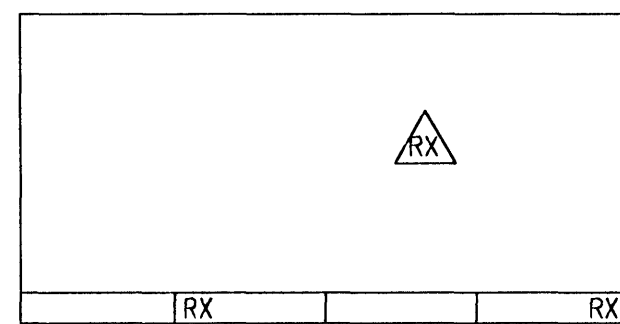


GENERAL NOTES

- Elevations are in metres
- Stands for elevation 0,000 m on sections
- Stands for elevation 0,000 m on plans
- All dimensions shown are mm
- Indicates thickness of wall or slab 200 mm
- Detail no. 12
- Indicates location of section
- Shown on DWG no. 105
- Indicates a construction joint. Water bar on outside of construction joint 50x50mm.
- Revision no X shown on drawing:



GENERAL NOTES FOR CONCRETE

- Concrete production.: see specification.
- Concrete quality will be specified on relevant drawing.
- Drawings will show where special concrete finishes are required.
- Unformed surfaces
 - U1 Screeded finish
 - U2 Floated finish
 - U3 Steel trowel finish
- Compressive strength will be determined by testing standard 150x300 mm cylinders in accordance with ENV 206: 1990.
- Test cylinders shall be made and cured in accordance with ENV 206: 1990.
- Concrete consistence will be measured by the slump method. Slump classes are thus defined:

| Slump Class | Slump mm |
|-------------|----------|
| S1 | 10-40 |
| S2 | 50-90 |
| S3 | 100-150 |
| S4 | > 160 |

The concrete class prescribed for each structural component will be expressed in the form: Caa/bb-cc-Sd-Ax

Where aa is the specified cylinder strength in MPa (ENV 206), bb is the specified cubic strength in MPa (ENV 206), cc is the nominal maximum particle size in mm, and d is the slump class as specified above, Ax indicates if air entrainment is required (Ae) or not (Ao).

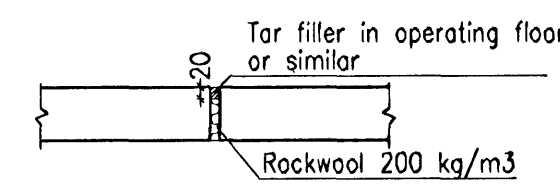
Example: C30/37-38-S2-Ao

GENERAL NOTES FOR REINFORCEMENT

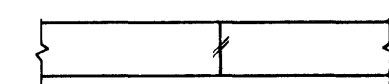
- Ribbed reinforcing bars shall be of the following quality: K500TE (TEMPCORE) according to NS 3570, marked as K Plain bars, marked as R, are of quality Fe 360
- Ribbed bar without endhooks located in far face of a wall, or bottom face of a slab
- Ribbed bar without endhooks located in near face of a wall, or top face of a slab
- Bars d=20 mm, length 6000 mm spacing 200 mm over the distance marked. Steel quality: B500B acc.to ENV 10080
- Stirrup, d=12 mm, spacing 200 mm Steel quality: K500TE (TEMPCORE) acc. to NS 3570
- Bar bent anchorage length into adjoining wall, slab or beam.
- Indicates thickness of construction element and direction of lower level of bars in far face or nearer bars in near face.

Concrete cover for reinforcement, general (tolerances acc. to FSENV1992)
 Bottom face in foundations 50 mm
 Outside surface: 40 mm
 Other surfaces 30 mm

EXPANSION JOINTS (EJ)

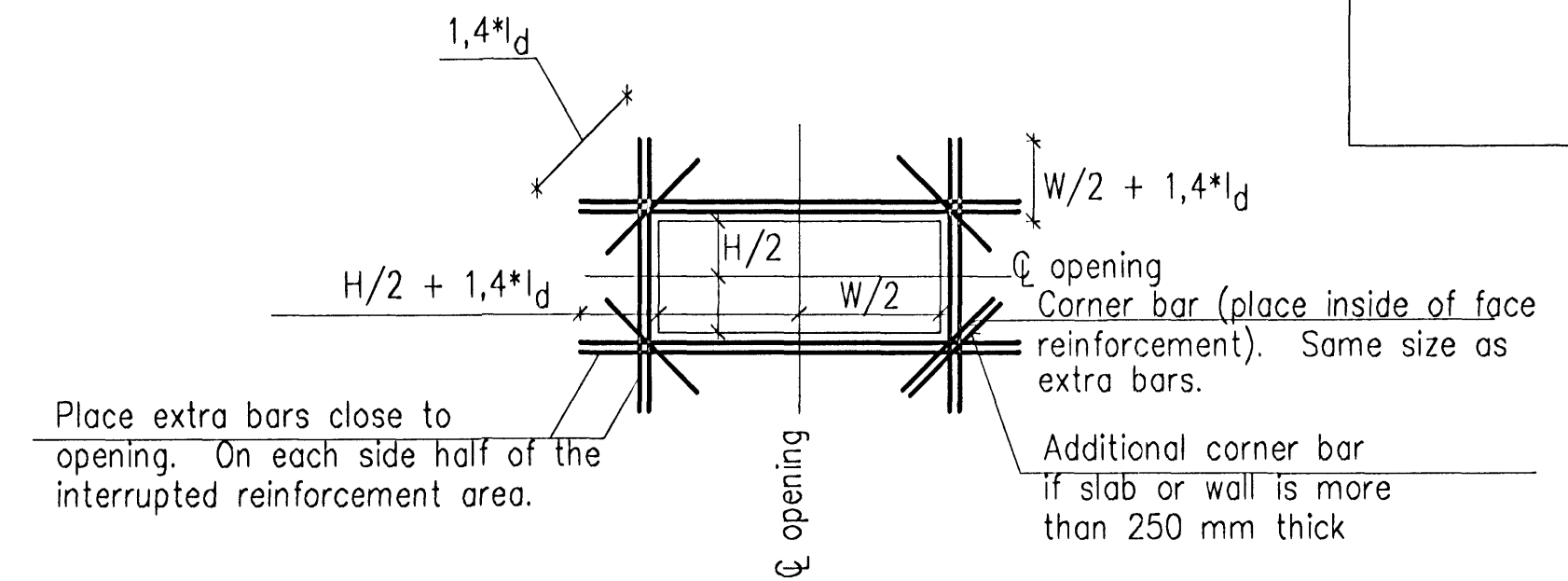


CONTRACTION JOINTS (CJ)



REINFORCEMENT AROUND OPENINGS

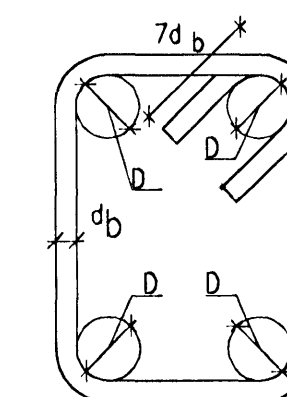
(if not shown otherwise)



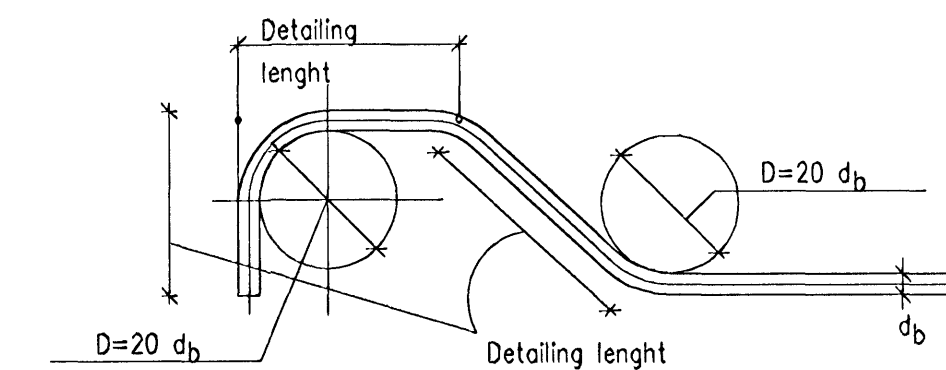
Anchorage length, l_d , is equal to the lap length for compression bars, see table below.

REINFORCEMENT STIRRUPS

$D=3 d_b$ or diameter of enclosed bar



REINFORCEMENT BENDING

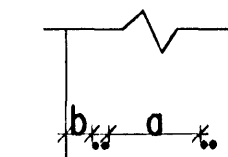


LAP LENGTHS

Minimum lap lengths. C30/37 concrete. High bond bars, $f_y=500MPa$. Not for bundled bars.

| Diameter | Lap length, mm | | |
|----------|------------------|----------|----------|
| | Compression bars | 1.4*Comp | 2.0*Comp |
| 8 | 290 | 400 | 580 |
| 10 | 360 | 500 | 720 |
| 12 | 435 | 600 | 870 |
| 16 | 580 | 810 | 1160 |
| 18 | 650 | 910 | 1300 |
| 20 | 725 | 1010 | 1450 |
| 25 | 900 | 1260 | 1800 |

- Note:
- Unless otherwise indicated on the drawing, all bars are tension bars.
 - If less than 30% of the tension bars in a section are lapped and $a > 10d$ and $b > 5d$ then compression bar lap length is sufficient.
 - If more than 30% of the tension bars in a section are lapped and $a < 10d$ or $b < 5d$ then 2.0*comp. bar lap length is required.
 - If neither 2 nor 3 apply 1.4*comp. bar lap length is required.



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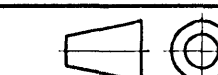
Skýringar:
 Explanations:

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Tekning nr. ISAL
 Ref.drawing no. of ISAL

Samsætning nr. ISAL
 Assembly drawing no. of ISAL



| Fjöldi stúkkja Number of pieces | Hlutur Object | Atriði Item | Efni Material | sg.stk Weight | total í heild Total in total | Althugsendur Remarks |
|------------------------------------|-------------------------------|----------------|------------------|------------------|---|---------------------------|
| IV III II I | POTROOM 3 - Mhl. 97 | | | | Stærð Format A1 | Mkú Scale |
| | RECTIFIER BUILDING, EXTENTION | | | | 4011 | 1189 |
| | REINFORCEMENT GENERAL NOTES | | | | AKS no. | UB 30 |
| | VST | | | | Tekn. nr. / Drawn / 2003.0110 | Drögn. / Drawn / 23.21 |
| | ALCAN PRIMARY METAL EUROPE | | | | Sambýtt / Approved | 1 |
| | ISAL | | | | Drögn. af ISAL / Tekn. nr. ISAL | Breyt./Rev. |
| | IS-222 Hafnarfordur | | | | 186715 | |
| | APRIL 2005 | | | | Yfirfarið og staðfest / Checked and filed | Stöðun heimild / Released |