



BAKERSFIELD CITY SCHOOL DISTRICT

MAINTENANCE, OPERATIONS & FACILITIES

1501 FELIZ DRIVE

BAKERSFIELD, CALIFORNIA 93307

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1300 Baker Street

Bakersfield, CA 93305

Office: (661) 631-4600

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January 25, 2023

To: All interested Bidders

Re: Project #22244.00-73-MD: Installation of concrete masonry walls, iron fencing and operable access gates at the perimeter of the District's Maintenance and Transportation yard

ADDENDUM 2:

Contract Documents and addenda are available for review at the District Facilities Office or documents can be downloaded from the following website link:

<http://mot.bcscd.com/Construction%20Consultants/MOT%20Yard%20-%20Perimeter%20Wall%20and%20Iron%20Fencing/>

1. Construction shall be performed in four phases. See attached overall site plan for phasing locations. Construction days shall be revised to 222 calendar days based on the following schedule;
 - Phase 1 – Begin on or before March 27, 2023. Phase to be complete on or before May 19, 2023.
 - Phase 2 – Begin on or before May 22, 2023. Phase to be complete on or before July 28, 2023.
 - Phase 3 – Begin on or before July 31, 2023. Phase to be complete on or before September 15, 2023.
 - Phase 4a and 4b – Begin on or before September 18, 2023. Phase to be complete on or before November 11, 2023.
2. Perimeter existing chain link fencing to be removed prior to beginning each phase of construction. All poles/footings, fence rails, chain link fabric and all appurtenances related to the existing chain link fencing to be demolished/removed and properly discarded. The exception to this item is the existing privacy chain link fence fabric installed at phase 4b. This fabric to be salvaged and returned to the district in good condition.
3. All off-site permits required shall be secured by contractors per note 3 on sheet 2 of the drawings.
4. Area south of west exit gate within Phase 4b section shall be ornamental iron fencing in lieu of CMU construction as indicated. Detail for fencing shall be per

detail a on sheet 7. Fence construction shall be ¼” thick solid panel in lieu of pickets as noted on detail.

5. There is 6-8 inch diameter tree that has grown within the chain link fencing; approximately 25’ feet tall, and approximately 200’ east of MLK Blvd. that will need to be completely removed. See attached picture.
6. Small sump area located on KCSOS property within Phases 1 and 2 will need large gravel raked back to V gutter prior to wall construction. Screen material to be placed on drain in order to avoid clogging drain during construction. After wall is completed in this area, contractors will be required to re-grade to slope/backfill area from wall to V gutter with weed barrier and similar large gravel top fill a minimum of 2 inches. **No import of soil is allowed.** See attached picture.
7. Areas of footing excavation may have hard pan soil approximately 2-4 feet below top of grade.
8. 3” diameter x 12” long sleeves with fence caps to be installed at top of walls at 32” o/c (locations of masonry cells to be grouted) for future installation of razor wire assembly. Imbed 6” into new wall.
9. The southeast on-site sump within phase 2 work will need the following existing fencing removed prior to wall construction; entire east side, 15’ portions of north and south side fence to be rolled back for future re-installation by district after new wall construction is completed.
10. All stall parking bumpers and signage mounted on existing chain link fencing will be removed prior to beginning of wall construction. Re-installation to be completed by District after wall construction.
11. Refer to detail A on sheet 7. Revise the following iron fence material items. Terminal post to be revised to 4”x4”x3/16”. Line posts to be revised to 3”x3”x3/16”. Pickets to be revised to 1”x1”x14 ga. Top fence panel rails to be 2”x3”x3/16”. Bottom fence panel rails to be 2”x4”x3/16”.
12. Add sheets Ad-2, pages 1 through 3 for clarifications on electric gate openers, iron fencing and gate plans/details.
13. New electric gate openers to be provided and installed by iron fencing contract. District will contract with other vendors for final electrical, drive sensor connections and adjustments.

The following items are recent RFI questions. Responses in red.

- Q1. Will the district be performing the surveying or does each of the two bid packages have to perform their own surveying? It would be most cost effective for the district to survey all of this work. **Answer. District will contract with Civil Engineer of record (Porter & Associates) to perform this service.**
- Q2. Will the district provide temporary fencing or does each of the two bid packages have to provide temporary fencing for their areas of work? The new block wall is generally 6” from the existing fence and the new block wall footings extend 6” from the block wall so the existing fence cannot remain during construction as the existing fence posts will interfere with the new block wall footing. Also, the existing fence is too close to the block wall to be able to construct the block wall. Consequently, the existing fence cannot be used as a construction fence. It would be best for the district to provide temporary fencing for the entire project. **Answer. Each contractor will be responsible for providing temp fencing relating to each bid package for site placement and relocation for planned phases of wall**

construction. KCSOS will allow up to 5' encroachment on their property during phases 1 and 2 construction. County of Kern is allowing placement on their property on the northerly side of the north parking spots during phase 3 construction. Contractors will be responsible for secure and safe placement on adjacent properties, maintain security and coverage if theft of fencing occurs.

- Q3. Will the district provide construction water? **Answer. Yes, on-site water is available for use.**
- Q4. Will the district provide and remove a concrete wash-out or does each bid package have to provide and remove their own wash-out? **Answer. Each contractor will be responsible for wash out hopper/bin container adjacent to each phase of construction. Removal of debris will be required soon after each phase of wall footing construction.**
- Q5. Will the district provide restroom and handwashing facilities or does each bid package have to provide their own? **Contractors will be required to provide and maintain temp handwash and restrooms.**
- Q6. Can all of the demolition and construction work be done in one mobilization or does this project have to be done in phases? **Work will be performed in phases in order to keep site as secure as possible from theft and vandals during construction and avoid extensive temp fencing. A phasing schedule is attached.**
- Q7. Can the footing spoils be left somewhere on site or do they need to be hauled off? **There is a dirt area south of the sump in the southeast corner of the MOT facility that is available for temp placement of debris. See attached overall site plan for phasing and debris placement location. Removal of all debris will be required after each phase of wall construction.**
- Q8. As the south end of the project the community service center has bushes pushing into the fence. These bushes will be right on the edge of the new block wall footings and only 6" from the block wall so they will need to be cut back or possibly removed in order to perform the construction as shown on the plans. Since these bushes are on another property but interfering with this project, does the block wall package have to include cutting these bushes back or will the district or community service center cut them back. **Answer. Kern County will trim back bushes within reason to keep plants from dying. Some areas could have roots that will need to be removed if it interrupts footing placement. District will replace bushes if reasonable construction activity requires removal.**
- Q9. Item 7 on page 2 mentions expansion joints. Will these joints need to be caulked? **Answer. No. Intent is to leave them open.**
- Q10. Will any of the block wall require a sealer or graffiti coating? For example, the block wall along MLK will likely get tagged so perhaps it should have an anti-graffiti coating. **No sealer or graffiti coating is required.**
- Q11. Note 1 on Sheet 2 requires the block wall package to include clear and grub which would include removal of existing concrete and asphalt which occurs along nearly all of the block wall on the MOT side and some locations on the other

side. However, the plans do not mention patching of any existing surfaces that are removed. Will the block wall package have to patch asphalt or concrete that is removed to perform this work? **Answer. Yes. Adjacent surfaces will need to be cut back as required for contracted work to occur. Patch back of remaining areas after concrete footing will be asphalt for most of the areas. The exception to this is for the back easterly dirt areas north and south of the district on-site sump; this area will remain earth. The other exceptions are the existing curb/gutter and V gutter locations within Phase 3 and phase 4a. These areas are planned to be demolished and replaced in the same locations. Clarification details for these areas will be issued under subsequent addenda.**

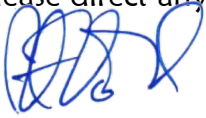
- Q12. Assuming Item 11 above is yes can the concrete that needs to be removed be sawcut right along the edge of the footing or does it need to have to go back to the nearest construction joint which along one area of MLK is about 10' away. **Sawcut can be at the edge of the new footing providing that footing can be properly constructed as detailed within the plans/bid documents.**
- Q13. Please provide the thickness of the existing asphalt and base section that needs to be cleared and grubbed per Note 1 on Sheet 2. This occurs along much of the block wall areas. **Answer. Assume existing asphalt thickness to be a minimum of 6".**
- Q14. Please provide the thickness of the existing concrete section that needs to be cleared and grubbed per Note 1 on Sheet 2. This occurs along the north block wall section along MLK where it appears a relatively new slab has been poured. If Item 11 above is yes please advise if the patch will require rebar, etc. **This area is approximately 6" thick with #3 rebar at 16" ocev. The curb and some of this flatwork will need to be sawcut and removed to accommodate wall footing installation. Concrete patch back will be required on City and BCSD sides unless the plan is to sawcut at footing edges. Just plan to match adjacent surfaces level. Use #4x8" dowels at 32" oc for patch back on BCSD side.**
- Q15. There is an electrical conduit attached to the fence along the south wall next to the community services site. Please advise if this conduit can be removed. If not and it has to be reinstalled please advise where it comes from, goes to, wires that need to be reinstalled, etc. **Answer. The abandoned conduit will be removed by the district prior to contractor beginning this phase of the work. See attached pictures.**

Please date, sign and return this Addenda 2 acknowledgement to me at the e-mail indicated below

Date Print Name Signature

Print Company Name

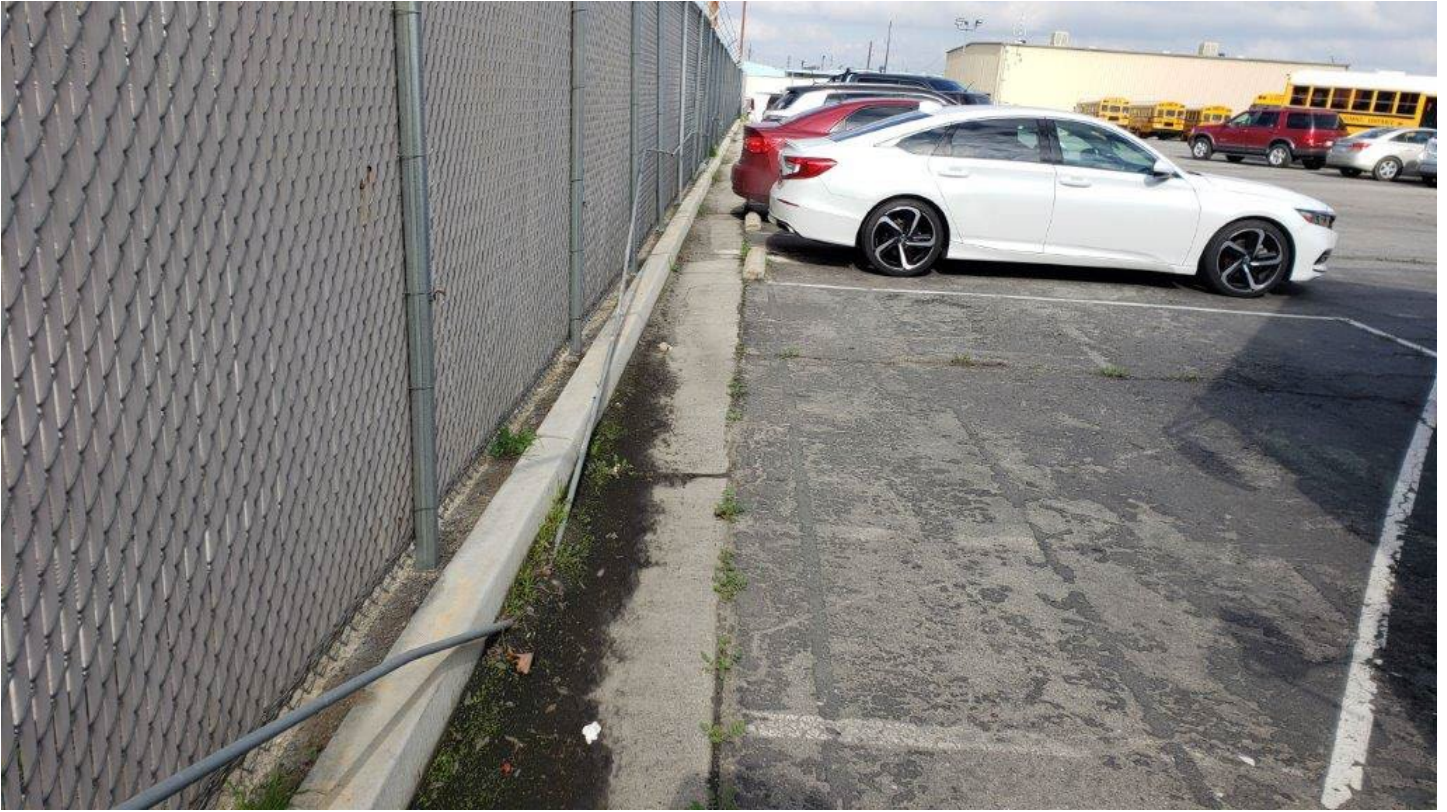
Please direct any questions to me at 661-631-5883



Robert Van Tassel
Supervisor – School Planning & Construction
vantasselr@bczd.com



Conduits to be removed by the district.



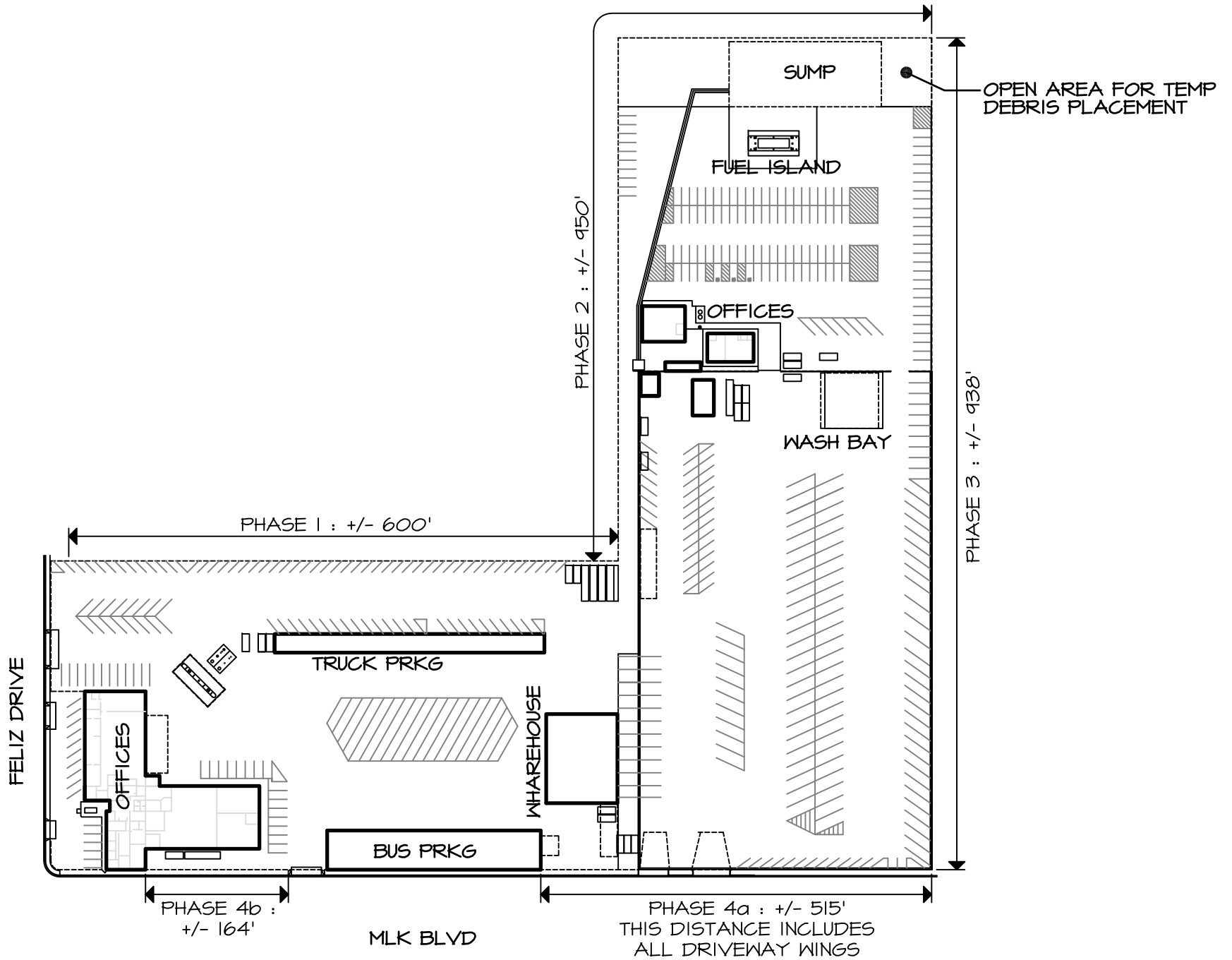
Conduits to be removed by the district.



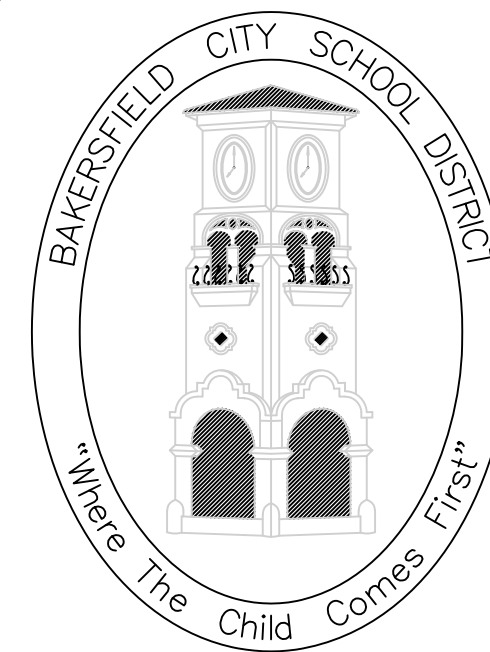
Tree within chain link fencing to be removed by contractors.



KCSOS sump requiring re-grading, rock and weed barrier.



MOT YARD - OVERALL SITE PLAN
PHASING PLAN , 1-25-23



BAKERSFIELD CITY SCHOOL DISTRICT

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MAINTENANCE and OPERATIONS DEPARTMENT

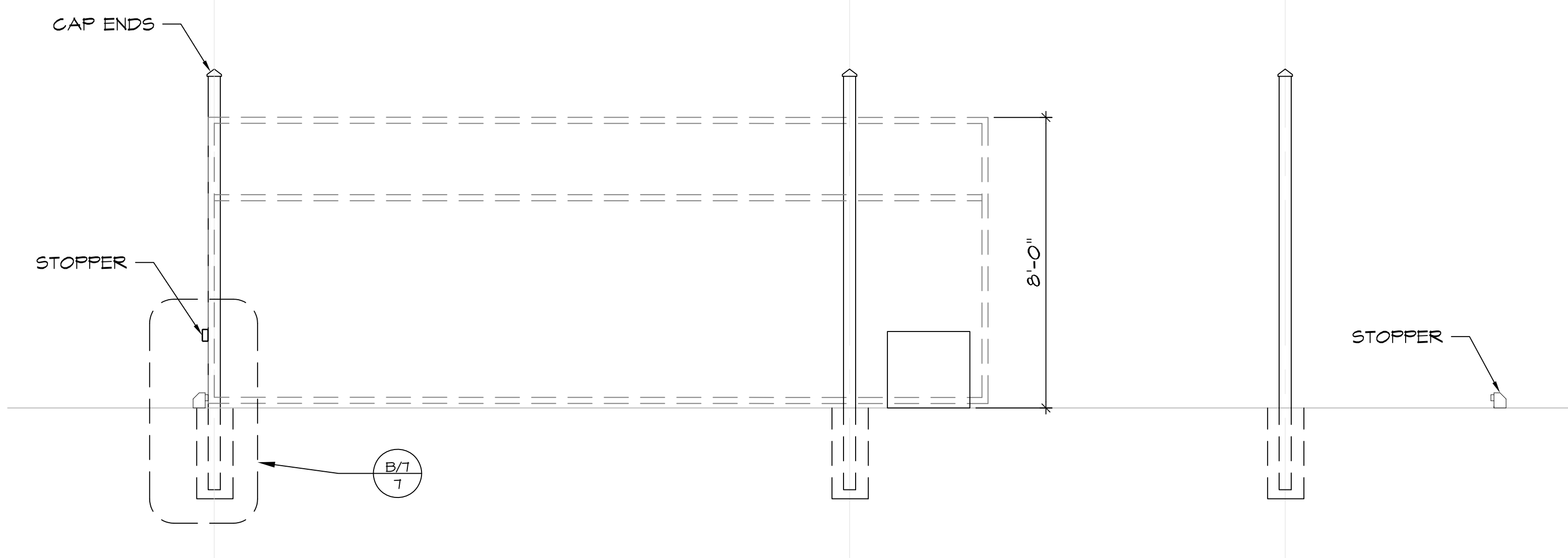
1501 FELIZ DRIVE
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ORNAMENTAL IRON GATE AND FENCING

DETAILS

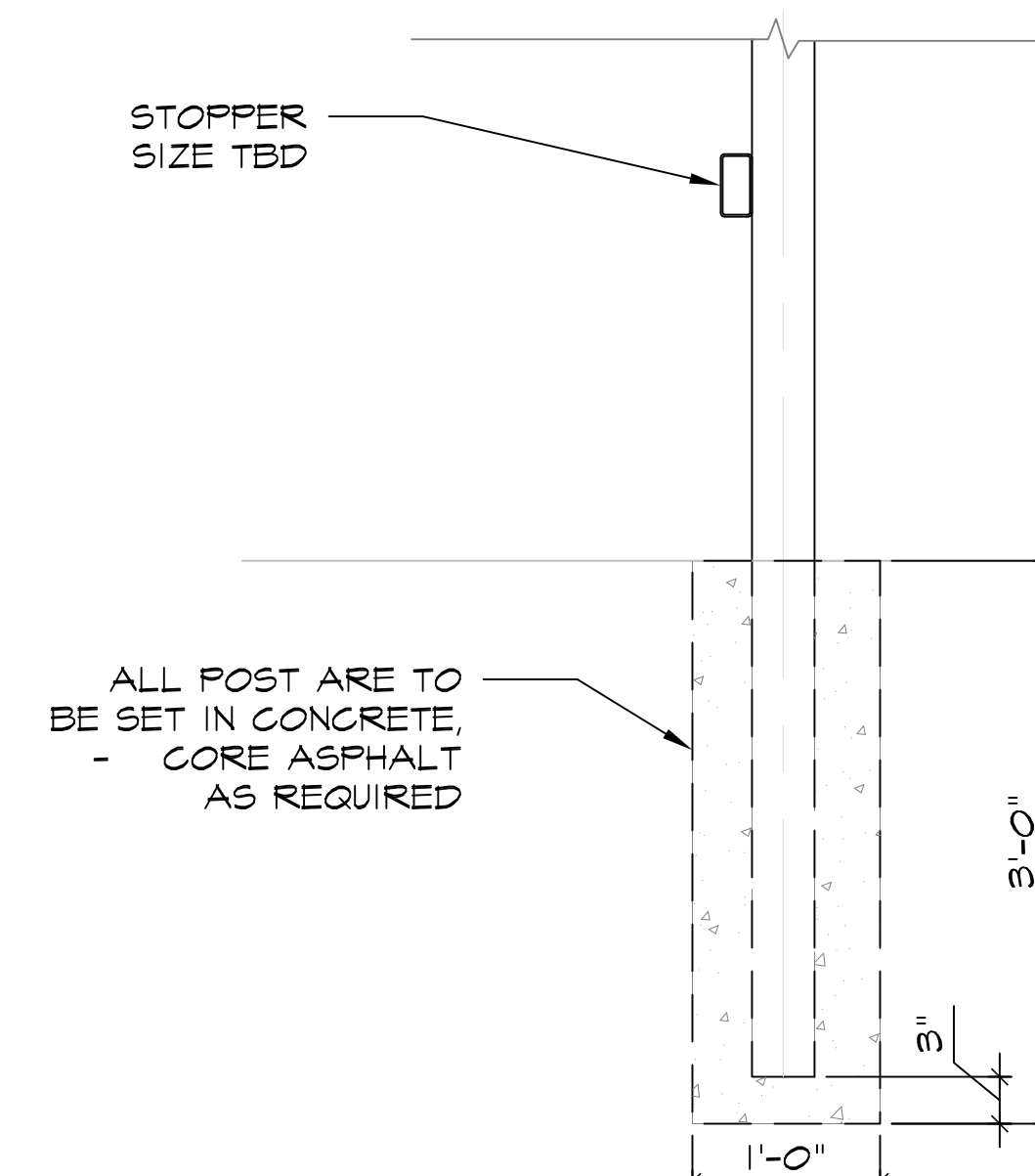
AD-2

2



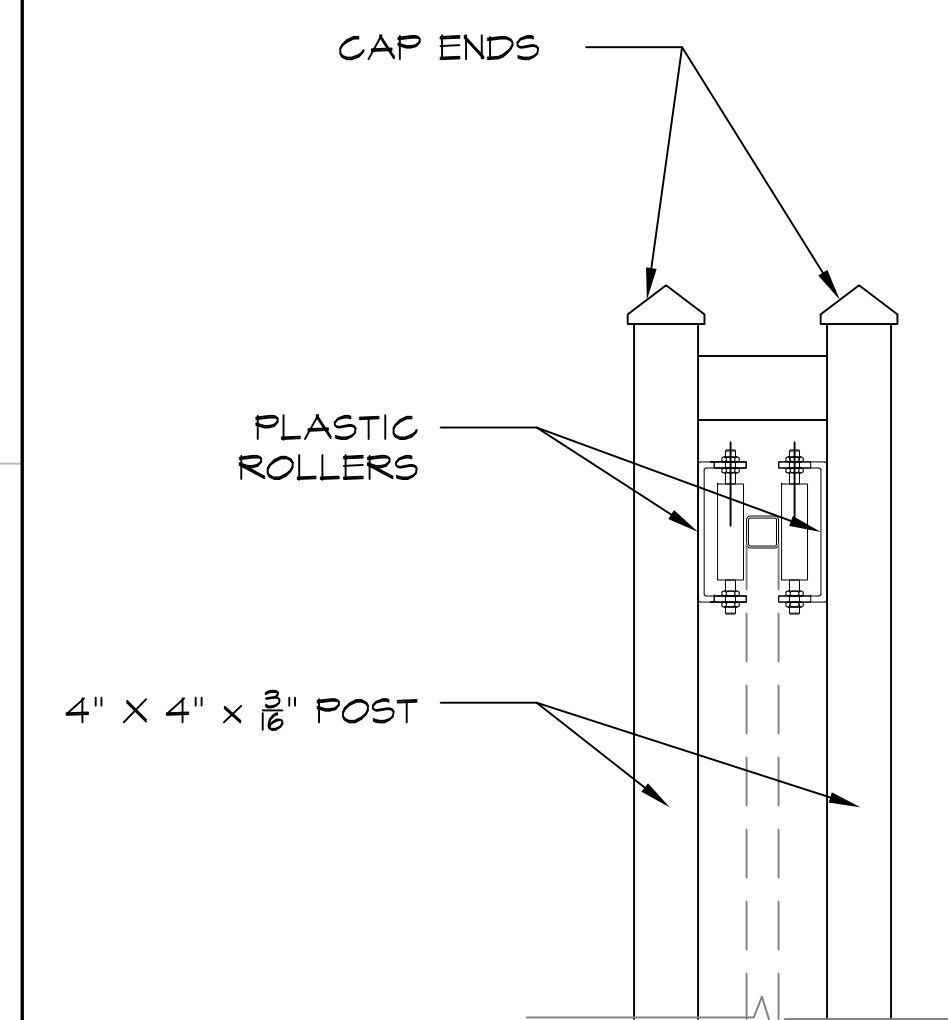
1 SUPPORT POST ELEVATION

SCALE: 3/8" = 1'-0"



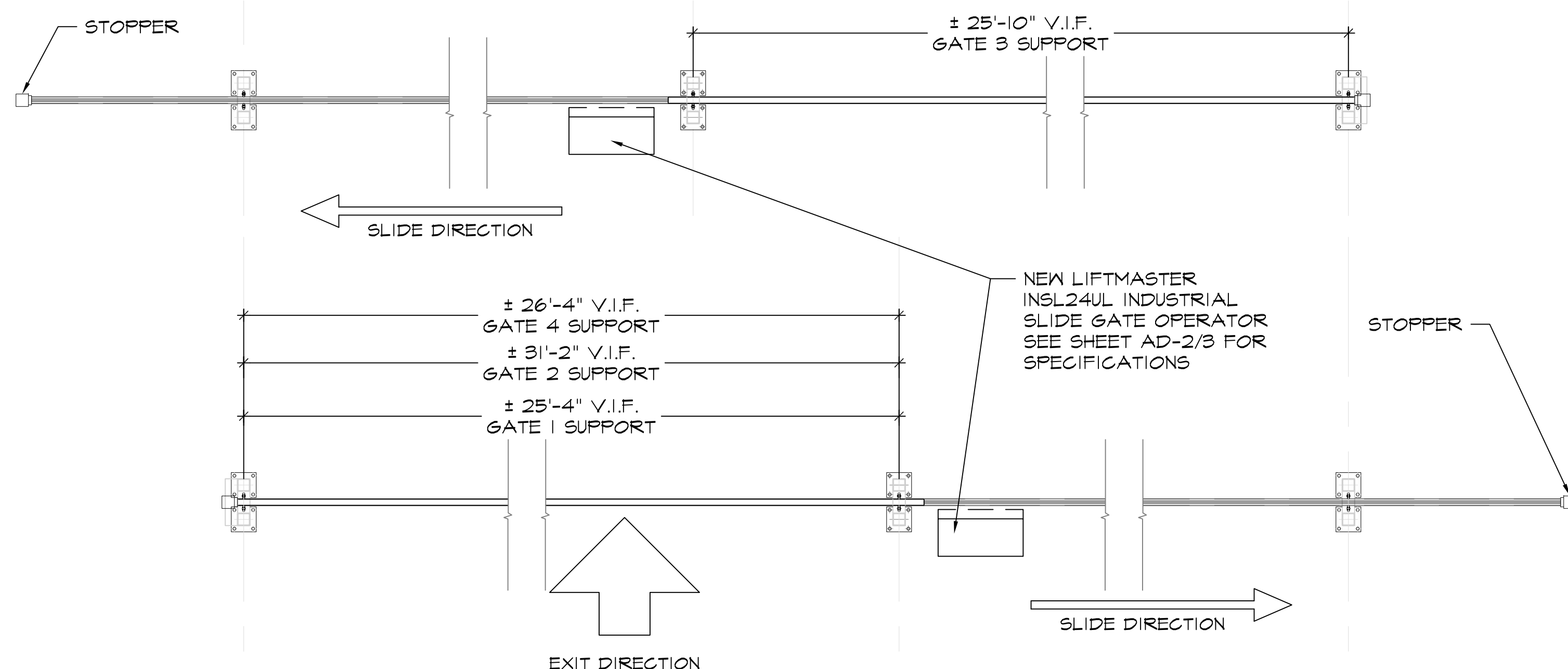
2 FOOTING DETAIL

SCALE: 1" = 1'-0"



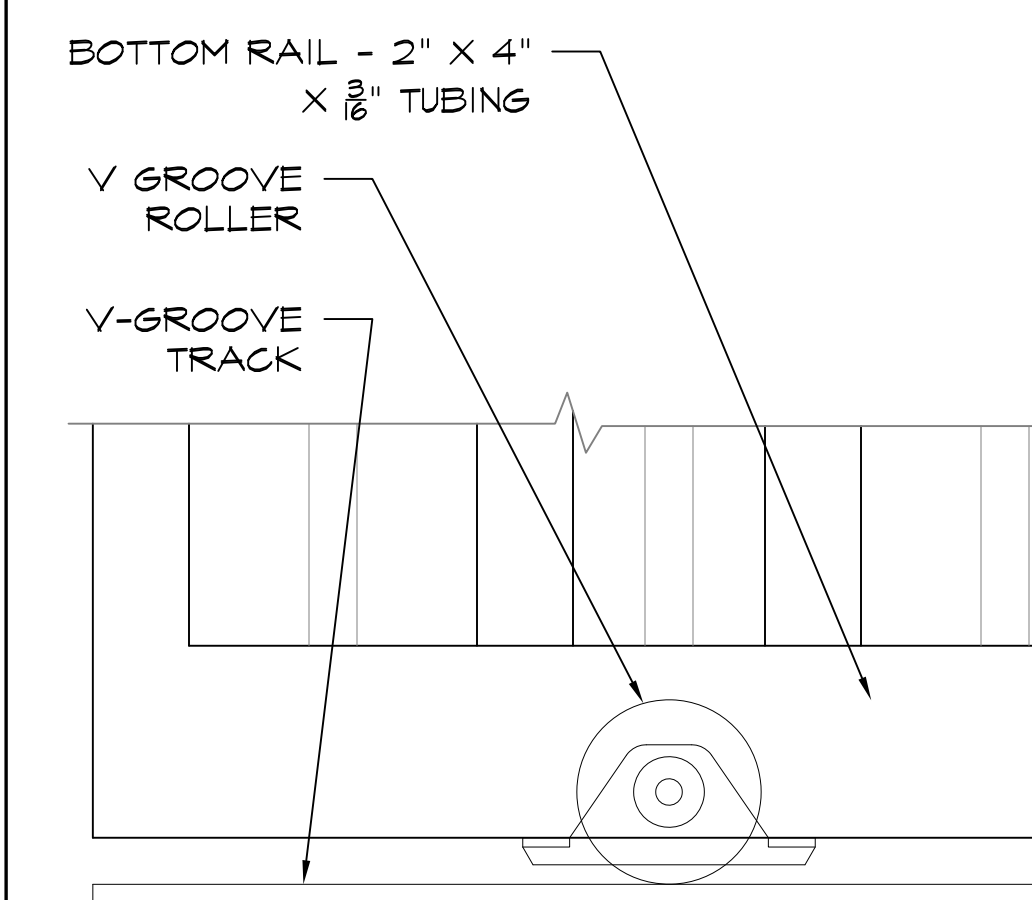
3 ROLLER DETAIL

SCALE: 1" = 1'-0"



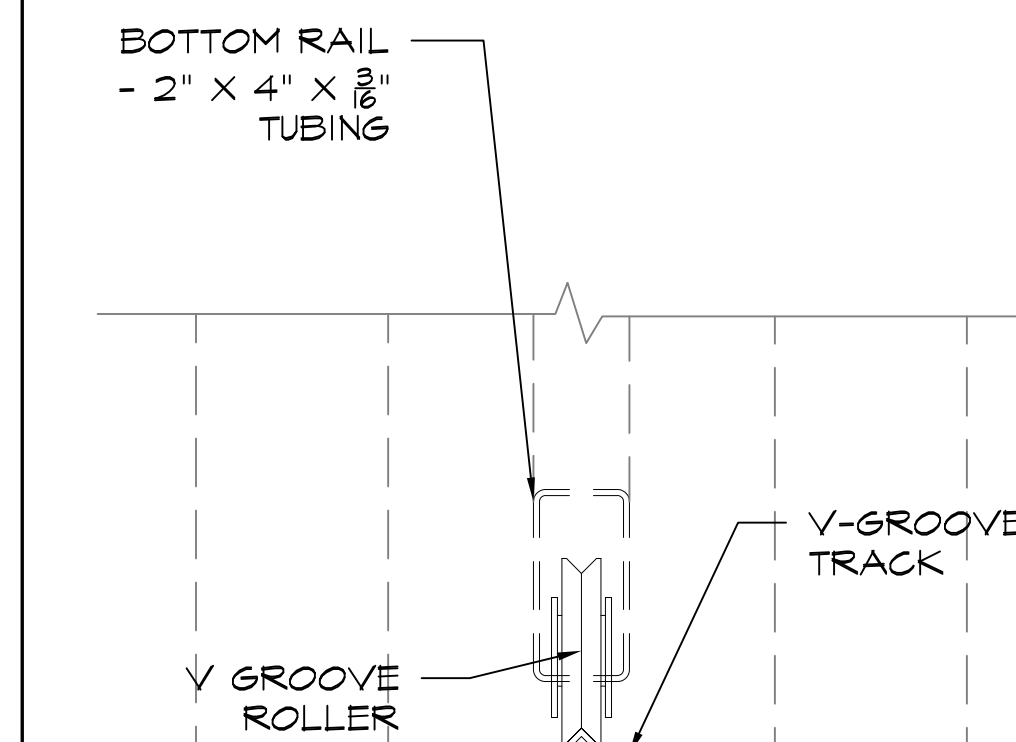
4 FENCING TRACK AND POST PLAN

SCALE: 3/8" = 1'-0"



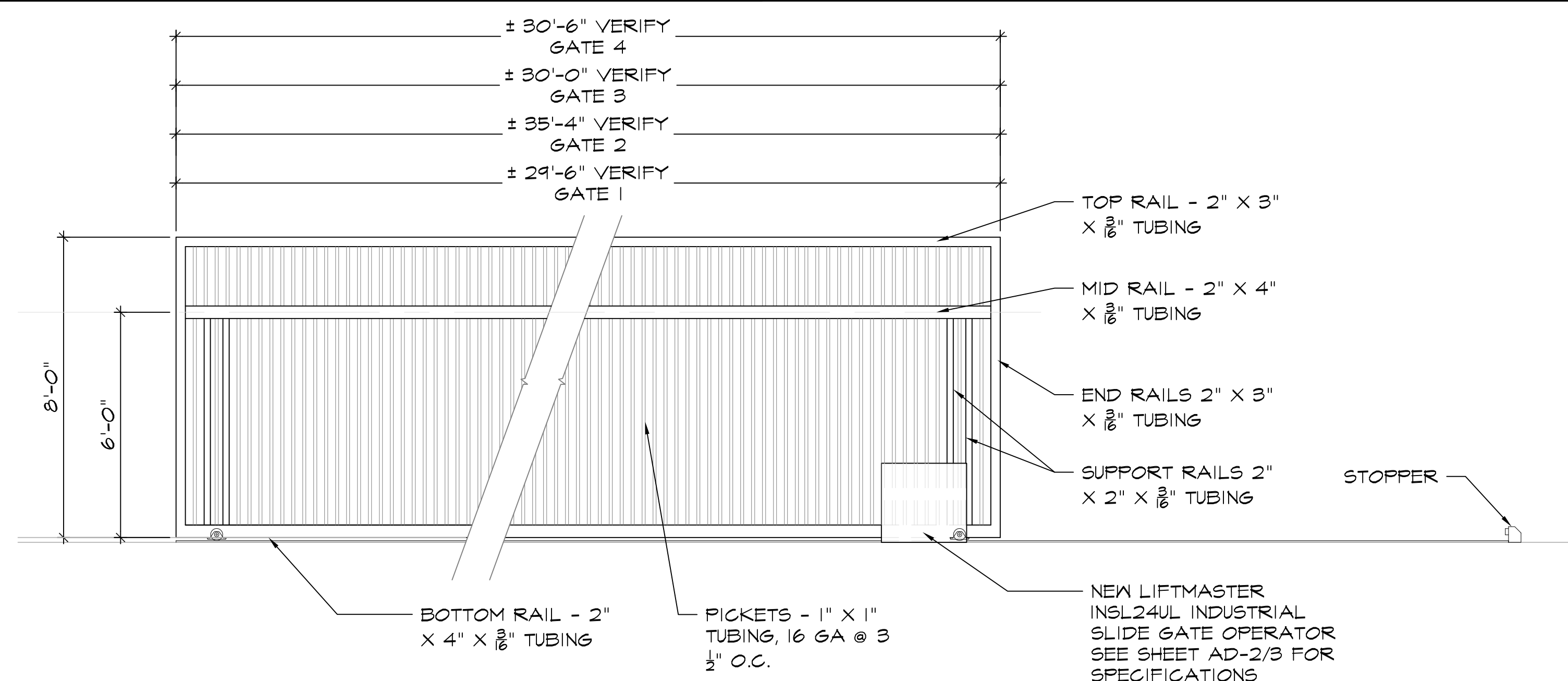
5 V-GROOVE WHL - ELEV.

SCALE: 3" = 1'-0"



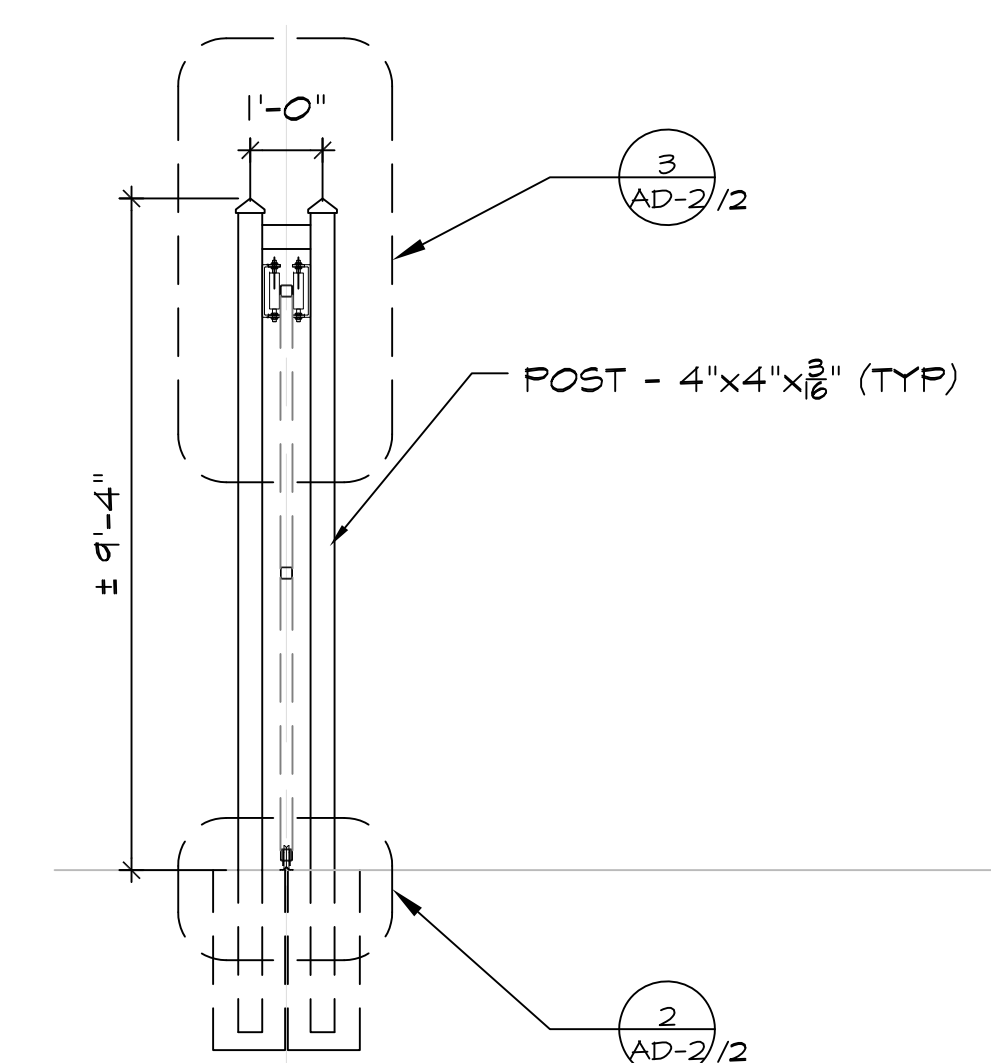
6 V-GROOVE WHEEL

SCALE: 3" = 1'-0"



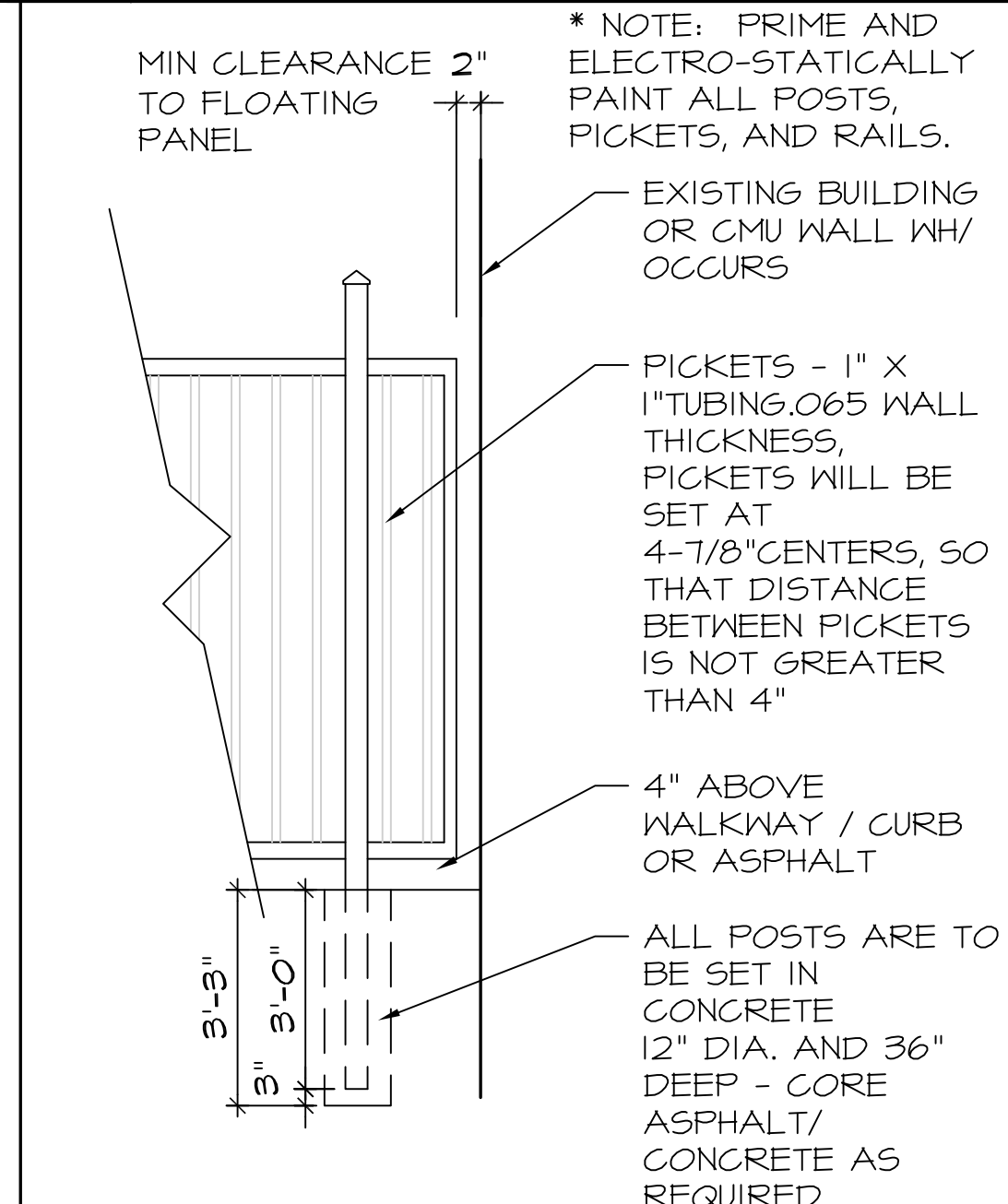
7 GATE PANEL ELEVATION

SCALE: 3/8" = 1'-0"



8 SUPPORT POST (Typ.)

SCALE: 3/8" = 1'-0"



9 FLOATING PANEL (Typ.)

SCALE: 3/8" = 1'-0"

INSL24UL



DATA SHEET

24VDC Industrial Slide Gate Operator Section 32 31 00

Key Features

- Steel Cabinet**
- Battery Backup**
- Remote Control Access**
- Internet Connectivity**
- Monitored Safety Devices**
- Solar-Power Capabilities**
- Diagnostic Display**
- Wireless Dual-Gate Communication**
- Dual-Gate Control**
- Fire Department Compliant**
- Limit Setting**
- Diagnostic Display**
- Programmable Auxiliary Relays**
- Unauthorized Access Prevention**
- HomeLink® Capability**

Weatherproof 14 gauge, NEMA 3R steel cabinet
Yes
Security+ 2.0* 3-channel receiver will handle up to 50 remote controls (unlimited remotes with B1LMX/B13LMX)
myQ® Facility cloud connection and myQ capability for secure monitoring and control of gate operator from anywhere*
6 inputs (main and expansion board)
Yes
LED diagnostic display
Eliminates expensive conduit costs and unsightly driveway scars
Bi-part delay or synchronized close
Allows gate to auto open upon loss of AC power or battery depletion; includes manual release
Electronic
LED diagnostic display
2 programmable auxiliary relays accommodate more accessories such as warning lights/alarms
Can be programmed with anti-tailgate or quick close capabilities
Version 4 or higher

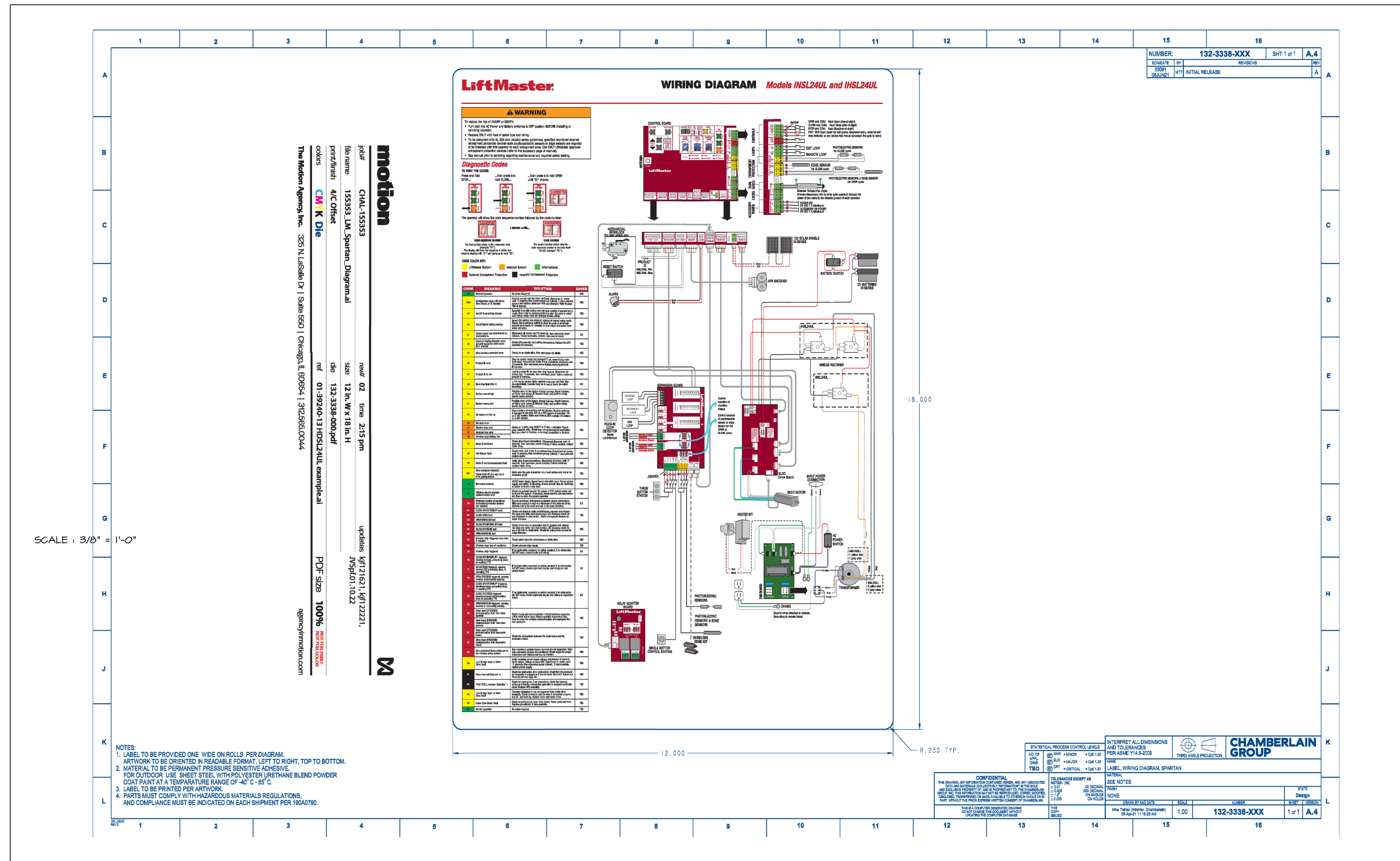
Specifications

Operator Speed
0.5 ft./sec. to 1 ft./sec.
Power
120/240VAC single phase, optional 3 phase kit for 208/230/460VAC and 575VAC
Accessory Power
24VDC 1 A max. output; switched and unswitched power
Operator Weight
129 lbs.
Warranty
5 years
Temperature Specification
Without heater -4°F (-20°C) to 140°F (60°C);
with optional heater: -40°F (-40°C) to 140°F (60°C)
II, III, IV

Construction

Motor
24VDC brushless motor with soft start/stop
Operator Duty Rating
Continuous-duty
Chassis/Frame
Constructed with 1/4 in. powder coated steel for rust prevention
Gear Reduction
Direct drive 40:1 gear ratio
Cover/Cabinet
Powder-coated, 14 gauge steel cabinet, oil tight, weatherproof
NEMA 3R lockable cabine
Chain
#40
Recommended Capacities
Rated for gates up to 70 ft. in length and weighing up to 2200 lbs.

*When linked with a myQ Facility capable access control, Cellular data or Wi-Fi® connection required



SCALE : 3/8" = 1'-0"

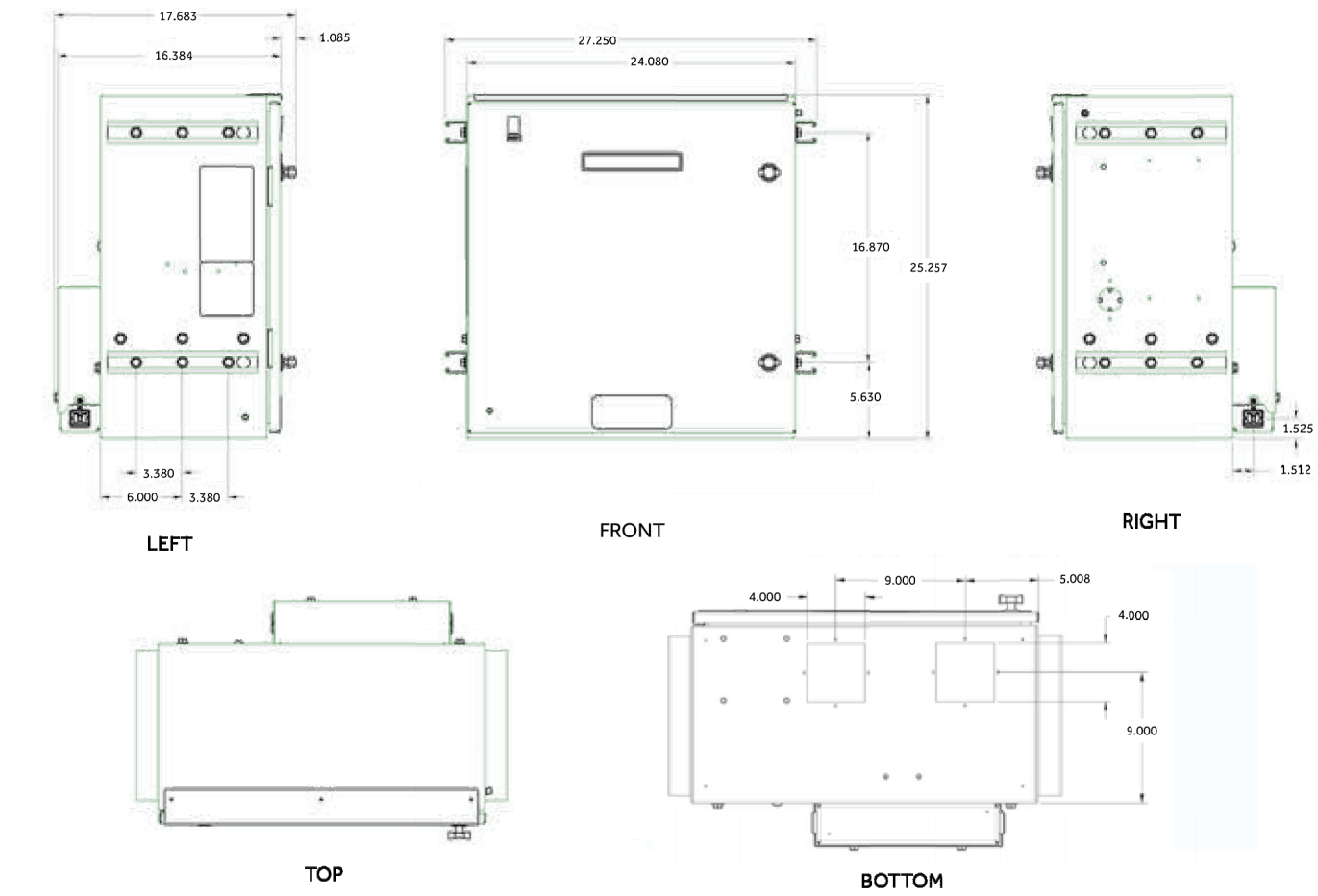
INSL24UL



DATA SHEET

24VDC Heavy-Duty Industrial Slide Gate Operator Section 32 31 00

Dimensions

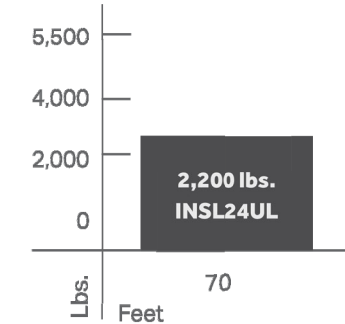


Capacity

Battery Backup Operation

| Battery | Cycles | Standby Time |
|---------|--------|--------------|
| 7Ah | 55 | 105 Days |
| 33Ah | 170 | 180 Days |

Recommended Capacity

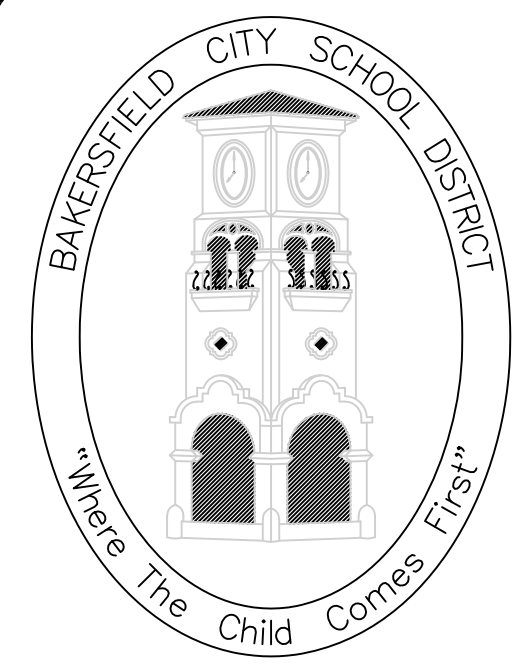


| Features | Residential Gate Operators | | | | Entry Series DC Commercial Gate Operators | | Heavy-Duty DC Commercial Gate Operators | | |
|--|----------------------------|-----------------------------|--|--|---|---|---|---|---|
| | LA40PKUL | LA40PKUL | LA30PKUL | RE12UL | RE20UL | CSL24UL | CS24UL | HDS24UL | HDS24UL |
| Description | 24VDC Linear Actuator | 12VDC Solar Linear Actuator | 24VDC Residential Light Commercial Linear Actuator | 12VDC Residential Light Commercial Linear Actuator | 24VDC High-Traffic Commercial Slide Gate Operator | 24VDC High-Traffic Commercial Slide Gate Operator | 24VDC Heavy-Duty Commercial Slide Gate Operator | 24VDC Heavy-Duty Commercial Slide Gate Operator | 24VDC Heavy-Duty Commercial Slide Gate Operator |
| Max. Gate Weight | 800 lbs. | 600 lbs. | 1800 lbs. | 800 lbs. | 1800 lbs. | 1800 lbs. | 3000 lbs. | 3000 lbs./4000 lbs. (Optional and PULCRS) | 3000 lbs./4000 lbs. (Optional and PULCRS) |
| Max. Gate Length | 16 ft. | 16 ft. | 18 ft. | 25 ft. | 16 ft. | 18 ft. | 75 ft. | 22 ft. @ 2000 lbs. 14 ft. @ 3000 lbs. | 22 ft. @ 2000 lbs. 14 ft. @ 3000 lbs. |
| Gate Speed | 10" / 15-17 sec. | 10" / 23-34 sec. | 10" / 15-17 sec. | 10" / 15-17 sec. | 10" / 15-17 sec. | 10" / 15-17 sec. | 6-12" / sec. | 10" / 15-17 sec. | 10" / 15-17 sec. |
| Recommended Cycles | 100 cycles | 100 cycles | 300 cycles | 100 cycles | 250 cycles | Continuous Duty | Continuous Duty | Continuous Duty | Continuous Duty |
| Battery Backup | 400 cycles | Not Applicable - Solar | 500 cycles | 114 cycles | 147 cycles | 200 cycles | 146 cycles | 45 cycles | 45 cycles |
| Security+ 2.0* | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| myQ® Enabled | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Monitored Safety Inputs (Color Codes) | 3 inputs | 3 inputs | 6 inputs (Main and Expansion Board) | 3 inputs | 6 inputs (Main and Expansion Board) | 6 inputs (Main and Expansion Board) | 6 inputs (Main and Expansion Board) | 6 inputs (Main and Expansion Board) | 6 inputs (Main and Expansion Board) |
| Standby Power | Up to 97 days | Up to 120 days | Up to 83 days | Up to 83 days | Up to 24 days | Up to 24 days | Up to 24 days | Up to 120 days | Up to 120 days |
| Solar Performance - Cycles per Day | Approx. 81 cycles* | Approx. 100 cycles* | Approx. 43 cycles* | Approx. 33 cycles* | Approx. 41 cycles* | Approx. 22 cycles* | Approx. 15 cycles* | Approx. 12 cycles* | Approx. 14 cycles* |
| 60 Meter with Smooth Start/Stop | Yes | Yes | Yes | Yes | Yes | Yes | Yes - Brushless DC | Yes - Brushless DC | Yes - Brushless DC |
| Diagnostic Code Display - 2 Digit LED | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Wireless Dual-Gate Operation | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Warranty Period | 2 Years | 2 Years | 2 Years | 3 Years | 3 Years | 7 Years Residential / 3 Years Commercial | 7 Years Residential / 3 Years Commercial | 7 Years Residential / 3 Years Commercial | 7 Years Residential / 3 Years Commercial |
| Standard Power | 115V Single Phase | Solar Power | 115/208V Single Phase | 115V Single Phase | 115V Single Phase | 115/208V Single Phase | 115/208V Single Phase | 115/208V Single Phase | 115/208V Single Phase |

UL 325 Listed Gate Operator Feature Chart

For specifications and information on all our products, visit LiftMaster.com/TOTALPAS

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BAKERSFIELD CITY SCHOOL DISTRICT

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ORNAMENTAL IRON GATE AND FENCING - OPERATOR

SPECIFICATIONS

NOT TO SCALE

AD-2
3

SCALE : 1" = 10'-0"