

**NORTH
BUSINESS
DEVELOPMENT
AREA**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature *Darren K. Christopher*
Typed Name DARREN K. CHRISTOPHER

Date 08/18/2009 Reg. No. 45052

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 08-18-2009

REVIEWED BY: MLS

DRAWN BY: JKE

DESIGNED BY: DKC

AEP PROJECT NUMBER

214-1882-077

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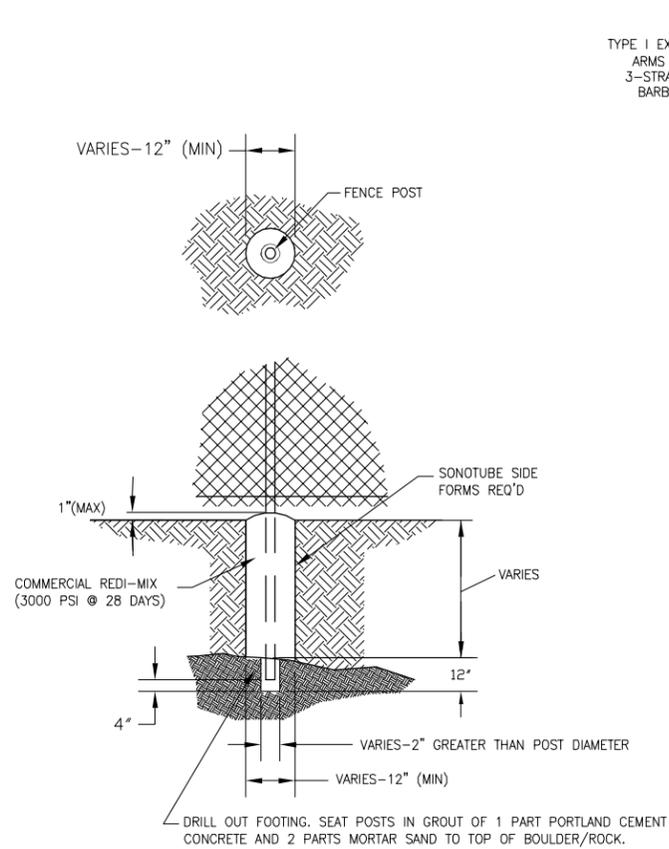
SHEET TITLE

**FENCING
NOTES
AND
DETAILS**

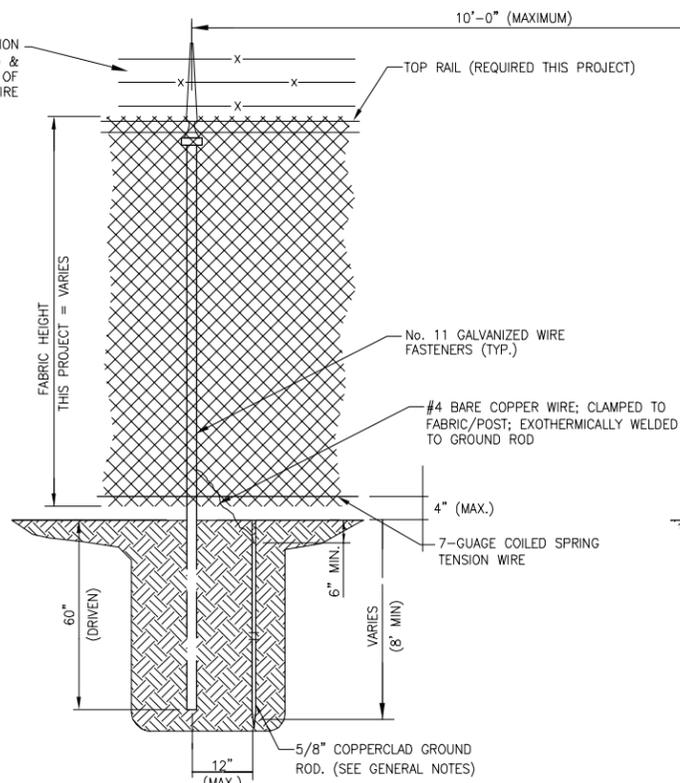
SHEET NUMBER

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**BID
DOCUMENTS**



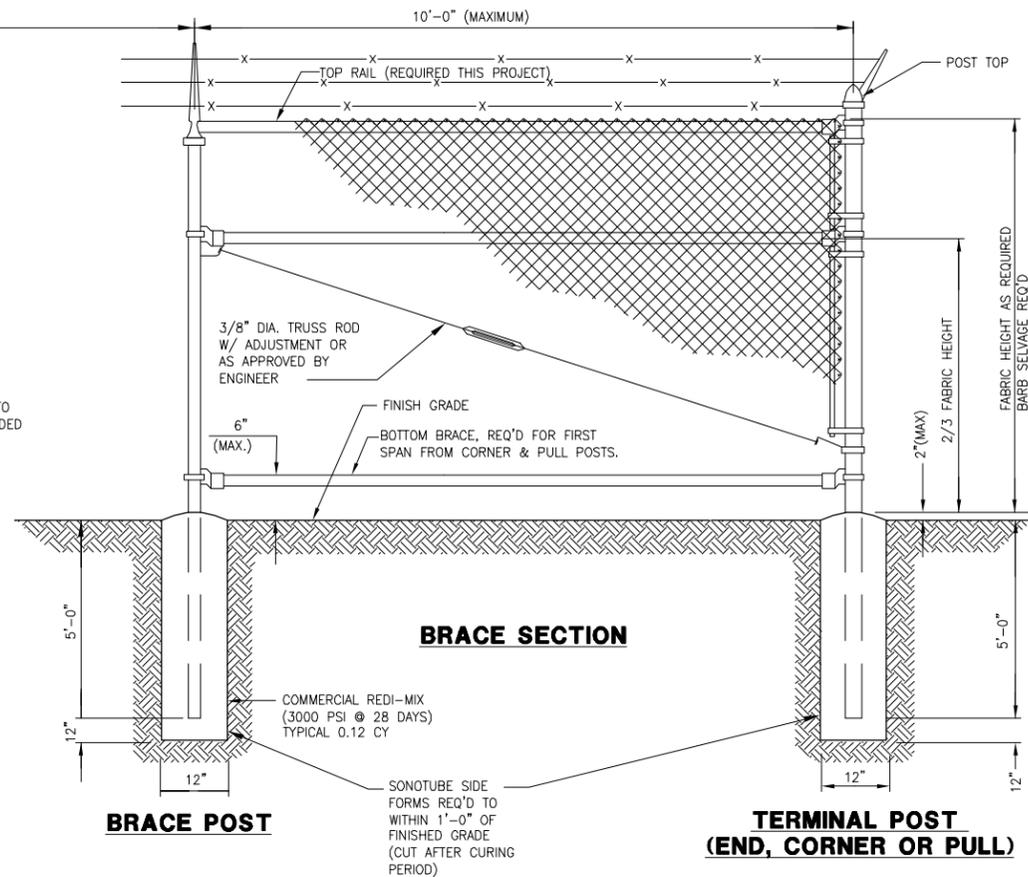
BOULDER/ROCK FOOTING DETAIL



TURF LINE POST (INTERMEDIATE)

POST NOTES:

1. SEE TABLE THIS SHEET FOR POST DIMENSIONS AND UNIT WEIGHT PER FOOT REQUIREMENT.



CHAIN LINK FENCE, CLASS E, FAA SPEC. F-162

NTS

DESCRIPTION	SECTION	STEEL FRAME	
		OUTSIDE DIMENSION (INCHES)	WEIGHT (LBS./FT.)
CORNER, BRACE, END AND PULL POSTS FABRIC HEIGHTS 6 ft AND LESS	○	2.375	3.65
	□	2.00	3.60
	○	2.875	5.79
	□	2.5	5.70
FABRIC HEIGHTS OVER 6 ft	○	2.875	5.79
	□	2.5	5.70
ALL HEIGHTS	ROLL FORM	3.5x3.5	5.10
	○	3 OR 4	5.79
GATE POSTS GATE LEAF WIDTH 6 ft AND LESS	○	2.5	5.70
	ROLL FORM	3.5x3.5	5.10
GATE WIDTH OVER 6 ft THRU 13 ft GATE LEAF WIDTH OVER 13 ft THRU 18 ft GATE LEAF WIDTH OVER 18 ft THRU 23 ft	○	4.0	9.11
	○	6.625	18.97
	○	8.625	24.70
	○	6.625	18.97
LINE POSTS FABRIC HEIGHTS 6 ft AND LESS FABRIC HEIGHTS OVER 6 ft	○	1.90	2.72
	○	2.375	3.65
	○	1.660	1.806
RAILS & BRACES	ROLL FORM	1.625x1.250	1.35

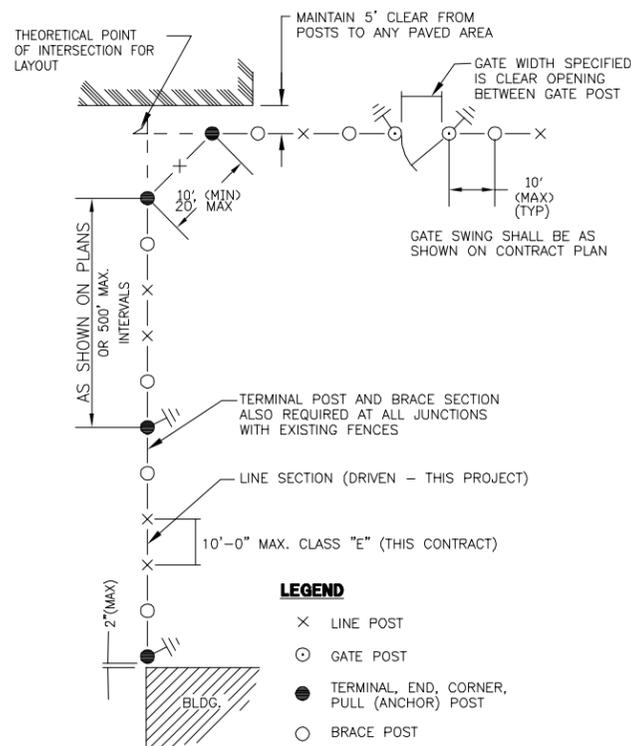
NOTES:

GALVANIZED STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F 1083.

POLYMER-COATED STEEL PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 569. POLYMER COATING SHALL BE IN ACCORDANCE WITH ASTM F 1234, TYPE B.

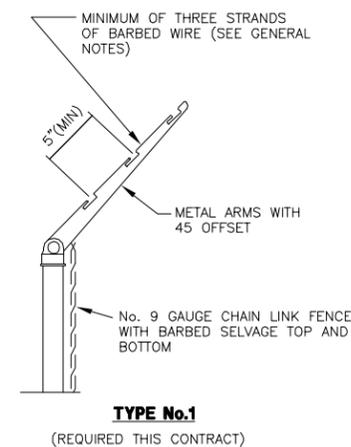
THE STEEL USED IN ALL STRUCTURAL SHAPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 572, GRADE 45, AND SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM F 1234, TYPE A.

ROLL-FORMED SECTIONS SHALL BE FABRICATED FROM MATERIAL MEETING THE REQUIREMENTS OF ASTM A 570, GRADE 45, AND SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A 123, OR COATED WITH ZINC-5% ALUMINUM MISC. METAL ALLOY IN ACCORDANCE WITH ASTM F 1234, TYPE C.



TYPICAL FENCE LAYOUT

ALL CLASSES



BARBED WIRE EXTENSION ARMS

TYPE No. 1 ARMS SHALL BE INSTALLED ON SIDE AWAY FROM AIRPORT PROPERTY OR AIRCRAFT OPERATIONS AREA.