



FUEFUR - 230/x103 = 68-5/1/mm2 = (Pyw2-39 cr2+062)12-06= = (217-42-3(50.00+47-22)1/2-47-2=157-4 2(1-25+[1+(125)2 = 78 5N/mm2 = 50-4 + 1557-4 Als is Ok against Perding 149 - 075x 2400 x217-4 (1-50-4) 0= (68-5-50-4) =2814hm Ref = Hq = 28/4 - 1407hm Av=6xa=13x3000=39000mm Pr=0-6Pyn Ay = 0-6 x 277 4 x39= 508 7-16LW REFLA Saction is Ole Check For manigat capachy or and Panel MLF = 119 = = 2846 \$26000 ×10-3 = 675-4hrm 10 10 a -3000 =1500 2 2 - 163+1 X14 ×8000° = 3150×107mm mg = 3/6 = 3150×107 × (217-6×10-6)=4565km/m

Section Als is Ok Design of Stiffences Lood bearing of Stiffeness A Mas Shear Parce = 231hr Perce(File) Luck's moment Mer-Fin = Inte = 675-4 × 103 = 225 km 3000 Johal Compression-Fe = Fb + Fm= 2301+225 = 2526kN Area of Stiff (A) show'd be steaker him 0-8 Pc = 0-8 × 7526 × 163 = 9795 mm2 Fry Storress SITE OF 2 Plats OF SIZE 240x25 mm Unich Allowing 15mm Bo cope for held / floore weld A = 225×25×2 = 11250 mm 7 9295 mm Bocary Oredals OK lack for Out Stand aylestends be 240 mm - 20tse 320 x25 x1-84 = 520 65 = 240 mm 6 13-768 = 13-7 x25 x1-04 = 356-2 Epilerma 15 Scholied Cheding Stiffer For budling 12=25×4933 - 42 ×25×133 =24963×104 mm Ac = Efficie crea = 240 x25 x2 = 12000 mm 105 = (24963×104)0-5 = 144-2 mm 12000 Since Florge is restrained anginst rotation c = 0-7(= 0-7x2400 = 168 Gmm = 1680 = 11-65 rx 144-2 Buding resistance of Shiffness Pc= (4 Ag = 250x12000x10= 2609 km 1-15 Fc CPc (2526/ 2609) Stoffner is safe appairs & Budling.

bigging A as aborny Stiffener Assume Stiff Bearing length bi =0 61+m) 6 pym +300)+13x(217-4)x163=848km CA = FC - PCHP = 2526-848 = 1678 km Bearing Capacly Of Stiffener alone Pa=Rys×A 217-4×12000×163=2609hm FA (Pa (1678 (2609) The designed Stiffener is the lovering: Stoffmar A = 2 Plats 240 max 25 mm by ch Design For Informatide Stifferer alB MIMIMU SHIFFEDER 5 > 0-75d63 for a >/d/2 5 > 1-8d63 for a </d> F2 = 2804m - RC J2 - 1-5° × 2400° ×13° = 506×10° mm 30002 Try 90 mm > 12 m CP2. Flob

Plan provided = 12 × 1933 - 12 × 133 = 730 × 10 mm Section is ok Check for Outstand O alo Stand OF the Stiffer & T3-7886 7058 = 13-7 X13X 104 = 185 - 224 outstand = 90mm (90 618-5-224) Section is Ok GEIFTER FORCE FOR= V-VS 2 Shearford V2 - yor of web

1000 = 900 dt = 43-6x 2600 x 12 x 10-3 = 1354-08 his Shear Force at B. VB = 2301 - (2301-1585-5x300/2000)=20625km Charas force for = 2062-5-1856-08 = 768-42 Budina Registera at intermedite Streener Out B 206m - 2043260mm La=1/12×12×1933 + 530×133 - 12×133 =725×104 mmt a = 0-7×2400 = 1680 1=6 = 1680 = 62-2 = (1823/1-15) × 10000 × 10-3= 1585-5 hm Internatate Stiffener at D Catigran & biodad to Contanal bad Usa 2 Hals gomm X 12mm thich Buding Chechsz Ly-Fox + Fox + Ms &1 V-VS = V=1585-5ky Vs = Vor = 9 crdL = 43-4x \$2000x14x163 167c=8-70/W 231210 -870 +870 6d - 7.0 51 Spack on & ok Usa Plats, gomm x 12 pm thich Wab Chada between Still Peners Fad < pad Fal=W/6=79-5=6-1N/nyn2 When Compression Henge is tostand against totation rated to the web

