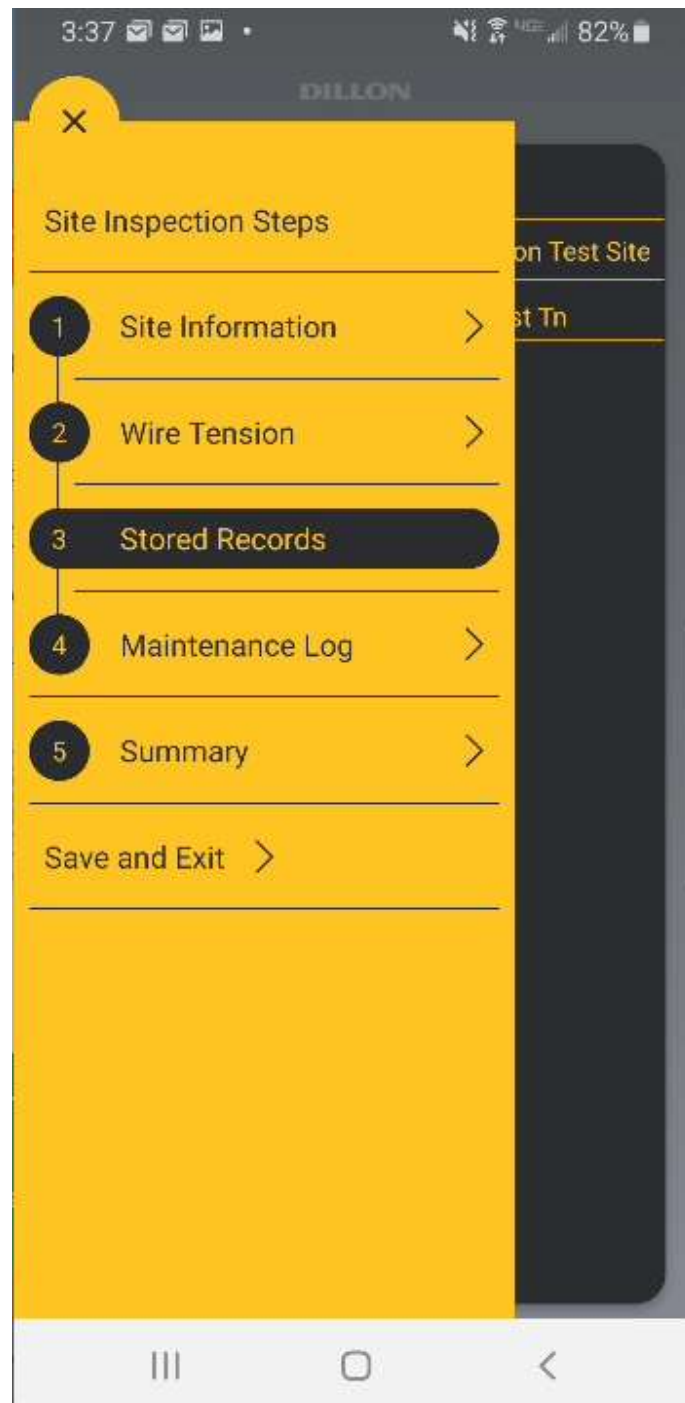


Dillon Tower

1. Click on the Dillon Tower icon on your Android or iOS mobile device:
2. From the **Site Inspections** screen, select the inspection you would like to view the stored records on.

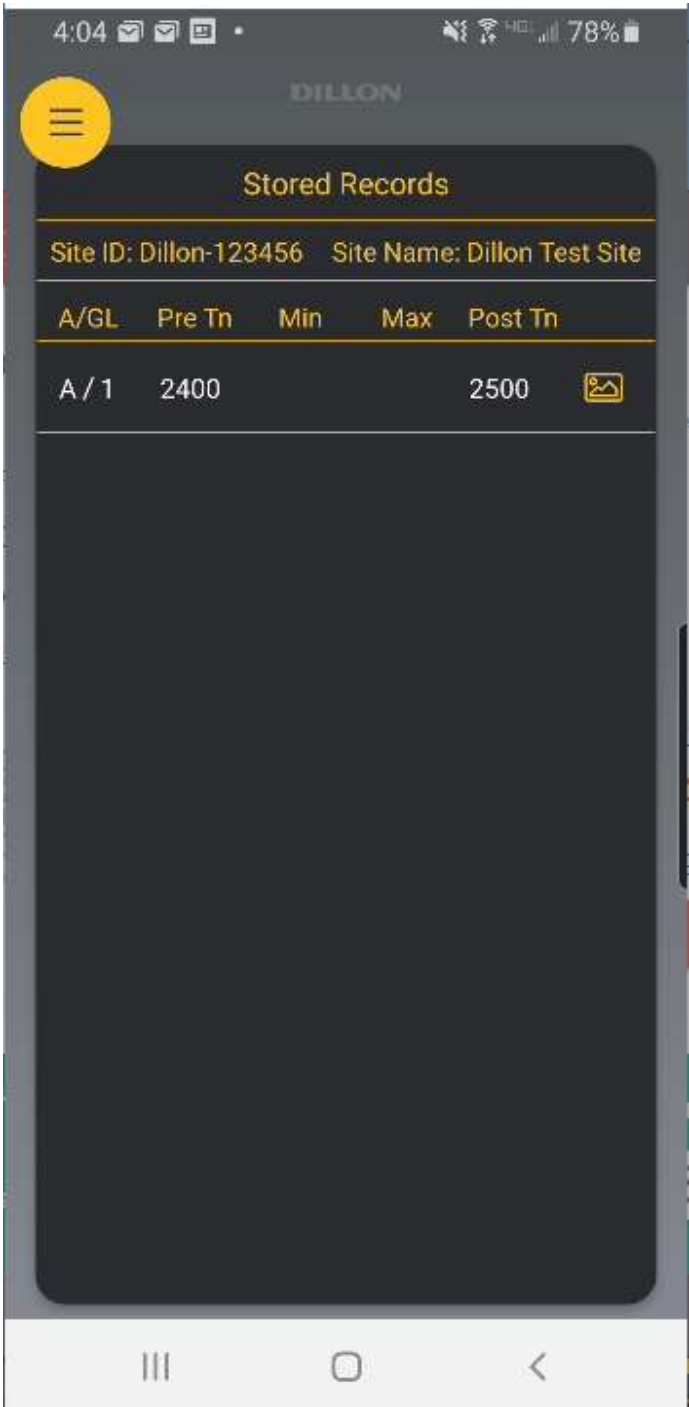


3. Press the **yellow** menu button  , then press **Stored Records**.



Viewing Stored Records

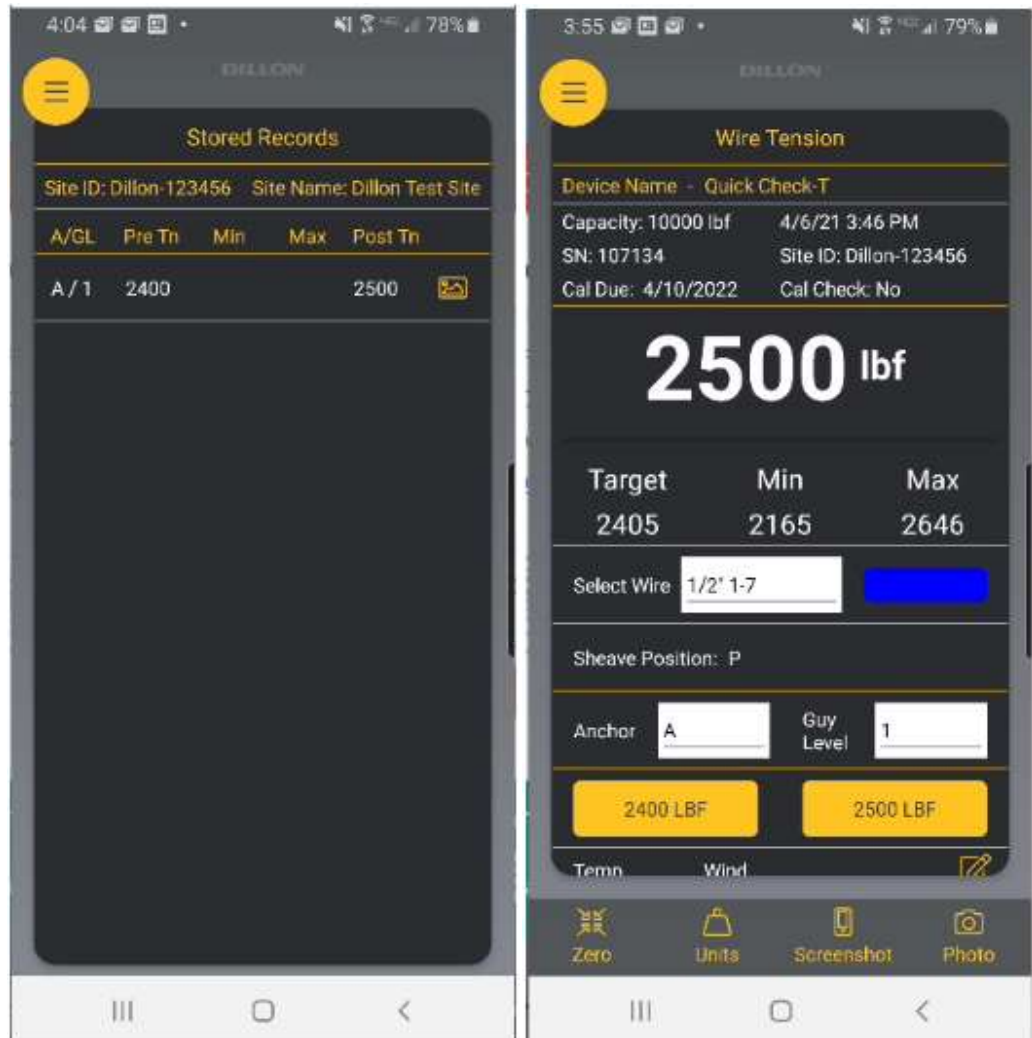
4. This screen shows a summary of all the Pre Tension (Pre Tn) and Post Tension (Post Tn) records stored for each Anchor and Guy Level.



5. By clicking on the Photo icon, the associated Screenshots and Photos can be viewed. By pressing the **X**, the screenshot and photo will be deleted from the record. Press **OK** to return to the Store Records screen.



6. By pressing any of the store records, the Wire Tension screen will be brought up with the selected Anchor and Guy Level settings already loaded. The intent is the user will periodically go to the Stored Records screen to see a summary of the guy tension measurements and jump to the selected Anchor and Guy Level to complete the Post Tension measurements after adjustments have been made.



8 Adding Maintenance Items to a Site Inspection Report

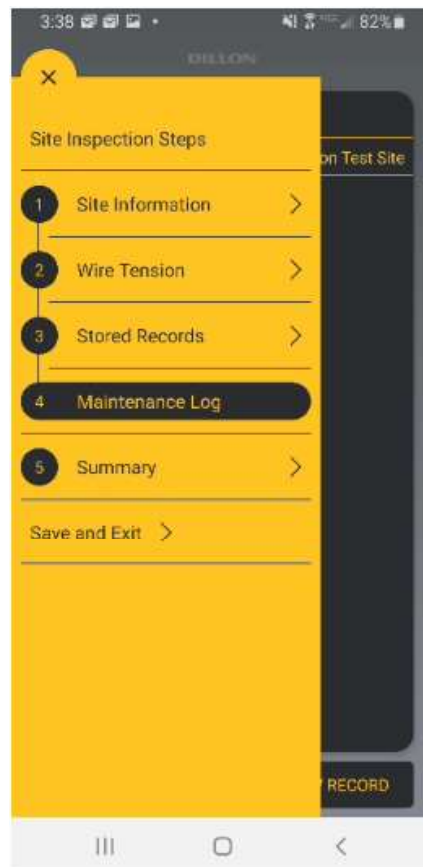


1. Click on the Dillon Tower icon on your Android or iOS mobile device:
2. From the **Site Inspection** screen, select the Inspection you would like to add the Maintenance Items to.

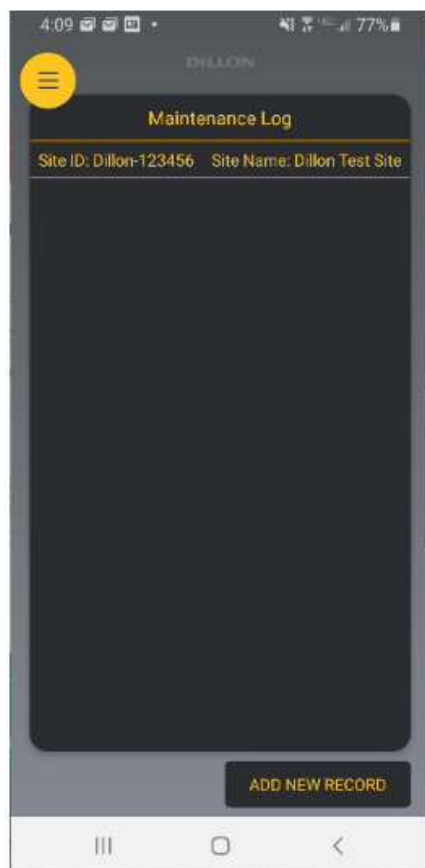
The left screenshot shows the 'Site Inspections' screen. It has a header 'DILLON' and a settings icon. Below the header is a section titled 'Site Inspections' with a list of inspections: 'Dillon-123456' and 'Dillon Test Site'. The date '4/6/21' is shown next to the first inspection. At the bottom are two buttons: 'DEVICES' and 'NEW INSPECTION'.

The right screenshot shows the 'Site Information' screen. It has a header 'DILLON' and a menu icon. Below the header is a section titled 'Site Information' with the following fields: 'Site ID' (Dillon-123456), 'Site Name' (Dillon Test Site), 'Site Address' (1000 Armstrong Dr, Fairmont, MN 56031), 'Inspection Date' (4/6/2021), 'Contractor Name' (Dillon Tower Specialists), and 'Inspected By' (John Doe). Below this is a section titled 'Tower Specifications' with a field for 'GPS Latitude'.

3. Press the **yellow** button  , then press **Maintenance Log**.

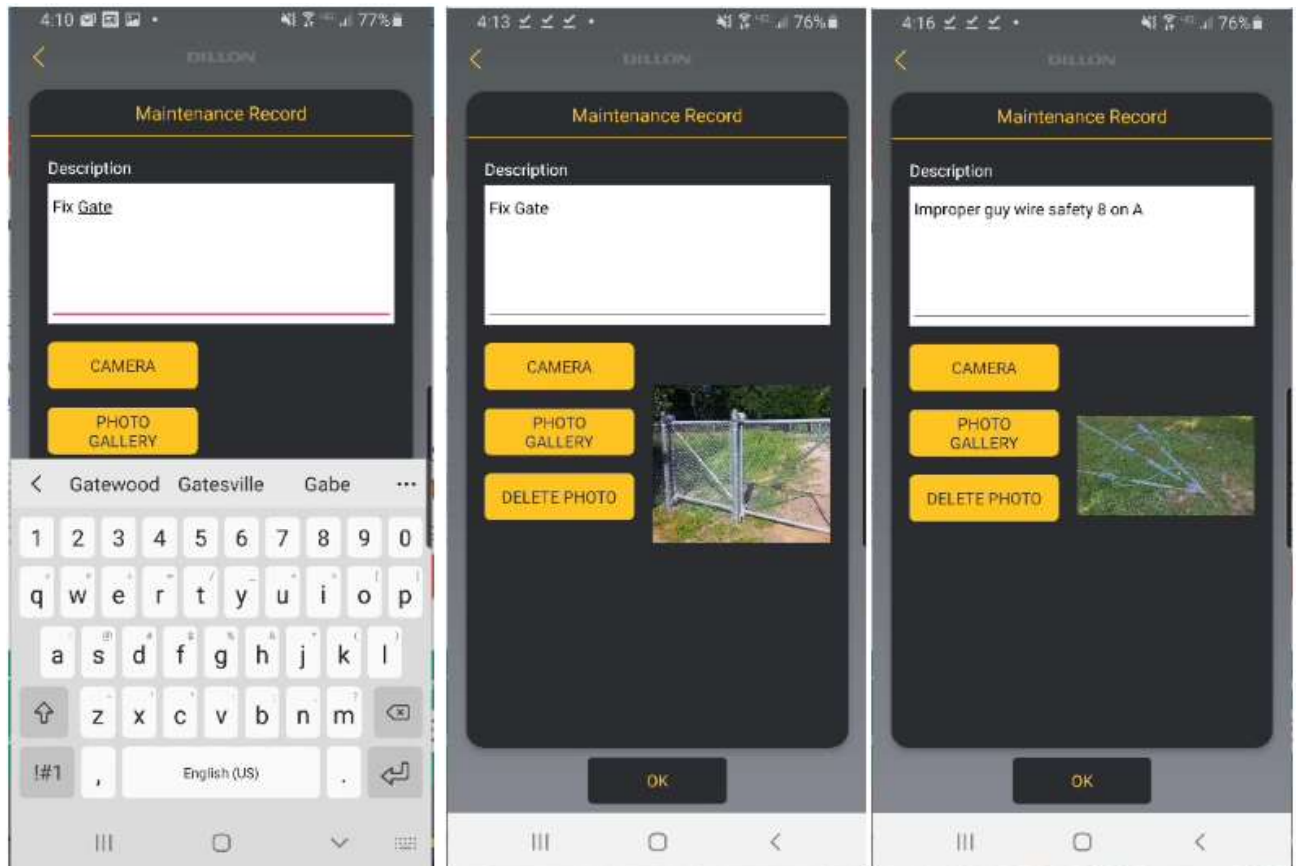


4. Press **Add New Record**.



5. Enter the Maintenance Information into the Description box. You can also use the Camera and Photo Gallery button to add a single photo of the maintenance item. If additional photos are needed, just add additional maintenance records for those photos.
- **Camera** - this button pulls up the mobile device's camera application.
 - **Photo gallery** - this button pulls up the mobile device's photo gallery to search for a photo that has already been taken.

- **Delete Photo** - this removes the current photo so another can be taken in its place.



6. Press **OK** to save Maintenance Record.



9 Exporting the Site Inspection Report



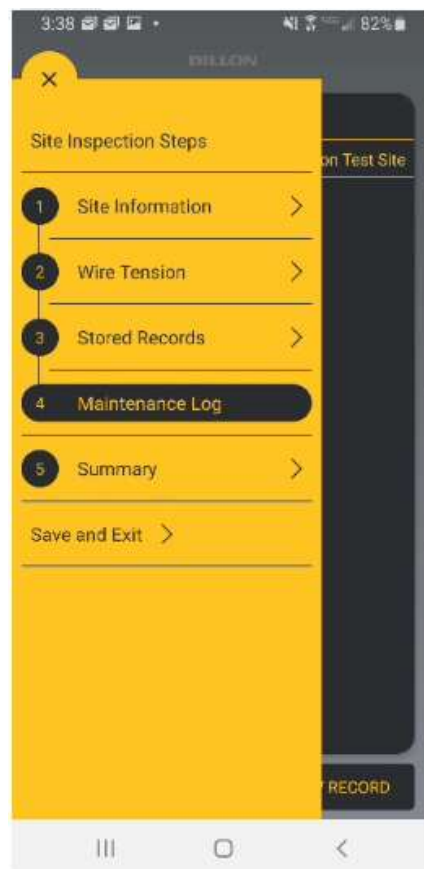
1. Click on the Dillon Tower icon on your Android or iOS mobile device:
2. From the **Site Inspections** screen, select the Inspection you would like to export the report from.

The left screenshot shows the 'Site Inspections' screen. At the top, it says 'Dillon-123456' and '4/6/21' with a yellow 'X' icon. Below this is a large empty box. At the bottom, there are two buttons: 'DEVICES' and 'NEW INSPECTION'.

The right screenshot shows the 'Site Information' screen. It has a yellow menu icon at the top left. The form contains the following fields:

- Site ID: Dillon-123456
- Site Name: Dillon Test Site
- Site Address: 1000 Armstrong Dr, Fairmont, MN 56031
- Inspection Date: 4/6/2021
- Contractor Name: Dillon Tower Specialists
- Inspected By: John Doe
- Tower Specifications: GPS Latitude

3. Press the **yellow** button  , then press **Summary**.



4. A preview of the Report will be shown on the screen. The preview is pan-able to enable the user to see the full report.

The following tables represent the data shown in the screenshots:

Summary

Site ID	Dillon-12345
Site Name	Dillon Test S
Site Address	1000 Armstr
Contractor Name	Dillon Tower
Inspected By	John Doe
Inspection Date	4/6/2021 3:3
Wind Speed	4.61 mph
Wind Direction	ESE

TOWER SPECIFICATIONS

Tower Manufacturer Name	ABC inc.
Tower Type	25 Series Guy
Tower Structure Height	450 ft
Face Width	3.145 ft
GPS Latitude	43.6522
GPS Longitude	-94.4611

DILLON QUICK CHECK-T

Dillon-107134

GUY TENSION MEASUREMENTS

Type	Size	Temp	Pre Tn	Min
EHS	1/2' 1-7	73 °F	2400 lbf	lbf

ANCHOR AND GUY LEVEL IMAGES

Anchor A Guy Level 1

WIRE TENSION

Device Name: Quick Check T

Capacity: 10000 lbf

SN: 107134

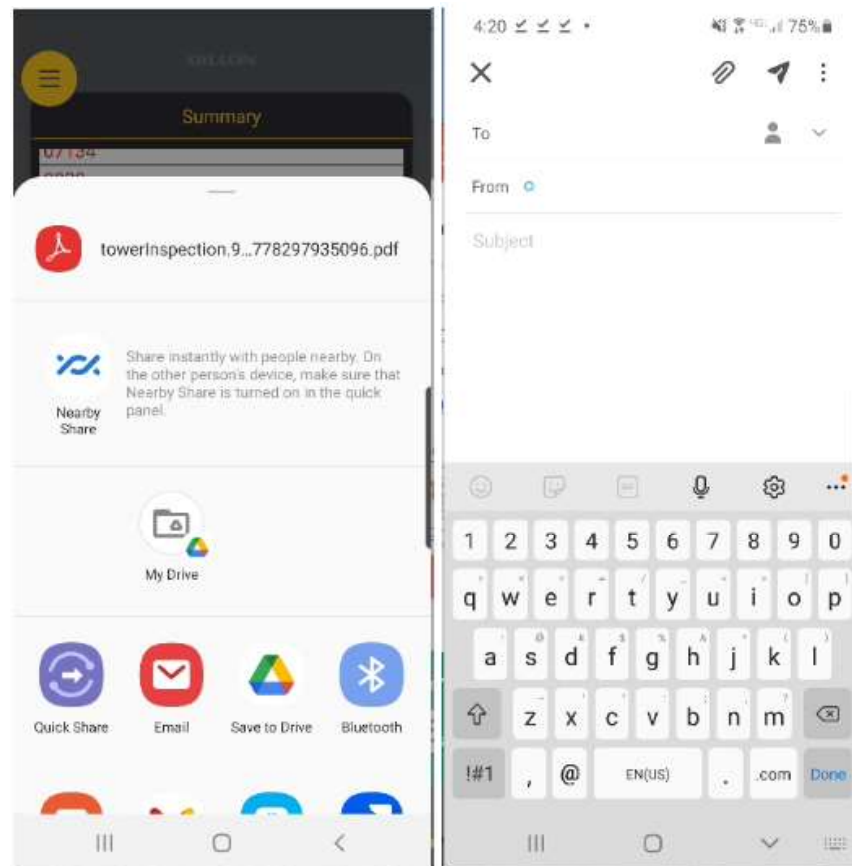
4/6/21 3:45 PM

58410 Dillon TTN

EXPORT AS PDF

EXPORT DATA FOR EXCEL

5. Press the **Export as PDF** button. This brings up the sharing options that are available on the mobile device.
 - Press **Email** to send the Site Report via email.
 - Press **Save to Drive** to save the Site Report to your Google Drive account. (This can be used if the size of the PDF is too large to email).



The exported PDF contains all the Site Information, Wire Pretension “initial” (Pre Tn) and Post Tension (Post Tn) readings, Guy Wire photos & screenshots, and the Maintenance items and photos.

Dillon Test Site (Dillon-123456)

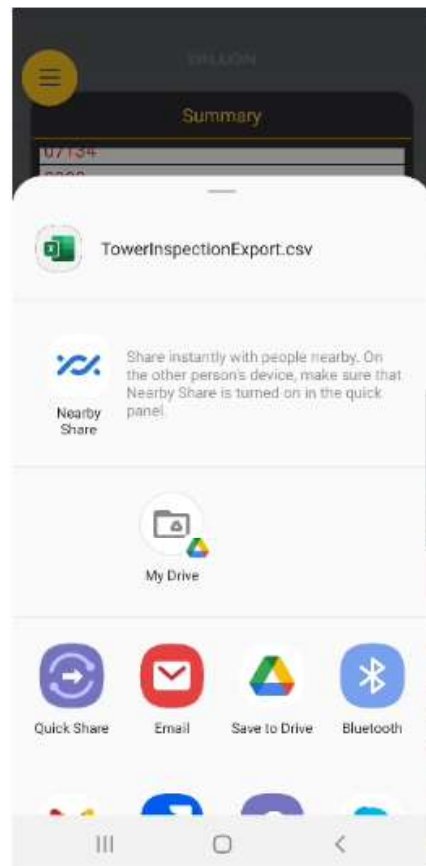
Site ID	Dillon-123456	DILLON
Site Name	Dillon Test Site	
Site Address	1000 Armstrong Dr Fairmont, MN 56031	
Contractor Name	Dillon Tower Specialists	
Inspected By	John Doe	
Inspection Date	4/6/2021 3:24:37 PM	
Wind Speed	4.61 mph	
Wind Direction	ESE	

TOWER SPECIFICATIONS	
Tower Manufacturer Name	ABC Inc.
Tower Type	25 Series Guyed
Tower Structure Height	450 ft
Face Width	3.145 ft
GPS Latitude	43.6522
GPS Longitude	-94.4611

DILLON QUICK CHECK-T	
Dillon Device Name	Dillon-107134
Serial#	107134
Capacity	10000
Cal Due	1/1/0001 12:00:00 AM
Cal Check	True

GUY TENSION MEASUREMENTS										
Anchor (Leg)	A	GPS Latitude		44.112793						
		GPS Longitude		-94.234278						
Guy Level	Elev.	Radius	Drop-Rise	Type	Size	Temp	Pre Tn	Min	Max	Post Tn
1	150 ft	650 ft	0 ft	EHS	1/2" 1-7	73 °F	2400 lbf	lbf	lbf	2500 lbf

6. Press the **Export Data For Excel** button. This brings up the sharing options that are available on the mobile device.
 - Press **Email** to send the Site Report via email.
 - Press **Save to Drive** to save the Site Report to your Google Drive account.



The exported file is a CSV (Comma-Separate Vales) file that can be imported into a spreadsheet program like Microsoft Excel. The file contains all the Site Information, Wire Pre Tension (Pre Tn) and Post Tension (Post Tn) readings, and text descriptions of the Maintenance Log.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	SITE INFORMATION													
2	Site ID	Dillon-123456												
3	Site Name	Dillon Test Site												
4	Site Address	1000 Armstrong Dr												
5	Contractor Name	Fairmont, MN 56011												
6	Inspector Name	Dillon Tower Specialists												
7	Inspected By	John Doe												
8	Inspection Date	4/6/2021 15:24												
9	Wind Speed	4.61 mph												
10	Wind Direction	ESE												
11	TOWER SPECIFICATIONS													
12	Tower Manufacturer Name	ABC Inc.												
13	Tower Type	25 Series Guyed												
14	Tower Structure Height	450 ft												
15	Face Width	3.145 ft												
16	GPS Latitude	43.6522												
17	GPS Longitude	-94.4611												
18														
19	DILLON QUICK CHECK-T													
20	Dillon Device Name	Dillon-107134												
21	Serial#	107134												
22	Capacity	10000												
23	Cal Due	1/1/0001 12:00:00 AM												
24	Cal Rod	TRUE												
25														
26	GUY TENSION MEASUREMENTS													
27														
28	Anchor (Leg)	GPS Latitude	GPS Longt	Guy Level	Elevation	Guy Radiu	Guy Drop	Wire Type	Size	Temperat	Pre Tn	Min	Max	Post Tn
29	A	44.112793	-94.2343	1	150 ft	630 ft	0 ft	EHS	1/2" 1-7	73 F	2400			2500
30														
31														
32														
33	MAINTENANCE LOG													
34	Fix Gate													
35	Improper guy wire safety B on A													
36														

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