

| TABLE OF CHAIN LINK FENCE COMPONENTS |  |  |
| :---: | :---: | :---: |
| COMPONENT | $\begin{array}{c\|} \text { ASTM } \\ \text { DESIGNATION } \\ \hline \end{array}$ | COMPONENT INFORMATION |
| Posts | F 1083 | Galvanized Steel Pipe－3＂NPS，Schedule 40 （3．500＂Outside Diameter， 0．216＂Wall Thickness） |
| Horizontal Rails and Internal Sleeves | F 1083 | Galvanized Steel Pipe－ $2^{1 / 2 "}$ NPS，Schedule 40 （ $2.875^{\prime \prime}$ Outside Diameter， 0．203＂Wall Thickness） |
| Expansion Rails | F 1083 | Galvanized Steel Pipe－2＂NPS，Schedule 40 （2．375＂Outside Diameter， 0．154＂Wall Thickness） |
| Chain Link Fabric （2＂mesh with knuckled bottom selvages） | A 392 | Zinc Coated Steel－No． 9 gage（coated wire diameter），Class 2 Coating |
|  | A 491 | Aluminum Coated Steel－No． 9 gage（coated wire diameter） |
|  | F 668 | Polyvinyl Chloride（PVC）Coated Steel－No． 9 gage Zinc Coated Wire（metallic－coated core wire diameter）～Specify the color of the polymer coating in the General Notes |
| Tension Wire | A 824 \＆ A 817 | Type II（Zinc Coated Steel Wire）－No． 7 gage，Class 4 Coating |
|  |  | Type I（Aluminum Coated Steel Wire）－No． 7 gage |
| Tie Wires | F 626 | Zinc Coated Steel Wire－No． 9 gage |
| Hog Rings | F 626 | Zinc Coated Steel Wire－No． 12 gage |
| Brace Bands | F 626 | No． 12 gage（Min．thickness）x 3／4＂（Min．width）Steel Bands（Beveled or Heavy） |
| Tension Bars | F 626 | 3／6＂（Min．thickness）x 3／4＂（Min．width）$\times$ Variable Height Steel Bars～ Height＝Tangent or Hoop Length－Barrier or Parapet Height－2＂max |
| Tension Bands | F 626 | No． 14 gage（Min．thickness）x 3／4＂（Min．width）Steel Bands |
| Miscellaneous Fence Components | F 626 | Zinc Coated Steel～（includes horizontal rail ends，combination rail ends，boulevard clamps and all other miscellaneous fittings and hardware） |
| Bolts | A 307 | $3 / /^{\prime \prime} \emptyset \times 4 \frac{1 / 4}{} / \mathrm{Hex}$ Head Bolts for Internal Sleeve connections $1 / 4^{\prime \prime} \emptyset \times 4 \frac{1}{4} 4^{\prime \prime}$ Hex Head Bolts for Expansion Rail connections |
| Nuts | A 563 | Hex Nuts for Internal Sleeve and Expansion Rail connections |
| Washers | F 436 | Flat Washers for Internal Sleeve and Expansion Rail connections |


| TABLE OF POST ATTACHMENT COMPONENTS |  |  |
| :---: | :---: | :---: |
| COMPONENT | $\begin{gathered} \text { ASTM } \\ \text { DESIGNATION } \\ \hline \end{gathered}$ | COMPONENT INFORMATION |
| Pipe Clamps | $\begin{gathered} A 36 \text { or } \\ \text { A } 709 \text { Grade } 36 \\ \hline \end{gathered}$ | 1／4＂Steel R |
| Base Plates | A 36 or A 709 Grade 36 | 3／4＂Steel IR |
| Shim Plates | $\begin{gathered} \text { A } 36 \text { or } \\ \text { A } 709 \text { Grade } 36 \text { or } \\ \text { B } 209 \text { Alloy } 6061-T 6 \\ \text { or B } 221 \text { Alloy } 6063 \text {-T5 } \end{gathered}$ | Plate thicknesses as required；Holes in shim plates will be 3／4＂Ø |
| Spacers | － | 11／4＂ R for all materials |
|  | F 1554 Grade 36 | Fully threaded Headless Anchor Rods $\sim 5 / 8^{\prime \prime} \varnothing \times 6^{\prime \prime}$ （no spacer）or $5 /$＂$^{\prime \prime} \varnothing \times 7 \frac{1 / 4 " ~(w i t h ~ s p a c e r) ~}{\text { a }}$ |
|  | F 1554 Grade 36 | Hex Head Anchor Rods $\sim 5 / /^{\prime \prime} \varnothing \times 6^{\prime \prime}$（no spacer） or $5 / /^{\prime \prime} \varnothing \times 71 / /^{\prime \prime}$（with spacer） |
| 言言完 Adhesive Anchor Rods | F 1554 Grade 36 | Fully threaded Headless Anchor Rods～ $7 / 3^{\prime \prime} \varnothing \times 14 \frac{1}{2} /{ }^{\prime \prime}$ |
|  | F 1554 Grade 36 | Hex Head Anchor Rods $\sim 7 / /^{\prime \prime} \varnothing \times 141 / 2^{\prime \prime}$ |
| Bolts | A 307 | $3 / /^{\prime \prime} \varnothing \times 4^{3 / 4}$ Hex Head Bolts for Pipe Clamp Connections to Posts |
| Nuts | A 563 | Hex Nuts for Pipe Clamp and Base Plate Connections |
| Washers | F 436 | Flat Washers for Pipe Clamp and Base Plate Connections |
| Neoprene Pads | － | In accordance with Specification Section 932 |



## POST ATTACHMENT NOTES

ANCHOR RODS，NUTS AND WASHERS
After the nuts have been tightened，distort the Anchor Rod threads to prevent
removal of the nuts．Coat distorted threads and exposed trimmed ends of anchor with a
COATINGS
Hot－dip galvanize all Nuts，Washers，Bolts，C－I－P Anchor Rods，Adhesive Anchors
and Fence Framework（Posts，Internal Sleeves，Shim Plates，Base Plates，Pip galvanize Fence Framework after fabrication．
ADHESIVE－BONDED ANCHORS AND DOWELS：
Adhesive Bonding Material Systems for Anchors and Dowels will comply with
Specification Section 937 and be installed in accordance with Specification
Section 416．Cutting of reinforcing steel is permitted for drilled hole
installation．
WEDING
WELDING．
All welding will be in accordance with the American Welding Society Structural
Welding Code（Steel）ANSI／AWS D1．1（current edition）．Weld metal will be E60XX
or E70xX
This Dimension is the expansion joint opening plus $1_{4}^{\prime \prime \prime}$ ．Expansion rails are
required at expansion joint locations where the total movement exceeds 1 ＂，but $s^{\prime}$ less than or equal to $6^{\prime \prime}$ ．Expansion rails are part of expansion assemblies fence posts spanning the expansion joint．
2．Install nuts for expansion rails finger－tigt．
minimum of one bolt thread extending beyond the nuts．Distort the first thread on the outside of the nut to prevent loosening．

FDOT DESIGN STANDARDS
FY 2012／2013


| $\begin{gathered} \text { LAST } \\ \text { REVISION } \\ 01 / 01 / 12 \end{gathered}$ |  |
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| NO. |
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