

ROLL FORMED TERMINAL POST & CORNER POST

HOT ROLLED LINE POST H - COLUMN

LINE POST HEAVY "C" ROLL FORMED

HOT ROLLED TOP & BRACE RAIL

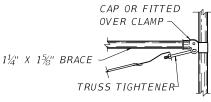
LEGEND / (ALTERNATES)

TUBULAR	ROLL FORMED	
1 2½" NPS END POST	3½" X 3½" END POST	
2 2" NPS LINE POST	2¼" H-COL. LINE POST - OR - 2¼" C-COL. LINE POST	
③ %" DIA.TRUSS ROD AND TIGHTNER	¾" DIA. TRUSS ROD AND TIGHTNER	
4 APPROVED CAPS	NOT REQUIRED	
5 FLAT TENSION BAR	NOT REQUIRED	
6 BRACE BAND AND TENSION BAND	NOT REQUIRED	
7 11/4" NPS BRACE	1½" X 1½" TOP RAIL & BRACE	
8 11/4" NPS TOP RAIL (SEE NOTE 9)	174 A 178 FOR HAIL & BRACE	

- 9. TENSION WIRE COMPLYING WITH ASTM A 824 SHALL BE SUBSTITUTED FOR THE TOP RAIL WHEN THE FENCE IS TO BE INSTALLED IN THE PATH OF AN ERRANT VEHICLE.
- 10. ALL POSTS SHALL BE SET IN CONCRETE TO THE DIMENSIONS INDICATED ON THIS DRAWING.
- 11.4' HIGH FENCE SHALL HAVE 4' FABRIC HEIGHT. 6' HIGH FENCE SHALL HAVE 6' FABRIC HEIGHT.
- 12. ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F626.
- 13. POST CAPS AND SOCKET TYPE BRACE END CONNECTIONS SHALL BE GALVA-NIZED PRESSED STEEL, CAST IRON OR OTHER TYPE AS APPROVED BY THE ENGINEER. THEY SHALL BE DESIGNED IN A MANNER TO EXCLUDE MOISTURE FROM INSIDE POSTS AND RAILS.
- 14.NPS = NOMINAL PIPE SIZE ASTM F1083 AND F1043 (HEAVY INDUSTRIAL FENCE) SHALL GOVERN.
- 15. INDISCRIMINATE MIXING OF POSTS WILL NOT BE PERMITTED.

BID ITEMS AND UNIT TO BID CHAIN LINK FENCE CONCRETE-CLASS B

LF CUYD



BRACE AND TRUSS CONNECTOR

KENTUCKY DEPARTMENT OF HIGHWAYS

CHAIN LINK FENCE 4' TO 6' HIGH

STANDARD DRAWING NO. RFC-001-08

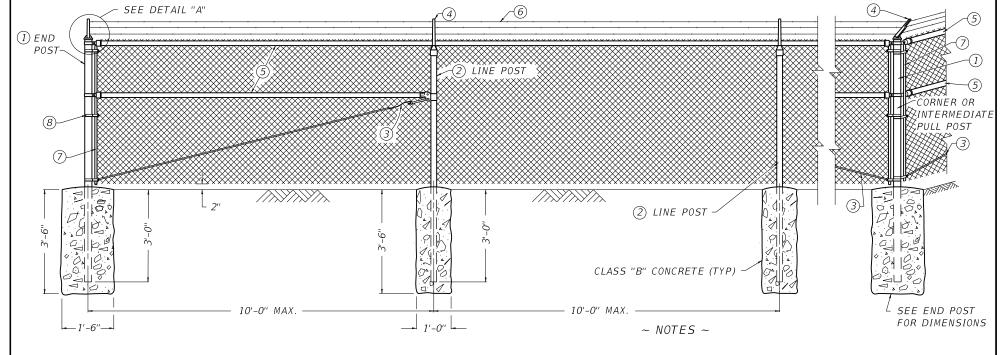
SUBMITTED LIGHT STANDARD OF DESIGN
DIRECTOR STANDARD OF DESIGN
DATE

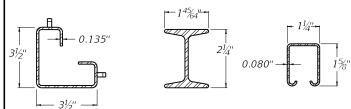
DIRECTOR DIVISION OF DESIGN

DATE

12-01-15

DATE





ROLL FORMED TERMINAL POST & CORNER POST

HOT ROLLED LINE POST H - COLUMN

ROLL FORMED TOP & BRACE RAIL

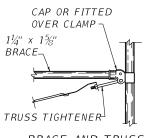
- 9. ALL POSTS SHALL BE SET IN CONCRETE TO THE DIMENSIONS SHOWN ON THIS DRAWING.
- 10. A 11/4" NPS OR A 11/4" x 15/4" ROLL FORMED SECTION, BOTTOM RAIL SHALL BE REQUIRED AROUND ALL UTILITY INSTALLATIONS AND AT OTHER LOCATIONS DESIGNATED BY THE ENGINEER.
- 11.8' HIGH FENCE SHALL HAVE 7' FABRIC HEIGHT. 9' HIGH FENCE SHALL HAVE 8' FABRIC HEIGHT. 10' HIGH FENCE SHALL HAVE 9' FABRIC HEIGHT. 11' HIGH FENCE SHALL HAVE 10' FABRIC HEIGHT. 12' HIGH FENCE SHALL HAVE 11' FABRIC HEIGHT.
- 12. ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F626.
- 13. POST CAPS AND SOCKET TYPE BRACE END CONNECTIONS SHALL BE GALVANIZED PRESSED STEEL, CAST IRON OR OTHER TYPE AS APPROVED BY THE ENGINEER. THEY SHALL BE DESIGNED IN A MANNER TO EXCLUDE MOISTURE FROM INSIDE THE POSTS AND RAILS.
- 14. NPS = NOMINAL PIPE SIZE ASTM F1083 AND F1043 (HEAVY INDUSTRIAL FENCE) SHALL GOVERN.

BID ITEMS AND UNIT TO BID CHAIN LINK FENCE CONCRETE-CLASS B

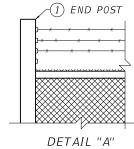
CUYD

LEGEND / (ALTERNATES)

TUBULAR		ROLL FORMED	
1	2½" NPS END POST	3½" X 3½" END POST	
2	2" NPS LINE POST	21/4" H-COL. LINE POST	
3	$rac{3}{8}$ " DIA. TRUSS ROD AND TIGHTNER	¾" DIA. TRUSS ROD AND TIGHTNER	
4	BARBED WIRE ARMS	BARBED WIRE ARMS	
(5)	1¼" NPS TOP RAIL & BRACE	11/4" x 15/8" TOP RAIL & BRACE	
6	BARBED WIRE	BARBED WIRE	
7	FLAT TENSION BAR	NOT REQUIRED	
8	BRACE BAND AND TENSION BAND	NOT REQUIRED	



BRACE AND TRUSS CONNECTOR



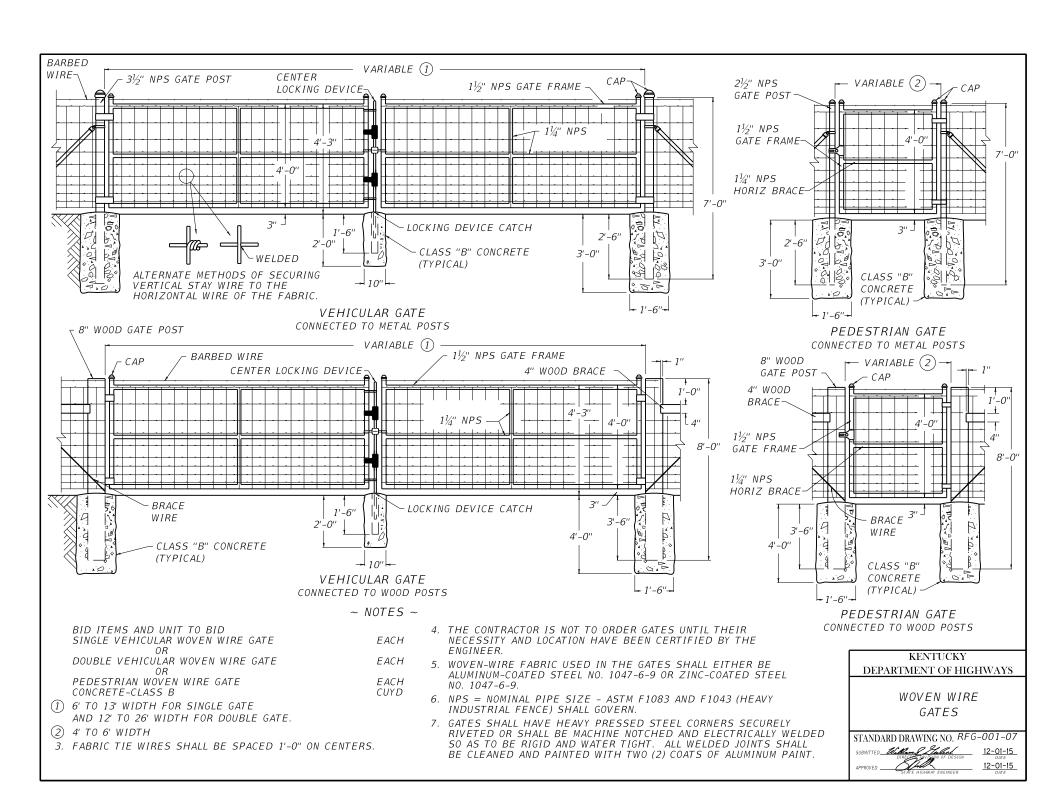
ROLL FORMED

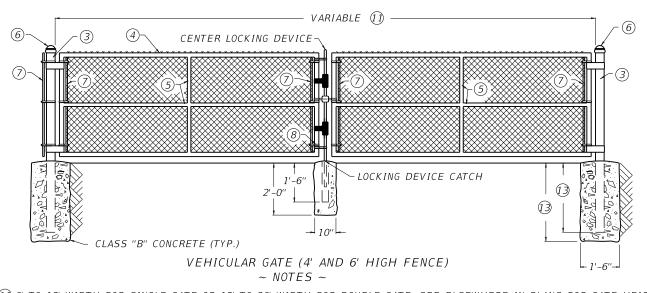
KENTUCKY DEPARTMENT OF HIGHWAYS

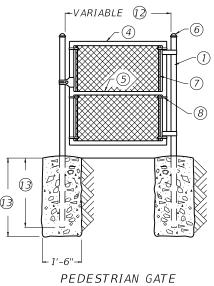
CHAIN LINK FENCE 8' TO 12' HIGH

STANDARD DRAWING NO. RFC-002-05 12-01-15









PEDESTRIAN GATE
(4' AND 6' HIGH FENCE)

- igl(eta) 6' TO 13' WIDTH FOR SINGLE GATE OR 12' TO 26' WIDTH FOR DOUBLE GATE. SEE ELSEWHERE IN PLANS FOR GATE HEIGHT.
- (12) 4' TO 6' WIDTH. SEE ELSEWHERE IN PLANS FOR GATE HEIGHT.
- (3) 3'-0" FOR 4' FENCE OR 3'-6" FOR 6' FENCE. 2'-6" FOR 4' FENCE OR 3'-0" FOR 6' FENCE.
- 14. ALL POST SHALL BE SET IN CONCRETE TO THE DIMENSIONS AS INDICATED ON THIS DRAWING.
- 15. VEHICULAR AND PEDESTRIAN GATES SHALL HAVE HEAVY PRESSED STEEL CORNERS SECURELY RIVETED OR SHALL BE MACHINE NOTCHED, AND ELECTRICALLY WELDED SO AS TO BE RIGID AND WATER TIGHT; AND EQUIPPED WITH A PADLOCKING DEVICE AND GROUND STOP.
- 16.ALL WELDED JOINTS SHALL BE CLEANED AND PAINTED WITH TWO (2) COATS OF ALUMINUM PAINT.
- 17.4' HIGH GATES SHALL HAVE 4' FABRIC HEIGHT. 6' HIGH GATES SHALL HAVE 6' FABRIC HEIGHT. 8' HIGH GATES SHALL HAVE 7' FABRIC HEIGHT. 9' HIGH GATES SHALL HAVE 8' FABRIC HEIGHT. 10' HIGH GATES SHALL HAVE 9' FABRIC HEIGHT. 11' HIGH GATES SHALL HAVE 10' FABRIC HEIGHT. 12' HIGH GATES SHALL HAVE 11' FABRIC HEIGHT.
- 18. BARBED WIRE IS REQUIRED ON 8' TO 12' HIGH GATES. SEE DETAILS A AND B FOR INSTALLATION.
- 19.THE CONTRACTOR IS NOT TO ORDER GATES UNTIL THEIR NECESSITY AND LOCATION HAVE BEEN CERTIFIED BY THE ENGINEER.
- 20. ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F626.
- INDUSTRIAL FENCE) SHALL GOVERN.

 BID ITEMS AND UNIT TO BID

 SINGLE VEHICULAR CHAIN LINK GATE

 OR

 DOUBLE VEHICULAR CHAIN LINK GATE

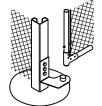
 OR

 PEDESTRIAN CHAIN LINK GATE

 CONCRETE-CLASS B

 CUYD

21.NPS = NOMINAL PIPE SIZE - ASTM F1083 AND ASTM F1043 (HEAVY

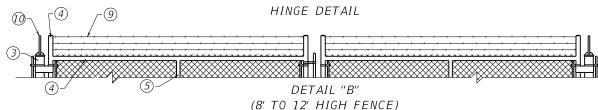




LEGEND / (ALTERNATES)

TUBULAR	ROLL FORMED
1 END POST 2½" NPS	3½" X 3½"
2 END POST 2½" NPS	3½" X 3½"
3 GATE POST 3½ NPS	NO ALTERNATE
4 GATE FRAME 11/2" NPS	NO ALTERNATE
(5) 1½" NPS	NO ALTERNATE
6 APPROVED CAPS	NOT REQUIRED
7 FLAT TENSION BAR	NOT REQUIRED
8 BRACE BAND AND TENSION BAND	NOT REQUIRED
9 BARBED WIRE	BARBED WIRE
10 BARBED WIRE ARMS	BARBED WIRE ARMS

6 DETAIL "A" (8' TO 12' HIGH FENCE)



KENTUCKY DEPARTMENT OF HIGHWAYS

> 4' TO 12' HIGH CHAIN LINK GATE

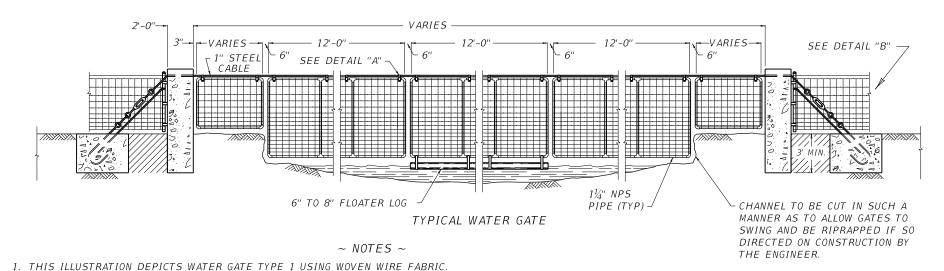
STANDARD DRAWING NO. RF G-005-06

SUBMITTED MARKET STANDARD OF DESIGN

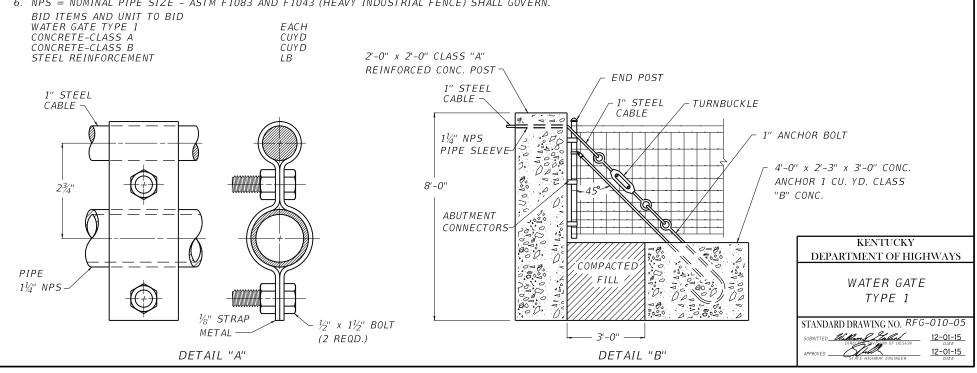
APPROVED 12-01-15

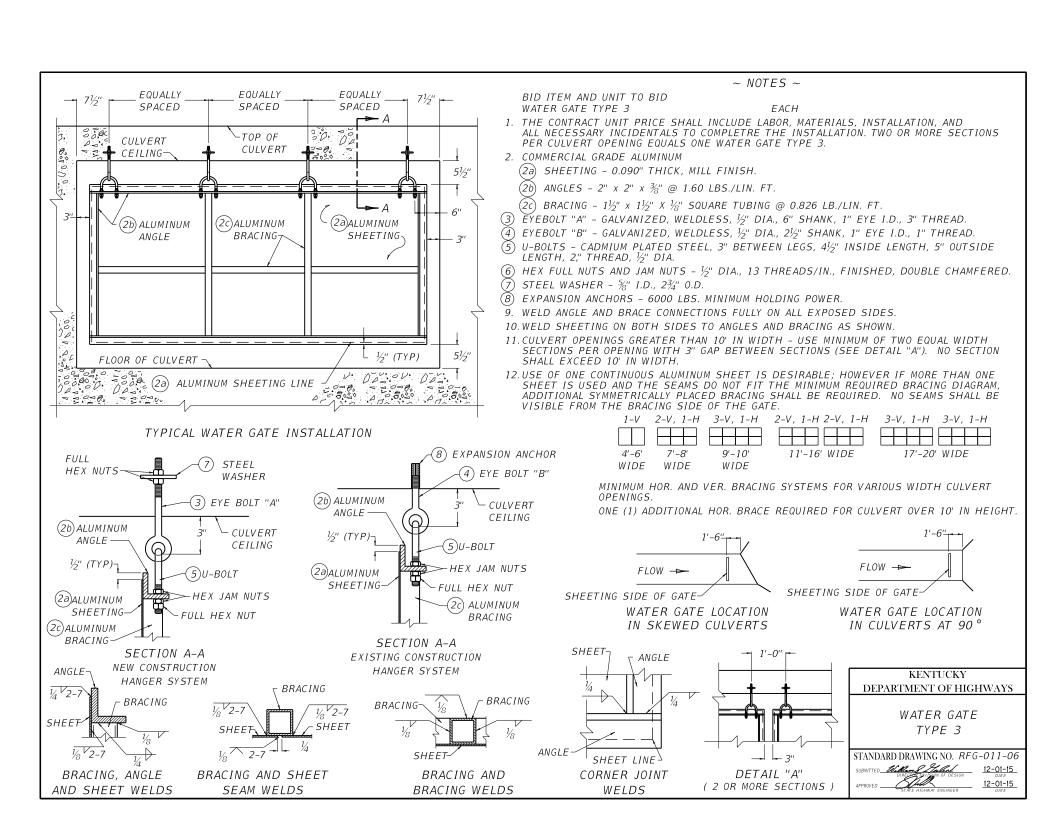
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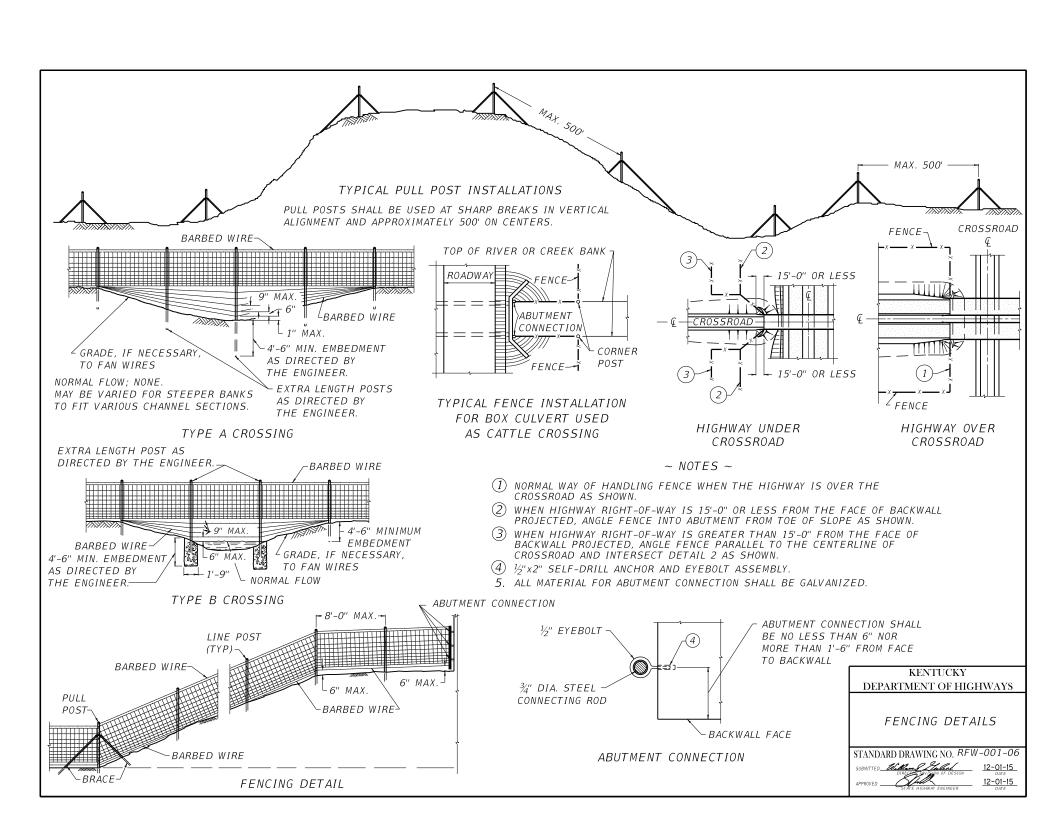
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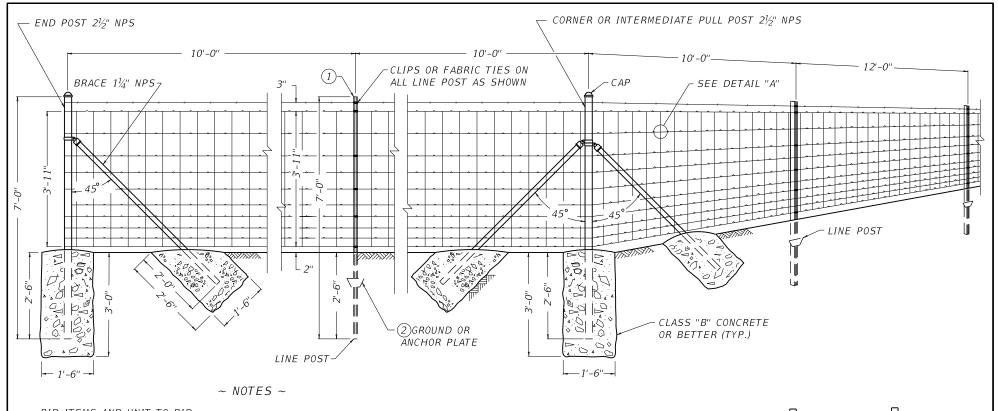


- 2. FABRIC TIE WIRES SHALL BE SPACED 1'-0" ON CENTERS. THE CONTRACTOR IS NOT TO ORDER GATES OF ANY TYPE UNTIL THEIR NECESSITY AND LOCATION ARE CERTIFIED BY THE ENGINEER.
- 3. ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F626
- 4. WOVEN-WIRE FABRIC USED ON WATER GATE TYPE 1 SHALL BE EITHER ALUMINUM-COATED STEEL NO. 1047-6-9 OR ZINC COATED STEEL NO. 1047-6-9.
- 5. WATER GATES SHALL HAVE HEAVY PRESSED STEEL CORNERS SECURELY RIVETED OR SHALL BE MACHINE NOTCHED AND ELECTRICALLY WELDED SO AS TO BE RIGID AND WATER TIGHT. ALL WELDED JOINTS SHALL BE CLEANED AND PAINTED WITH TWO (2) COATS OF ALUMINUM PAINT.
- 6. NPS = NOMINAL PIPE SIZE ASTM F1083 AND F1043 (HEAVY INDUSTRIAL FENCE) SHALL GOVERN.









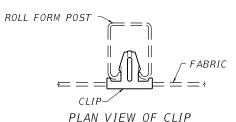
BID ITEMS AND UNIT TO BID FENCE-WOVEN WIRE TYPE 1 CONCRETE-CLASS B

LF CUYD

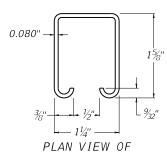
1 STUDDED "T" POST CONFORMING TO ASTM A702 AT 1.33 LBS. PER FOOT - OR -

ROLL FORM POST AT 1.40 LBS. PER FOOT (SEE DETAIL)

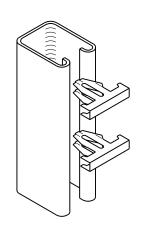
- (2) NOT REQUIRED FOR ROLL FORM POST.
- 3. WOVEN-WIRE FABRIC SHALL BE EITHER ALUMINUM-COATED STEEL NO. 1047-6-9 OR ZINC-COATED STEEL NO. 1047-6-9.
- 4. ALL FENCE FITTINGS SHALL COMPLY WITH ASTM F626.
- 5. NPS = NOMINAL PIPE SIZE ASTM F1083 AND F1043 (HEAVY INDUSTRIAL FENCE) SHALL GOVERN.



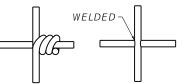
PLAN VIEW OF CLIP INSTALLED IN ROLL FORM POST



PLAN VIEW OF ROLL FORM POST



ISOMETRIC EXPLODED VIEW
OF ROLL FORM POST AND CLIPS
CLIPS SHALL BE SPRING STEEL ALUMINUM - FINISHED



ALTERNATE METHODS OF SECURING VERTICAL STAY WIRE TO THE HORIZONTAL WIRE OF THE FABRIC.

DETAIL "A"

KENTUCKY DEPARTMENT OF HIGHWAYS

WOVEN WIRE FENCE TYPE 1

STANDARD DRAWING NO. RFW-005-08
SUBMITTED Williams Yould 12-01-15

SUBMITTED LIGHT DIVISION OF DESIGN

APPROVED STATE HIGHWAY ENGINEER

12-01-15
DATE

12-01-15
DATE

