PART NUMBER (2ND, 3RD, AND 4TH X)	BELT WIDTH [IN]
C1CMXRS60XXX	60
C1CMXRS66XXX	66
C1CMXRS72XXX	72

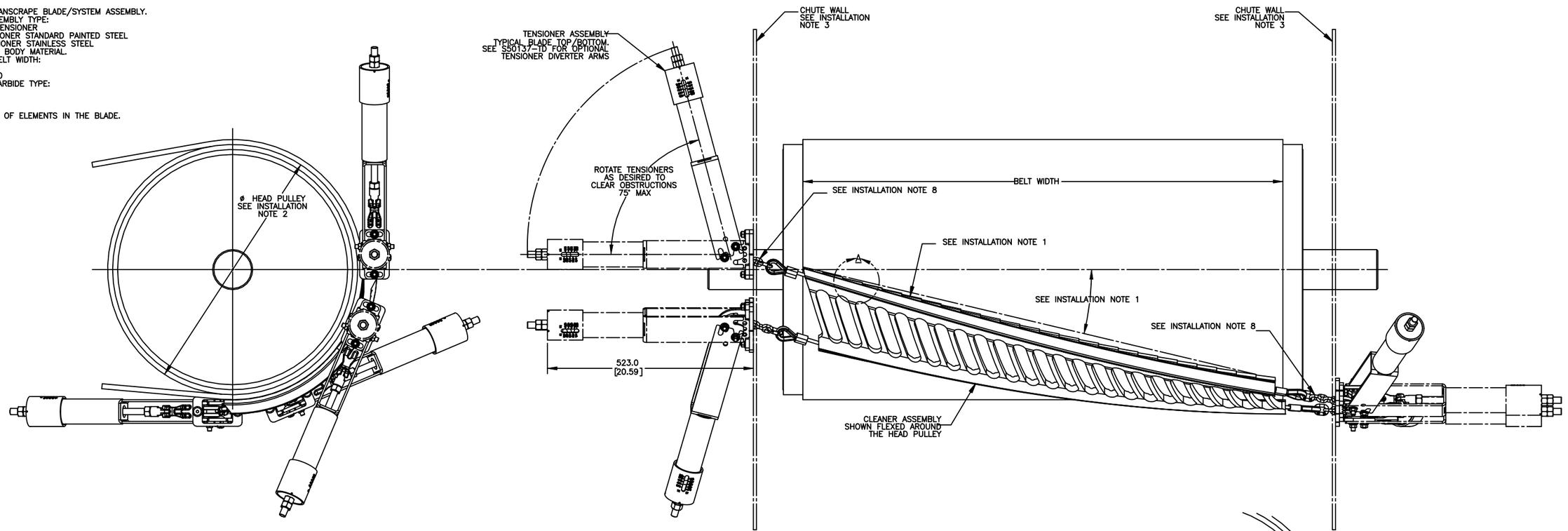
PART NO. (2ND, 3RD, AND 4TH X)	BELT WIDTH [MM]
C1CMXR150XXX	1500
C1CMXR160XXX	1600
C1CMXR165XXX	1650
C1CMXR180XXX	1800

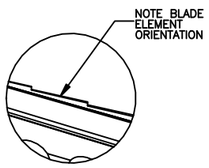
(PART NUMBER FIRST X) TENSIONER/INSTALLATION KIT REQUIREMENTS AND MATERIAL		
PART NUMBER	TENSIONER/TENSIONER SIZE/INSTALLATION KIT MATERIAL	P/N INSTALLATION KIT
C1CMBRXXXXXX	NO TENSIONER/BLADE ONLY FOR DUAL TENSIONER	------
C1CMTRXXXXXX	DUAL 4.2KN TENSIONER STL	C1CT4DT
C1CMSRXXXXXX	DUAL 4.2KN TENSIONER SS	C1CT4DS

(PART NUMBER 5TH X) BLADE CARBIDE TYPE	
PART NUMBER	APPLICATION
C1CMXRXXX AXX	STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE
C1CMXRXXX BXX	SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES
C1CMXRXXX CXX	EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES

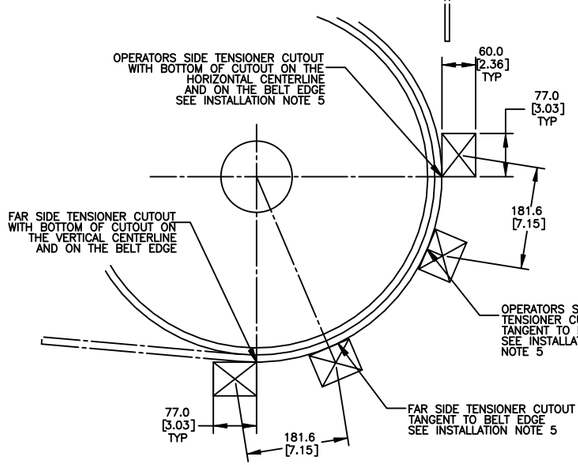
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	MARTIN CLEANSCRAPE CLEANER ASSEMBLY	SEE CHARTS

NOTES:
1) ALL DIMENSIONS ARE GIVEN IN MILLIMETERS [INCHES].
2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
3) IN THE C1C PART NUMBER:
THE M INDICATES A MEDIUM CLEANSCRAPE BLADE/SYSTEM ASSEMBLY.
THE FIRST X INDICATES THE ASSEMBLY TYPE:
B = BLADE ASSEMBLY, NO TENSIONER
T = BLADE ASSEMBLY, TENSIONER STANDARD PAINTED STEEL
S = BLADE ASSEMBLY, TENSIONER STAINLESS STEEL
THE R INDICATES RUBBER BLADE BODY MATERIAL.
THE NEXT XXX INDICATES THE BELT WIDTH:
SXX = INCH BELT WIDTH
XXX = MM BELT WIDTH / 10
THE NEXT X INDICATES BLADE CARBIDE TYPE:
A = A CARBIDE GRADE
B = B CARBIDE GRADE
C = C CARBIDE GRADE
THE LAST XX INDICATES NUMBER OF ELEMENTS IN THE BLADE.

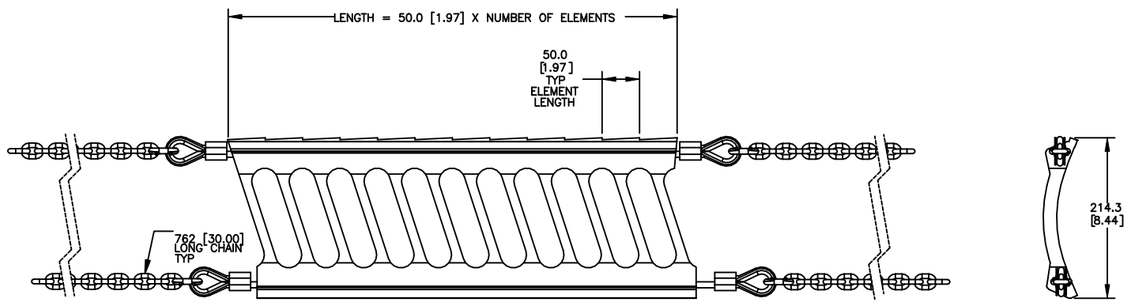




DETAIL A
SCALE 3 : 8



TENSIONER CHUTE CUTOUT LOCATIONS
SCALE 3:16



BLADE DETAIL
SCALE 1:4

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. THE IDEAL INSTALLATION ANGLE IS BETWEEN 17° AND 19°. ANGLES FROM 15° TO 21° ARE ACCEPTABLE BUT TENSIONER TENSION NEEDS TO BE ADJUSTED AS THE ANGLE CHANGES FROM THE IDEAL ANGLE. CLEANER MUST NOT LIE IN THE MATERIAL PATH.
2) BELT WIDTH MUST NOT EXCEED A RATIO OF 3:1 TO THE HEAD PULLEY DIAMETER. HEAD PULLEY RANGE IS 559 [22.00] MIN. TO 864 [34.00] MAX.
3) 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.
4) ON THE FAR SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER CUTOUTS. LOCATE THE TOP TENSIONER CUTOUT WITH THE BOTTOM OF THE CUTOUT ON THE VERTICAL CENTERLINE (AT THE 6:00 O'CLOCK POSITION), AND THE INSIDE OF THE CUTOUT ON THE BELT EDGE. THIS POINT MAY BE ROTATED UP TO RAISE THE CLEANER AS LONG AS THE TOP OF THE CLEANER IS OUT OF THE MATERIAL FLOW. THIS POINT MAY BE ADJUSTED (ROTATED) TO ENSURE IT DOES NOT GO PAST THE BELT EXIT POINT ON THE HEAD PULLEY. SEE THE CUTOUT DETAIL.
5) ON THE OPERATORS SIDE OF THE CHUTE WALL MARK THE LOCATION OF THE TENSIONER CUTOUTS. LOCATE THE TOP TENSIONER CUTOUT WITH THE BOTTOM OF THE CUTOUT ON THE HORIZONTAL CENTERLINE (AT THE 3:00 O'CLOCK POSITION), AND THE INSIDE OF THE CUTOUT ON THE BELT EDGE. ADJUST THE TENSIONER CUTOUTS AS REQUIRED TO KEEP THE CLEANER BELOW THE PRODUCT DISCHARGE POINT AND AT THE SPECIFIED INSTALLATION ANGLE. THE TOP OF THE CLEANER SHOULD NOT BE ABOVE THE 2:00 O'CLOCK POSITION. SEE THE CUTOUT DETAIL. WELD THE TENSIONER MOUNT BRACKETS TO THE OUTSIDE OF THE CHUTE WALLS POSITIONED OVER THE CUTOUTS. BOLT THE TENSIONERS TO THE TENSIONER MOUNT BRACKETS. LEAVE THE ADJUSTMENT BOLTS LOOSE AT THIS TIME.
6) ASSEMBLE THE CHAIN AND THE CHAIN LINKS TO THE ENDS OF THE BLADE. ATTACH THE CLEANER TO THE LOWER TENSIONERS. 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 OPERATORS SIDE 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 TENSIONER BRACKETS SO THE OUTER TWO ELEMENTS ON EACH SIDE OF THE CLEANER ARE APPROXIMATELY 3.3 [.13] AWAY FROM THE BELT. INCREASE THE RELIEF AS NECESSARY TO ENSURE MECHANICAL SPLICES WILL PASS. TIGHTEN ALL BOLTS.
7) TENSION THE CLEANER PER THE RECOMMENDED TENSION IN THE MANUAL.
8) THE LENGTH OF THE CHAIN OR CABLE MUST NOT EXCEED 125 [5.00] ON EITHER SIDE OF THE CLEANER. EXCESS CHAIN OR CABLE COULD RESULT IN VIBRATION THAT COULD DAMAGE THE BELT OR THE CLEANER.

MARTIN ENGINEERING-USA
NEPONSET, IL USA

NO.	DESCRIPTION	ECN	DATE	BY
SOLIDWORKS	REVISION			.

TITLE: CLEANSCRAPE MEDIUM CLEANER ASM'S WITH 4.2kN TENSIONERS

SALES DRAWING

PR13941

S50137-MD

DRAWN	RND
DATE	03/11/20
CHECKED	
ENG.	[illegible]
DATE	03/17/20
APPROVED	[illegible]
DATE	03/17/20
SCALE	3:16