

```

1198 | Section Properties: (Unit: CM )
1199 | AXX: 50.500E+00 IZZ: 18.482E+03 RZZ: 19.131E+00
1200 | AYY: 22.500E+00 IYY: 715.052E+00 RYY: 3.763E+00
1201 | AZZ: 28.000E+00 IXX: 7.848E+00 CW: 374.735E+03
1202 | ZEZ: 793.212E+00 ZPZ: 894.325E+00
1203 | ZEY: 81.720E+00 ZPY: 125.313E+00
1204 | -----
1205 | Slenderness Check: (Unit: KN METE)
1206 | Actual Length: 3.048E+00
1207 | Parameters: LZ: 11.160E+00 LY: 1.500E+00
1208 | KZ: 1.200 KY: 1.000
1209 | Actual Ratio: 70.00 Allowable Ratio: 180.00 LOAD: 101 FX: 16.278E+00 C
1210 | -----
1211 | Section Class: Semi-Compact; Flange Class: Semi-Compact; Web Class: Compact
1212 | -----
1213 | STAAD PLANE -- PAGE NO. 25
1214 | ** GENERATED BY STAADGEN VER.2.0
1215 |
1216 | STAAD.PRO CODE CHECKING - IS-800-2007-LSD (V2.1)
1217 | *****
1218 |
1219 | -----
1220 | Member Number: 4
1221 | Member Section: TAP ERED (INDIAN SECTIONS)
1222 | -----
1223 | Tension: (Unit: KN METE)
1224 | Parameters: FYLD: 350.000E+03 FU: 490.000E+03
1225 | NSF: 1.000 ALPHA: 0.800
1226 | Yielding : Design Force: 93.788E+00 LC: 114
1227 | Capacity: 1.607E+03 As per: Sec. 6.2
1228 | Rupture : Design Force: 93.788E+00 LC: 114
1229 | Capacity: 1.584E+03 As per: Sec. 6.3
1230 | -----
1231 | Compression: (Unit: KN METE)
1232 | Buckling Class: Major: b Minor: c As per: Cl. 7.1.2.2
1233 | Major Axis: Design Force: 61.394E+00 LC: 102 Loc: 0.000
1234 | Capacity: 1.041E+03 As per: Sec. 7.1.2
1235 | Minor Axis: Design Force: 61.394E+00 LC: 102 Loc: 0.000
1236 | Capacity: 1.333E+03 As per: Sec. 7.1.2
1237 | -----
1238 | Shear: (Unit: KN )
1239 | Major Axis: Design Force: 0.000E+00 LC: 0 Loc: 0.000
1240 | Capacity: 311.505E+00 As per: Sec. 8.4
1241 | Minor Axis: Design Force: 28.497E+00 LC: 134 Loc: 0.000
1242 | Capacity: 250.317E+00 As per: Sec. 8.4
1243 | -----
1244 | Bending: (Unit: KN METE)
1245 | Parameters: Laterally Unsupported KX: 1.00 LX: 1.800E+00 General
1246 | Major Axis: Design Force: 138.359E+00 LC: 110 Loc: 0.000
1247 | Capacity: 173.171E+00 As per: Sec. 8.2.2
1248 | Minor Axis: Design Force: 0.000E+00 LC: 0 Loc: 0.000
1249 | Capacity: 26.002E+00 As per: Sec. 8.2.1.2

```