

AG-SERIES SINGLE TURNSTILE

INSTALLATION MANUAL



UNPACKAGING

VERIFY YOU HAVE ALL PARTS AND HARDWARE LISTED BELOW

- 1.TURNSTILE HEADER AND LOCKING MECHANISM WITH LID
- 2.TURNSTILE ROTOR AND BOTTOM BEARING ASSEMBLY
- 3.TURNSTILE CAGE
- 4.TURNSTILE COMB
- 5.INCLUDED INSTALLATION HARDWARE BOX (SEE HARDWARE CHECKLIST IN BOX)
- 6.TOUCH UP PAINT (POWDER COATED ONLY)

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SHOP: 1-800-590-0464

GENERAL DIMENSIONS

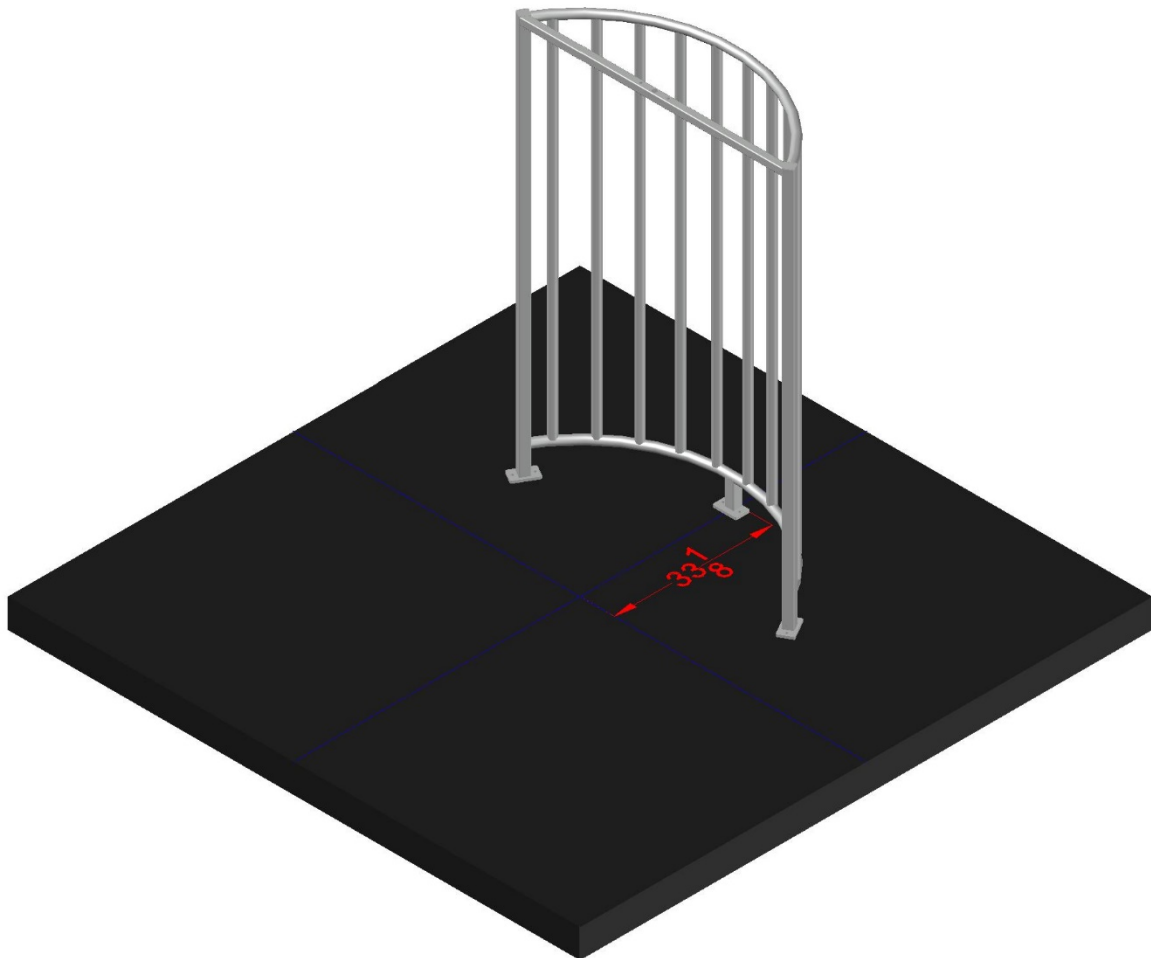
<u>MODEL</u>	<u>OVERALL WIDTH</u>	<u>MIDDLE CAGE TO CENTER</u>	<u>COMB TO CENTER</u>	<u>OUTER CAGE TO CENTER</u>
AG-27-T	60 1/8"	30 1/8"	30"	27 5/8"
AG-30-T	66 1/8"	33 1/8"	33"	30 5/8"
AG-39-T	85 1/8"	42 5/8"	42 1/2"	40 1/8"
AG-48-T	102 5/8"	51 3/8"	51 1/4"	40 7/8"

SINGLE TURNSTILE NOMENCLATURE

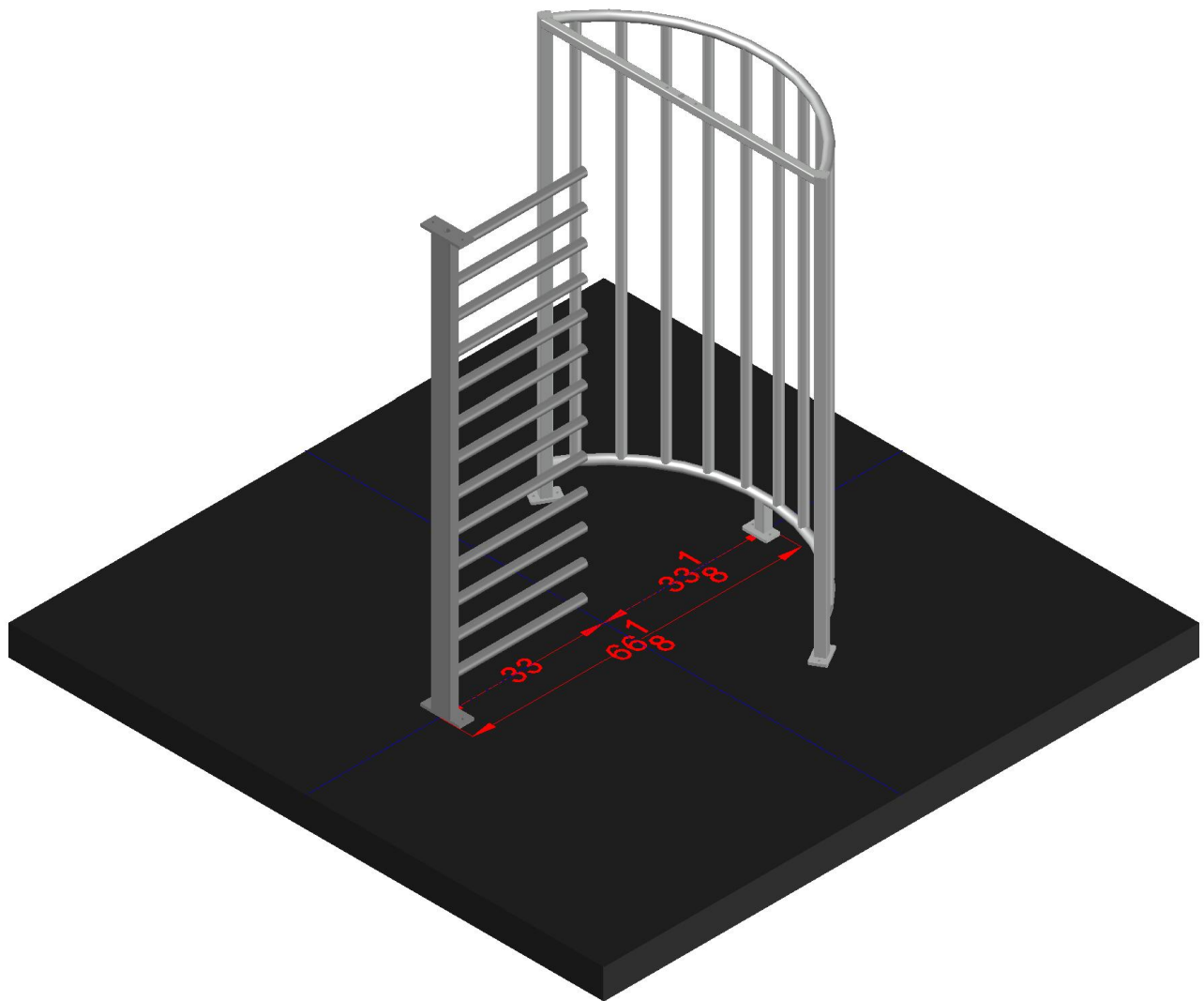
AG	30	T	GV	2E
SERIES	PASSAGE WIDTH IN INCHES 27 30 39 48	T- FOR SINGLE TURNSTILE TT- FOR TANDEM TURNSTILE HHT- HALF HEIGHT TURNSTILE TQH- THREE QUARTER HEIGHT TURNSTILE	GV- GALVANIZED PC- POWDER COATED POG- POWDER COATED OVER GALVANIZED SS- STAINLESS STEEL	2E- 2 WAY ELECTRONIC PASSAGE CONTROL 1E- 1 WAY ELECTRONIC PASSAGE CONTROL M- MECHANICALLY LOCKED ONE DIRECTION, FREE EXIT THE OTHER DIRECTION

INSTALLATION:

1. STARTING WITH A LEVEL CONCRETE SLAB OR EQUIVALENT, BEGIN THE LAYOUT PROCESS BY SNAPPING A CENTER LINE AND A CROSS LINE FOR THE TURNSTILE ENTRANCE. STAND UP THE CAGE ON THE CENTER LINE AND MEASURE THE APPROPRIATE DISTANCE FOR THE MODEL OF TURNSTILE. (SEE GENERAL DIMENSIONS CHART FOR MEASUREMENTS)



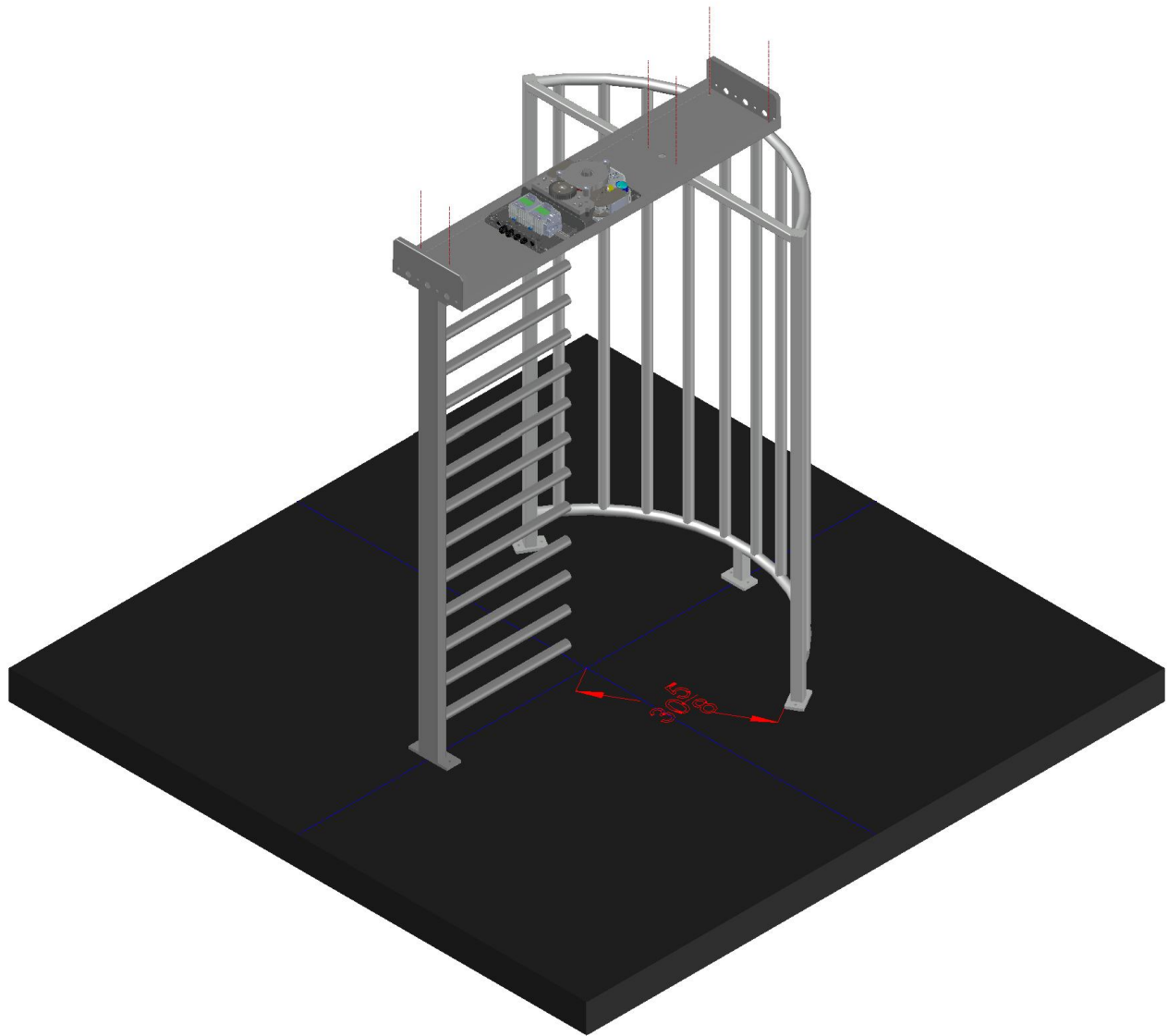
2. POSITION COMB THE PROPER DISTANCE FROM THE CAGE ACCORDING TO THE MODEL OF TURNSTILE YOU HAVE PURCHASED (SEE CHART). FIND SOMETHING APPROXIMATELY 6" TO BLOCK UP COMB.



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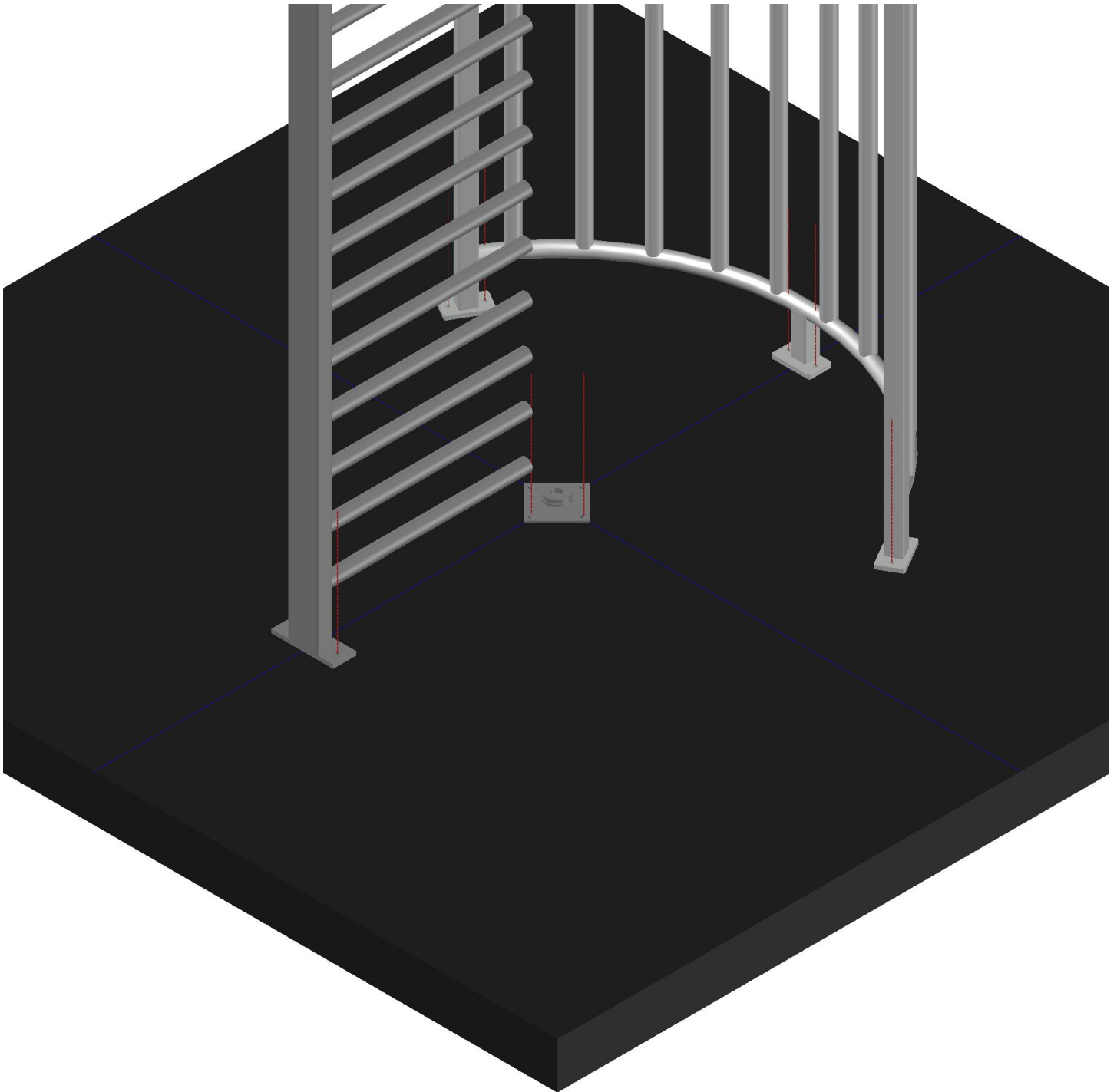
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3. ATTACH HEADER WITH PROVIDED BOLTS BUT DO NOT TIGHTEN.
PUT TOGETHER LOOSE SO IT IS EASY TO MOVE AND ADJUST.

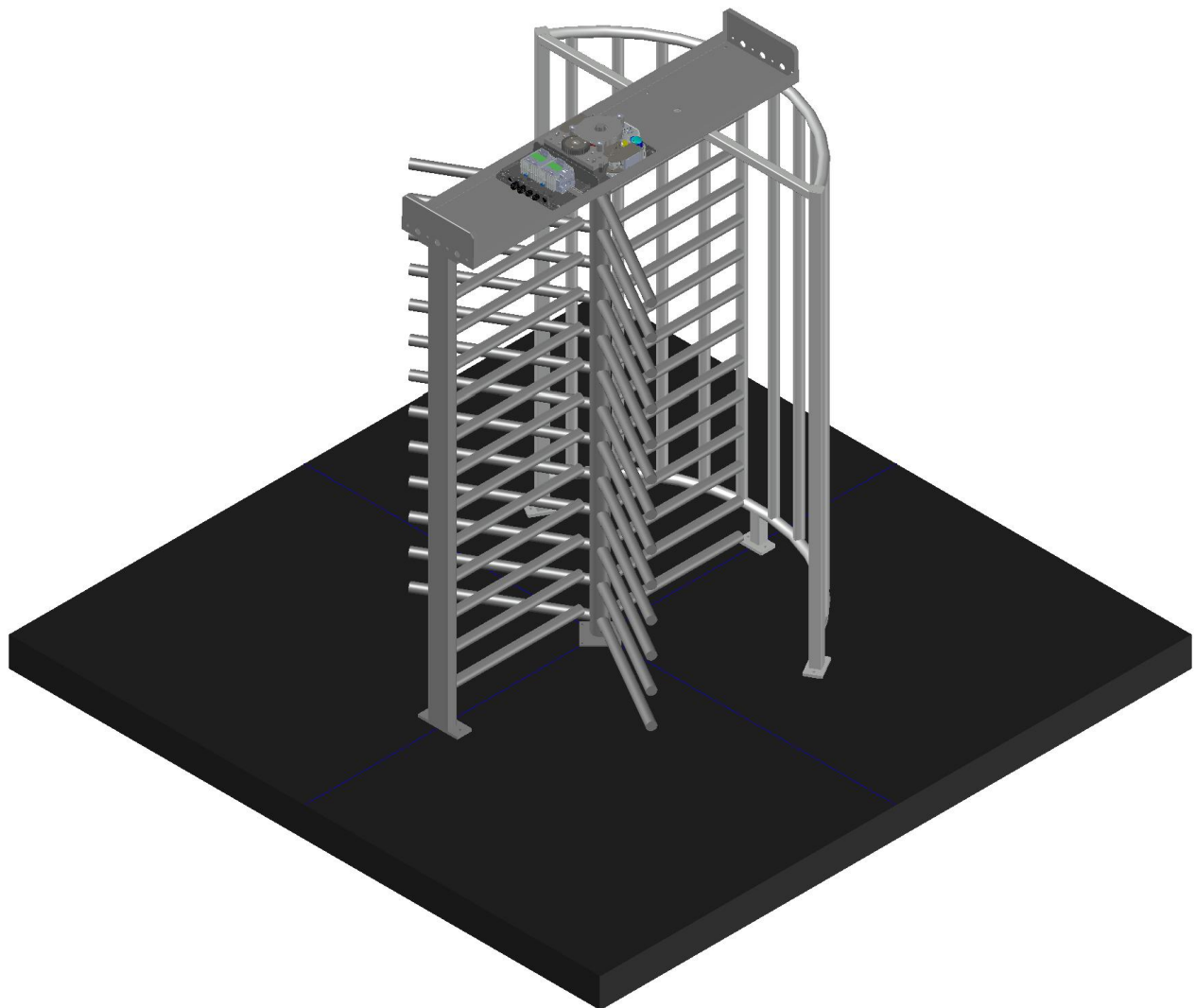


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4. CHECK ALL MEASUREMENTS ACCORDING TO MODEL LAYOUT CHART. ONCE ALIGNED MARK THE GAGE, COMB, AND BOTTOM BEARING ANCHORING HOLES.

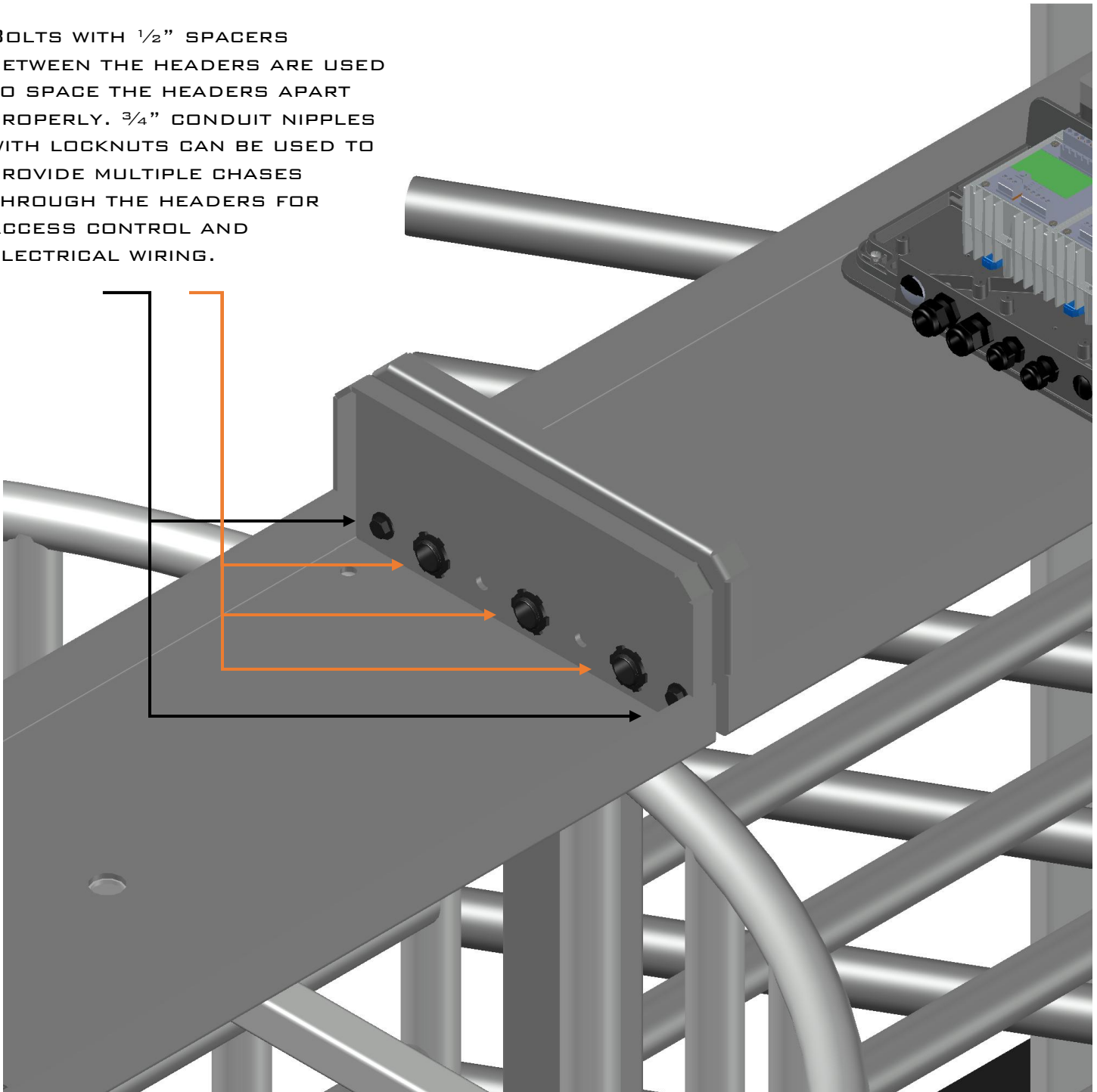


5. MOVE THE TURNSTILE SO YOU CAN ACCESS MARKS AND HAMMER DRILL HOLES FOR ANCHORS. INSTALL ANCHORS AND PLACE THE TURNSTILE ON THE ANCHORS. MAKE SURE TURNSTILE IS LEVEL AND PLUMB, TIGHTEN ANCHORS AND MOUNTING BOLTS.



6. IF YOU HAVE ADDITIONAL OUTLAW TURNSTILES OR ADA GATES THAT GO IN THE ENTRANCE ARRAY, USE THE BOLTS IN THE HARDWARE BOX TO BOLT THEM TOGETHER WITH THE 1/2" SPACERS BETWEEN THE HEADERS.

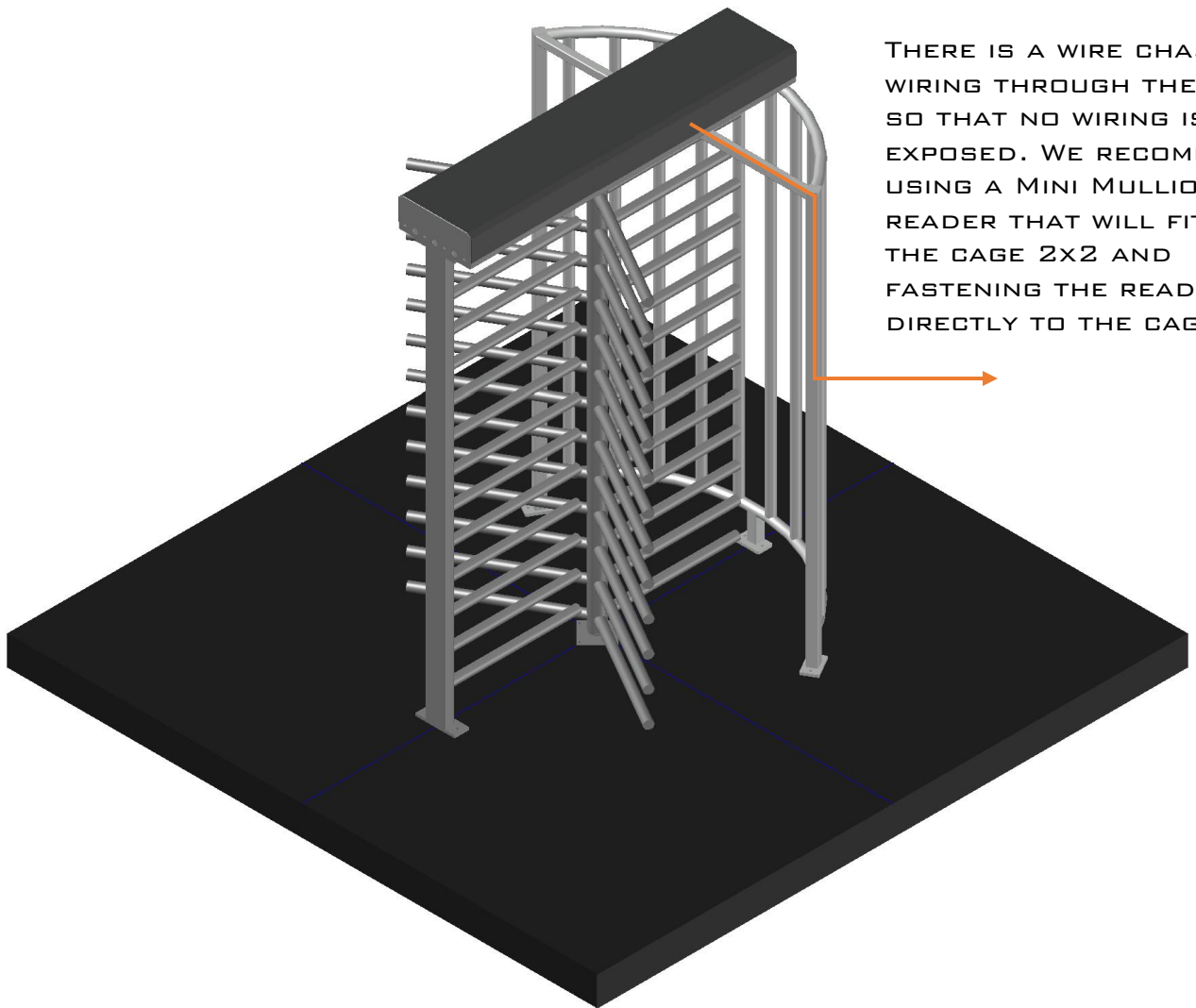
BOLTS WITH 1/2" SPACERS BETWEEN THE HEADERS ARE USED TO SPACE THE HEADERS APART PROPERLY. 3/4" CONDUIT NIPPLES WITH LOCKNUTS CAN BE USED TO PROVIDE MULTIPLE CHASES THROUGH THE HEADERS FOR ACCESS CONTROL AND ELECTRICAL WIRING.



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7. INSTALL THE LID. CONSULT WITH ELECTRICIANS AND ACCESS CONTROL CONTRACTORS TO APPLY POWER AND CONTROL THE TURNSTILE WITH ACCESS CONTROL SYSTEM.



THERE IS A WIRE CHASE FOR WIRING THROUGH THE CAGE SO THAT NO WIRING IS EXPOSED. WE RECOMMEND USING A MINI MULLION READER THAT WILL FIT ON THE CAGE 2X2 AND FASTENING THE READER DIRECTLY TO THE CAGE.

ELECTRICAL REQUIREMENTS

INPUT VOLTAGE	120V (240V SPECIAL ORDER)
FREQUENCY	50/60 HZ
AMPERAGE DRAW	.5 - 1 AMPS (UNLESS ENCLOSURE HEATER IS ADDED = +5 AMPS)
OPERATING TEMPERATURE	-40 °F - 120 °F

ACCESS CONTROL REQUIREMENTS

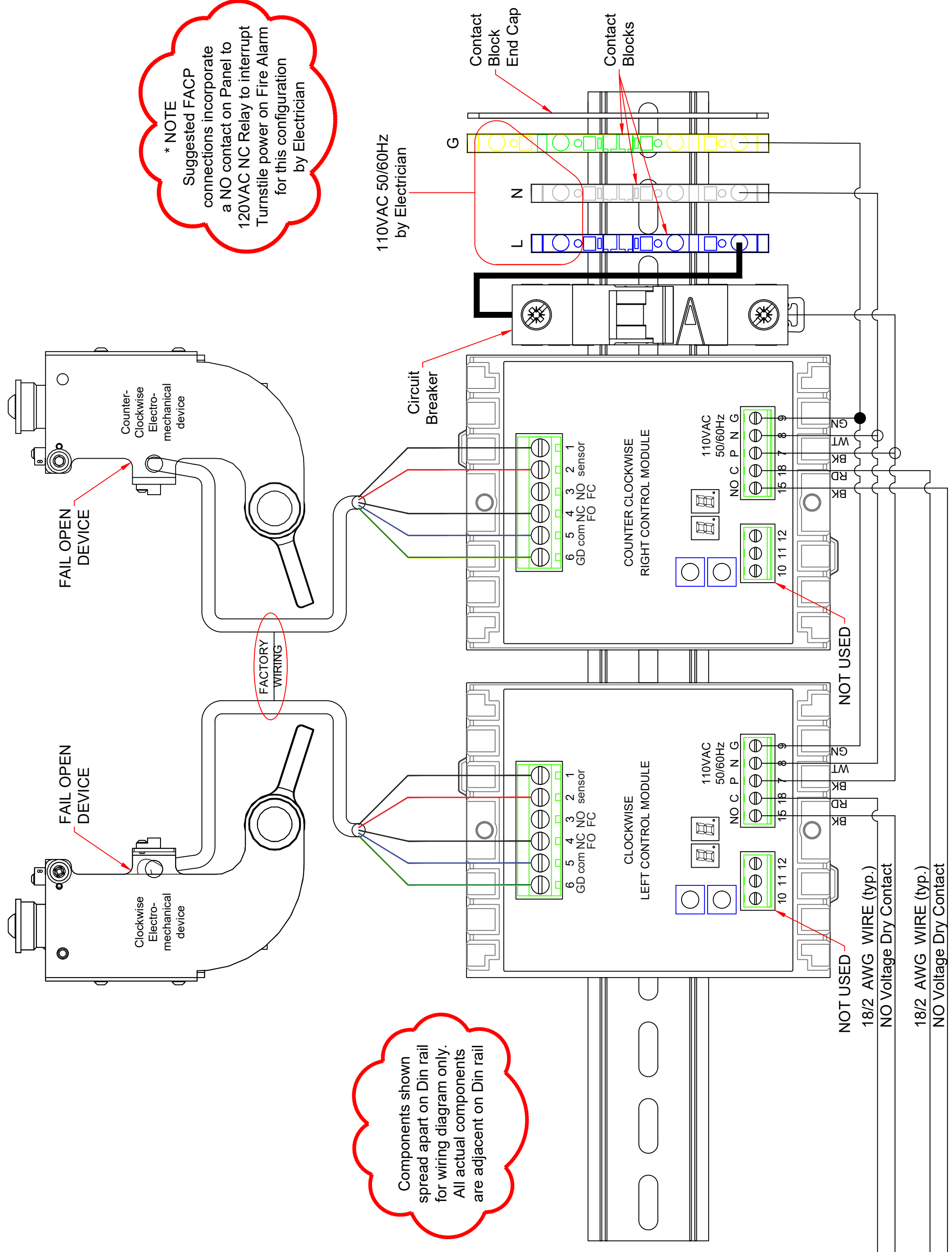
INPUT TRIGGER	NORMALLY OPEN DRY CONTACT / NO VOLTAGE
MINIMUM TRIGGER PULSE	1 SECOND
RECOMMENDED WIRE SIZE	18G 18/4
FIRE RELEASE	FIRE RELAY REMOVES POWER FROM TURNSTILE IN CASE OF EMERGENCY (TURNSTILE MUST BE CONFIGURED WITH FAIL OPEN SOLENOIDS TO ACHIEVE THIS)

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WIRING SCHEMATIC

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* NOTE
Suggested FACP connections incorporate a NO contact on Panel to 120VAC NC Relay to interrupt Turnstile power on Fire Alarm for this configuration by Electrician

Components shown spread apart on Din rail for wiring diagram only. All actual components are adjacent on Din rail

DIRECTION 2 N. O. ACCESS CONTROL COM
DIRECTION 1 N. O. ACCESS CONTROL COM



OUTLAW INDUSTRIES "LLC"
WWW.ARMAGEDDONGATES.COM
TOLL FREE: 1-800-590-0464
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DWG: AG-SERIES WIRING SHEM NO COUNTER
DATE: 01/01/2020
REV: 1
DRAWN BY: JESSE JAMES MOSES JR

4

3

2

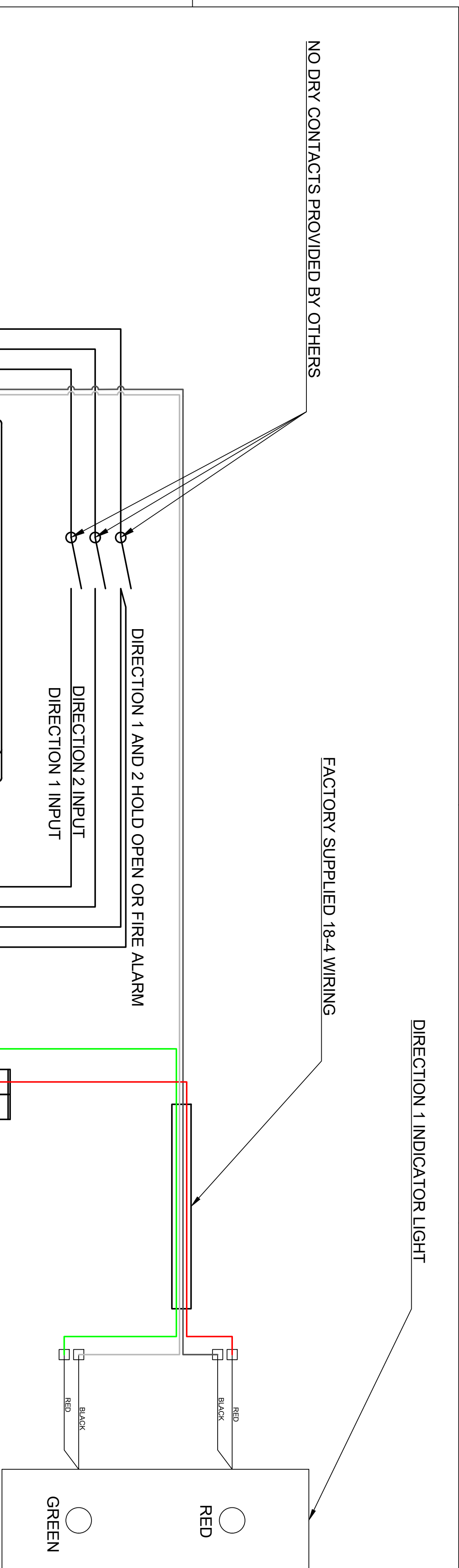
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D

NO DRY CONTACTS PROVIDED BY OTHERS

FACTORY SUPPLIED 18-4 WIRING

DIRECTION 1 INDICATOR LIGHT



DIRECTION 1 AND 2 HOLD OPEN OR FIRE ALARM

DIRECTION 2 INPUT

DIRECTION 1 INPUT

C

B

A

110V
2A
16A WITH COLD WEATHER PACKAGE

4

3

2

1

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 * Field measurement may vary



PROJECT
LOGIC CONTROLLER WIRING
 TITLE
LOGIC CONTROLLER FOR FULL HEIGHT TURNSTILES RELAY VERSION

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	C			
DRAWN	Jesse Moses	5/25/2021	SCALE 1:1	SHEET 1/1

AG-SERIES SINGLE TURNSTILE

PARTS LIST



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Turnstile Parts

Fail Open Module

Part# AG-FO1



Fail Close Module

Part# AGFC-2



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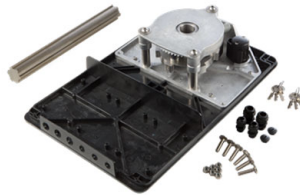
Hydraulic Damper

Part#AG-DM3



Base Mechanism

Part# AG-BM3



Bottom Bearing

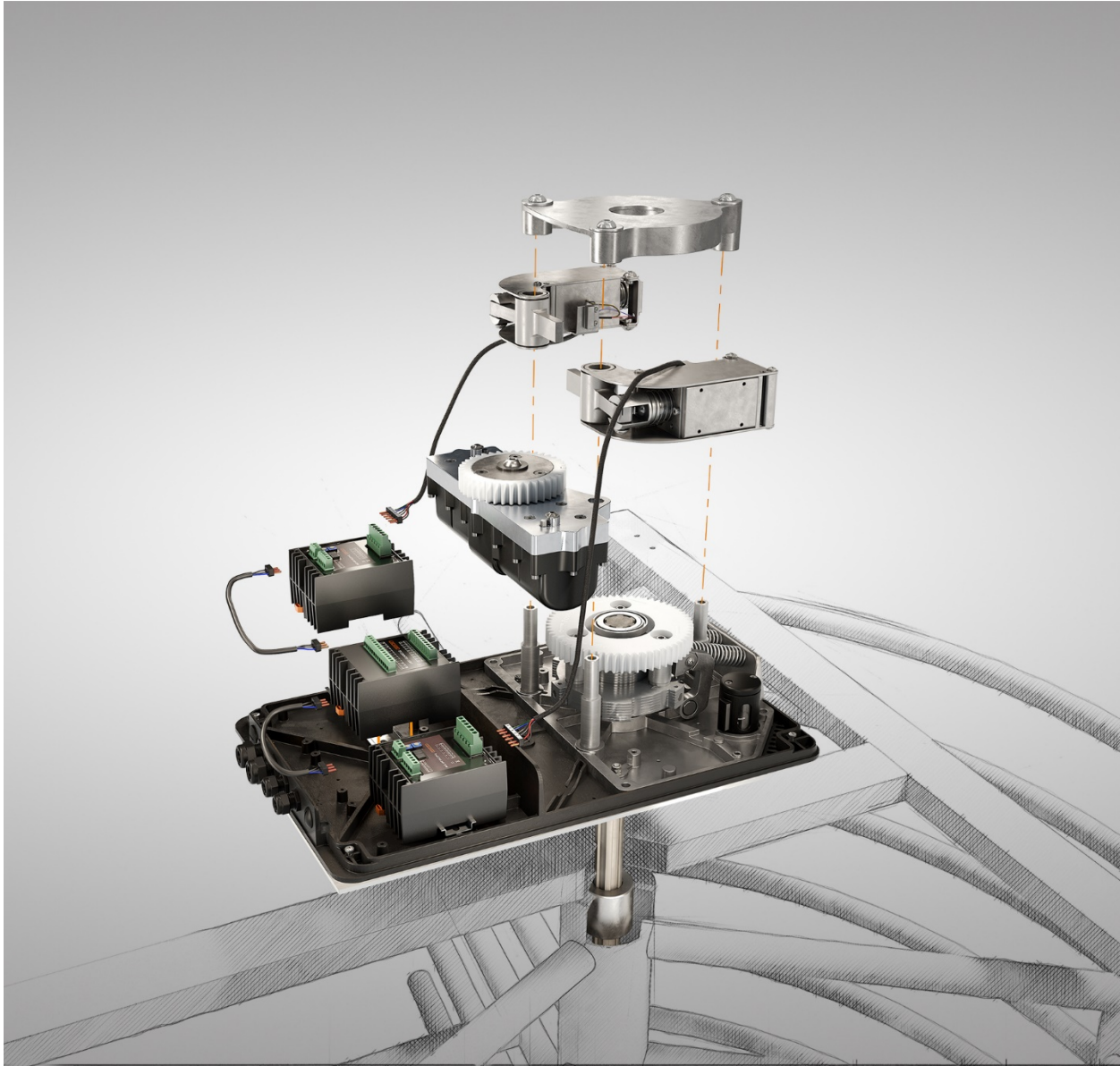
Part# AG-BCC



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Exploded View



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OUTLAW INDUSTRIES

01/01/2020

OUTLAW AG SERIES TURNSTILES

3475 South Calhan Hwy. Calhan Colorado 80808 PH. 1-800-590-0464

Maintenance For the AG Series Turnstiles

- Annually
 - Remove The lid from the header
 - Clean out the header of dust and debris
 - Take out center shaft by lifting it out of the top of the locking mechanism (you may need a pair of channel locks to grip the shaft).
 - Add grease when reinserting the shaft, for ease of future maintance.
 - Lift the center rotor off of the bearing, inspect bearing, regrease with red grease or replace if necessary. Make sure that the rotor is oriented properly with the arms facing the middle / center of the cage. If replacement is necessary the bottom bearing part number AGRB10
 - Test electrical function by triggering turnstile to unlock in each direction
 - Shut off the equipment breaker in the header of the turnstile, make sure that fail-open and fail-close are functionaly properly.
 - If your turnstile is equipped with lights, verify that all directional lights are working properly, replace bulbs or module as necessary

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