



**SCAFFOLDING  
CUBE  
CHALLENGE  
PARTICIPANT BRIEF**



You are now working as a small team of scaffolders and must follow the step-by-step instructions/ diagrams which follow to create a scaffold cube.

You will be allowed 20 minutes to work through the build process with assistance from the Activity Lead(s). Once completed, all cubes will be dismantled and you will have to reconstruct your cube without support or assistance.

#### Before you start:

- Ensure you have the correct lengths of colour coded pipe and access to cable ties
- Ensure that each member of your team takes a role
- Ensure that you adhere to Health & Safety at all times

# PARTS LEGEND



■ Standards

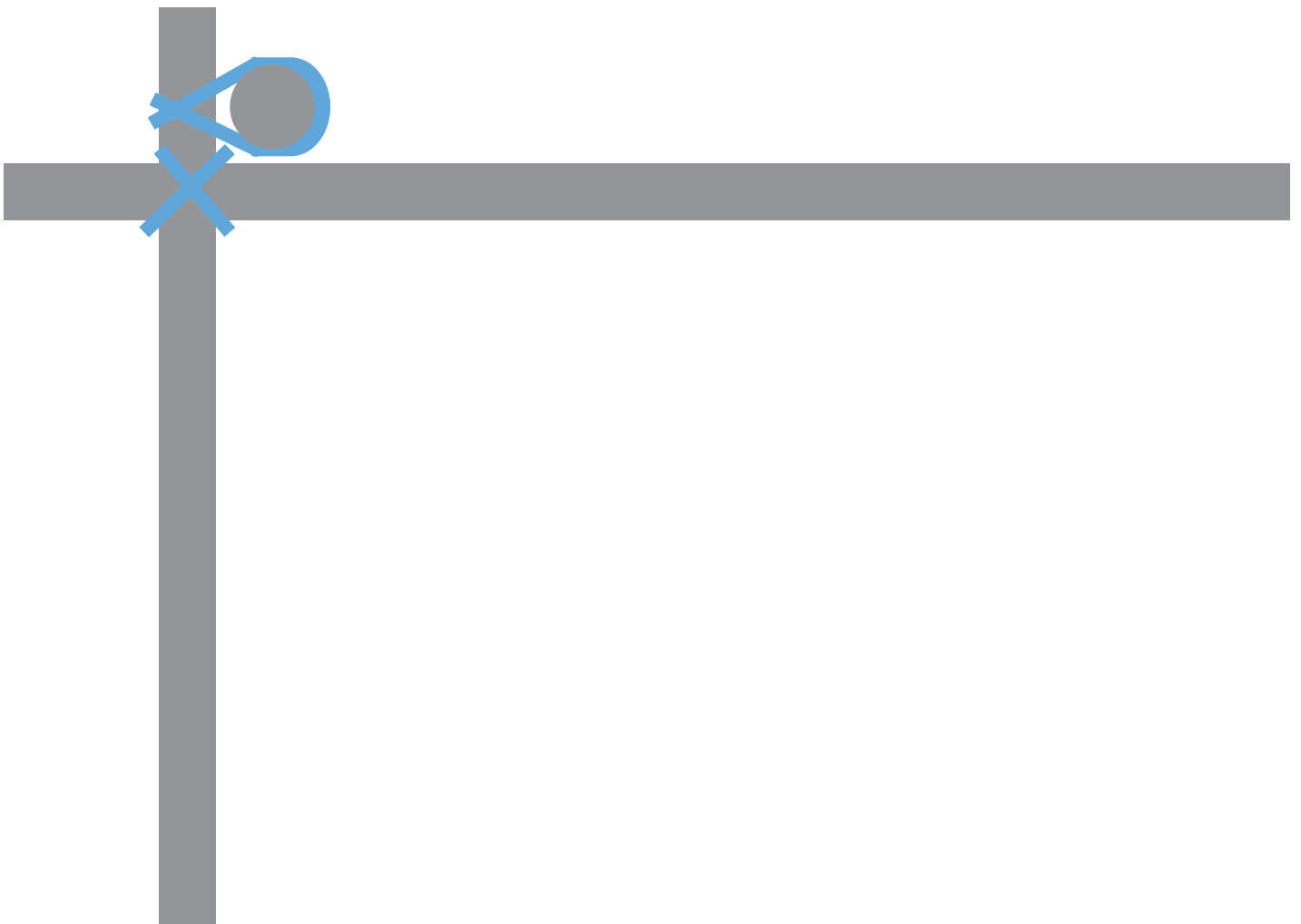
□ Ledgers

■ Transoms

■ Ledger/Sway Braces

■ Plan Braces

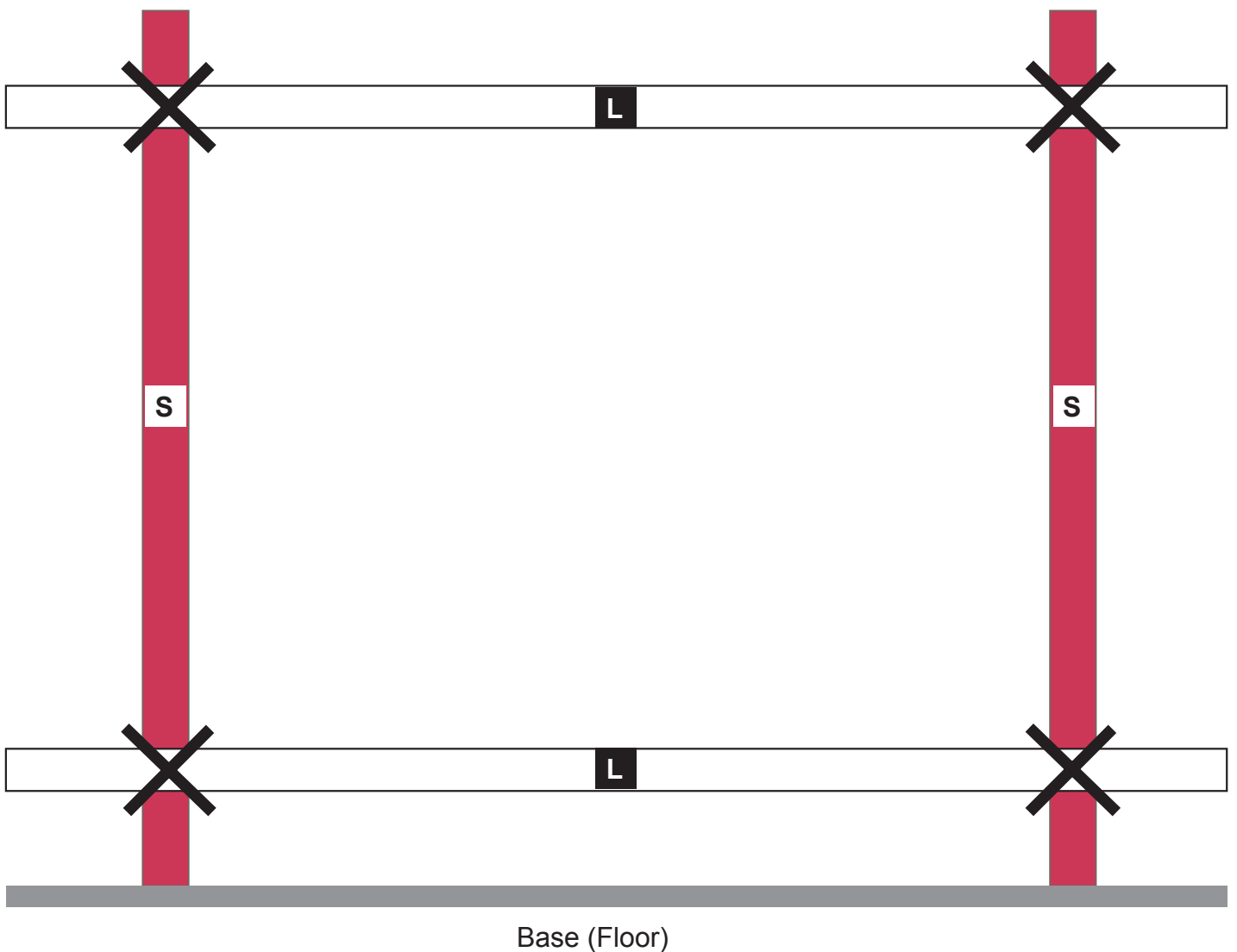
How the cable ties are fixed at all connection points. Each connection must have two cable ties crossed over to make an X.








# STAGE ONE



Match the red & white coloured bands on the bottom and top of standards **■** in order to position the ledgers **□**. Using two cable ties per corner attach the ledgers **□** to the standards **■**. Cross over the cable ties to make a X.

This process is then repeated on the opposite pair so you end up with 2 squares

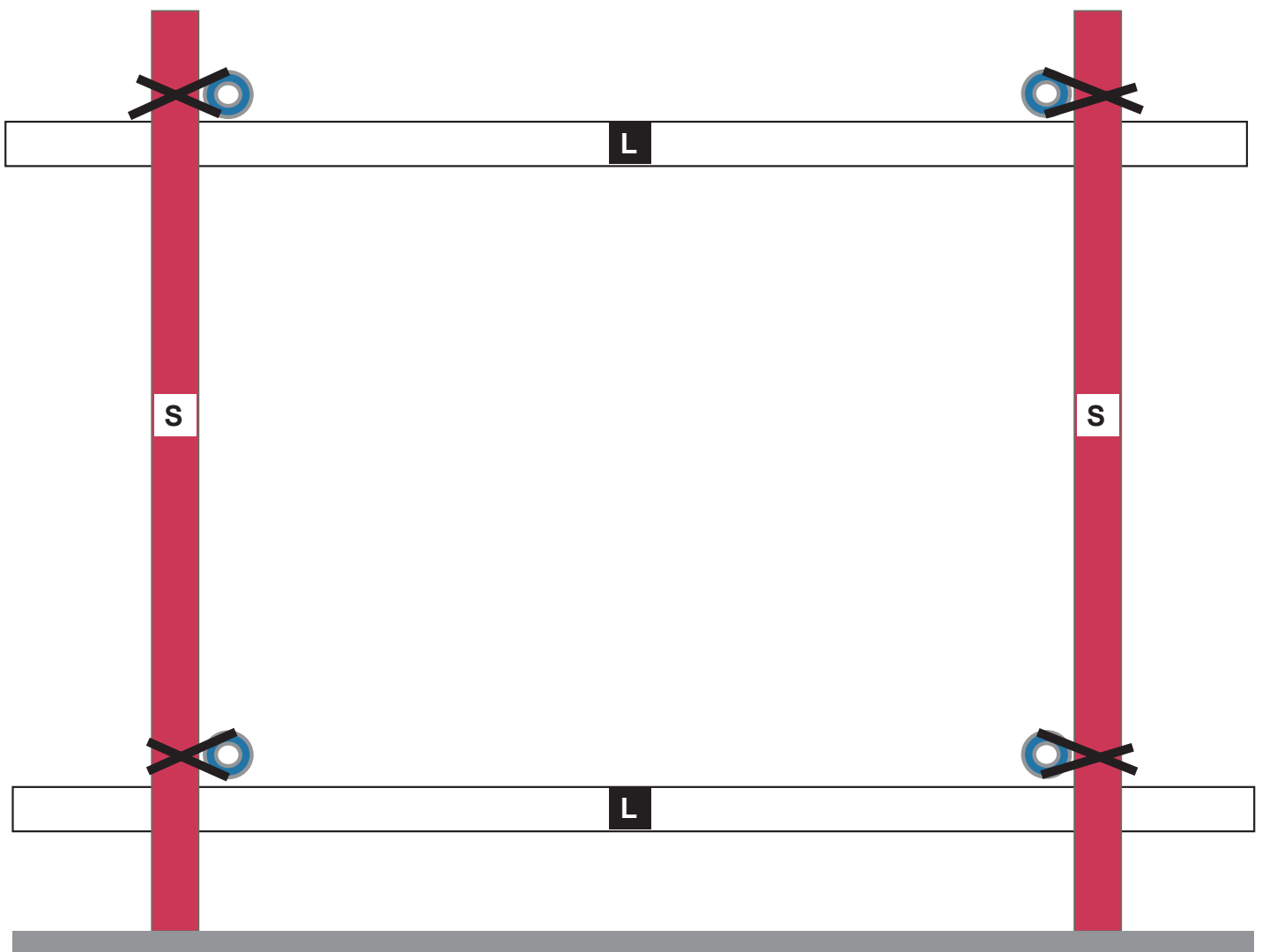


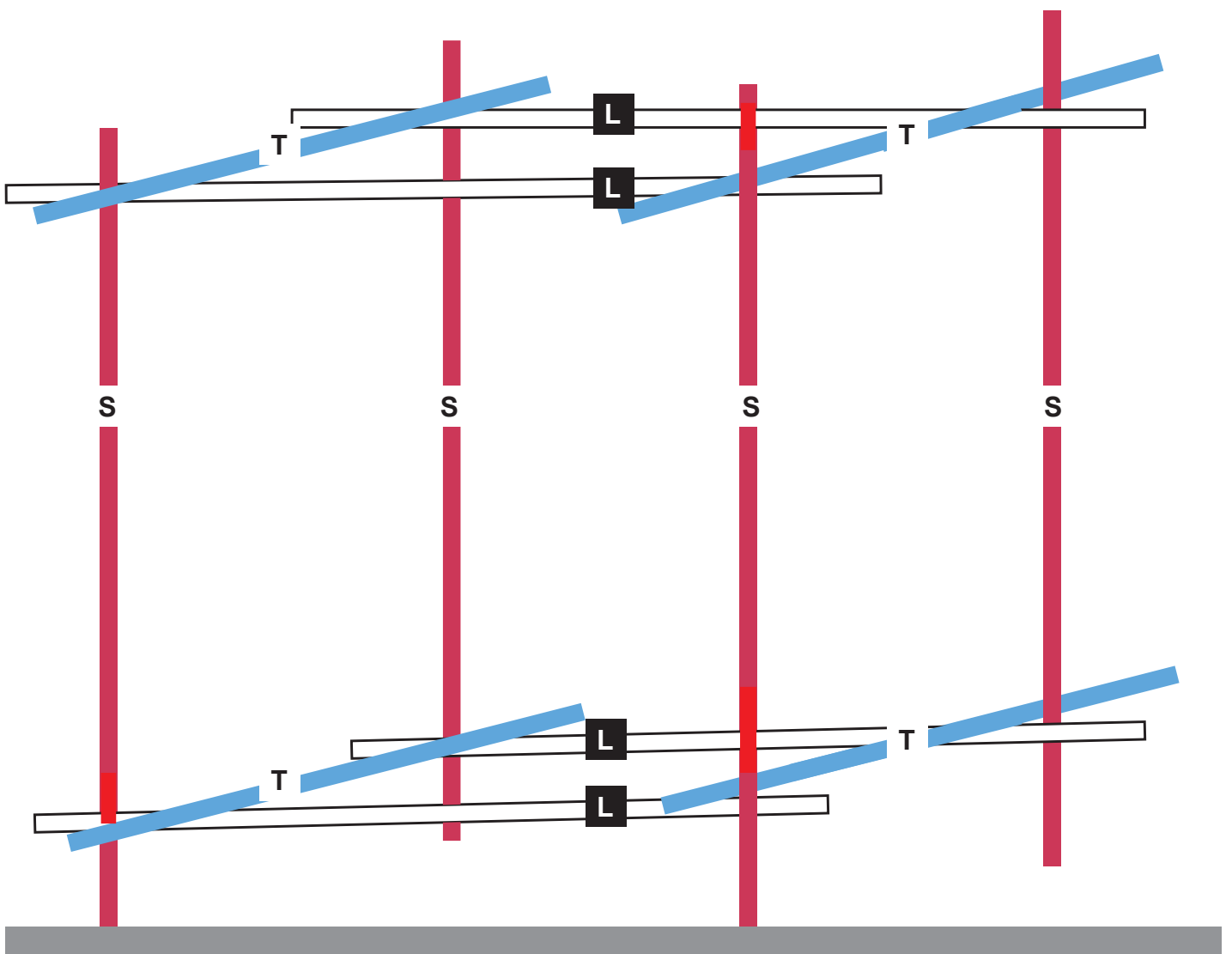
# STAGE TWO

Put the transoms  on top of the ledgers . Match the blue colour band to the standards . Fix transoms  to the standards  using two cable ties per corner.

Do not cross the cable ties with the standards  and ledgers  cable ties.






This process is then repeated on the opposite square to connect the two together to make a cube.

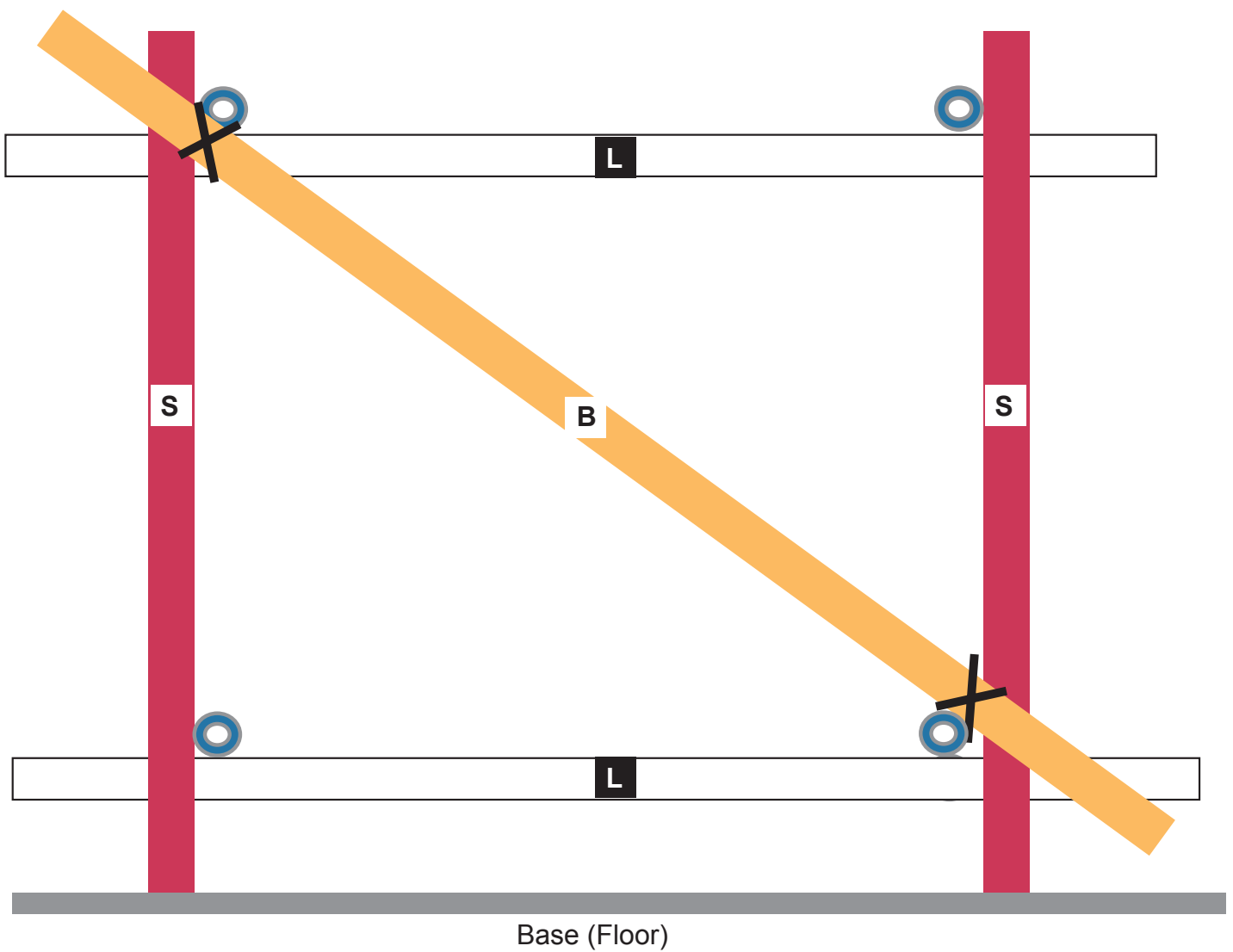




Base (Floor)






# STAGE THREE

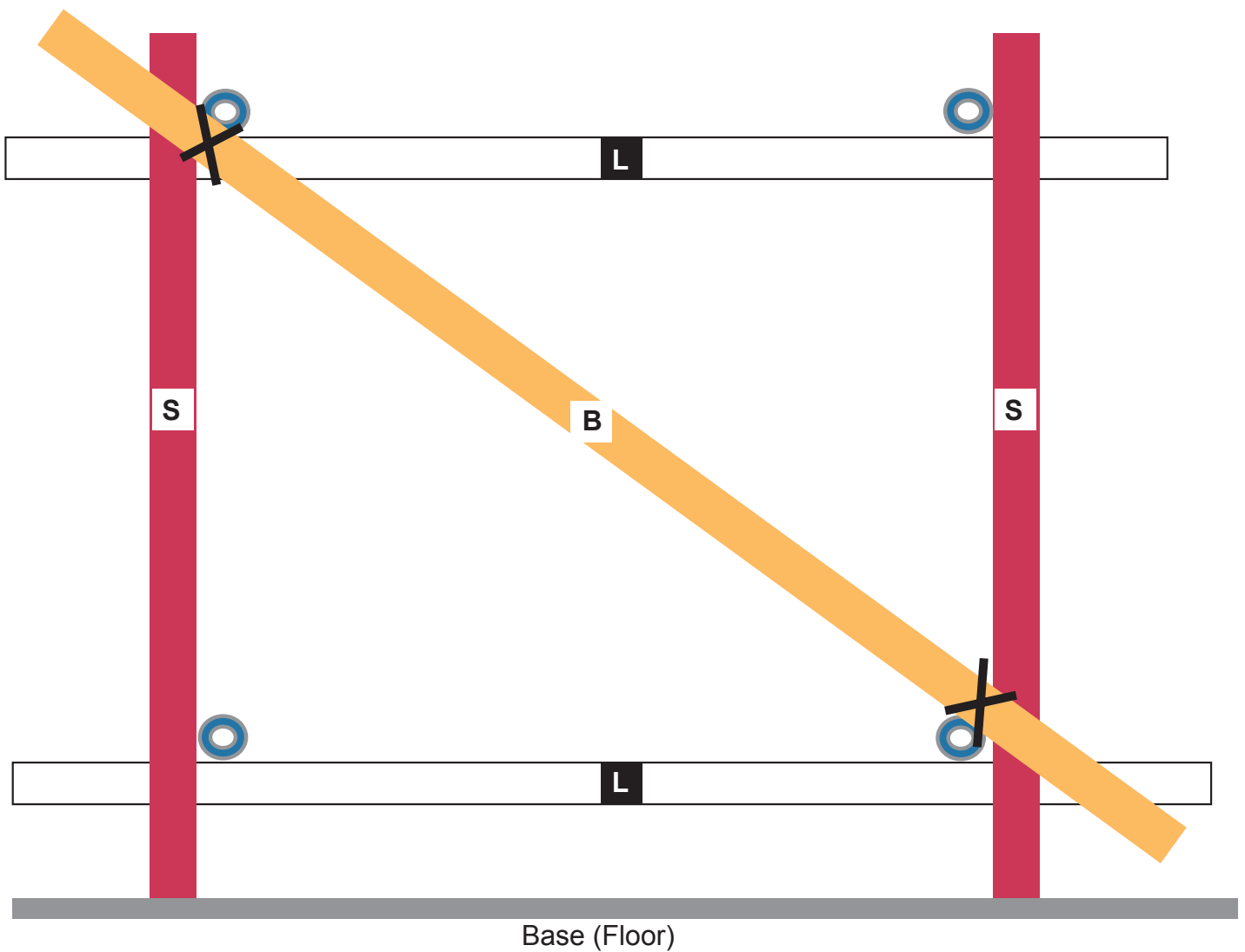
Fix sway brace  to the transom . On the outside of the standards . From underneath the top of transom  to the top of the bottom transom .










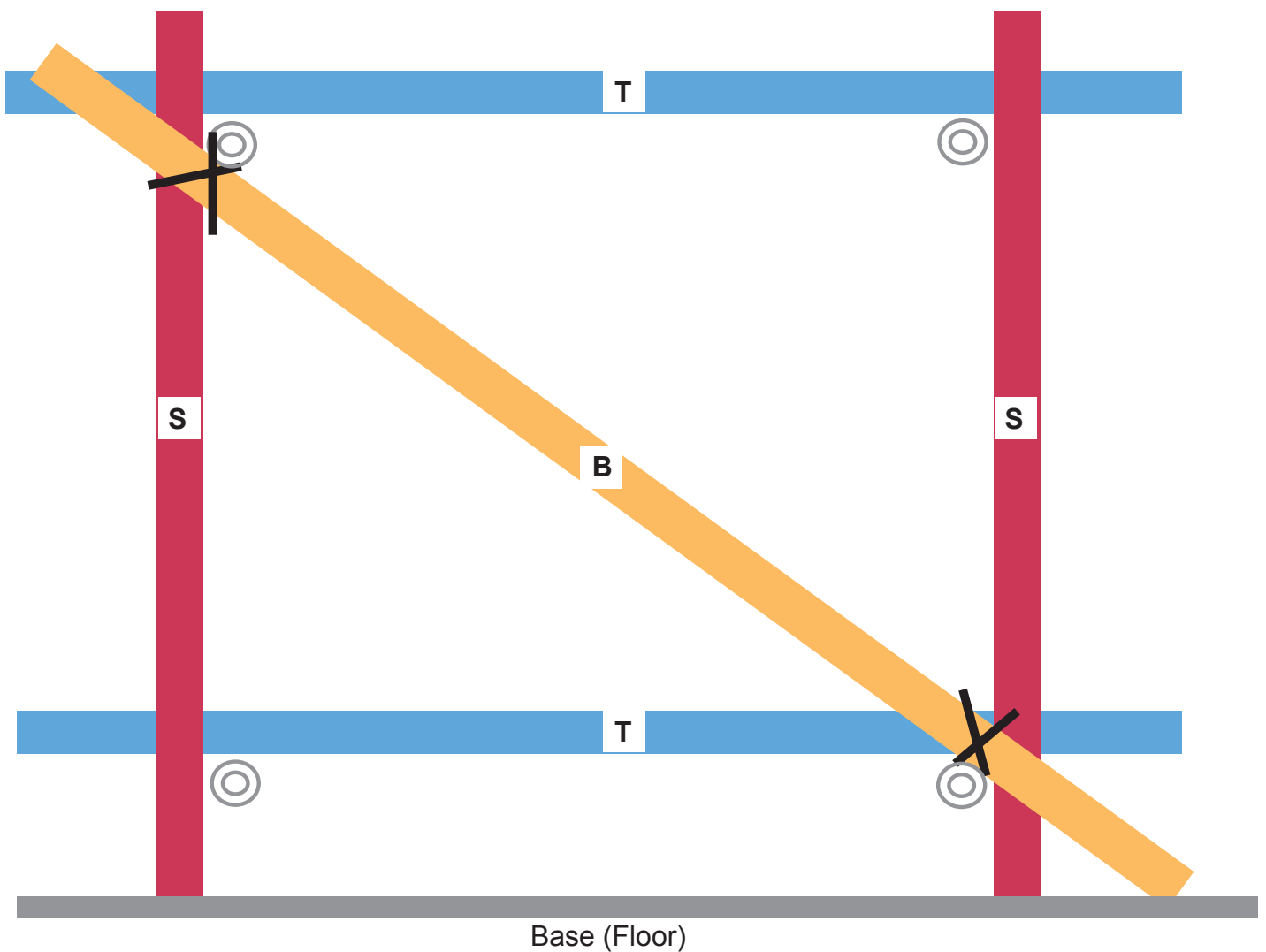
# STAGE FOUR

Fix sway brace  to the transom . On the outside of the standards . From underneath the top of transom  to the top of the bottom transom .








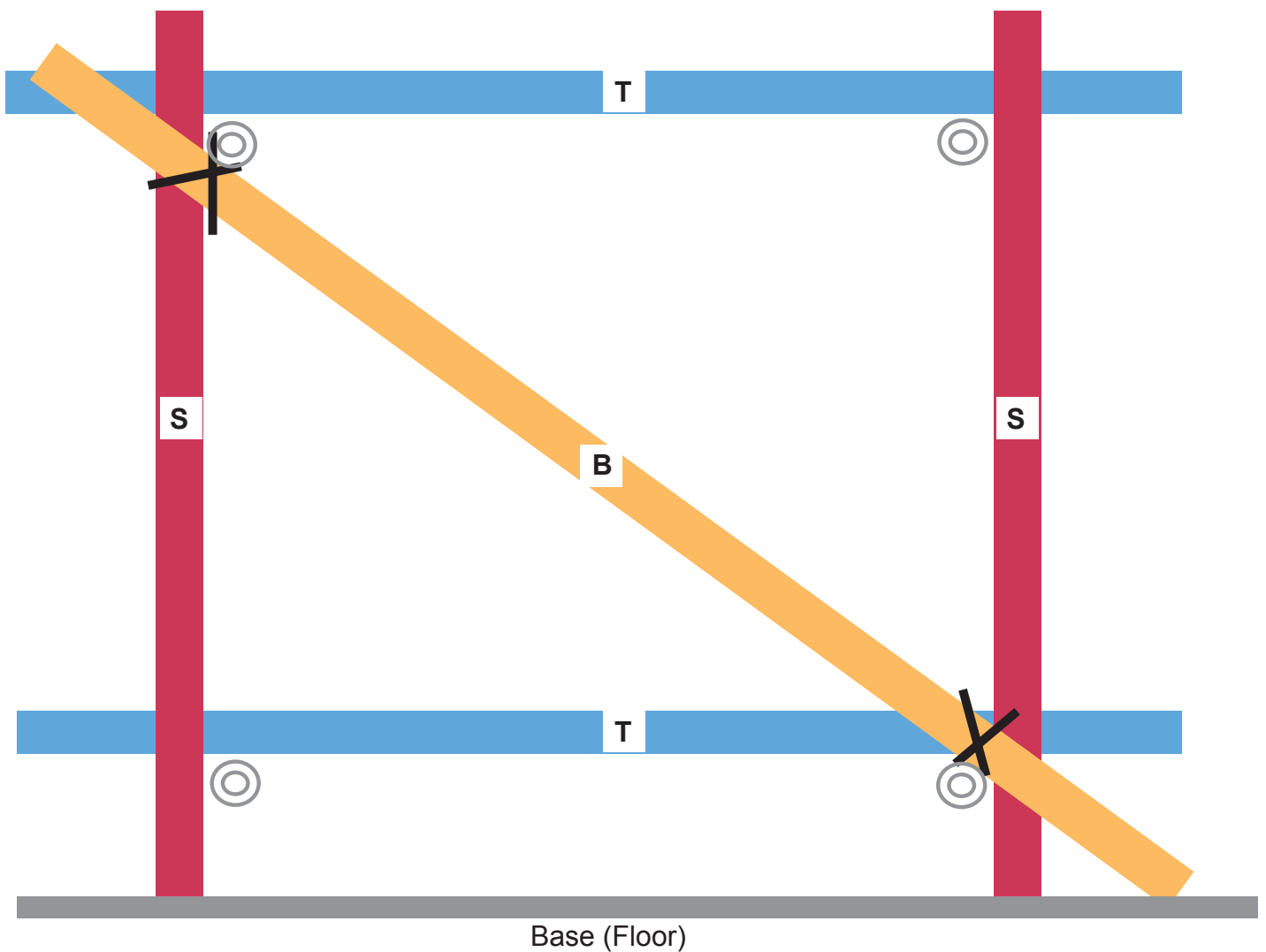
# STAGE FIVE

Fix sway brace  to the ledger . On the outside of the standards . From underneath the top of ledger  to the top of the bottom ledger .



# STAGE SIX

Fix sway brace  to the ledger . On the outside of the standards . From underneath the top of ledger  to the top of the bottom ledger .

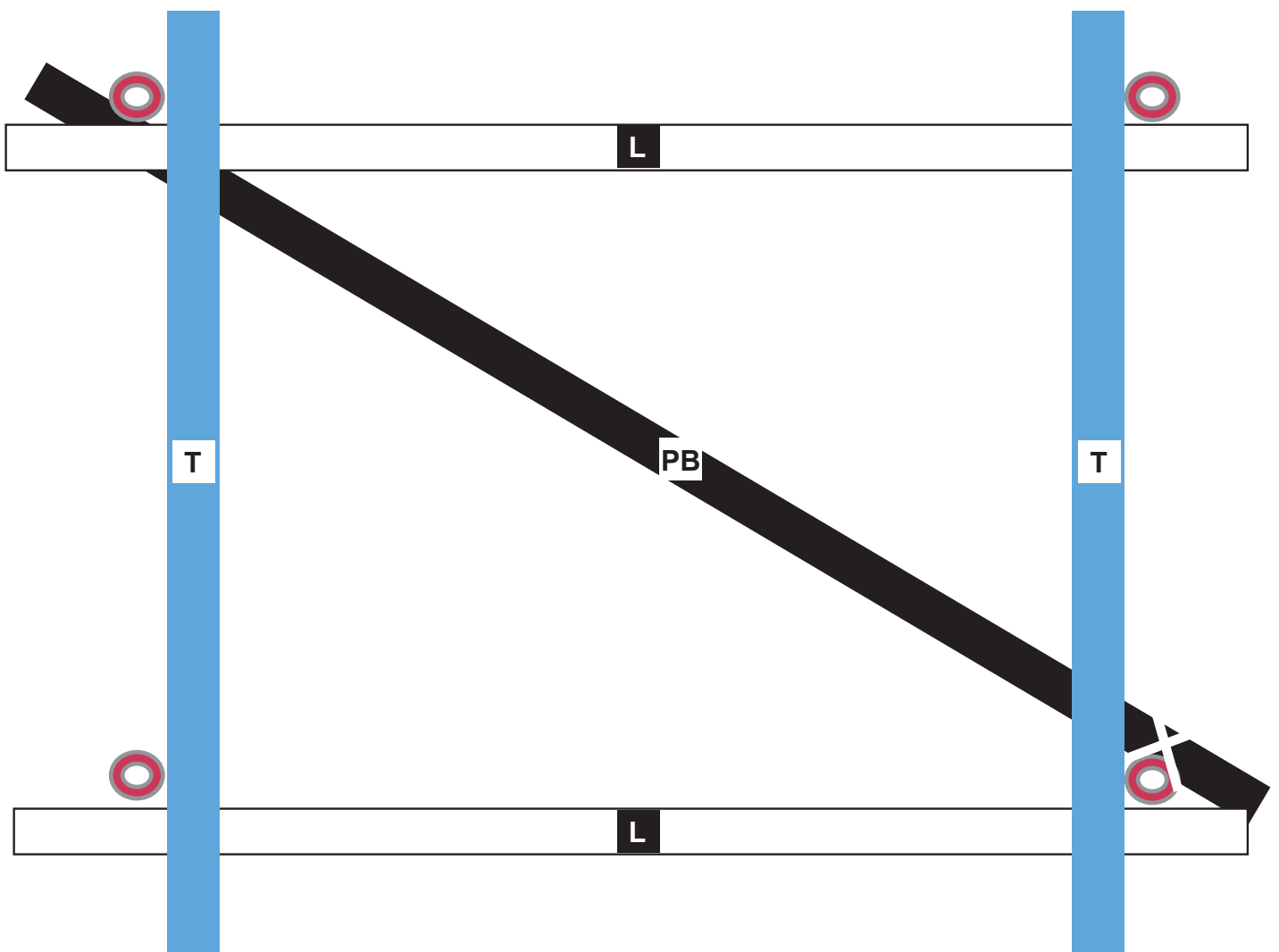


# STAGE SEVEN



Plan View





Fix plan brace ■ diagonally from the base of the outside standard ■ to inside of apposing standard ■. Underneath the ledgers □.

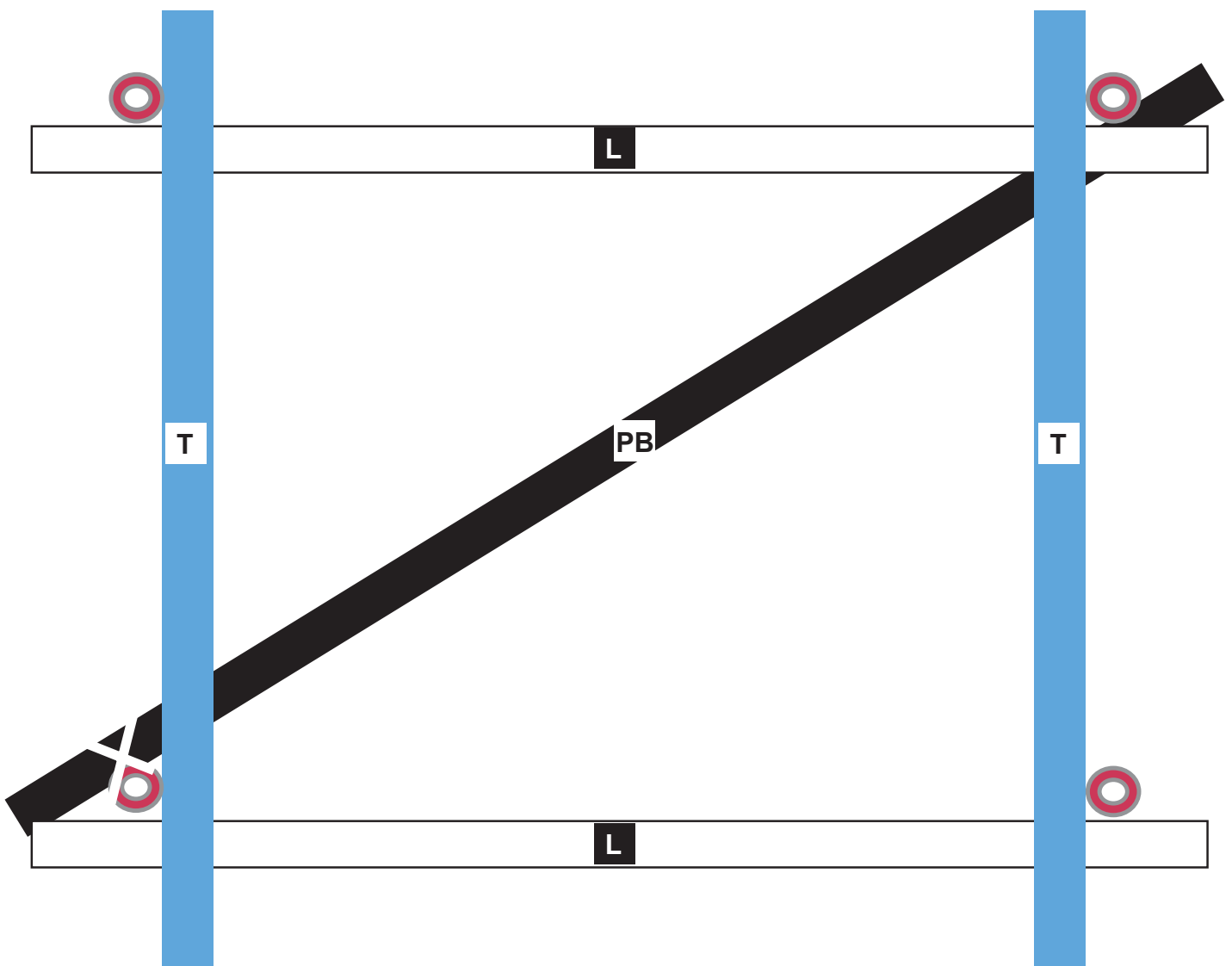


# STAGE EIGHT



Plan View

Fix plan brace  diagonally from the underneath the top ledger  from outside standard  to inside of opposite standard .



Well Done you  
should how be  
looking at completed  
scaffold.

GO

CONSTRUCT



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