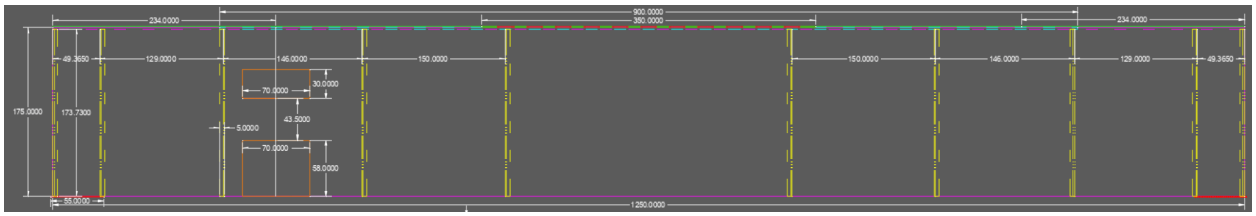
Note:

All images shown here are screenshots from AutoCAD. The resolution may be low because the drawings are to scale, and screenshots must fit the page. At the end of the document has the full-resolution drawings attached.

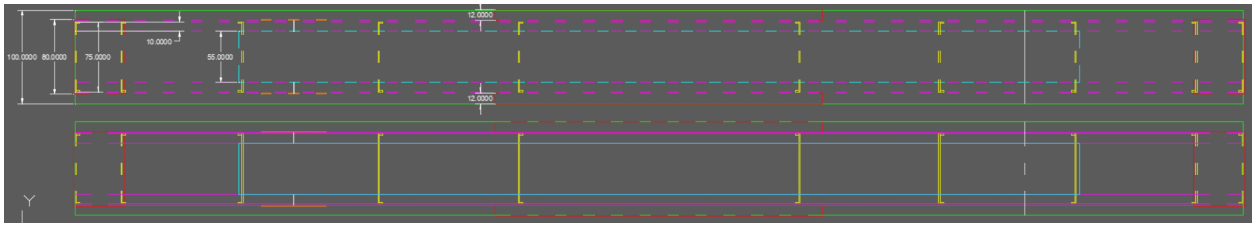
Board-cutting arrangements are only attached at the end of the file.

Diagrams with see-through portions

Elevation (Side) View



Top and Bottom View



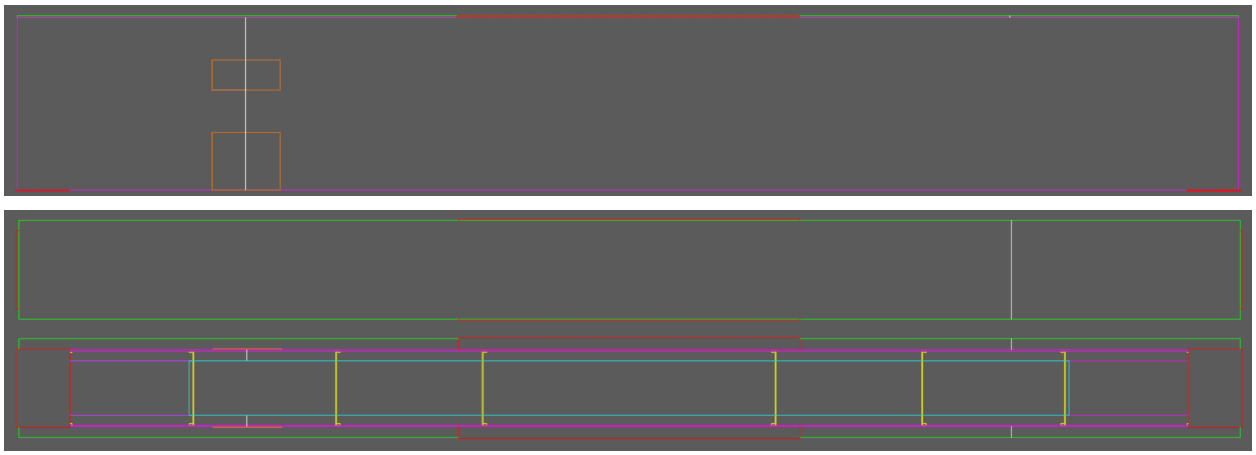
SOLID LINES = portion of the bridge that can be seen
DASH LINES = portion of the bridge that cannot be directly seen from the perspective
Bridge is symmetrical with the exception of splice connections
All dimensions are given in mm
Board thickness is 1.27mm

Description:

- Yellow dash-dot lines are the main body of the diaphragms
- Yellow dash lines are the glue connection folded from the diaphragm boards
- Red lines at bottom are the bottom support plates
- Magenta lines are the side walls and portion of side walls folded in for glue connection to top board
- Orange lines are the pieces glued to side walls to secure splice connection of the side walls
- Cyan lines are the piece of additional board glued below the top board
- Red lines on top are for a small piece that extends out from the top of the board

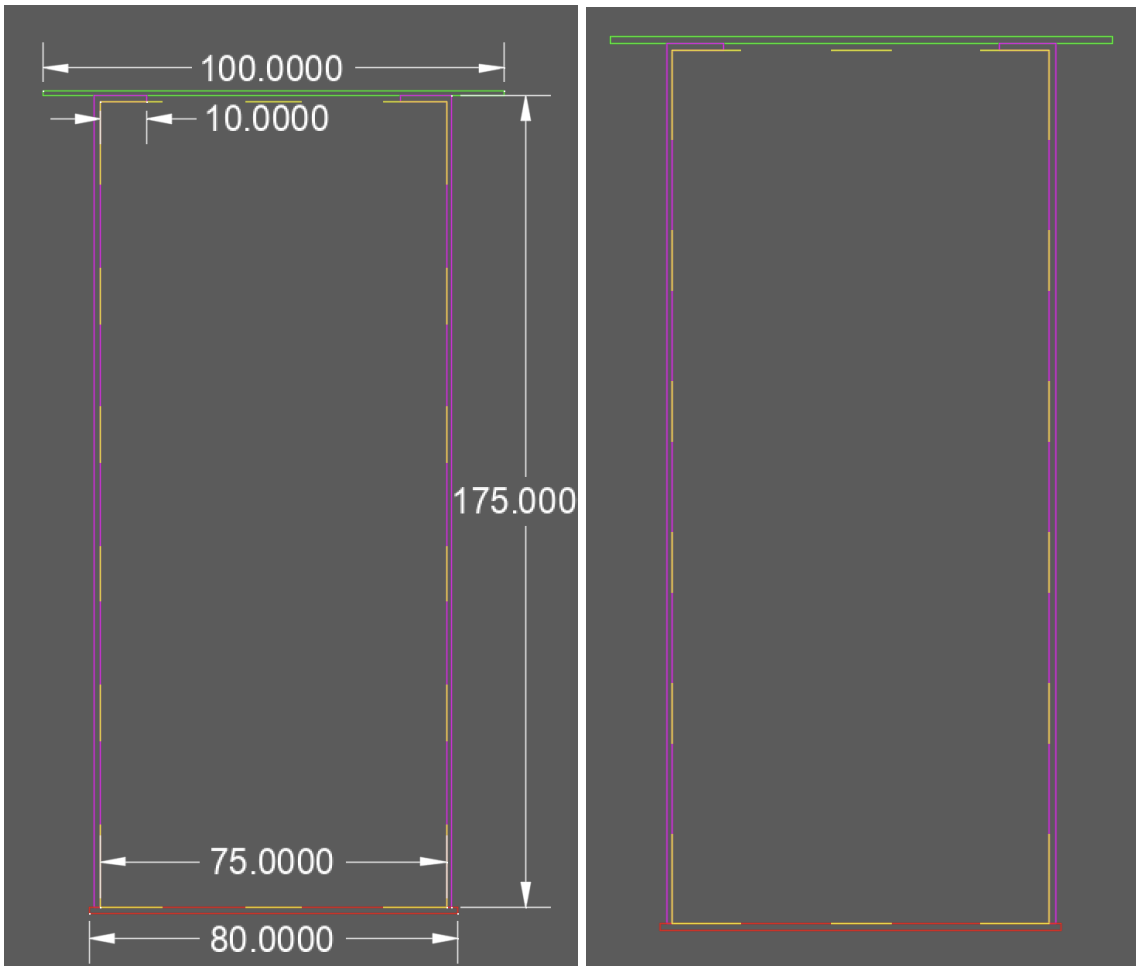
- White lines that are not a part of the dimension indicators are the splice connections

Diagrams without see-through portions

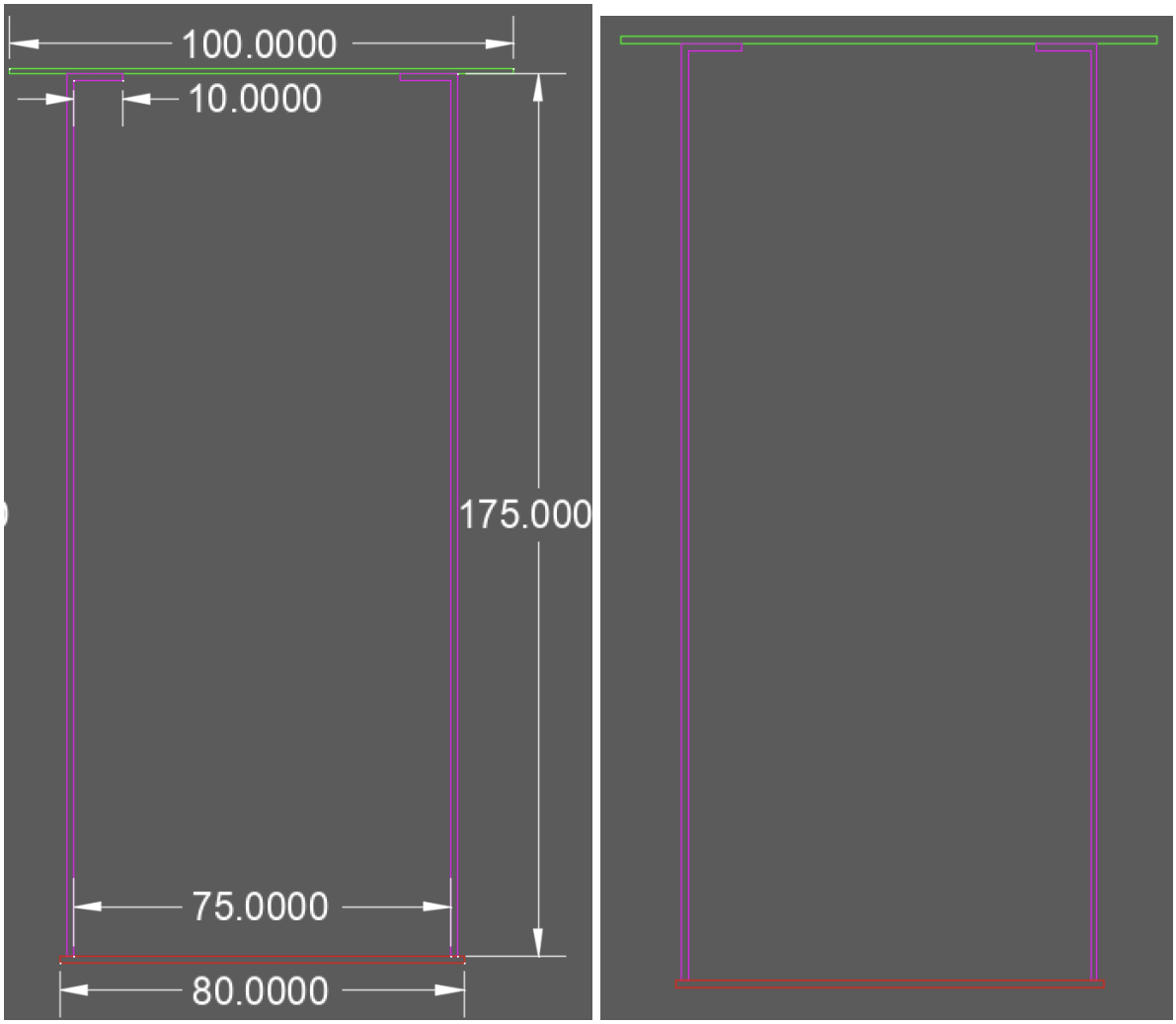


Cross-Sections

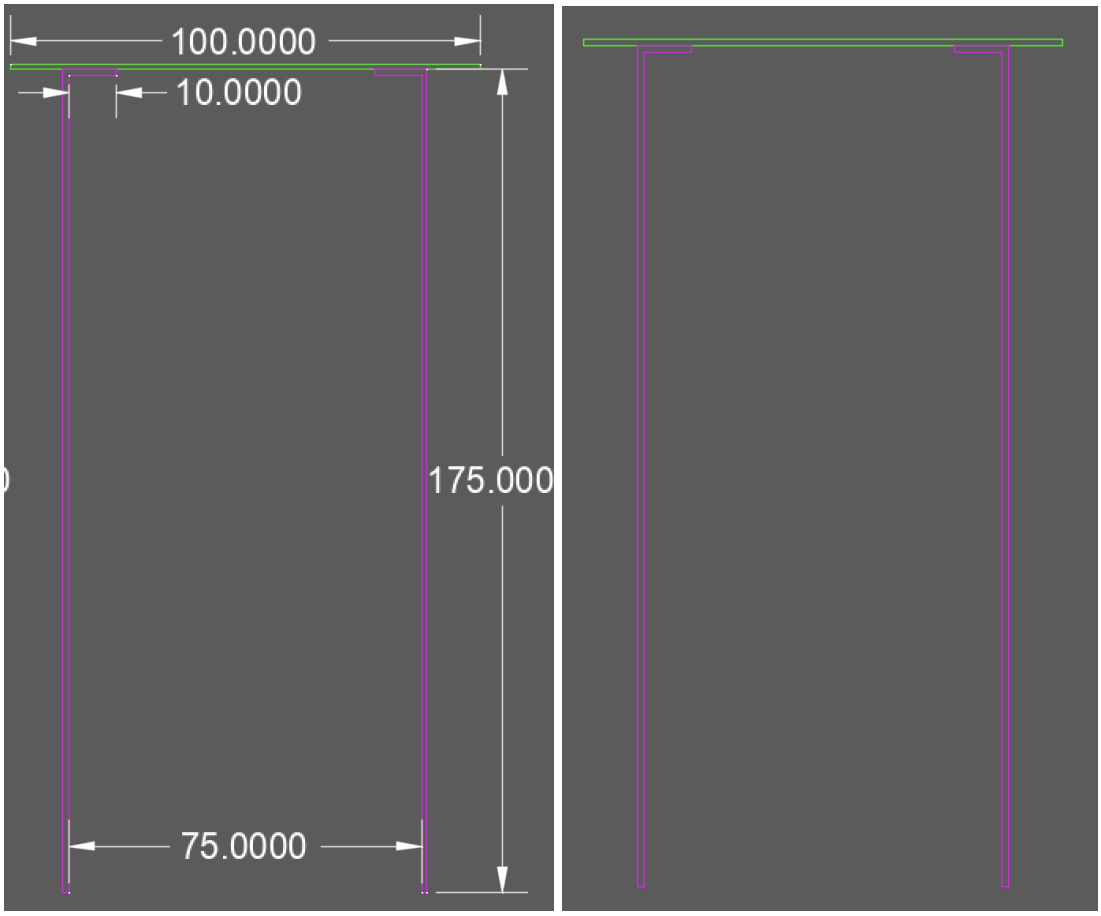
Edge of the bridge - with support bottom board and diaphragm



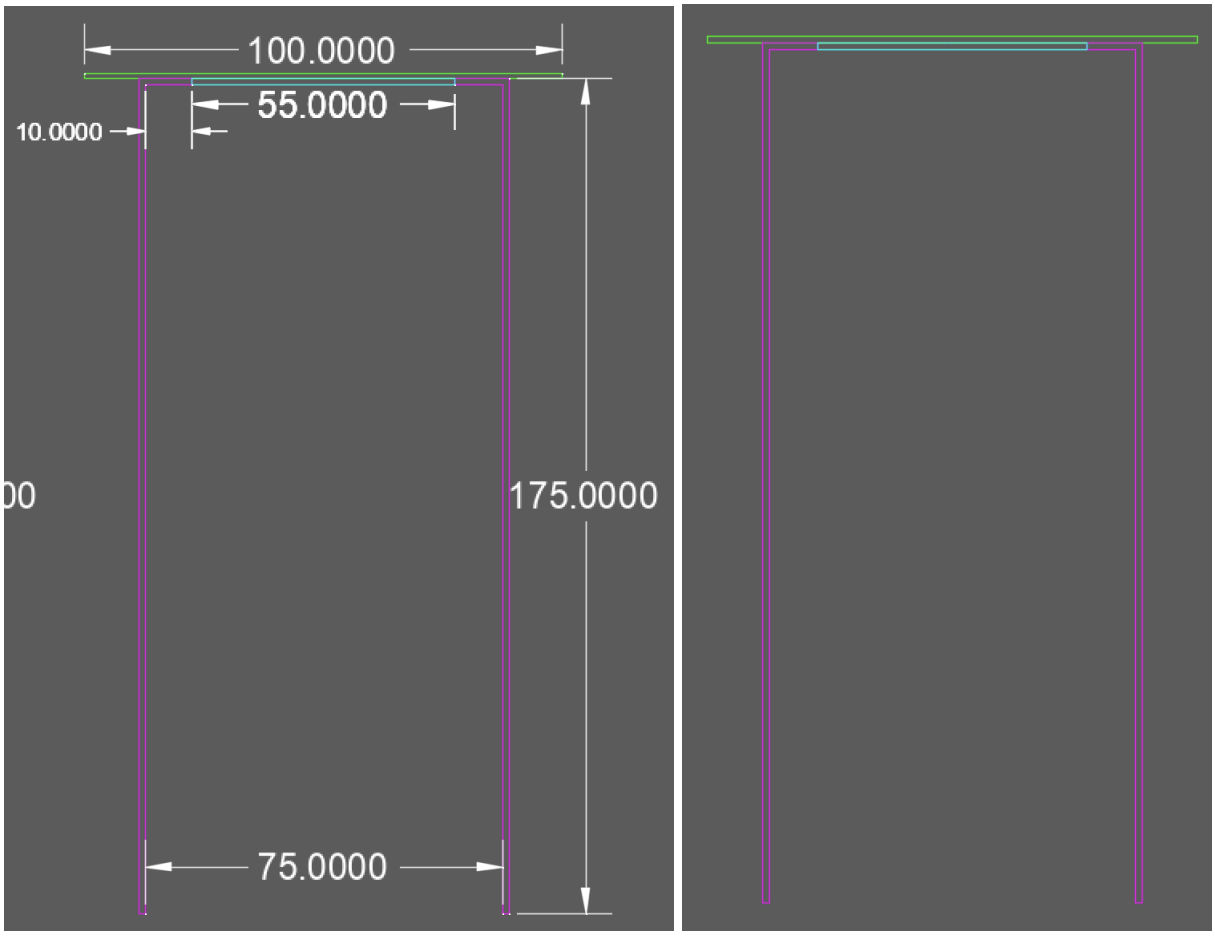
Edge of the bridge - with support bottom board



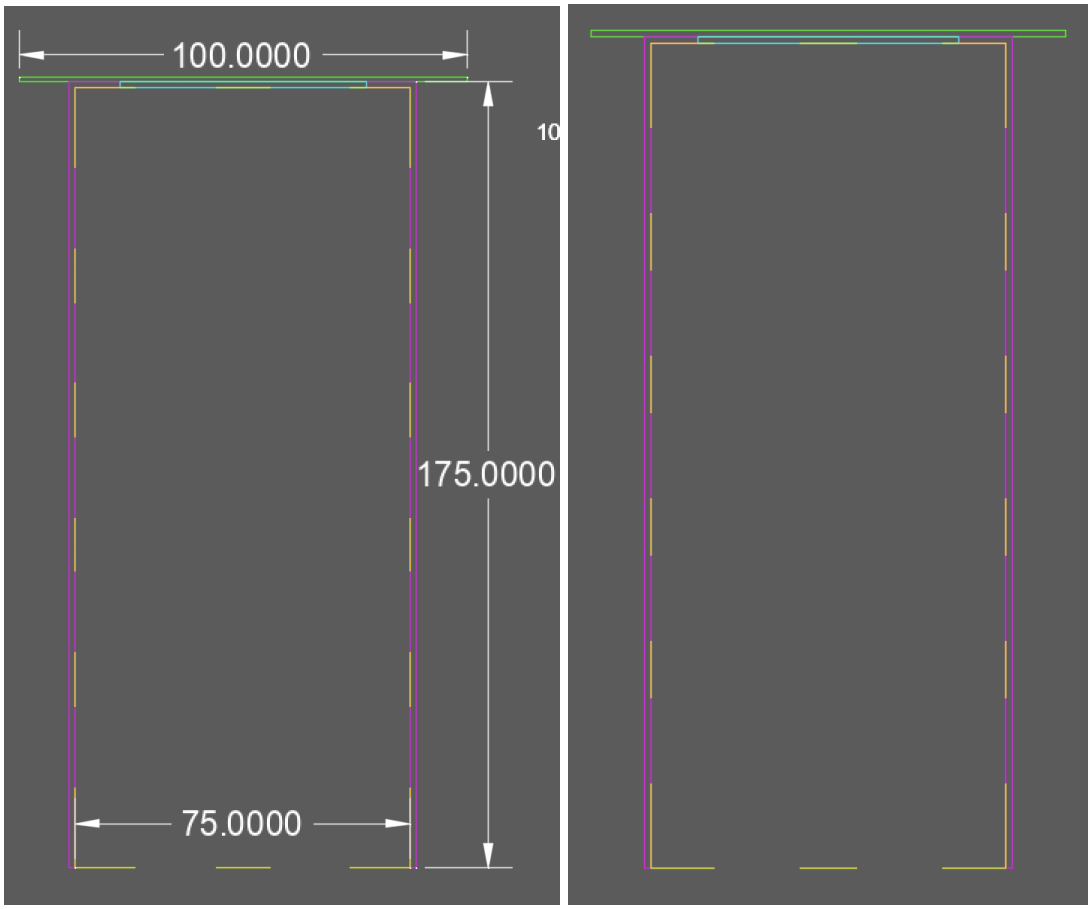
After support bottom board, before additional layer added to top board



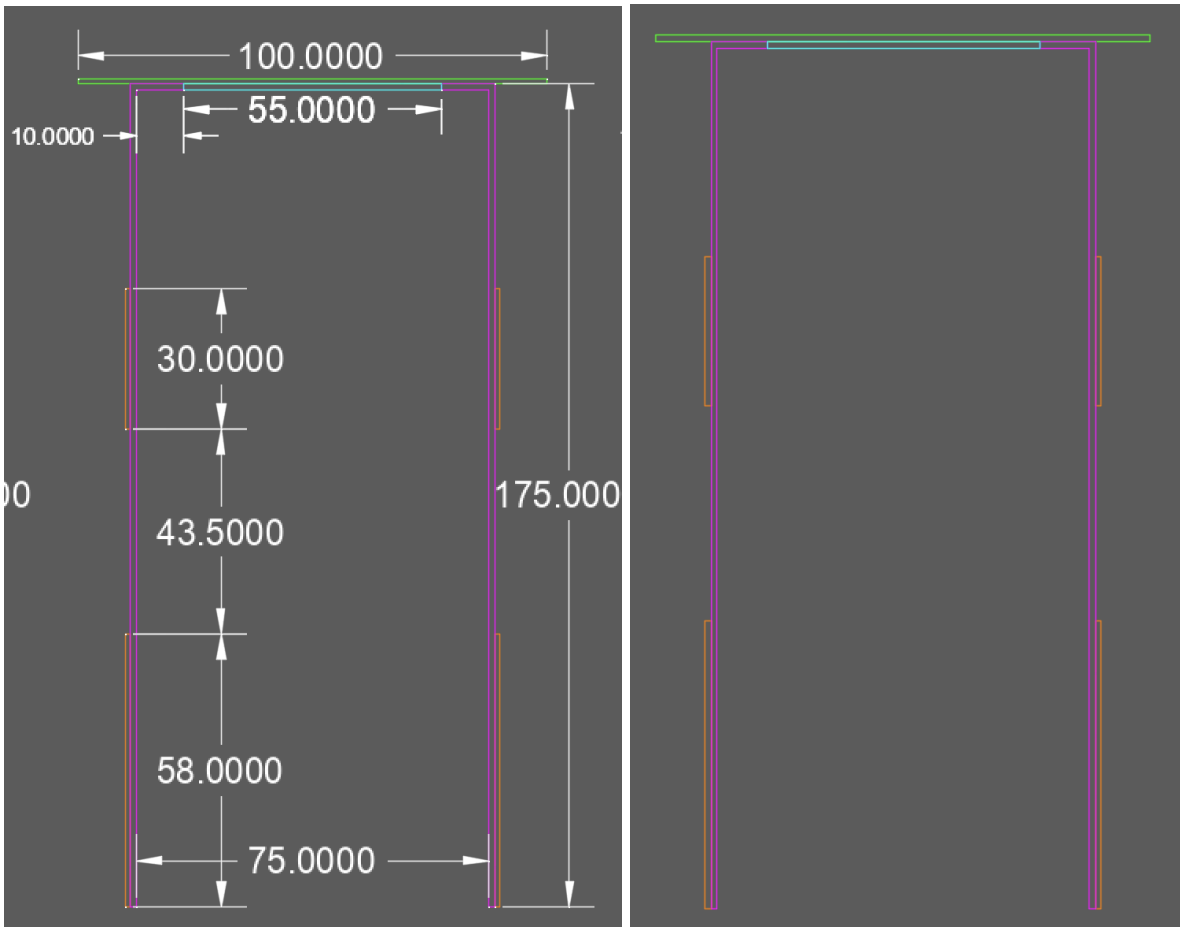
Bridge with additional layer added to top board



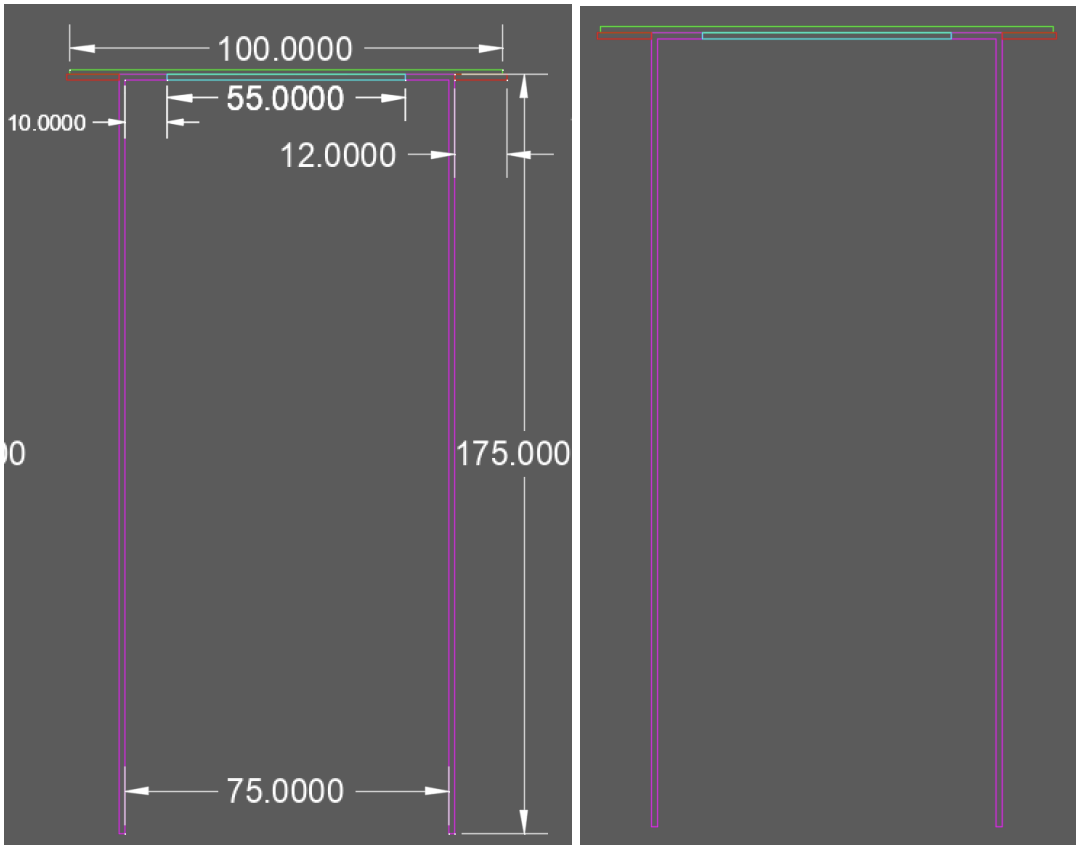
Bridge with additional layer added to top board, and diaphragm



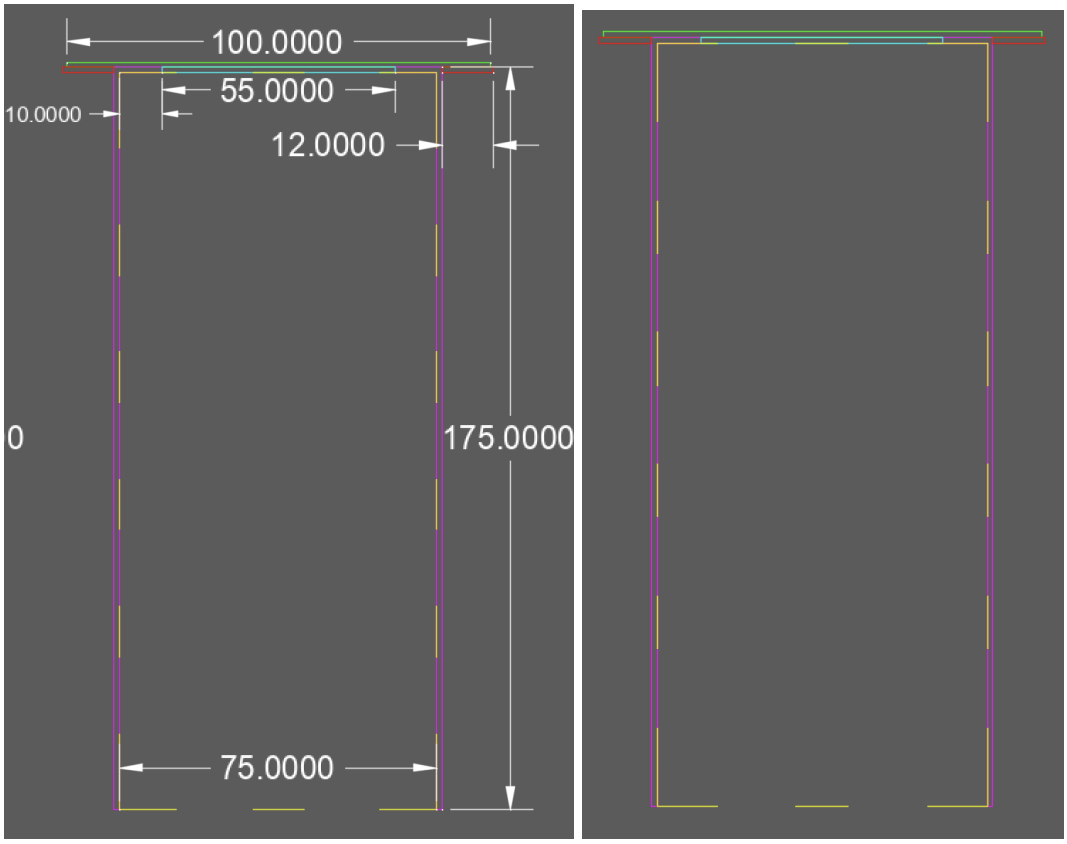
Splice connection, with splice connectors glued to side walls



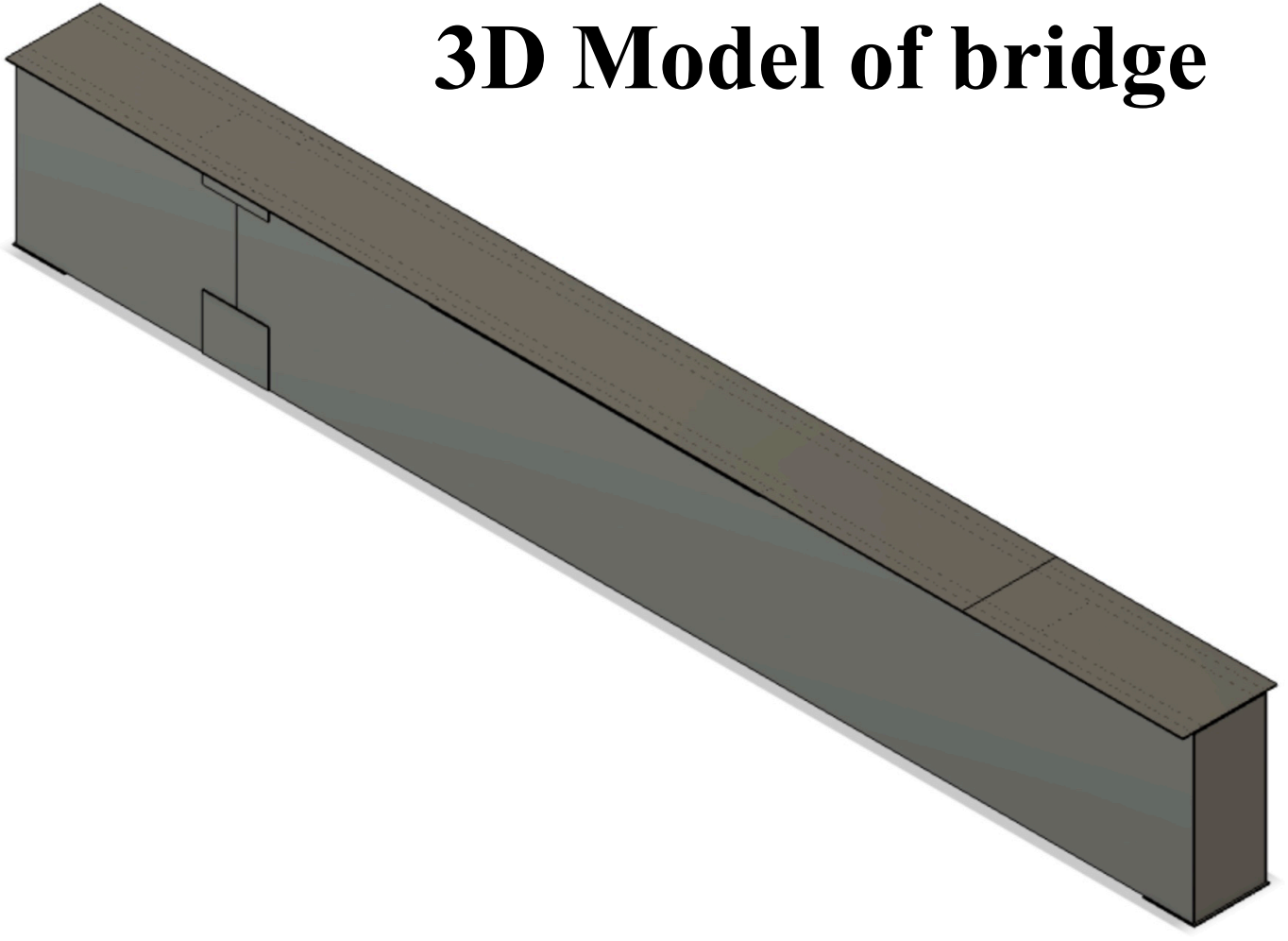
Middle of the bridge with additional layer to top board and additional board to side of top board



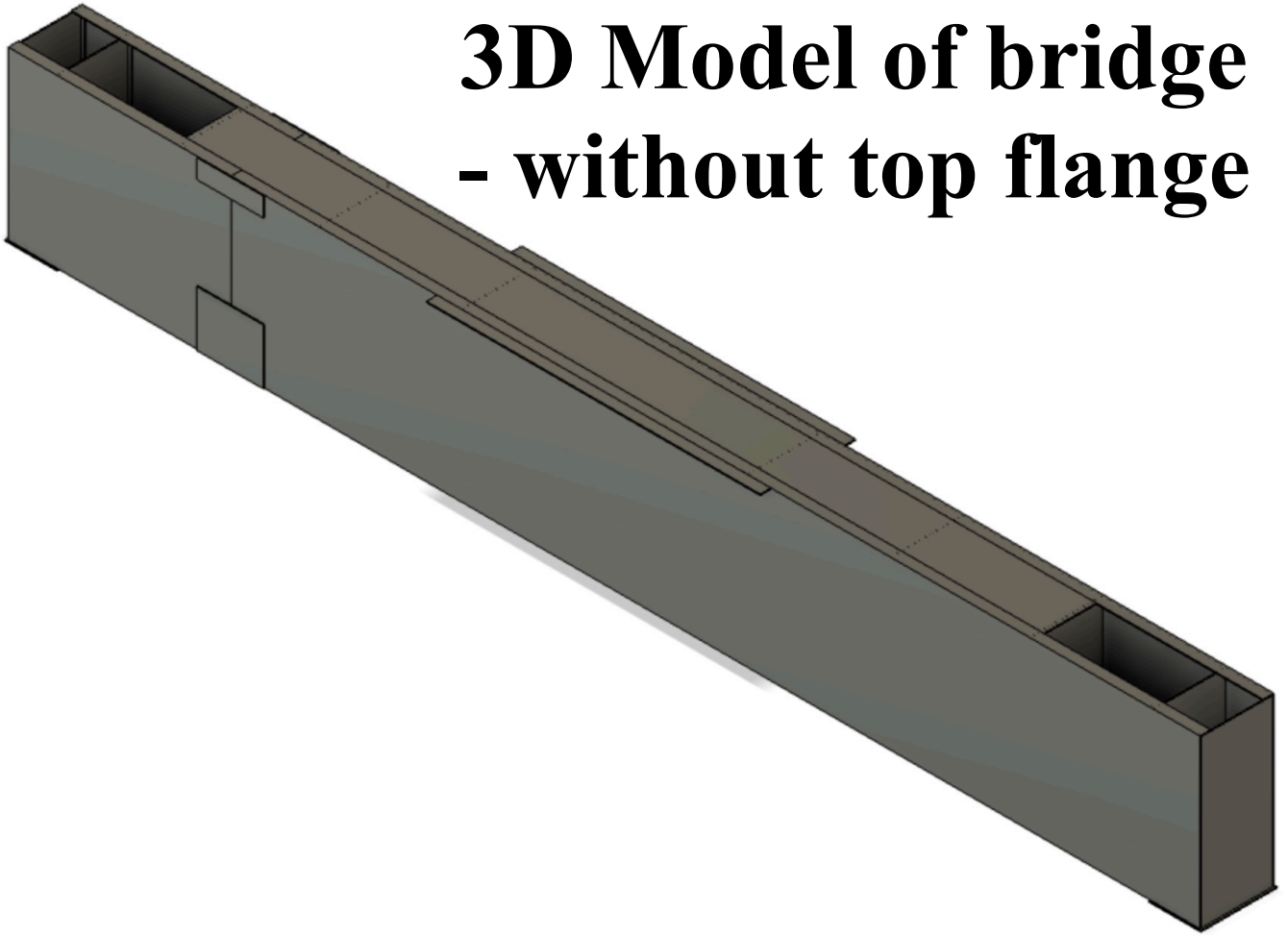
Middle of the bridge with additional layer to top board and additional board to side of top board - including diaphragms



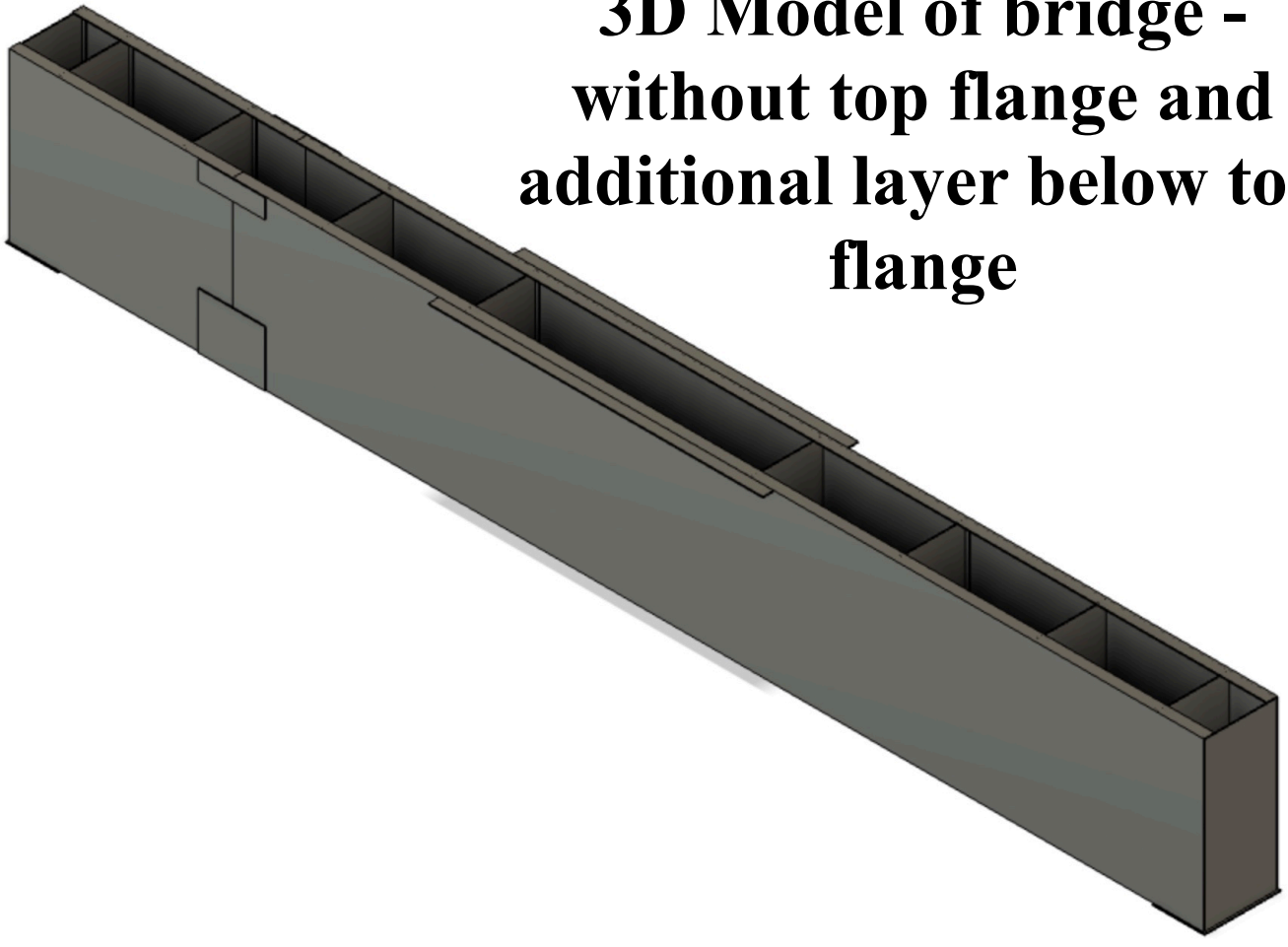
3D Model of bridge



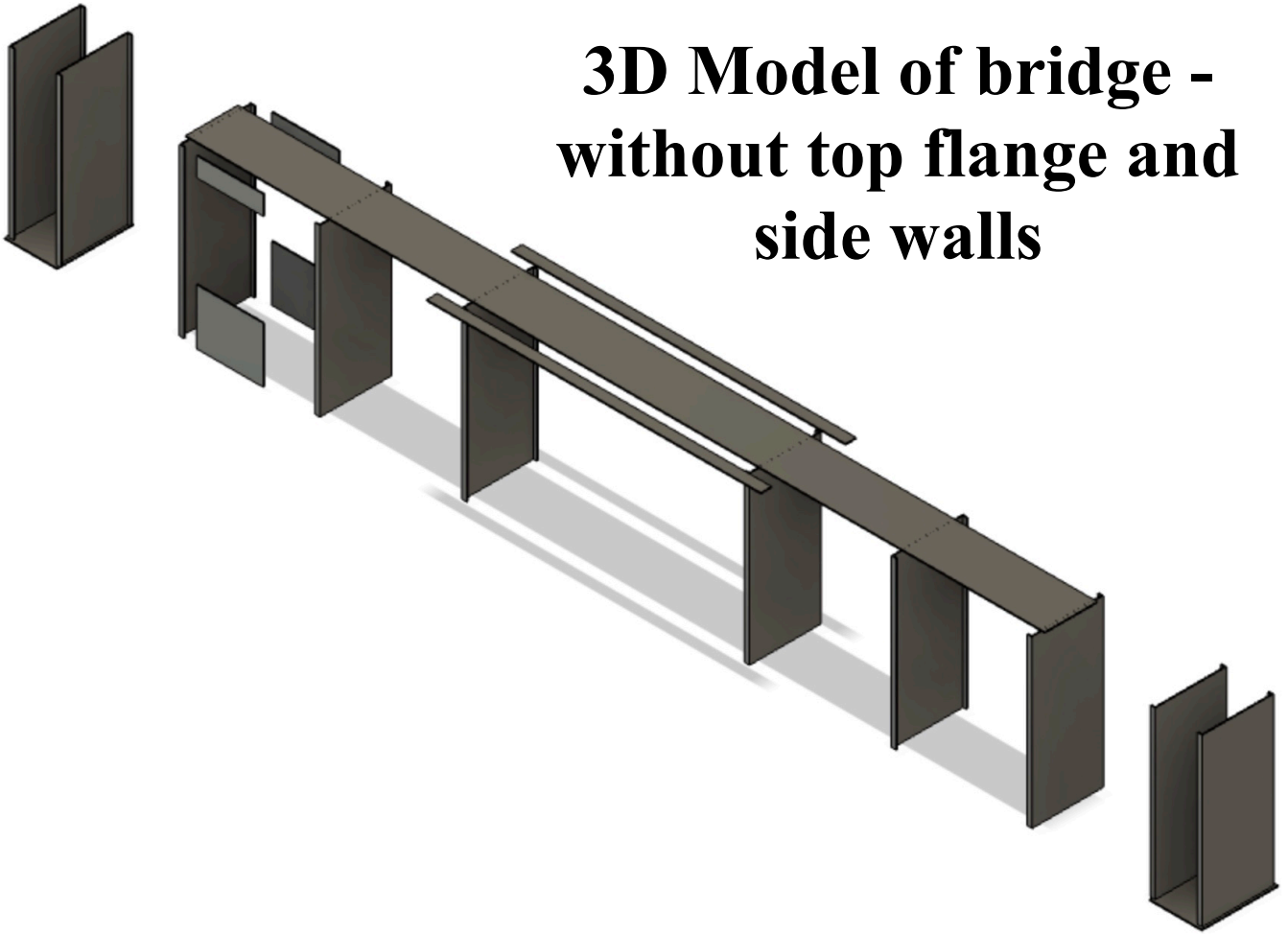
3D Model of bridge - without top flange



3D Model of bridge - without top flange and additional layer below top flange



3D Model of bridge - without top flange and side walls



SIDE BOARD-LONG-A

SIDE BOARD-LONG-B

SIDE BOARD SHORT-A

SIDE BOARD SHORT-B

DIAPHRAGM

DIAPHRAGM

DIAPHRAGM

DIAPHRAGM

DIAPHRAGM

DIAPHRAGM

SIDE MIDDLE CONNECTIONS SHORT

SPLICE CONNECTOR-MID

SPLICE CONNECTOR-MID

SUPPORT BOTTOM BOARD

SUPPORT BOTTOM BOARD

TOP BOARD SHORT

TOP BOARD SIDE MIDDLE ADDITION-LONG

TOP BOARD SIDE MIDDLE ADDITION-LONG

DIAPHRAGM

DIAPHRAGM

DIAPHRAGM

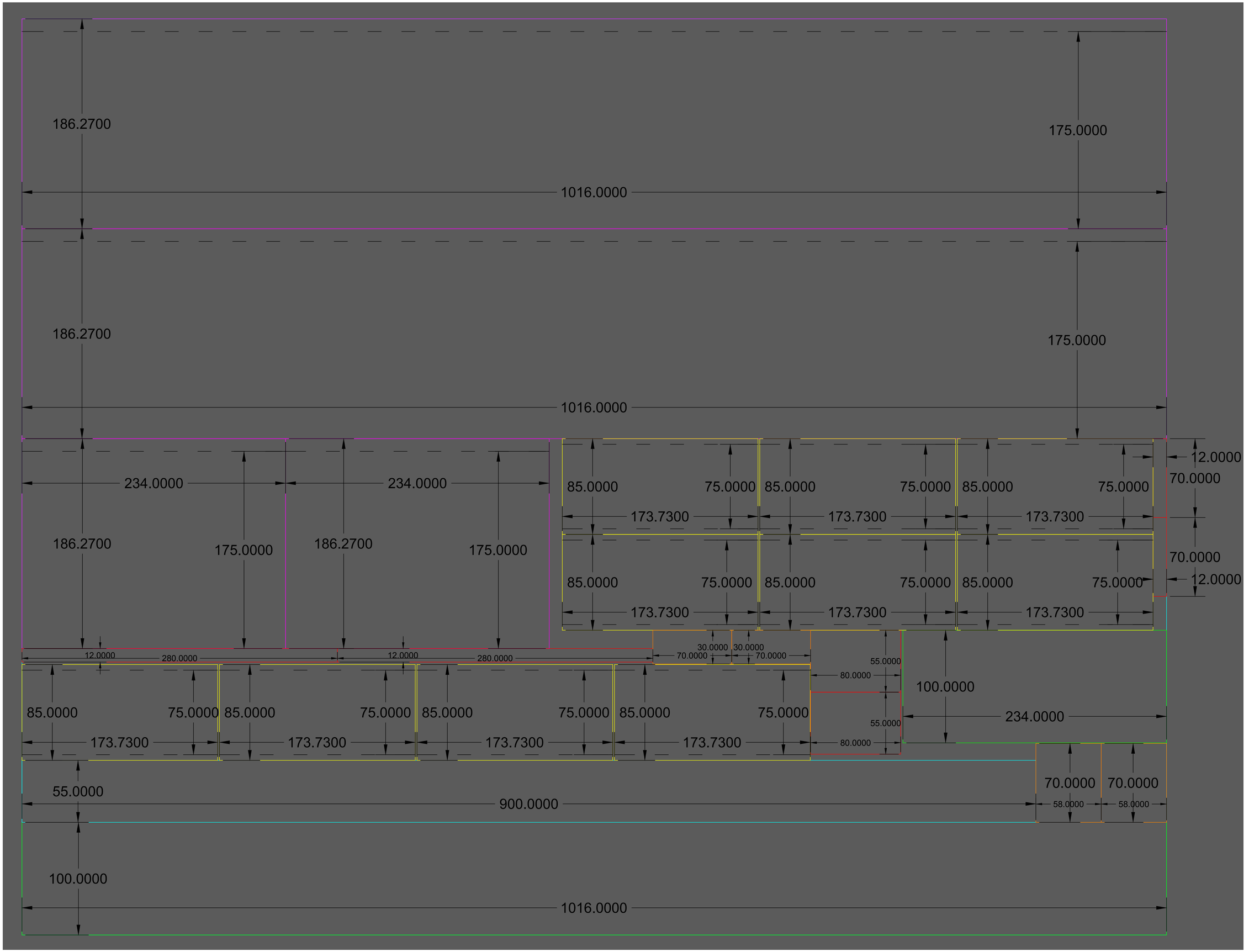
DIAPHRAGM

SPLICE CONNECTOR-BOT

SPLICE CONNECTOR-BOT

ADDITIONAL LAYER BELOW TOP BOARD

TOP BOARD-LONG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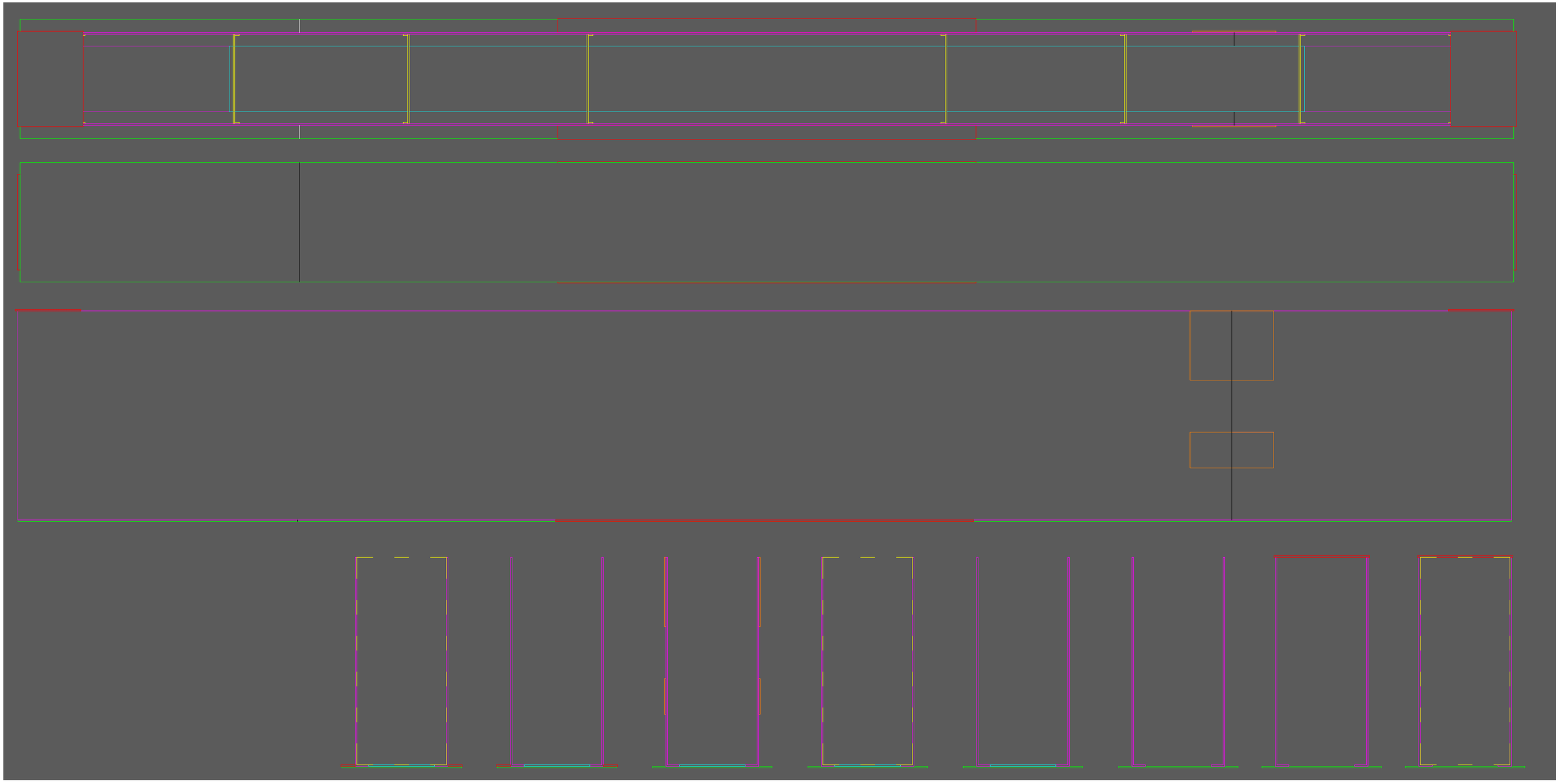

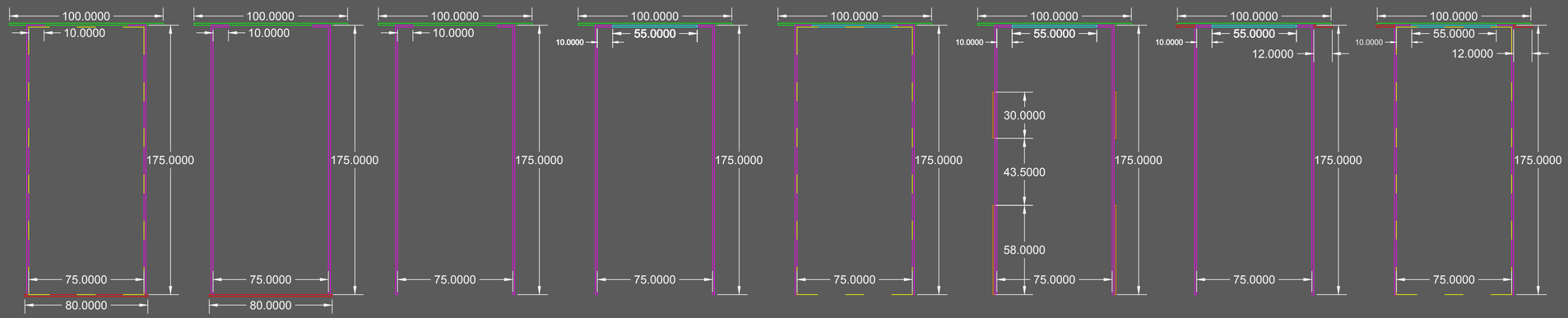
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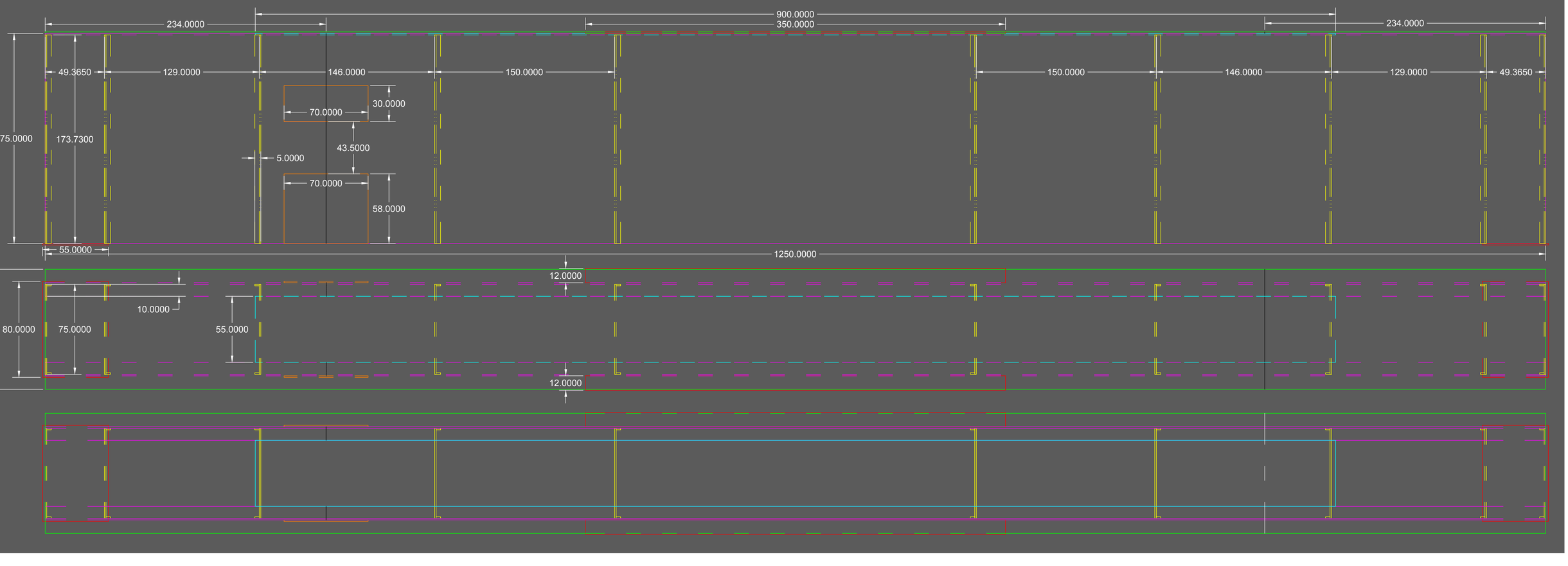
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