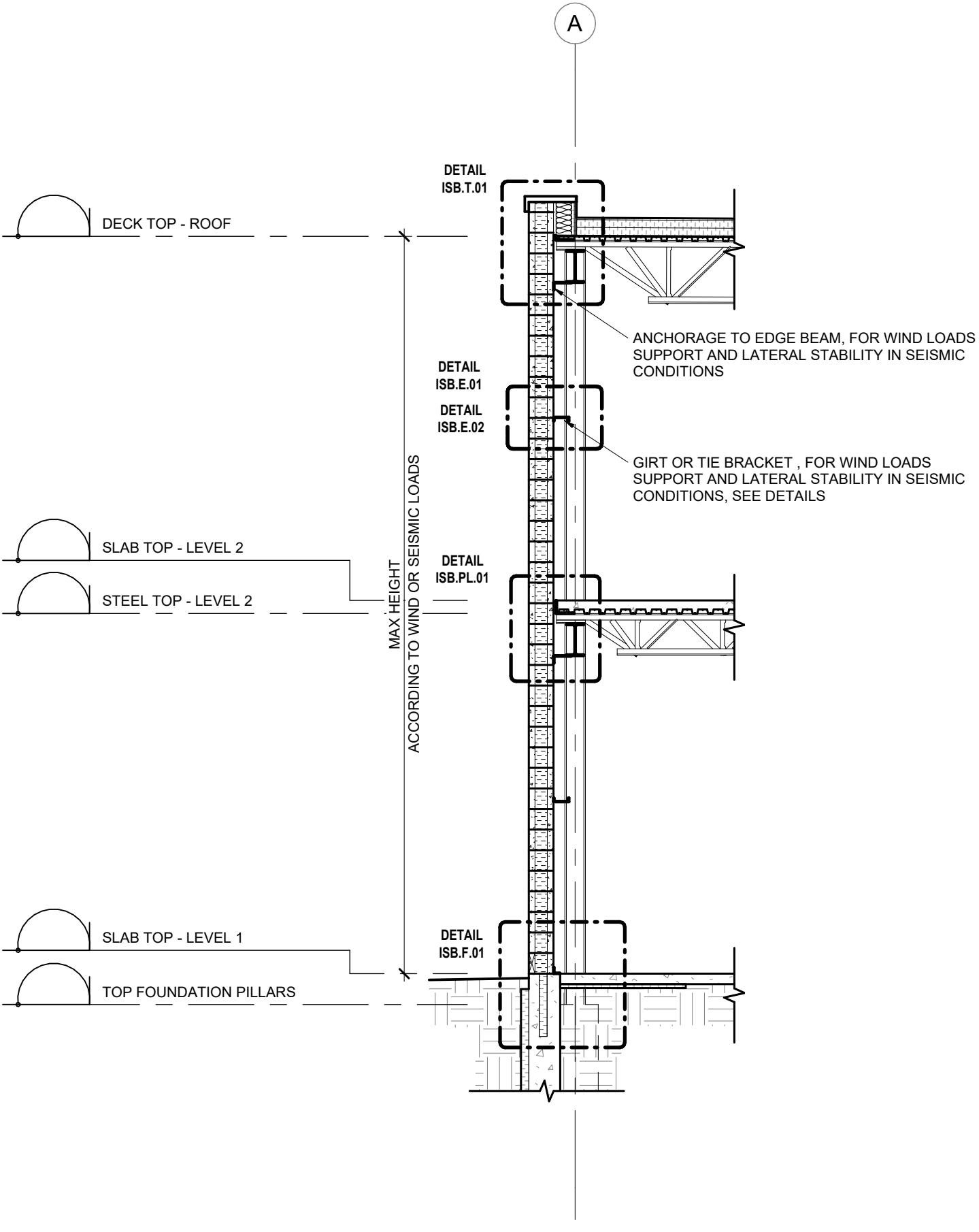


ISOBLOC
INSULATED MASONRY

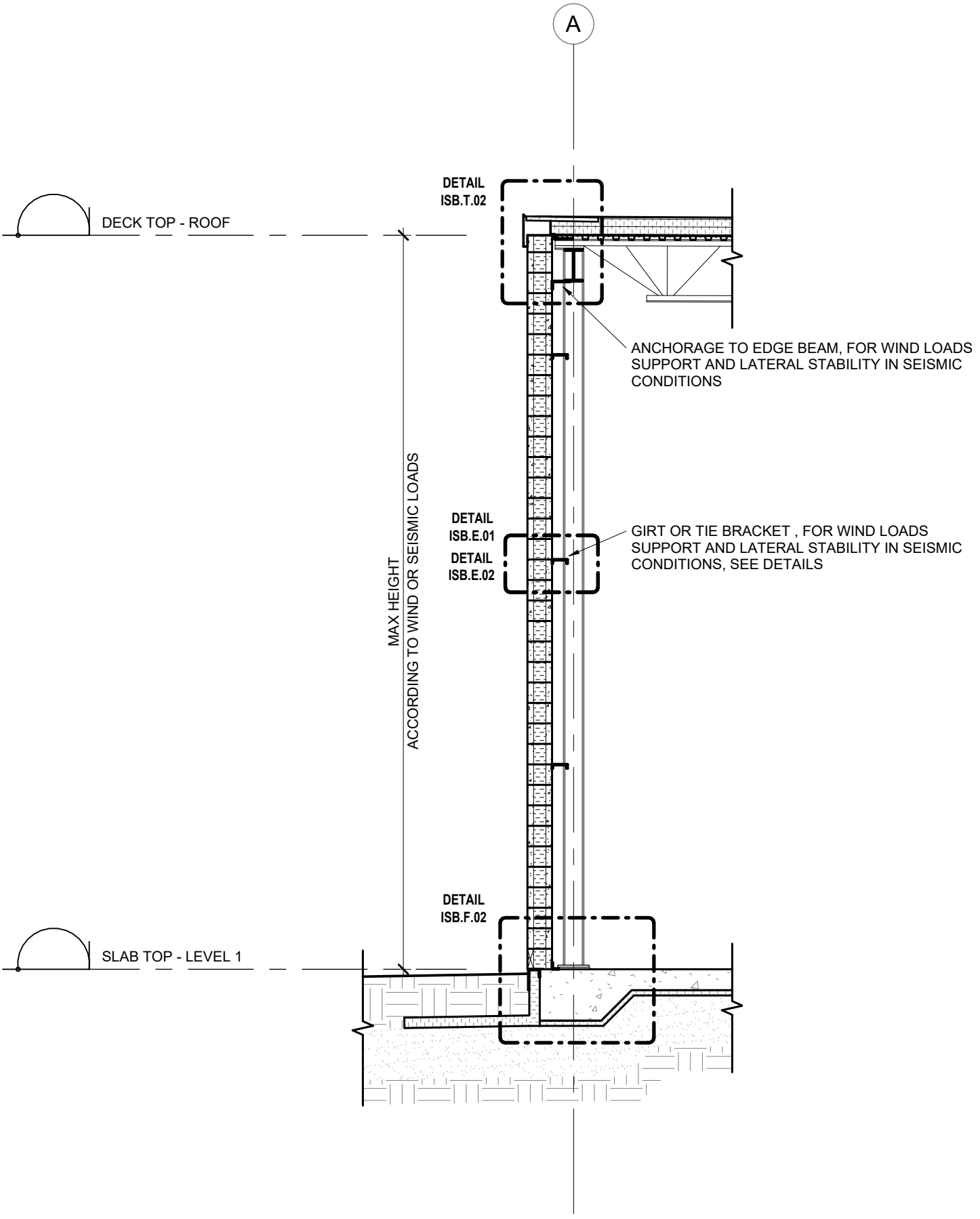
ISB.CP.01

TYPICAL SECTION - STEEL STRUCTURE - NON-LOAD-BEARING WALL

SCALE : 1 : 50

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

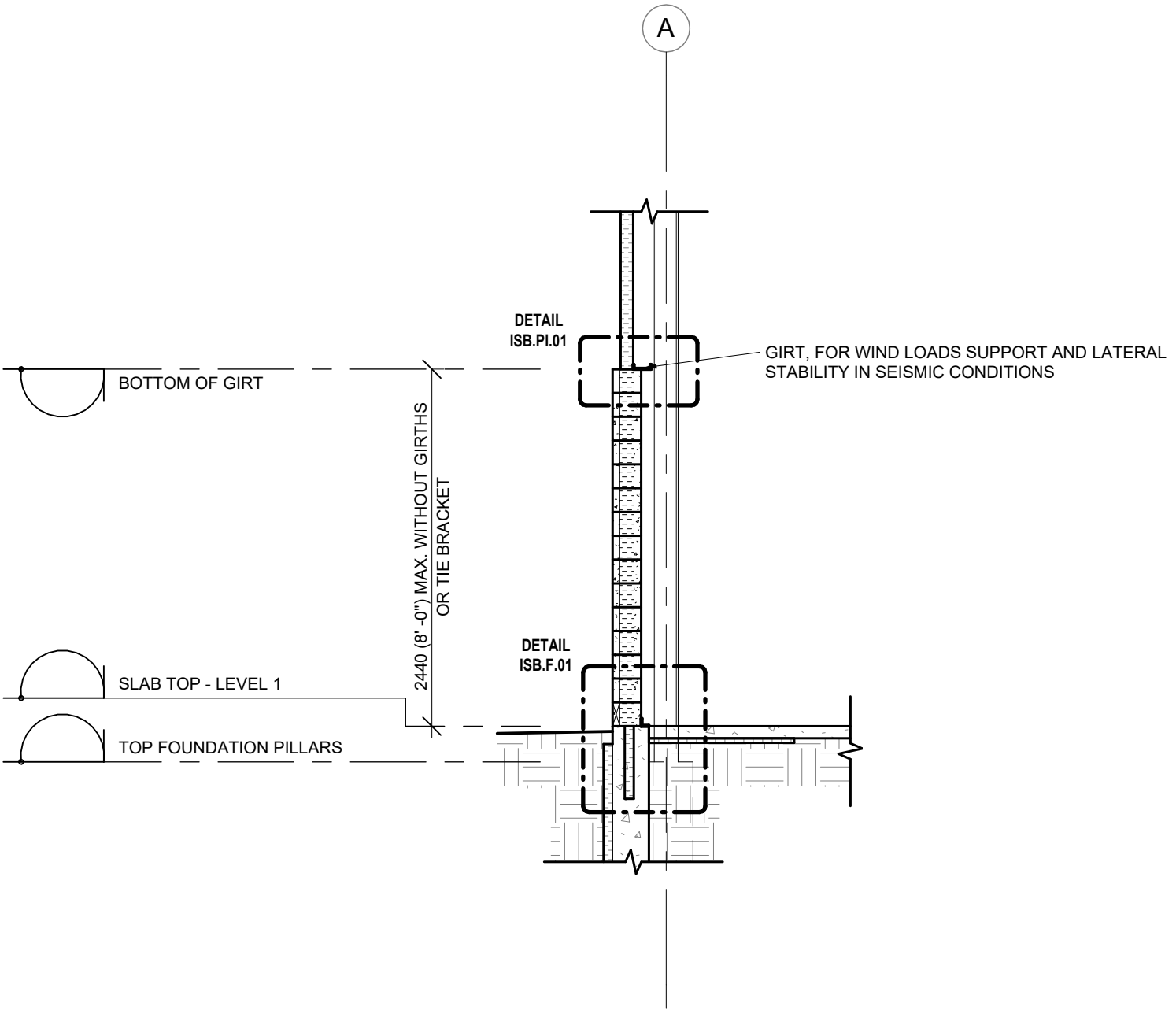
ISB.CP.02

TYPICAL SECTION - STEEL FRAME - STRUCTURAL SLAB ON GROUND - NON-LOAD-BEARING WALL

SCALE : 1 : 50

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

ISB.CP.03

TYPICAL SECTION - STEEL FRAME - NON-LOAD-BEARING WALL WITH INSULATED METAL PANEL

SCALE : 1 : 50

DRW : T.D.

REV : 01-2026

GENERAL NOTES:

THE USE OF ISOBLOC LOAD-BEARING WALLS IS APPLICABLE FOR NBC DIVISION 9 ONLY. MORTAR JOINTS MUST NOT BE SCRAPED.

A TYPE S, 15 MPA, MORTAR MUST BE USED FOR AN ISOBLOC LOAD-BEARING WALL.

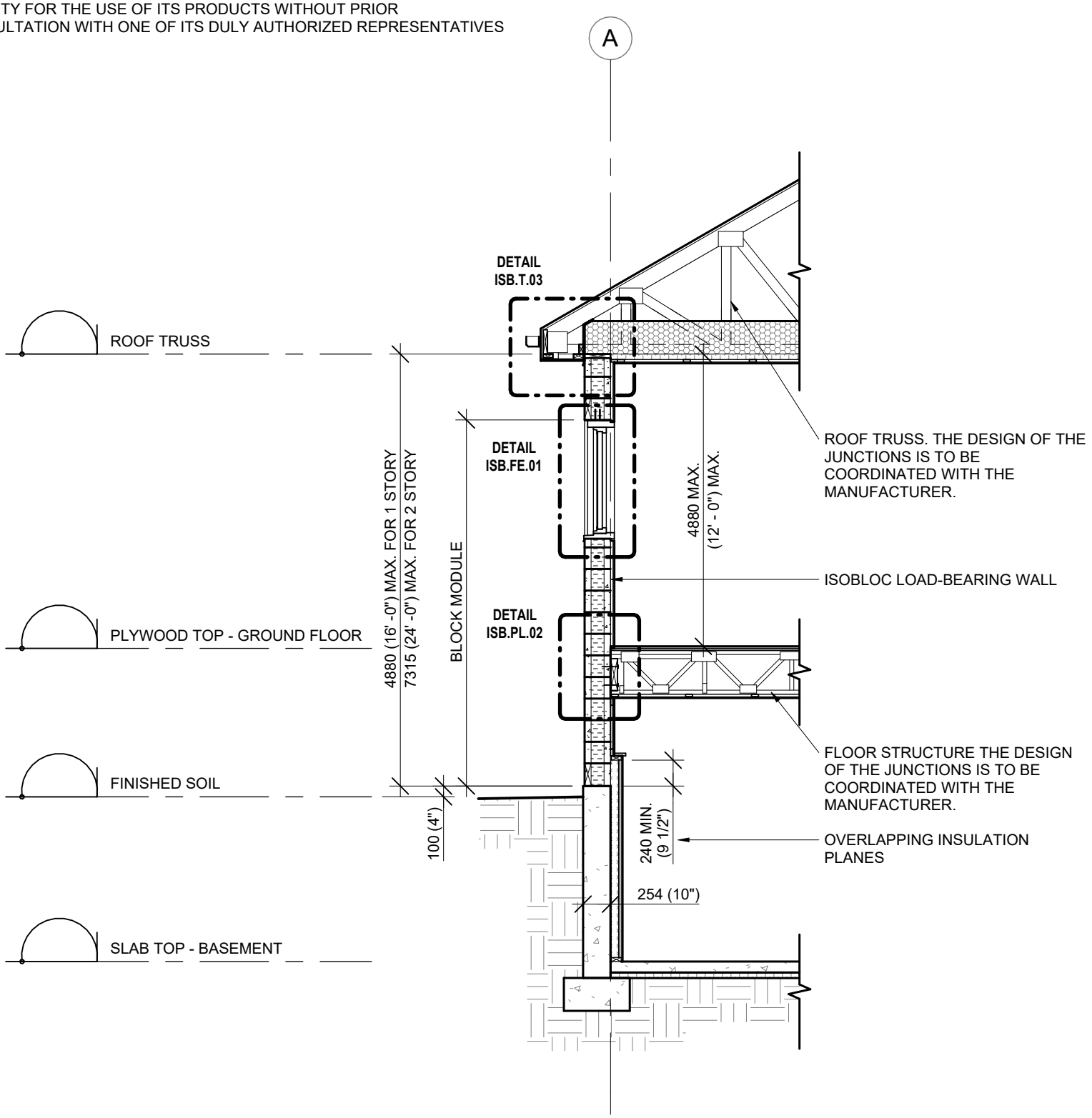
ISOBLOC WALLS MUST NOT SUPPORT BEAMS OR COLUMNS. BEAMS AND COLUMNS MUST BE INDEPENDENTLY SUPPORTED IN ACCORDANCE WITH ARTICLE 9.20.8.4. (NBC)

THE DESIGN OF JOINTS BETWEEN LOAD-BEARING BUILDING COMPONENTS MUST BE COORDINATED BETWEEN THE MANUFACTURERS OF THOSE COMPONENTS. ISOBL OC DISCLAIMS ANY LIABILITY FOR THE USE OF ITS PRODUCTS WITHOUT PRIOR CONSULTATION WITH ONE OF ITS DULY AUTHORIZED REPRESENTATIVES

IN SEISMIC ZONES WITH AN ACCELERATION RATE OF MORE THAN 4, IT IS PROHIBITED TO USE ISOBLOCK LOAD-BEARING MASONRY ELEMENTS.

IN SEISMIC ZONES WITH AN ACCELERATION RATE OF 2, 3 AND 4, ISOBLOCK LOAD-BEARING MASONRY ELEMENTS MUST NOT EXCEED ONE STORY.

IN SEISMIC ZONES WITH AN ACCELERATION RATE OF 0 AND 1, ISOBLOCK LOAD-BEARING MASONRY ELEMENTS MUST NOT EXCEED TWO STORY



ISOBLOC
INSULATED MASONRY

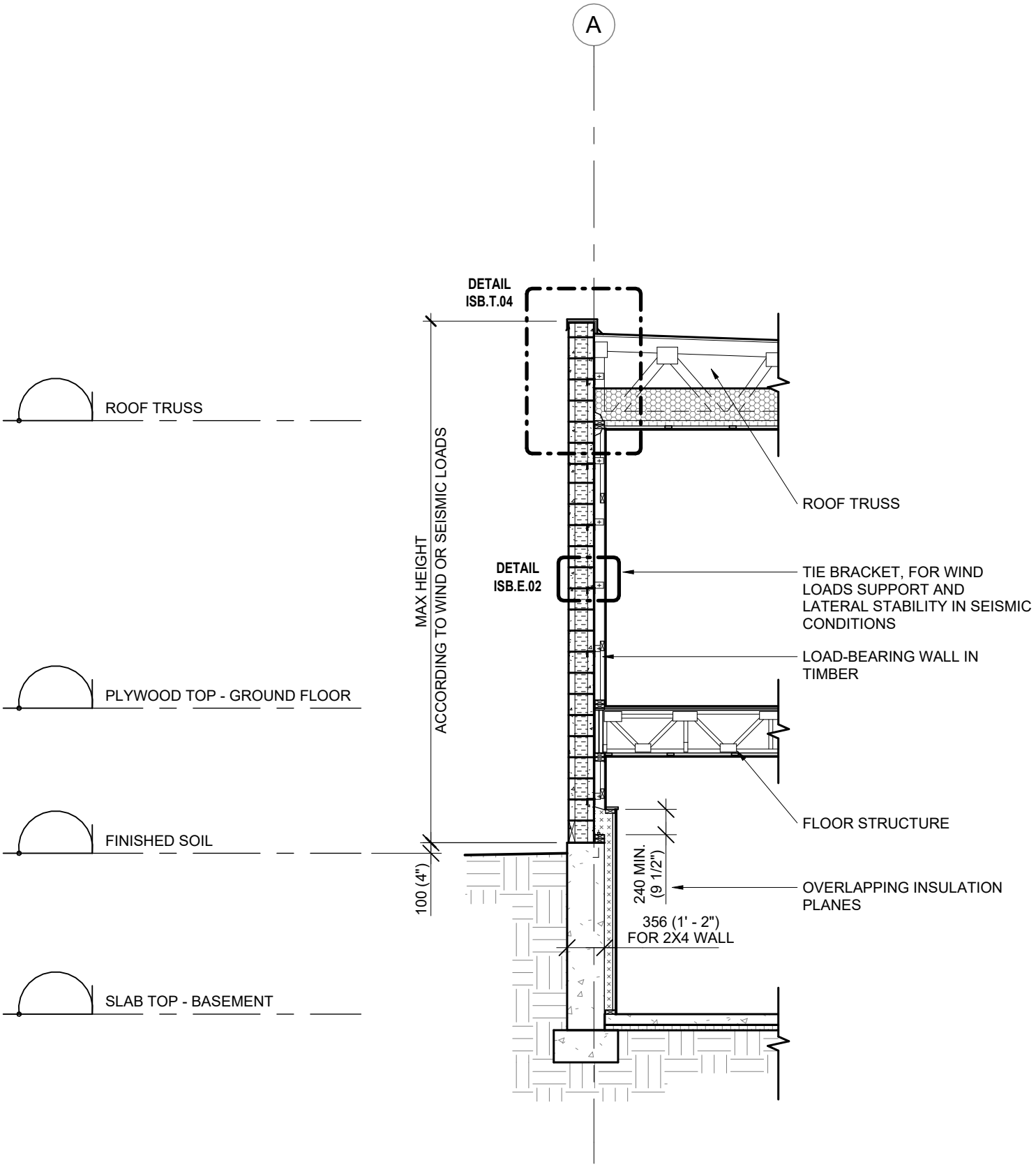
ISB.CP.04

TYPICAL SECTION - WOOD FRAME - LOAD-BEARING WALL

SCALE : 1 : 50

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

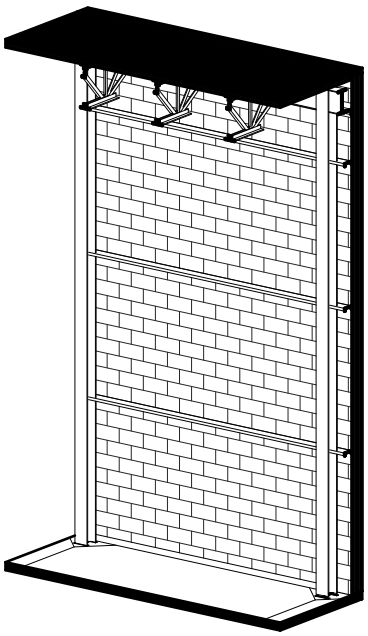
ISB.CP.05

TYPICAL SECTION - WOOD FRAME - NON-LOAD-BEARING WALL

SCALE : 1 : 50

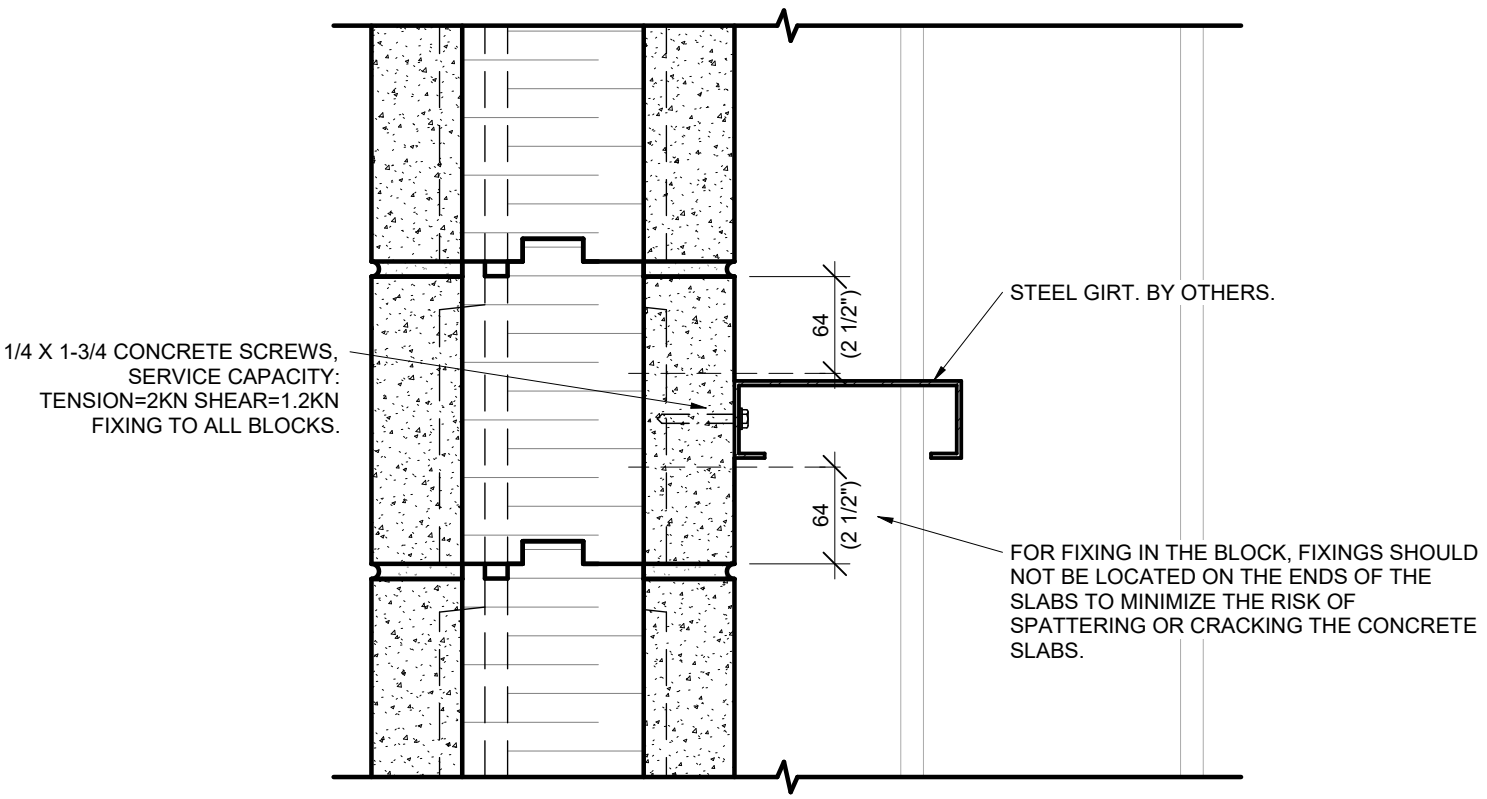
DRW : T.D.

REV : 01-2026



AXONOMETRY OF A CONDITION WITH GIRTS

SPAN TABLE	
LATERAL LOADS (IN KPA (LB/FT2))	**MAXIMUM BEARING SPACING** (IN M (FT))
1.2 (25.1)	3 (9' 10")
1 (20.8)	3.6 (11' 10")
0.8 (16.7)	4.5 (14' 9")
0.5 (10.4)	5.2 (17' 0")
0.2 (4.2)	6 (19' 8")
NOTE: THE VALUES INDICATED IN THIS TABLE ARE ONLY VALID IF THE REQUIREMENTS BELOW ARE MET. FOR ANY OTHER CONDITIONS, PLEASE CONTACT ISOBLOC'S TECHNICAL SERVICE.	



ISOBLOC
INSULATED MASONRY

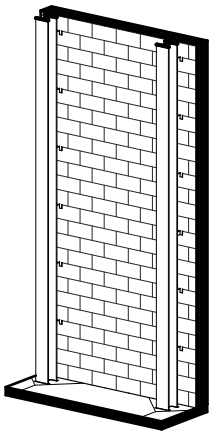
ISB.E.01

TYPICAL DETAIL - GIRT - LATERAL AND SEISMIC RESTRAINT

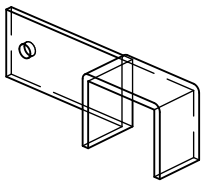
SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



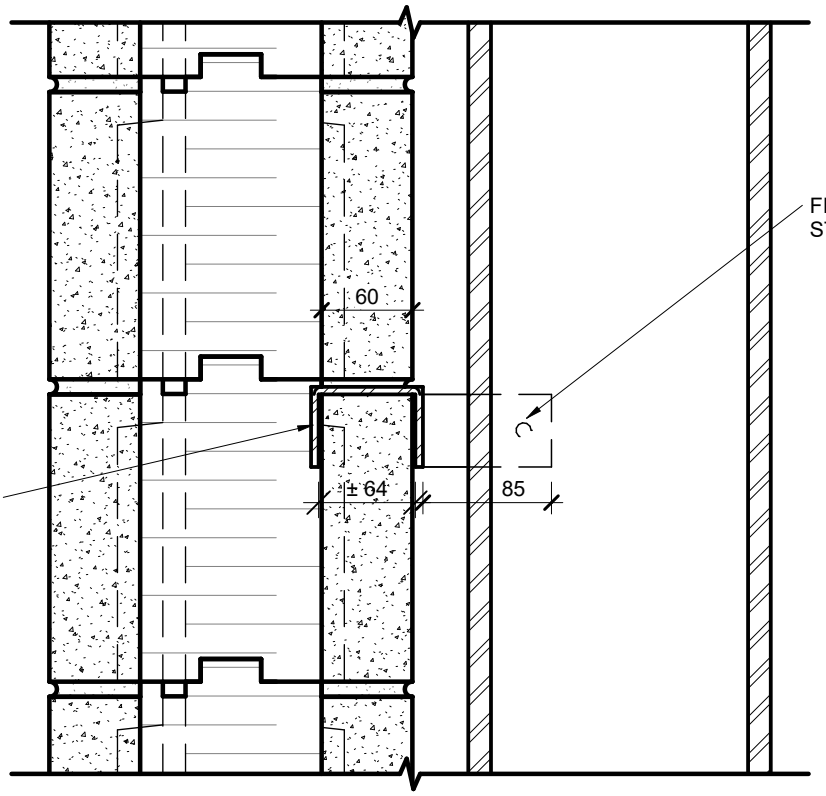
AXONOMETRY OF A CONDITION WITH TIE BRACKETS



AXONOMETRY OF A TIE BRACKETS

SPAN TABLE	
LATERAL LOADS (IN KPA (LB/FT2))	**MAXIMUM BEARING SPACING** (IN M (FT))
1.2 (25.1)	3 (9' 10")
1 (20.8)	3.6 (11' 10")
0.8 (16.7)	4.5 (14' 9")
0.5 (10.4)	5.2 (17' 0")
0.2 (4.2)	6 (19' 8")

NOTE: THE VALUES INDICATED IN THIS TABLE ARE ONLY VALID IF THE REQUIREMENTS BELOW ARE MET. FOR ANY OTHER CONDITIONS, PLEASE CONTACT ISOBLOC'S TECHNICAL SERVICE.



ISOBLOC
INSULATED MASONRY

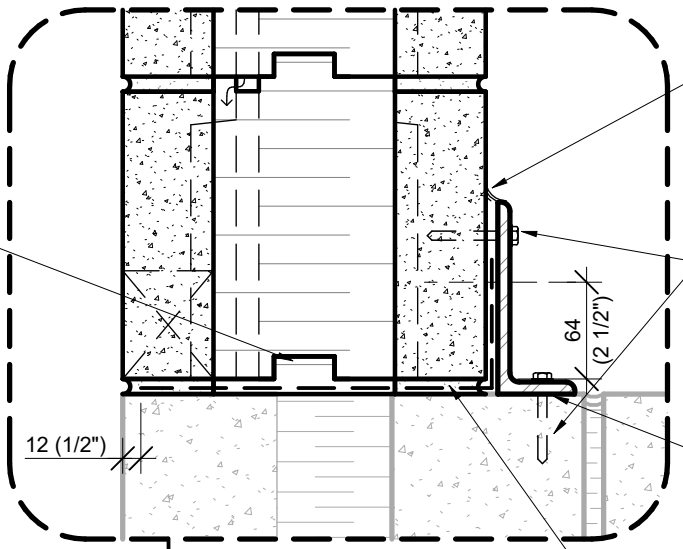
ISB.E.02

TYPICAL DETAIL - TIE BRACKET - LATERAL AND SEISMIC RESTRAINT

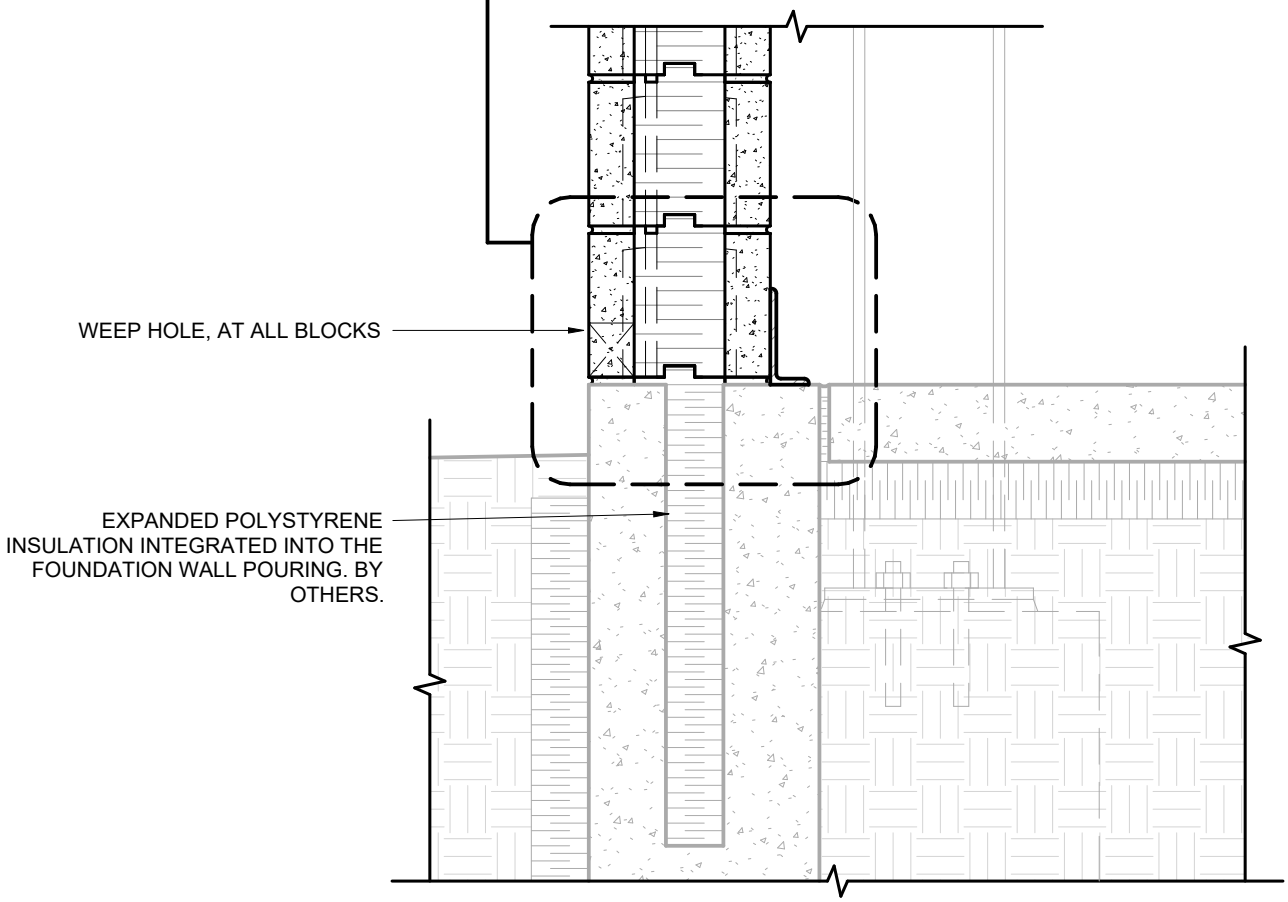
SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



02 SCALE : 1 : 5



01 SCALE : 1 : 10

ISOBLOC
INSULATED MASONRY

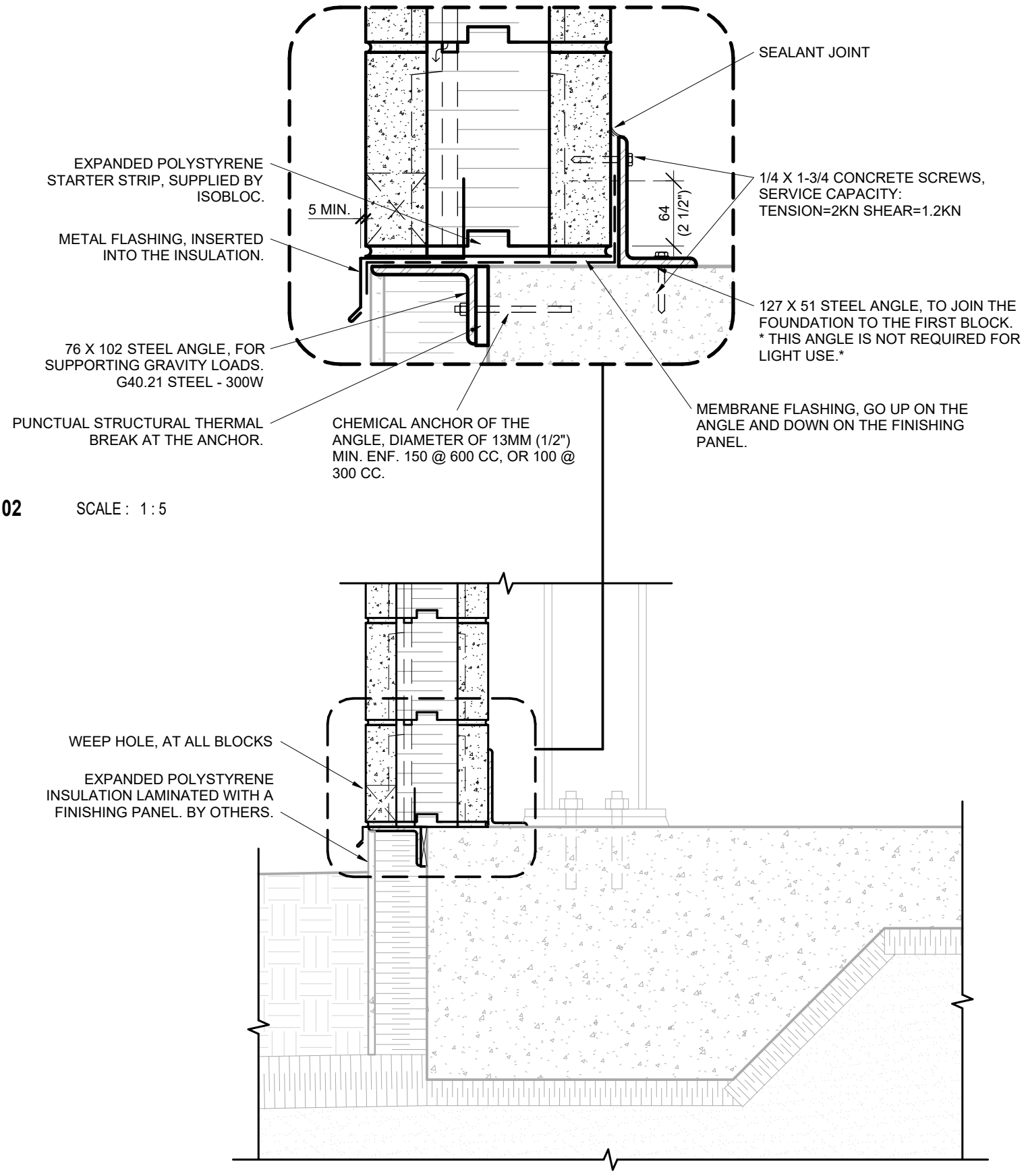
ISB.F.01

TYPICAL DETAIL - FOUNDATION JUNCTION - INSULATION EMBEDDED IN CONCRETE

SCALE : Comme indiqué

DRW : T.D.

REV : 01-2026



02 SCALE : 1 : 5

01 SCALE : 1 : 10

ISOBLOC
INSULATED MASONRY

ISB.F.02

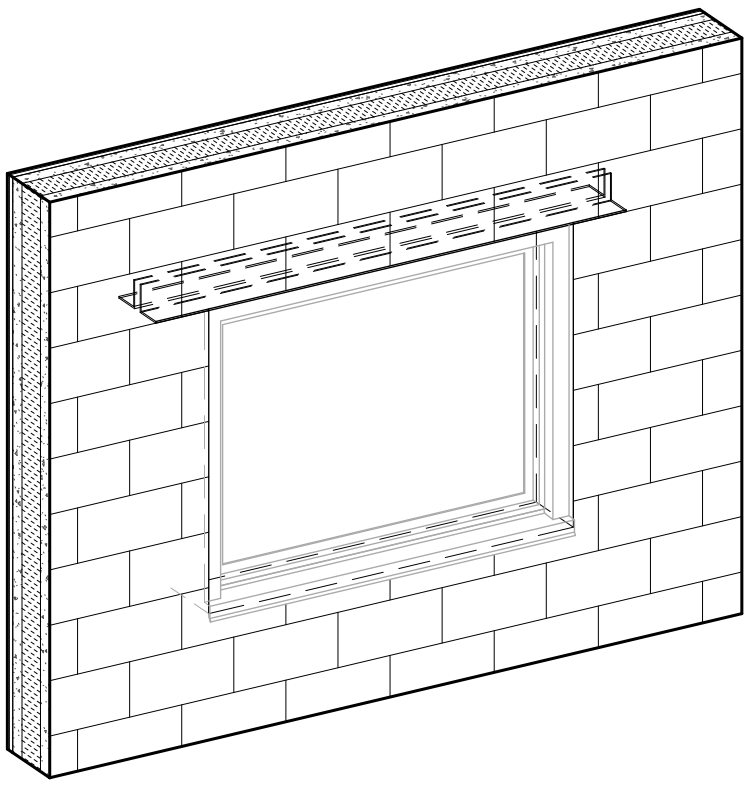
TYPICAL DETAIL - FOUNDATION - CONTINUOUS INSULATION INSTALLED FROM OUTSIDE

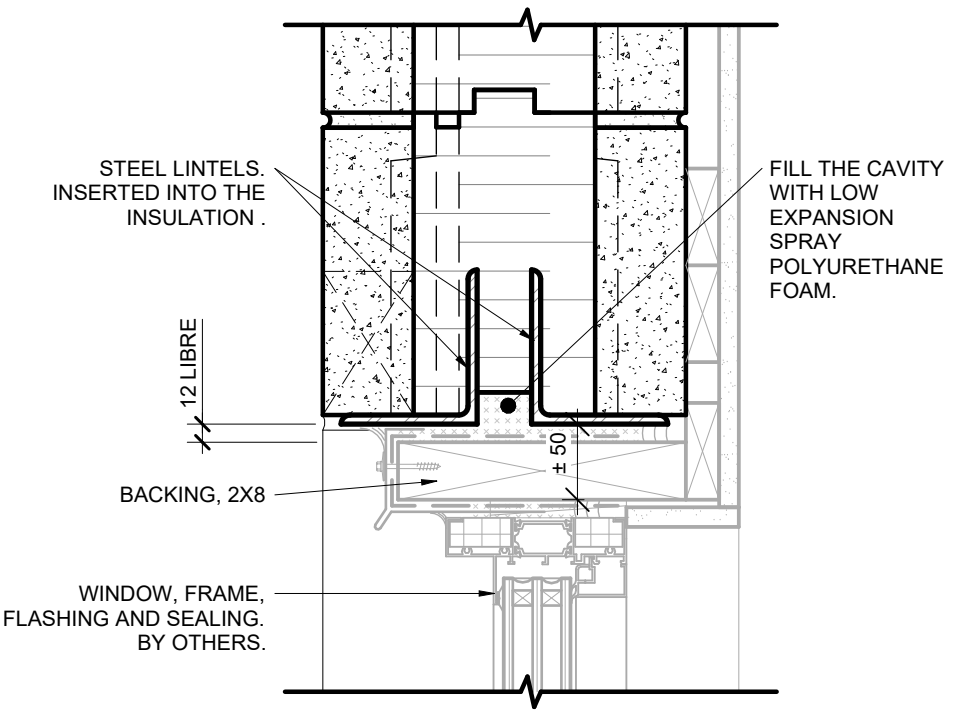
SCALE : Comme indiqué

DRW : T.D.

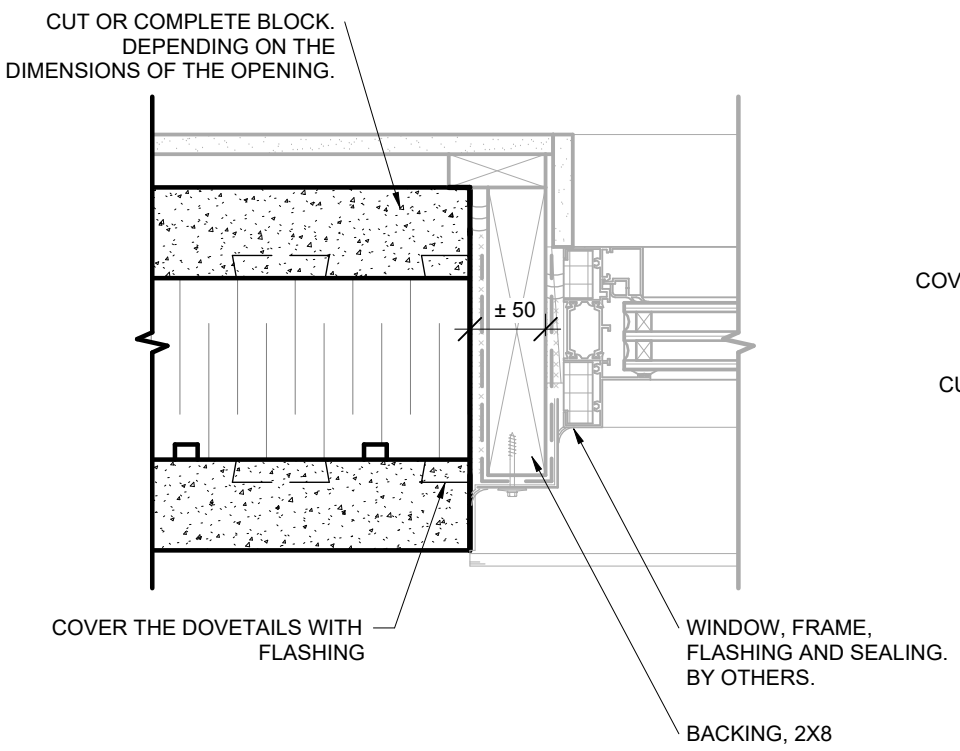
REV : 01-2026

IMPORTANT: LINTELS MUST BE PROTECTED AGAINST COROSION BY PRIMER, HOT-DIP GALVANIZATION, OR BE MADE OF STAINLESS STEEL.

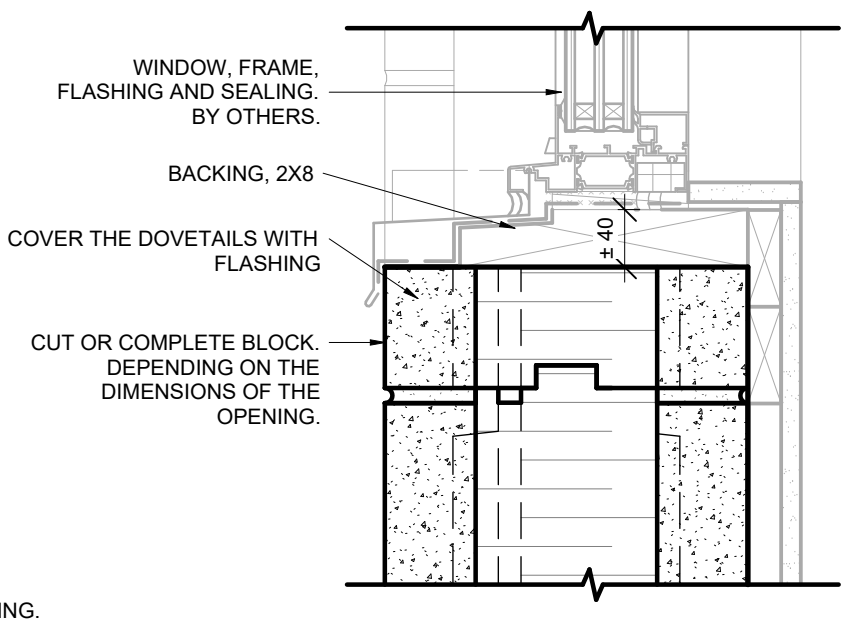




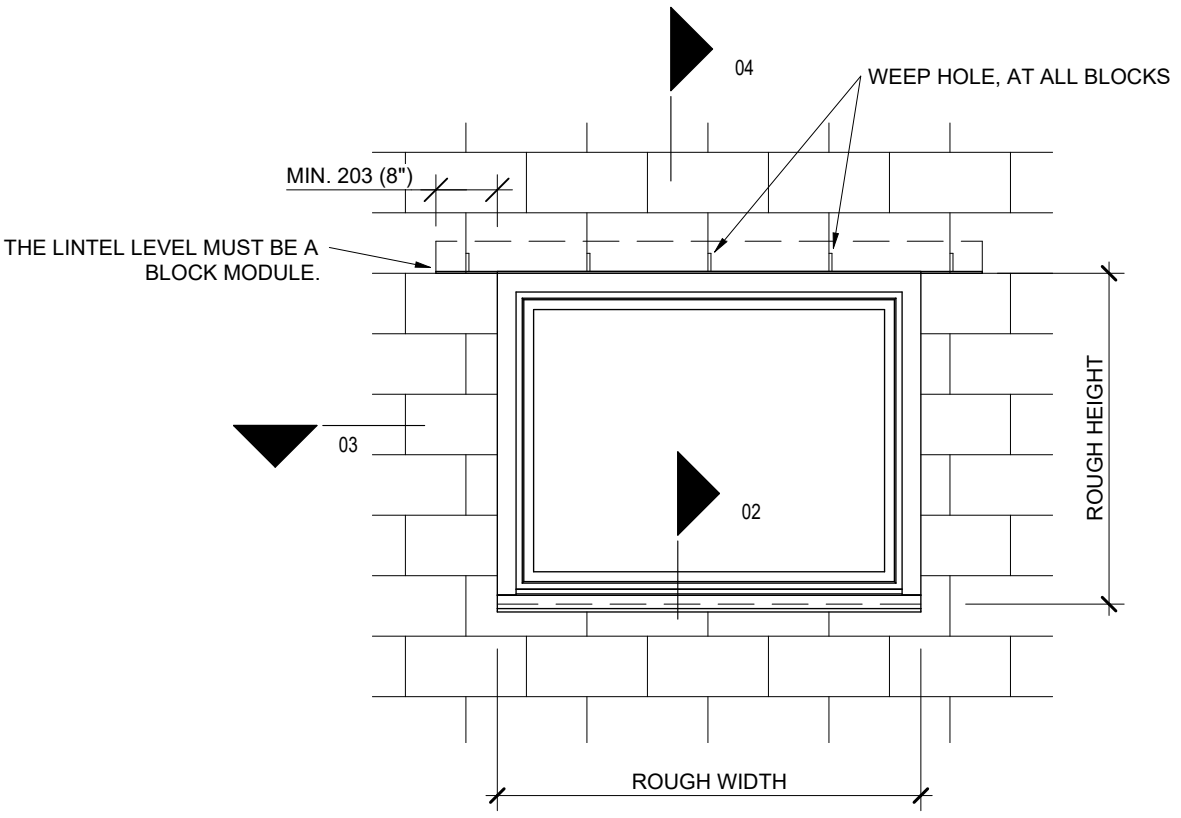
04 SCALE : 1 : 5



03 SCALE : 1 : 5



02 SCALE : 1 : 5



01 SCALE : 1 : 25

ISOBLOC
INSULATED MASONRY

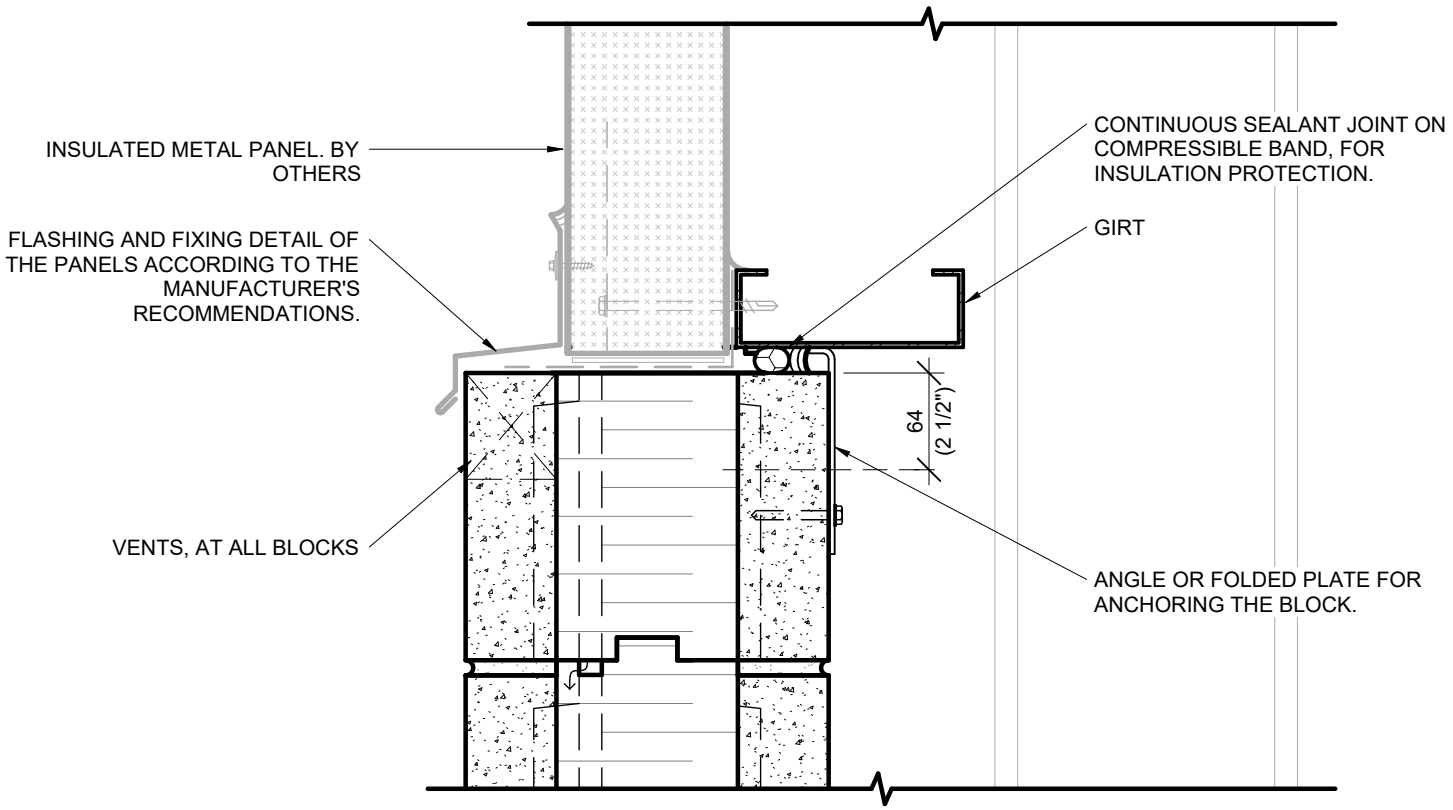
ISB.FE.01

TYPICAL DETAIL - WINDOW IN ISOBLOC WALL

SCALE :Comme indiqué

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

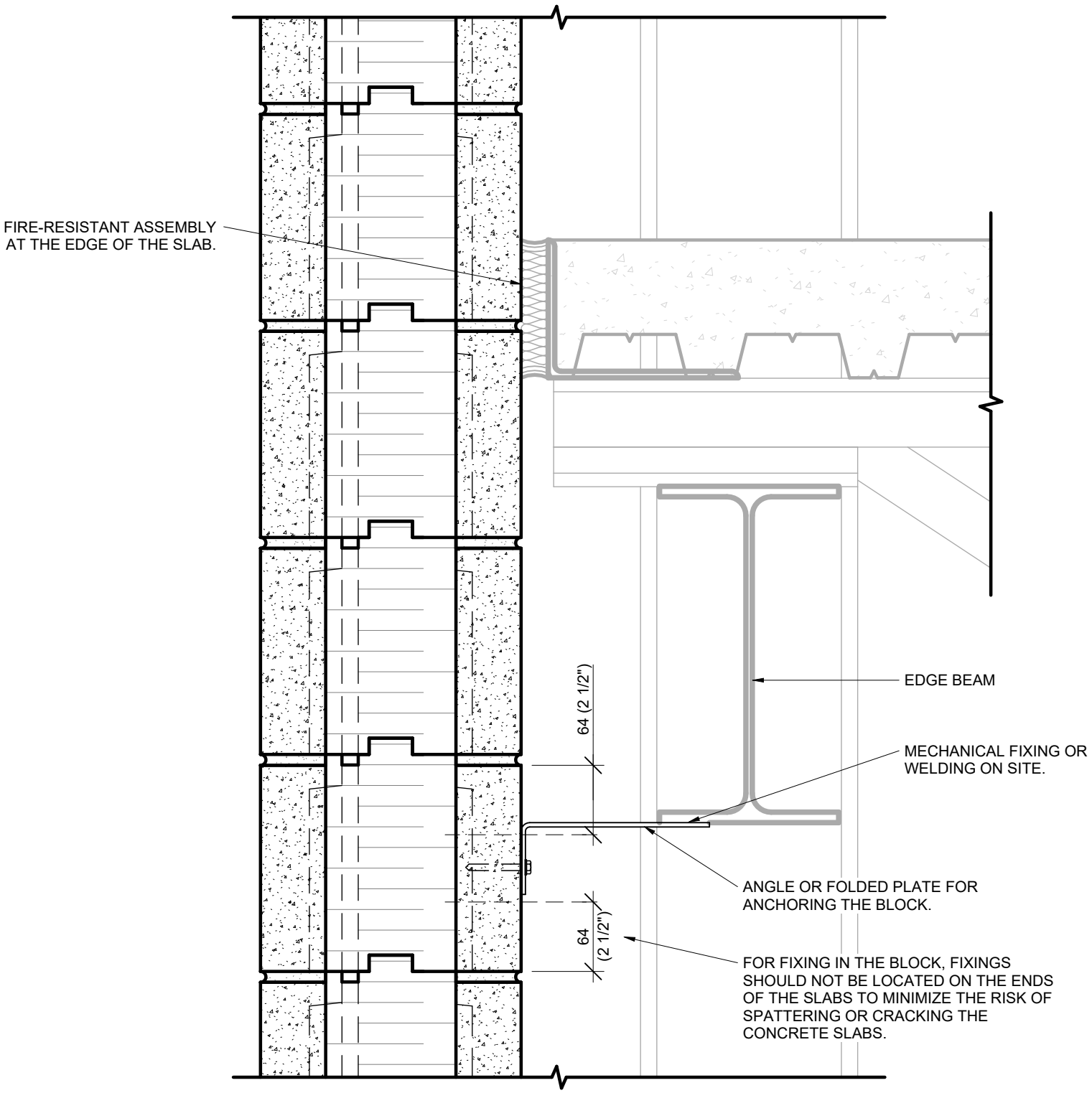
ISB.PI.01

TYPICAL DETAIL - JUNCTION WITH AN INSULATED METAL PANEL

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

ISB.PL.01

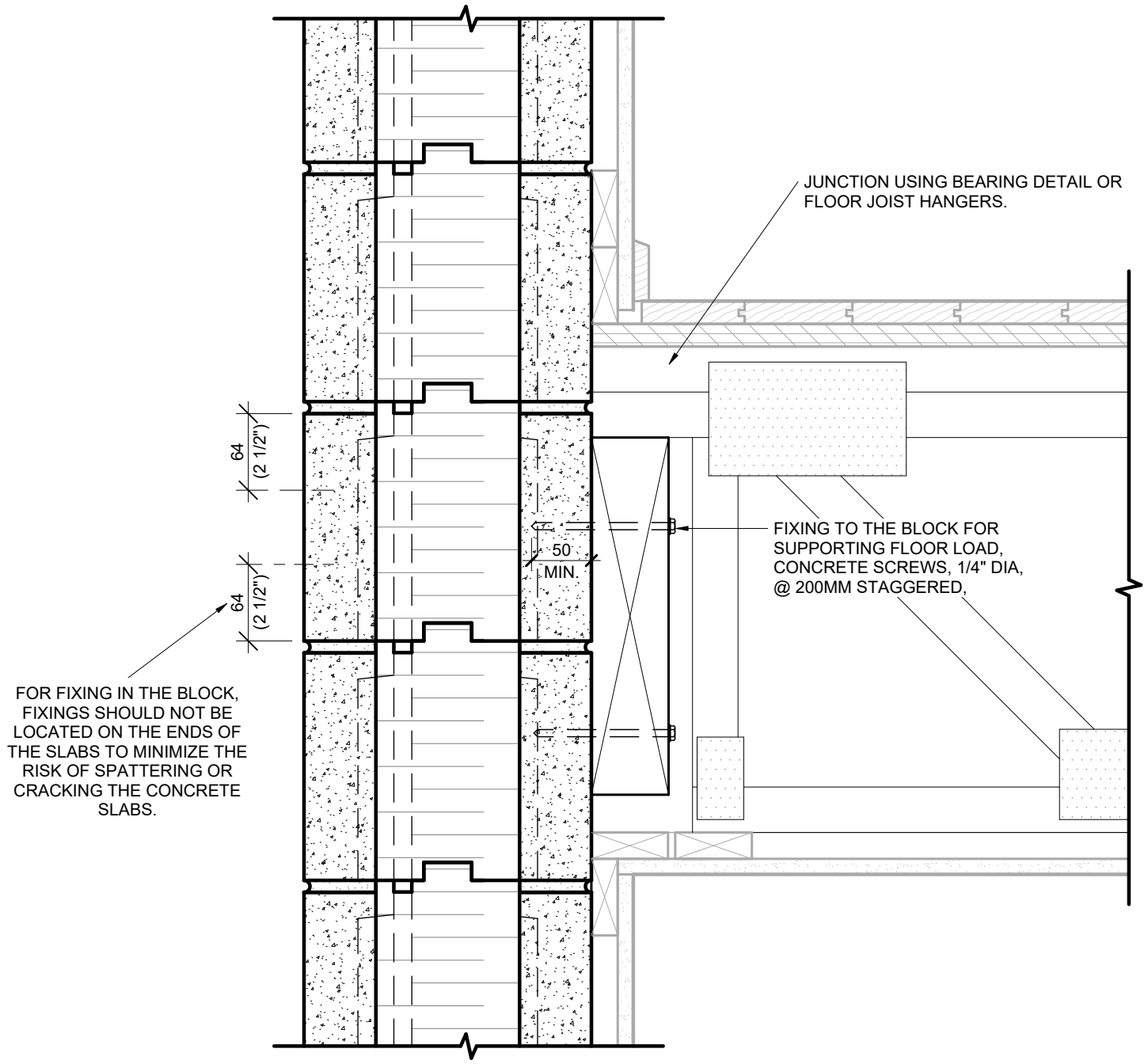
TYPICAL DETAIL - FLOOR JUNCTION - STEEL STRUCTURE AND NON-LOAD-BEARING WALL

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026

IMPORTANT: THE DESIGN OF THE FLOOR JUNCTIONS AND THE CALCULATION OF THE LOADS TO BE SUPPORTED BY THE ISOBLOC WALL MUST BE COORDINATED WITH THE JOIST MANUFACTURER. ISOBLOC DISCLAIMS ANY LIABILITY FOR THE USE OF ITS PRODUCTS WITHOUT PRIOR CONSULTATION WITH ONE OF ITS DULY AUTHORIZED REPRESENTATIVES.



ISOBLOC
INSULATED MASONRY

ISB.PL.02

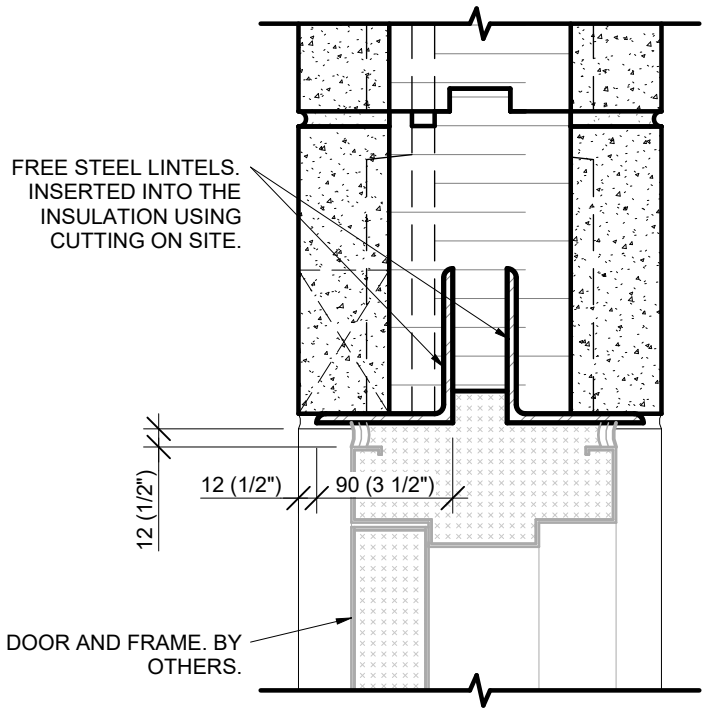
TYPICAL DETAIL - FLOOR JUNCTION - WOOD FRAME AND LOAD-BEARING WALL

SCALE : 1 : 5

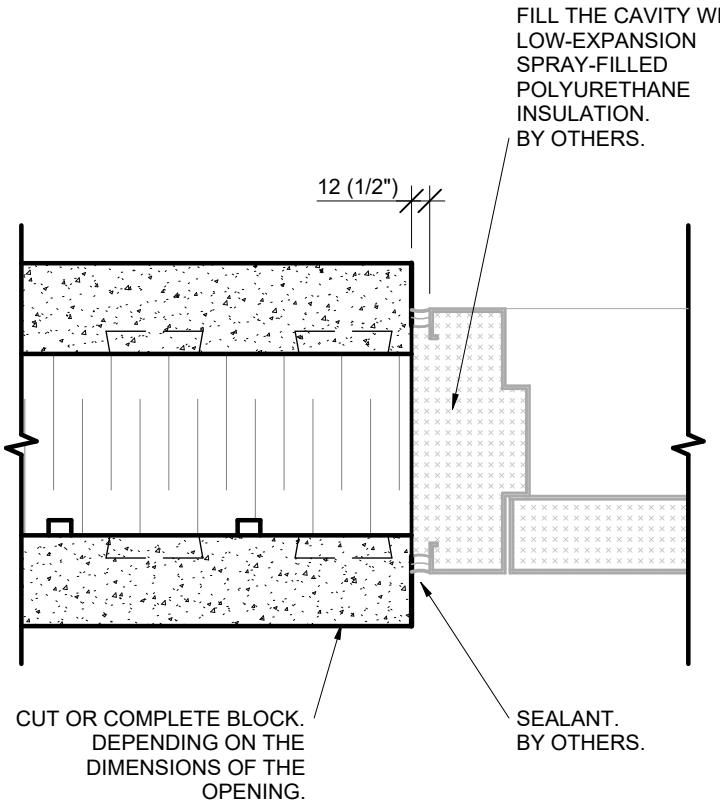
DRW : T.D.

REV : 01-2026

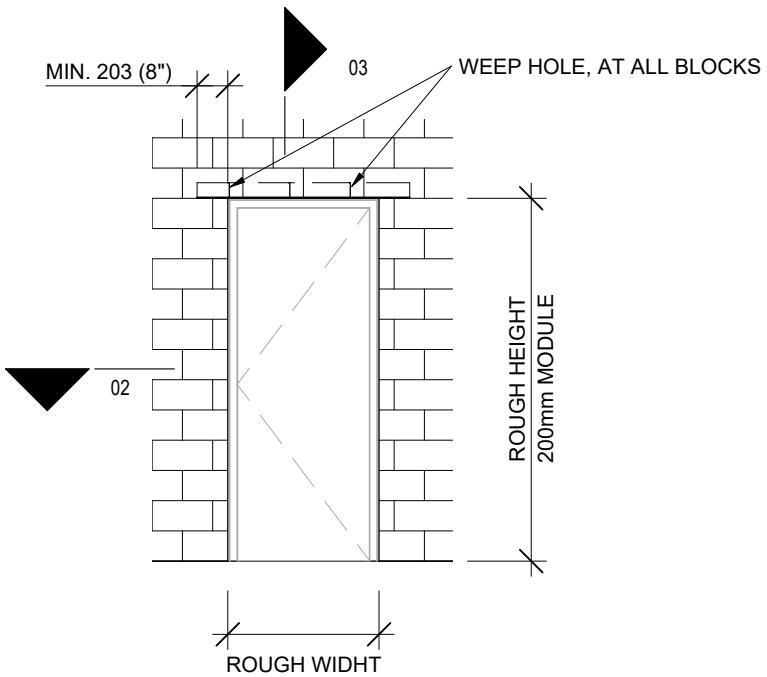
IMPORTANT: LINTELS MUST BE PROTECTED AGAINST COROSION BY PRIMER, HOT-DIP GALVANIZATION, OR BE MADE OF STAINLESS STEEL.



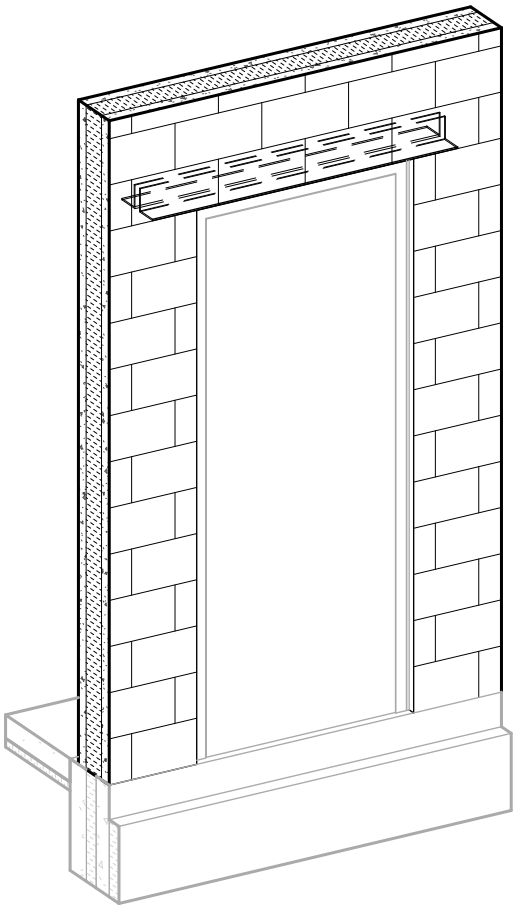
03 SCALE : 1 : 5



02 SCALE : 1 : 5



01 SCALE : 1 : 50



ISOBLOC
INSULATED MASONRY

ISB.PO.01

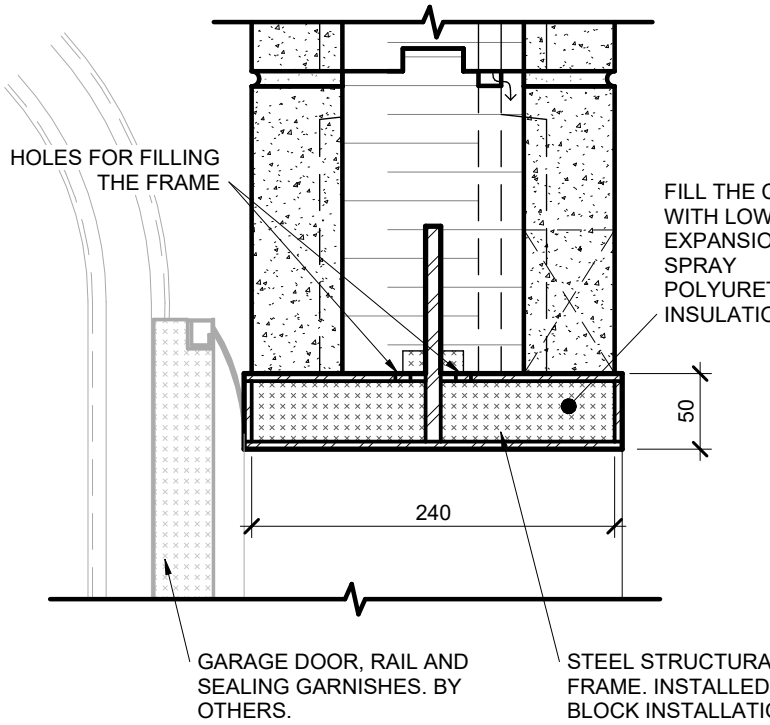
TYPICAL DETAIL - DOOR IN ISOBLOC WALL

SCALE : Comme indiqué

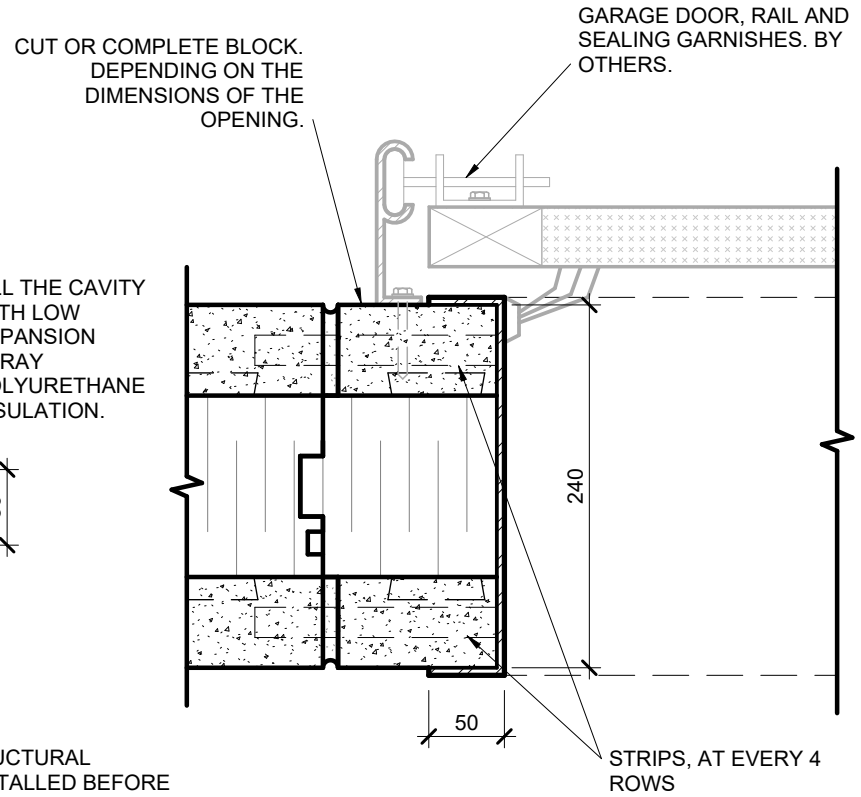
DRW : T.D.

REV : 01-2026

CUSTOM FRAME: THE FRAME MUST BE TAILORED TO MEET THE PROJECT REQUIREMENTS. THE DIMENSIONS AND THICKNESSES OF THE COMPONENTS MUST BE ADJUSTED ACCORDINGLY.

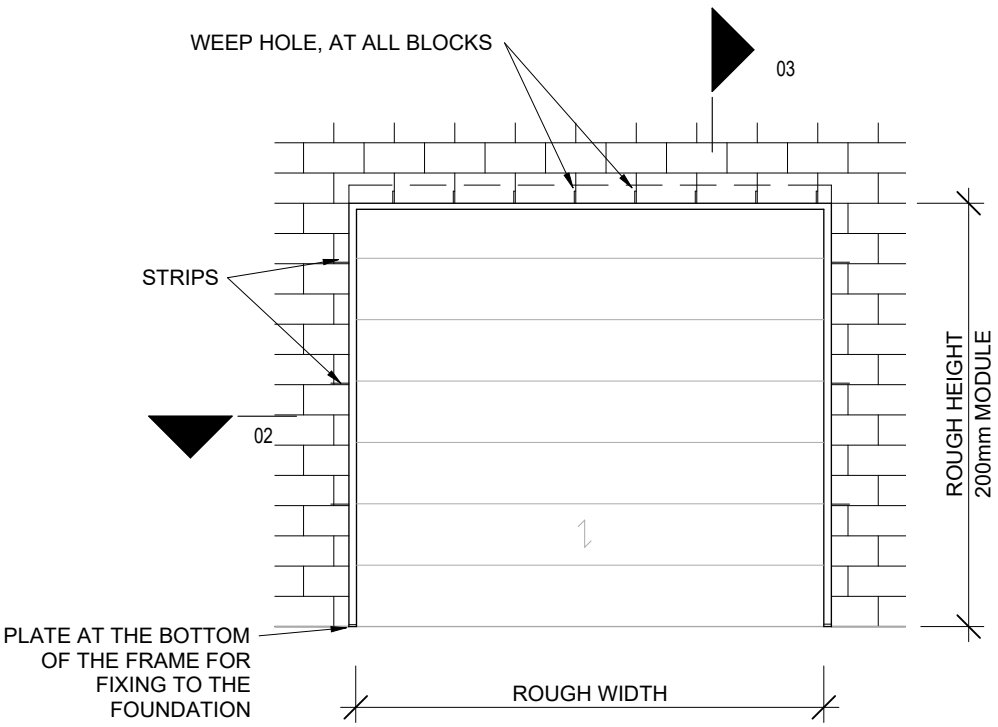


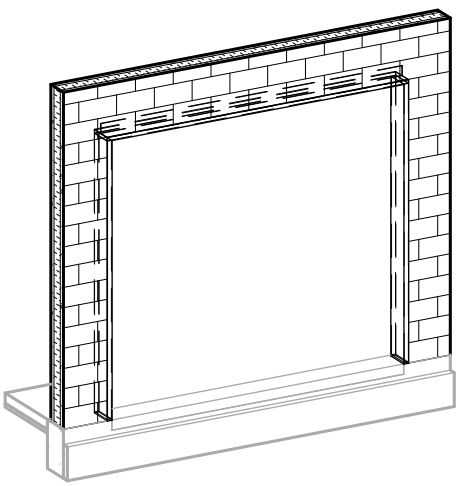
03 SCALE : 1 : 5



02 SCALE : 1 : 5

IMPORTANT: THE FRAME MUST BE PROTECTED AGAINST COROSION USING A PRIMER, HOT-DIP GALVANIZING OR BE MADE OF STAINLESS STEEL.





01 SCALE : 1 : 50

ISOBLOC INSULATED MASONRY

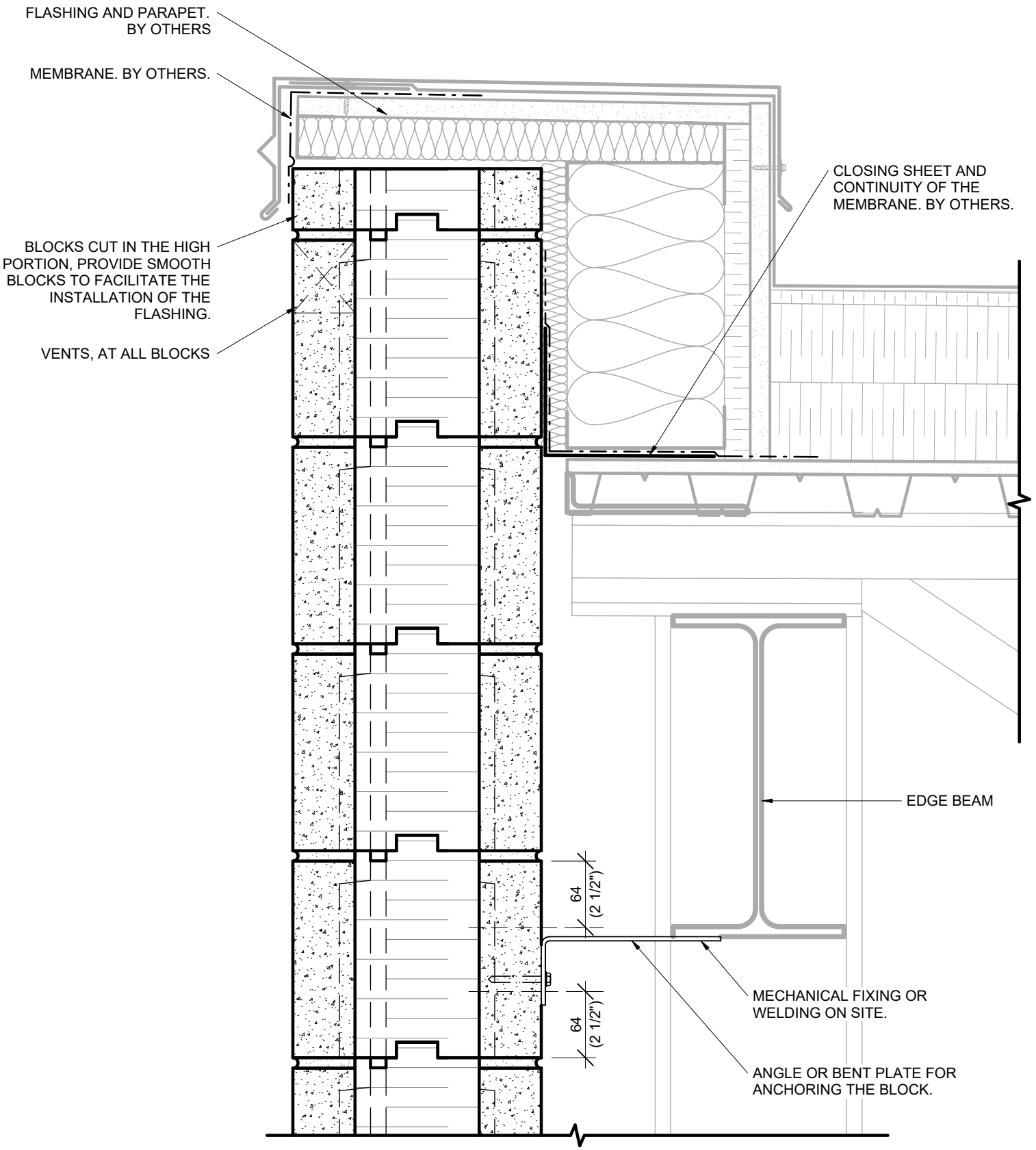
ISB.PO.02

TYPICAL DETAILS - GARAGE DOOR IN ISOBLOC WALL

SCALE : Comme indiqué

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

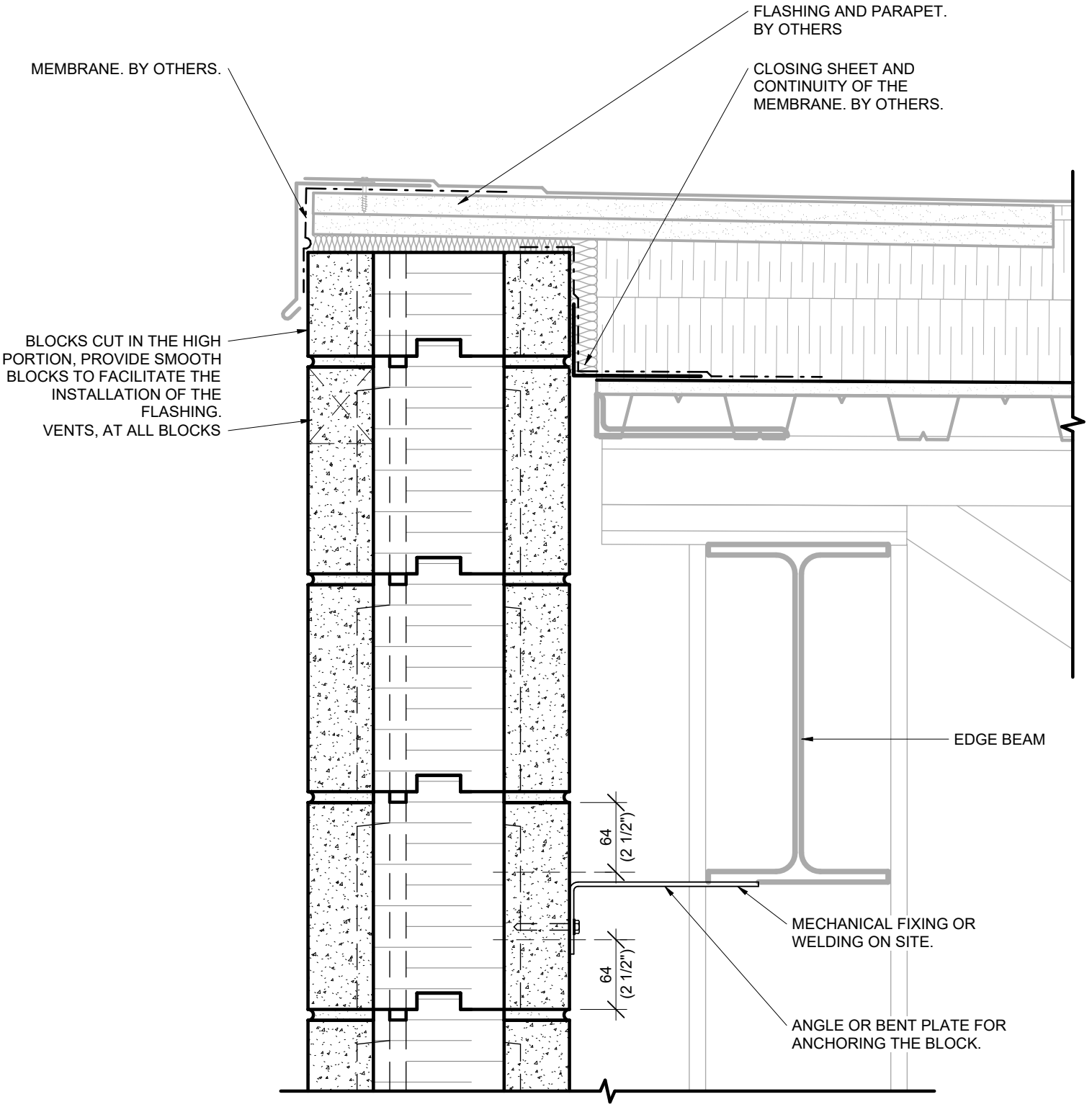
ISB.T.01

TYPICAL DETAIL - JUNCTION WITH PARAPET - STEEL STRUCTURE AND NON-LOAD-BEARING WALL

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

ISB.T.02

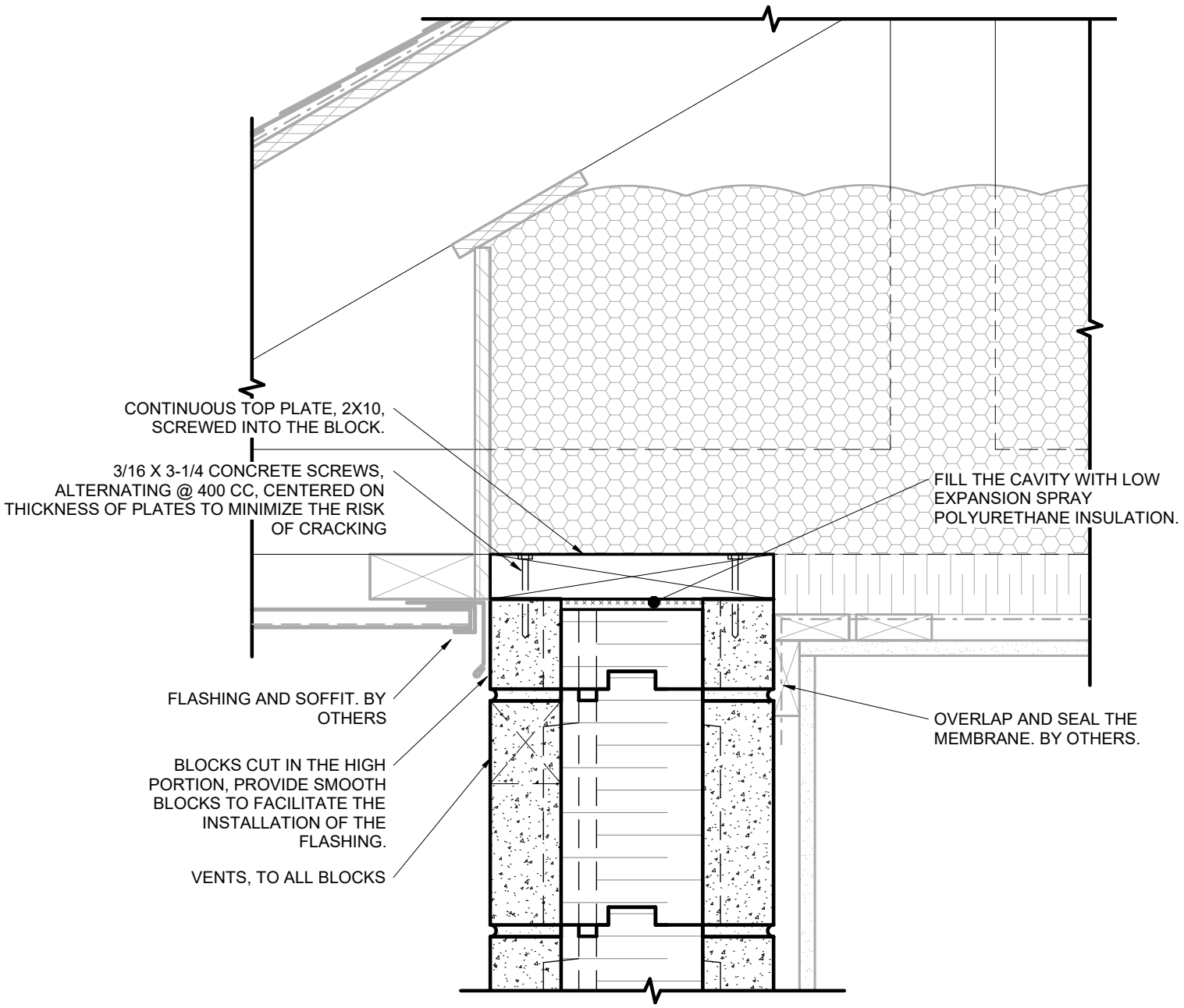
TYPICAL DETAIL - JUNCTION WITHOUT PARAPET - STEEL STRUCTURE AND NON-LOAD-BEARING WALL

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026

IMPORTANT: THE DESIGN OF ROOF TRUSSES MUST PREVENT THE ROOF FROM LIFTING. TO BE COORDINATED WITH THE TRUSSES MANUFACTURER. ISOBLOC DISCLAIMS ALL LIABILITY FOR THE USE OF ITS PRODUCTS WITHOUT PRIOR CONSULTATION WITH ONE OF ITS DULY AUTHORIZED REPRESENTATIVES.



ISOBLOC
INSULATED MASONRY

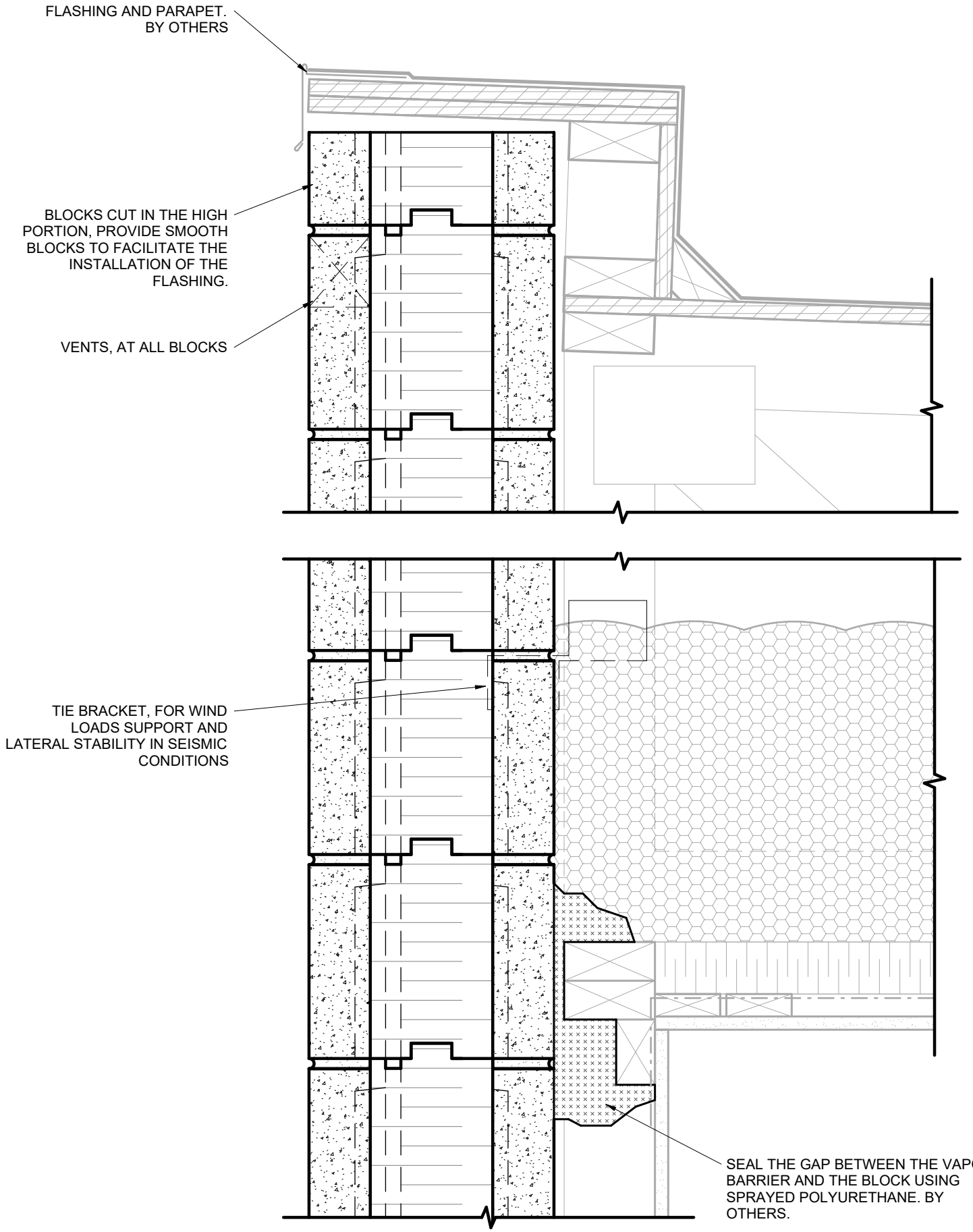
ISB.T.03

TYPICAL DETAIL - ROOF JUNCTION - WOOD FRAMING AND LOAD-BEARING WALL

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



ISOBLOC
INSULATED MASONRY

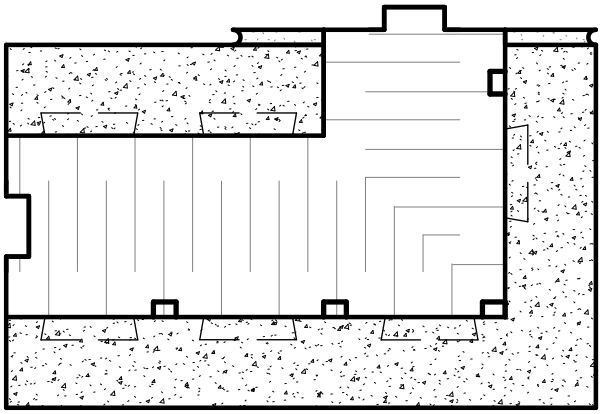
ISB.T.04

TYPICAL DETAIL - ROOF JUNCTION - WOOD FRAMING AND NON-LOAD-BEARING WALL

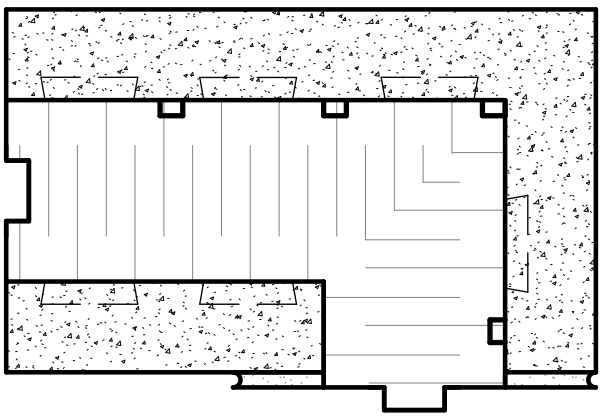
SCALE : 1 : 5

DRW : T.D.

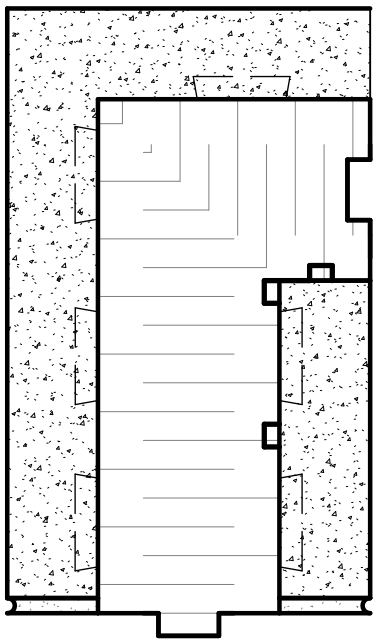
REV : 01-2026



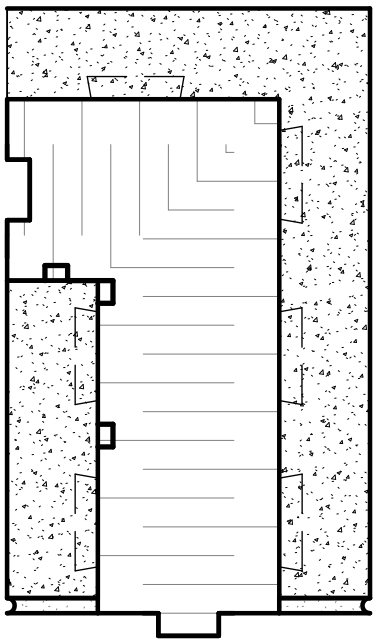
LEFT OUTSIDE CORNER



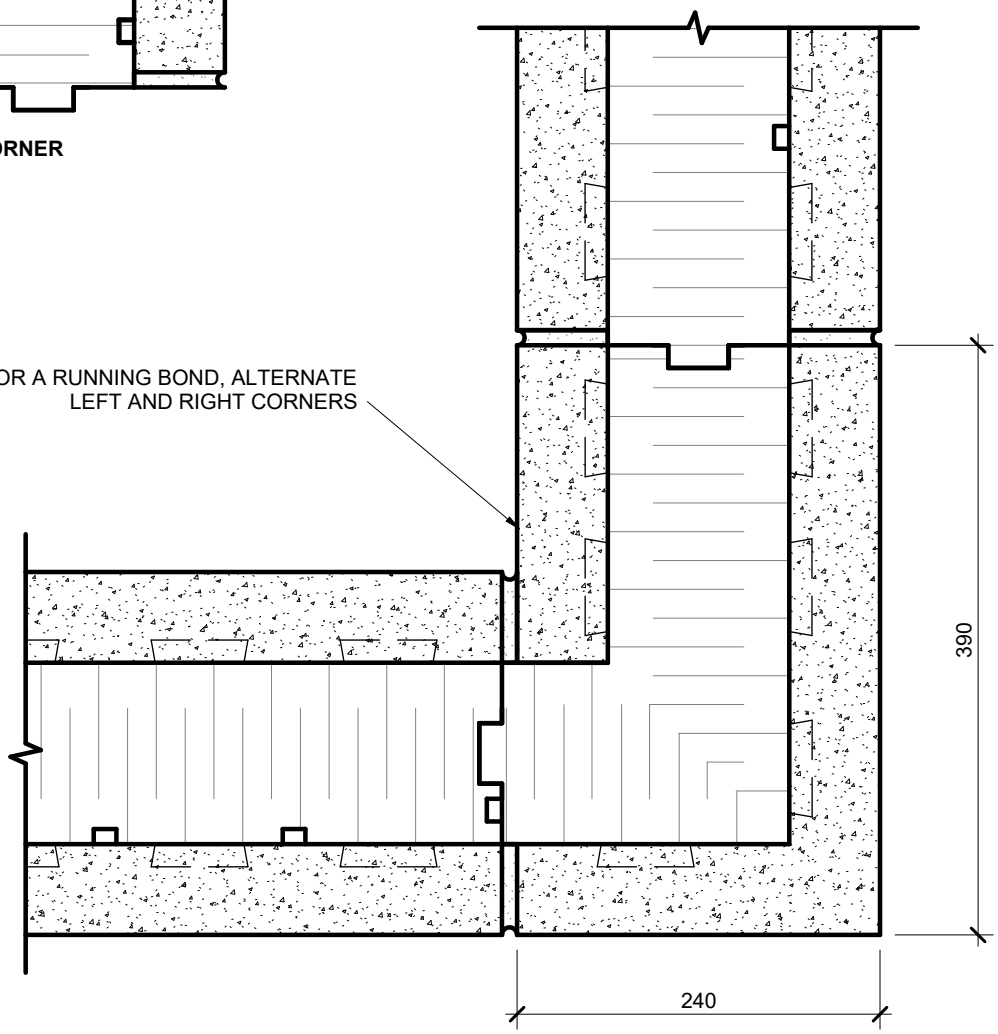
RIGHT OUTSIDE CORNER



RIGHT INSIDE CORNER



LEFT INSIDE CORNER



ISOBLOC
INSULATED MASONRY

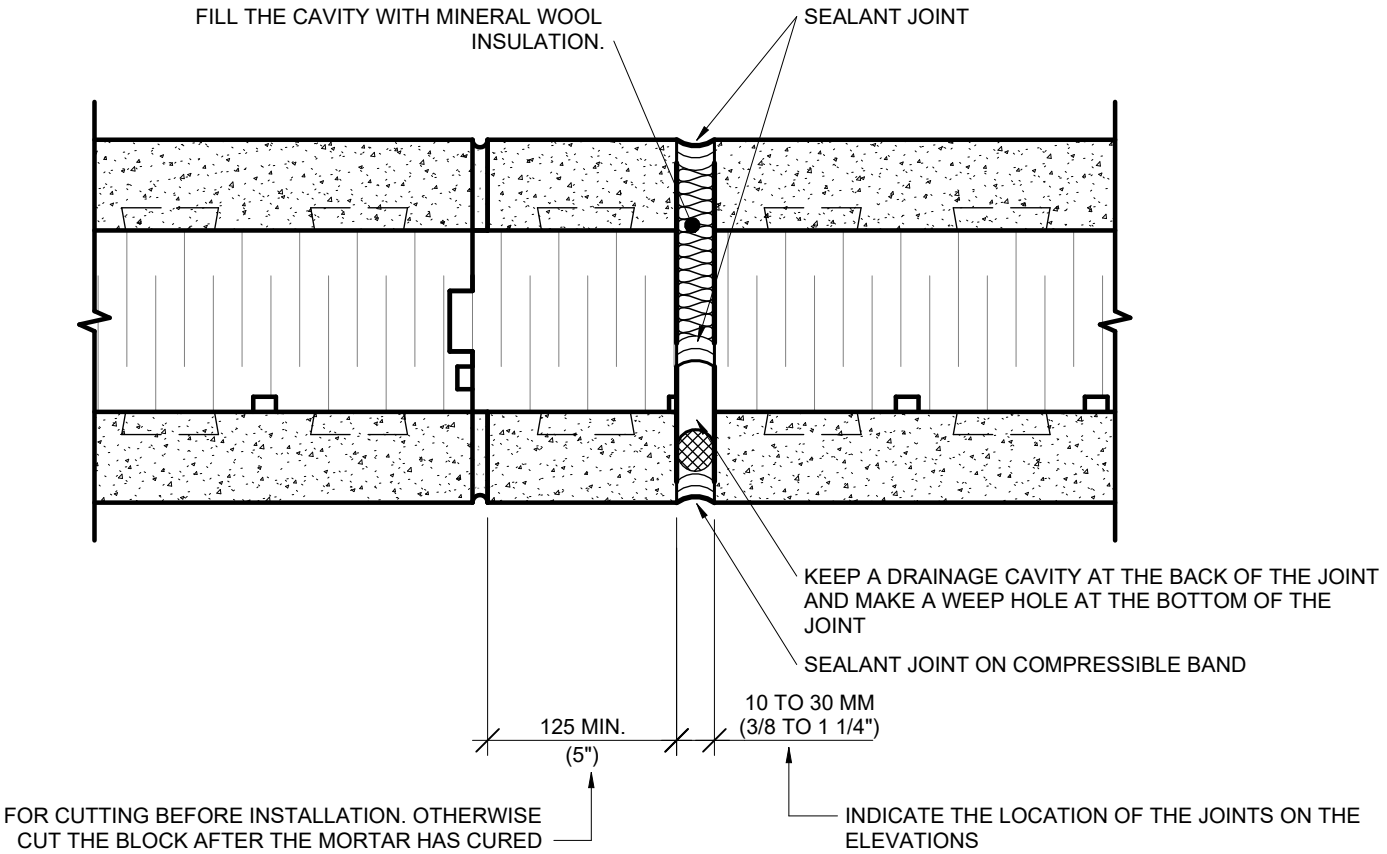
ISB.TYP.01

TYPICAL DETAIL - CORNER BLOCKS

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026



CONTROL JOINT LOCATION:

AT LEAST ONE JOINT PER FACADE. ESPECIALLY IF THE FACADE IS NOT A MULTIPLE OF THE 400MM MODULE. AS THE CORNERS ARE THE FIRST BLOCK TO BE INSTALLED, THE JOINT SERVES TO JOIN THE WALL SECTIONS.

LOCATE THE JOINTS IN THE CENTER OF THE STRUCTURE'S SPANS, IF APPLICABLE.

FOR DOORS AND WINDOWS, CONTROL JOINTS SHOULD BE AT LEAST 600MM (24IN) FROM THE JAM.

THE SPACING BETWEEN CONTROL JOINTS IS DETERMINED BY THE WIDTH OF THE CONTROL JOINTS AND THE NATURE OF THE SEALANT. FOR A SEALANT THAT HAS A MOBILITY OF ±50%. IF A JOINT WIDTH OF 10 TO 12 MM (3/8 TO ½ IN) IS DESIRED, THEN THE SPACING BETWEEN THE JOINTS WILL BE APPROXIMATELY 8 M (25 FT). IF THE WALLS ARE 12 M (40 FT) LONG, THE CONTROL JOINT WIDTH MAY NEED TO BE 22 MM (7/8 IN).

JOINTS SHOULD BE SPACED NO MORE THAN 12 M (40 FT) APART.

ISOBLOC INSULATED MASONRY

ISB.TYP.02

TYPICAL DETAIL - CONTROL JOINTS

SCALE : 1 : 5

DRW : T.D.

REV : 01-2026