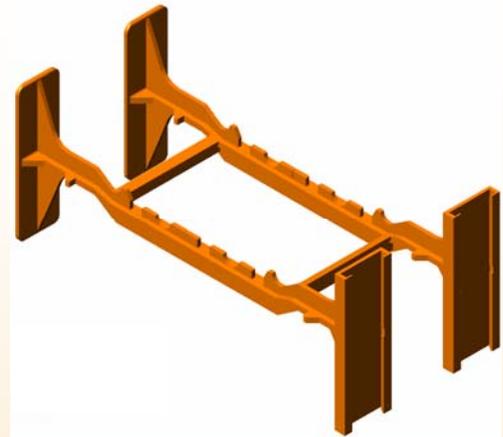


To ensure successful Quad-Lock projects, it is critical that Builders follow recommended practices. Please read the following bulletin carefully – these tips **will** make a difference!



## INSTALLATION RECOMMENDATIONS FOR QUAD-LOCK EXTENDER TIES

At the request of our many regular users of the Quad-Lock system, we are pleased to offer the new Extender Tie (XT), which will allow builders to create walls of almost any desired concrete thickness. Extender Ties are designed to interlock with regular Full Ties to add exactly 12" (305mm) of concrete cavity size. They are differentiated by their orange color, and the interlock system on one pair of flanges. You can combine multiple Extender Ties with a Full Tie to create even larger concrete cavities than 24" (610mm). The wall widths that can be created are unlimited.

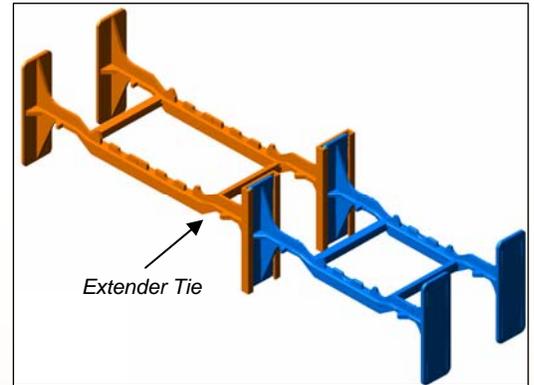


The following wall cavity sizes can be formed with XT-Extender Ties and Quad-Lock Full Ties, when used with the R-22, R-32, or R-40 panel configurations:

Extender Tie		Full Tie	Cavity Size Generated		
			R-22	R-32	R-40
XT	+	FTB 4 (Black Tie)	16" 406mm	14" 356mm	12" 305mm
XT	+	FTB 6 (Blue Tie)	18" 457mm	16" 406mm	14" 355mm
XT	+	FTY 8 (Yellow Tie)	20" 508mm	18" 457mm	16" 406mm
XT	+	FTG 10 (Green Tie)	22" 559mm	20" 508mm	18" 457mm
XT	+	FTR 12 (Red Tie)	24" 610mm	22" 559mm	20" 508mm
2x XT	+	FTB 4 (Black Tie)	28" 711mm	26" 660mm	24" 610mm
Etc.					

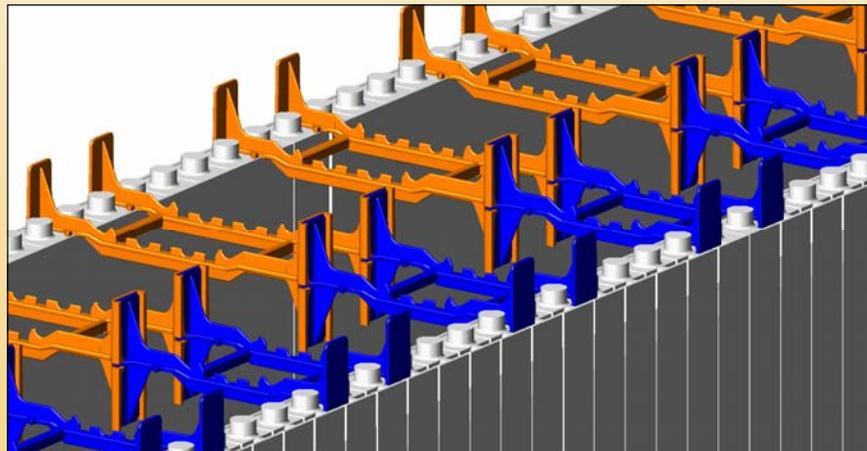
## QUAD-LOCK EXTENDER TIES Cont'd

Snap the Extender Ties and Full Ties together by simultaneously sliding the flanges at one end of a Full Tie into the specially designed connecting flanges in the Extender Tie. It may be necessary to place the Extender Tie on a flat hard surface and tap the flanges of the Full Tie into place with a hammer, until they “click” into place. Once locked into position, the flanges of the Full Tie will be securely locked and very difficult to remove from the XT-Extender Tie. It is recommended that an accurate count of the number of ties required be taken before ties are assembled.



Once assembled, use the combination ties to form walls with cavities sized according to the chart above. Place at the normal recommended 12" (305mm) horizontal and vertical spacing. Secure horizontal rebar to vertical rebar with plastic zip ties to keep added weight off longer ties, which may cause deflection.

Wider wall cavities may generate higher formwork pressure when poured with concrete. Pay close attention to mix design and minimize the amount of water in the mix. Achieve higher slumps by adding plasticizing agents, **not water**. Monitor slump carefully during the pour, and do not exceed the recommended 5 to 6 inch slump. Vibration should be done carefully and only by experienced crew members.



*Sample 18" Wall Width configuration*

*For more information, contact your Quad-Lock Sales Representative or the Technical Services Department.*