

## ATTENTION

1. Foundations must be designed by a qualified foundation engineer.
2. Astron has calculated the diameter and the number of anchor bolts required at each column location based on the column reactions and the mechanical properties of the steel from which the anchor bolts are produced.
3. It is the responsibility of the foundation engineer to verify that the anchor bolt details, embedment length and the placement of steel reinforcement in the concrete is adequate to transfer the column loads to the foundation.
4. Astron Buildings assumes no responsibility for verifying the adequacy of the foundation design.

### ATTENTION

The complete building must be erected according to the erection documents and manuals as provided by ASTRON and all applicable local codes and standards. Moreover, we draw your attention to the points below as they are most critical for the building stability:

1. Position of the anchor bolts,
2. Fastening of the anchor bolts nuts, once the columns are placed.

### TECHNICAL NOTES

#### General

1. Drawings must be read in conjunction with ASTRON Technical Manual.
2. Building components must be erected in accordance with erection information supplied by Astron Buildings and all applicable local codes and standards.
3. All measurements are in millimetres
4. \* = Field adapted
5. Purlin spacings are rounded to mm and cannot be added

#### Foundations and Anchor Bolts

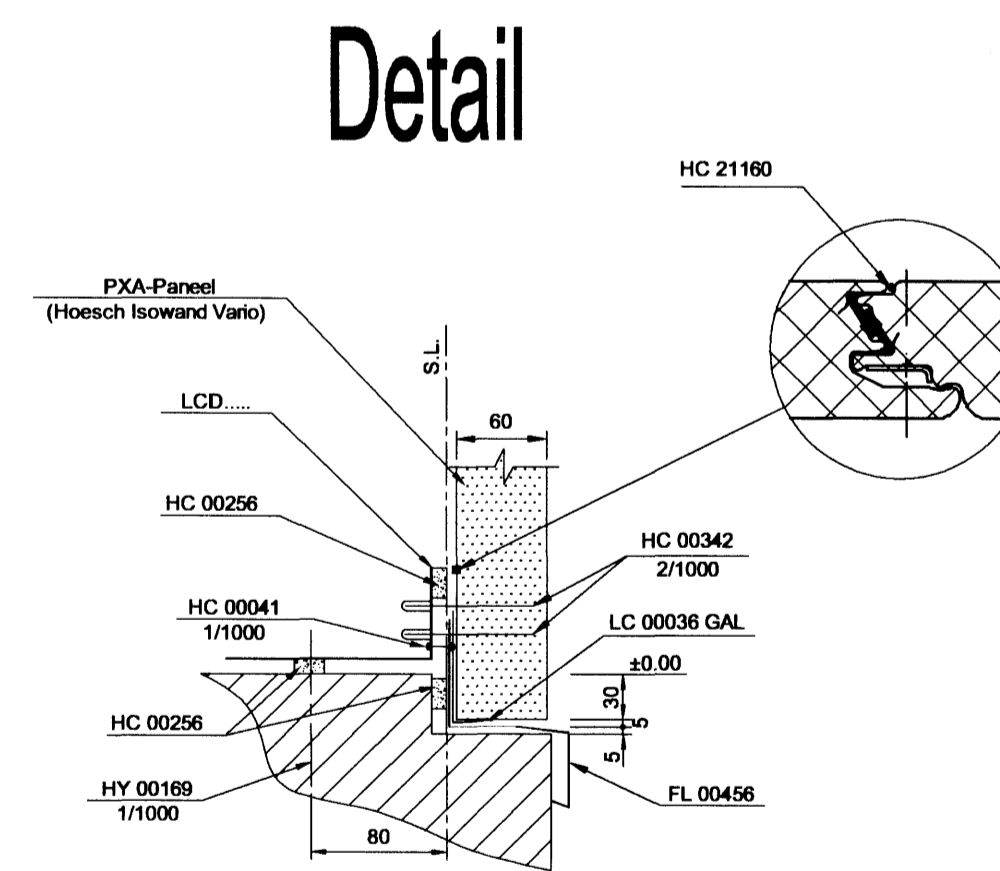
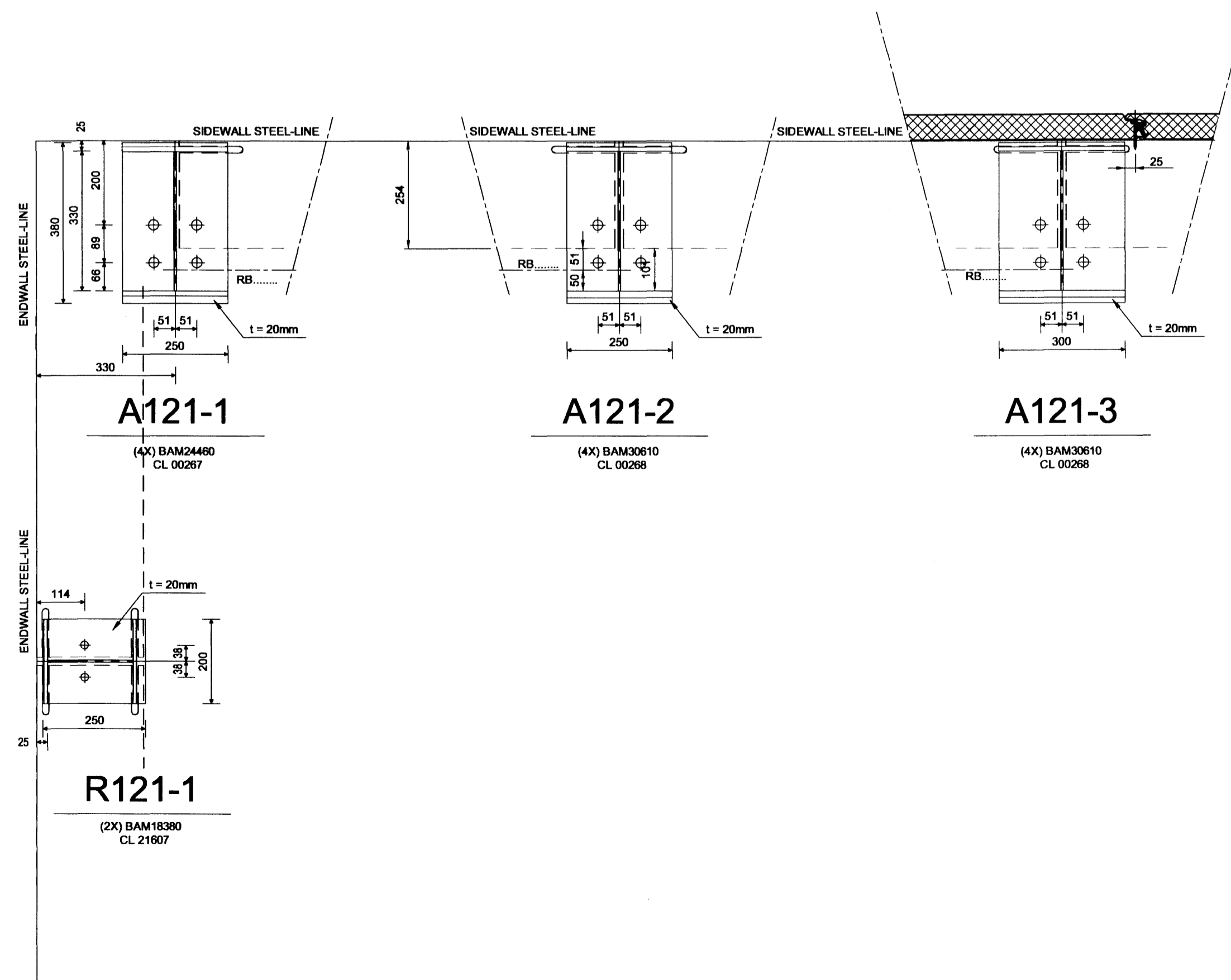
1. Foundations must be designed by a qualified foundation engineer (more details on AB-layout)
2. Applicable columns reactions see chart "Foundation Reactions"

#### Primary and Secondary Structural Framing

1. Flange bracing installation as per technical manual (TM) standard detail W1... chapter
2. Unless noted different:
  - 1) Purlin diaphragms - at peak (see TM W316, W326, W327)
    - Double purlins (see TM W311, W321)
  - 2) Wind bracing details, see TM chapter W2..
  - 3) Roof stabilization if necessary:
    - Purlins spacers (HS... see TM details W37, and W 38.)
    - Sag rods (RSG)- see TM W... and cross-section.
    - Tie straps (HC 00250) see TM W7... chapter.

#### Panels and Accessories

1. Field locate roof openings and accessories
2. Field cut and adapt girts and panels shown in overlap with an accessory element
3. Compensation of panel tolerance currently during installation



TO BE CHECKED / SUMMARY	
Finish coat on primary framing	: F80 (Primer paint (+/- RAL7036))
Finish of secondary framing	: GAL
Roof panels	: Hoesch E40 (t=0.75mm) : DLA G31 RAL 9002 SP 25my
Wall panels	: Hoesch ML60va : PXA H21 RAL 9006 SP 25my / 9002

ANCHOR BOLT DIMENSIONS			
PN	DIAM	L	H
BAM18380	18	380	50
BAM24460	24	460	80
BAM30610	30	610	100

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DET:

1x	05.01.2007	BID: per mail
		TRANSMITTALS

PROJ: FEDEX, Seihella 9 - Seihella 9  
 BUILDING: AL 3.5% SPAN 25.780m EH 7.400m L 45.23m  
 LOADS: LL/WL/AdL : 110/180/40 (DaNm2)

NORMS: PRIM. EC3 SEC. ZUL

**133632**

**AB-1**

DATE: 02/01/07  
 ENG: B. Schaffner  
 DRAF: N. Michaux

ASTRON  
 ANCHORBOLT - PLAN  
 BOLTA FESTINGAR  
 (SCALE: 1/100)

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27. Jan. 2007  
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