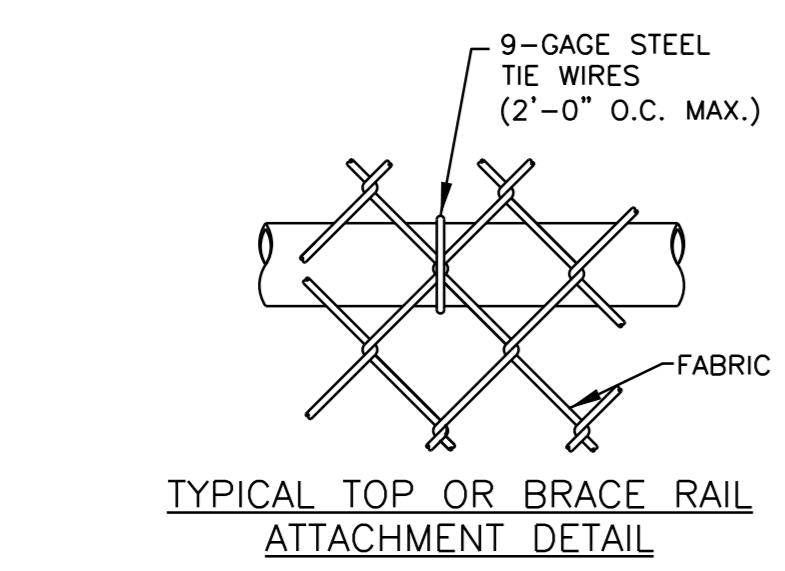
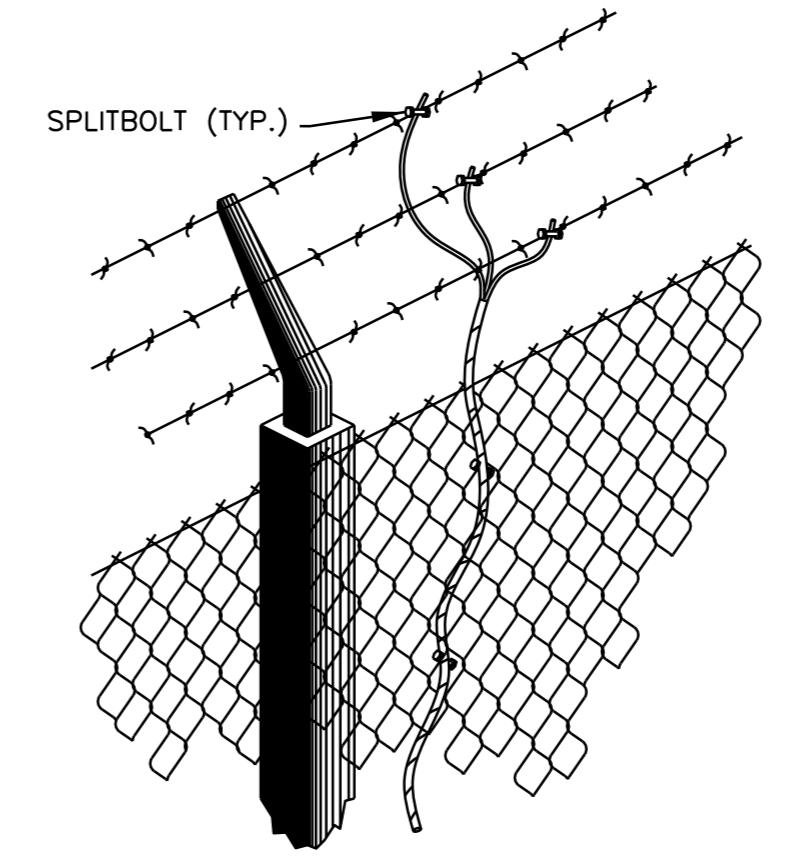
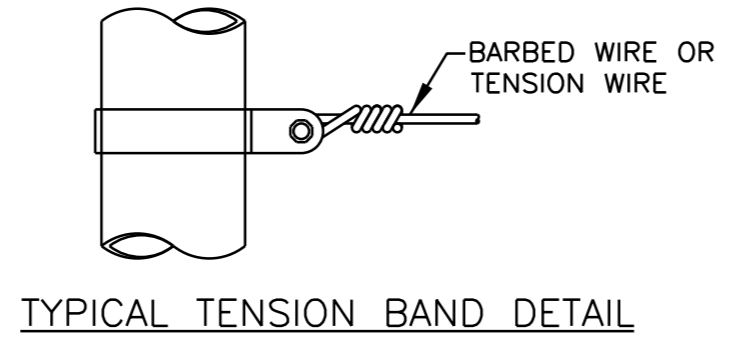


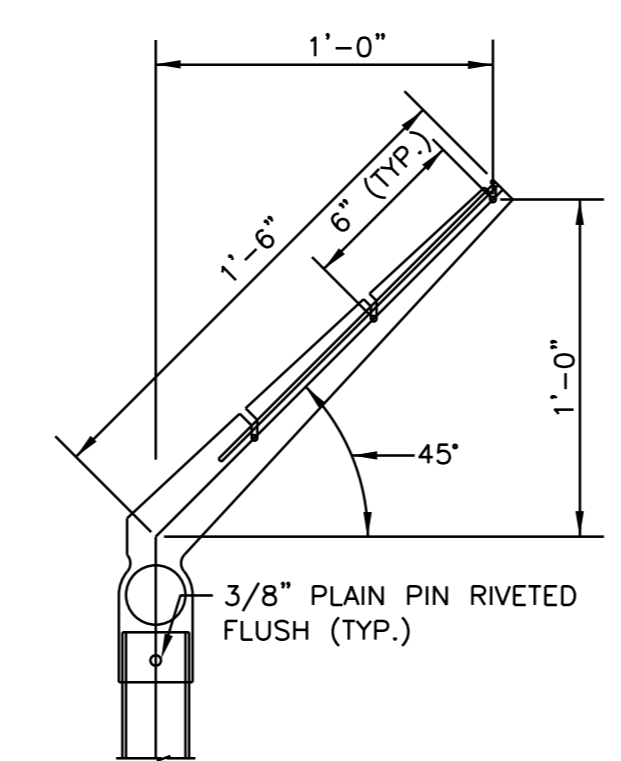
TYPICAL FENCE DETAIL  
NOT TO SCALE



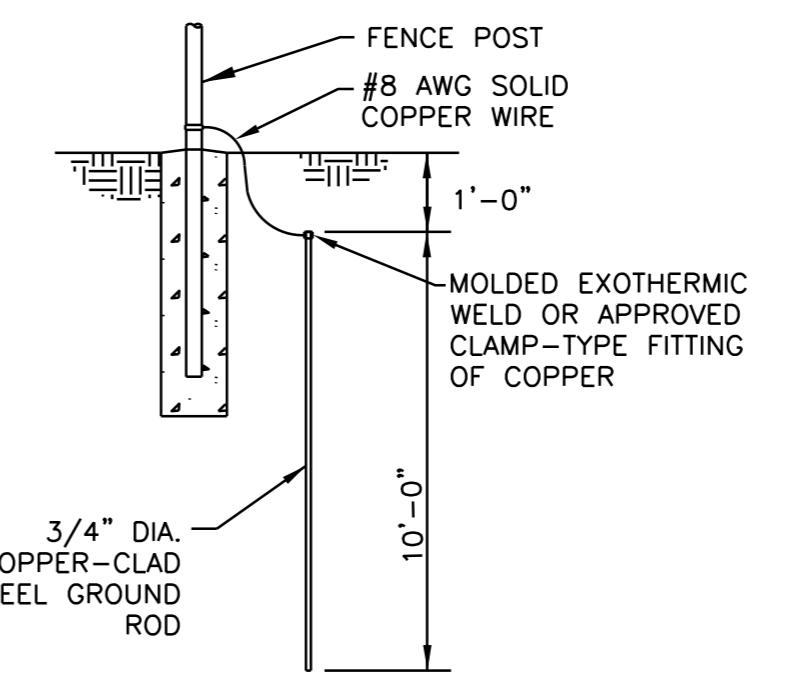
TYPICAL TOP OR BRACE RAIL ATTACHMENT DETAIL



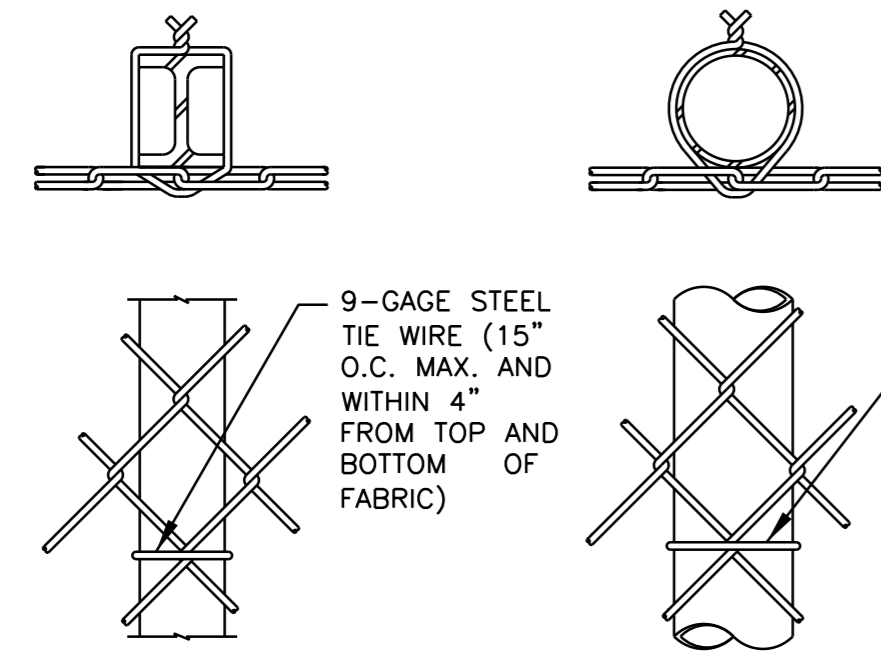
TYPICAL TENSION BAND DETAIL



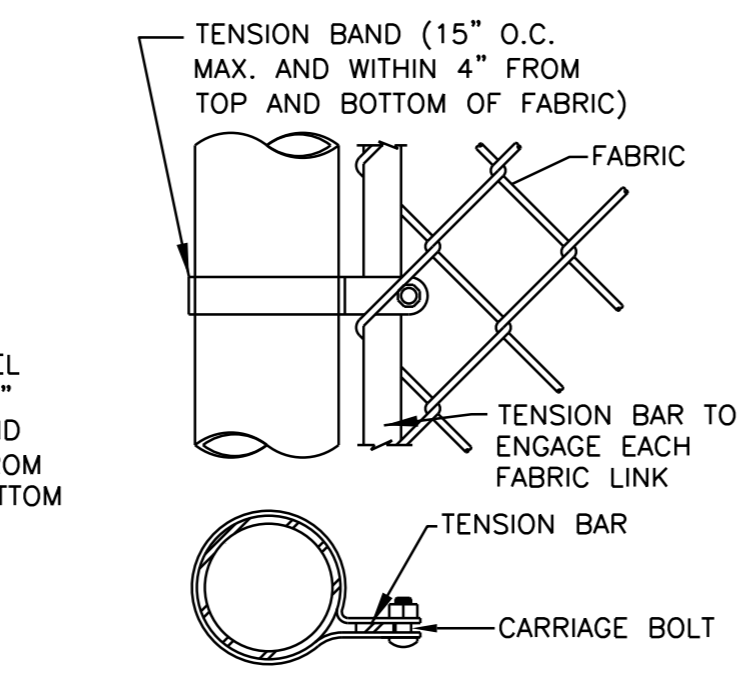
TYPICAL EXTENSION ARM DETAIL  
NOT TO SCALE



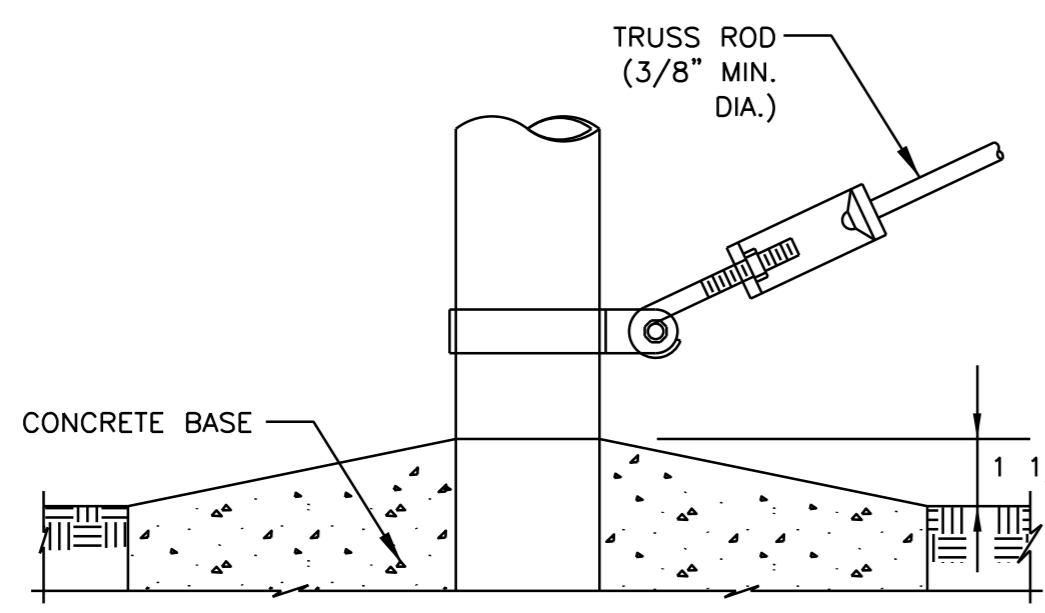
TYPICAL GROUNDING DETAIL  
NOT TO SCALE



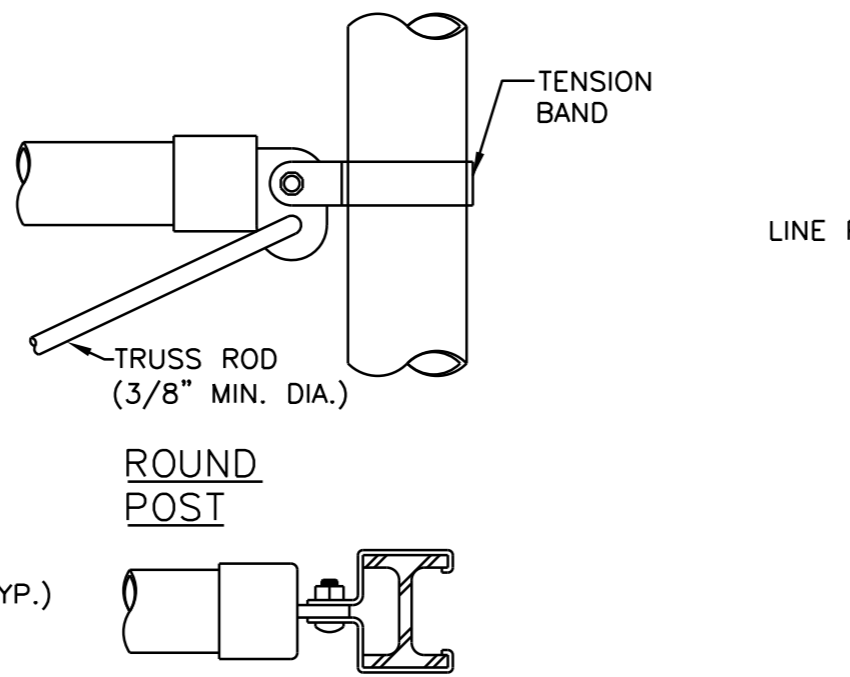
TYPICAL LINE POST ATTACHMENT DETAILS



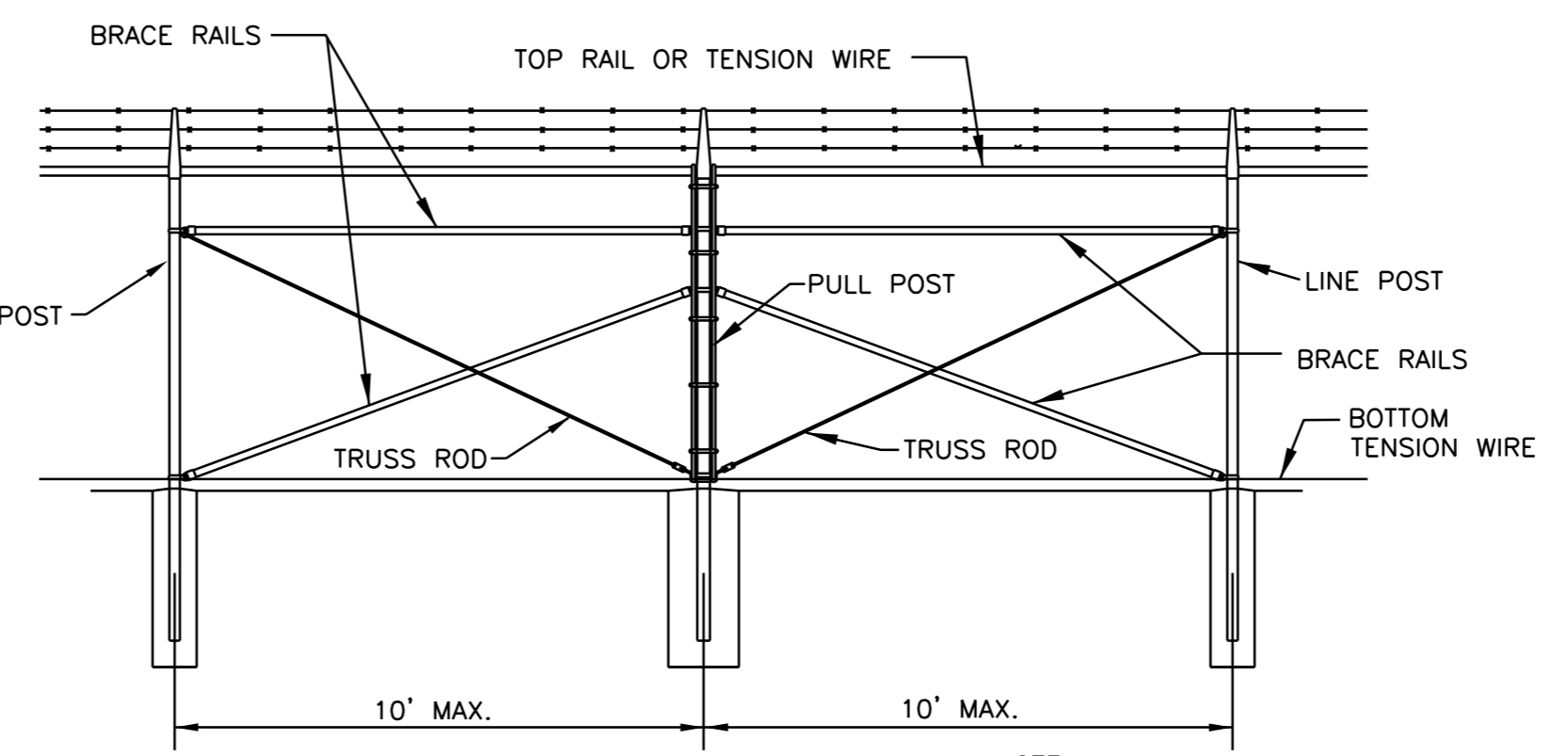
TYPICAL END OR GATE POST DETAIL



TYPICAL TRUSS ROD AND BAND DETAIL



TYPICAL BRACE RAIL CLAMP DETAILS



TYPICAL BRACE PANEL DETAIL  
NOT TO SCALE

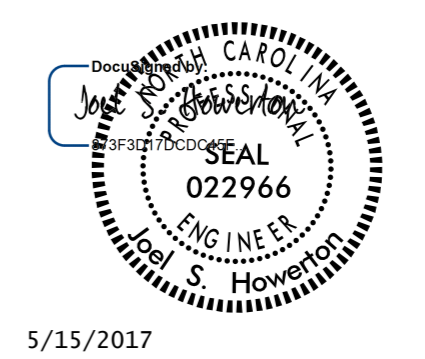
NOTES:

- FENCE FABRIC SHALL BE 2 INCH SQUARE MESH.
- FENCE FABRIC MINIMUM WIRE THICKNESS SHALL BE 9 GAUGE (WITHOUT COATING) STEEL WIRE.
- POSTS SHALL BE STEEL POSTS.
- FENCE POSTS, BRACING, AND OTHER STRUCTURAL MEMBERS SHALL BE PLACED ON SITE SIDE OF THE FABRIC.
- FENCE FABRIC SHALL BE SECURELY FASTENED WITH TENSION WIRES WITH 9 GAUGE GALVANIZED TIE WIRES INCORPORATING AT LEAST A 540 DEGREE TIGHTENED LOOP.
- CONTRACTOR SHALL PROVIDE NECESSARY GRADE SUCH THAT FENCE FABRIC EXTENDS WITHIN 2 INCHES OF FIRM GROUND. PROVIDE ANCHORING TO PREVENT THE FABRIC FROM BEING LIFTED MORE THAN 5 INCHES. FENCE FABRIC MAY ALSO BE BURIED 12 INCHES.
- FENCE FABRIC SHALL BE INTERWOVEN OR CLIPPED ALONG THE TOP AND THE BOTTOM ROW OF FABRIC DIAMONDS AND HAVE TWISTED AND BARBED SELVAGE AT THE BOTTOM AND THE TOP.
- POSTS SHALL BE THE SAME MATERIAL AS THE FENCING WIRE.
- POSTS SHALL BE VERTICAL WITHIN PLUS OR MINUS 2 DEGREES IN TWO PLANES.
- POSTS SHALL BE BURIED AND ENCASED IN CONCRETE FOOTINGS. FOOTINGS SHALL BE MINIMUM 3'-4" IN DEPTH.
- POST SEPARATION SHALL BE A MAXIMUM OF 10 FEET.
- EACH GATE, TERMINAL, AND END POST SHALL BE BRACED WITH TRUSS RODS INSTALLED DIAGONALLY FROM THE NEAR GROUND LEVEL OF THE GATE, TERMINAL OR END POST TO THE TOP OF THE ADJACENT LINE POST, THIS CONNECTION POINT SHALL BE NO HIGHER THAN 6 INCHES DOWN FROM THE TOP OF THE FABRIC. THE ANGLE BETWEEN THE TRUSS ROD AND THE GROUND SHALL BE NO MORE THAN 50 DEGREES. STEEL TRUSS RODS SHALL BE NOT LESS THAN 3/8 INCH NOMINAL DIAMETER WITH TURNBUCKLES FOR TENSIONING.
- ALL FASTENINGS AND HINGE HARDWARE SHALL BE SECURED IN PLACE BY PEENING OR WELDING.
- FENCE HEIGHT FROM GROUND TO TOP OF FABRIC SHALL BE 7.
- BARBED WIRE SHALL BE SECURED AT EVERY POST AT A MINIMUM INTERVAL OF 18 INCHES ALONG THE TOP REINFORCING WIRE OR BARBED WIRE STRAND.
- THE OUTRIGGER SHALL PROVIDE A MINIMUM OF 12 INCHES TO THE FENCE HEIGHT.
- THE TOP GUARD ADJOINING GATES MAY RANGE FROM A VERTICAL HEIGHT OF 18 INCHES TO THE NORMAL 45 DEGREE OUTWARD PROTECTION, ONLY FOR THE AMOUNT OF SPACE IT TAKES TO OPEN THE GATES. BARBED WIRE ON GATES SHALL BE ATTACHED ONE STRAND ABOVE THE OTHER VERTICALLY.
- ASTM STANDARDS SHALL BE FOLLOWED FOR ALL MATERIALS, INSTALLATIONS, AND REPAIRS OF STANDARD FENCING FABRIC.
- ALL FENCING ACCESSORIES USED IN THE ERECTION OF CHAIN-LINK FENCES SHALL MEET ASTM SPECIFICATIONS.
- ALL FITTINGS SHALL BE ELECTROLYTICALLY COMPATIBLE WITH CONNECTING FITTINGS, COMPONENTS, AND FENCE FABRIC TO INHIBIT CORROSION.
- IN ACCORDANCE WITH UFC 4-022-03, WHERE THE BOTTOM OF FENCE FABRIC CANNOT BE 2" OR LESS FROM THE GROUND SURFACE, SUCH AS WHERE FENCING CROSSES DRAINAGE DITCHES OR SWALES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL FENCING ACROSS THE DITCH OR SWALE. FENCING ADDED BELOW SHALL BE ATTACHED A MINIMUM OF EVERY 2" ALONG THE INTERSECTION OF THE TWO FENCE SECTIONS AND ATTACHED TO A SERIES OF GROUND STAKES SECURED TO THE SIDES AND BOTTOM OF THE DITCH (SEE SECTION 2-12.7 OF THE UFC). SEE 'TYPICAL DITCH CROSSING DETAIL' SHEET C-12.

STEEL POST SCHEDULE	
USE AND SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)
	FABRIC WIDTH 84" TO 96"
<b>CORNER, END &amp; PULL POSTS</b>	
TUBULAR - ROUND	2.875" O.D.
TUBULAR - SQUARE	2.50" SQ.
C-SECTION (ROLL-FORMED)	3.50" x 3.50"
<b>LINE POSTS</b>	
TUBULAR - ROUND	2.375" O.D.
H-SECTION	2.25" x 1.70"
C-SECTION (ROLL-FORMED)	2.25" x 1.70"
<b>TOP, BOTTOM &amp; BRACE RAILS</b>	
TUBULAR - ROUND	1.66" O.D.
TUBULAR - SQUARE	1.50" SQ.
H-SECTION	1.625" x 1.50"
C-SECTION (ROLL-FORMED)	1.625" x 1.25"

NOTE:

- THE DRAWINGS HAVE BEEN PREPARED USING SOME DIMENSIONS AND ELEMENTS FROM A PARTICULAR EQUIPMENT MANUFACTURER. AS ALLOWED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MAY IN FACT PROVIDE A DIFFERENT PIECE OF EQUIPMENT WHICH HAS DIFFERENT DIMENSIONS AND ELEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GAINING APPROVAL OF THE DIFFERENT DIMENSIONS AND ELEMENTS PRIOR TO ANY CONSTRUCTION AND ALL CHANGES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE. THE SALIENT FEATURES SHALL NOT BE COMPROMISED.



5/15/2017

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS & DEVELOPMENT UNIT  
STANDARDS AND SPECIAL DESIGN**  
Office 919-707-6950 FAX 919-250-4119

**CHAIN LINK  
SECURITY FENCE**

ORIGINAL BY: _____	DATE: _____
MODIFIED BY: rnbritt	DATE: 03/22/16
CHECKED BY: _____	DATE: _____
FILE SPEC. : J:\howerton\Chain Link Fence Security Fence - Military.dgn	

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NOT TO SCALE