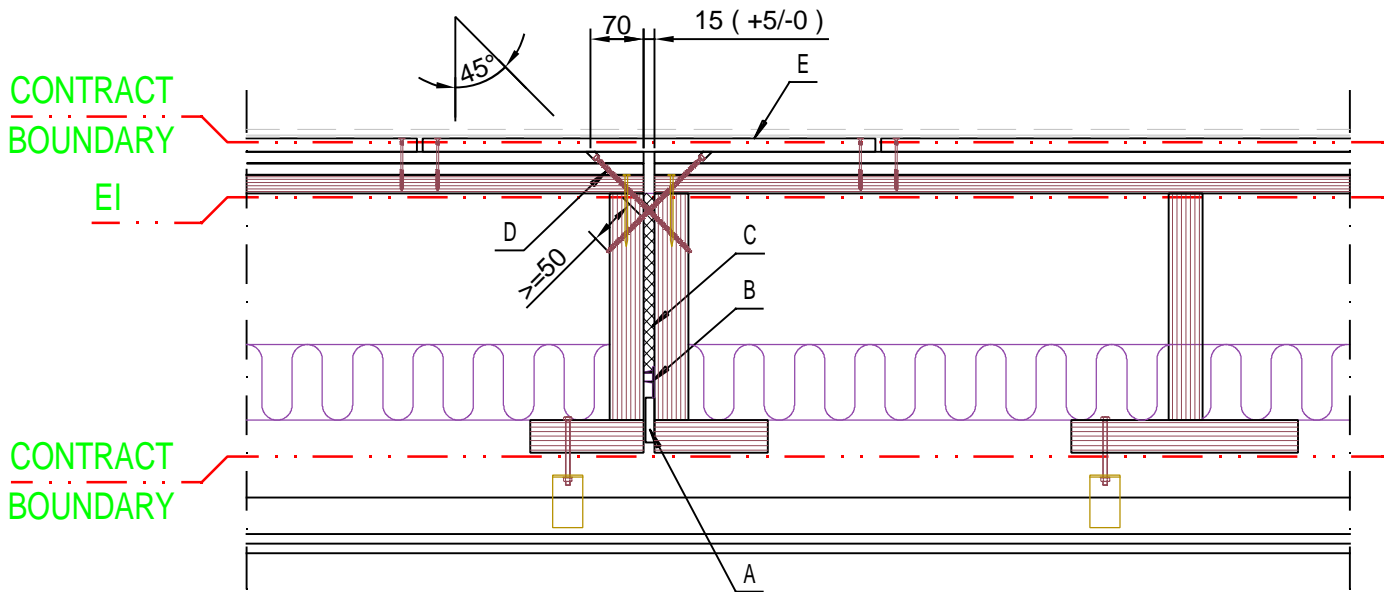


CONTENT	SCALE
ELEMENT DETAILS	1:10
KERTO-RIPA COMPARTMENT FLOOR ELEMENT	
OPEN BOX SLAB	

DATE	DRAWING NUMBER 333
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KERTO-RIPA COMPARTMENT FLOOR ELEMENT, OPEN BOX SLAB



ELEMENT MANUFACTURING:

A. METSÄ WOOD SPRUCE PLYWOOD 15x40 mm² STAPLED OR NAILED *c/c* 150 TO BOTTOM FLANGE AND *c/c* 300 TO RIB

OR :

A. METSÄ WOOD SPRUCE PLYWOOD 15x40 mm² STAPLED OR NAILED *c/c* 150 TO BOTTOM FLANGE AND *c/c* 300 TO RIB

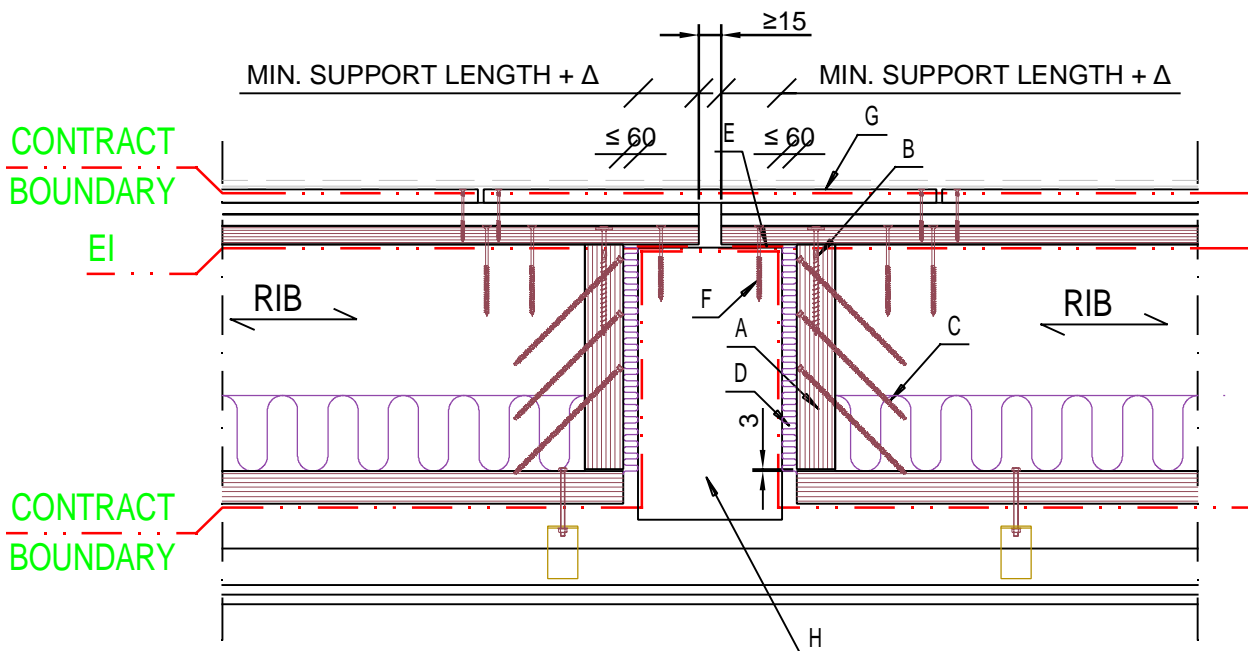
B. SEAL STRIP

C. POLYURETHANE FOAM, FOAMED TWICE

ELEMENT INSTALLATION:

D. CRISSCROSS SCREWS *c/c* 300 (*c/c* 600 / *c/c* 600), TIP PENETRATION min. 50 mm

E. FILLER PIECE, GYPSUM FIBER BOARD 18 mm, *b* = 600 mm, FASTENING WITH SCREWS FOR FLOOR GYPSUM PLASTERBOARDS, SCREWS *c/c* 300 AT EDGES, EDGE CLEARANCE 50mm



ELEMENT MANUFACTURING:

- A. KERTO-Q END BEAM $t \geq 51$ mm
- B. ANCHOR SCREWS 8x140 Metsä Wood
- C. INCLINED SCREWS
- D. SEAM WOOL PACKED IN PLASTIC FOIL, THE PLASTIC SURFACE ACTS AS A SLIDE BEARING FILM WHEN THE ELEMENT IS INSTALLED

ELEMENT INSTALLATION:

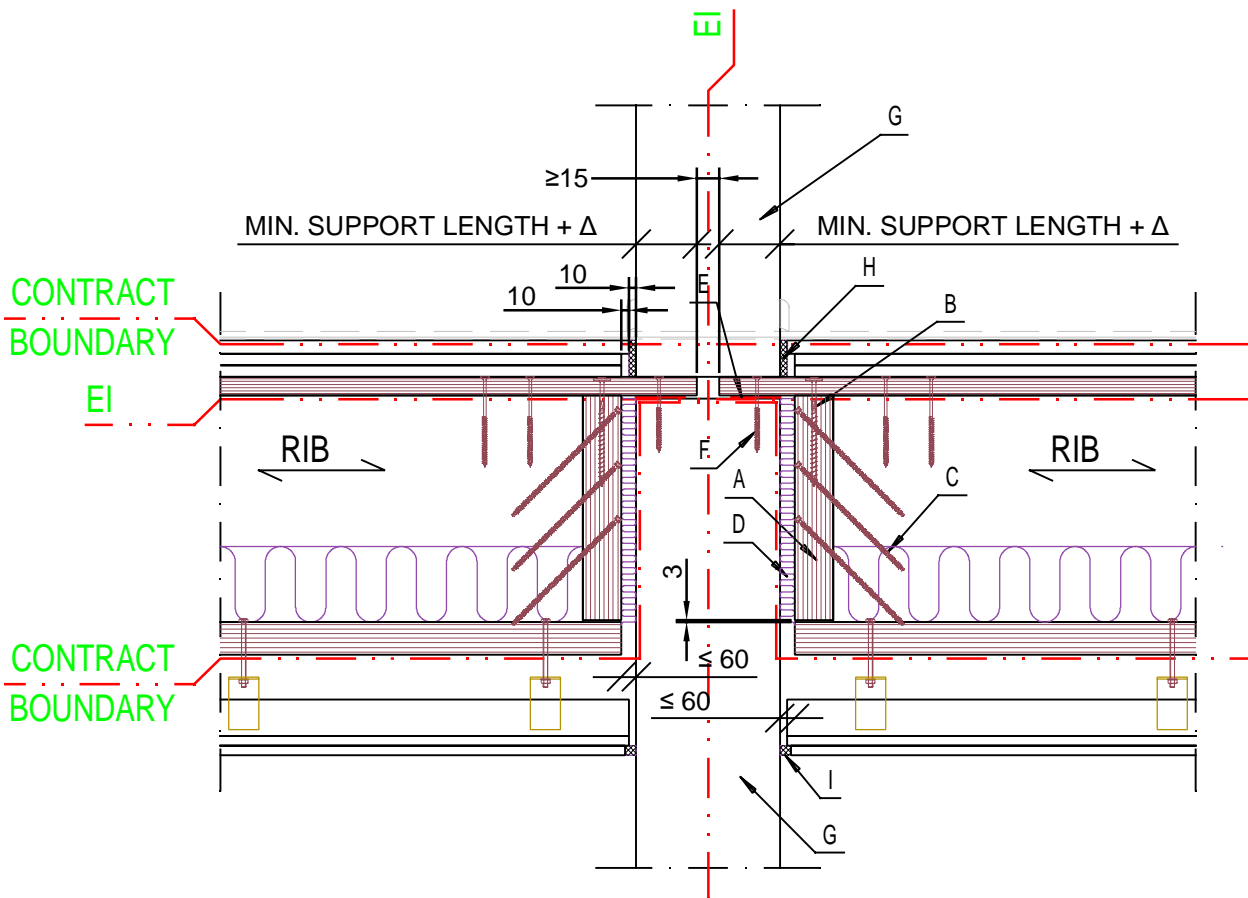
- E. VIBRATION ISOLATION STRIP
- F. MECHANICAL FASTENING
- G. FILLER PIECE, GYPSUM FIBER BOARD 18 mm, $b = 600$ mm, FASTENING WITH SCREWS FOR FLOOR GYPSUM PLASTERBOARDS, SCREWS c/c 300 AT EDGES, EDGE CLEARANCE 50mm, AT THE CENTRE OF BOARD c/c 400 mm IF NEEDED

BUILDING CONTRACTOR:

- H. LOAD BEARING BEAM

OTHER:

- Δ IS INSTALLATION TOLERANCE + HORIZONTAL POSITION TOLERANCE OF BEARING STRUCTURE AT LENGTH DIRECTION OF ELEMENT
- Δ MUST BE TAKEN INTO ACCOUNT IN INSTALLATION OF THE LOAD BEARING BEAM



ELEMENT MANUFACTURING:

- A. KERTO-Q END BEAM $t \geq 51$ mm
- B. ANCHOR SCREWS 8x140 Metsä Wood
- C. INCLINED SCREWS
- D. SEAM WOOL PACKED IN PLASTIC FOIL, THE PLASTIC SURFACE ACTS AS A SLIDE BEARING FILM WHEN THE ELEMENT IS INSTALLED

ELEMENT INSTALLATION:

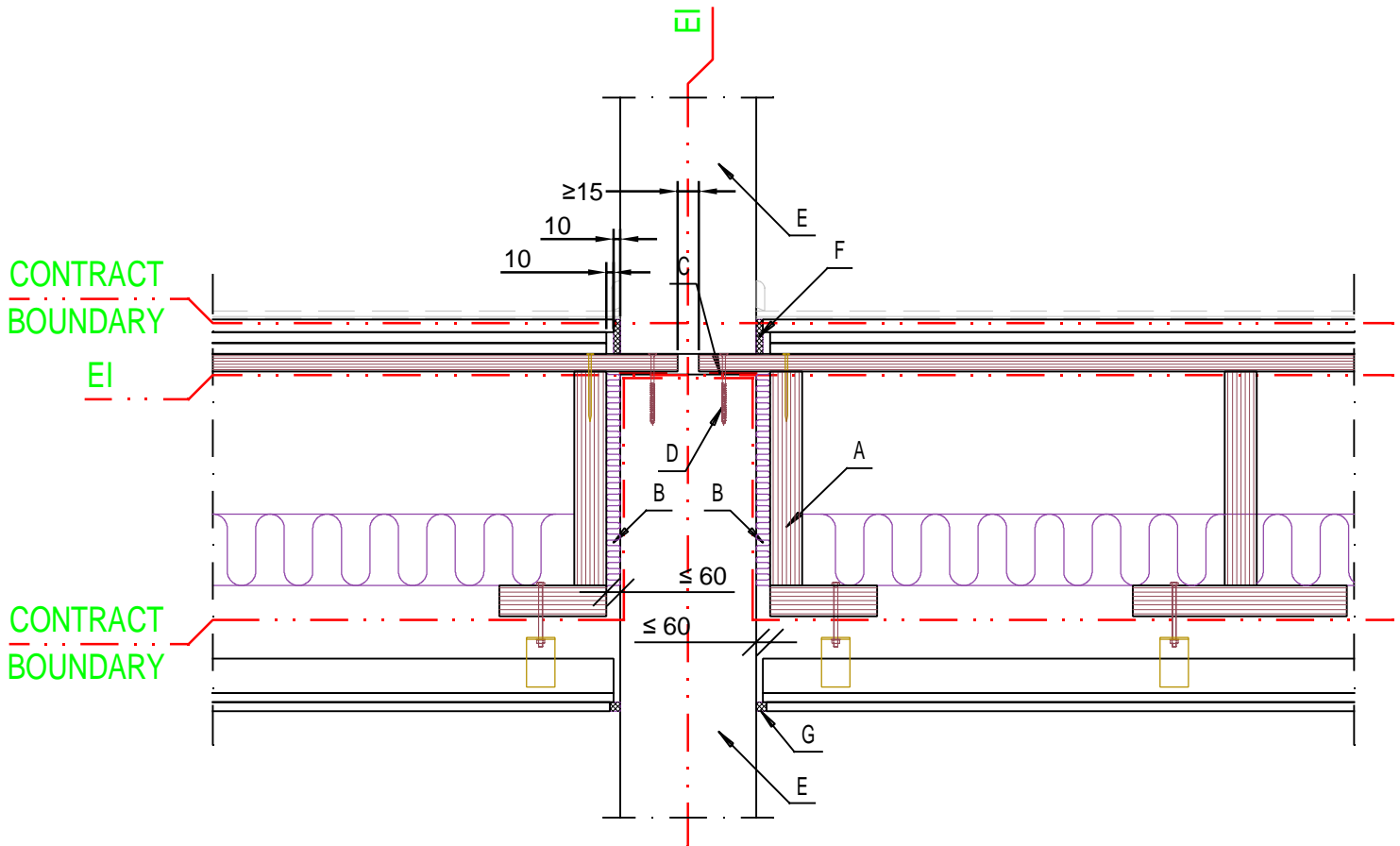
- E. VIBRATION ISOLATION STRIP
- F. MECHANICAL FASTENING

BUILDING CONTRACTOR:

- G. LOAD BEARING PARTITION WALL
- H. DETACHMENT STRIP
- I. SEAM STRIP AND FILLER OR ELASTIC STONEBASED SEALANT

OTHER:

- Δ IS INSTALLATION TOLERANCE + HORIZONTAL POSITION TOLERANCE OF BEARING STRUCTURE AT LENGTH DIRECTION OF ELEMENT
- Δ MUST BE TAKEN INTO ACCOUNT IN INSTALLATION OF LOAD BEARING WALLS
- PASS-THRU HOLES IN GYPSUM PLASTERBOARDS ARE SEALED WITH GASKET AND FILLER OR WITH CE-MARKED ELASTIC FIREPROOF SEALANT



ELEMENT MANUFACTURING:

- A. KERTO-S RIB
- B. SEAM WOOL PACKED IN PLASTIC FOIL, THE PLASTIC SURFACE ACTS AS A SLIDE BEARING FILM WHEN THE ELEMENT IS INSTALLED

ELEMENT INSTALLATION:

- C. VIBRATION ISOLATION STRIP
- D. MECHANICAL FASTENING

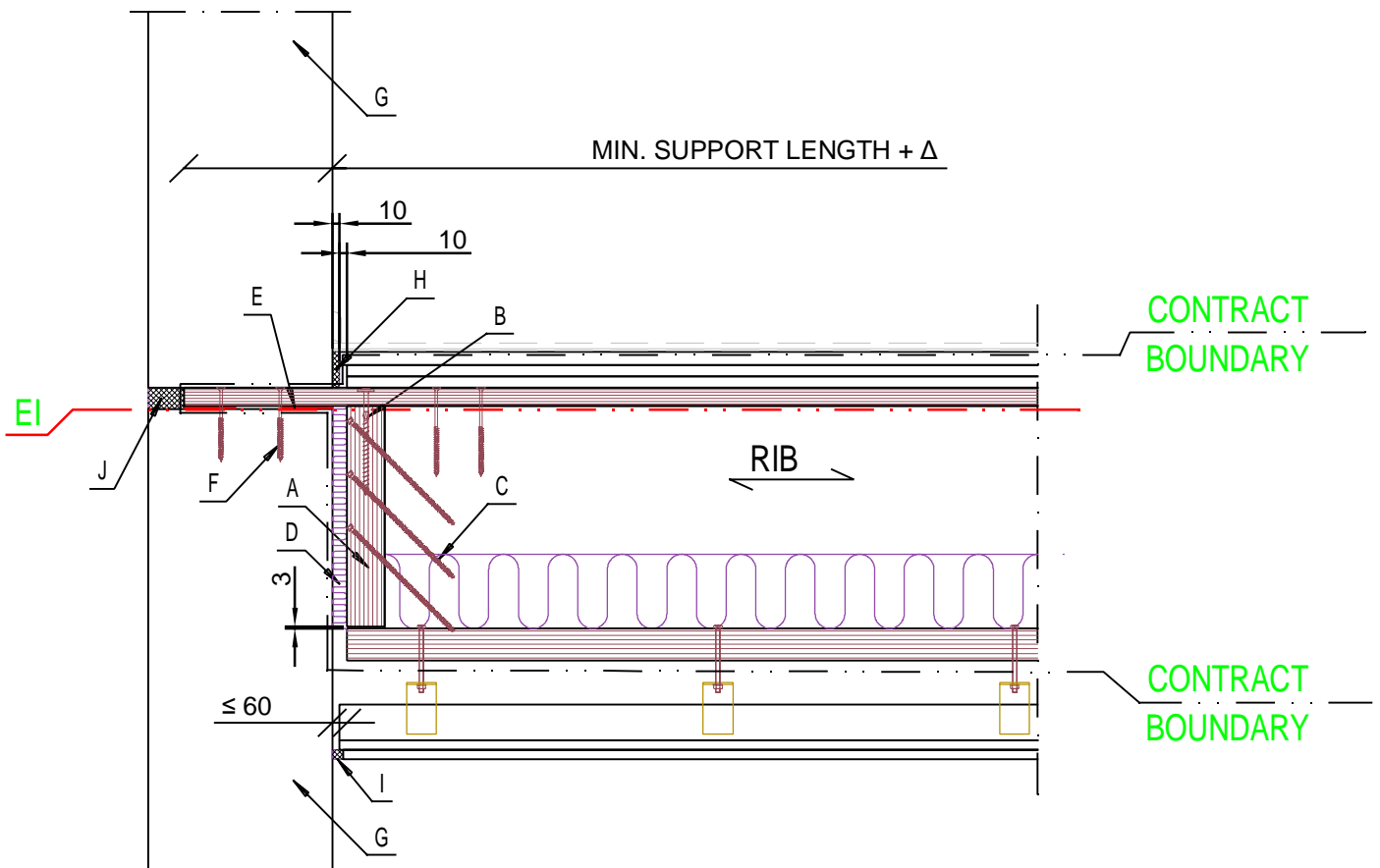
BUILDING CONTRACTOR:

- E. PARTITION WALL
- F. DETACHMENT STRIP
- G. SEAM STRIP AND FILLER OR ELASTIC STONEBASED SEALANT

OTHER:

- PASS-THRU HOLES IN GYPSUM PLASTERBOARDS ARE SEALED WITH GASKET AND FILLER OR WITH CE-MARKED ELASTIC FIREPROOF SEALANT

333-05 END JOINT TO EXTERIOR WALL, DECK SLAB SUPPORT
KERTO-RIPA COMPARTMENT FLOOR ELEMENT, OPEN BOX SLAB



ELEMENT MANUFACTURING:

- A. KERTO-Q END BEAM $t \geq 51$ mm
- B. ANCHOR SCREWS 8x140 Metsä Wood
- C. INCLINED SCREWS
- D. SEAM WOOL PACKED IN PLASTIC FOIL, THE PLASTIC SURFACE ACTS AS A SLIDE BEARING FILM WHEN THE ELEMENT IS INSTALLED

ELEMENT INSTALLATION:

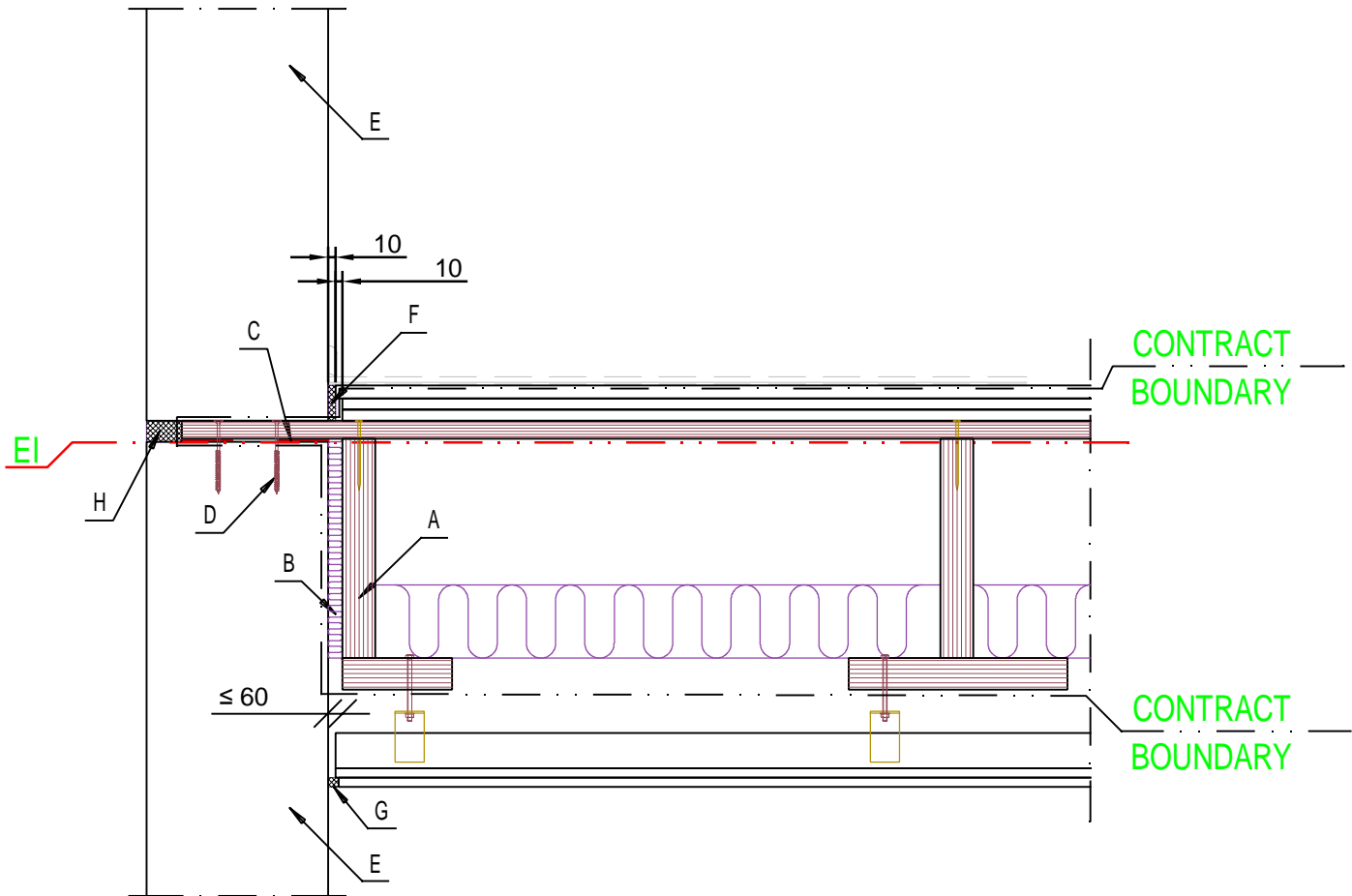
- E. VIBRATION ISOLATION STRIP
- F. MECHANICAL FASTENING

BUILDING CONTRACTOR:

- G. LOAD BEARING EXTERIOR WALL
- H. DETACHMENT STRIP
- I. SEAM STRIP AND FILLER OR ELASTIC STONEBASED SEALANT
- J. ELASTIC POLYURETHANE FOAM

OTHER:

- Δ IS INSTALLATION TOLERANCE + HORIZONTAL POSITION TOLERANCE OF BEARING STRUCTURE AT LENGTH DIRECTION OF ELEMENT
- Δ MUST BE TAKEN INTO ACCOUNT IN INSTALLATION OF LOAD BEARING WALLS
- PASS-THRU HOLES IN GYPSUM PLASTERBOARDS ARE SEALED WITH GASKET AND FILLER OR WITH CE-MARKED ELASTIC FIREPROOF SEALANT



ELEMENT MANUFACTURING:

- A. KERTO-S RIB
- B. SEAM WOOL PACKED IN PLASTIC FOIL, THE PLASTIC SURFACE ACTS AS A SLIDE BEARING FILM WHEN THE ELEMENT IS INSTALLED

ELEMENT INSTALLATION:

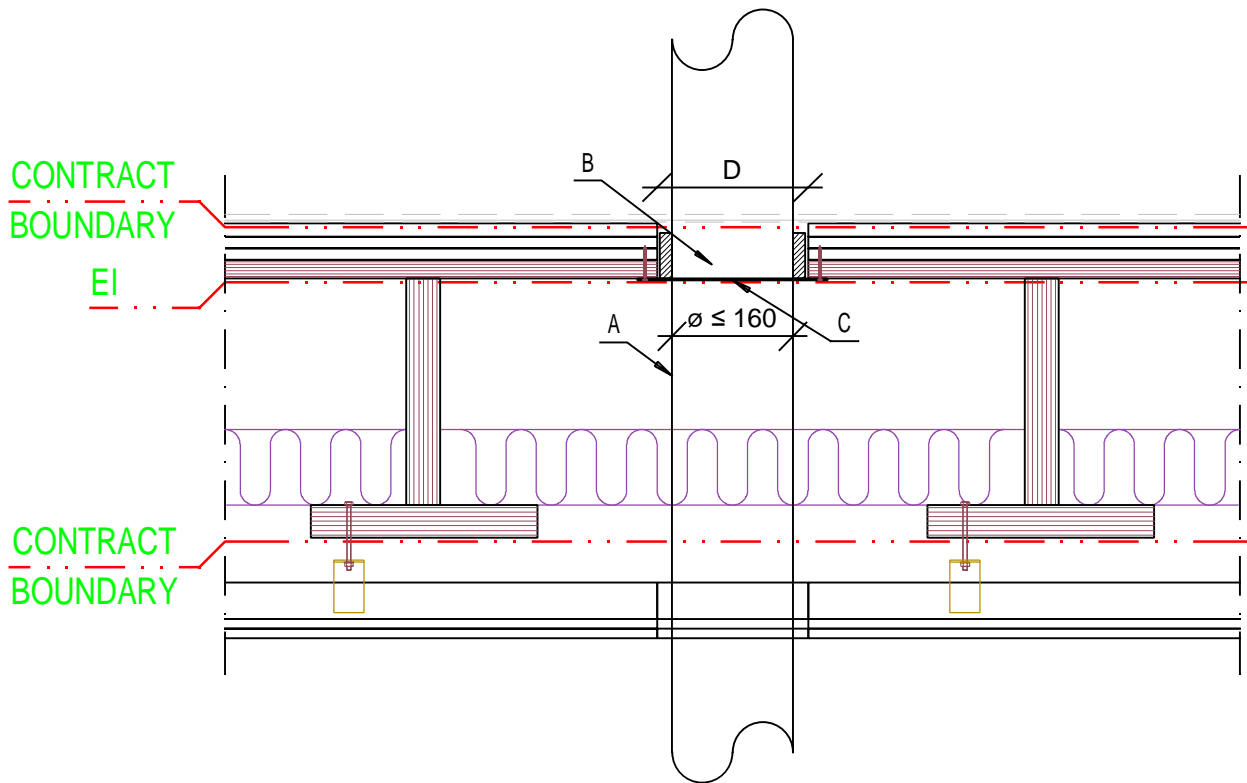
- C. VIBRATION ISOLATION STRIP
- D. MECHANICAL FASTENING

BUILDING CONTRACTOR:

- E. EXTERIOR WALL
- F. DETACHMENT STRIP
- G. SEAM STRIP AND FILLER OR ELASTIC STONEBASED SEALANT
- H. ELASTIC POLYURETHANE FOAM

OTHER:

- PASS-THRU HOLES IN GYPSUM PLASTERBOARDS ARE SEALED WITH GASKET AND FILLER OR WITH CE-MARKED ELASTIC FIREPROOF SEALANT



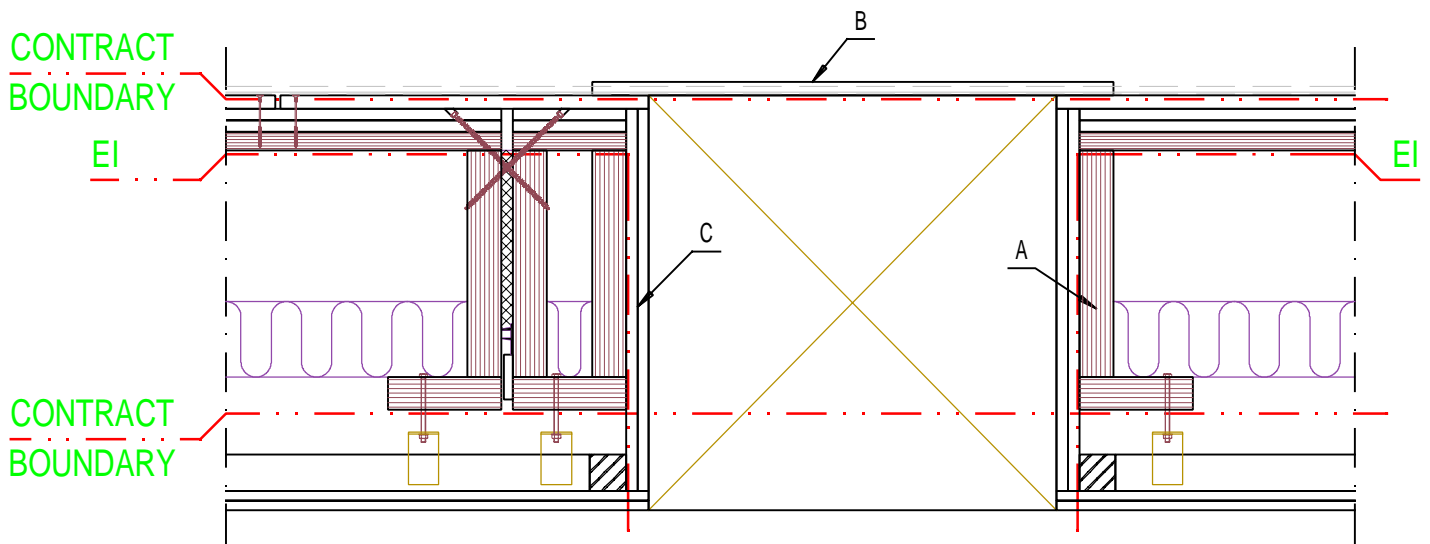
A. ROUND DUCT $\varnothing \leq 160$ mm

ELEMENT MANUFACTURING:

B. HOLE IN TOP SLAB AND SHEETS $D = \varnothing + 40$ mm

BUILDING CONTRACTOR:

C. FIRESTOP COLLAR, ACCORDING TO DEMANDS OF THE STRUCTURE

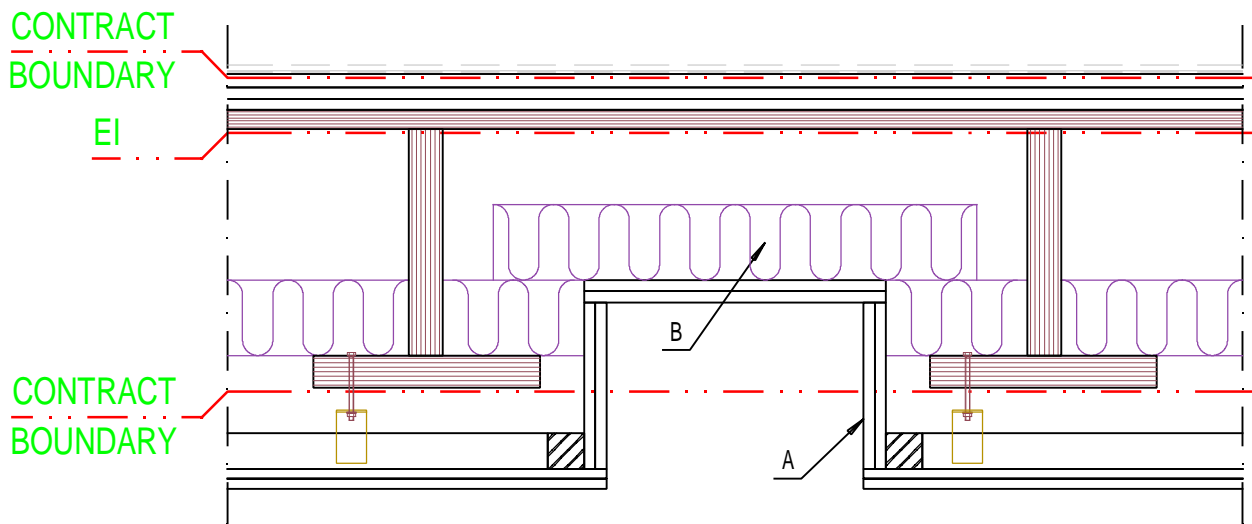


ELEMENT MANUFACTURING:

- A. KERTO-S $t \geq 45$ mm AROUND PASS-THRU
- B. TEMPORARY PLYWOOD COVER, FASTENING WITH SCREWS, THICKNESS ACCORDING TO PASS-THRU IN QUESTION

BUILDING CONTRACTOR:

- C. 2 x GYPSUM PLASTERBOARDS TYPE F $t \geq 15$ mm, AROUND PASS-THRU



BUILDING CONTRACTOR:

- A. GYPSUM PLASTERBOARD CASING, ACCORDING TO DEMAND OF THE STRUCTURE
- B. ROCKWOOL AROUND THE CASING

OTHER:

- CASING CAN NOT BE DIRECTLY SUSPENDED FROM THE KERTO-RIPA ELEMENT
BECAUSE IT WILL AFFECT ACOUSTIC PROPERTIES OF THE STRUCTURE

Manufacturing tolerances for Kerto-Ripa elements

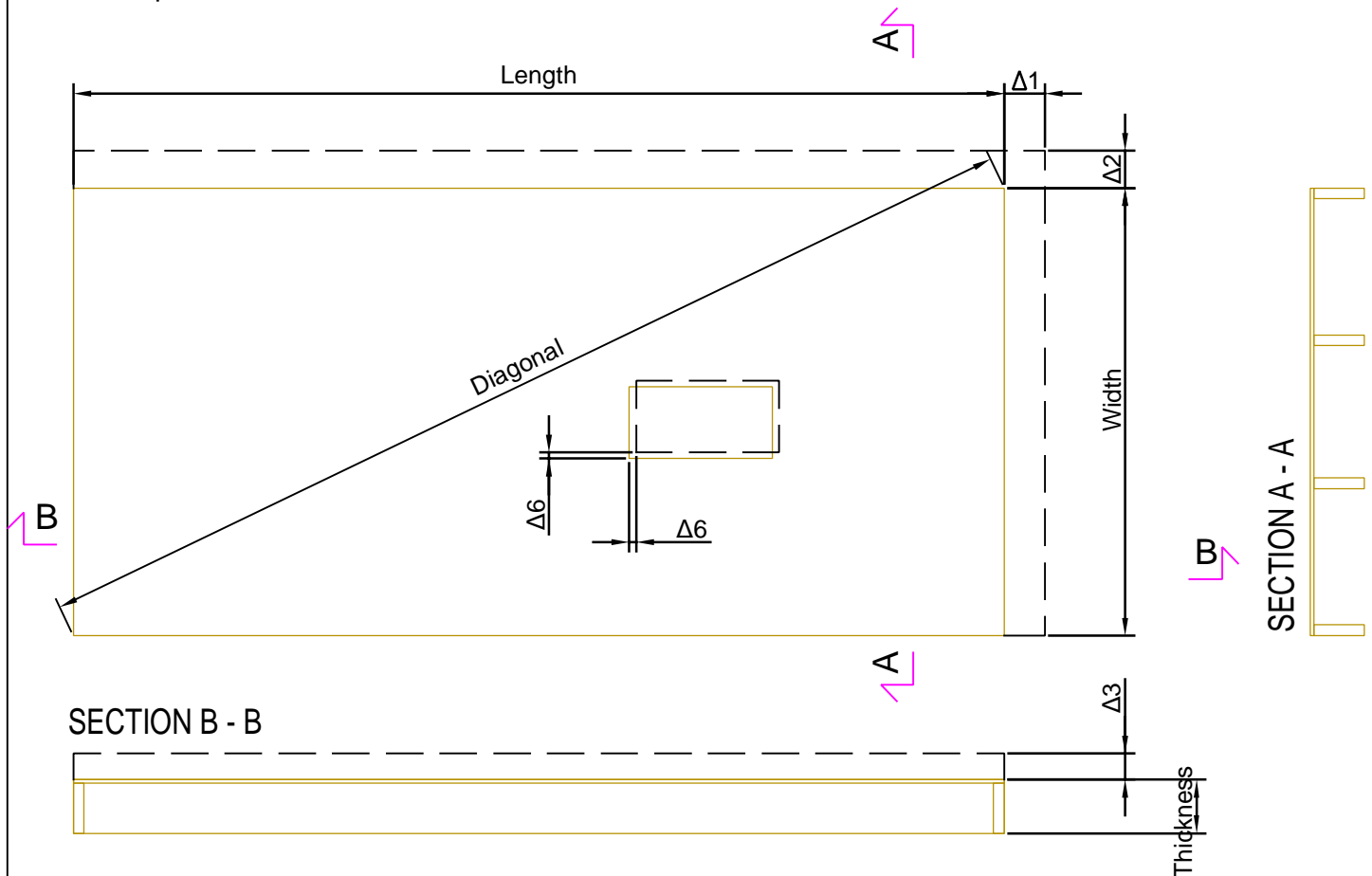
Manufacturing class 3, according to standard SFS 5978:2014

$\Delta 1$ = Length	+/- 5 mm
$\Delta 2$ = Width	+/- 5 mm
$\Delta 3$ = Thickness	min (+/- 5 mm; 1,5 %)
$\Delta 4$ = Difference between diagonal measures	
≤ 6 m	+/- 0,1 %
> 6 m	+/- 10 mm
$\Delta 5$ = Straightness (for element length)	
- length, width	+/- 0,1 %
$\Delta 6$ = Position of holes	+/- 5 mm

Installation tolerances for Kerto-Ripa elements

Installation tolerance class is specified in the installation plan.

Specifications for tolerance classes are described in standard SFS 5978:2014.



	CONTENT	SCALE
	ELEMENT TYPES TOLERANCES	1:10
DATE	24.05.2017	DRAWING NUMBER 332