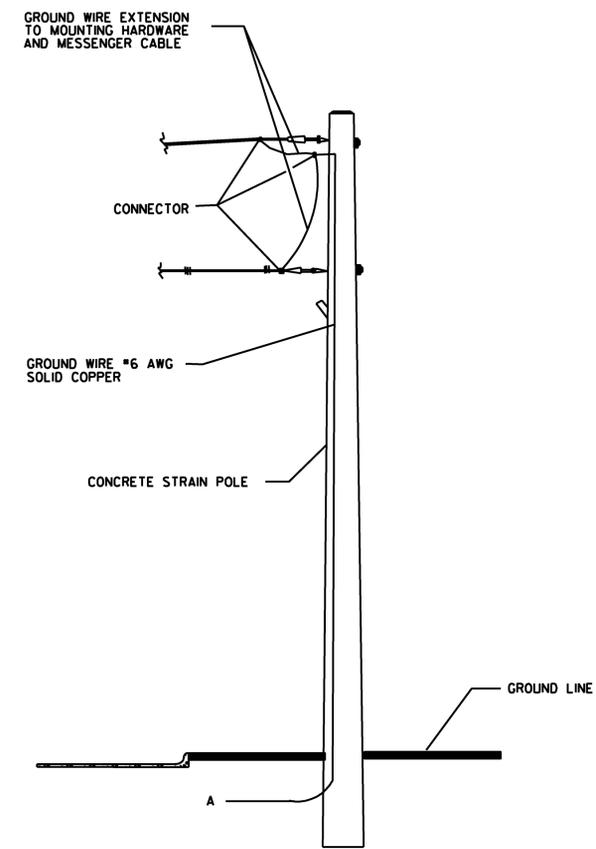
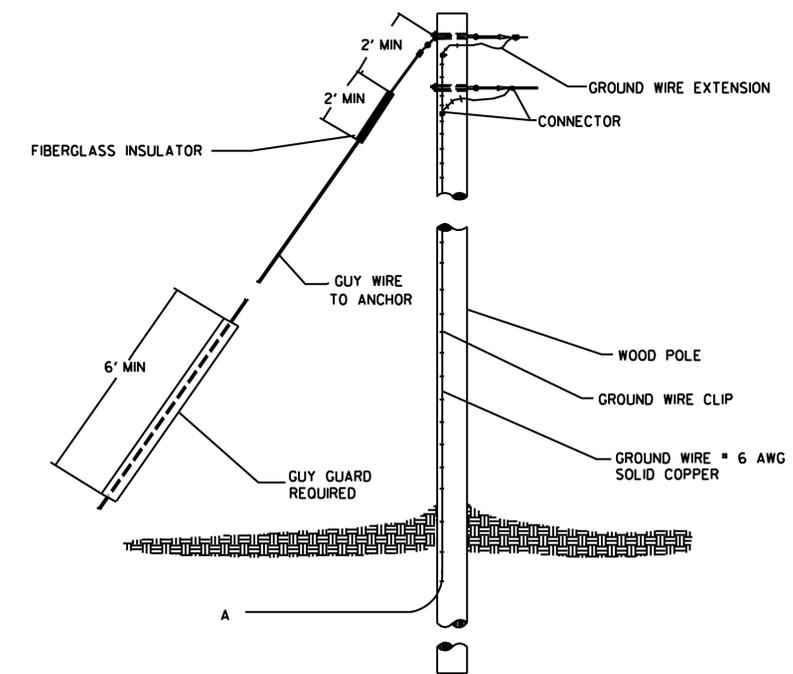


STEEL STRAIN POLE

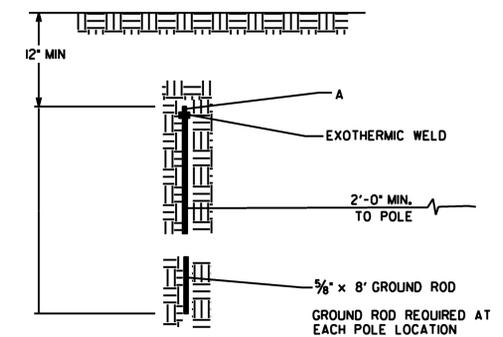


CONCRETE STRAIN POLE

OVERHEAD SIGN GROUNDING SYSTEM SHALL CONFORM TO SECTION 647



TIMBER POLE



GROUNDING DETAIL

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1/8" = 3mm, 1/4" = 6mm, 3/8" = 10mm, 1/2" = 12mm, 5/8" = 16mm, 3/4" = 19mm, 7/8" = 22mm, 1" = 25mm, 1 1/8" = 30mm, 1 1/4" = 32mm, 1 3/8" = 35mm, 1 1/2" = 38mm, 1 5/8" = 41mm, 1 3/4" = 44mm, 1 7/8" = 47mm, 2" = 50mm, 2 1/8" = 53mm, 2 1/4" = 56mm, 2 3/8" = 59mm, 2 1/2" = 62mm, 2 5/8" = 65mm, 2 3/4" = 68mm, 2 7/8" = 71mm, 3" = 75mm, 3 1/8" = 76mm, 3 1/4" = 79mm, 3 3/8" = 82mm, 3 1/2" = 85mm, 3 5/8" = 88mm, 3 3/4" = 91mm, 3 7/8" = 94mm, 4" = 95mm, 4 1/8" = 98mm, 4 1/4" = 101mm, 4 3/8" = 104mm, 4 1/2" = 107mm, 4 5/8" = 110mm, 4 3/4" = 113mm, 4 7/8" = 116mm, 5" = 119mm, 5 1/8" = 122mm, 5 1/4" = 125mm, 5 3/8" = 128mm, 5 1/2" = 131mm, 5 5/8" = 134mm, 5 3/4" = 137mm, 5 7/8" = 140mm, 6" = 143mm, 6 1/8" = 146mm, 6 1/4" = 149mm, 6 3/8" = 152mm, 6 1/2" = 155mm, 6 5/8" = 158mm, 6 3/4" = 161mm, 6 7/8" = 164mm, 7" = 168mm, 7 1/8" = 171mm, 7 1/4" = 174mm, 7 3/8" = 177mm, 7 1/2" = 180mm, 7 5/8" = 183mm, 7 3/4" = 186mm, 7 7/8" = 189mm, 8" = 193mm, 8 1/8" = 196mm, 8 1/4" = 199mm, 8 3/8" = 202mm, 8 1/2" = 205mm, 8 5/8" = 208mm, 8 3/4" = 211mm, 8 7/8" = 214mm, 9" = 219mm, 9 1/8" = 222mm, 9 1/4" = 225mm, 9 3/8" = 228mm, 9 1/2" = 231mm, 9 5/8" = 234mm, 9 3/4" = 237mm, 9 7/8" = 240mm, 10" = 243mm, 10 1/8" = 246mm, 10 1/4" = 249mm, 10 3/8" = 252mm, 10 1/2" = 255mm, 10 5/8" = 258mm, 10 3/4" = 261mm, 10 7/8" = 264mm, 11" = 268mm, 11 1/8" = 271mm, 11 1/4" = 274mm, 11 3/8" = 277mm, 11 1/2" = 280mm, 11 5/8" = 283mm, 11 3/4" = 286mm, 11 7/8" = 289mm, 12" = 293mm, 12 1/8" = 296mm, 12 1/4" = 299mm, 12 3/8" = 302mm, 12 1/2" = 305mm, 12 5/8" = 308mm, 12 3/4" = 311mm, 12 7/8" = 314mm, 13" = 319mm, 13 1/8" = 322mm, 13 1/4" = 325mm, 13 3/8" = 328mm, 13 1/2" = 331mm, 13 5/8" = 334mm, 13 3/4" = 337mm, 13 7/8" = 340mm, 14" = 343mm, 14 1/8" = 346mm, 14 1/4" = 349mm, 14 3/8" = 352mm, 14 1/2" = 355mm, 14 5/8" = 358mm, 14 3/4" = 361mm, 14 7/8" = 364mm, 15" = 368mm, 15 1/8" = 371mm, 15 1/4" = 374mm, 15 3/8" = 377mm, 15 1/2" = 380mm, 15 5/8" = 383mm, 15 3/4" = 386mm, 15 7/8" = 389mm, 16" = 393mm, 16 1/8" = 396mm, 16 1/4" = 399mm, 16 3/8" = 402mm, 16 1/2" = 405mm, 16 5/8" = 408mm, 16 3/4" = 411mm, 16 7/8" = 414mm, 17" = 419mm, 17 1/8" = 422mm, 17 1/4" = 425mm, 17 3/8" = 428mm, 17 1/2" = 431mm, 17 5/8" = 434mm, 17 3/4" = 437mm, 17 7/8" = 440mm, 18" = 443mm, 18 1/8" = 446mm, 18 1/4" = 449mm, 18 3/8" = 452mm, 18 1/2" = 455mm, 18 5/8" = 458mm, 18 3/4" = 461mm, 18 7/8" = 464mm, 19" = 468mm, 19 1/8" = 471mm, 19 1/4" = 474mm, 19 3/8" = 477mm, 19 1/2" = 480mm, 19 5/8" = 483mm, 19 3/4" = 486mm, 19 7/8" = 489mm, 20" = 493mm, 20 1/8" = 496mm, 20 1/4" = 499mm, 20 3/8" = 502mm, 20 1/2" = 505mm, 20 5/8" = 508mm, 20 3/4" = 511mm, 20 7/8" = 514mm, 21" = 519mm, 21 1/8" = 522mm, 21 1/4" = 525mm, 21 3/8" = 528mm, 21 1/2" = 531mm, 21 5/8" = 534mm, 21 3/4" = 537mm, 21 7/8" = 540mm, 22" = 543mm, 22 1/8" = 546mm, 22 1/4" = 549mm, 22 3/8" = 552mm, 22 1/2" = 555mm, 22 5/8" = 558mm, 22 3/4" = 561mm, 22 7/8" = 564mm, 23" = 568mm, 23 1/8" = 571mm, 23 1/4" = 574mm, 23 3/8" = 577mm, 23 1/2" = 580mm, 23 5/8" = 583mm, 23 3/4" = 586mm, 23 7/8" = 589mm, 24" = 593mm, 24 1/8" = 596mm, 24 1/4" = 599mm, 24 3/8" = 602mm, 24 1/2" = 605mm, 24 5/8" = 608mm, 24 3/4" = 611mm, 24 7/8" = 614mm, 25" = 619mm, 25 1/8" = 622mm, 25 1/4" = 625mm, 25 3/8" = 628mm, 25 1/2" = 631mm, 25 5/8" = 634mm, 25 3/4" = 637mm, 25 7/8" = 640mm, 26" = 643mm, 26 1/8" = 646mm, 26 1/4" = 649mm, 26 3/8" = 652mm, 26 1/2" = 655mm, 26 5/8" = 658mm, 26 3/4" = 661mm, 26 7/8" = 664mm, 27" = 668mm, 27 1/8" = 671mm, 27 1/4" = 674mm, 27 3/8" = 677mm, 27 1/2" = 680mm, 27 5/8" = 683mm, 27 3/4" = 686mm, 27 7/8" = 689mm, 28" = 693mm, 28 1/8" = 696mm, 28 1/4" = 699mm, 28 3/8" = 702mm, 28 1/2" = 705mm, 28 5/8" = 708mm, 28 3/4" = 711mm, 28 7/8" = 714mm, 29" = 719mm, 29 1/8" = 722mm, 29 1/4" = 725mm, 29 3/8" = 728mm, 29 1/2" = 731mm, 29 5/8" = 734mm, 29 3/4" = 737mm, 29 7/8" = 740mm, 30" = 743mm, 30 1/8" = 746mm, 30 1/4" = 749mm, 30 3/8" = 752mm, 30 1/2" = 755mm, 30 5/8" = 758mm, 30 3/4" = 761mm, 30 7/8" = 764mm, 31" = 768mm, 31 1/8" = 771mm, 31 1/4" = 774mm, 31 3/8" = 777mm, 31 1/2" = 780mm, 31 5/8" = 783mm, 31 3/4" = 786mm, 31 7/8" = 789mm, 32" = 793mm, 32 1/8" = 796mm, 32 1/4" = 799mm, 32 3/8" = 802mm, 32 1/2" = 805mm, 32 5/8" = 808mm, 32 3/4" = 811mm, 32 7/8" = 814mm, 33" = 819mm, 33 1/8" = 822mm, 33 1/4" = 825mm, 33 3/8" = 828mm, 33 1/2" = 831mm, 33 5/8" = 834mm, 33 3/4" = 837mm, 33 7/8" = 840mm, 34" = 843mm, 34 1/8" = 846mm, 34 1/4" = 849mm, 34 3/8" = 852mm, 34 1/2" = 855mm, 34 5/8" = 858mm, 34 3/4" = 861mm, 34 7/8" = 864mm, 35" = 868mm, 35 1/8" = 871mm, 35 1/4" = 874mm, 35 3/8" = 877mm, 35 1/2" = 880mm, 35 5/8" = 883mm, 35 3/4" = 886mm, 35 7/8" = 889mm, 36" = 893mm, 36 1/8" = 896mm, 36 1/4" = 899mm, 36 3/8" = 902mm, 36 1/2" = 905mm, 36 5/8" = 908mm, 36 3/4" = 911mm, 36 7/8" = 914mm, 37" = 919mm, 37 1/8" = 922mm, 37 1/4" = 925mm, 37 3/8" = 928mm, 37 1/2" = 931mm, 37 5/8" = 934mm, 37 3/4" = 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1/2" = 1655mm, 66 5/8" = 1658mm, 66 3/4" = 1661mm, 66 7/8" = 1664mm, 67" = 1668mm, 67 1/8" = 1671mm, 67 1/4" = 1674mm, 67 3/8" = 1677mm, 67 1/2" = 1680mm, 67 5/8" = 1683mm, 67 3/4" = 1686mm, 67 7/8" = 1689mm, 68" = 1693mm, 68 1/8" = 1696mm, 68 1/4" = 1699mm, 68 3/8" = 1702mm, 68 1/2" = 1705mm, 68 5/8" = 1708mm, 68 3/4" = 1711mm, 68 7/8" = 1714mm, 69" = 1719mm, 69 1/8" = 1722mm, 69 1/4" = 1725mm, 69 3/8" = 1728mm, 69 1/2" = 1731mm, 69 5/8" = 1734mm, 69 3/4" = 1737mm, 69 7/8" = 1740mm, 70" = 1743mm, 70 1/8" = 1746mm, 70 1/4" = 1749mm, 70 3/8" = 1752mm, 70 1/2" = 1755mm, 70 5/8" = 1758mm, 70 3/4" = 1761mm, 70 7/8" = 1764mm, 71" = 1768mm, 71 1/8" = 1771mm, 71 1/4" = 1774mm, 71 3/8" = 1777mm, 71 1/2" = 1780mm, 71 5/8" = 1783mm, 71 3/4" = 1786mm, 71 7/8" = 1789mm, 72" = 1793mm, 72 1/8" = 1796mm, 72 1/4" = 1799mm, 72 3/8" = 1802mm, 72 1/2" = 1805mm, 72 5/8" = 1808mm, 72 3/4" = 1811mm, 72 7/8" = 1814mm, 73" = 1819mm, 73 1/8" = 1822mm, 73 1/4" = 1825mm, 73 3/8" = 1828mm, 73 1/2" = 1831mm, 73 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7/8" = 2189mm, 88" = 2193mm, 88 1/8" = 2196mm, 88 1/4" = 2199mm, 88 3/8" = 2202mm, 88 1/2" = 2205mm, 88 5/8" = 2208mm, 88 3/4" = 2211mm, 88 7/8" = 2214mm, 89" = 2219mm, 89 1/8" = 2222mm, 89 1/4" = 2225mm, 89 3/8" = 2228mm, 89 1/2" = 2231mm, 89 5/8" = 2234mm, 89 3/4" = 2237mm, 89 7/8" = 2240mm, 90" = 2243mm, 90 1/8" = 2246mm, 90 1/4" = 2249mm, 90 3/8" = 2252mm, 90 1/2" = 2255mm, 90 5/8" = 2258mm, 90 3/4" = 2261mm, 90 7/8" = 2264mm, 91" = 2268mm, 91 1/8" = 2271mm, 91 1/4" = 2274mm, 91 3/8" = 2277mm, 91 1/2" = 2280mm, 91 5/8" = 2283mm, 91 3/4" = 2286mm, 91 7/8" = 2289mm, 92" = 2293mm, 92 1/8" = 2296mm, 92 1/4" = 2299mm, 92 3/8