

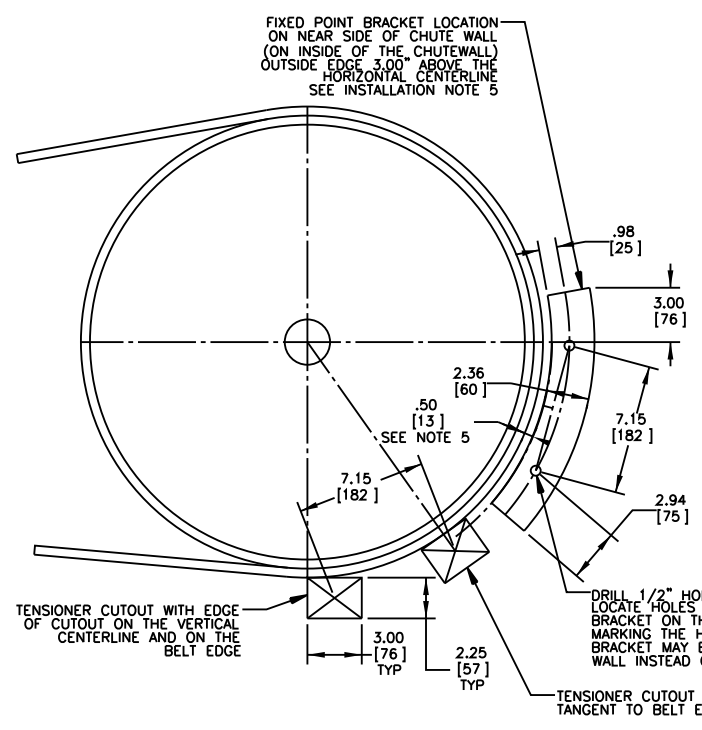
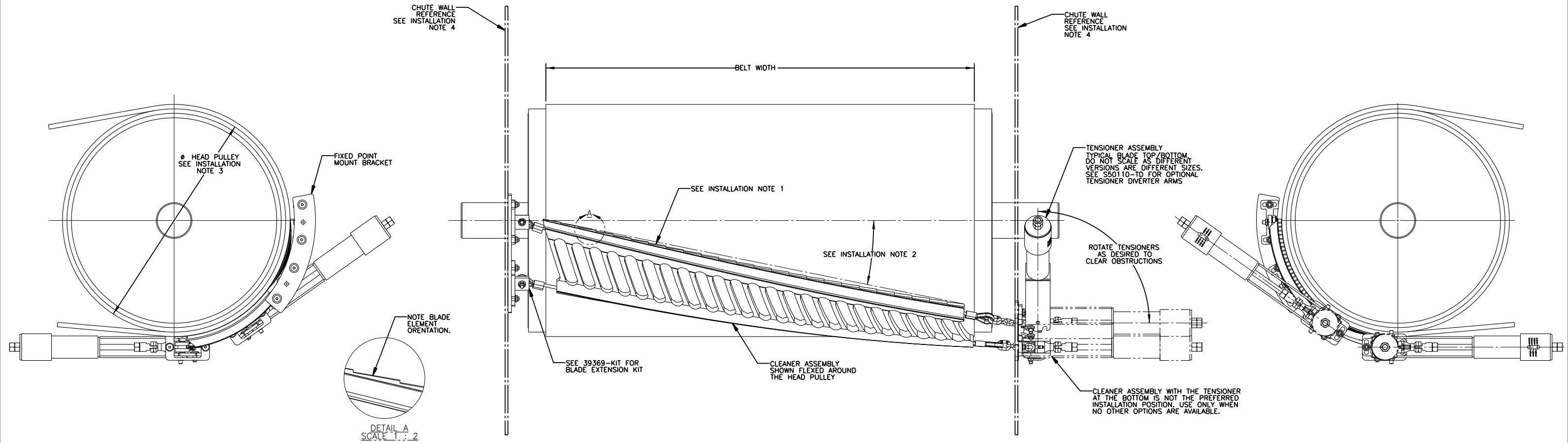
| S50110-MLT | | |
|--|---------|------------|
| (PART NUMBER FIRST FOUR XXXX'S) BELT WIDTH / NUMBER OF ELEMENTS | | |
| PART NO. | DIM "A" | # ELEMENTS |
| CSP-M-1809XX-XXXX | 17.63 | 9 |
| CSP-M-2412XX-XXXX | 23.53 | 12 |
| CSP-M-3015XX-XXXX | 29.44 | 15 |
| CSP-M-3618XX-XXXX | 35.34 | 18 |
| CSP-M-4221XX-XXXX | 41.25 | 21 |
| CSP-M-4824XX-XXXX | 47.15 | 24 |
| CSP-M-5427XX-XXXX | 53.06 | 27 |
| CSP-M-6030XX-XXXX | 58.96 | 30 |
| CSP-M-6633XX-XXXX | 64.87 | 33 |
| CSP-M-7236XX-XXXX | 70.78 | 36 |

| (PART NUMBER 5TH X) BLADE TYPE APPLICATION | |
|--|--|
| CSP-M-XXXX1X-XXXX | STANDARD VERSION, SUITABLE FOR LESS ABRASIVE MATERIALS AND LOW BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES |
| CSP-M-XXXX2X-XXXX | MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES |
| CSP-M-XXXX3X-XXXX | SEVERE VERSION, SUITABLE FOR HIGHLY ABRASIVE MATERIALS AND HIGH BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES |
| CSP-M-XXXX4X-XXXX | EXTREME VERSION, SUITABLE FOR EXTREMELY ABRASIVE MATERIALS AND HIGHEST BELT SPEEDS, NOT ALLOWED FOR MECHANICAL SPLICES |
| CSP-M-XXXX5X-XXXX | STANDARD/MODERATE VERSION, SUITABLE FOR ABRASIVE MATERIALS AND LOW/MEDIUM BELT SPEEDS, ALLOWED FOR MECHANICAL SPLICES, HAS CHEMICAL RESISTANCE |

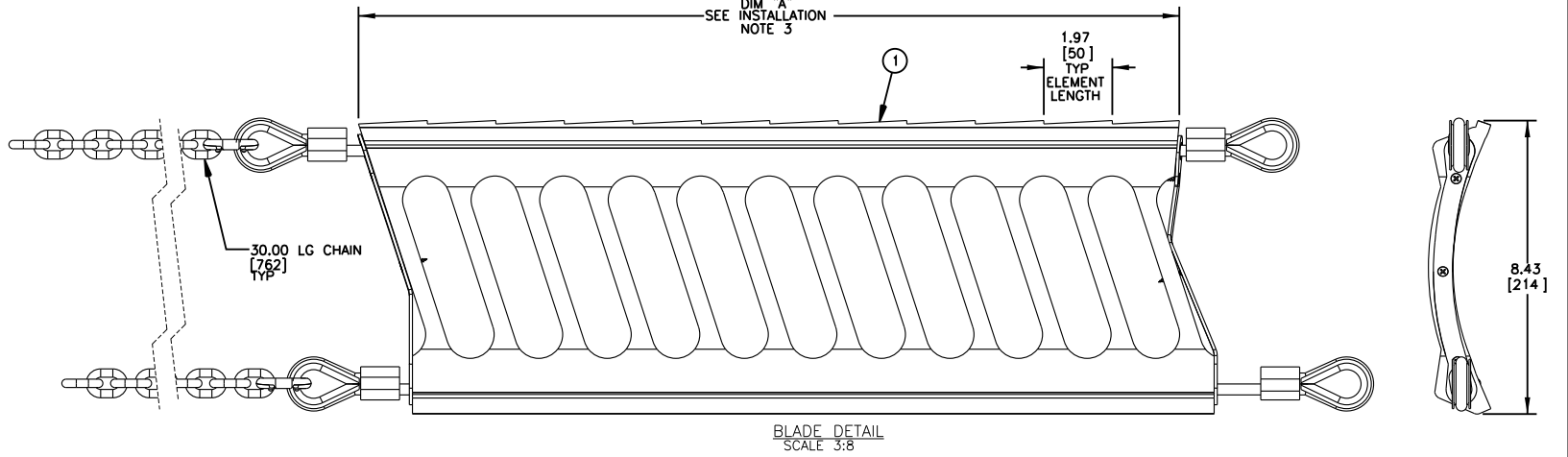
| (PART NUMBER 6TH X) TYPE OF SWAGE SLEEVES | |
|---|------------------------|
| CSP-M-XXXXX-XXXX | ALUMINUM SWAGE SLEEVES |
| CSP-M-XXXXXC-XXXX | COPPER SWAGE SLEEVES |

| (PART NUMBER LAST FOUR XXXX'S) TENSIONER / INSTALLATION KIT | |
|---|--|
| CSP-M-XXXXXX-T2B | 2.8 KN STEEL TENSIONER AND FIXED POINT MOUNT BRACKET |
| CSP-M-XXXXXX-T2BC | 2.8 KN STAINLESS STEEL TENSIONER AND FIXED POINT MOUNT BRACKET |
| CSP-M-XXXXXX-T42 | 4.2 KN STEEL TENSIONER AND FIXED POINT MOUNT BRACKET |
| CSP-M-XXXXXX-T42C | 4.2 KN STAINLESS STEEL TENSIONER AND FIXED POINT MOUNT BRACKET |

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



- 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 14° AND 17°. ANGLES FROM 10° TO 22° ARE ACCEPTABLE.
 - 3) BELT WIDTH MUST NOT EXCEED A RATIO OF 3:1 TO THE HEAD PULLEY DIAMETER. HEAD PULLEY RANGE IS 22" MIN. TO 34" 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 .50". THIS IS THE RADIUS ARC THAT THE FIXED POINT BRACKET WILL BE LOCATED ON. ALSO LOCATE THE FIXED POINT BRACKET OUTSIDE EDGE 3.00" ABOVE 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.
 - 6) ON THE OPERATORS 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 TENSION 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 1/8" 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 INCHES [MM].
 - 2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
 - 3) IN THE BLADE ASSEMBLY PART NUMBER:
 - THE FIRST XX INDICATES BLADE WIDTH
 - THE NEXT XX INDICATES NUMBER OF ELEMENTS IN THE BLADE
 - THE NEXT X INDICATES BLADE CARBIDE TYPE.
 - THE NEXT X INDICATES IF COPPER SWAGE SLEEVES ARE REQUIRED.
 - BLANK = ALUMINUM SWAGE SLEEVES
 - C = COPPER SWAGE SLEEVES
 - THE NEXT XXX INDICATES IF INSTALLATION KIT IS INCLUDED.
 - T2B = 2.8 KN STEEL SPRING TENSIONER
 - T2BC = STAINLESS STEEL 2.8 KN SPRING TENSIONER
 - T42 = 4.2 KN STEEL SPRING TENSIONER
 - T42C = STAINLESS STEEL 4.2 KN SPRING TENSIONER

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MARTIN ENGINEERING-USA
NEPONSET, IL USA

TITLE: CLEANSRAPE MEDIUM CLEANER ASM WITH TENSIONERS AT LOWER END OF BLADE

DRAWN RND: DATE 07/22/15 CHECKED: ENG. R.A.P. DATE 07/24/15 APPROVED S.M. DATE 07/24/15

SALES DRAWING: MD0873 S50110-MLT SCALE 3:16

| NO. | DESCRIPTION | ECN | DATE | BY |
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| | REVISION | | | |

