GENERAL NOTES

COLD-FORMED STRUCTURAL STEEL AFTER FABRICATION PER SPEC. 3300. GALVANIZE STRUCTURAL STEEL AFTER FABRICATION PER SPEC. 3306 OR SPEC. 3309. PROVIDE STRUCTURAL STEEL PER SPEC. 3300 OR SPEC. 3309.

STRAIGHTEN EXPANSION DEVICES TO A TOLERANCE OF 1/16 IN 10 FT.

1) ONLY 1/8" FLATHEAD CAP SCREW WITH 3/16" SQUARE OR HEX SOCKET PER SPEC. 3300. COUNTERSINK CROWN BREAKS IN 10 FT. OR MORE IN LENGTH.

APPLY BRIDGE BEARING LUBRICANT PER MnDOT APPROVED PRODUCTS LIST TO SCREW THREADS.

PAYMENT LENGTH IS BASED ON THE HORIZONTAL DISTANCE BETWEEN THE OUTSIDE EDGES OF THE DECK MEASURED ALONG THE CENTERLINE OF JOINT.

1) DIMENSIONS ARE ALONG CENTERLINE OF JOINT.

2) AT 45° IN, AT 90°, 2° AT ALL TEMPS.

3) 1/8" MAX. WHEN SNOWPLOW FINGERS ARE USED.flare PLATE AND BOLT EMBED THREADS 1/16".

4) SEE SUPERSTRUCTURE DETAILS FOR RADIUS.

5) PLACE BAR-ROD NORMAL TO JOINT ON NEW BRIDGES AND JOINT REPLACEMENTS. ON JOINT REPLACEMENTS WHEN SHEER IS OVER 10° AND LESS THAN 10°, PLACE BAR-ROD PARALLEL TO EDGE OF ROADWAY.

6) PROVIDE SMOOTH CONCRETE FINISH BENEATH PLATE WITH DUSTY CONCRETE AND UNDERPLATE. PROVIDE BOND BREAKER (DUCT TAPE, ETC.) TO UNDERSIDE OF COVER PLATE.

7) LUBRICANT PER MnDOT APPROVED/QUALIFIED PRODUCTS LIST: BRIDGE GREASE.

8) PROVIDE FIELD FIT DETAIL "A" AT ROADWAY.

9) PROVIDE FIELD FIT DETAIL "B" AT ROADWAY.

10) PROVIDED DETAIL "C" AT ROADWAY.

11) PROVIDED DETAIL "D" ALONG JOINT.

12) PROVIDED DETAIL "E" ALONG JOINT.

13) PROVIDED DETAIL "F" ALONG JOINT.

14) PROVIDED DETAIL "G" ALONG JOINT.

15) PROVIDED DETAIL "H" ALONG JOINT.

16) PROVIDED DETAIL "I" ALONG JOINT.

17) PROVIDED DETAIL "J" ALONG JOINT.

18) PROVIDED DETAIL "K" ALONG JOINT.

19) PROVIDED DETAIL "L" ALONG JOINT.

20) PROVIDED DETAIL "M" ALONG JOINT.

21) PROVIDED DETAIL "N" ALONG JOINT.

22) PROVIDED DETAIL "O" ALONG JOINT.

23) PROVIDED DETAIL "P" ALONG JOINT.

24) PROVIDED DETAIL "Q" ALONG JOINT.

25) PROVIDED DETAIL "R" ALONG JOINT.

26) PROVIDED DETAIL "S" ALONG JOINT.

27) PROVIDED DETAIL "T" ALONG JOINT.

28) PROVIDED DETAIL "U" ALONG JOINT.

29) PROVIDED DETAIL "V" ALONG JOINT.

30) PROVIDED DETAIL "W" ALONG JOINT.

31) PROVIDED DETAIL "X" ALONG JOINT.

32) PROVIDED DETAIL "Y" ALONG JOINT.

33) PROVIDED DETAIL "Z" ALONG JOINT.

34) PROVIDED DETAIL "AA" ALONG JOINT.

35) PROVIDED DETAIL "BB" ALONG JOINT.

36) PROVIDED DETAIL "CC" ALONG JOINT.

37) PROVIDED DETAIL "DD" ALONG JOINT.

38) PROVIDED DETAIL "EE" ALONG JOINT.

39) PROVIDED DETAIL "FF" ALONG JOINT.

40) PROVIDED DETAIL "GG" ALONG JOINT.

41) PROVIDED DETAIL "HH" ALONG JOINT.

42) PROVIDED DETAIL "II" ALONG JOINT.

43) PROVIDED DETAIL "JJ" ALONG JOINT.

44) PROVIDED DETAIL "KK" ALONG JOINT.

45) PROVIDED DETAIL "LL" ALONG JOINT.

46) PROVIDED DETAIL "MM" ALONG JOINT.

47) PROVIDED DETAIL "NN" ALONG JOINT.

48) PROVIDED DETAIL "OO" ALONG JOINT.

49) PROVIDED DETAIL "PP" ALONG JOINT.

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51) PROVIDED DETAIL "RR" ALONG JOINT.

52) PROVIDED DETAIL "SS" ALONG JOINT.

53) PROVIDED DETAIL "TT" ALONG JOINT.

54) PROVIDED DETAIL "UU" ALONG JOINT.

55) PROVIDED DETAIL "VV" ALONG JOINT.

56) PROVIDED DETAIL "WW" ALONG JOINT.