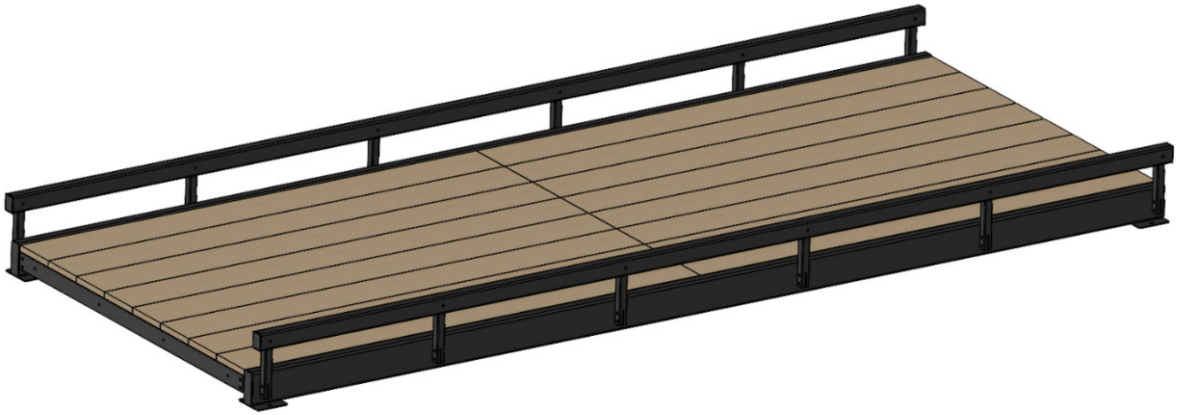
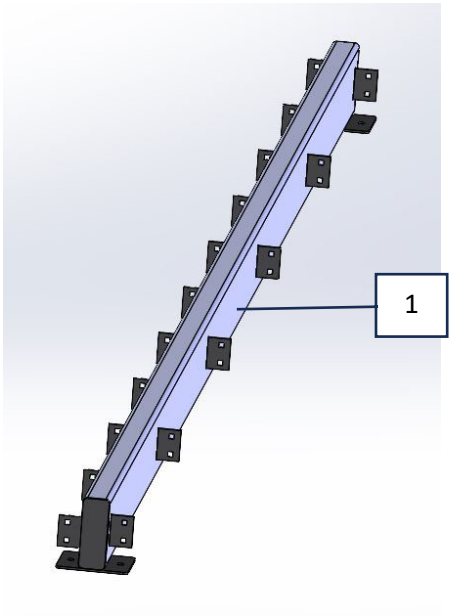
Roadrunner Bridge Assembly Instructions
8X20 Kit Bridge

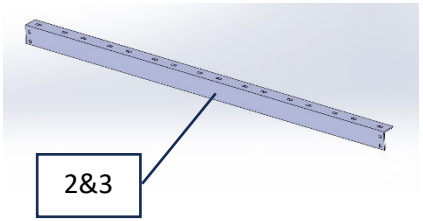
ROADRUNNER BRIDGE

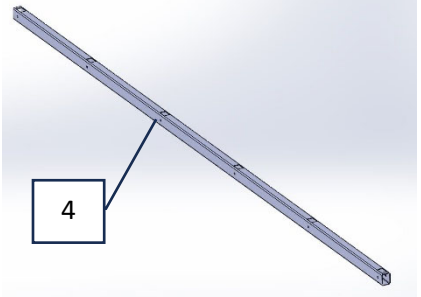
Parts List and Diagram

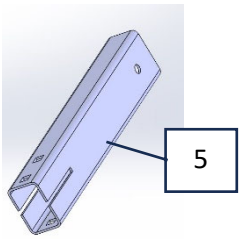


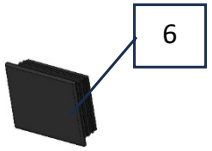
ITEM NO.	QTY	PART #	PART NAME
1	2	BDG-005010-01	BRIDGE MAIN RAIL
2&3	12	BDG-005002-03	CROSS ANGLE MID & ENDS
4	2	BDG-005012-02	BUMP RAIL TOP TUBE
5	12	BDG-005018-01	BUMP RAIL TUBE
6	4	MIS-00133	TUBE CAP. 3X4, BLACK
7	38	CRB-50013-400-ZP	CARR BOLT, 1/2-13 X 4.00 FASTENER
8	44	CRB-50013-150-ZP	CARR BOLT, 1/2-13 X 1.50 FASTENER
9	192	CRB-50013-300-ZP	CARR BOLT, 1/2-13 X 3.00 FASTENER
10	274	LOW-0500-ZP 1/2 ZP	LOCK WASHER FASTENER
11	274	FLW-0500-ZP 1/2 ZP	FLAT WASHER FASTENER
12	274	NUT-050013-ZP 1/2-13	HEX NUT FASTENER
13	1	Bolt Template	Template for bolt pattern

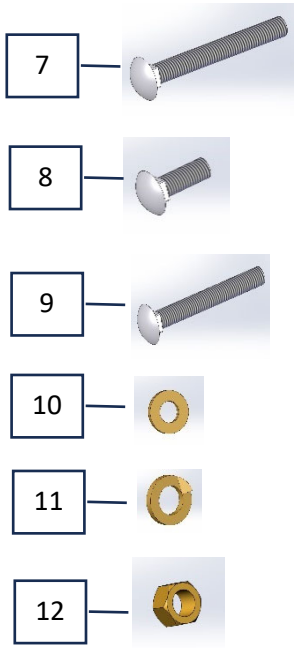












TOOLS REQUIRED/SUGGESTED:

1. Powered impact gun
2. Spud wrench.
3. Powered Drill
4. Skill Saw
5. Socket Set
6. Flat Bar

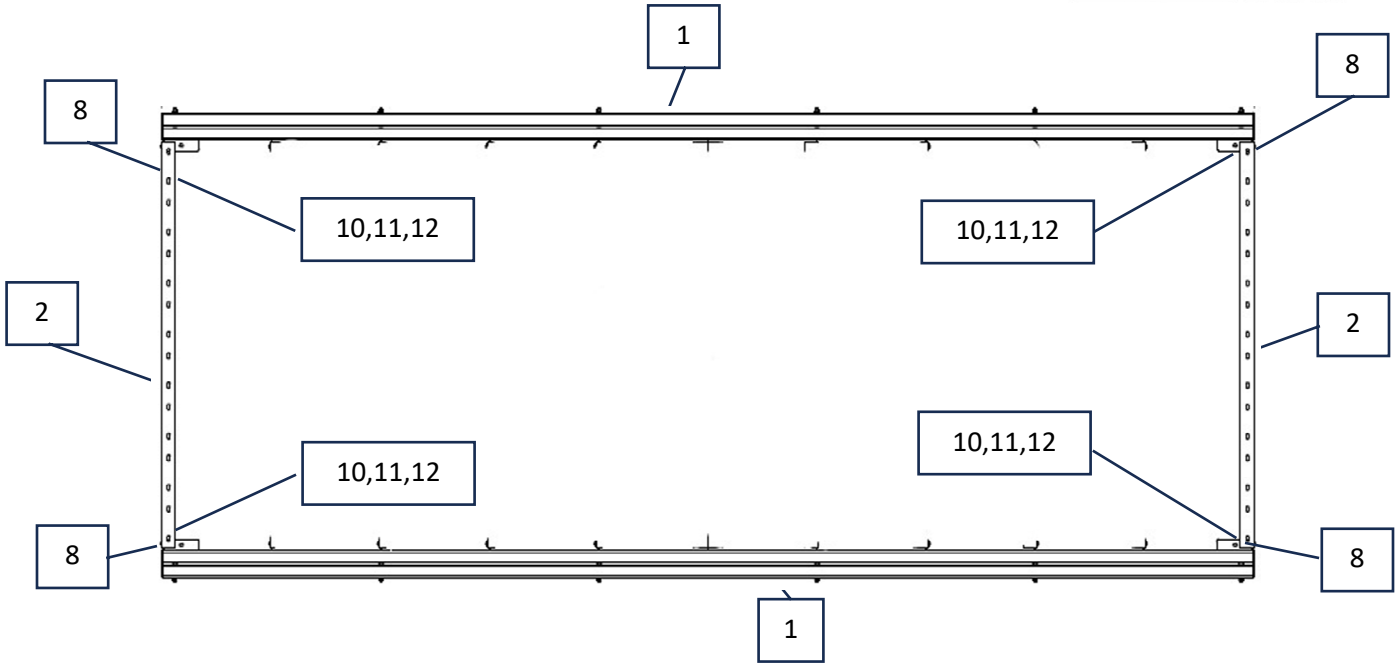
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Roadrunner Bridge Assembly Instructions
8X20 Kit Bridge

<u>Step 1:</u> Connect Main Rails

Place the two main rails (#1) approximately 8 feet apart or on the concrete foundation previously installed.

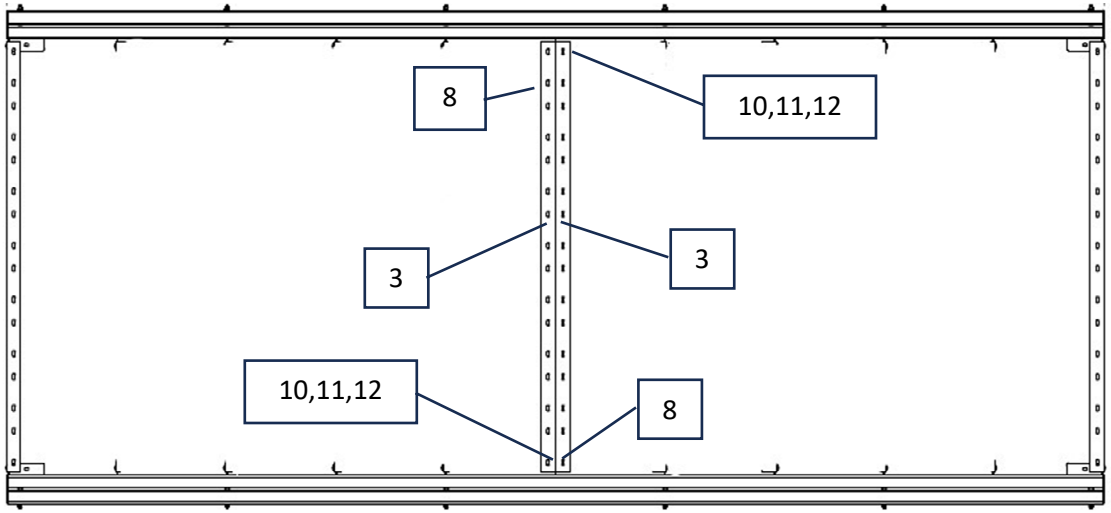
Attach cross angle iron (#2) to each end of the main rails using four 1.5” carriage bolts (#8), a washer (#10), a lock washer (#11), and a nut (#12) connected to the tabs on both ends of the main beams. *Cross angles should be facing toward the center of the bridge.* **Do not tighten bolts yet.**



<u>Step 2:</u> Connect Middle Angles

Connect two cross angles (#3) facing away from each other by using the same bolt up parts as in step one by using four 1.5” carriage bolts (#8), a washer (#10), a lock washer (#11), and a nut (#12) connected to the tabs on the center of the main beams.

Cross angles should be facing toward the ends of the bridge respectively. **Do not tighten bolts yet.**



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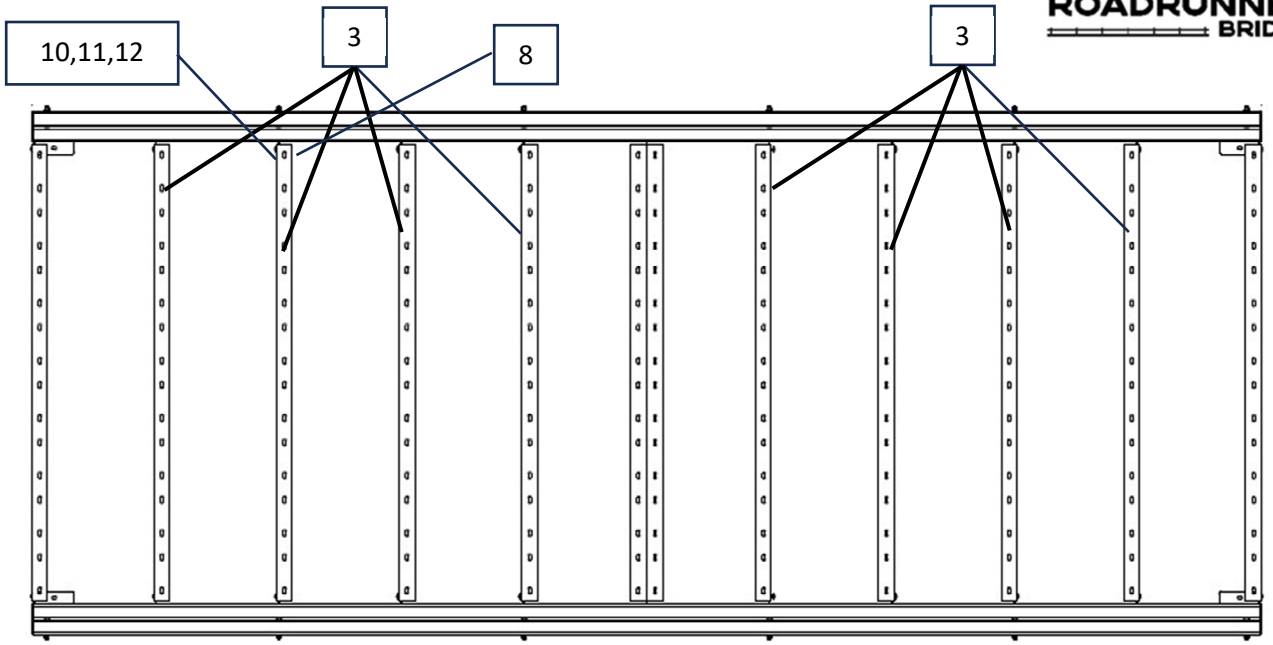
Roadrunner Bridge Assembly Instructions
8X20 Kit Bridge

<u>Step 3:</u> Connect All Remaining Angles

Connect the remaining cross angles (#3) facing towards the center of the bridge from each end by using the same bolt up parts as in previous steps by using four 1.5” carriage bolts (#8), a washer (#10), a lock washer (#11), and a nut (#12) connected to the tabs on the sides of the main beams.

Cross angles should be facing toward the center of the bridge laying on top of the tabs. **TIGHTEN ALL BOLTS NOW UNTIL LOCK WASHERS ARE SET.**

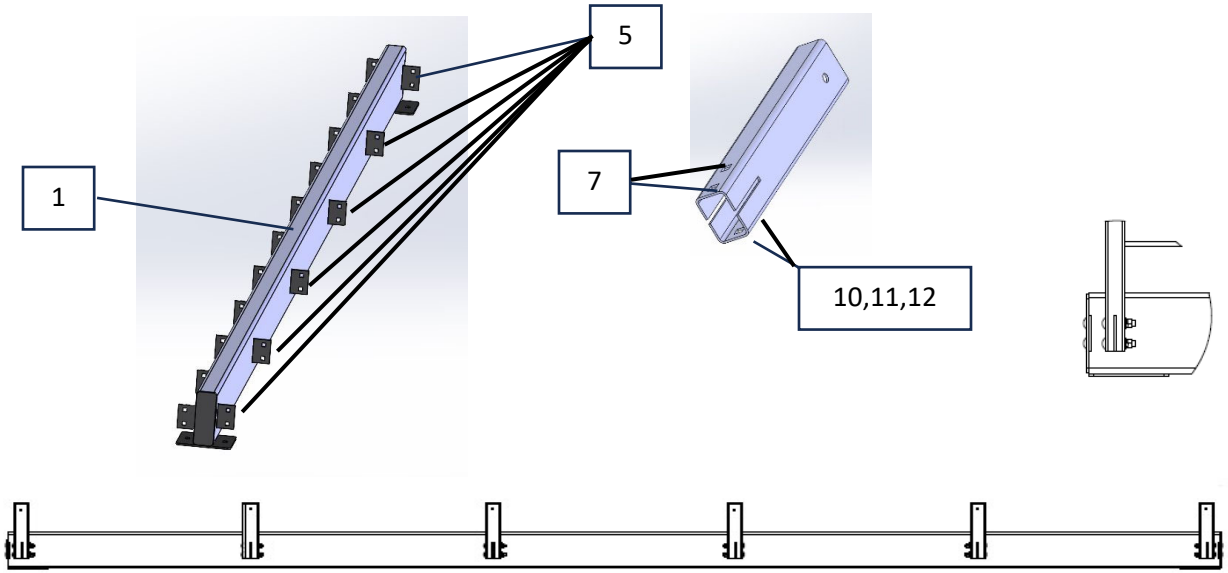
(NOTE:)
To check for the correct orientation of the cross angles, place the bolt template on the frame once all cross angles are placed. If all holes line up, everything is bolted together correctly.



<u>Step 4:</u> Connect Rail Tube Uprights

Connect the six bump rail tubes (#5) to each connection point along the outside tabs of each main rail (#1) Twelve total bump rail tubes. Use two of the 4” carriage bolts (#7), a washer (#10), a lock washer (#11), and a nut (#12) to make each connection.

Do not tighten these bolts yet.

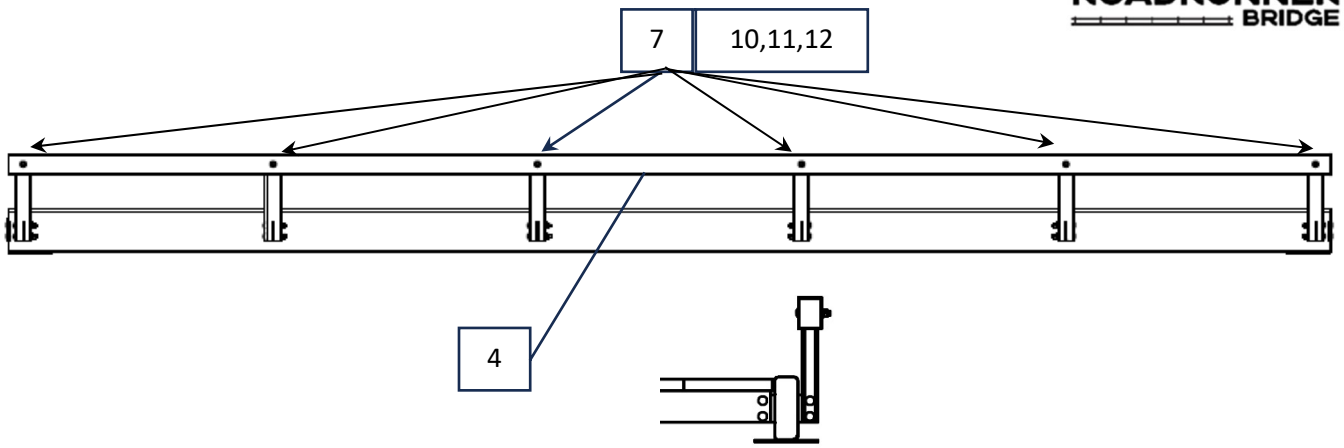


Roadrunner Bridge Assembly Instructions
8X20 Kit Bridge

<u>Step 5:</u> Connect Top Rail

Connect the two-bump rail top tubes (#4) by inserting the open holes on the rails onto the vertical tubes. Use a 4” carriage bolt (#7), a washer (#10), a lock washer (#11), and a nut (#12) to make each connection.

Once all bolts and nuts are in place, tighten until lock washers are set.



<u>Step 6:</u> Prepare and Set Decking

Place provided bolt drilling template on top of each 2X12X10 lumber and mark holes and length. Cut and drill each board as marked.

Place boards on top of bridge frame and insert 3” carriage bolts (#9) from the top down in each hole and secure with a washer (#10), a lock washer (#11), and a nut (#12) to make each connection.

Note:
Boards should line up with each end of the bridge and meet in the middle.

Suggested to leave bolts loose until all bolts on each side of the bridge have been installed, then tighten until lock washer is engaged.



