

# RETAINING WALL PLANS

## 222 34th STREET

### BAKERSFIELD CITY SCHOOL DISTRICT

### BAKERSFIELD, CALIFORNIA

#### GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THIS PLAN, THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, THE CALIFORNIA BUILDING CODE, CITY OF BAKERSFIELD ORDINANCE, LATEST EDITION, AND STANDARDS PERTAINING THERETO AND THE GEOTECHNICAL INVESTIGATION PREPARED BY SOILS ENGINEERING, INC. DATED DECEMBER 16, 2021 (SEI FILE 21-18209) AND ANY ADDENDUM THERETO. THESE DOCUMENTS SHALL MAKE A PART HEREOF. THE CONTRACTOR SHALL OBTAIN A COMPLETE COPY OF EACH.
2. ALL CONSTRUCTION WITHIN THE CITY RIGHT-OF-WAY OR CITY EASEMENTS SHALL BE IN ACCORDANCE WITH THE PROPOSED CITY OF BAKERSFIELD STANDARDS AND STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION. THESE STANDARDS, DRAWINGS AND DETAILS SHALL BE CONSIDERED A PART OF THESE PLANS AND THE CONTRACTOR SHALL OBTAIN A COPY FOR HIS USE.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK TO BE PERFORMED IN THE EXISTING, ACCEPTED STREET RIGHT-OF-WAY, UNLESS SECURED BY AN IMPROVEMENT AGREEMENT, APPROVED INSURANCE AND SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN THE STREET RIGHT-OF-WAY SHALL BE POSTED PRIOR TO ISSUANCE OF A PERMIT.
4. 24 HOUR NOTICE: PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE CITY CONSTRUCTION INSPECTION SECTION SHALL BE GIVEN AT LEAST 24 HOURS NOTICE. THE SECTION MAY BE NOTIFIED AT (661) 326-3049.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS, DATA AND MEASUREMENTS AT THE BUILDING SITE PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. PORTER & ASSOCIATES, INC. MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.
6. EXISTING UTILITY AND UNDERGROUND LINES HAVE BEEN SHOWN ON THIS PLAN ACCORDING TO AVAILABLE RECORDS. THE ENGINEER IS NOT RESPONSIBLE FOR POSSIBLE ERRORS OR OMISSIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF ANY WORK. UNDERGROUND SERVICE ALERT (U.S.A.: 811) SHALL BE CONTACTED AT LEAST TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
7. ANY EXISTING IMPROVEMENTS OR UTILITIES THAT ARE REMOVED, DAMAGED OR UNDERCUT BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER AND APPROVED BY THE GOVERNING AUTHORITY.
8. IF A PROBLEM OR CONFLICT SHOULD ARISE DURING THE COURSE OF THE PROJECT, IT IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.
9. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY FOR A COMPLETE AND FUNCTIONAL PRODUCT.
10. ALL WORK WHICH IS DEFECTIVE IN ITS CONSTRUCTION OR DEFICIENT IN ANY OF THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE REMEDIATED, OR REMOVED AND REPLACED BY THE CONTRACTOR IN AN ACCEPTABLE MANNER, AND NO COMPENSATION WILL BE ALLOWED FOR SUCH CORRECTION.
11. IN THE EVENT CONSTRUCTION STAKING BASED ON THE CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY ANYONE OTHER THAN THE CONSULTANT, THE OWNER OR CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL IN WRITING AS TO THE CHANGE OF ENGINEER IN RESPONSIBLE CHARGE.
12. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT; INCLUDING EROSION, SEDIMENTATION & DUST CONTROL, PLAN AND STORM WATER POLLUTION PREVENTION PLAN IMPLEMENTATION AND THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
13. IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.
14. PORTER & ASSOCIATES, INC. WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY AND ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PORTER & ASSOCIATES, INC.
15. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT OF WAY, UNLESS SECURED BY AN IMPROVEMENT AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN RIGHT OF WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.
16. NO CITY INSPECTIONS WILL BE GIVEN FOR THE WORK IN THIS AREA UNTIL A SUBDIVISION PERMIT WITH APPROPRIATE SECURITY AND INSURANCE HAS BEEN OBTAINED.
17. ANY WORK CONNECTING TO EXISTING PUBLIC FACILITIES FROM PRIVATE PROPERTY WILL REQUIRE AN ENGINEER'S ESTIMATE FOR THE WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY TO ESTABLISH THE NECESSARY DEPOSIT FOR A STREET PERMIT. (FOR TRACTS WITH PRIVATE STREETS, PARCEL MAP IMPROVEMENTS, OR PUBLIC TRACTS WITHOUT RECORDED MAPS).
18. ANY ITEMS IN PUBLIC RIGHT-OF-WAY THAT ARE DAMAGED OR DO NOT MEET CURRENT STANDARDS SET BY PUBLIC WORKS WILL REQUIRE REPAIRING AND/OR UPGRADING AS PER CITY ENGINEER.
19. NORMAL STAKING AND MARKING OF THE PROJECT WILL BE SUPPLIED ONLY ONCE. ALL RESTAKING OR REMARKING SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

#### MATERIALS LIST

ESTIMATED QUANTITIES FOR PLAN CHECK AND INSPECTION FEE CALCULATIONS.  
NOT TO BE USED FOR BIDDING PURPOSES.

FENCE/WALL	TOTAL
RETAINING WALL WITH 8' FENCE	1,282 LF
8' FENCE/GATE	237 LF



DIAL TOLL FREE: 811  
AT LEAST TWO DAYS BEFORE YOU DIG

#### LEGEND

- (X) SHEET INDEX NUMBER
- PROPOSED RETAINING WALL

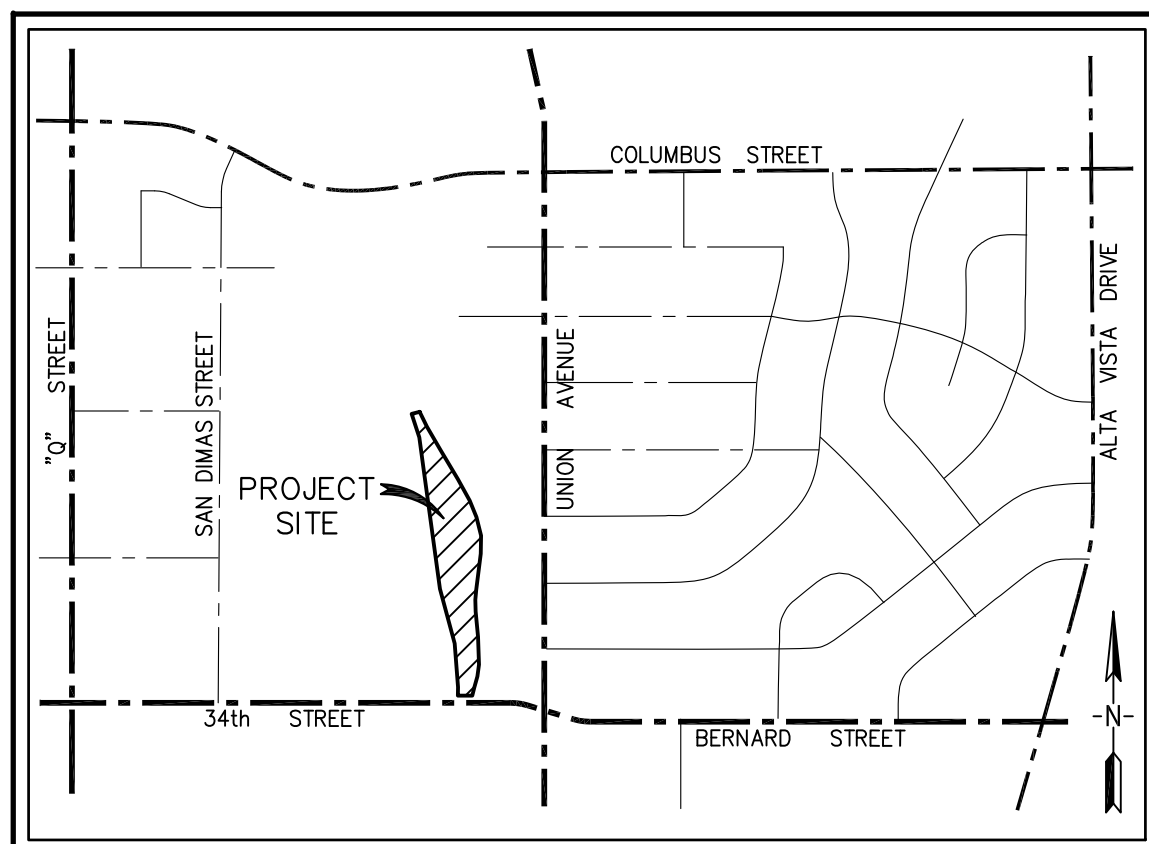
#### BENCHMARK USED:

TOP OF NAIL SET IN TOP OF CURB APPROXIMATELY 20 FEET WEST OF THE CURB ANGLE POINT AT SOUTHEAST CORNER OF MAIN PARKING LOT. SEE KEY MAP FOR APPROXIMATE LOCATION.

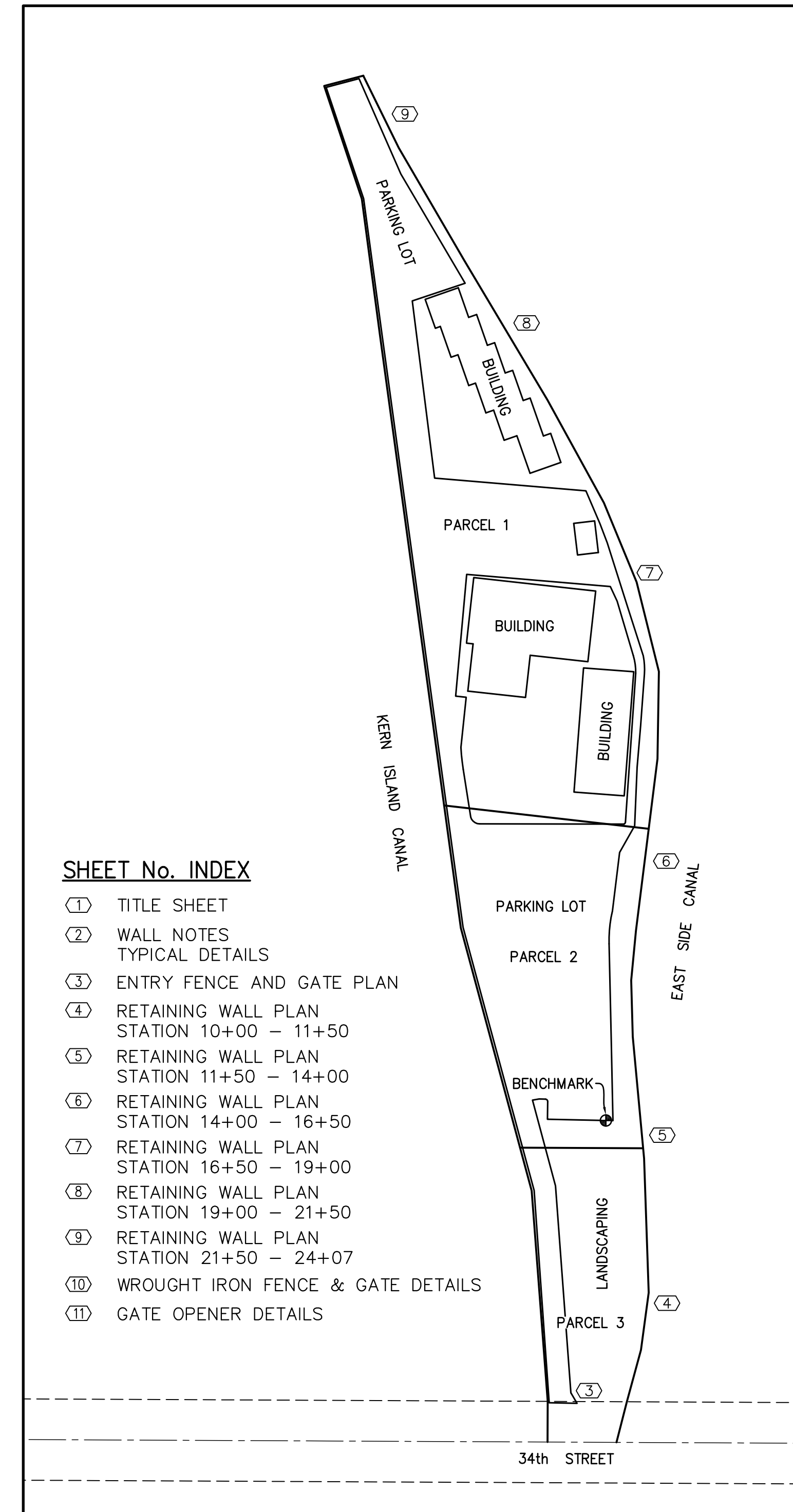
ELEVATION=450.00 (ASSUMED DATUM)

#### LEGAL DESCRIPTION:

PARCELS 1 THROUGH 3 OF PARCEL MAP 6822 AS PER MAP FILED NOVEMBER 16, 1984 IN BOOK 31 OF PARCEL MAPS AT PAGE 100 IN THE OFFICE OF THE KERN COUNTY RECORDER, ALSO BEING A PORTION OF THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 29 SOUTH, RANGE 28 EAST MOUNT DIABLO BASE AND MERIDIAN IN THE CITY OF BAKERSFIELD, COUNTY OF KERN, STATE OF CALIFORNIA



VICINITY MAP  
NO SCALE



#### SHEET No. INDEX

- 1 TITLE SHEET
- 2 WALL NOTES  
TYPICAL DETAILS
- 3 ENTRY FENCE AND GATE PLAN
- 4 RETAINING WALL PLAN  
STATION 10+00 - 11+50
- 5 RETAINING WALL PLAN  
STATION 11+50 - 14+00
- 6 RETAINING WALL PLAN  
STATION 14+00 - 16+50
- 7 RETAINING WALL PLAN  
STATION 16+50 - 19+00
- 8 RETAINING WALL PLAN  
STATION 19+00 - 21+50
- 9 RETAINING WALL PLAN  
STATION 21+50 - 24+07
- 10 WROUGHT IRON FENCE & GATE DETAILS
- 11 GATE OPENER DETAILS

KEY MAP  
SCALE: 1"=100'

#### ENGINEER'S STATEMENT:

THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY DIRECTION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH CITY OF BAKERSFIELD ORDINANCES, STANDARDS AND DESIGN CRITERIA, AND INCLUDE ALL IMPROVEMENT REQUIREMENTS OF THE ADVISORY AGENCY OR OTHER REVIEW BOARD. ANY ERRORS, OMISSIONS OR OTHER VIOLATIONS OF THOSE ORDINANCES, STANDARDS OR DESIGN CRITERIA ENCOUNTERED DURING CONSTRUCTION SHALL BE CORRECTED IN ALL CHANGES. ALL CORRECTIONS SHALL BE REFLECTED ON REVISED OR AS-BUILT PLANS TO BE SUBMITTED TO THE CITY ENGINEER.

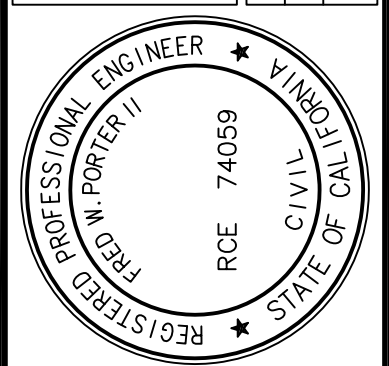
RETAINING WALL PLANS  
222 34th STREET  
BAKERSFIELD CITY SCHOOL DISTRICT  
TITLE SHEET

DATE	1/17/2024
PA JOB No.	3306
SHEET	1
	OF 11 SHEETS

THE ABOVE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGNS, AND ARRANGEMENTS ARE THE PROPERTY OF PORTER & ASSOCIATES, INC. AND SHALL BE KEPT IN CONFIDENCE. NO PART THEREOF SHALL BE COPIED, REPRODUCED, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED, WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. VISUAL EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS, WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

**PORTER & ASSOCIATES, INC.**  
ENGINEERING & SURVEYING  
1707 Eye Street, Suite 111, Bakersfield, California 93301  
661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LGH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



REVISIONS

**WALL NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRADING ALONG THE WALL LINE.
- BEARING SOIL SHALL BE COMPACTED TO 90% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557 TO A DEPTH OF 12 INCHES BELOW BOTTOM OF FOOTING.
- EXCAVATED AREAS WIDER THAN WIDTH OF FOOTING SHALL BE RECOMPACTED TO 90% RELATIVE COMPACTION TO TOP OF FOOTING. USE BATTER BOARD TO PREVENT OVERPOUR OF CONCRETE FOOTING ON THE PUBLIC LANDSCAPE SIDE.
- FOR ALL BLOCK WALLS WITHIN THE CITY RIGHT-OF-WAY OR EASEMENTS, THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPACTION TESTS. THE NUMBER AND LOCATION OF TESTS TO BE DETERMINED BY THE CITY ENGINEER.
- WATERPROOF SURFACE IN ACCORDANCE WITH WATERPROOFING SPECIFICATIONS. COAT ONLY THAT PORTION BELOW HIGHEST GRADE SIDE DOWN TO FOOTING.
- OMITTED HEAD JOINTS SHALL SERVE AS WEEP HOLES. HEAD JOINTS SHALL BE OMITTED AT A SPACING OF 16 INCHES ON CENTER. DO NOT WATERPROOF OVER OMITTED HEAD JOINTS.
- FOR BLOCK WALLS THAT SERVE AS SCREEN FENCES, PROVIDE VERTICAL EXPANSION JOINTS PER BLOCK MANUFACTURER'S RECOMMENDATIONS. IF NO RECOMMENDATIONS EXIST, PROVIDE EXPANSION JOINTS WITH 3/8" MAX. GAP AT MAXIMUM 48 FOOT INTERVALS ALONG THE ENTIRE LENGTH OF THE CONCRETE MASONRY BLOCK WALL.
- THE HEIGHT OF BLOCK WALLS THAT SERVE AS SCREEN FENCES SHALL BE 6'-0" MIN. MEASURED FROM THE HIGHEST ADJACENT GROUND.
- MASONRY BLOCK WALL PATTERN SHALL BE RUNNING BOND (COMMON BOND), UNLESS OTHERWISE NOTED.
- ALL REBAR OVERLAPPING SHALL BE 24 INCHES, UNLESS OTHERWISE NOTED.
- ALL REBAR ADJACENT TO SOIL SHALL HAVE 3 INCH MIN. CONCRETE COVER.
- GROUT ALL CELLS CONTAINING REBAR, TYPICAL.
- FOR OTHER IMPROVEMENTS NOT SHOWN, REFER TO GRADING PLAN, STREET PLANS, SEWER & STORM DRAIN PLANS, WATER PLANS AND DRY UTILITY PLANS FOR THIS MAP.
- MAXIMUM SLOPE RATIO FROM BACK OF SIDEWALK TO FACE OF WALL OR STRUCTURE SHALL BE 4:1, EXCEPT FOR TWO FEET BEHIND THE SIDEWALK WHERE THE MAXIMUM SLOPE SHALL BE 2%. ALTERNATIVELY, THE CITY ENGINEER MAY APPROVE CURBING BEHIND THE SIDEWALK OR OTHER METHOD TO PREVENT EROSION, ONTO THE SIDEWALK.
- PRIOR TO INSTALLATION OF ANY SIGNAGE, SUBDIVIDER SHALL SUBMIT TWO COPIES OF SUBDIVISION IDENTIFICATION SIGN PLANS TO THE BUILDING DIRECTOR FOR REVIEW AND APPROVAL PURSUANT TO BMC SECTION 17.60.110 (N). ONE COPY OF THE SIGNED PLAN SHALL ALSO BE SUBMITTED TO THE PARKS DIVISION FOR REVIEW AND APPROVAL. SIGN PLANS SHALL INCLUDE COPY, DIMENSIONS, COLOR MATERIALS, LIGHTING, ANCHORAGE, LETTERING FONTS, AND LOCATION OF SIGN(S). APPROVAL OF WALL PLANS BY THE PUBLIC WORKS DIRECTOR DOES NOT INCLUDE APPROVAL OF ANY SIGNAGE.

**WATERPROOFING SPECIFICATIONS**

- WATERPROOF SURFACE WITH 1/4" THICK ASPHALTIC WATERPROOF COATING OR APPROVED EQUAL AS PER PROPOSED CITY OF BAKERSFIELD STANDARD DRAWING L-9.

**STRUCTURAL NOTES**

**GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION.

**FOUNDATION NOTES**

- FOR ALLOWABLE SOIL BEARING VALUES REFER TO THE SOILS REPORT AS PROVIDED.

**CONCRETE NOTES**

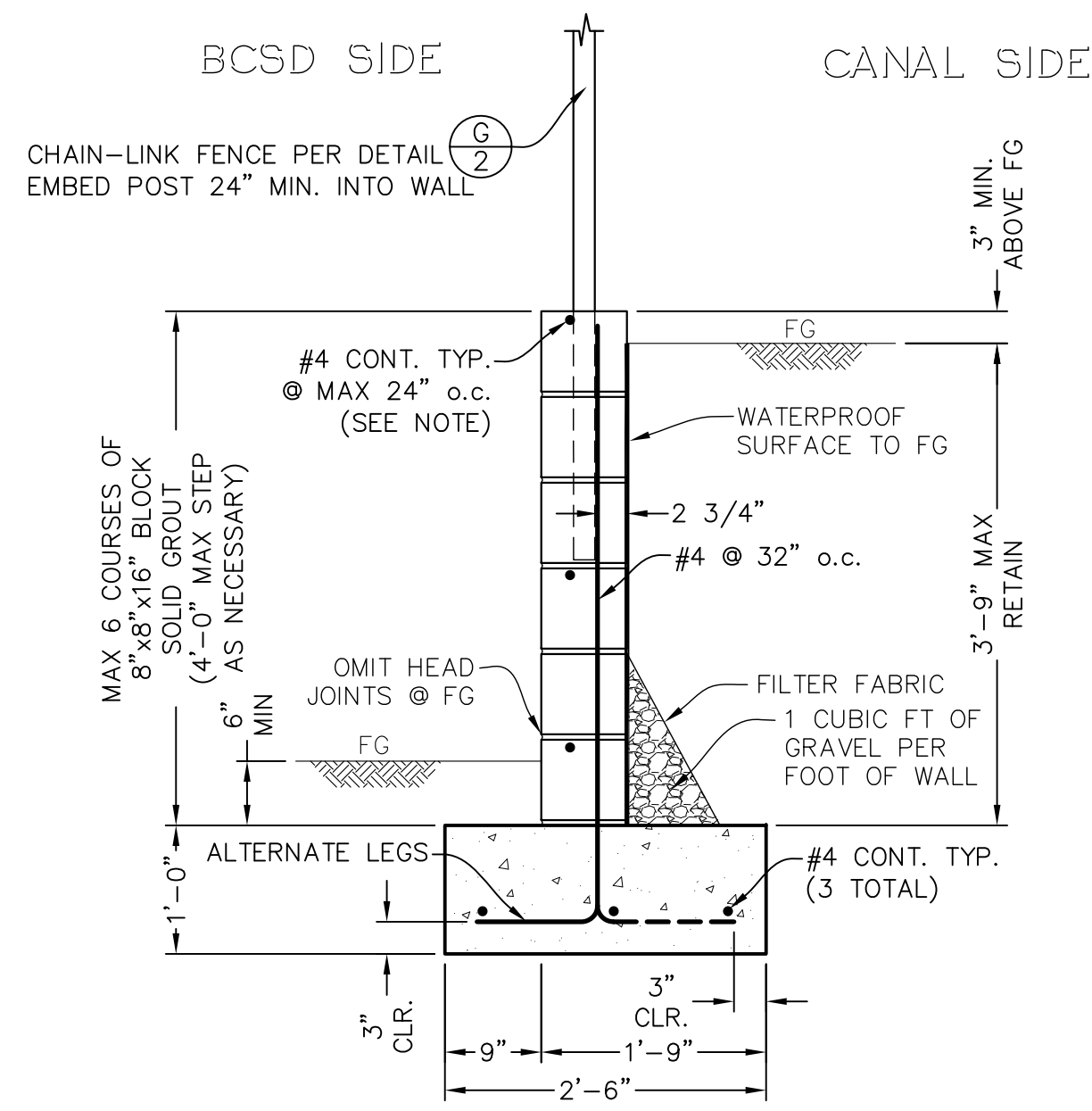
- MATERIALS:
  - REINFORCING: ASTM A615, GRADE 60 DEFORMED BARS.
  - CEMENT: PORTLAND CEMENT, TYPE II, ASTM C-150.
  - AGGREGATE: ASTM C-33.
  - WATER: CLEAN AND DRINKABLE.
  - ADMIXTURES: ONLY AS APPROVED BY THE ENGINEER.
- CONCRETE MIX DESIGN FOR FOOTINGS:
  - CALTRANS MINOR CONCRETE, 2500 PSI AT 28 DAYS.
  - 505 LB OF CEMENT (MIN) PER CUBIC YARD.
  - 3/4" AGGREGATE (MAX).
  - 5" SLUMP - MAXIMUM WATER/CEMENT RATIO: 0.55 (MAX).

**MASONRY NOTES**

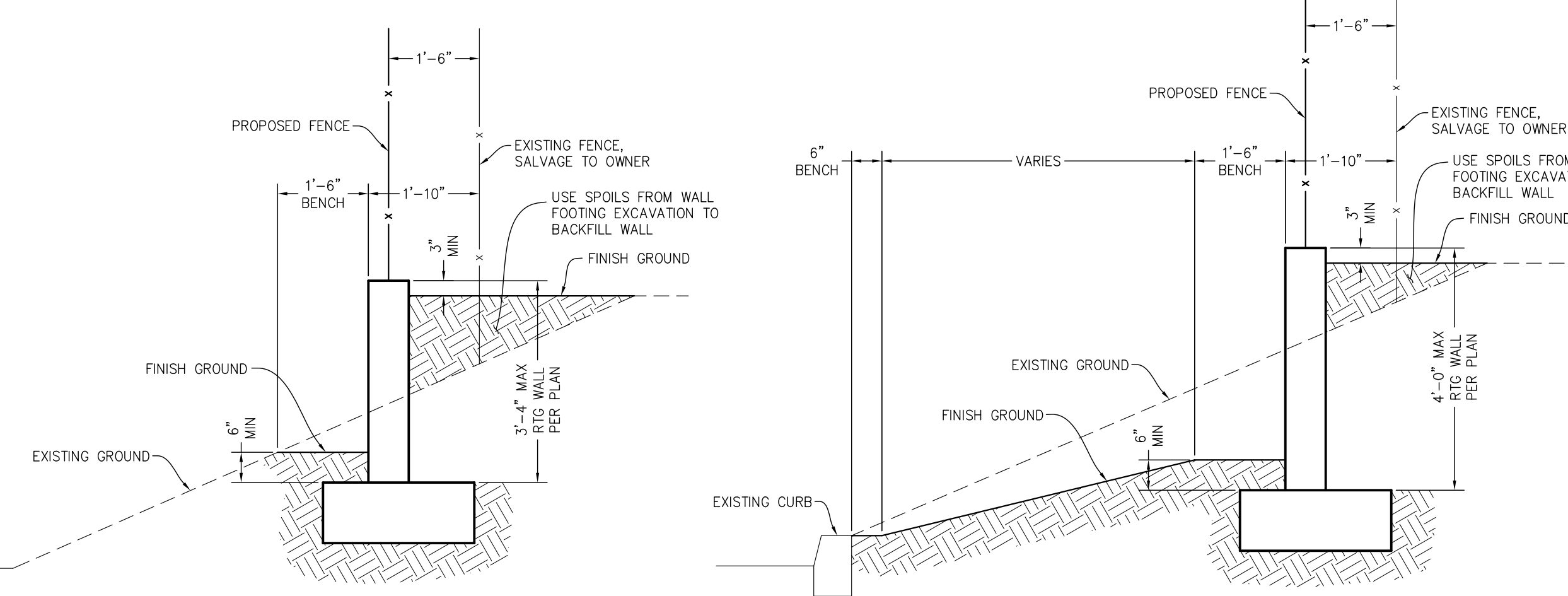
- MATERIALS:
  - CONCRETE BLOCK MASONRY UNITS: ASTM C-90.
  - REINFORCING: ASTM A615, GRADE 60 DEFORMED BARS.
  - ADMIXTURES: ONLY AS APPROVED BY THE ENGINEER.

**CONCRETE SPECIFICATIONS**

- CONCRETE SHALL CONTAIN 505 POUNDS OF CEMENTITIOUS MATERIAL UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
- CONCRETE SHALL CONFORM TO SECTION 90 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED MAY 2010.
- CEMENT SHALL BE IN CONFORMANCE WITH ASTM C150, TYPE 2 AND SHALL BE ENTIRELY FROM ONE MANUFACTURER.
- ALL AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33.
- ALL WATER FOR CONCRETE SHALL BE CLEAN AND FREE FROM DETRIMENTAL AMOUNTS OF ACID, ALKALI AND ORGANIC MATTER AND SHALL BE FROM A DOMESTIC WATER SUPPLY.
- CONCRETE SHALL BE CURED AS SPECIFIED IN SECTION 90-1.03 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED MAY 2010.
- CONTROL JOINTS IN SIDEWALK SHALL BE SPACED NO MORE THAN 8' ON CENTER AND NO MORE THAN 15' ON CENTER FOR OTHER FLAT WORK.
- CONTROL JOINTS IN CURBS, CURB & GUTTER, AND "V" GUTTER SHALL BE SPACED @ 15' O.C. MAX.
- COMPACT SUBGRADE UNDER ALL CONCRETE CURBS, FLATWORK, ETC. TO A MINIMUM DEPTH OF 6" TO 90% MAXIMUM DENSITY. CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS PREPARED BY A CERTIFIED LAB TO THE OWNER & CORRECT FAILURES AT CONTRACTOR'S EXPENSE.

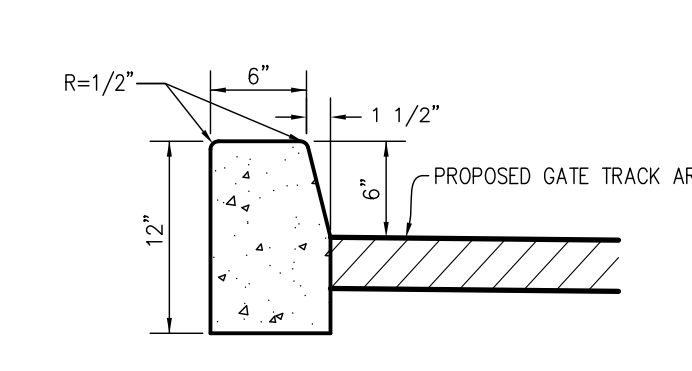


**A** TYPICAL SECTION  
NOT TO SCALE

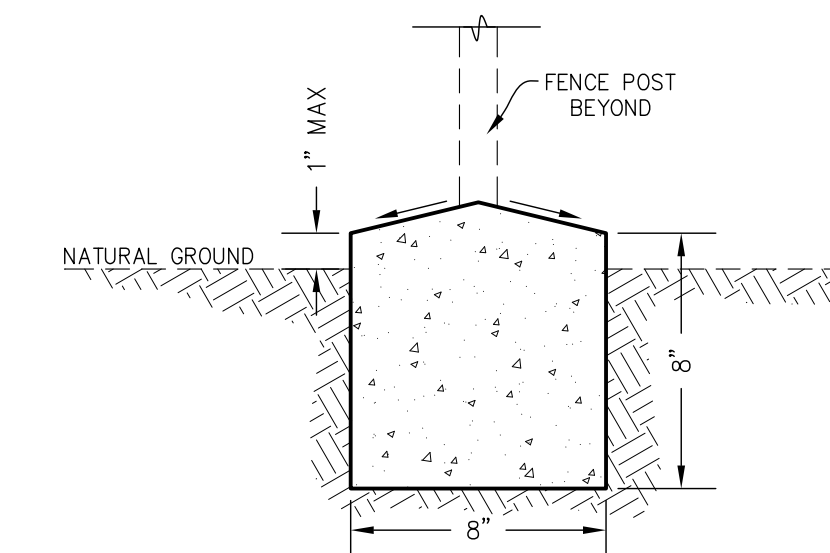


**B** TYPICAL SECTION  
NOT TO SCALE

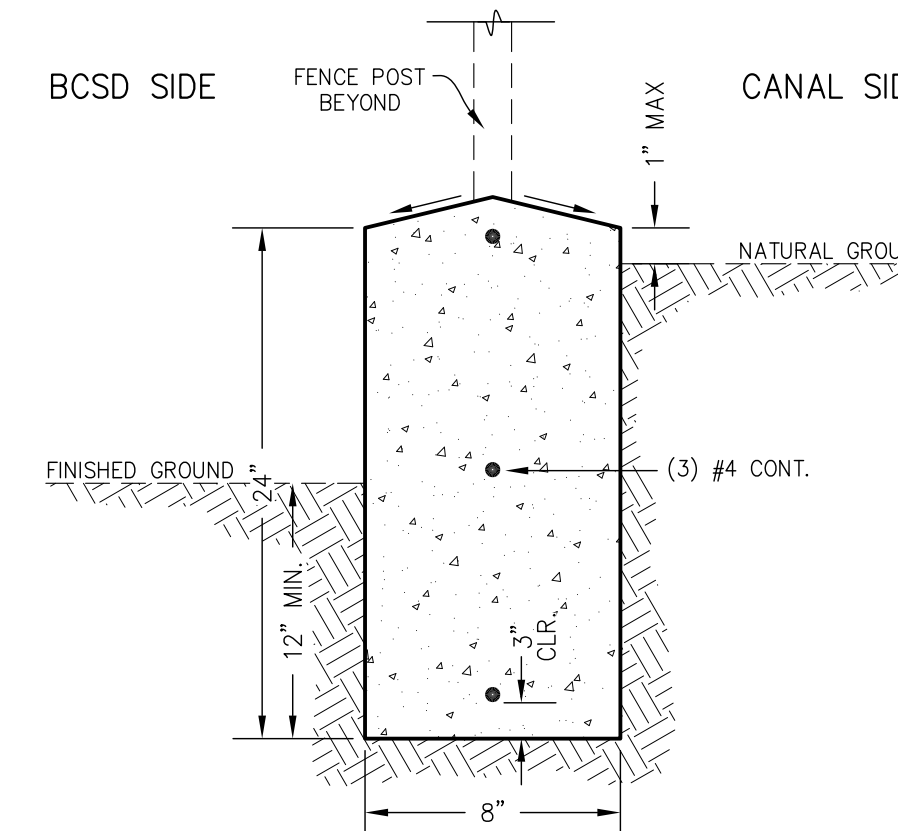
**C** TYPICAL SECTION  
NOT TO SCALE



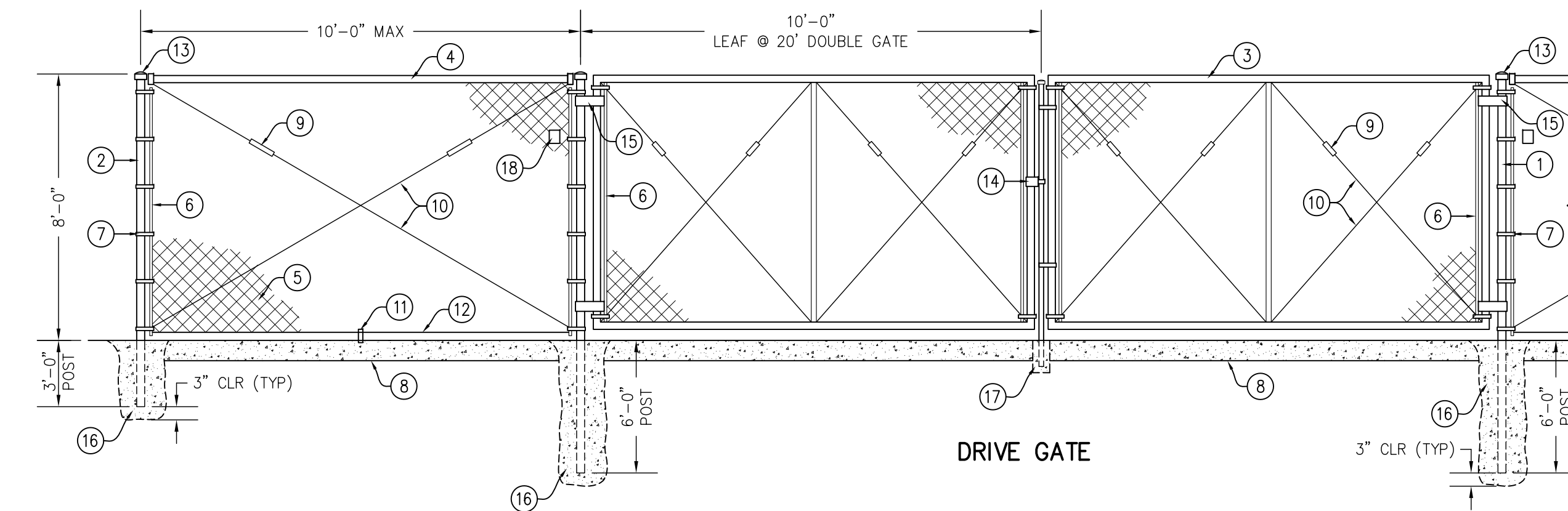
**D** 6" CONCRETE CURB  
NOT TO SCALE



**E** CONCRETE MOW STRIP  
NOT TO SCALE



**F** CONCRETE RETAINING CURB  
NOT TO SCALE



**G** TYPICAL CHAIN-LINK FENCE & GATES DETAIL  
NOT TO SCALE

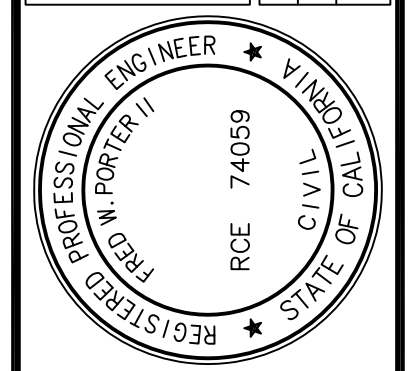
**TYPICAL CHAIN-LINK FENCE AND GATE CONSTRUCTION NOTES**

- 6" O.D. GALVANIZED STEEL GATE POST (9.1 lb/ft)
- 2 7/8" O.D. GALVANIZED STEEL END OR CORNER POST (5.79 lb/ft)
- 2" O.D. GALVANIZED STEEL GATE FRAME (2.72 lb/ft)
- 1 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (2.27 lb/ft)
- 1"x 1" MESH x 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE/ FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
- 1/4" x 3/4" GALVANIZED STEEL STRETCHER BAR.
- GALVANIZED STEEL STRETCHER BAR TENSION BAND, MIN. OF 6 TENSION BANDS.
- MOW STRIP PER DETAIL E
- GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIA. TRUSS ROD.
- 3/8" DIA. GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS AND END OR CORNER POST PANELS.
- 3/8" x 6" GALVANIZED HOOK BOLT WITH NUT IMBEDDED IN MIDWAY POSTS.
- 7 GAUGE (0.177" DIA.) GALVANIZED STEEL TENSION WIRE.
- RAINPROOF CAP
- LOCKING HASP
- 180° GATE HINGE, TYP.
- CONCRETE POST FOOTING, TYP. (12" FOR FENCE, 18" FOR GATES)
- GALVANIZED STEEL PIPE SLEEVE FOR GATE DROP ROD.
- PROVIDE SERIES 3200 KNOX BOX @ ALL ENTRY GATES REQUIRED FOR FIRE DEPARTMENT ACCESS.

THE ABOVE DRAWINGS AND SPECIFICATIONS AND ARRANGEMENTS ARE THE PROPERTY OF PORTER & ASSOCIATES, INC. ANY REPRODUCTION OR USE OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER, VISUAL PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. VISUAL EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS, WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

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661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LOH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**WALL NOTES - TYPICAL DETAILS**

REVISIONS  
DATE: 1/17/2024  
PA JOB No. 3306  
SHEET  
**2**  
OF 11 SHEETS

**CONSTRUCTION NOTES**

ALL STATIONS AND OFFSETS ARE TO FACE OF WALL OR CURB ON BCSD SIDE.  
SEE DETAIL (S/2) FOR CHAIN-LINK FENCE CONSTRUCTION.

**LEGEND**

PC = PROPERTY CORNER  
AP = ANGLE POINT  
CL = CENTERLINE  
CONC = CONCRETE  
FTG = FOOTING  
MAX = MAXIMUM  
GB = GRADE BREAK  
TOF = TOP OF FOOTING  
T.O.B. = TOP OF BERM

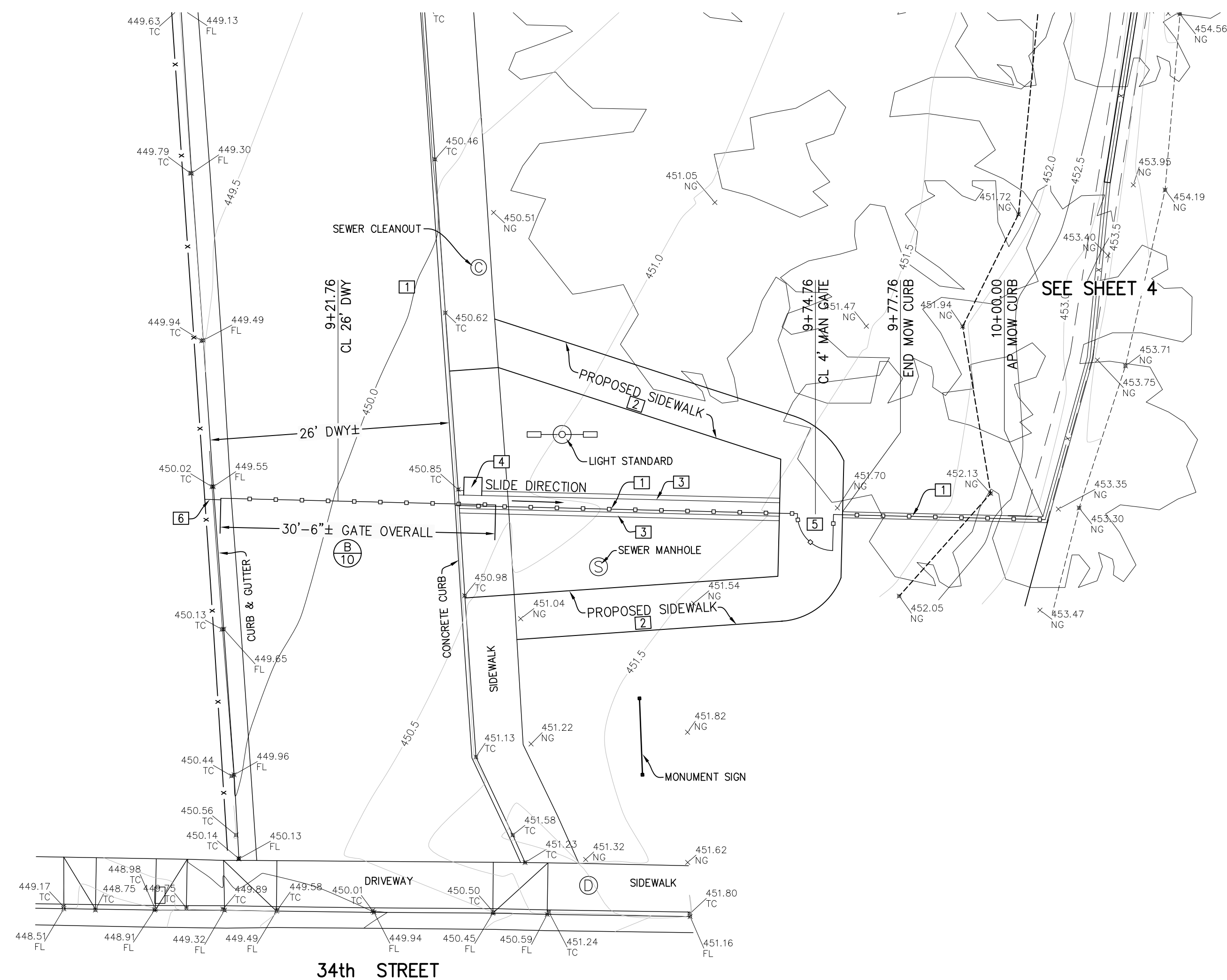
FG = FINISHED GROUND  
CTR = CENTER  
TOW = TOP OF WALL  
RETG = RETAINING  
MAX = MAXIMUM  
MIN = MINIMUM  
CLR = CLEAR  
WL = WALL STATION

**CONSTRUCTION NOTES**

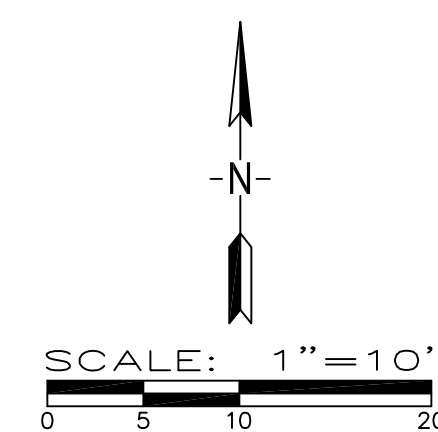
- 1) WROUGHT IRON FENCE WITH MOW CURB PER DETAIL (A/10).
- 2) 4" THICK SIDEWALK, 2% MAX CROSS-SLOPE AND 5% MAX. IN DIRECTION OF TRAVEL.
- 3) CONSTRUCT 6" CONCRETE CURB PER DETAIL (D/2).
- 4) INSTALL GATE OPERATOR PER DETAILS ON SHEET 11.
- 5) CONSTRUCT 4' MAN GATE PER DETAIL (L/10).
- 6) CONSTRUCT FLOATING PANEL PER DETAIL (A/10).

**NOTES:**

- 1) PROPOSED FENCE, GATE AND RETAINING WALL TO BE CONSTRUCTED WILL REPLACE EXISTING FENCE AND GATE.
- 2) CONTRACTOR TO SAWCUT AND REMOVE EXISTING CURB, GUTTER, SIDEWALK AND LANDSCAPING AS NEEDED FOR CONSTRUCTION OF PROPOSED FENCE, GATES AND SIDEWALK AND SHALL REPAIR AND REPLACE IMPROVEMENTS FOR A COMPLETE PRODUCT.



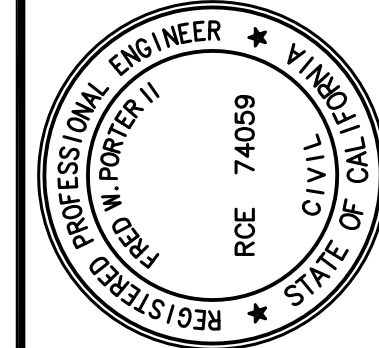
**ENTRY WROUGHT IRON FENCE & SLIDING GATE**



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FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LGH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 9+50 - 10+00**

REVISIONS


DATE 1/17/2024  
PA JOB No. 3306

SHEET

**3**

OF 11 SHEETS

COB RECORDS No. \_\_\_\_\_

J:\3306\Improvements\Wall Plans\3306-WL-Plan and Profile.dwg 04/16/24 mathrawcson



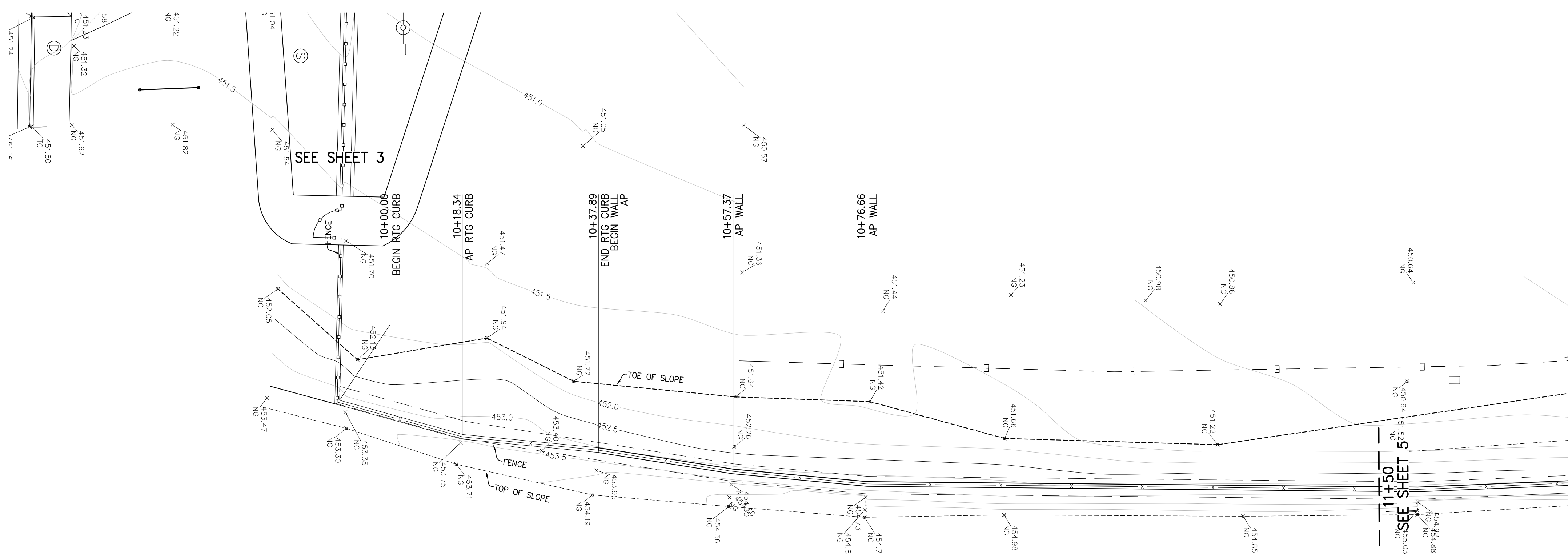
**CONSTRUCTION NOTES**

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SEE DETAIL (S/2) FOR CHAIN-LINK FENCE CONSTRUCTION.

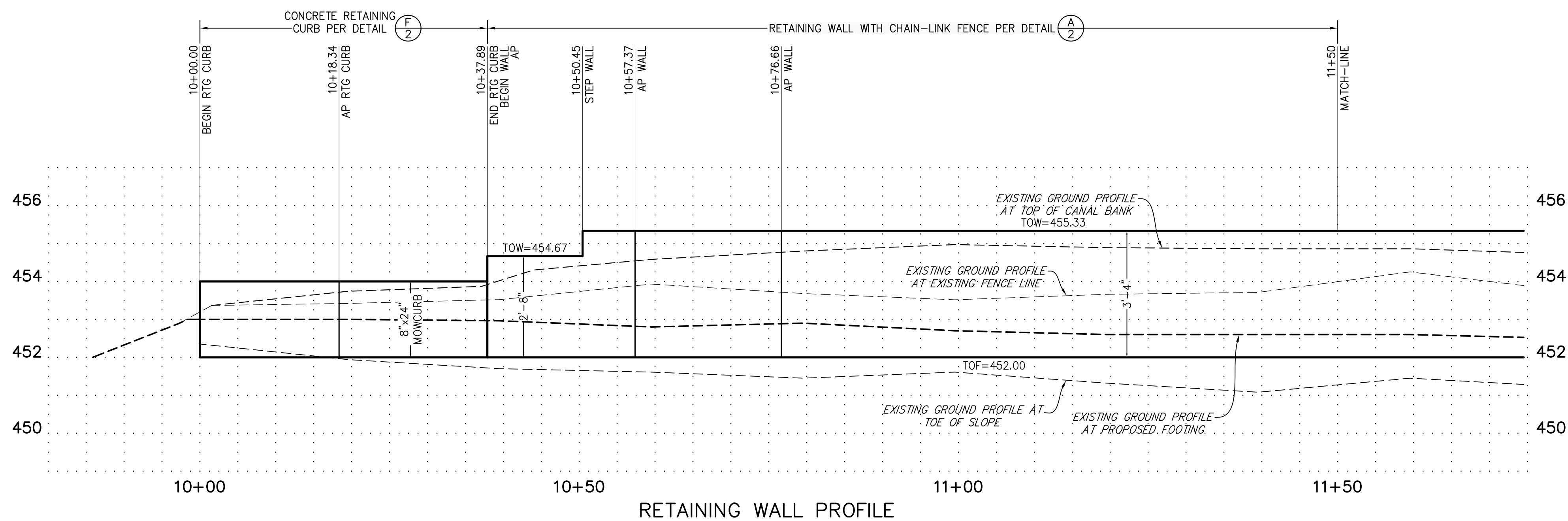
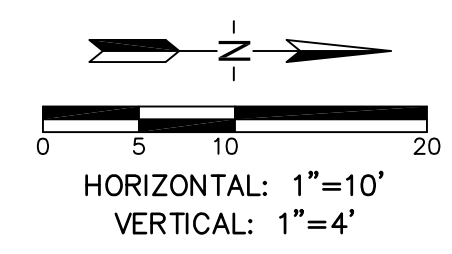
**LEGEND**

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RETG = RETAINING  
MAX = MAXIMUM  
MIN = MINIMUM  
CLR = CLEAR  
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# EAST SIDE CANAL RETAINING WALL PROFILE

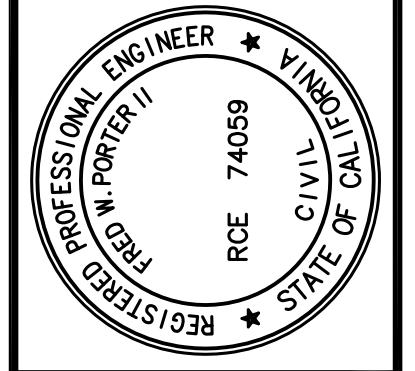


RETAINING WALL PROFILE

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**PORTER & ASSOCIATES, INC.**  
ENGINEERING & SURVEYING  
1707 Elye Street Suite 111, Bakersfield, California 93301  
661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MWC  
DRAFTSMAN: LGH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 10+00 - 11+50**

REVISIONS

DATE	1/17/2024
PA JOB No.	3306

SHEET  
**4**  
OF 11 SHEETS

COB RECORDS No. \_\_\_\_\_

J:\3306\Improvements\Wall Plans\3306-WL-Plan and Profile.dwg 04/16/24 mathewrcrson



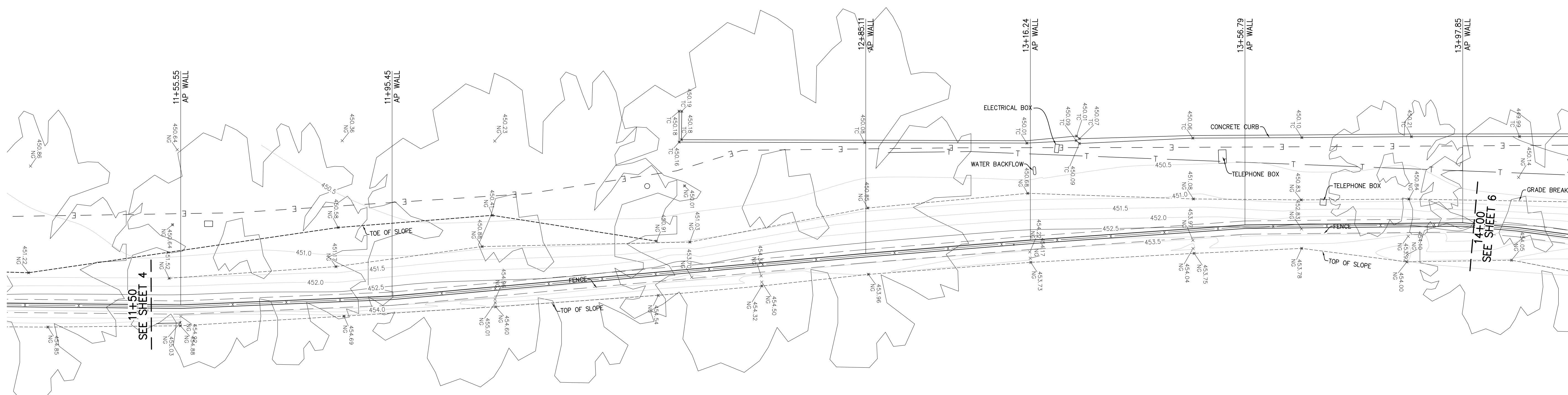
**CONSTRUCTION NOTES**

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SEE DETAIL (S/2) FOR CHAIN-LINK FENCE CONSTRUCTION.

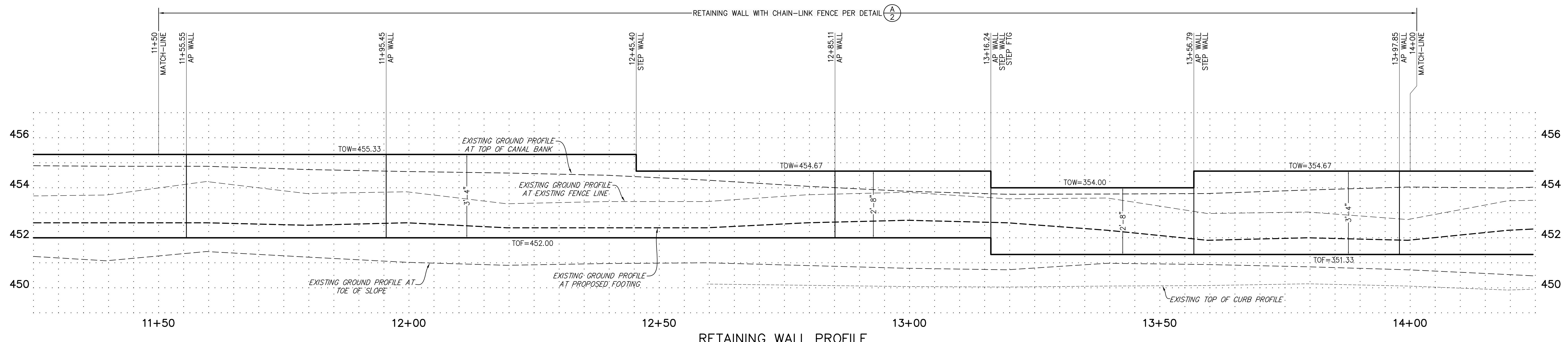
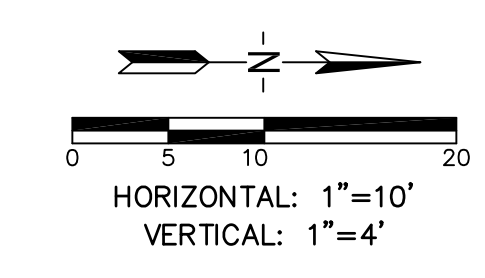
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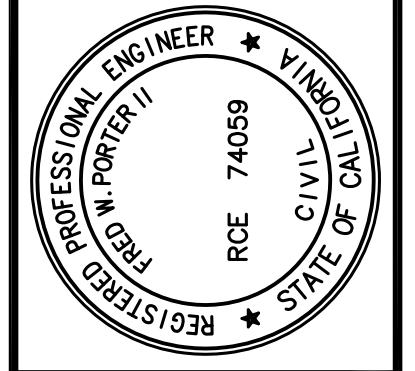
# EAST SIDE CANAL RETAINING WALL PROFILE



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661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MWC  
DRAFTSMAN: LQH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 11+50 - 14+00**

DATE 1/17/2024  
PA JOB No. 3306

SHEET  
**5**  
OF 11 SHEETS

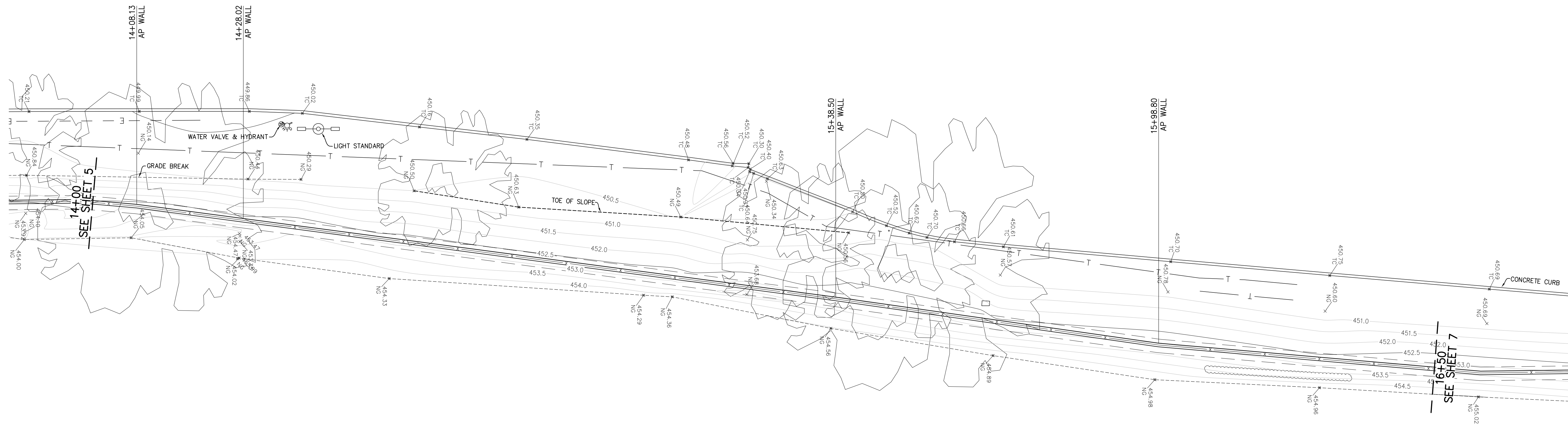
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**CONSTRUCTION NOTES**

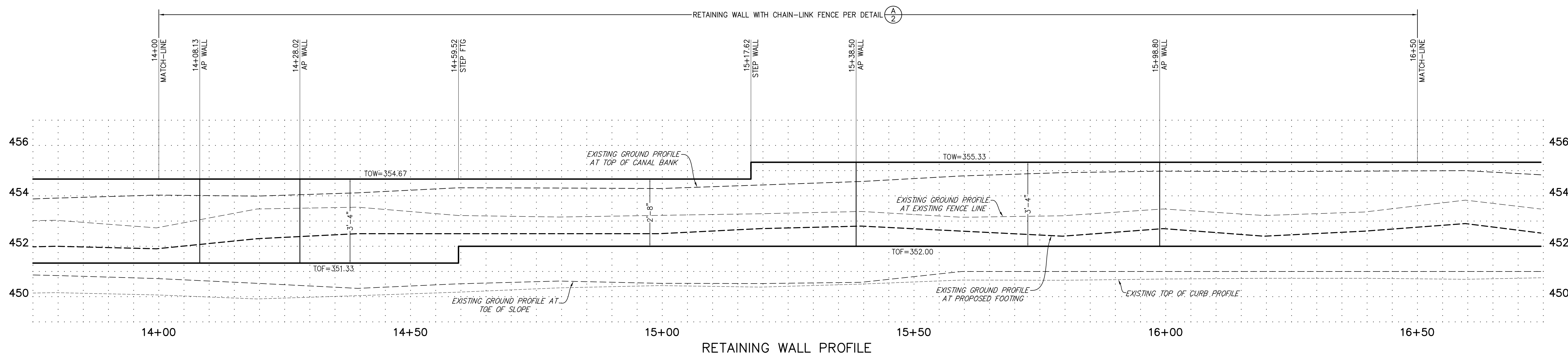
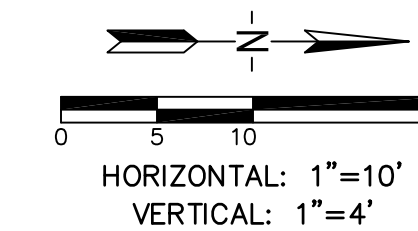
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# EAST SIDE CANAL RETAINING WALL PROFILE



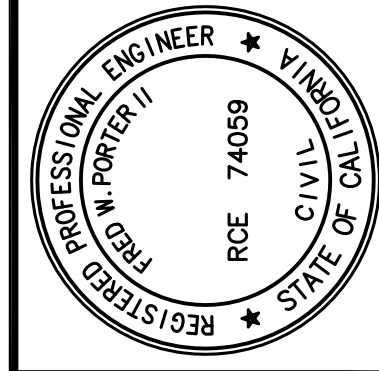
RETAINING WALL PROFILE

COB RECORDS No. \_\_\_\_\_

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FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LQH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 14+00 - 16+50**

DATE 1/17/2024  
PA JOB No. 3306

SHEET  
**6**  
OF 11 SHEETS

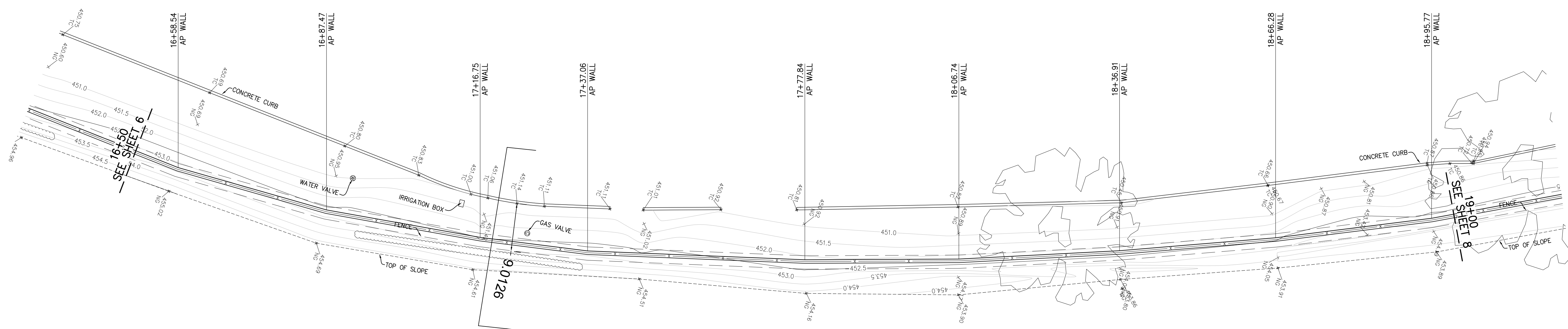
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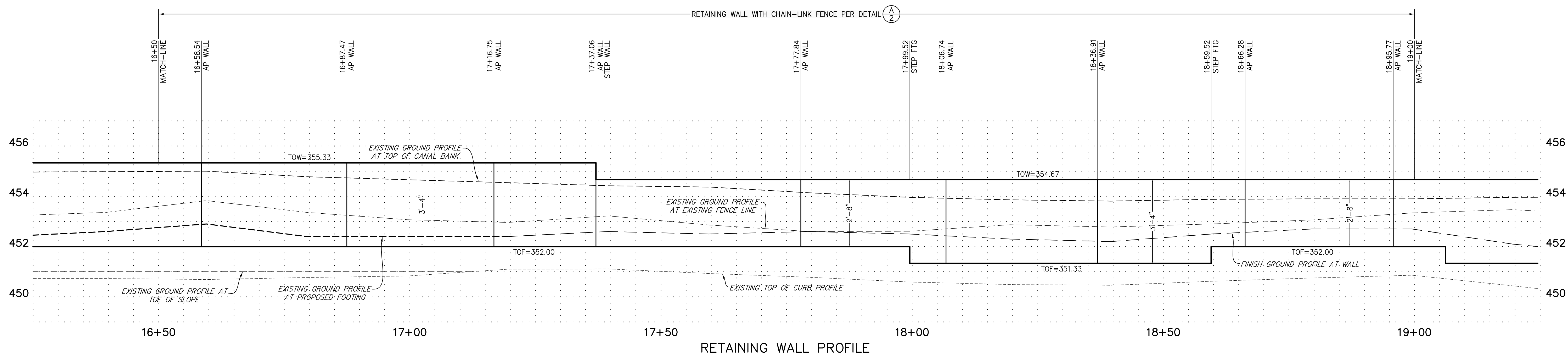
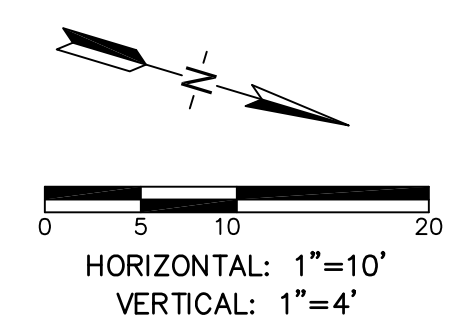
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# EAST SIDE CANAL RETAINING WALL PROFILE



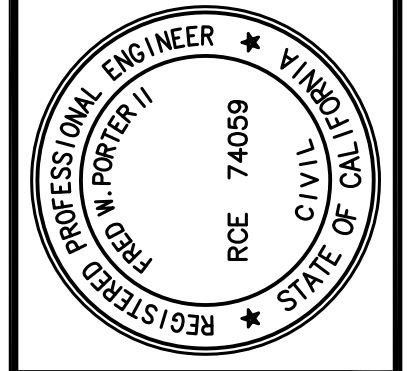
RETAINING WALL PROFILE

COB RECORDS No. \_\_\_\_\_

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1707 Elys Street Suite 111, Bakersfield, California 93301  
661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LQH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 16+50 - 19+00**

DATE 1/17/2024  
PA JOB No. 3306

SHEET  
**7**  
OF 11 SHEETS



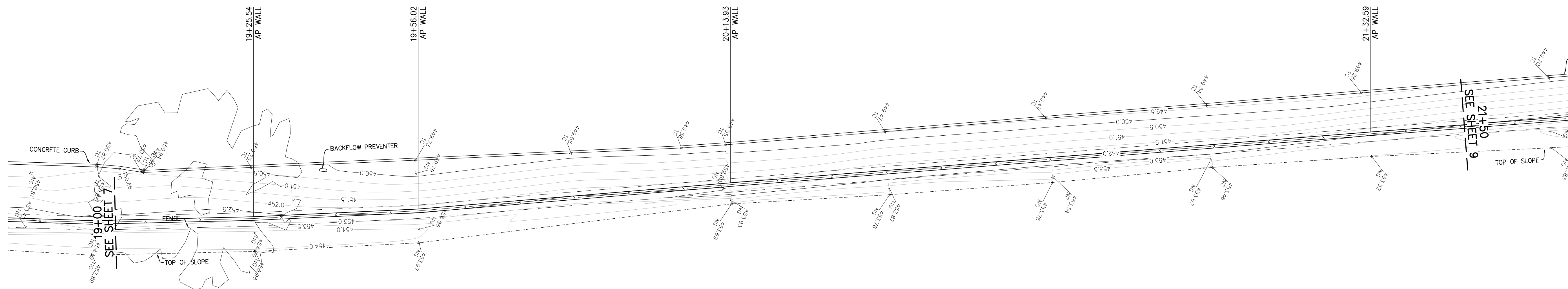
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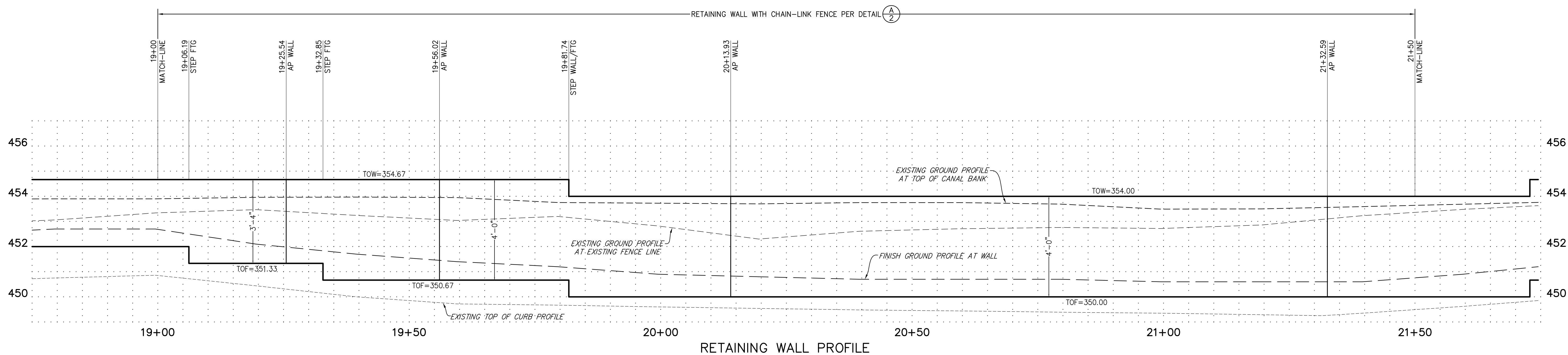
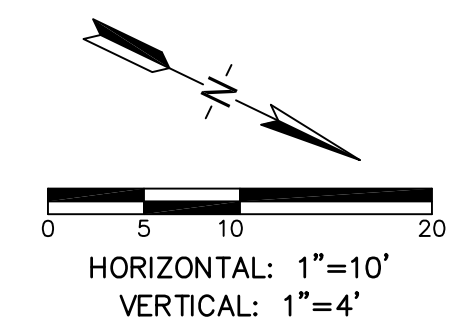
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# EAST SIDE CANAL RETAINING WALL PROFILE

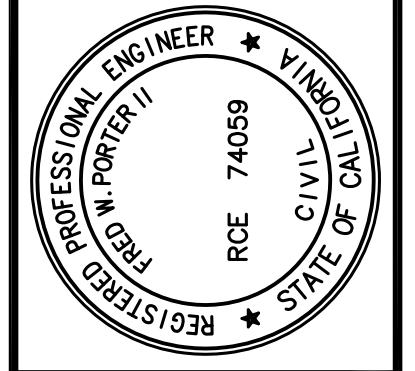


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661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LGH  
PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 19+00 - 21+50**

REVISIONS  
DATE 1/17/2024  
PA JOB No. 3306

SHEET  
**8**  
OF 11 SHEETS

COB RECORDS No. \_\_\_\_\_

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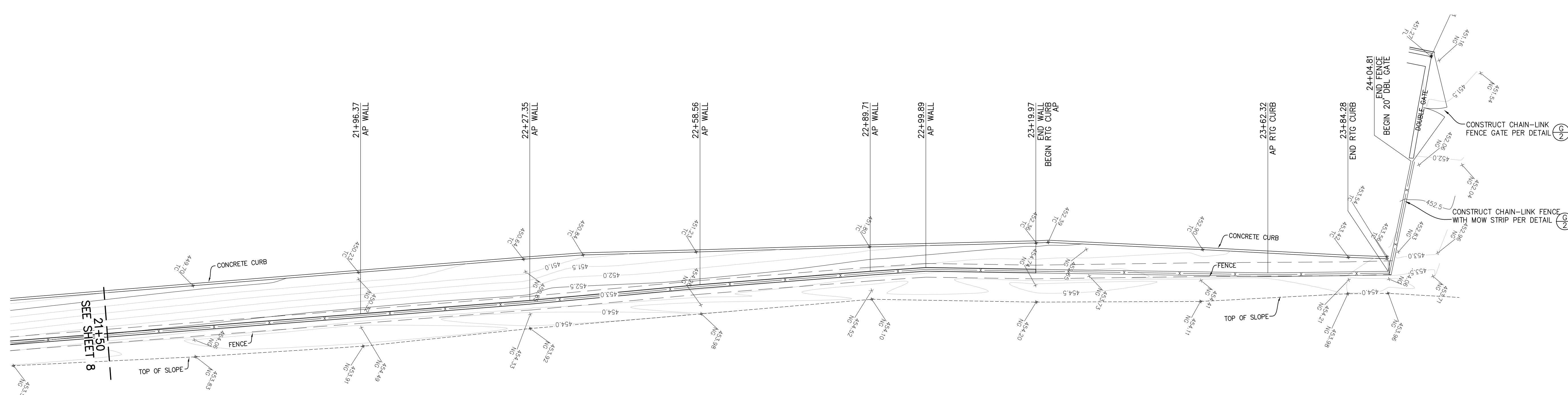
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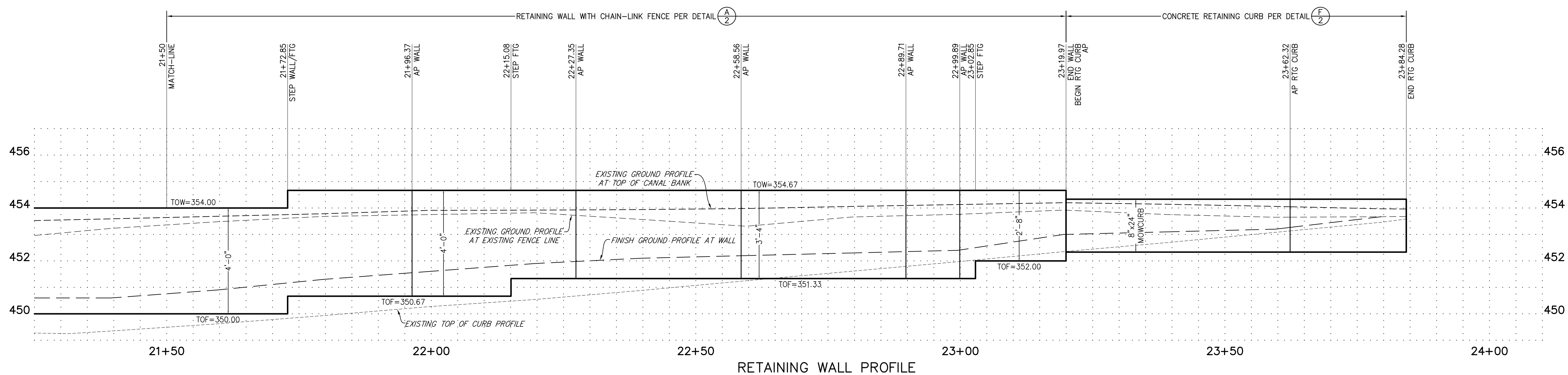
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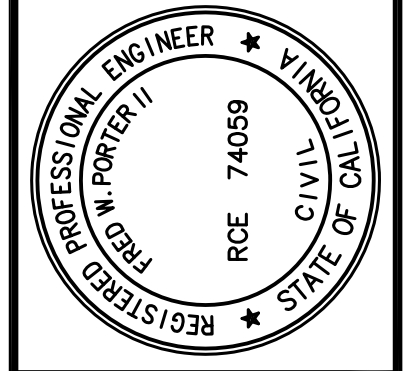
# EAST SIDE CANAL RETAINING WALL PROFILE



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PA REVIEW BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



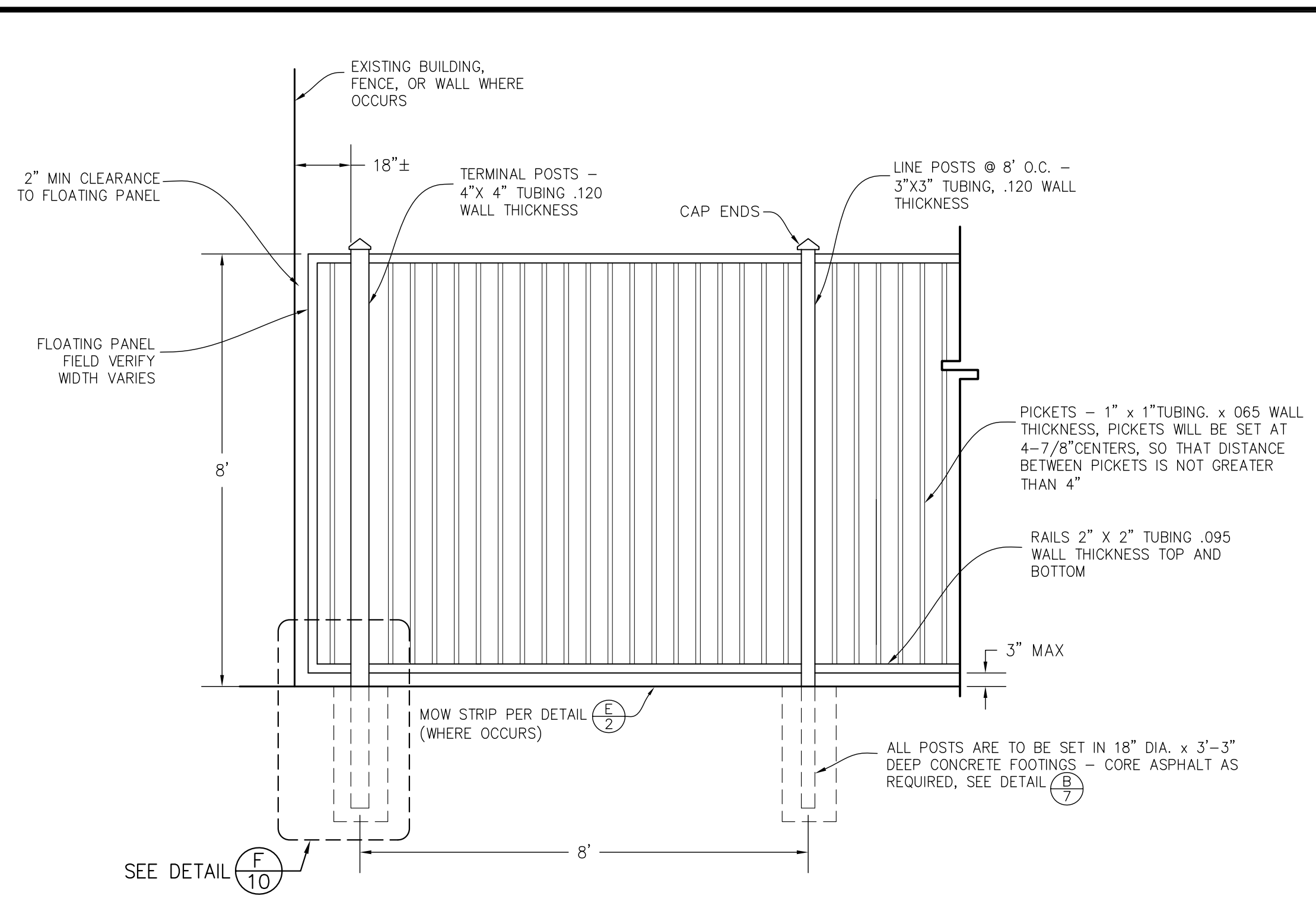
**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**STATION 21+50 - 24+07**

DATE 1/17/2024  
PA JOB No. 3306

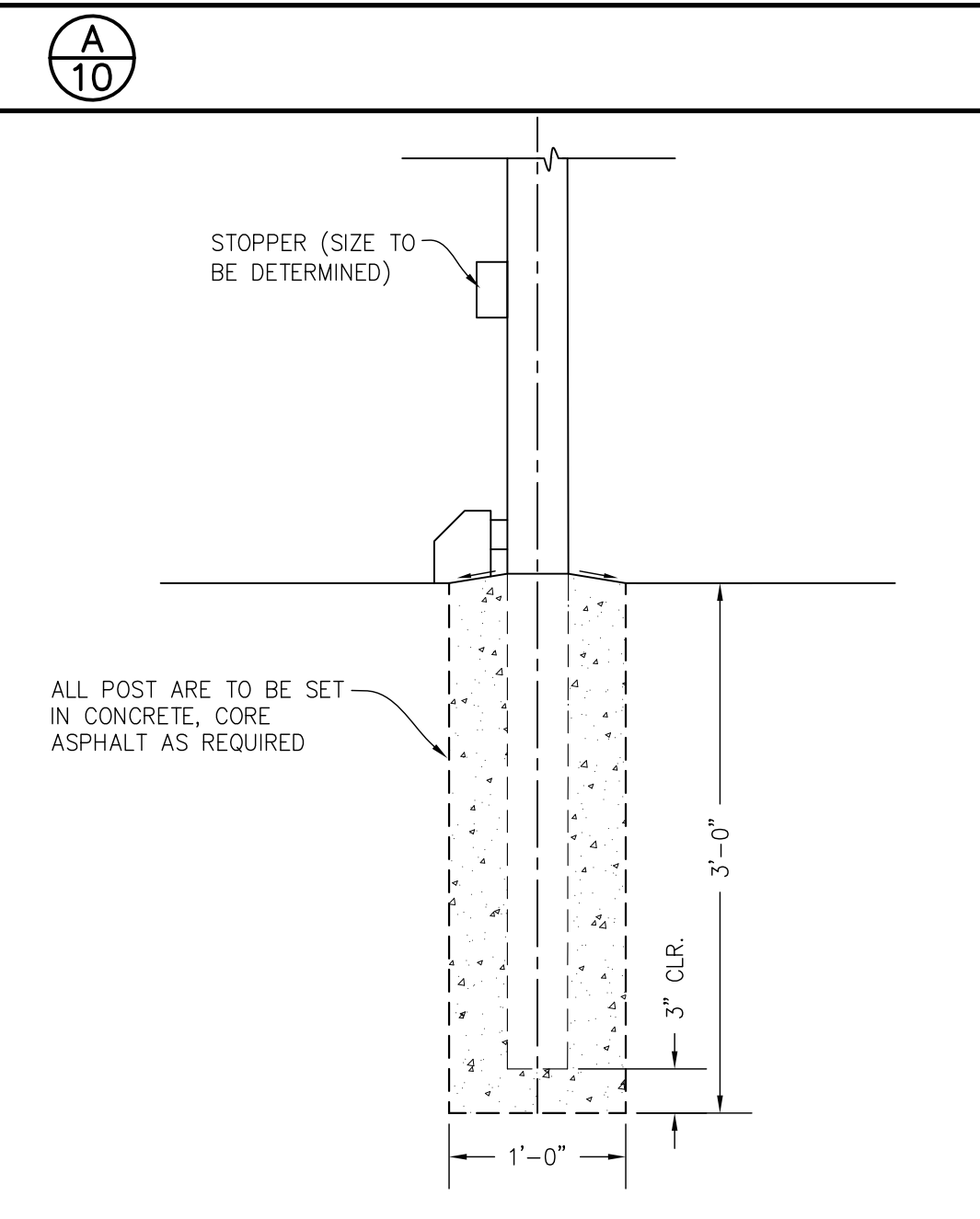
SHEET  
**9**  
OF 11 SHEETS

COB RECORDS No. \_\_\_\_\_

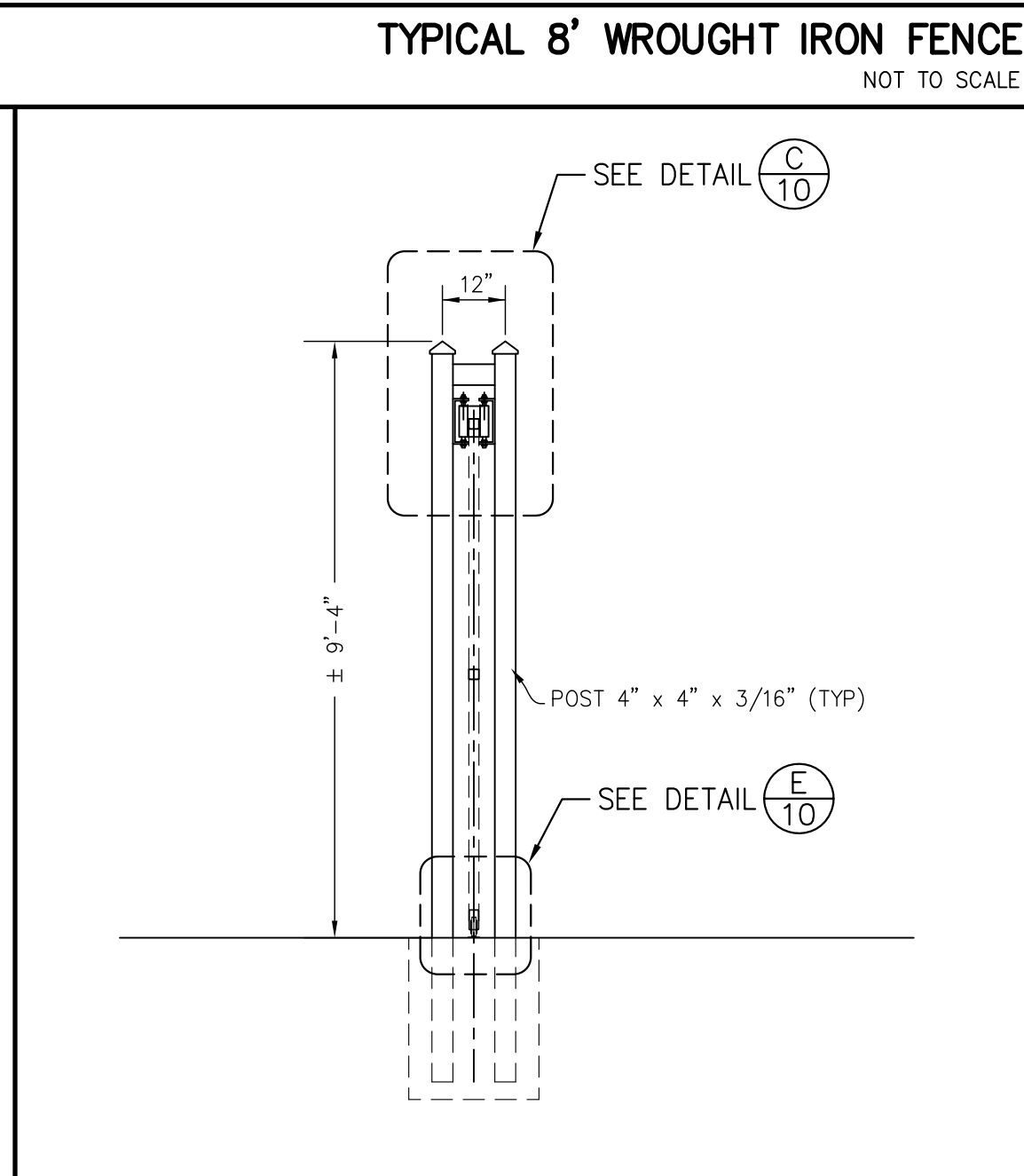
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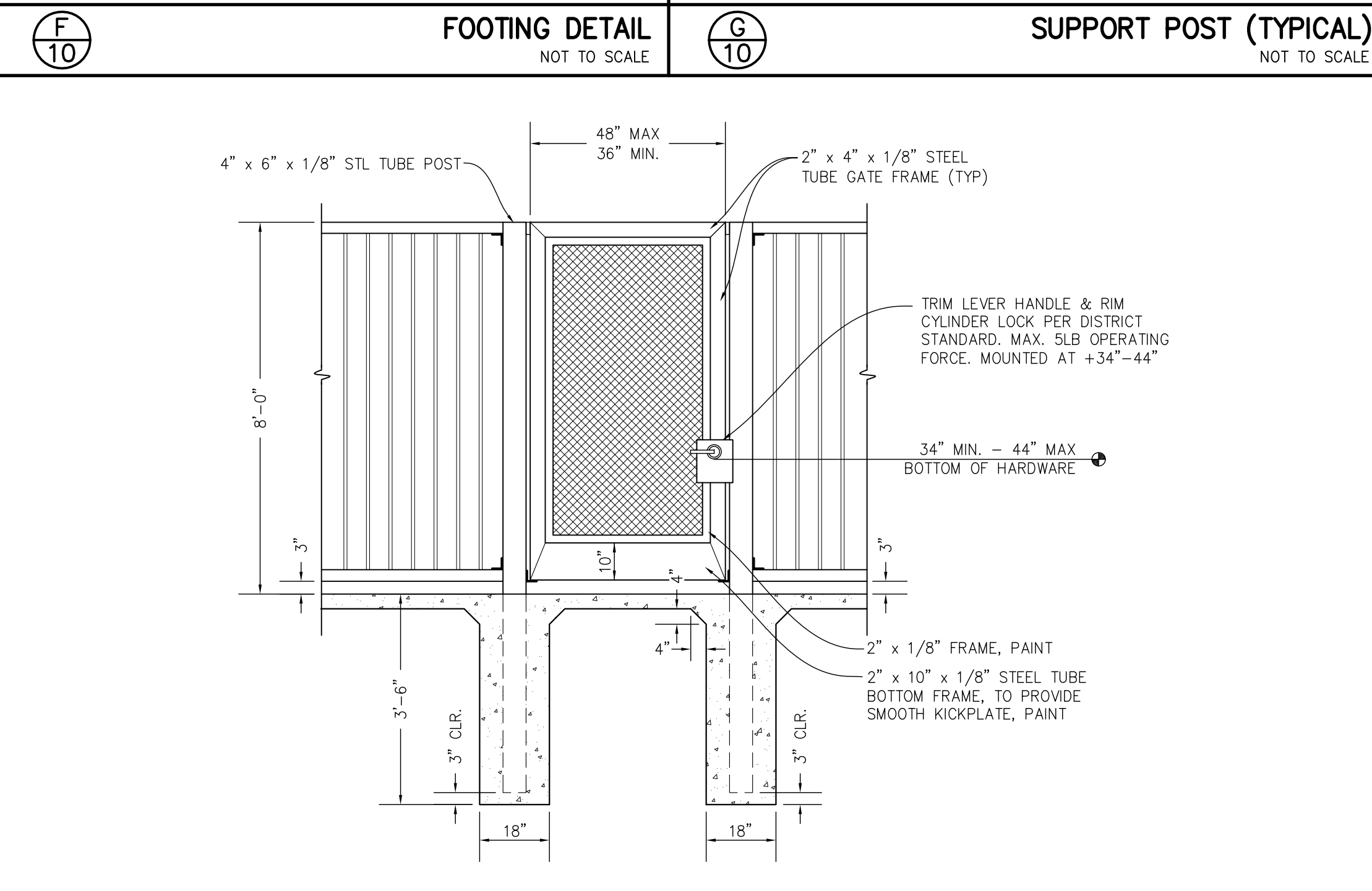
**TYPICAL 8' WROUGHT IRON FENCE**  
NOT TO SCALE



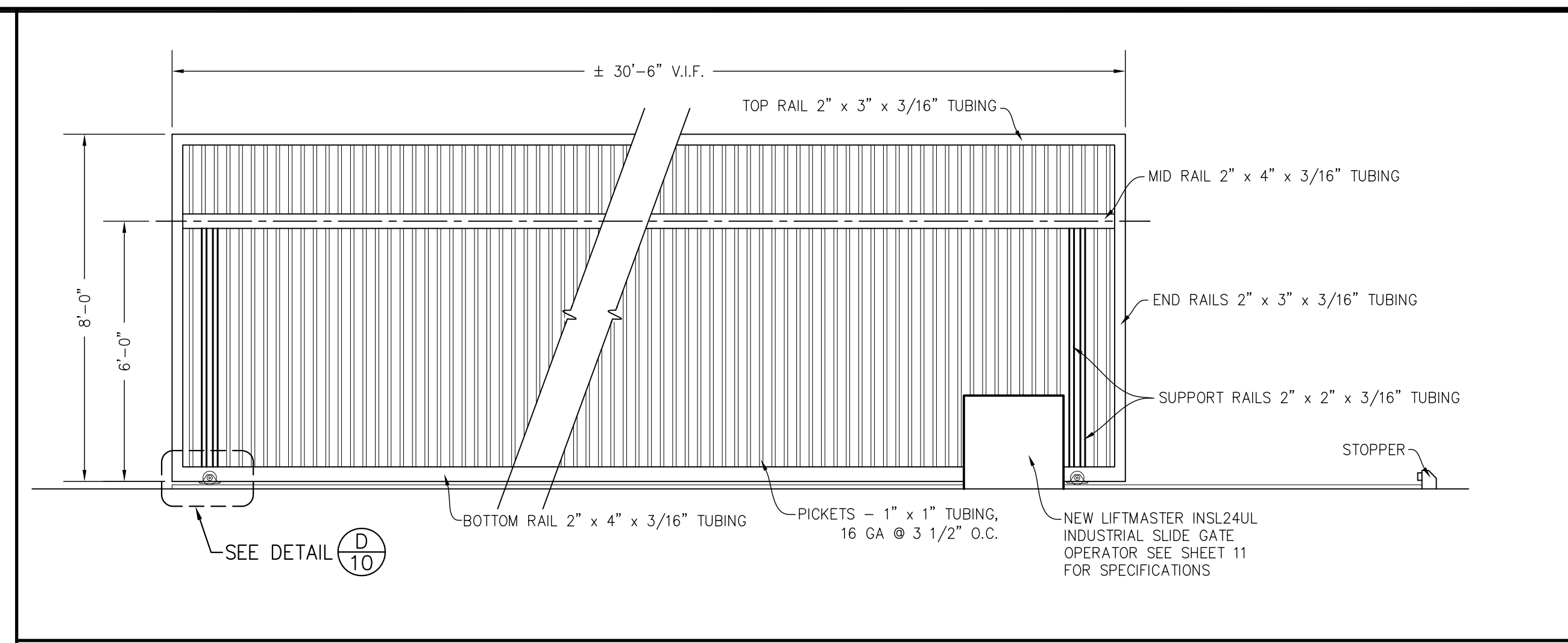
**FOOTING DETAIL**  
NOT TO SCALE



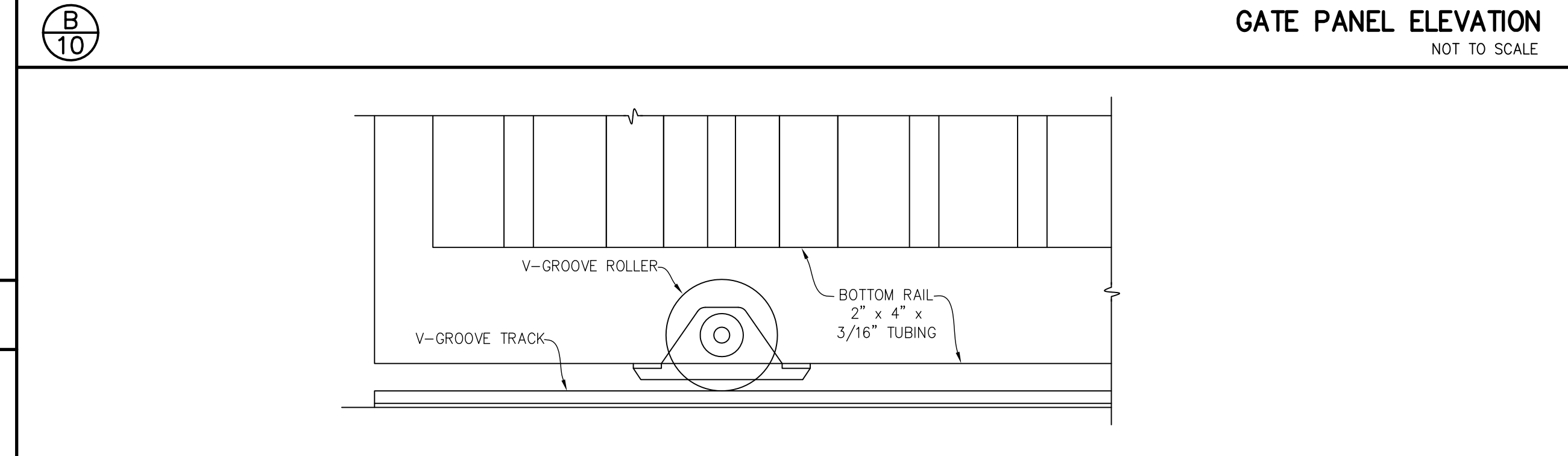
**SUPPORT POST (TYPICAL)**  
NOT TO SCALE



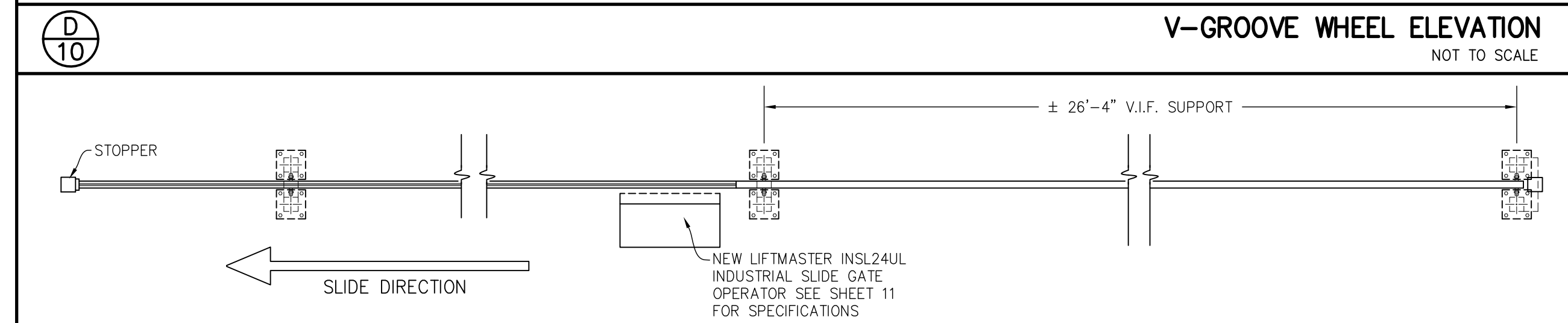
**DECORATIVE STEEL SINGLE GATE**  
NOT TO SCALE



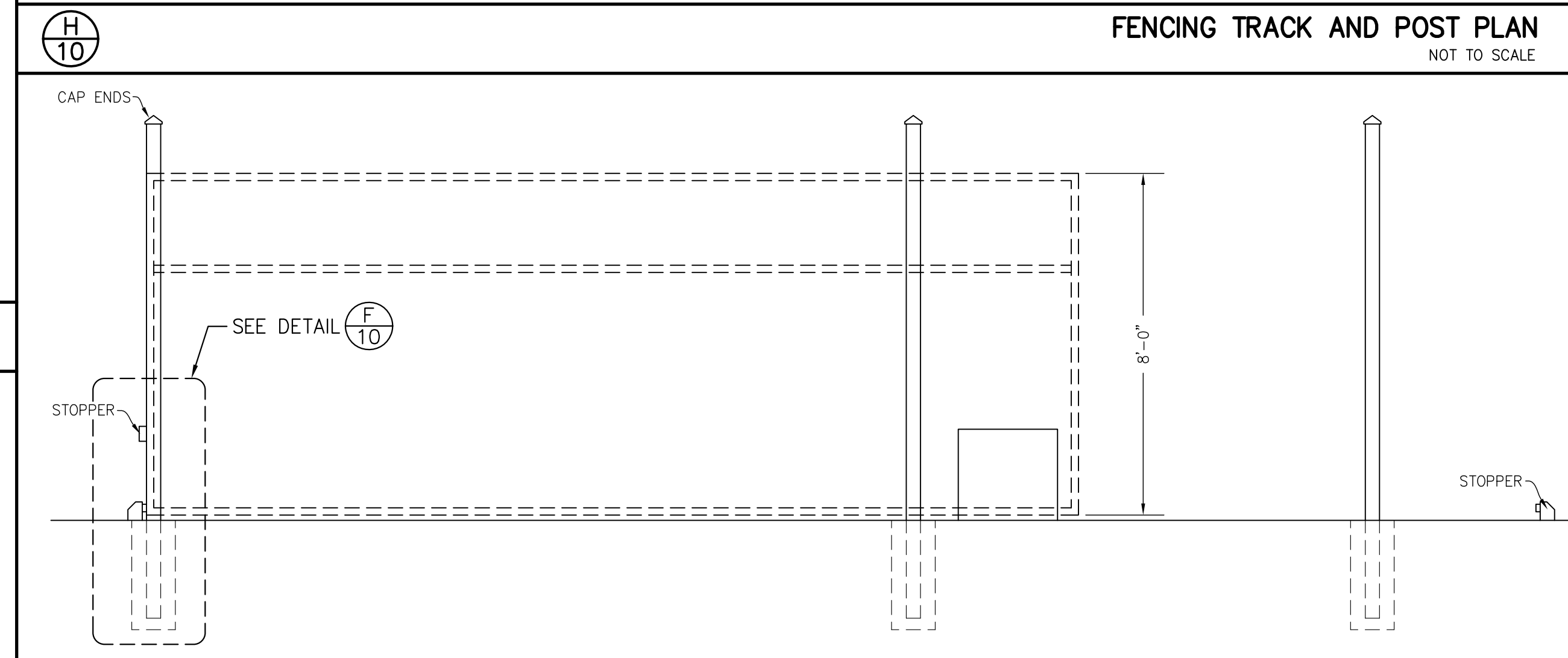
**GATE PANEL ELEVATION**  
NOT TO SCALE



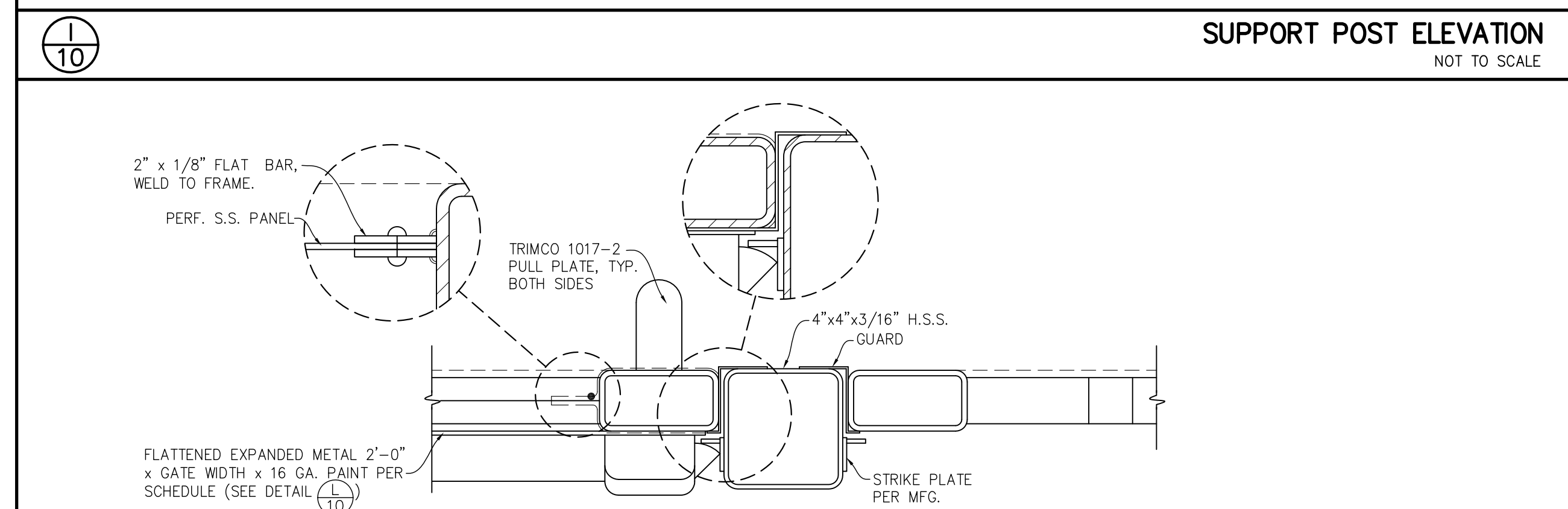
**V-GROOVE WHEEL ELEVATION**  
NOT TO SCALE



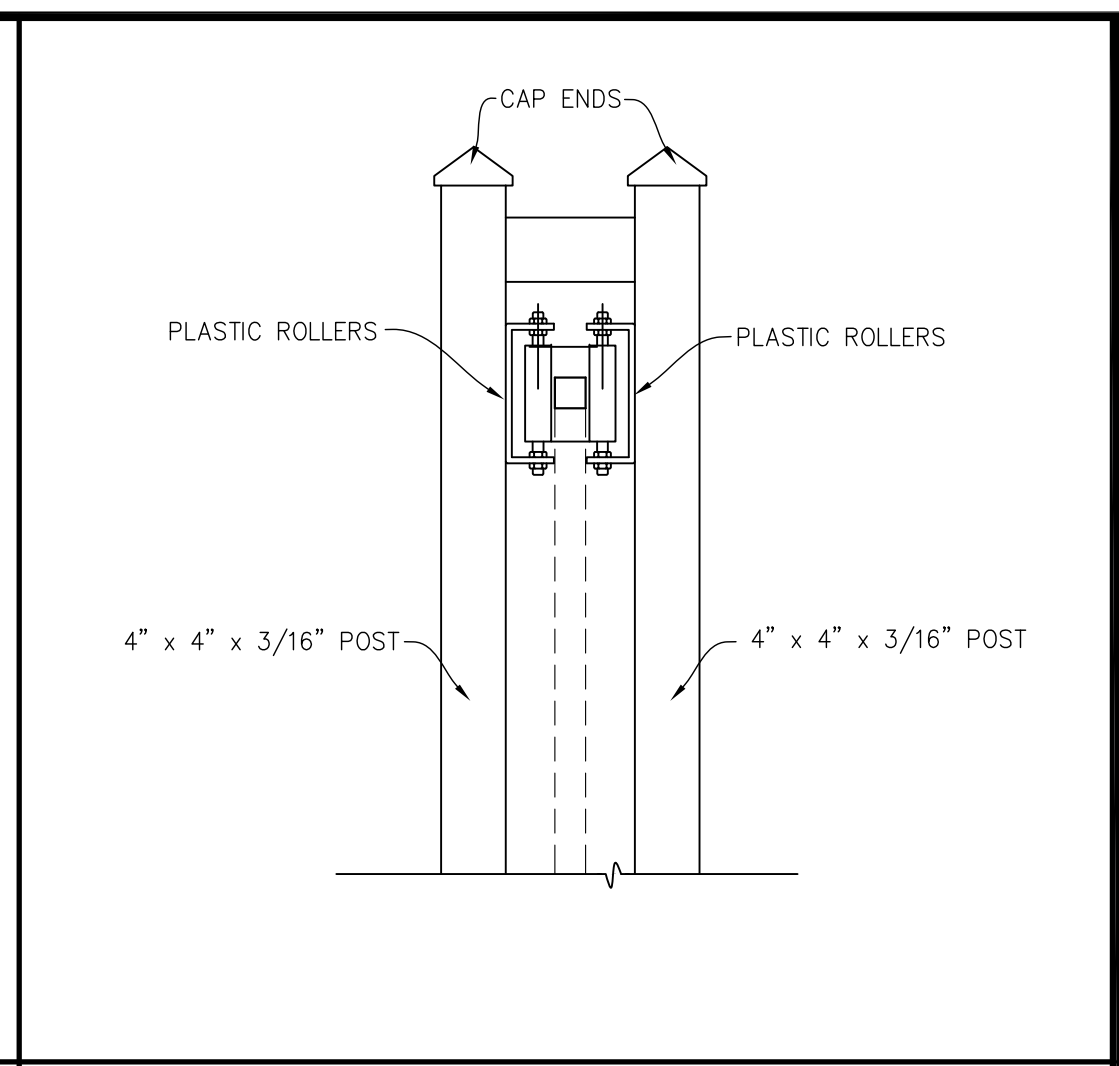
**FENCING TRACK AND POST PLAN**  
NOT TO SCALE



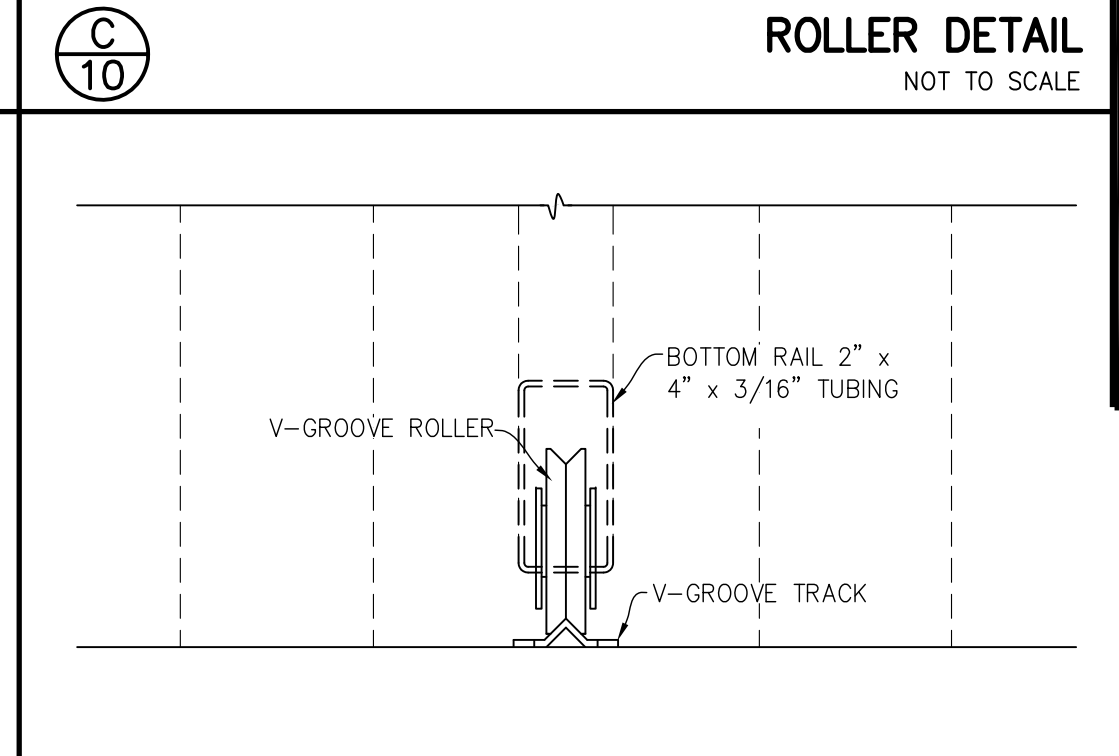
**SUPPORT POST ELEVATION**  
NOT TO SCALE



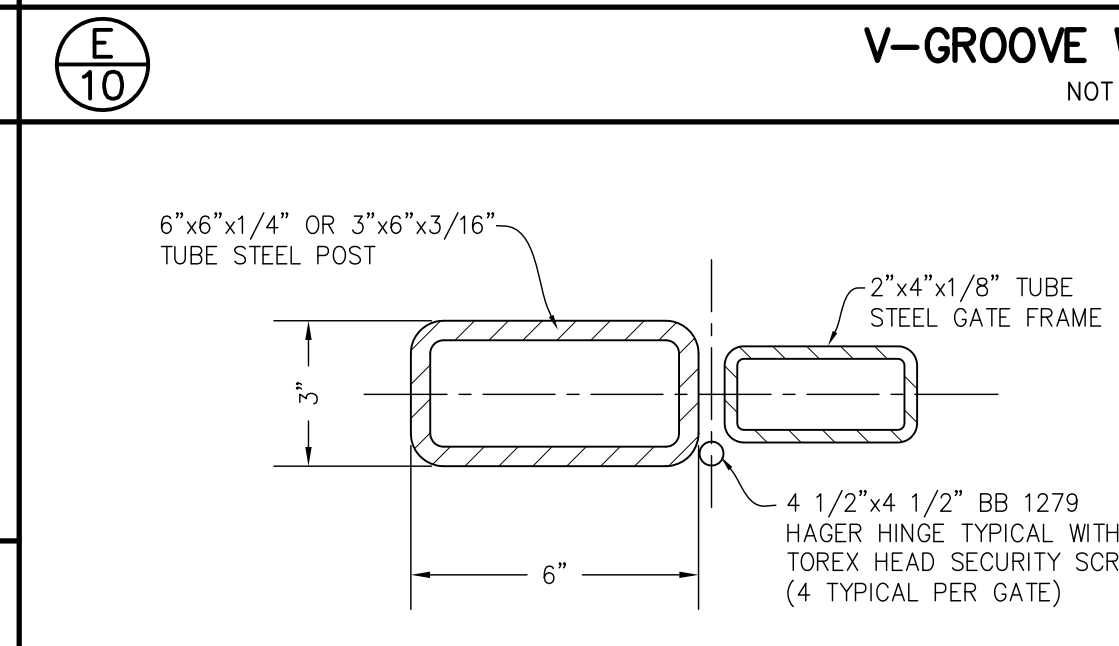
**GATE LOCKING DEVICE**  
NOT TO SCALE



**ROLLER DETAIL**  
NOT TO SCALE



**V-GROOVE WHEEL**  
NOT TO SCALE



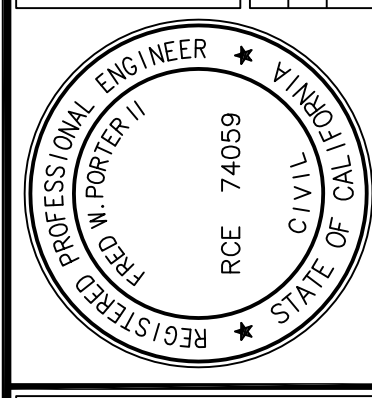
**GATE HINGE**  
NOT TO SCALE

**GATE LOCKING DEVICE**  
NOT TO SCALE

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FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LGH  
PA REVIEW BY: DATE:



**RETAINING WALL PLANS**  
**222 34th STREET**  
**BAKERSFIELD CITY SCHOOL DISTRICT**  
**WROUGHT IRON FENCE & GATE DETAILS**

DATE 1/17/2024  
PA JOB No. 3306

SHEET  
**10**  
OF 11 SHEETS

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# INSL24UL

24VDC Industrial Slide Gate Operator Section 32 31 00



DATA SHEET

### Key Features

- Steel Cabinet**: Weatherproof 14 gauge, NEMA 3R steel cabinet. Yes.
- Battery Backup**: Security+ 2.0\* 3-channel receiver will handle up to 50 remote controls (unlimited remotes with B11L/MX/B13L/MX).
- Remote Control Access**: myQ\* Facility cloud connection and myQ capability for secure monitoring and control of gate operator from anywhere\*.
- Internet Connectivity**: 6 inputs (main and expansion board).
- Monitored Safety Devices**: Yes.
- Solar-Power Capabilities**: LED diagnostic display.
- Diagnostic Display**: Eliminates expensive conduit costs and unsightly driveway scars.
- Wireless Dual-Gate Communication**: Bi-part delay or synchronized close.
- Dual-Gate Control**: Allows gate to auto open upon loss of AC power or battery depletion; includes manual release.
- Fire Department Compliant**: Electronic.
- Limit Setting**: LED diagnostic display.
- Diagnostic Display**: 2 programmable auxiliary relays accommodate more accessories such as warning lights/alarms.
- Programmable Auxiliary Relays**: Can be programmed with anti-tailgate or quick close capabilities.
- Unauthorized Access Prevention**: Version 4 or higher.
- Homelink\* Capability**: Version 4 or higher.

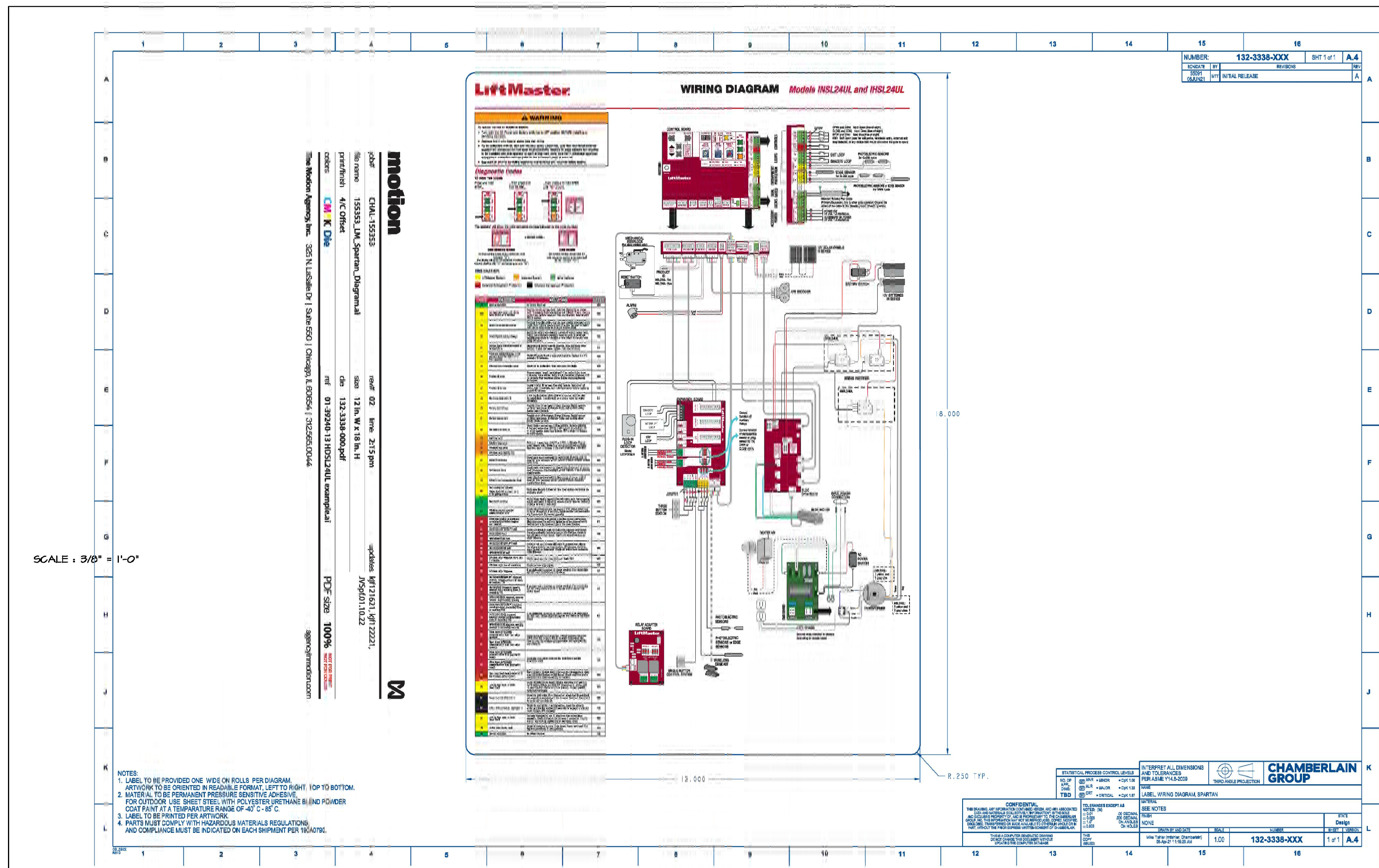
### Specifications

- Operator Speed**: 0.5 ft/sec to 1 ft/sec.
- Power**: 120V/240VAC single phase, optional 3 phase kit for 208/230/480VAC 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).
- UL Usage Classification**: 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 42:1 gear ratio.
- Cover/Cabinet**: Powder-coated, 14 gauge steel cabinet, oil tight, weatherproof.
- Chain**: NEMA 3R lockable cabinet.
- Recommended Capacities**: #40. Rated for gates up to 70 ft. in length and weighing up to 2200 lbs.

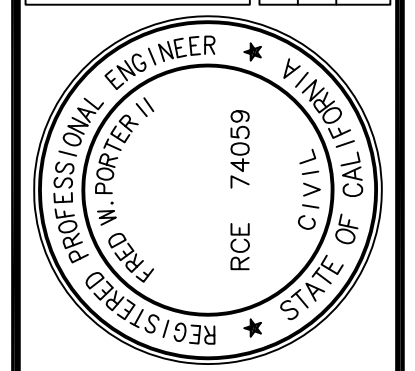
\*When linked with myQ Facility capable access control. Cellular data or Wi-Fi connection required.



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**PORTER & ASSOCIATES, INC.**  
ENGINEERING & SURVEYING  
1707 Ely Street, Suite 111, Bakersfield, California 93301  
661.327.0362

FRED W. PORTER II  
PROJECT ENGINEER: MVC  
DRAFTSMAN: LOH  
DATE:



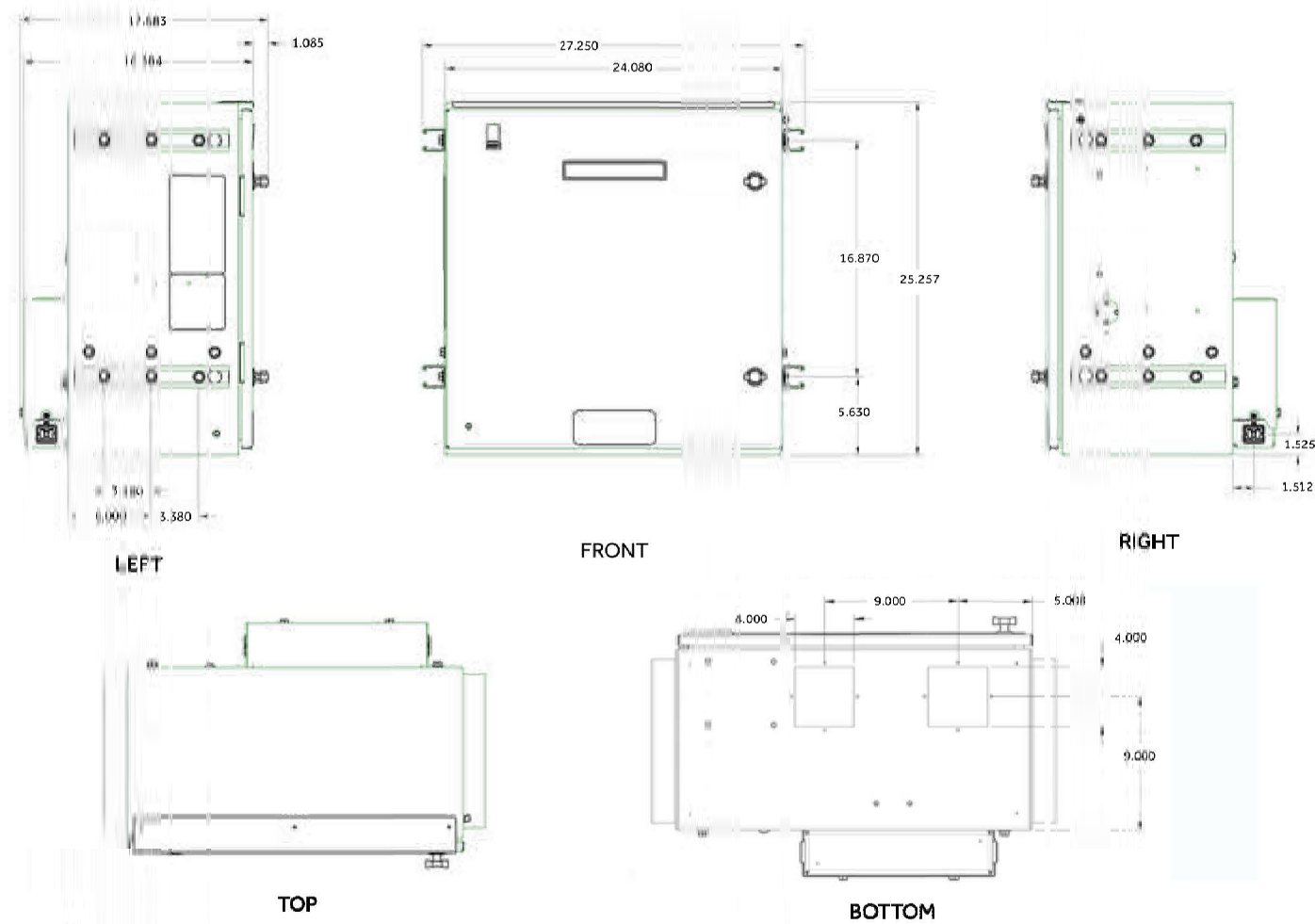
# INSL24UL

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



DATA SHEET

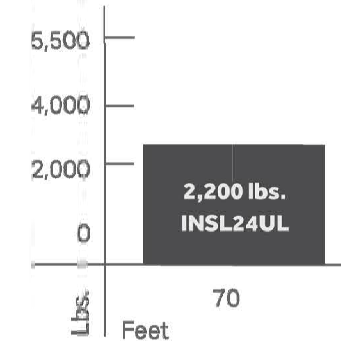
### Dimensions



### Capacity

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

### Recommended Capacity



Features	Residential Gate Operators					Elite Series DC Commercial Gate Operators		Heavy-Duty Commercial Gate Operators	
	LAG0PKUL	L4SDPKUL	L4SDMPKUL	RS4LDEL	RS4WDEL	CS4FDEL	CS4WDEL	HRS4FHR	HRS4WHR
<b>Description</b>	24VDC Linear Actuator	120VDC Solar Linear Actuator	24VDC Reversible Light Commercial Slide Gate Operator	120VDC Reversible Light Commercial Slide Gate Operator	120VDC Reversible Light Commercial Slide Gate Operator	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
<b>Max. Gate Weight</b>	850 lbs.	850 lbs.	1600 lbs.	800 lbs.	1000 lbs.	1500 lbs.	1600 lbs.	3000 lbs.	2400 lbs. (1200 lbs. supported on 48" track)
<b>Max. Gate Length</b>	16 ft.	16 ft.	15 ft.	25 ft.	34 ft.	50 ft.	10 ft.	75 ft. (4' 0" to 10' 0" in 14' 0" increments)	12 ft. (4' 0" to 12' 0" in 4' 0" increments)
<b>Gate Speed</b>	97" in 10-17 sec.	97" in 23-25 sec.	97" in 10-17 sec.	107" in 10-17 sec.	97" in 12-15 sec.	127" in 12-15 sec.	97" in 12-15 sec.	61" in 12-15 sec.	97" in 12-15 sec.
<b>Recommended Cycles</b>	100 cycles	100 cycles	300 cycles	120 cycles	250 cycles	Continuous Duty	Continuous Duty	Continuous Duty	Continuous Duty
<b>Battery Backup</b>	400 cycles	Not Applicable - Solar	500 cycles	114 cycles	147 cycles	200 cycles	148 cycles	45 cycles	45 cycles
<b>Security+ 2.0*</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>myQ Enabled</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Monitored Safety Inputs (200-Code)</b>	3 inputs	3 inputs	6 inputs (Main and Expansion Board)	3 inputs	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)
<b>Standby Power</b>	Up to 57 amps	Up to 128 amps	Up to 24 amps	Up to 63 amps	Up to 63 amps	Up to 24 amps	Up to 24 amps	Up to 120 amps	Up to 120 amps
<b>Solar Performance - Cycles per Day</b>	Approx. 81 cycles*	Approx. 100 cycles*	Approx. 43 cycles*	Approx. 33 cycles*	Approx. 41 cycles*	Approx. 20 cycles*	Approx. 18 cycles*	Approx. 12 cycles*	Approx. 14 cycles*
<b>DC Motor with Smooth Start/Stop</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Standard Fit)	Yes (Standard Fit)
<b>Diagnostic Code Display - 2-Digit LED</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Wireless Dual-Gate Operation</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Warranty Period</b>	2 Years	2 Years	2 Years	3 Years	3 Years	7 Years Residential / 5 Years Commercial	7 Years Residential / 5 Years Commercial	7 Years Residential / 5 Years Commercial	7 Years Residential / 5 Years Commercial
<b>Standard Power</b>	115V Single Phase	Solar Power	115V/208V Single Phase	115V Single Phase	115V Single Phase	115V/208V Single Phase	115V/208V Single Phase	115V/208V Single Phase	115V/208V Single Phase

\*Cycles noted are for Zone 1 with a 10W solar panel (8 hours sunlight per day).  
\*\*Cycles noted are for Zone 1 with a 20W solar panel (8 hours sunlight per day).  
Note: LMRRLUL/MTREU. Heater option not recommended for solar applications. Heater option diminishes Standby time and cycles for Battery Backup.

### UL 325 Listed Gate Operator Feature Chart

For specifications and information on all our products, visit [LiftMaster.com/TOTALPAS](http://LiftMaster.com/TOTALPAS)

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RETAINING WALL PLANS  
222 34th STREET  
BAKERSFIELD CITY SCHOOL DISTRICT  
GATE OPENER DETAILS

DATE 1/17/2024  
PA JOB No. 3306

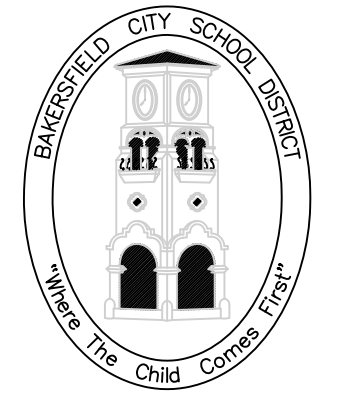
SHEET 11 OF 11 SHEETS



DESCRIPTION:  
 REPLACEMENT OF EXISTING CHAINLINK FENCING AND ENTRY GATES AT STREET FRONTAGE WITH NEW 8' STEEL FENCING.

DRAWING INDEX	
SHEET NO.	DRAWING TITLE
A-100	VICINITY PLAN / NOTES
A-101	SITE PLAN
A-110	ENLARGED FENCING PLANS
A-200	ELEVATIONS
A-300	DETAILS
A-301	DETAILS
A-302	DETAILS
A-303	DETAILS, SPECS.
A-400	GATE OPERATION SPEC.

APPROVAL STAMP



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 BAKERSFIELD, CA 93307  
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 FAX: (661) 864-4926

PROJECT:  
 GATE AND  
 FENCING  
 REPLACEMENT

DRAWINGS FOR:  
 SPECIAL ED/  
 HEALTH SERV.  
 222 34th STREET  
 BAKERSFIELD, CA 93301

CONSULTANT:  
 PORTER &  
 ASSOC.  
 1707 EYE STREET, SUITE III  
 BAKERSFIELD, CA 93301

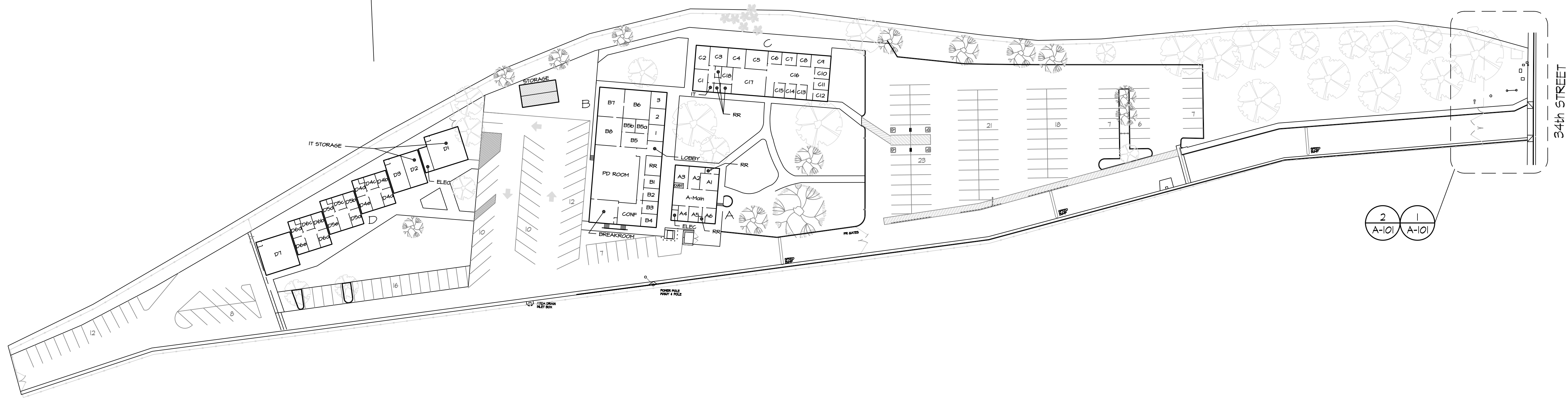
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SHEET TITLE:  
 VICINITY  
 PLAN

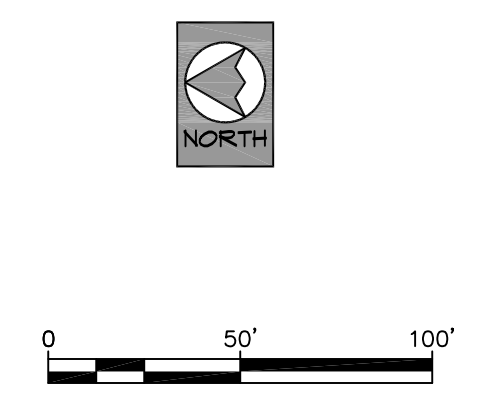
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SHEET NO.:  
 A-100

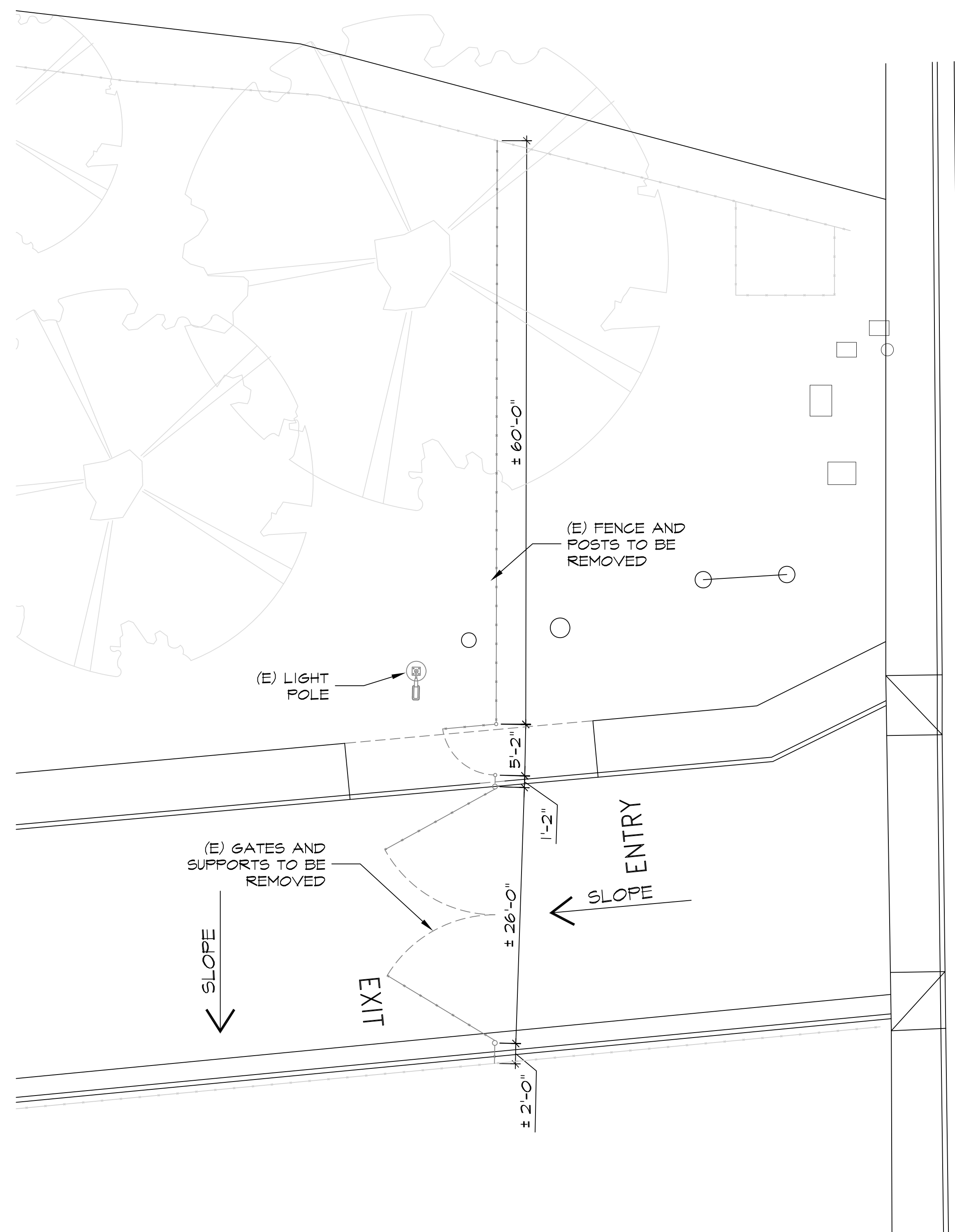
RELEASE:  
 DATE: 4/16/24



1  
 A-000  
**VICINITY PLAN**



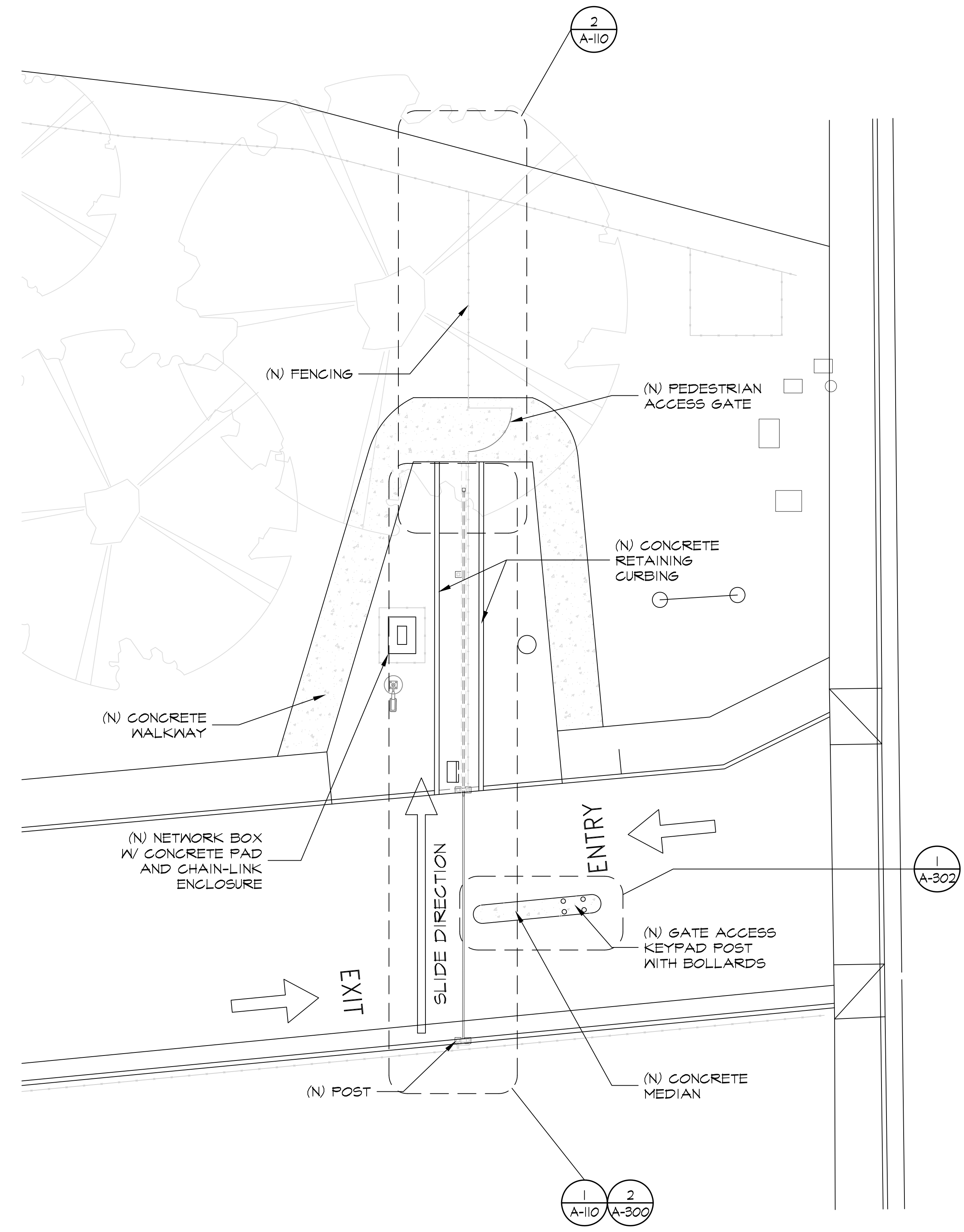




**EXISTING ENTRY GATE AND FENCE PLAN**

1  
A-101

SCALE: 1/8"=1'-0" (IN FEET)  
0 4 8 16

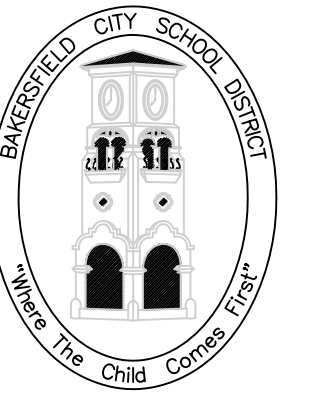


**NEW ENTRY GATE AND FENCE PLAN**

2  
A-101

SCALE: 1/8"=1'-0" (IN FEET)  
0 4 8 16

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PROJECT:  
**GATE AND FENCING REPLACEMENT**

DRAWINGS FOR:  
**SPECIAL ED/ HEALTH SERV.**  
222 34th STREET  
BAKERSFIELD, CA 93301

CONSULTANT:  
**PORTER & ASSOC.**  
1707 EYE STREET, SUITE III  
BAKERSFIELD, CA 93301

REV. NO.:	TITLE:
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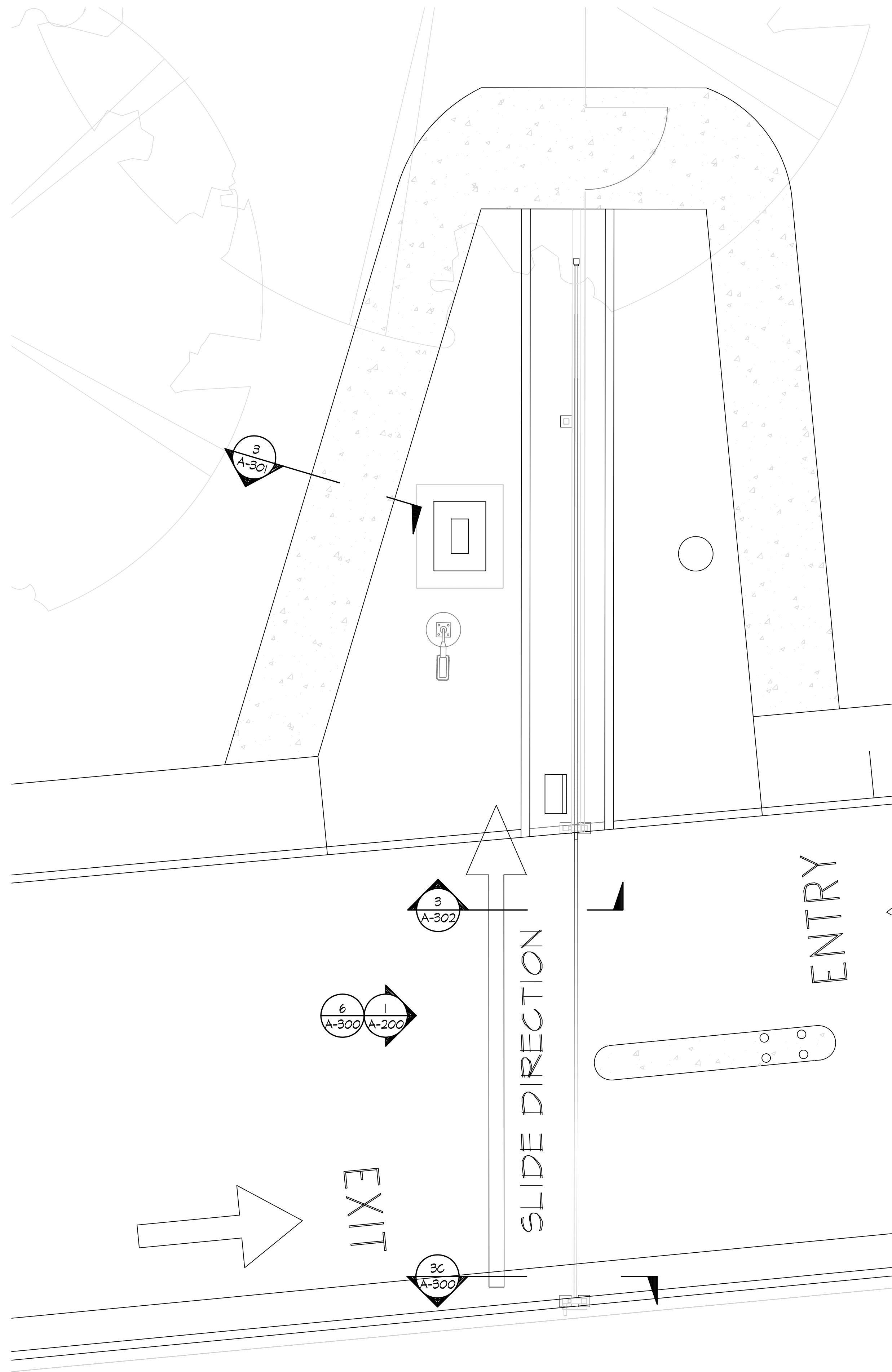
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**ENLARGED ENTRY PLAN**

PROJECT NO.:  
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SHEET NO.:  
**A-101**

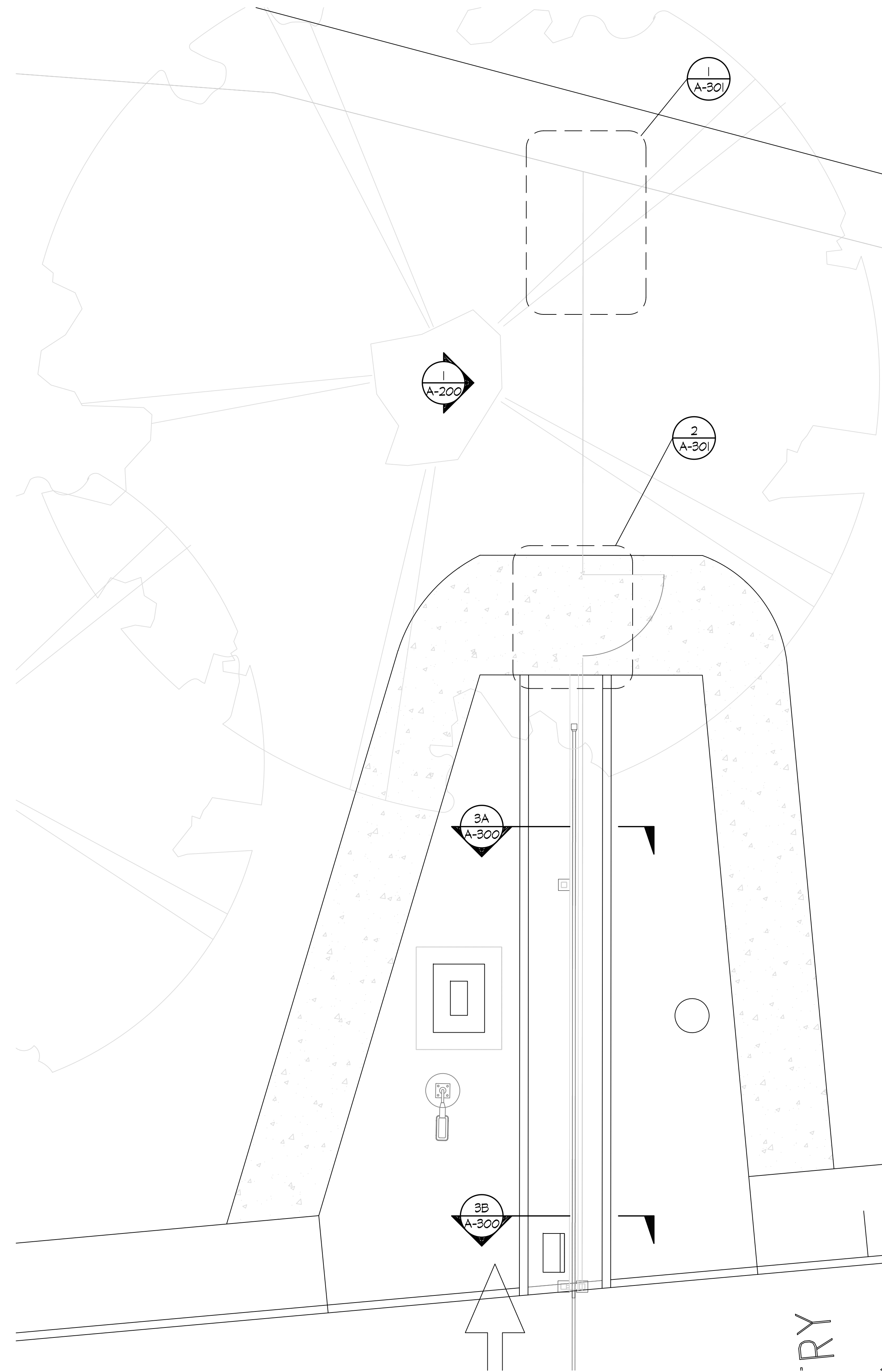
RELEASE:  
DATE: 4/16/24





1 A-110 ENLARGED SLIDING GATE AND FENCE PLAN

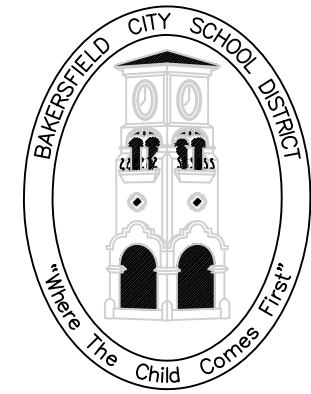
SCALE: 1/4"=1'-0" (IN FEET)  
0 2 4 8



2 A-110 ENLARGED ENTRY GATE AND FENCE PLAN

SCALE: 1/4"=1'-0" (IN FEET)  
0 2 4 8

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FAX: (661) 864-9826

PROJECT:

GATE AND  
FENCING  
REPLACEMENT

DRAWINGS FOR:

SPECIAL ED/  
HEALTH SERV.

222 34th STREET  
BAKERSFIELD, CA 93301

CONSULTANT:

PORTER &  
ASSOC.

1707 EYE STREET, SUITE III  
BAKERSFIELD, CA 93301

REV. NO.:

TITLE:

1

SHEET TITLE:

ENLARGED  
FENCING  
PLAN

PROJECT NO.:

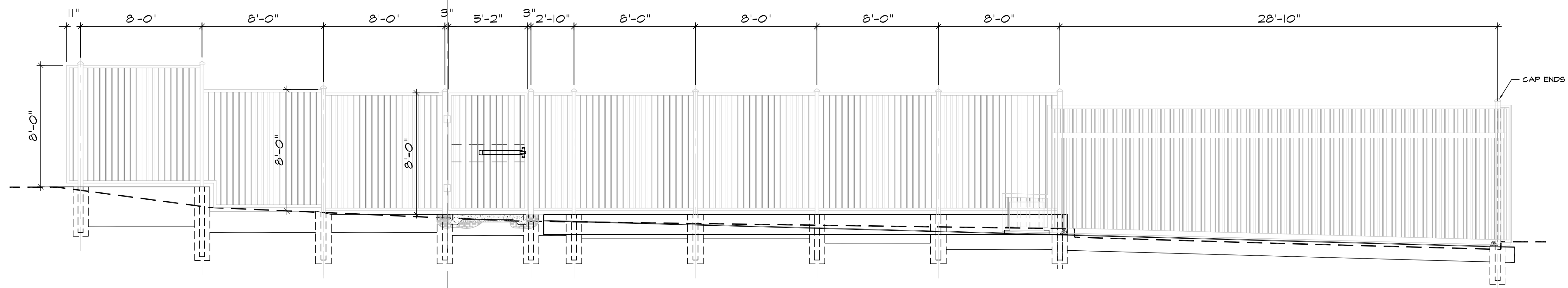
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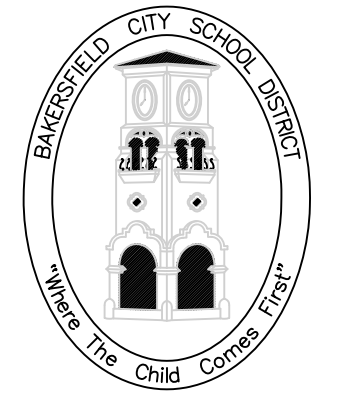
DATE: 4/16/24



**1 FENCING ELEVATION**

SCALE: 1/4"=1'-0" (IN FEET)  
 0 2' 4' 8'

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 FAX: (661) 864-4926

PROJECT:  
**GATE AND  
 FENCING  
 REPLACEMENT**

DRAWINGS FOR:  
**SPECIAL ED/  
 HEALTH SERV.**  
 222 34th STREET  
 BAKERSFIELD, CA 93301

CONSULTANT:  
**PORTER &  
 ASSOC.**  
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 BAKERSFIELD, CA 93301

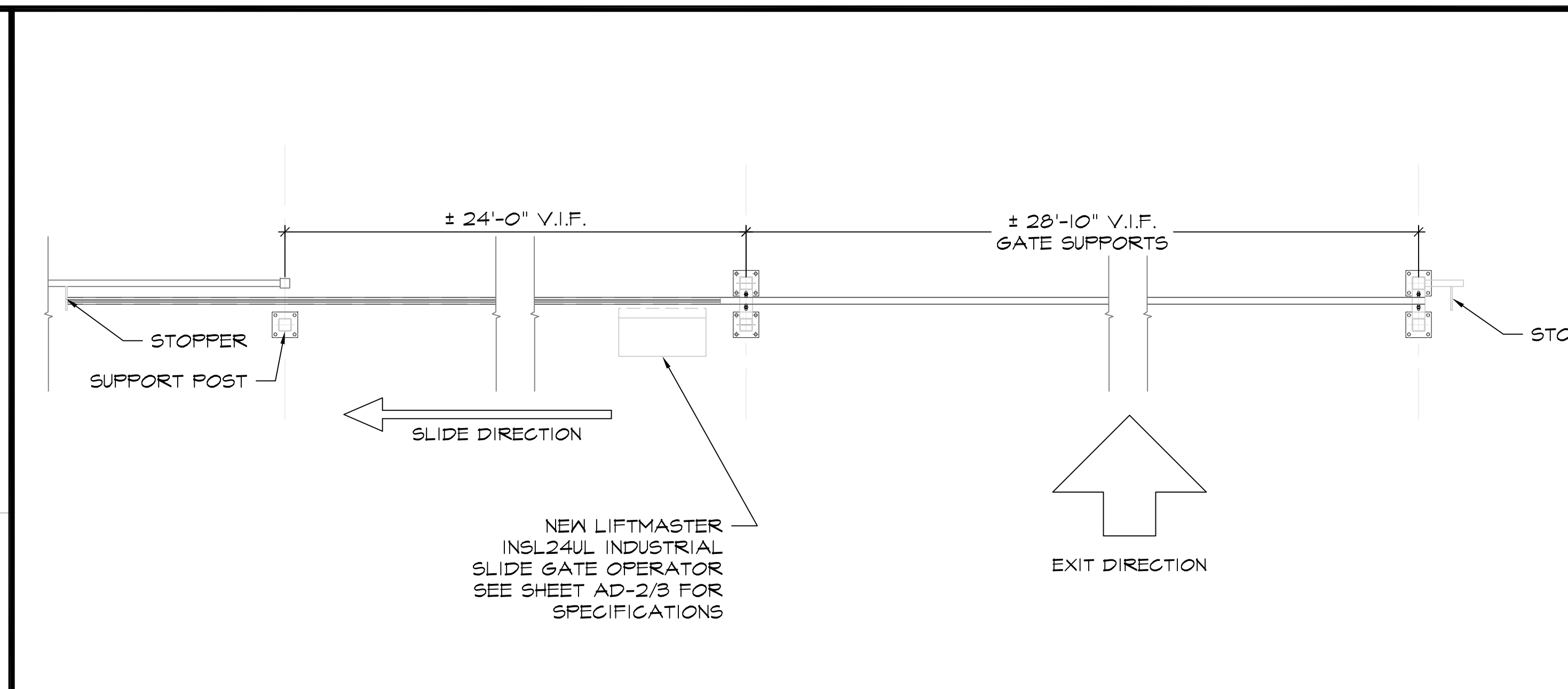
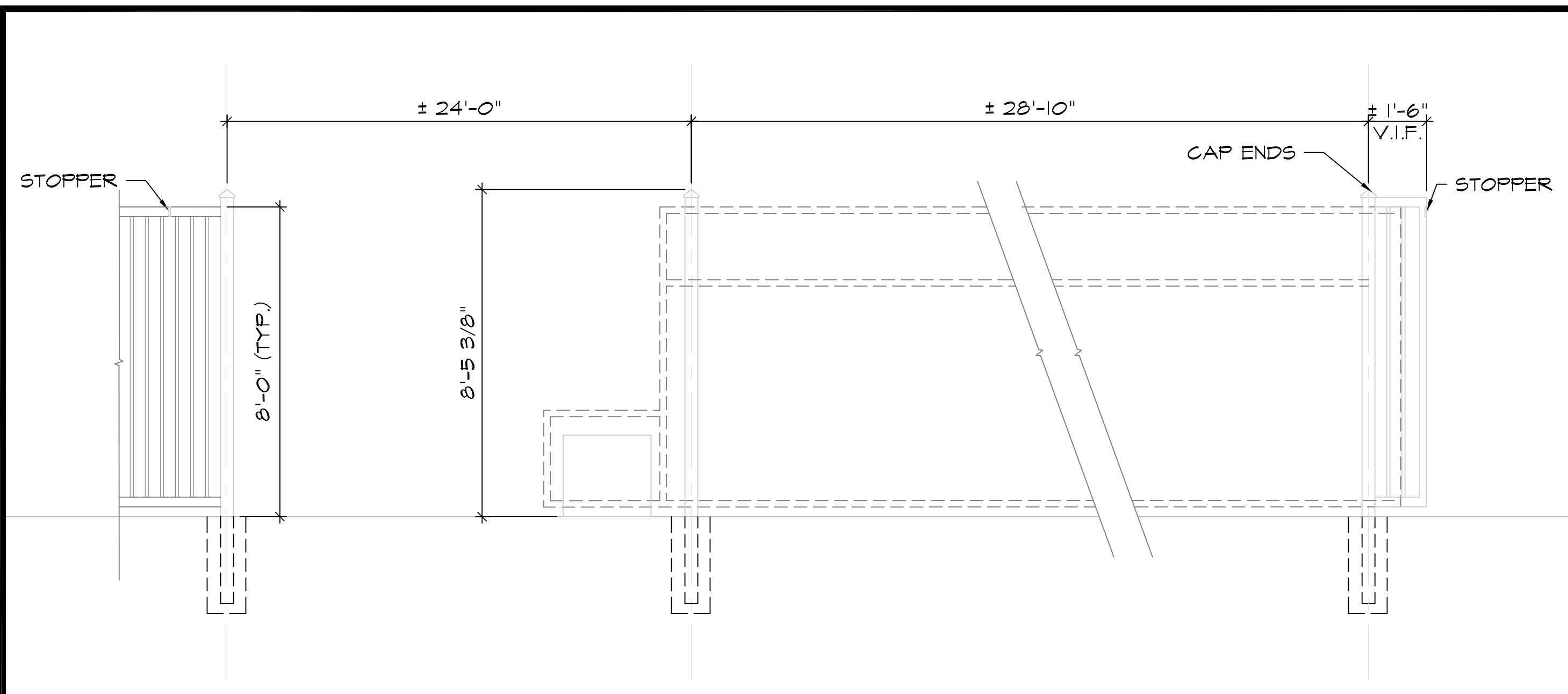
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**ELEVATION**

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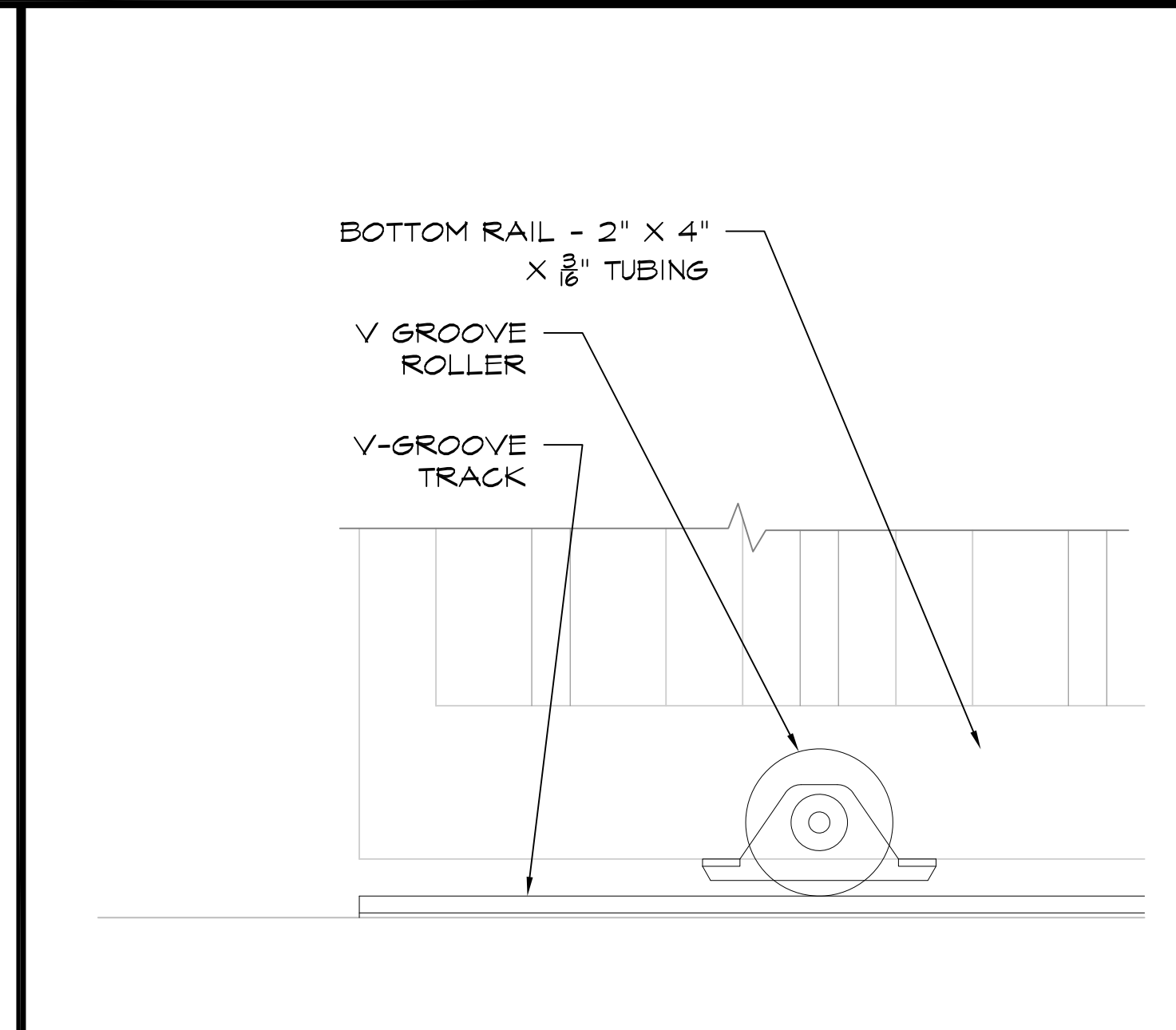
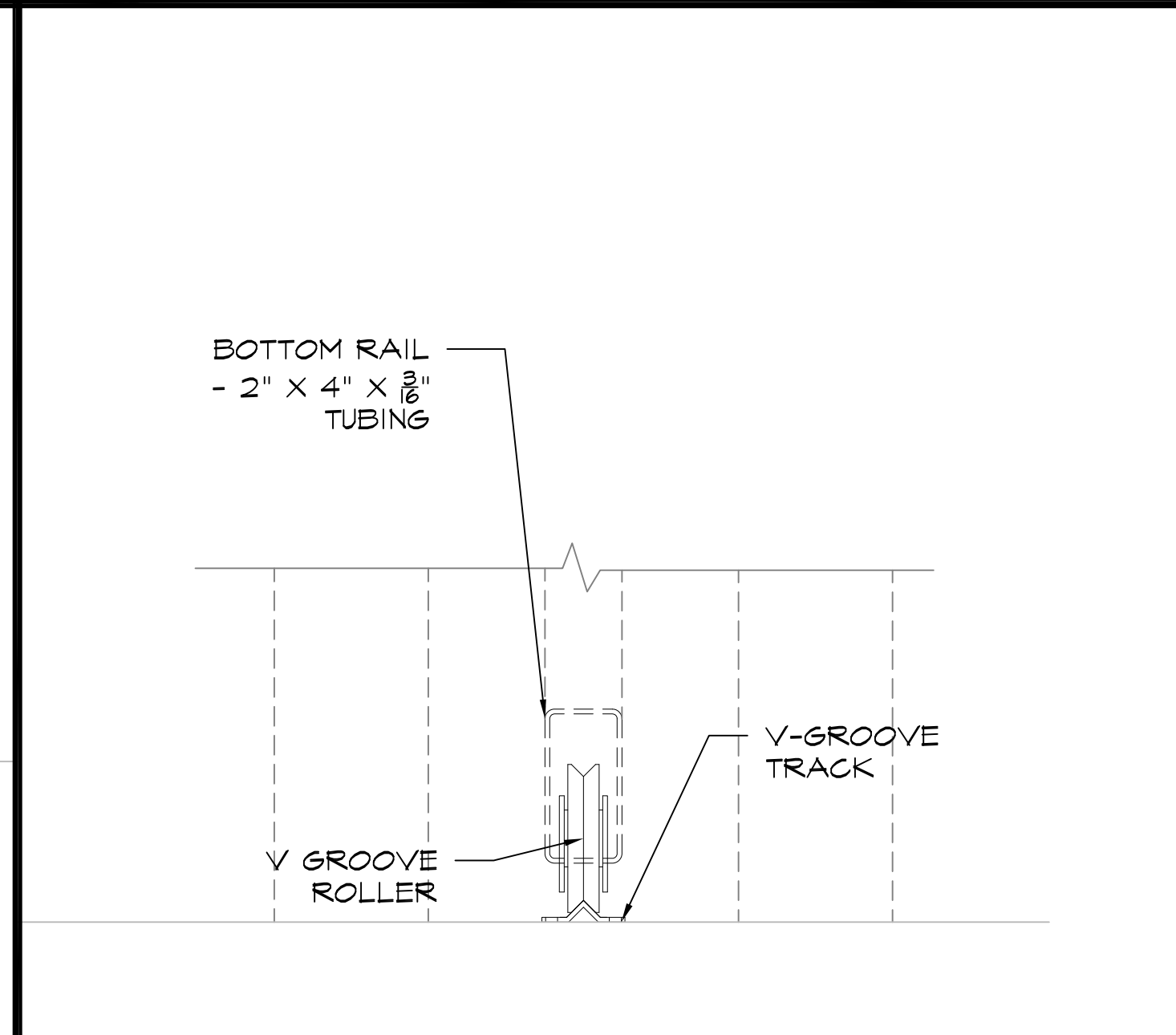
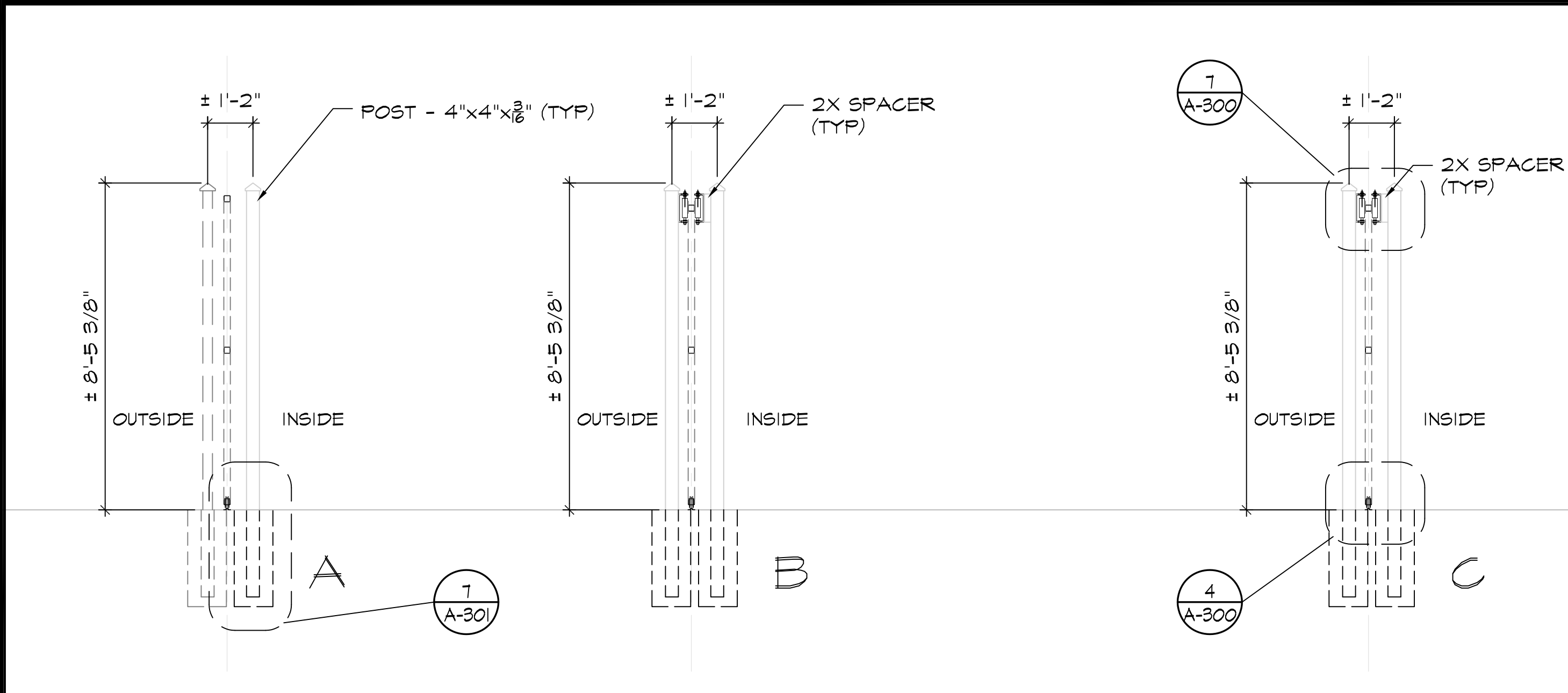
SHEET NO.:  
**A-200**

RELEASE:  
 DATE: 4/16/24



**1 SUPPORT POST ELEVATION** SCALE: 3/8"=1'-0" (IN FT)

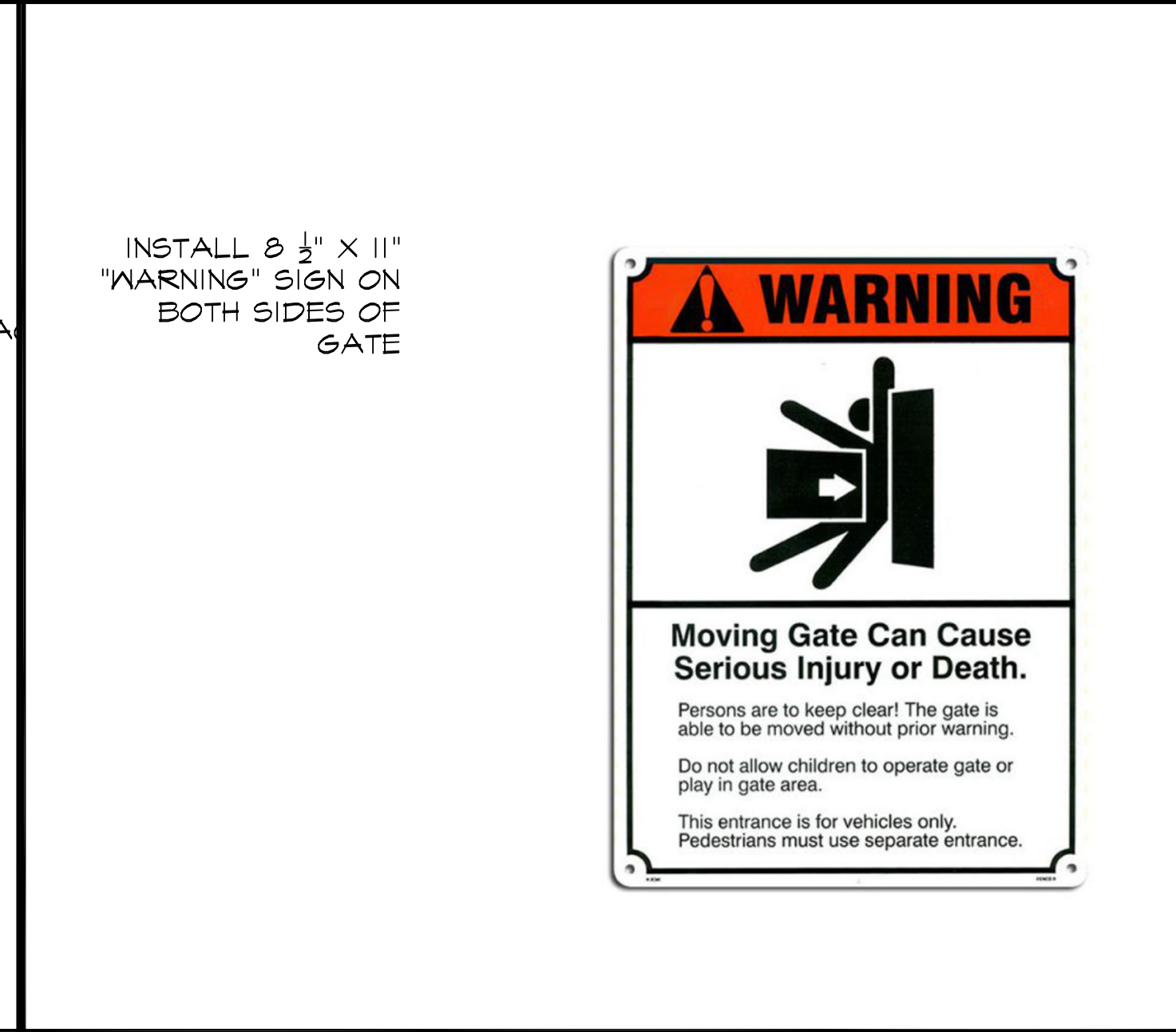
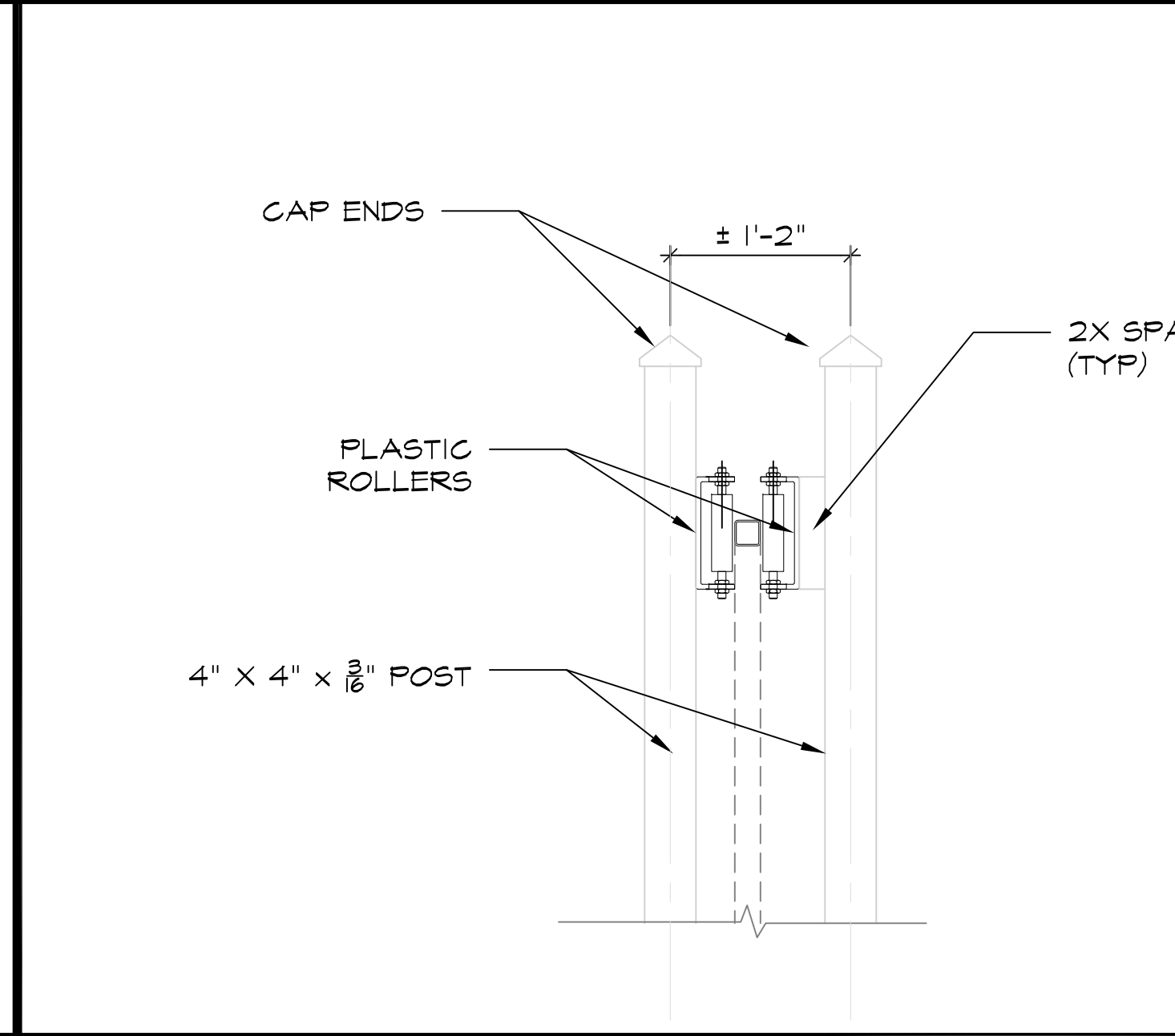
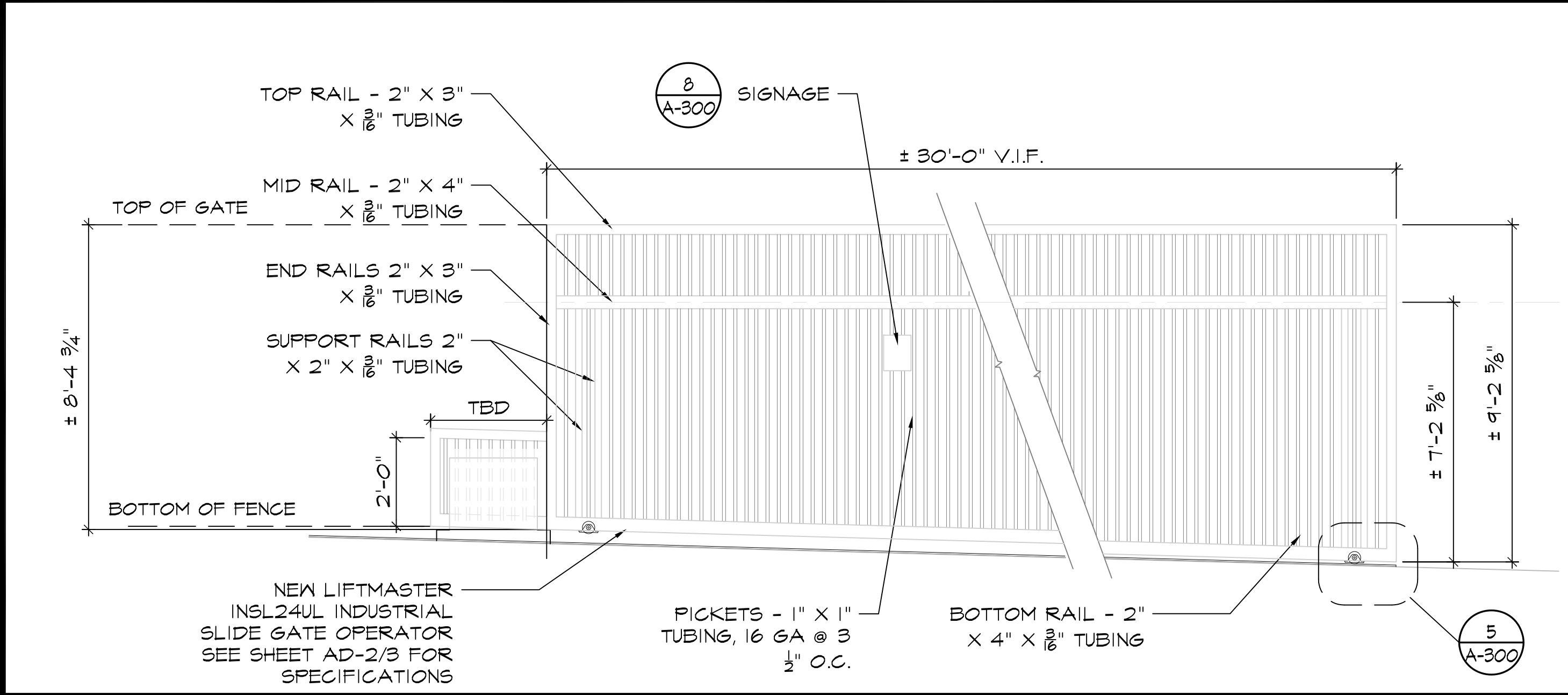
**2 GATE TRACK AND POST - LEFT SLIDE** SCALE: 3/8"=1'-0" (IN FT)



**3 SUPPORT POST PROFILE ELEVATIONS** SCALE: 3/8"=1'-0" (IN FT)

**4 V-GROOVE WHEEL** SCALE: 3/4"=1'-0" (IN INCHES)

**5 V-GROOVE WHEEL** SCALE: 3/4"=1'-0" (IN INCHES)



**6 GATE PANEL ELEVATION** SCALE: 3/8"=1'-0" (IN FT)

**7 ROLLER DETAIL** SCALE: 1/4"=1'-0" (IN FEET)

**8 GATE WARNING SIGN** NTS

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PROJECT:  
**GATE AND FENCING REPLACEMENT**

DRAWINGS FOR:  
**SPECIAL ED/ HEALTH SERV.**  
 222 34th STREET  
 BAKERSFIELD, CA 93301

CONSULTANT:  
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REV. NO.:	TITLE:
1	

SHEET TITLE:  
**DETAILS**

PROJECT NO.:

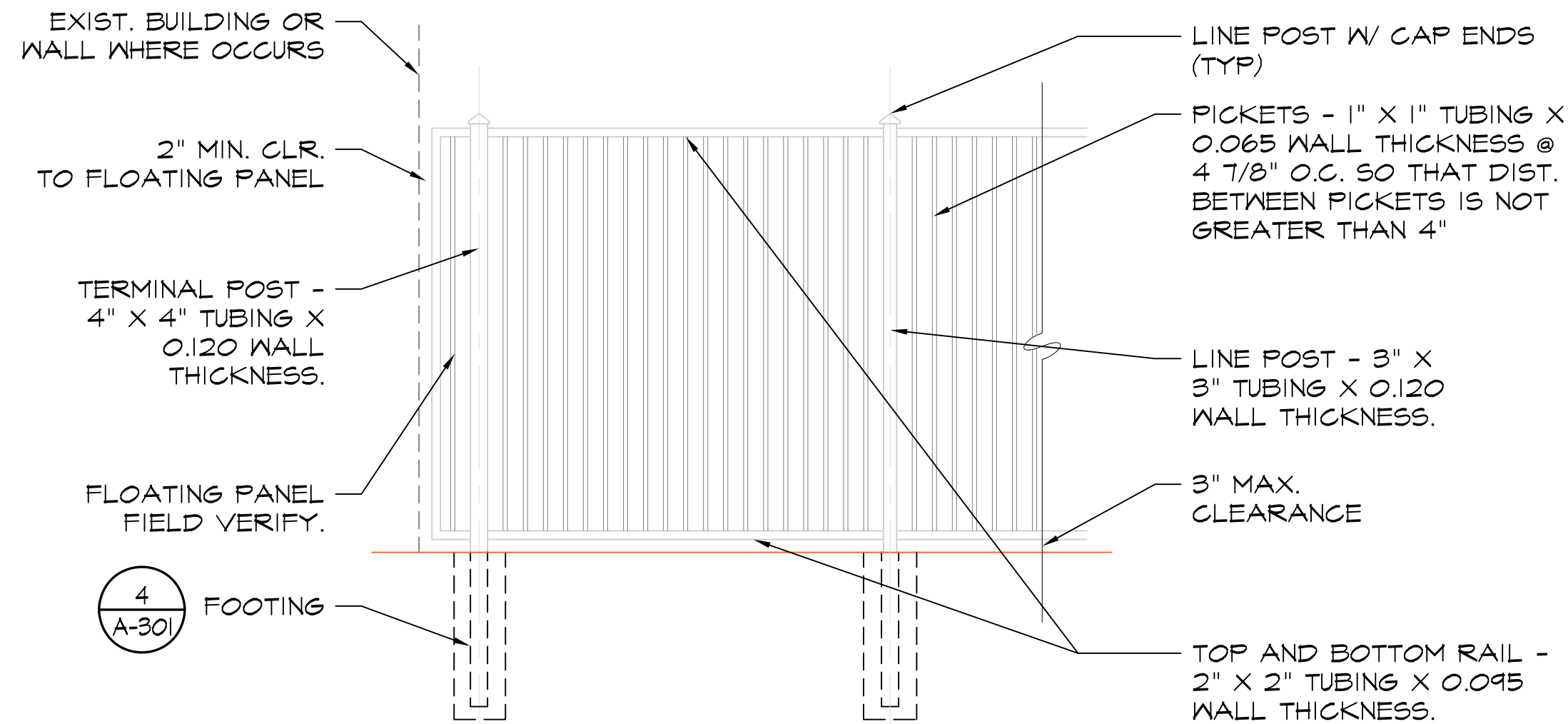
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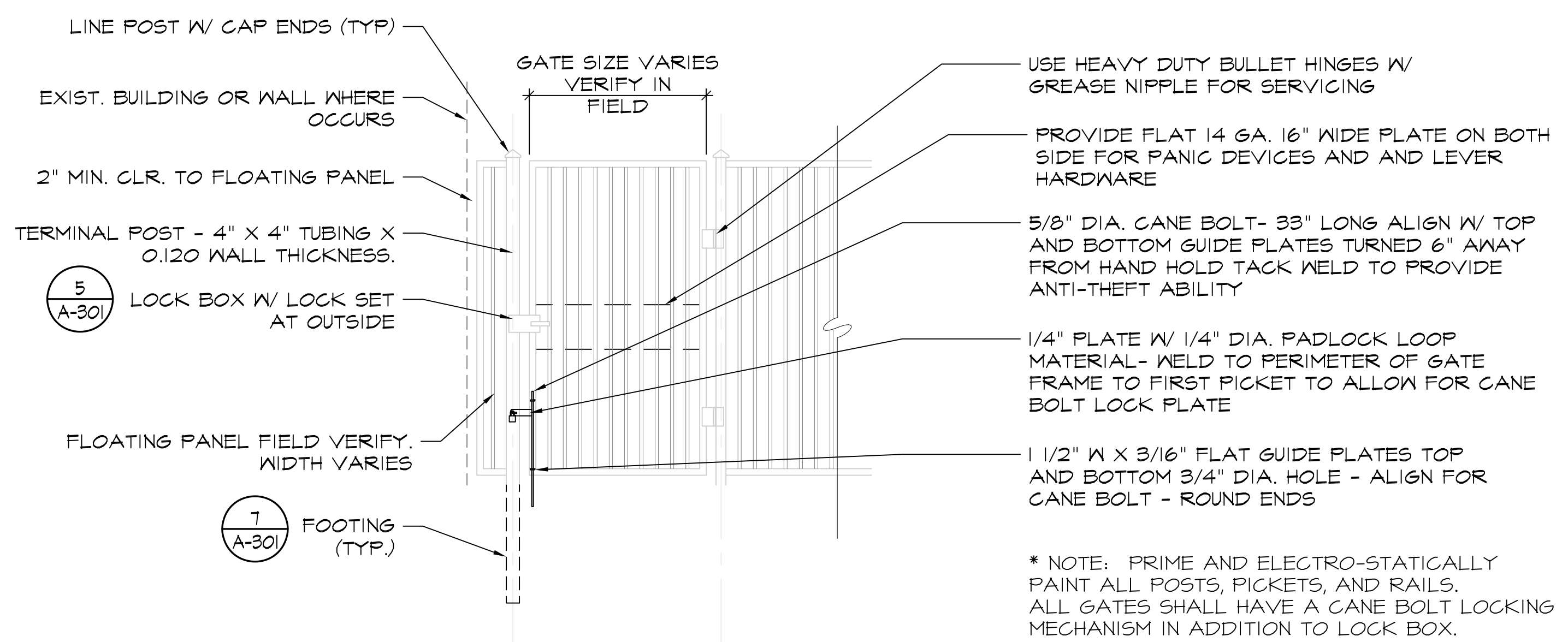
RELEASE DATE: 4/16/24





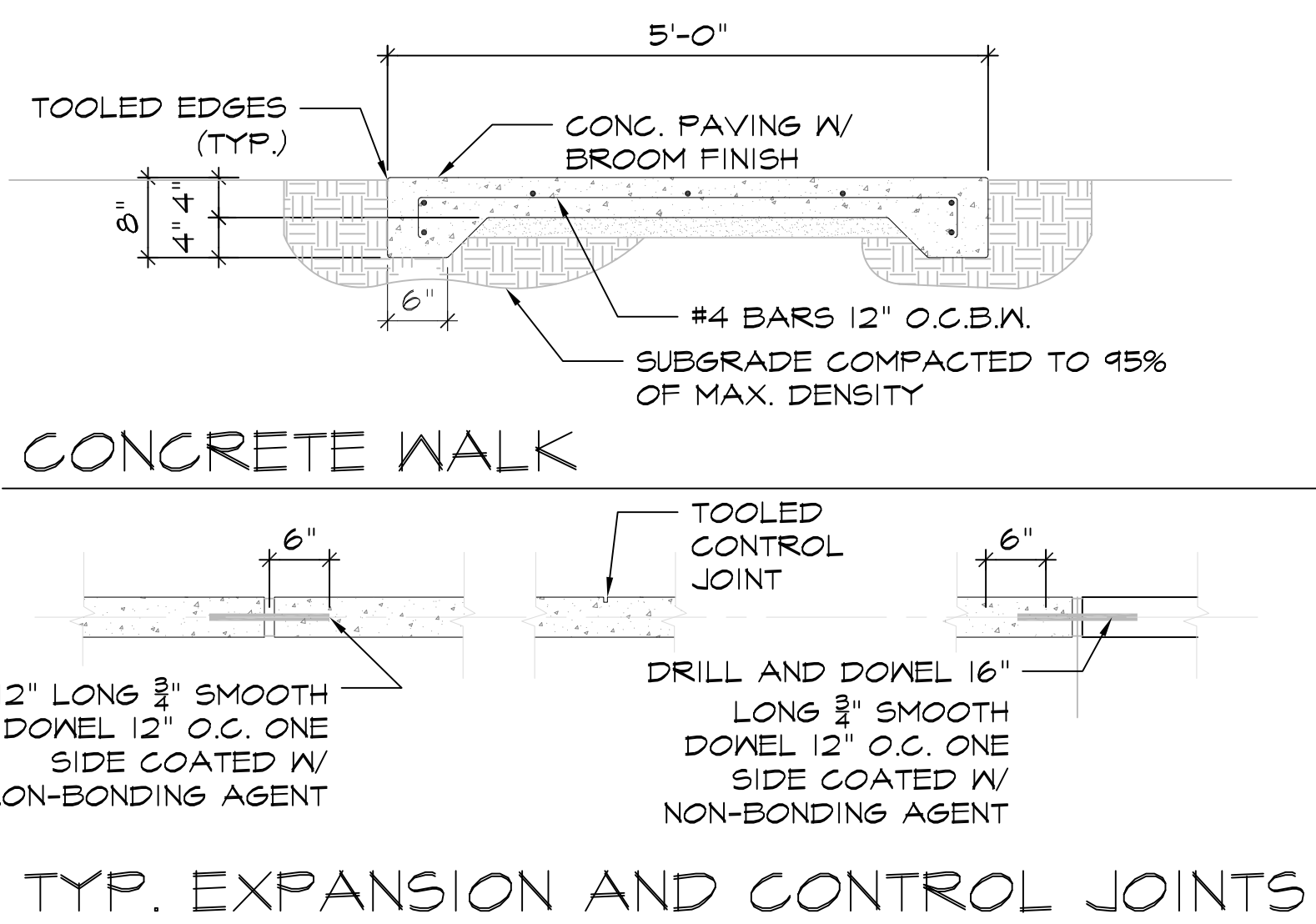
**1 FENCE PANEL W/ FLOATING PANEL X8' HIGH**

SCALE: 3/8"=1'-0" (IN FT)  
0 1' 2' 4'



**2 SINGLE WALK GATE**

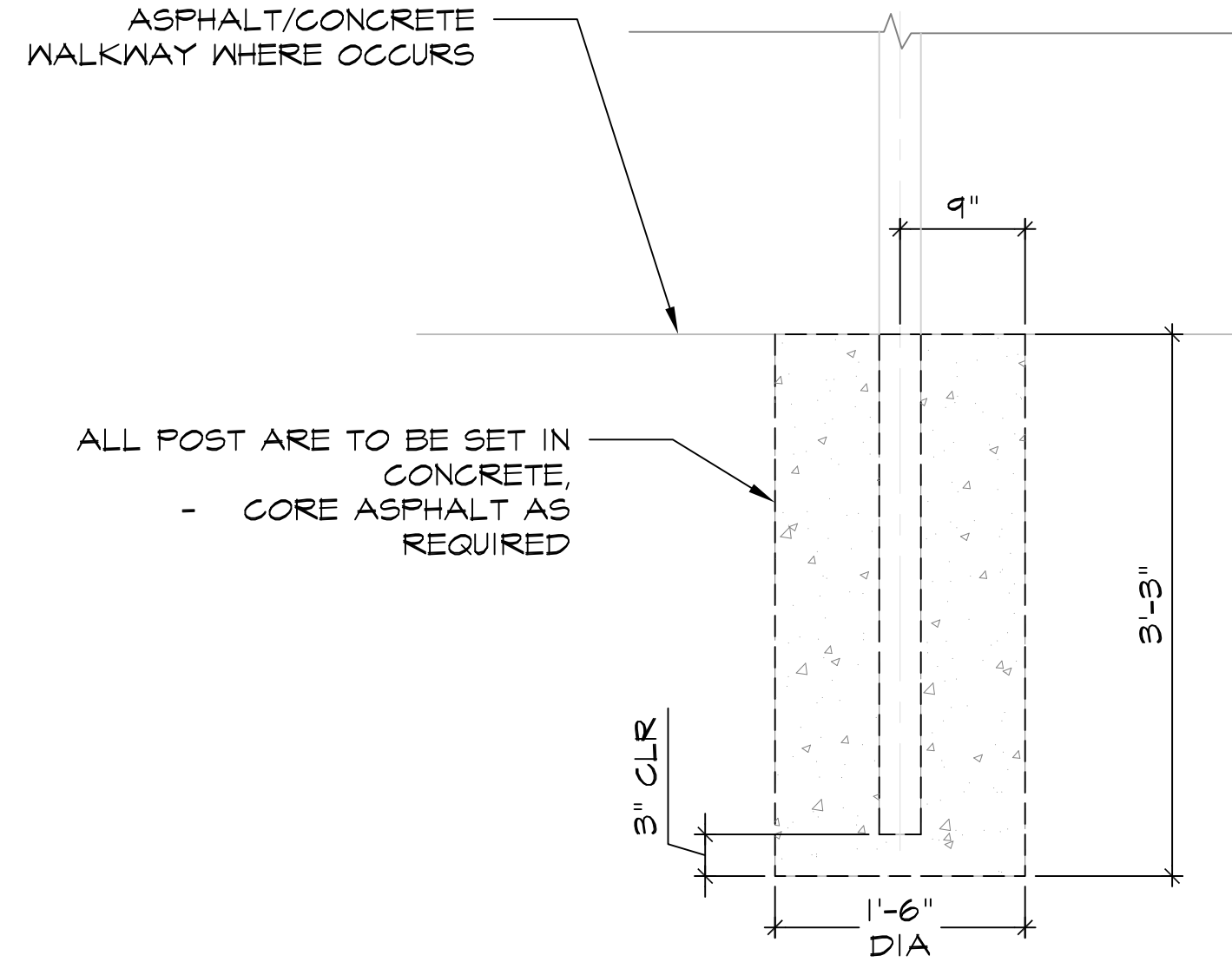
SCALE: 3/8"=1'-0" (IN FT)  
0 1' 2' 4'



- NOTES:
1. REFER TO SITE PLAN FOR FINISH GRADE OD CONC. WALKS.
  2. AFTER FORM REMOVAL, BACKFILL TOPSOIL AGAINST WALK TO WALK TOP.
  3. LOCATE EXPANSION JOINTS AT 8' INTERVALS OR AS INDICATED BY SITE PLAN.
  4. PROVIDE TOOLED JOINTS AS SHOWN ON DRAWINGS. JOINTS TO BE 1/2" DEEP X 3/8" WIDE. SPACE JOINS AS SHOWN ON SITE PLAN.
  5. PROVIDE CHAIRS TO HOLD REINFORCING IN POSITION DURING CONCRETE POUR.

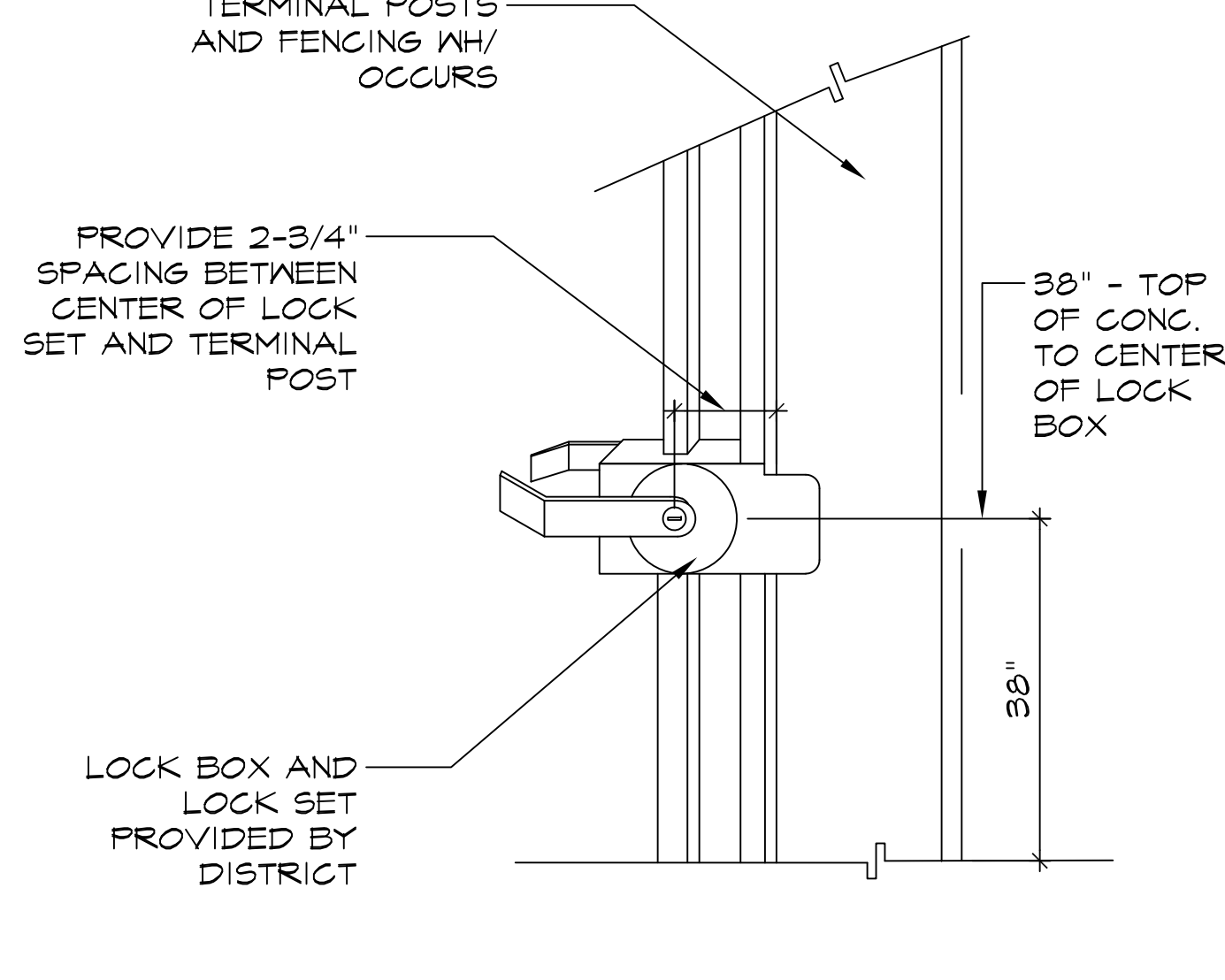
**3 CONCRETE WALK DETAILS**

SCALE: 3/4"=1'-0" (IN FEET)  
0 1' 2' 3'



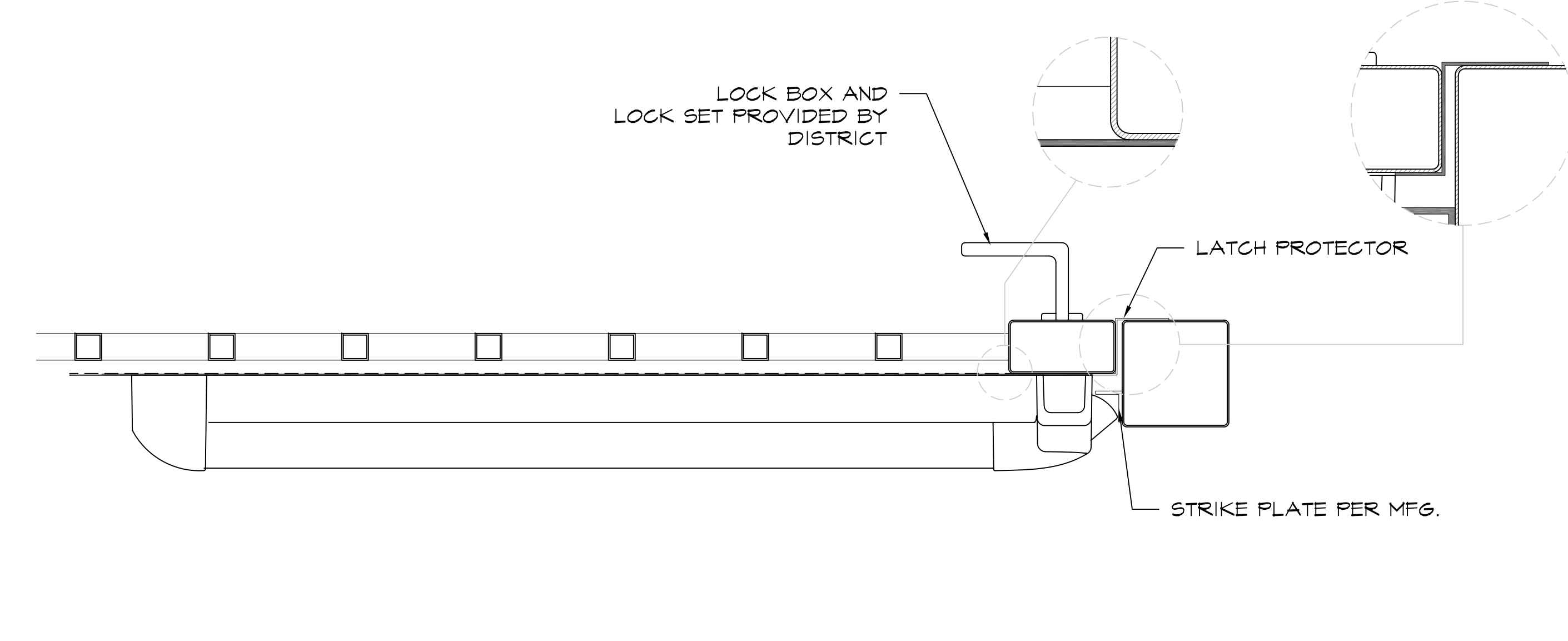
**4 FENCE FOOTING**

SCALE: 1"=1'-0" (IN FEET)  
0 1/2' 1' 2'



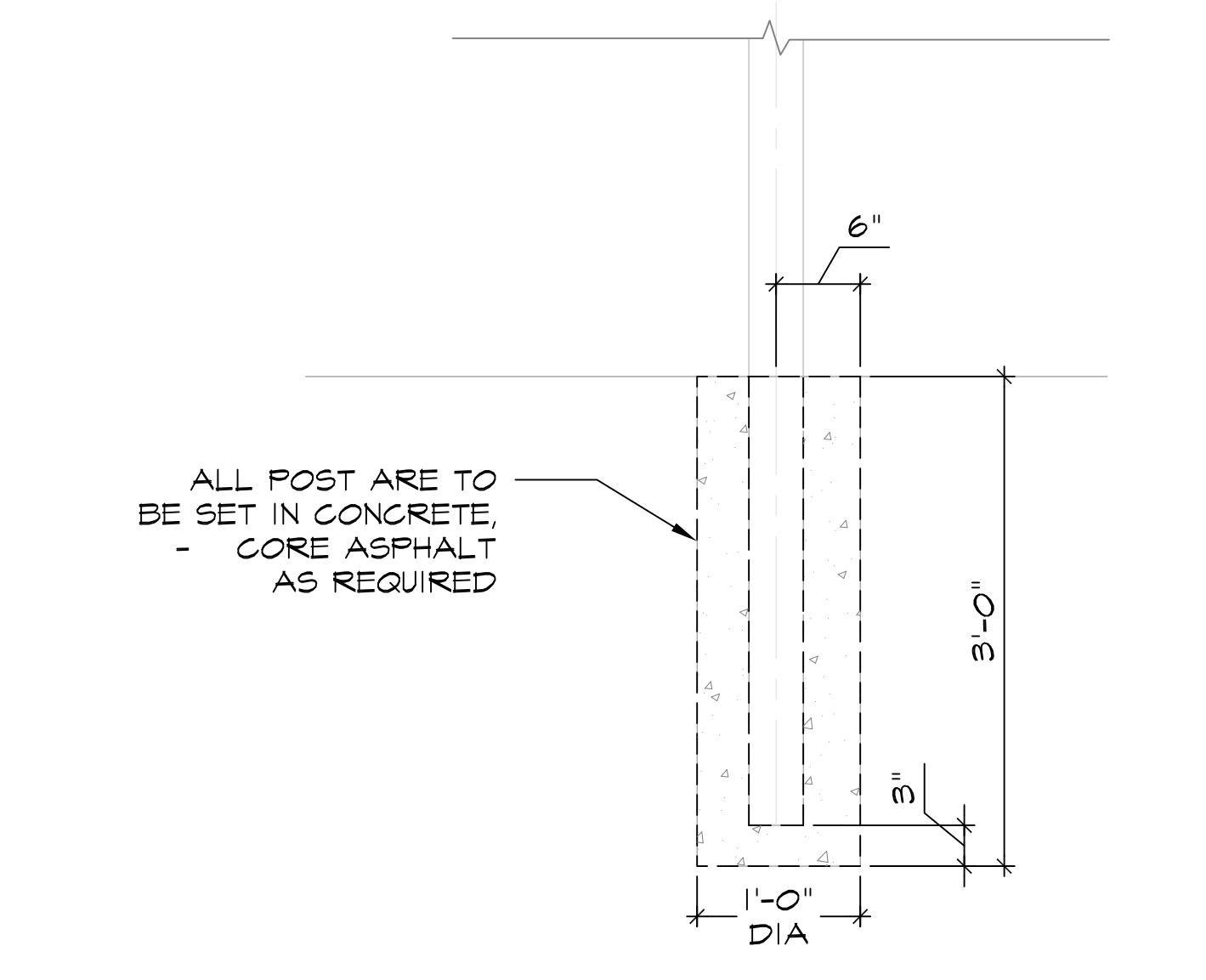
**5 LOCK DETAIL**

SCALE: 1/2"=1'-0" (IN FEET)  
0 1' 2' 4'



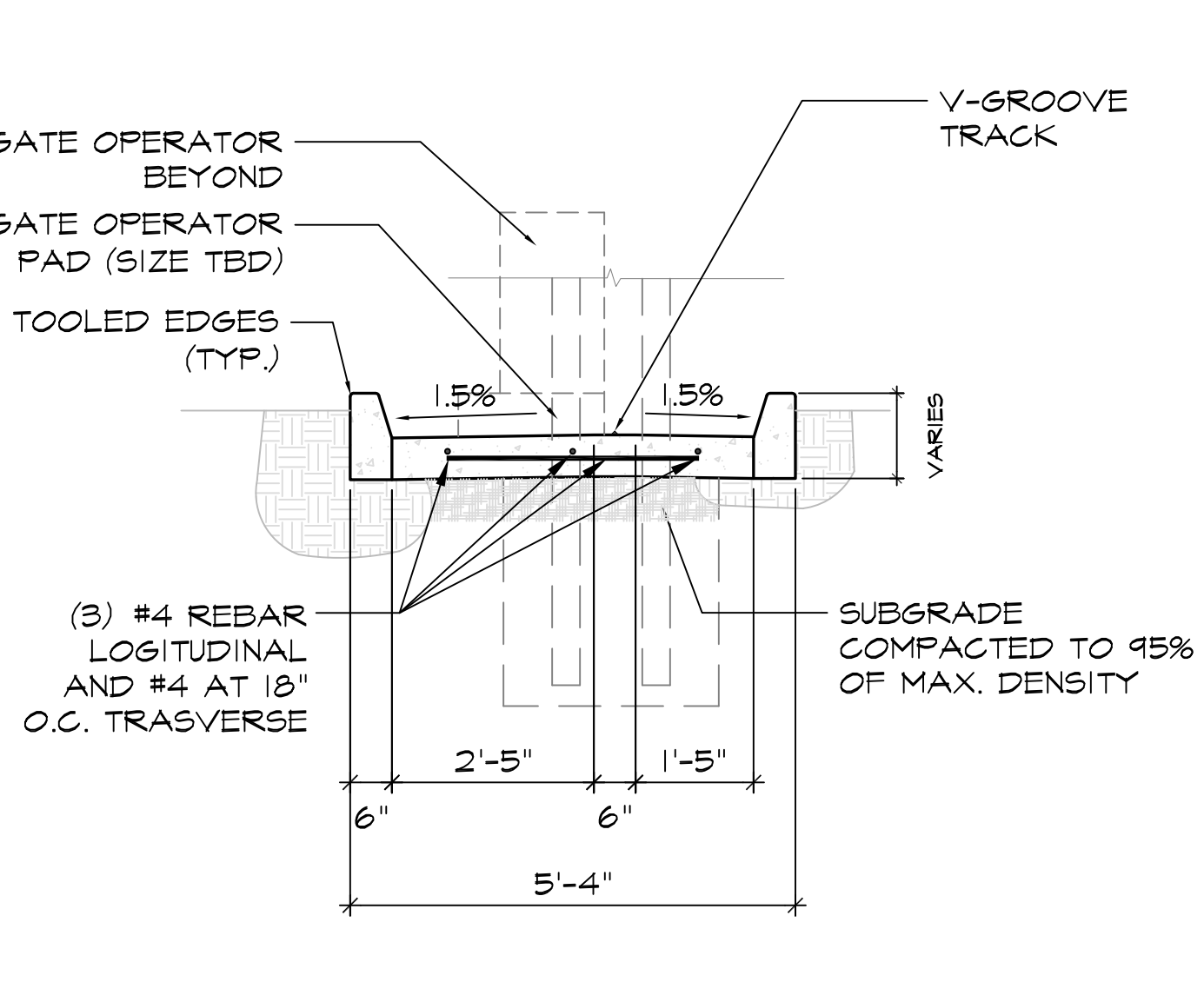
**6 GATE HARDWARE**

SCALE: 3"=1'-0" (IN INCHES)  
0 3' 6' 9'



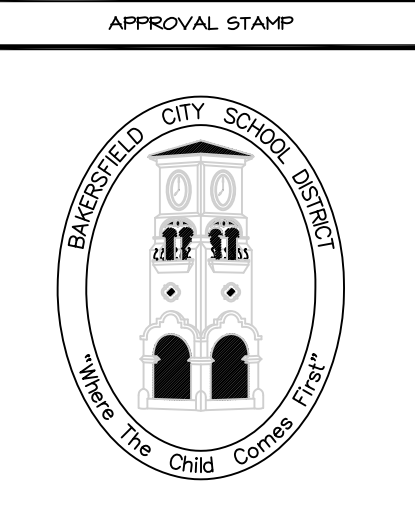
**7 GATE FOOTING**

SCALE: 1"=1'-0" (IN FEET)  
0 1/2' 1' 2'



**8 RETAINING DETAIL**

SCALE: 1/2"=1'-0" (IN FEET)  
0 1' 2' 4'



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PROJECT:  
GATE AND  
FENCING  
REPLACEMENT

DRAWINGS FOR:  
SPECIAL ED/  
HEALTH SERV.  
222 34th STREET  
BAKERSFIELD, CA 93301

CONSULTANT:  
PORTER &  
ASSOC.  
1707 EYE STREET, SUITE III  
BAKERSFIELD, CA 93301

REV. NO.:	TITLE:
1	

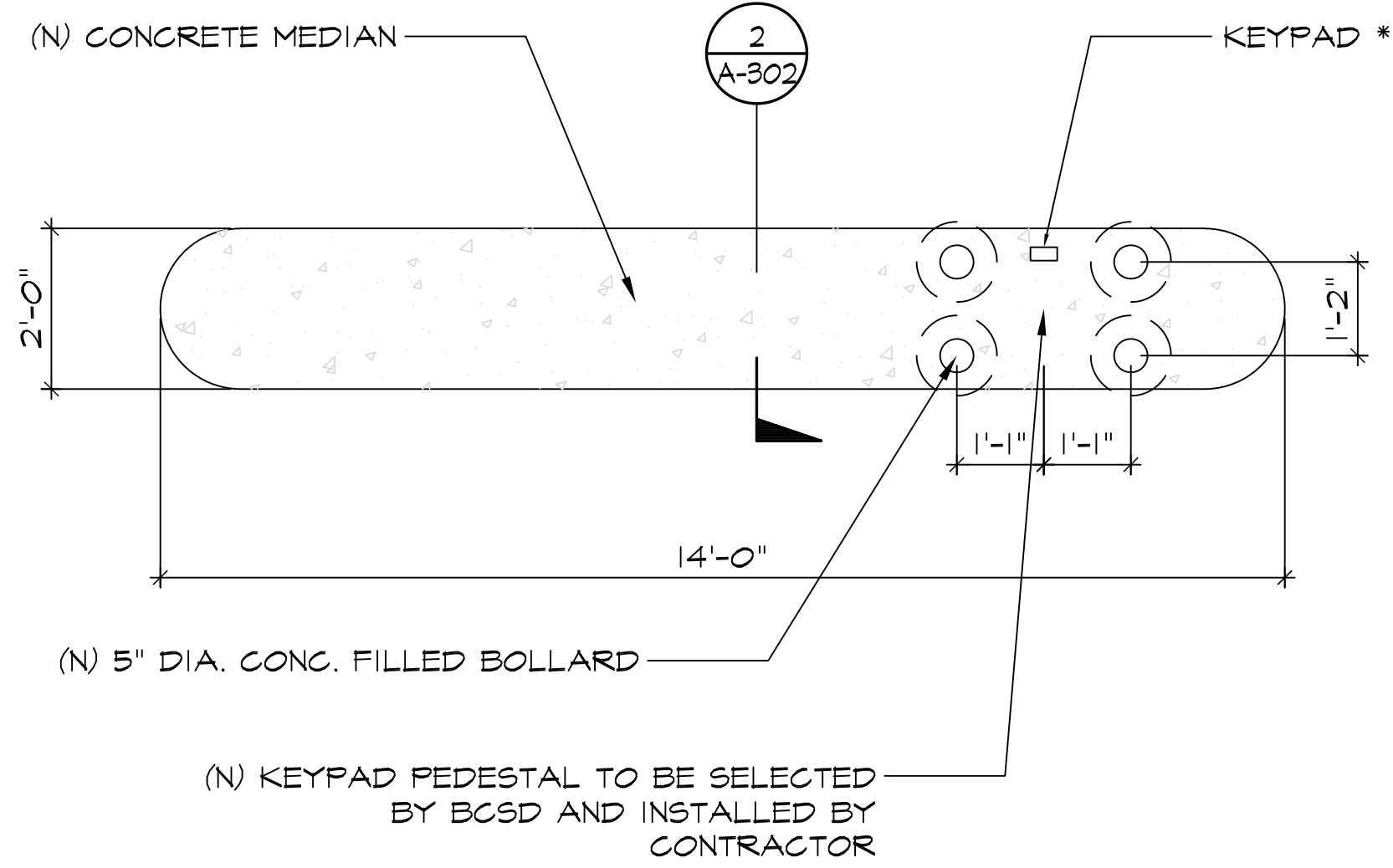
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DETAILS

PROJECT NO.:  
00000.00-41-DM

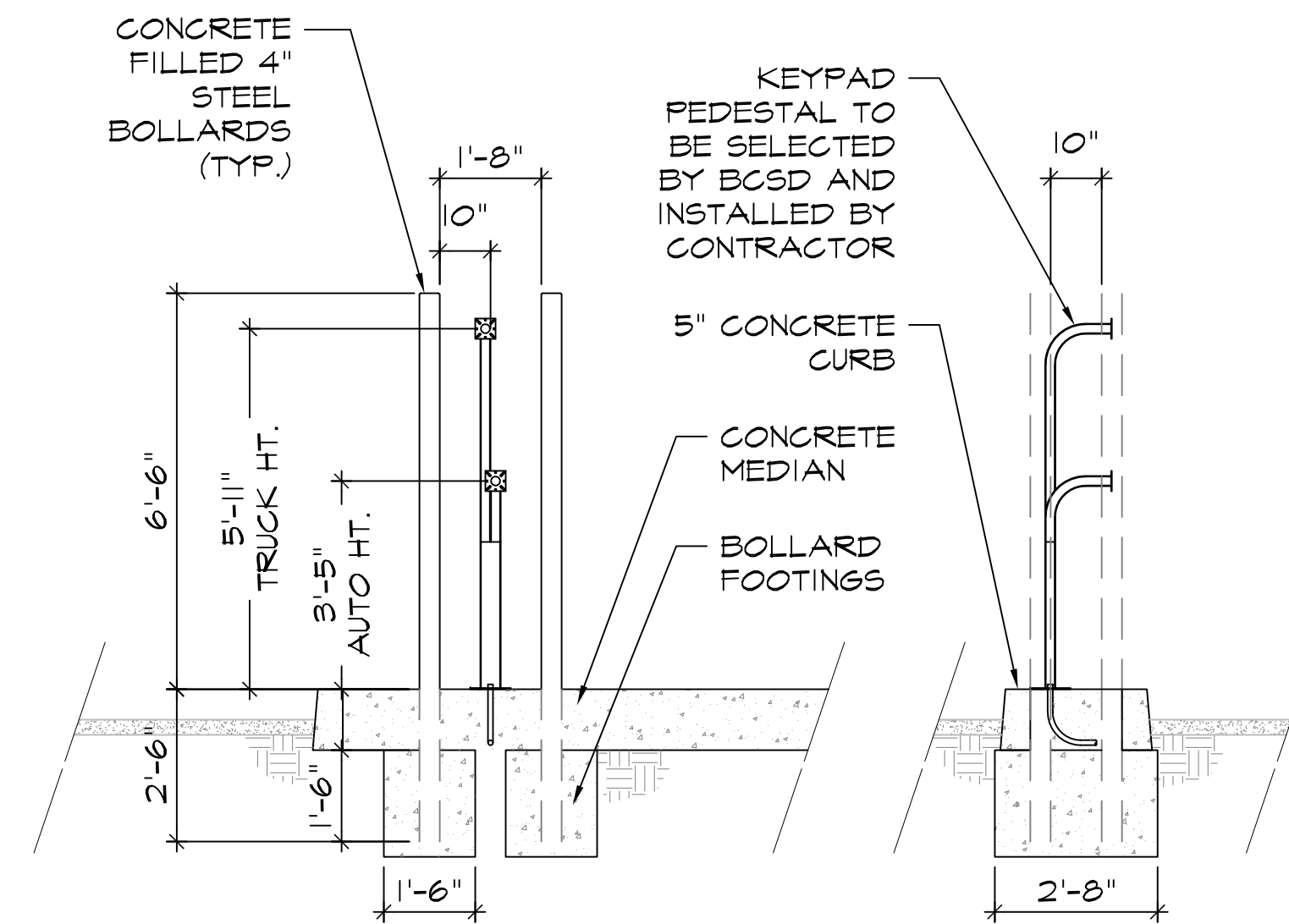
SHEET NO.:  
A-301

RELEASE:  
DATE: 4/16/24





\* NOTE: ACCESS CONTROL KEYPAD TO BE PROVIDED AND INSTALLED BY BCSD

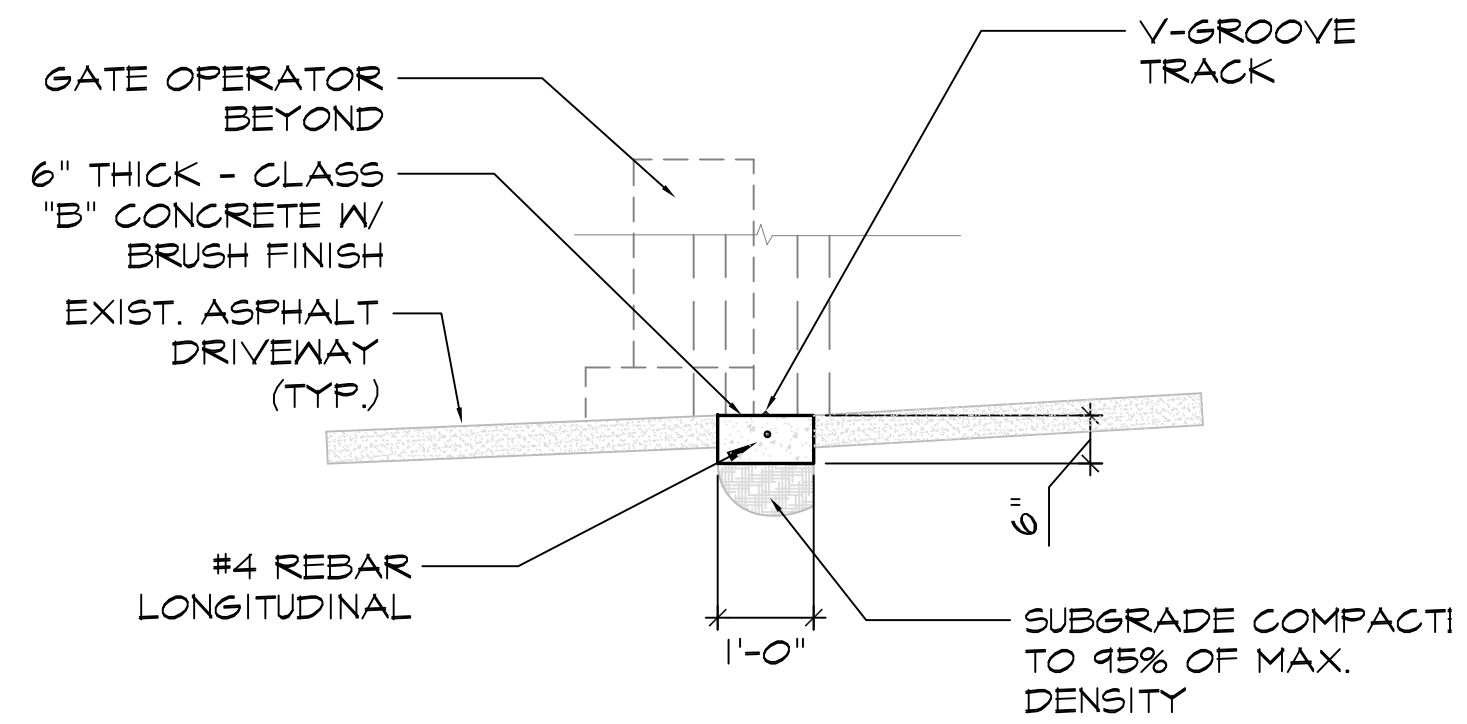


1 KEYPAD MEDIAN AT ENTRY

SCALE: 1/2"=1'-0" (IN FEET)

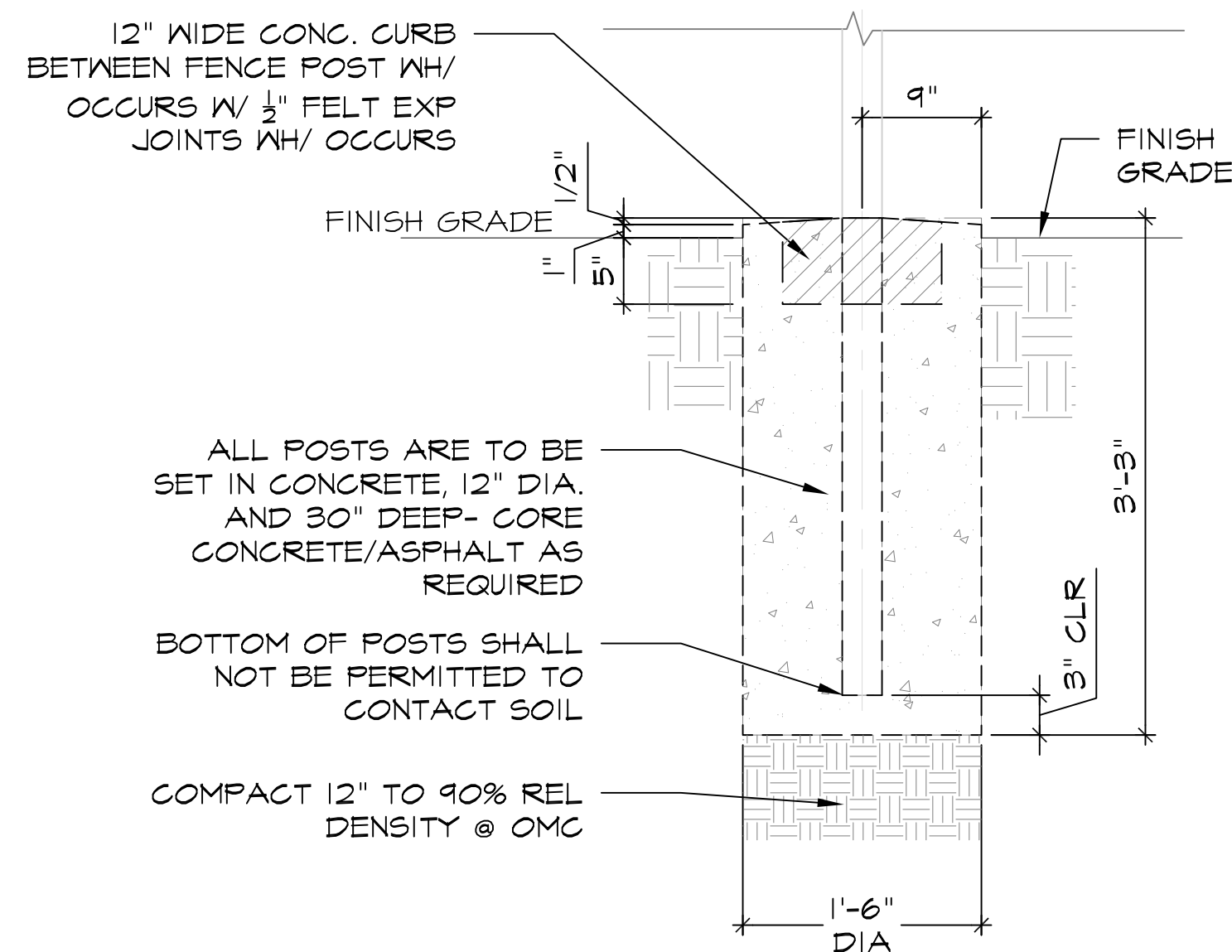
2 PEDESTAL BOLLARD DET.

SCALE: 3/8"=1'-0" (IN FT)



3 GATE TRACK

SCALE: 1/2"=1'-0" (IN FEET)



6 FENCING ELEVATION

SCALE: 1/8"=1'-0" (IN FEET)

KNOXBOX 3200

The KnoxBox 3200 is the number one high-security key lock box trusted by first responders and property owners. Store up to 10 keys to quickly gain rapid access to commercial properties.

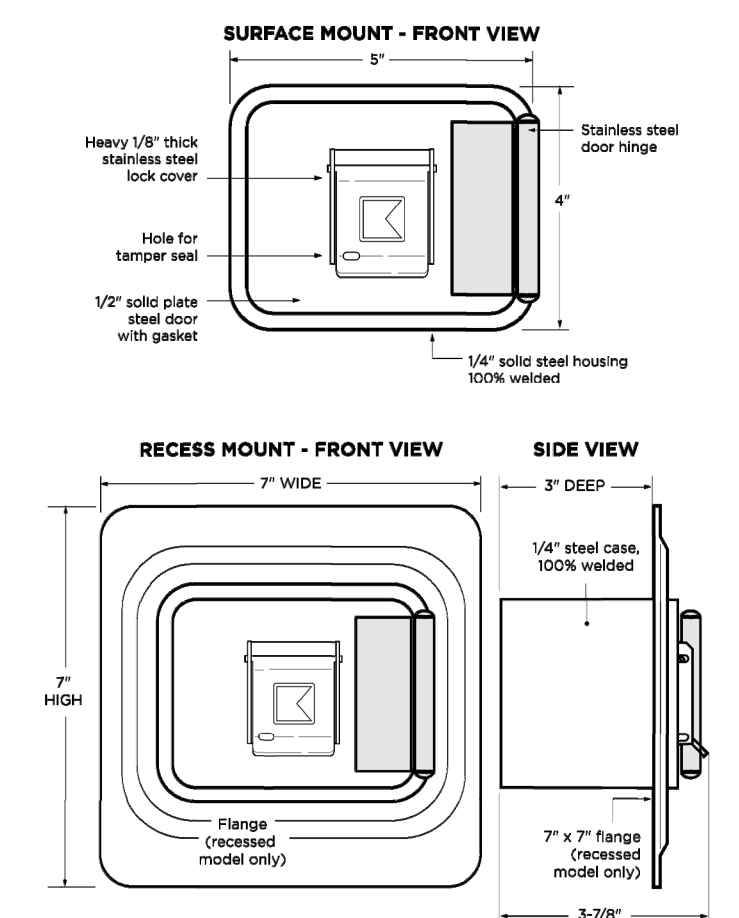


Available in 3 colors:  
Black Aluminum Dark Bronze

- FEATURES**
- Stores maximum 10 keys. Access cards and small entry items may also fit in interior compartment but will reduce max key quantity.
  - Built Knox-Rugged and secure: UL 1037, UL 1610, UL 1332, UL 437
  - Finished with Knox-Coat® to protect four times better than standard powder coat
  - Weather-resistant door gasket
  - Hinged door
- BENEFITS**
- Allows rapid property access
  - Reduces property damage
  - Prevents forced entry into buildings
  - Minimizes first responder injury
  - Compliant to National Fire Code (NFPA, IPC, IBC)

**WEIGHT:** Surface Mount - 8 lb, Recessed Mount - 9 lb

**DIMENSIONS:** Surface Mount Body - 4"H x 5"W x 3-7/8"D, Recessed Mount Flange - 7"H x 7"W



- OPTIONS**
- Knox Tamper Alert connects to building's alarm system for extra security
  - Mount types: Recessed and Surface
  - 3 color options: Black, Aluminum, Dark Bronze
- ACCESSORIES**
- Multi-Purpose Switch for use on electrical doors, gates and other electrical equipment
  - Recess Mounting Kit for new concrete or masonry construction
  - Public Safety Labels
  - Tag-Out Tamper Seals
  - Key Tags
  - Key Rings

**ORDERING SPECIFICATIONS**

To insure procurement and delivery of the KnoxBox 3200, it is suggested that following specification paragraph is used:

KnoxBox surface/recessed mount with hinged door, with/without UL Listed Knox Tamper Alert, 1/4" plate steel housing, 1/2" thick steel door with interior gasket seal and stainless steel door hinge. Box and lock UL Listed. Lock has 1/8" thick stainless steel dust cover with tamper seal mounting capability.

**Exterior Dimensions:** Surface Mount Body - 4"H x 5"W x 3-7/8"D, Recessed Mount Flange - 7"H x 7"W

**Lock:** UL Listed. Double-action rotating tumblers and hardened steel pins accessed by a biased cut key.

**Finish:** Knox-Coat proprietary finishing process

**Color:** Black, Dark Bronze or Aluminum

**P/N:** KnoxBox 3200 (mfr's cat. ID)

**Mfr's Name:** KNOX COMPANY

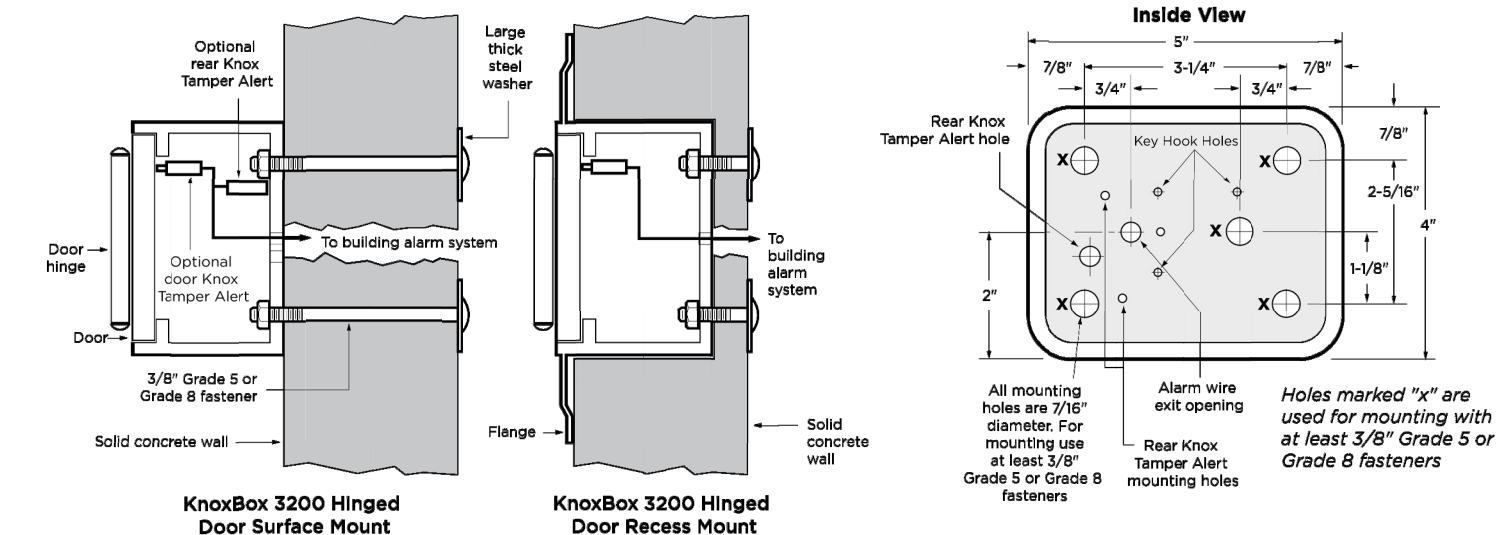
1601 W. DEER VALLEY RD. PHOENIX, AZ 85027 | T. 800-704-0889 | TECHSUPPORT@KNOXBOX.COM | KNOXBOX.COM

KNOXBOX 3200

**GENERAL MOUNTING INSTRUCTIONS**

Suggested minimum mounting height, 6 feet above ground.

**ATTENTION:** KnoxBox is a very strong device that MUST be mounted properly to ensure maximum security and resist physical attack.

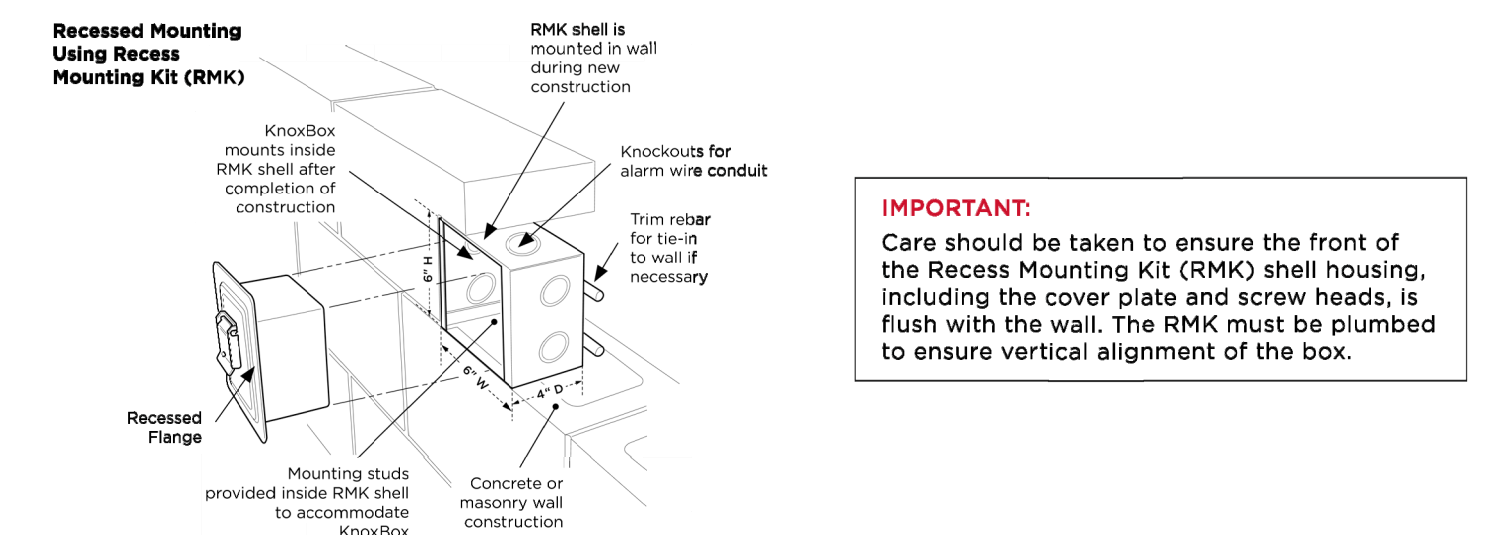


**RECESS MOUNTING KIT AND INSTALLATION INSTRUCTIONS**

The Recess Mounting Kit (RMK) includes shell housing and mounting hardware, which may only be used for recessed models to cast-in-place within new concrete or masonry construction. The KnoxBox is mounted into the shell housing after construction is completed.

**RECESS MOUNTING KIT DIMENSIONS**

Rough-in Dimensions: 6-1/2"H x 6-1/2"W x 5"D



**IMPORTANT:** Care should be taken to ensure the front of the Recess Mounting Kit (RMK) shell housing, including the cover plate and screw heads, is flush with the wall. The RMK must be plumbed to ensure vertical alignment of the box.

**ABOUT THE KNOX COMPANY**

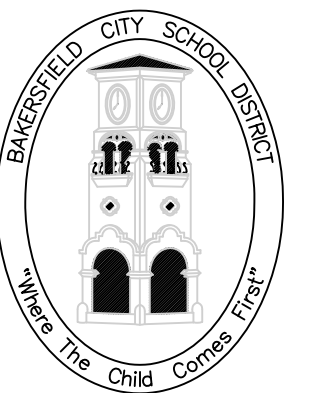
Since 1975, the Knox Company has successfully developed innovative rapid access solutions for first responders with products that provide fast, safe, and secure entry into commercial, industrial, and residential properties, while minimizing damage and maximizing safety. Today, more than 15,000 fire, EMS, and law enforcement departments/agencies depend on Knox products to gain access into over one million buildings/properties.

**KNOX COMPANY**  
1601 W. DEER VALLEY RD  
PHOENIX, AZ 85027

T. 800-566-9269

**KNOXBOX.COM**  
INFO@KNOXBOX.COM

APPROVAL STAMP



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BAKERSFIELD, CA 93307  
PHONE: (661) 661-9605  
FAX: (661) 661-9606

PROJECT:

GATE AND FENCING REPLACEMENT

DRAWINGS FOR:

SPECIAL ED/ HEALTH SERV.  
222 34th STREET  
BAKERSFIELD, CA 93301

CONSULTANT:

PORTER & ASSOC.  
1707 EYE STREET, SUITE III  
BAKERSFIELD, CA 93301

REV. NO.:

TITLE:

1

SHEET TITLE:

DETAILS

PROJECT NO.:

00000.00-41-DM

SHEET NO.:

A-302

RELEASE:

DATE: 4/16/24

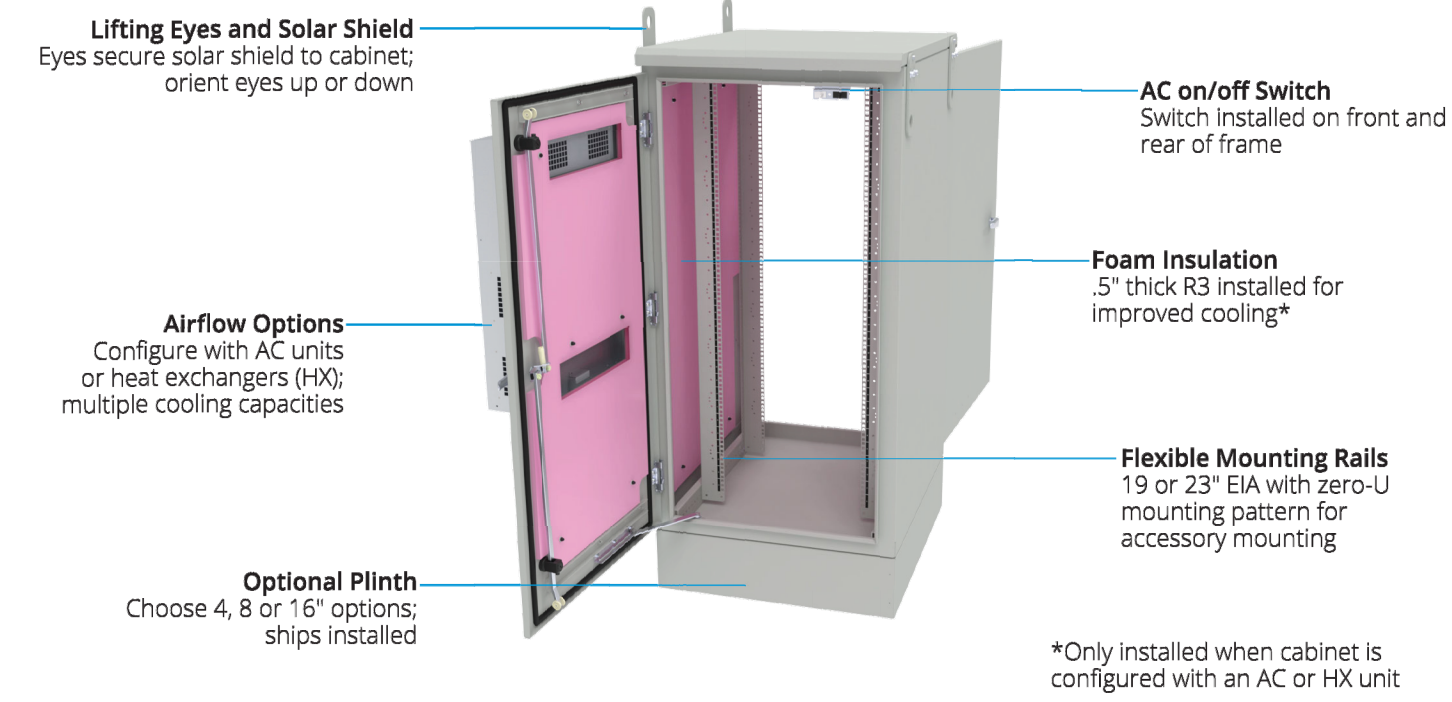
7 KNOXBOX 3200 SPECIFICATIONS

NTS



# BOX SINGLE BAY CABINET

NEMA RATED CABINET FOR OUTDOOR BROADBAND & TELECOM APPLICATIONS



Using the attribute chart below, select an option from each column to designate a standard BOX Single Bay Cabinet

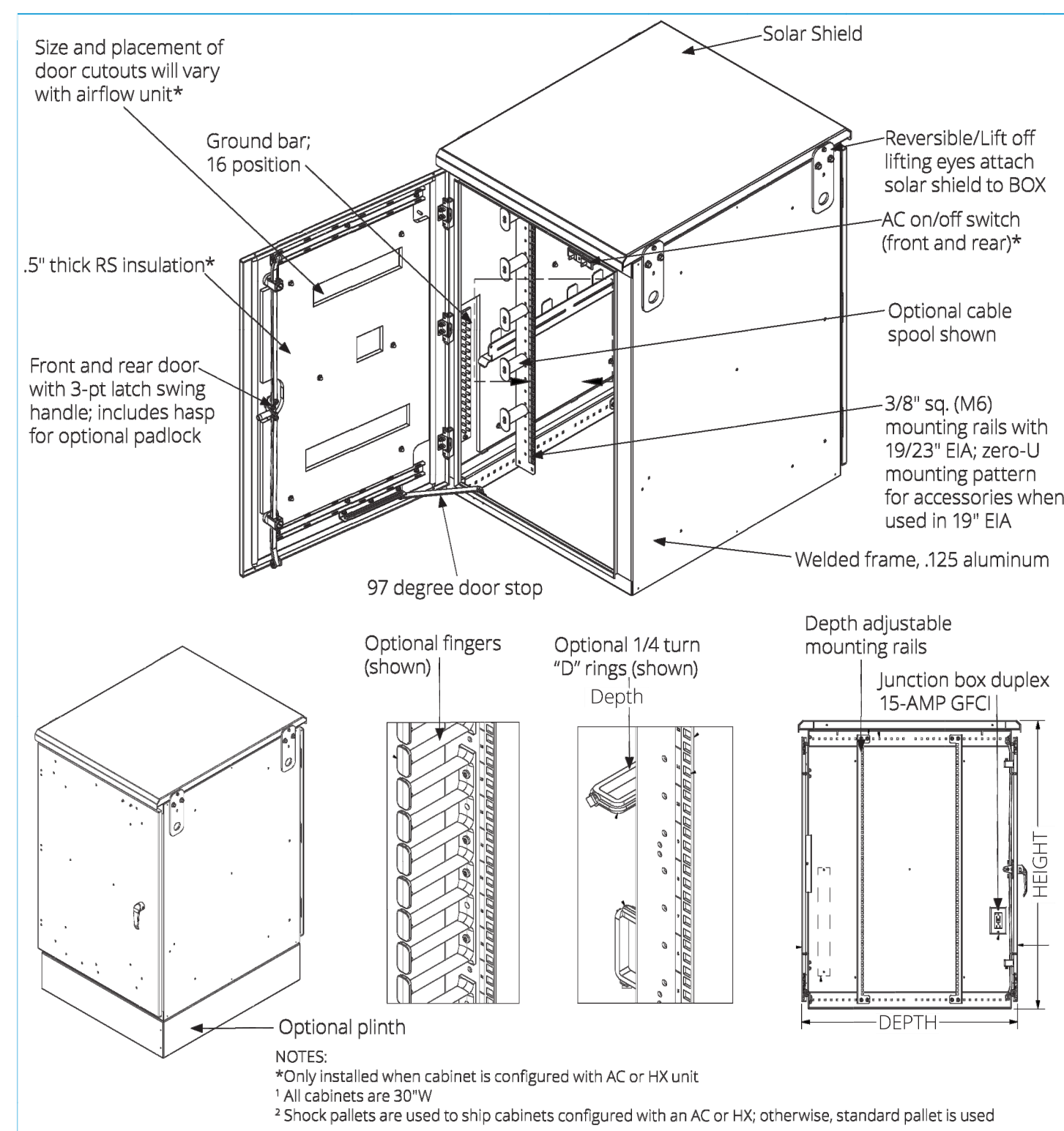
Rating	RMU	Depth	Color	Plinth	Airflow	Example
BXSBox-	xxU	xx-	xx-	xx-	xxxxx-xxx	Configured BOX Single Bay cabinet
3R (Type 3R)	16	32	GY (Gray)	00 (none)	00000-000 (none)	BXS804-24U32-GY-08-AC020-120
04 (Type 4)	24	36		08 (8")	AC unit and heat exchanger options listed on web	Box Single Bay Cabinet, 24U, 32"D, gray, 8" plinth, AC unit (2000 BTU, 120V)
	30	42		16 (16")		
	42					

**FEATURES:**

- 30"W welded frame and doors constructed of .125" aluminum
- Two pair of depth adjustable, 3/8" sq. (M6) mounting rails with 19/23" EIA
- Rails in 19" EIA orientation feature zero-U mounting pattern for cable management fingers and spools
- Rails in 23" EIA orientation feature square hole pattern for 1/4 turn "D" rings (along the side rail face)
- Front and rear door with 3-pt latch swing handle; includes hasp for optional padlock
- Components installed include: Junction box duplex 15-Amp GFCI (not wired); Ground Bar (Tinned copper; 16 position; 1/4" thick; 1/4"-20 threads at 5/8" spacing)
- Color: RAL 7035 Gray with UV-rated textured powder coat; Beige and White available upon request
- Standards: NEMA 250 Type 3R or 4
- Country of Origin, USA

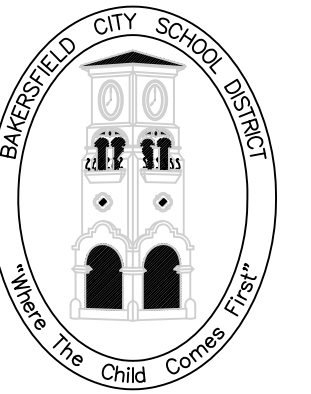


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1707 EYE STREET, SUITE III  
BAKERSFIELD, CA 93301

1 OUTDOOR BROADBAND AND TELECOM CABINET

NTS

REV. NO.:	TITLE:
1	

SHEET TITLE:  
DETAILS

PROJECT NO.:  
00000.00-41-DM

SHEET NO.:  
A-303

RELEASE:  
DATE: 4/16/24



