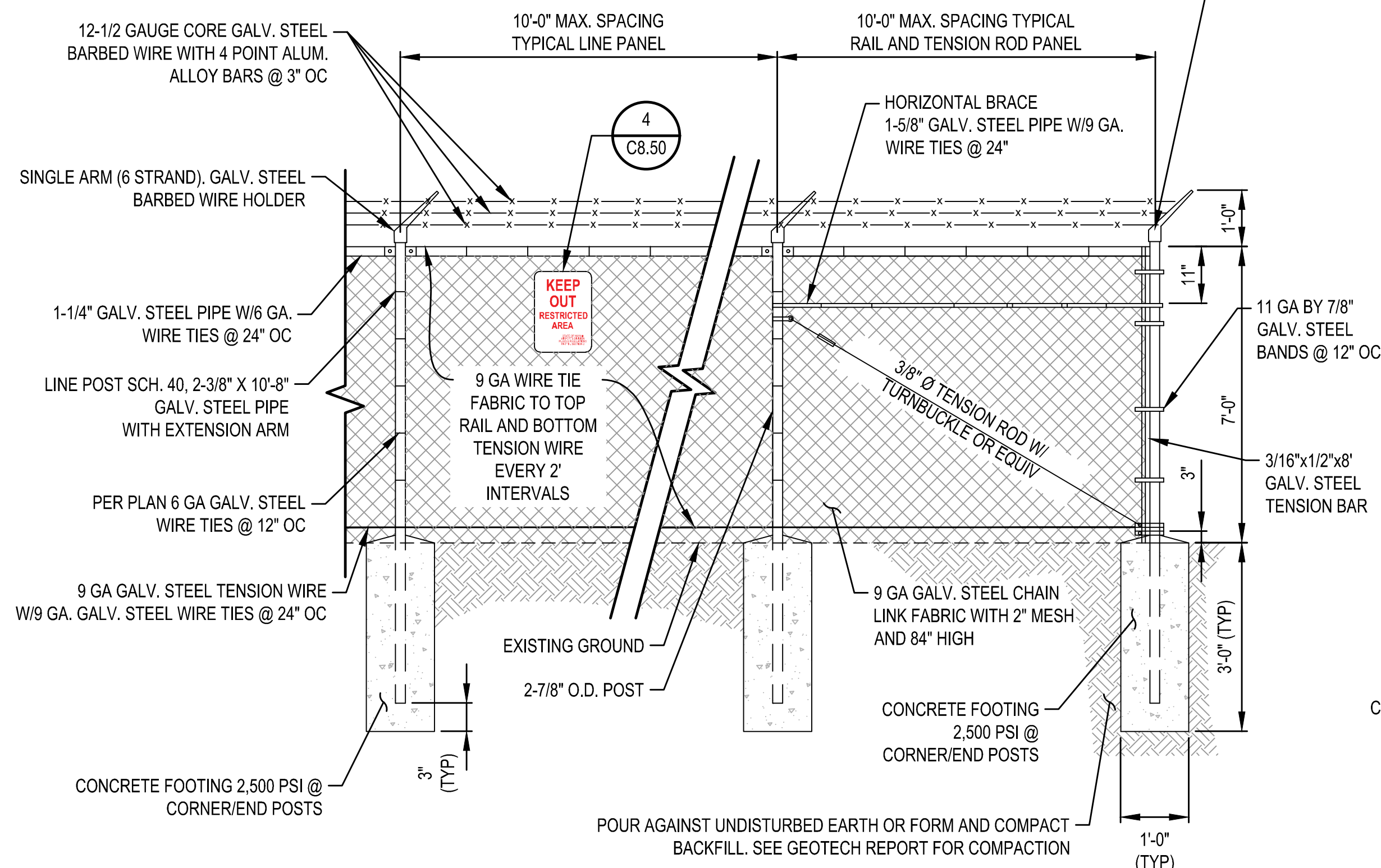
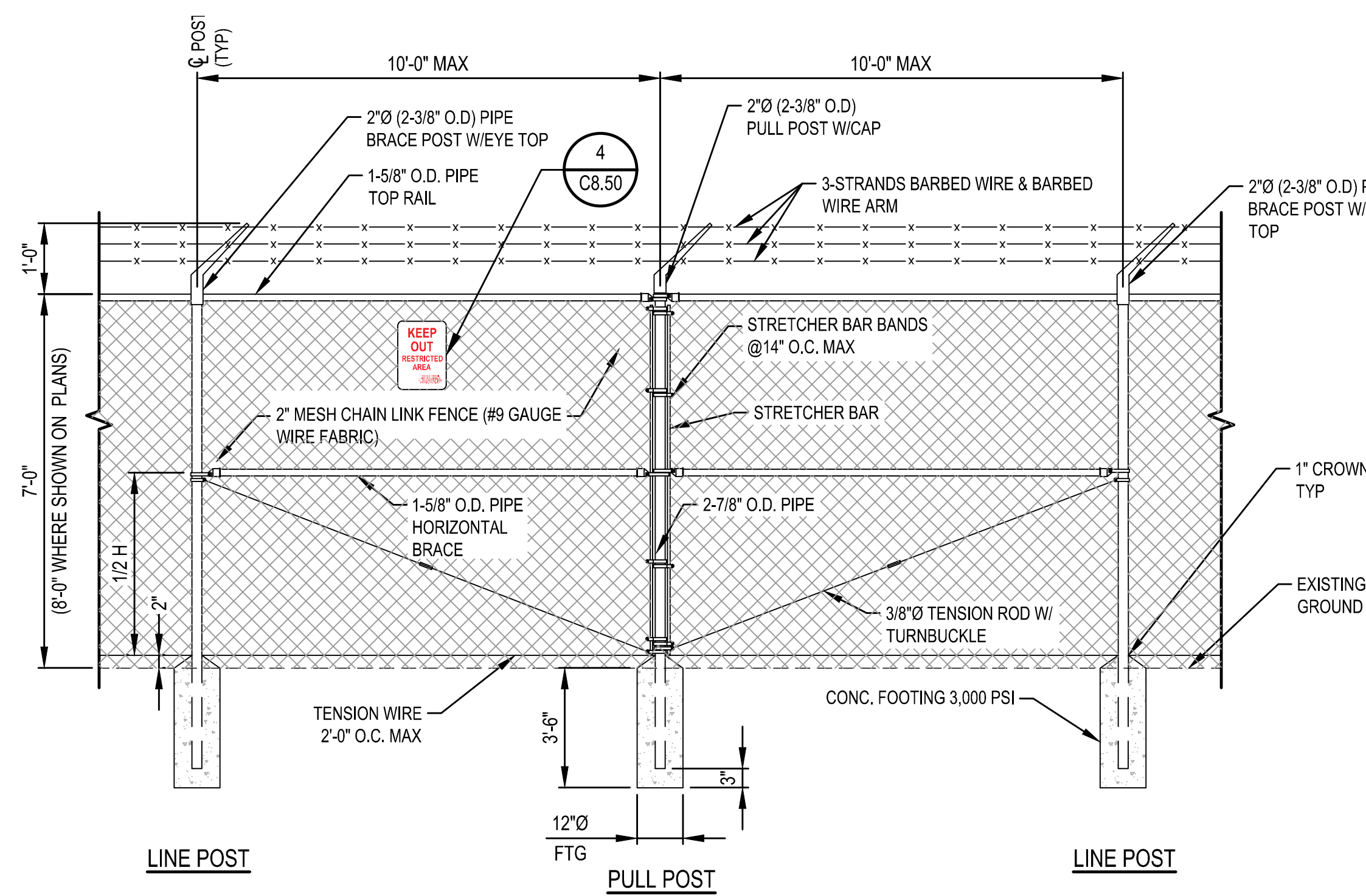


1. ALL BARBED WIRE STRANDS AND ACCESSORIES SHALL BE HOT-DIPPED GALVANIZED.

CORNER OR END POSTS SHALL BE SCH. 40, 2-7/8" X 10'-8" GALV. STEEL PIPE WITH EXTENSION ARM.
INTERMEDIATE OR PULL POSTS SHALL BE SCH. 40, 2-7/8" X 10'-8" GALV. STEEL PIPE W/ EXTENSION ARMS.
INTERMEDIATE POSTS SHALL BE REQUIRED AT 150' INTERVALS AND AT GRADE CHANGES EXCEEDING 5%.
FOR CORNER AND INTERMEDIATE POSTS RAIL AND TENSION ROD PANEL TO JOIN POSTS IN BOTH DIRECTIONS.

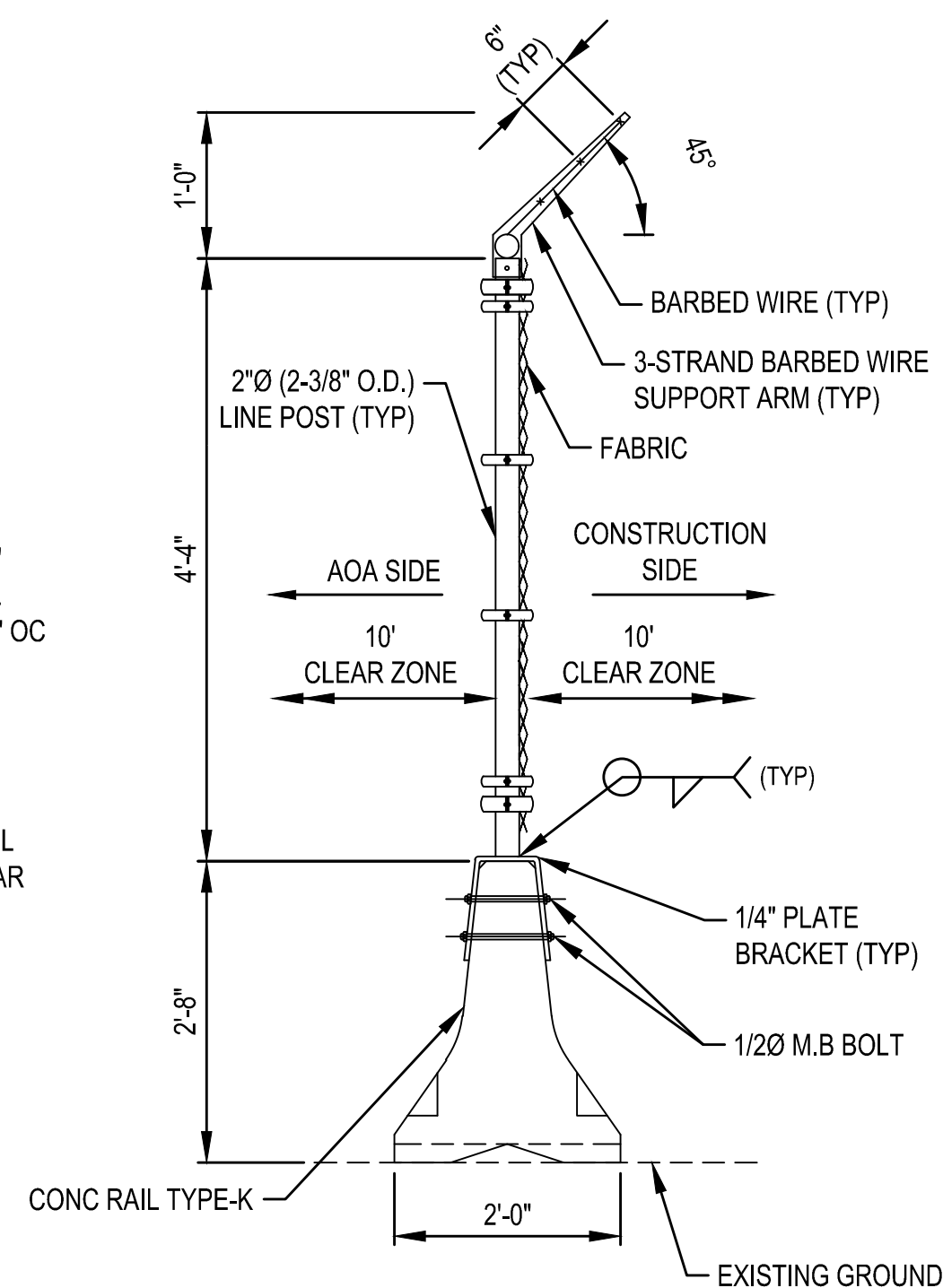


SCALE: N.T.S.



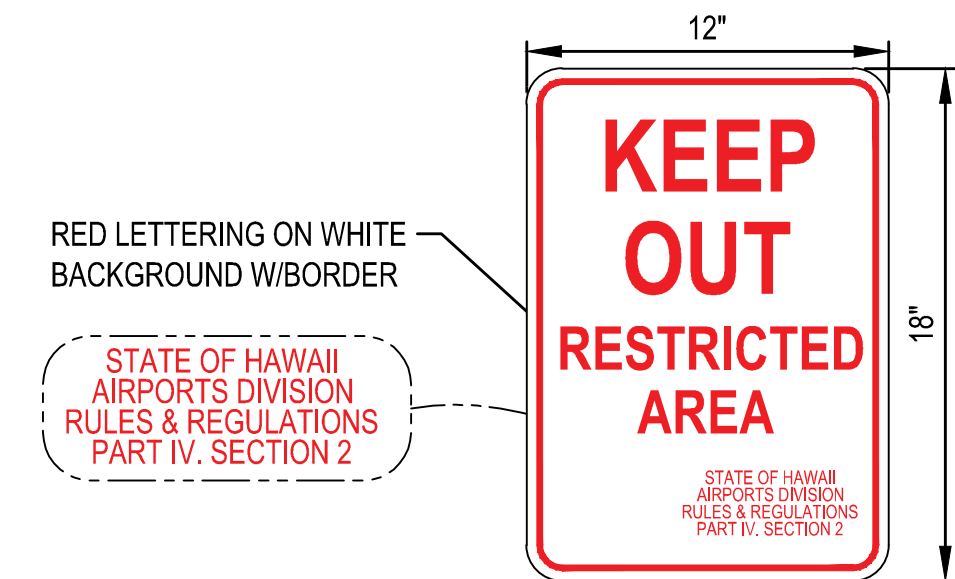
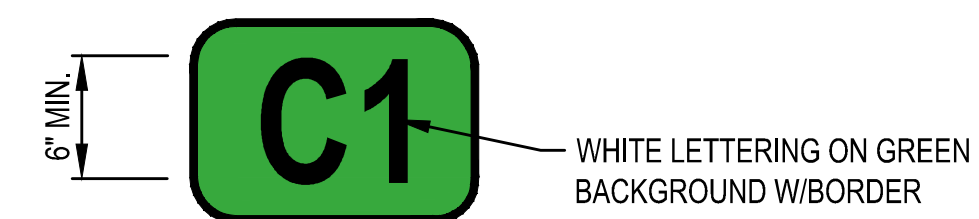
1. REFER TO DETAIL 1 FOR ADDITIONAL REQUIREMENTS.

SCALE: N.T.S.



WHITE LETTERING ON RED
BACKGROUND W/BORDER

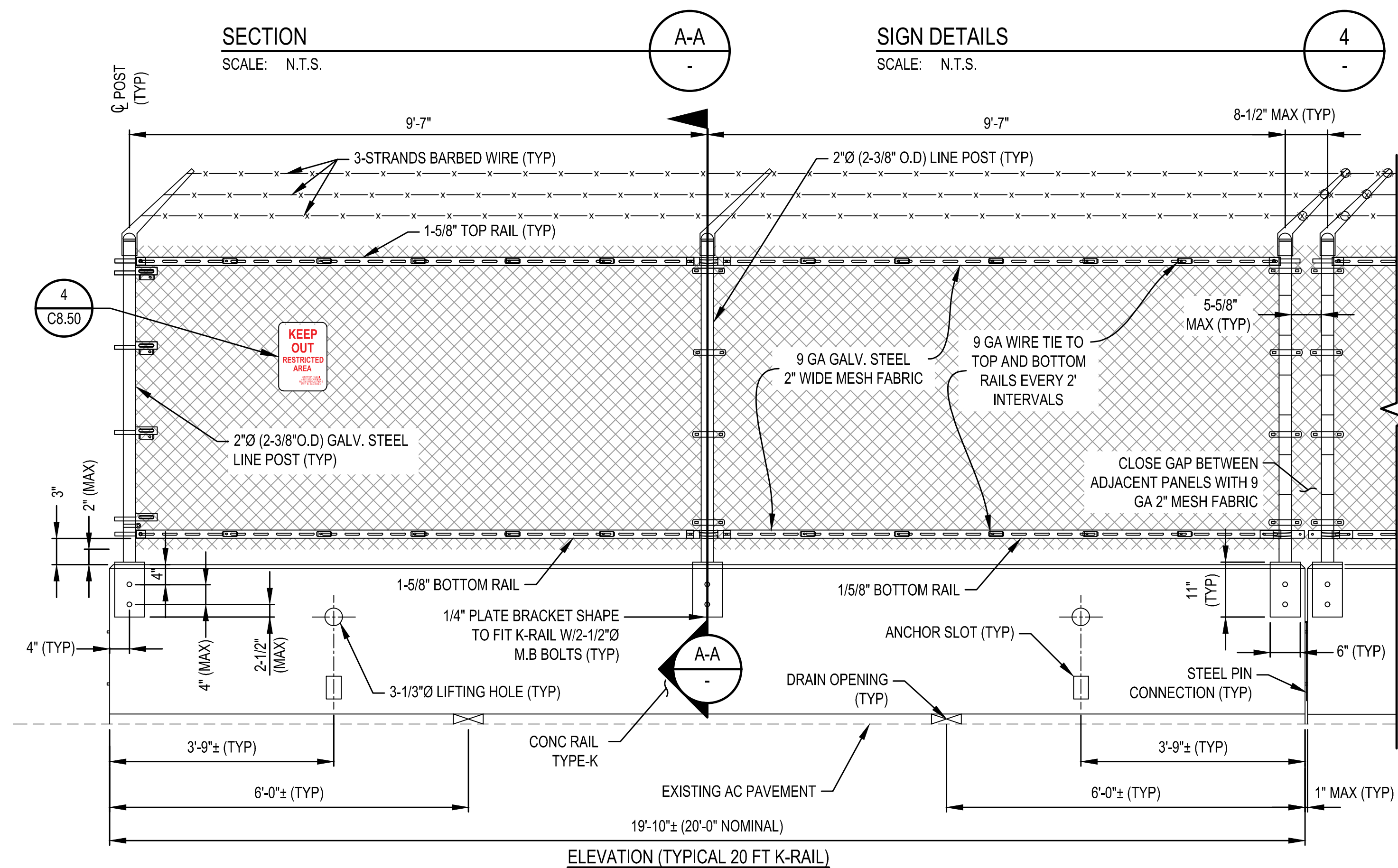
RESTRICTED AREA
(TSR Part 1542.207/SIDA)
LIH Airport ID Badges
Required

TSA SIGN FOR GATETSA SIGN

GATE SIGN

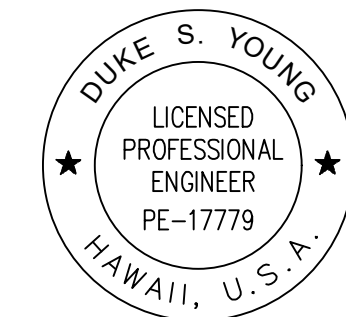
1. TSA SIGN LETTERING TO BE COORDINATED WITH ENGINEER. SIGNS SHALL BE PLACED EVERY 150' ON CENTER, UNLESS OTHERWISE SHOWN ON PLANS, OR DIRECTED BY THE ENGINEER.
2. GATE IDENTIFICATION SIGNS WILL BE ASSIGNED BY THE ENGINEER AND INSTALLED BY THE CONTRACTOR ON BOTH SIDES OF THE GATE.
3. "KEEP OUT" SIGNS SHALL BE PROVIDED AT 150' SPACING ALONG THE NEW AOA FENCE.

SCALE: N.T.S.



SCALE: N.T.S.

Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



Duke Young 4/30/24
DUKE YOUNG, PE Expiration Date
CIVIL ENGINEER

| | | | |
|-------|-------|-------|-------|
| DSGN. | DRWN. | CHKD. | APPD. |
| HF | HT | JB | DY |

KEY PLAN / NOTES:

| | | |
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| | | |
| NO. | DATE | REVISIONS |

CONSTRUCTION DOCUMENTS

JULY 2022
DATE

PROJECT TITLE :

RELOCATE RUNWAY 3-21

AT
LIHUE AIRPORT
LIHUE, KAUAI, HAWAII

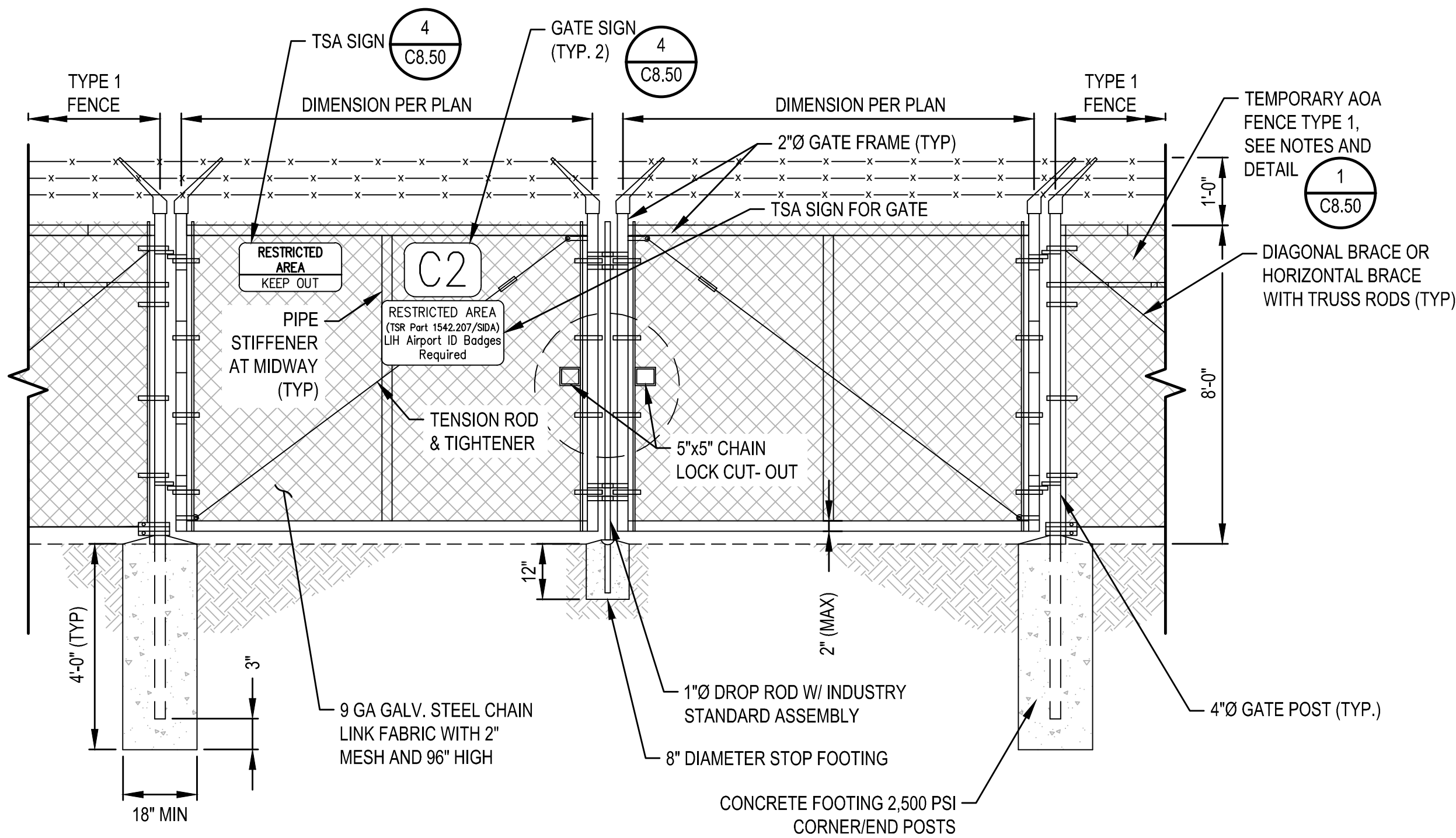
PROJECT NO.:

AK1031-14

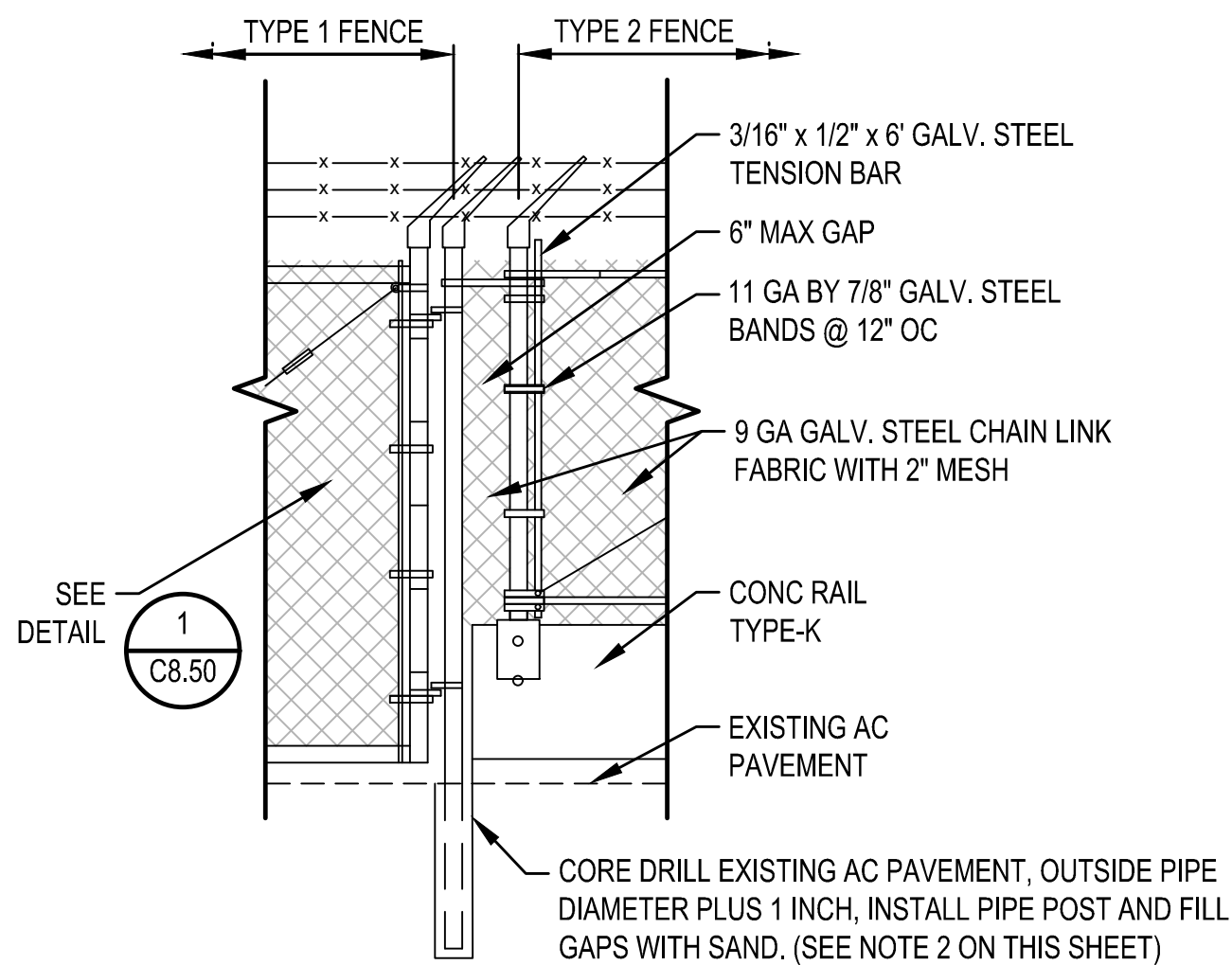
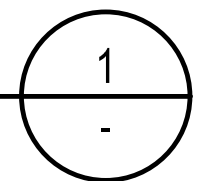
SHEET TITLE:

AOA FENCE DETAILS 1

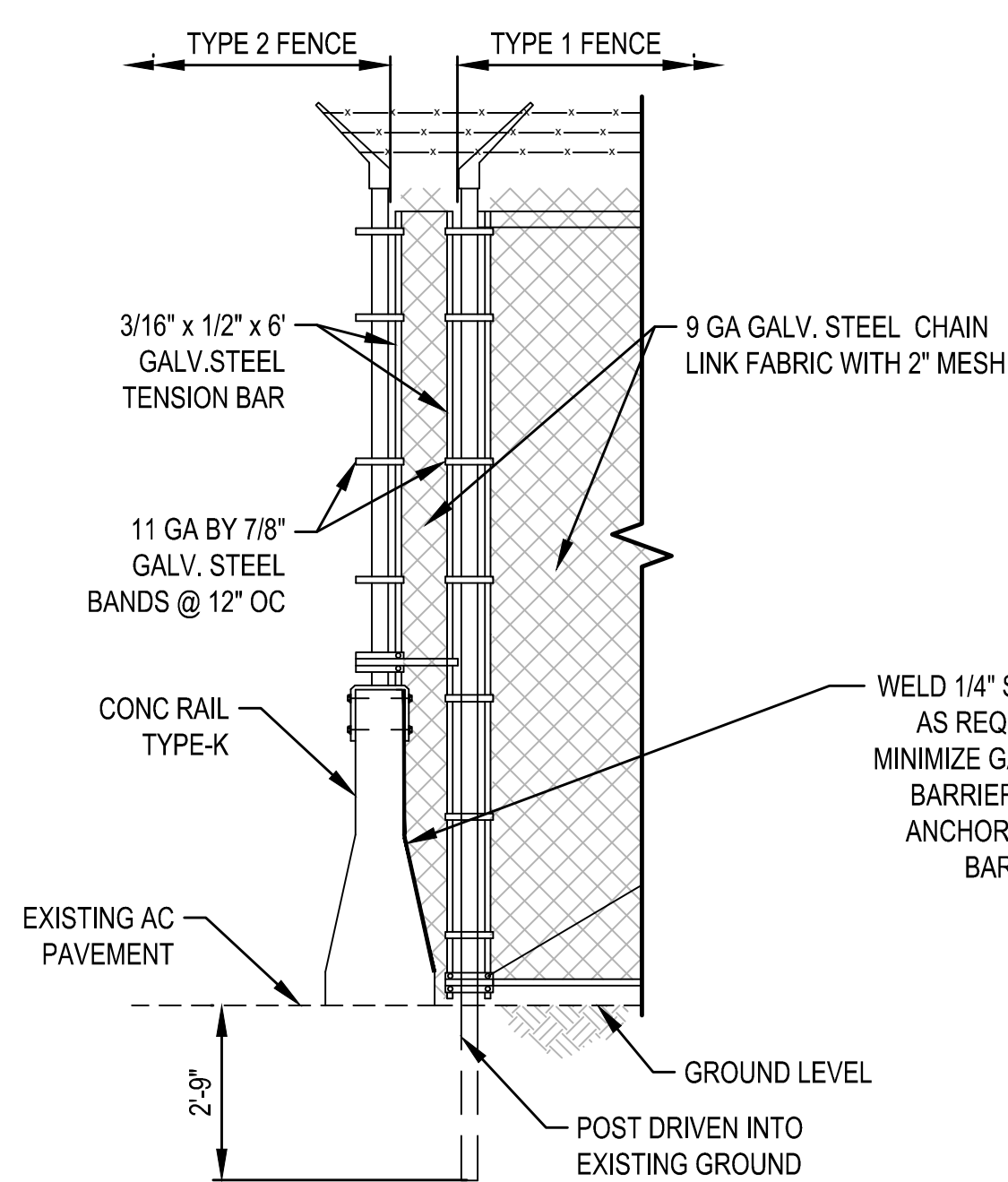
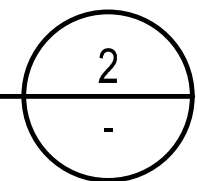
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| DATE : | DWG. NO. |
| 07/2022 | C8.50 |
| SHEET : | |
| 299 OF 376 SHEETS | |



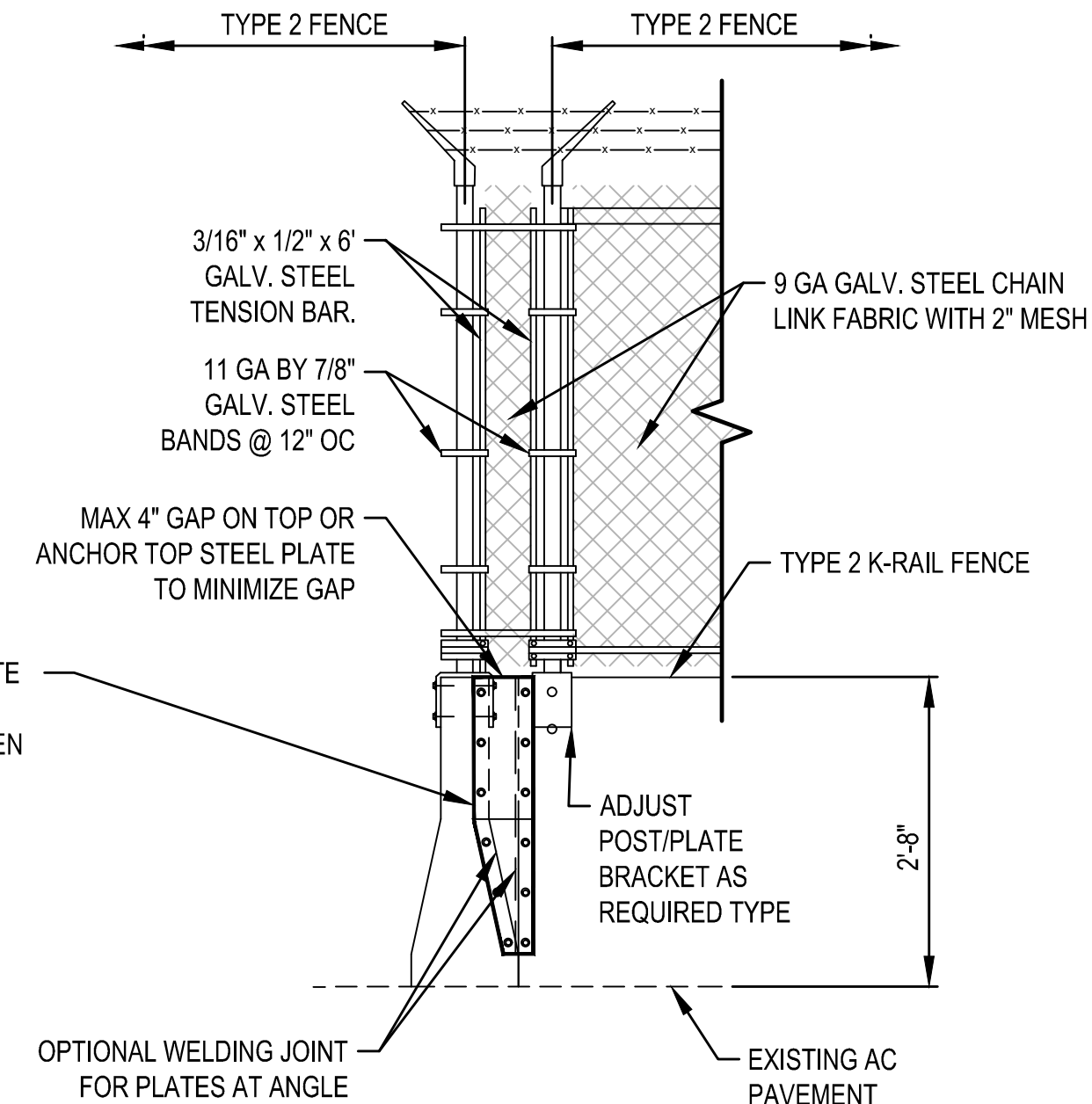
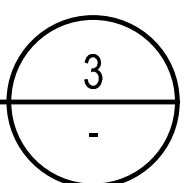
TEMPORARY CHAIN LINK
SWING GATE IN NON PAVED AREA AND
EXISTING VSR
SCALE: N.T.S.



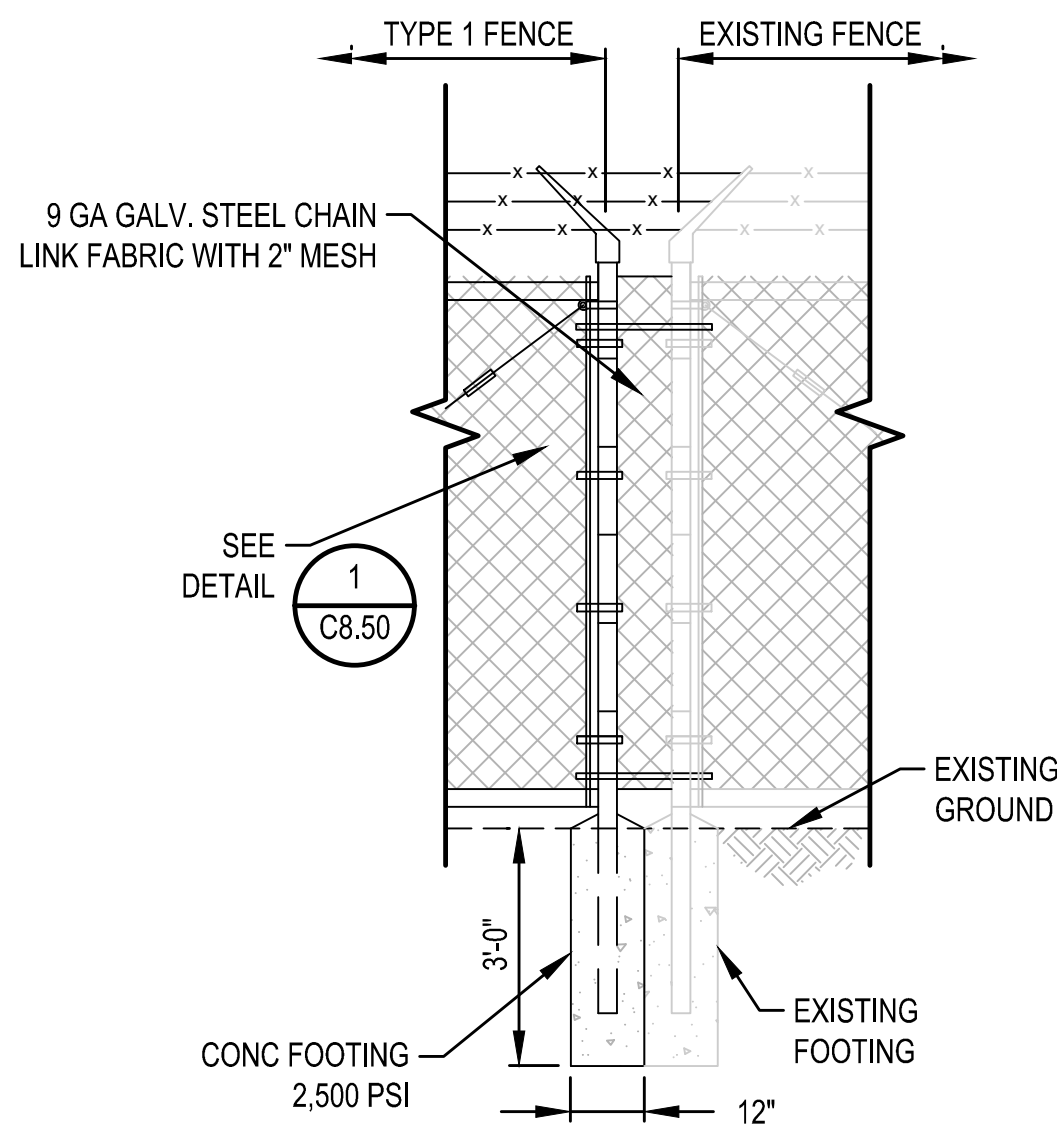
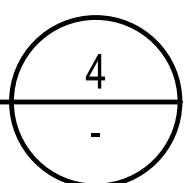
TYPE 2 FENCE TO TYPE 1
FENCE/GATE TIE-IN DETAIL
SCALE: N.T.S.



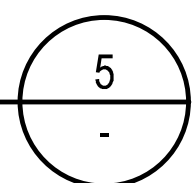
TYPE 1 FENCE TO TYPE 2
FENCE MID-SPAN TIE-IN DETAIL
SCALE: N.T.S.



TYPE 2 FENCE
CORNER TIE-IN DETAIL
SCALE: N.T.S.



TYPE 1 FENCE TO
EXISTING FENCE TIE-IN DETAIL
SCALE: N.T.S.

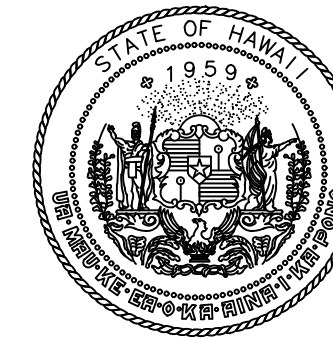


GENERAL NOTES

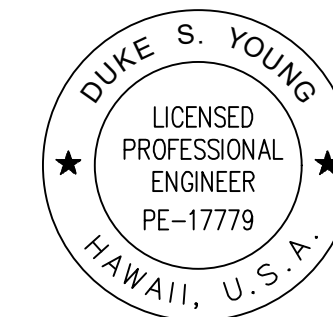
- CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS AGAINST DAMAGE AND SHALL REPAIR OR PATCH ALL DAMAGED AREAS TO MATCH EXISTING IMPROVEMENTS.
- CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA CLEAN AT ALL TIMES AND AT COMPLETION OF WORK, REMOVE ALL SURPLUS MATERIALS, EQUIPMENT AND DEBRIS AND LEAVE THE PREMISES IN A CLEAN CONDITION ACCEPTABLE TO THE OWNER OR OWNER'S REPRESENTATIVE.
- TYPE 2 FENCE SHALL BE INSTALLED AND CONNECTED TO EACH OTHER WITH 1-1/4\" STEEL PIN.
- CONCRETE K-RAIL USED FOR TYPE 2 FENCE SHALL BE IN GOOD CONDITION WITH NO MAJOR BROKEN AREAS.
- CONTRACTOR SHALL CLEAR THE FENCE LINE PER SPECIFICATION ITEM F-162 PRIOR TO INSTALLING FENCE AND MAINTAIN A 10 FOOT CLEAR ZONE ON EACH SIDE OF TEMPORARY AOA FENCE. THERE SHALL BE NO PARKING OR STAGING OF VEHICLES, EQUIPMENT OR MATERIALS IN THE ZONE.
- INSTALL TSA WARNING SIGNS ON CONSTRUCTION SIDE OF AOA FENCES EVERY 150' OR AS DIRECTED BY THE ENGINEER PER DETAIL 3 ON C8.50.
- LINE POSTS, RAILS AND BRACES: ASTM F-1083 SCH 40 REGULAR GRADE OR ASTM F-1043 GROUP IA-1. GALVANIZED COATING PER ASTM F-1083 OR ASTM F-1043 GROUP IA.
- INSTALL ELECTRICAL GROUNDING PER SPECIFICATIONS.
- FABRIC: ASTM F1345 CLASS 2, MACHINE BOLTS: ASTM A307
- FITTINGS: ASTM F626, STEEL PLATE: ASTM A36
- WELDING
ELECTRODES: E70XX LOW HYDROGEN
WELDING: PER AWS D1.1
SUBMIT WELD PROCEDURES FOR ALL WELDS PER AWS D1.1
- SPECIAL INSPECTIONS
SHOP WELDING:
1. NOT REQUIRED WHEN DONE IN AN APPROVED FABRICATOR'S SHOP EXCEPT FOR FILLET WELD IN EXCESS OF 5/16\" WHERE PERIODIC INSPECTION IS REQUIRED.
2. FABRICATOR SHALL SUBMIT WELD PROCEDURES.
FIELD WELDING:
1. PERIODIC INSPECTION OF SINGLE PASS WELD NOT EXCEEDING 5/16\"
2. PERIODIC INSPECTION OF WELD STUDS
COMPLETE PENETRATION WELDS SHALL BE TESTED 100% EITHER BY ULTRASONIC TESTING OR RADIOGRAPHY.
- GATE DETAIL SHOWN HERE IS FOR INFORMATION ONLY. CONTRACTOR SHALL CONTACT THE MANUFACTURER FOR THE ORDERING, DELIVERY AND INSTALLATION REQUIREMENTS OF GATE ASSEMBLY, INCLUSIVE BUT NOT LIMITED TO ALL CONNECTIONS, CONCRETE FOUNDATIONS, REINFORCEMENTS, AND EMBEDS.
- AT CONTRACTOR'S OPTION, FENCE ON K-RAIL (TYPE 2) MAY BE INSTALLED IN LIEU OF TYPE 1.

SHEET NOTES:

- UPON COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE ALL TEMPORARY FENCE AND GATES AND BACKFILL CORE-HOLES WITH 5,000 PSI MIN. RAPID SET MORTAR MIX DYED BLACK OR APPROVED EQUAL IN PAVED AREAS.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR CANTILEVER CONNECTION OF GATE TO CONCRETE K-RAIL (TYPE 2 FENCE).



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



Duke Young
DUKE YOUNG, PE
CIVIL ENGINEER

4/30/24
Expiration Date

| DSGN. | DRWN. | CHKD. | APPD. |
|-------|-------|-------|-------|
| HF | HT | JB | DY |

KEY PLAN / NOTES:

| NO. | DATE | REVISIONS |
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CONSTRUCTION DOCUMENTS

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RELOCATE RUNWAY 3-21

AT
LIHUE AIRPORT
LIHUE, KAUAI, HAWAII

PROJECT NO.:

AK1031-14

SHEET TITLE:

AOA FENCE DETAILS 2

| | |
|-------------------|----------|
| DATE : | DWG. NO. |
| 07/2022 | C8.51 |
| SHEET : | |
| 300 OF 376 SHEETS | |