GENERAL NOTES

Elevations are in metres in Hafnafjordur elevation system

0,00 Stands for elevation 0,00 m on sections

0,00 Stands for elevation 0,00 m on plans

All dimensions shown are either metres or millimetres

(200) Indicates thickness of wall or slab 200 mm

Detail no. 12

12 / 105 Indicates location of section

Shown on DWG no. 105

Indicates a construction joint

Revision no X shown on drawing:

RX		RX

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.

Compressive strength will by determined by testing standard 150x300 mm cylinders in acordance with ÍST EN 206-1:2000.

Test cyliners shall be made and cured in accordance with ÍST EN 206-1:2000.

Executin of concrete structures: ÍST EN 13670-1:2009.

The concrete class prescribed for each structural component will be expressed in the form:

Cbb/cc:XEi-D

Where bb is the specified cyllinder strenght in MPa (ÍST EN 206-1:2000).
cc is the specified cubic strenght in MPa (ÍST EN 206-1:2000).
XEi is the exposure class.
D is the normal maximum particle size in mm,
see standard technical specification.
Ready mix concrete.

Example: C30/37:XF3-38

GENERAL NOTES FOR REINFORCEMENT

Reinforcing bars shall be of the following quality:
B500C comforming to ÍST16:2006, marked as S 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

K20c200-6000 Bars d=20 mm, length 6000 mm spacing 200 mm over the distance marked.

S12c200 Stirrup, d=12 mm, spacing 200 mm

Bar bent anchorage length into adjoining wall, slab or beam.

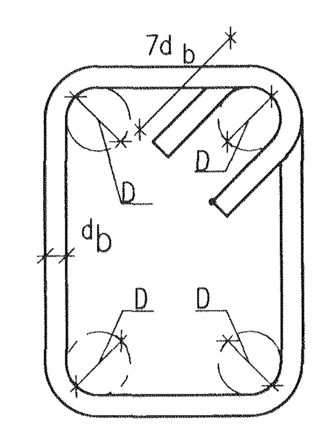
(200) Indicates thickness of construction element and direction of other bars in far face or nearer bars in near face.

Concrete cover for reinforcement (tolerances acc. to FSENV1992)

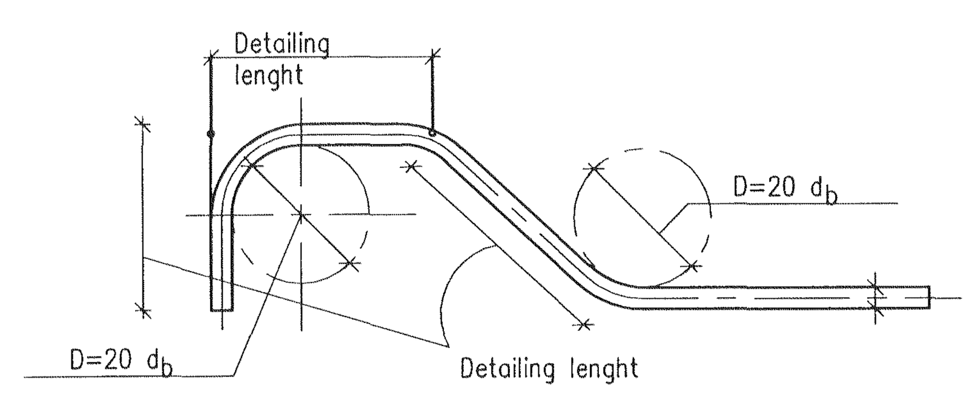
Bottom face in foundations	50 mm
Outside surface	40 mm
Other surfaces	30 mm

REINFORCEMENT STIRRUPS

D=3 d_b or diameter of enclosed bar

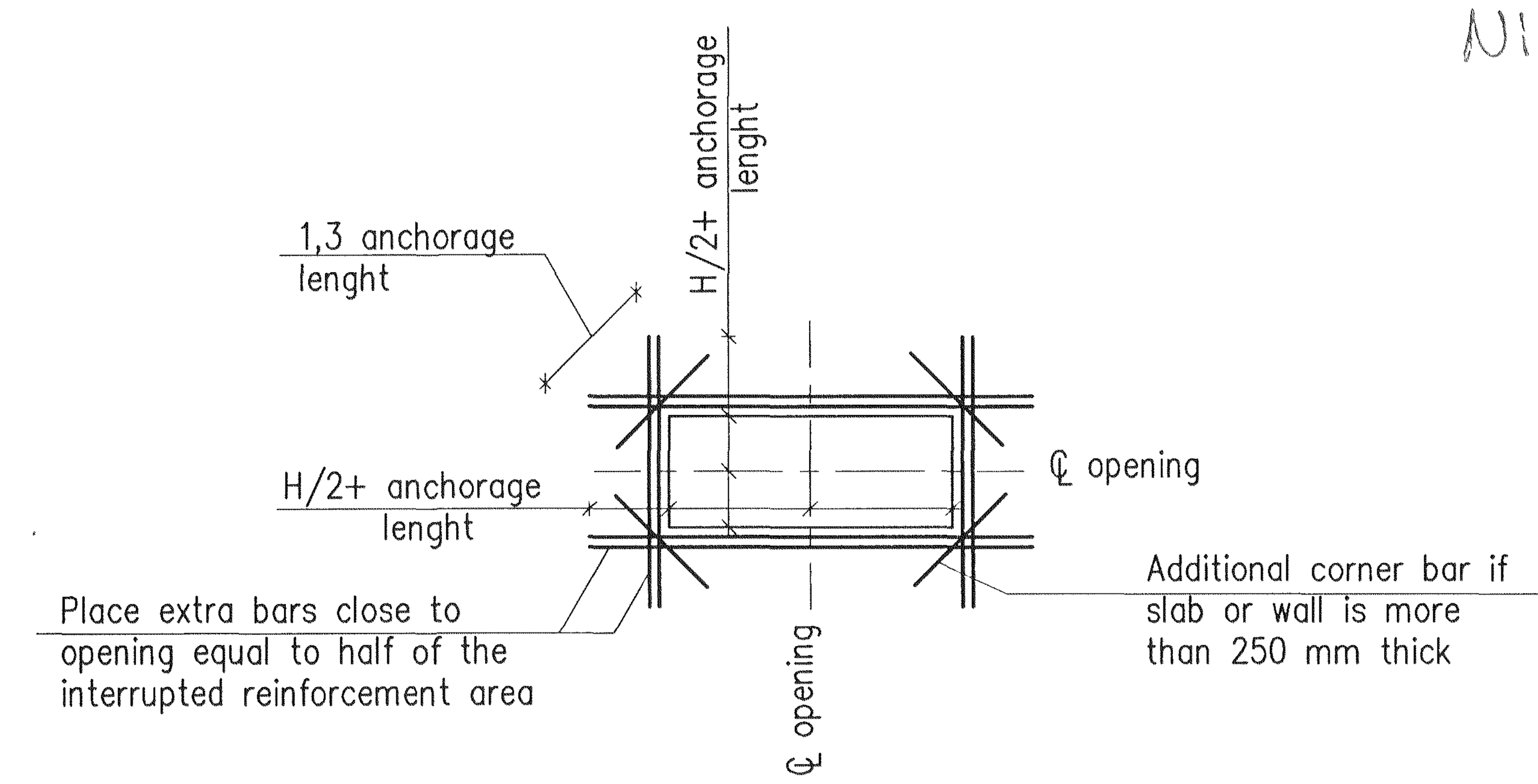


REINFORCEMENT BENDING



REINFORCEMENT AROUND OPENINGS

(if not shown orterwise)



EARTHING

See dwg. no. ICC-611-FA-518-004 and ICC-611-FA-518-005.

Nich Indriðason
NI 130444 3949

Skýringar:
Legend:

Útg.nr / Rev no	Lýsing / Description	Dagsetning / Date	Han/Tkn / Des/Drw	Yfirf / Ckd	Notk heim Suppl Rel	Notk heim ISAL Rel
2	Issue for construction	2011.05.13	HFB/LDB	HjH	ÓS	

Stærð: Format: A1 Mkv.: Scale:

Dimensions without tolerances according to ISO 2768-1 medium.

HRV ENGINEERING

Dagsetning / Date	2011.03.12
Hannað / Designed	HFB
Teikn / Drawn	ÁFV
Verktaki / Supplier	HRV
Teikn.nr.verktaka / Supplier drw.no.	IDP-212-CA-062-001
Sambykkt / Approved	NI
Yfirf / Chkd	HjH
Hluti af: / Part of:	

IPU 212 - SUBSTATION 140
CIVIL WORK
GENERAL NOTES

Teg.teikningar / Dwg. type: FORMWORK

Rio Tinto Alcan
ISAL Alcan Iceland Ltd Straumsvik IS-222 Hafnarfjordur Iceland

Flokkur nr.: | Blað nr.: | Næsta bl.nr.:

Kostn.nr.-Ccno. / Bún.nr.-Eq.no 5090

AKS

Teikn.nr. ISAL /Drw.no. of ISAL | Breyt./Rev. C

ISAL Yfirfarið og skráð, dags / ISAL Checked, date

ISAL Sampykkt, dags / ISAL Approval, date

C:\HRV\IDP\01 IDP\200 - Utilities\210 Electical energy supply\Drawings\Civil\IDP-212-CA-062-001.dwg