







28mm X 6mm REDWOOD SLATS

DETAIL OF REDWOOD SLAT INSTALLATION

(WHERE APPLICABLE)

HEIGHT	(A) (B)		©			0		E		F			<u> </u>		
OF FENCE FABRIC	END, PULL CORNER OR LINE PO				TOP RAIL		TENSION WIRE		TENSION BAR		TENSION BAR BAND			BRACE BAND	
	BRACE POST	SIZE	TIE SPACING	SIZE	TIE SPACING	MIN. LENGTH	SIZE	TIE SPACING	SIZE	LENGTH	SIZE	BOLT SIZE	SPACING	SIZE	BOL T SIZE
1.8m AND LESS	62.5mm 0.D.	50mm 0.D.	1 TIE EVERY 350mm	40.63mm	1 TIE EVERY	3 <b>.</b> Øm	7 GAUGE	1 TIE EVERY	MIN. OF 4.69mm	MIN.OF 50mm LESS THAN	MIN. OF 18.75mm	8mm	1 BAND AT TOP AND BOTTOM 375mm MAX.	MIN. OF 18.75mm	8mm
OVER 1.8m TO 3.6m INCL.	75mm 0.D.	62.5mm 0.D.	OF FABRIC HEIGHT	0.D.	600mm		COIL SPRING WIRE	300mm	× 18.75mm	FABRIC HEIGHT	x 31.25mm		2.63mm	31.25mm	

HEIGHT	Œ	1	J		(K)	L		<b>(</b>		N		0	(T)		
OF FENCE FABRIC	TIE	HOG	BRACE RAIL		TRUSS	FABRIC		GATE FRAME		HORIZONTAL SUPPORT		HINGE TPE	GATE POST		
FABRIC	WIRE	RING	SIZE	TIE SPACING	ROD	SIZE	MESH	SELVAGE	SIZE	T IE SPAC ING	SIZE	TIE SPACING	180° SWING	GATE WIDTH 3.6m & LESS	GATE WIDTH OVE 3.6m - 7.2m INC
1.8m AND LESS	MIN. OF 12 GA. STEEL	SAME GAUGE	40 <b>.</b> 63mm	1 TIE EVERY	MIN.OF 7.81mm ROUND WITH	a cv	50mm	KNUCK -ING AND/OR	50mm	1 TIE	50mm	1 TIE	OFFSET	75mm 0.D.	100mm
OVER 1.8m TO	OR 9 GA.	AS FABRIC	0 <b>.</b> D.	600mm	TIGHTNERS AND ELTTINGS	, JH.	55	TWIST -ING	0.D.	EVERY 300mm	0.D.	EVERY 300mm		100mm 0.D.	0.D.

NOTE:
POST SIZES ARE FOR STEEL. WHERE ALUMINUM IS PROVIDED, LINE POSTS SHALL HAVE AN OUTSIDE DIAMETER OF 62.5mm FOR FENCE HEIGHT OF 1.8m AND LESS, AN OUTSIDE DIAMETER OF 75mm FOR FENCE HEIGHT OF 1.8m TO 3.6m. END, PULL, CORNER, AND BRACE POSTS SHALL HAVE AN OUTSIDE DIAMETER OF 75mm FOR FENCE HEIGHT OF 1.8m TO 3.6m. GATE POSTS WHERE GATE WIDTH IS 3.6m AND LESS SHALL HAVE AN OUTSIDE DIAMETER OF 87.5mm FOR FENCE HEIGHT OF 1.8m AND LESS. ALUMINUM TENSION WHERE GATE WIDTH IS 3.6m AND LESS SHALL HAVE AN OUTSIDE DIAMETER OF 87.5mm FOR FENCE HEIGHT OF 1.8m AND LESS. ALUMINUM TENSION WHE SHALL BE 4.8mm IN DIAMETER. MINIMUM THICKNESS OF MATERIAL FROM WHICH EXPANSION SLEEVES SHALL BE MADE WILL BE 1.95mm. POSTS AND RAILS MAY HAVE ANY CROSS-SECTIONAL SHAPE THAT WILL MEET THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.

OTHER DETAILS APPLY TO BOTH STEEL AND ALUMINUM FENCE.

ALL MISCELLANEOUS FITTINGS AND HARDWARE SHALL MEET THE REQUIREMENTS AND PRODUCTION TOLERANCES AS SET FORTH IN THE SPECIFICATIONS. 9 GAUGE ALUMINUM WIRE SHALL BE ACCEPTABLE FOR TIEING FABRIC TO TUBULAR AND ROLL FORMED MEMBERS OF STEEL FENCE.

## POSTS AND RAILS

	GRADE	1 AND ALUMI	NUM ALL	GRADE 2								
SIZE O.D.	0.D.	WALL THICKNESS	KGS. PE	R METER	O.D.	WALL THICKNESS	KGS.PER METER					
42	42	3.6	3.38	1.17	42	2.8	2.74					
50	48	3.7	4.05	1.40	48	3.0	3.39					
62.5	50	3.9	5.43	1.88	50	3.3	4.64					
75	73	5.2	8.62	2.96	73	4.0	6.90					
87.5	89.9	5.49	11.3	3.90	89.9	4.06	8.50					
100	102	5.7	13.56	4.67	102	4.1	9.76					
TOLERANCES	TOLERANCES ON DIMENSIONS AND WEIGHTS ACCORDING TO AASHTO M 181											

## GENERAL NOTES:

- (C) CHAIN LINK FENCE BEING PLACED ON PRIVATE PROPERTY SHALL INCLUDE A TOP RAIL, ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER METER OF CHAIN LINK FENCE.
- (D) <u>TENSION WIRE</u>: SHALL BE SECURE TO ALL TERMINAL, PULL, BRACE OR CORNER POSTS WITH TENSION BAR BANDS.
- (J) <u>BRACE RAIL</u>: BRACE RAILS SHALL BE PROVIDED AT ALL TERMINAL, PULL, BRACE OR CORNER POSTS HALFWAY BETWEEN THE TOP RAIL AND GROUND LEVEL WHEN TOPRAIL IS SPECIFIED AND 300mm DOWN FROM TOP OF FABRIC WHEN TOP TENSION WIRE IS SPECIFIED. BRACE RAIL SHALL EXTEND FROM SUCH POST TO THE FIRST ADJACENT LINE POST.
- (L) FABRIC: SHALL CONFORM TO REQUIREMENT OF THE SPECIFICATIONS.
- (M) GATE FRAMES: SHALL BE CONSTRUCTED OF TUBULAR MEMBERS
  ASSEMBLED BY USE OF HEAVY PRESSED STEEL, MALLEABLE FITTING
  OR BY WELDING. ALL GATES SHALL HAVE ONE HORIZONTAL SUPPORT
  EXTENDING THE WIDTH OF THE GATE AT THE MIDPOINTS OF VERTICAL
  FRAME MEMBERS. THE COMPLETE FRAME SHALL BE RIGID AND HAVE
  AMPLE STRENGTH TO BE FREE FROM SAG AND TWIST.
- (O) <u>HINGES</u>: SHALL BE OF HEAVY PATTERN, OF ADEQUATE STRENGTH FOR CATE, AND WITH LARGE BEARING SURFACES FOR CLAMPING IN POSITION, THE HINGE SHALL BE OF THE PROPER TYPE TO ALLOW FOR THE DESIGNATED DEGREE OF SWING. THE HINGE SHALL NOT TWIST OR TURN UNDER THE ACTION OF THE GATE. THE GATES SHALL BE CAPABLE OF BEING OPENED AND CLOSED EASILY BY ONE PERSON.
- (P) <u>LATCHES AND STOPS</u>: SHALL BE PROVIDED FOR ALL GATES. GATES SHALL HAVE A DROP BAR LATCH. LATCHES SHALL BE ARRANGED FOR LOCKING. THE STOP FOR DROP BAR LATCHES SHALL BE SET IN CONCRETE AND ENGAGE THE PLUNGER OF THE BAR LATCH.
- (S) <u>CAPS</u>: ALL POSTS, EXCEPT ROLL FORMED POSTS AND 'T' POSTS SHALL BE CAPPED OVER THE EXTERIOR OF THE POST, AND SHALL CONFORM TO ASTM F626.

CONCRETE REQUIRED FOR THE EMBEDMENT OF ALL POSTS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR CHAIN LINK FENCE.

POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 3.0m CENTERS.

EXCAVATION FOR POSTS: IN OTHER THAN ROCK SHALL BE OF THE DIMENSIONS INDICATED. IF ROCK IS ENCOUNTERED BEFORE REACHING THE REQUIRED DEPTH, THE EXCAVATION SHALL BE CONTINUED TO THE DEPTH INDICATED OR 450mm INTO THE ROCK, WHICHEVER IS LESS, AND SHALL BE A MINIMUM OF 200mm IN DIAMETER.

ARKANSAS STATE HIGHWAY COMMISSION

CHAIN LINK FENCE

STANDARD DRAWING WF-3(M)



VARIABLE

FABRIC

MIN. 100mm

CL FARANCE

