

STRINGER PLACEMENT

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CLIENT

S.S.C.I.

TITLE

TOWING KIT 5TB 18ft. BLEACHER
INSTALLATION INSTRUCTIONS

REV. 01	DATE 04/25/2016	DWG No: BL-5TB-18TK
SCALE N.T.S.	DES. John Cox	PAGE 1 of 7

8		7		6		5		4		3		2		1																	
ITEM NO.		PART NUMBER		DESCRIPTION				QTY.		COMPONENT REFERENCE		<div>NOTE: HARDWARE QUANTITIES</div> <div>WERE QTY. PER BLEACHER IS INDICATED</div> <div>QUANTITIES MUST BE ALTERED AS PER</div> <div>BLEACHER QUANTITY ORDERED</div>																			
1		BL-5TB-STRINGER		STEEL BLEACHER STRINGER				1		PER BLEACHER																					
3		BL-5TB-B-STRINGER		STEEL BLEACHER STRINGER (MODIFIED)				1		PER BLEACHER																					
4		BL-5TB-C-STRINGER		STEEL BLEACHER STRINGER (MODIFIED)				2																							
7		BL-FB-181.5		FRONT BRACE 2" x 3" x 1/4"				2		PER BLEACHER		<div>NOTE: WELDED TO TOW BAR RECIEVER</div>																			
8		ST-AH-107		AXLE HOUSING 1-1/2" x 1-1/2" x 3/16" x 107"				1		PER BLEACHER																					
9		ST-TBR-128.5		TOW BAR RECIEVER 2-1/2" x 2-1/2" x 3/16" x 128-1/2"				1		PER BLEACHER																					
10		ST-A-10002		TOW BAR STRINGER MOUNTS				3		PER BLEACHER																					
11		BL-TB-122		TOW BAR				1																							
12		HW-2080000		1250 4-Bolt High Speed Trailer Stub Axle				2																							
20		ST-JB-12		1-1/2" x 2" x 3/16" x 12" JACK BRACKET				1																							
21		HW-38-26LP		3/8" x 3" LOCK PIN,SQUARE WIRE ZINC PLATED				6																							
22		HW-4200048		2" COUPLER				1																							
23		HW-2026755		RIM & TIRE ASSEMBLY				2																							
24		HW-N-2000-Z		1/2" SERRATED FLANGE NUT ZINC PLATED				2																							
25		HW-8194243		2" TRAILER HITCH BALL				1																							
26		HW-8049364		CLASS III 6" x 4-3/4" BALL MOUNT				1																							
28		HW-805505		TOP CRANK HANDLE JACK				1																							
29		HW-N-10000		3/8" SERRATED FLANGE NUT MECH. GALV.				18		PER BLEACHER																					
30		HW-B-40000		GR5 HEX BOLT MECH GALV. 3/8" x 1-1/4"				4		PER BLEACHER																					
31		HW-W-30000		3/8" FLAT WASHER 1" OD				6		PER BLEACHER																					
32		HW-B-40001		GR5 HEX MECH GALV. 3/8" x 3"				8		PER BLEACHER																					
33		HW-B-40002		GR5 HEX MECH GALV. 3/8" x 2-1/2"				6		PER BLEACHER																					
34		ISO 8676 - M12x1.5 x 25-C		BOLTS SUPPLIED WITH (ITEM 23) STUB AXLE				8																							
35		HW-B-075-589PAP		1/2"-12 x 2-3/4" GR5 BOLT				2																							
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8		7		6		5		4		3		2		1																	

NOTES:
SEE SHEET 2 FOR BALLOON ITEMS AND QUANTITIES

HARDWARE

D



24 HW-N-2000-Z



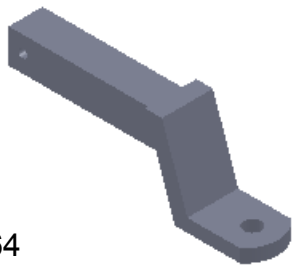
29 HW-N-10000



31 HW-W-30000



21 HW-38-26LP



26 HW-8049364



25 HW-8194243

C



34 ISO 8676-M12 x 1.5 x 25-C



22 HW-4200048



30 HW-B-40000



12 HW-2080000



B



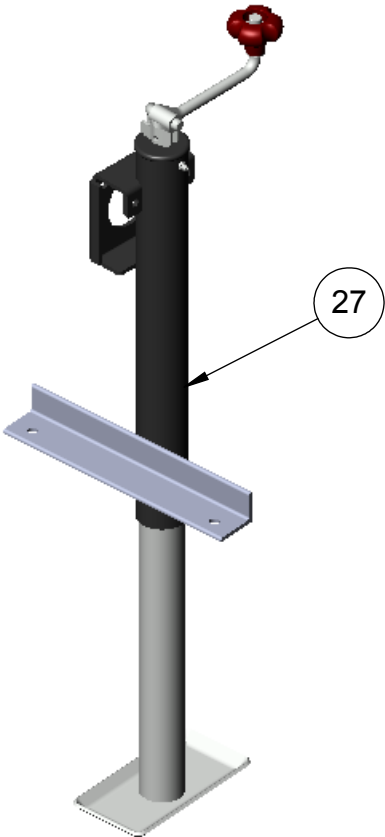
33 HW-B-40002



35 HW-B-075-589PAP



32 HW-B-40001



27



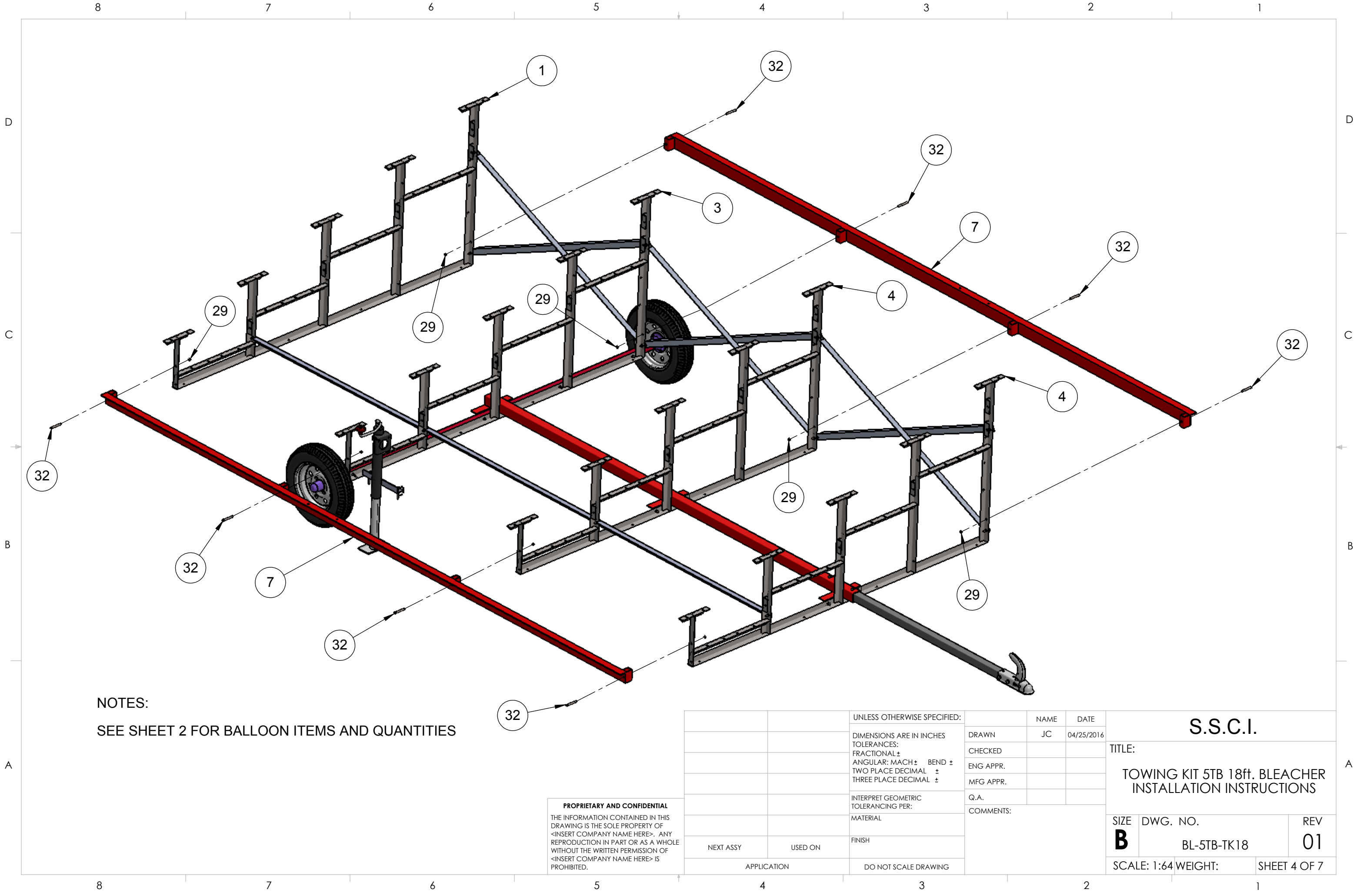
23 HW-2026755



A

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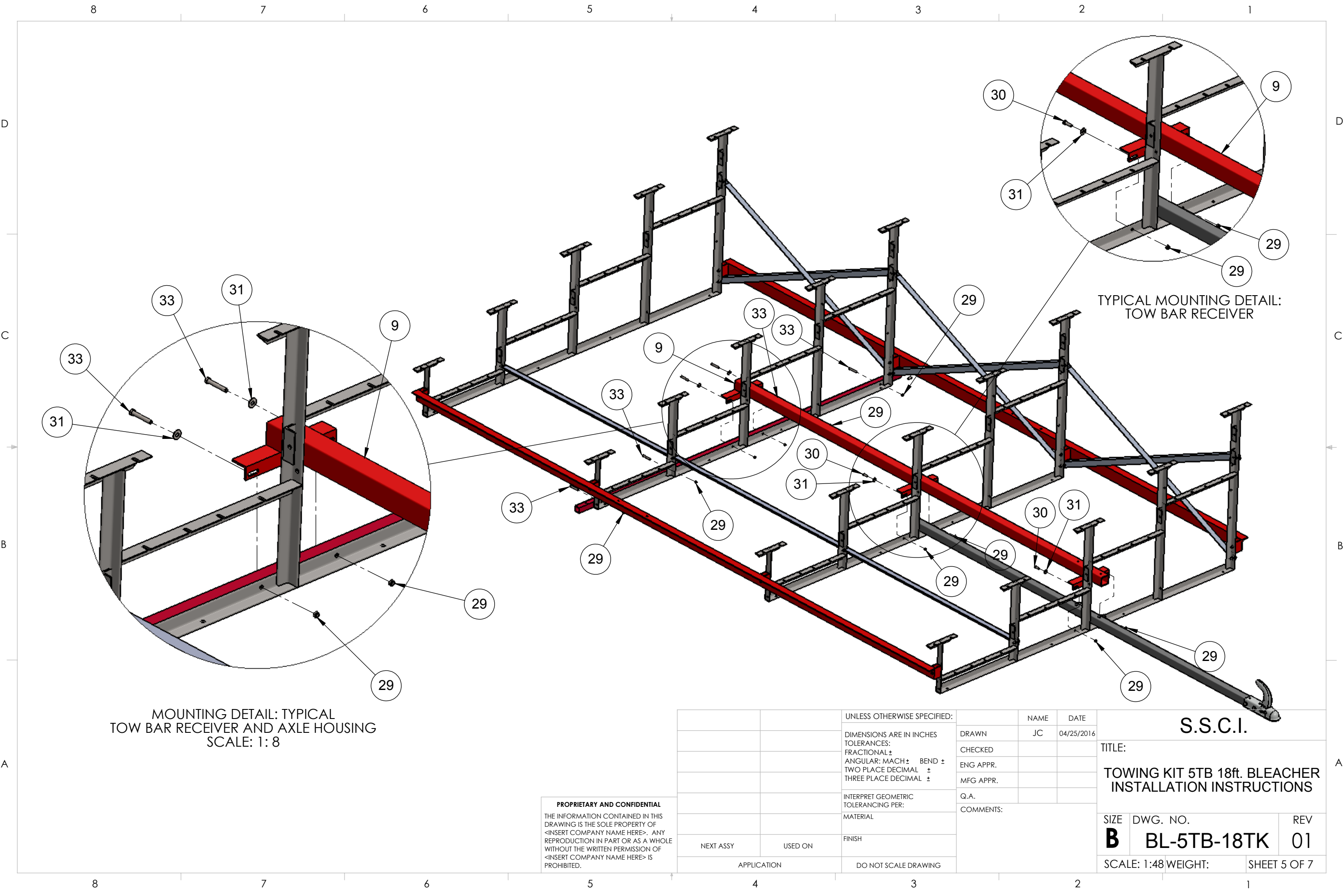
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	S.S.C.I.	
		DIMENSIONS ARE IN INCHES	DRAWN	JC	04/25/2016	TITLE: TOWING KIT 5TB 18ft. BLEACHER INSTALLATION INSTRUCTIONS	
		TOLERANCES:	CHECKED				
		FRACTIONAL ±	ENG APPR.				
		ANGULAR: MACH ± BEND ±	MFG APPR.				
		TWO PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV	
		THREE PLACE DECIMAL ±	COMMENTS:			B BL-5TB-18TK 01	
NEXT ASSY	USED ON	FINISH					SCALE: 1:8 WEIGHT: SHEET 3 OF 7
APPLICATION		DO NOT SCALE DRAWING					



NOTES:
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		ANGULAR: MACH ± BEND ±	ENG APPR.					
		TWO PLACE DECIMAL ±	MFG APPR.					
		THREE PLACE DECIMAL ±	Q.A.					
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE DWG. NO. REV B BL-5TB-TK18 01		
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:64 WEIGHT: SHEET 4 OF 7		

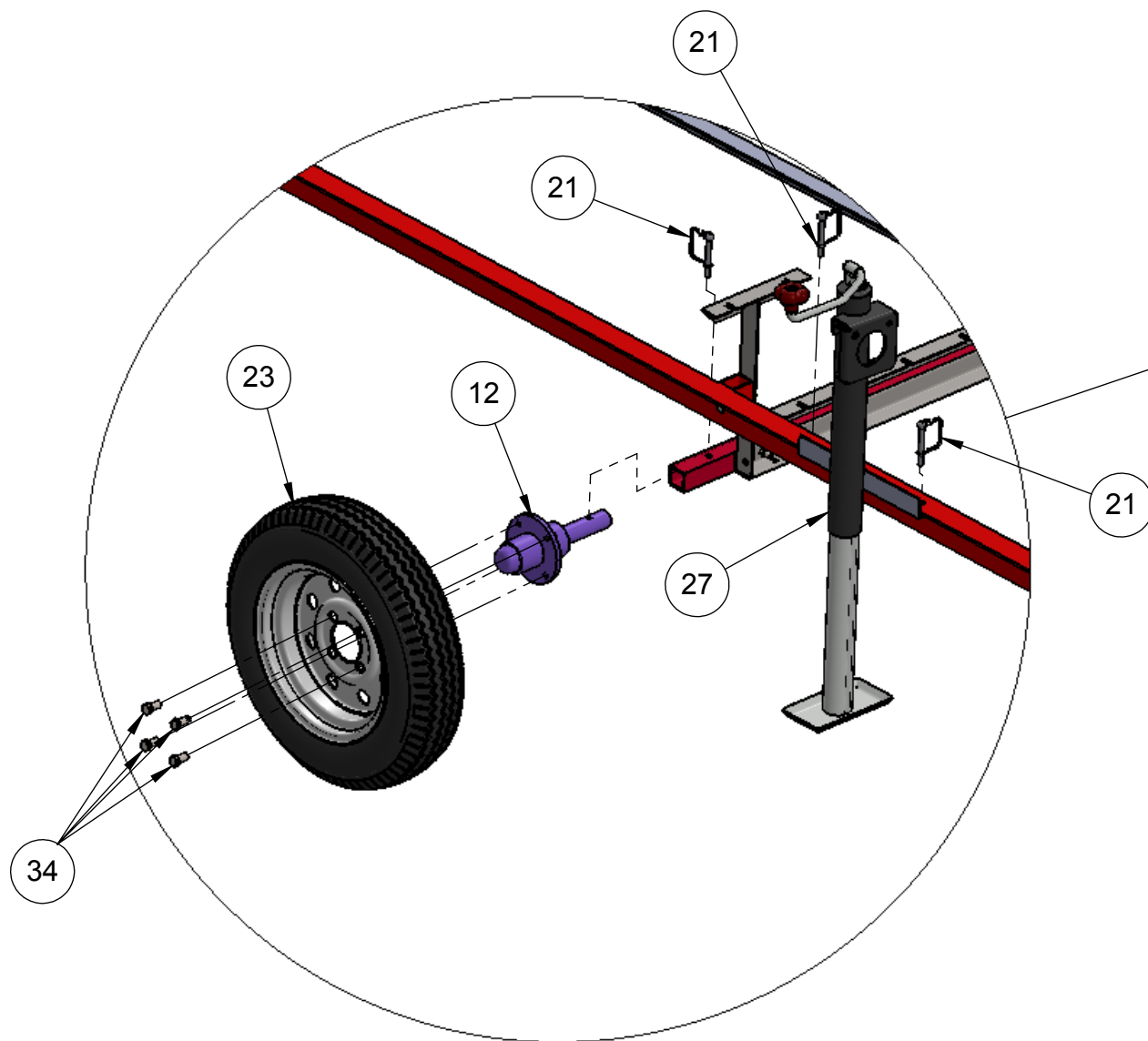


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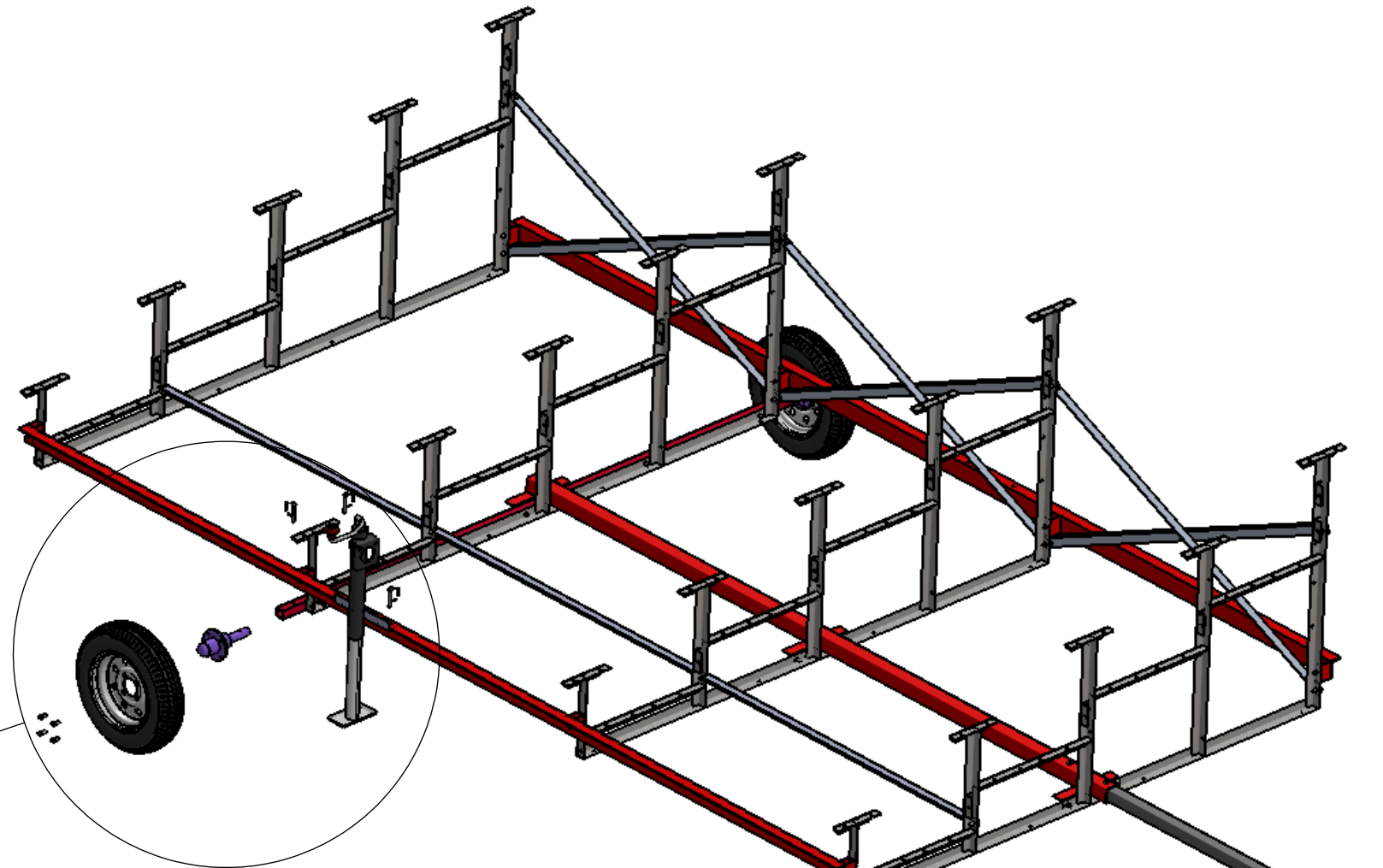
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		DIMENSIONS ARE IN INCHES		DRAWN	JC		
		TOLERANCES:		CHECKED		TITLE:	
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.		TOWING KIT 5TB 18ft. BLEACHER INSTALLATION INSTRUCTIONS	
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:		SIZE DWG. NO. REV	
		INTERPRET GEOMETRIC TOLERANCING PER:				B BL-5TB-18TK 01	
		MATERIAL				SCALE: 1:48 WEIGHT: SHEET 5 OF 7	
		FINISH					
NEXT ASSY	USED ON	APPLICATION		DO NOT SCALE DRAWING			

NOTES:

SEE SHEET 2 FOR BALLOON ITEMS AND QUANTITIES

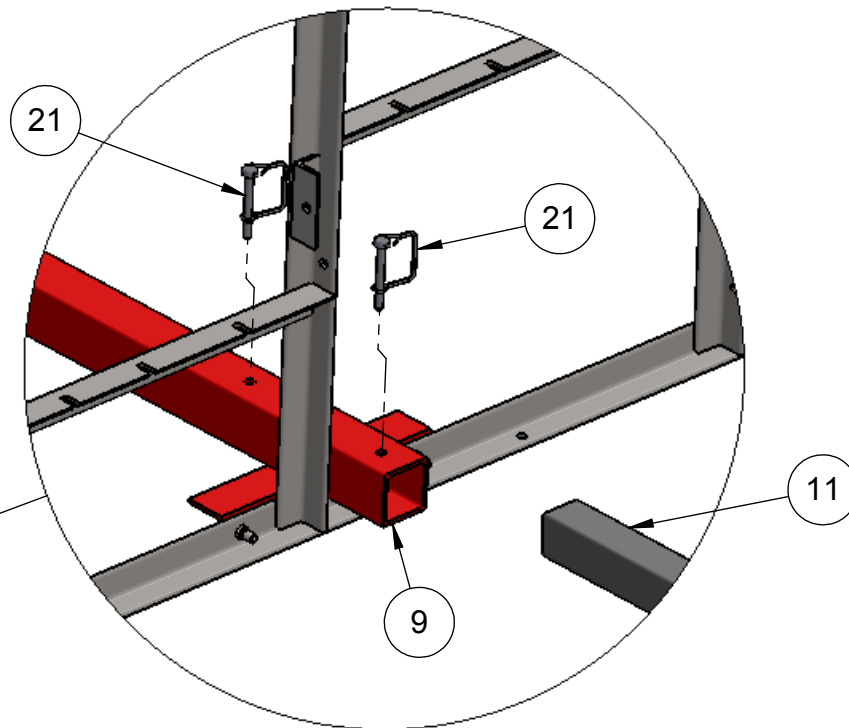
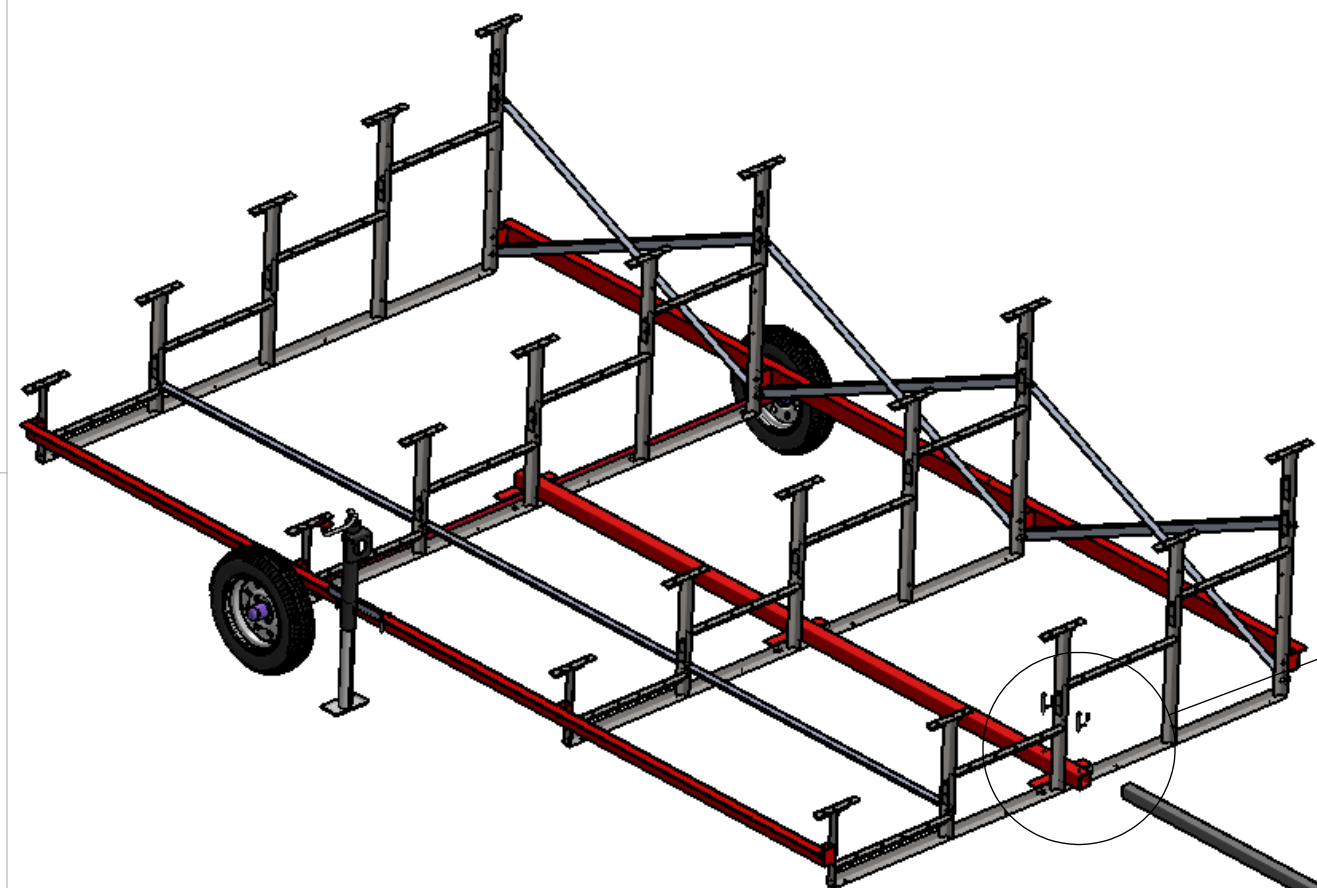


TYPICAL INSTALL DETAIL:
AXLE HUB AND TIRE ASSEMBLY

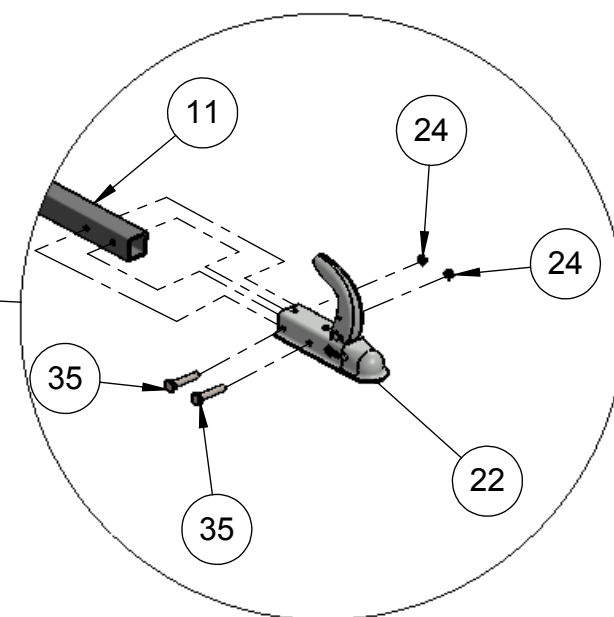
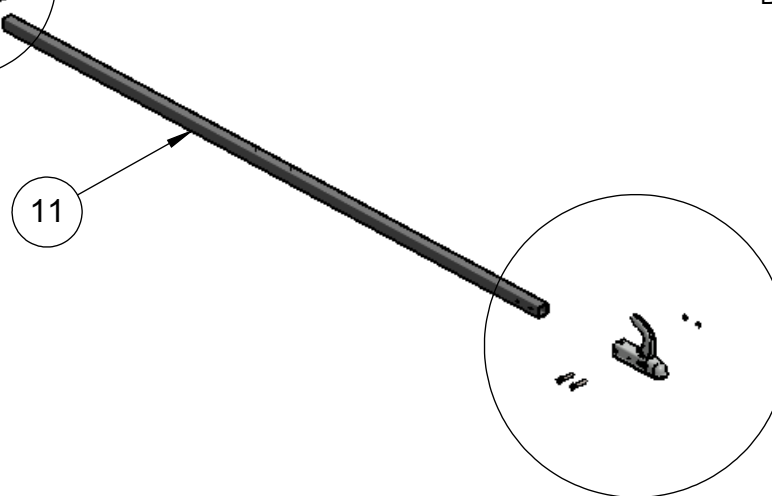


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		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±						
		THREE PLACE DECIMAL ±				SIZE DWG. NO. REV B BL-5TB-TK18 01		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
		MATERIAL	COMMENTS:			SCALE: 1:64 WEIGHT: SHEET 6 OF 7		
		FINISH						



DETSAIL: TOW BAR INSTAKK
SCALE 1 : 8



INSTALL DETAIL: 2" COUPLING
SCALE 1 : 15

NOTES:

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	JC	04/25/2016			
			CHECKED			TITLE: TOWING KIT 5TB 18ft. BLEACHER INSTALLATION INSTRUCTIONS		
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
		MATERIAL	COMMENTS:			SIZE DWG. NO. REV B BL-5TB-TK18 01		
		FINISH						
NEXT ASSY	USED ON					SCALE: 1:64 WEIGHT: SHEET 7 OF 7		
APPLICATION		DO NOT SCALE DRAWING						