



ENGINEERING DRAWING TITLE BLOCK			
DRAWING NAME	DEEP DRAW TOOLS STORAGE RACKS	REVISIONS	
DRAWING NO.	DC-00-01-02 FIRST ANGLE ELEVATION	No.	DATE
DRAWING BY	FRED WEBBERING	1	
DATE DRAWN	11/05/05	2	
SCALE	NTS	VIEW	PROJECTION
		FIRST ANGLE	3
MATERIALS LIST		TOLERANCES	
802	40 STRUCTURAL & SUPPORT MATERIAL 8" X 8" X 1/2" SQUARE TUBING	DECIMAL	
4	8" X 1/2" ANCHOR PLATES	FRACTIONAL	
15	30 LBS OF STAINLESS STEEL COMPANY BLUE METAL PAINT	ANGULAR	
NOTES			

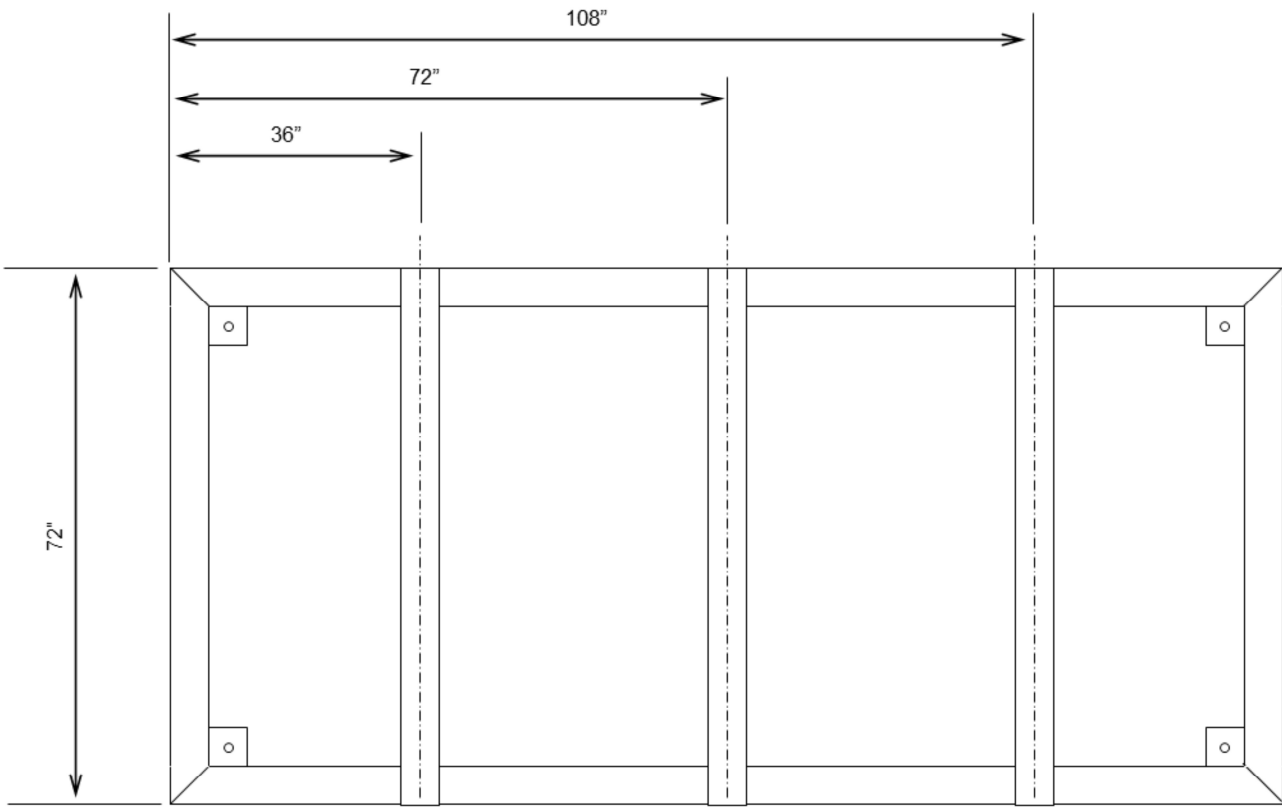
The first 10 slides are a series of drawings that I produced as a first draft for a fabrication job for mold tool storage racks. One of my major projects with a former employer was SMED tool changeover and set up time reduction for deep draw vacuum forming machines.

The current state was that the molding tools - weighing up to 1.5 tons - were stored on the floor jacked up on 4"X4" wooden long blocks. Aside from taking up a large footprint of floor space - there were 10 mold tools - this simply was not a good engineering practice, not to mention 5S practice of handling and storing these very expensive mold tools.

My future state was to design and fabricate 5 two shelved storage racks to set in order the mold tools. After some design reviews the picture below shows one of the finished racks in use. \$27,000.00 thousand dollars to have 5 made and yes, that included shipping and handling.

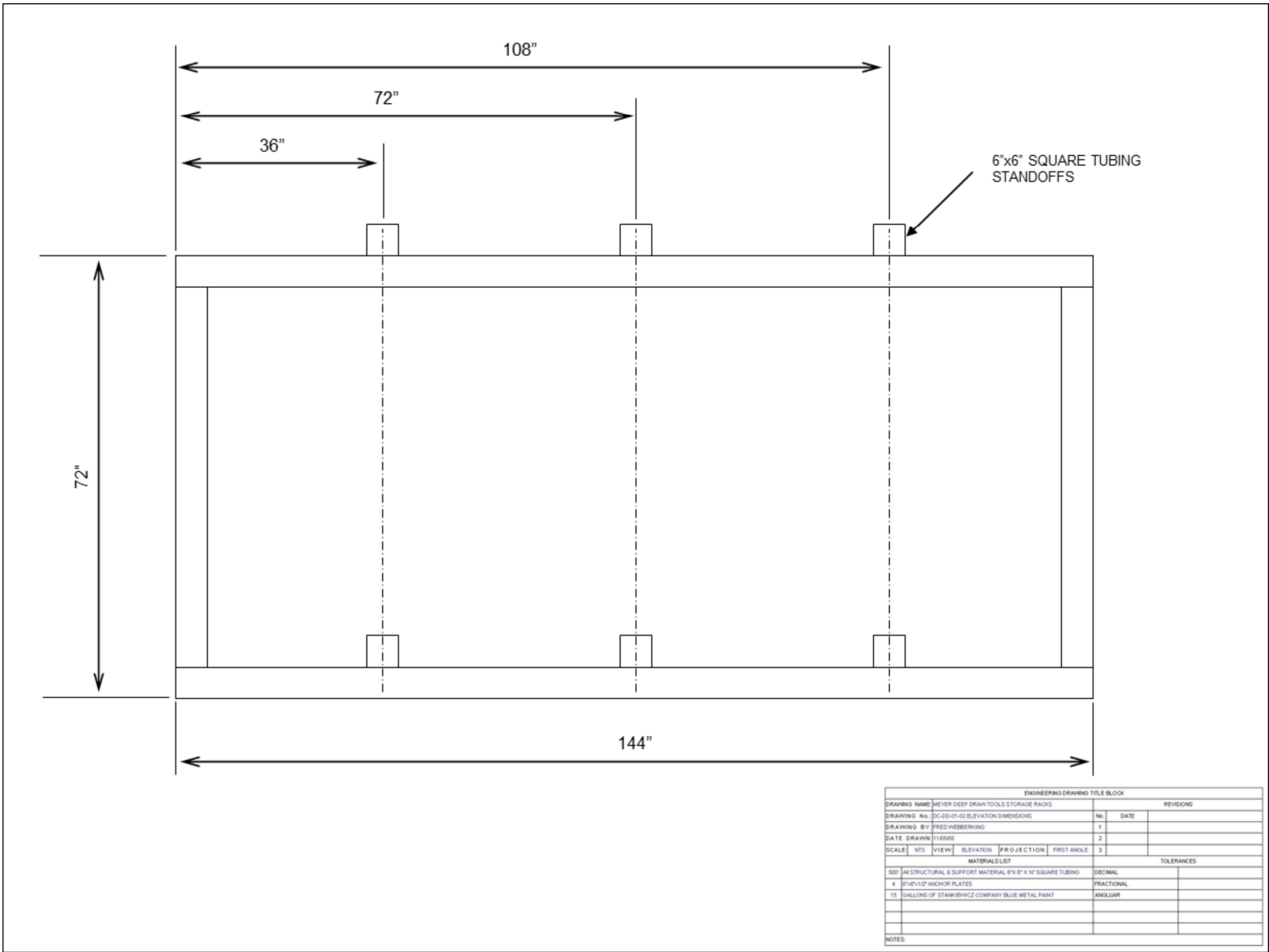


Cont.

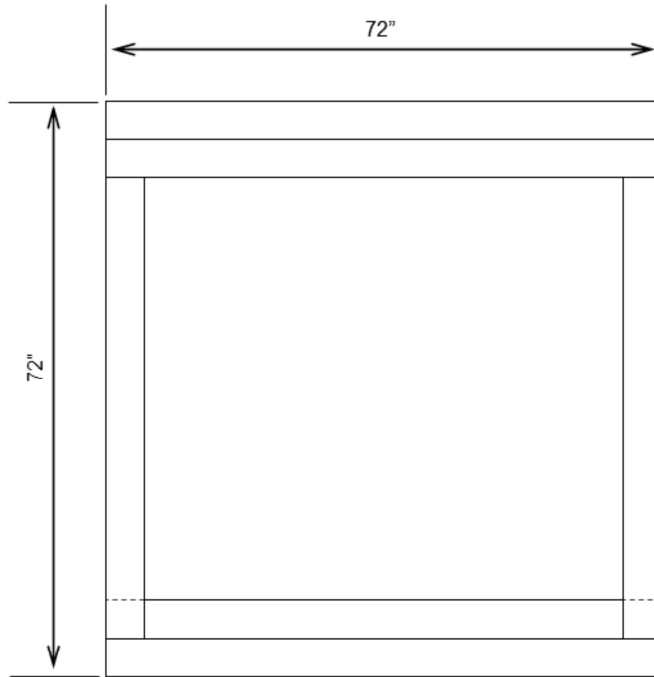


ENGINEERING DRAWING TITLE BLOCK					
DRAWING NAME				REVISIONS	
NEVER DEEP DRAW TOOLS STORAGE RACKS				NO.	DATE
DRAWING No. DC-00-01-02 PLAN DIMENSIONS				1	
DRAWING BY FRED WEBBERKING				2	
DATE DRAWN 11/20/55				3	
SCALE	NTS	VIEW	PLAN	PROJECTION	FIRST ANGLE
MATERIALS LIST					
502	14	STRUCTURAL & SUPPORT MATERIAL 3/4" X 3/4" X 1/2" SQUARE TUBING	DECIMAL		
4	8	3/8" X 1/2" ANCHOR PLATES	FRACTIONAL		
15		GALLONS OF STANKIEWICZ COMPANY BLUE METAL PAINT	ANGULAR		
TOLERANCES					
NOTES					

I drew this in first angle projection - plan view.



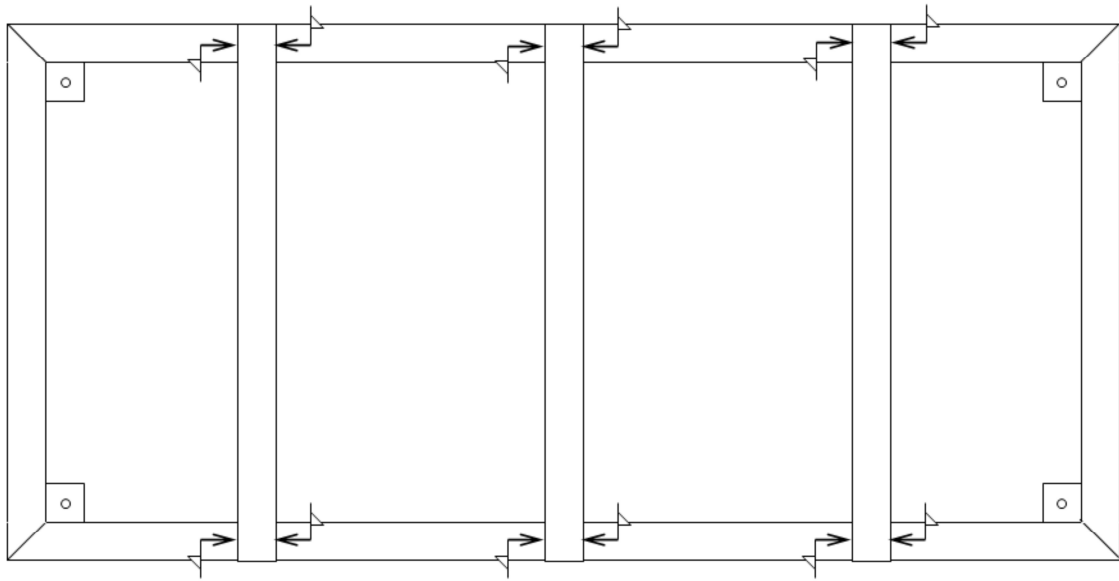
I drew this in first angle projection - elevation view.



ENGINEERING DRAWING TITLE BLOCK						
DRAWING NAME			NO.		REVISIONS	
NEVER DEEP DRAW TOOLS STORAGE RACKS						
DRAWING No. DC-00-01-02 END DIMENSIONING			1		DATE	
DRAWING BY FRED WEBBERING			2			
DATE DRAWN 11/05/05			3			
SCALE	HTS	VIEW	END	PROJECTION	FIRST ANGLE	
MATERIALS LIST						
002	1/4" STRUCTURAL & SUPPORT MATERIAL 3/8" X 1/2" SQUARE TUBING				DECIMAL	
4	3/8" X 1/2" ANCHOR PLATES				FRACTIONAL	
15	GALLONS OF STANKIEWICZ COMPANY BLUE METAL PAINT				ANGULAR	
TOLERANCES						
NOTES						

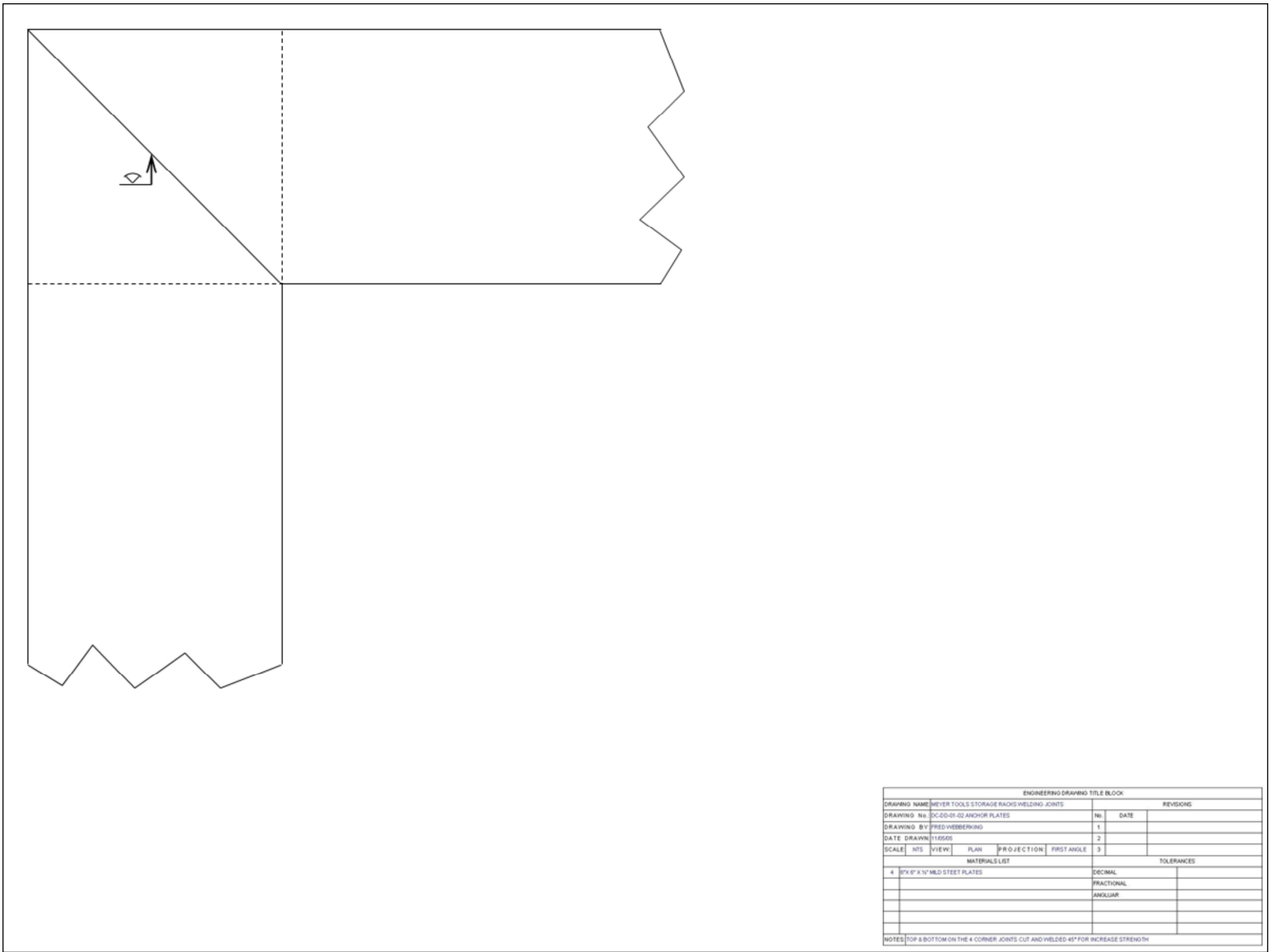
I drew this in first angle projection - end view.





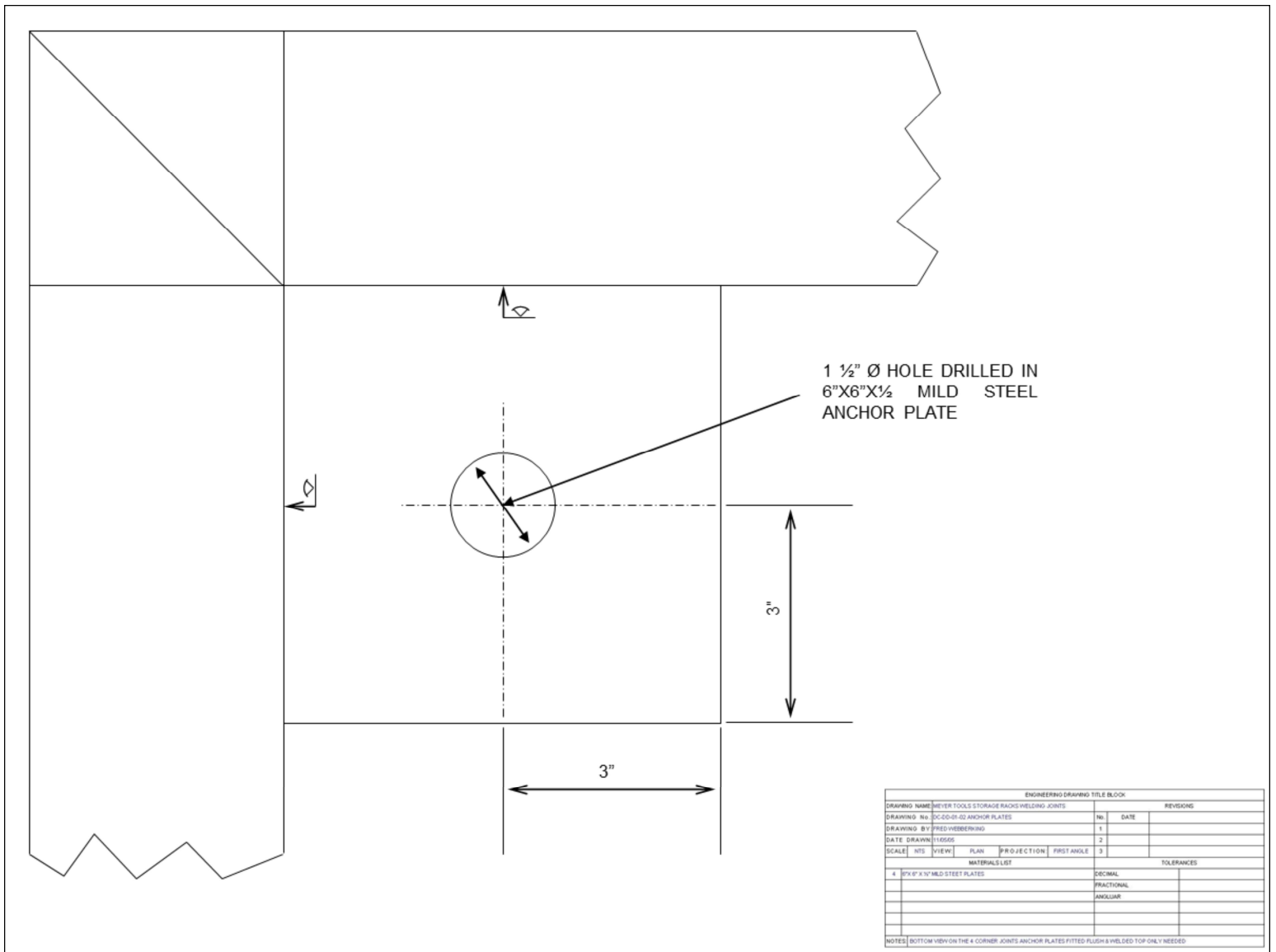
ENGINEERING DRAWING TITLE BLOCK						
DRAWING NAME		MEYER DEEP DRAW TOOLS STORAGE RACK		REVISIONS		
DRAWING No.	00-00-01-02 WELDING JOINTS	No.	1	DATE		
DRAWING BY	FRED WEDDERKIND					
DATE DRAWN	11/05/05		2			
SCALE	NTS	VIEW	ELEVATION	PROJECTION	FIRST ANGLE	3
MATERIALS LIST						
002	AS STRUCTURAL & SUPPORT MATERIAL	8" X 8" X 1/2" SQUARE TUBING	DECIMAL			
4	3/8" X 1/2" ANCHOR PLATES		FRACTIONAL			
15	DALLING OF STANKOVICZ COMPANY BLUE METAL PAINT		ANGULAR			
NOTES						

I drew this in first angle projection - auxiliary views for welding joints.



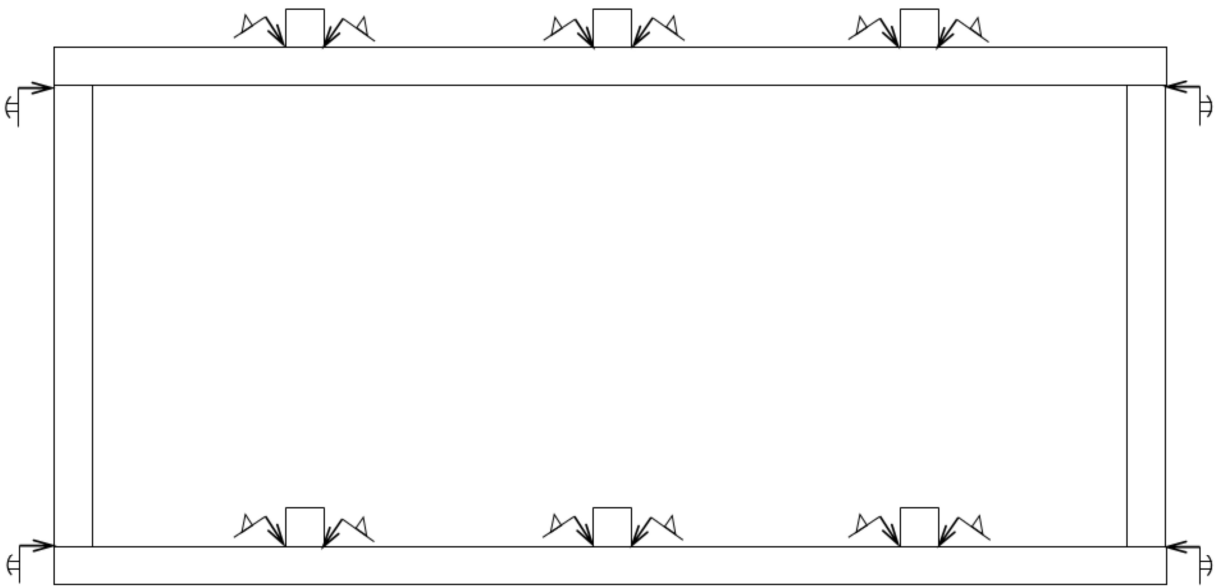
ENGINEERING DRAWING TITLE BLOCK						
DRAWING NAME					REVISIONS	
DRAWING No.	DC-00-01-02 ANCHOR PLATES	No.	DATE			
DRAWING BY	FRED WEBBERKING	1				
DATE DRAWN	11/05/05	2				
SCALE	NIS	VIEW	PLAN	PROJECTION	FIRST ANGLE	3
MATERIALS LIST				TOLERANCES		
4	5/16" X 1/4" MILD STEEL PLATES			DECIMAL		
				FRACTIONAL		
				ANGULAR		
NOTES: TOP & BOTTOM ON THE 4 CORNER JOINTS CUT AND WELDED 45° FOR INCREASE STRENGTH						

I drew this in first angle projection - auxiliary views for welding joints.



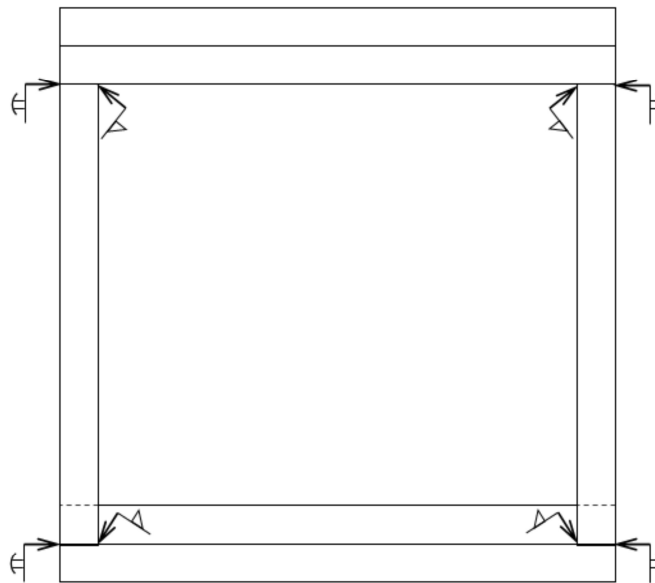
I drew this in first angle projection - auxiliary views for welding joints.





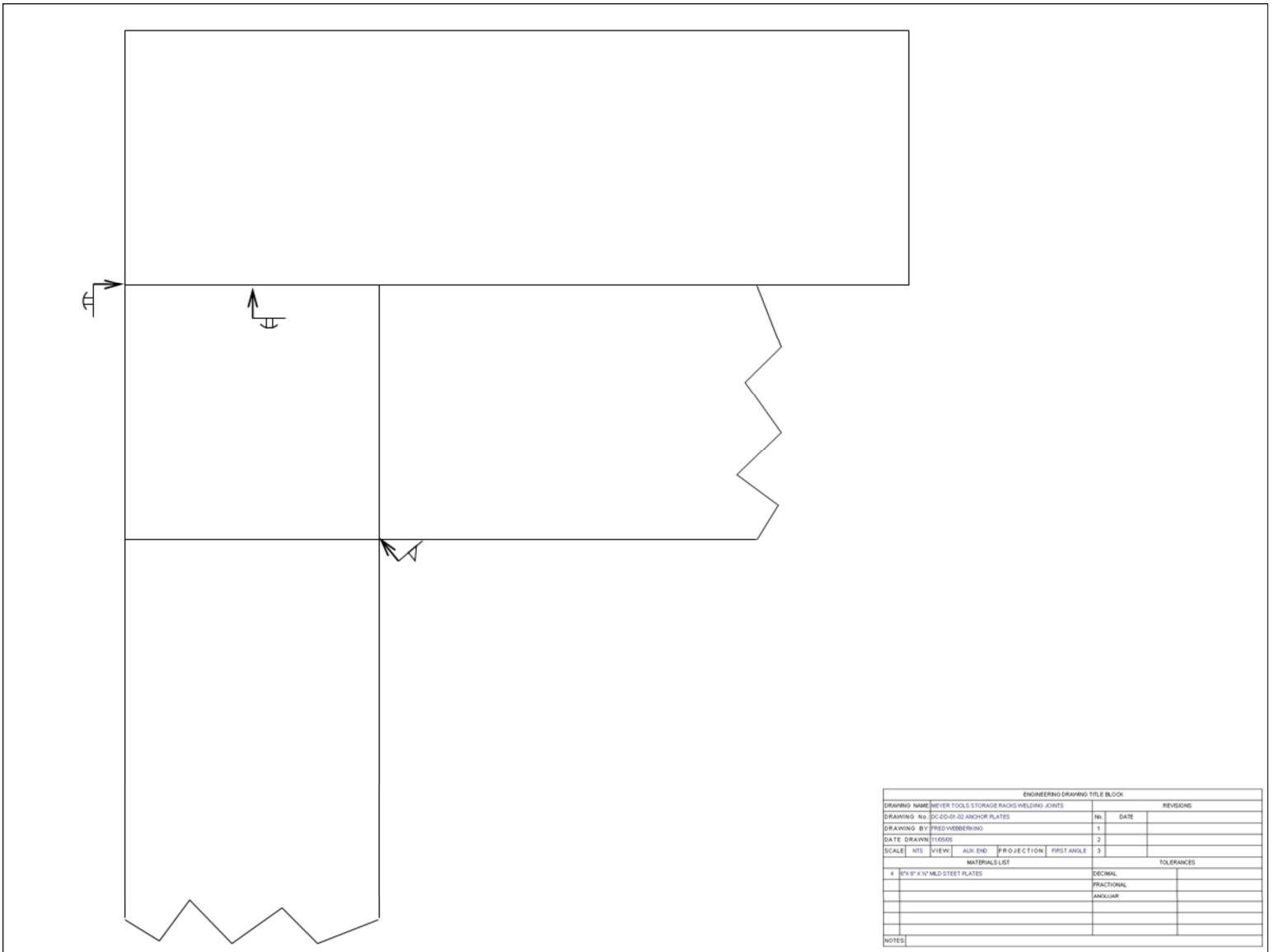
ENGINEERING DRAWING TITLE BLOCK						
DRAWING NAME: BEVER TOOLS STORAGE RACKS WELDING JOINTS			NO.		REVISIONS	
DRAWING No: DC-00-01-02 ANCHOR PLATES			1	DATE		
DRAWING BY: FRED WEDBERG			2			
DATE DRAWN: 11/05/05			3			
SCALE	HTS	VIEW	PLAN	PROJECTION	FIRST ANGLE	
MATERIAL LIST						TOLERANCES
4 5/16" X 1/2" MILD STEEL PLATES						DECIMAL
						FRACTIONAL
						ANGULAR
NOTES: CROSS MEMBERS WELDED JOINT TOP & BOTTOM						

I drew this in first angle projection - auxiliary views for welding joints.



ENGINEERING DRAWING TITLE BLOCK						
DRAWING NAME				NO.		REVISIONS
SEVER TOOLS STORAGE RACKS WELDING JOINTS						
DRAWING No. DC-00-01-02 ANCHOR PLATES				No.	DATE	
DRAWING BY FRED WEBBERKING				1		
DATE DRAWN 11/05/05				2		
SCALE				HTS	VIEW	END
				PROJECTION	FIRST ANGLE	3
MATERIAL LIST				TOLERANCES		
4 5/16" X 1/2" MILD STEEL PLATES				DECIMAL		
				FRACTIONAL		
				ANGULAR		
NOTES						

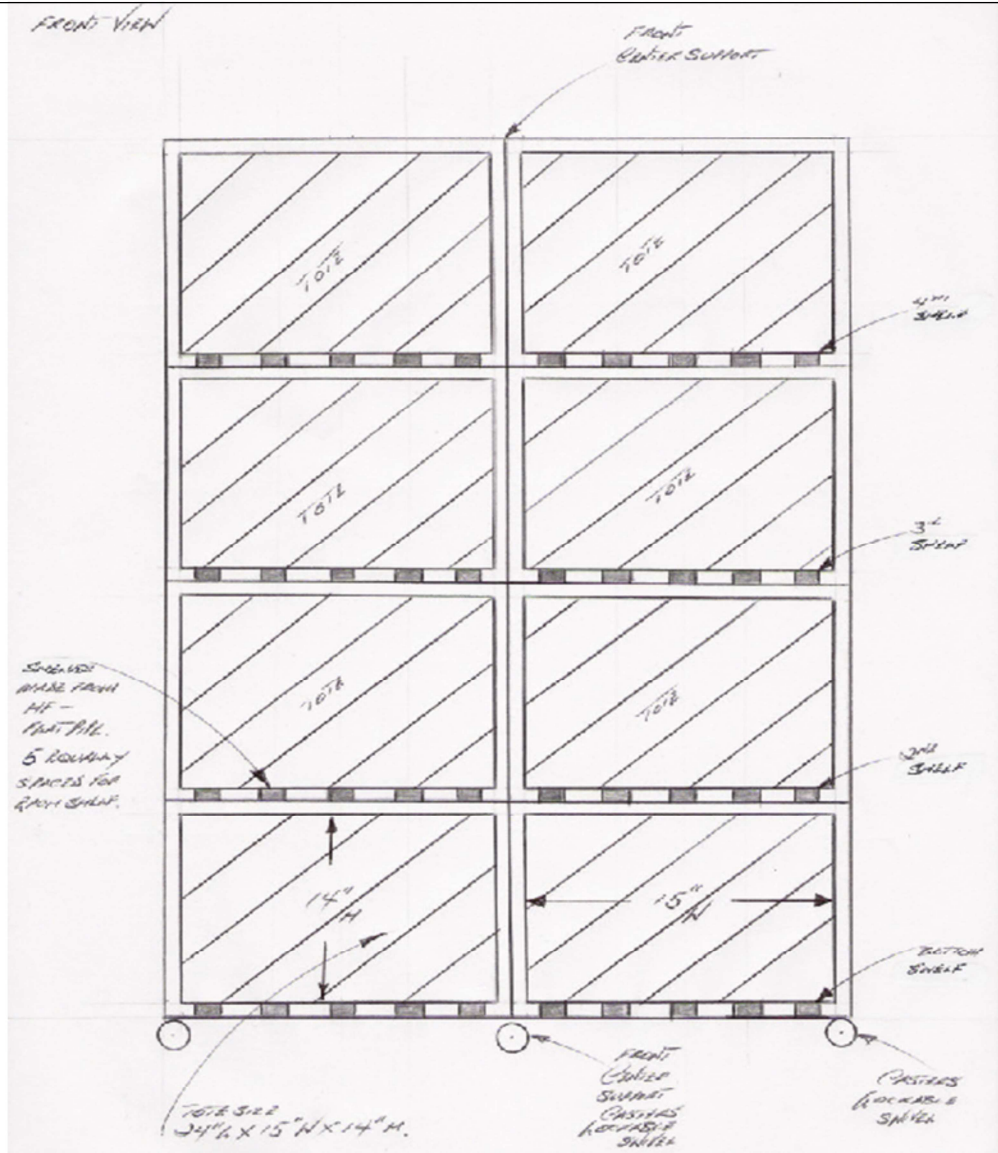
I drew this in first angle projection - auxiliary views for welding joints.



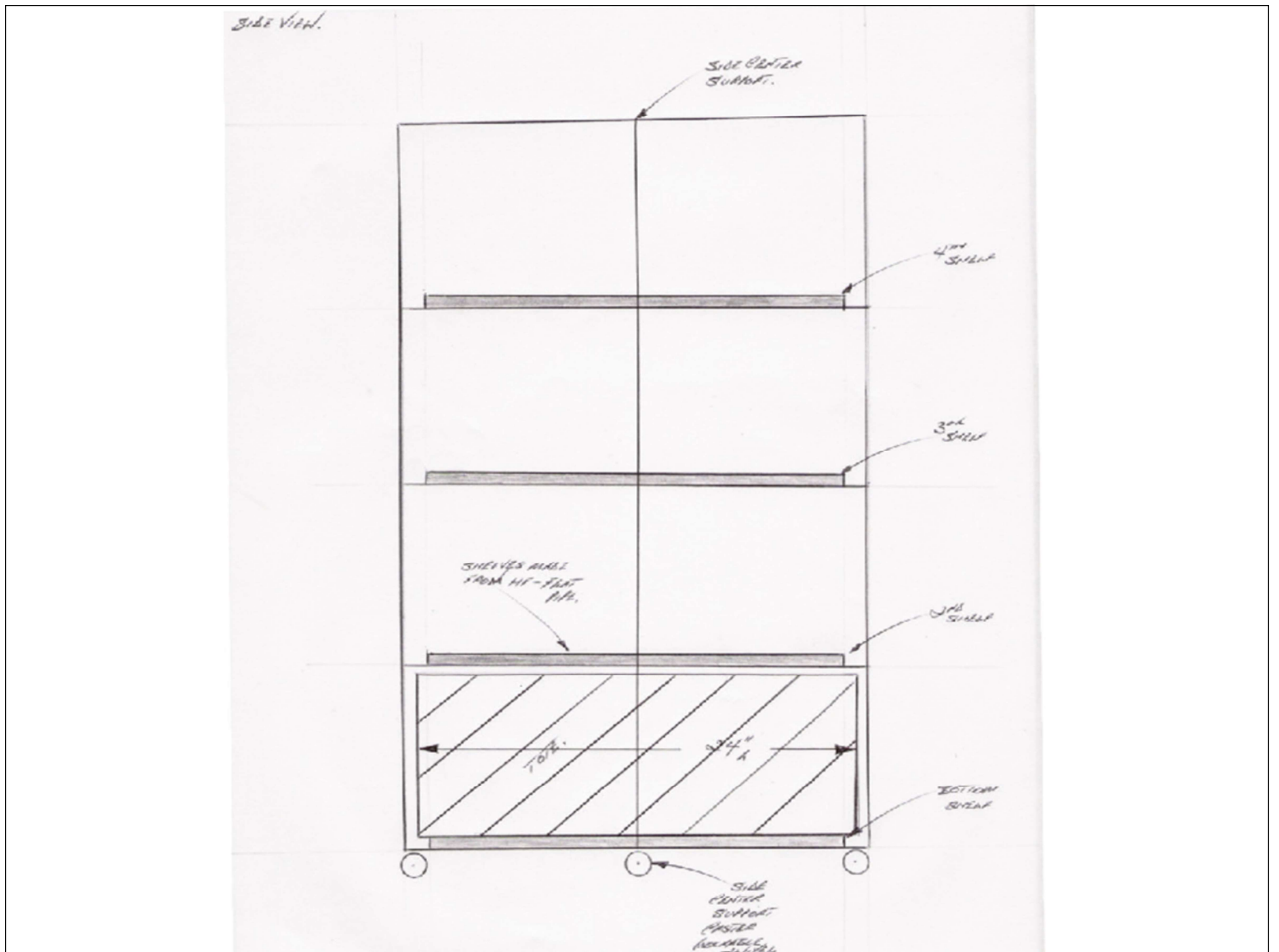
I drew this in first angle projection - auxiliary views for welding joints. Picture showing another rack in use.



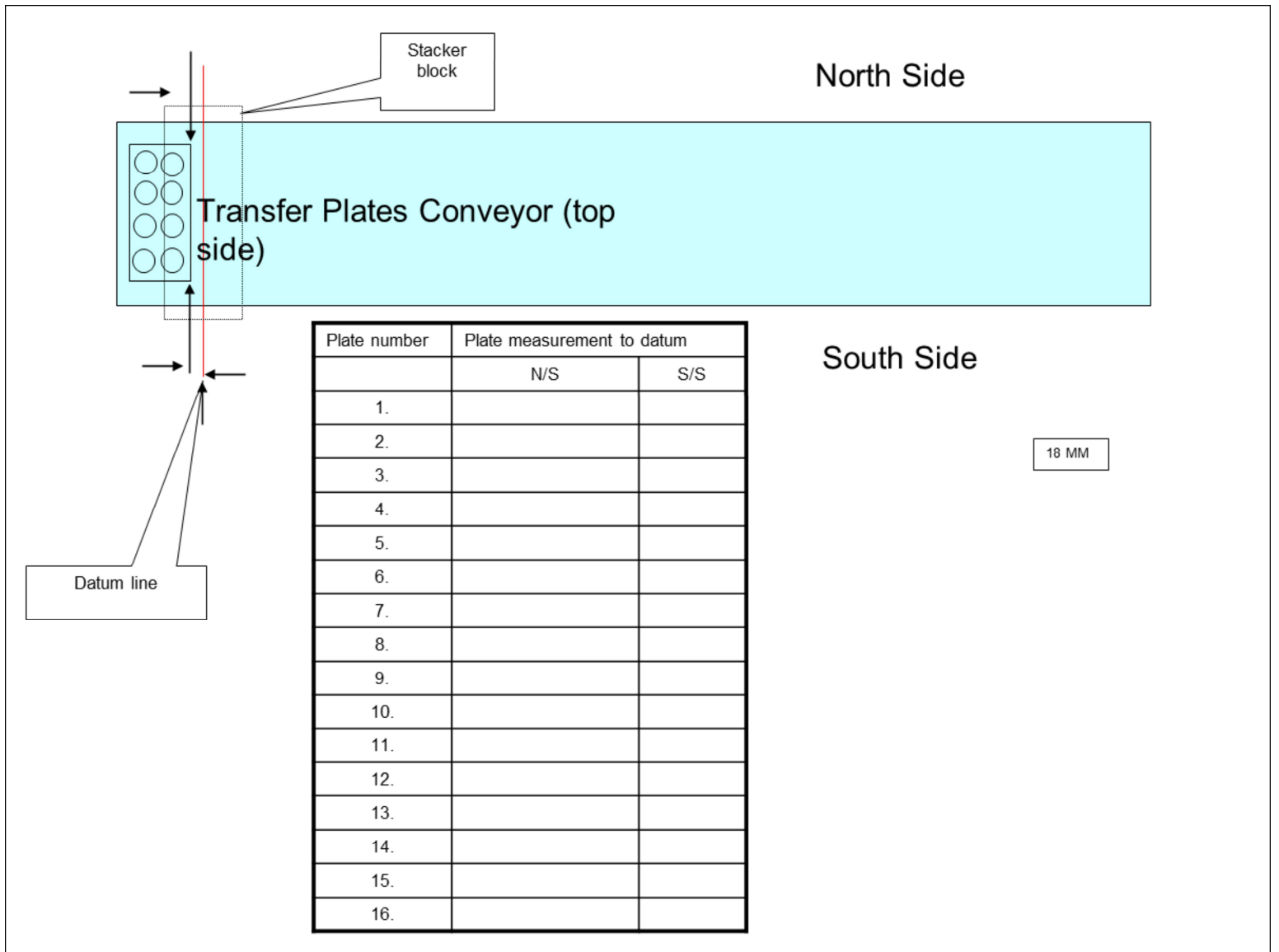
FRONT VIEW



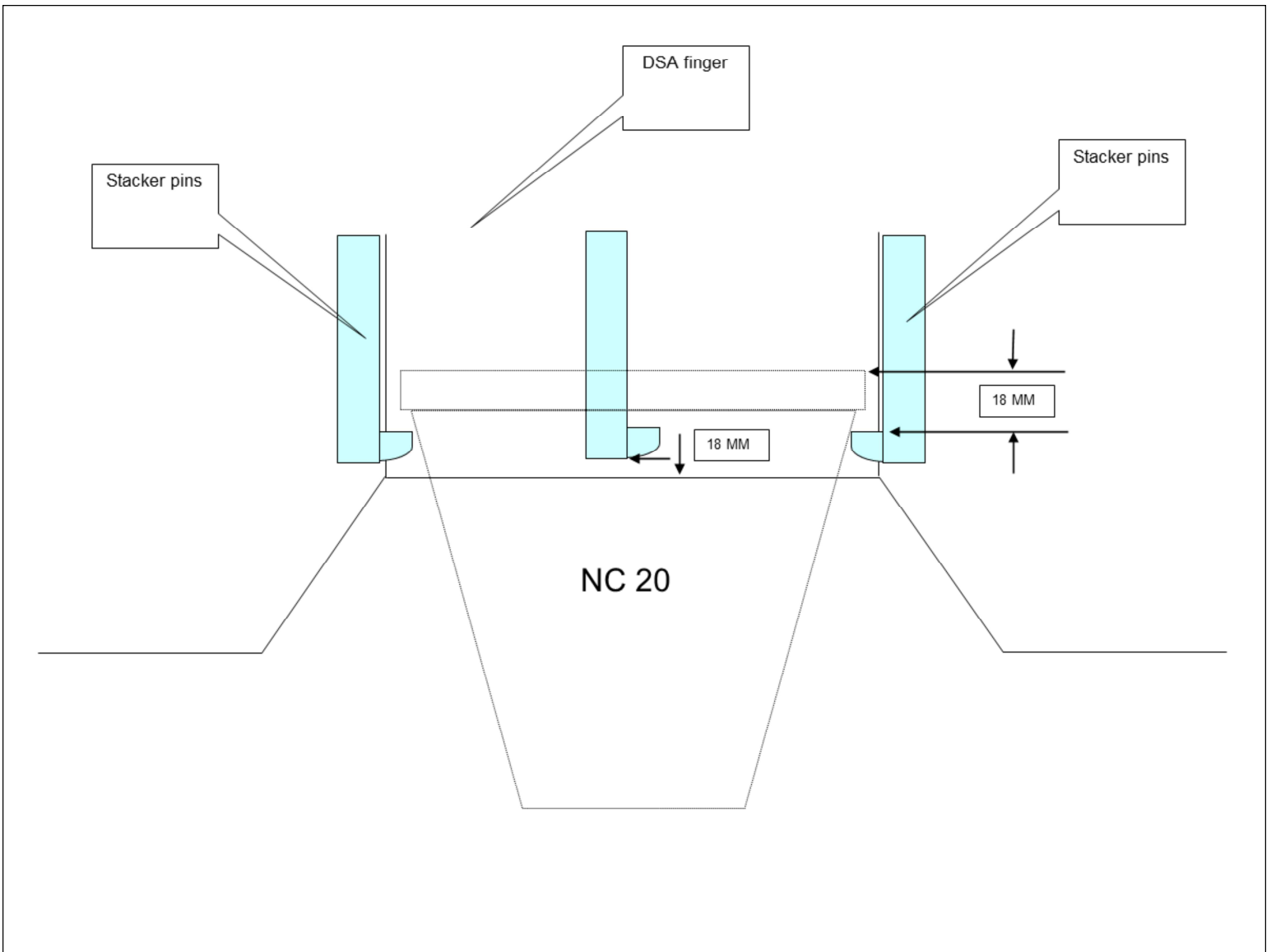
Drawing of tote storage rack - front view.



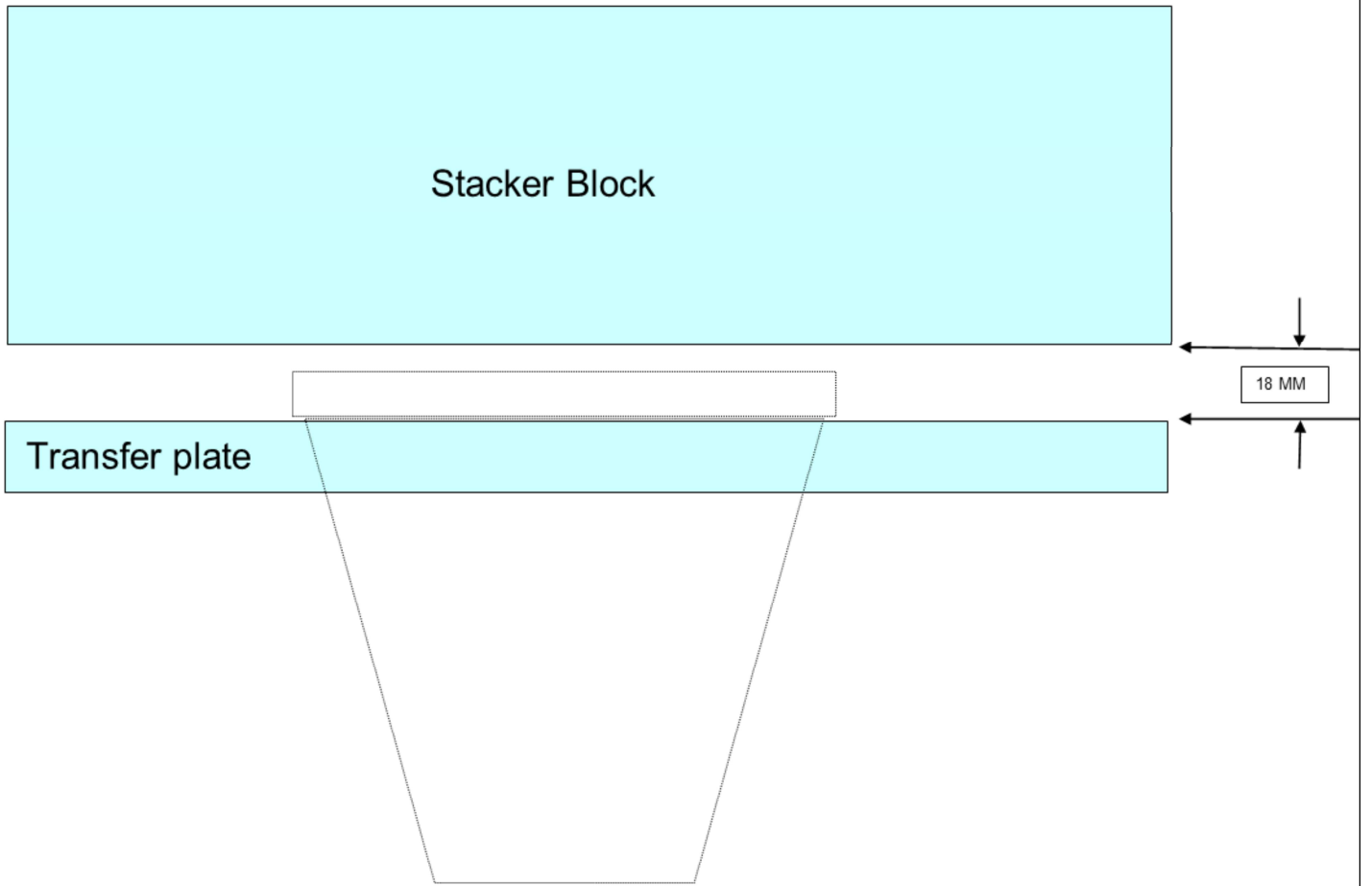
Drawing of tote storage rack - side view.



The next series of diagrams I drew up to make an transfer alignment centering tool pin that would pass through to an lifting station. Problems and time delays were encountered as the alignment was done by eye with a combination of using a product sample to make this critical alignment. This tool would save a lot of time in the alignment element of the tool changeover.



Product sample being used for alignment.



Alignment through transfer plate.



Picture showing the stacker block.

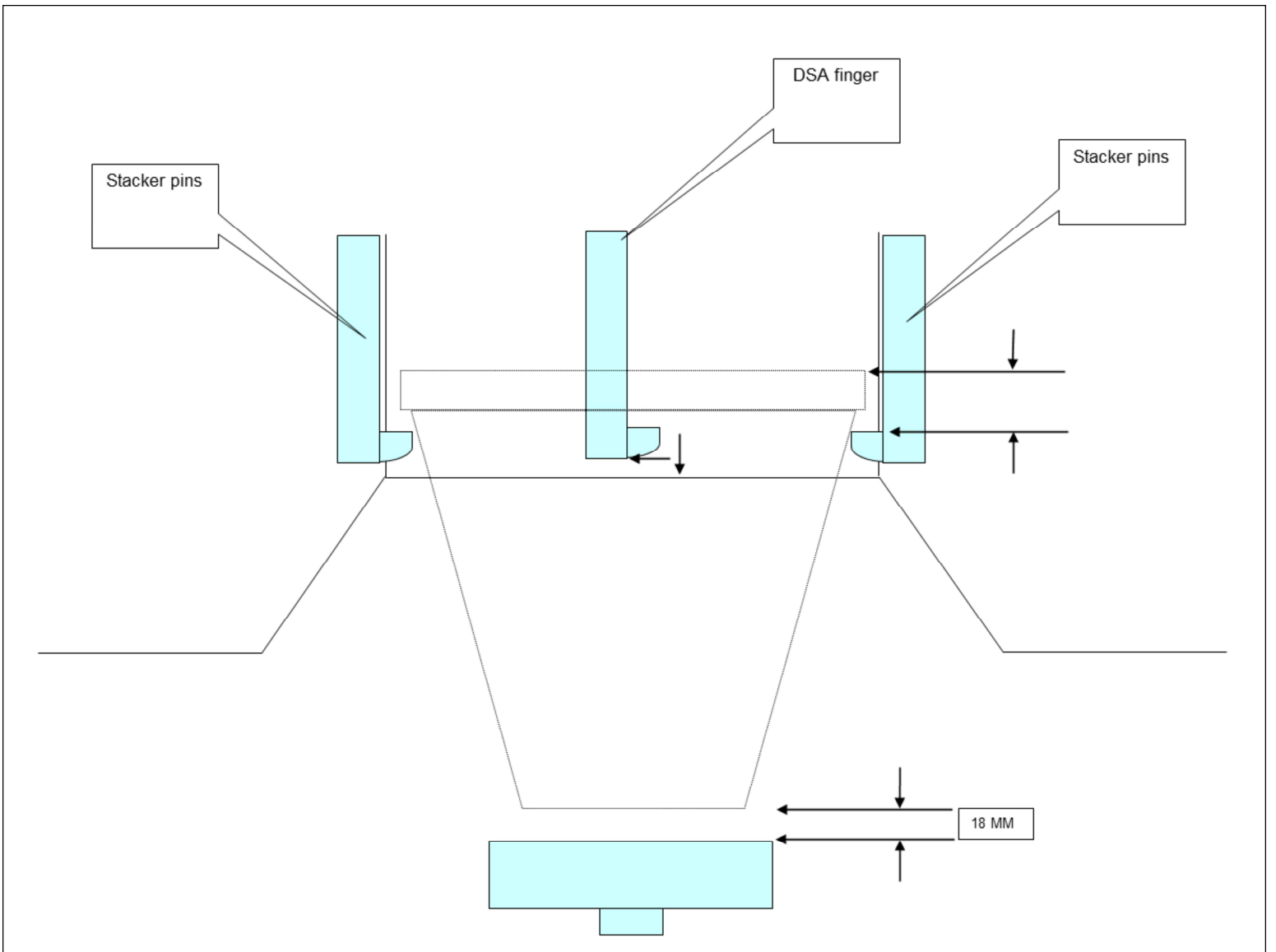
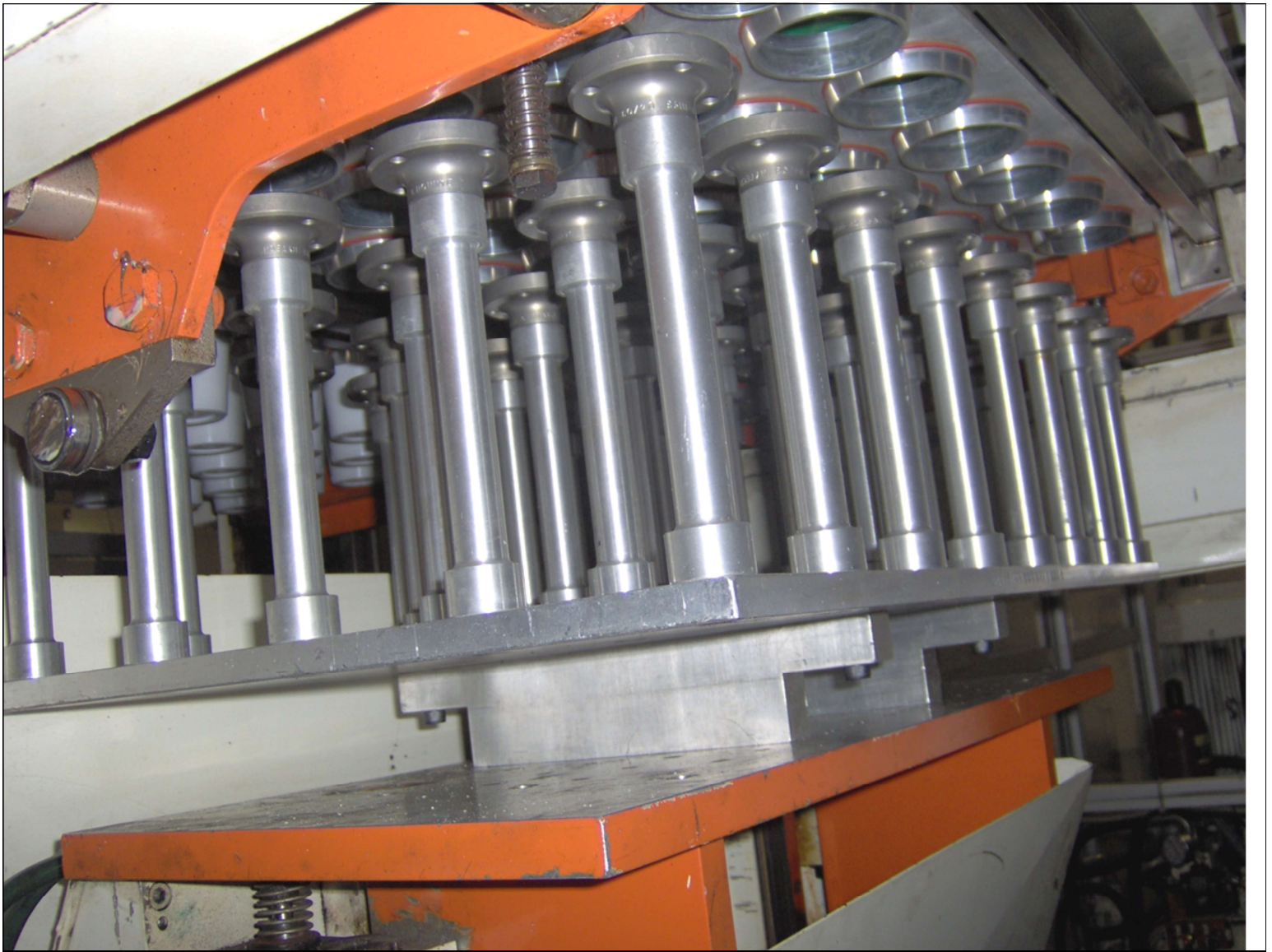


Diagram showing lifting station.



Picture showing the lifting station through the transfer plate.

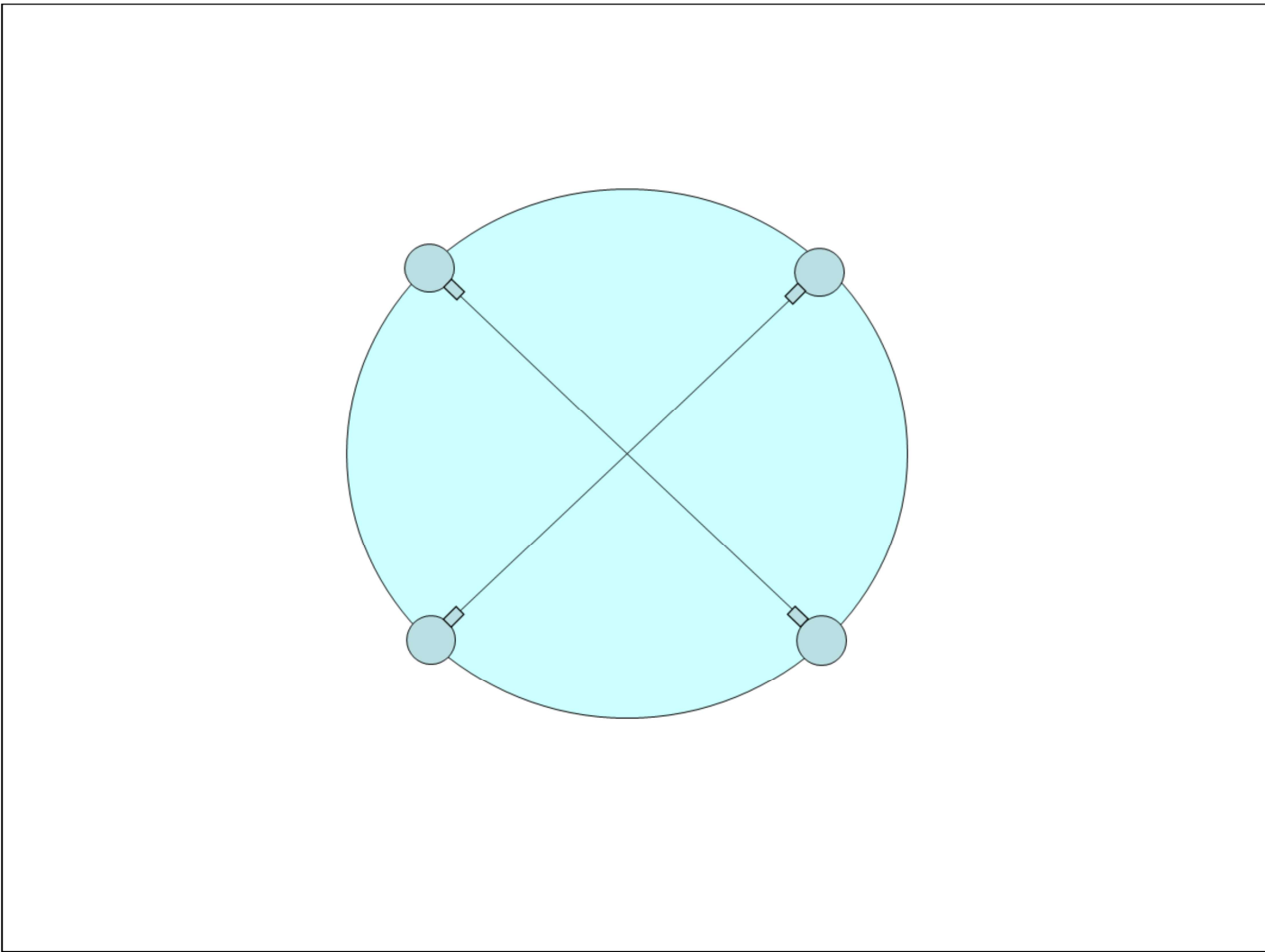


Diagram showing Z axis looking down through the top of the stacker block.

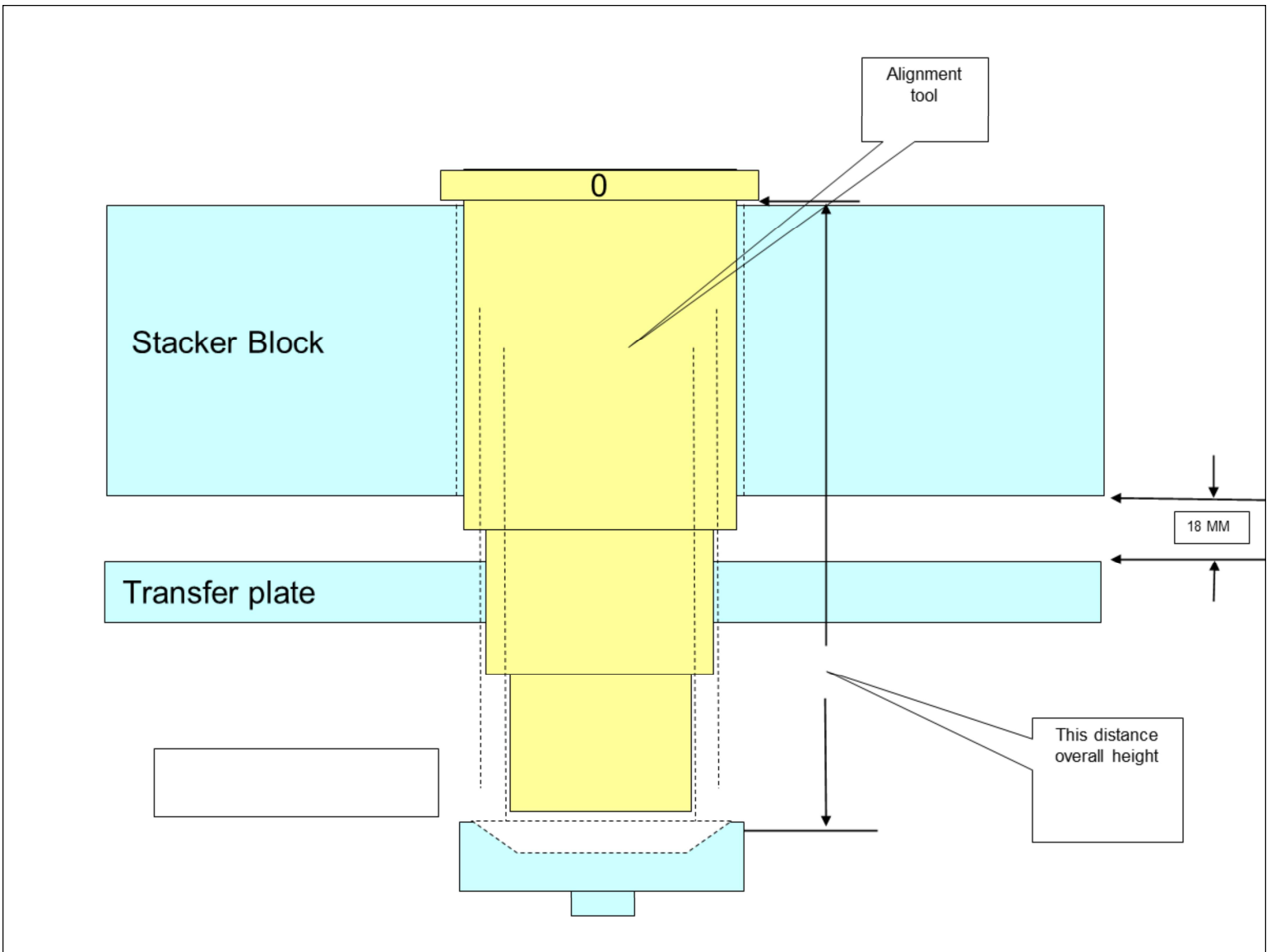
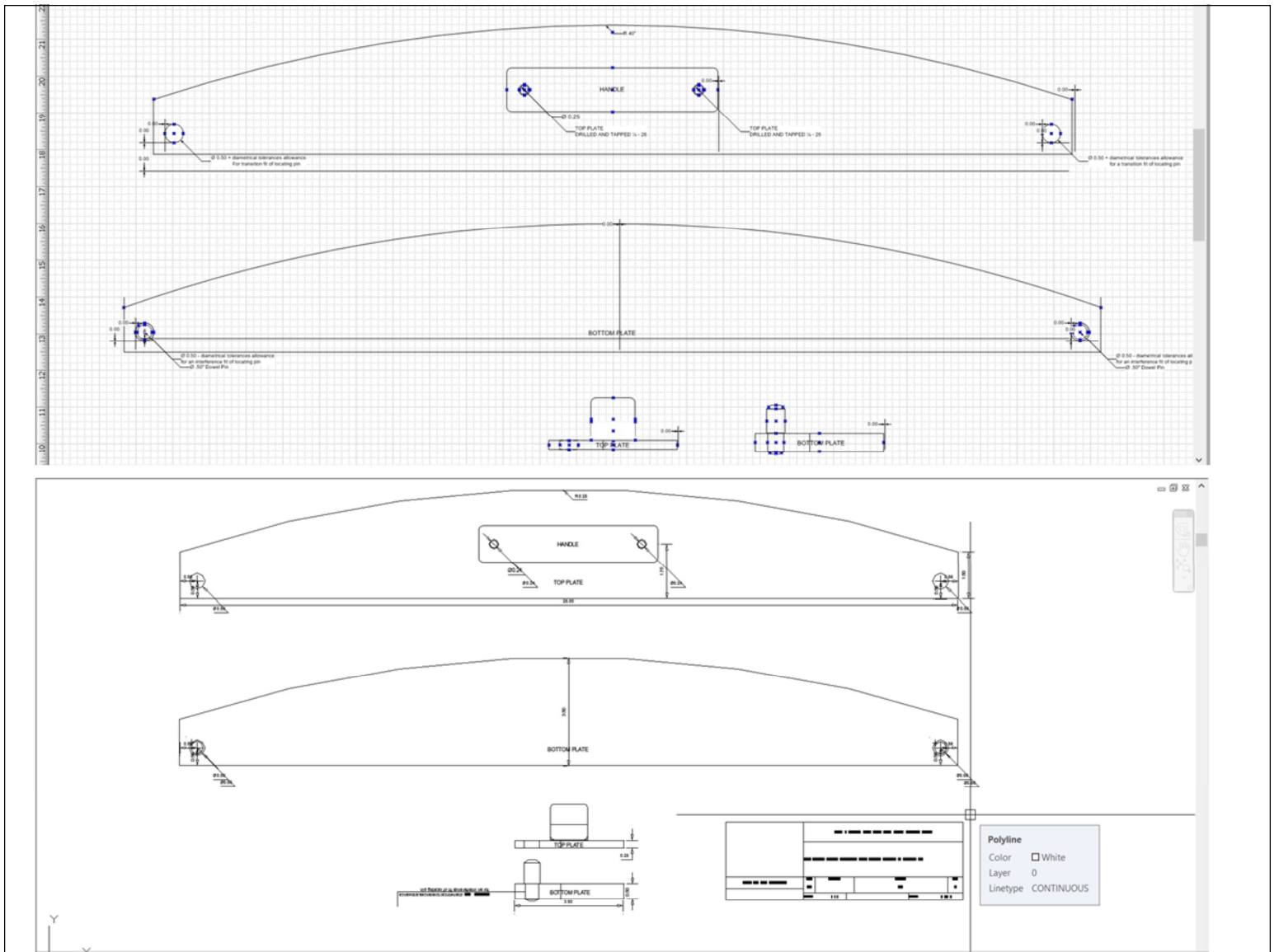
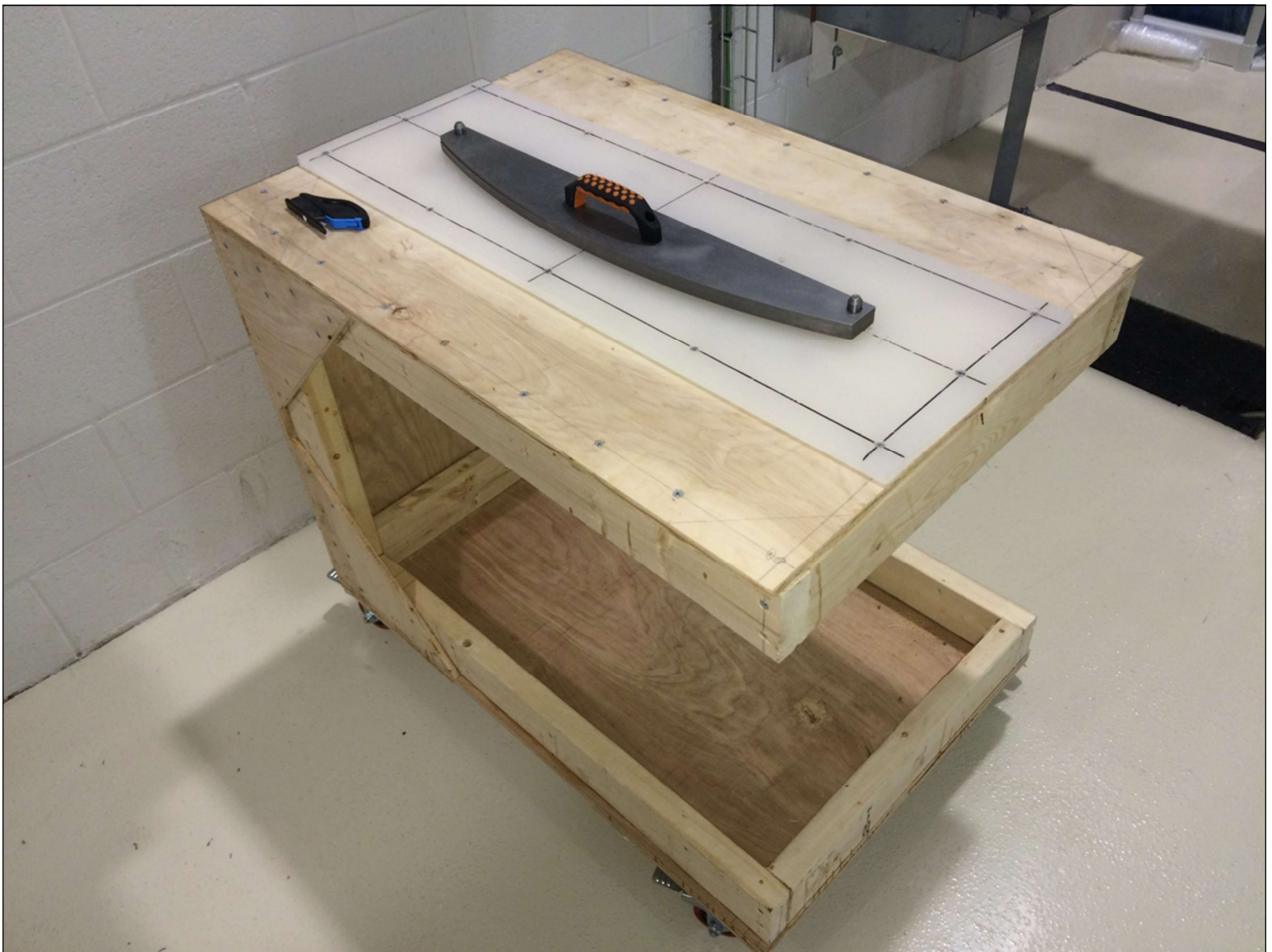


Diagram showing the alignment tool installed to make the necessary alignment of the components.



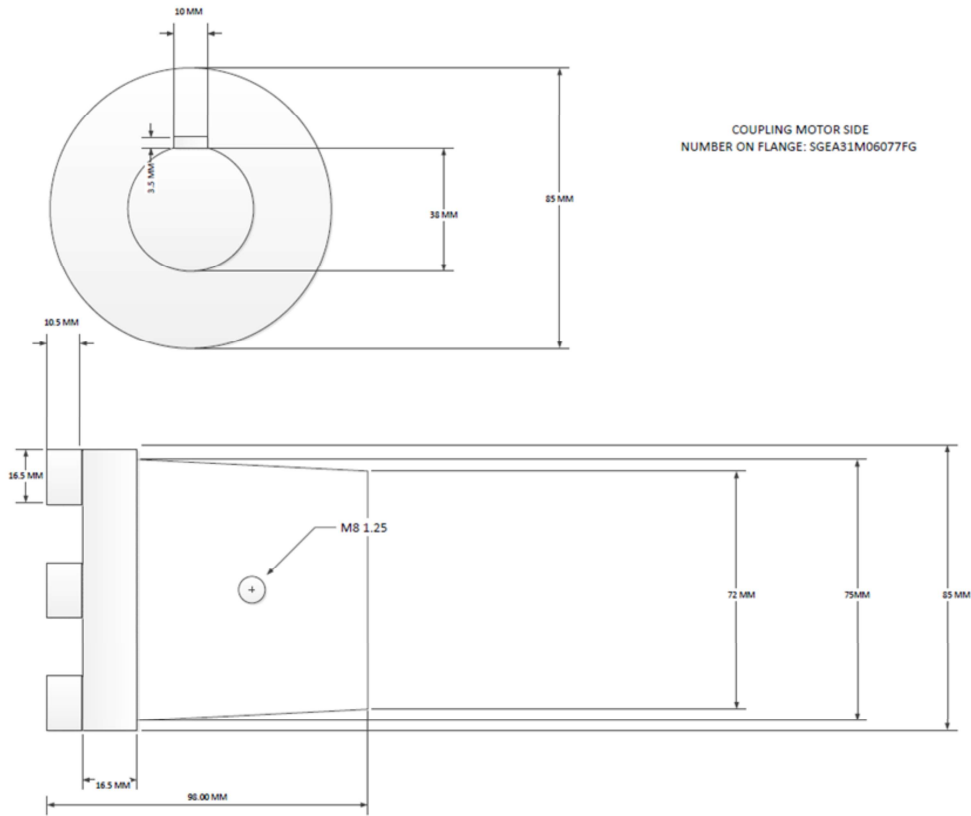
This is a drawing of a cutting guide I first created in MS Visio. Later I had to re-draw it in AutoCAD for the machine shop to scan it into their CNC water jet cutter.



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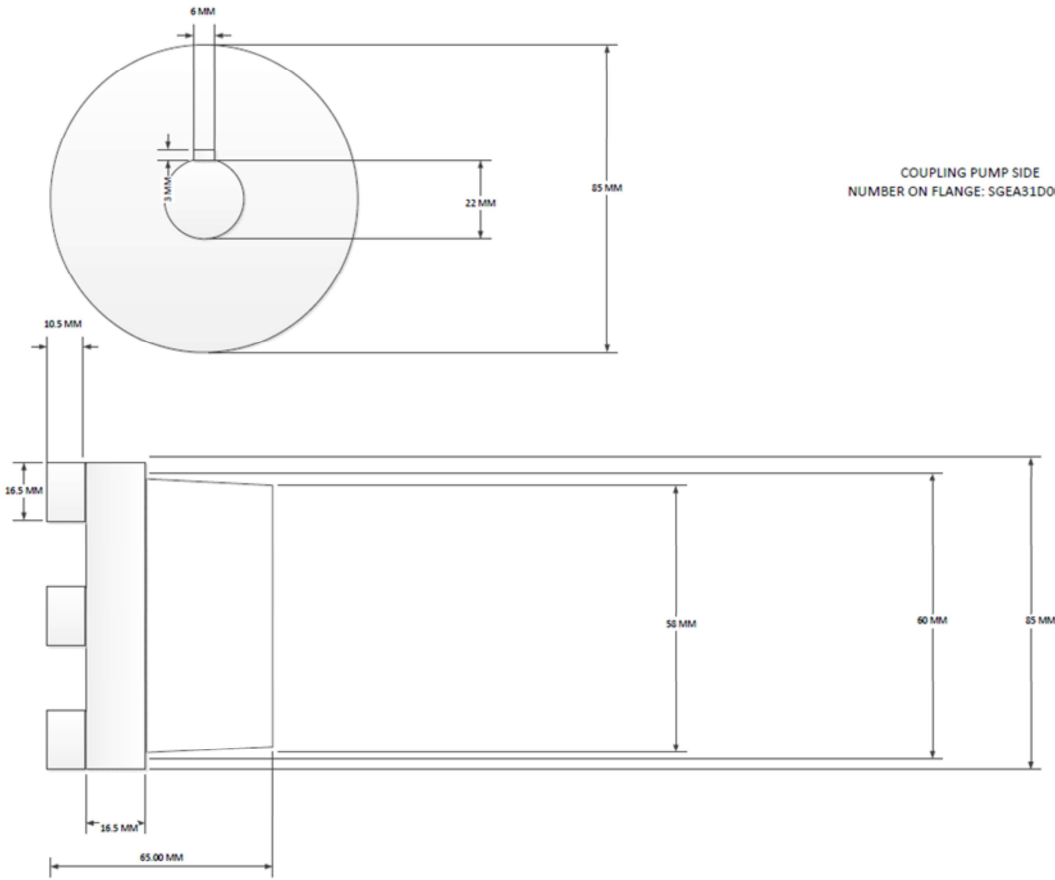
Cont.

Actual piece installed on a mobile platform.



This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

Page 1 of 2.



COUPLING PUMP SIDE
 NUMBER ON FLANGE: SGEA31D000042

This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

Page 2 of 2.

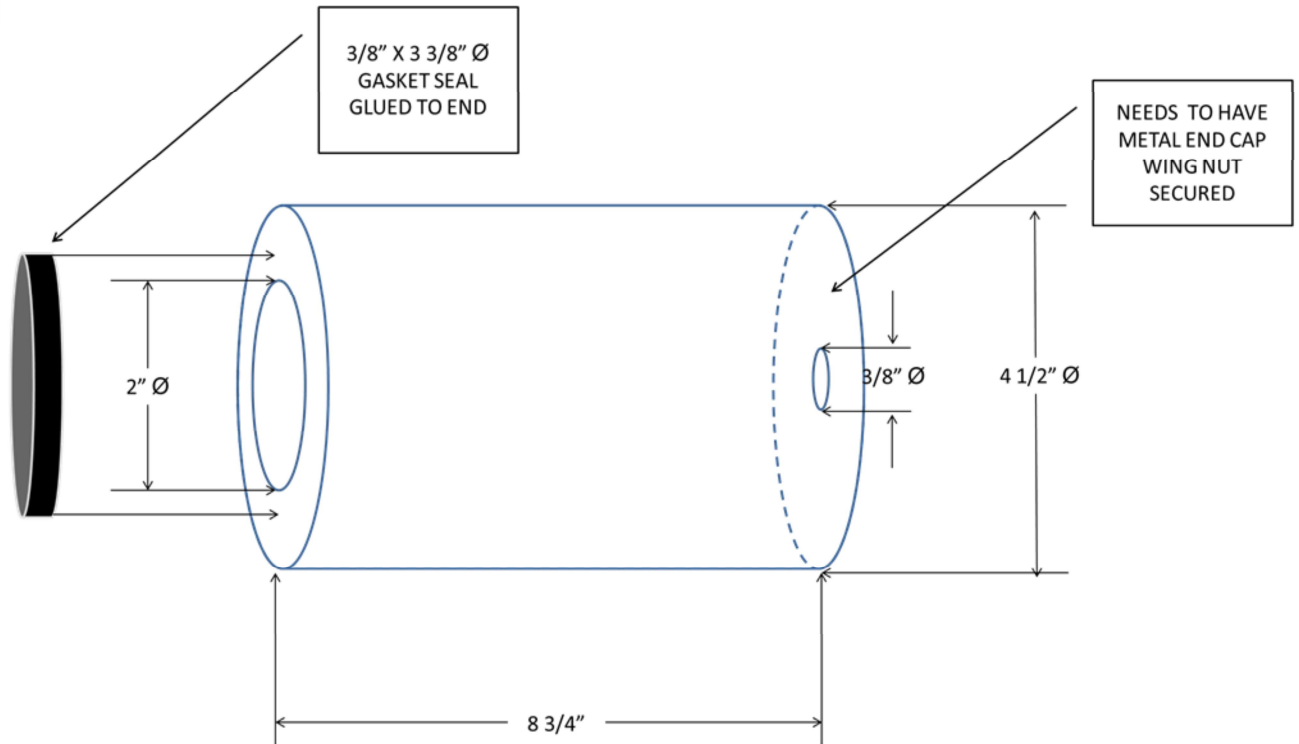
DRAWING NOT TO SCALE

VACUUM/BLOWER RELIEF VALVE FILTER

THIS IS NEEDED TO FIT ALL 7 VACUUM/BLOWERS A1, A2, B, E1, E2, C, & D

AT EACH DOWN DAY WE WILL NEED X 7 OF THESE FILTERS ON HAND STAGED AT POINT OF USE STORAGE

OUR P/N: 34883



2

Is anyone going to know or remember me for these contributions that I have made to society? Vacuum blower filters. We had a mismatch of vacuum blowers with every combination of filters with no information on them so I had to measure them all, draw them and resource them.

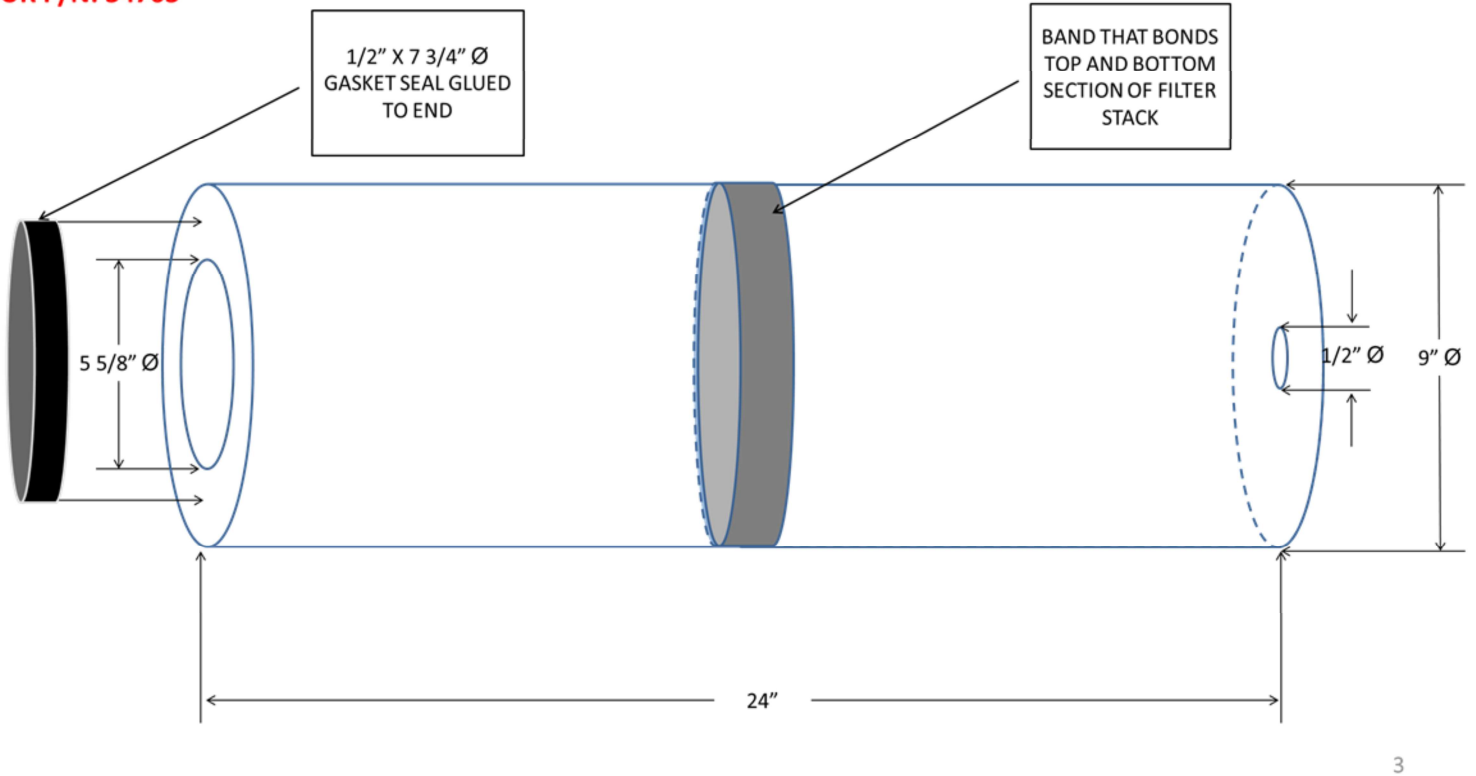
Page 1 of 5.

DRAWING NOT TO SCALE

VACUUM/BLOWER DUST COLLECTOR

**THIS IS NEEDED TO FIT A1, B & E1 DOSING UNITS DUST COLLECTORS FORM A STACK OF TWO FILTERS BANDED TOGETHER
AT EACH DOWN DAY WE WILL NEED X 3 OF THESE FILTERS ON HAND STAGED AT POINT OF USE STORAGE**

OUR P/N: 34763



This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

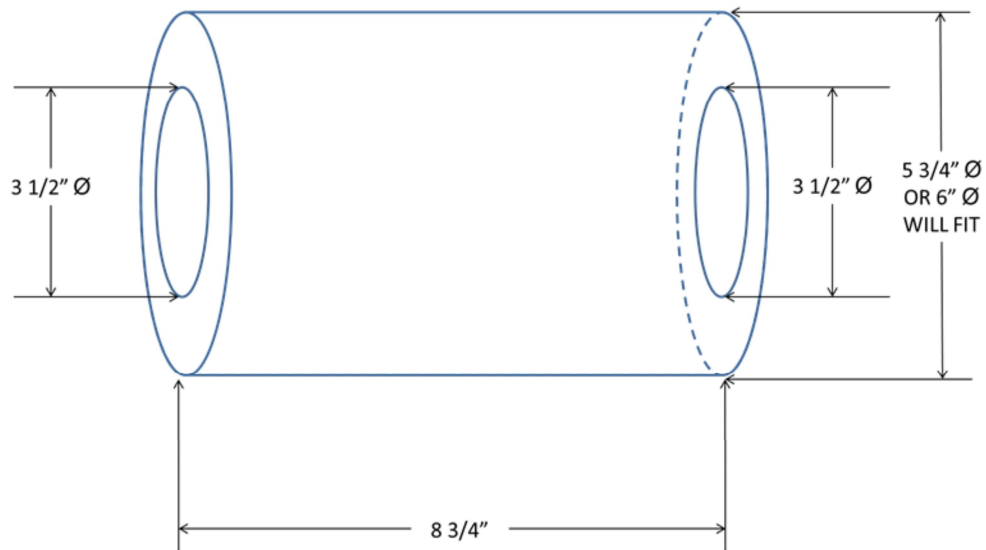
DRAWING NOT TO SCALE

VACUUM/BLOWER INTAKE FILTER

THIS IS NEEDED TO FIT A2, E2 C & D DOSING UNITS VACUUM BLOWERS

AT EACH DOWN DAY WE WILL NEED X 4 OF THESE FILTERS ON HAND STAGED AT POINT OF USE STORAGE

OUR P/N: 34686



4

This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

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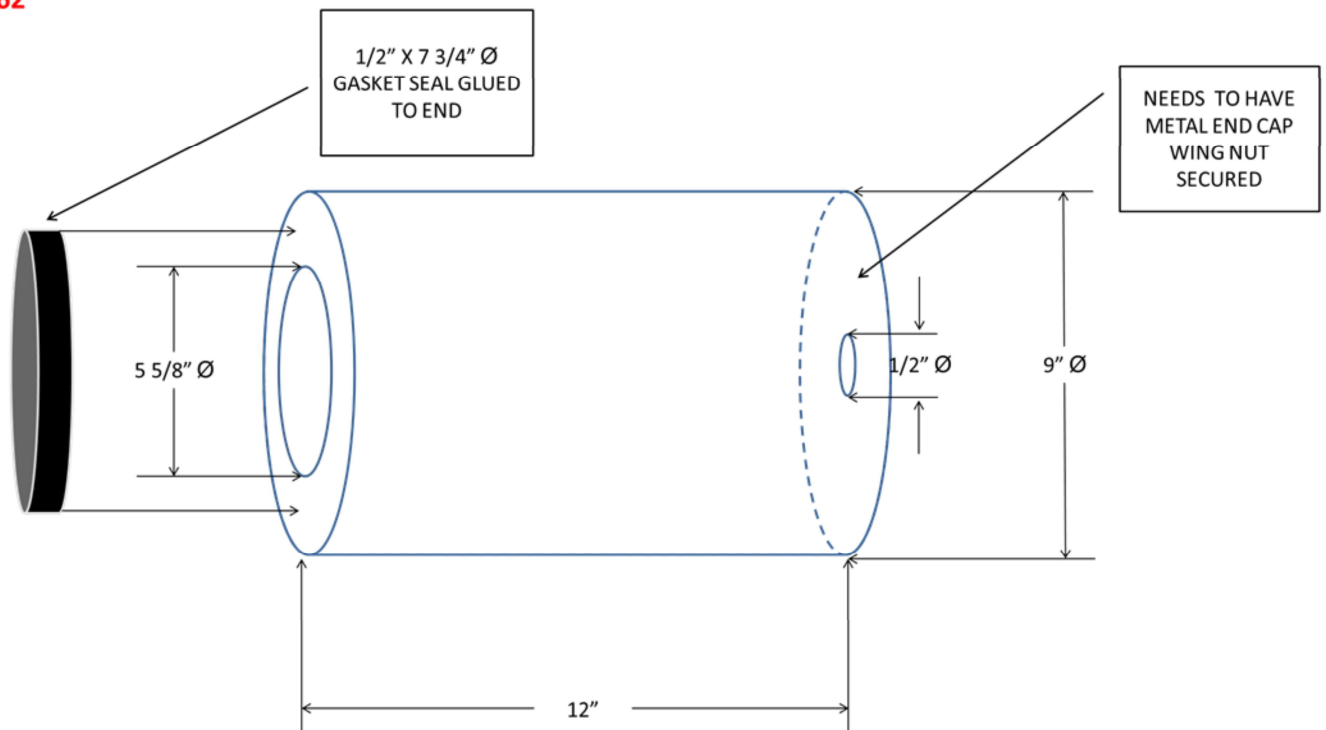
DRAWING NOT TO SCALE

VACUUM/BLOWER DUST COLLECTOR

THIS IS NEEDED TO FIT A2, E2, C & D DOSING UNITS DUST COLLECTORS

AT EACH DOWN DAY WE WILL NEED X 4 OF THESE FILTERS ON HAND STAGED AT POINT OF USE STORAGE

OUR P/N: 34762



5

This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

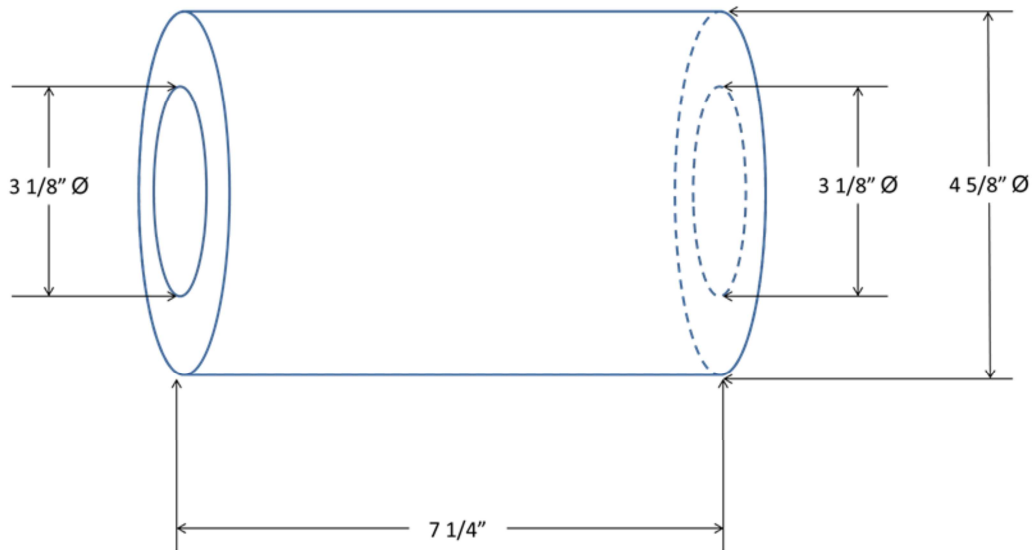
Page 4 of 5.

DRAWING NOT TO SCALE

MAIN COMPONENT HOPPERS ON C & D BEAMS

**THIS FILTER IS INSTALLED ON THE LID TO THE MAIN COMPONENT HOPPERS ON C & D BEAM ONLY AT THE VACUUM INLET
AT EACH DOWN DAY WE WILL NEED X 2 OF THESE FILTERS ON HAND STAGED AT POINT OF USE STORAGE**

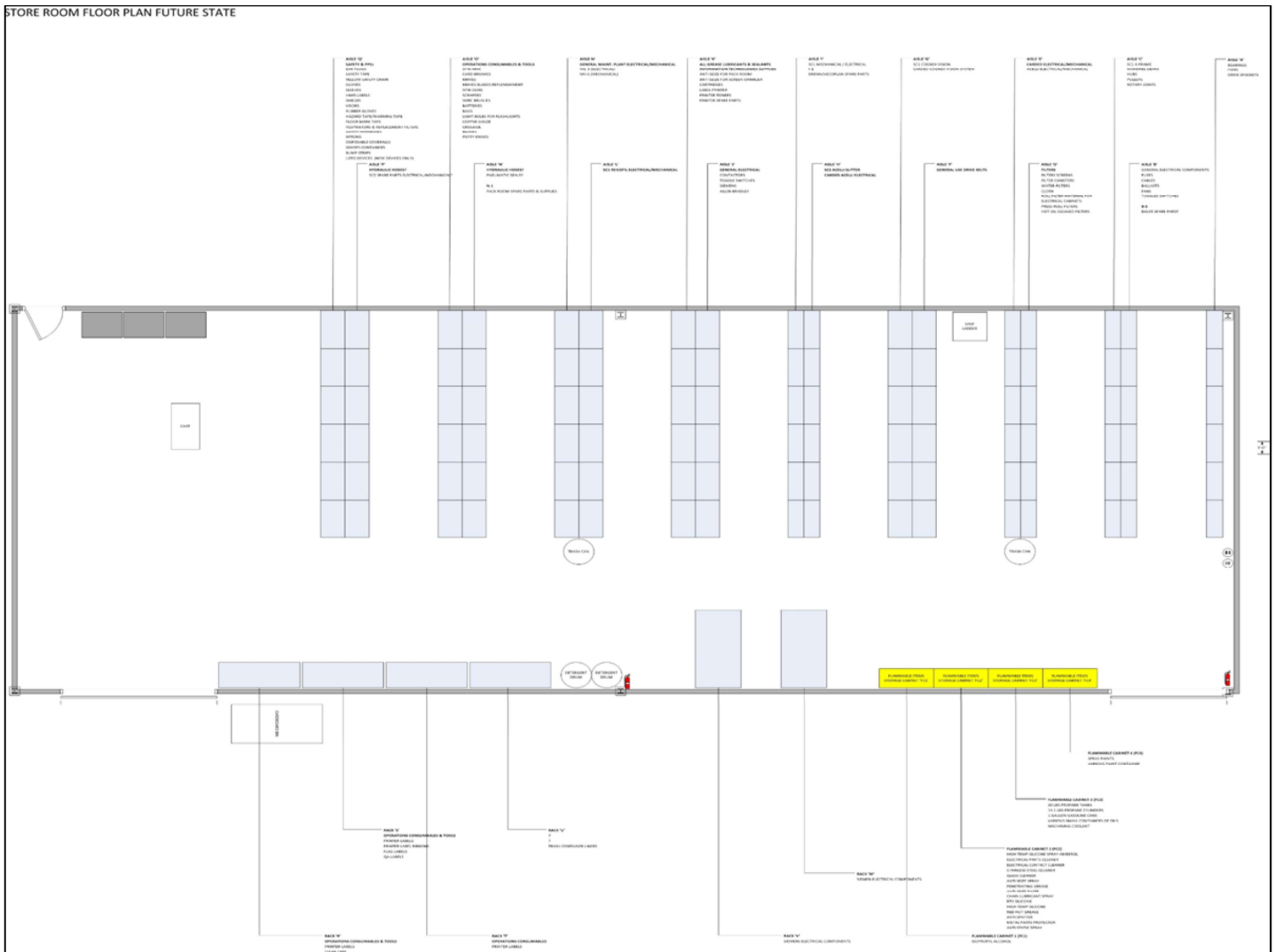
OUR P/N: 34985



6

This is a drawing that I made of a drive coupling. I was investigating the failure of a hydraulic pump drive motor coupling and had to make a drawing of the coupling to replace it with one made from stainless steel.

Page 5 of 5.



“I wanted a mission and for my sins I got one and after this one I didn’t want another one again” – Apocalypse Now quote.

I was given the order to revamp the parts store room. It was a horrible site of nooks and crannies tables upon tables, benches, filing cabinets, desks and cubbyholes upon more benches, filing cabinets, desks and cubbyholes; a rabbits warren of aisles; no logic, no system, no method, no reason as to how things got done or how they didn’t get done...

This is my future state drawing map. The store man that over this place was out of control and lost his temper with me several times. 50 thousand line items. I got the place organized, parts logically located and a bar codes system installed. It came at a cost to me, I was completely physically and mentally worn out by the end of it... ☹