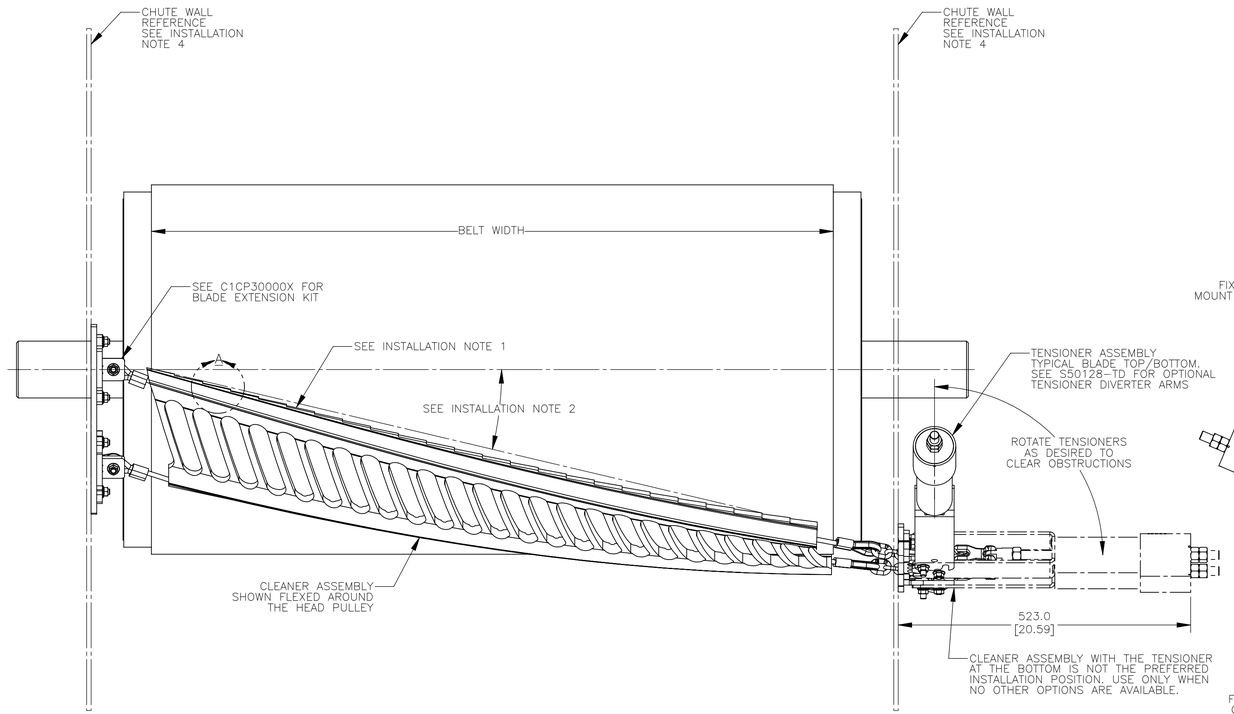
(PART NUMBER 2ND & 3RD XX'S) NUMBER OF ELEMENTS		
PART NUMBER	DIM "A"	# ELEMENTS
C1CXM07XRXNS4X	350 [13.78]	7
C1CXM08XRXNS4X	400 [15.75]	8
C1CXM09XRXNS4X	450 [17.72]	9
C1CXM10XRXNS4X	500 [19.69]	10
C1CXM11XRXNS4X	550 [21.65]	11
C1CXM12XRXNS4X	600 [23.62]	12
C1CXM13XRXNS4X	650 [25.59]	13
C1CXM14XRXNS4X	700 [27.56]	14
C1CXM15XRXNS4X	750 [29.53]	15
C1CXM16XRXNS4X	800 [31.50]	16
C1CXM17XRXNS4X	850 [33.46]	17
C1CXM18XRXNS4X	900 [35.43]	18
C1CXM19XRXNS4X	950 [37.40]	19
C1CXM20XRXNS4X	1000 [39.37]	20
C1CXM21XRXNS4X	1050 [41.34]	21
C1CXM22XRXNS4X	1100 [43.31]	22
C1CXM23XRXNS4X	1150 [45.28]	23
C1CXM24XRXNS4X	1200 [47.24]	24
C1CXM25XRXNS4X	1250 [49.21]	25
C1CXM26XRXNS4X	1300 [51.18]	26
C1CXM27XRXNS4X	1350 [53.15]	27
C1CXM28XRXNS4X	1400 [55.12]	28
C1CXM29XRXNS4X	1450 [57.09]	29
C1CXM30XRXNS4X	1500 [59.06]	30

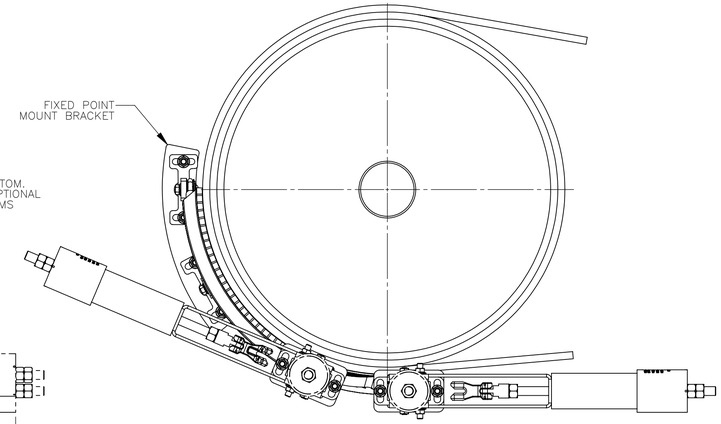
⚠ (PART NUMBER 4TH X) BLADE CARBIDE TYPE	
PART NUMBER	APPLICATION
C1CXMXXARXNS4X	STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE
C1CXMXXBRXNS4X	SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES
C1CXMXXCRXNS4X	EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES

(PART NUMBER 5TH X) SWAGE SLEEVES/THIMBLES MATERIAL	
PART NUMBER	SWAGE SLEEVES/THIMBLES MATERIAL
C1CXMXXXRANS4X	ALUMINUM SWAGE SLEEVES/GALV THIMBLES
C1CXMXXXRCNS4X	COPPER SWAGE SLEEVES/SS THIMBLES

(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
C1CSMXXXRXNS4T	SINGLE 4.2KN TENSIONER FOR 6MM CHAIN WITH FIXED POINT MNT BRKT STL	C1CT4MT
C1CSMXXXRXNS4S	SINGLE 4.2KN TENSIONER FOR 6MM CHAIN WITH FIXED POINT MNT BRKT SS	C1CT4MS
C1CBMXXXRXNS__	NO TENSIONER/BLADE ONLY FOR SINGLE TENSIONER WITH 6MM CHAIN	------

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

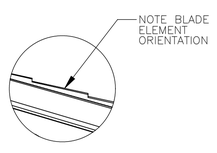




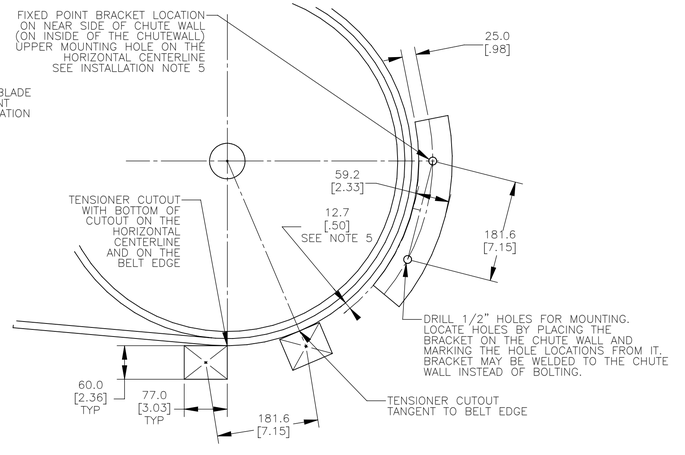
NOTES:
1) ALL DIMENSIONS ARE GIVEN IN MILLIMETERS [INCHES].
2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
3) IN THE "C1C" PART NUMBER:
THE FIRST X INDICATES THE ASSEMBLY TYPE:
B = BLADE ONLY ASSEMBLY (NO TENSIONER)
S = SYSTEM ASSEMBY WITH TENSIONER
THE "M" INDICATES A "MEDIUM" CLEANSCRAPE BLADE/SYSTEM ASSEMBLY
THE NEXT XX INDICATES NUMBER OF ELEMENTS IN THE BLADE:
07 = 7 ELEMENTS THRU 30 = 30 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 C1CXLXXARCXXXXX BLADE ASSEMBLIES ARE ONLY AVAILABLE WITH COPPER SWAGE SLEEVES & STAINLESS STEEL THIMBLES)
THE "N" INDICATES THE BLADE USES THE STANDARD 7X19 SS CABLE
THE "S" INDICATES THE BLADE/CLEANER IS CONFIGURED FOR A SINGLE (CHAINS ON ONE SIDE) TENSIONER:
THE NEXT X INDICATES IF AN INSTALLATION KIT (TENSIONER) IS INCLUDED:
BLANK = BLADE ONLY ASSEMBLY (NO TENSIONER)
4 = LARGE BLADE 4.2kN 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

INSTALLATION NOTES:
1) BLADE CARBIDE SCRAPERS 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 915 [36.00] MIN. TO 1270 [50.00] 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 12.7 [.50]. THIS IS THE RADIUS ARC THAT THE FIXED POINT BRACKET WILL BE LOCATED ON. ALSO LOCATE THE FIXED POINT BRACKET UPPER 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.

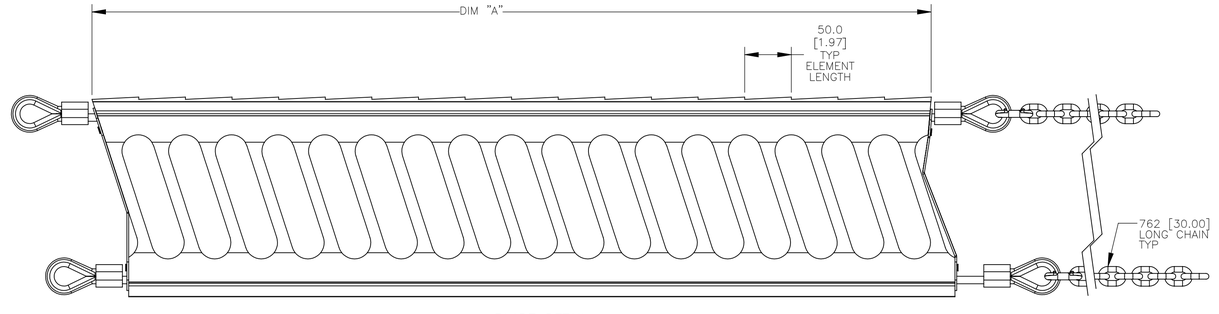
INSTALLATION NOTES:
6) ON THE FAR SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER CUTOUTS. SEE THE CUTOUT DETAIL. WELD THE TENSIONER MOUNT BRACKETS TO THE CHUTE WALL POSITIONED OVER THE CUTOUTS. BOLT THE TENSIONERS TO THE TENSIONER MOUNT BRACKETS. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
7) ASSEMBLE THE CHAIN AND THE CHAIN LINKS TO THE TENSIONER END OF THE BLADE. INSTALL THE CLEANER TO THE FIXED POINT BRACKET. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME. HOLD THE CLEANER TO THE HEAD PULLEY AND ROUTE THE CHAINS THROUGH THE CHUTE WALL AND HOOK ONTO THE TENSIONERS. MAKE SURE THE TENSIONER ADJUSTMENT NUTS ARE AT THE END OF THE TENSIONER THREADED ROD. TIGHTEN THE TENSIONER ADJUSTMENT NUT UNTIL THE CLEANER IS HELD FIRMLY AGAINST THE HEAD PULLEY. ADJUST THE FIXED POINT BRACKET AND TENSIONER BRACKETS SO THE OUTER TWO ELEMENTS ON EACH SIDE OF THE CLEANER ARE APPROXIMATELY 3.3 [.13] AWAY FROM THE BELT. TIGHTEN ALL BOLTS.
8) TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL.



DETAIL A
SCALE 3 : 8



TENSIONER CHUTE CUTOUTS AND FIXED POINT BRACKET LOCATION
SCALE 3:16



BLADE DETAIL
SCALE 5:16

MARTIN ENGINEERING—USA
NEPONSET, IL USA

TITLE	CLEANSCRAPE MEDIUM CLEANER ASM'S WITH SINGLE 4.2kN TENS AT LOWER END OF BLD	DRAWN RND 10/09/18
		CHECKED ENG. 7.47 10/15/18
SALES DRAWING		APPROVED JKB 10/15/18
PR13395D	S50128-MLT	SCALE 3:16

NO.	DESCRIPTION	ECN	DATE	BY
A	CHCD THE BLD CARBIDE TYPE FROM 1 & 5 TO A. FROM 2 & 3 TO B, & FROM 4 TO C IN THE CHART & NOTES	15534	12/10/19	RND

SOLIDWORKS REVISION