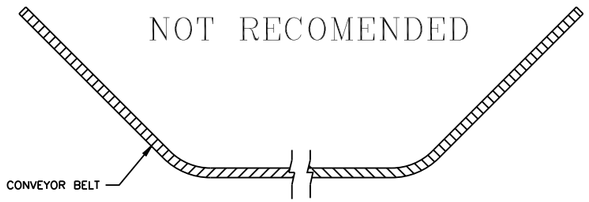
S50065-HDC

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	*	HD DOUBLE APRON SEAL™	100861
2	**	HEAVY DUTY ANGLE CLAMP WELDMENT	34339
3	***	STUD 5/8-11NC X 4	34398
4	***	NUT HEX FLANGE 5/8-11NC	34399
5	***	WASHER FLAT 5/8	16814

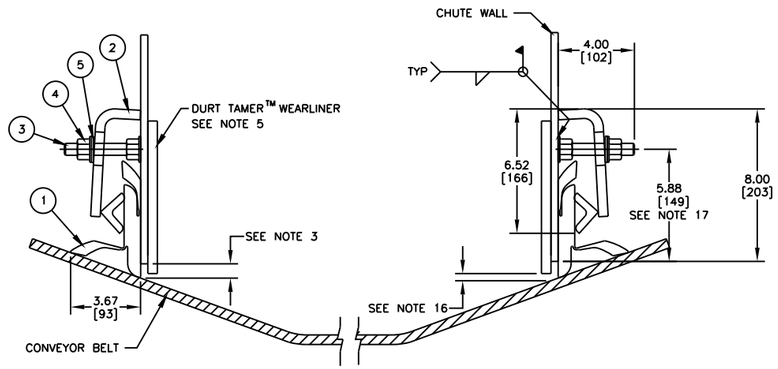
* – SPECIFY LENGTH NEEDED IN FEET.
** – EACH WELDMENT IS 71.88 (1826) LONG. (1) WELDMENT REQUIRED PER EVERY 6'-0" (1829) OF 1-PC DOUBLE APRON SEAL™ (ITEM 1).
*** – (1) STUD (ITEM 3), (2) NUTS (ITEM 4) AND (1) WASHER (ITEM 5) ARE SUPPLIED FOR EACH FOOT OF 1-PC DOUBLE APRON SEAL™. (1) NUT IS USED TO HOLD THE ANGLE CLAMP IN PLACE ON THE STUD, THE OTHER IS WELDED TO THE TO THE CHUTE WALL AND THEN INSERT THE STUD.

INSTALLATION DETAIL

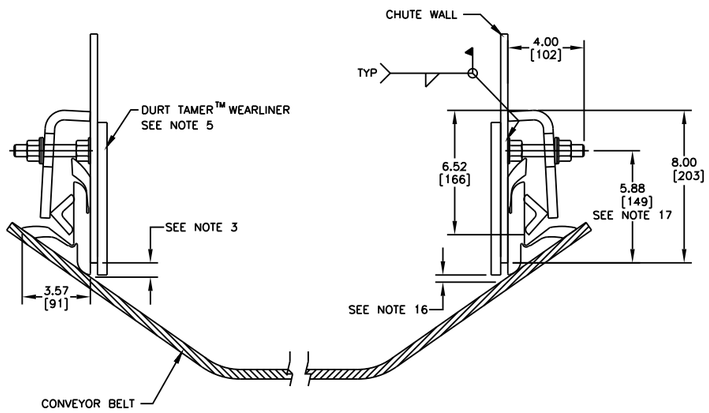
ALL DIMENSIONS TYPICAL EACH SIDE OF CONVEYOR ON ALL LAYOUTS



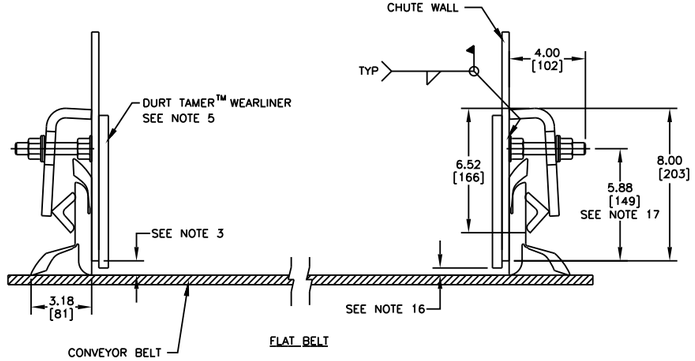
45° BELT



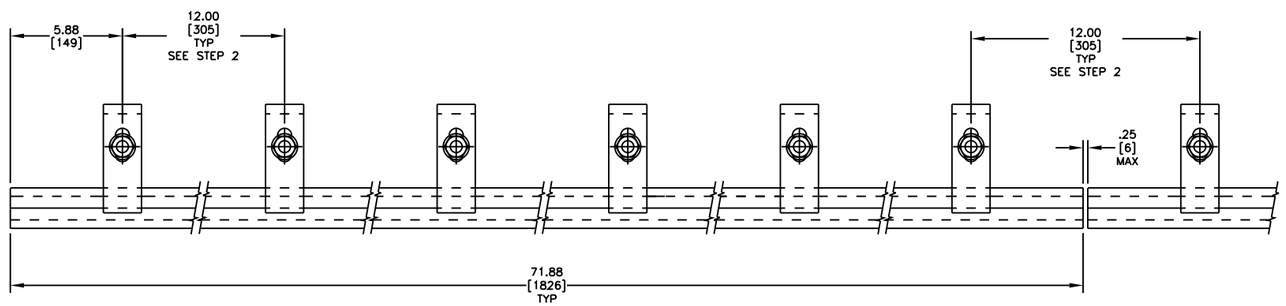
20° BELT



35° BELT



FLAT BELT



ANGLE CLAMP DETAIL

NOTES:
1) ALL DIMENSIONS ARE GIVEN IN INCHES (MM).
2) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
3) MARTIN ENGINEERING RECOMMENDS CHUTE WALL TO BE WITHIN .75 (19) OF BELT.
4) A MIN. OF 8.00 (203) VERTICAL AND 5.00 (127) HORIZONTAL CLEARANCE REQUIRED TO INSTALL APRON SEAL™ & ANGLE CLAMPS.
5) TO PROVIDE AN EFFECTIVE SEAL, DURT TAMER™ WEARLINERS (STRAIGHT OR DEFLECTOR) ARE RECOMMENDED TO PREVENT THE MAIN LOAD FROM CONTACTING THE APRON SEAL™ (STRAIGHT WEARLINER SHOWN).
6) IF DURT TAMER™ WEARLINERS ARE BOLTED TO CHUTE WALL, APRON SEAL™ AND ANGLE CLAMPS ARE TO BE MOUNTED IN A MANNER AS TO ALLOW EASY ACCESS TO BOLTS.
7) APRON SEAL™ IS DESIGNED AS A DUST SEAL ONLY. IT IS NOT TO BE USED AS A MATERIAL HOLDBACK OR LOAD CARRYING SURFACE.
8) BELT MUST NOT LIFT OFF IDLERS DURING START-UP OR WHILE BELT IS IN OPERATION.
9) BELT MUST TRACK PROPERLY TO PREVENT IT FROM RUNNING BEHIND APRON SEAL™.
10) CONSULT MARTIN ENGINEERING FOR INSTALLATIONS WITH UNUSUAL OR SEVERE CONDITIONS, I.E.: CONCAVE/CONVEX CURVES, EXTREME SIDE PRESSURE, UNUSUALLY FAST OR SLOW MOVING BELTS, TEMERATURE EXTREMES, ETC.
11) APRON SEAL™ AND DURT TAMER™ WEARLINER SHOULD BEGIN AT LEAST 12.00 (305) BEFORE INLET SIDE OF CHUTE WALL.
12) CONTACT MARTIN ENGINEERING PRIOR TO MOUNTING THESE PRODUCTS IN ANY WAY OTHER THAN WHAT IS DEPICTED ON THIS DRAWING OR IN OPERATOR'S MANUAL (M3248).
13) ANGLE CLAMP WELDMENT (ITEM 2) IS TO BE FULLY TIGHTENED AGAINST CHUTE WALL.
14) ANGLE CLAMP WELDMENT MUST HAVE FIRM BACKING TO ENSURE PROPER CLAMP FORCE.
15) REFER TO OPERATOR'S MANUAL M3248 DURING INSTALLATION. THIS DRAWING NOT TO BE USED IN PLACE OF OPERATOR'S MANUAL.
16) .38 (10) MAX. IN IMPACT AREA, TAPERING TO .75 (19) AT EXIT AREA.
17) FOR FLAT TO 35° BELTS USE PRE-FAB CHUTE WALL P/N 33564-35.

INSTALLATION INSTRUCTIONS

STEP 1: SCRIBE A LINE PARALLEL TO BELT SURFACE 6.63 (168) ABOVE BELT.
STEP 2: ALONG THIS LINE, MAKE FIRST MARK 5.88 (150) FROM END OF CHUTE WALL AND MARK EVERY 12.00 (305).
STEP 3: ON THESE MARKED CENTERS, WELD 5/8-11NC x 4 STUDS. WHEN WELDING STUDS, MAKE SURE THAT THEY ARE WELDED PERPENDICULAR TO THE CHUTE WALL TO ENSURE EVEN CLAMP CONTACT.
STEP 4: PLACE APRON SEAL™ AGAINST CHUTE WALL, MAKING SURE IT IS IN CONTINUOUS CONTACT WITH BELT. PLACE ANGLE CLAMP WELDMENT OVER PREVIOUSLY WELDED STUDS.
STEP 5: PUSH ANGLE CLAMP WELDMENT TIGHT AGAINST APRON SEAL™ AND INSTALL LOCKING NUTS. TIGHTEN NUTS TO 40 FT/LBS.

© Copyright 2010 Martin Engineering. All rights reserved. Covered by U.S. and foreign patents pending and issued. ® and TM indicate trademarks of Martin Engineering.

MARTIN ENGINEERING
NEPONSET ILLINOIS USA

TITLE: MARTIN® HEAVY DUTY DOUBLE APRON SEAL™ & HEAVY DUTY ANGLE CLAMP INSTALLATION DRAWING

SALES DRAWING

S50065-HDC

DRAWN RND DATE 05/13/10
CHECKED
ENG. DATE 05/13/10
APPROVED DATE 05/13/10
SCALE 1/4

NO.	DESCRIPTION	ECN	DATE	BY
.	.	.	.	.

AutoCAD REVISION .

M00807