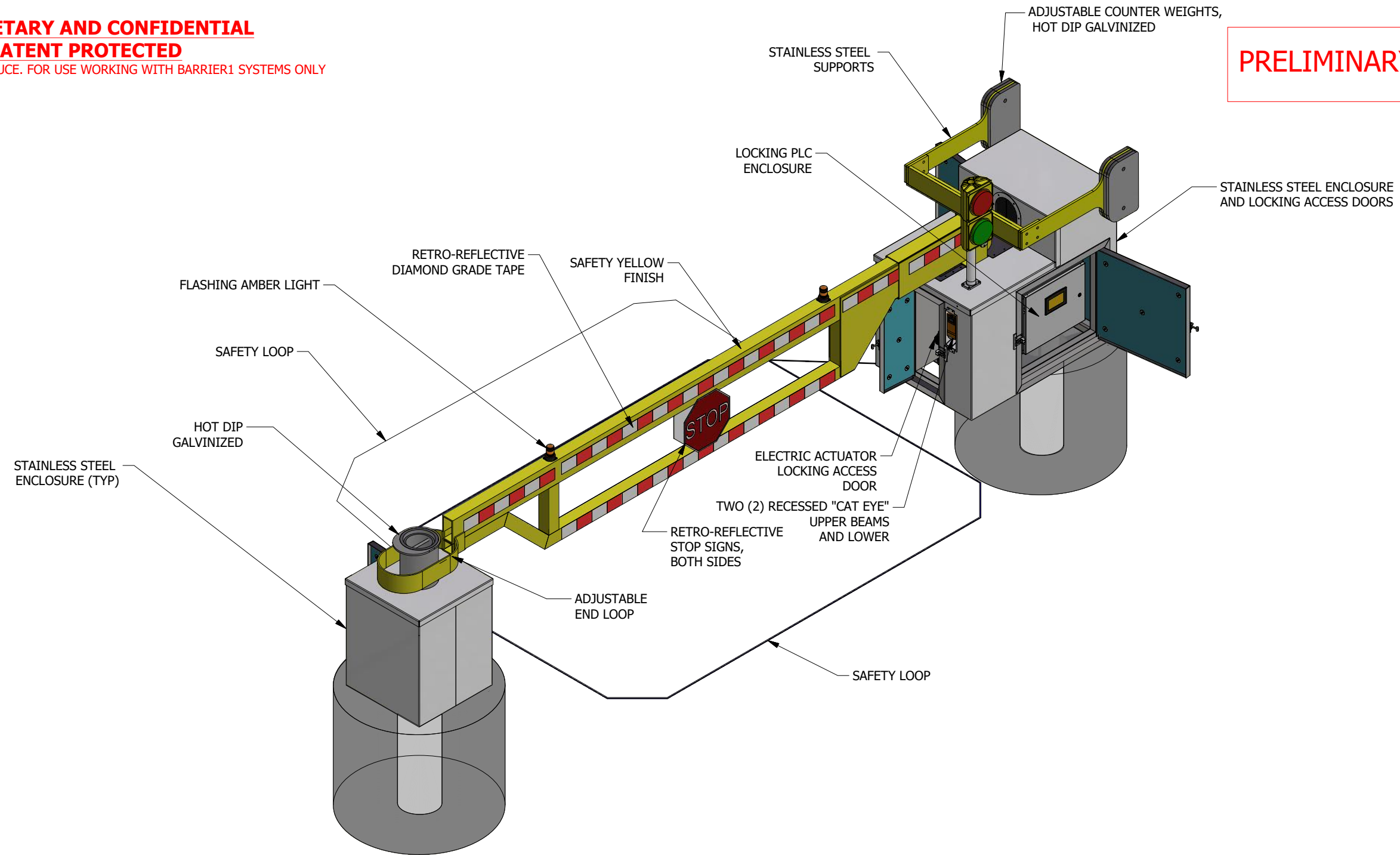


**ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED**  
 CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

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**PRELIMINARY DRAWING**



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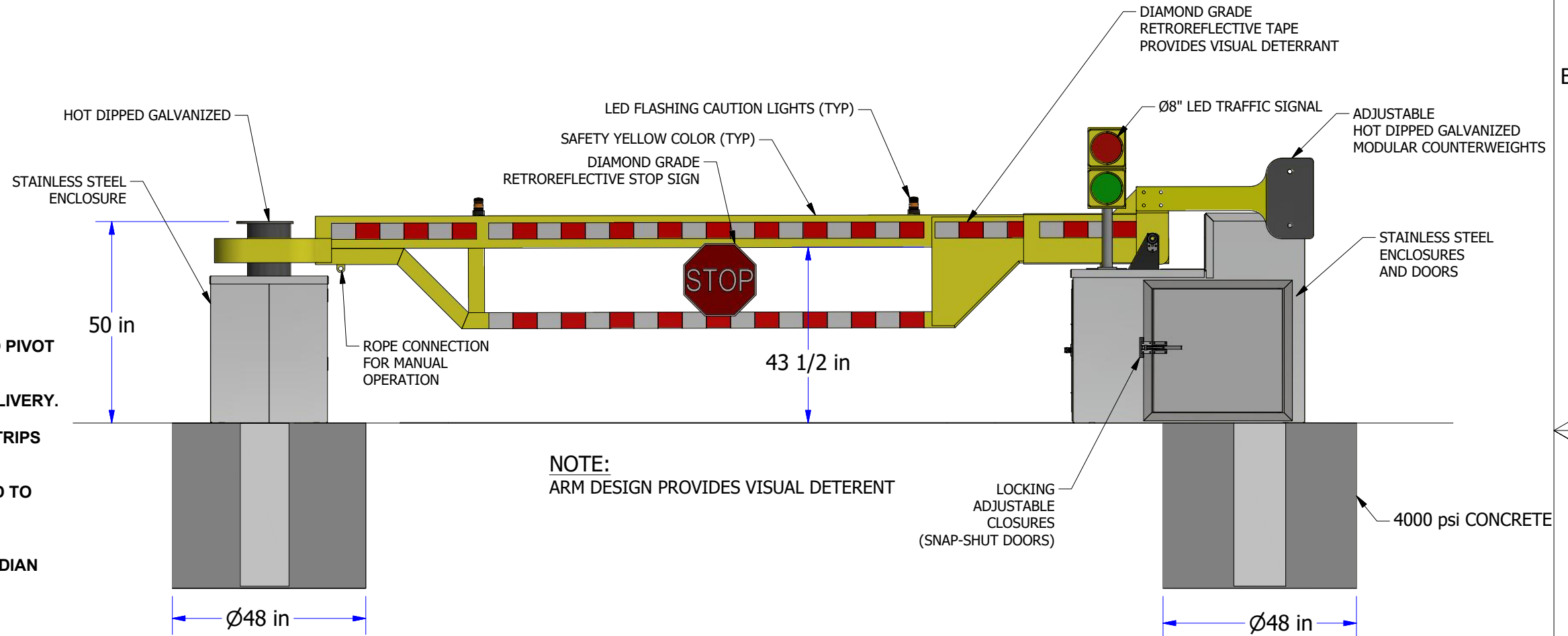
# ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED

CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

PRELIMINARY DRAWING

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**KEY CAPABILITIES:**

1. RAISE OR LOWER ARM IN ABOUT 4 SECONDS. HOOK SIDE AND PIVOT SIDE OF BARRIER CAN BE REVERSED.
2. BARRIER IS PREFABRICATED AND PRE-ASSEMBLED UPON DELIVERY.
3. BARRIER ARM IS HIGHLY VISIBLE WITH RETRO-REFLECTIVE STRIPS AND SIGNS, AND PROVIDES A VISUAL DETERRENT.
4. BI-DIRECTIONAL STOPPING CAPABILITY. (ASTM M50 CERTIFIED TO STOP INBOUND AND OUTBOUND VERTICAL IMPACTS) STOPS 15,000 LB. VEHICLE AT 50 MPH WITH 1.9 METER PENETRATION.
5. ROBUST ELECTRICAL ACTUATOR WITH WATER PROOF ACCORDIAN COVERING ROD, IP67 RATING.
6. AUTOMATIC ELECTRIC LOCKING IN DOWN POSITION. MANUAL LOCKING ALSO PROVIDED.
7. MANUALLY OPERATE BARRIER ARM BY ONE (1) PERSON IF OUT OF SERVICE.
8. UNAFFECTED BY GRADE ELEVATION DIFFERENCES ON SIDES OF ROADWAY.
9. ALL MATERIALS ARE RUST INHIBITING, INCLUDING STAINLESS STEEL, ALUMINUM WITH INDUSTRIAL PAINT COAT, AND HOT DIPPED GALVANIZED STEEL.
10. SAFETY LOOP AND TWO (2) LIGHT SENSORS PROVIDE REDUNDANCY AGAINST DROP ARM BEING LOWERED ON TOP OF VEHICLE.
11. MODULAR COMPONENTS ALLOW FOR EASY REPLACEMENT OF PARTS.
12. REDUCED MAINTENANCE. REMOTE ACCESS OF ACTUATOR SETTINGS FROM ANYWHERE, USING WIRELESS HOT SPOT.
13. UPS BACKUP POWER AVAILABLE.
14. MINIMAL MAINTENANCE.

**NOTE:**  
ARM DESIGN PROVIDES VISUAL DETERRENT



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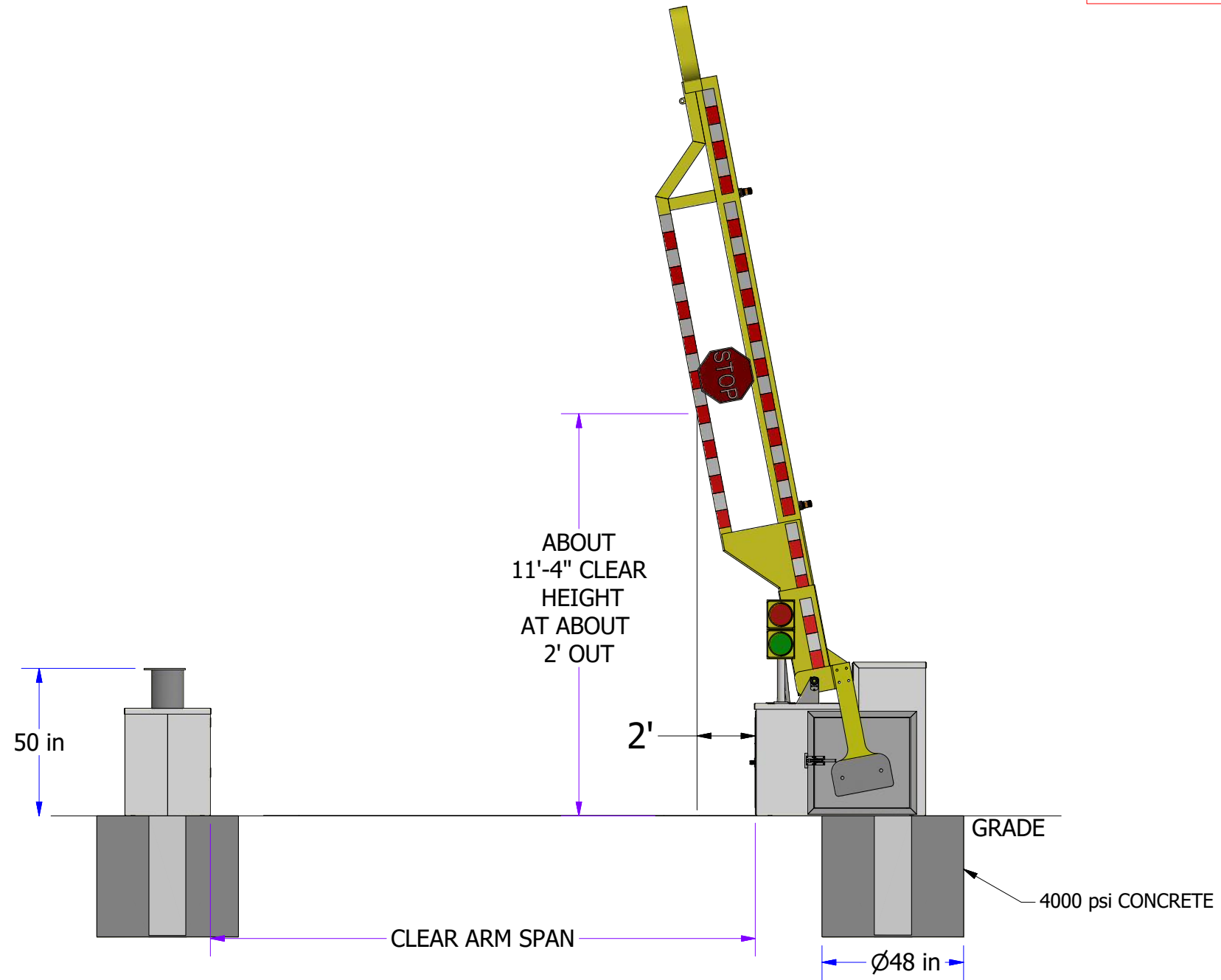
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**ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED**  
 CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

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**PRELIMINARY DRAWING**

ARM OPEN



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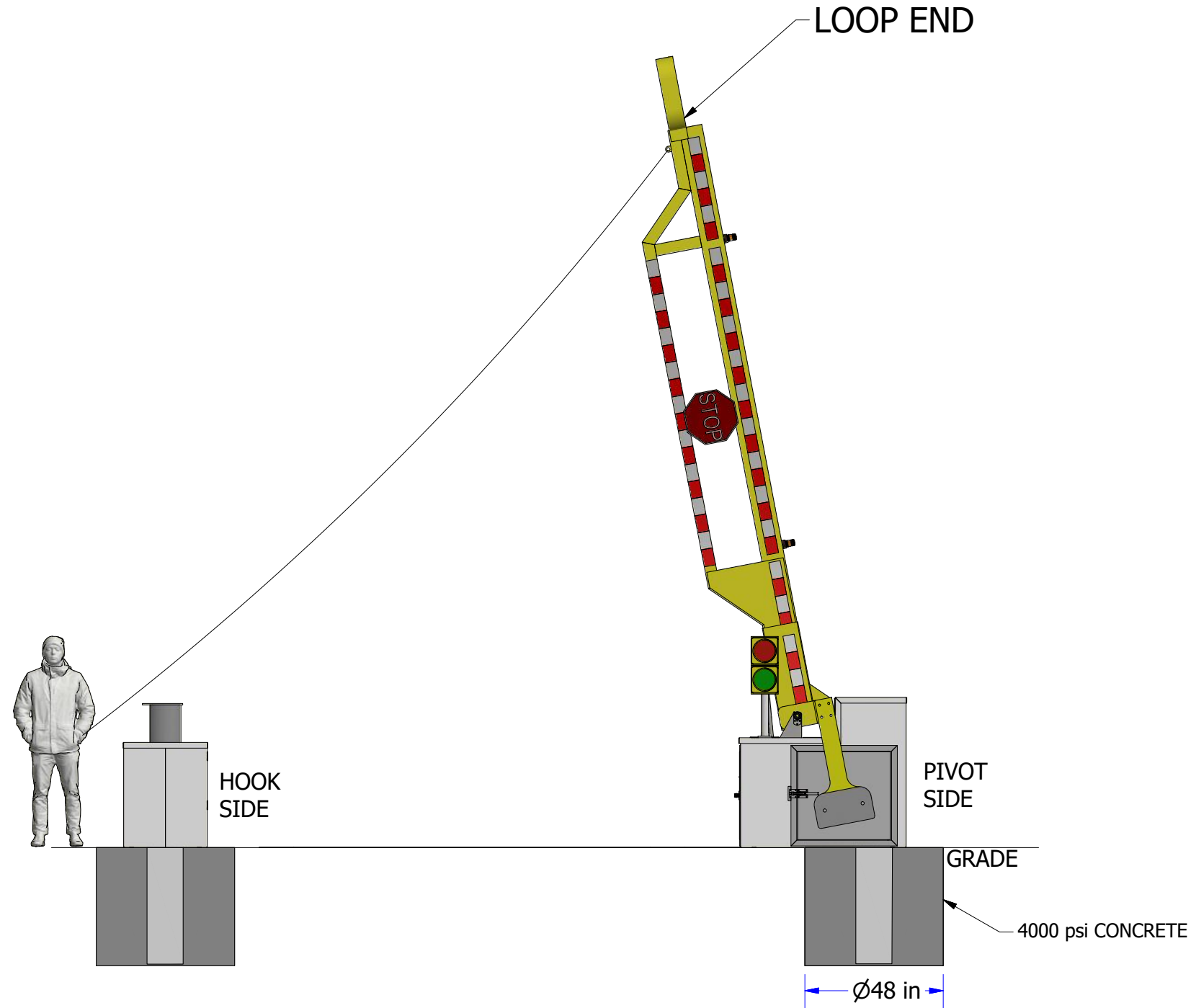
**ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED**  
 CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

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**MANUAL OPERATIONS**

**PRELIMINARY DRAWING**



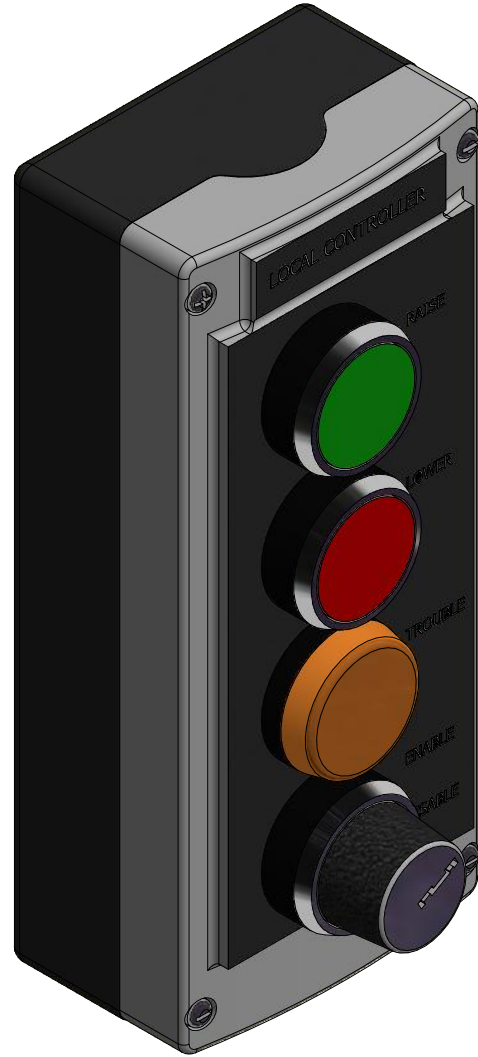
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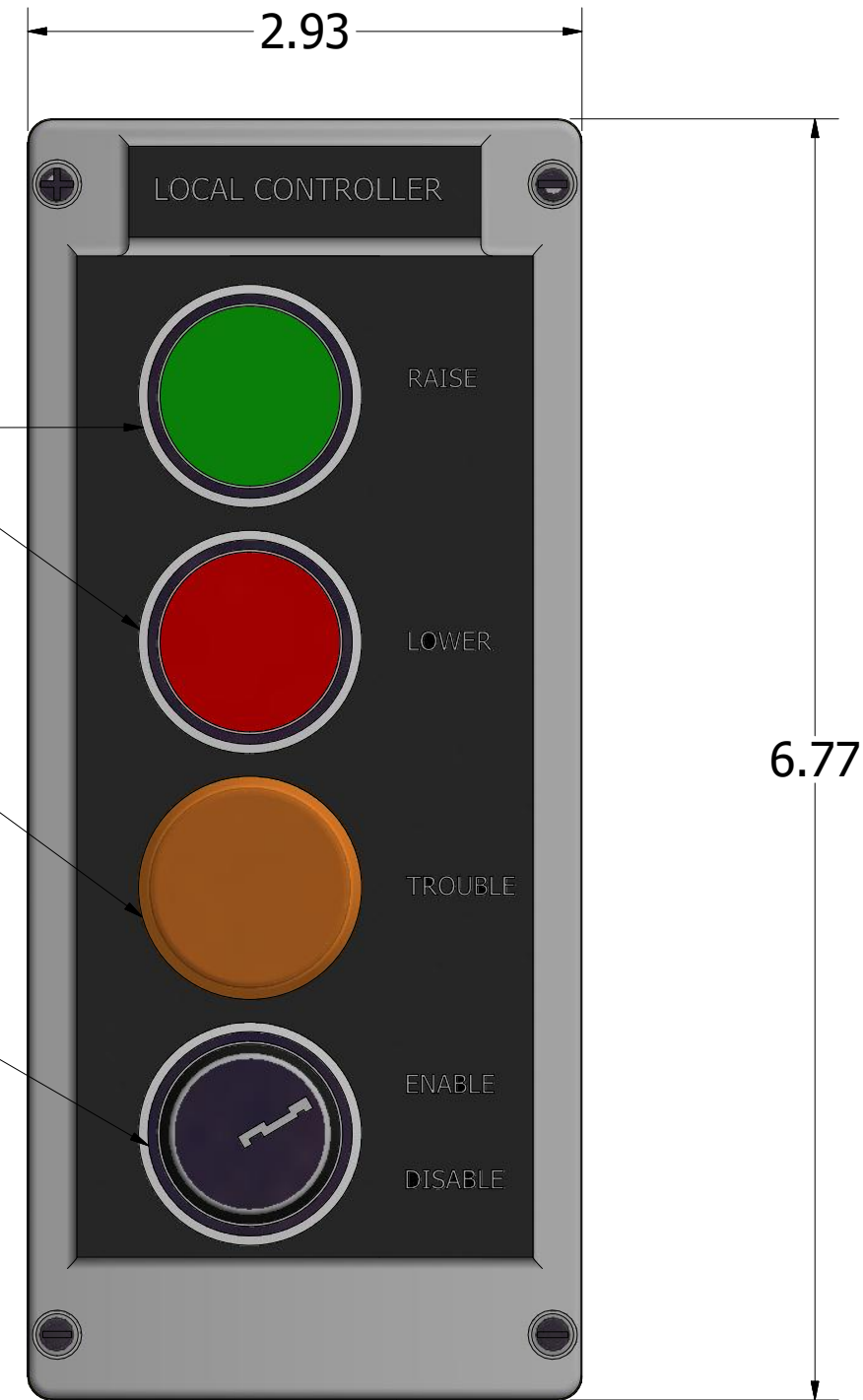
FOR LOCATIONS WITH 1 BARRIER ARM  
 WALL MOUNTED CONTROLLER



PUSH BUTTON CONTROLS

ORANGE LED

KEYED SWITCH



PRELIMINARY DRAWING

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**ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED**  
 CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

FOR LOCATIONS WITH 2 BARRIER ARMS  
 DESK MOUNTED CONTROLLER

SAMPLE CONTROLLER

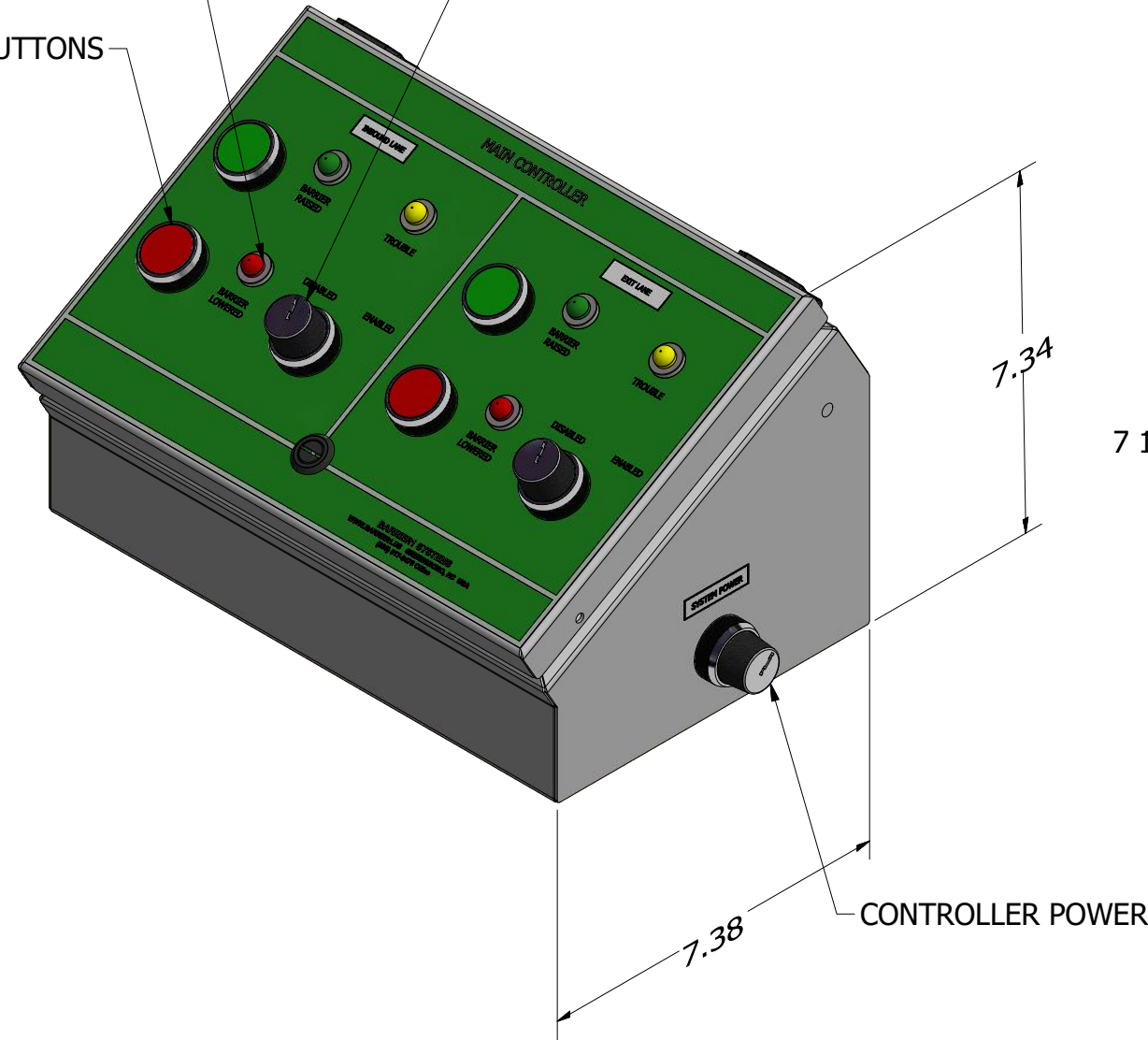
11 15/16 in

COLORED INDICATOR LAMPS

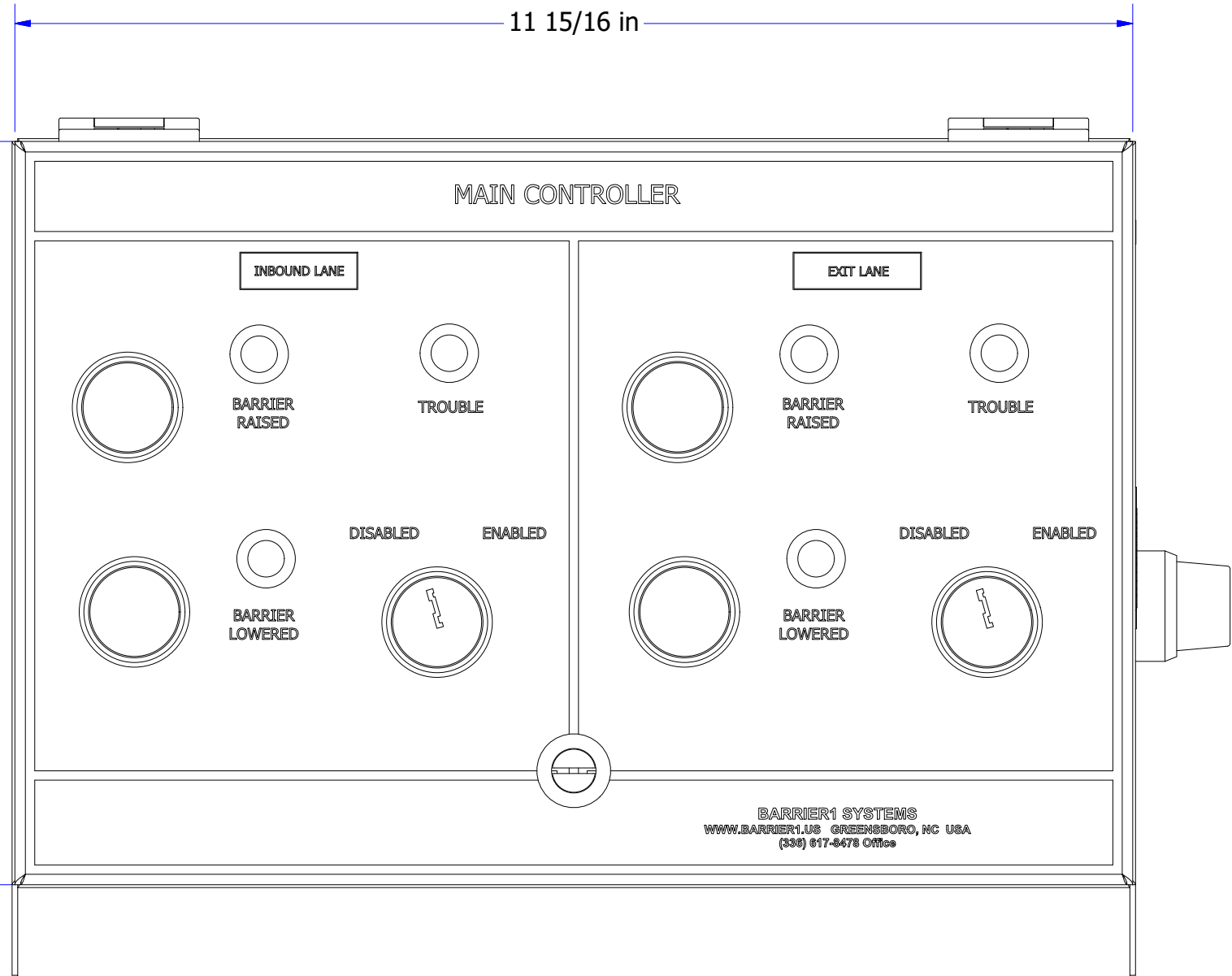
KEYED SWITCHES

PUSH BUTTONS

MAIN CONTROLLER



7 15/16 in



PRELIMINARY DRAWING

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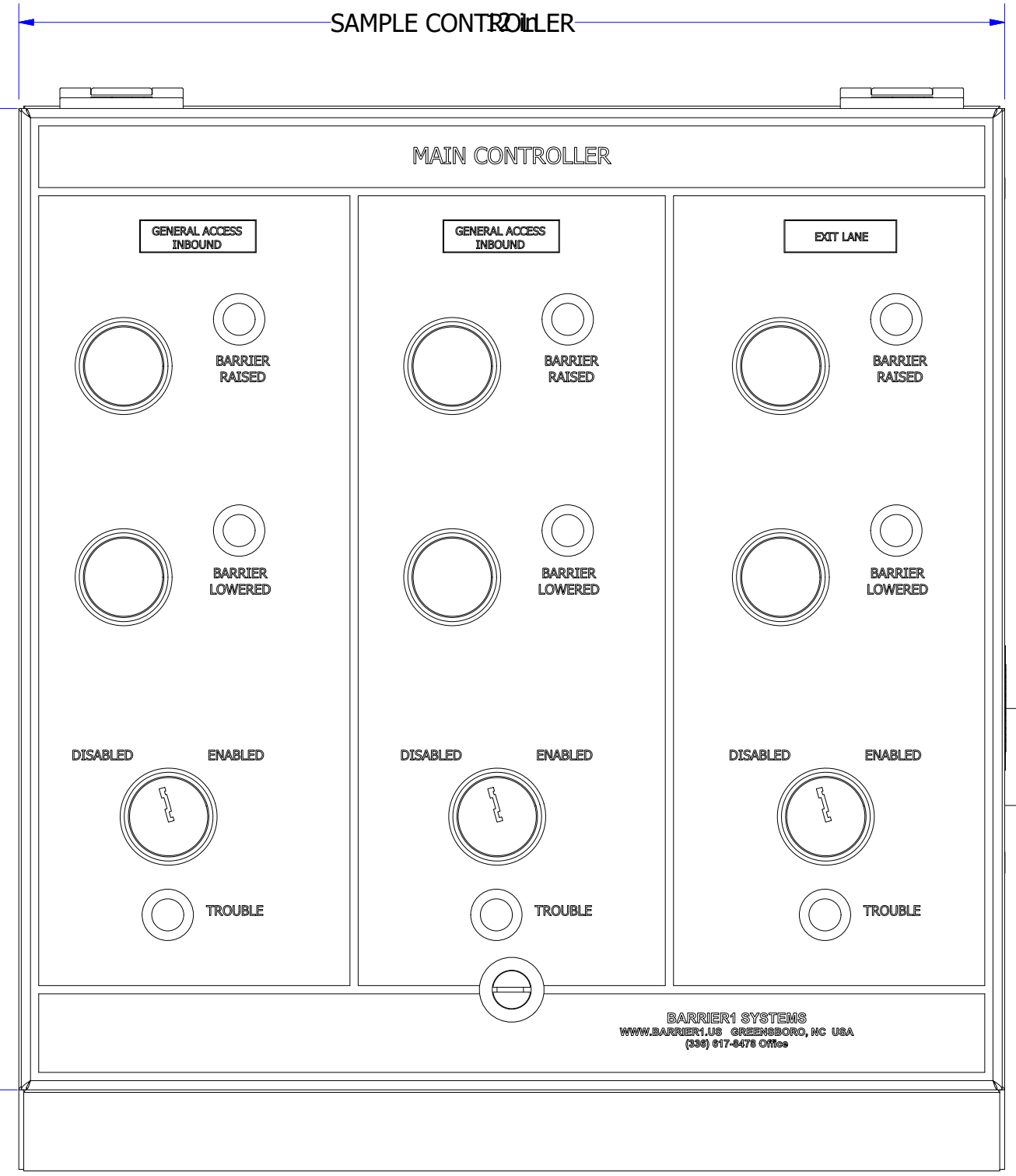
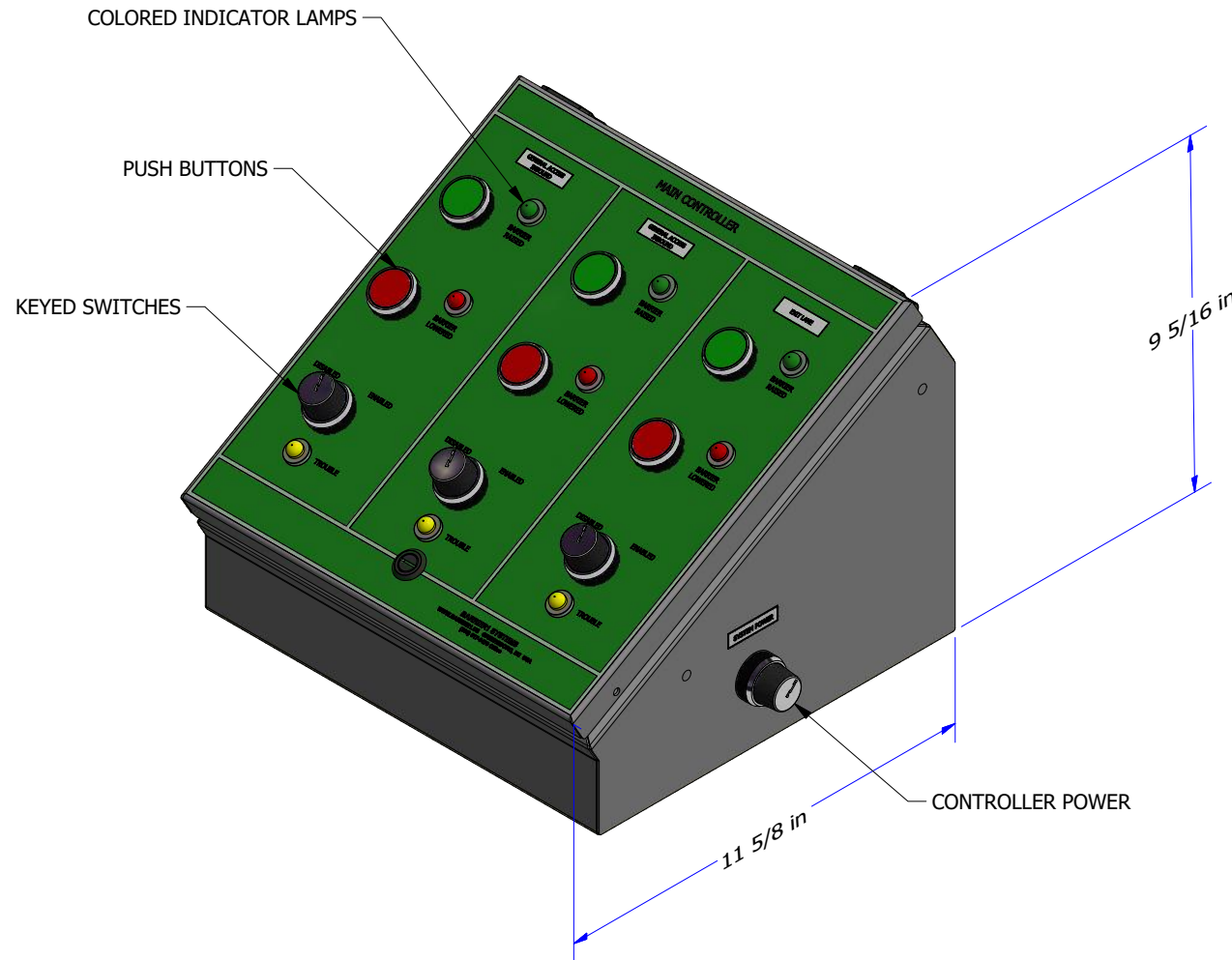
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**ELECTRIC CRASH BEAM- MODEL FCB-400, ASTM M30 CRASH RATED**  
 CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 30 MPH

FOR LOCATIONS WITH 3 BARRIER ARMS  
 DESK MOUNTED CONTROLLER



**PRELIMINARY DRAWING**

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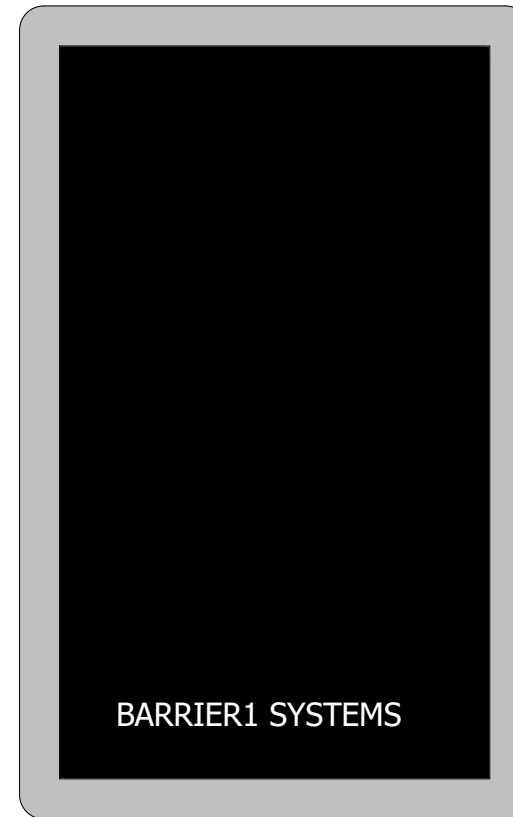
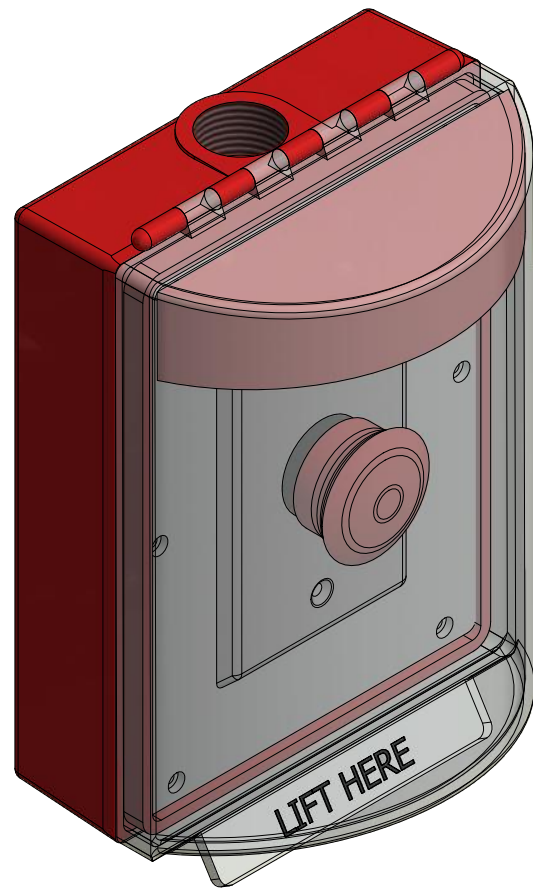
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**PRELIMINARY DRAWING**

EMERGENCY FAST OPERATION  
 OVERRIDES AND CLOSES ALL BARRIERS

WIRLESS CONTROLLER OPTION  
 USING SMART PHONE

WIRELESS CONTROLLER OPTION  
 USING REMOTE CONTROLLER



**NOTE:**  
 PRESSING EFO IN EMERGENCY OVERRIDES  
 SAFETY LOOPS; ARM(S) AT GATE  
WILL CLOSE REGARDLESS OF VEHICLE PRESENCE

**ELECTRICAL CRASH BEAM - OPTIONAL ITEMS:**

1. UPS BATTERY BACKUP.
2. TRIGGER LOOPS IN ROADWAY FOR LOGIC TO AUTOMATICALLY OPEN AND CLOSE ARMS.
3. AUDIBLE ALARM WHEN ARM IS BEING LOWERED.
4. SIGNS, ADDITIONAL TRAFFIC SIGNALS, AND WARNING LIGHTS.
5. WIRELESS REMOTE CONTROLLERS.
6. TOUCH SCREEN CONTROLLERS.
7. CONNECTING ADDITIONAL ADJACENT SURFACE SET CONCRETE BLOCKS IN SERIES (REDUCE VEHICLE PENETRATION DISTANCE)



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