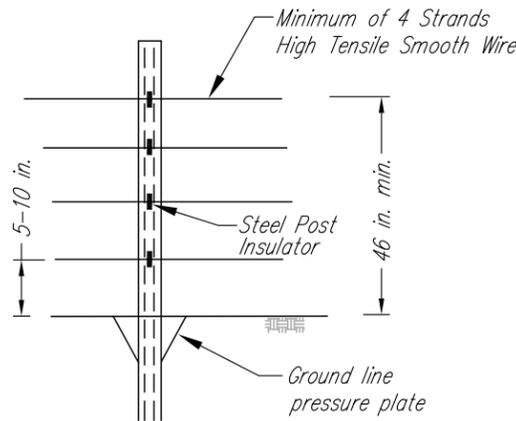


WIRE DETAIL
WOOD POST

OPTIONAL:
When pressure treated, tops of posts may be cut either flat or beveled in 2 planes, 4" per foot each way.

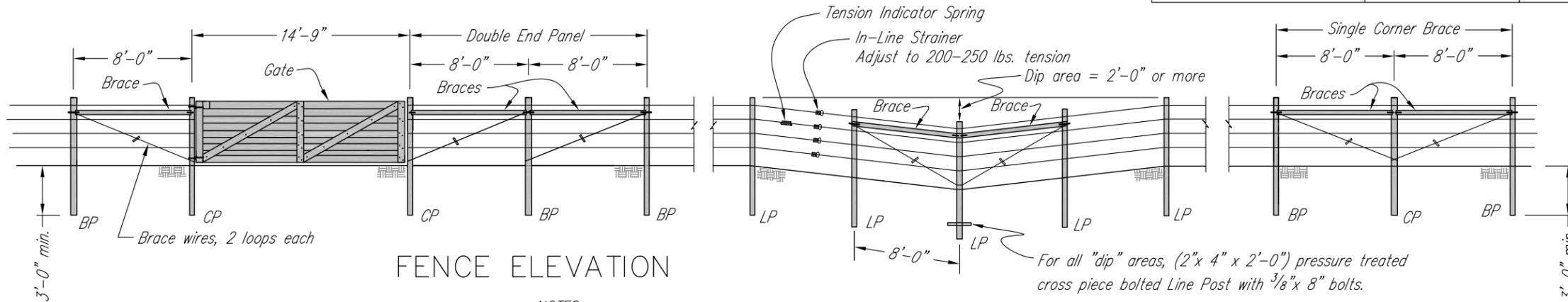
Steel line posts shall be t-type, with triangular shaped ground line pressure plate. They shall be driven into the ground to a depth that the ground line pressure plate is buried. Minimum weight per foot 1.33 lbs. exclusive of anchor plate.



STEEL LINE POST DETAIL

ESTIMATED QUANTITIES

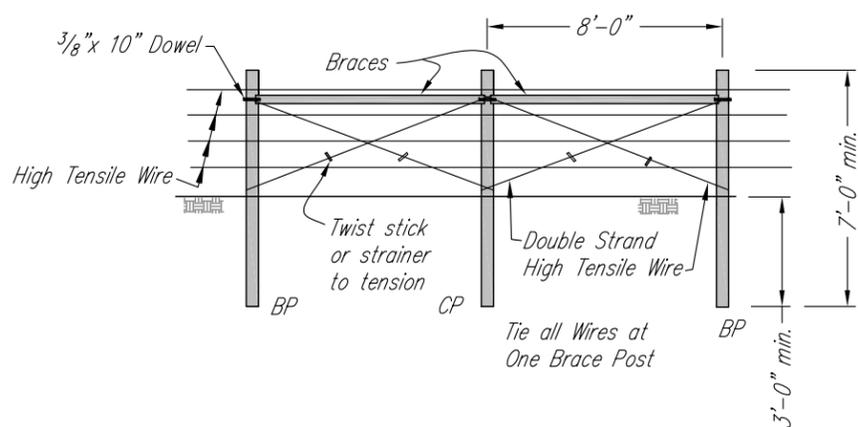
ITEM	SIZE	LENGTH	APPROXIMATE QUANTITY
Corner Post/Center Brace Post (CP)	6" min.	7'-0" min.	
Brace Post (BP)	5" min.	7'-0" min.	
Line Post (LP)	4" min.	7'-0" min.	
Brace (see note # 14)	3 1/2" min..		
Dowel Pins (steel)	3/8" dia.	5", 10"	
High Tensile Wire, Galvanized	12 1/2 gauge	As required	
Brace Wire, Galvanized	9 or 12 1/2 gauge	As required	
Staples	9 gauge		
Treated Cross-Piece for LP, (Dip Area)	2" X 4"	2'-0" min.	
Carriage Bolt for Cross-Piece, (Dip Area)	3/8" dia.	8"	



FENCE ELEVATION

NOTES:

- A single 12 foot long, 6 inch minimum diameter post may be substituted for end panel, corner and vertical change bracing, and pull post assembly. The 12 foot long posts shall extend a minimum of 7.5 feet into the ground and be backfilled with gravel. Energized fence must be grounded.
- Commercially available connectors for wire shall be used. Strainers are required on all wires.
- Install corner assembly at all points where fence alignment changes 15 degrees or more. Insulators must be used on all energized wires.
- Install pull post assembly in straight fence sections at intervals of no more than 1320 feet.
- Staple cross-brace wires to brace and corner posts at quarter points of the posts.
- High tensile wire will be new and smooth and will meet the following:
 - Minimum Tensile strength - 110,000 PSI
 - Galvanizing - Type III
 - Gauge - 12 1/2
- Minimum net retention of chromated copper arsenate (CCA) or alkaline copper quat (ACQ) for wood fence posts shall be 0.40 pounds per cubic foot.
- Staples to be No. 9 gauge, galvanized, 1 3/4" long (1 1/4" long for hard woods).
- At corner posts, staple each wire at quarter points of posts. At brace posts, double staple each wire. At line posts, secure each wire with standard clamps or staples.
- Fiberglass may be used for line posts. These will consist of marble, fiberglass, and polymer resins which have been heat treated, (minimum 1 inch diameter).
- A commercial metal (galvanized steel or aluminum) gate acceptable to the NRCS Representative complete with necessary hardware and fittings shall be used.
- Identify electric fences with signs every 100 feet.
- Join the horizontal brace members to the corner post of a single corner brace with steel dowel pins 3/8" x 5" long in pre-drilled holes 2-3" deep into
 - (cont.) the corner post and brace. Construct all other brace assemblies using 3/8" by 10" steel dowel pins driven through pre-drilled borings in the center post and brace posts to join the horizontal brace. Leave approximately 1" of dowel pin showing on each brace post to attach the brace wire.
 - Brace Options: 3 1/2" minimum diameter or square wood braces or tubular steel braces, 2" min. O.D. or steel flanged U braces, 1.8 lbs./ft., ends pinched and drilled and fastened to posts with 3/8" x 3" lag screws, may be used. All braces and screws shall be galvanized for CCA treated or decay resistant wood, or hot dip galvanized for ACQ treated wood.
 - Line post spacing:
 - Wood - no further than 100 ft. apart. - use stays when spacing is greater than 50 ft.
 - Fiber rod - maximum 50 ft. apart
 - Steel - 16.5 to 50 ft. maximum. - use a wooden line post at least every 165 ft.



DOUBLE PULL POST ASSEMBLY

All dimensions in inches or feet-inches.

NOT TO SCALE

MICHIGAN ENGINEERING STANDARD DRAWING	
FILE NAME	MI-215-B 9-09.dwg
STANDARD DWG. NO.	MI-215-B
DATE	9-09
SHEET	1 OF 1

HIGH TENSILE ELECTRIC FENCE DETAILS



Date	
Designed	
Drawn	
Checked	
Approved	
File Name	
Drawing Name	
Sheet	of

Township, T. -R., Sec. Co., Michigan