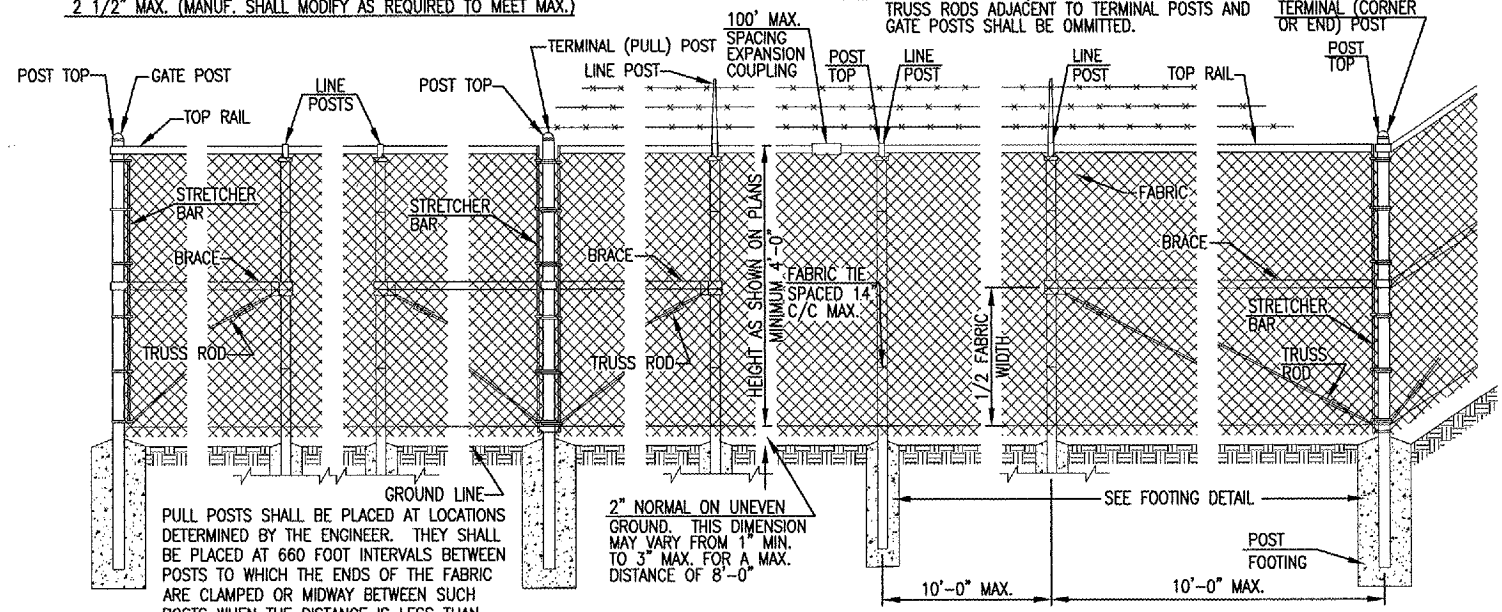


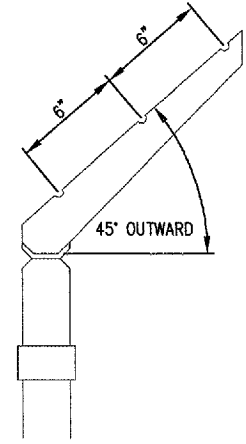
2 1/2" MAX. (MANUF. SHALL MODIFY AS REQUIRED TO MEET MAX.)

NOTE: FOR 4-FOOT FENCE, THE HORIZONTAL BRACES AND TRUSS RODS ADJACENT TO TERMINAL POSTS AND GATE POSTS SHALL BE OMITTED.

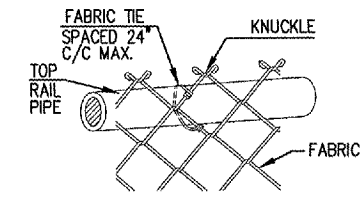


PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER. THEY SHALL BE PLACED AT 660 FOOT INTERVALS BETWEEN POSTS TO WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1320' AND GREATER THAN 660'.

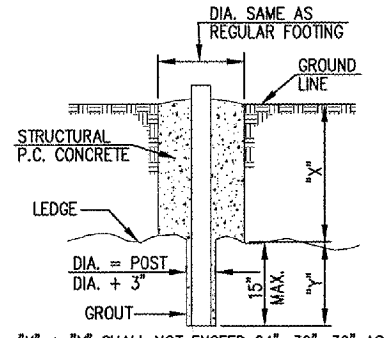
2" NORMAL ON UNEVEN GROUND. THIS DIMENSION MAY VARY FROM 1" MIN. TO 3" MAX. FOR A MAX. DISTANCE OF 8'-0"



DETAIL - BARBED WIRE ARM OF LINE POST (ONLY FOR OVER 48" FENCE)

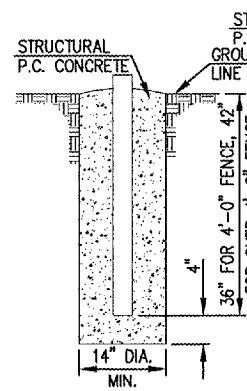


METHOD OF TYING FABRIC TO PIPE

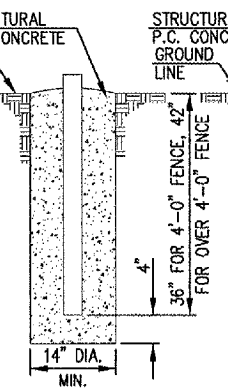


"X" + "Y" SHALL NOT EXCEED 24", 30", 36" AS APPLICABLE. WHEN "X" IS 0" TO 9", 15", OR 21" "Y" = 15", AND THE POST SHALL BE SHORTENED AS REQUIRED WHEN "X" EXCEEDS 9", 15", OR 21", "Y" SHALL BE DECREASED CORRESPONDINGLY.

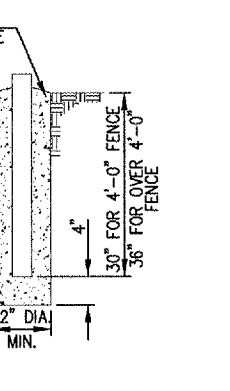
FOOTING FOR POST WHEN ROCK LEDGE IS ENCOUNTERED



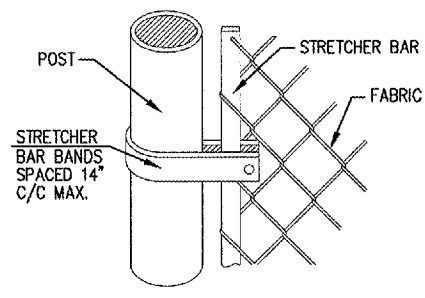
FOOTING FOR TERMINAL POST



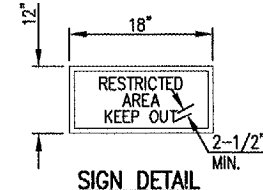
FOOTING FOR GATE POST



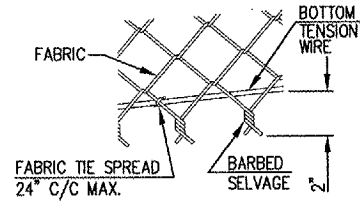
FOOTING FOR LINE POST



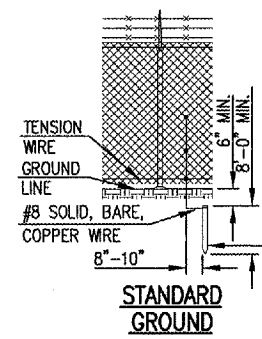
METHOD OF FASTENING STRETCHER BAR TO POST



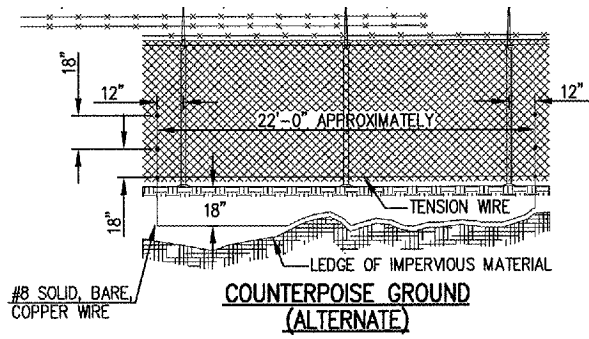
NOTE: 0.08 GA. ALUMINUM ALLOY SHEET LETTERING COLOR SHALL BE RED. EACH GATE SHALL REQUIRE ONE SIGN. EVERY 100' OF FENCE SHALL REQUIRE ONE SIGN.



METHOD OF TYING FABRIC TO TENSION WIRE



STANDARD GROUND

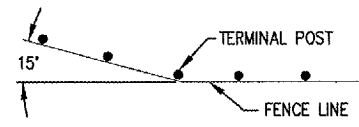


COUNTERPOISE GROUND (ALTERNATE)

PROTECTIVE ELECTRICAL GROUND

GENERAL NOTE:

CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 1000', EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM A GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE. FENCE UNDER A POWER LINE SHALL BE GROUNDED BY THREE GROUNDS, ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE, 25 TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING. THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF AN IMPERVIOUS EARTH STRUCTURES. THE GOUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. WHEN A TENSION WIRE IS REQUIRED, THE BOTTOM CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE TENSION WIRE.



WHERE THE FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE. WHERE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY ENGINEER.

POST & BRACE TABLE		
DECIPTION	DIA. - INCH	WT. LBS./FT.
LINE POST	2.375	3.65
TERMINAL POST	2.875	5.79
END POST	2.875	5.79
CORNER PPST	2.875	5.79
PULL POST	2.875	5.79
GATE FRAMES	1.900	2.72
GATE POST	4.0	9.11

DATE	REVISION

ST. LOUIS REGIONAL AIRPORT
 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3355

HEL Project No. 837-04RDD	SCALE	DATE
File Name R-551FEN.DWG	SCALE	DATE
LAYOUT	TLW	05/27/04
DRAWN	TLW	05/27/04
REVIEWED	WJM	06/23/04

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 Offices Nationwide

CONSTRUCT T-HANGER ACCESS ROAD
 FENCING STANDARDS