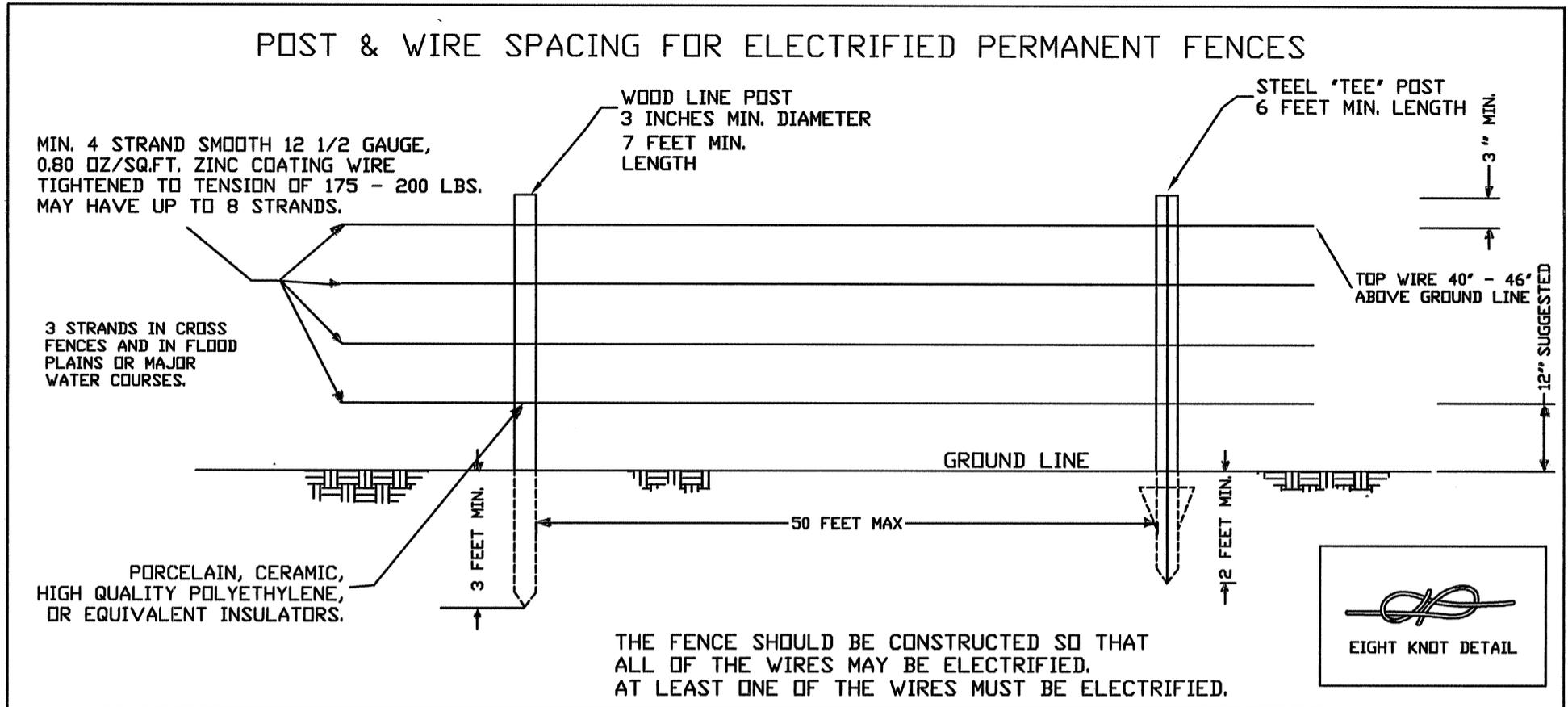


USDA - NATURAL RESOURCES CONSERVATION SERVICE, SOUTH CAROLINA
382 FENCE PRACTICE SPECIFICATIONS

POST & WIRE SPACING FOR ELECTRIFIED PERMANENT FENCES



SPECIFICATIONS FOR CORNER, PULL AND END ASSEMBLIES ARE LOCATED ON PAGE 5 OF THIS DOCUMENT

POSTS

WOOD POSTS

ALL WOOD POSTS EXCEPT RED CEDAR AND BLACK LOCUST SHALL BE TREATED BY A METHOD SUCH THAT THE TREATMENT WILL BE IN COMPLIANCE WITH AWPA STANDARD UCS 4A. POSTS SHALL BE SOUND, NEW, AND FREE FROM DECAY.

STEEL "TEE" POSTS

STEEL "TEE" WITH SUITABLE CORRUGATIONS, KNOBS, STUDS, OR GROOVES FOR FASTENING LINE WIRES CAN BE USED. WIRE CLIPS WILL BE AS PROVIDED BY THE MANUFACTURER OR GALVANIZED WIRE, MIN. 12 GAUGE WILL BE USED. EACH POST WILL HAVE AN ANCHOR PLATE ATTACHED. THE POSTS WILL BE EITHER GALVANIZED OR PAINTED.
MIN. WT. : 1.25 LBS PER FOOT
MIN. LENGTH: 6 FEET
MIN. DEPTH INTO GROUND: 2 FEET

FIBERGLASS OR POLYCARBONATE POSTS

FIBERGLASS OR POLYCARBONATE POSTS CAN BE USED. THEY SHALL BE AT LEAST 7/8" IN DIAMETER AND 6 FEET IN LENGTH WITH ULTRAVIOLET PROTECTIVE COATING TO PROVIDE A 20 YEAR GUARANTEED LIFE AGAINST SPLINTERING OR DETERIORATING FROM SUNLIGHT OR WEATHER. THEY SHALL BE SET TO A MIN. DEPTH OF 2 FEET.

FASTENERS

STAPLES: L=1.5 IN. MIN. FOR SOFTWOODS
L=1.5 IN. MIN. FOR HARDWOODS

SPACE SHALL BE LEFT BETWEEN POSTS AND STAPLES TO PERMIT FREE MOVEMENT OF THE WIRE

WIRE

PERIMETER FENCE: 12.5 ga. MIN. HIGH TENSILE
135,000 psi. MIN. TENSILE STRENGTH

INTERIOR FENCE: 14 ga. MIN. HIGH TENSILE

ALL WIRE SHALL HAVE SUFFICIENT COATING TO PROTECT THE WIRE FOR THE MIN. LIFE EXPECTANCY OF 20 YEARS.

ENERGIZERS

ELECTRONIC ENERGIZERS OR POWER FENCE CONTROLLERS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

EARTH RETURN (GROUND RODS)

THE ENERGIZER GROUND WIRE MUST BE CONNECTED TO A GALVANIZED ROD 1/2 INCH OR LARGER IN DIAMETER, DRIVEN INTO THE GROUND A MINIMUM OF 6 FT. FOR EACH JOULE OF ENERGY OUTPUT. MULTIPLE EARTH RETURN RODS CONNECTED IN SERIES MAY BE USED, BUT THEY MUST BE SPACED AT LEAST 10 FT. FROM EACH OTHER. A MINIMUM OF 3 EARTH RETURN RODS ARE REQUIRED FOR ALL PERMANENT POWER FENCES. FOR BEST RESULTS EARTH RETURN RODS SHOULD BE INSTALLED IN AN AREA WHERE THE SOIL REMAINS MOIST. DO NOT USE COPPER GROUND RODS DUE TO CORROSION AT THE CONNECTION AND THE SUBSEQUENT LOSS OF ELECTRICAL CONTINUITY. TO PREVENT STRAY VOLTAGE, EARTH RETURN RODS MUST BE AT LEAST 65' FROM ELECTRIC UTILITY GROUND RODS, BURIED WATER PIPES, AND BURIED TELEPHONE LINES.

INTERIOR FENCES

MUST USE THE SAME WIRE AND POSTS AS THE PERIMETER FENCE. THEY MAY HAVE A SINGLE STRAND OF WIRE OR AS MANY AS 8 STRANDS OF WIRE, DEPENDENT UPON THE KIND AND CLASS OF LIVESTOCK.

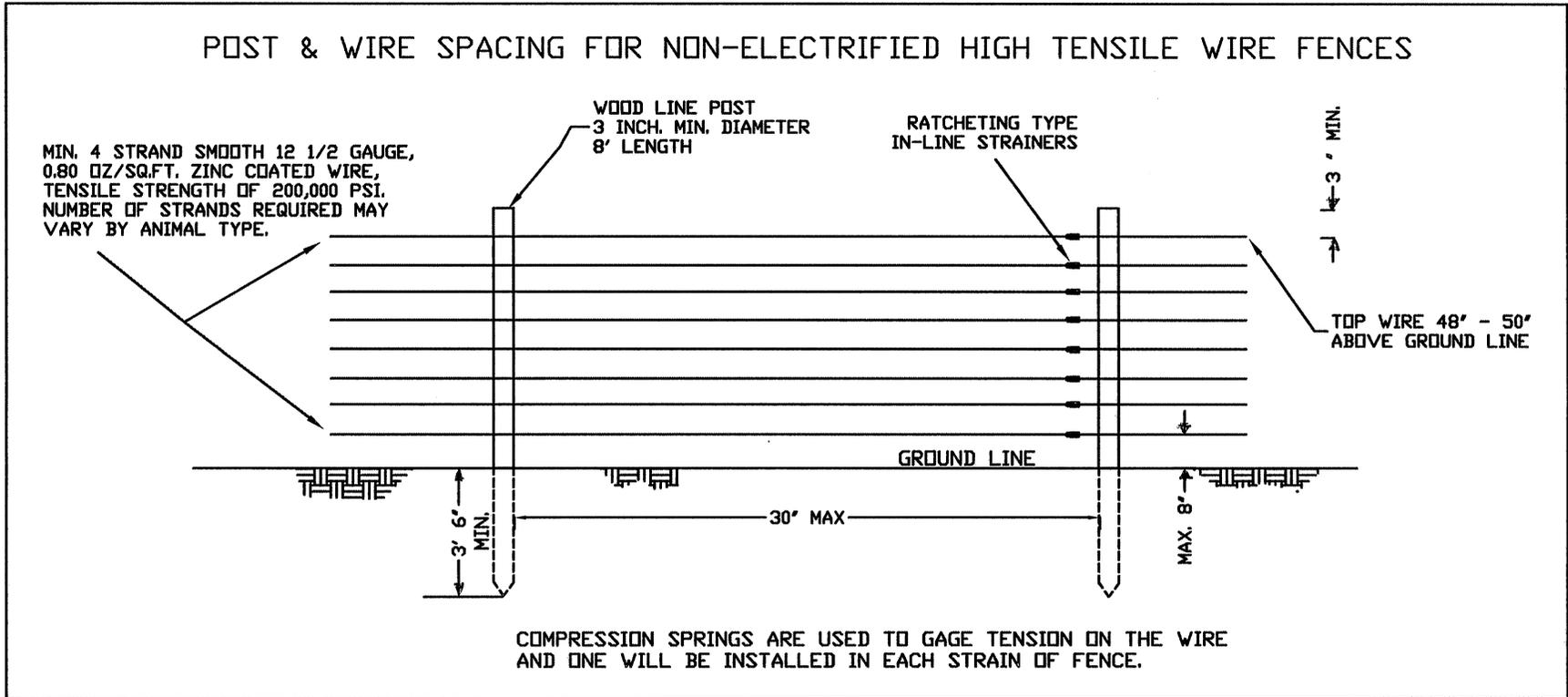
LIGHTNING PROTECTION

LIGHTNING DIVERTERS/ARRESTORS SHALL BE INSTALLED MIN. 1 PER ENERGIZER 65 FEET MIN. DISTANCE TO EARTH RETURN RODS.

PRACTICE CHECK OUT

PERIMETER_____	INTERIOR_____	
#WIRES	PLANNED	INSTALLED
LINEAR FEET	-----	-----
FARM NAME	-----	
TRACT NUMBER	-----	
FIELD NUMBER	-----	
PLANNING ASSISTANCE BY: _____		
PRACTICE MEETS 382 STANDARD AND SPECIFICATIONS		
YES_____	NO_____	DATE: _____

382 FENCE PRACTICE SPECIFICATIONS



SPECIFICATIONS FOR CORNER, PULL AND END ASSEMBLIES ARE LOCATED ON PAGE 5 OF THIS DOCUMENT

MATERIALS

MATERIALS COST-SHARED UNDER FARM BILL PROGRAMS SHALL BE NEW AND HAVE A MINIMUM LIFE EXPECTANCY OF 20 YEARS.

WIRE

BARBED WIRE SHALL BE TWO TWISTED STRANDS OF 12 1/2 GAUGE WIRE OR HIGH TENSILE 15 1/2 GAUGE.

BARBS SHALL BE SPACED NO MORE THAN 5 INCHES APART AND SHALL BE OF 14 GAUGE OR HEAVIER WIRE WITH AT LEAST TWO POINTS.

STAPLES

STAPLE SHALL BE 9 GAUGE STEEL WIRE. MIN. LENGTH 1 1/2" FOR SOFTWOODS. MIN. LENGTH 1" FOR CLOSE GRAINED HARDWOODS.

DRIVE STAPLES DIAGONALLY TO THE WOOD GRAIN.

SPACE SHALL BE LEFT BETWEEN POST AND STAPLES TO PERMIT FREE MOVEMENT OF THE WIRE.

POSTS

WOOD POSTS

SHALL BE OF RED CEDAR, BLACK LOCUST OR PRESSURE TREATED PINE, OR OTHER WOOD OF EQUAL LIFE OR STRENGTH.

ALL WOOD POSTS EXCEPT RED CEDAR AND BLACK LOCUST SHALL BE TREATED BY A METHOD SUCH THAT THE TREATMENT WILL BE IN COMPLIANCE WITH AWPA STANDARD UCS 4A.

POSTS SHALL BE SOUND, NEW, AND FREE FROM DECAY WITH ALL LIMBS TRIMMED FLUSH WITH BODY.

STEEL POSTS

"TEE" TYPE WITH SUITABLE CORRUGATIONS, KNOBS, STUDS, OR GROOVES FOR FASTENING LINE WIRES. WIRE CLIPS WILL BE AS PROVIDED BY THE MANUFACTURER OR GALVANIZED WIRE, MIN. 12 GAUGE.

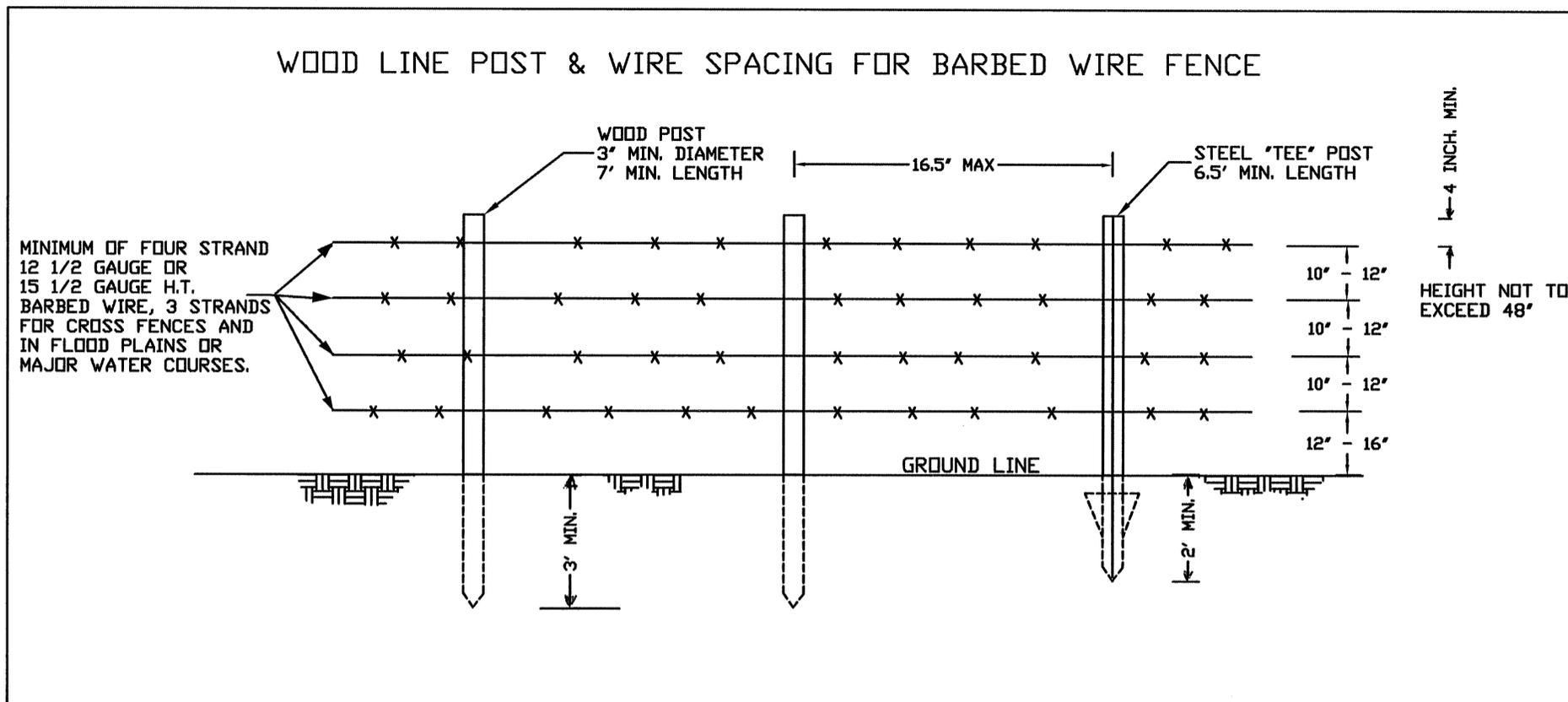
EACH POST WILL HAVE AN ANCHOR PLATE ATTACHED. THE POSTS WILL BE EITHER GALVANIZED OR PAINTED.

MIN. WT.: 1.25 LBS PER FOOT
MIN. LENGTH: 6.5 FEET
MIN. DEPTH INTO GROUND: 2.0 FEET

PRACTICE CHECK OUT

	PLANNED	INSTALLED
#WIRES	-----	-----
LINEAR FEET	-----	-----
FARM NAME	-----	
TRACT NUMBER	-----	
FIELD NUMBER	-----	
PLANNING ASSISTANCE BY: _____		
PRACTICE MEETS 382 STANDARD AND SPECIFICATIONS		
YES _____	NO _____	DATE: _____

USDA - NATURAL RESOURCES CONSERVATION SERVICE, SOUTH CAROLINA
382 FENCE PRACTICE SPECIFICATIONS



SPECIFICATIONS FOR CORNER, PULL AND END ASSEMBLIES LOCATED ON PAGE 5 OF THIS DOCUMENT

MATERIALS

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MIN. WT.: 1.25 LBS PER FOOT
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WIRE

BARBED WIRE SHALL BE TWO TWISTED STRANDS OF 12 1/2 GAUGE WIRE OR HIGH TENSILE 15 1/2 GAUGE.

BARBS SHALL BE SPACED NO MORE THAN 5 INCHES APART AND SHALL BE OF 14 GAUGE OR HEAVIER WIRE WITH AT LEAST TWO POINTS.

STAPLES

STAPLE SHALL BE 9 GAUGE STEEL WIRE. MIN. LENGTH 1 1/2 ' FOR SOFTWOODS. MIN. LENGTH 1' FOR CLOSE GRAINED HARDWOODS.

DRIVE STAPLES DIAGONALLY TO THE WOOD GRAIN.

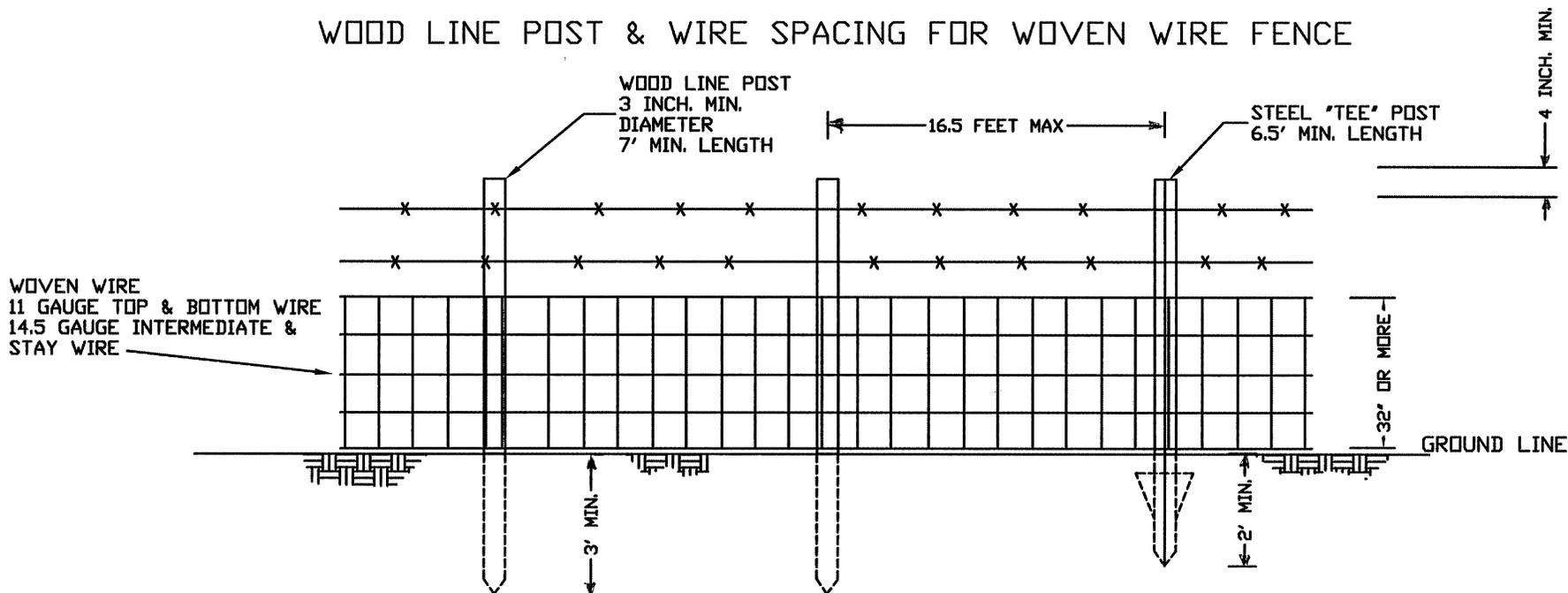
SPACE SHALL BE LEFT BETWEEN POST AND STAPLES TO PERMIT FREE MOVEMENT OF THE WIRE.

PRACTICE CHECK OUT

	PLANNED	INSTALLED
#WIRES	-----	-----
LINEAR FEET	-----	-----
FARM NAME	-----	-----
TRACT NUMBER	-----	-----
FIELD NUMBER	-----	-----
PLANNING ASSISTANCE BY: _____		
PRACTICE MEETS 382 STANDARD AND SPECIFICATIONS		
YES _____	NO _____	DATE: _____

USDA - NATURAL RESOURCES CONSERVATION SERVICE, SOUTH CAROLINA
382 FENCE PRACTICE SPECIFICATIONS

WOOD LINE POST & WIRE SPACING FOR WOVEN WIRE FENCE



FENCES CONSTRUCTED WITH WOVEN WIRE GREATER THAN 32' IN HEIGHT MUST HAVE AT LEAST ONE BARBED WIRE OR 12 1/2 GAUGE HIGH TENSILE WIRE, NOT MORE THEN 4' ABOVE THE WOVEN WIRE, & MUST BE AT LEAST 4' BELOW THE TOP OF POST.

SPECIFICATIONS FOR CORNER, PULL AND END ASSEMBLIES ARE LOCATED ON PAGE 5 OF THIS DOCUMENT

MATERIALS

ALL MATERIALS COST-SHARED UNDER FARM BILL PROGRAMS SHALL BE NEW AND HAVE A MINIMUM LIFE EXPECTANCY OF 20 YEARS.

POSTS

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STEEL POSTS

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EACH POST WILL HAVE AN ANCHOR PLATE ATTACHED. THE POSTS WILL BE EITHER GALVANIZED OR PAINTED.

MIN. WT.: 1.25 LBS PER FOOT
MIN. LENGTH: 6.5 FEET
MIN. DEPTH INTO GROUND: 2.0 FEET

WIRE

THE TOP & BOTTOM OF STANDARD STRENGTH WOVEN WIRE SHALL BE 11 GAUGE, OR HEAVIER, AND THE LINE AND STAY WIRES SHALL BE 14 1/2 GAUGE OR HEAVIER.

HIGH TENSILE WOVEN WIRE SHALL BE 12 1/2 GAUGE.

BARBED WIRE SHALL BE TWO TWISTED STRANDS OF 12 1/2 GAUGE WIRE OR HIGH TENSILE 15 1/2 GAUGE. BARBS SHALL BE SPACED NO MORE THAN 5 INCHES APART AND SHALL BE OF 14 GAUGE OR HEAVIER WIRE WITH AT LEAST TWO POINTS.

STAPLES

STAPLE SHALL BE 9 GAUGE STEEL WIRE. MIN. LENGTH 1 1/2 ' FOR SOFTWOODS. MIN. LENGTH 1' FOR CLOSE GRAINED HARDWOODS.

DRIVE STAPLES DIAGONALLY TO THE WOOD GRAIN.

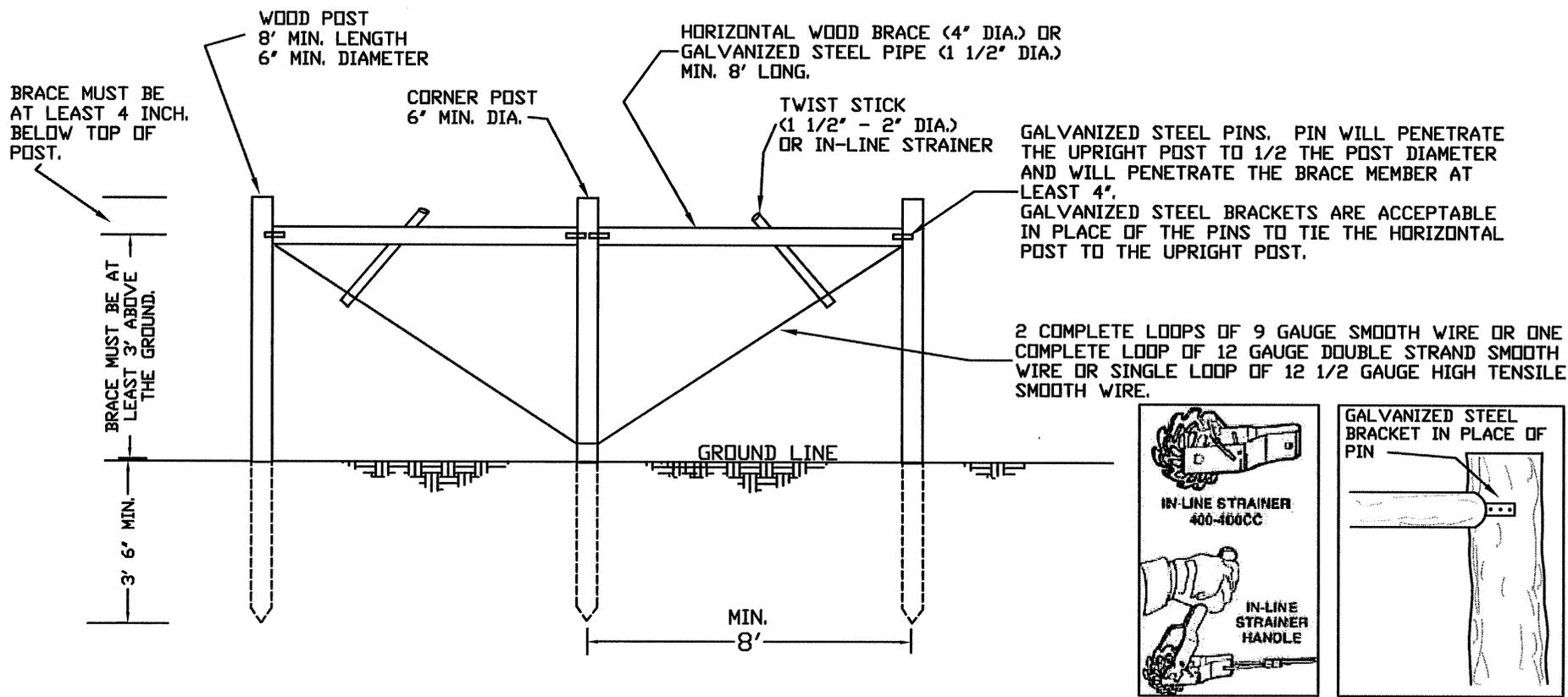
SPACE SHALL BE LEFT BETWEEN POST AND STAPLES TO PERMIT FREE MOVEMENT OF THE WIRE.

PRACTICE CHECK OUT

	PLANNED	INSTALLED
#WIRES	-----	-----
LINEAR FEET	-----	-----
FARM NAME	-----	-----
TRACT NUMBER	-----	-----
FIELD NUMBER	-----	-----
PLANNING ASSISTANCE BY: _____		
PRACTICE MEETS 382 STANDARD AND SPECIFICATIONS		
YES _____	NO _____	DATE: _____

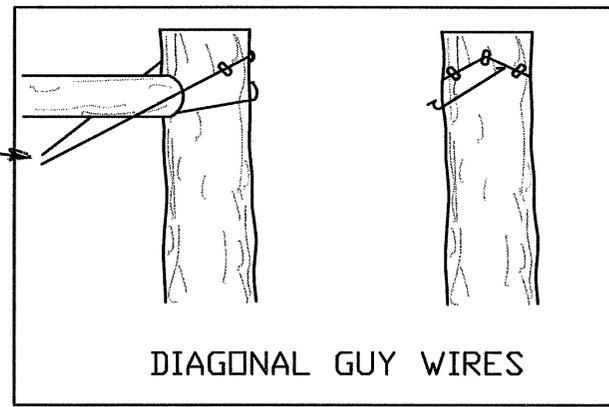
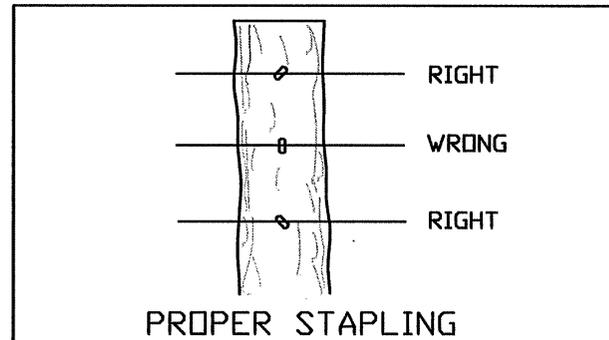
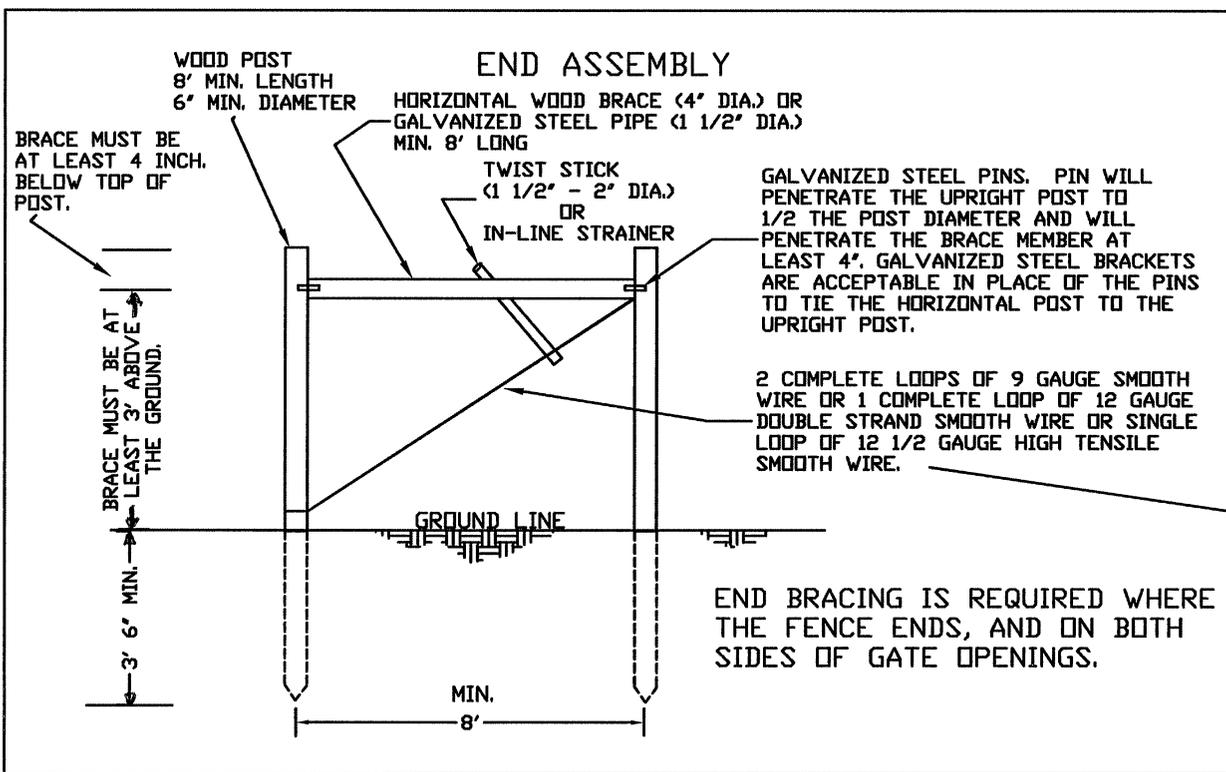
USDA - NATURAL RESOURCES CONSERVATION SERVICE, SOUTH CAROLINA
382 FENCE PRACTICE SPECIFICATIONS

CORNER BRACE OR PULL ASSEMBLY



PULL ASSEMBLIES ARE REQUIRED IN STRAIGHT SECTIONS OF THE FENCE SO THAT THE MAXIMUM DISTANCE BETWEEN BRACE POSTS DOES NOT EXCEED 660 FEET.

CORNERS ARE REQUIRED AT ALL POINTS WHERE THE FENCE ALIGNMENT CHANGES 30 DEGREES OR MORE.



POSTS

ALL WOOD POSTS EXCEPT RED CEDAR AND BLACK LOCUST SHALL BE TREATED BY A METHOD SUCH THAT THE TREATMENT WILL BE IN COMPLIANCE WITH AWPA STANDARD UCS 4A.

POSTS SHALL BE SOUND, NEW, AND FREE FROM DECAY.

PRACTICE CHECK OUT

	PLANNED	INSTALLED
CORNER ASSEMBLY	-----	-----
END ASSEMBLY	-----	-----
PULL ASSEMBLY	-----	-----
GATES	-----	-----
FARM NAME	-----	-----
TRACT NUMBER	-----	-----
FIELD NUMBER	-----	-----
PLANNING ASSISTANCE BY:	-----	-----
PRACTICE MEETS 382 STANDARD AND SPECIFICATIONS		
YES	-----	NO
DATE:	-----	-----