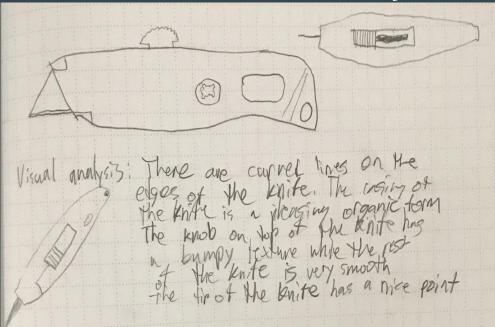
Utility knife

•••

Carter & Emery

Visual and Functional Analysis

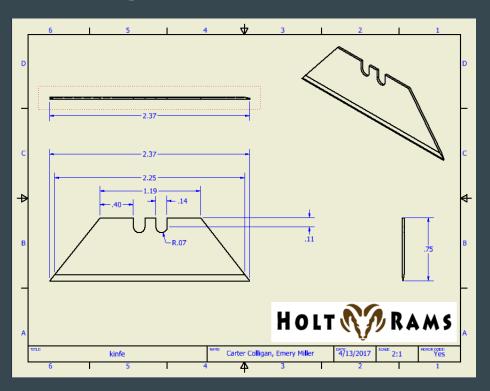


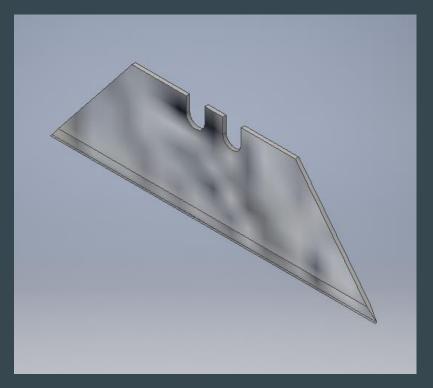
Function	nal Analysis	
Pressing down		Toukent Chts
freshing down	appling I W	allows blate .
the purpose such as car	of the k	nite is to cot things carpet

Disassembly Chart

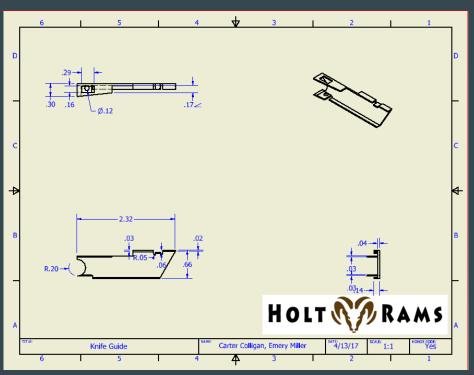
Part #	Part e	Qty	Dimensions	Function	Ma	Density	Mass or Weight	Texture and Finish	Interaction with Other Parts	General Notes (i.e., r, stress indicators)
1	Blade	1.		at stuff	high carbon steel	7.85	39	brund steel	9 7	than the rest of parts
2	(asi	2		contain + gurde	Almainum Almainum	2.7		metal	Jana.	
3	button	1		extend the blate	alium	27-5	109	Stanues Servel	blade	contains spins
4	guida	1		guite the blate along	alimun	27	100	stan FES squal	1 holds black	

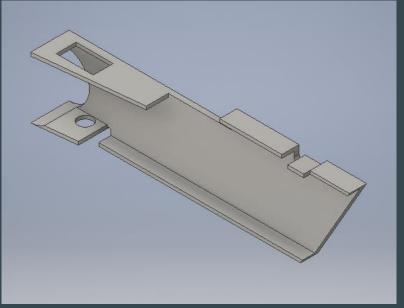
Drawing Files: Blade



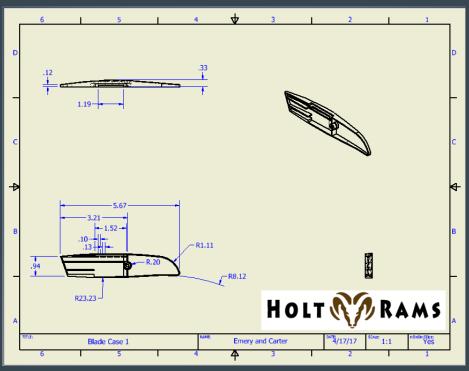


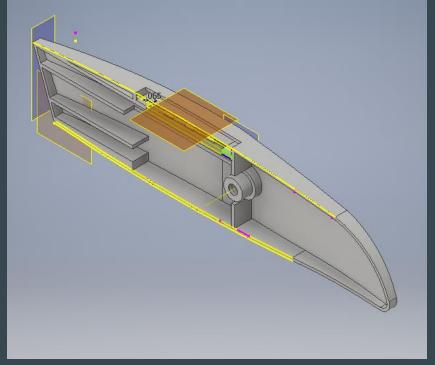
Drawing Files: Blade Guide



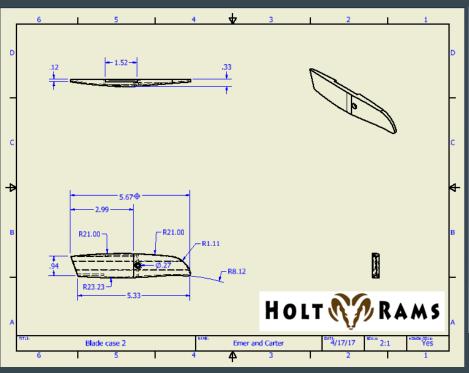


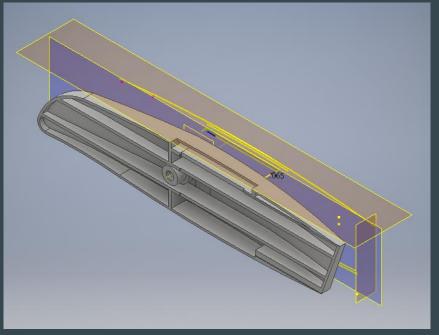
Drawing Files: Blade Case Right Side



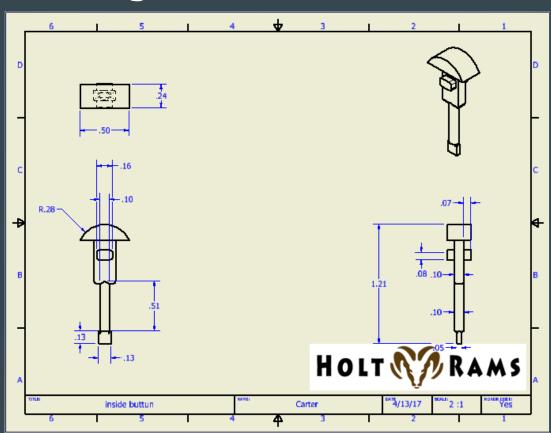


Drawing Files: Blade Case Left Side



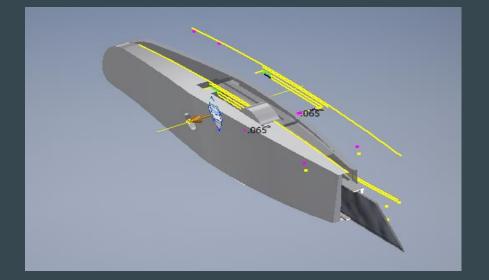


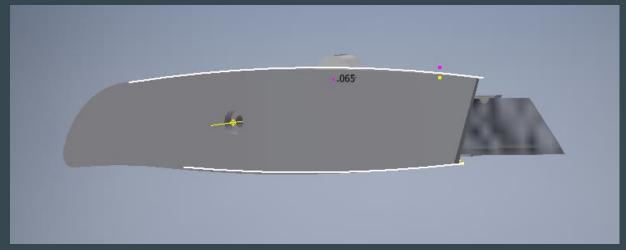
Drawing files: Button



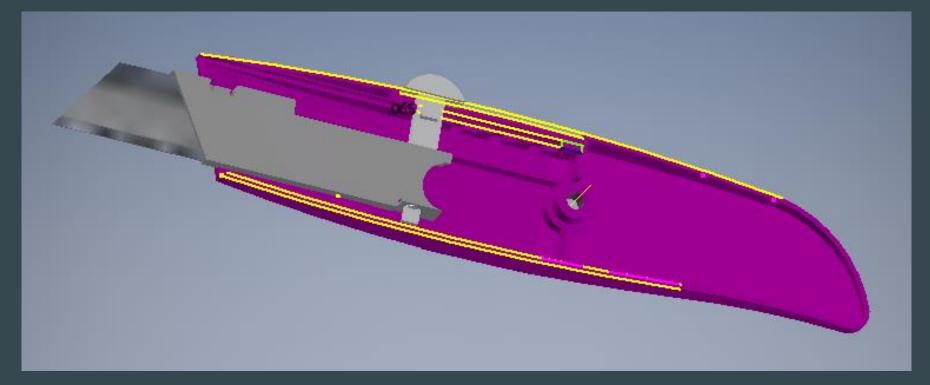


Assembled Knife

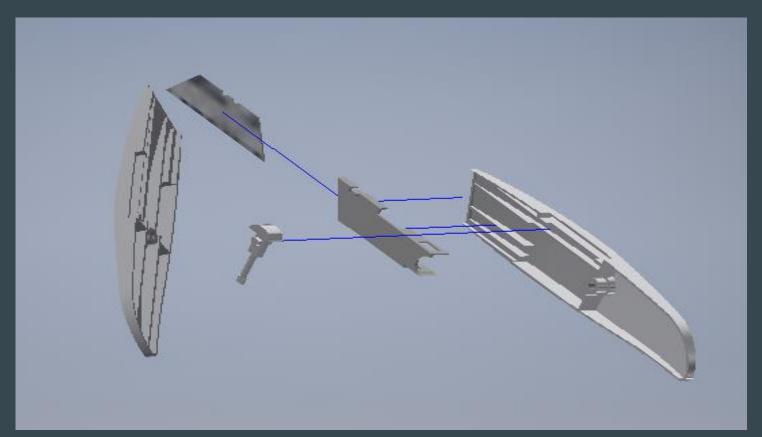




Removed one side from knife, and changed color for contrast



Exploded View





Conclusion

- 1. More than just documentation of parts, electronic modeling and disassembly allows for greater understanding of how things work and ways to improve the design. When disassembled it is much easier to see how parts and their functions can be improved to make the product more efficient.
- 2. The process includes finding all physical properties using the 3D modeling software, and this process allows the producer to establish the materials needed to manufacture the product.
- 3. It is extremely important to have interpersonal skills in the technical field, because there is often a lot of people involved in making even the smallest parts. This creates the necessity for good communication and interpersonal skills as people need to work together to finish products and parts.
- 4. The spring housed inside the casing could be used in another project like a pen or something.