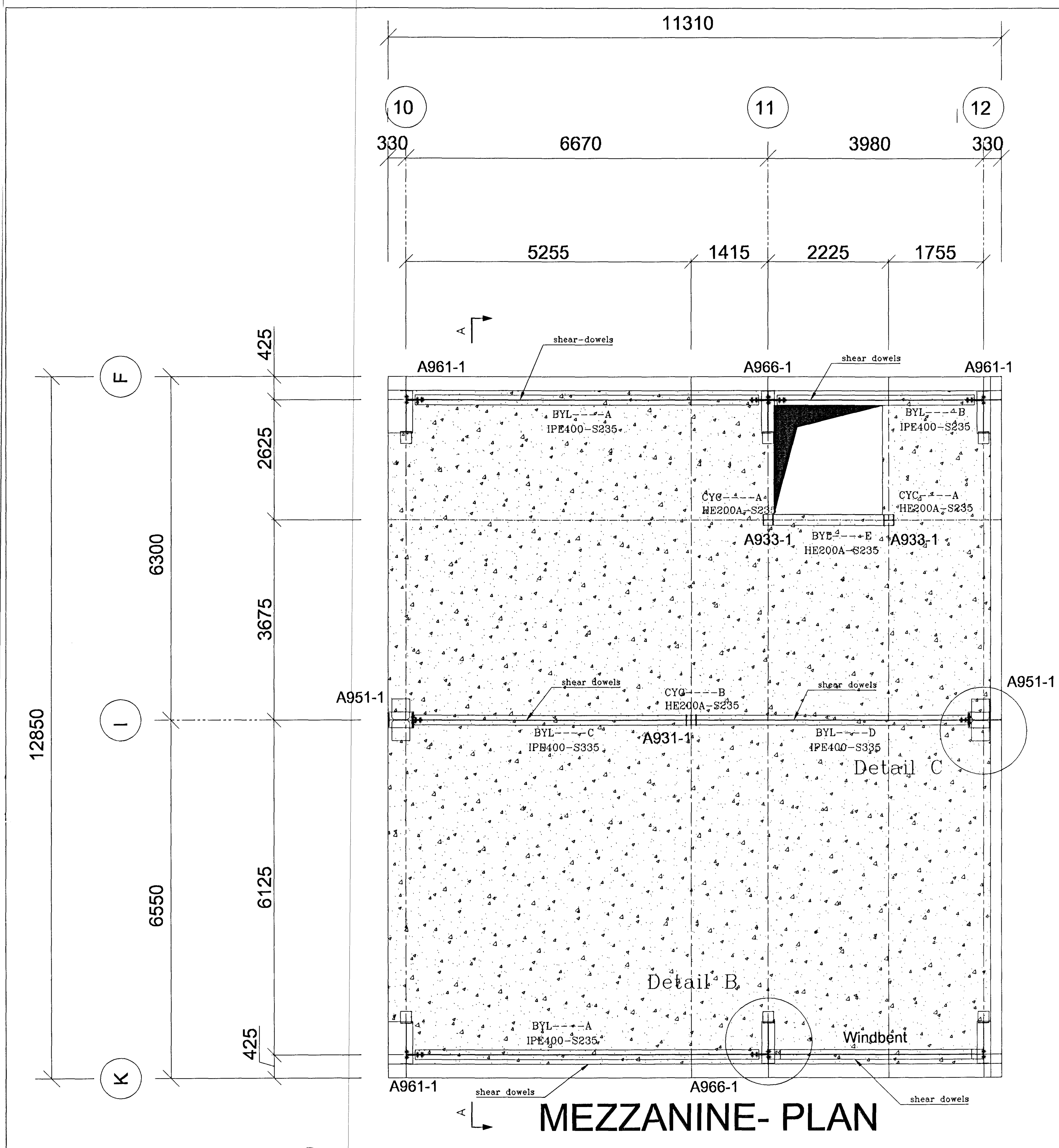
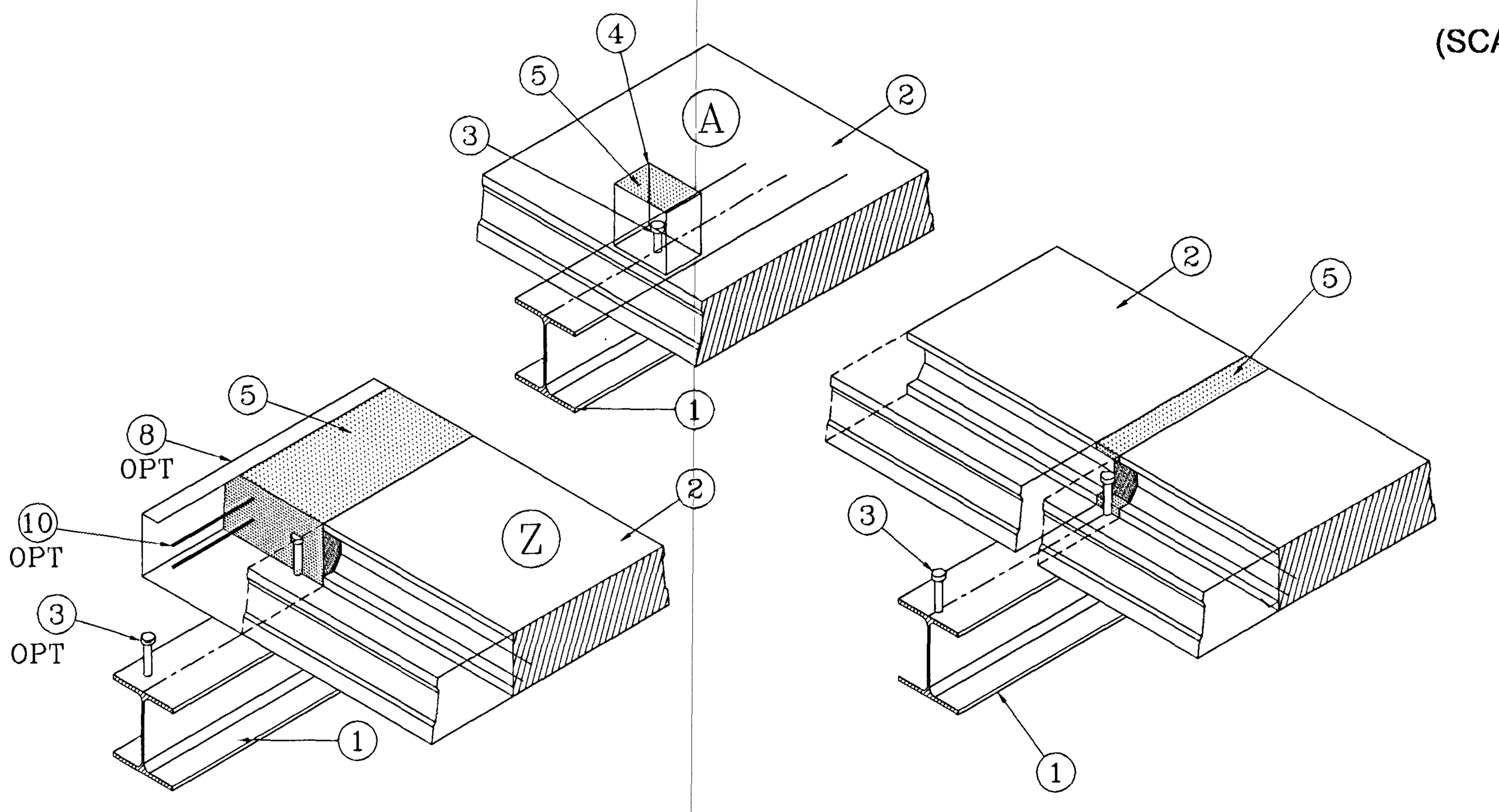
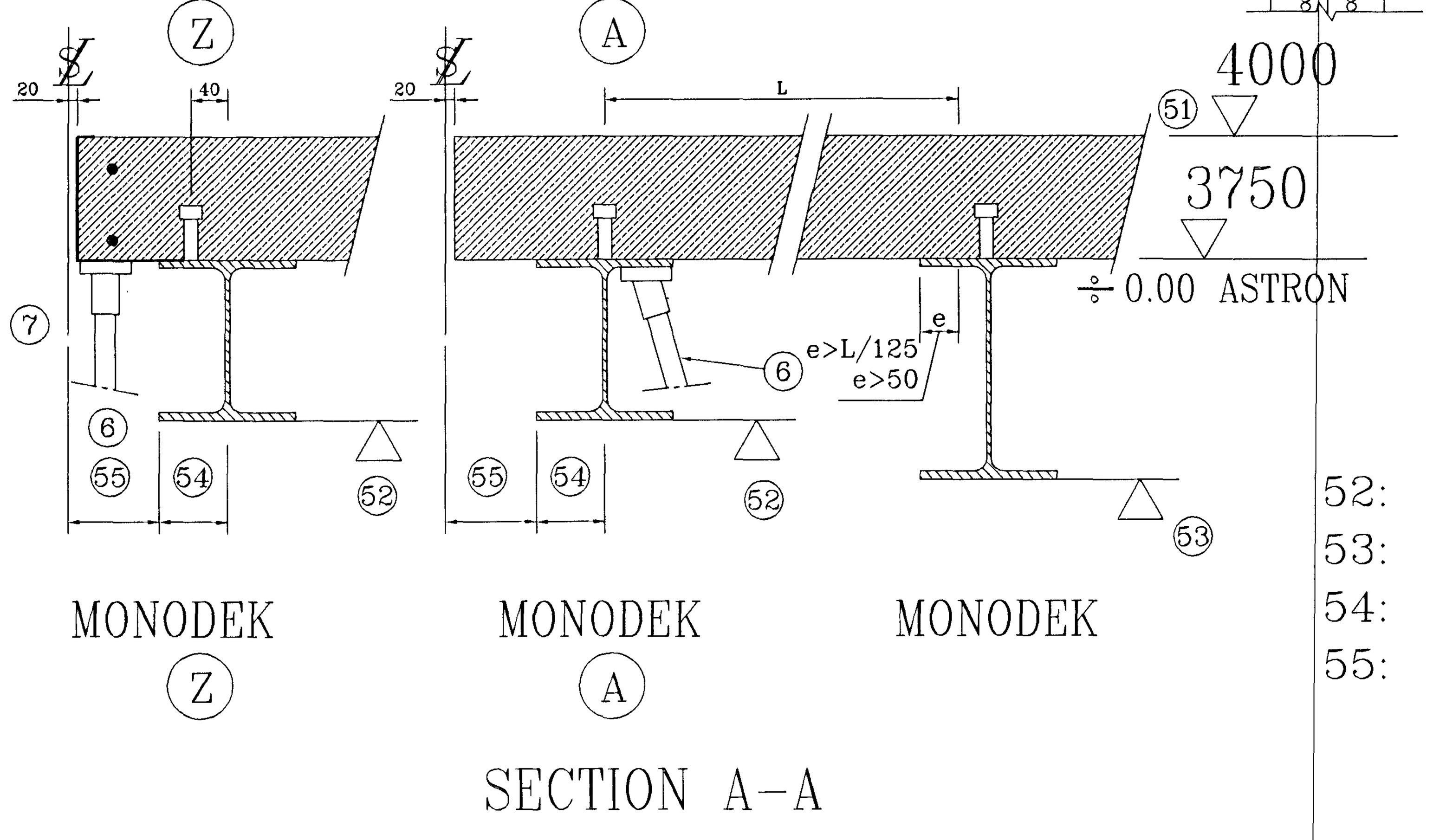


MEZZANINE- PLAN

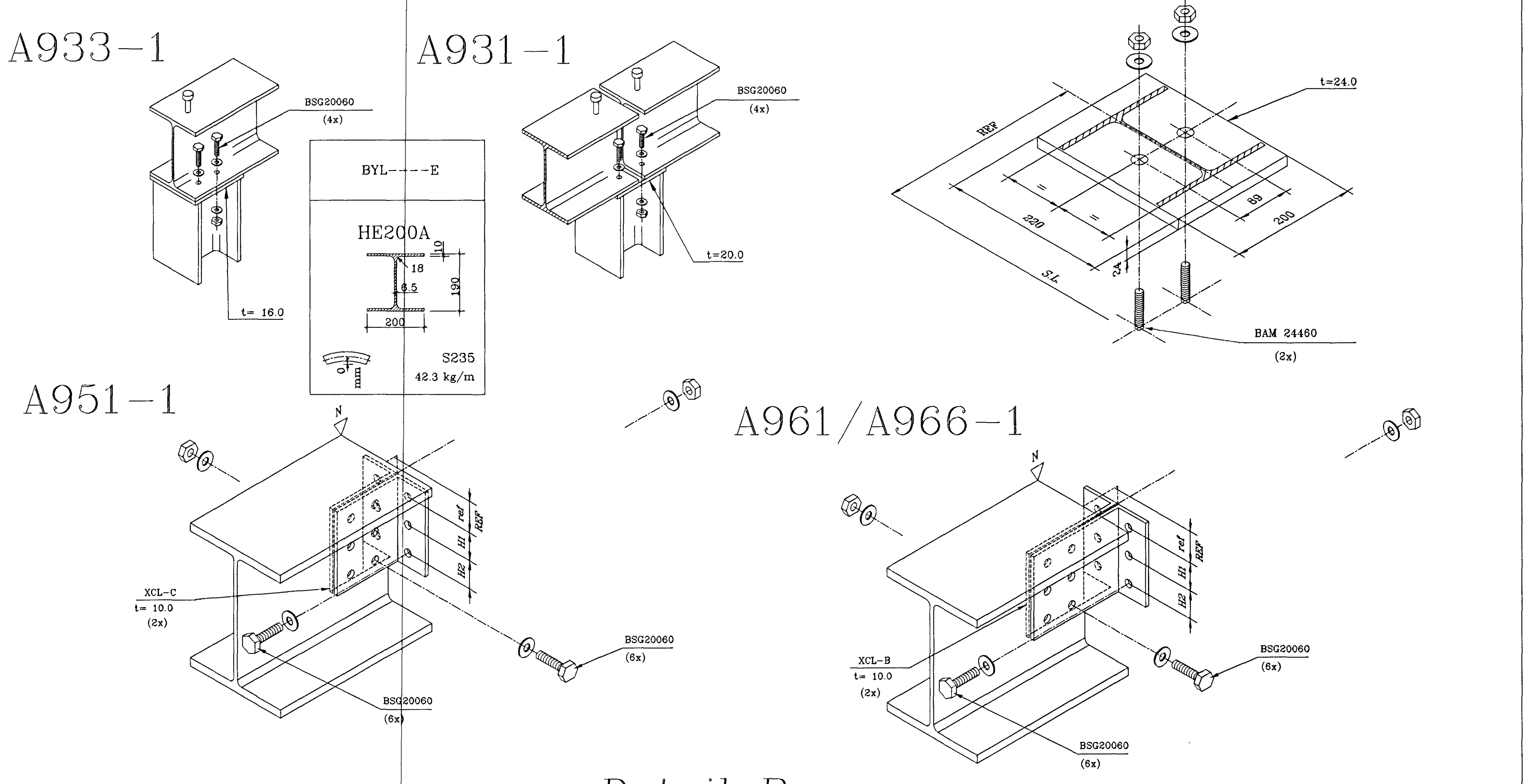
(SCALE:1/100)

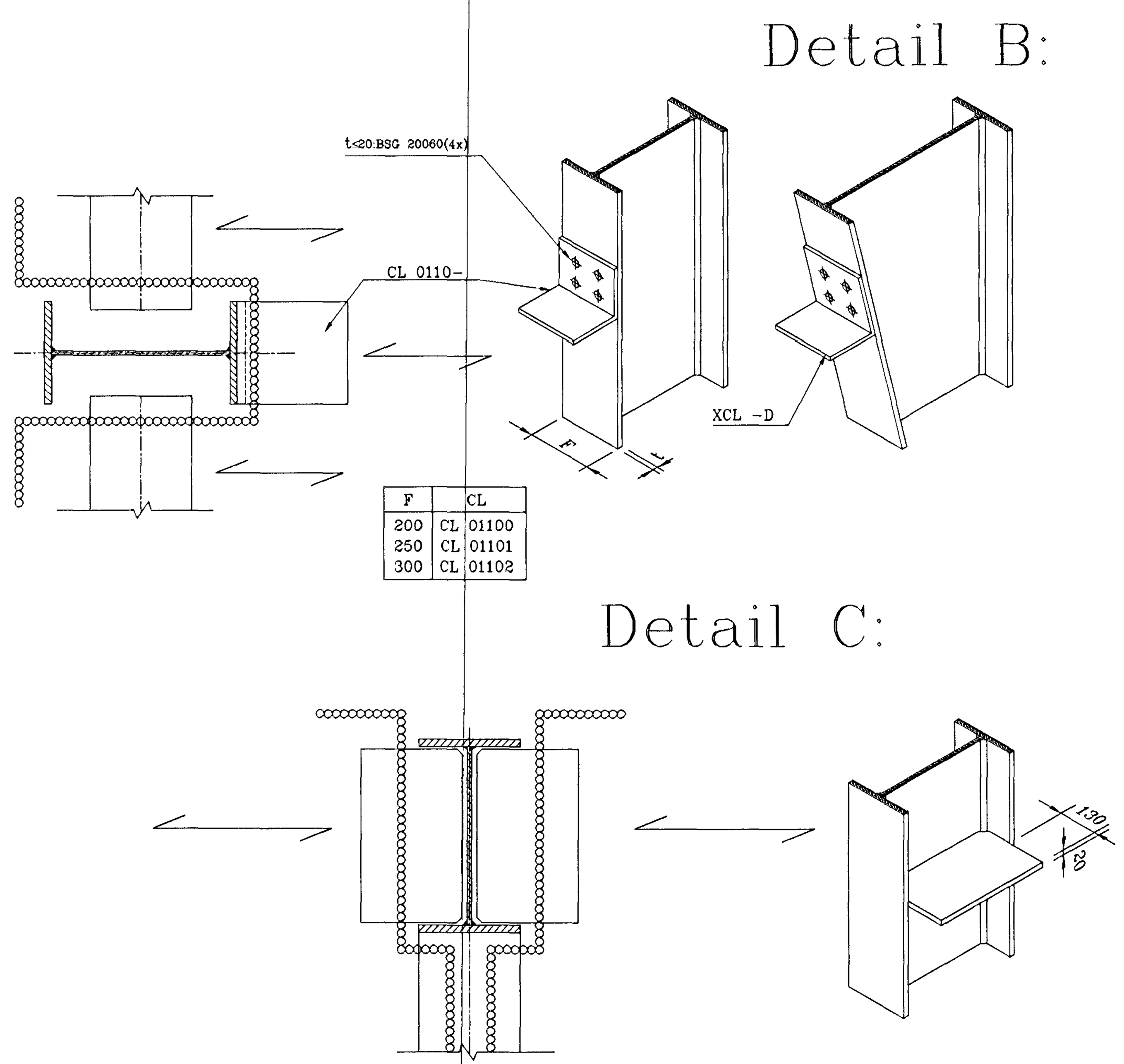




SECTION A-A

52:
53:
54:
55:





F	CL
200	CL 01100
250	CL 01101
300	CL 01102

FORM...MI

HÚS OG RÁÐGJÖF ehf.
ARKITEKTÚR- OG VERKFRÆÐISTOFA
Kt.510393-2529 · Vsk.37600
Skúlagötu 63 · 105 Reykjavík
Sími 562-2420 · Fax 562-2430

Technical notes

Remarks for all types of mezzanines

- position of the mezzanine in the building : see hatched area on the anchor bolt plan
- anchor details of the columns : see anchor bolt plan
- reaction loads from the mezzanine beam through the concrete support (wall,concrete column,...) to be checked by the local engineer
- half torque of bolted connexions : see table

To organise and provide on jobsite by the company who put the concrete

- all shoring (see sketch below)
- all shuttering

Mezzanine with hollow core elements

- As the horizontal loads are transmitted by the mezzanine, the diaphragme action of the mezzanine has to be assured. The global stability of the mezzanine has to be assured by building frames or buildings bracing. The calculation of the diaphragm action is the responsability of the hollow core elements supplier.
- the hollow core elements are installed after the erection and the fitting of the main structure and before the stability of the roof in the area of the mezzanine
- the hollow core elements are installed before the erection of the façades
- the concrete is not supplied by ASTRON
- the concrete must be compacted in order to completly fill the cavities between the hollow core elements and the steel beams.

☐ Supply of hollow corefloor element by ASTRON : Order n°: : case A

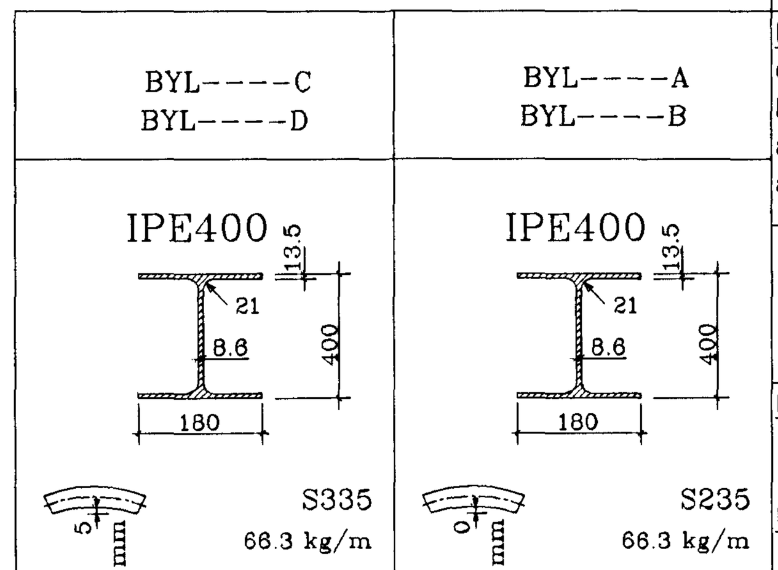
☒ Supply of hollow core floor element not by ASTRON: : case Z

Symbols

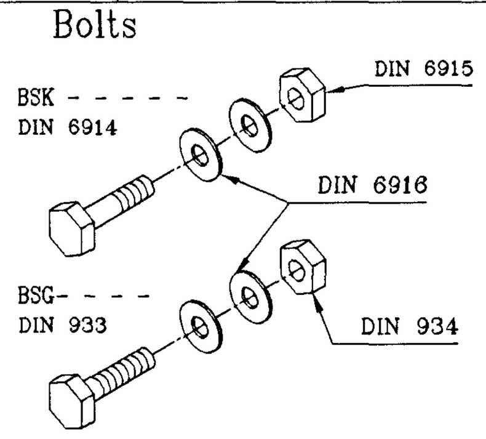
- * : to be adapted on site
- <> : fitting with shim plates (2x2mm) put the plattes on each side of the beam
- Ni : reference level corresponding to the bottom of the hollow core element
- OPT : optional supply if specified in the order
- NBA : Not By ASTRON

Comparason table of the steel quality

EN	S235JR	S355JO
NF	E24-2	E36-3
DIN	St 37-2	St 52-3U
NBN	AE235-B	AE355-C
BS	40	50C



Bolts



half torque of the boltings of the mezzanines or MSB units kgm

X	8.8	10.9
M 16	11	15
M 20	21	30
M 24	36	51
M 30	71	105

Loads (kN/m2)

dead load :	2.5
live load :	5.0
addl.DL (screed) :	1.5
addl.DL (finish) :	

N° réf. hall :	103228
finish :	F16
Paint's codification :	GREY PRIMER

Please contact ASTRON if the Mezzanine has to be galvanised.

Byggingafulltrúi Hafnarfjarðar
Afgreitt þann
15 APR. 2002
VG

Details:

References:

4x 08/06/01 Stalex EHF.

Transmittals

ÍSHELLA 10

Project-Name: VELSMIDJA 2 ICELAND STALEX EHF.

Building:

Loads - LL / WL / AddL :100/165/30 DaN/m²

Norms - Prim.: DIN Sec.: AISI

103067

ZW-1

MEZZANINE

Date:06.06.2001

Eng.G.GRAUWELS

Draf.: T.BRUEGGEMANN

Rev. :

Rev. :

Rev. :

COMMERCIAL INTERTECH S.A. - P.O. Box 152 - L-9202 DIEKIRCH - LUXEMBOURG - Phone: (00352) / 80 29 11