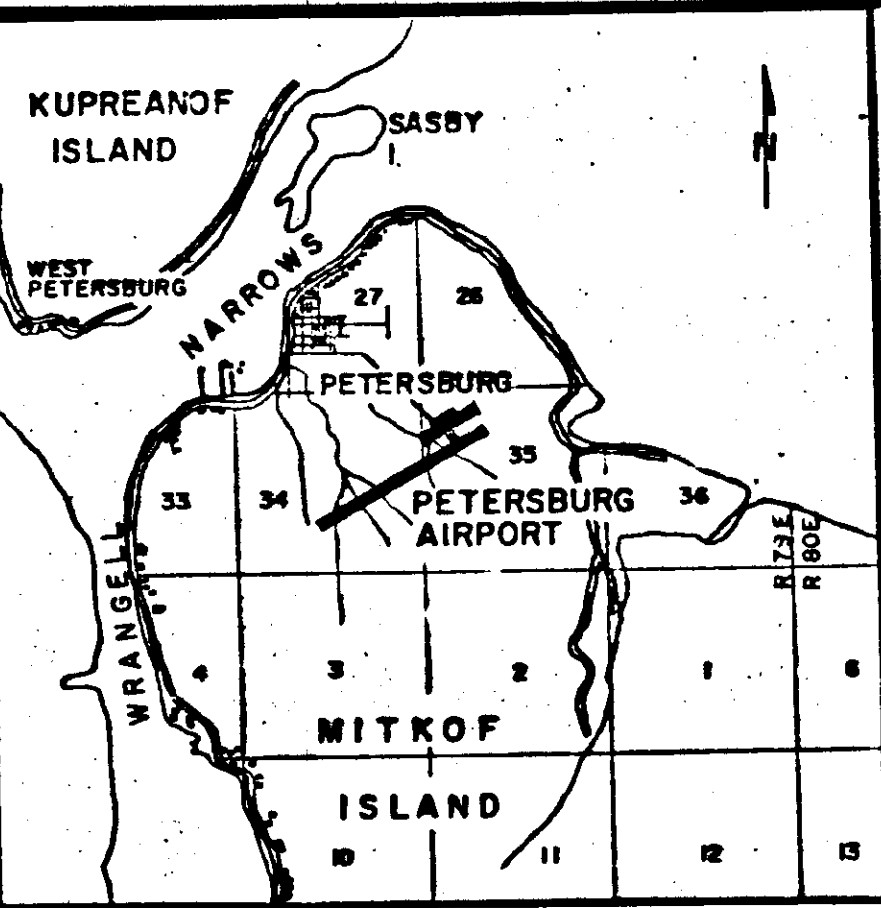
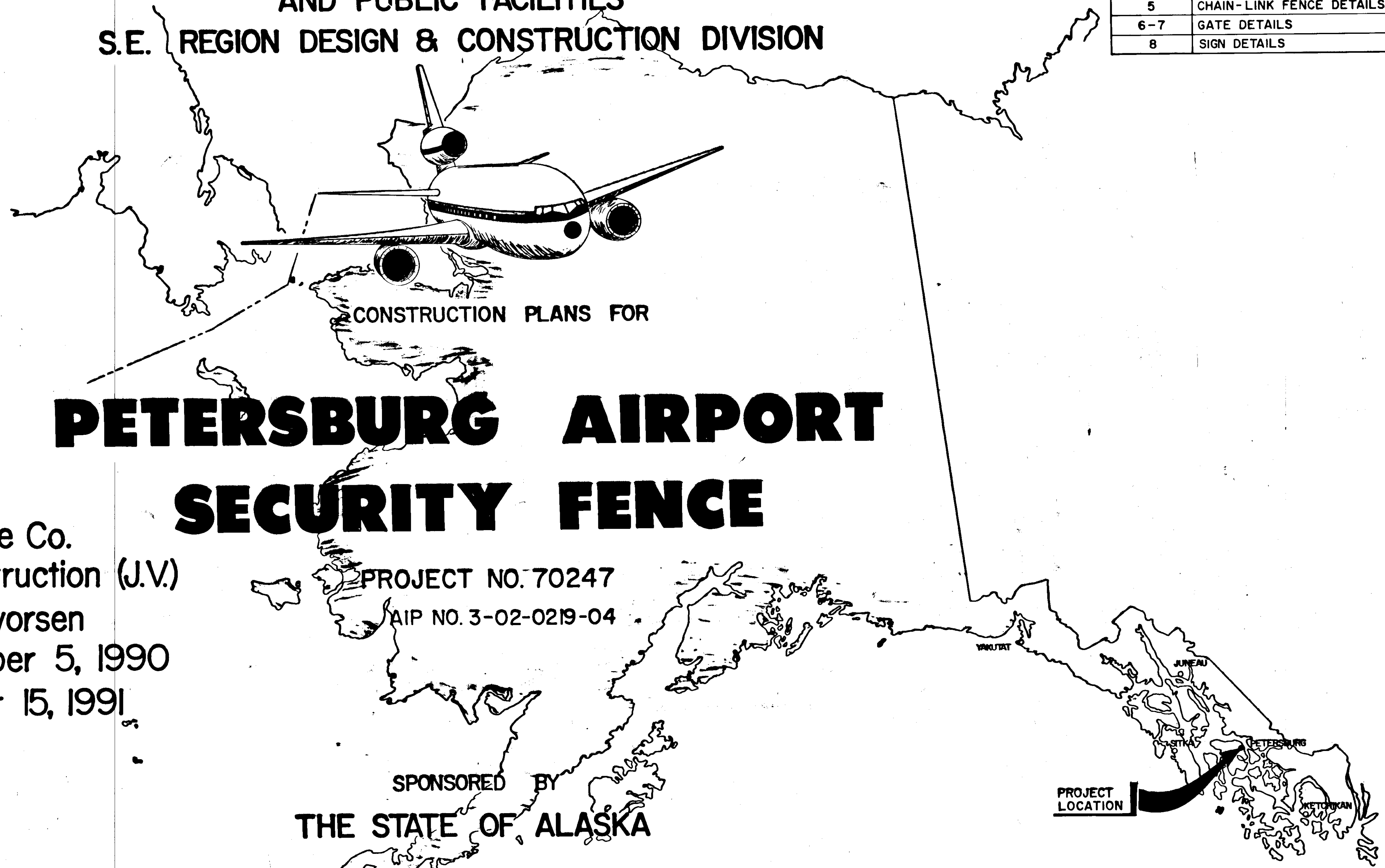


SHEET NO.	INDEX OF SHEETS
1	TITLE SHEET
2	SITE PLAN
3	APRON LAYOUT
4	ESTIMATE OF QUANTITIES & DETAILS
5	CHAIN-LINK FENCE DETAILS
6-7	GATE DETAILS
8	SIGN DETAILS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & CONSTRUCTION DIVISION



VICINITY MAP
SCALE: 1" = 1 MILE
PROTRACTED T 59 S, R 79 E
COPPER RIVER, MERIDIAN, ALASKA



CONSTRUCTION PLANS FOR

**PETERSBURG AIRPORT
SECURITY FENCE**

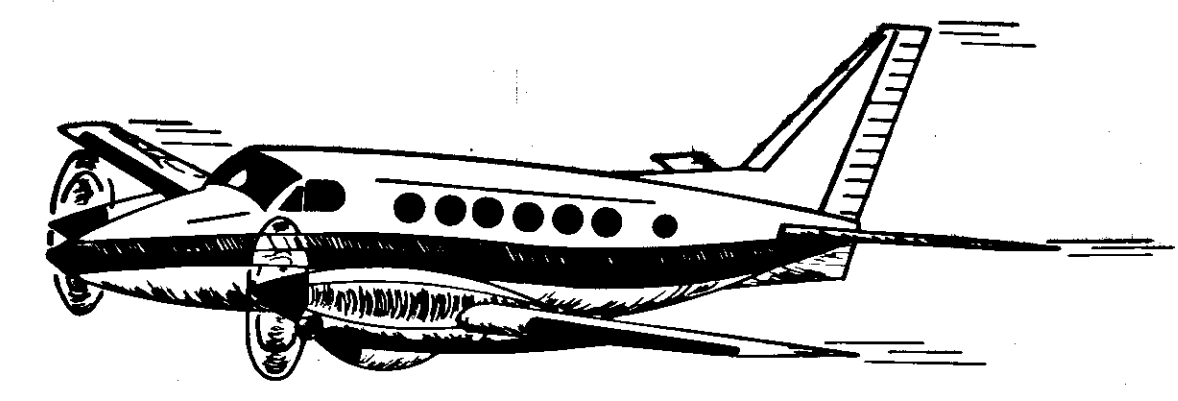
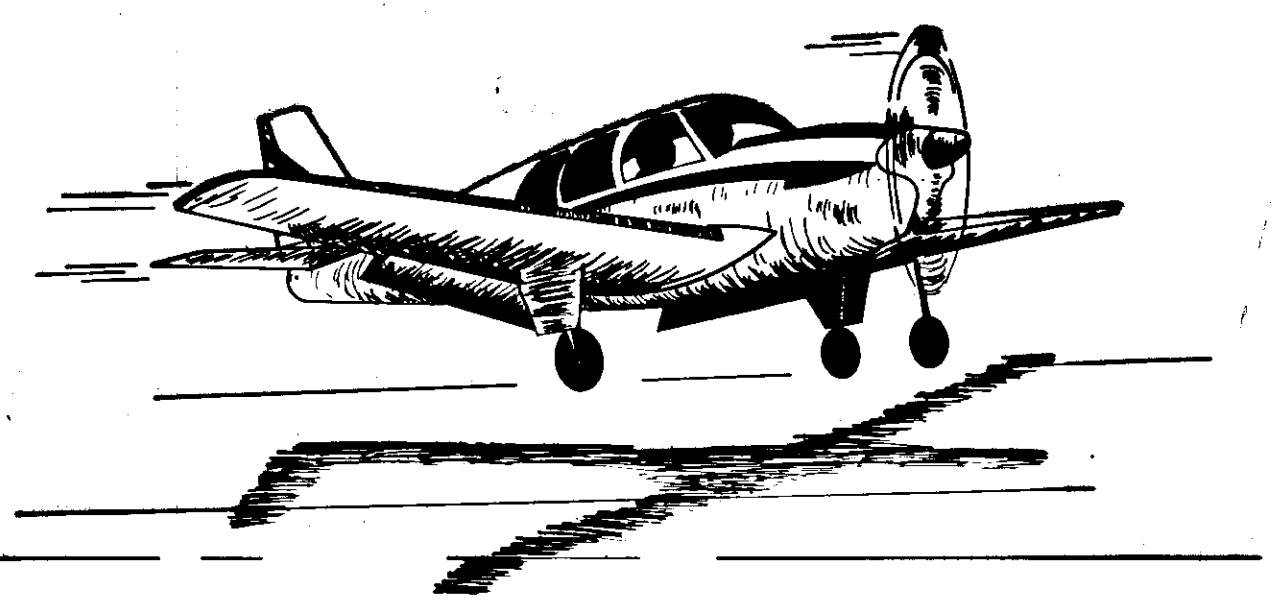
"As-Built" PLANS

CONTRACTOR: Glacier Bear Fence Co.
& Trucano Construction (J.V.)
PROJECT ENGINEER: Mark Halvorsen
BEGIN CONSTRUCTION: December 5, 1990
END CONSTRUCTION: November 15, 1991

PROJECT NO. 70247
AIP NO. 3-02-0219-04

SPONSORED BY
THE STATE OF ALASKA

PROJECT LOCATION



APPROVED
Eugene Darnell
EUGENE DARNELL, ACTING DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION
DATE 7-9-90

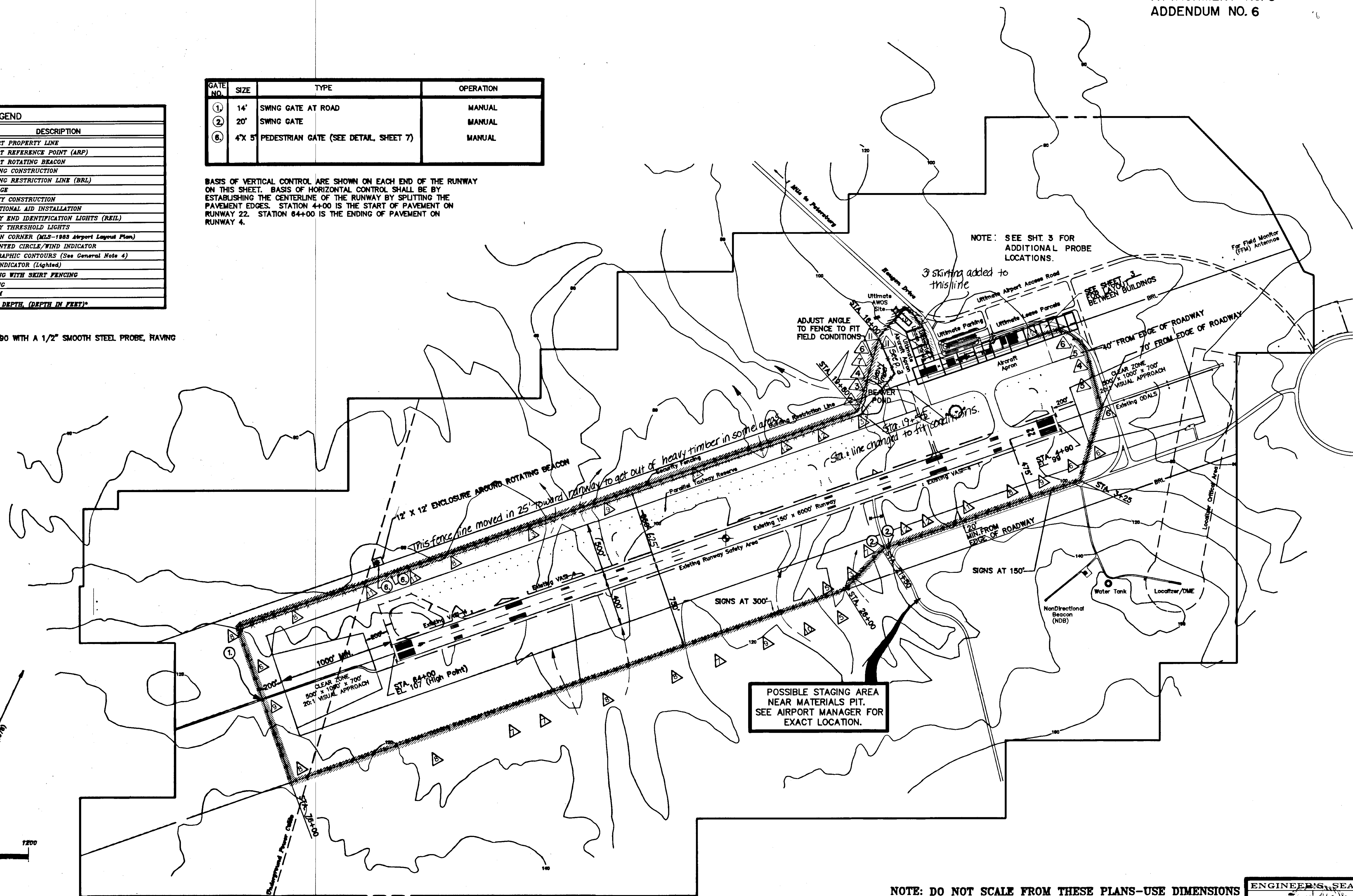
APPROVED
Jim Merrill
JIM MERRILL, DESIGN CHIEF, S.E. REGION DESIGN
DATE 7-9-90

LEGEND		
EXISTING	THIS PROJECT	DESCRIPTION
---	---	AIRPORT PROPERTY LINE
+	+	AIRPORT REFERENCE POINT (ARP)
★	★	AIRPORT ROTATING BEACON
▬	▬	BUILDING CONSTRUCTION
---	---	BUILDING RESTRICTION LINE (BRL)
---	---	DRAINAGE
---	---	FACILITY CONSTRUCTION
---	---	NAVIGATIONAL AID INSTALLATION
---	---	RUNWAY END IDENTIFICATION LIGHTS (REIL)
---	---	RUNWAY THRESHOLD LIGHTS
---	---	SECTION CORNER (MLS-1985 Airport Layout Plan)
---	---	SEGMENTED CIRCLE/WIND INDICATOR
---	---	TOPOGRAPHIC CONTOURS (See General Note 4)
---	---	WIND INDICATOR (Lighted)
---	---	FENCING WITH SKIRT FENCING
---	---	FENCING
---	---	STREAM
---	---	PROBE DEPTH (DEPTH IN FEET)

GATE NO.	SIZE	TYPE	OPERATION
①	14'	SWING GATE AT ROAD	MANUAL
②	20'	SWING GATE	MANUAL
③	4' X 5'	PEDESTRIAN GATE (SEE DETAIL, SHEET 7)	MANUAL

BASIS OF VERTICAL CONTROL ARE SHOWN ON EACH END OF THE RUNWAY ON THIS SHEET. BASIS OF HORIZONTAL CONTROL SHALL BE BY ESTABLISHING THE CENTERLINE OF THE RUNWAY BY SPLITTING THE PAVEMENT EDGES. STATION 4+00 IS THE START OF PAVEMENT ON RUNWAY 22. STATION 64+00 IS THE ENDING OF PAVEMENT ON RUNWAY 4.

• HAND PROBES TAKEN ON 5/30/90 WITH A 1/2" SMOOTH STEEL PROBE, HAVING A 3/4" POINT AND "T" HANDLE.



NOTE: SEE SHT. 3 FOR ADDITIONAL PROBE LOCATIONS.

POSSIBLE STAGING AREA NEAR MATERIALS PIT. SEE AIRPORT MANAGER FOR EXACT LOCATION.

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:
PB/CSA	8/10	ADDED ADDITIONAL SKIRTING, CORRECTED STAGING AREA LOCATION
WH/CSA	8/31	ADDED PROBE DEPTHS.

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

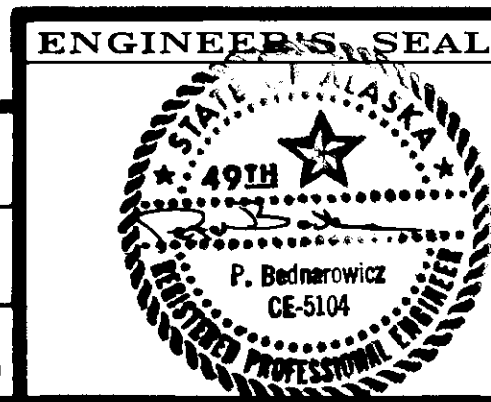
PETERSBURG

PETERSBURG AIRPORT
SITE PLAN

ALASKA

DESIGNED BY:
DRAWN BY: AUTOCADD
CHECKED BY:

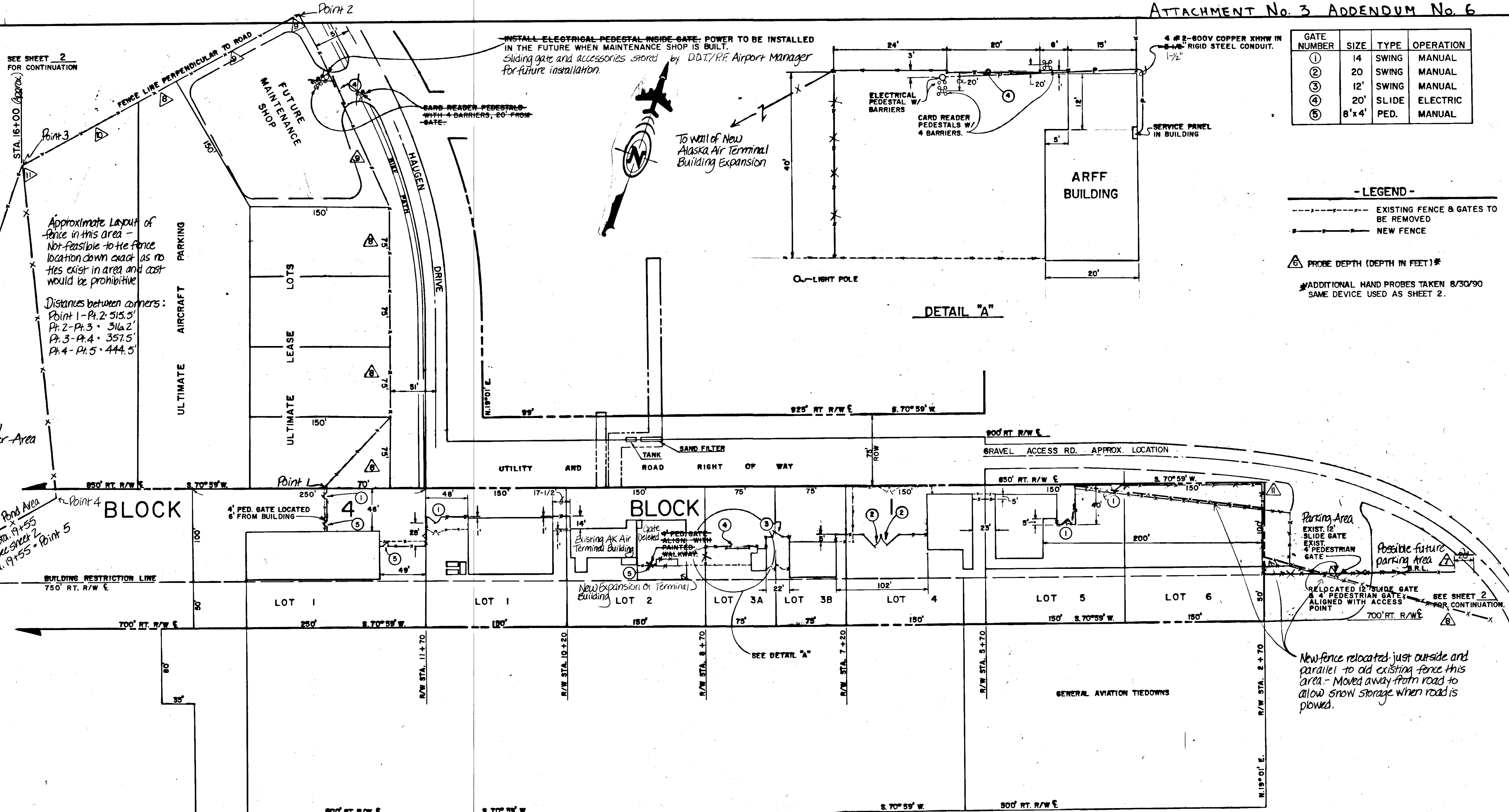
SCALE
DATE:
SHEET 2 OF 8



GATE NUMBER	SIZE	TYPE	OPERATION
①	14'	SWING	MANUAL
②	20'	SWING	MANUAL
③	12'	SWING	MANUAL
④	20'	SLIDE	ELECTRIC
⑤	8' x 4'	PED.	MANUAL

- LEGEND -
 - - - - - EXISTING FENCE & GATES TO BE REMOVED
 ——— NEW FENCE

△ PROBE DEPTH (DEPTH IN FEET)*
 *ADDITIONAL HAND PROBES TAKEN 8/30/90 SAME DEVICE USED AS SHEET 2.



SEE SHEET 2 FOR CONTINUATION
 STA. 16+00 (Approx.)
 FENCE LINE PERPENDICULAR TO ROAD
 FUTURE MAINTENANCE SHOP
 CARD READER PEDESTALS WITH 4 BARRIERS, 20' FROM GATE
 INSTALL ELECTRICAL PEDESTAL INSIDE GATE. POWER TO BE INSTALLED IN THE FUTURE WHEN MAINTENANCE SHOP IS BUILT. Sliding gate and accessories stored by D.O.T./P.F. Airport Manager for future installation.
 To wall of New Alaska Air Terminal Building Expansion
 ULTIMATE AIRCRAFT PARKING
 ULTIMATE LEASE LOTS
 ULTIMATE LOTS
 Approximate Layout of fence in this area - Not feasible to tie fence location down exact as no ties exist in area and cost would be prohibitive.
 Distances between corners:
 Point 1 - Pt. 2 = 515.5'
 Pt. 2 - Pt. 3 = 316.2'
 Pt. 3 - Pt. 4 = 357.5'
 Pt. 4 - Pt. 5 = 444.5'

Heavy Timber Area

To Beaver Pond Area and Sta. 19+55 See Sheet 2. Sta. 19+55 = Point 5

Parking Area EXIST. 12' SLIDE GATE EXIST. 4' PEDESTRIAN GATE
 Possible future parking area
 RELOCATED 12' SLIDE GATE & 4' PEDESTRIAN GATE ALIGNED WITH ACCESS POINT
 SEE SHEET 2 FOR CONTINUATION.

New fence relocated just outside and parallel to old existing fence this area - Moved away from road to allow snow storage when road is plowed.

ATTACHMENT 4
 ADDENDUM 6

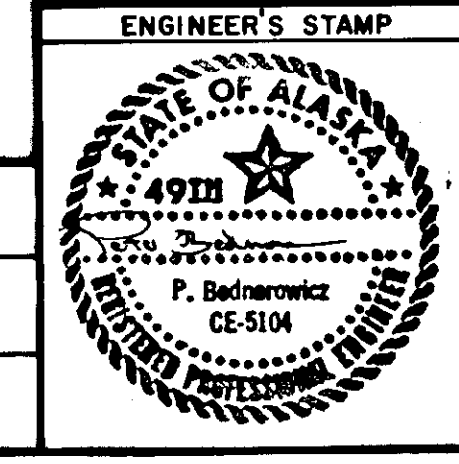
BY	DATE	DESCRIPTION OF CHANGE
WJ/CSA	8-31-90	Add probe locations, revise location exist fence & access Road.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PROJECT NO. 70247
 PETERSBURG AIRPORT
 SECURITY FENCING
 APRON LAYOUT

DESIGNED BY: _____
 DRAWN BY: W.D.A.
 CHECKED BY: _____

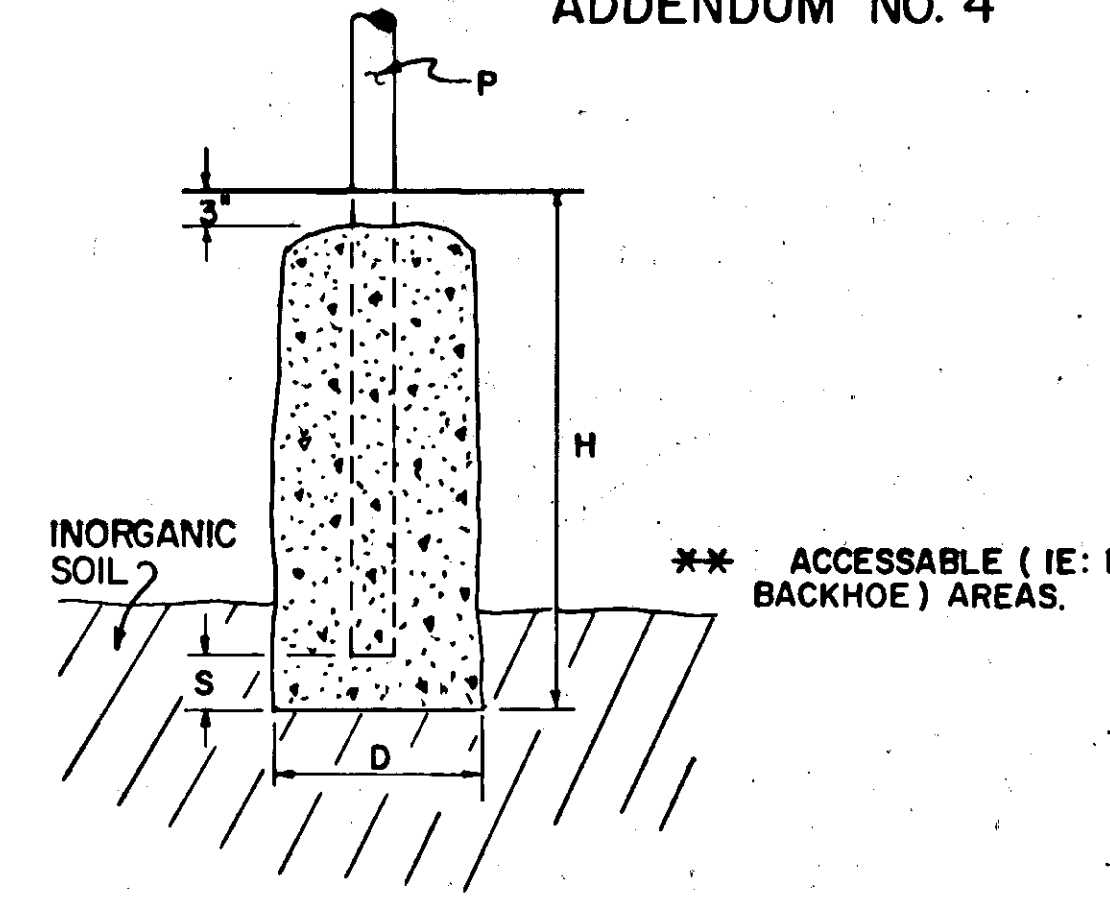
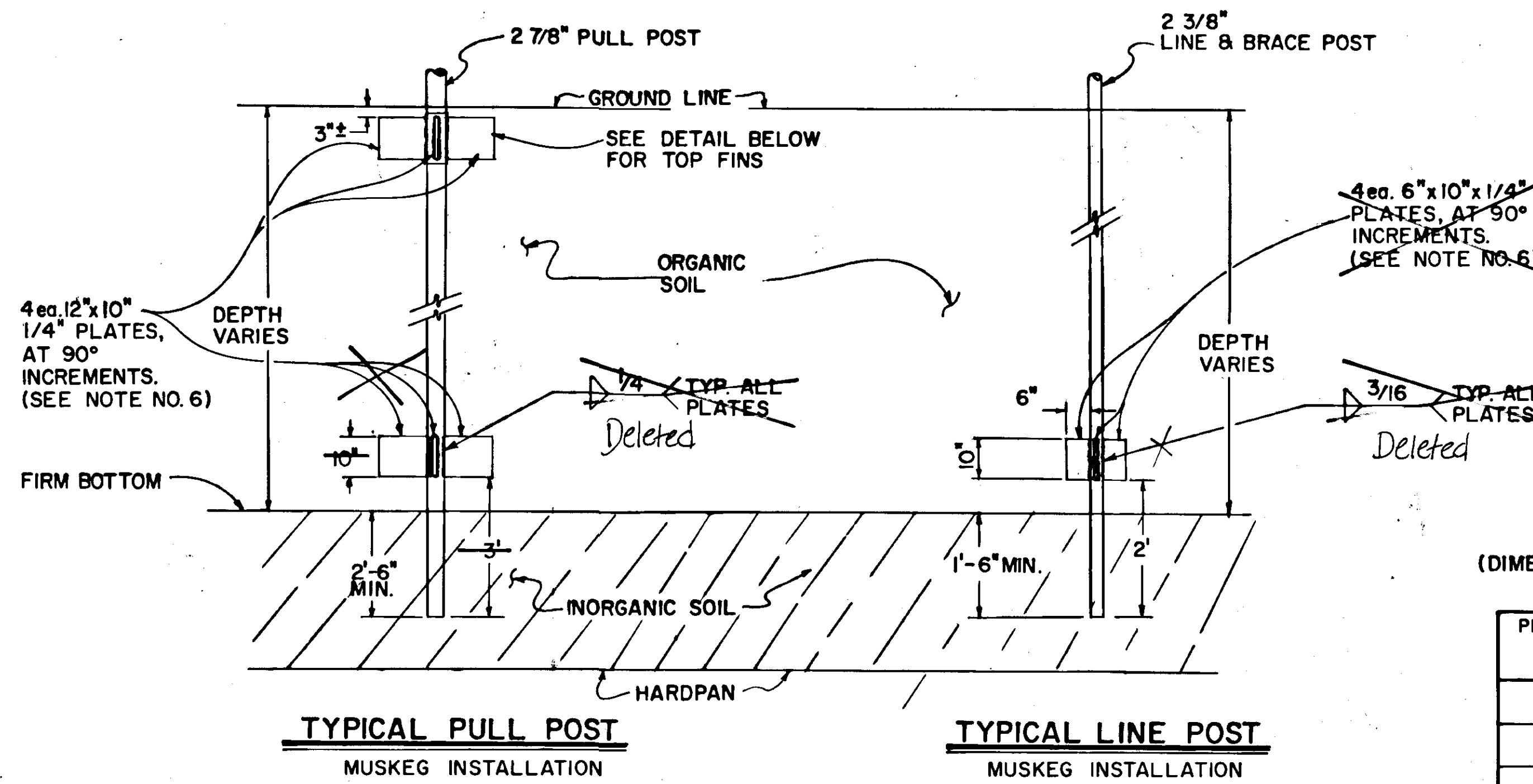
SCALE: _____
 DATE: _____
 SHEET 3 OF 8



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
100	MOBILIZATION & DEMOBILIZATION.	L.S.	ALL REQ'D.
120 (1)	DBE ADJUSTMENTS	C.S.	ALL REQ'D.
200a	CLEARING.	ACRE L.S.	All Req'd.
440a1	CHAIN-LINK FENCE 8 FT. HIGH.	L.F.	18,162 18,500
440a2	3 FT. SKIRTING	L.F.	17,335.3 16,600
440b1	DRIVE THRU SWING GATE (8' X 12').	EA.	1
440b2	DRIVE THRU SWING GATE (8' X 14').	EA.	5
440b3	DRIVE THRU SWING GATE (8' X 20').	EA.	4
440b4	DRIVE THRU SLIDE GATE (8' X 20').	EA.	2
440c1	PEDESTRIAN GATE (8' X 4').	EA.	3
440c2	PEDESTRIAN GATE (5' X 4').	EA.	2
440d	CHAIN-LINK FENCE REMOVAL	L.F.	850.5 1,020
440e	SIGNING	S.F.	256 248
441	GATE OPERATOR	EA.	* 2 1

* One Gate Operator stored by Airport Manager for future installation.

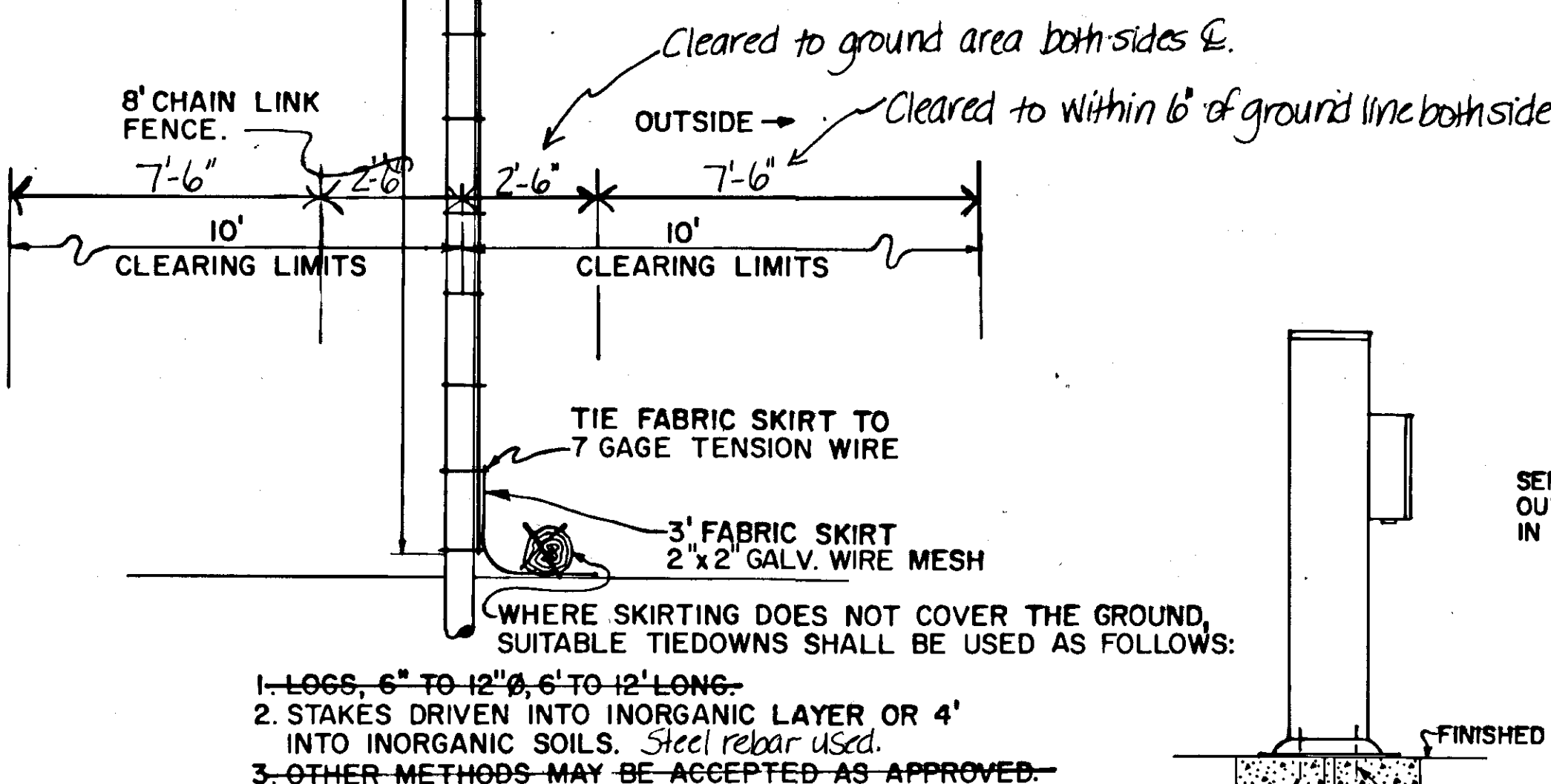
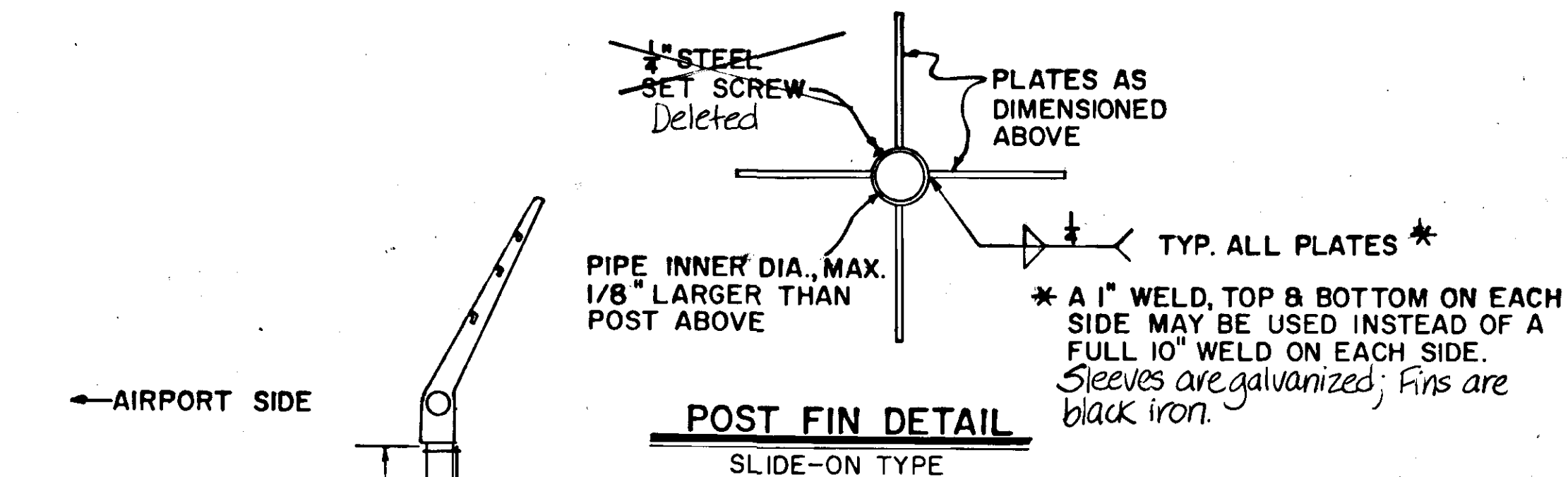


TYPICAL POST DETAIL
(DIMENSION "H" EXTENDS INTO INORGANIC SOILS)**

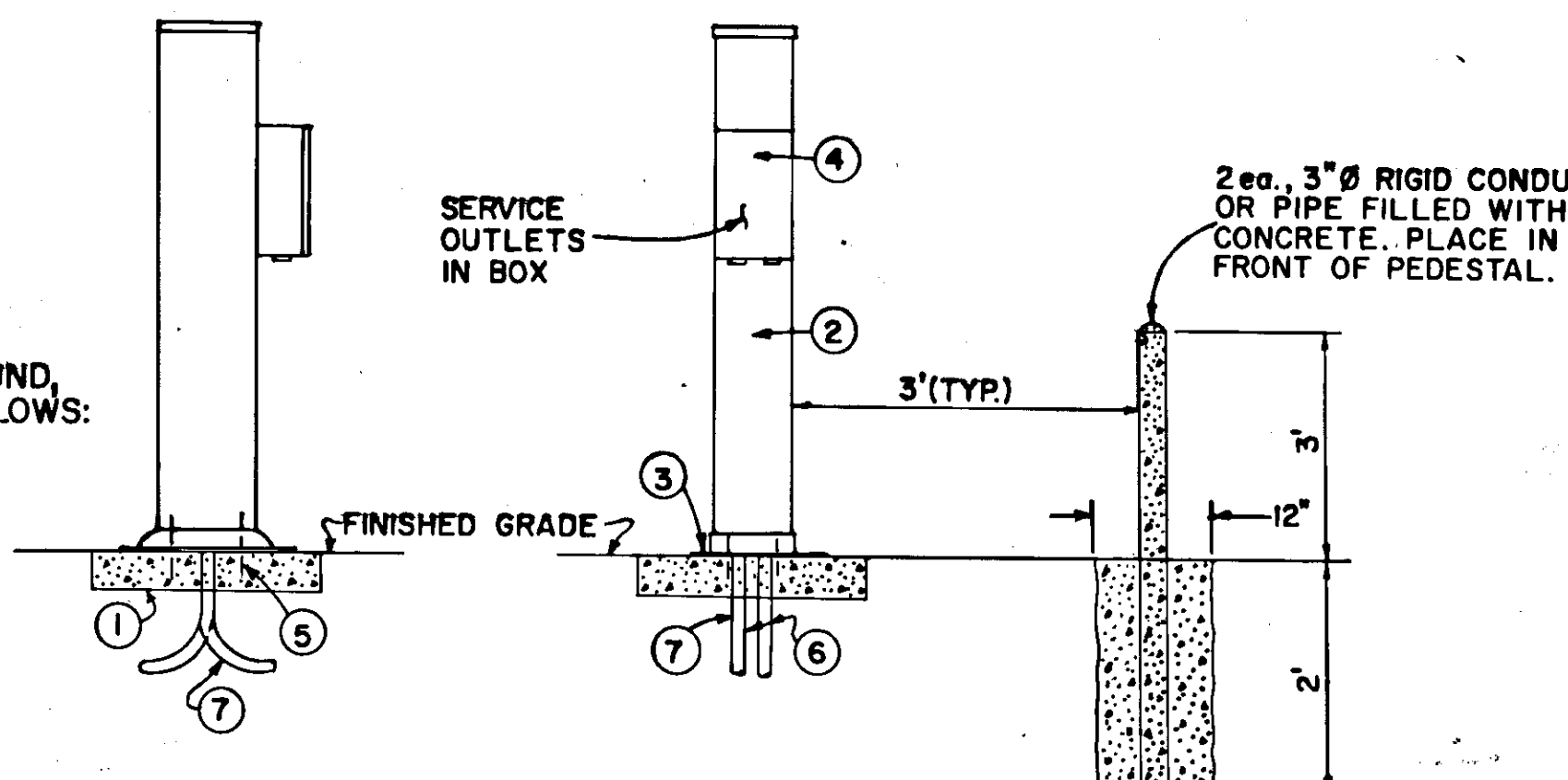
PIPE OUTSIDE DIA.	CONCRETE D	CONCRETE HEIGHT H	SPACE S
P	D	H	S
2 3/8"	10"	38"	2"
2 7/8"	12"	38"	2"
8 5/8"	20"	60"	6"

GENERAL NOTES

- ALL HARDWARE SHALL BE GALVANIZED, EXCEPT FINIS MAY BE BLACK IRON.
- IN MUSKEG, POSTS SHALL BE DRIVEN TO THE MINIMUM DEPTH INDICATED IN THE INORGANIC LAYER.
- WHEN EXTENDING POSTS, POST ENDS ARE TO BE THREADED AND CONNECTED WITH A COUPLING.
- SLIDE-ON TYPE POST FINIS WILL BE DRIVEN IN PLACE AFTER POST IS DRIVEN, ON THE TOP FINIS.
- SEE "FABRIC SKIRT DETAIL" THIS SHEET FOR CLEARING LIMITS.
- SLIDE-ON TYPE POST FINIS MAY BE USED FOR THE BOTTOM FIN, WITH AN APPROVED WELDING OR BOLT-ON METHOD. Bottom Finis deleted.
- GROUND RODS SHALL BE SPACED AT 200' ALONG THE ENTIRE FENCE LINE. ALL INDEPENDENT SECTIONS OF FENCE WILL REQUIRE AT LEAST 1 GROUND ROD.
- BRACE OR TENSION BANDS SHALL BE 1/8" X 1".



FABRIC SKIRT DETAIL



ELECTRICAL PEDESTAL

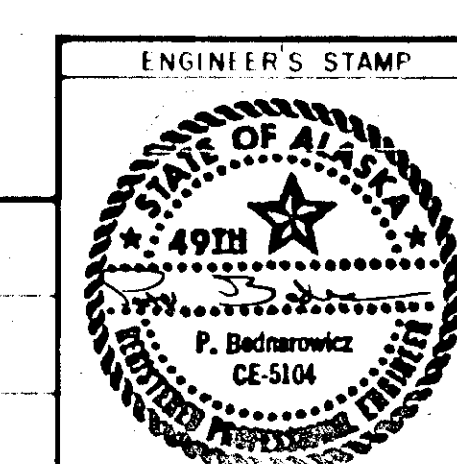
TYP. BARRIER

- 2'x2'x6" CONCRETE PAD.
- 8"x10" PEDESTAL.
- PEDESTAL BASE.
- CIRCUIT BREAKER & RECEPTACLE.
- MOUNT W/ 3/4" GALV. BOLTS & WASHERS.
- 1-1/2" RIGID STEEL CONDUIT W/ 90° ELBOW FOR # 2-600V. CABLE.
- 1-1/2" CONDUIT TO ELECTRIC GATE.

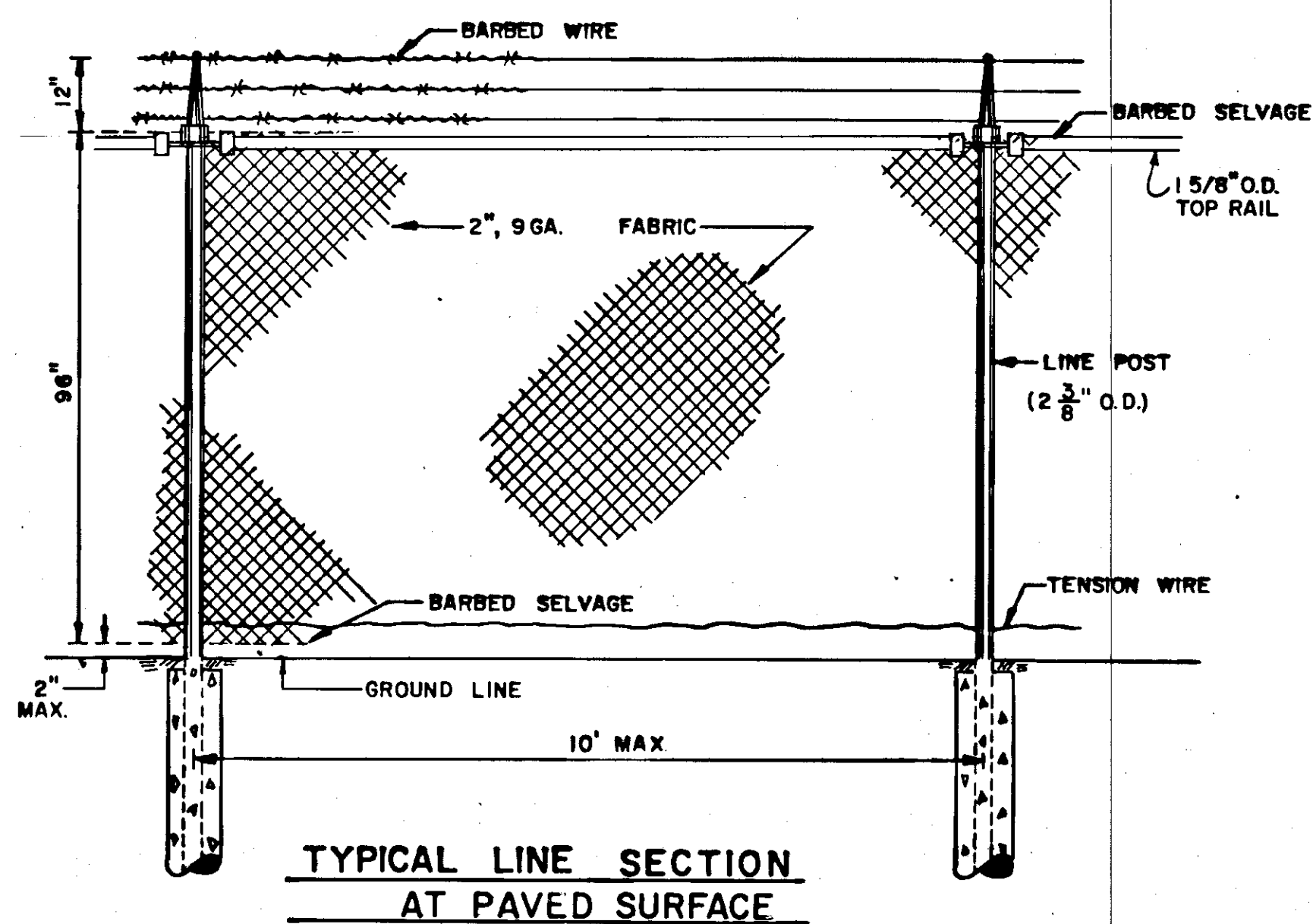
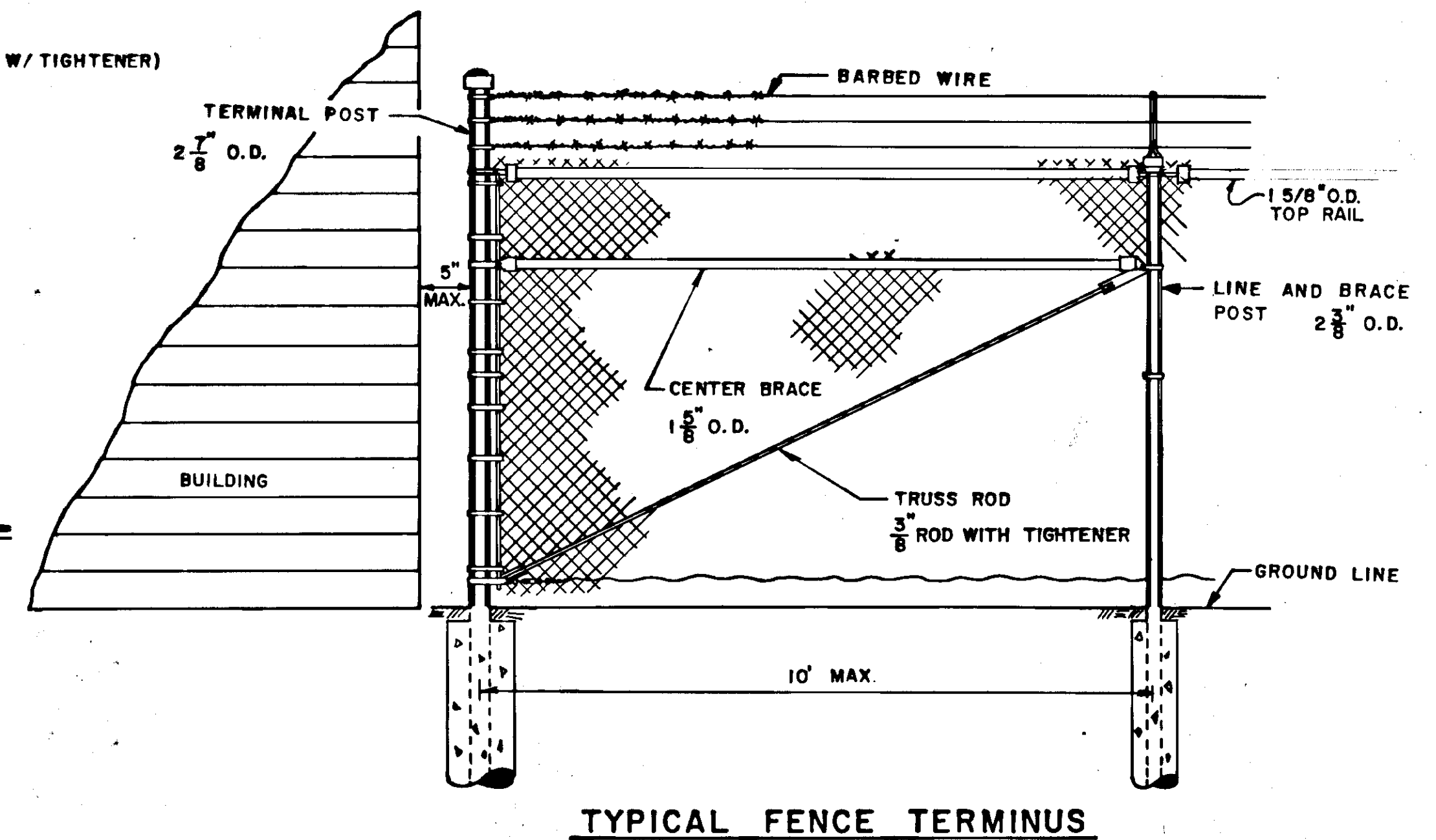
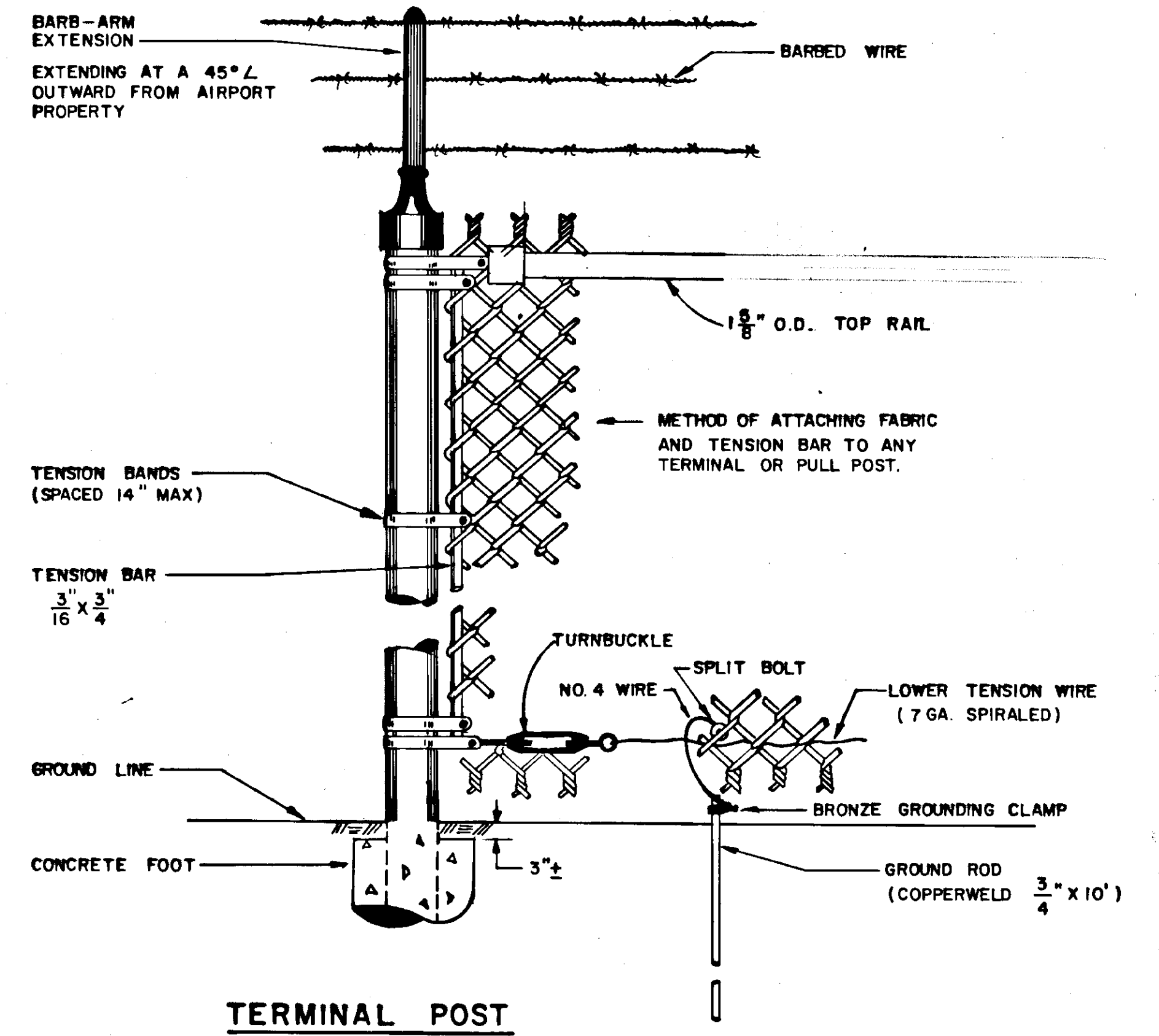
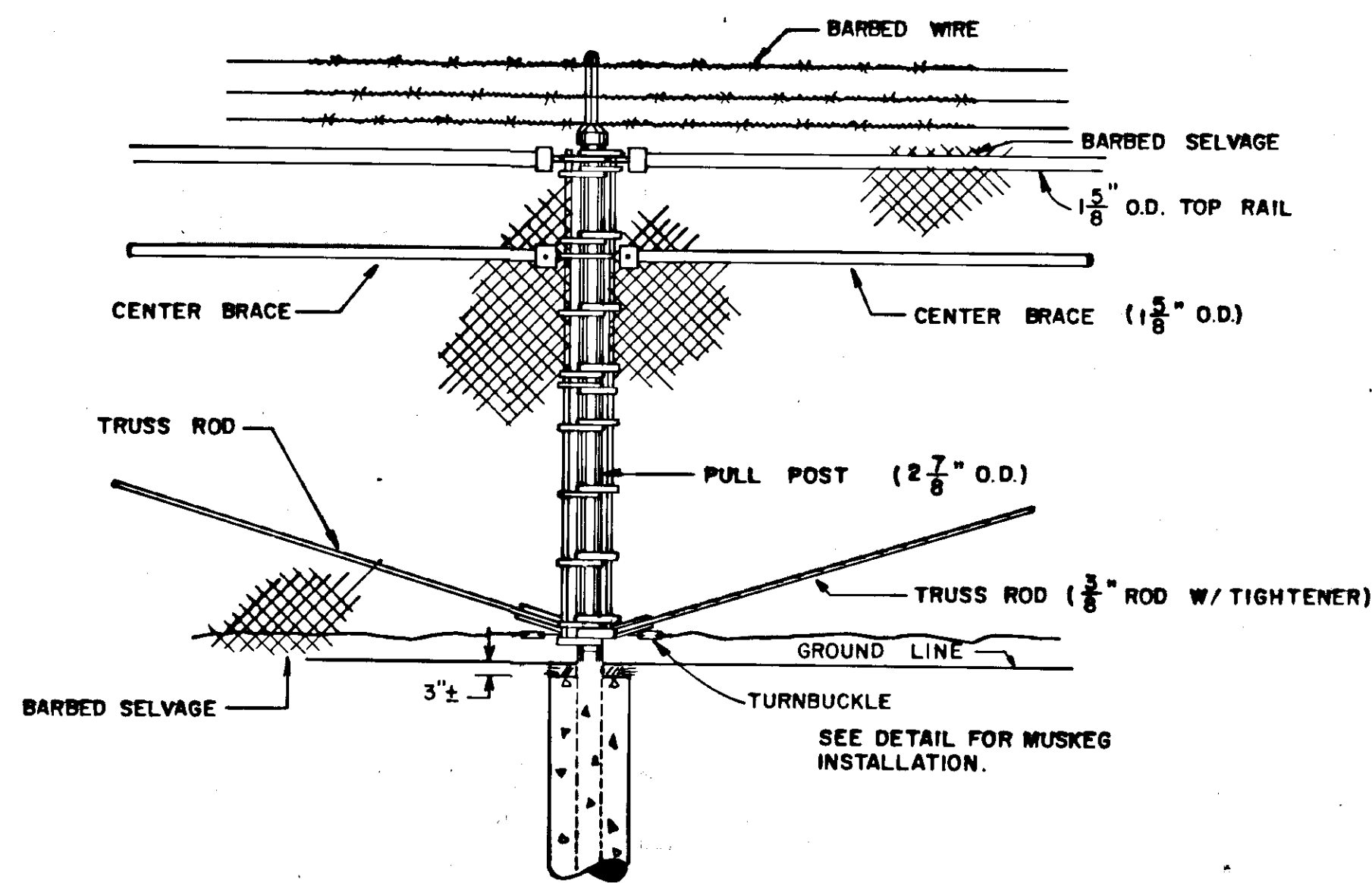
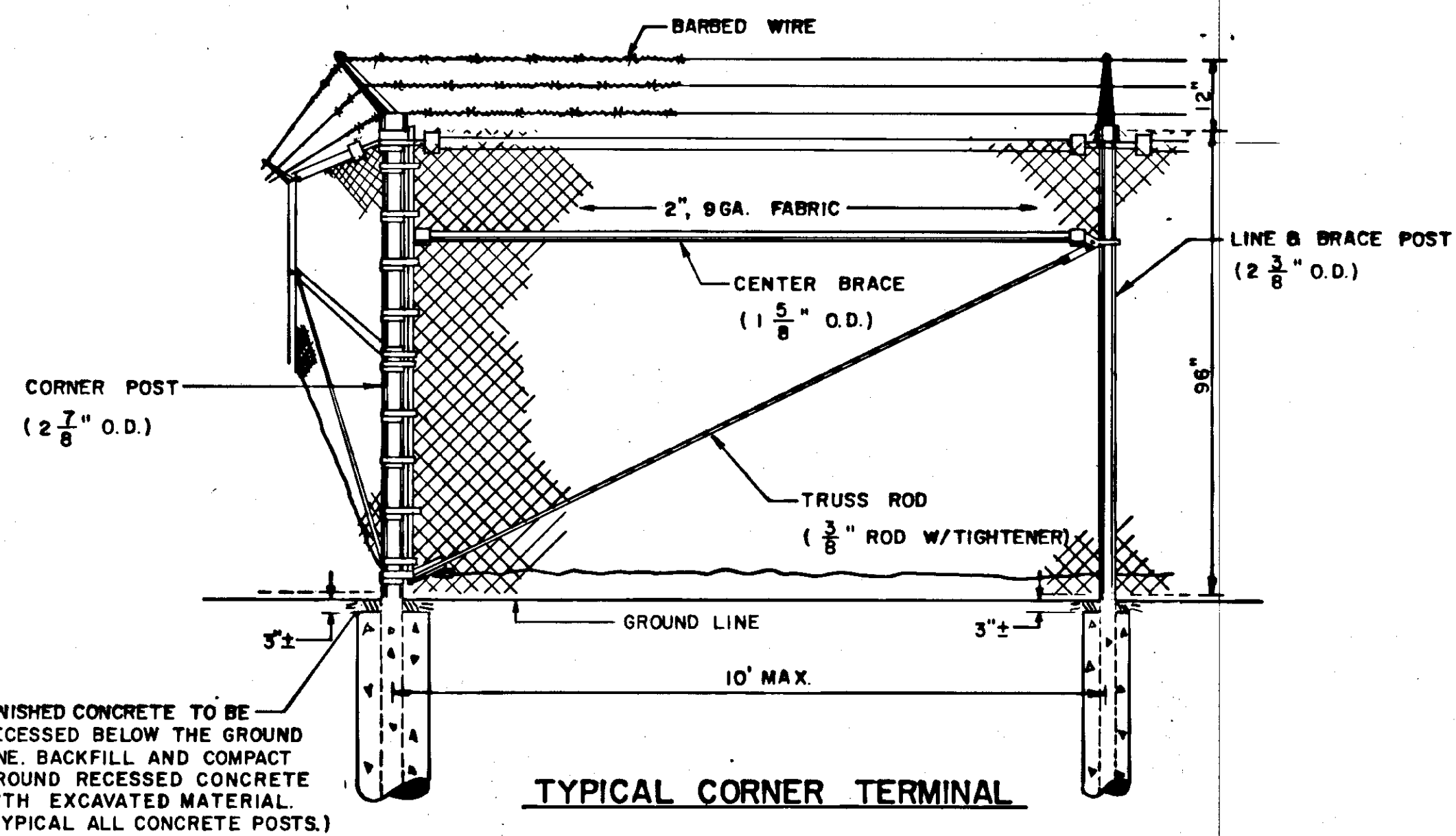
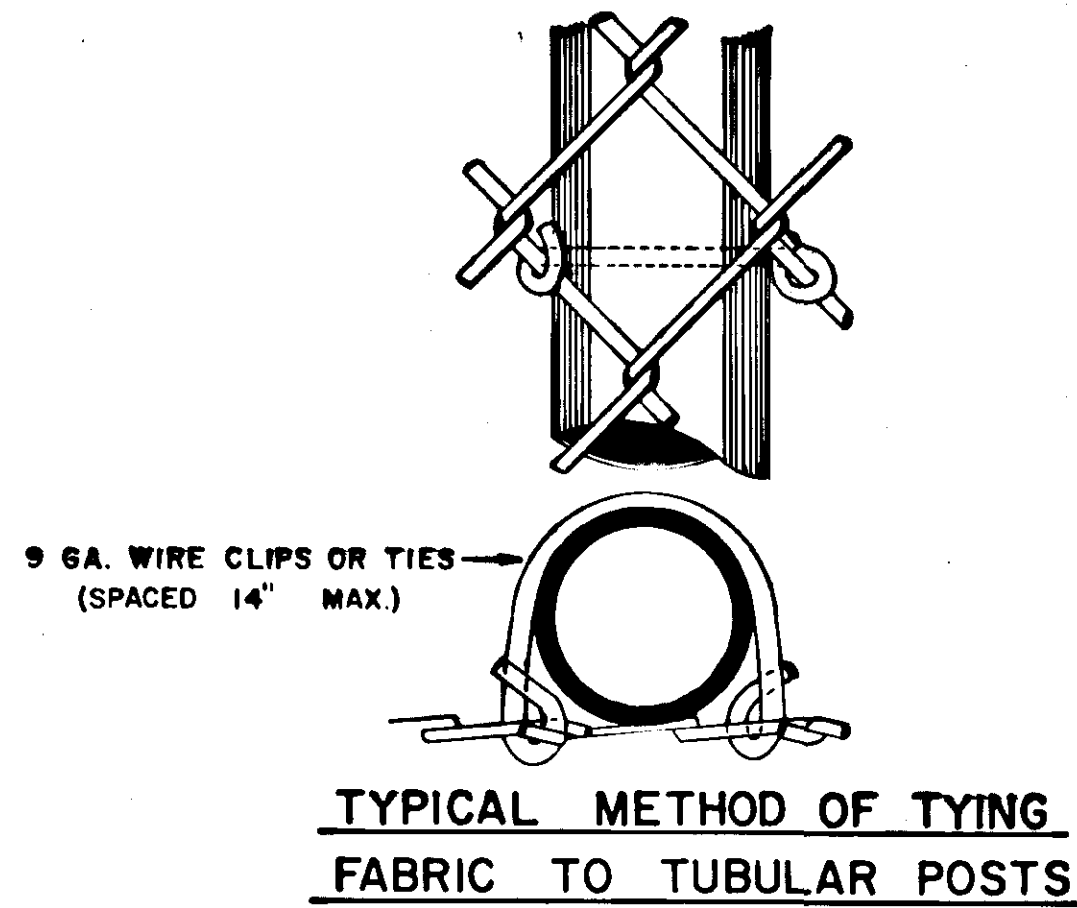
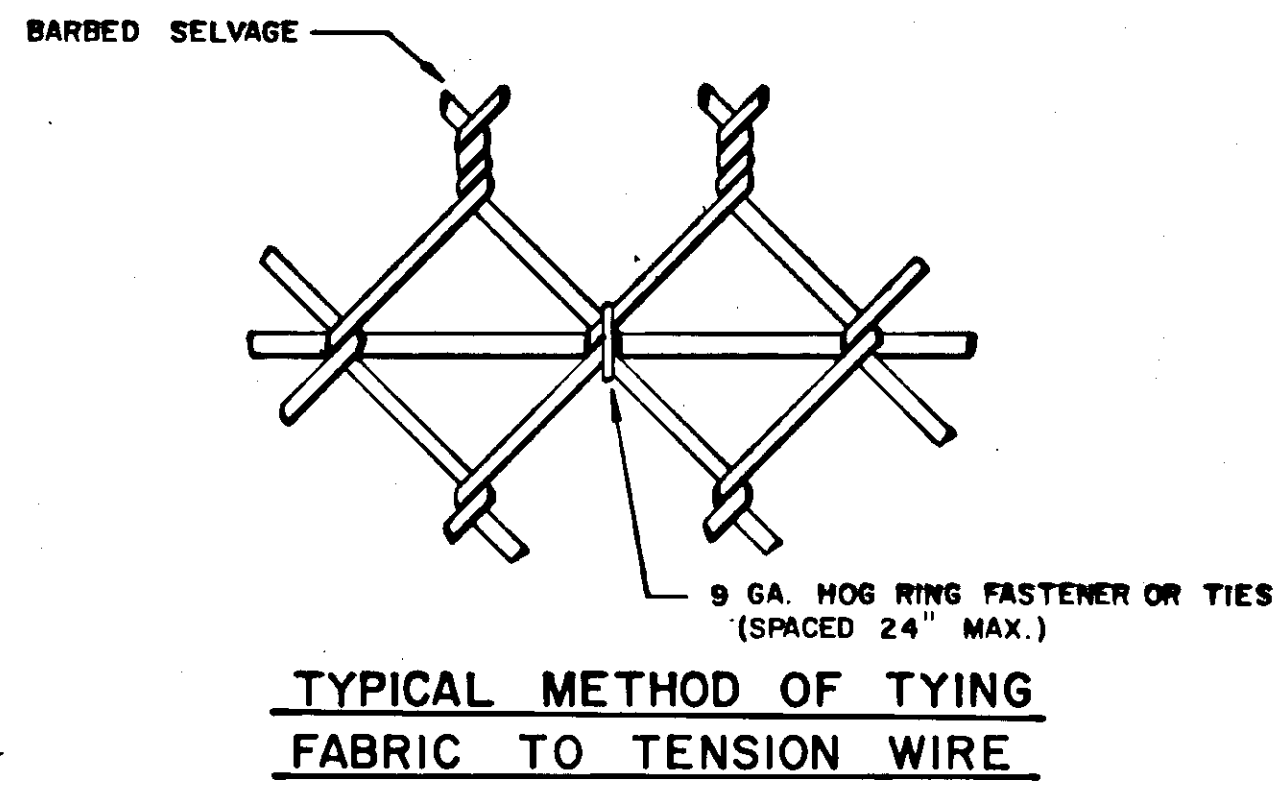
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

PROJECT NO. 70247
PETERSBURG AIRPORT
SECURITY FENCING
ESTIMATE OF QUANTITIES & DETAILS

DESIGNED BY: _____ SCALE: _____
DRAWN BY: W.D.A. DATE: _____
CHECKED BY: P.B. SHEET 4 OF 8



REVISIONS
REVISOR: _____ DATE: _____
DESCRIPTION OF CHANGE: _____



TYPICAL PULL POST

-GENERAL NOTES-

1. MAXIMUM LINE SPACING BETWEEN PULL POSTS = 120'-0".
2. PULL POST DETAILS SHOWN REQUIRED AT LINE SPACING LOCATIONS NOTED ABOVE SLOPE CHANGES GREATER THAN 15° OR A 4:1 SLOPE, AND CHANGES IN HORIZONTAL DIRECTION (CORNERS).
3. PIPE BRACES AND TRUSS RODS SHALL BE ATTACHED TO POSTS BEFORE FENCE FABRIC IS DRAPED AND DRAWN TAUGHT.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

PETERSBURG AIRPORT
PROJECT NO. 70247
SECURITY FENCING
CHAIN-LINK FENCE DETAILS

BY	DATE	CHANGE	SCALE	DESIGNED	DRAWN	SHEET 5 OF 8
REVISIONS			NONE	CHECKED	DATE	

CHART #1

SPECIFICATIONS FOR SINGLE GATES

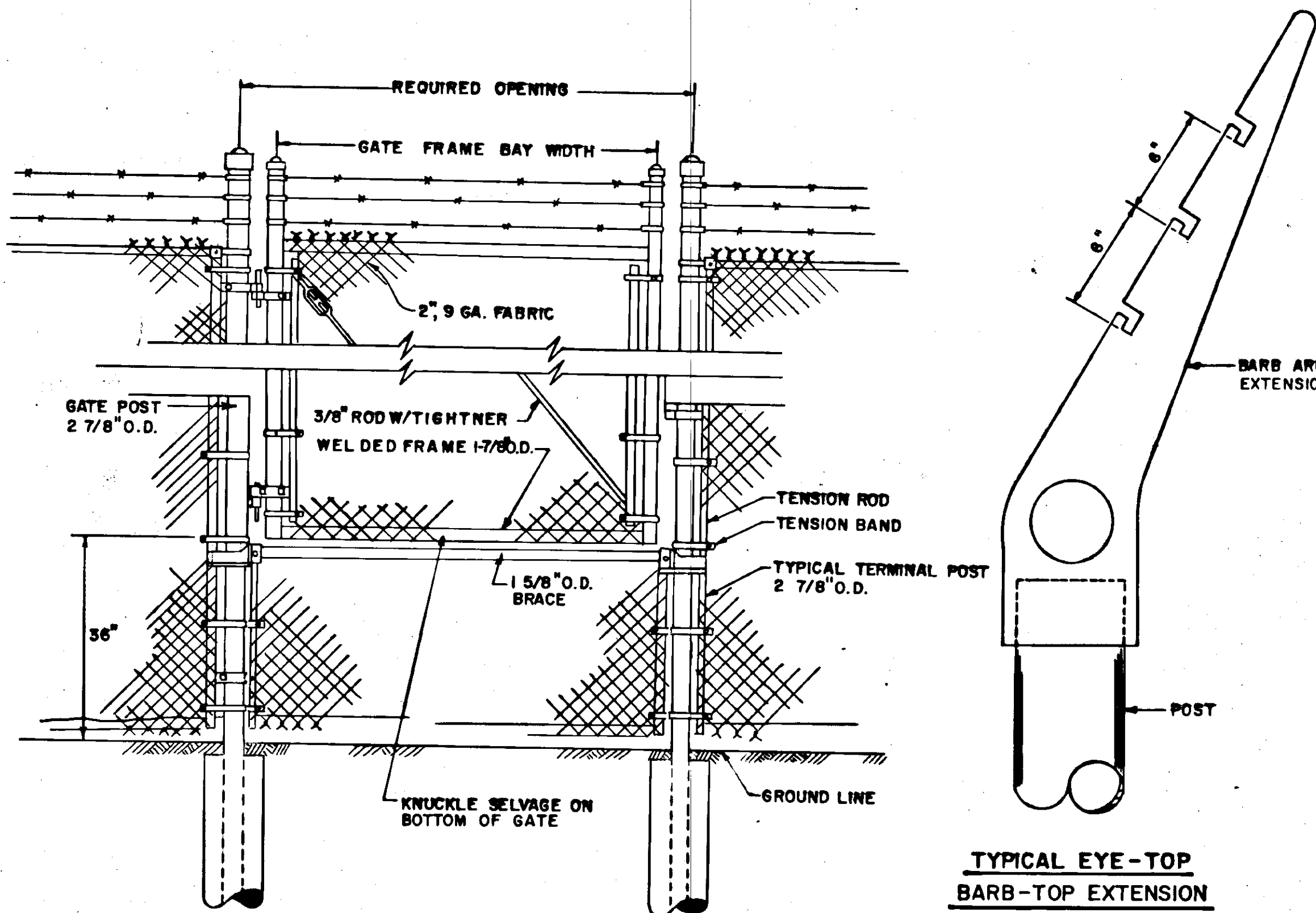
A-1	B-1	H-1	D-1	E-1	K
SINGLE GATE OPENING	ROLLER POST SPACING	OVERALL LENGTH OF TOP AND BOTTOM	FABRIC SECTION OF FRAME	OPEN SECTION OF FRAME	EXTENSION OF FRAME
6'-0"	4'-0"	11'-2"	6'-6"	4'-4"	4"
8'-0"	4'-0"	13'-2"	8'-6"	4'-4"	4"
10'-0"	5'-0"	16'-2"	10'-6"	5'-4"	4"
12'-0"	6'-0"	19'-2"	12'-6"	6'-4"	4"
14'-0"	7'-0"	22'-2"	14'-6"	7'-4"	4"
16'-0"	8'-0"	25'-2"	16'-6"	8'-4"	4"
18'-0"	9'-0"	28'-2"	18'-6"	9'-4"	4"
20'-0"	10'-0"	31'-2"	20'-6"	10'-4"	4"
24'-0"	12'-6"	36'-2"	24'-6"	12'-4"	4"

CHART #2

SPECIFICATIONS GATE HEIGHTS

FENCE HEIGHT	POST HEIGHT TO GRADE	FRAME HEIGHT	LENGTH OF UPRIGHTS	J
8'	9'-6"	7'-5 3/4"	7'-1"	

NOTE:
ALL GATES INSTALLED UNDER THIS CONTRACT SHALL BE 8 FT. IN HEIGHT



5'x4'
PEDESTRIAN GATE

NOTES:

1. TYPICAL TOP FOR ALL LINE & PULL POSTS
2. TENSION WIRE TO BE THREADED THROUGH EYE-TOP, AS SHOWN, ON ALL POSTS.

INDUSTRIAL MALLEABLE HINGE
(BALL AND SOCKET TYPE)

OFFSET ADAPTER

ROLLER ASSEMBLY
C-104

ACORN CAP FOR GATE POST (OR DOME CAP)

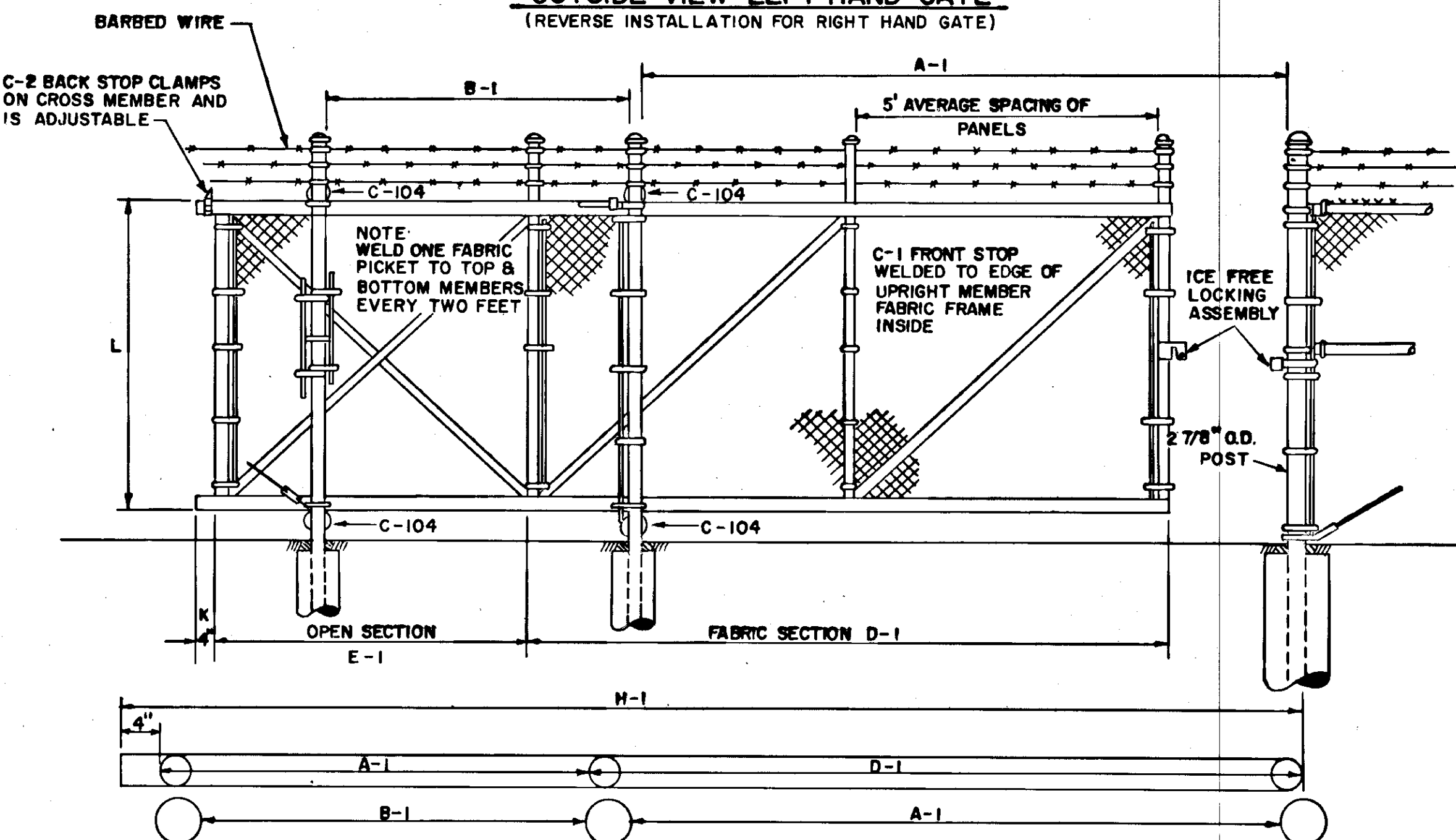
CLEVIS PIN FOR PADLOCK
P-8

FRONT STOP
C-1

BACK STOP
C-2

BARB WIRE BAND WITH RACHET
NO. 60

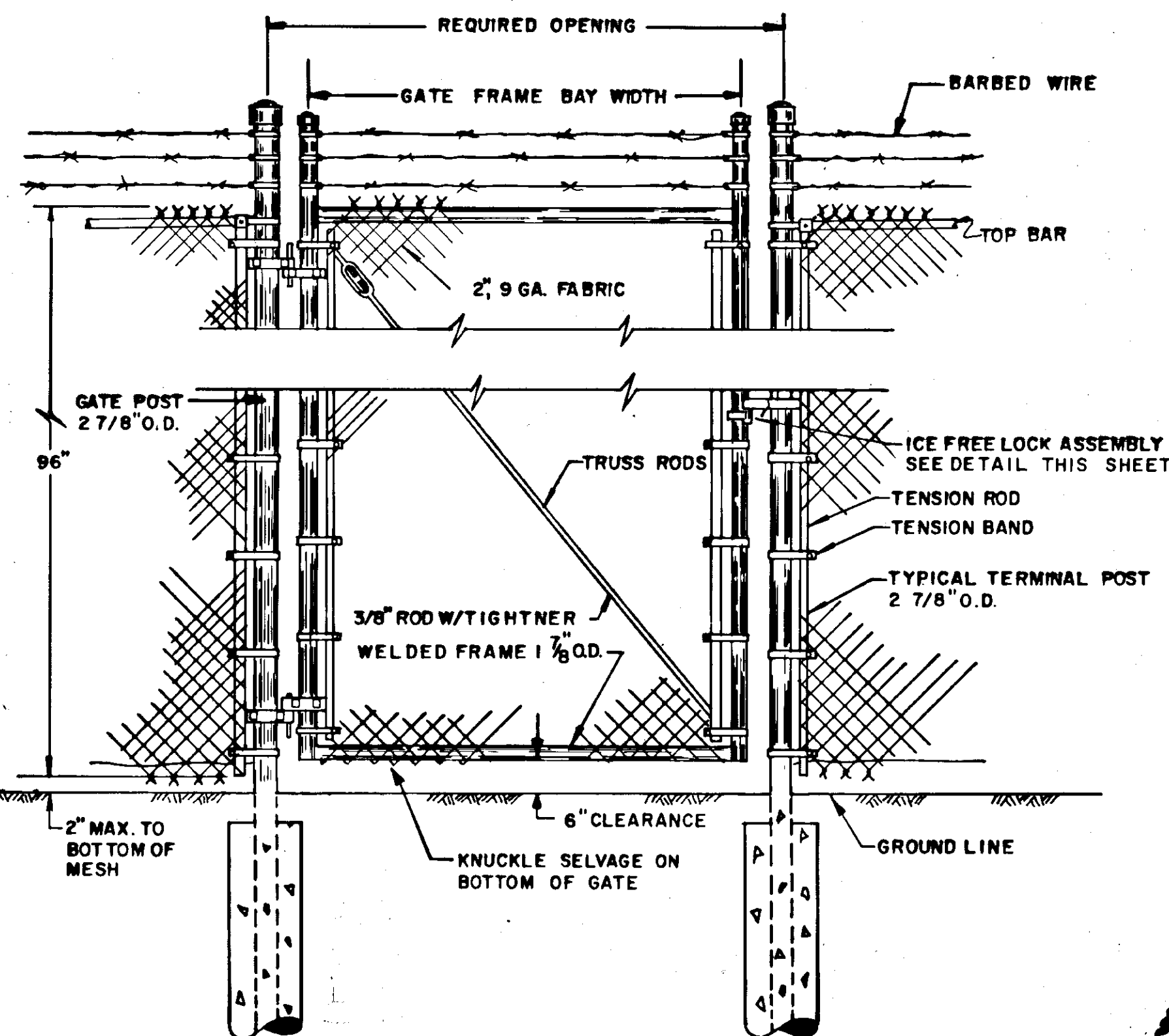
OUTSIDE VIEW-LEFT HAND GATE
(REVERSE INSTALLATION FOR RIGHT HAND GATE)



SPECIFICATIONS OF GATE FRAMES
TOP AND BOTTOM MEMBERS - 2 1/2" O.D. PIPE
UPRIGHT MEMBERS - 2" O.D. PIPE
HORIZONTAL AND DIAGONAL BRADS 1 5/8" O.D. PIPE
GATE FRAME MEMBERS SHALL BE SCHEDULE 40 PIPE

TYPICAL SLIDE GATE
NO SCALE

GATE HEIGHTS
NO SCALE



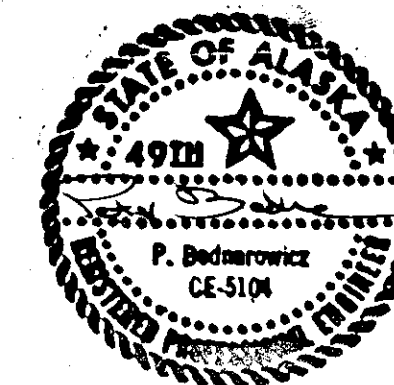
8'x4'
TYPICAL PEDESTRIAN GATE

NOTE:

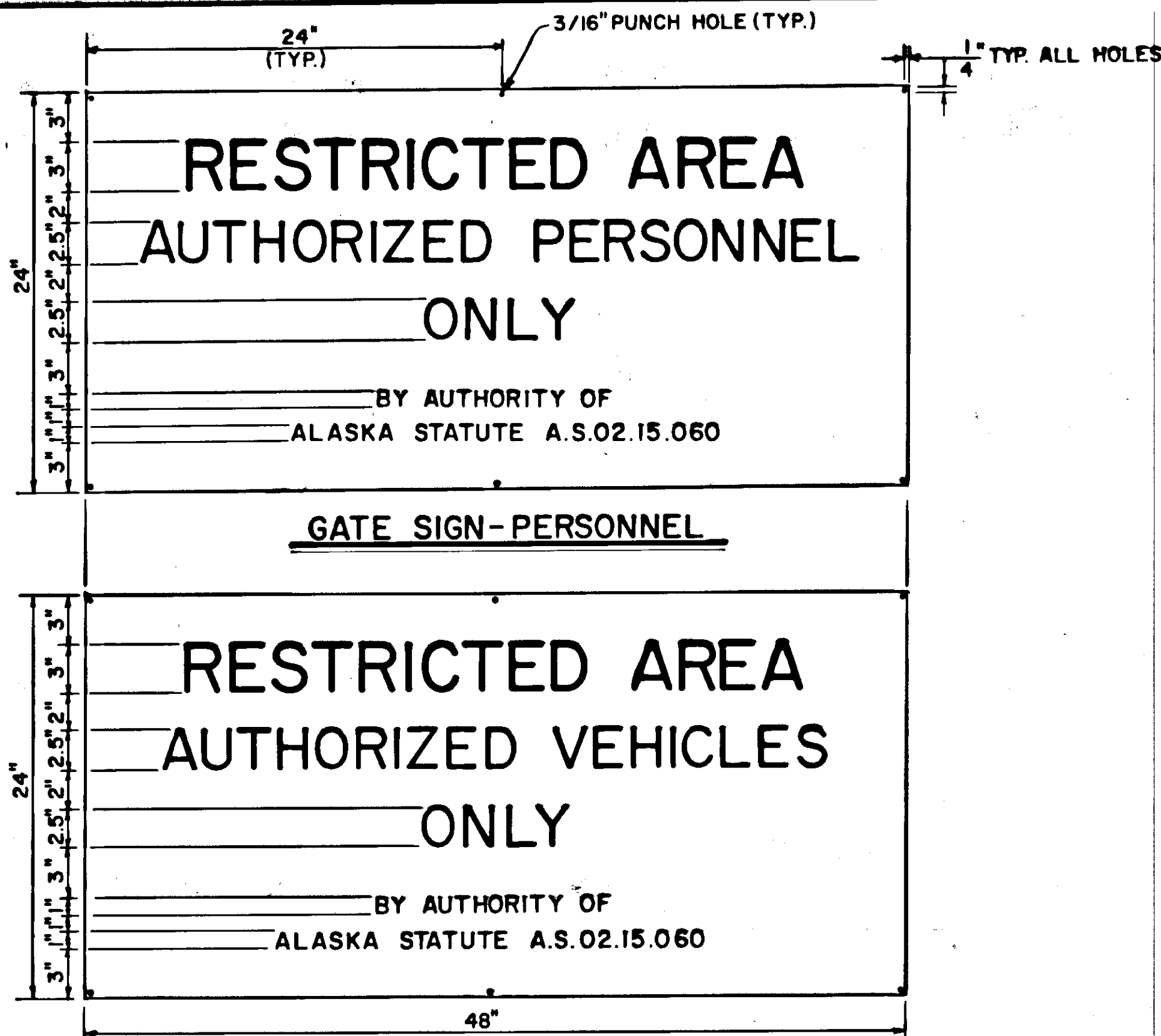
1. FOR GATE POST HEIGHT AND GATE FRAME BAY HEIGHT SEE TABLE 2 SHEET 6

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

PETERSBURG AIRPORT
PROJECT NO. 70247
GATE DETAILS



BY	DATE	CHANGE	SCALE	DESIGNED	DRAWN	SHEET 7 OF 8
			NO SCALE	CHECKED	DATE	
REVISIONS						



GATE SIGN-PERSONNEL

GATE SIGN-VEHICLES

NOTES:

1. SIGN PLATES SHALL HAVE RED REFLECTIVE SHEETING WITH WHITE LETTERING.
2. SIGN PLATES SHALL BE PLACED ON THE FENCE IMMEDIATELY ADJACENT TO GATES INSTALLED UNDER THIS CONTRACT, 4' ABOVE THE GROUND, EXCEPT SLIDE GATES WHICH SHALL HAVE SIGNS ATTACHED IN CENTER OF GATES.
3. "AUTHORIZED VEHICLES" SIGNS SHALL BE USED ON GATES FOR VEHICULAR ACCESS. "AUTHORIZED PERSONNEL" SIGNS SHALL BE USED ON GATES FOR PERSONNEL ACCESS. BOTH SIGNS SHALL BE USED WHERE VEHICLE / PERSONNEL COMBINATIONS OCCUR.
4. ALL SIGNS SHALL BE ATTACHED TO FENCE WITH 9 GAGE WIRE.

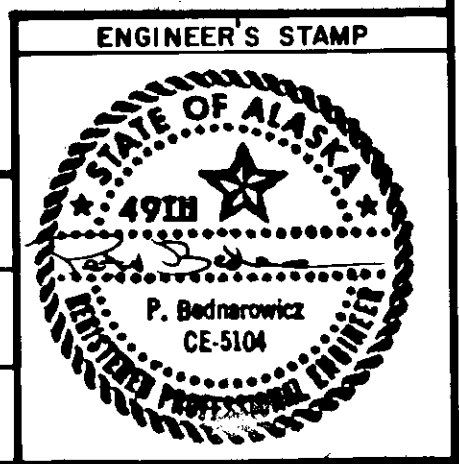


BOUNDARY SIGN PLATE DETAIL

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PROJECT NO. 70247
 PETERSBURG AIRPORT
 SECURITY FENCING
 SIGN PLATE DETAILS

DESIGNED BY:	SCALE: NONE
DRAWN BY: B.A.	DATE:
CHECKED BY: P.B.	SHEET 8 OF 8



BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		