

800-798-1968 SHIELDAG.COM



Quality Agricultural Equipment

Manufacturers of:

V-Blades • Sweeps • Chisels & Spikes • Disc Blades • Drill Discs & Hoe Drill Points Related Tillage & Planting Hardware • Fertilizer Knives • Shanks • Coulter Blades • Crop Savers Precision Planting Equipment • Conservation Ripper Points • Strip Till Points • Fertilizer Row Units

Distributors of:

Belted Grain & Fertilizer Conveyors • Salt & Material Handling Conveyors • Seed Handling Equipment Round Baler Belting • Milo Guards & Crop Savers

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Warranty

Shield Agricultural Equipment (ShieldAg) and Acra-Plant warrant our products to be free of defects in materials and workmanship for a period of 180 days after the date of end user (consumer) purchase from the dealer. The warranty for whole goods equipment shall be exactly the warranty offered on these products by the original equipment manufacturer, and their individual warranties shall replace this warranty. This warranty does not apply to item(s), equipment or component parts that are found to have been subject to abuse or inadequate maintenance, that have been altered in any way or that have been used beyond their advertised capacity, rating or intended use. This warranty shall be for the repair or replacement of the defective item(s) at the sole discretion of Shield Agricultural Equipment. Any warranty replacement or repairs shall be subject to pro-rated consumer usage deductions as outlined below. Any warranty on tillage items expires after 1/2" of edge wear has occurred. Chrome products are warranted for defects in material and workmanship only, and the pro-rating system and 1/2" edge wear rule does not apply to chrome products. Chrome products are not guaranteed for use in rocky or frozen ground. This warranty does not extend to labor incurred in removal or replacement of any item(s). ShieldAg shall not be liable for incidental or consequential damages arising out of the use or inability to use the item(s) for any purpose whatsoever.

Execution of consumer rights for warranty repair or replacement:

- 1. Consumer must provide the dealer with evidence of date of purchase of the item(s) to be considered for warranty. This evidence shall be in the form of a copy of the invoice or bill of sale for the item(s) and this evidence shall accompany the item(s) alleged to be defective.
- 2. The dealer shall provide ShieldAg with #1, above, and with a copy of the ShieldAg invoice to the dealer for the same item(s).
- 3. The ShieldAg Territory Manager or the dealer shall complete a ShieldAg Returned Goods Authorization (RGA) for the item(s) alleged to be defective. It is the dealer's responsibility to return the item(s) to ShieldAg at the dealer's expense; however, the Territory Manager may elect to return the items(s) to ShieldAg via our truck. Extension of this courtesy does not constitute the final decision to authorize warranty replacement or repair for the item(s).
- 4. Upon receipt of the item(s) alleged to be defective and the RGA, the ShieldAg engineering department will inspect the item(s). The engineering department will have sole discretion to authorize warranty replacement or repair.
- 5. ShieldAg engineering department shall assign the pro-rated wear factors to all item(s) subject to a warranty claim. Since the range of item(s) varies widely, the assignment of pro-rated wear factor deductions shall be done in good faith, working with the ShieldAg Territory Manager, the dealer and the consumer. In general, warranty will be pro-rated for wear up to 1/2" of edge wear on the item(s). Any warranty on tillage items expires after 1/2" of edge wear has occurred. The pro-rating system and 1/2" edge wear rule does not apply to chrome products.
- 6. ShieldAg will at its sole discretion replace or repair the item(s) found to be defective, less the prorated wear factors. ShieldAg will return the item(s) that have been repaired or replaced to the dealer including free return transportation via the mode of our choice.

Notes on Implied Warranties and Limitations

There is no implied warranty of merchantability or fitness for a particular purpose. Some states do not allow limitations on implied warranties of merchantability or fitness for a particular purpose, so this limitation may not apply in a given state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply in a given state.

Shipments & Returns

This "Shipments and Returns Policy" outlines the rights and obligations of Shield Agricultural Equipment (ShieldAg) dealers with regards to discrepancies in shipments and returns of unsold items to ShieldAg.

Shipments

ShieldAg must be informed of any shortages in shipments within ten (10) days of the arrival of that shipment or shipments at the dealer or end user (in the case of drop-shipments from ShieldAg to the end user). Shortages for truck shipments via LTL, UPS or other common carrier should be forwarded to the carrier for adjustment via freight claim. Shortages deemed by ShieldAg corporate office or our Territory Managers to be our responsibility will be corrected through a credit on the account of the dealer or through replacement of the item(s) that were missing from the shipment. It is the sole responsibility of the dealer to count the item(s) received on shipments and to make appropriate claims for shortages within ten (10) days of the receipt of the item(s).

Execution of dealer rights for shipments:

- Dealer shall provide ShieldAg with a copy of the ShieldAg packing slip (pick list) highlighting the item(s) that were alleged to be missing. A copy of the packing slip is to be faxed or mailed to ShieldAg within ten (10) days of the receipt of the shipment.
- 2. The ShieldAg Territory Manager may at our discretion be asked to visit the dealer and examine the shipment and shortage prior to extending credit or replacing the items.
- 3. ShieldAg will at its sole discretion replace the missing item(s) or credit the dealer account for the net dealer cost of the item(s) found to be missing. If replaced, ShieldAg will replace the missing item(s) to the dealer including free return transportation via the mode of our choice.

Returns

ShieldAg does not have any types of oral or written agreements, contracts or arrangements of any type, between ShieldAg and our dealers or distributors that provide for the rights and obligations of the parties with respect to the purchase or sale of equipment or repair parts, beyond the standard obligations created by purchase orders and acceptance of same, for ShieldAg parts. ShieldAg therefore does not fall under any state's "buy back" laws. ShieldAg will not allow returns for any items purchased as "special order" or non-standard as modified for a custom application. ShieldAg will accept the return of standard-stocked new item(s) originally purchased into dealer or distributor stock from ShieldAg for a period of two (2) years from the date of original purchase from ShieldAg. All items returned must be current to the stream of commerce and not deemed to be obsolete. Returned item(s) in new and merchantable condition shall be subject to a thirty percent (30%) restocking charge. Any item(s) requiring rework, repackaging or repainting will be accepted only with a revised (and increased) restock charge after inspection at ShieldAg.

Execution of dealer or distributor rights for returned goods:

- 1. Dealer or distributor shall provide ShieldAg with a copy of the original invoice for the item(s) to be returned and a written explanation of the reason for return.
- 2. The ShieldAg inside salesperson or territory manager will work with the dealer or distributor to complete a ShieldAg Returned Materials Authorization (RMA), also known in the industry as an RGA (Returned Goods Authorization) for the item(s) to be returned. Upon inspection of the original invoice and the written explanation for return, the ShieldAg Inside salesperson or territory manager will authorize return of the item(s) for inspection and subsequent credit. It is the dealer's responsibility to return the item(s) to ShieldAg at the dealer's expense. Receipt of items does not constitute the final decision to extend returned goods credit for the item(s).
- 3. Upon receipt of the item(s) and the completed RMA (RGA), ShieldAg will inspect the items for merchantability and general condition. Credit on account will only be applied after the items have been inspected and accepted. Credit against the dealer or distributor account receivable will be applied less the thirty percent (30%) restocking charge. There will be no cash refunds for returned items. The ShieldAg territory manager or inside salesperson will communicate (to the dealer or distributor) acceptance (or rejection) of the returned goods and the final credit amount.
- **4.** This Policy dated 12/01/2020 supersedes all previous written or oral Returned Goods polices.

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SHIELDAG FERTILIZER KNIVES







All DF deep furrow knives are supplied with the DF1PM improved casting DF-1PM/ST series knives are designed for strip till applications For heavy-duty strip till applications, see the section of ST-series strip till points

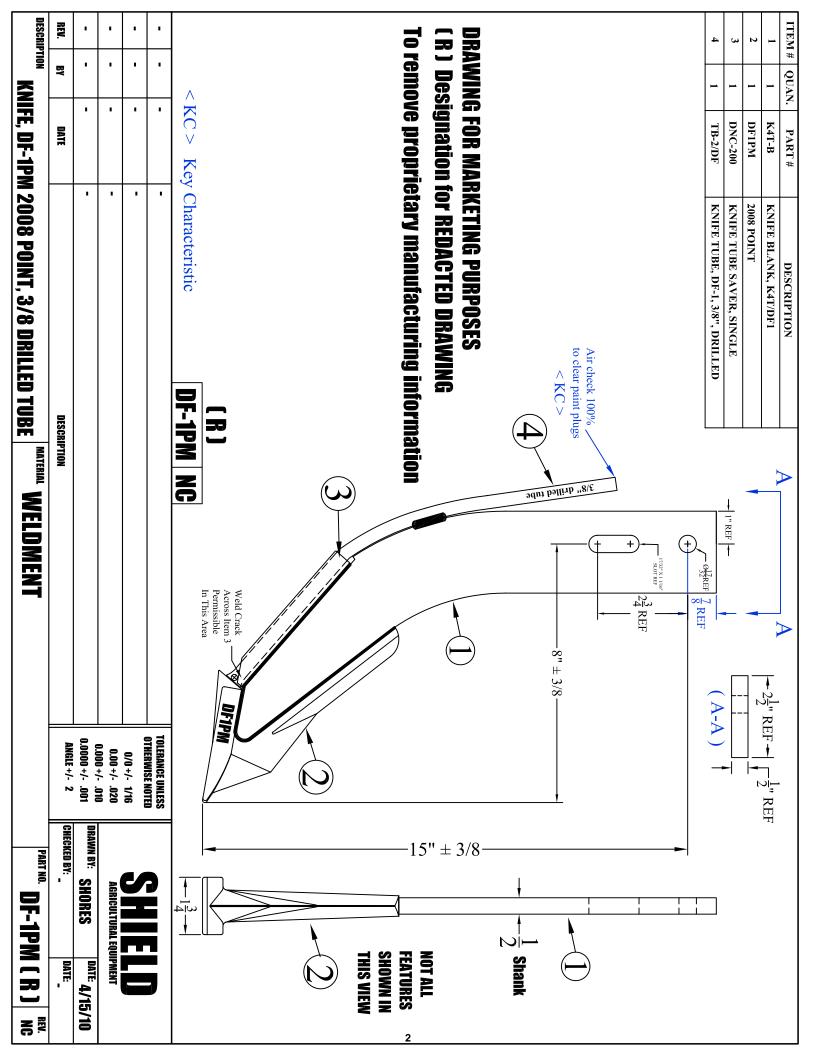
STANDARD DF-1PM Deep Furrow Knives, 1/2" X 2-1/2" X 16" Tall

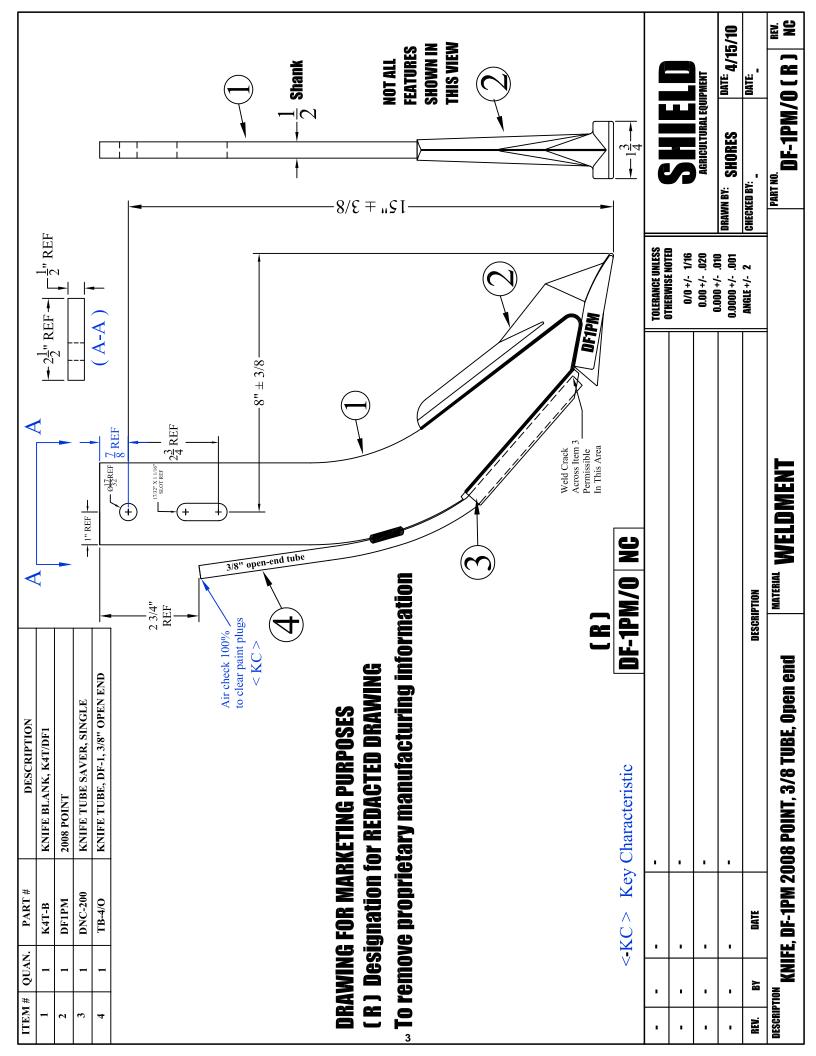
Drawings for knives following this page are in the order shown in this table

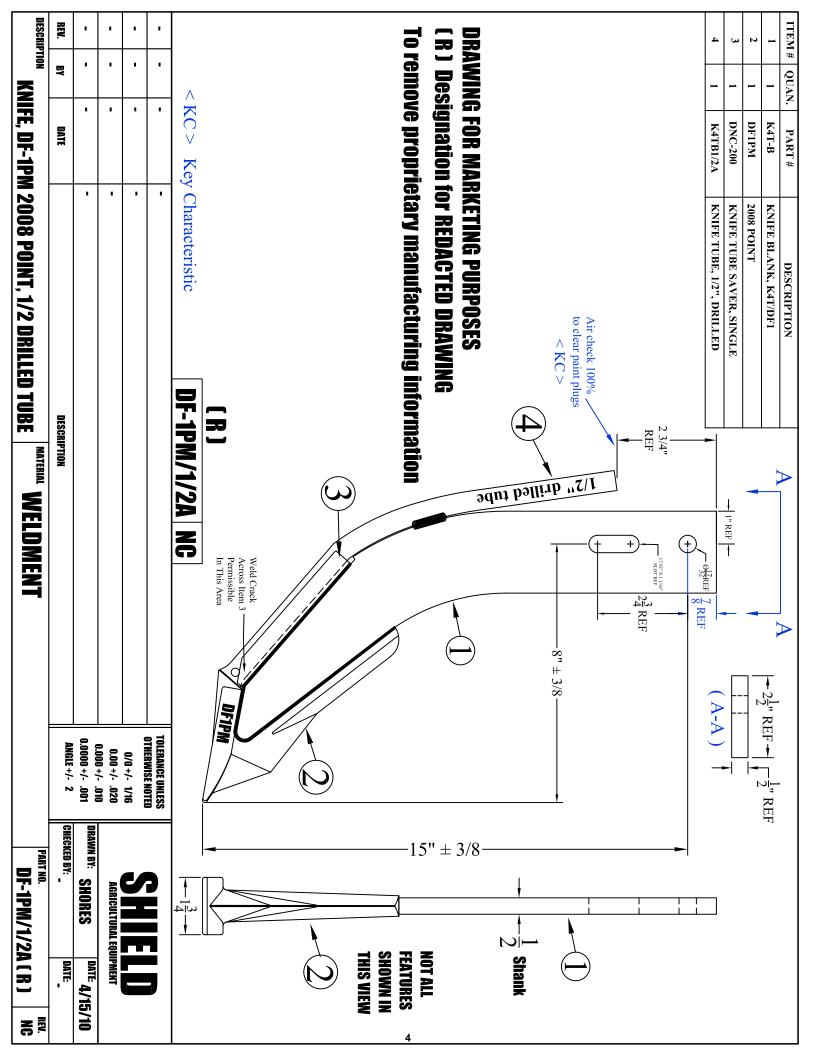
Part #	Description	DRAWING	Weight
DF-1PM	Single 3/8" NH3 tube	yes	7.2
DF-1PM/O	Single 3/8" open end tube	yes	7.2
DF-1PM/1/2A	Single 1/2" NH3 tube	yes	7.3
DF-1PM/3/4DA	3/8" NH3 & 3/4" vapor tube	yes	7.8
DF-1PM/DA	3/8" NH3 & 3/8" open end tubes	yes	7.6
DF-1PM/DA/O	Dual open end 3/8" tubes	yes	7.6
DF-1PM/2DA	3/8" NH3 & 1/2" open end tubes	yes	7.8
DF-1PM/1/2A/3/4DA	1/2" NH3 & 3/4" open end tubes		8.2
DF-1PM/1/2A/1/2DA	1/2" NH3 & 1/2" open end tubes		7.9
DF-1PM/1/2A/3/8DA	1/2" FRONT NH3 & 3/8" REAR open end tubes		7.8
DF-1PM/DA/3/4	3/8" NH3 & 3/8" open end tubes and 3/4 vapor tube		8.4
DF-1PM/112DA	3/8" NH3 & 1-1/2" dry tubes, conventional	yes	9.6
DF-1PM/112DAR	3/8" NH3 & 1-1/2" dry tube, conventional, dry tube BENT RIGHT		9.6
DF-1PM/112	Knife with 1-1/2" dry tube only, conventional		9.5
DF-1PM/112DA/HF	SUB TO DF-1PM/ST/112DA		
DF-1PM/112DA/3/4	3/8" NH3, 3/4" Vapor & 1-1/2" dry tubes, conventional	yes	10.6
DF-1PMDATS	Dual App tube saver, 3/8" drilled front tube, no rear tube	yes	7.0
DF-1PM/WOT	No tube with single tube saver	yes	6.8
DF-1PM/WOTS	No tube, no tube saver	yes	6.7
DF-1PM/ST	Single 3/8" NH3 tube with Strip till protection STRIP TILL	yes	10.3
DF-1PM/ST/DA/TB-18	3/8" NH3, TB-18 tubes, with Strip till protection STRIP TILL	yes	10.6
DF-1PM/ST/3/4DA	3/8" NH3 & 3/4" open end tubes and strip till protection STRIP TILL	yes	11.1
DF-1PM/ST/DA/3/4	3/8" NH3 X 3/4 vapor X 3/8" (TB-18) and strip till protection STRIP TILL	yes	11.9
DF-1PM/ST/DA/1/2	3/8" NH3 X 3/8" (TB-18) X 1/2 vapor and strip till protection STRIP TILL		11.7
DF-1PM/ST/112	1-1/2" dry tube only, Strip Till protection STRIP TILL	yes	13.4
DF-1PM/ST/112DA	3/8" NH3 & 1-1/2" dry tubes, Strip Till protection STRIP TILL	yes	13.6
DF-1PM/ST/1/2A/112DA	1/2" NH3 & 1-1/2" dry tubes, Strip Till protection STRIP TILL		13.7

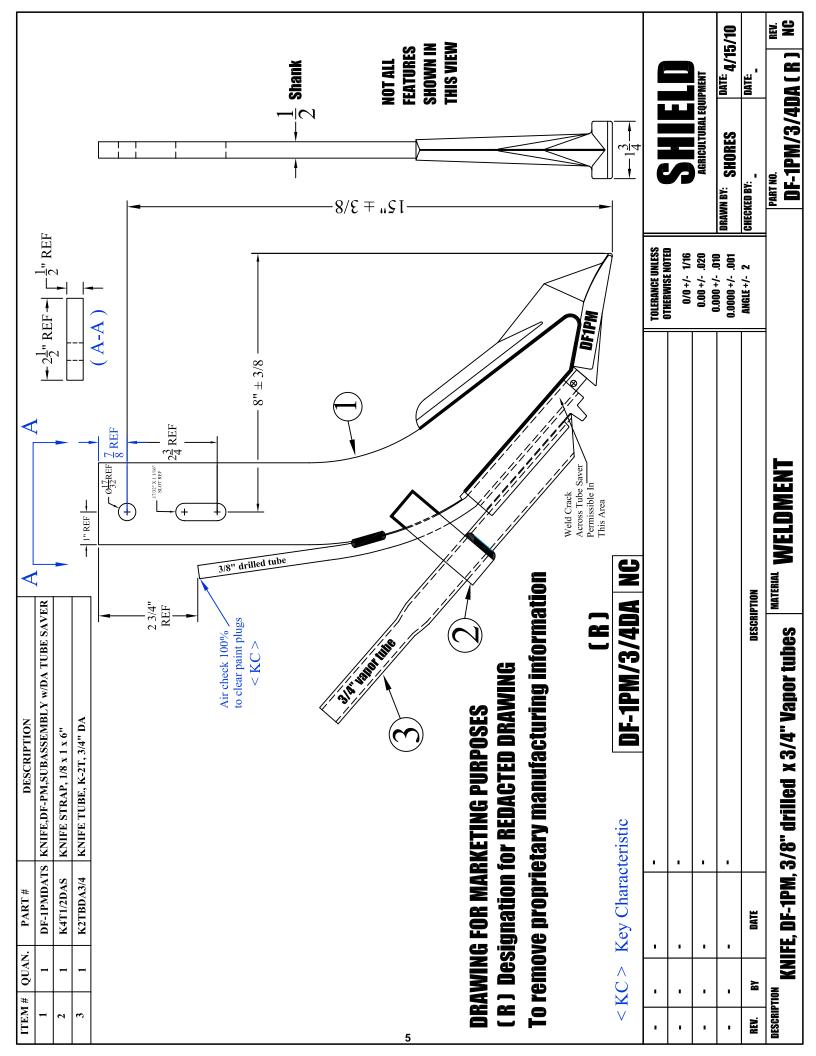
Part #	Replacement Parts for Deep Furrow Knives	Weight
DF1PM	Knife point	1.65
DNC-200	Single tube saver	0.35
DNC-202	Dual tube saver	0.56
TB-2/DF	3/8" tube drilled	0.30
TB-2/O	3/8" tube open end	0.30
TB-4/O	3/8" tube open end	0.30
K2TB1/2A	1/2" tube drilled	0.53
K2TB1/2A/O	1/2" tube open end	0.53
K2TBDA3/4	3/4" tube open end	0.74
K4TB112DA	1-1/2" dry tube	0.75
K4T1/2DAS	Knife strap for adding secondary tubes	0.06
KTWS-01	4-segment chrome extension for knife front	0.34

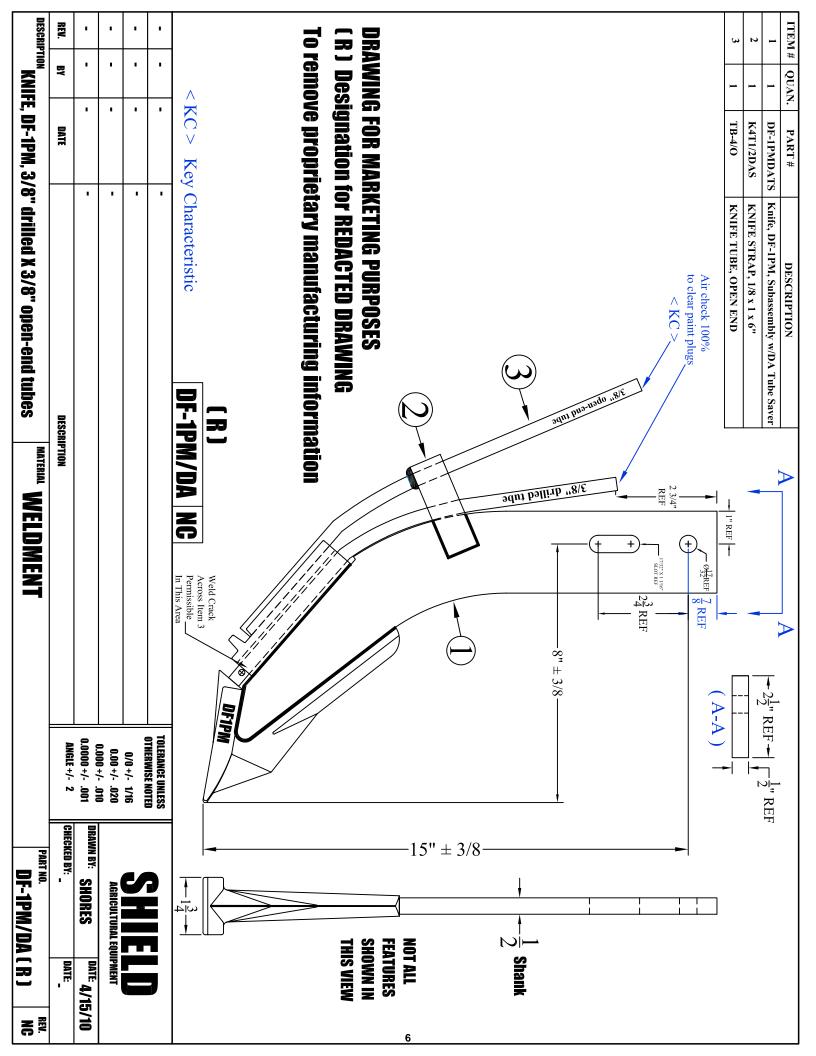
NOTE: Special Configurations available for ANY Shield knife

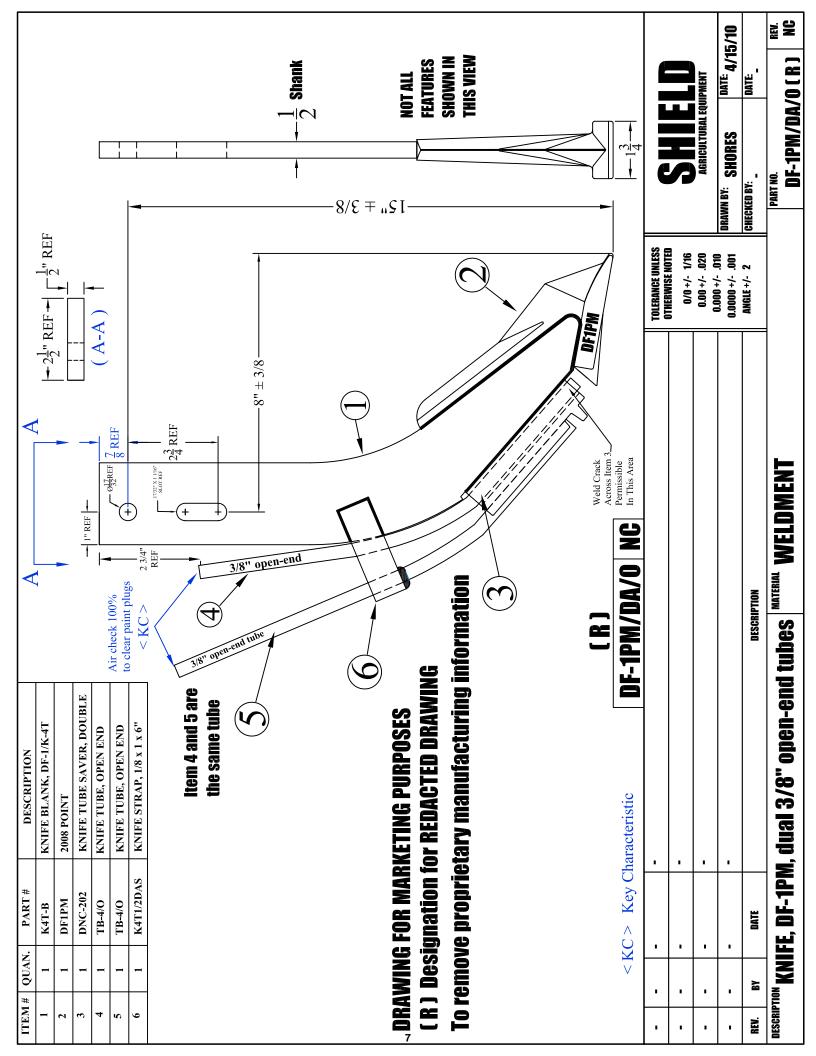


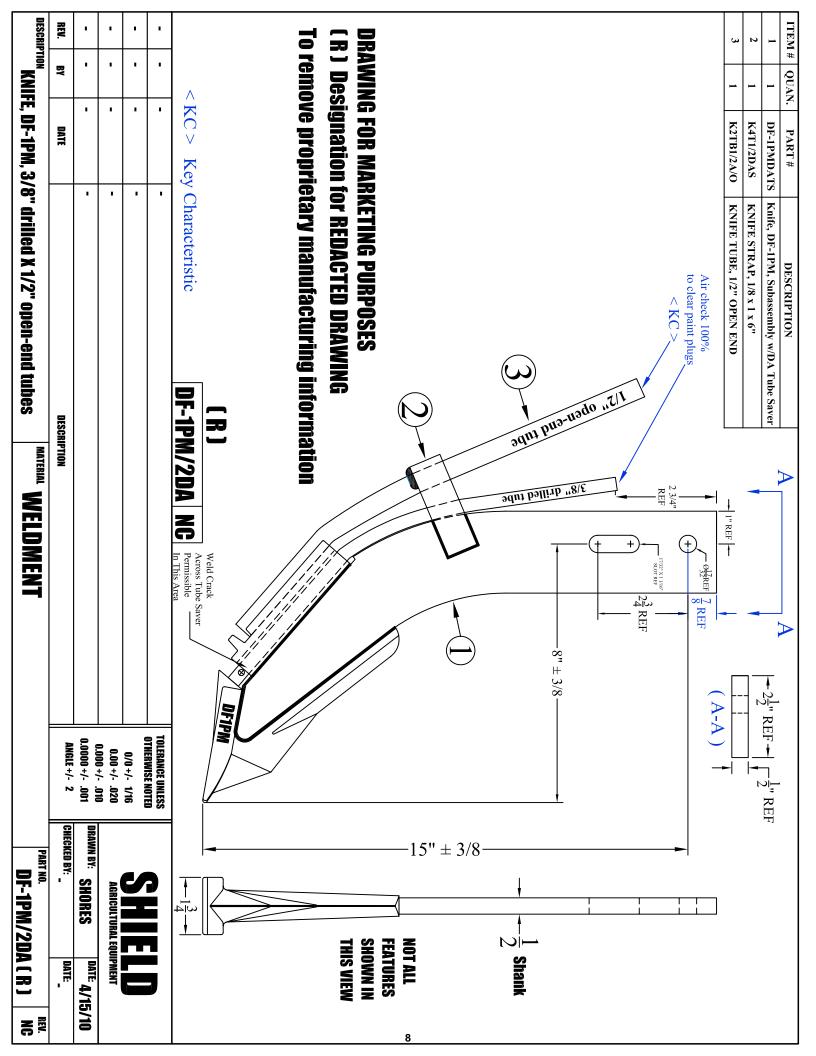


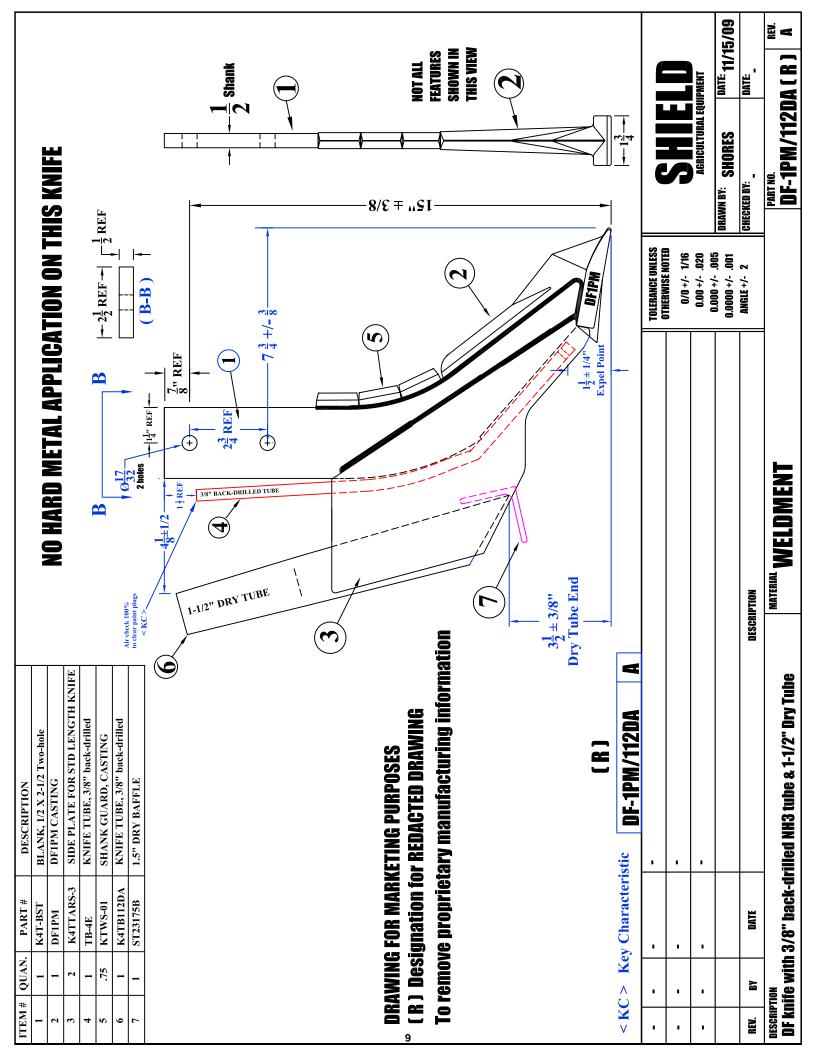


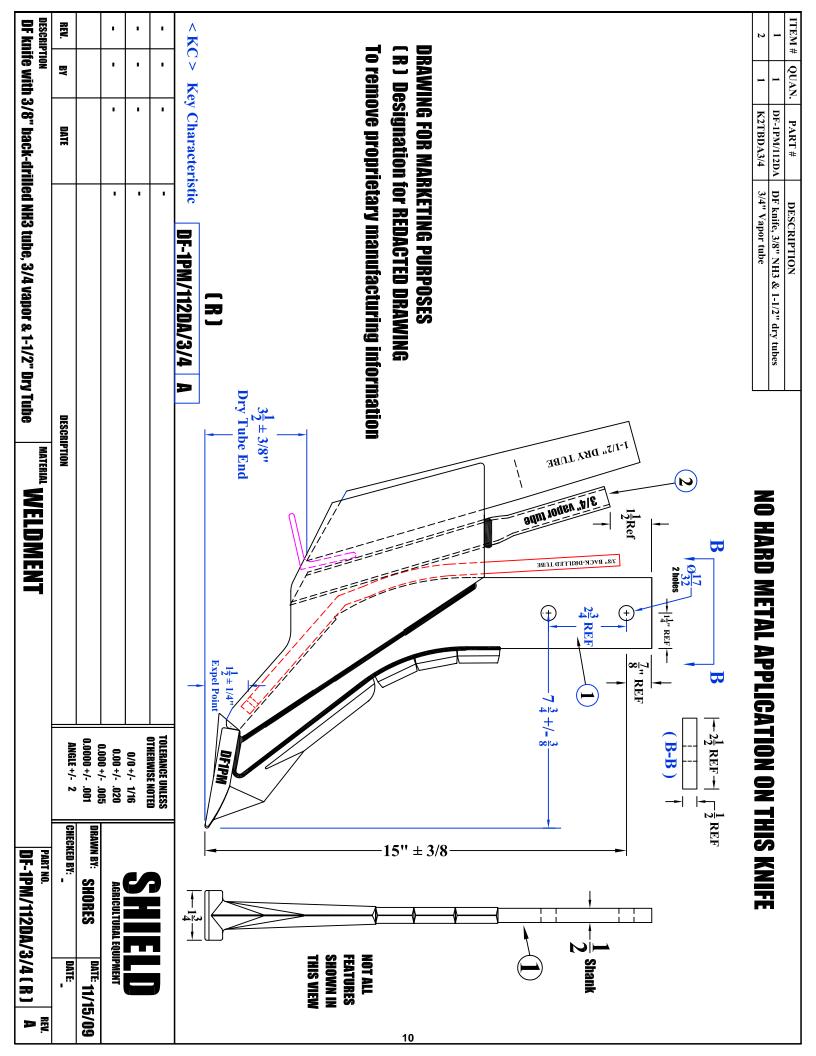


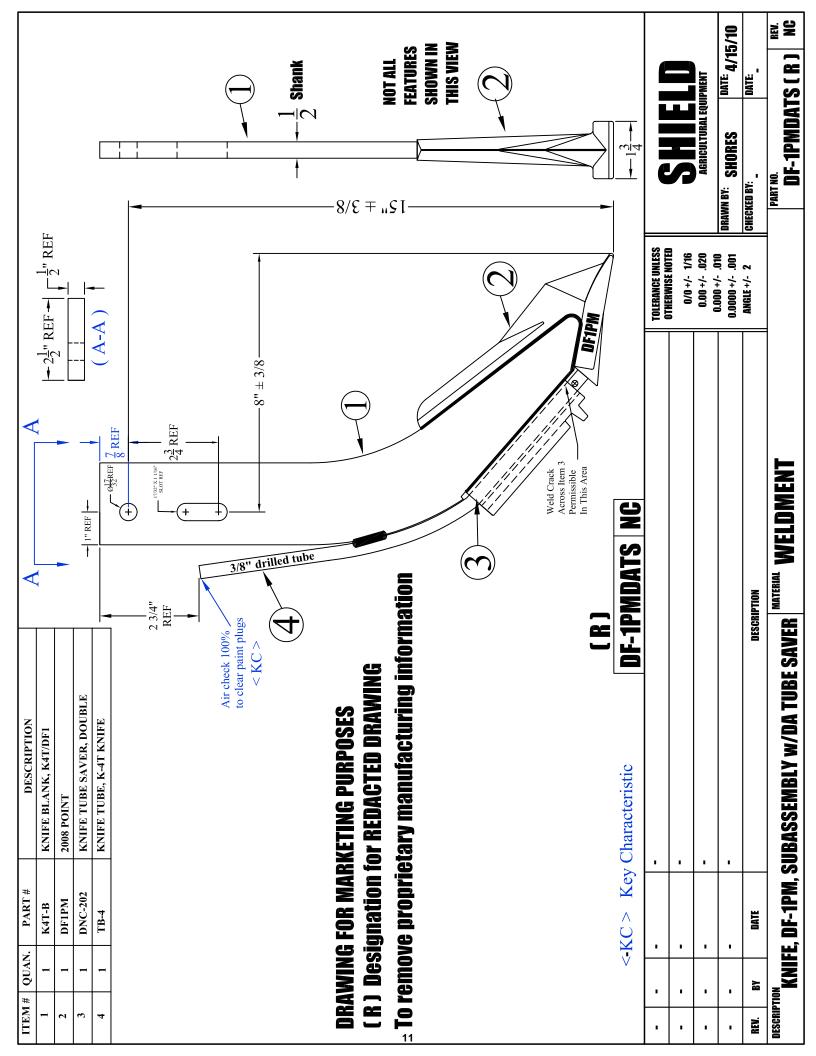


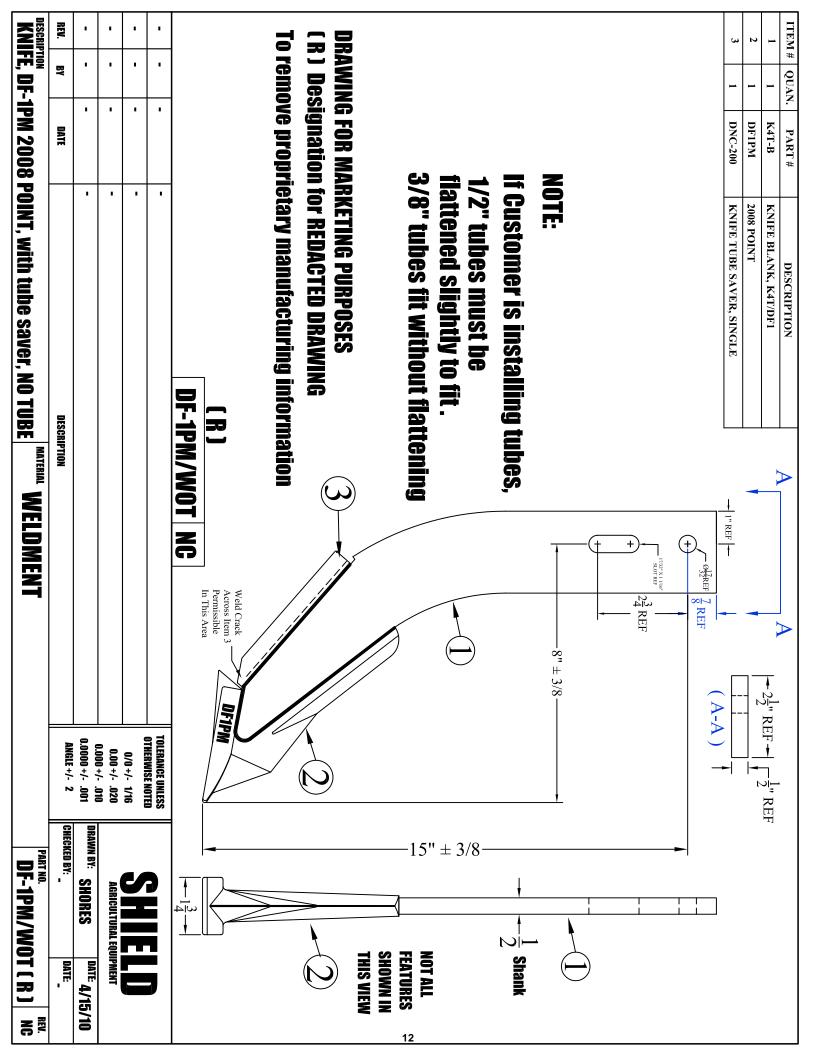


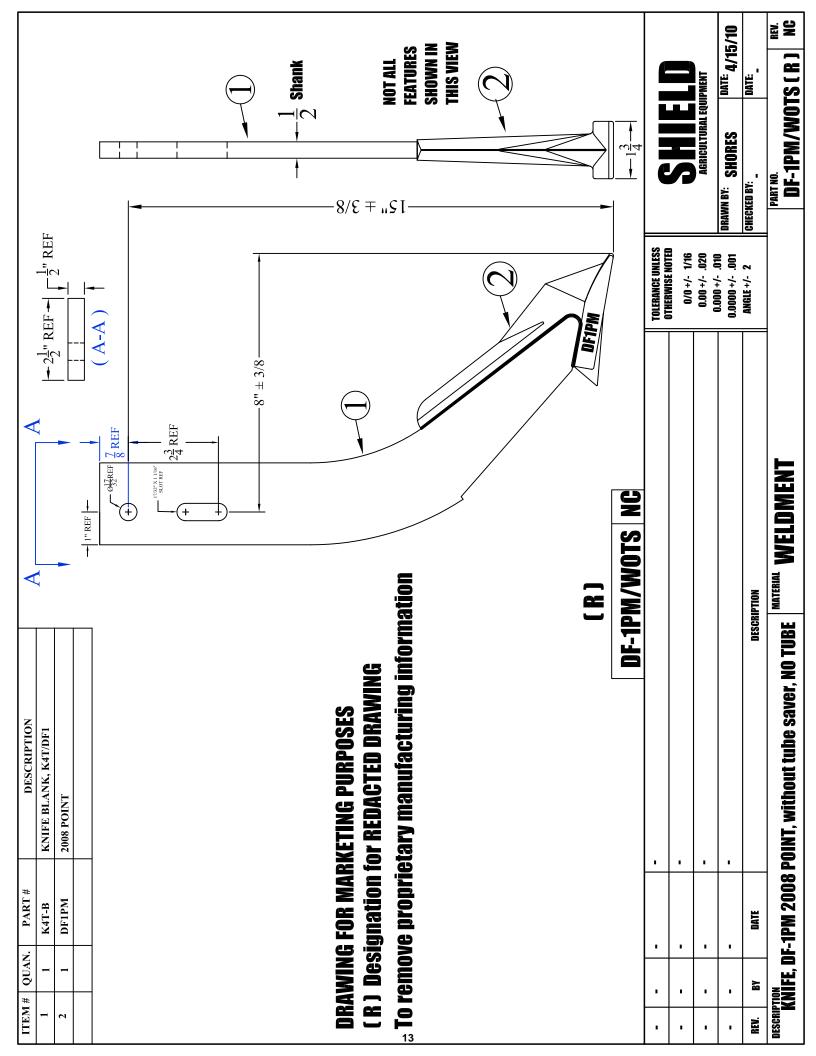


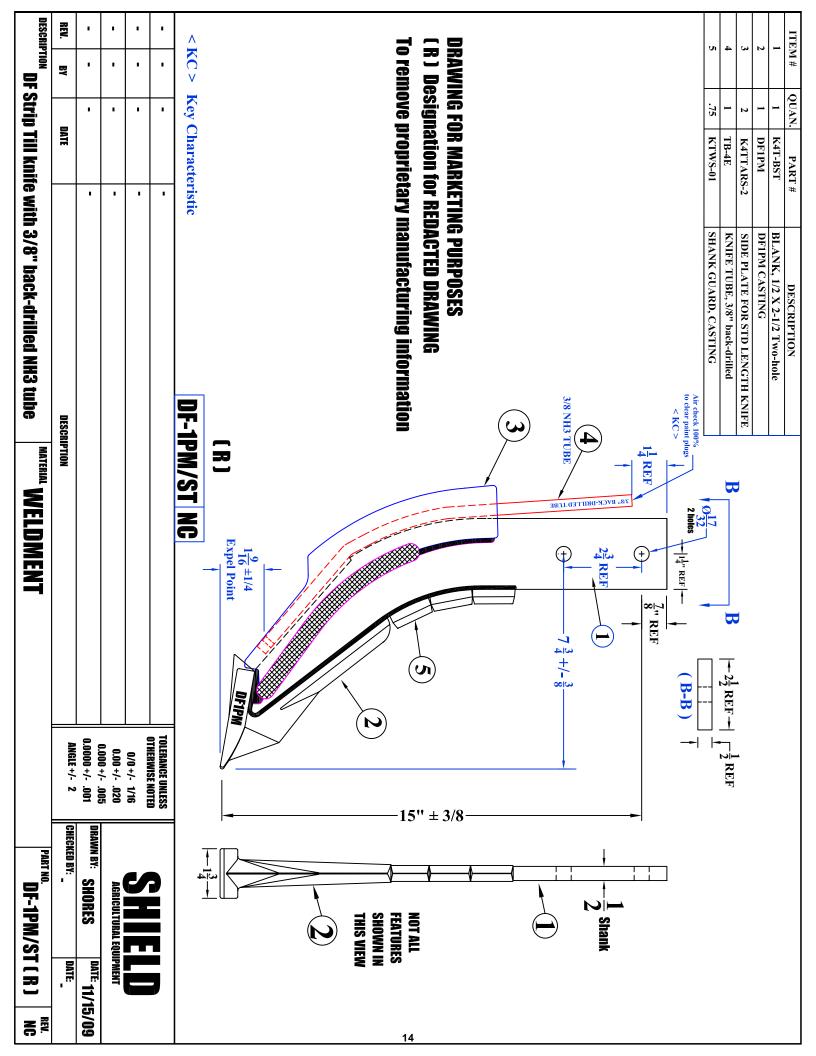


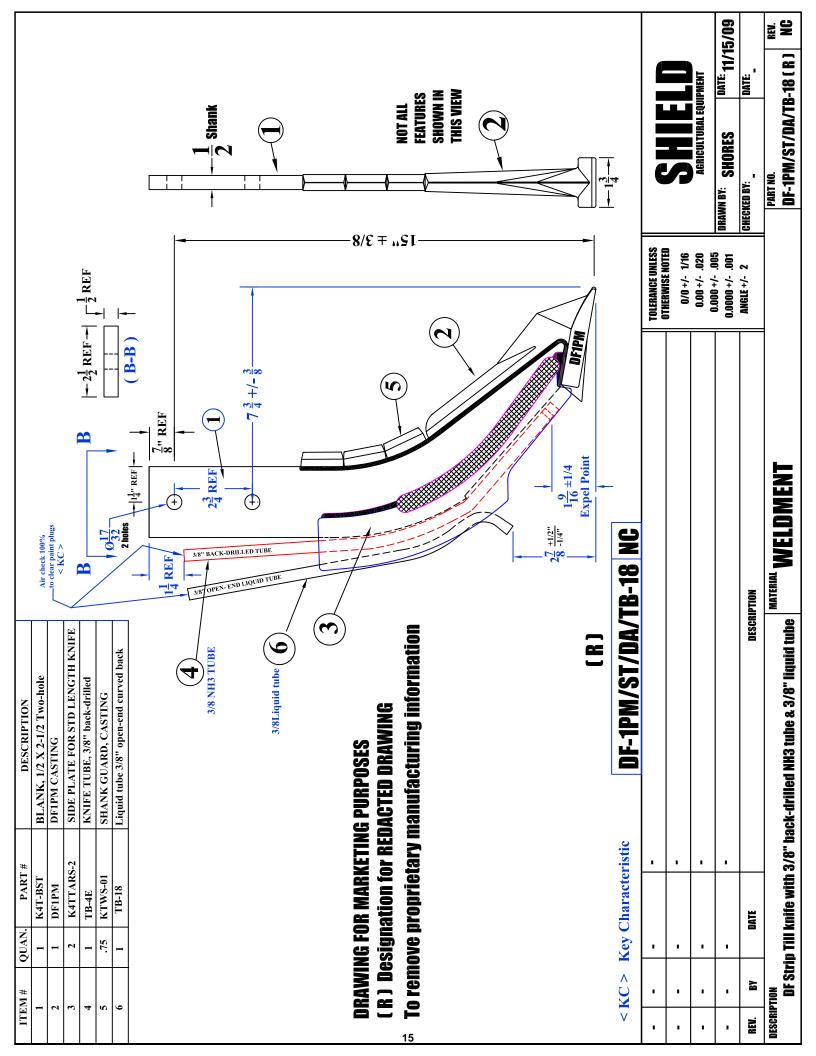


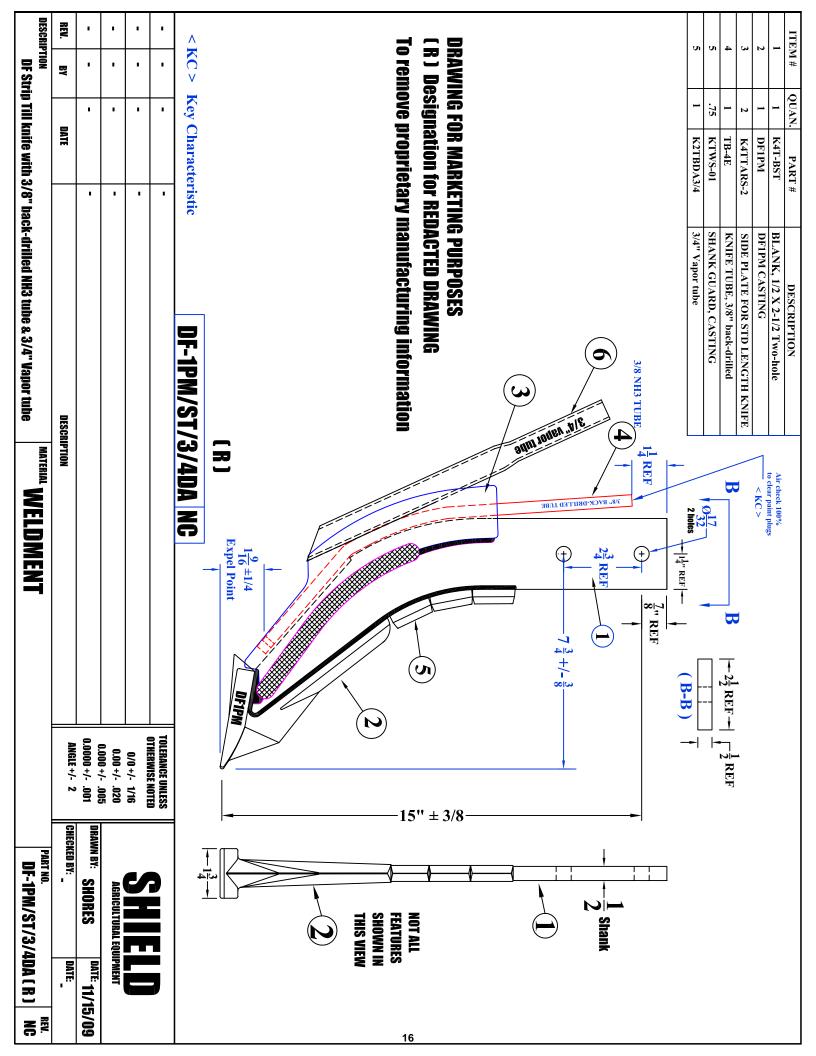


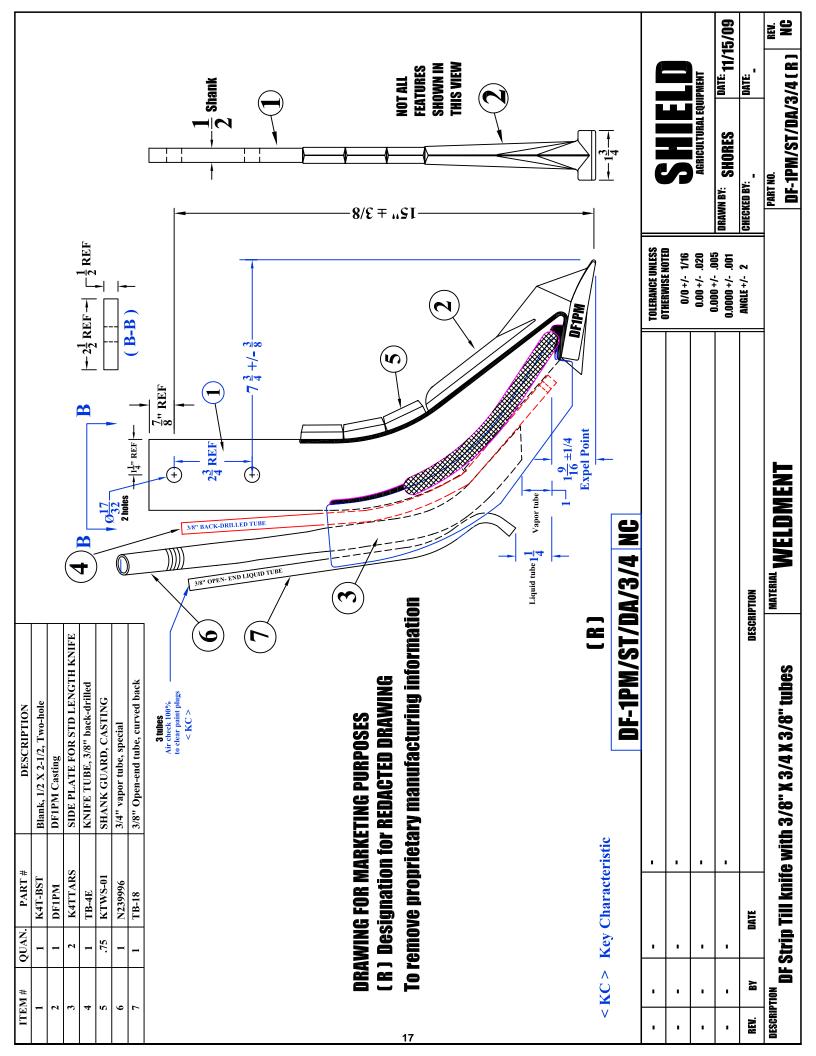


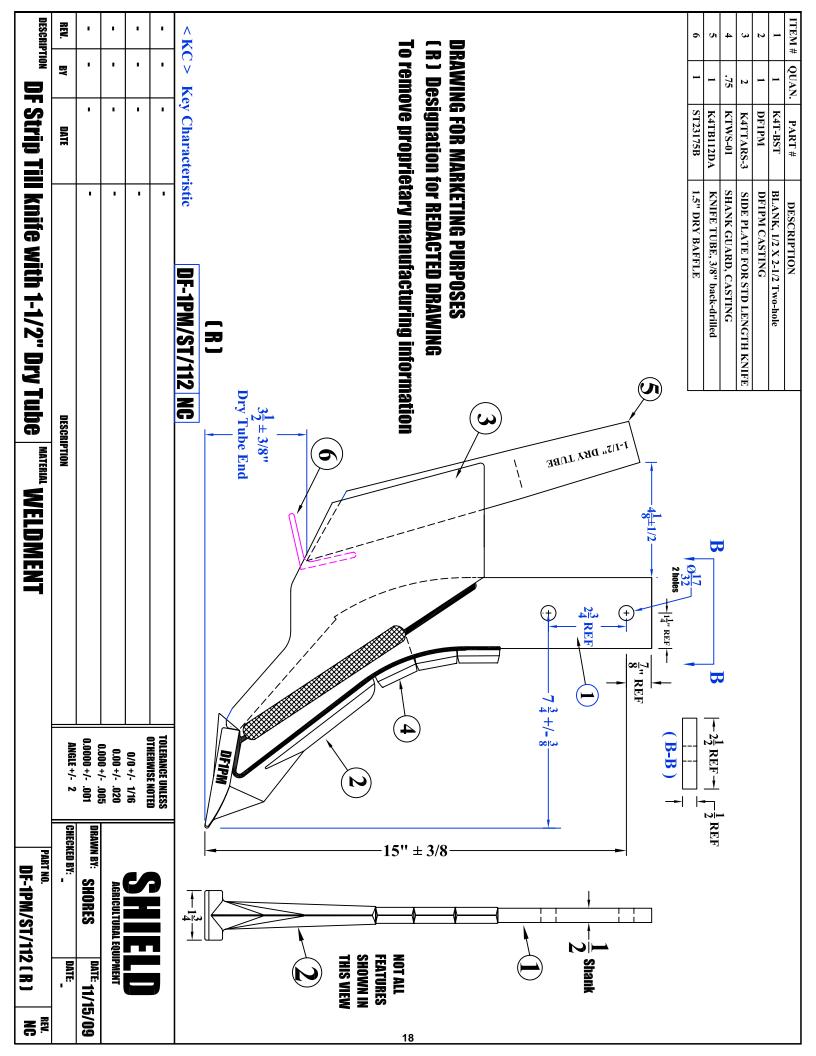


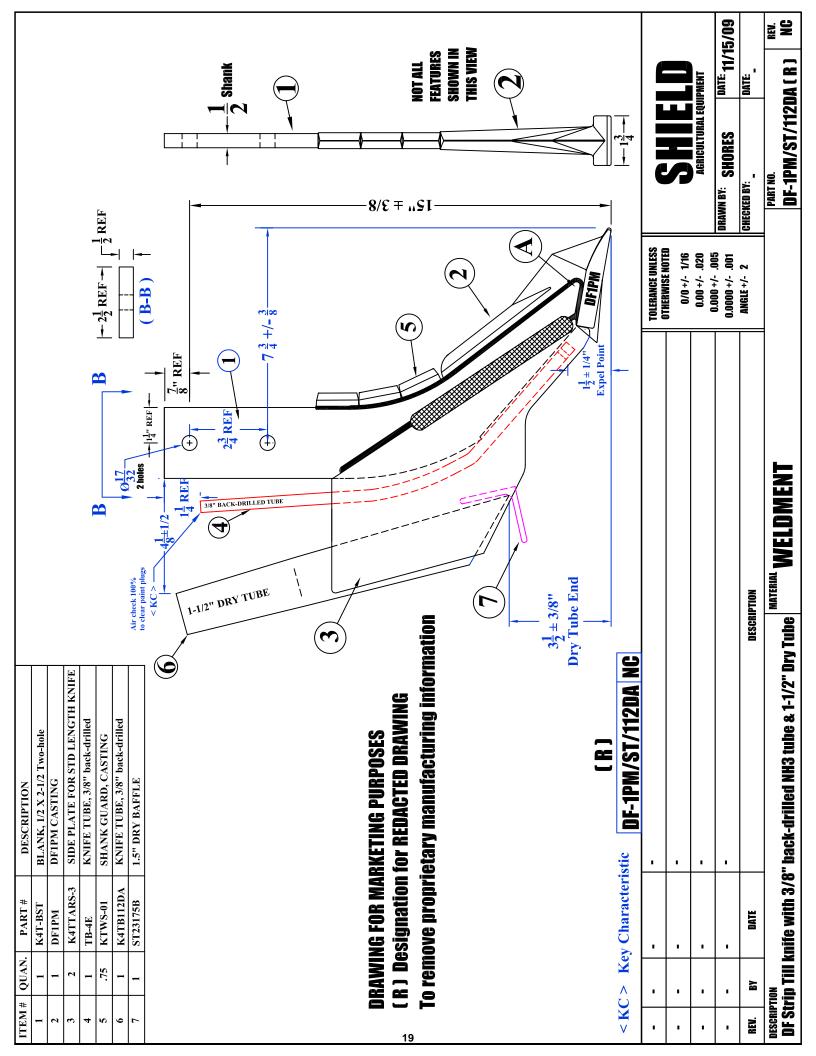












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STANDARD K-2T Upright 1/2" X 2-1/2" X 16" tall Knives

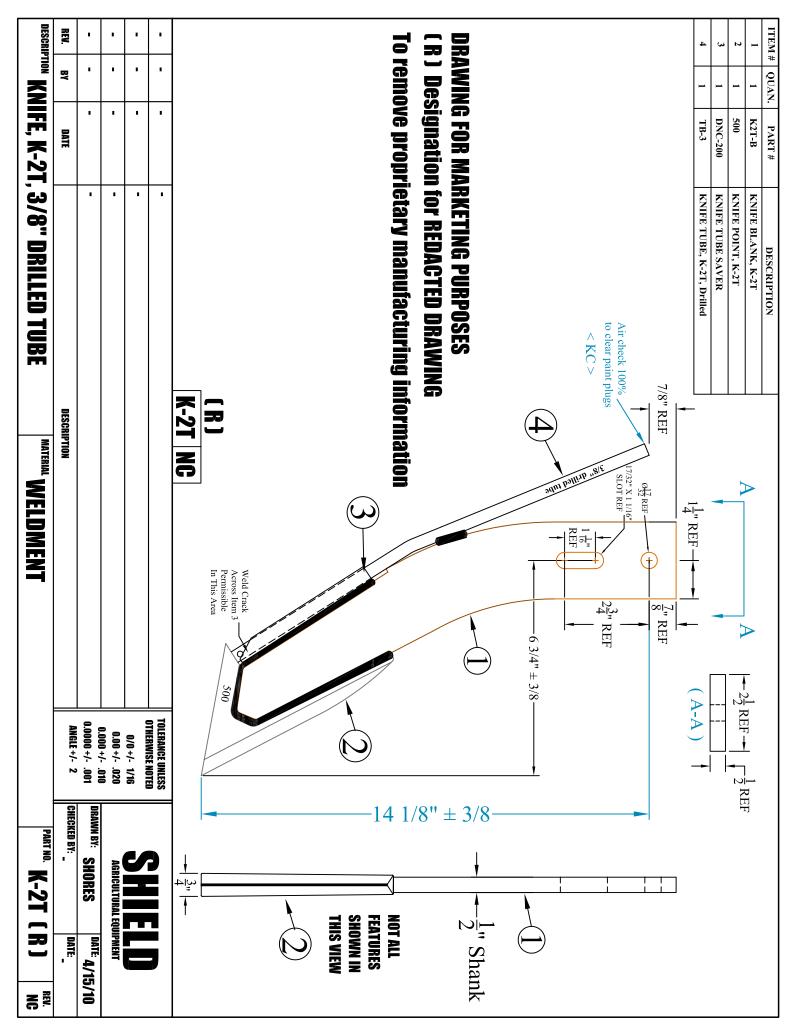
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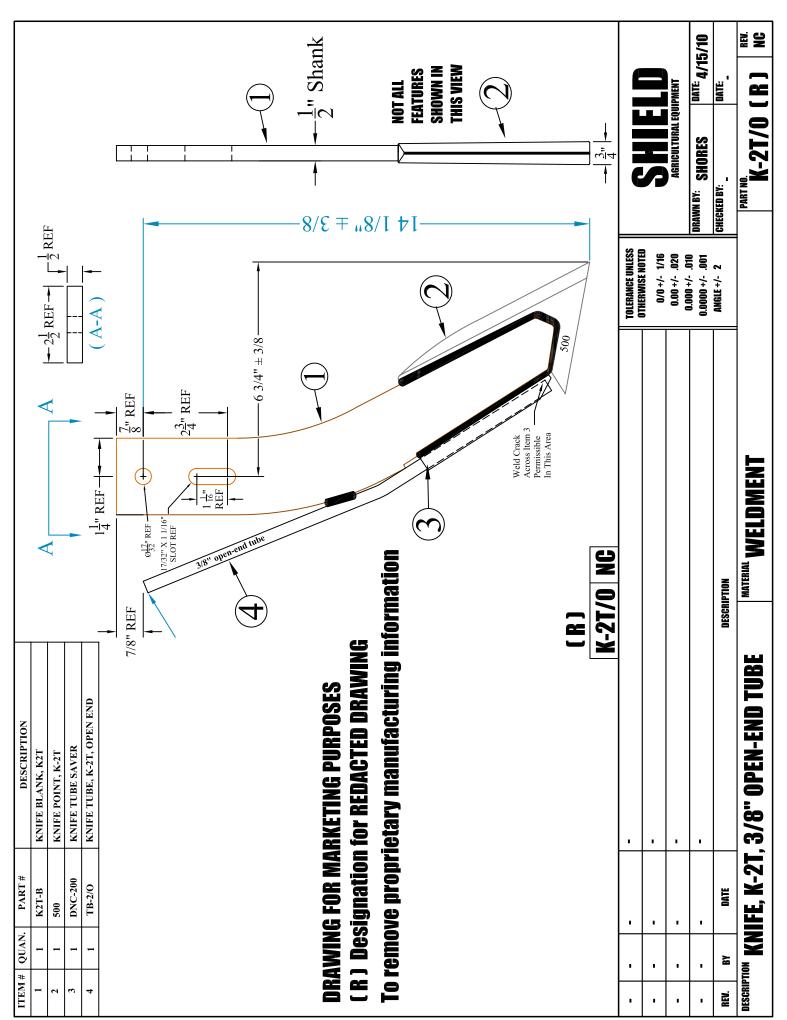
Part #	Description	DRAWING	Weight
K-2T	Single 3/8" NH3 tube	YES	6.2
K-2T/O	Single 3/8" open end tube	YES	6.2
K-2T/1/2A	Single 1/2" NH3 tube	YES	6.4
K-2T/1/2A/O	Single 1/2" open end tube	YES	6.4
K-2T/1/2A/PLSPL	Single 1/2" NH3 tube with sealer	YES	7.1
K-2T/1/2DA	3/8" NH3 & 1/2" open end tubes	YES	7.1
K-2T/1/2DA/PLSPL	3/8" NH3 & 1/2" open end tubes with sealer		7.8
K-2T/1/2A/1/2DA	1/2" NH3 & 1/2" open end tubes		7.1
K-2T/1/2A1/2DA/PLSPL	1/2" NH3 & 1/2" open end tubes with sealer		7.8
K-2T/1/2A/3/4DA	1/2" NH3 tube with 3/4 vapor tube	YES	7.2
K-2T/1/2A/3/4DA/PLSPL	1/2" NH3 tube with 3/4 vapor tube and sealer	YES	7.8
K-2T/1/2A/PLSPL/LOWER	Single 1/2" NH3 tube with sealer lower position		7.8
K-2T/1/2A/O/3/4DA	1/2" open end tube with 3/4 vapor	YES	7.2
K-2T/1/2A/O/3/4DA/PLSPL	1/2" open end tube with 3/4 vapor and sealer	YES	7.8
K-2T/3/4DA	3/8" NH3 & 3/4" open end tubes	YES	7.2
K-2T/O/3/4DA	3/8" OPEN & 3/4" open end tubes	YES	7.2
K-2T/3/4DA/PLSPL	3/8" NH3 & 3/4" open end tubes with sealer	YES	7.8
K-2T/O/3/4DA/PLSPL	3/8" OPEN & 3/4" open end tubes with sealer	YES	7.8
K-2T/O/112DA	3/8" open end tube with 1-1/2" dry tube	YES	8.6
K-2T/O/112DA/3/4	3/8" open end tube with 1-1/2" dry tube and 3/4 vapor on back		9.0
K-2T/O/1/2DA/O	3/8" open and 1/2" open tubes		7.1
K-2T/O/1/2DA/O/3/4DA	3/8" open and 1/2" open tubes and 3/4 vapor tube		7.6
K-2T/DA	3/8" NH3 & 3/8" open end tubes	YES	7.0
K-2T/DA/O	3/8" and 3/8" open end tubes	YES	7.0
K-2T/DA/3/4	3/8" NH3 & 3/8" open and 3/4" vapor	YES	7.6
K-2T/DA/O/3/4	Dual 3/8" and 3/8" open end tubes and 3/4 vapor		7.6
K-2T/DA/1/2	3/8" NH3 & 3/8" open and 1/2" vapor	YES	7.2
K-2T/DA/PLSPL	3/8" NH3 & 3/8" open end tubes with sealer		7.7
K-2T/O/PLSPL	Single 3/8" OPEN tube with sealer	YES	7.0
K-2T/PLSPL	Single 3/8" NH3 tube with sealer	YES	7.0
K-2TDATS	Dual app tube saver and single 3/8" drilled tube	YES	6.4
K-2TDATS/O	Dual app tube saver and single 3/8" open-end tube	YES	6.4
K-2T/WOT	Single tube saver and NO TUBE	YES	6.0

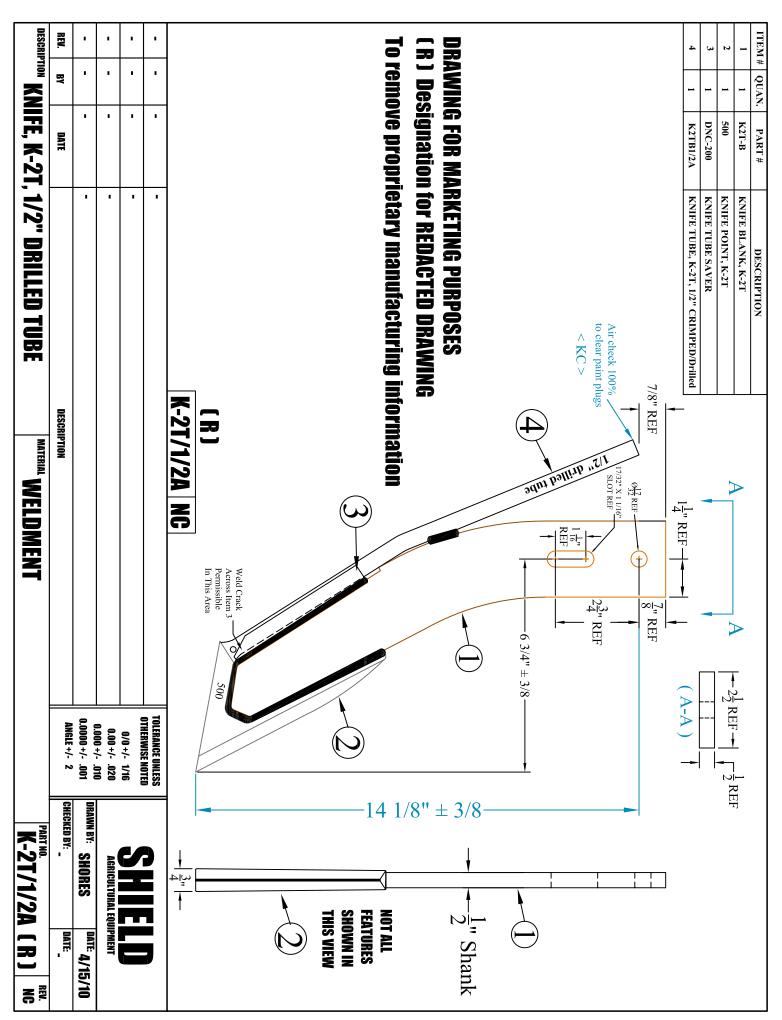
Part #	Replacement Parts for K-2T Knives	Weight
500	Knife point	1.00
DNC-200	Single tube saver	0.35
DNC-202	Dual tube saver	0.56
TB-3	3/8" tube drilled	0.30
TB-2/O	3/8" tube open end	0.30
K2TB1/2A	1/2" tube drilled	0.53
K2TB1/2A/O	1/2" tube open end	0.53
K2TBDA3/4	3/4" tube open end	0.74
SPL-4NEW	Sealer, will fit single & dual app tubes to 1/2"	0.60
SPL-4DANEW	Sealer, will fit 3/4" dual application	0.80
K4T1/2DAS	Knife strap for adding secondary tubes	0.06
KTWS-01	4-segment chrome extension for knife front	0.34

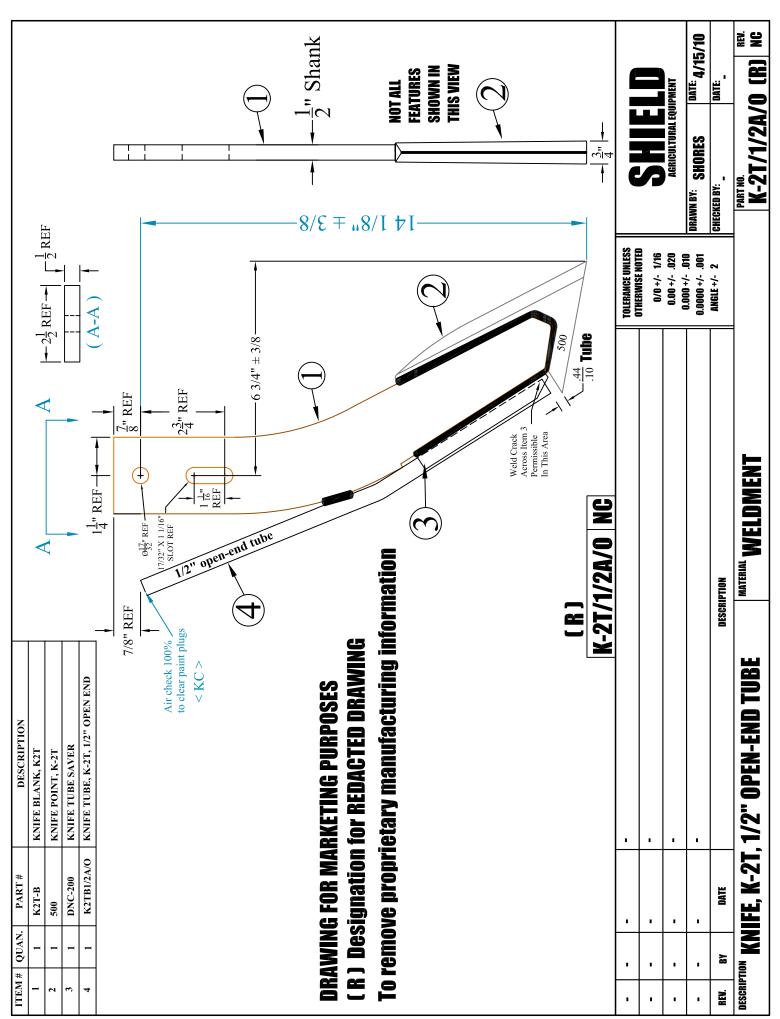
SHIELDAG Will CUSTOMIZE any K-2T knife for STRIP TILL Application

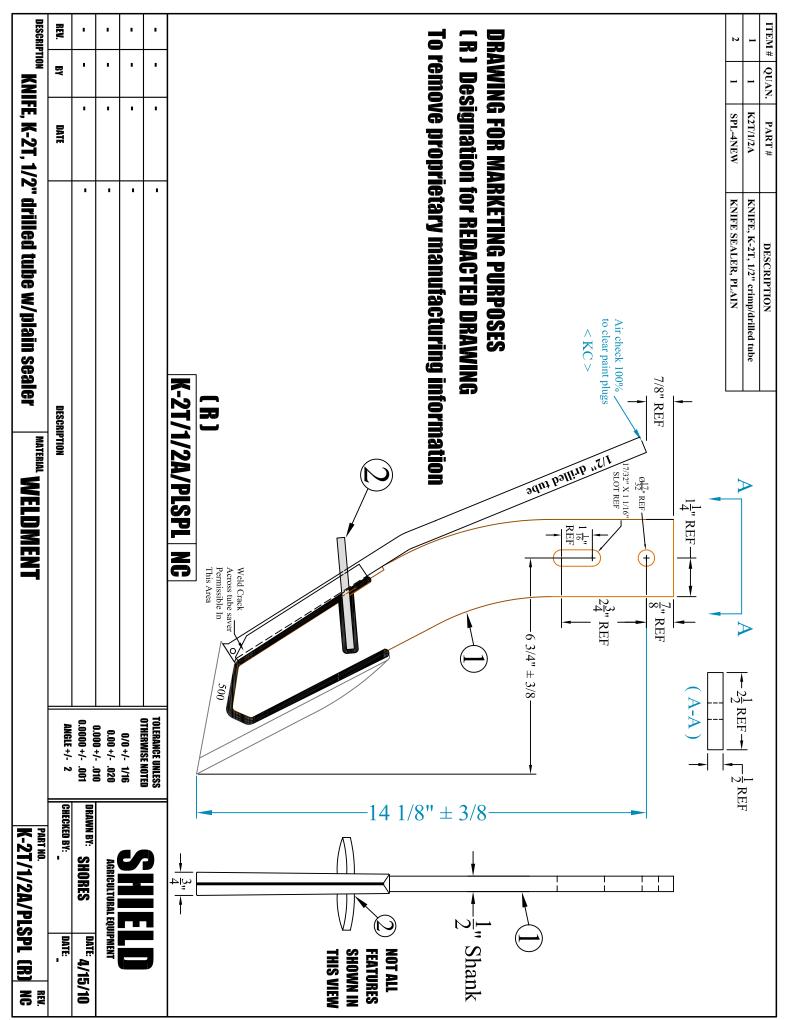
SPECIAL SEALER PLATES AND SEALER POSITIONS AVAILABLE !!

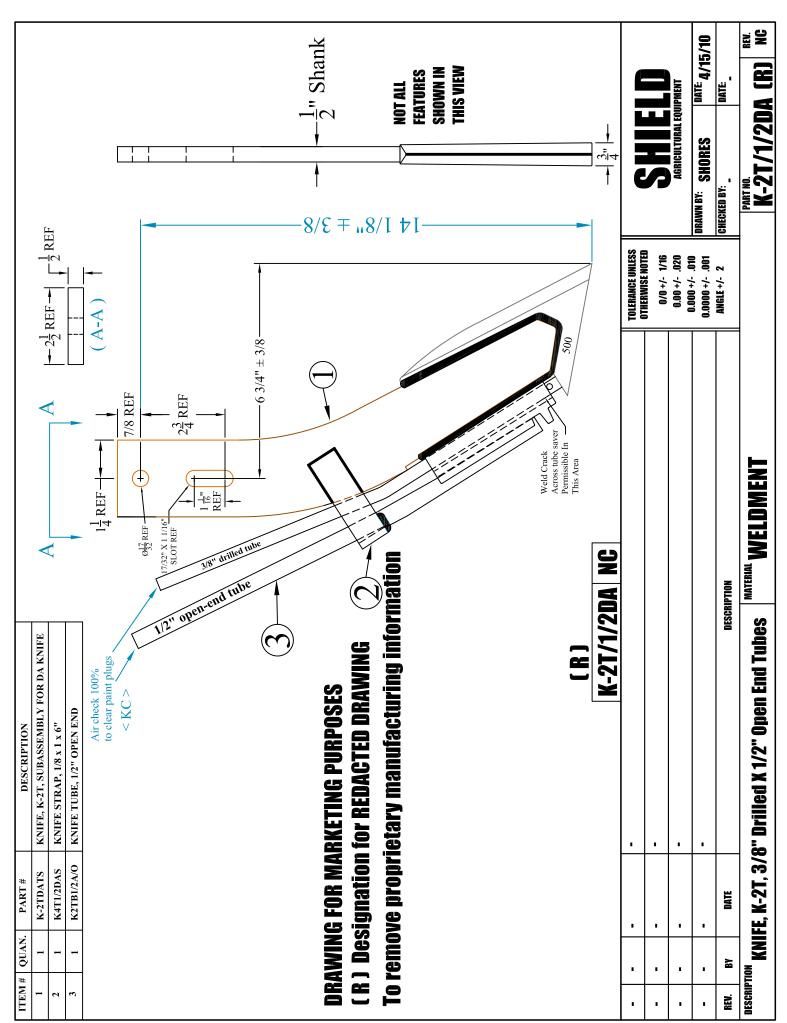


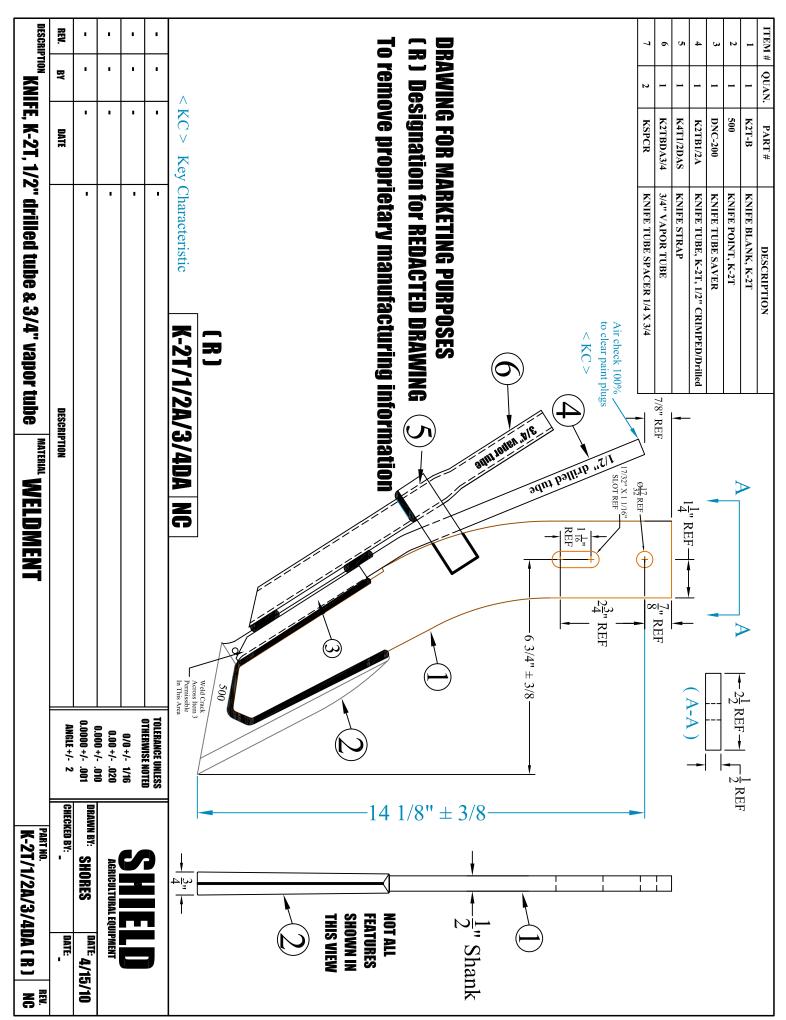


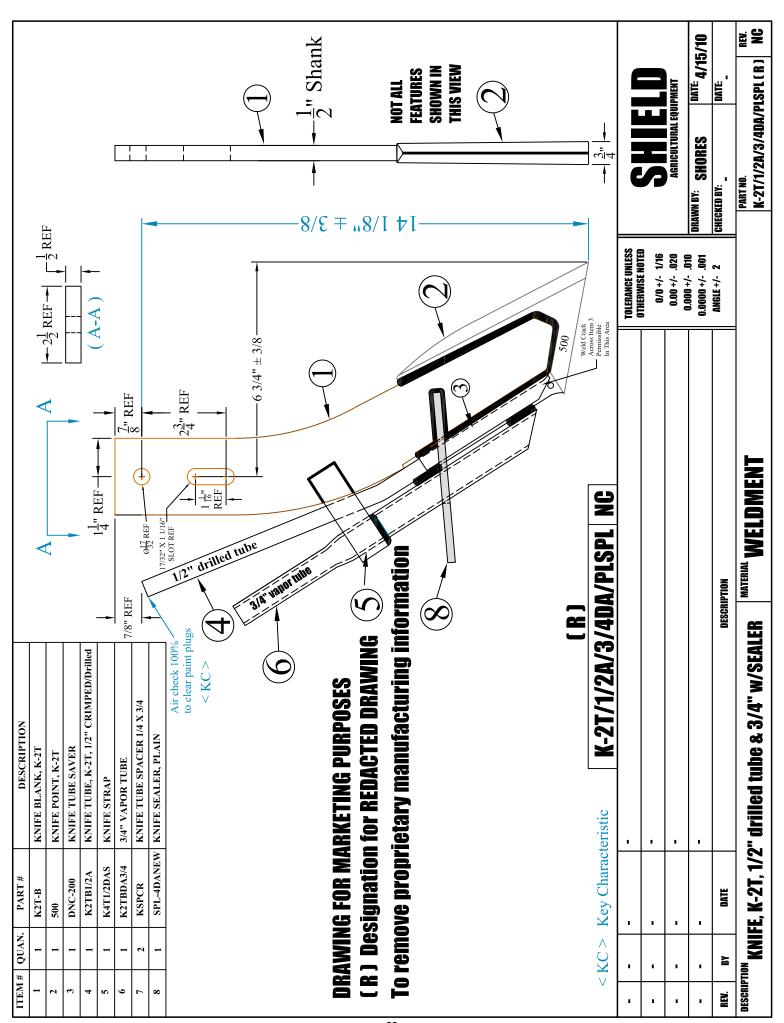


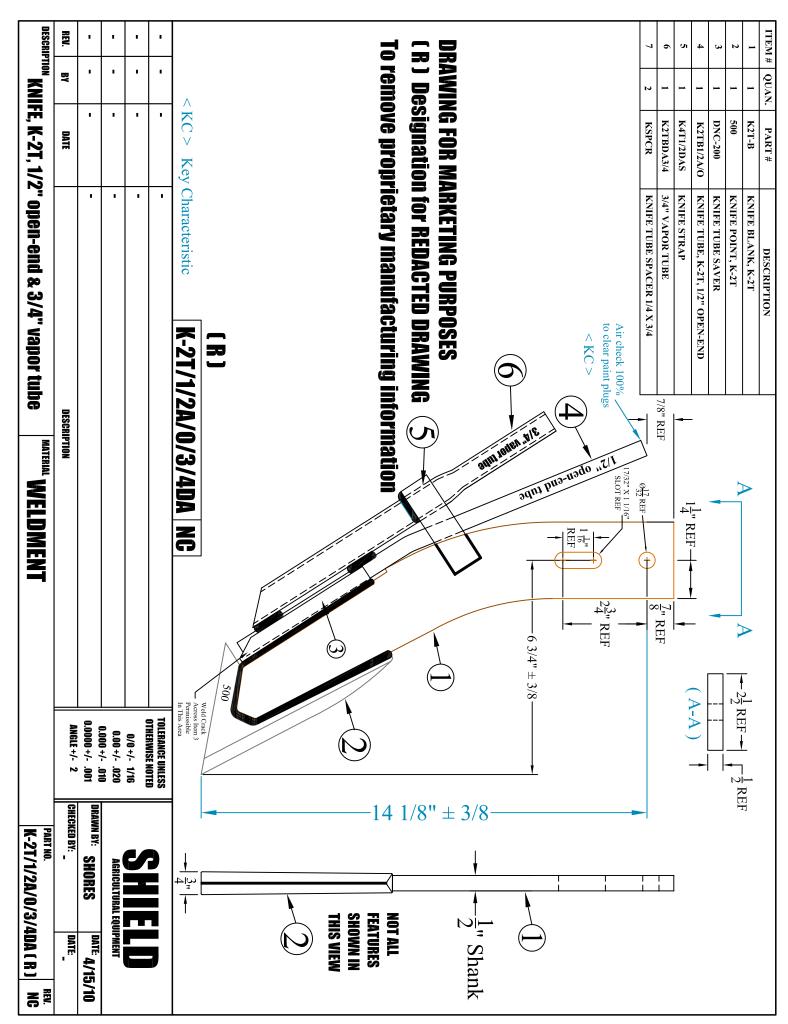


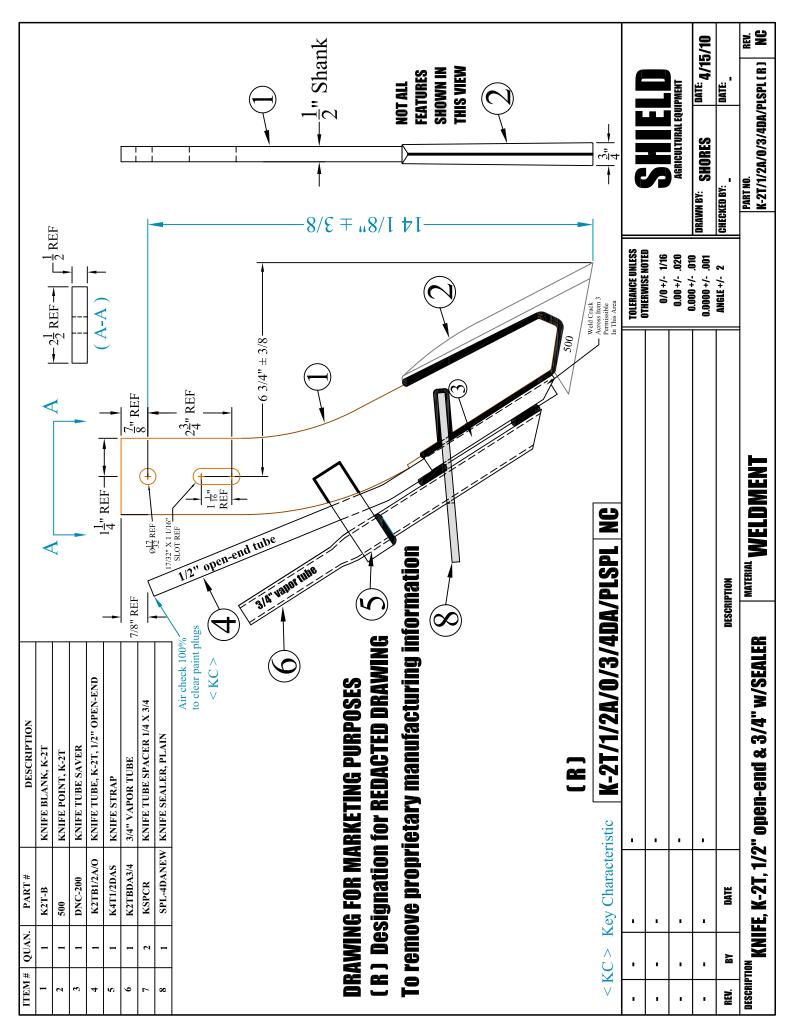


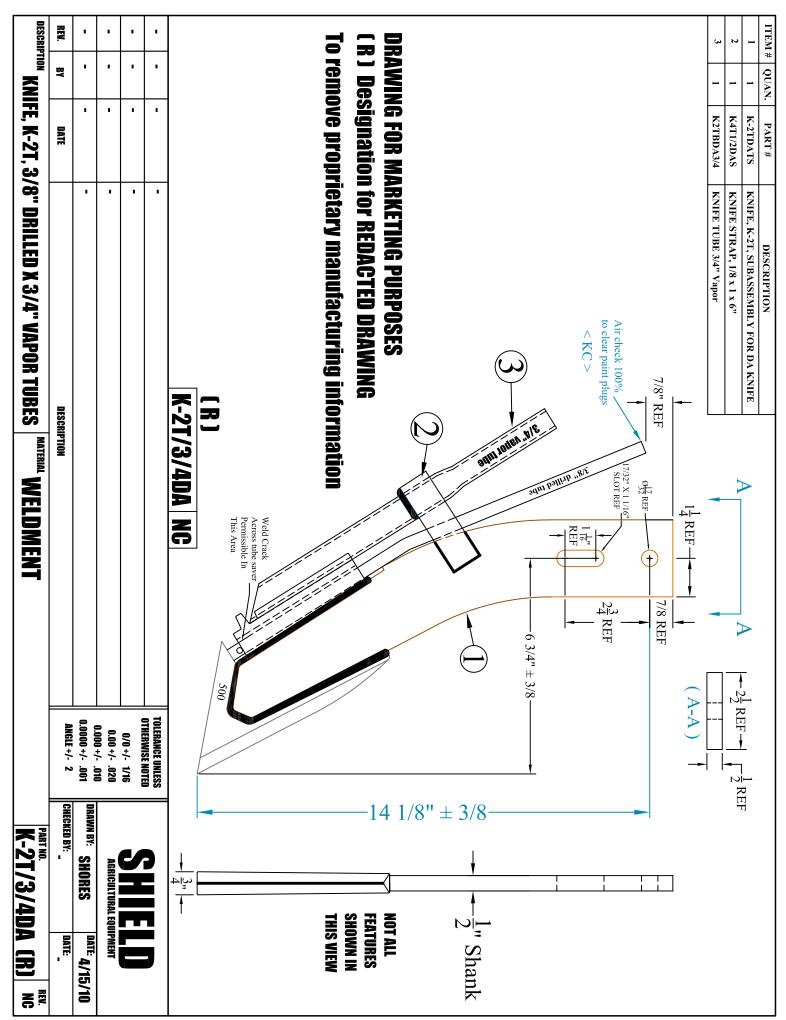


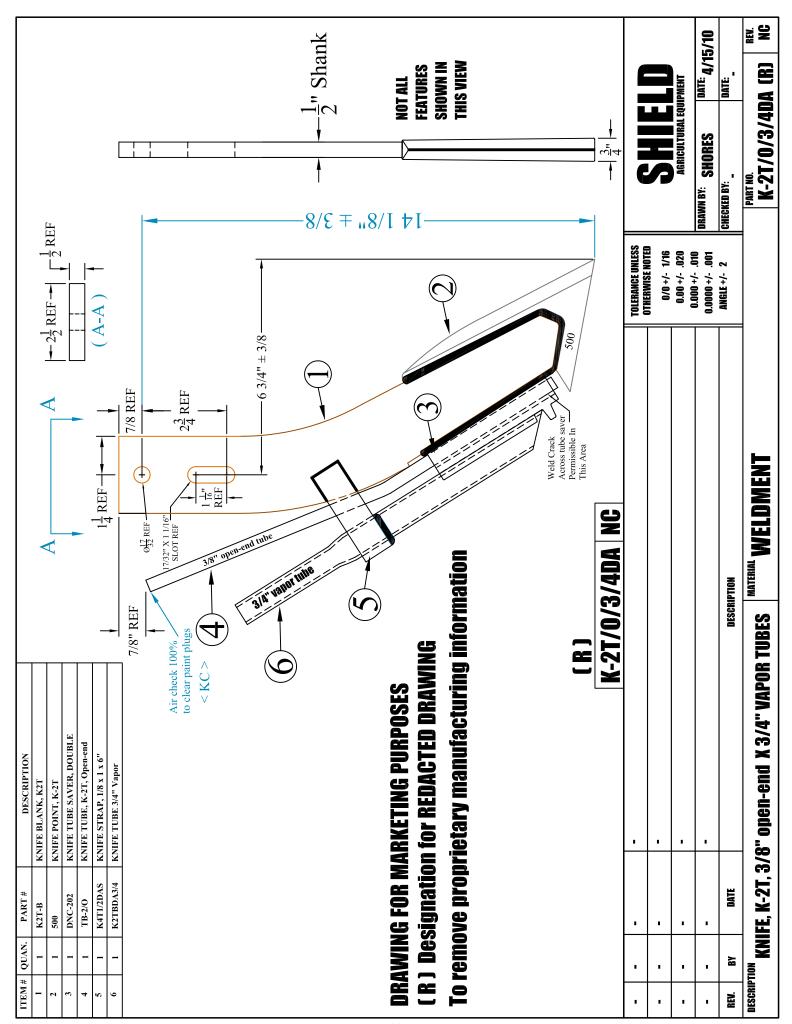


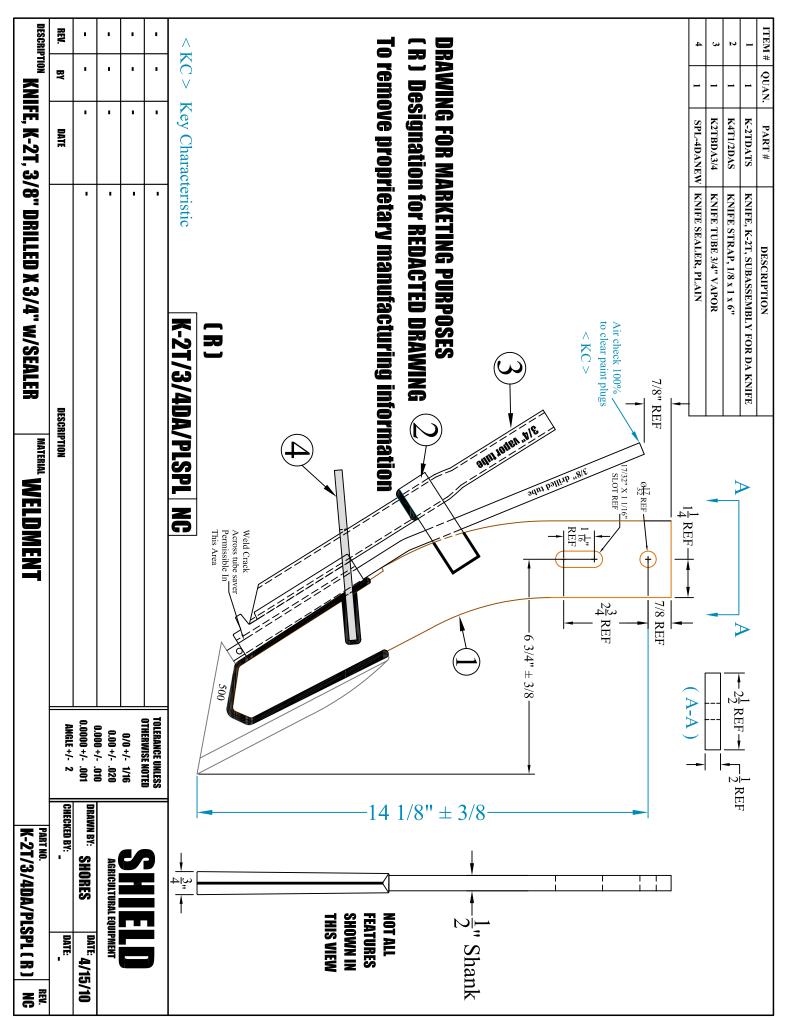


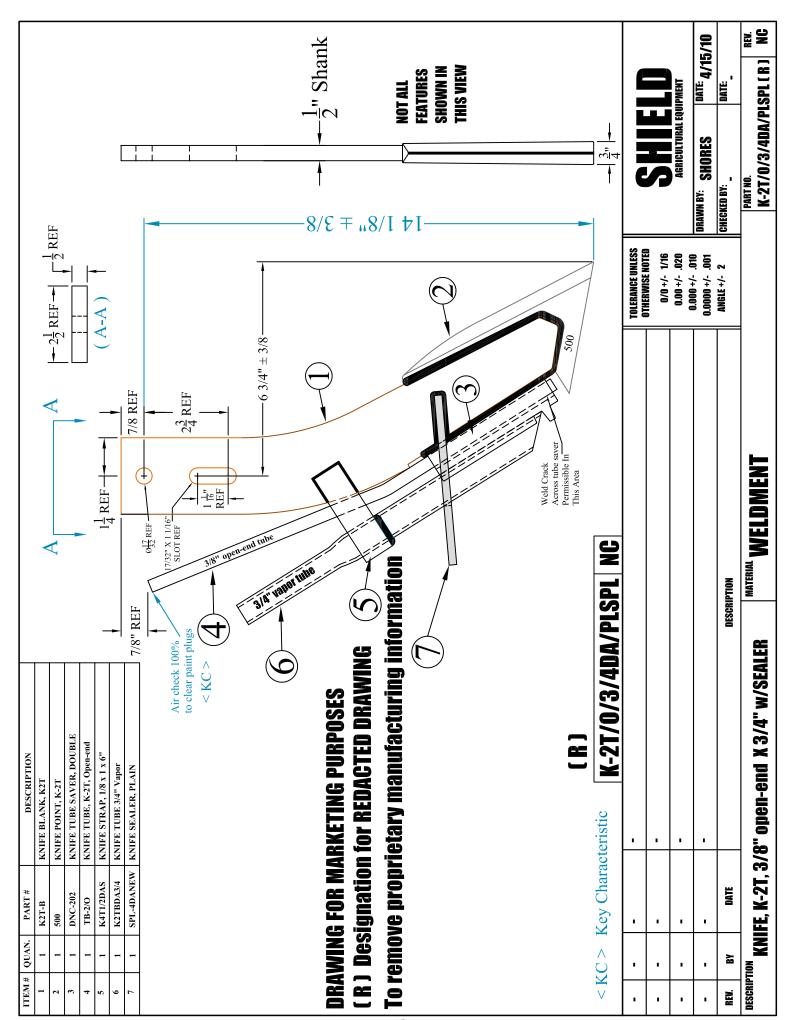


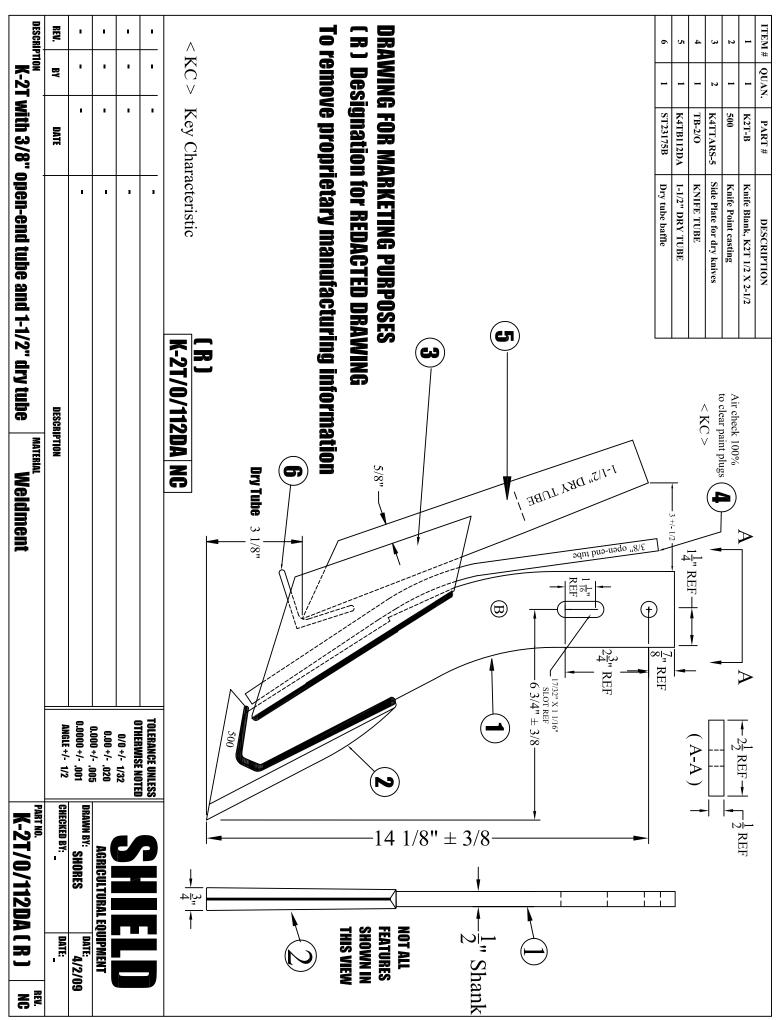


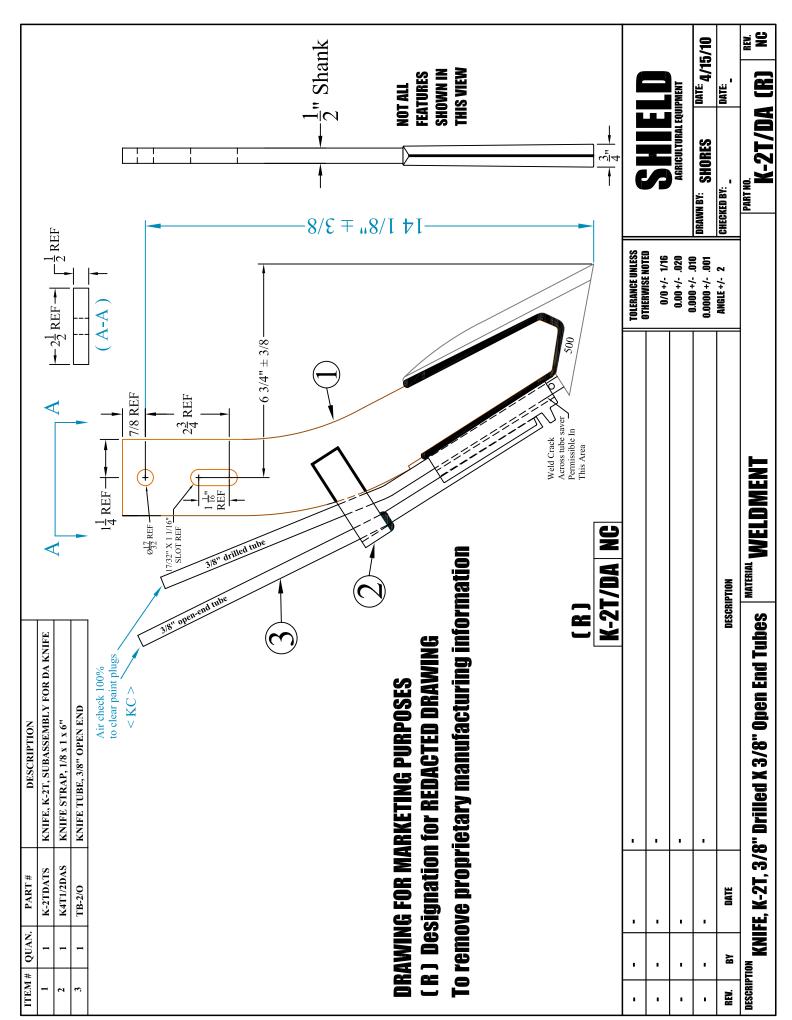


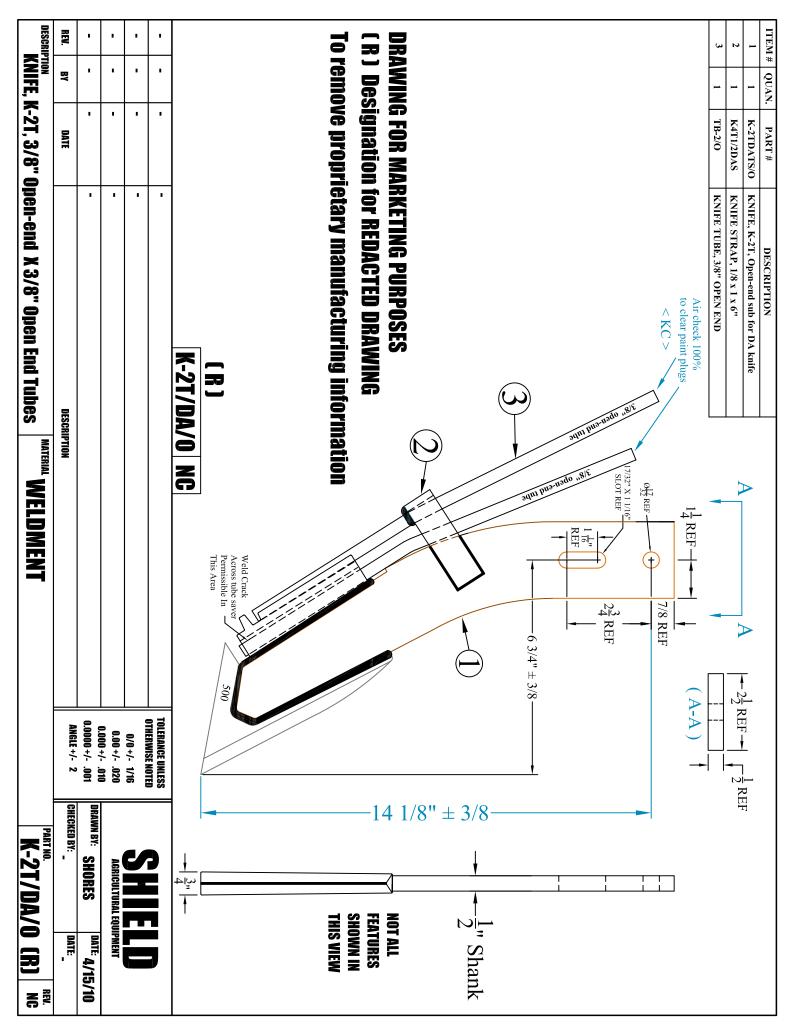


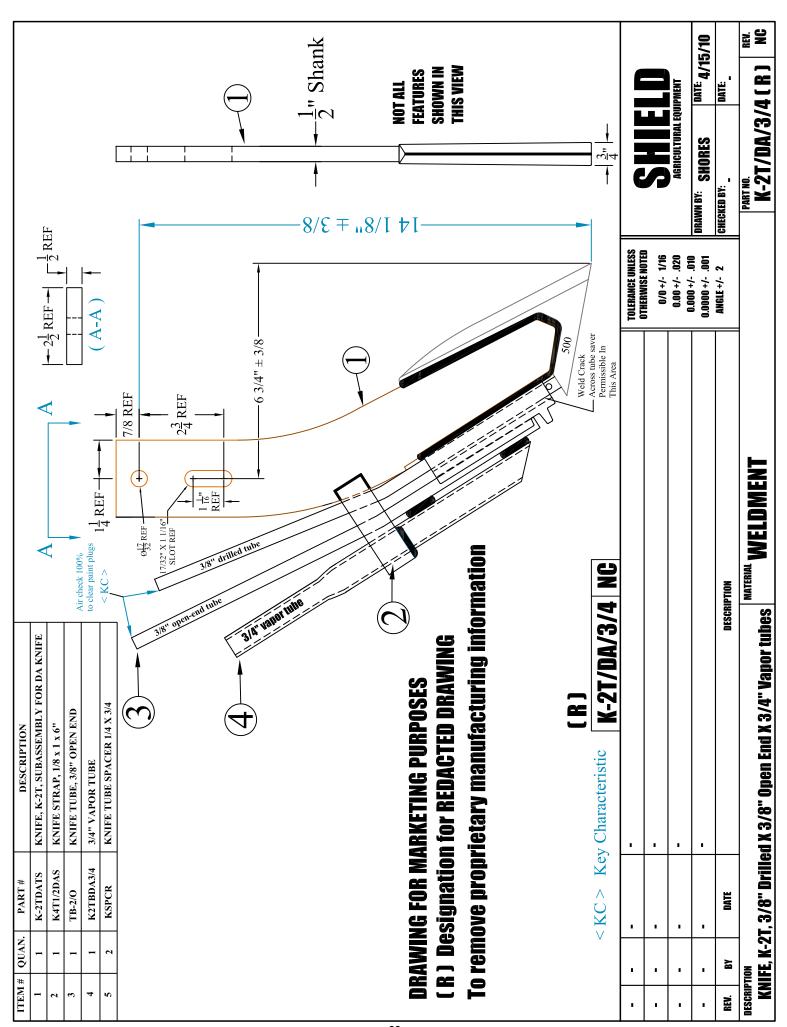


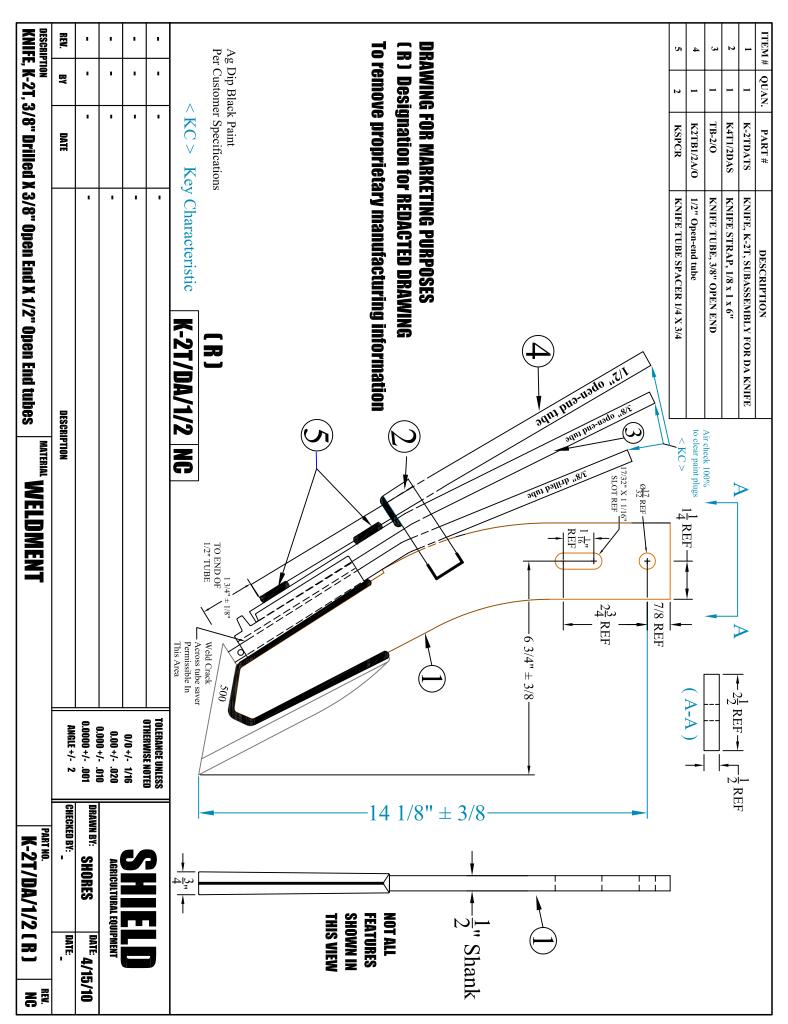


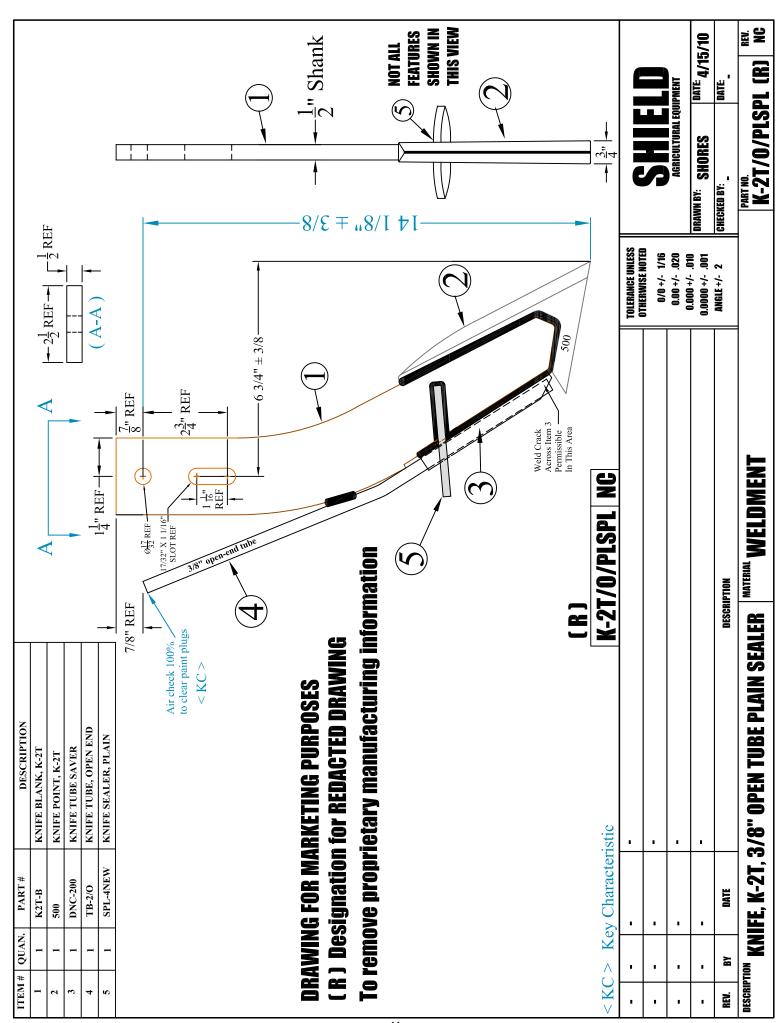


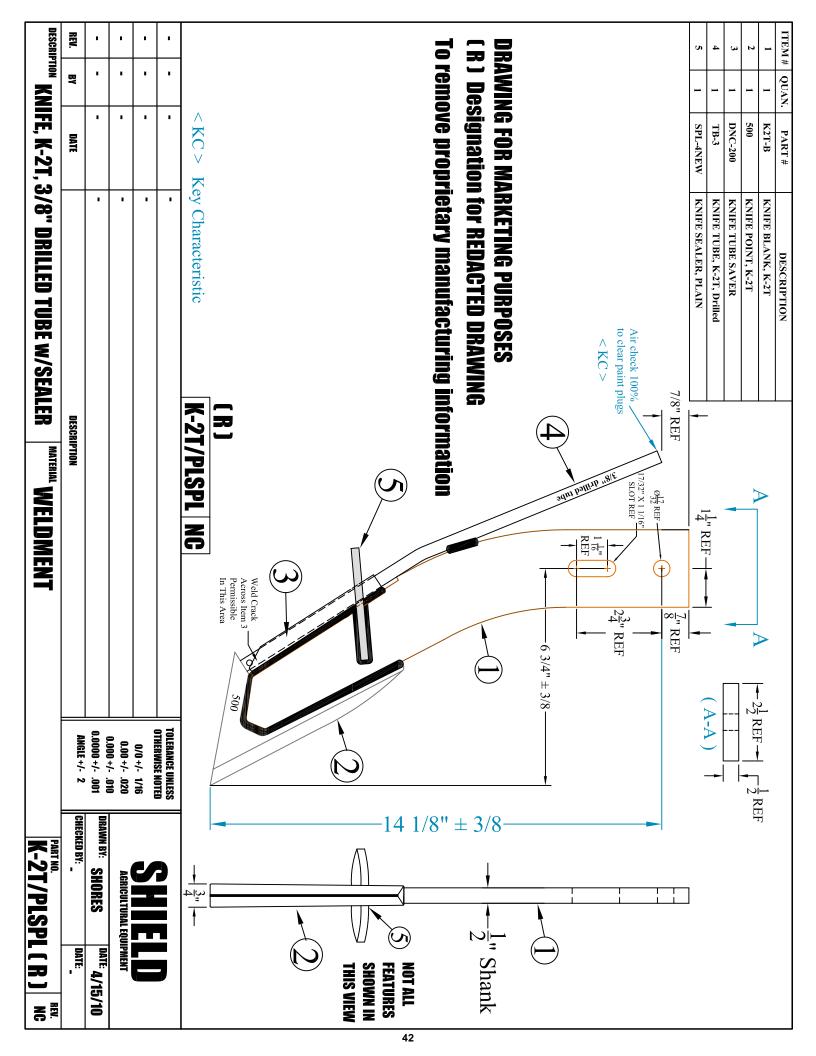


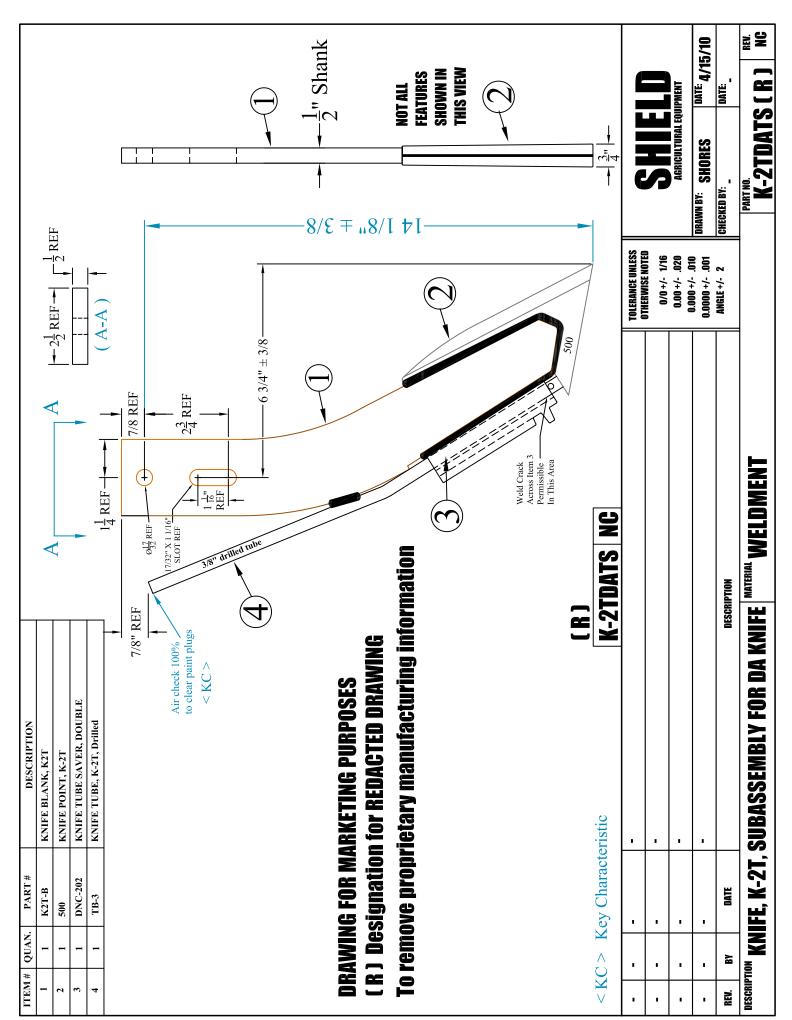


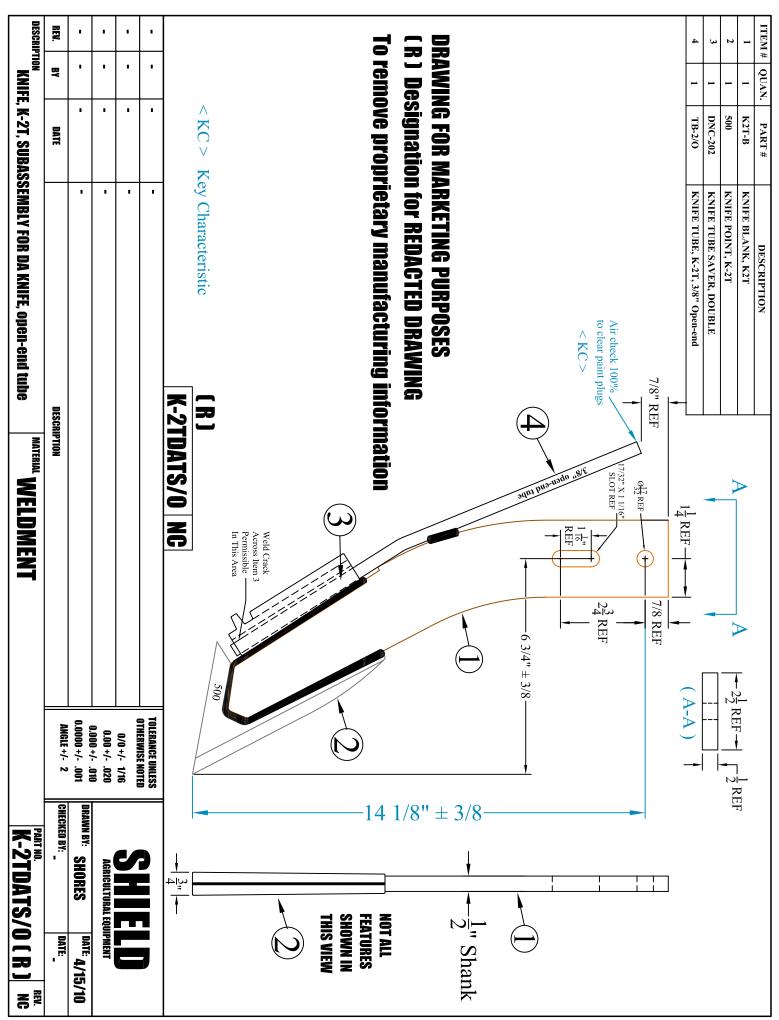


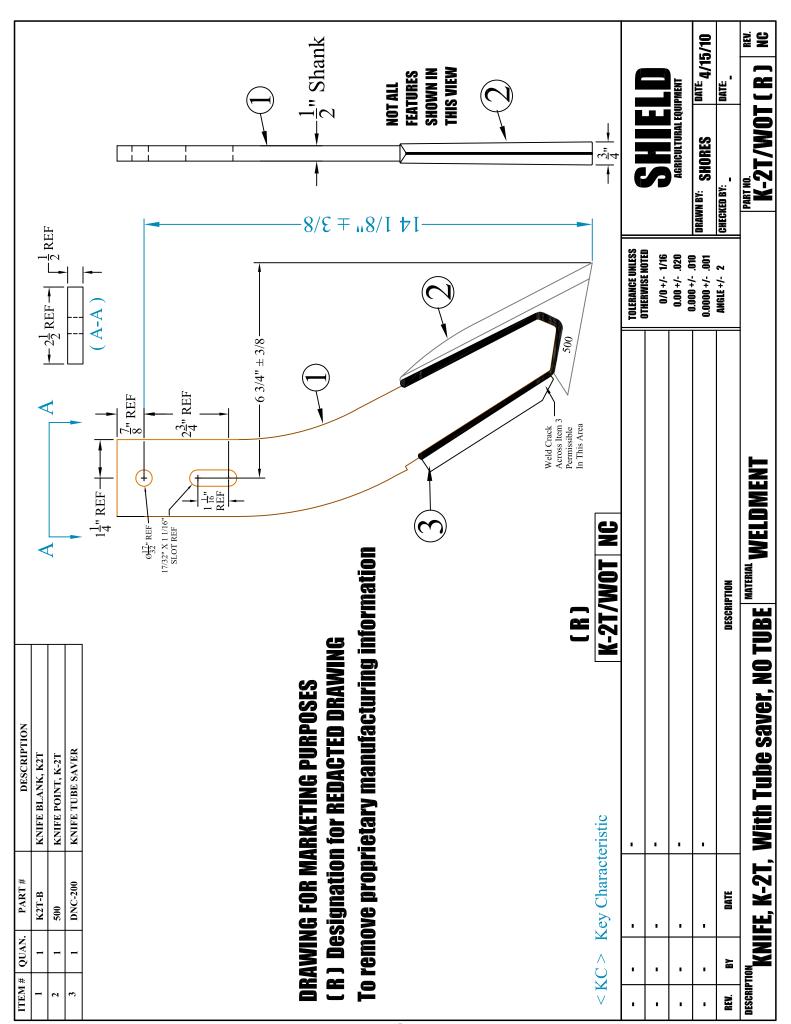








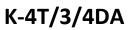




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ShieldAg 800-798-1968 www.shieldag.com





SHIELDAG FRONT SWEPT KNIVES



STANDARD K-4T Forward Swept 1/2" X 2-1/2" X 16" tall knives

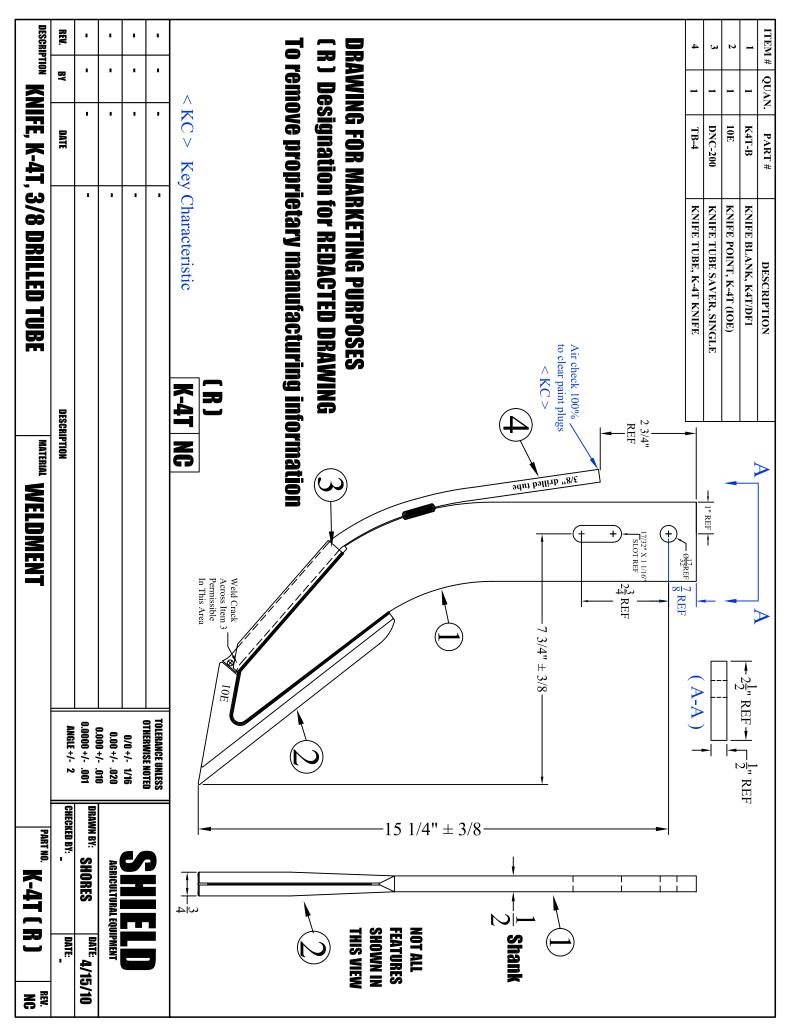
Drawings for knives following this page are in the order shown in this table

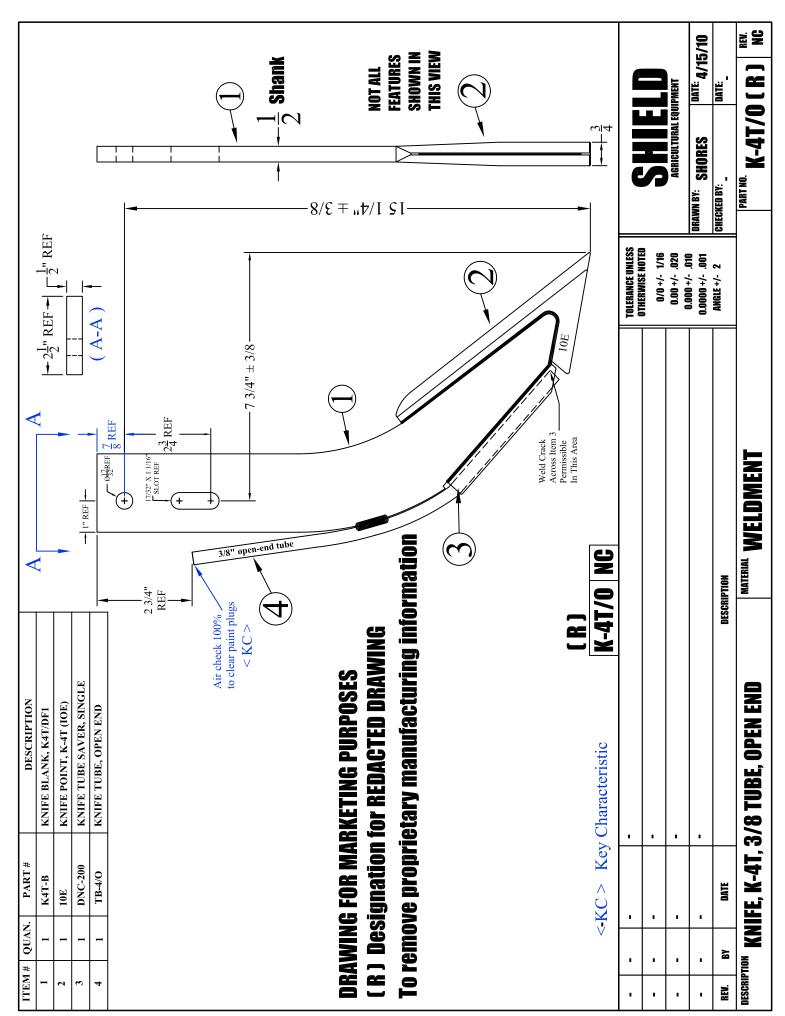
Part #	Description	DRAWING	Weight
K-4T	Single 3/8" NH3 tube	YES	6.6
K-4T/O	Single 3/8" open end tube	YES	6.6
K-4T/1/2A	Single 1/2" NH3 tube	YES	6.7
K-4T/1/2	Single 1/2" Open End tube		6.7
K-4T/1/2A/1/2DA	1/2" NH3 and 1/2" Open end tubes		7.2
K-4T/1/2/HFSPL	Single 1/2" Open End tube, hardfaced sealer		7.6
K-4T/1/2A/HFSPL	Single 1/2" NH3 tube, hardfaced sealer		7.6
K-4T/1/2A/PLSPL	Single 1/2" NH3 tube with plain sealer		7.5
K-4T/1/2DA	3/8" NH3 & 1/2" open end tubes		7.4
K-4T/1/2DA/HFSPL	3/8" NH3 & 1/2" open end tubes and hardfaced sealer		7.9
K-4T/3/4DA	3/8" NH3 & 3/4" open end tubes	YES	7.4
K-4T/3/4DA/PLSPL	3/8" NH3 & 3/4" open end tubes and plain sealer		7.9
K-4T/3/4DA/HFSPL	3/8" NH3 & 3/4" open end tubes and hardfaced sealer		8.0
K-4T/1/2A/3/4DA	1/2" NH3 & 3/4" vapor tubes		7.6
K-4T/DA	3/8" NH3 & 3/8" open end tubes	YES	7.2
K-4T/DA/O	Dual 3/8" open end tubes		7.2
K-4T/DA/HFSPL	3/8" NH3 & 3/8" open end tubes with hardfaced sealer		7.7
K-4T/DA/PLSPL	3/8" NH3 & 3/8" open end tubes with plain sealer		7.6
K-4T/HFSPL	Single 3/8" tube with hardfaced sealer		7.4
K-4T/O/112DA	K-4T Strip Till with 3/8O & 1-1/2" dry tubes STRIP TILL		8.4
K-4T/O/112DA/HF	K-4T Strip Till with 3/8O & 1-1/2" dry tubes STRIP TILL XTRA hardmetal		8.6
K-4T/O/112DA/HF/3/4	Strip till with 3/8OX3/4VX1-1/2 dry STRIP TILL XTRA hardmetal		9.3
K-4T/112	K-4T Strip Till with 1-1/2" dry tube only STRIP TILL w/o hard metal		8.2
K-4T/O/114DA	K-4T Strip Till with 3/8O & 1-1/4" dry tubes CONVENTIONAL		7.8
K-4T/PLSPL	Single 3/8" tube with plain sealer	YES	7.3
K-4TDATS	Knife shank with dual app tube saver and 3/8" NH3 tube	YES	6.7

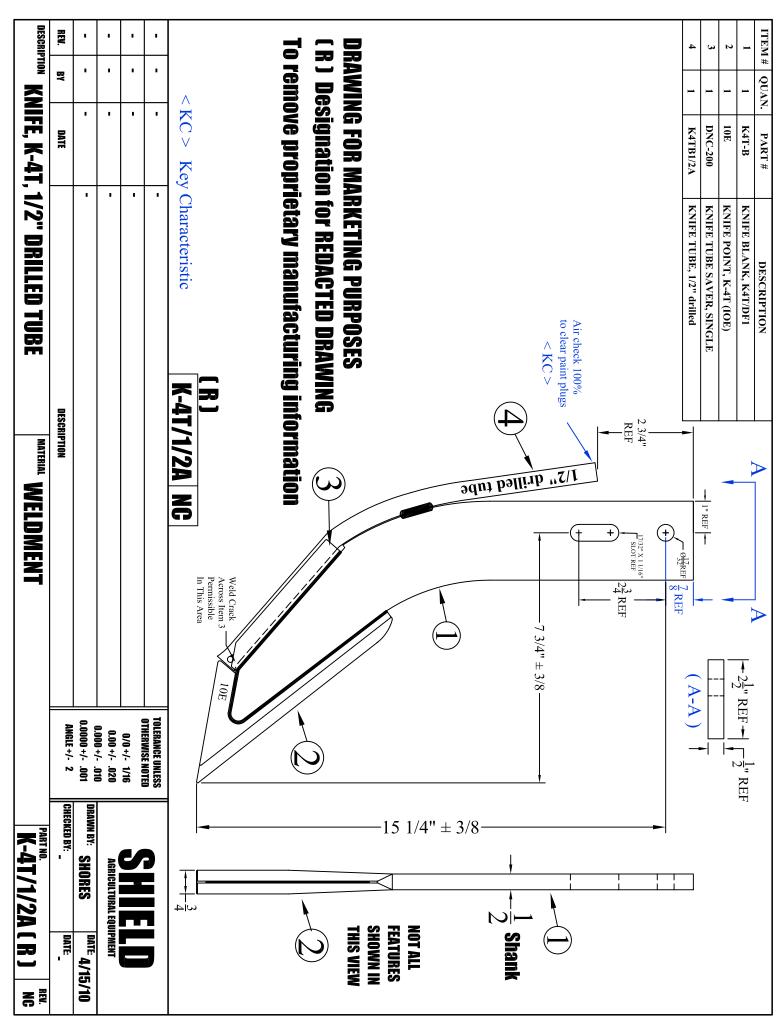
Part #	Replacement Parts for K-4T Knives	Weight
IOE	Knife point	0.92
DNC-200	Single tube saver	0.35
DNC-202	Dual tube saver	0.56
TB-4	3/8" tube drilled	0.30
TB-4/O	3/8" tube open end	0.30
TB-2/O	3/8" tube open end	0.30
K4TB1/2	1/2" tube open end	0.53
K2TB/1/2A	1/2" tube drilled	0.53
K4TB.5DA	1/2" tube open end	0.53
K2TBDA3/4	3/4" tube open end	0.74
SPL-4/HF	Hardfaced sealer, will fit single & dual app tubes to 1/2"	0.80
SPL-4NEW	Plain sealer, will fit single & dual app tubes to 1/2"	0.60
K4T1/2DAS	Knife strap for adding secondary tubes	0.06
KTWS-01	4-segment chrome extension for knife front	0.34

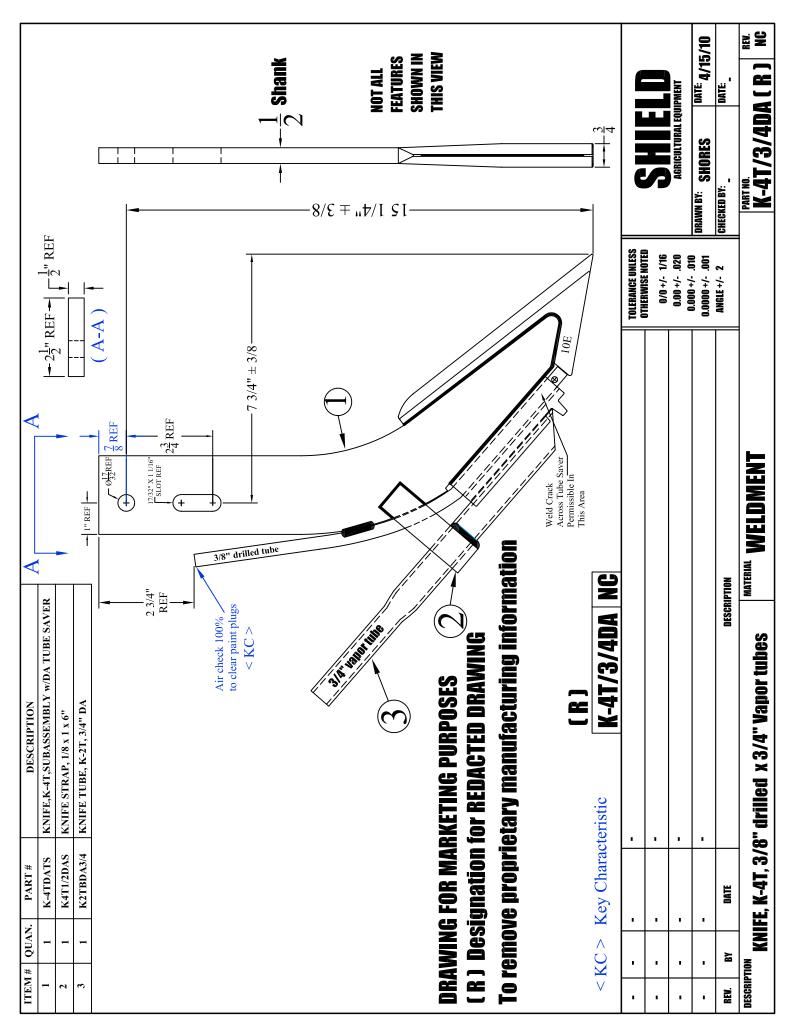
NEED A SPECIAL KNIFE FOR YOUR APPLICATION? WE CAN DO IT !!

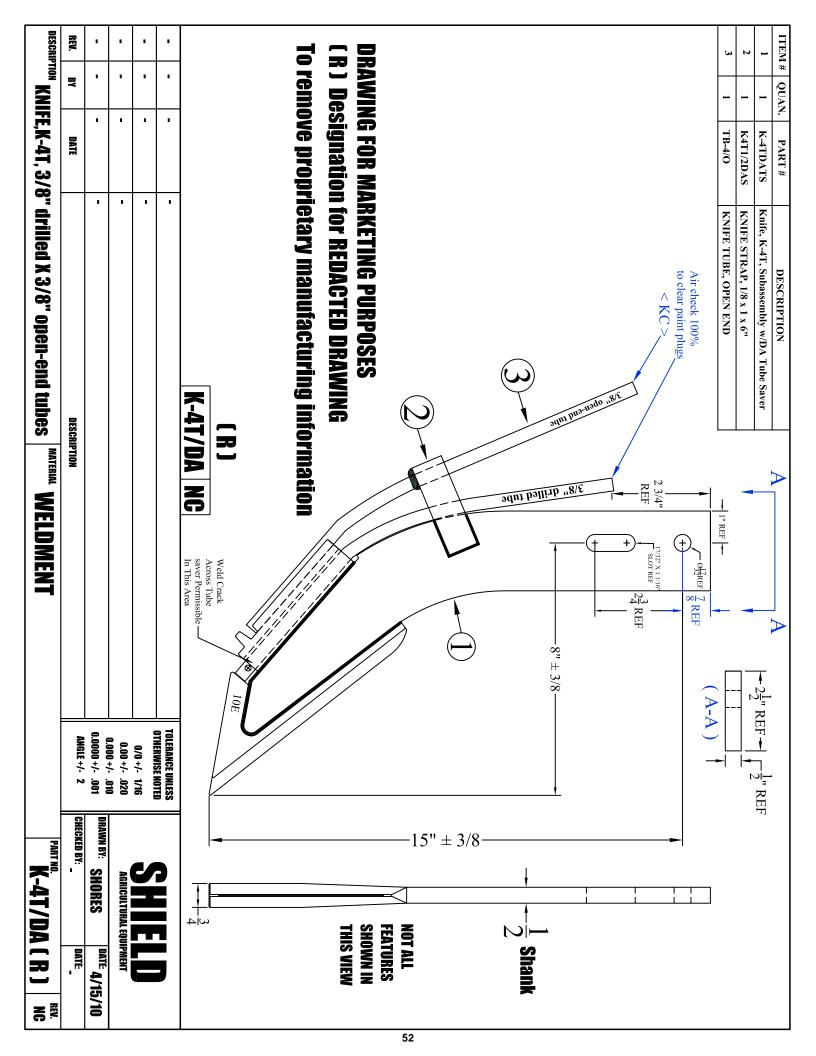
OUR CATALOG IS AVAILABLE ON LINE AT WWW.SHIELDAG.COM

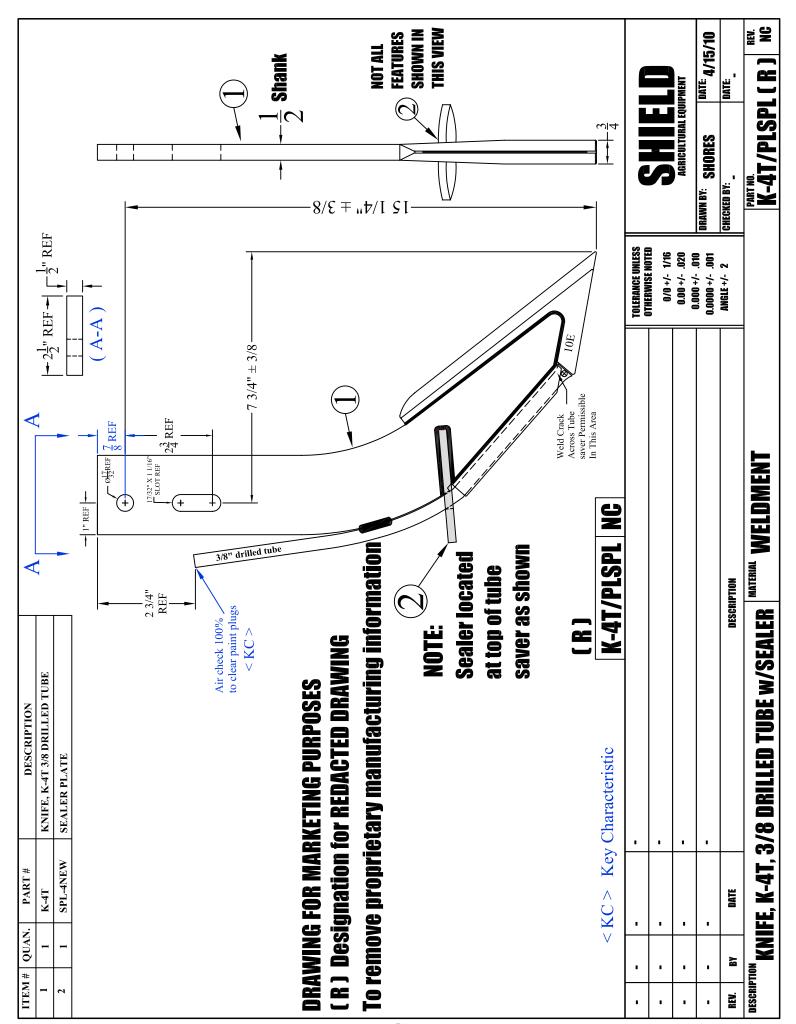


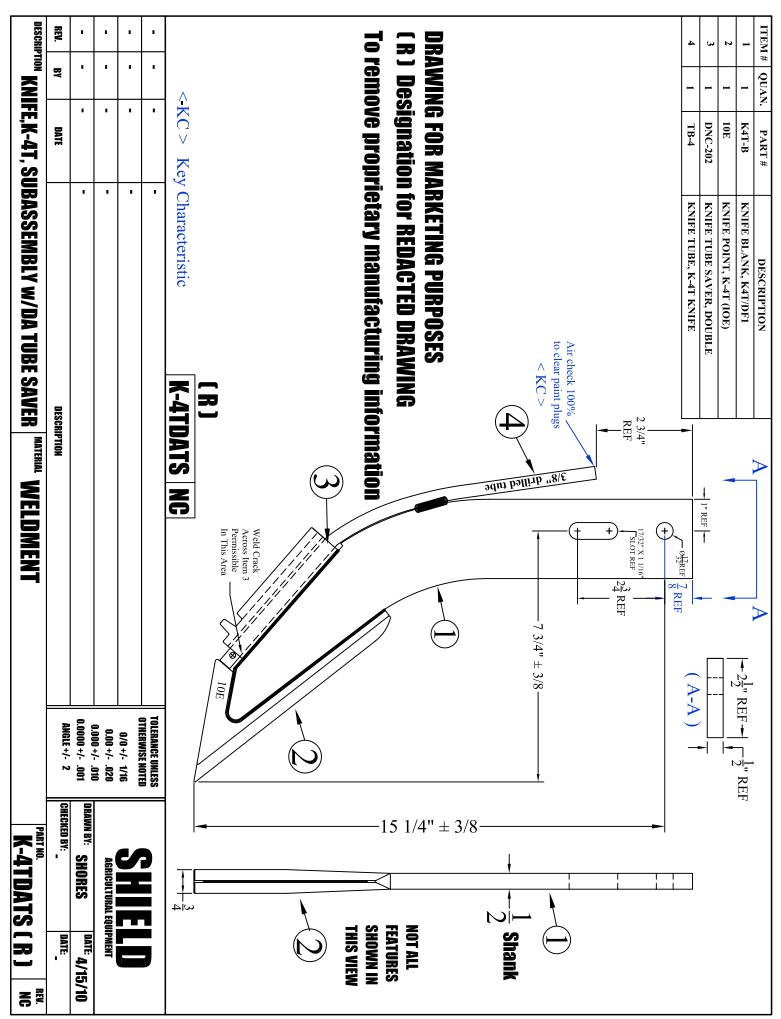








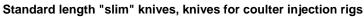






K-4TSBS

Widest selection of narrow profile knives in the industry!!



"high-speed" knives for standard applicators



Drawings for knives following this page are in the order shown in this table

Part #	Description	DRAWING	Weight
K-4TS	Single 3/8" NH3 tube	YES	5.5
K-4TS/O	Single 3/8" open-end tube	YES	5.5
K-4TS/1/2A	Single 1/2" NH3 tube	YES	5.6
K-4TS/1/2A/PLSPL	Single 1/2" NH3 tube with sealer	YES	5.9
K-4TS/1/2DA	Dual 3/8" NH3 & 1/2" open end tubes		6.5
K-4TS/3/4DA	Dual 3/8" NH3 & 3/4" open end tubes	YES	6.6
K-4TS/DA	Dual 3/8" NH3 & 3/8" open end tubes	YES	6.4
K-4TS/DA/PLSPL	Dual 3/8" NH3 & 3/8" open end tubes with sealer		6.8
K-4TS/HFSPL	Single 3/8" NH3 tube with hardfaced sealer		6.0
K-4TS/PLSPL	Single 3/8" NH3 tube with sealer	YES	5.9
K-4TS/PLSPL/LOWER	Single 3/8" NH3 tube with sealer lower position		5.9

Knives designed specifically for coulter injection rigs, lengths vary

Part #	Description	DRAWING	Weight
K-336070147BB	Boron Steel thin knife for DMI coulter rigs	YES	4.2
K-336070147BBST	Boron Steel thin knife for DMI coulter rigs with SURFA SHIELD	YES	4.6
K-5S	Thin Chrome knife for coulter injection systems	YES	4.8
K-5SB	Boron Steel thin knife for coulter injection rigs	YES	4.0
K-5SBSST	Boron Steel knife with SURFA SHIELD	YES	4.4
K-5SB/HF	Boron Steel thin knife for coulter injection rigs, hardfaced	YES	4.2
K-5SHDWRFKIT	Hardware kit for thin knives, includes cushion	YES	1.0

Slim (5/16" thick) high speed 13" tall knives for high speed NH3 and liquid applicators

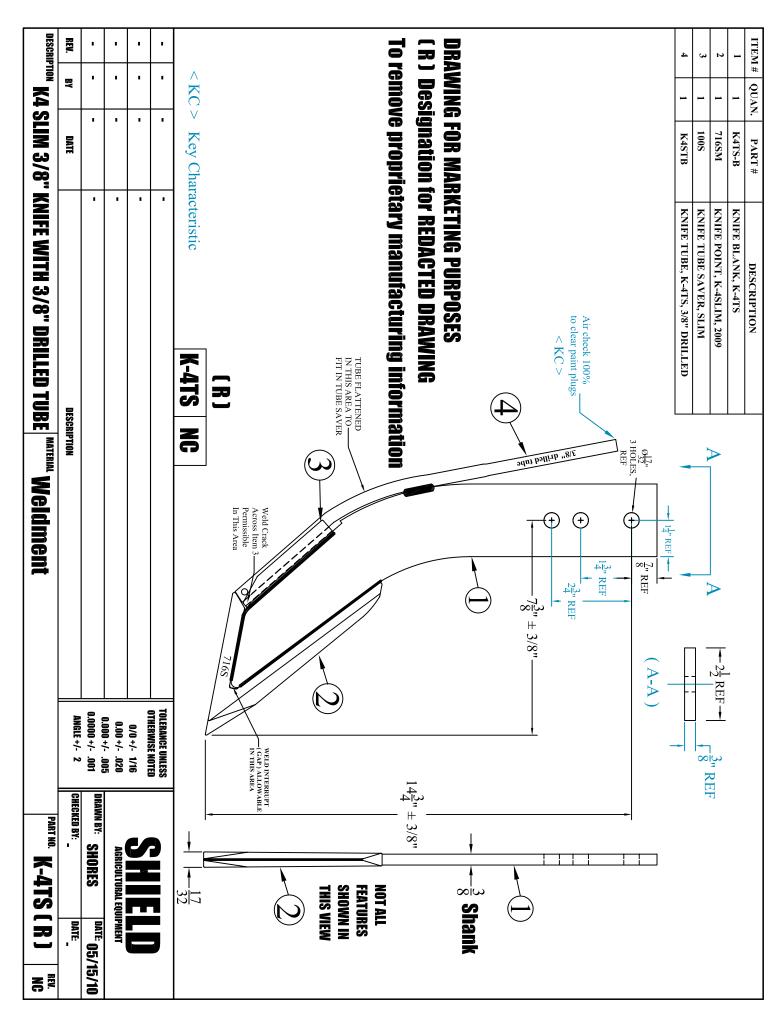
Part #	Description	DRAWING	Weight
K-6S	Slim (high speed) knife with 3/8" NH3 tube	YES	5.5
K-6S/DA	Slim (high speed) knife with dual 3/8" tubes	YES	6.0
K-6S/3/4DA	Slim (high speed) knife with 3/8" NH3 tube and 3/4 vapor tube	YES	6.4
K-6S/DA/3/4DA	Slim (high speed) knife with dual 3/8" tubes and 3/4 vapor tube	YES	6.9

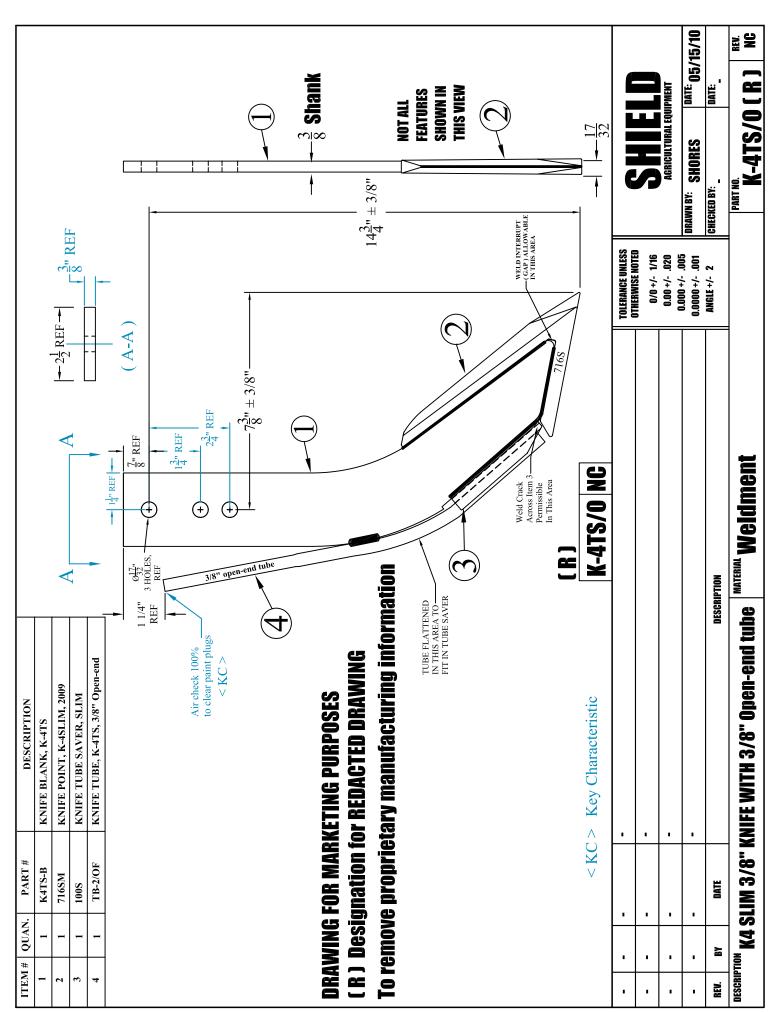
SEE OUR FERTILIZER CATALOG FOR HIGH SPEED PACKER WHEEL ASSEMBLIES DESIGNED TO ADAPT TO CONVENTIONAL RIGS!!

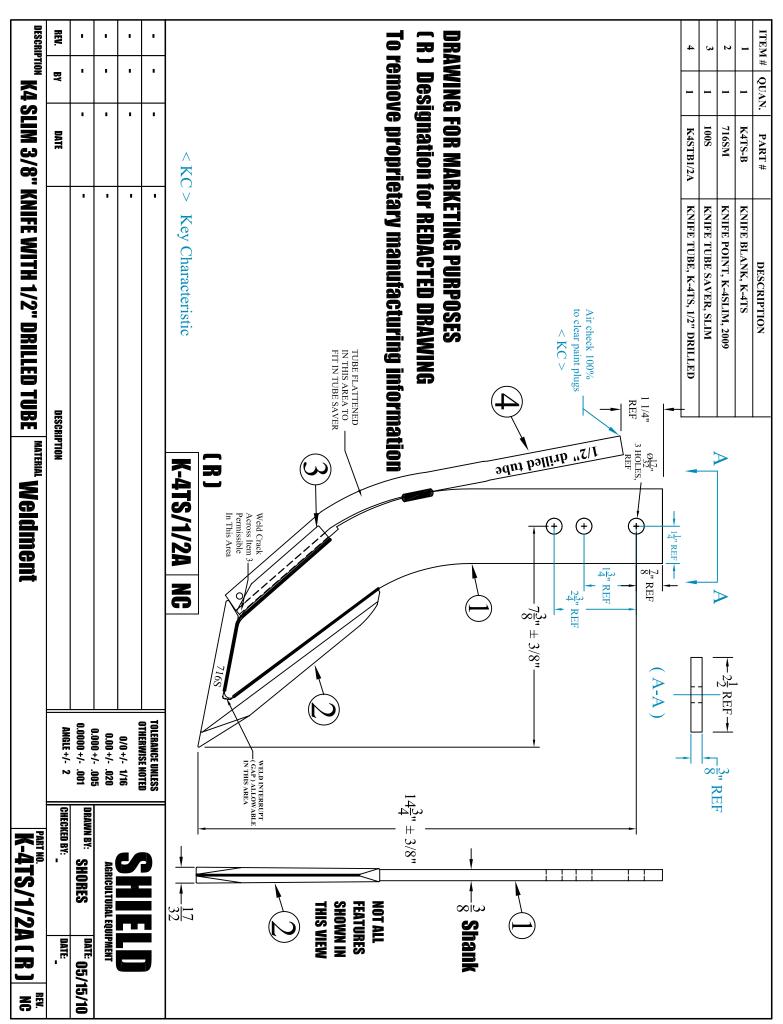
Part #	Replacement Parts for K-4TS "Slim" Knives	Weight
716SM	Knife point	0.73
100S	Single tube saver	0.22
100DS	Dual tube saver	0.35
K4STB	3/8" tube drilled	0.30
K4STB1/2A	1/2" tube drilled	0.50
K4TB.5DA	1/2" tube open end	0.50
K2TBDA3/4	3/4" tube open end	0.70
TB-2/O	3/8" tube open end	0.30
SPL-4SNEW	Plain sealer	0.50
SPL-4S/HF	Hardfaced sealer	0.60

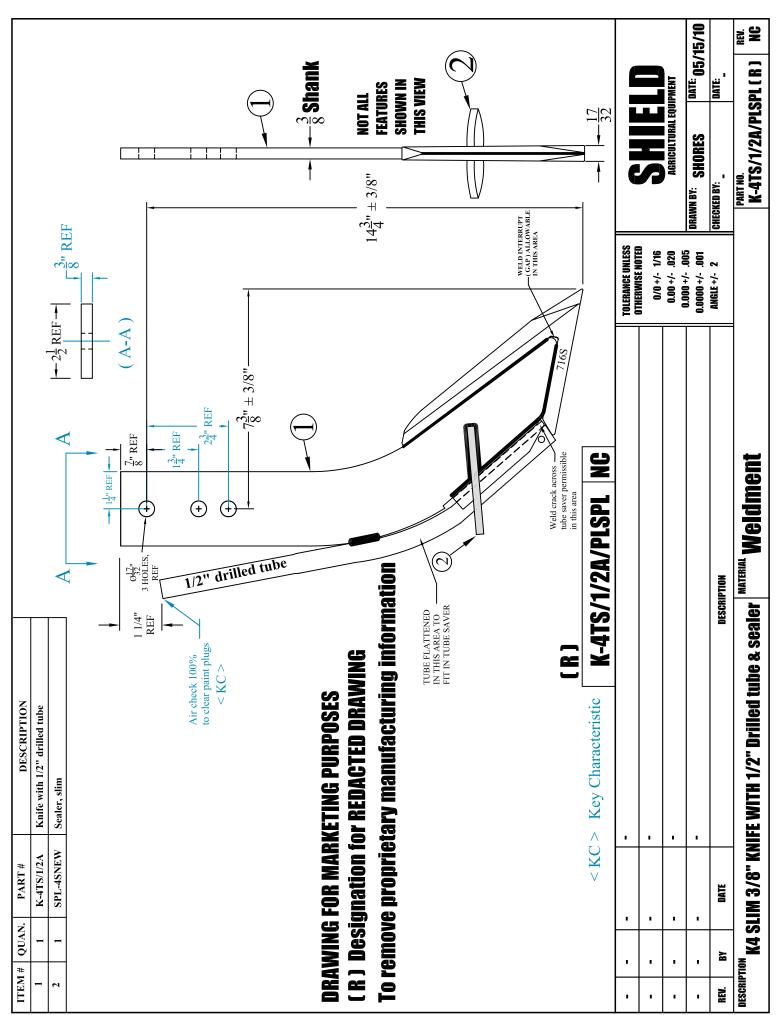
K-4TSBS "Slim" Backswept Knives

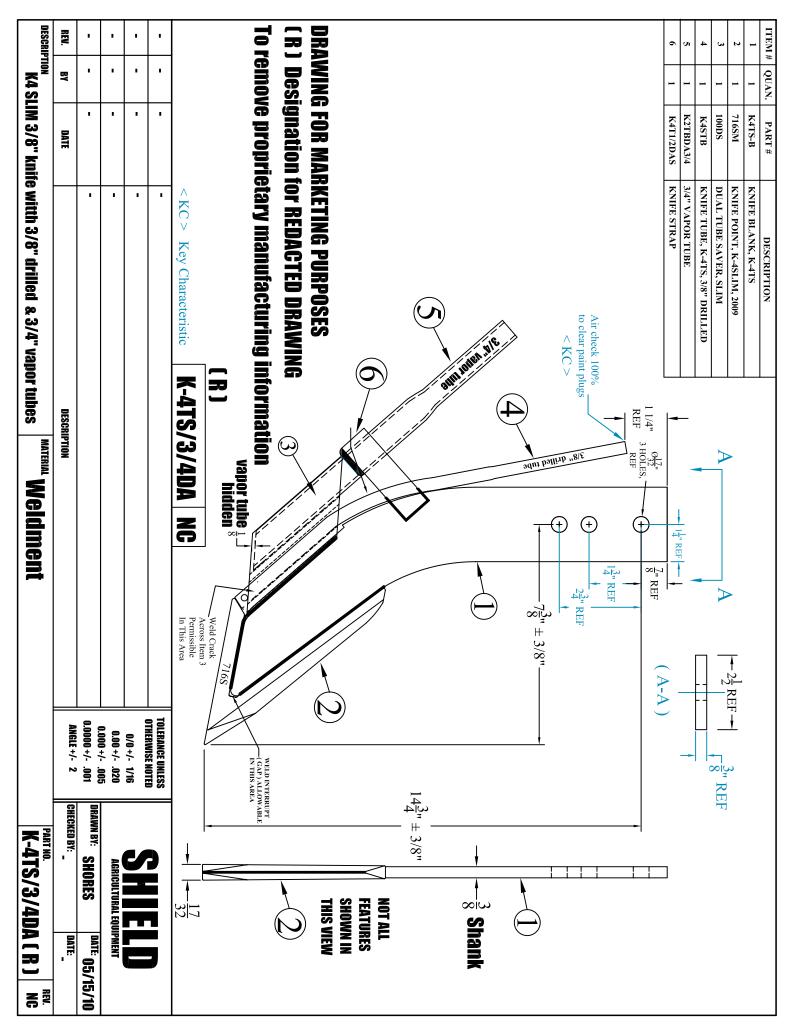
Part #	Description	DRAWING	Weight
K-4TSBS	14" Tall 3/8" Backswept knife with 3/8" Tube		3.8
K-4TSBSS	14" Tall 3/8" Backswept knife with 3/8" StainlessTube		3.8
K-4TSBS/BORON	Forged 14" Tall 3/8" Backswept knife with 3/8" Tube	YES	3.5
K-4TSBS/BSST	Forged 14" Tall 3/8" Backswept knife with 3/8" Tube with SURFA SHIELD	YES	3.6
K-4TSBSS/1/2A	14" Tall 3/8" Backswept knife with 1/2" StainlessTube, open end		3.9
K-4TTSBS	17" Tall 3/8" Backswept knife with 3/8" Tube		5.0
K-4TTSBSS	17" Tall 3/8" Backswept knife with 3/8" Stainless Tube		5.0
K-4TTSBSS/1/2A	17" Tall 3/8" Backswept knife with 1/2" Stainless Tube		5.1

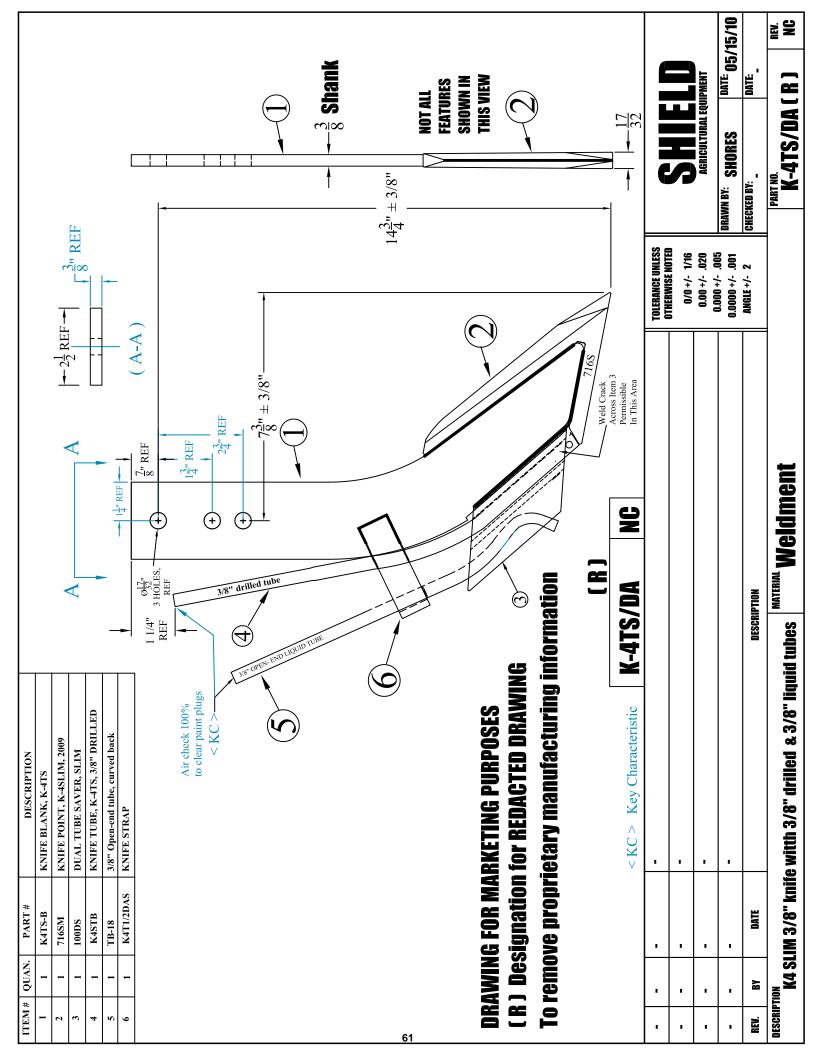


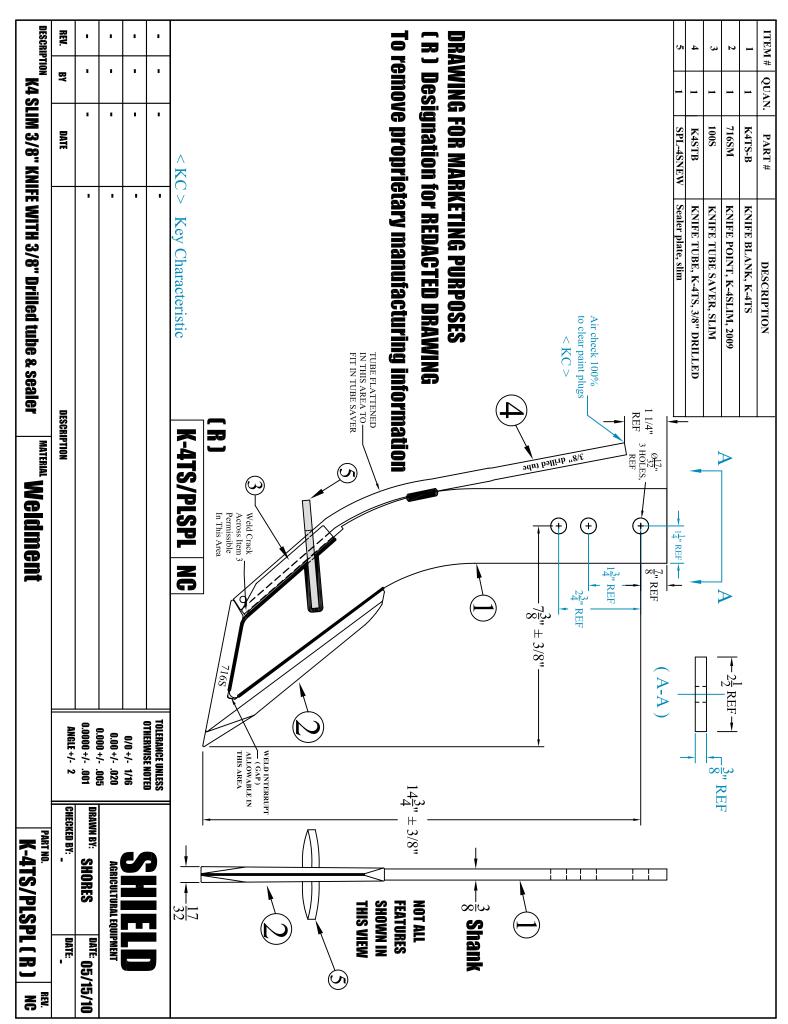


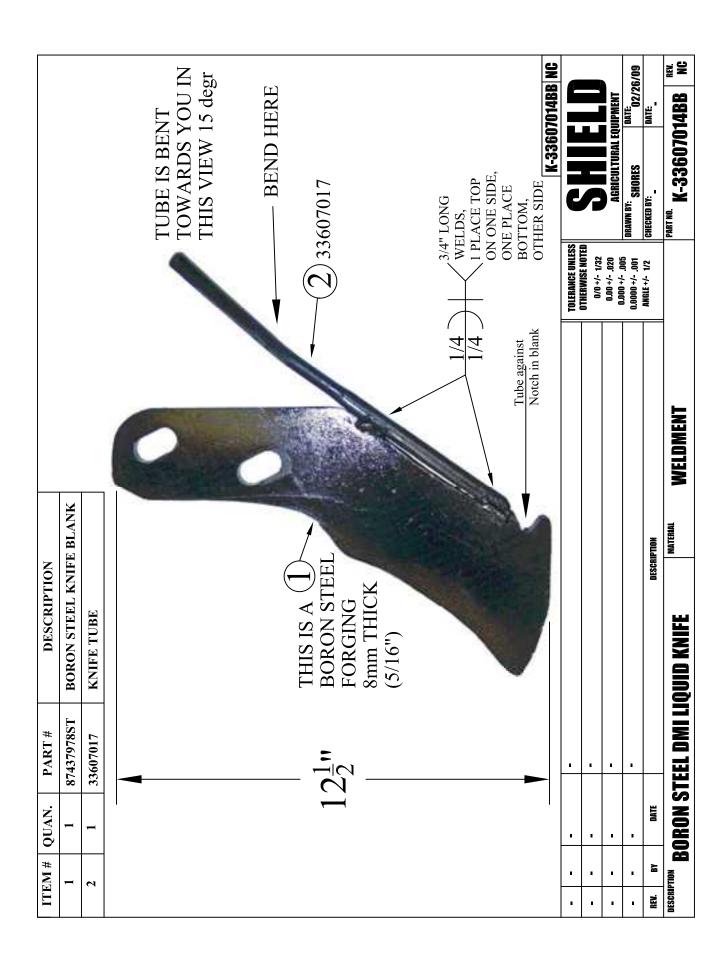


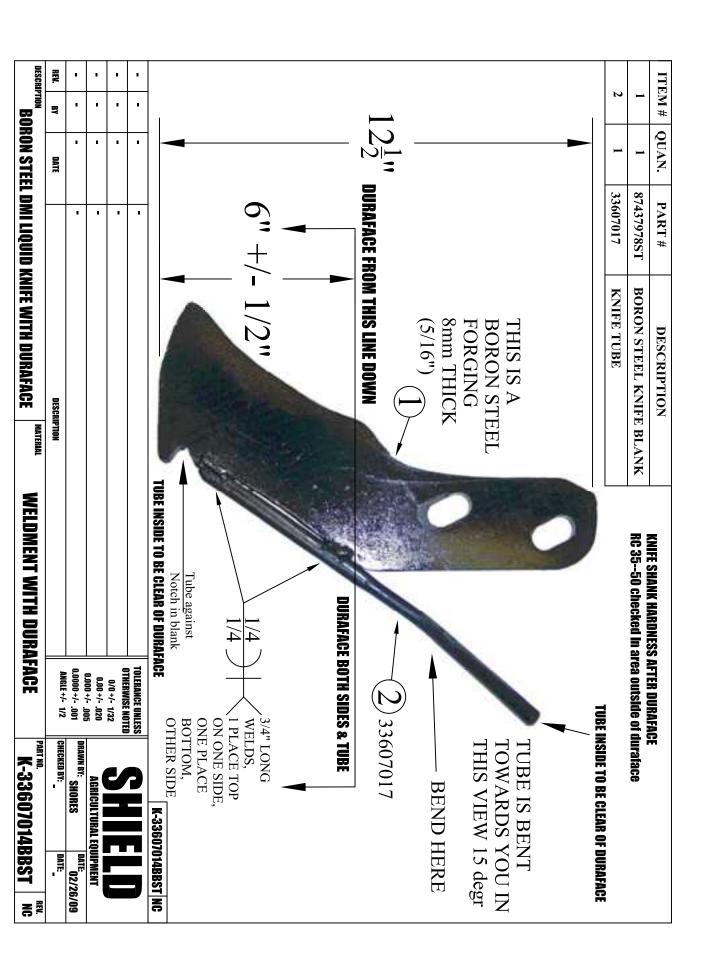


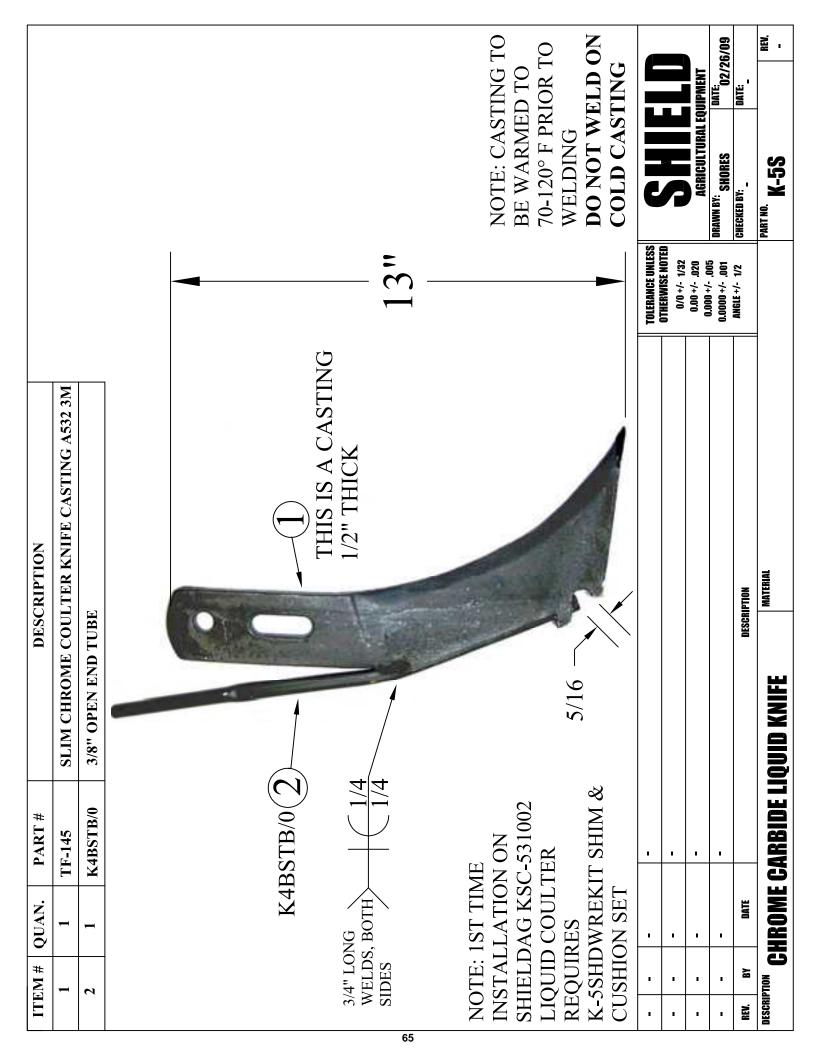


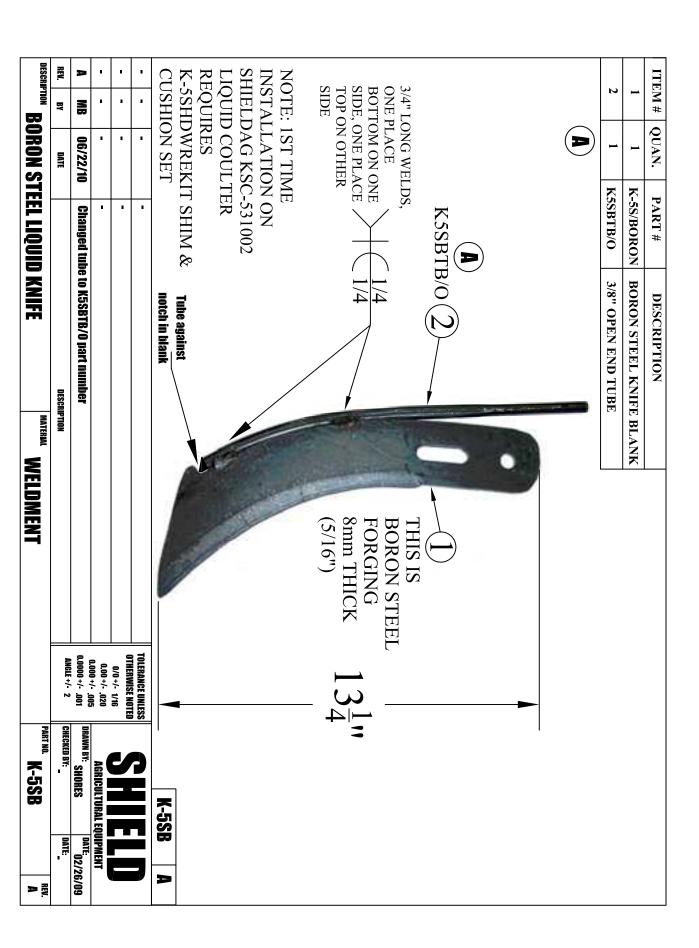


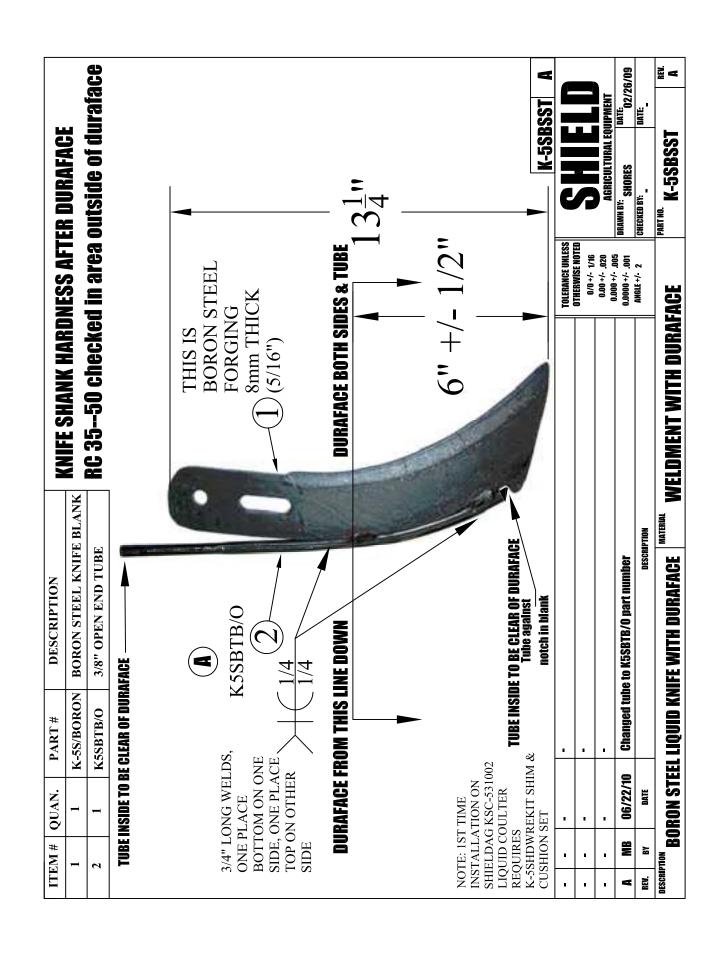


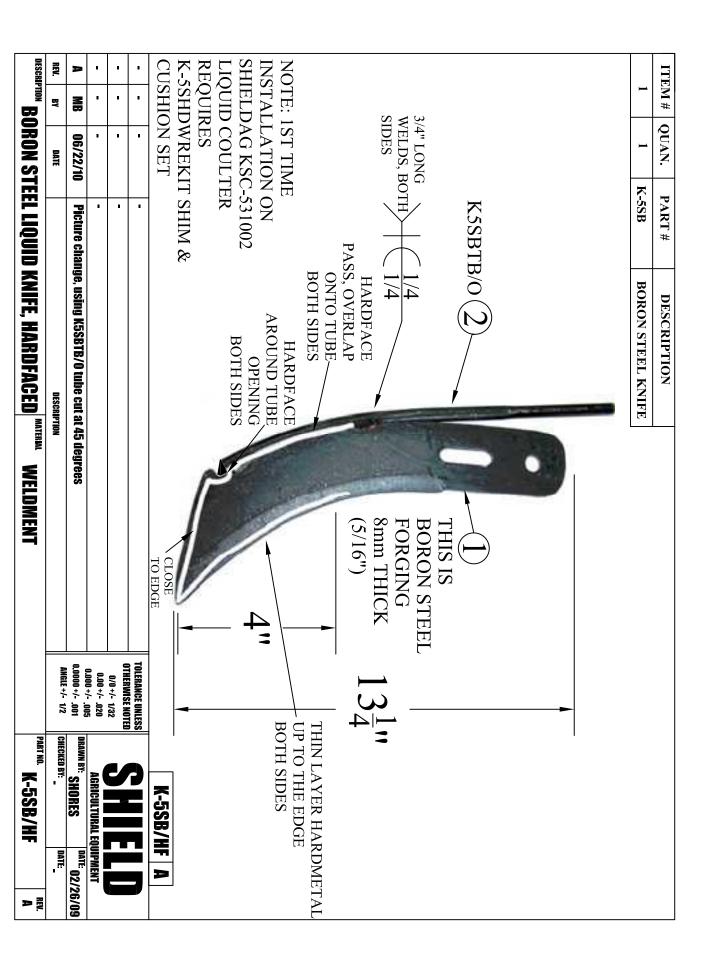


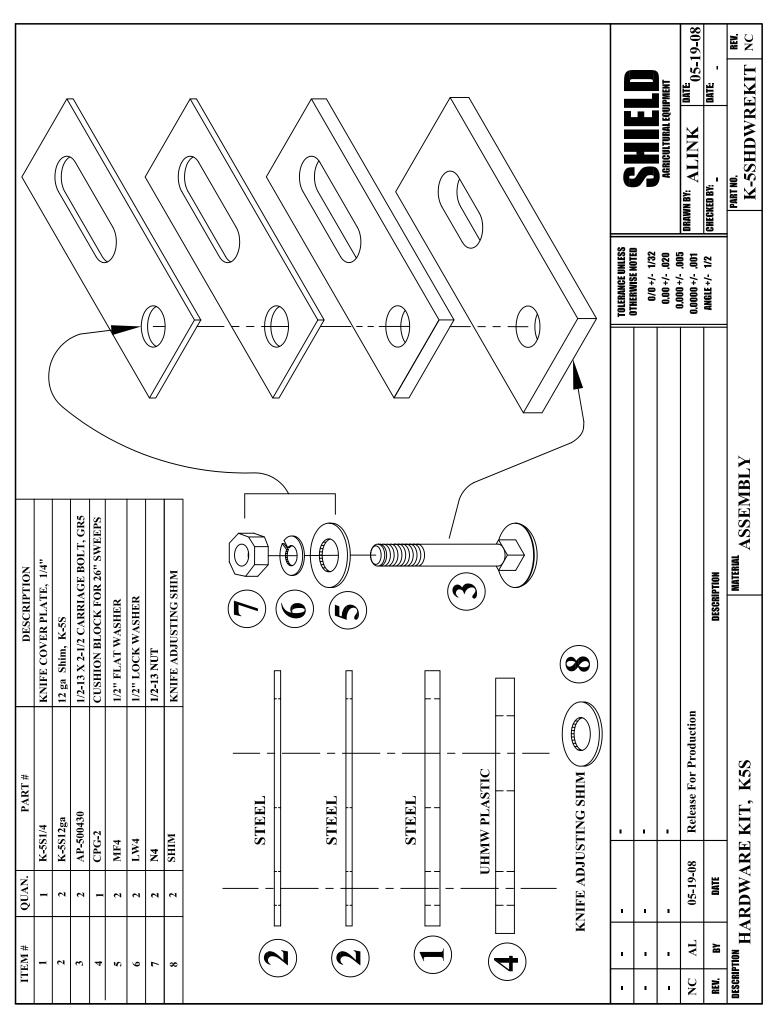


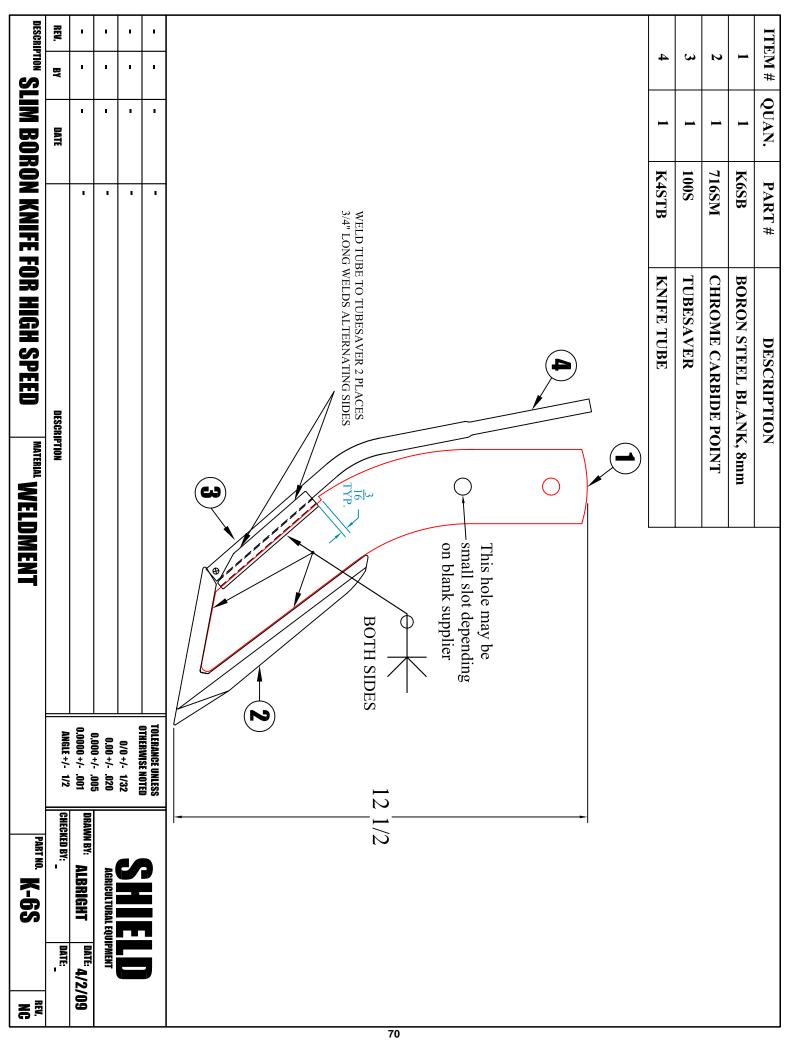


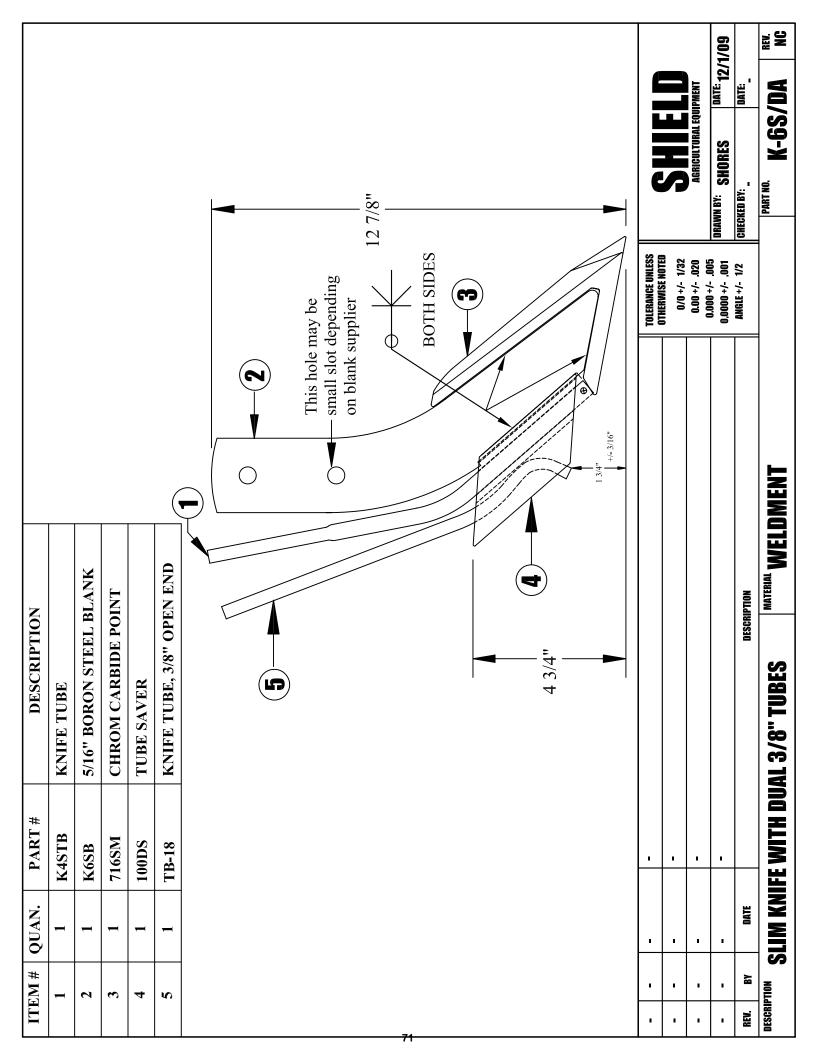


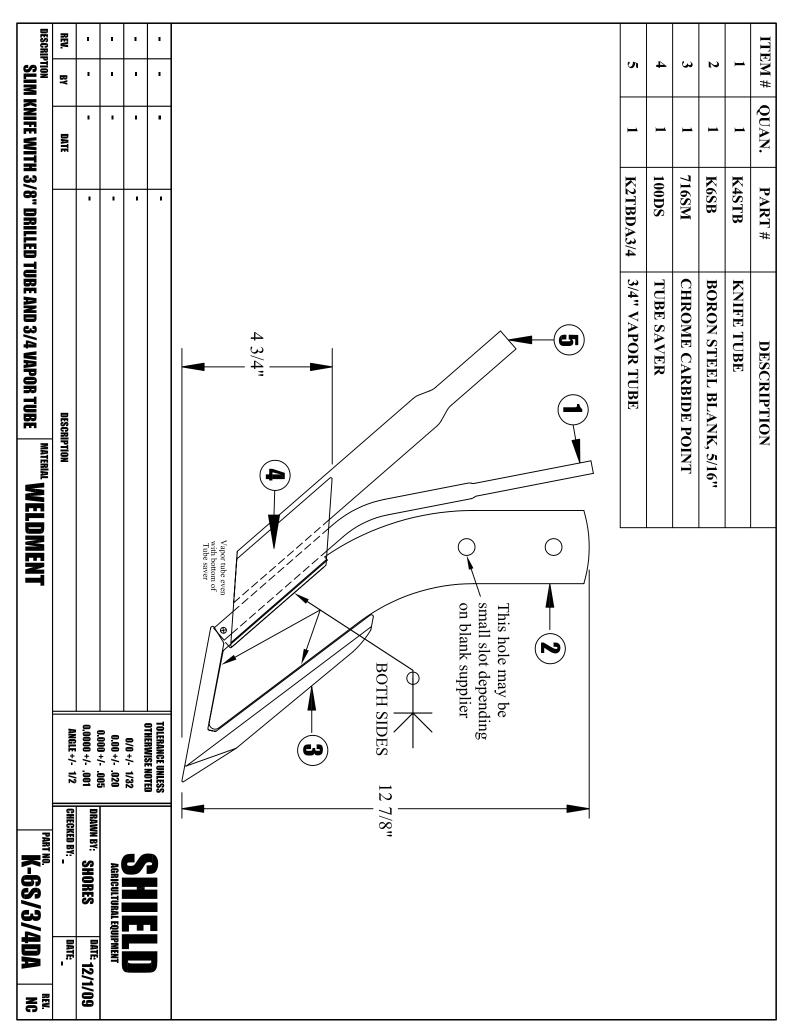


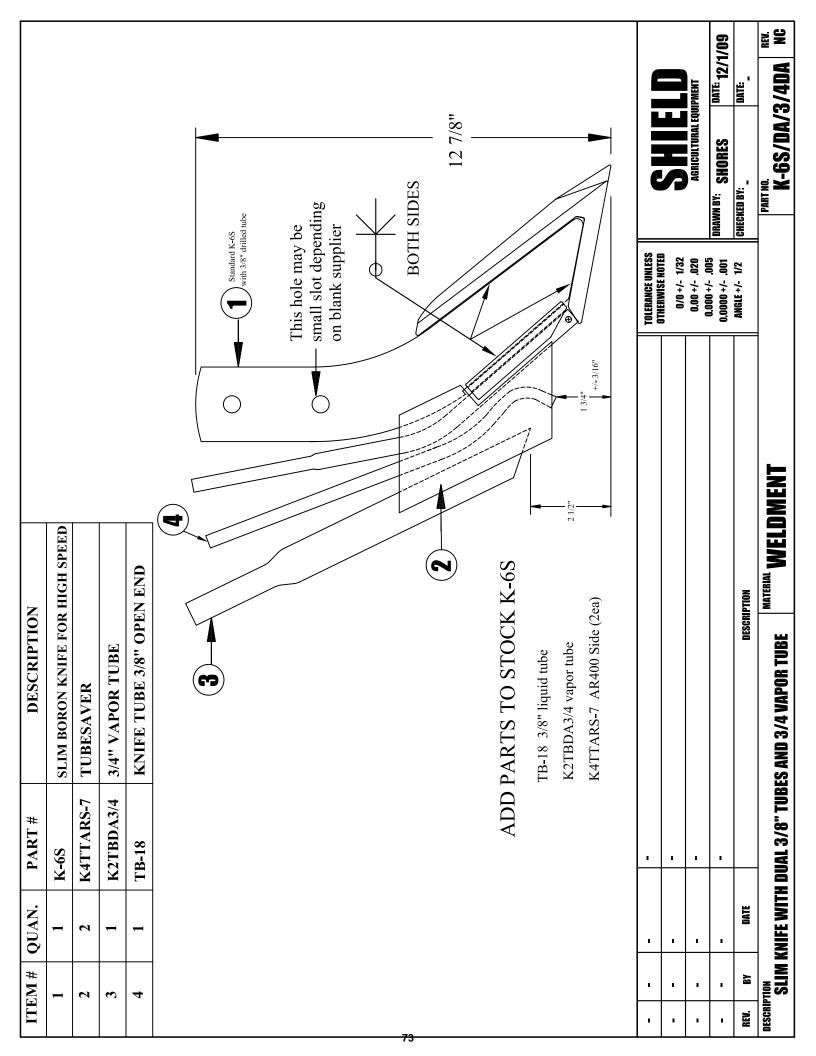


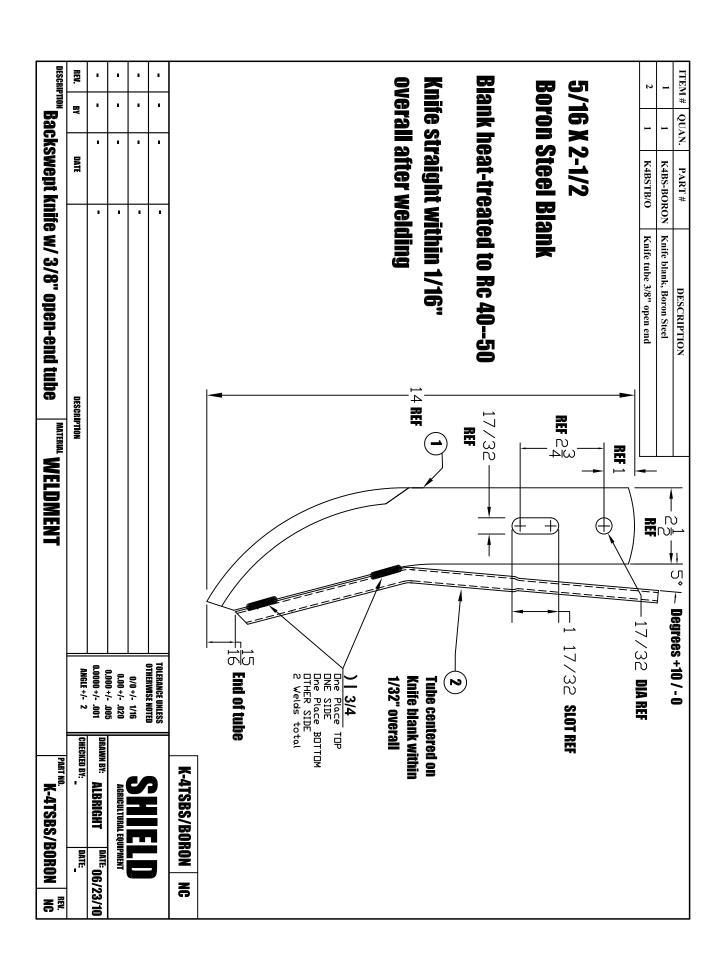


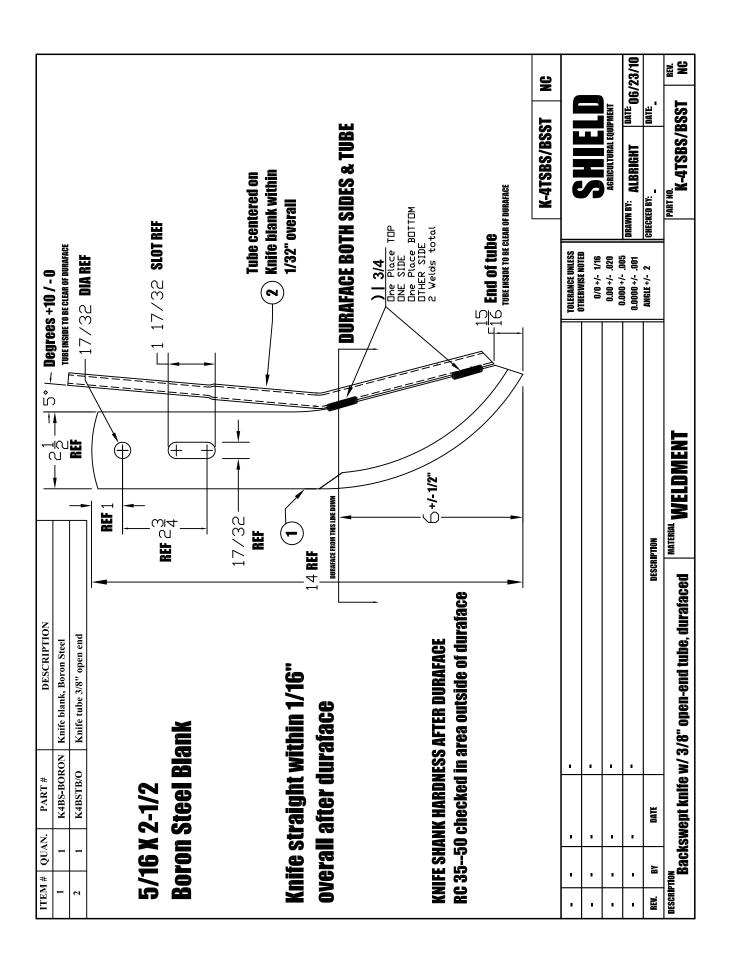








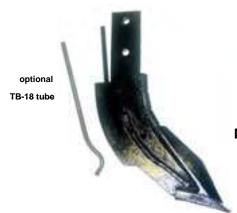




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ShieldAg 800-798-1968 www.shieldag.com

ShieldAg's ST-series Strip Till Points



Designed specifically for 8-12" working depths
Acts as a subsoiler point to alleviate compaction
Knife tubes will deliver NH3, liquid and acid programs
Dry tubes are available in 1-1/4", 1-1/2" and 1-3/4" diameter
Creates the optimum berm desired by strip-till farmers
Available in 16" and 18" lengths

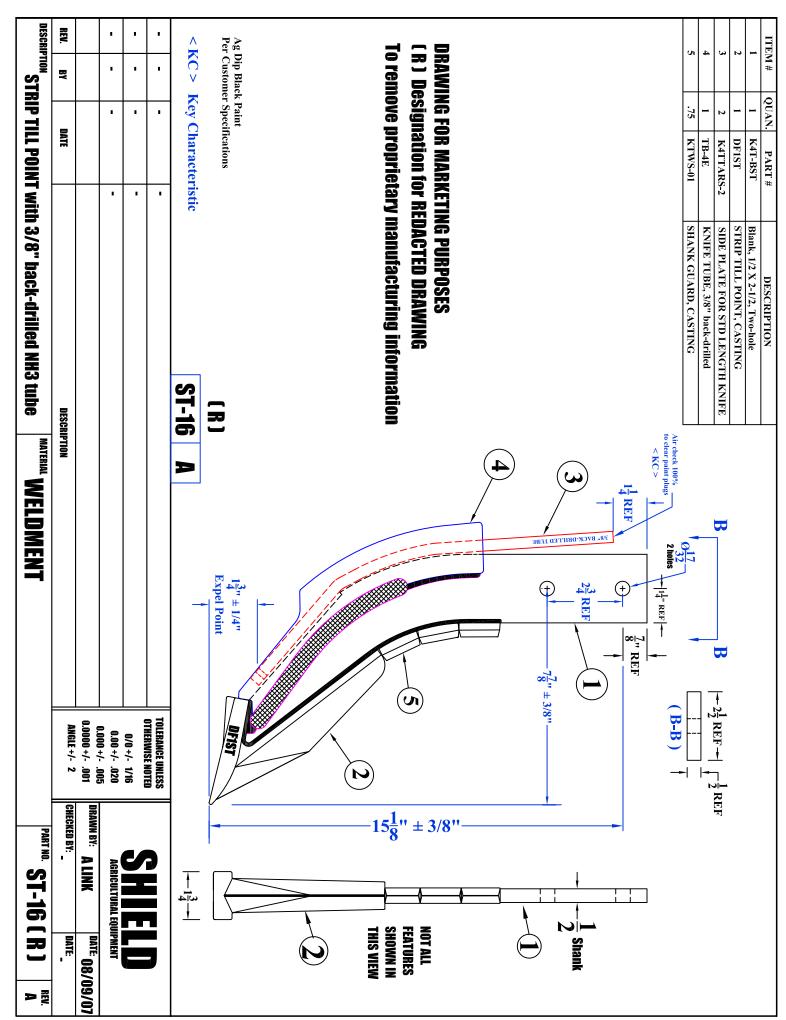
ShieldAg's ST-16, the Strip Till Point of choice for side-mount rigs

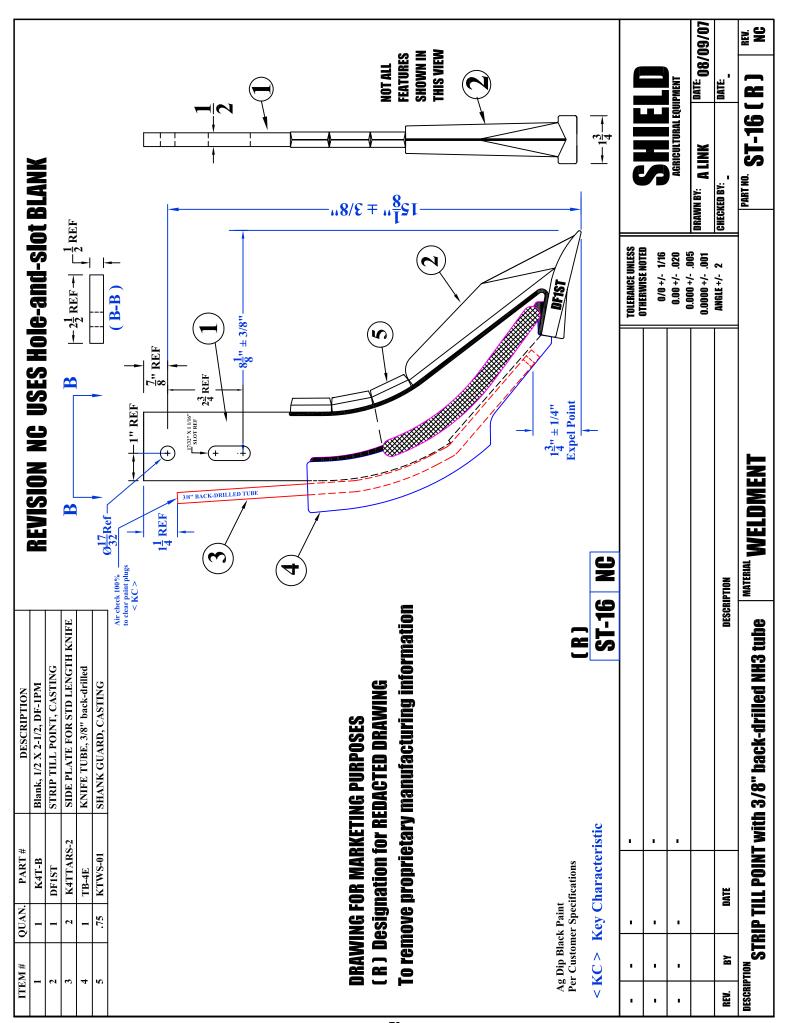
Drawings for knives following this page are in the order shown in this table

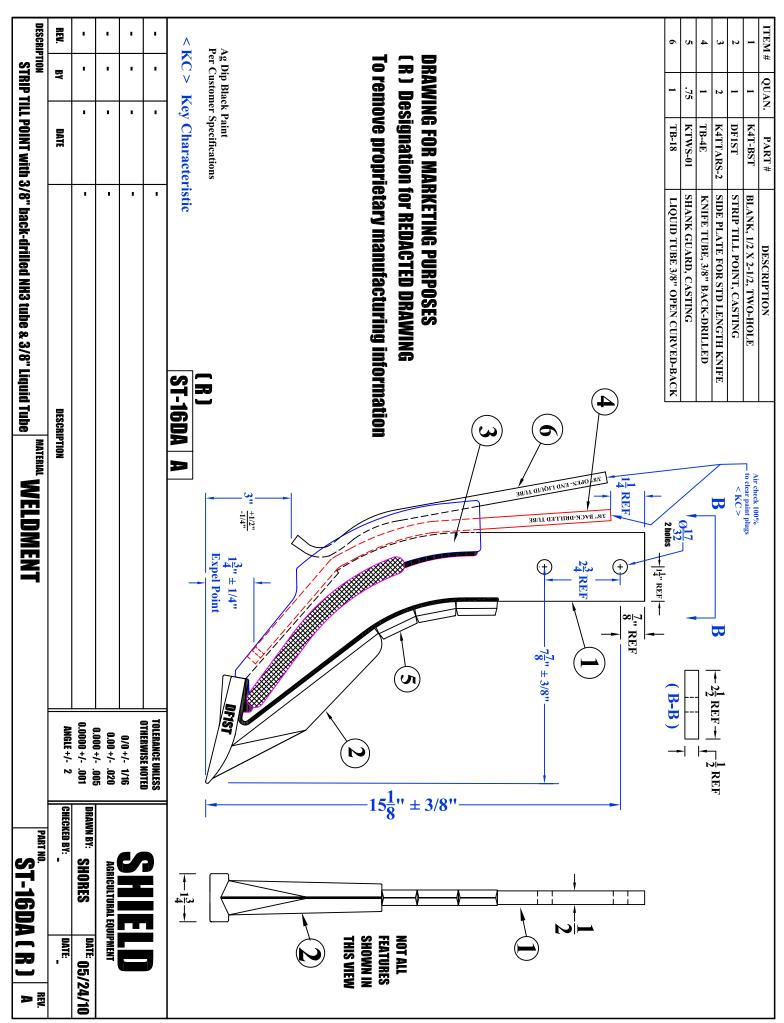
Part #	Description	DRAWING	Weight
ST-16 REV A	16" Strip Till point with 3/8 tube and strip till protection dual round punch	YES	10.6
ST-16 REV NC	16" Strip Till point with 3/8 tube and strip till protection hole & slot punch	YES	10.6
ST-16DA	16" Strip Till point with dual 3/8 tubes and strip till protection	YES	10.9
ST-16/3/4DA	16" Point with 3/8 and 3/4 (vapor) tubes and strip till protection	YES	11.4
ST-16/1/2A	16" Point with 1/2" tube and strip till protection		10.8
ST-16/1/2DA	16" Point with 3/8 and 1/2" tubes and strip till protection		11.1
ST-16/112	16" Point with 1-1/2" dry tube and strip till protection	YES	13.7
ST-16/112DA REV A	16" Point with 3/8 and 1-1/2" tubes and strip till protection dual round punch	YES	14.0
ST-16/112DA REV NC	16" Point with 3/8 and 1-1/2" tubes and strip till protection hole & slot punch	YES	14.0
ST-16/112DA/1/2	16" Point with 3/8 and 1/2 and 1-1/2" tubes and strip till protection		14.4
ST-16/112DA/3/4	16" Point with 3/8, 3/4 and 1-1/2" tubes and strip till protection		15.1
ST-16/112DA/HF	16" Point with 3/8 and 1-1/2" tubes and strip till protection, hardfaced		14.6
ST-16/114	16" Point with 1-1/4" dry tube and strip till protection		13.6
ST-16/114/114	16" Point with dual 1-1/4" dry tube and strip till protection		15.4
ST-16/114DA	16" Point with 3/8 and 1-1/4" dry tubes and strip till protection		13.8
ST-16/DA/3/4	16" Strip Till point with 3/8 X 3/4 X 3/8 (TB-18) and strip till protection	YES	11.6
ST-16/5/8S	16" Point with 5/8" stainless tube and strip till protection		11.2
ST-16DA/1/2DA	16" Point with 3/8, 1/2 and 3/8 tubes and strip till protection		11.6
ST-16EX	SUB TO ST-16Wil/WOT		
ST-16KL	16" Point liquid using 3/8" TB-18, ships loose for custom applications		10.6
ST-16Wil	16" Point with 3/8 tube, special side plates and strip till protection	YES	10.9
ST-16Wil/DA	16" Point with dual 3/8 tubes, special sides and strip till protection	YES	11.2
ST-16Wil/WOT	16" Point with NO TUBE, special sides and strip till protection, EXACTRIX		11.0
ST-16WOT	16" Point with strip till protection and NO TUBE	YES	10.4
ST-16WOT/WOTS	16" Point with NO TUBE, NO protection, for CUSTOM applications		10.0
ST-18	18" Strip Till point with 3/8 tube and strip till protection	YES	11.0
ST-18/112DA	18" Point with 3/8 and 1-1/2" tubes and strip till protection		14.4
ST-18Wil/WOT	18" Point with strip till protection and NO TUBE FOR EXACTRIX		11.4
ST-18/WOT	18" Point with strip till protection and NO TUBE		10.8
ST-18/WOTS	18" Point with strip till protection and NO TUBE, NO TUBE SAVER		10.2
ST-18DA	18" Strip Till point with dual 3/8 tubes and strip till protection		11.2
ST-18DASS	18" Strip Till point with dual 3/8" stainless tubes and strip till protection		11.2

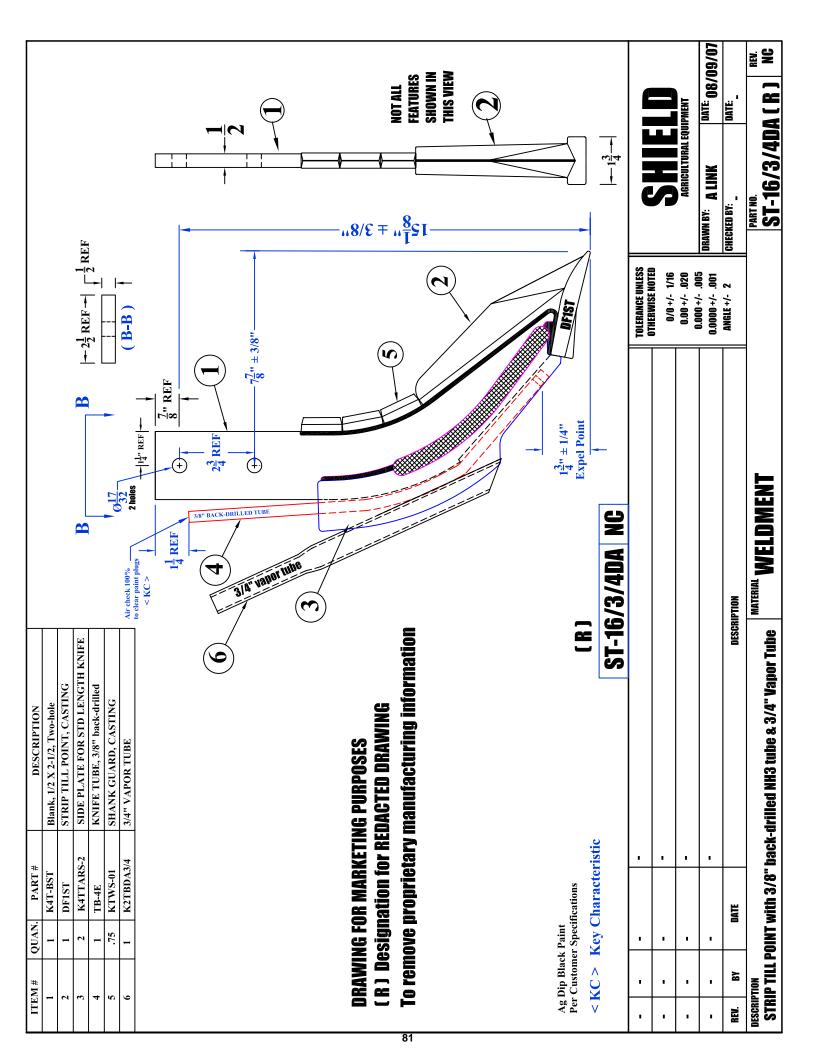
Part #	Replacement Parts for S1-series	Weight
TB-18	Phos (liquid) rear eject tube (bent back)	0.20
TB-2/O	3/8" tube open end	0.30
K2TB1/2A	1/2" tube drilled	0.53
K2TBDA3/4	3/4" tube open end	0.74
K4TB112DA	1-1/2" dry tube	0.75
TB-4E	Replacement 3/8" back-drilled tube	0.40
TB-4EN	Replacement 3/8" tube, NOT DRILLED, for custom applications	0.40
ST-16/18Hdwrekit	Knife cover plate kit complete, including knife bolts	0.50
DF1ST	Point casting only	2.84
KTWS-01	4-segment chrome extension for knife front	0.34
K4TTARS	Strip till protection plate for ST-16Wil/Wot and series	0.80
K4TTARS-2	Strip till protection plate for ST-16 standard series	0.60
K4TTARS-3	Strip till protection plate for ST-series with dry tubes	1.40

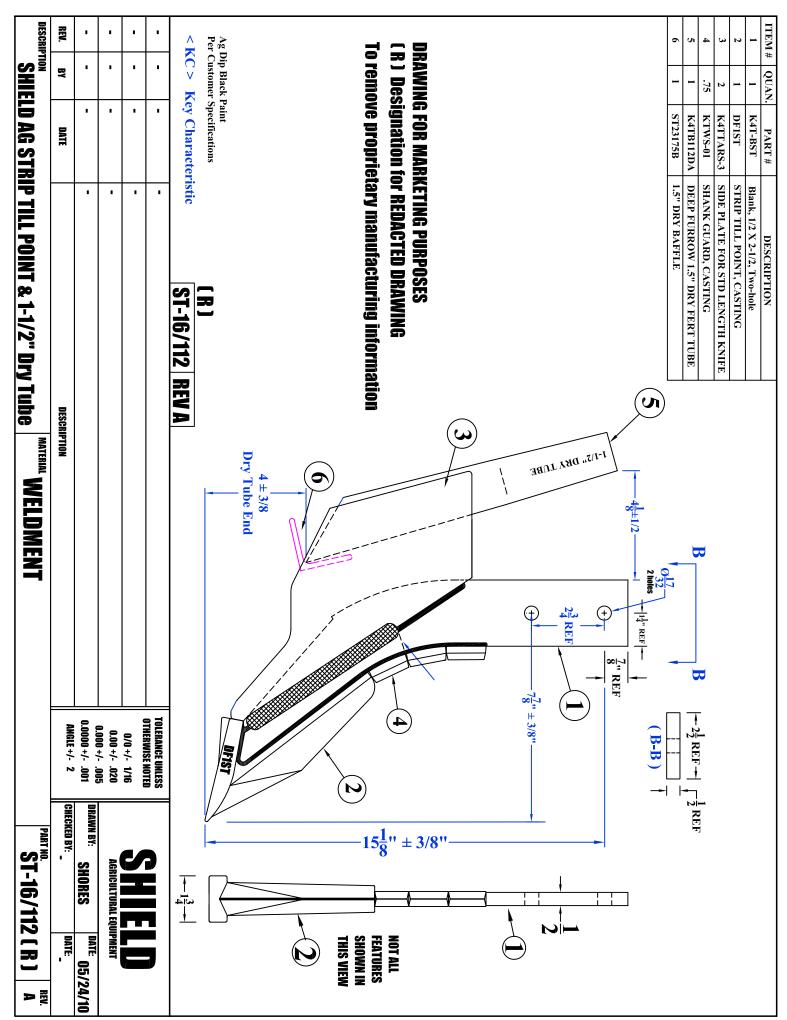
ST-series strip till points are sold only through exclusive distributorships and territories, call us for details

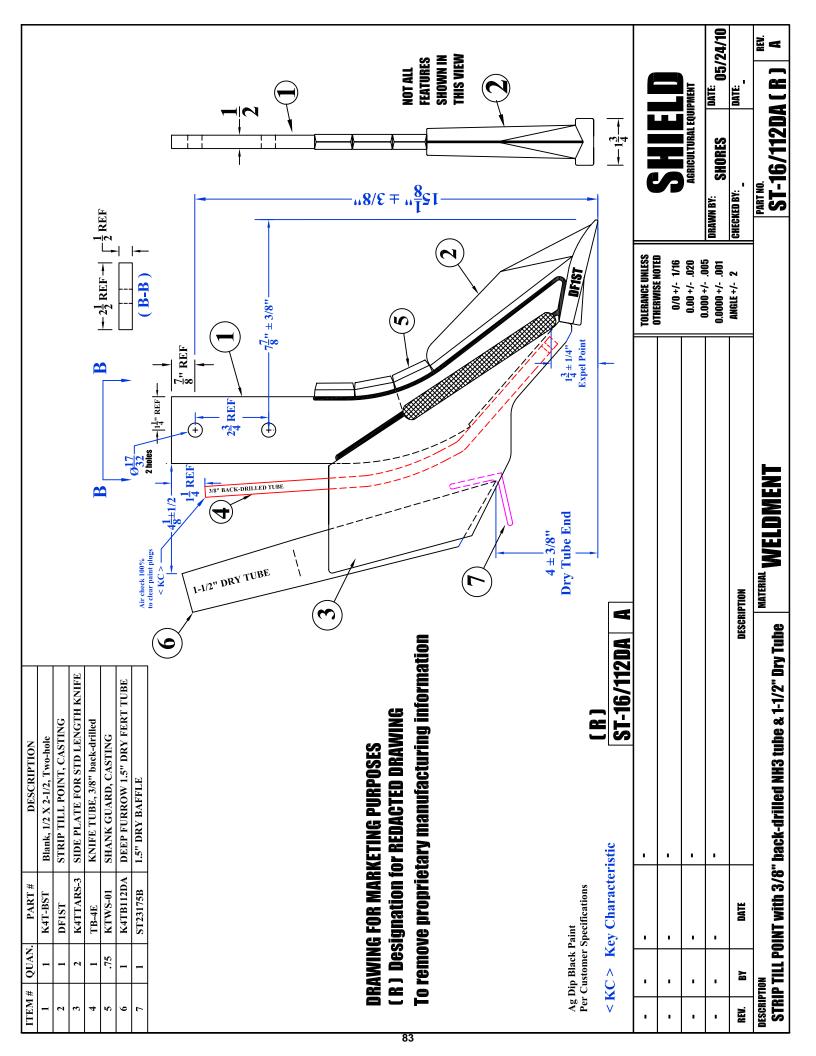


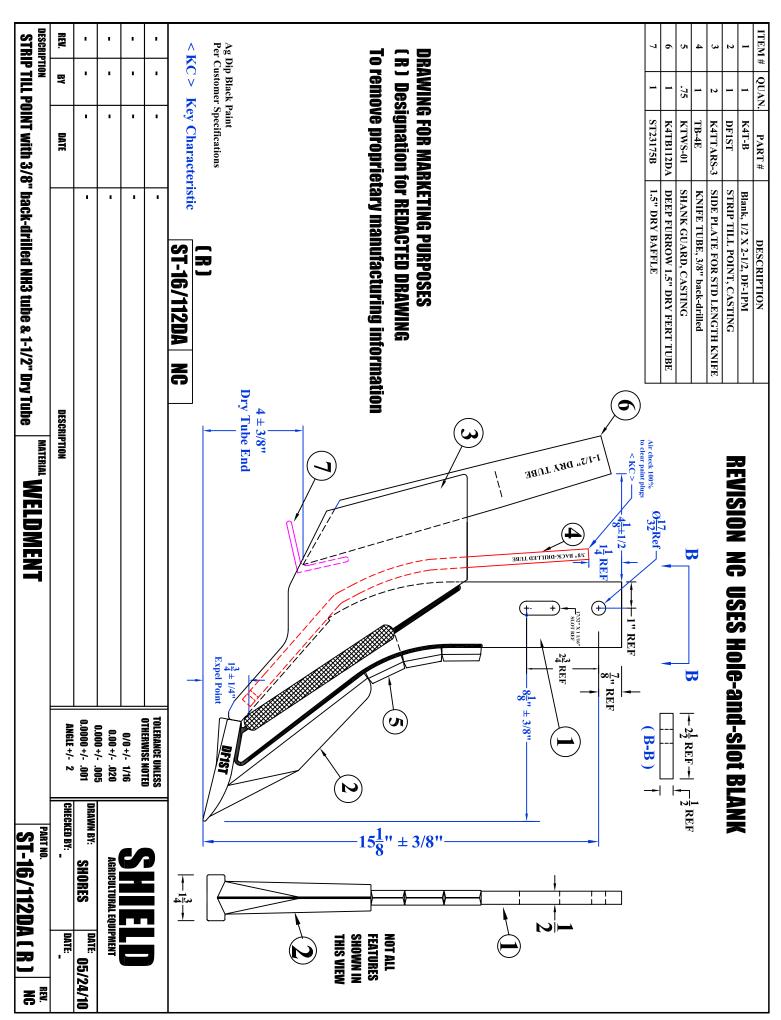


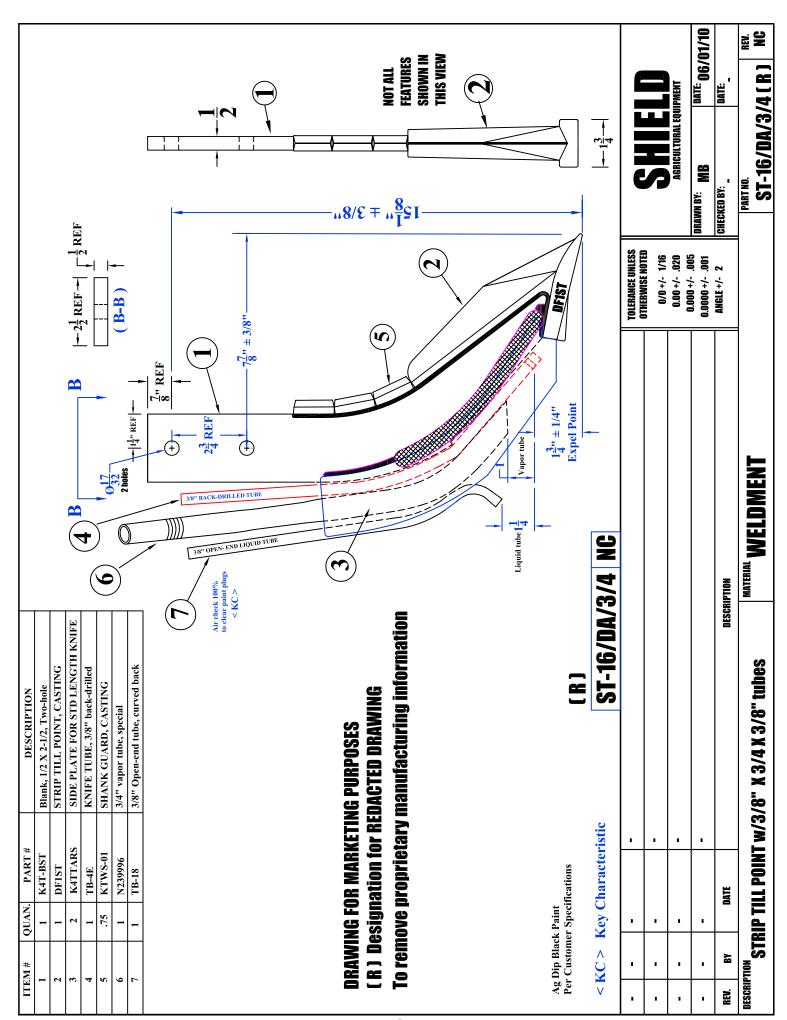


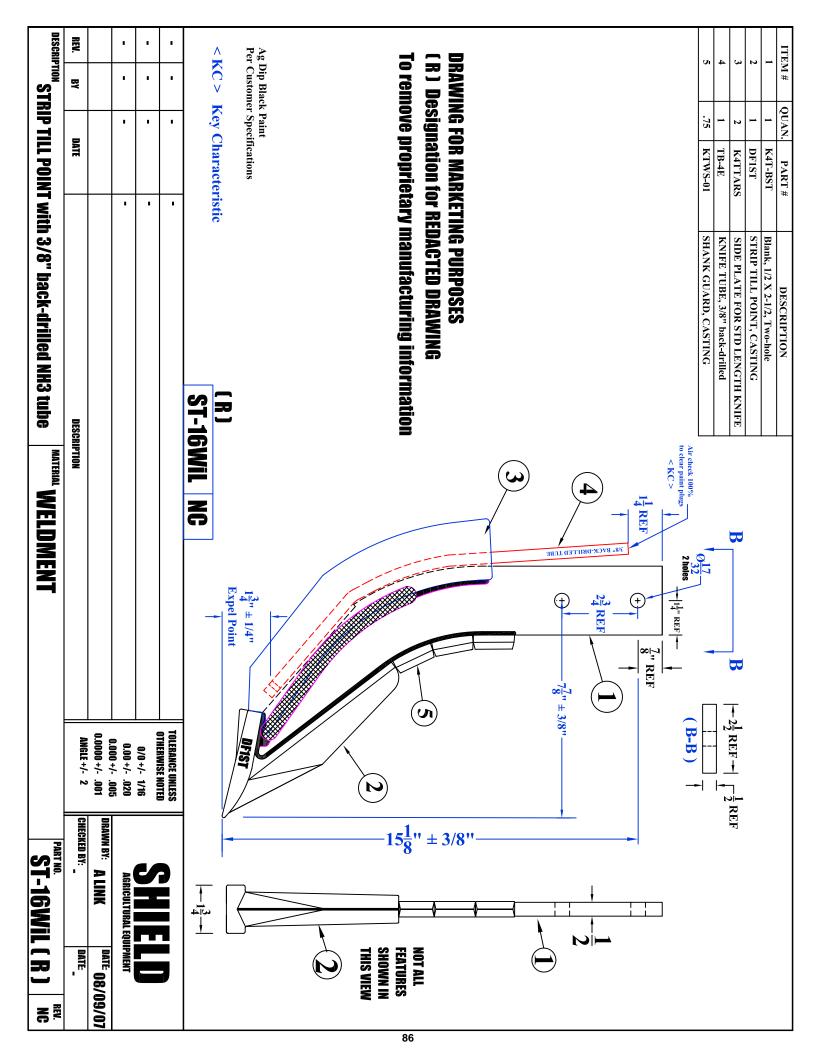


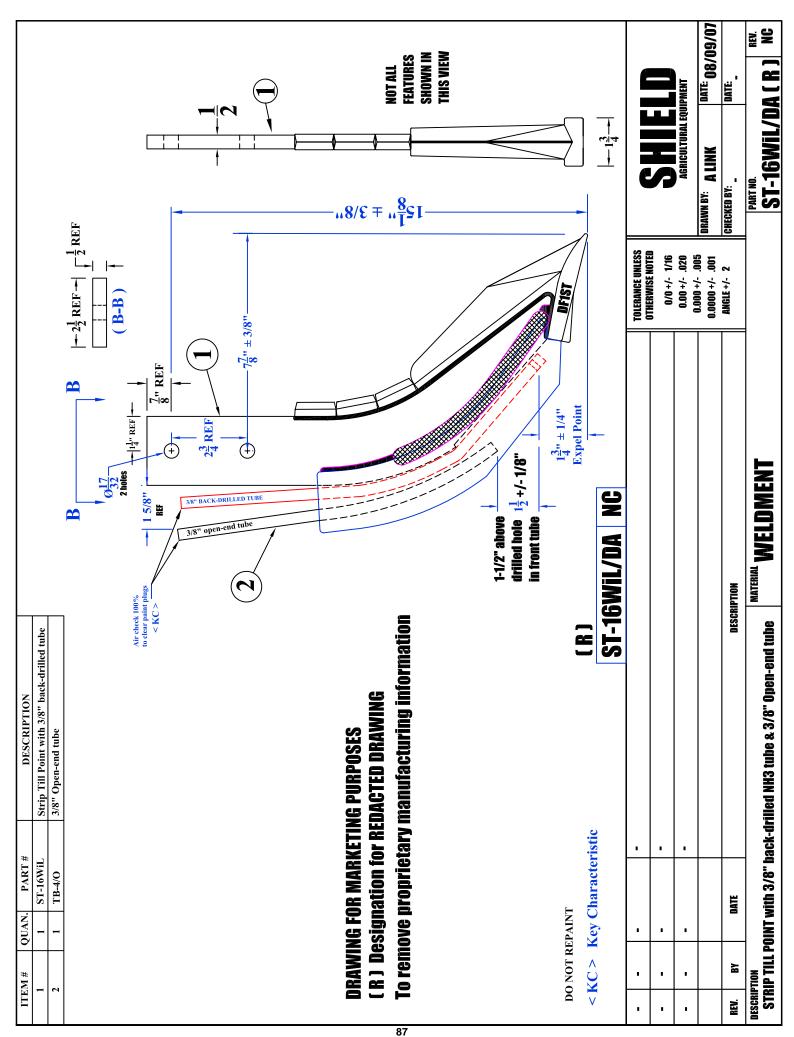


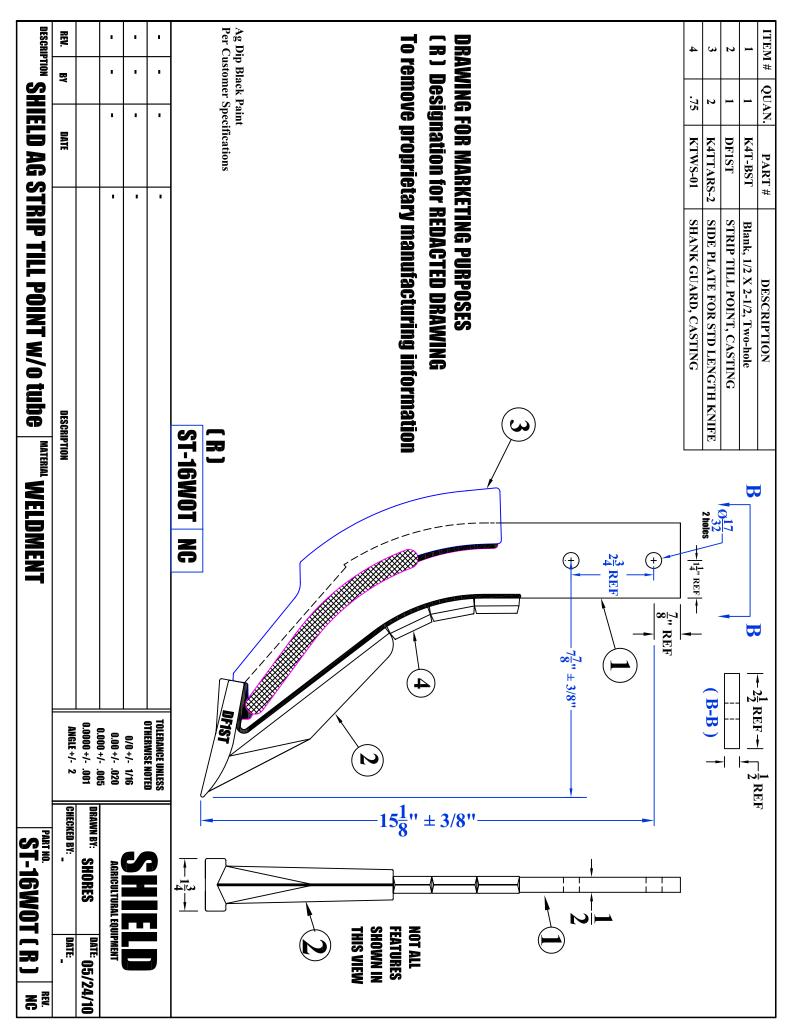


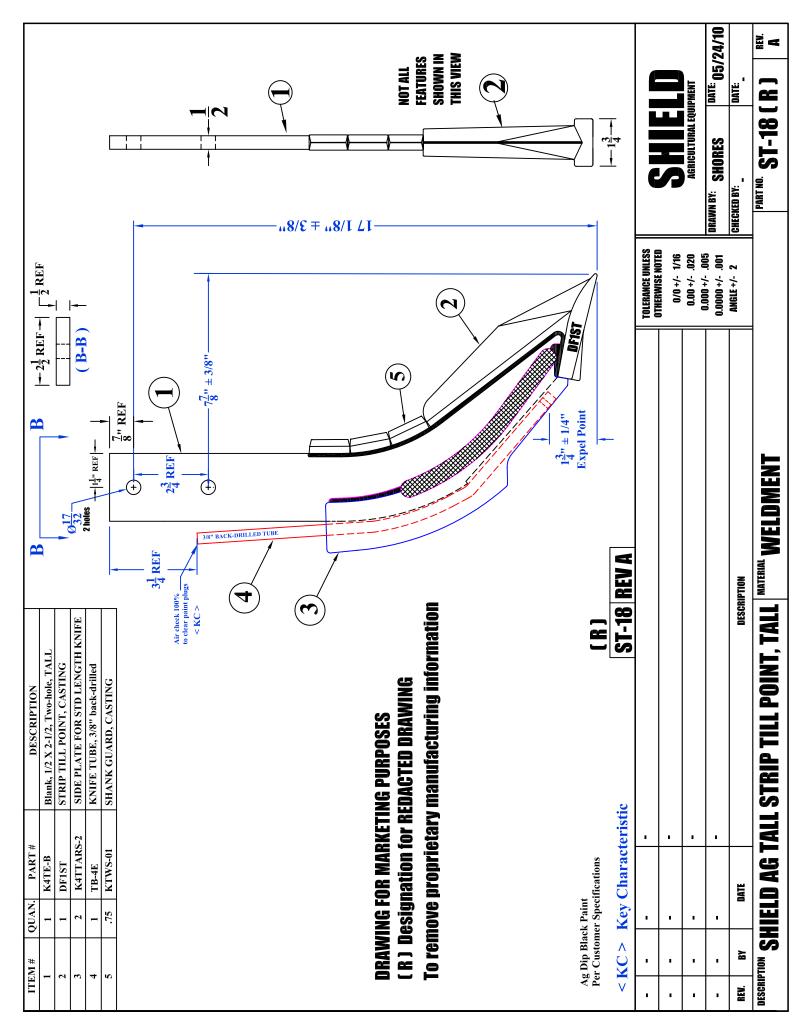












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ShieldAg 800-798-1968 www.shieldag.com

SHIELDAG Fertilizer knives for Chisel Plows



CPK-1, the heaviest-duty Chisel Plow Knife available



CPK-1E, enhanced to handle more trash

Chisel Plow Knives

Drawings for knives following this page are in the order shown in this table

Part #	Description	Drawing	Weight
CPK-1	Single 3/8" NH3 tube	YES	5.8
CPK-1/1/2A	Single 1/2" NH3 tube	YES	6.0
CPK-1E	Single 3/8" NH3 tube w/ trash guard	YES	6.1
CPK-1E/1/2A	Single 1/2" NH3 tube w/ trash guard	YES	6.3
CPK-1E/DA	Dual 3/8" NH3 & 3/8" open end tubes w/ trash guard	YES	6.5
CPK-1/1/2A/1/2DA	Dual 1/2" NH3 & 1/2" open end tubes		6.7
CPK-1E/1/2DA	Dual 3/8" NH3 & 1/2" tubes w/trash guard	YES	6.7
CPK-1/1/2DA	SUB TO CPK-1E/1/2DA		
CPK-1/DA	SUB TO CPK-1E/DA		
CPK-1E/3/4DA	3/8" NH3 tube and 3/4" Vapor tube w/trash guard	YES	7.3
CPK-1LD	Single 3/8" NH3 tube w/center-mount tube stiffener	YES	6.1
CPK-1LD/1/2A	Single 1/2" NH3 tube w/center-mount tube stiffener	YES	6.3
CPK-1M	Single 3/8" Micronutrient tube		6.0
CPK-1S	Single 3/8" Stainless NH3 tube		5.8
CPK-1/WOT	Chisel knife with no tubes	YES	5.6

Part #	Replacement Parts for Chisel Plow Knives	W	eight
CPK1P	Knife point	1	1.73
TB-CPK1	3/8" tube crimped/drilled	C	0.30
TB-CPK1/1/2A	1/2" tube crimped/drilled	C	0.53
CPK1E	trash guard	C	0.06

SHIELDAG Offers the WIDEST SELECTION of Chisel Plow Knives in the Industry!!

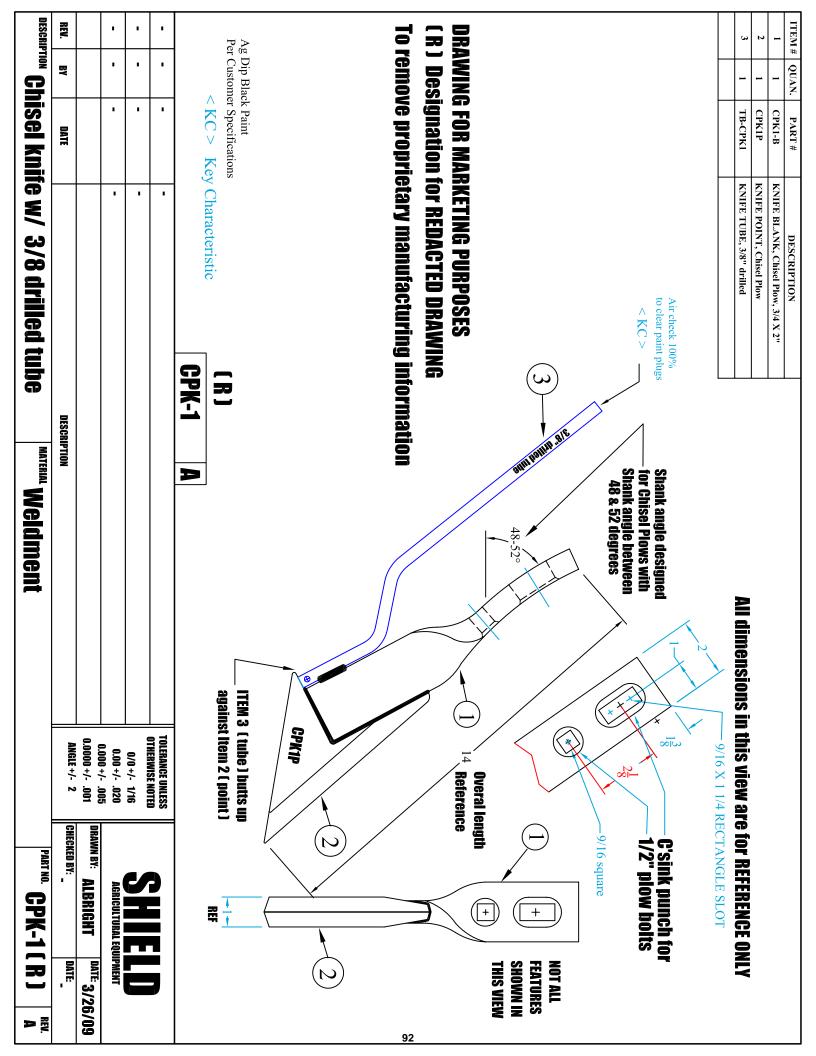
Your customer can also add ShieldAg Sweep/Chisel tubes to standard chisels and sweeps!!

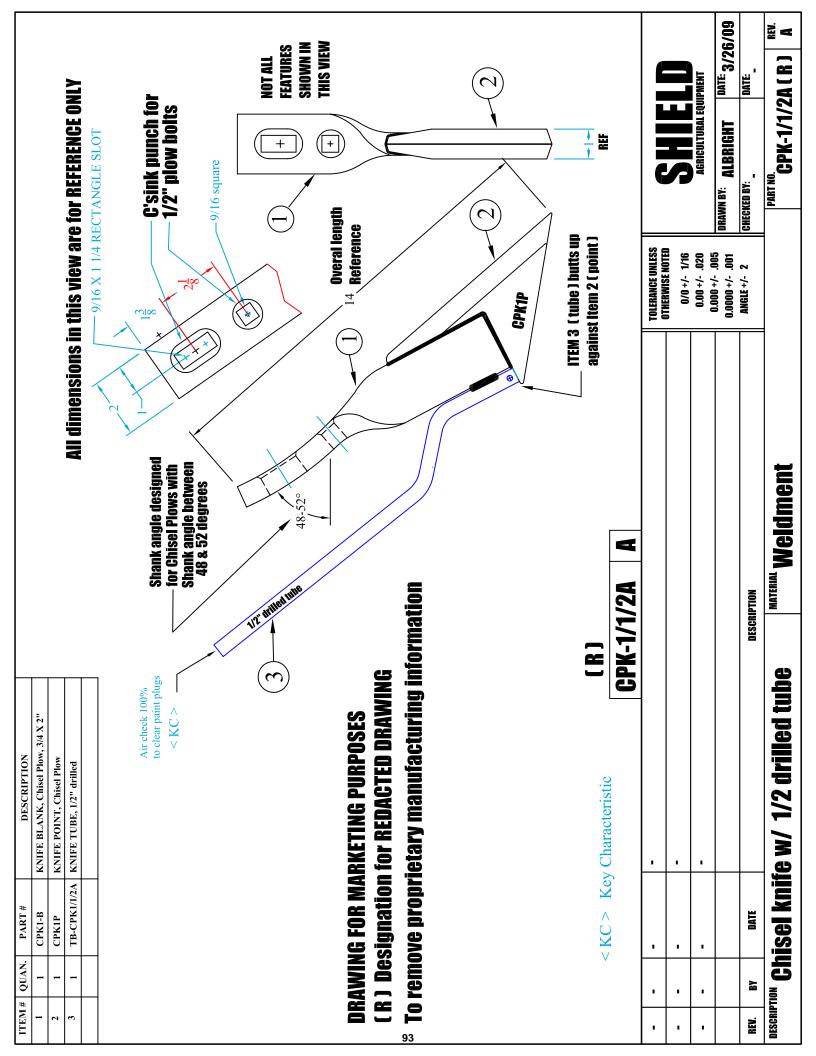
Part #	Description	Weight
TA-1	Center Mount Chisel/Sweep tube	0.65
TA-2	Side Mount Chisel/Sweep tube	0.68
TA-3	Side Mount 12" Chisel Plow and Cultivator Sweep tube	0.69

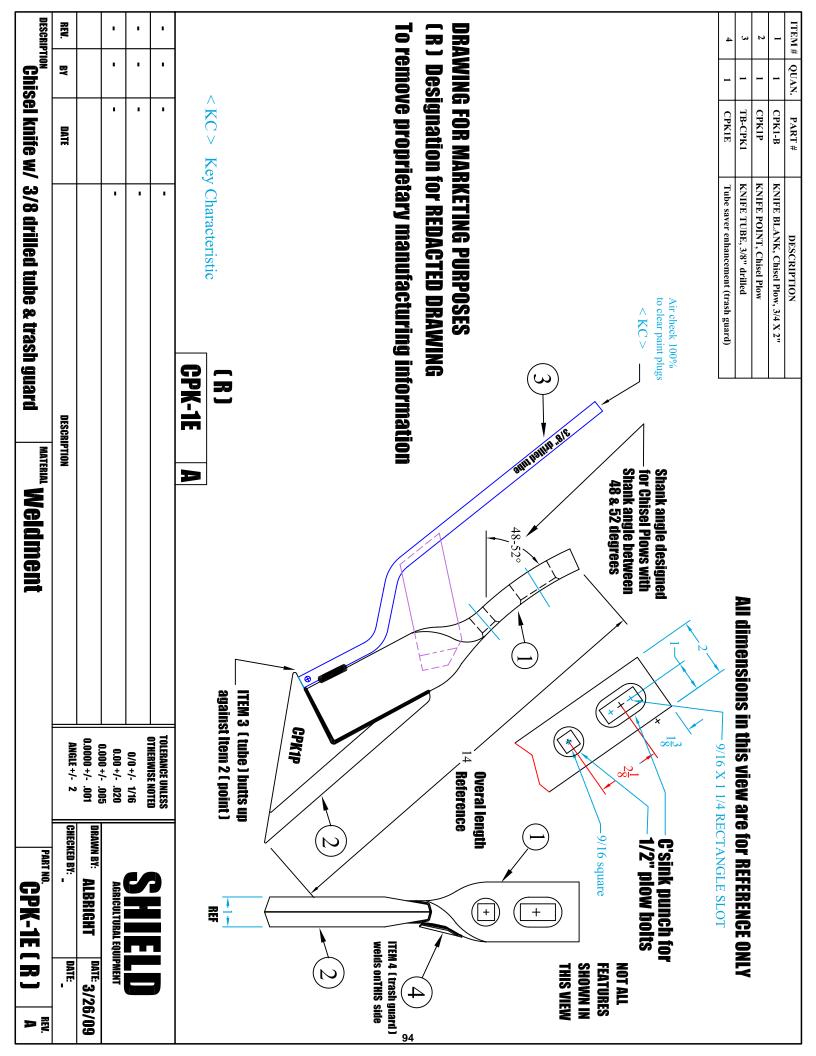
TA-1

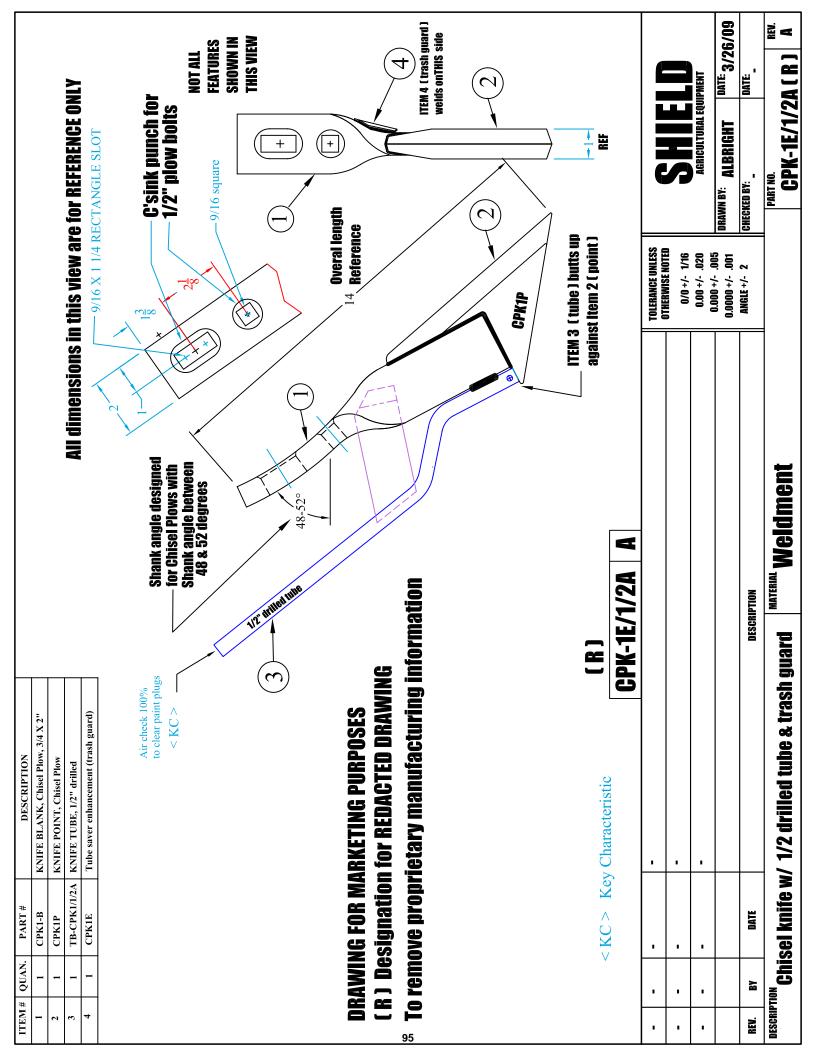
TA-2

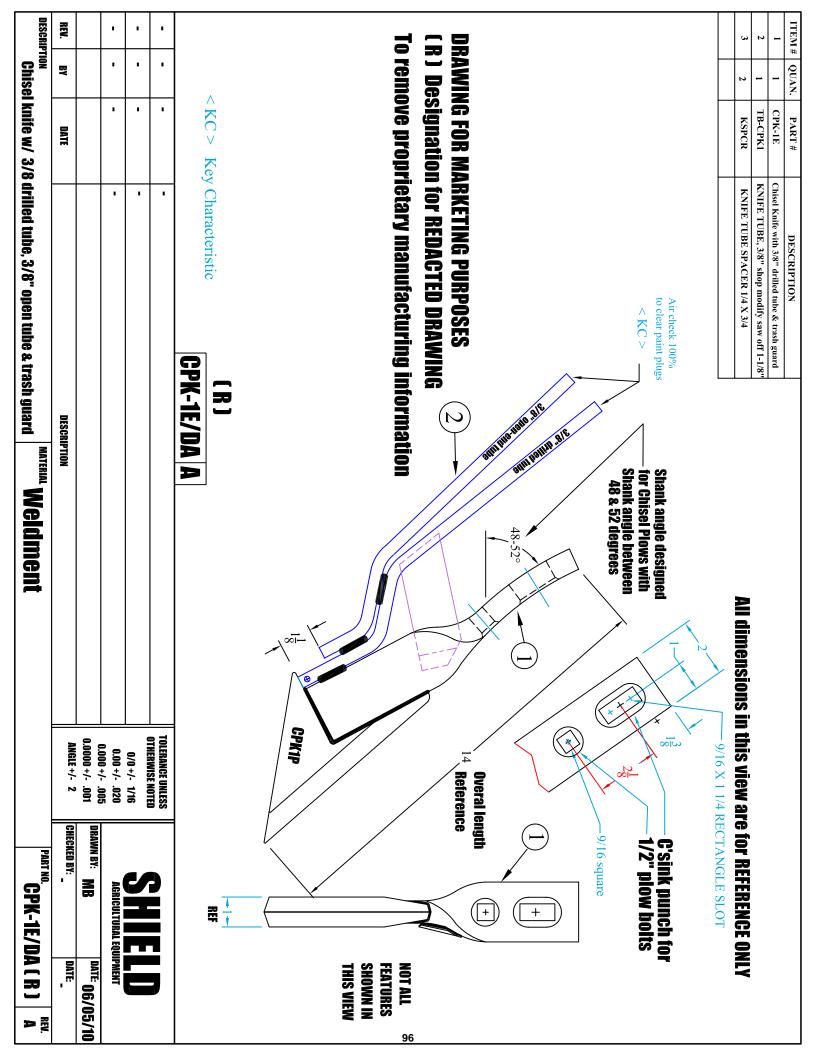
TA-3

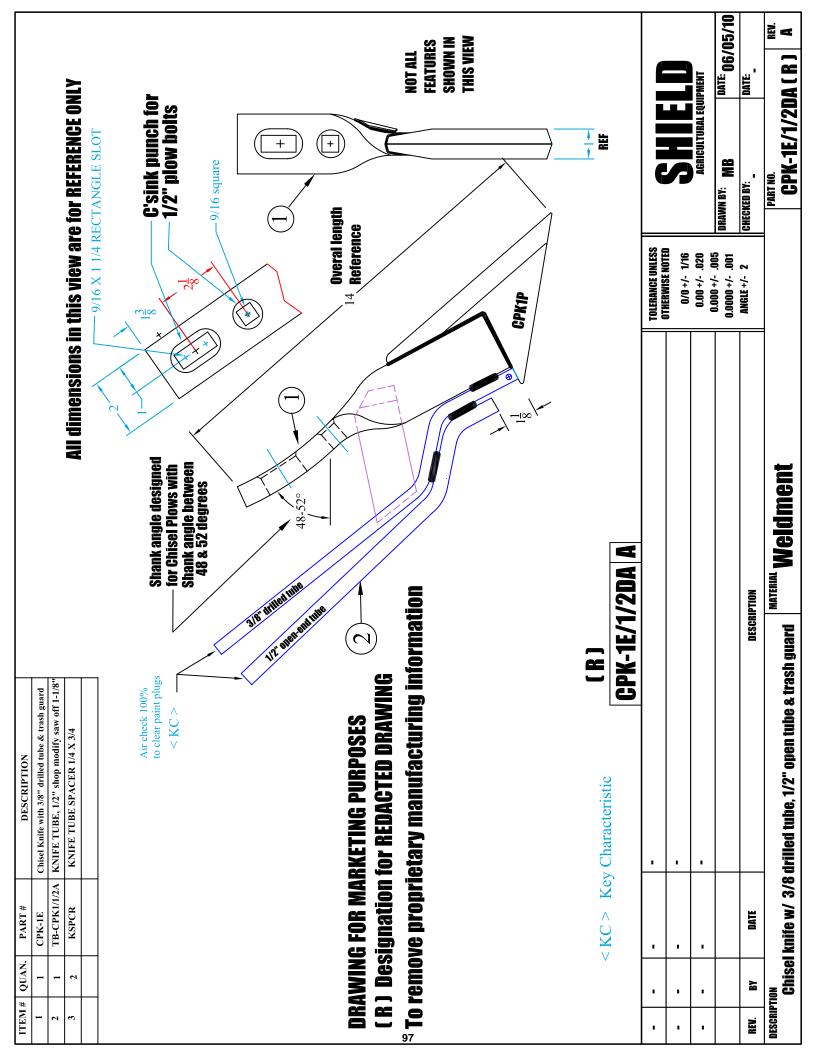


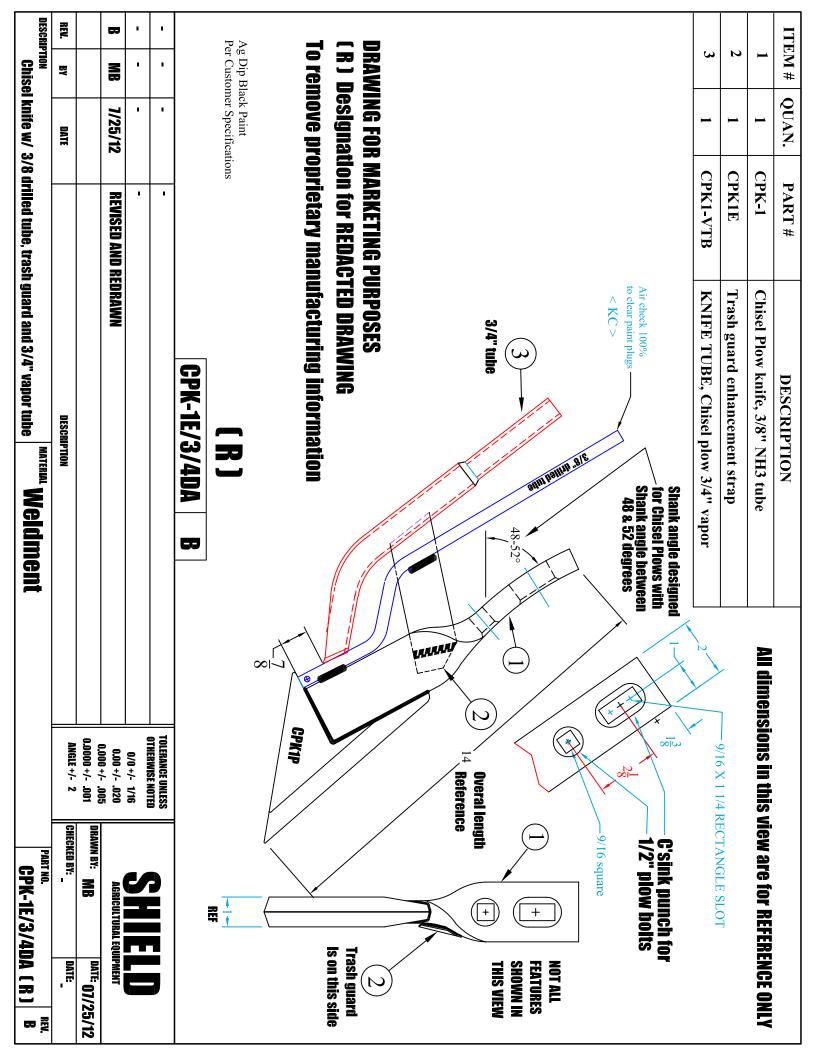


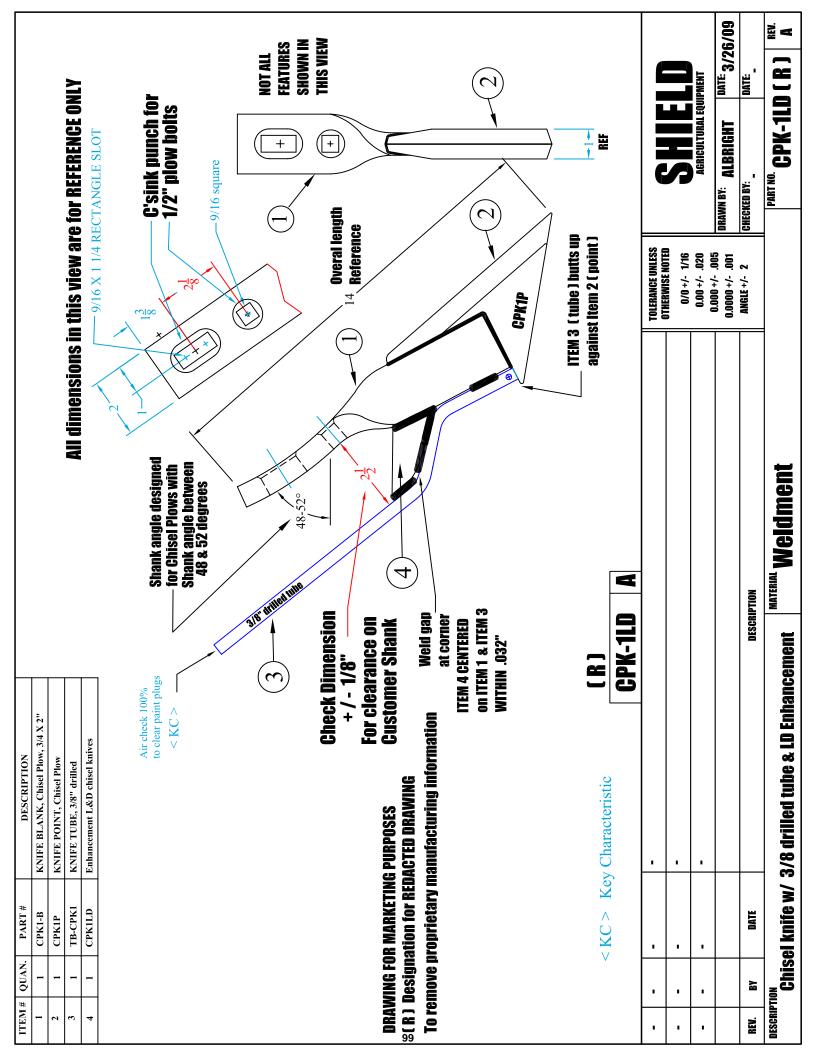


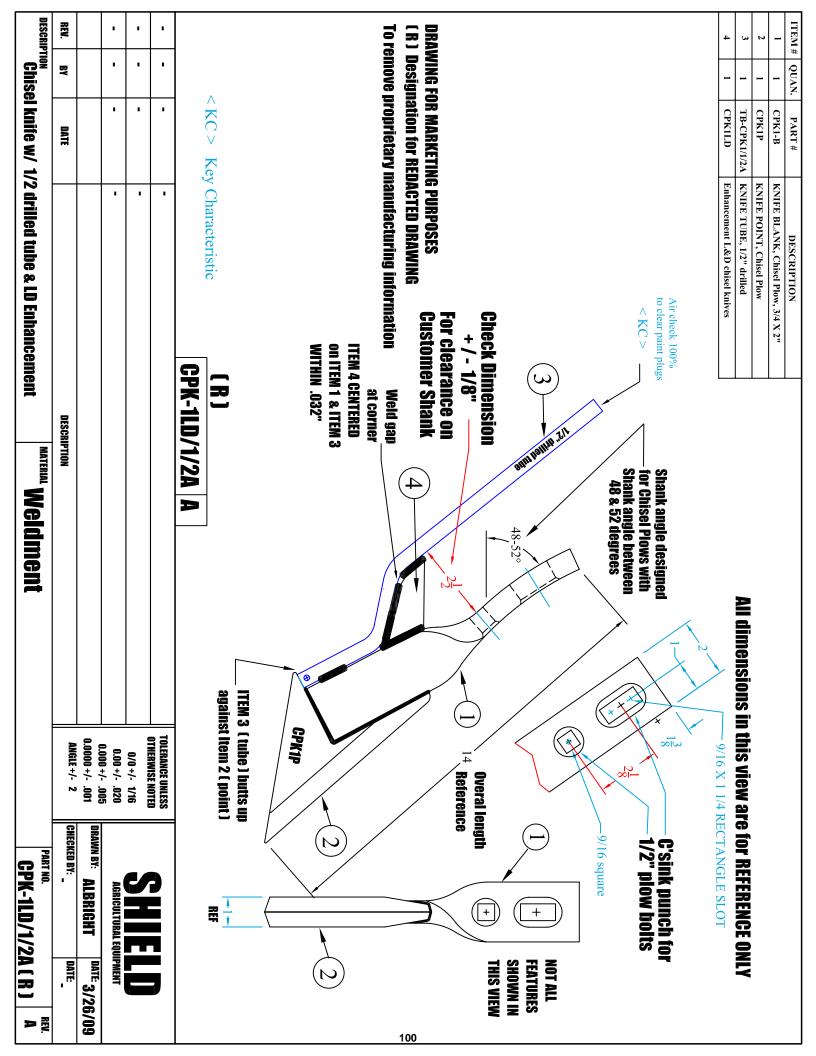


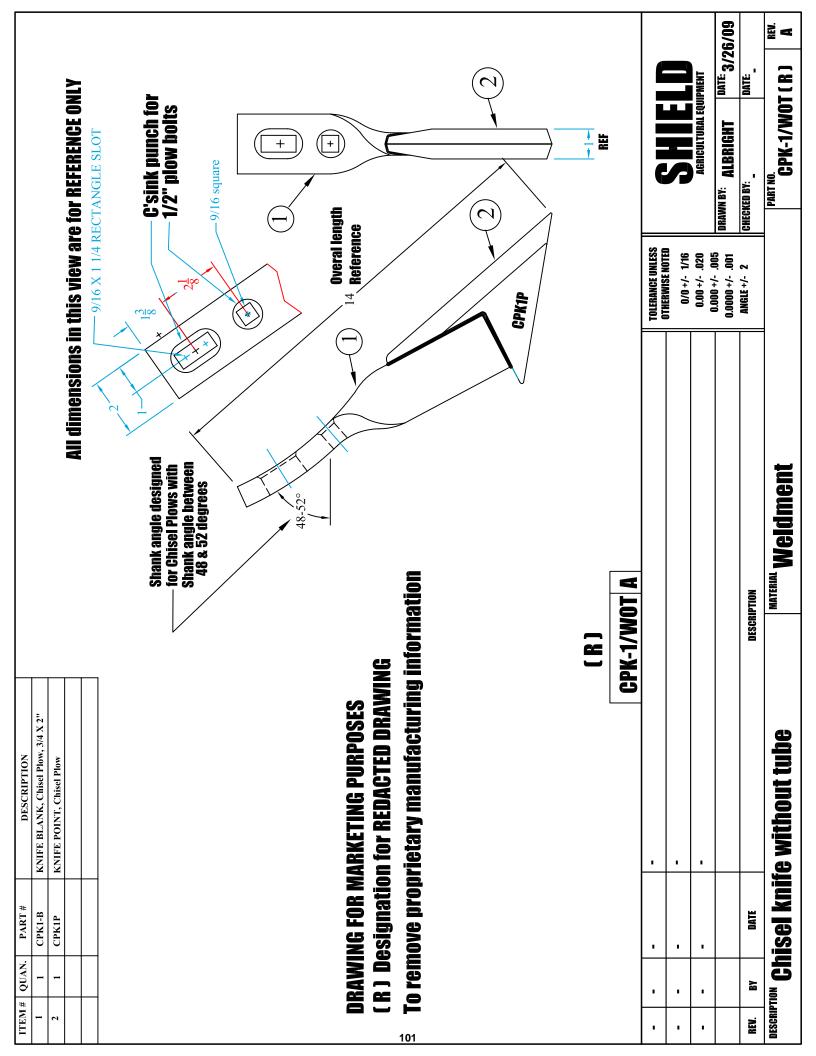








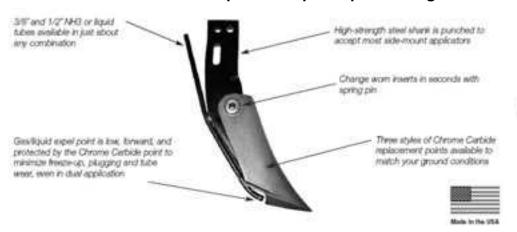




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Acra-Plant replaceable-point quick change fertlizer knives





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Item	Description	Weight
AP-700000	Acra Knife Shank with 3/8" NH3 tube and AP-700041 Standard Point	7.67
AP-700010	Acra Knife Shank w/ 3/8" NH3 tube (.408" OD, for 3/8" NH3 hose), no point	4.60
AP-700010V	Acra Knife Shank w/ 3/8" NH3 tube and 3/4" Vapor Tube, no point	5.40
AP-700011	Acra Knife Shank without tube (bare shank), no point	4.50
AP-700011STE	Acra ST-shank with 3/8" back-drilled tube STRIP TILL	8.80
AP-700011XBE	Acra ST-shank without tube. STRIP TILL	8.60
AP-700020	3/8" NH3 tube (.408" OD) crimped and drilled	0.50
AP-700021	3/8" Liquid tube (.408" OD) open end	0.50
AP-700022	½" Liquid tube (.569"OD) open end	0.60
AP-700023	3/8" NH3 tube (.408" OD) and Clip Rings for ½" large plastic tube	0.60
AP-700025	½" NH3 tube (.569" OD) crimped and drilled	0.60
AP-700041	STANDARD ACRA KNIFE POINT w/PIN	2.53
AP-700042	ACRA SUPER WING POINT w/PIN	2.78
AP-700042-ST	STRIP TILL POINT w/PIN	4.00
AP-700044	ACRA CLOSER POINT w/PIN	3.83
AP-700200	Acra Knife shank with 3/8" NH3 tube and AP-700042 Super Wing Point	7.92
AP-700400	Acra Knife shank with 3/8" NH3 tube and AP-700044 Sealer Point	8.50
AP-702000	Acra Knife shank with 3/8" NH3 tube and 3/8" Liquid tube (dual app)	5.10
AP-702000S	Acra Knife shank with 3/8" NH3 and 3/8" STAINLESS Liquid tubes (dual app)	5.10
AP-702010	Acra Knife shank with 3/8" NH3 and 1/2" Liquid tubes (dual app)	5.40
AP-702110	Acra Knife shank with 3/8" NH3 and Clip Rings for ½" large plastic hose (dual app)	4.80
AP-702510	Acra Knife shank with single ½" NH3 tube (.569" OD), crimped and drilled	4.70
AP-702610	Acra Knife shank with single ½" liquid tube (.569" OD), open end	4.70
K2TBDA3/4	3/4" Vapor tube (Raven)	0.74











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