

(PART NUMBER 2ND & 3RD XX'S) NUMBER OF ELEMENTS		
PART NUMBER	DIM "A"	# ELEMENTS
C1CXS07XRXX	245 [9.65]	7
C1CXS08XRXX	280 [11.02]	8
C1CXS09XRXX	315 [12.40]	9
C1CXS10XRXX	350 [13.78]	10
C1CXS11XRXX	385 [15.16]	11
C1CXS12XRXX	420 [16.54]	12
C1CXS13XRXX	455 [17.91]	13
C1CXS14XRXX	490 [19.29]	14
C1CXS15XRXX	525 [20.67]	15
C1CXS16XRXX	560 [22.05]	16
C1CXS17XRXX	595 [23.43]	17
C1CXS18XRXX	630 [24.80]	18
C1CXS19XRXX	665 [26.18]	19
C1CXS20XRXX	700 [27.56]	20
C1CXS21XRXX	735 [28.94]	21
C1CXS22XRXX	770 [30.32]	22
C1CXS23XRXX	805 [31.69]	23
C1CXS24XRXX	840 [33.07]	24
C1CXS25XRXX	875 [34.45]	25
C1CXS26XRXX	910 [35.83]	26
C1CXS27XRXX	945 [37.21]	27
C1CXS28XRXX	980 [38.58]	28
C1CXS29XRXX	1015 [39.96]	29
C1CXS30XRXX	1050 [41.34]	30
C1CXS31XRXX	1085 [42.72]	31
C1CXS32XRXX	1120 [44.10]	32
C1CXS33XRXX	1155 [45.47]	33
C1CXS34XRXX	1190 [46.85]	34
C1CXS35XRXX	1225 [48.23]	35
C1CXS36XRXX	1260 [49.61]	36
C1CXS37XRXX	1295 [50.99]	37
C1CXS38XRXX	1330 [52.36]	38
C1CXS39XRXX	1365 [53.74]	39
C1CXS40XRXX	1400 [55.12]	40

(PART NUMBER 4TH X) BLADE CARBIDE TYPE APPLICATION	
C1CXSXXARXX	STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE
C1CXSXXBRXX	SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES
C1CXSXXCRXX	EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES

(PART NUMBER LAST TWO XX'S) TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL		
PART NUMBER	SINGLE/DUAL TENSIONER/TENSIONER SIZE/INSTALLATION KIT MATERIAL	P/N INSTALLATION KIT
C1CSSXXRXN1T	SINGLE 2.8KN DUAL COIL TENSIONER WITH FIXED POINT MNT BRKT STL	C1CT1ST
C1CSSXXRXN1S	SINGLE 2.8KN DUAL COIL TENSIONER WITH FIXED POINT MNT BRKT SS	C1CT1SS
C1CBSXXRXN	NO TENSIONER/BLADE ONLY FOR SINGLE TENSIONER	

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	MARTIN CLEANSRAPE CLEANER ASSEMBLY	SEE CHARTS

(PART NUMBER 5TH X) SWAGE SLEEVES/THIMBLES MATERIAL	
PART NUMBER	SWAGE SLEEVES/THIMBLES MATERIAL
C1CXSXXRANXX	ALUMINUM SWAGE SLEEVES/GALV THIMBLES
C1CXSXXRCNXX	COPPER SWAGE SLEEVES/SS THIMBLES

**INSTALLATION NOTES:**

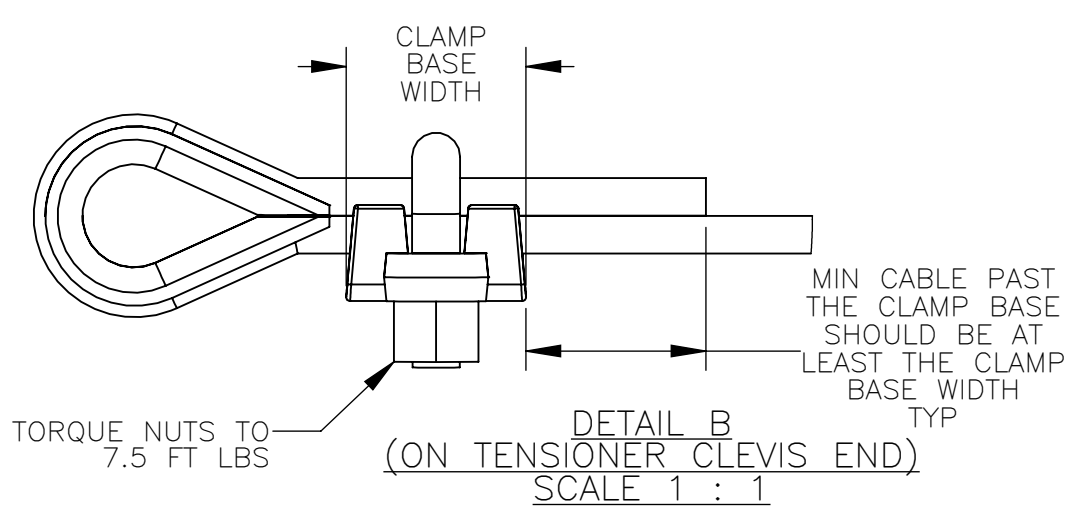
- 1) BLADE CARBIDE SCRAPPERS ARE MOLDED INTO THE RUBBER BODY AT AN ANGLE CREATING A SERRATED CLEANING EDGE. CLEANER MUST BE MOUNTED AT AN ANGLE AS SHOWN. CLEANER MUST NOT LIE IN THE MATERIAL PATH.
- 2) THE IDEAL INSTALLATION ANGLE IS BETWEEN 17° AND 19°. ANGLES FROM 10° TO 22° ARE ACCEPTABLE BUT TENSIONER TENSION NEEDS TO BE ADJUSTED AS THE ANGLE CHANGES FROM THE IDEAL ANGLE.
- 3) BELT WIDTH MUST NOT EXCEED A RATIO OF 3:1 TO THE HEAD PULLEY DIAMETER. HEAD PULLEY RANGE IS 305 [12.00] MIN. TO 508 [20.00] MAX.
- 4) CHUTE WALLS MUST BE STRONG ENOUGH TO NOT FLEX WHEN THE CLEANER IS TENSIONED. ADDITIONAL CHUTE WALL STRUCTURE MAY BE REQUIRED TO PREVENT CHUTE WALL FROM FLEXING.
- 5) LOCATE AND INSTALL THE FIXED POINT MOUNT BRACKET ON THE INSIDE OF THE NEAR SIDE CHUTE WALL. MEASURE THE HEAD PULLEY RADIUS PLUS THE LAGGING, BELT THICKNESS, AND ADD THE 9.6 [.38]. THIS IS THE RADIUS ARC THAT THE FIXED POINT BRACKET WILL BE LOCATED ON. ALSO LOCATE THE FIXED POINT BRACKET LOWER MOUNTING HOLE ON THE HORIZONTAL CENTERLINE. MARK THE HOLE LOCATIONS FROM THE FIXED POINT BRACKET AND DRILL THE MOUNTING HOLES (IF NOT WELDING IN PLACE). BOLT THE FIXED POINT BRACKET TO THE INSIDE OF THE CHUTE WALL.

**INSTALLATION NOTES:**

- 6) ON THE FAR SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER CUTOUTS AND THE TENSIONER MOUNT BRACKET. SEE THE CUTOUT DETAIL. BOLT OR WELD THE TENSIONER MOUNT BRACKET TO THE CHUTE WALL. BOLT THE TENSIONER TO THE TENSIONER MOUNT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
- 7) MEASURE THE APPROXIMATE CABLE LENGTH AND ASSEMBLE THE CABLE THIMBLES AND CLAMPS TO THE TENSIONER END OF THE BLADE ASSEMBLY. INSTALL CLEANER TO THE FIXED POINT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME. HOLD THE CLEANER TO THE HEAD PULLEY AND ROUTE THE CABLES THROUGH THE CHUTE WALL AND HOOK ONTO THE TENSIONER. TIGHTEN THE TENSIONER ADJUSTMENT NUTS UNTIL THE CLEANER IS HELD FIRMLY AGAINST THE HEAD PULLEY. ADJUST THE FIXED POINT BRACKET AND TENSIONER BRACKET SO THE OUTER TWO ELEMENTS ON EACH SIDE OF THE CLEANER ARE APPROXIMATELY 5.3 [1.13] AWAY FROM THE BELT. TIGHTEN ALL BOLTS.
- 8) TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL.

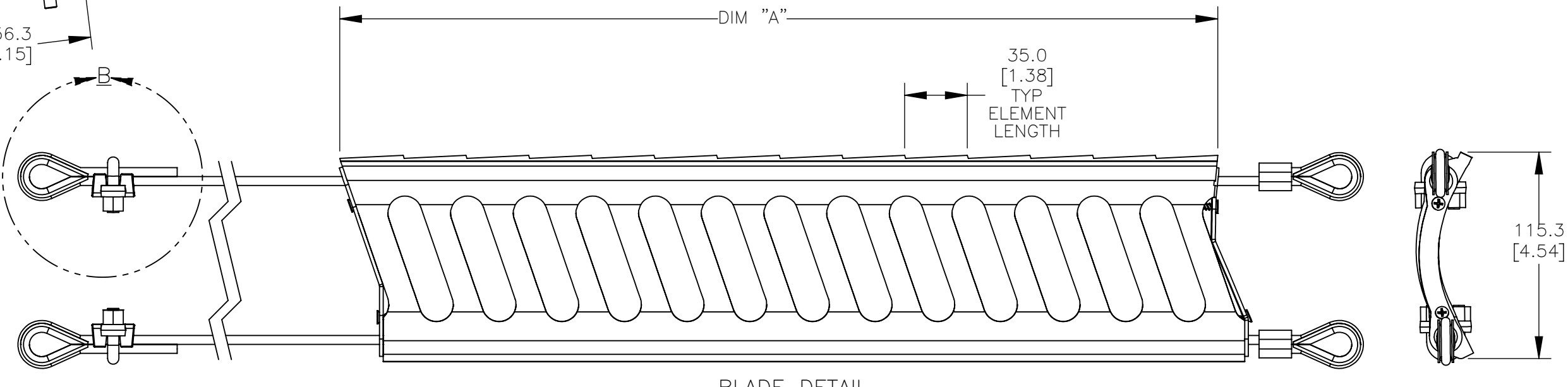
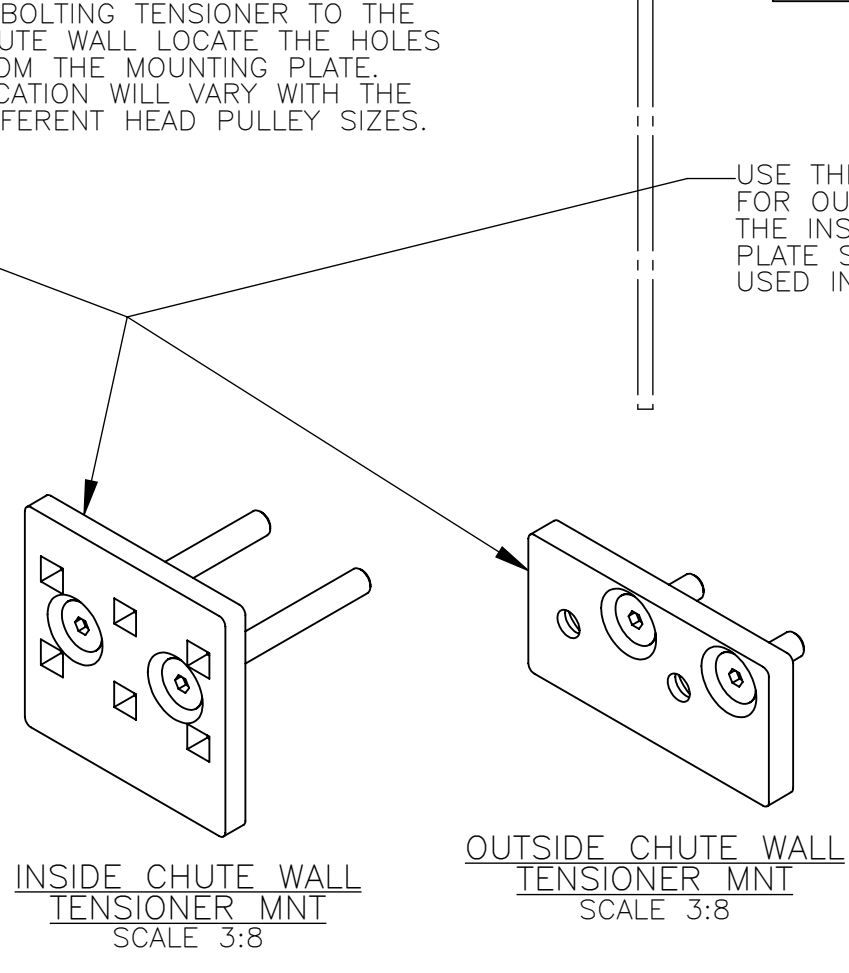
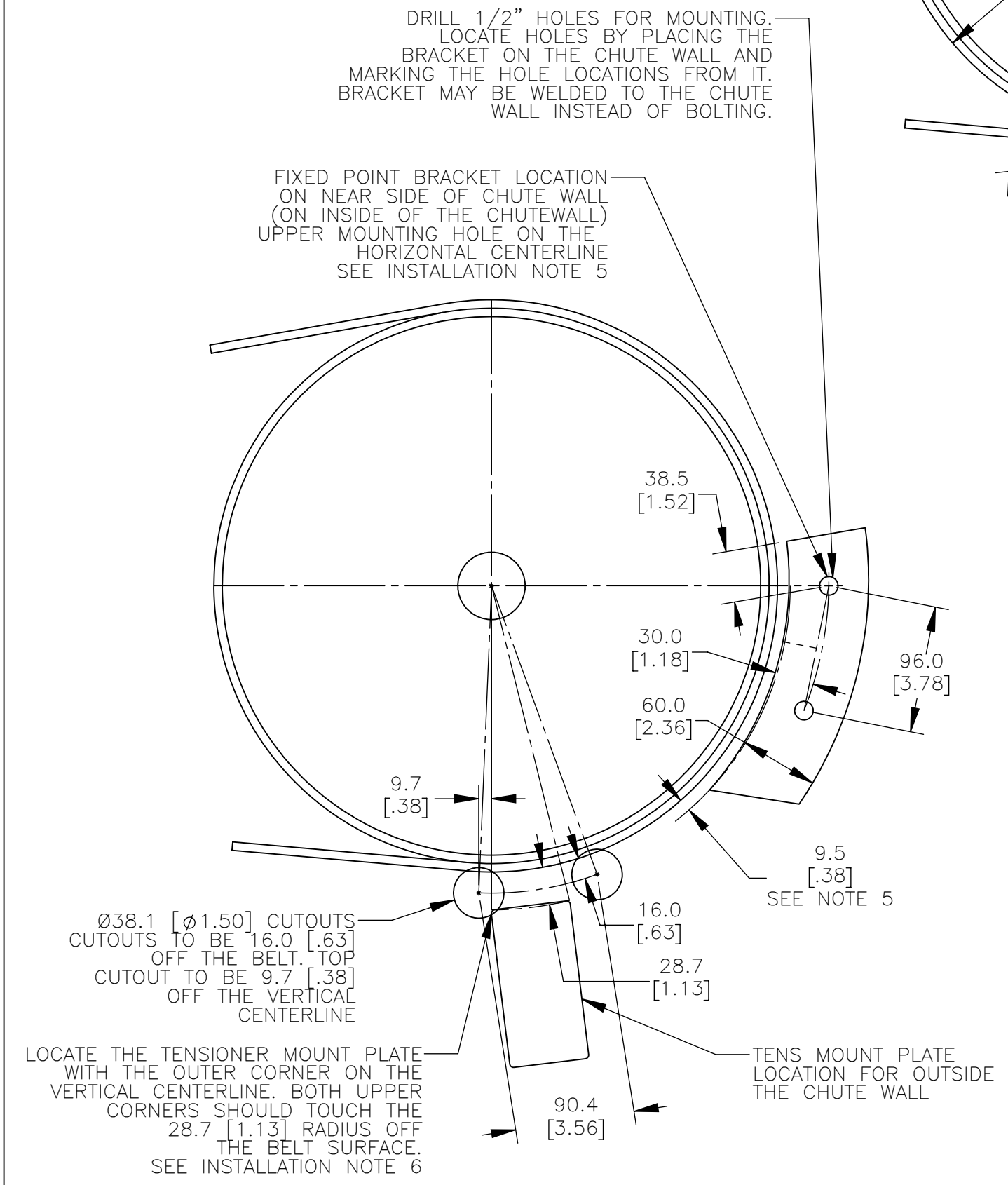
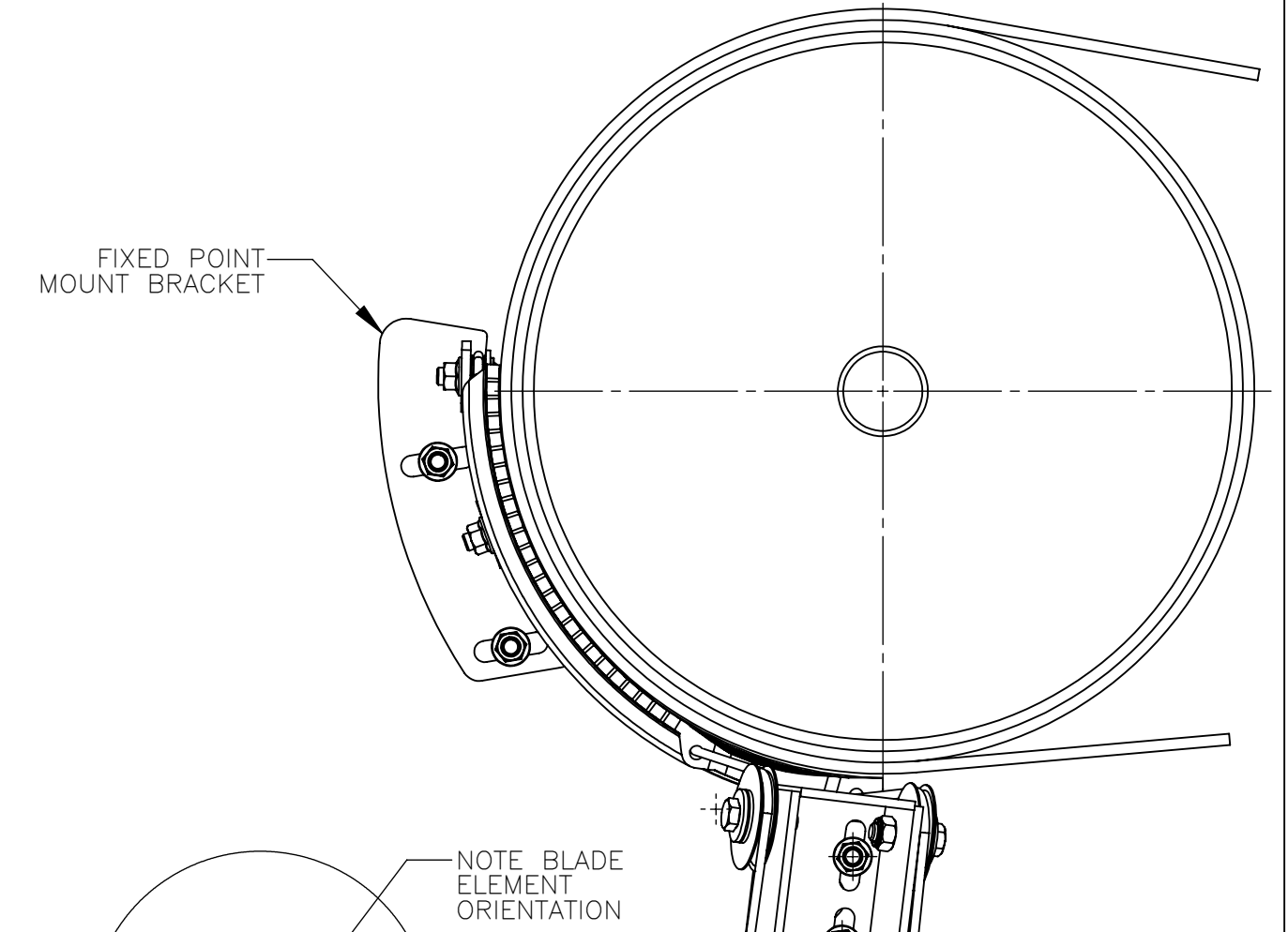
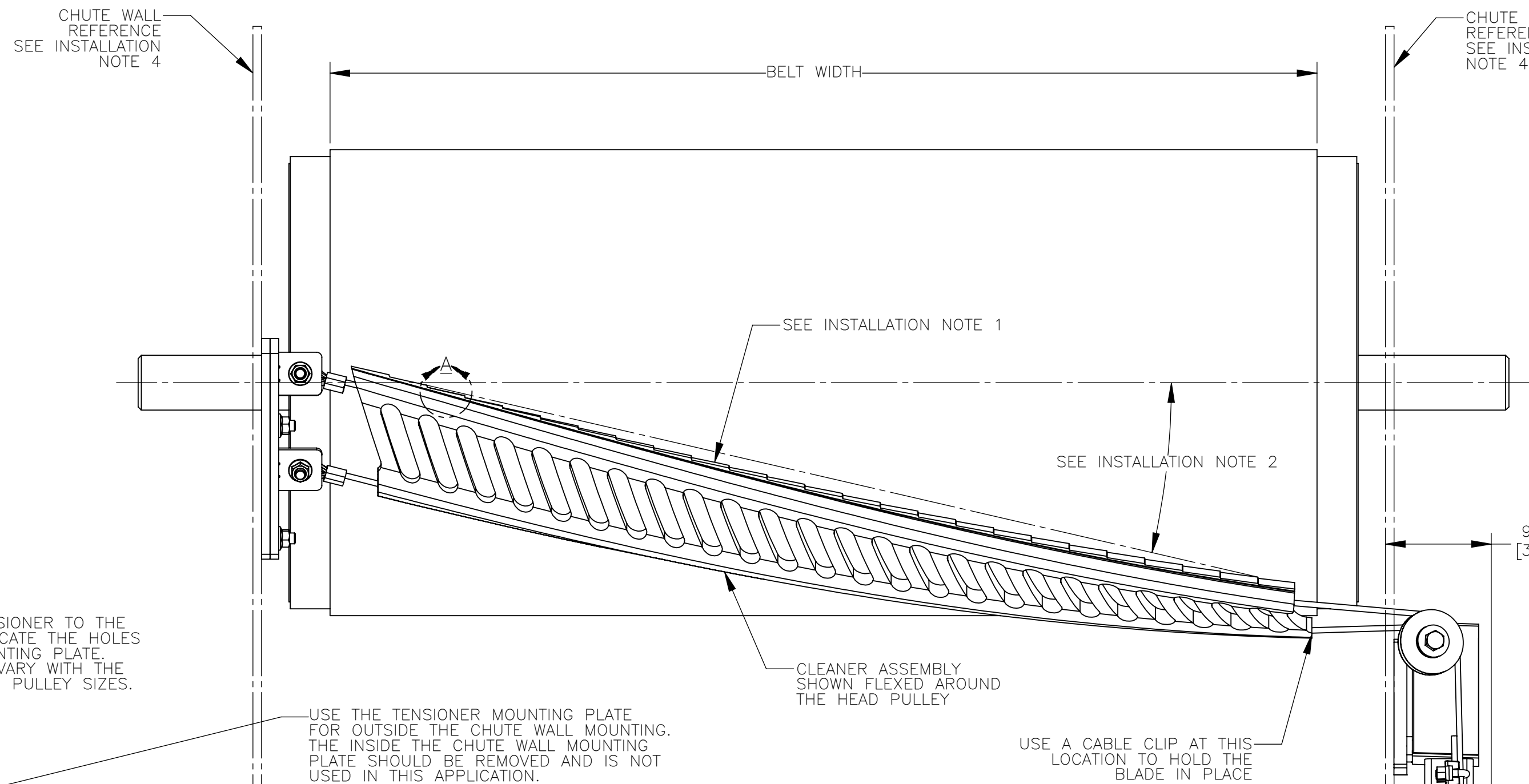
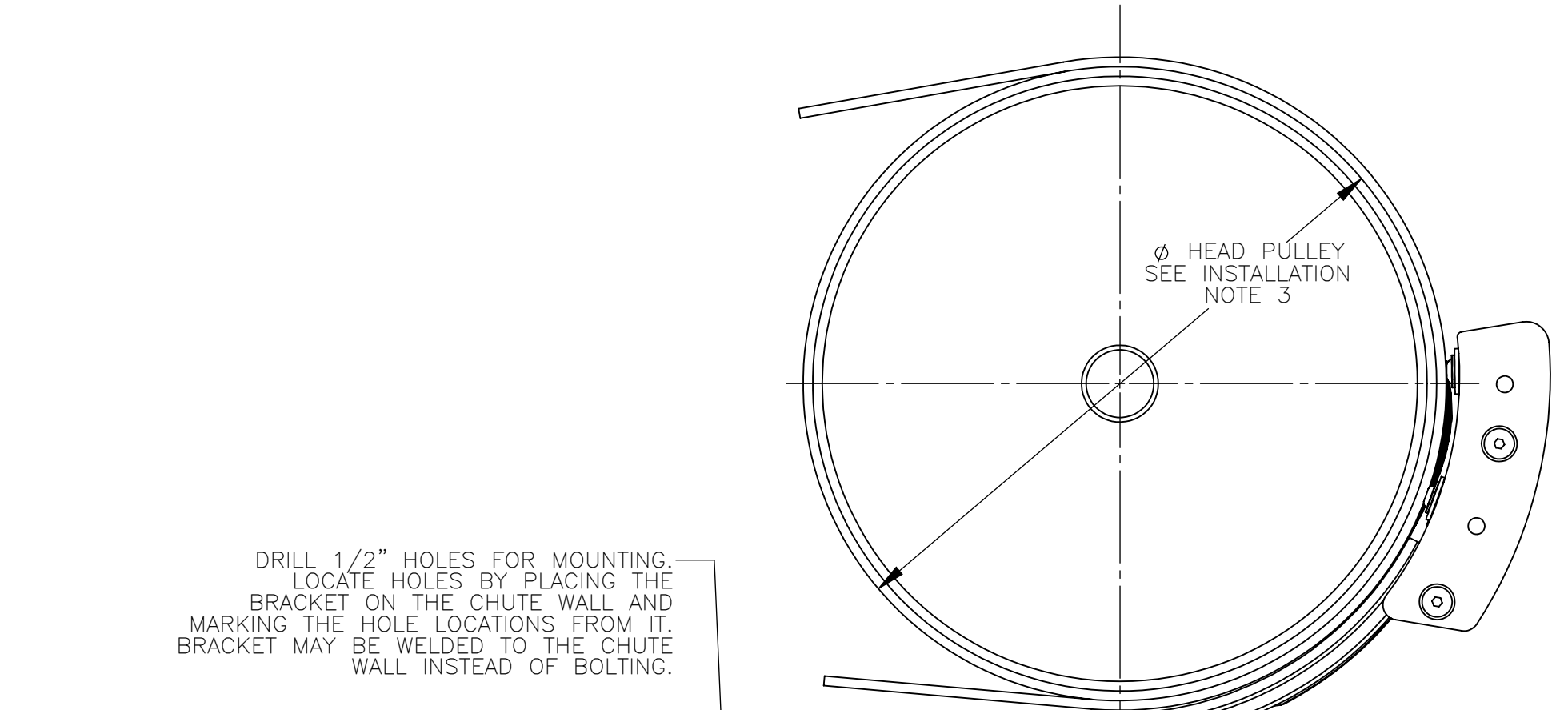
**NOTES:**

- 1) ALL DIMENSIONS ARE GIVEN IN MILLIMETERS [INCHES].
- 2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
- 3) IN THE "C1C" PART NUMBER:  
THE FIRST X INDICATES THE ASSEMBLY TYPE:  
B = BLADE ONLY ASSEMBLY (NO TENSIONER)  
S = SYSTEM ASSEMBLY WITH TENSIONER  
THE "S" INDICATES A "SMALL" CLEANSRAPE BLADE/SYSTEM ASSEMBLY  
THE NEXT XX INDICATES NUMBER OF ELEMENTS IN THE BLADE:  
07 = 7 ELEMENTS THRU 40 = 40 ELEMENTS  
THE NEXT X INDICATES BLADE CARBIDE TYPE:  
A = A CARBIDE GRADE (MUST USE WITH COPPER SWAGE SLEEVES)  
B = B CARBIDE GRADE  
C = C CARBIDE GRADE  
THE "R" INDICATES RUBBER BLADE BODY MATERIAL.  
THE NEXT X INDICATES THIMBLE AND SWAGE MATERIAL:  
A = ALUMINUM SWAGE SLEEVES & GALVANIZED THIMBLES  
C = COPPER SWAGE SLEEVES & STAINLESS STEEL THIMBLES (ALL C1CXSXXARXX BLADE ASSEMBLIES ARE ONLY AVAILABLE WITH COPPER SWAGE SLEEVES & STAINLESS STEEL THIMBLES)  
THE "N" INDICATES THE BLADE USES THE STANDARD 7X19 SS CABLE  
THE NEXT X INDICATES IF AN INSTALLATION KIT (TENSIONER) IS INCLUDED:  
BLANK = BLADE ONLY ASSEMBLY (NO TENSIONER)  
1 = STANDARD SMALL BLADE 2.8KN DUAL COIL SPRING TENSIONER  
THE LAST X INDICATES THE INSTALLATION KIT (TENSIONER) MATERIAL:  
BLANK = BLADE ONLY ASSEMBLY (NO TENSIONER)  
T = STANDARD PAINTED STEEL  
S = STAINLESS STEEL



CHUTE WALL REFERENCE SEE INSTALLATION NOTE 4

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MARTIN ENGINEERING-USA  
NEPONSET, IL USA

TITLE	CLEANSRAPE SMALL CLEANER ASM OUTSIDE THE CHUTE WALL TENS AT LOWER END	DRAWN	RND
DATE	10/10/18	CHECKED	
ENG.	742	DATE	10/15/18
APPROVED	PRB	DATE	10/15/18
SALES DRAWING		SCALE	1:4

NO.	DESCRIPTION	ECN	DATE	BY

SOLIDWORKS REVISION PR13395D S50128-SLT