OVERALL LOAD TABLE (1 of 2)

TABLE 1LOAD

	Max	imum Brace Loads	Allowable Values							
	C	Configuration	45 deg Brac Tension (lb)		60 deg Brace from Horiz Tension (lb) Comp. (lb)					
*	S	Fig 981 w/ 3/8" to 7/8" Rod	1263	1843	1320	1227				
*	General Bracket Connections	Fig 985 w/ 3/8" to 5/8" Rod	813	1030	693	1123				
*	Bracket C	Fig 986	787	847	797	927				
	General	Fig 990 w/ 3/16" Dia Cable	1387	0	1507	0				
		Fig 991 w/ 3/16" Dia Cable	1023	0	1073	0				
*	Connections	4" Clevis Hanger/ Fig 980 w/ 5/8" Rod	1105	303	864	310				
*		6" Clevis Hanger/ Fig 980 w/ 3/4" Rod	1175	665	1181	503				
*	Fig 1 Bracket	8" Clevis Hanger/ Fig 980 w/ 3/4" Rod	1540	450	1073	390				



1. A factor of Safety of 3.0 is applied to the lowest of ultimate loads.



* Deleted by the City of Los Angeles

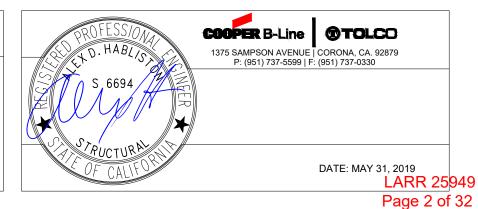
OVERALL LOAD TABLE (2 of 2)

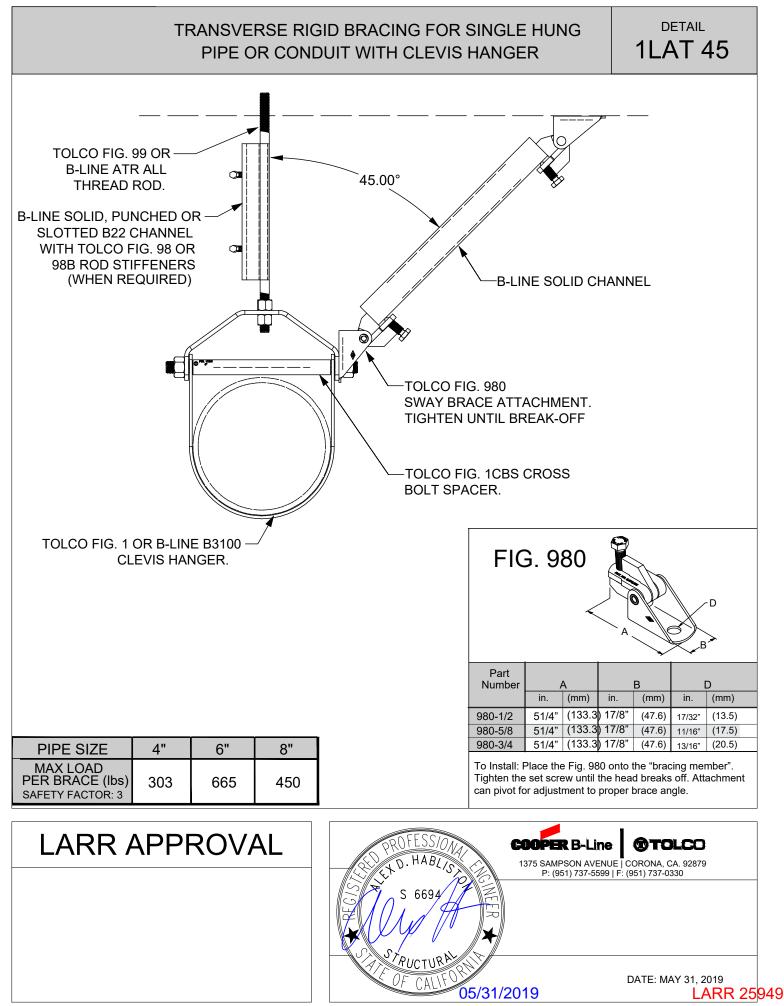
TABLE 2LOAD

М	aximum Loads	Allowable Values								
PART NUMBER		CLAMP Design Load Pt Pl			GUIDE Design Load Pt Pl					
	9ZN-1205	570	482	155	570	482				
Hold Down Clamp	9ZN-1208	570	482	155	570	482				
	9ZN-1241	1031	1240	702						
	B355	1196	503	180						

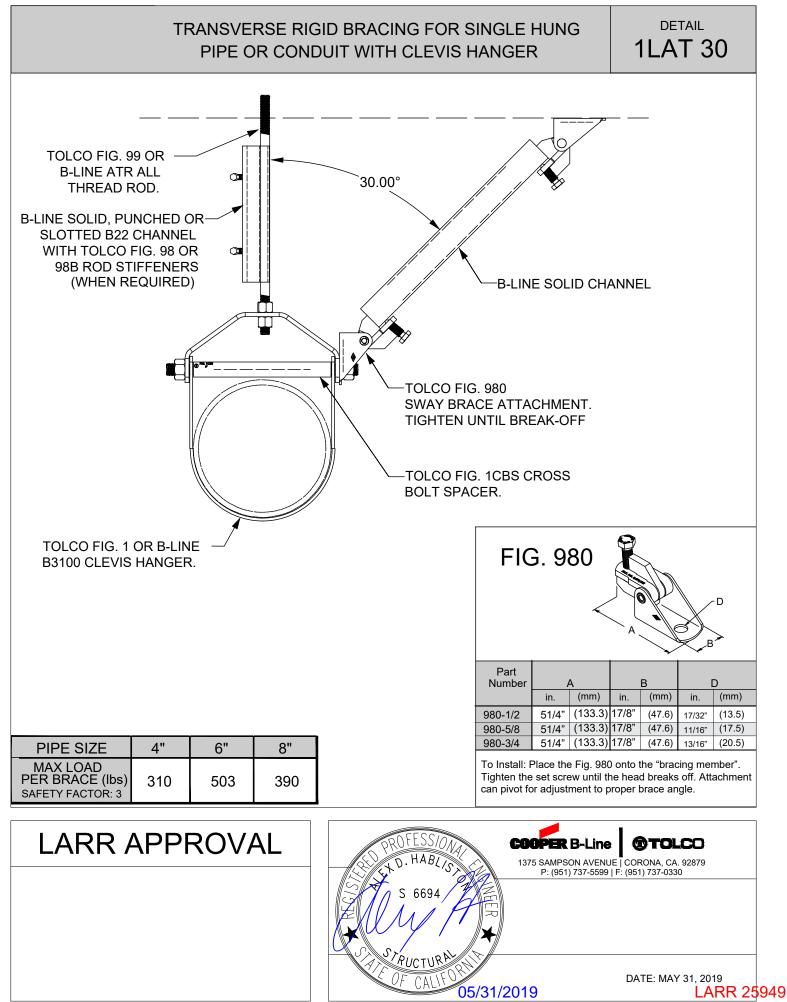
LARR APPROVAL

1. A factor of Safety of 3.0 is applied to the lowest of ultimate loads.

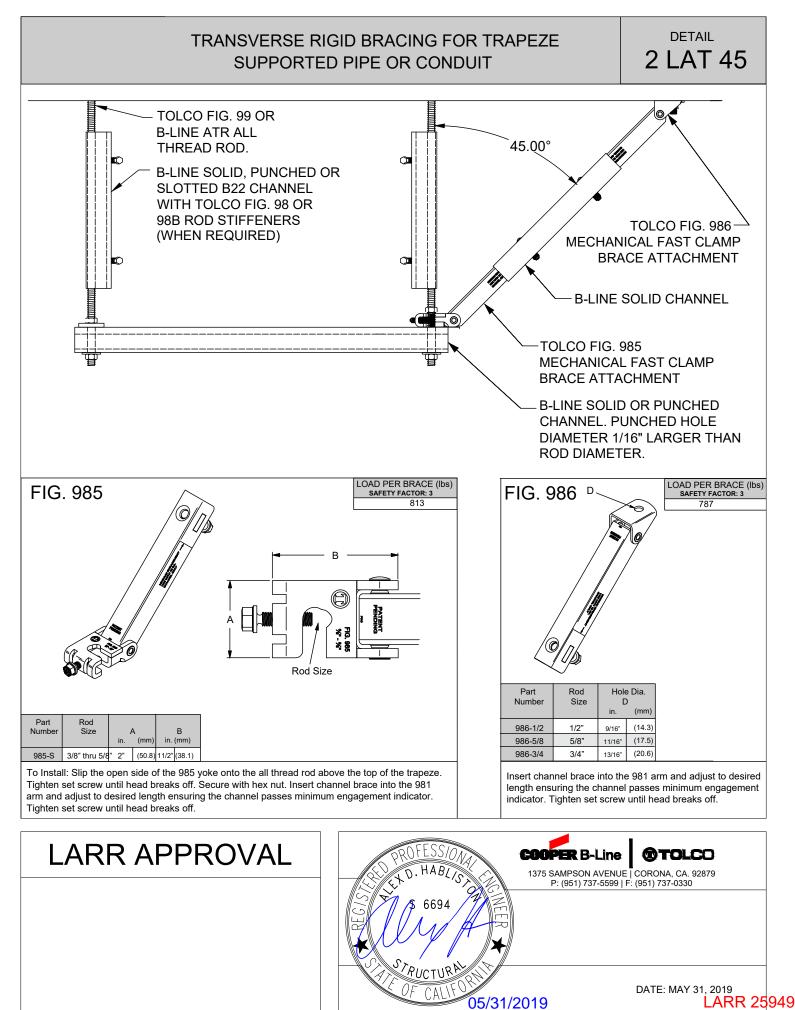




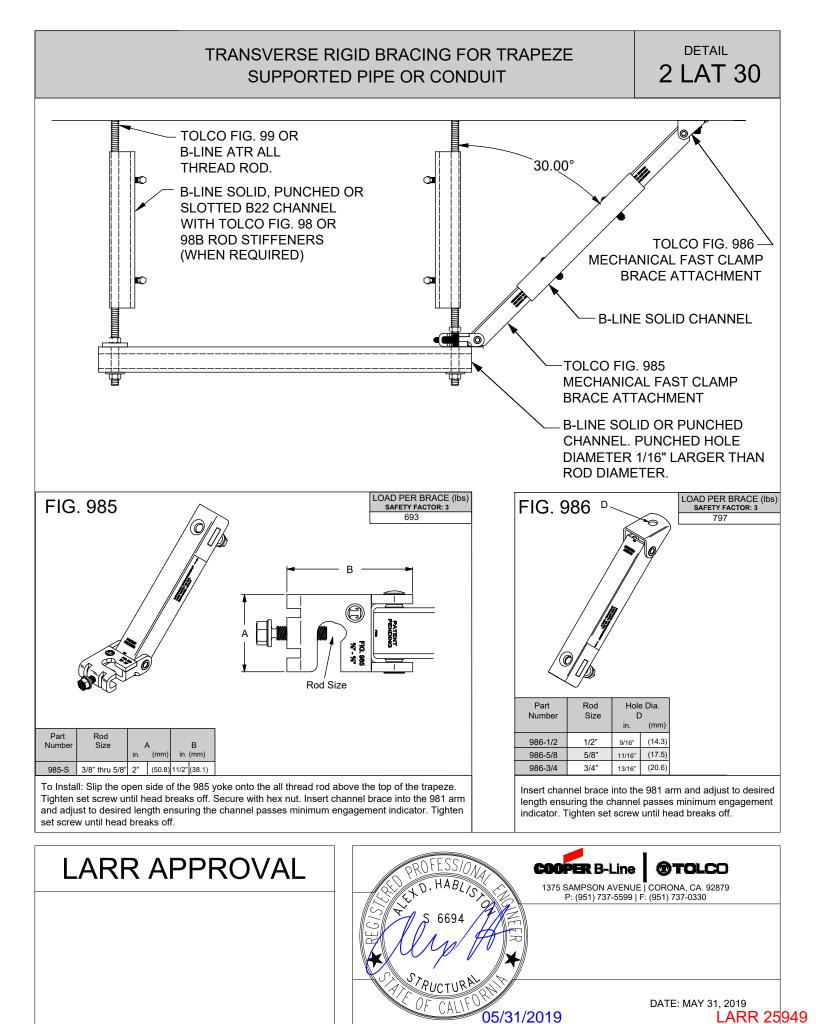
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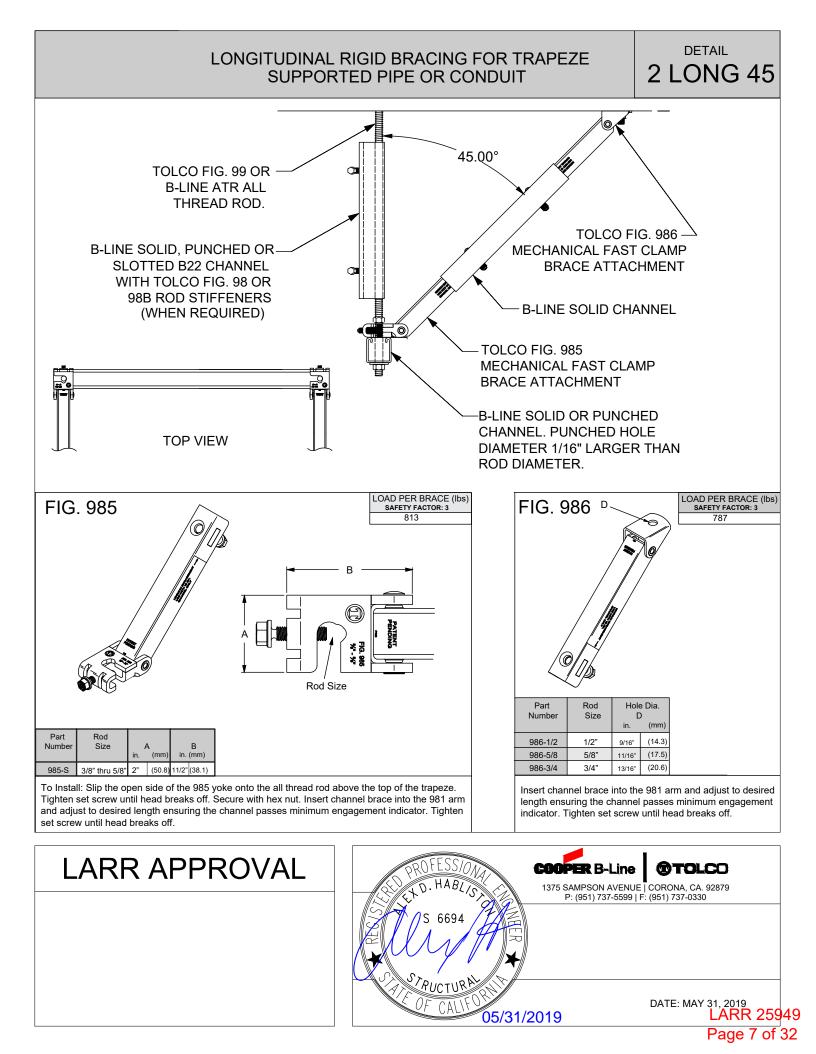
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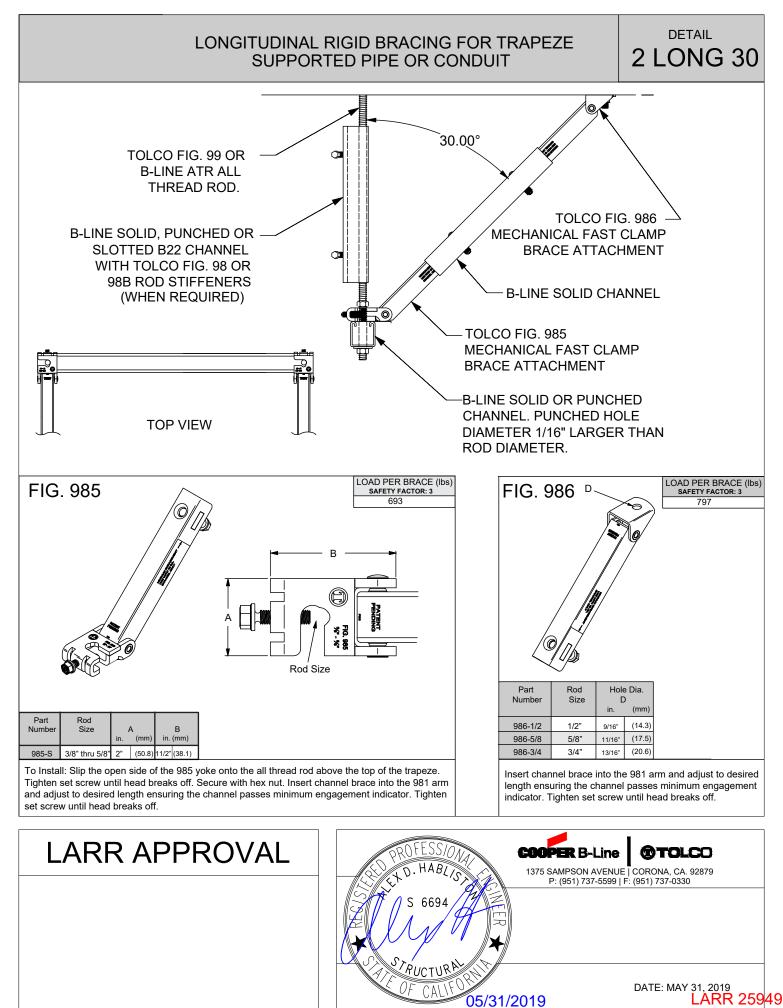


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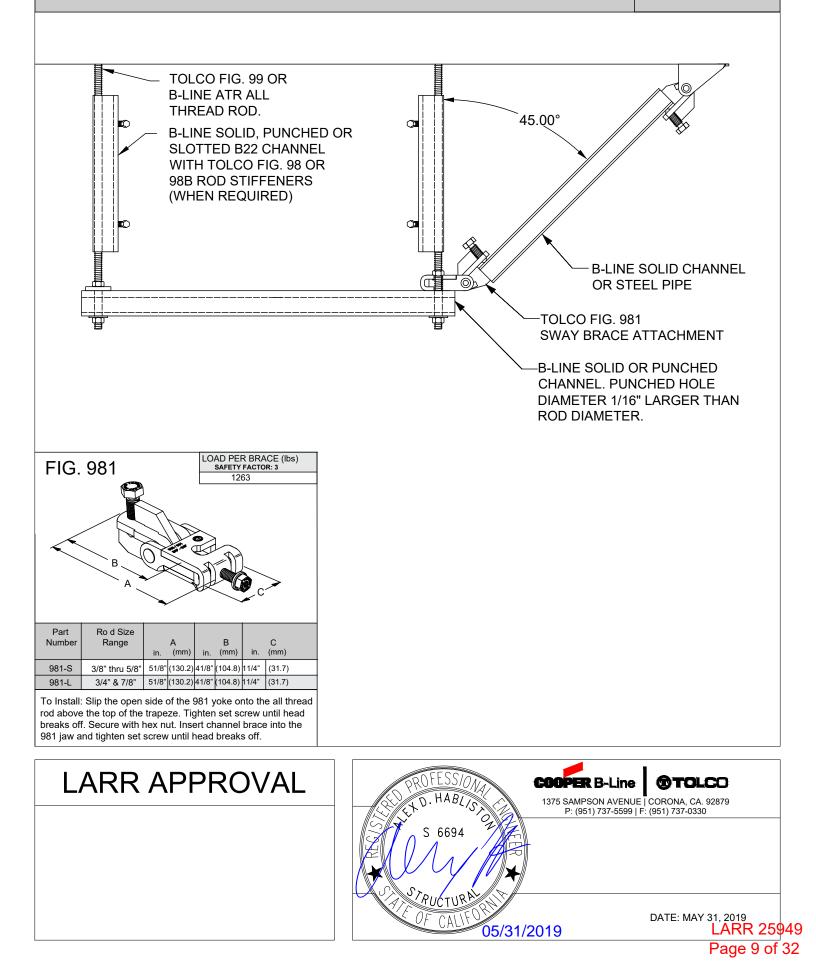




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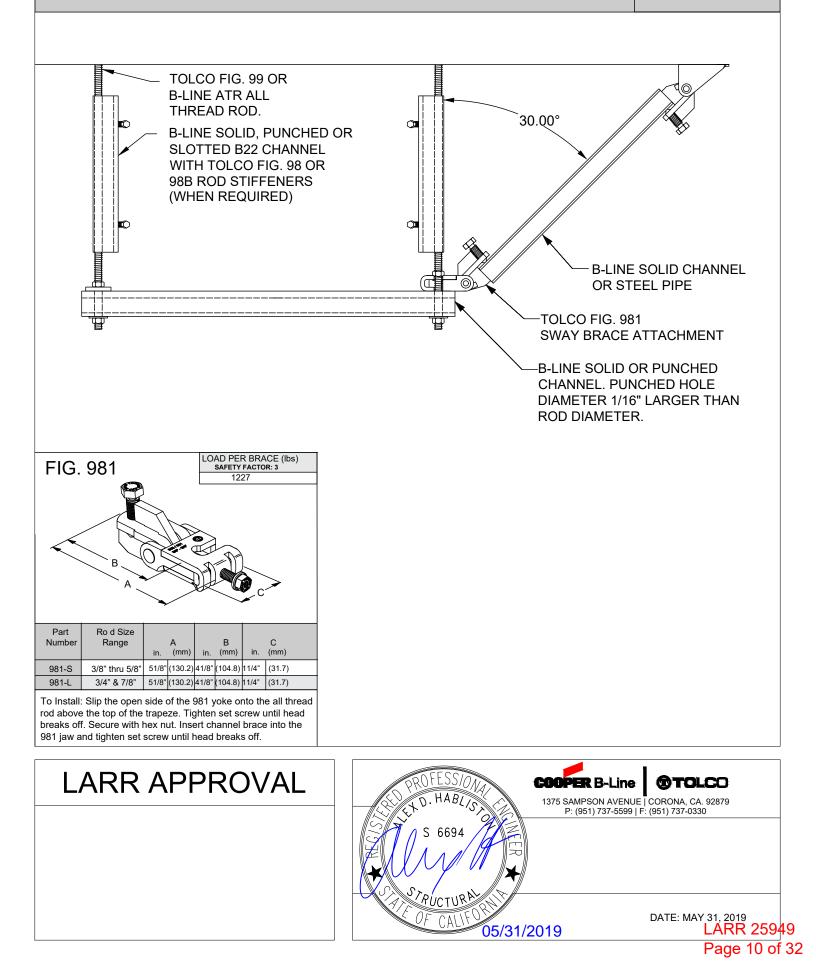
TRANSVERSE RIGID BRACING FOR TRAPEZE SUPPORTED PIPE OR CONDUIT

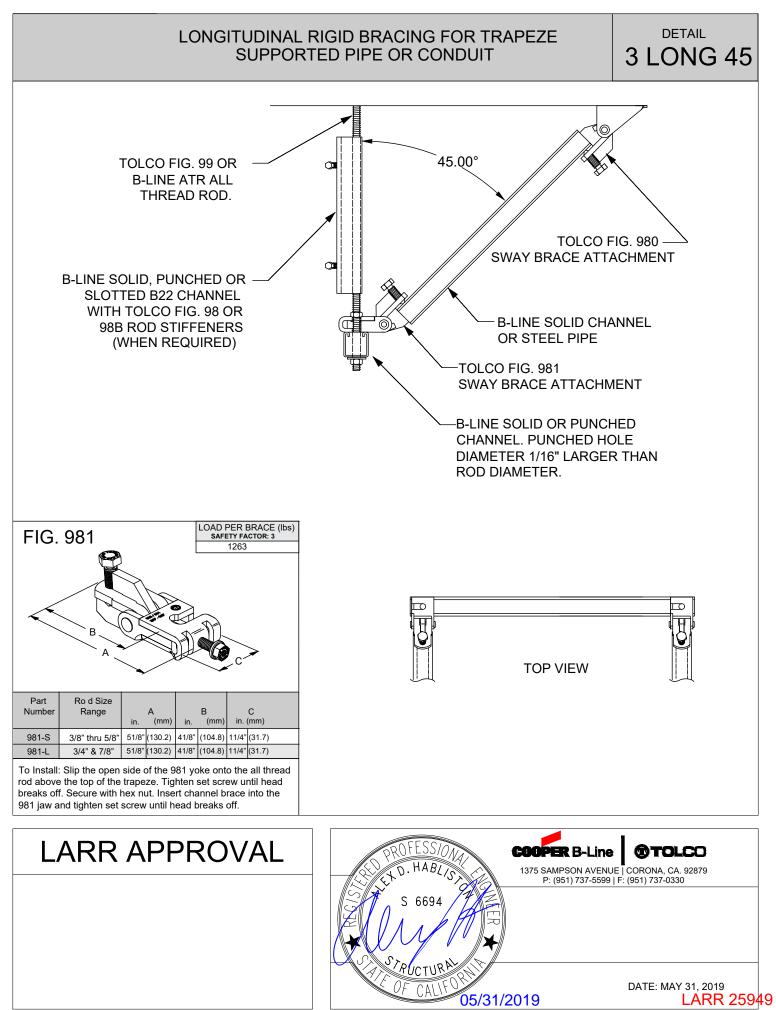
3 LAT 45



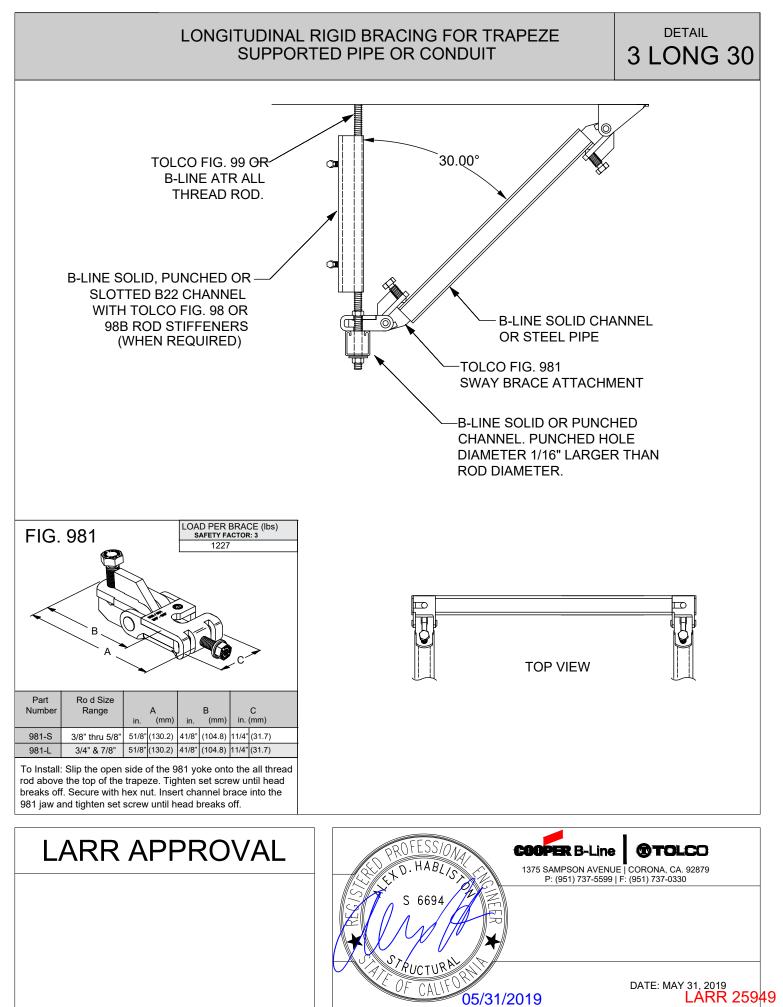
TRANSVERSE RIGID BRACING FOR TRAPEZE SUPPORTED PIPE OR CONDUIT

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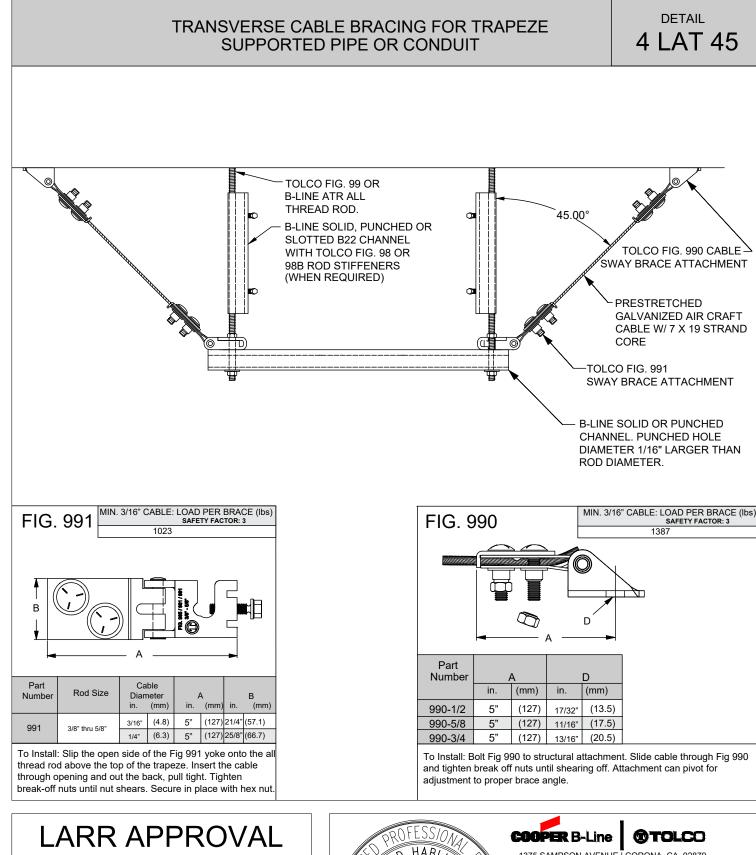




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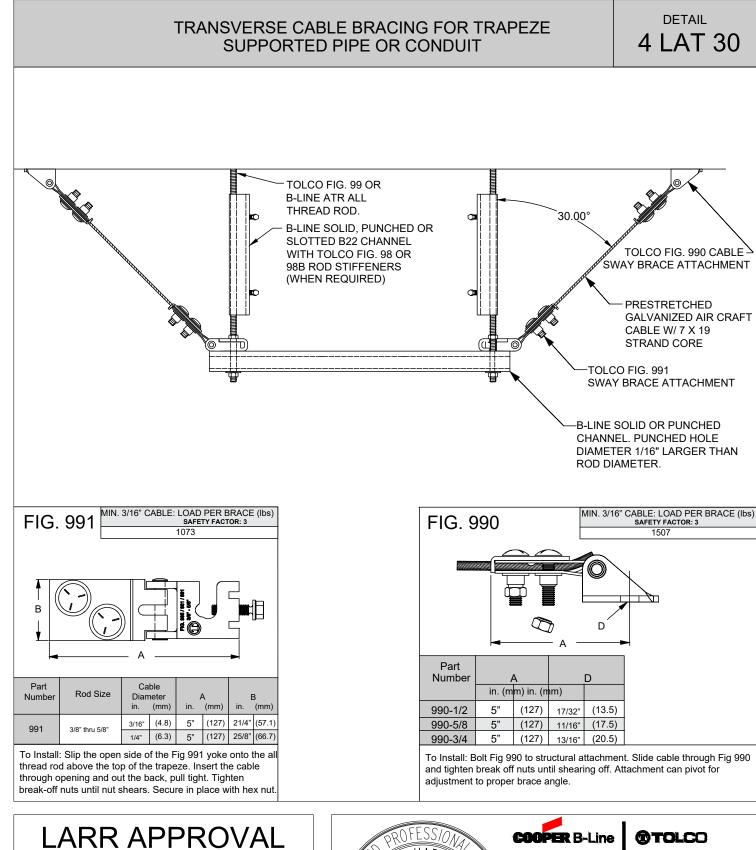


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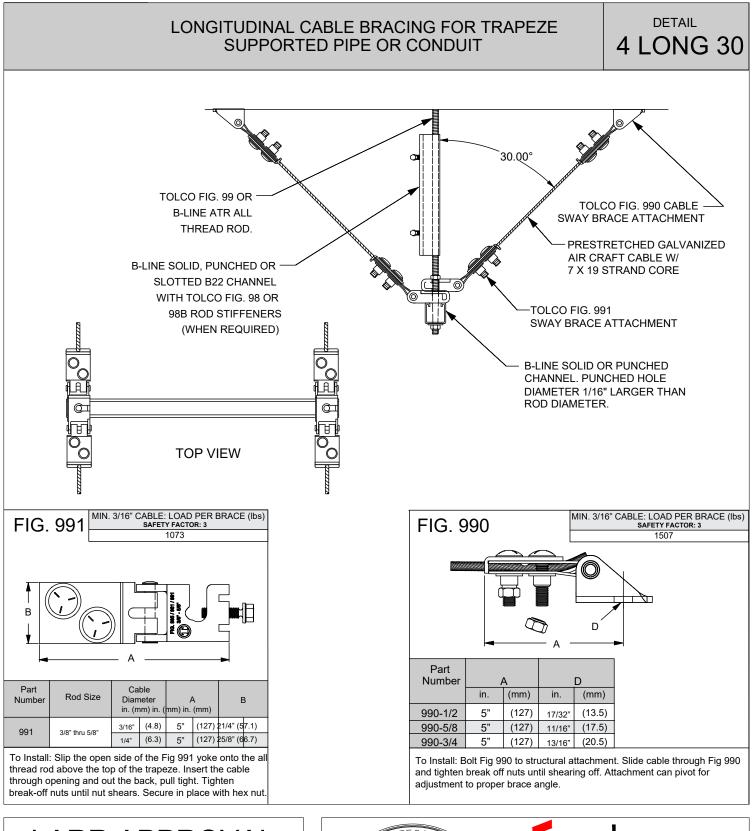
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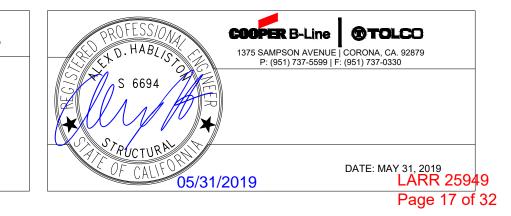


45.00° $\mathbf{\Omega}$ TOLCO FIG. 990 CABLE TOLCO FIG. 99 OR SWAY BRACE ATTACHMENT **B-LINE ATR ALL** THREAD ROD. PRESTRETCHED GALVANIZED AIR CRAFT CABLE W/ B-LINE SOLID, PUNCHED OR 7 X 19 STRAND CORE SLOTTED B22 CHANNEL WITH TOLCO FIG. 98 OR TOLCO FIG. 991 98B ROD STIFFENERS SWAY BRACE ATTACHMENT (WHEN REQUIRED) B-LINE SOLID OR PUNCHED CHANNEL. PUNCHED HOLE **DIAMETER 1/16" LARGER THAN** ROD DIAMETER. Q भ TOP VIEW MIN. 3/16" CABLE: LOAD PER BRACE (Ibs) SAFETY FACTOR: 3 MIN. 3/16" CABLE: LOAD PER BRACE (Ibs) SAFETY FACTOR: 3 FIG. 990 FIG. 991 1023 1387 B D Part Number D Part Cable in. (mm) in. (mm) Rod Size Number Diameter в in. (mm) in. (mm) in. (mm) 5" (13.5) (127) 990-1/2 17/32" 3/16" (4.8) 5" (127) 21/4" (57.1) 5" (17.5) 990-5/8 (127) 11/16" 991 3/8" thru 5/8" 1/4" (6.3) 5" (127) 25/8" (66.7) 5" (127) (20.5) 990-3/4 13/16" To Install: Slip the open side of the Fig 991 yoke onto the all To Install: Bolt Fig 990 to structural attachment. Slide cable through Fig 990 thread rod above the top of the trapeze. Insert the cable and tighten break off nuts until shearing off. Attachment can pivot for through opening and out the back, pull tight. Tighten adjustment to proper brace angle. break-off nuts until nut shears. Secure in place with hex nut.









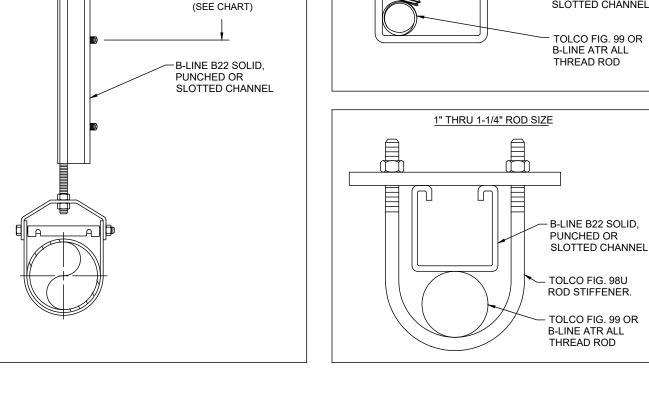
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2"

(MAX.)

ROD SIZE	MAX. ROD LENGTH WITHOUT ROD STIFFENER	MAX. SPACING BETWEEN TOLCO FIG. 98				
3/8"	19"	13"				
1/2"	25"	18"				
5/8"	31"	23"				
3/4"	37"	28"				
7/8"	43"	33"				
1"	50"	38"				
1 1/4"	62"	43"				



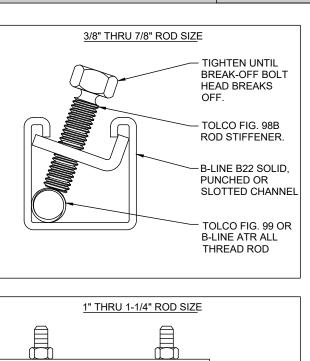
6" MAX. DISTANCE FROM

TOP OF HANGER ROD

TO FIRST STIFFENER

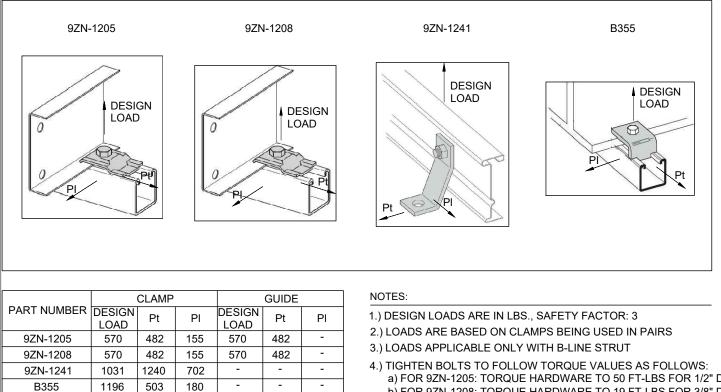
MAX. SPACING

BETWEEN FIG. 98B



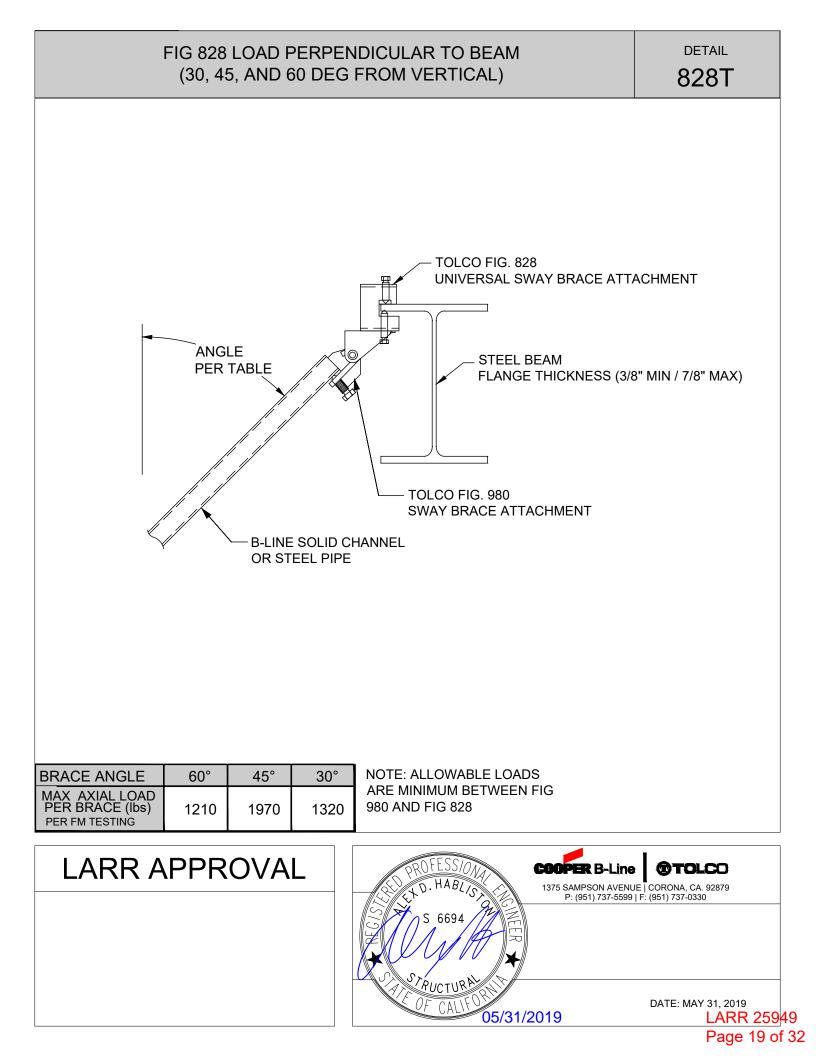
B-LINE 9ZN-1205, 9ZN-1208, 9ZN-1241 & B355 HOLD DOWN CLAMP

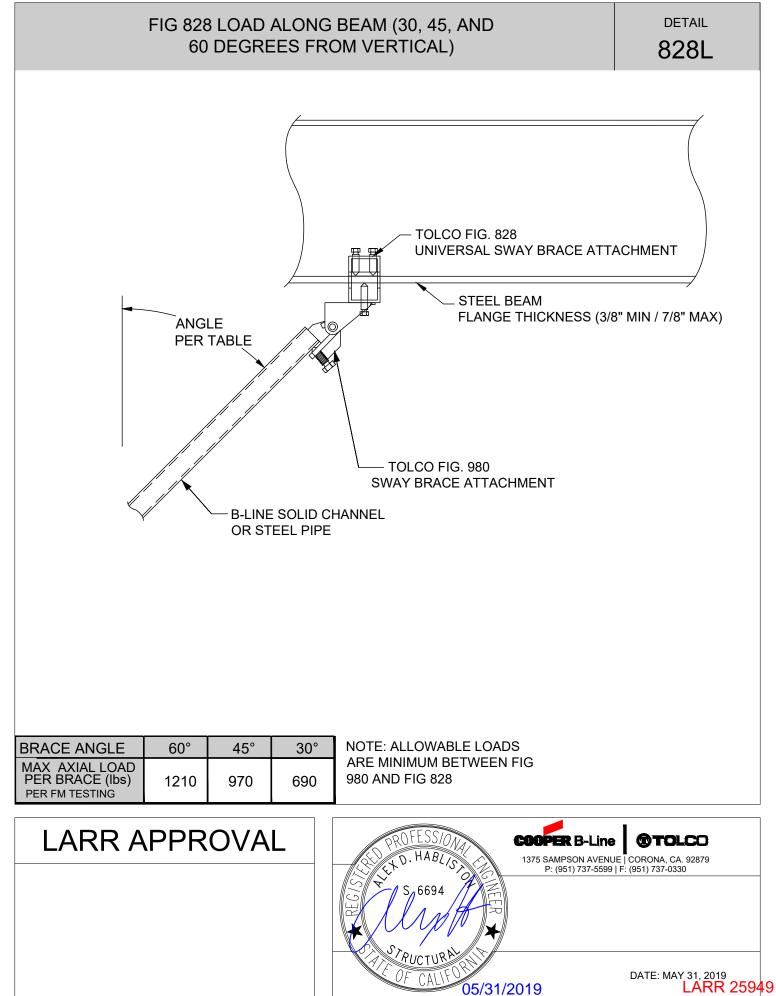
DETAIL



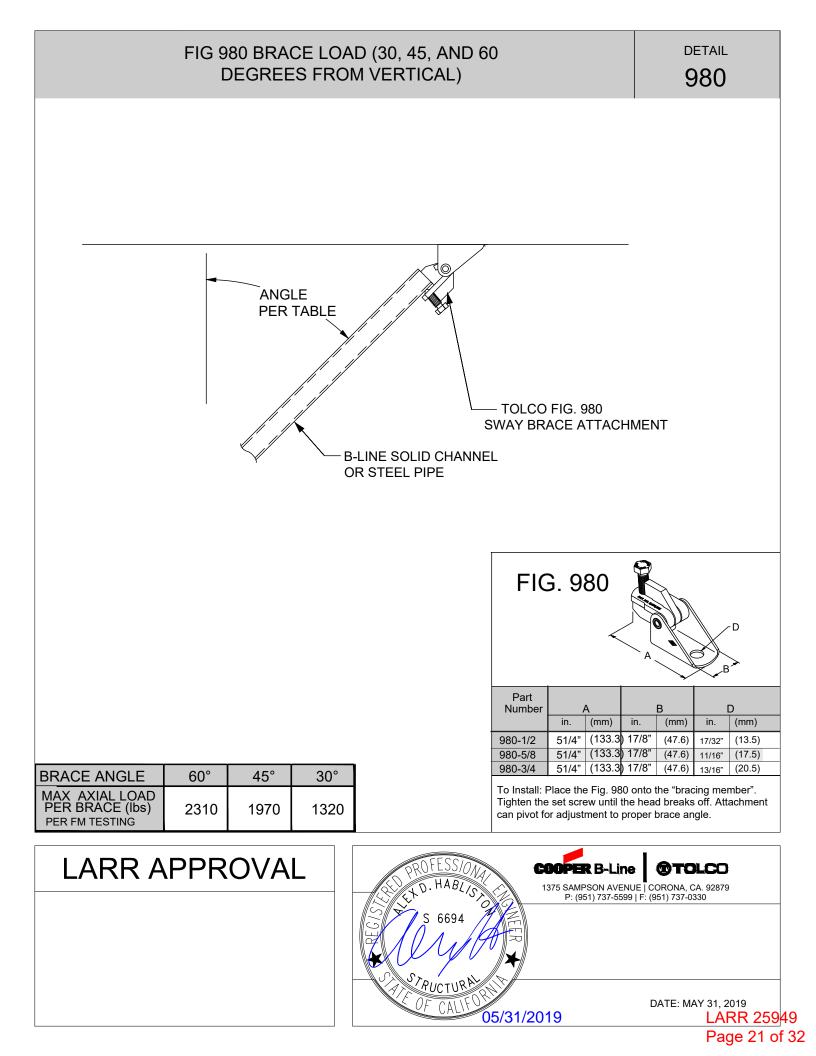
a) FOR 9ZN-1205: TORQUE HARDWARE TO 50 FT-LBS FOR 1/2" DIA b) FOR 9ZN-1208: TORQUE HARDWARE TO 50 FT-LBS FOR 1/2" DIA c) FOR 9ZN-1241: TORQUE HARDWARE TO 19 FT-LBS FOR 3/8" DIA d) FOR B355: TORQUE HARDWARE TO 50 FT-LBS FOR 1/2" DIA

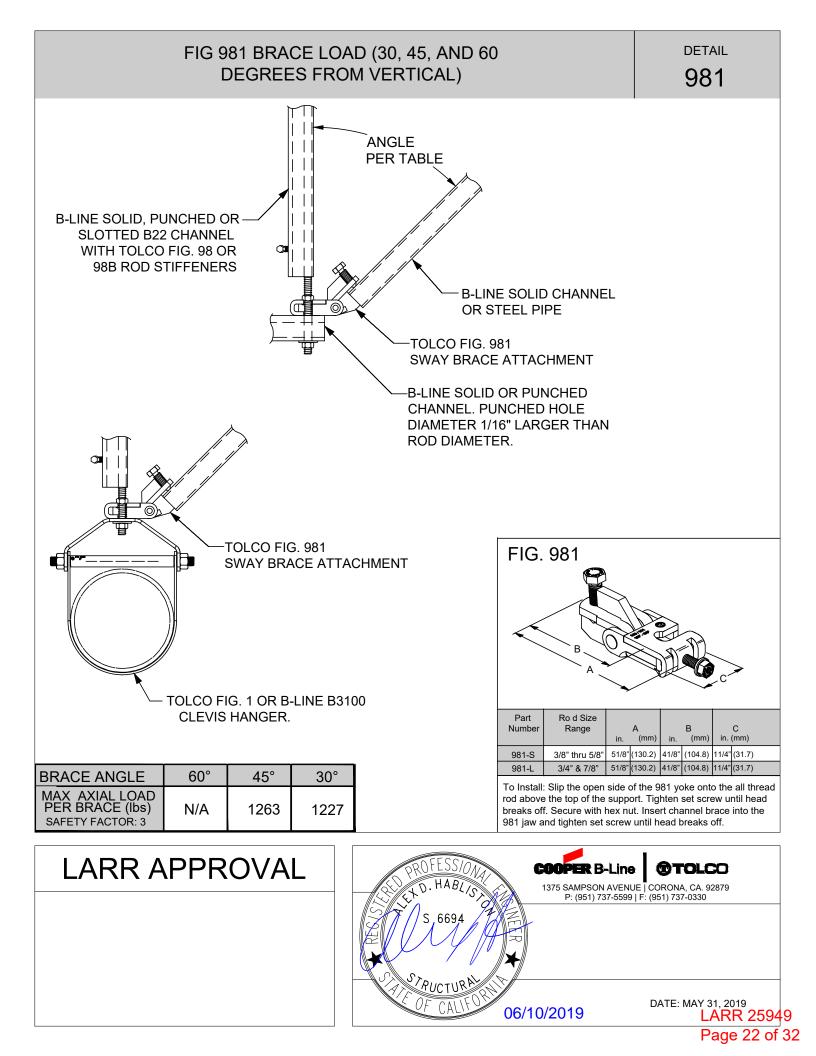


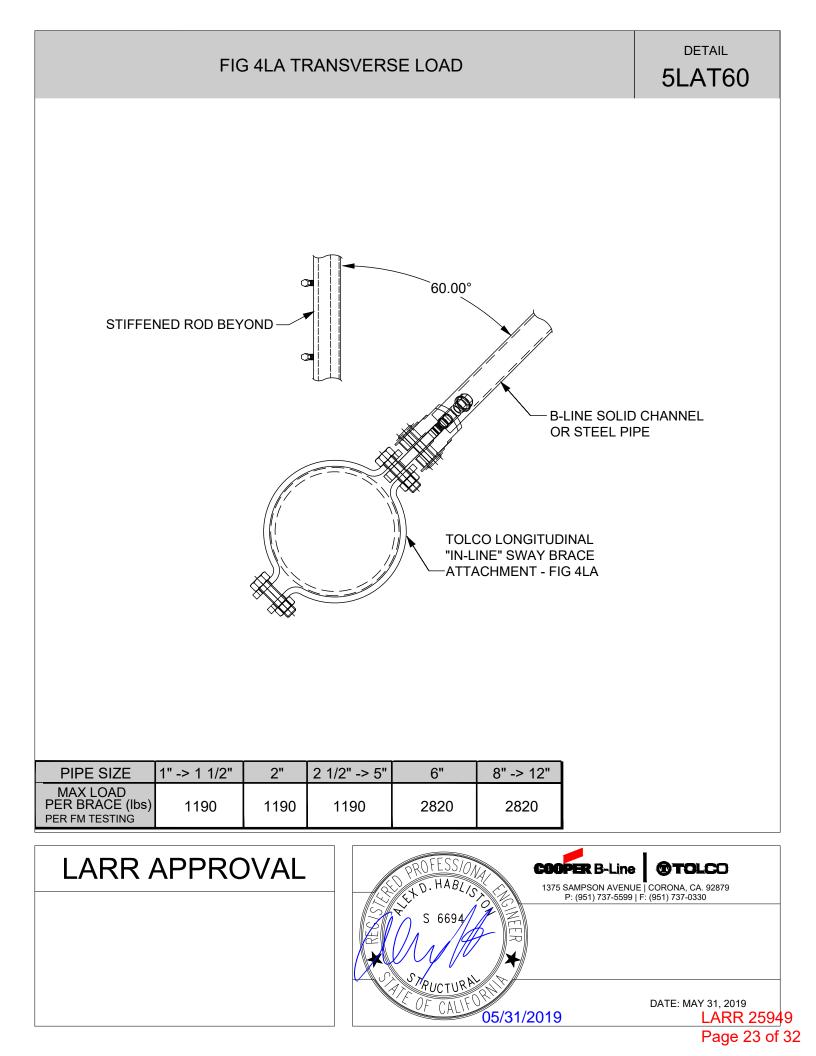


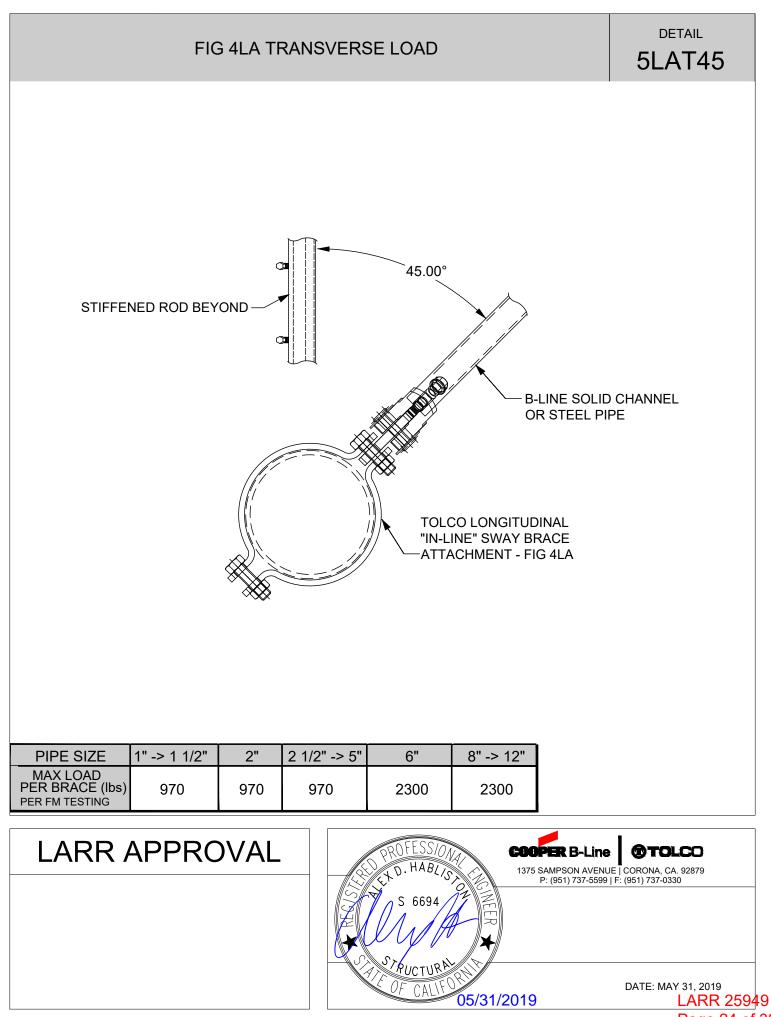


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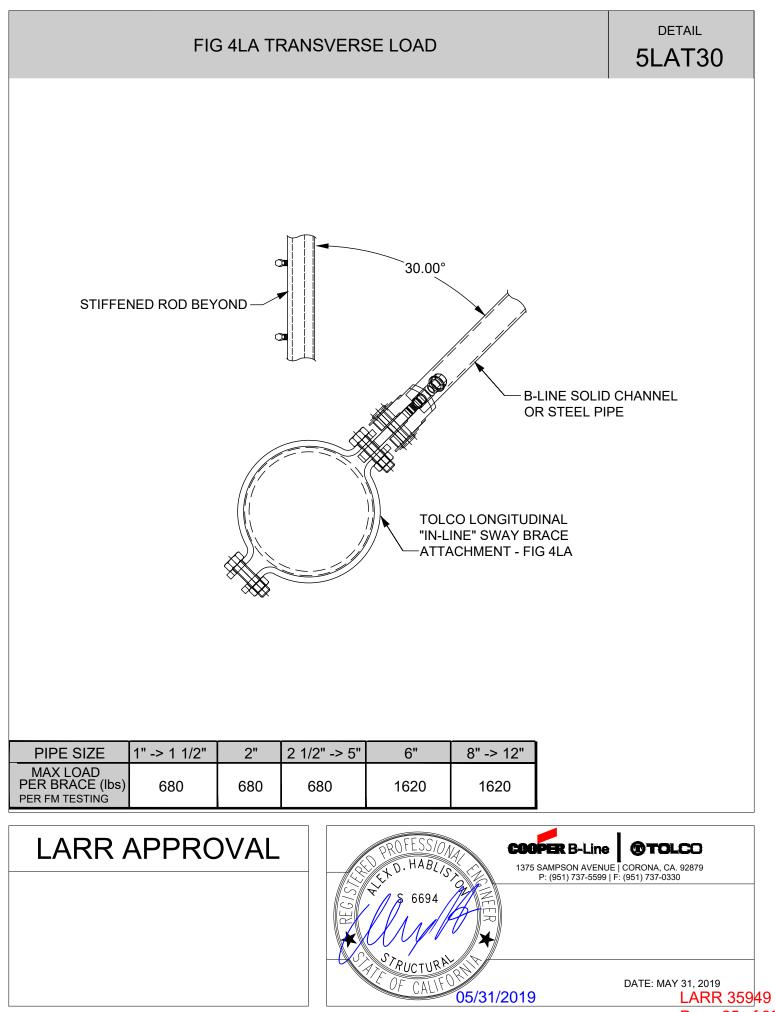




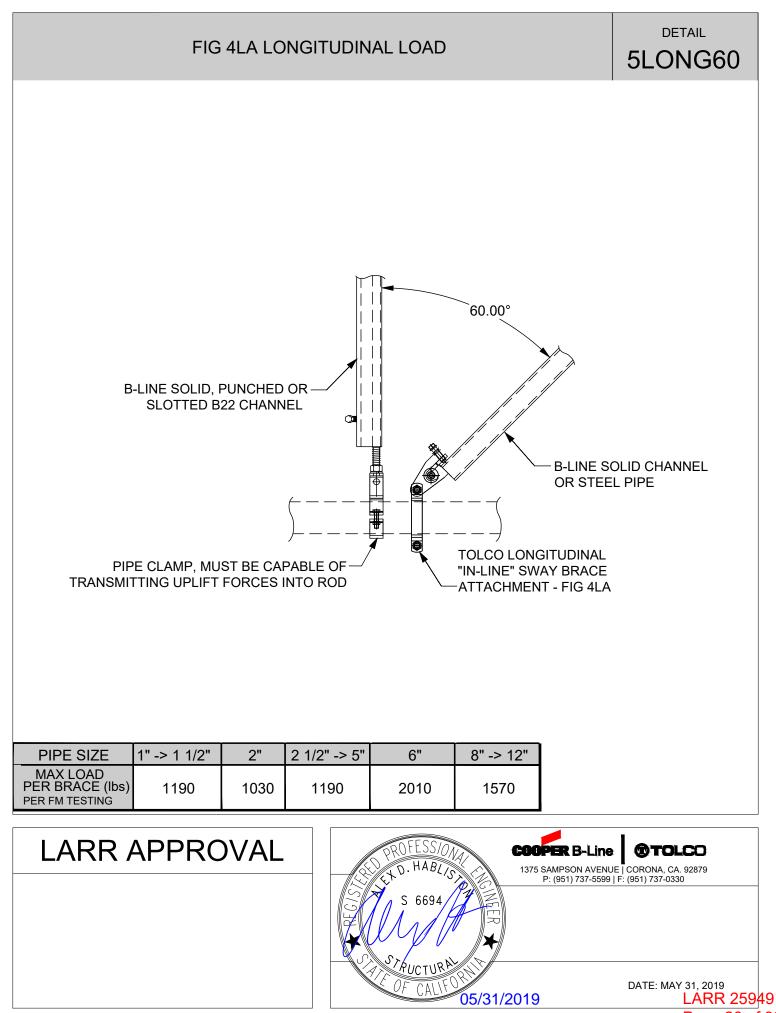




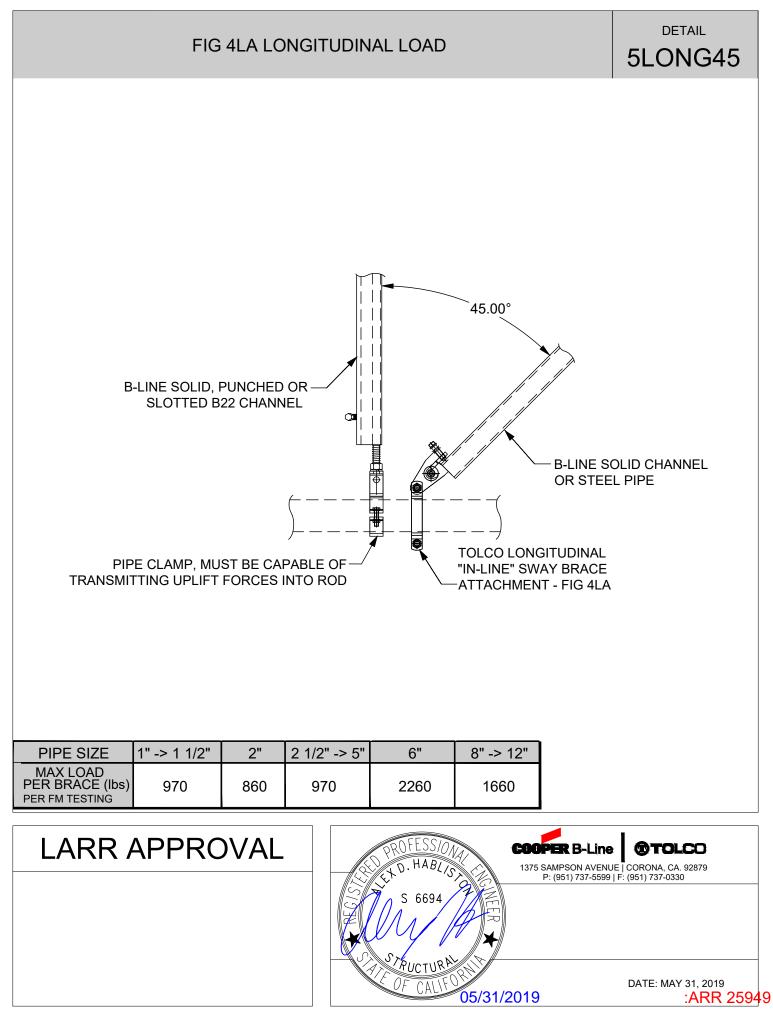
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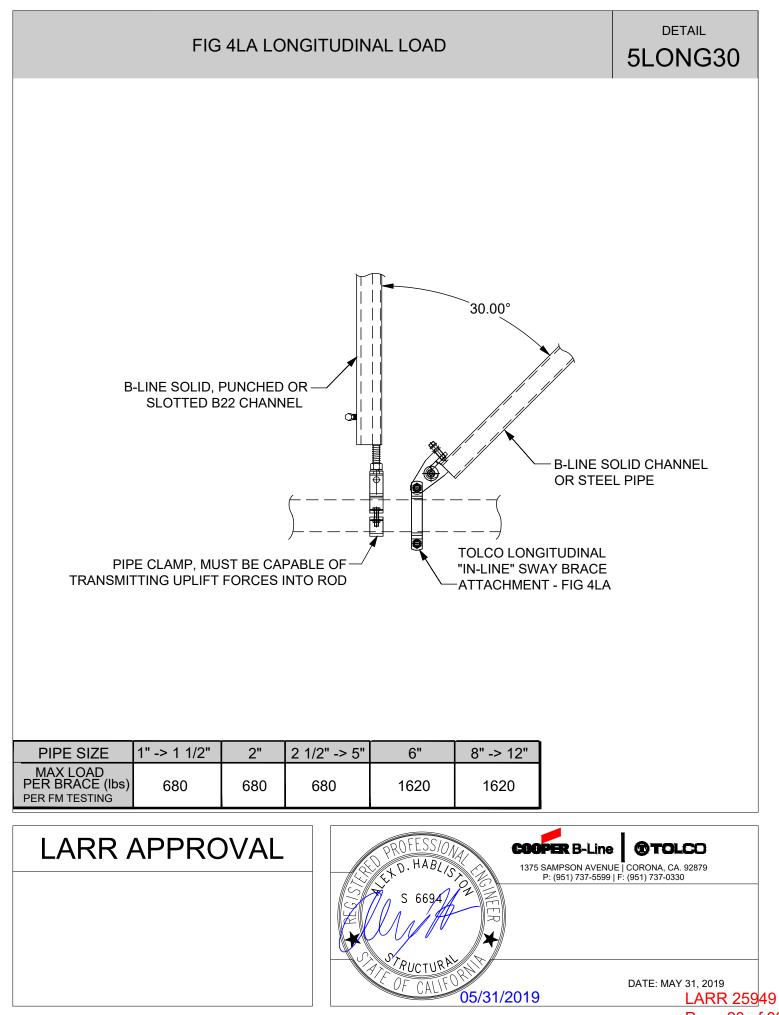
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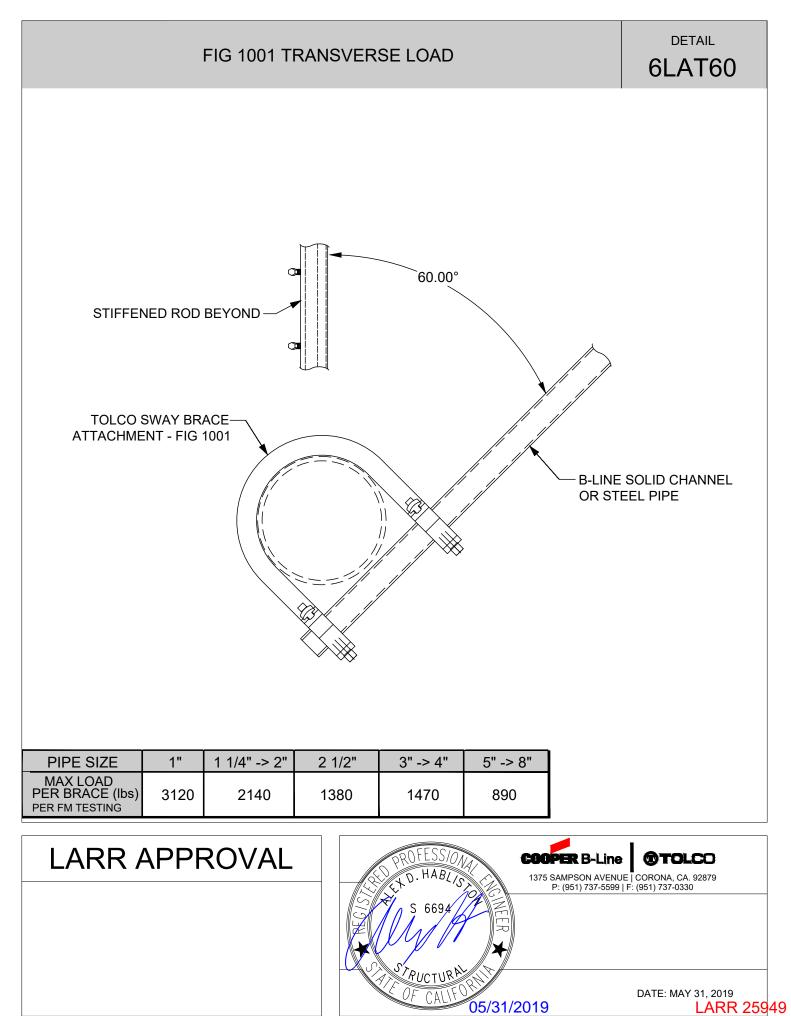
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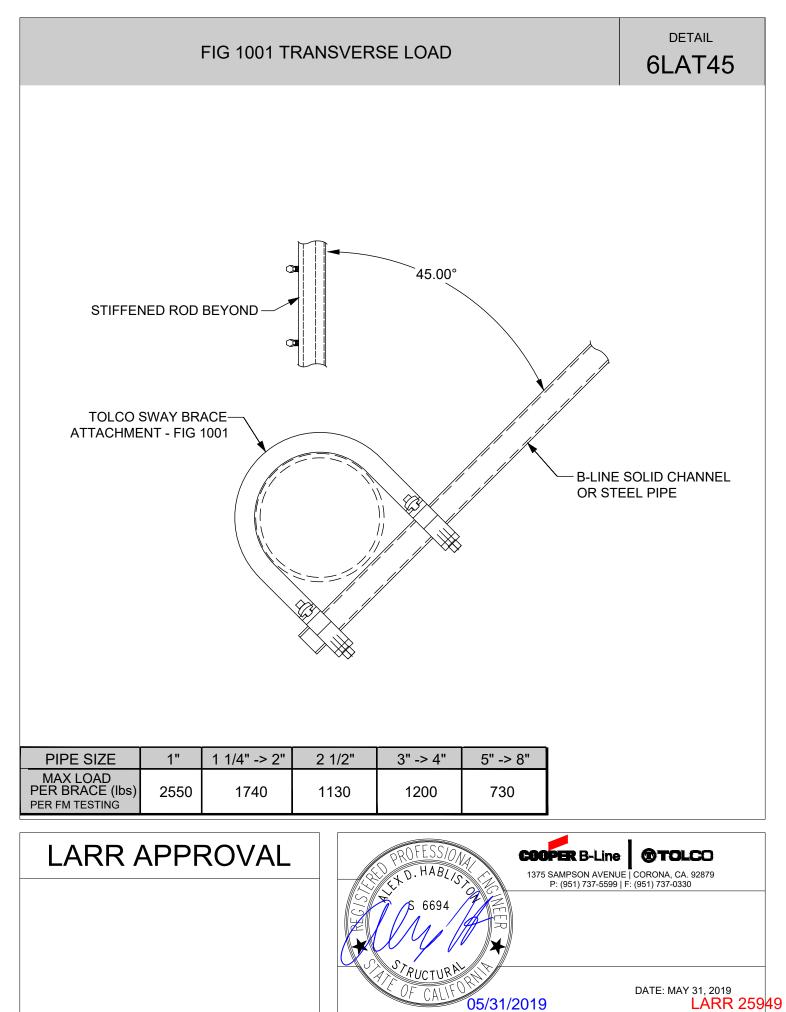
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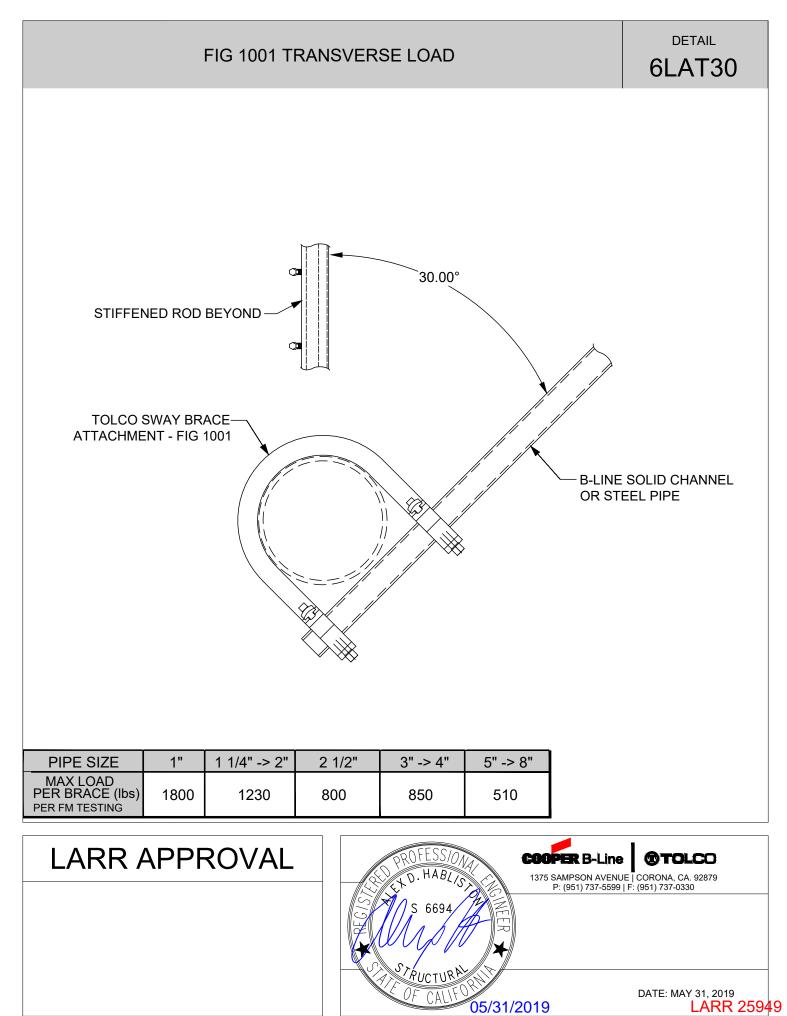
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HC02 STEEL BEAM FLANGE THICKNESS (3/4" MAX) ALTERNATE TOLCO FIG 65XT-ORIENTATION REVERSIBLE STEEL C-CLAMP STEEL BEAM TOLCO FIG. 99 OR FLANGE THICKNESS **B-LINE ATR ALL** (3/4" MAX - FIG 68S) THREAD ROD. (1 1/4" MAX - FIG 68W) **TOLCO FIG 68S / 68W-**WIDE JAW C-CLAMP, TOLCO FIG 68S / 68W SET SCREW UP WIDE JAW C-CLAMP, SET SCREW DOWN TOLCO FIG. 99 OR **B-LINE ATR ALL** THREAD ROD.

DETAIL

MAX LOAD PER CLAMP PER FM CRITERIA (5.0xDL + 250 LB) LOADS SHOWN THUS '[XXX]' ARE ALLOWABLE DEAD LOAD ON CLAMP

PIPE SIZE	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"
FIGURE 65XT	340	410	430	520	635	940	1060	1255	1475	N/A	N/A	N/A
	[18]	[32]	[36]	[54]	[77]	[138]	[162]	[201]	[245]	N/A	N/A	N/A
FIGURE 68S	340	410	430	520	635	940	1060	1255	1475	N/A	N/A	N/A
(SET SCREW UP/DOWN)	[18]	[32]	[36]	[54]	[77]	[138]	[162]	[201]	[245]	N/A	N/A	N/A
FIGURE 68S	340	410	430	520	635	940	1060	1255	1475	2000	2615	3800
(SET SCREW DOWN)	[18]	[32]	[36]	[54]	[77]	[138]	[162]	[201]	[245]	[350]	[473]	[710]
FIGURE 68W	340	410	430	520	635	940	1060	1255	1475	N/A	N/A	N/A
	[18]	[32]	[36]	[54]	[77]	[138]	[162]	[201]	[245]	N/A	N/A	N/A

