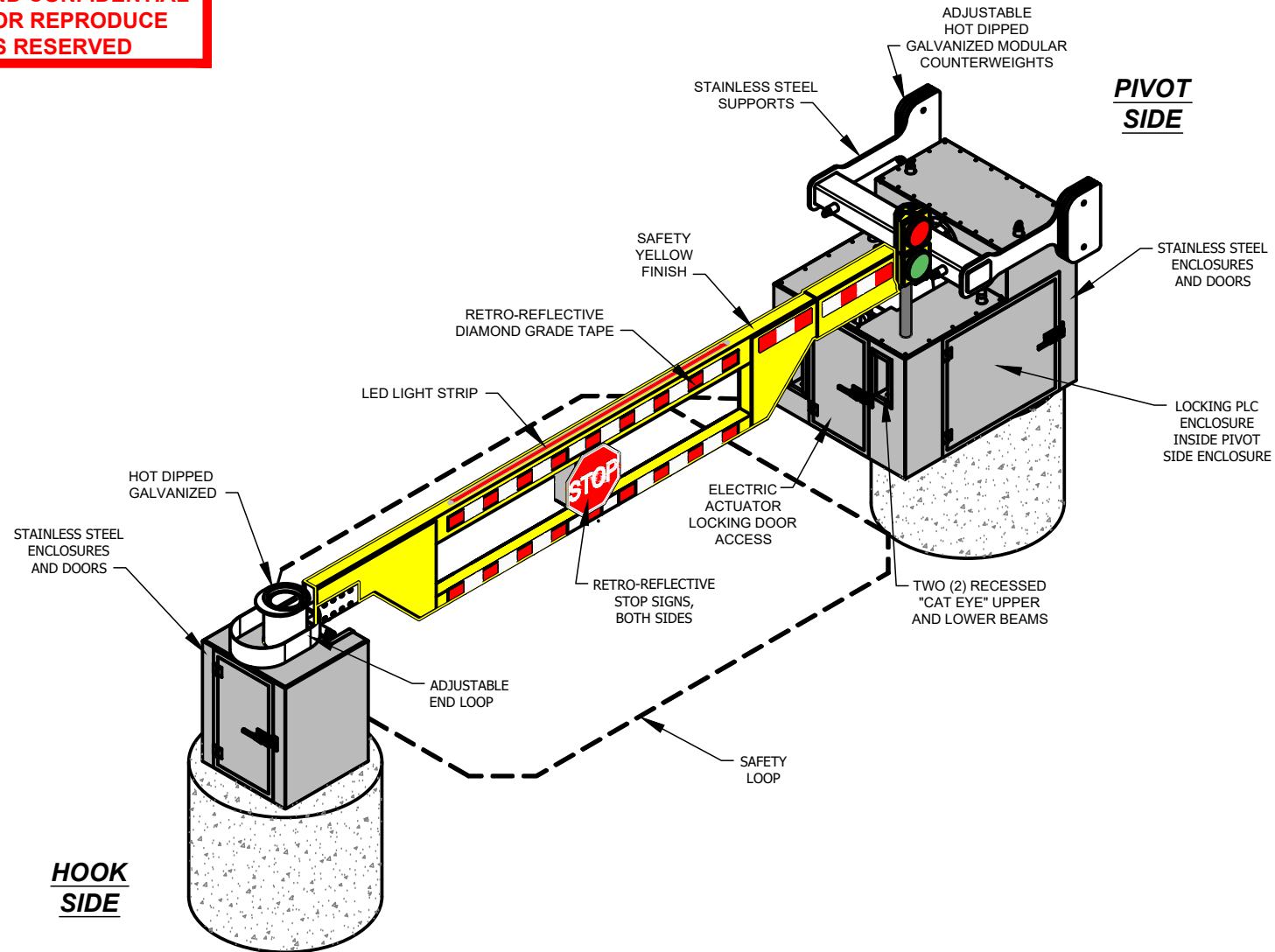


**ELECTRIC CRASH BEAM - MODEL FCB-1200, ASTM M50 CRASH RATED**  
CRASH RATED AND CERTIFIED TO STOP 15, 000 LBS. IMPACT AT 50 MPH

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**BARRIER1 SYSTEMS**

8015 THORNDIKE ROAD  
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mlamore@barrier1.us www.barrier1.us

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ELECTRICALLY OPERATED  
CRASH BEAM

WEBSITE  
DRAWINGS

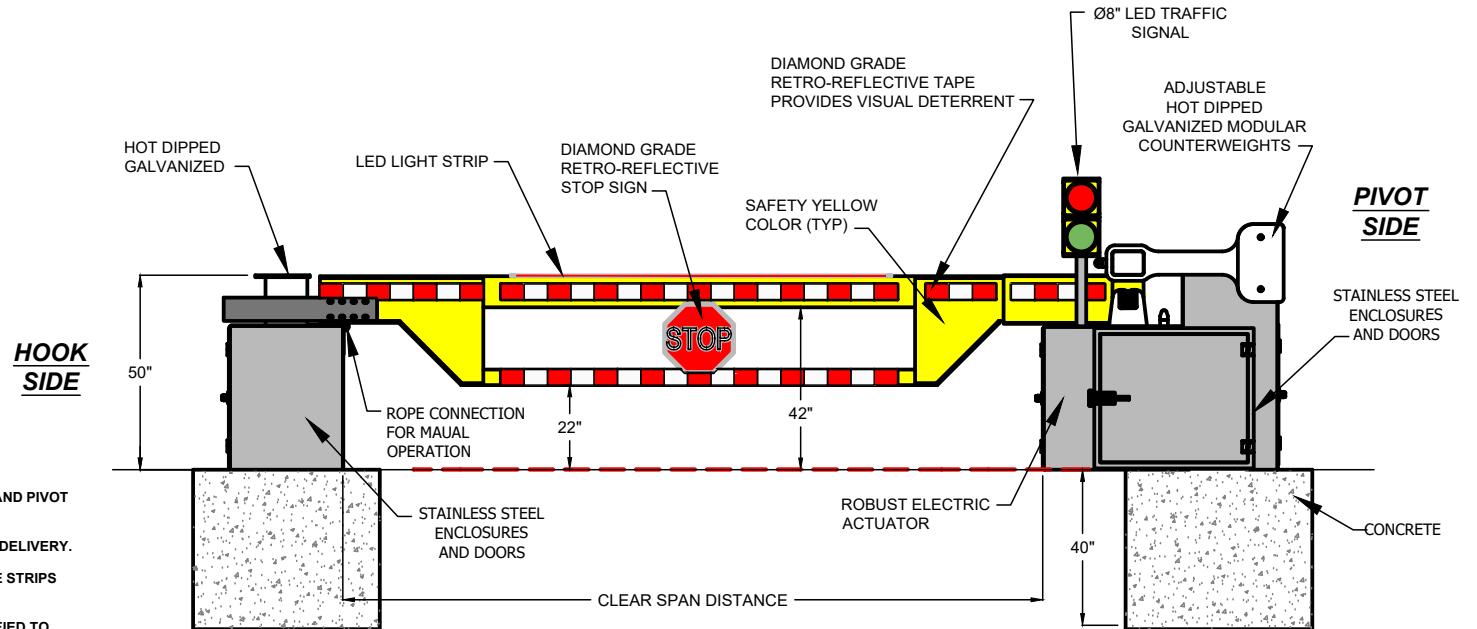
SHEET: 1 OF 7

20210707-01-P

SCALE: N.T.S.

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CRASH RATED AND CERTIFIED TO STOP 15,000 LBS. IMPACT AT 50 MPH

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**KEY CAPABILITIES:**

1. RAISE OR LOWER ARM IN ABOUT 6 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.



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ELECTRICALLY OPERATED  
CRASH BEAM

WEBSITE  
DRAWINGS

SHEET: 2 OF 7

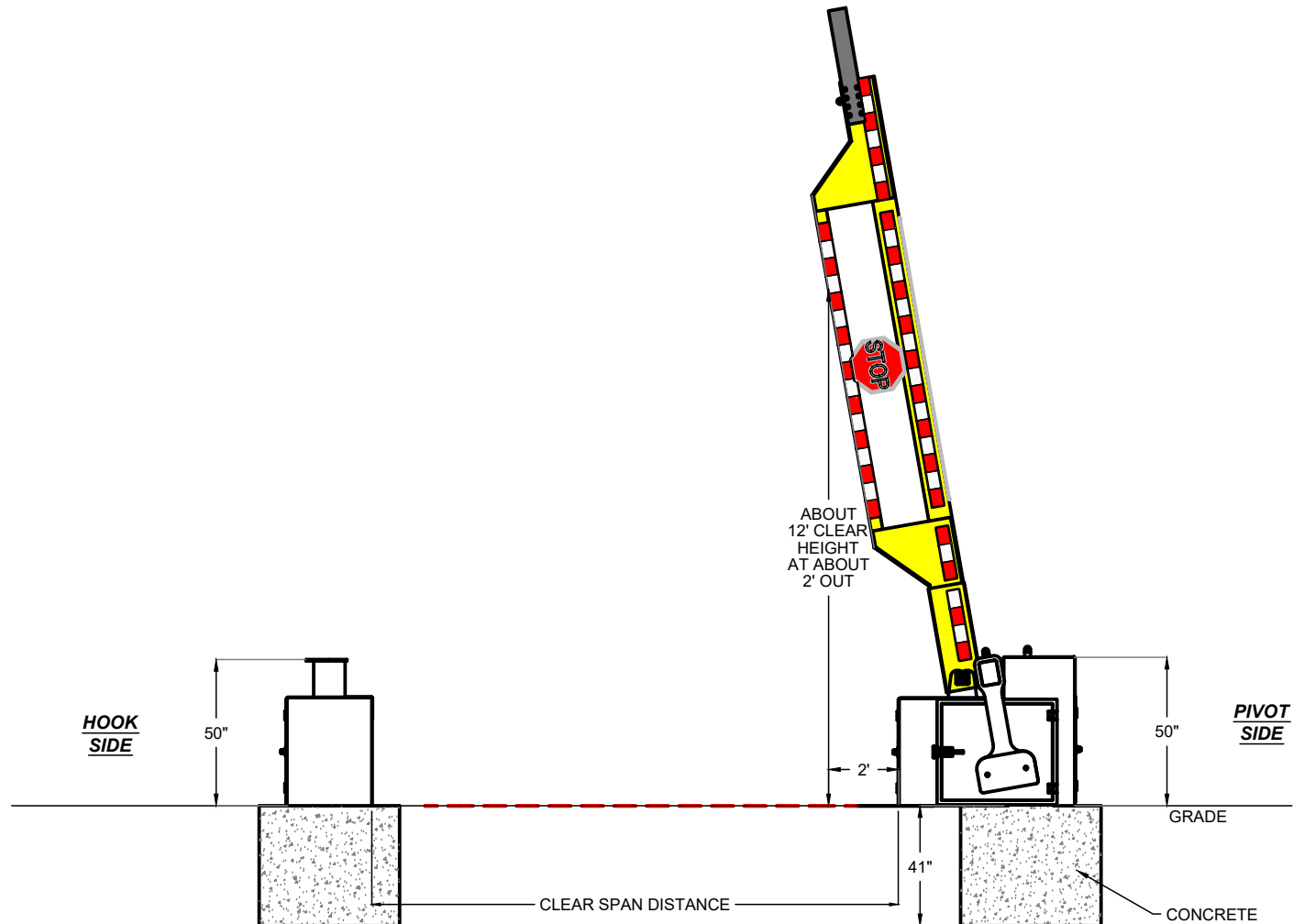
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**ARM OPEN**



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ELECTRICALLY OPERATED  
CRASH BEAM

WEBSITE  
DRAWINGS

SHEET: 3 OF 7

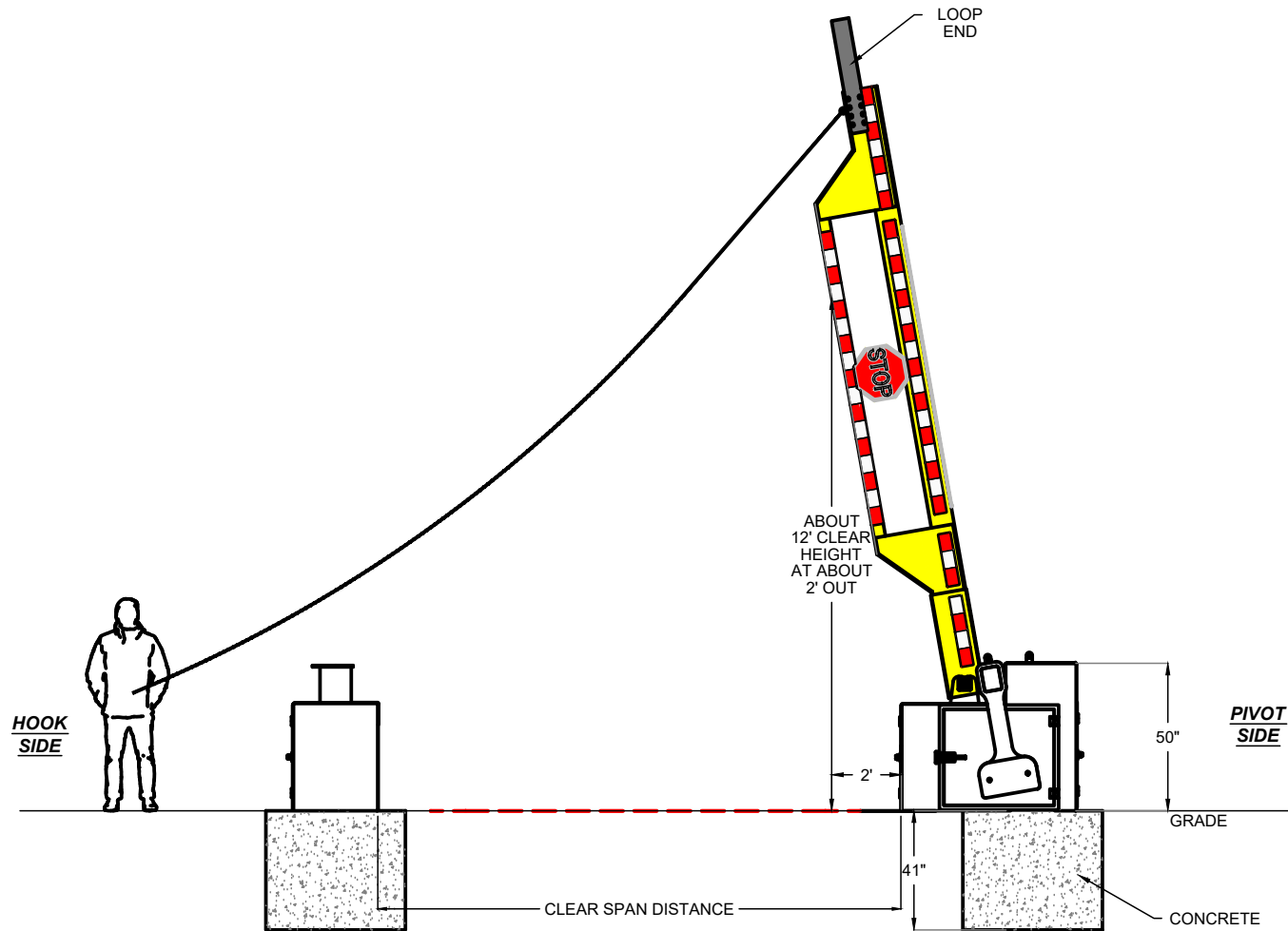
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**MANUAL OPERATIONS**



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SHEET: 4 OF 7

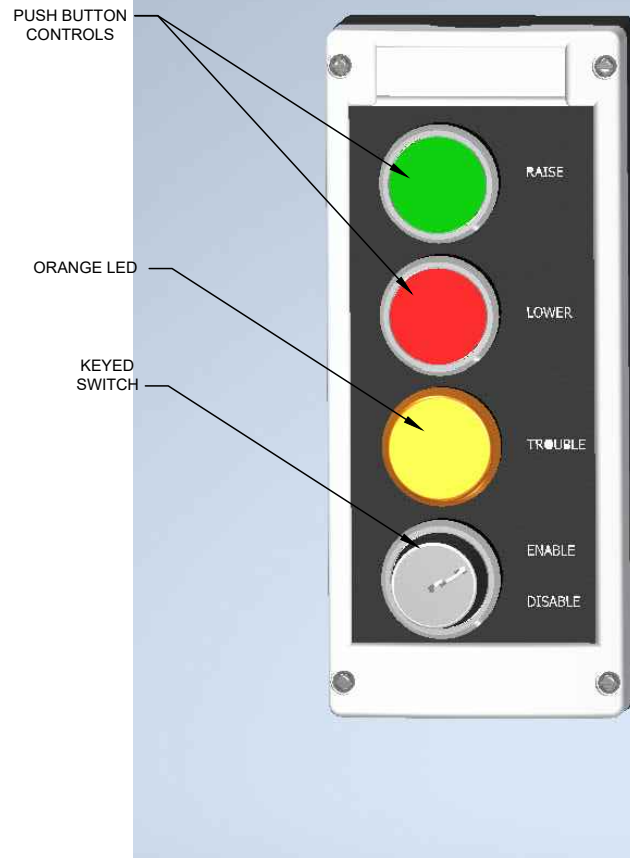
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FOR LOCATIONS WITH 1 BARRIER ARM  
WALL MOUNTED CONTROLLER



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CRASH BEAM

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SHEET: 5 OF 7

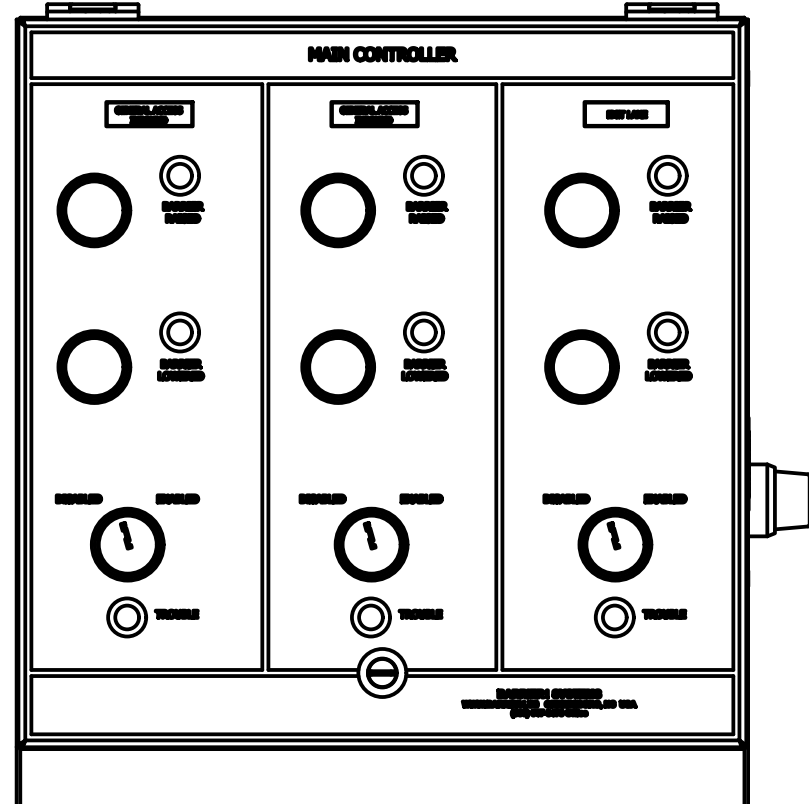
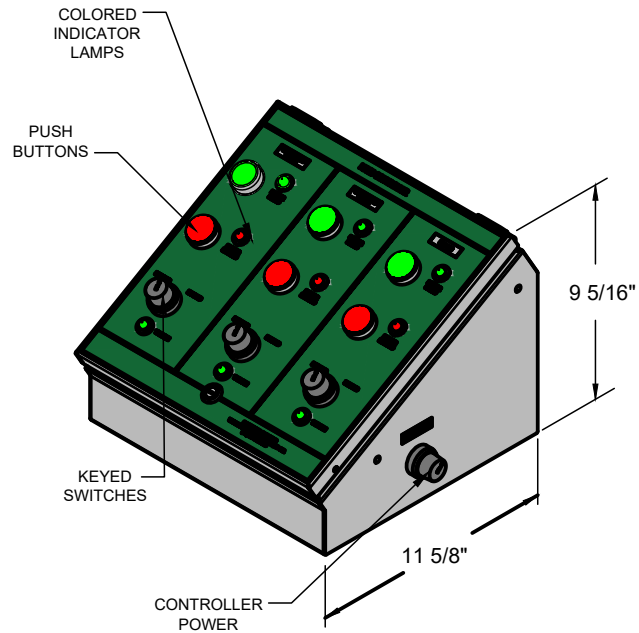
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**SAMPLE CONTROLLER - 3 ARMS**



**BARRIER1 SYSTEMS TO  
 CUSTOMIZE CONTROL PANEL AND  
 ALARMS PER CUSTOMER'S  
 REQUIREMENTS**



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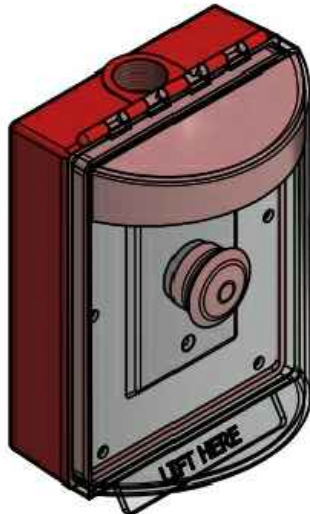
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EMERGENCY FAST OPERATION  
OVERRIDES AND CLOSES ALL BARRIERS

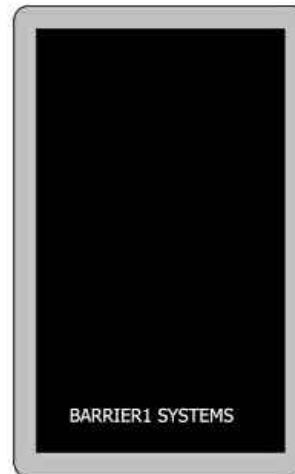
**OPTIONAL ITEMS**

EMERGENCY FAST OPERATION  
OVERRIDES AND CLOSES ALL BARRIERS



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

WIRELESS CONTROLLER OPTION  
USING SMART PHONE



WIRELESS CONTROLLER OPTION  
USING REMOTE CONTROLLER



**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.



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