

October 2nd, 2025

To: All Potential Respondents
From: Construction Procurement
Subject: RFQ949200-01 ATOD Racking Modification

Request for Quote

The State of Iowa Department of Administrative Services (DAS) is conducting a Request for Quote for a contractor to modify the racking configuration at the Iowa Department of Revenue – Alcohol & Tax Operations Division (ATOD) in Ankeny, IA. See Exhibit A, B, C, D E and F for additional details.

Construction shall be substantially completed no later than December 12TH, 2025.

The Project is located at 1918 SE Hulsizer Dr, Ankeny, Iowa 50021.

Please upload your quote on the Exhibit A pricing form of this solicitation utilizing the [Iowa IMPACS Procurement System](https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASlowa) (<https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASlowa>) prior to **Thursday 10/23/2025 at 02:00 PM (CT)**.

An optional pre-quote meeting will be held on Tuesday 10/14/2025 at 10:00 AM (CT). This meeting will take place onsite at 1918 SE Hulsizer Dr, Ankeny, Iowa 50021. Interested contractors shall meet at the main entrance. **High visibility is required for the walkthrough.**

All questions regarding this solicitation must be received by email **by 03:00 PM (CT) on 10/17/2025**.

Contract Terms and Conditions

This procurement will result in a Consensus 802 Agreement. By submitting a quote, respondent agrees to the contract terms and conditions available at:

<https://das.iowa.gov/sites/default/files/procurement/pdf/ConsensusDoc802.pdf>

Warranty

Respondents must provide a one-year warranty from the date of substantial completion.

Performance Bond

Respondent must provide a Performance and Payment Bond in accordance with Section 10.8 of Consensus 802 Agreement.

Insurance Requirements

See sample Certificate of Insurance attached as Exhibit D for required limits, additional insured requirements and waiver of subrogation.

Exhibit A Pricing Form
ATOD Racking Modification
1918 SE Hulsizer Dr, Ankeny, Iowa 50021
Request for Quote RFQ949200-01

Due Thursday, October 23rd at 02:00 PM (CT)

Please submit this completed form with your Quote to:

[Iowa IMPACS Procurement System](https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASlowa)

(<https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=DASlowa>)

This form is to be completed in ink or typewritten.

Only pricing on this form or an exact copy of this form will be accepted.

Pricing Form shall be signed by an officer of the firm with authority to bind Respondent to Contract.

Respondent acknowledges receipt of the following Addenda (if issued) which are part of the RFQ documents:

Addendum No. _____ Date _____

Addendum No. _____ Date _____

Freight Terms: FOB Destination, Freight Pre-Paid

The State reserves the right to reject any or all quotes without penalty and to waive minor deficiencies and informalities if, in the judgement of the State, it's best interests will be served.

Respondents must submit pricing for all scope of work items indicated per the attached Exhibit B. The State reserves the right to evaluate pricing. The State intends to make one Award for this project.

QP #01 – Lump Sum Price for all racking modifications, labor, additional materials, potential design requirements and any necessary repairs associated with the ATOD Racking Modification project.

Lump Sum (Labor and Material(s)) Total \$ _____

Please note all pricing is to be delivered price. That is why we are stating FOB Destination, Freight Pre-Paid.

Signature _____

Name (Print) _____

Title _____

Company _____

Address _____

City, St., Zip _____

Phone # _____ Fax # _____

E-mail _____

Exhibit B Scope of Work

ATOD Racking Modification
1918 SE Hulsizer Dr, Ankeny, Iowa 50021
Request for Quote RFQ949200-01

Due Thursday, October 23rd at 02:00 PM (CT)

1.01 GENERAL WORK REQUIREMENTS

- A. The Contractor's Work includes all labor, supervision, materials, equipment, services, supplies, tools, facilities, transportation, hoisting, storage, receiving, licenses, inspections, certifications, overhead, profit, or other items required or reasonably inferable to properly and timely perform and complete all work and services to be performed by the Contractor pursuant to this Agreement. Unless specifically stated otherwise, incidental work required to accomplish the work of this Request for Quote shall be included in the quote. This would include, but not be limited to, temporary facilities, protection of the work, security of equipment, materials, and work in progress, etc. Contractor's Work shall be performed in accordance with the Drawings, Specifications, and Request for Quote.
- B. Contractor is responsible for all labor and equipment to unload, account for all material delivered, stock, and delivery for this scope of work. Storage and delivery of materials and equipment at the Site shall be permitted only to the extent approved in advance by the Construction Manager, and if anything so stored obstructs the progress of any portion of the work, it shall be promptly removed or relocated by the Contractor without reimbursement.
- C. On site supervision by Prime Contractor at all times when work by that contractor or their subcontractors/suppliers is taking place.
- D. A mandatory coordination meeting with the facility and the awarded contractor prior to commencement of construction activities. This will be coordinated and scheduled upon notice of intent to award the project.
- E. Provide all temporary facilities required for this scope of work including telephone, secured storage, temporary power for work, temporary and task lighting for work, etc. as determined necessary by the Contractor. Coordinate location of trailers, material storage and utility lines with Construction Manager. Limited space is available, and permission to bring any such facility or excess materials on to the site shall be approved by the Construction Manager. No job office trailers will be permitted onsite.
- F. Contractor shall provide all equipment and tools for Contractor's own cleanup. Clean up shall be done at end of every shift or more frequently if required for the Contractor to perform their work, for other Contractors to perform their work, as required by the Owner's operations, and at the discretion of the Construction Manager.
- G. All turf, landscaping, and subgrade disturbances caused by equipment traffic or other activities related to the Contractor's scope shall be repaired or restored to proper conditions by the Contractor.
- H. Protect adjacent existing building elements from damage from Scope of work. Repair existing building elements damaged during Contractor's Scope of work.
- I. All Contractors are responsible for on-the-job supervision of their work, or any subcontracted work. An onsite Superintendent or lead foreman is required during any time that work is being performed to

coordinate their work and work with other trades. No superintendent or lead foreman may be replaced without approval of the Owner and The Samuels Group. Any work necessary to be performed after the regular working hours shall be supervised and shall be done at no additional cost to the Owner.

- I. Tools, materials, and equipment storage and security is the responsibility of each Contractor.
- J. All Authorities having Jurisdiction inspections shall be requested by the responsible contractor and coordinated through the Construction Manager. Attendance by contractors is mandatory as applicable to the work being inspected.
- K. The Contractor shall have personnel attending regular project meetings. These meetings will be held at intervals established by the Construction Manager. Contractors must have a representative attending when they are on the job or needed for coordination prior to having work start on the project. The representative attending must be able to adequately represent the Contractor and speak on the Contractors behalf providing valuable information to the meeting; specifically, things such as schedule, cost, production, manpower, etc.
- L. The Contractor will be required to attend all pre-installation conferences before commencement of related work.
- M. The Contractor shall complete a daily log for each workday on site and submit it to the Construction Manager. Content of the daily log will be directed by the Construction Manager.

1.02 SAFETY

- A. The contractor shall comply with all local and federal, safety and health requirements.
- B. The contractor will provide a safety plan customized for the project to The Samuels Group.
- C. All prime contractors, subcontractors, and/or any second/third tier subcontractors must conduct weekly internal "toolbox safety" meetings and submit documentation of such to the Construction Manager.
- D. It is the contractor's responsibility to notify other contractors on the jobsite of any hazardous materials to which their employees may be exposed. This communication shall be defined as the ability to produce all material SDS information customized for the project. This documentation shall be available for the duration a prime contractor, subcontractor, and/or any second/third/etc. tier subcontractors are onsite.
- E. All Contractors shall inform their employees to immediately advise their supervisor of any unsafe conditions that are encountered. The supervisor shall promptly remediate such danger and/or contact the Construction Manager.
- F. Contractors performing hot work are to have a fire extinguisher in their work areas at all times as applicable.
- G. All Contractors are responsible for their own fall protection.
- H. Contractors are required to provide emergency phone numbers at the request of the Construction Manager. Emergency phone numbers are numbers where the Contractor can be reached during off hours.

- I. All floor edge, roof and similar openings, barricades, handrails, or cabling for fall protection will be installed by the Contractor that creates the hazard as part of that Contractor's scope of work. At no time shall an opening be left unprotected from fall hazard. All Contractors shall protect and maintain such devices per OSHA standards. When a device conflicts with the work of this bid package or when the work of this bid package replaces the need for such devices, this Contractor is responsible for removal. If the work of this Contractor requires additional holes/penetrations, this Contractor shall provide necessary protection until final materials are installed.
- J. No fire exit can be blocked at any time.

1.03 SITE MANAGEMENT

- A. All contractors are responsible for all their own utility locates. This shall include both public and private locates. All Contractors shall coordinate locates with One Call Services.
- B. When active services are encountered in the Work, protect, brace and support existing active sewers, gas, electric or other services, where required for proper execution of the Work. If existing active services are encountered that require relocation, make a request in writing for determination. Do not proceed with Work until written directions are received. Do not prevent or disturb the operation of active services that are to remain.
- C. All contractors are required to protect their work. Provide proper protection for all existing work performed by others when performing your work next to, or around, other materials. Repair or replacement of any damaged material will be the responsibility of the contractor who damaged it.
- D. All contractors/vendors are responsible for their own cutting and patching unless otherwise specified.
- E. All contractors are responsible for maintaining dust control during their work. Contractor will provide a dust control plan customized for the project to The Samuels Group.
- F. Contractors shall be responsible for maintaining traffic control coordination with the Owner, The Samuels Group, and the Authority Having Jurisdiction.
- G. Public and private roadways will be maintained and cleaned as required by the contractor leaving debris, mud, excess gravel, etc. on roadways at their expense as defined in bid packages.
- H. No steel track mounted equipment will be allowed on finished paved surfaces. Any damage to the finished paved surfaces will be repaired at the cost to the contractor causing such damage.
- I. Bridging of finished pavement will be the responsibility of the contractor. This includes bridging curbs, pavement, sidewalks, etc. Any damage to the aforementioned including pavement markings, will be repaired or replaced at the cost of the contractor causing such damage.
- J. Contractors that have work that requires equipment off of the existing roadways are required to locate and protect from damage all under and above ground existing features such as utilities, tunnels, landscaping, etc... The Contractor will be responsible to repair back to original condition any damages that occur, including but not limited to ruts and sod damage.
- K. Any areas disturbed or damaged by one's operation are to be repaired to Owner/Construction Manager's satisfaction.

- L. The Contractor shall clean their installed materials prior to the next successor activity.
- M. Any signs located on the jobsite must be approved by the Construction Manager. Signage will not be allowed in most cases unless it is required for safety or provides instructions.
- N. Receiving, unloading and handling of material provided by the contractor shall be included. Spotting location shall be coordinated with the Construction Manager. All deliveries shall be coordinated with other Contractors and Construction Manager in advance of the delivery. Provide freight to the jobsite for any material provided. If storage is not available onsite, each contractor shall include other means of secure storage. If the contractor is not onsite to unload delivery, the delivery will be rejected and will have to be rescheduled at the contractor's expense. Materials must be stored off the ground, out of the mud and on a solid surface. As required or needed, material should be stored on dunnage or pallets in order to keep it off the ground or surface below. Special storage is the responsibility of the respective contractor.
- O. Contractors shall not store materials within construction designated locations without approval from the Construction Manager. No materials storage will be allowed that may inhibit construction progress.
- P. The Contractors shall layout and correctly establish all lines, levels, grades, positions, walls, partitions, equipment and location of all Work on the Project and be responsible for their accuracy and proper correlation with control lines, monuments and data furnished. Such monuments and data shall be carefully preserved and, if displaced, reset at the expense of the persons displacing them.
- Q. All Contractors are responsible for the coordination of their work with the complete set of specifications, construction drawings, addenda, request for information (RFI's), Architect's Supplemental Instruction to Contractor (ITC/ASI), shop drawings, coordination drawings, and other contract modifications.
- R. The Contractor shall carefully inspect any work performed by others that is to receive, align, abut or similarly relate to the Contractor's work and shall immediately notify the Construction Manager in writing of any apparent defects or inconsistencies. The Contractor is responsible for coordinating and verifying the dimensions, measurements, and elevations at the project site relevant to the Contractor's work. If Contractor commences his work without such written notice, such commencement shall constitute acceptance of all such work performed by others and of all such field conditions, and all costs incurred in connection with the Contractor's work as a result thereof shall be borne by Contractor.
- S. Incorporate construction tolerances for the work of others into the design of the systems in this scope of work. Include field measurements of work by others and any necessary adjustments to systems prior to fabrication to accommodate such allowable tolerances, or accept all costs to correct materials, which do not fit job conditions.
- T. Any interior work that is scheduled to be completed while Owner is in normal operation must be sensitive to the Owner's continued use of the building. No workers are allowed to be in areas of the building that are not directly related to their scope of work. Hallways and general access paths to construction areas must also be kept clean at all times. The Owner has the right at any time to shut down any construction activities that they deem to be too much of a distraction to the occupants of the building.
- U. All contractors are responsible for familiarizing themselves with the coordination and sequencing requirements related to Owner furnished equipment.

- V. If not already required by the contract documents and reasonably requested by the Construction Manager, the Contractor shall prepare coordinated drawings in areas of congestion specifically noting and advising the Construction Manager of potential conflicts between the Contractor's work and other work at the project. Even with such cooperative and coordinated efforts should a conflict occur the Construction Manager will determine how such conflicts should be resolved and its decision in that regard will be final. The Contractor agrees to abide by such decisions and make any changes required to eliminate such conflict without additional costs or expense to the Owner.

1.04 SCHEDULE MANAGEMENT

- A. A Preliminary Construction Schedule as developed by the Construction Manager will be used as the basis of the overall Construction Schedule. In consultation with the Prime Contractor, the Construction Manager shall incorporate the Prime Contract Work and work of other prime contractors into the overall Construction Schedule for the entire project. Critical Milestones and working hours as defined by the Construction Manager will not be altered.
- B. The Prime Contractor shall on a weekly basis (at a minimum) provide the Construction Manager with scheduling information with regards to progress and work to be performed in the next 4 (four) weeks. The Prime Contractor shall be bound by the Construction schedule. Nothing in the Prime Contract Agreement shall relieve the Prime Contractor of any liability for any unexcused failure to comply with the agreed upon overall Construction Schedule or any completion dates. The Construction Manager shall have the right to coordinate the Prime Contractors, including the right, if necessary, to change the time, order and priority in which the various portions of the Prime Contract Work and other work associated with the Project shall be performed.
- C. All prime contractors, subcontractors, and/or any second/third tier subcontractors on site shall participate in coordination meetings with the Construction Manager as well as weekly meetings as the project progresses.
- D. All Contractors shall cooperate with the Construction Manager and with other Contractors. The completion of the Work will depend upon a collective effort by all parties involved.

1.05 GENERAL HOUSEKEEPING

- A. No dumpster services are anticipated for this scope of work. Contractor shall remove debris from the jobsite on a daily basis.
- B. Daily cleanup (broom clean) of dust and debris from construction operation is part of each contractor's scope of work. If any contractor fails to keep the site clean and organized on a continuous basis, the Construction Manager will notify the contractor in writing only once. The contractor will then have 24 hours to correct the situation. If the contractor fails to correct the situation, the Construction Manager will hire another party for cleaning and charge the said contractor. The Contractor shall submit prior to beginning work a plan to the Construction Manager defining manpower and methods for achieving daily cleanup. If the Construction Manager deems necessary, each Contractor shall provide 1 employee for each 5 employees on the project to clean all work areas and/or staging areas to a broom clean condition. If the Contractor has less than 5 employees on site, the contractor will provide 1 employee to the necessary cleanup requirement. Cleanup duration will take as long as it takes to achieve the broom clean results.
- C. Daily cleanup shall include all applicable portions of a project including but not limited to the building, site, public streets, lay-down areas, and designated contractor parking areas.

- D. If rework is necessary to be performed by any contractor, that contractor shall be responsible for all associated cleanup and installation/removal of protection measures on all adjacent surfaces where rework took place including access to and from the area.

1.06 CONTRACTOR CERTIFICATION OF INSURANCE

- A. Contractor shall review the included sample of certificate of insurance and ensure all requirements can be met. (see exhibit D)
- B. Contractor shall provide a copy of their certificate of insurance prior to contracting.
- C. Contractor shall ensure description of operations matches example (see exhibit D) and includes project# 9492.00 ATOD Racking Modification in the description.

1.07 CONSTRUCTION SCOPE REQUIREMENTS

A. QP #01 – ATOD Racking Modification

- a. This project involves modifying the racking configuration for ATOD. The modifications are removing floor racking in the warehouse area of the facility, swapping out 'roller racking' for 'flat racking' in the L-aisle and relocating the N-aisle. The activities include, but are not limited to:
- Removal and haul off of the floor racking in the warehouse area
 - Removal and haul off of the 'roller racking' in the L-aisle
 - Adjustment of the existing orange support beams in the L-aisle
 - Installation of 'flat racking' in the L-aisle
 - Breakdown of the main posts, all support beams and racking consisting of the N-aisle end cap
 - Build back of inverted N-aisle end cap in the new designated location
- b. This project is intended to encompass the entirety of all construction documents bearing the name ATOD Racking Modification, dated 10-02-2025 and prepared by The Samuels Group in partnership with the State of Iowa DAS.

Exhibit C Facility Work Requirements

ATOD Racking Modification
1918 SE Hulsizer Dr, Ankeny, Iowa 50021
Request for Quote RFQ949200-01

Due Thursday, October 23rd at 02:00 PM (CT)

1.01 WORK HOUR RESTRICTIONS

A. Work hours are from 8:00 AM to 4:30 PM, Monday through Friday unless arrangements are made in advance.

1.02 CONTRACTOR USE OF SITE AND PREMISES

A. Construction Operations: Limited to areas noted in construction documents.

B. Provide access to and from site as required by law and Owner:

- a. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
- b. Do not obstruct roadways, sidewalks, or other public ways without permission of Owner and permit if required.

C. Facility will be occupied at all times during the duration of work. Contractor personnel shall conduct themselves in an agreeable manner at all times. Failure to do so may result in removal from the work site.

1.03 OWNER OCCUPANCY

A. Owner intends to occupy the work space at all times during the duration of this project.

B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

C. Schedule the Work to accommodate Owner occupancy.

1.04 RULES FOR CONSTRUCTION WORKERS

A. The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must be followed to the letter, at all times.

B. Hot Work Permit Processes and Fire Watch, when necessary, will be adhered to for this project.

- a. Fire Watch: Written request will be required four days in advance of work. When the fire alarm system must be put in bypass or test, the contractor shall provide personnel at the fire alarm panel to continuously monitor the panel. The personnel shall be required to meet with the State prior to fire watch for training. Anticipate less than one hour for training. If the fire detection systems will be disabled, the contractor shall also provide sufficient personnel dedicated to fire watch only in the areas disabled and maintain a fire watch log. Template notifications, procedures, and logs are available for the contractor's use.

- b. Hot Work: Hot work shall be conducted per OSHA guidelines. It will be the responsibility of the contractor to provide personnel for fire watch and to maintain a fire watch log.

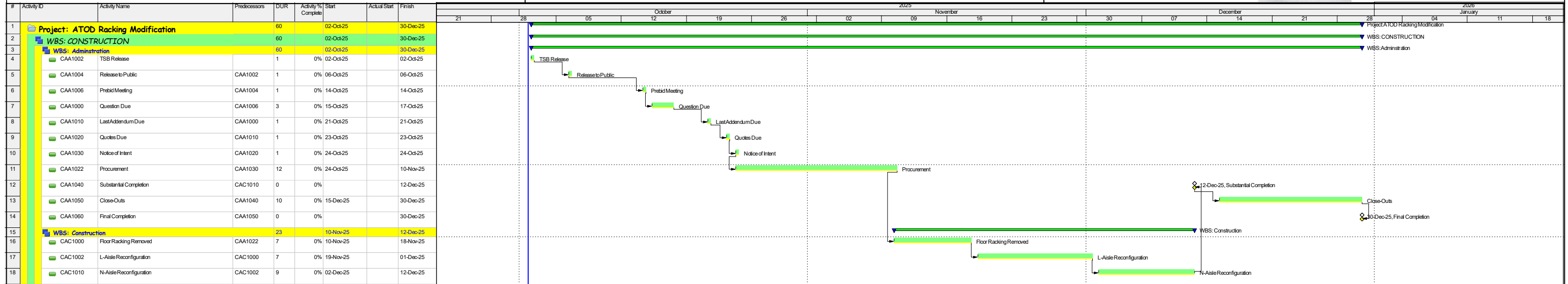
- C. All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
- D. You are permitted access only to the work site and no other area of the institution.
- E. No drugs, alcohol, or firearms are allowed on the work site.
- F. Do not leave money, drugs, alcohol, or firearms in your personal vehicle.
- G. Company and personal vehicles are to be parked and locked in designated or authorized areas of the work. Contractors will be allowed to park in the ramp.
- H. Secure all tools at the end of the day.
- I. Maintain control of all tools, supplies, and debris at all times during the work.
- J. Any shutdowns to existing systems will need to be coordinated seven (7) business days in advance and will need to be reviewed with The Samuels Group and the States maintenance personnel.

Exhibit E Preliminary Schedule

ATOD Racking Modification
1918 SE Hulsizer Dr, Ankeny, Iowa 50021
Request for Quote RFQ949200-01

Due Thursday, October 23rd at 02:00 PM (CT)

All construction documents have been prepared by The Samuels Group in partnership with Iowa DAS.



Date	Revision	Checked	Approved
12-Dec-25 00:00	Substantial Completion Date		
02-Oct-25 00:00	Data Date		

DATA DATE 10.02.2025

- Primary Baseline
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ▲ Start Constraint
- △ Finish Constraint
- ◆ Baseline Milestone
- ◇ Milestone
- ▬ % Complete

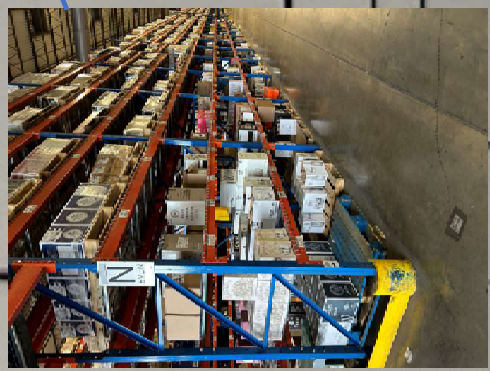
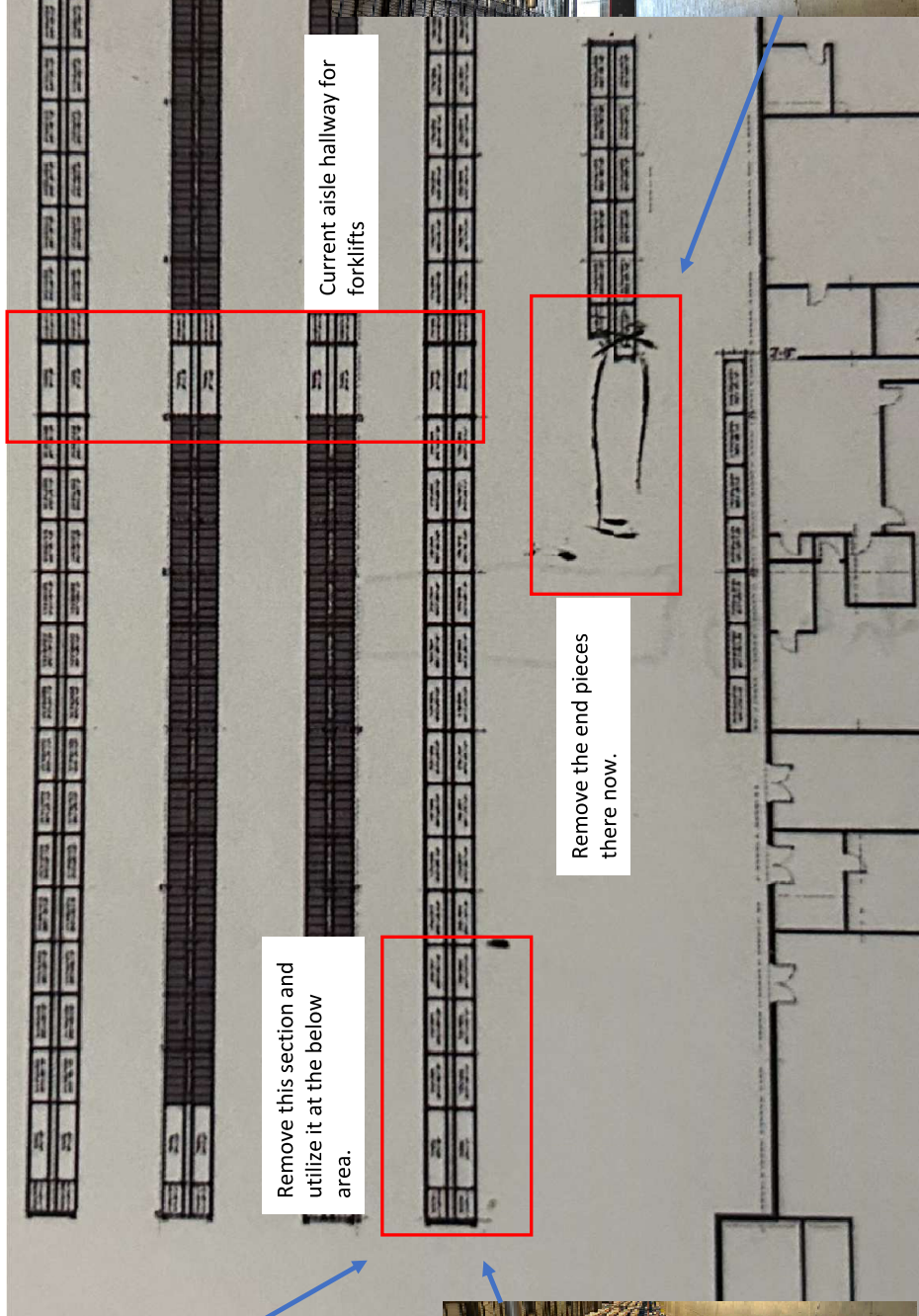
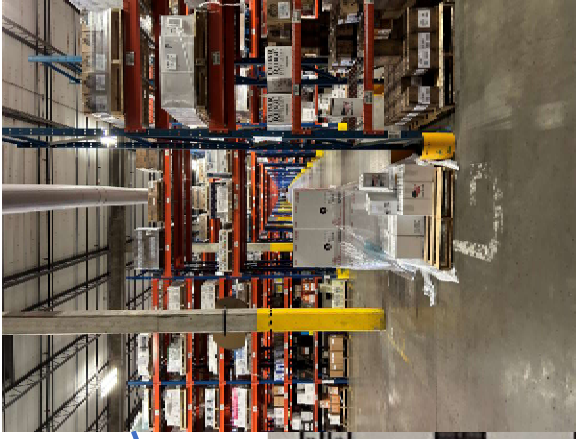
Exhibit F Additional Documents and Photos

ATOD Racking Modification
1918 SE Hulsizer Dr, Ankeny, Iowa 50021
Request for Quote RFQ949200-01

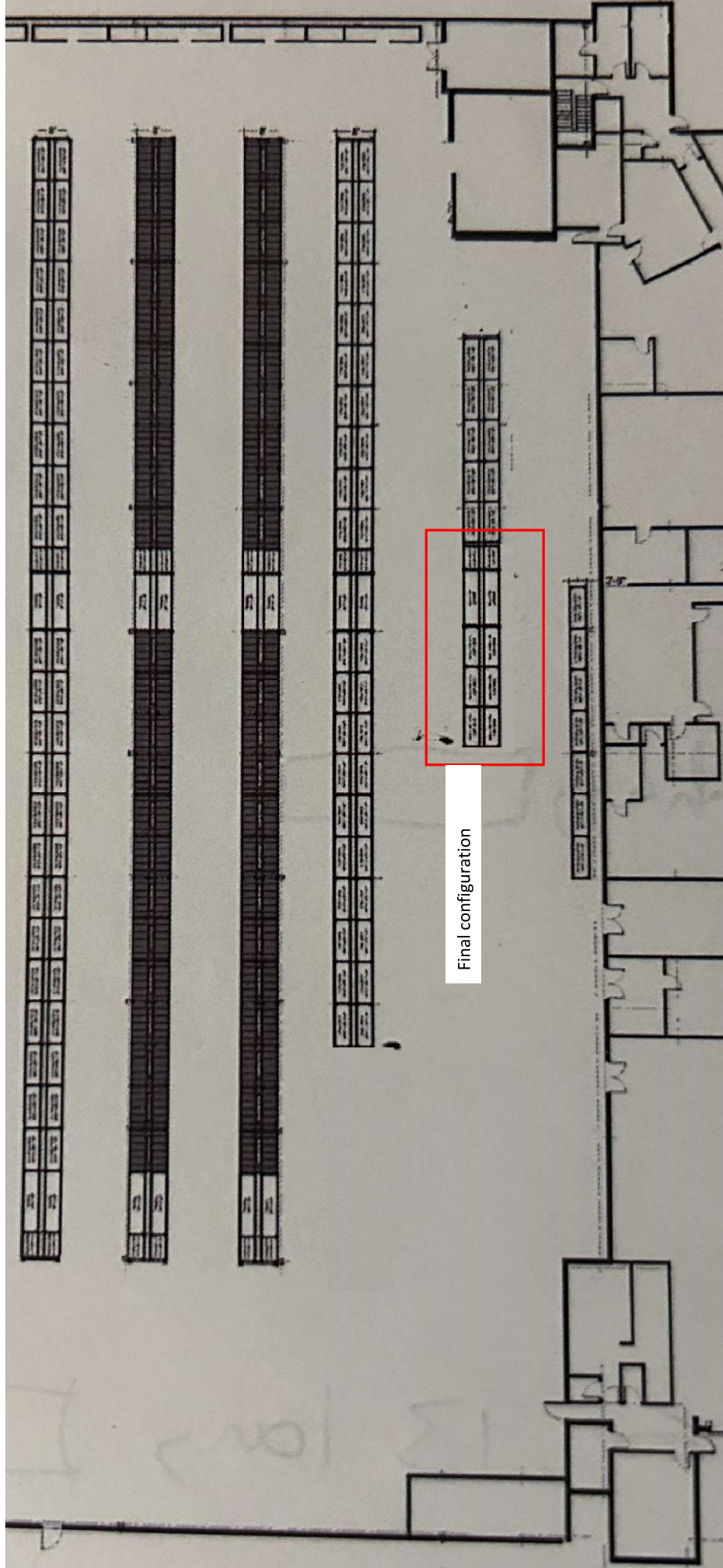
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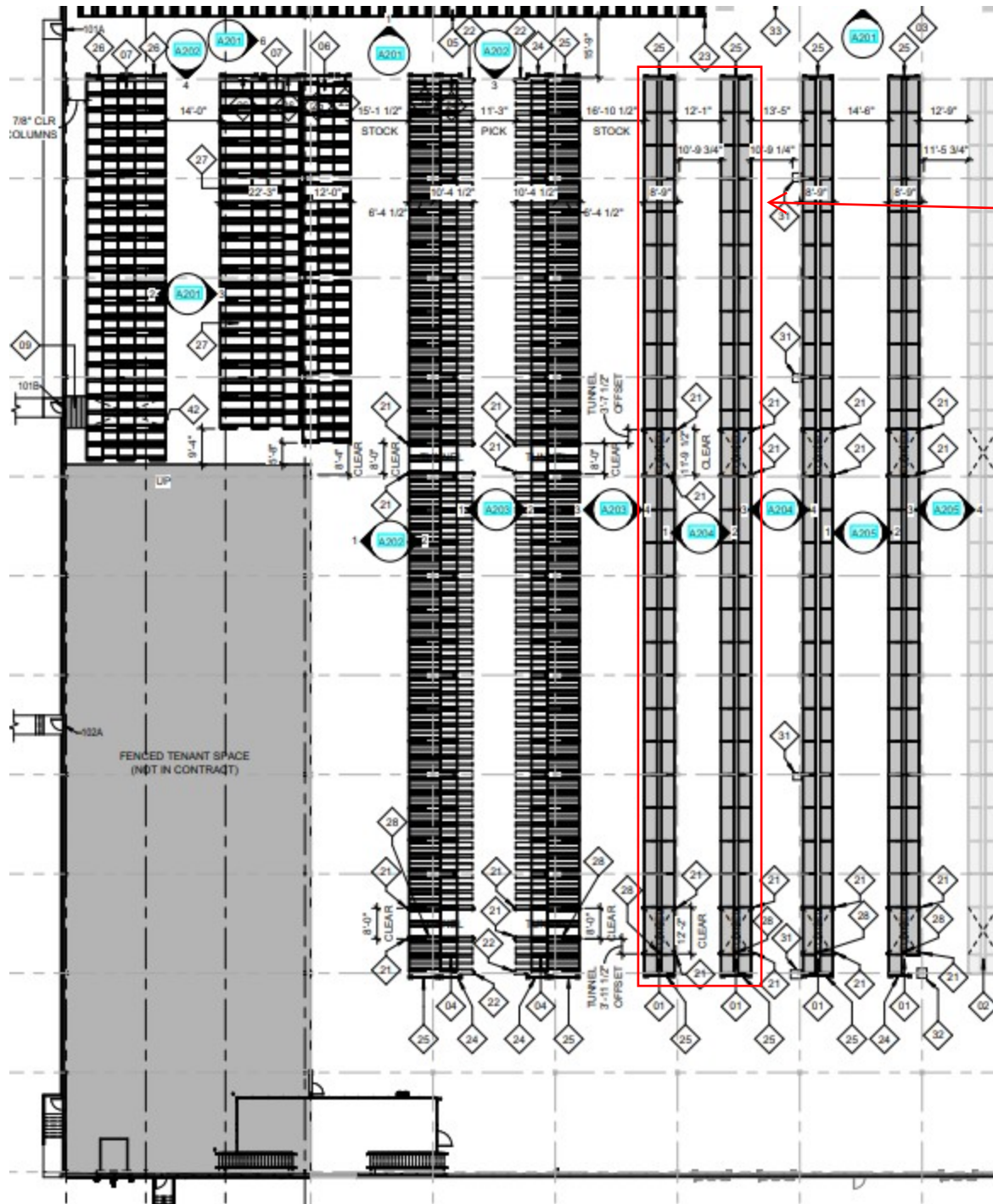
All construction documents have been prepared by The Samuels Group in partnership with Iowa DAS.

Current setup



After changes





This is not the L aisle specifically but it is the same size.

Please note this is product data & shop drawings from a previous racking project at this facility. This information is being provided as a basis of design for interested contractors to get an idea of the type & size of racking required for this facility.

DESIGN SPECIFICATIONS:

FABRICATION

FABRICATION BY FRAZIER INDUSTRIAL COMPANY (LOS ANGELES CERTIFIED FABRICATOR #1572; LA COUNTY CERTIFIED).

MATERIAL

1. STEEL – ALL CHANNEL SECTIONS: ASTM A572 GRADE 50, UNLESS NOTED OTHERWISE (UNO). ALL ANGLE & PLATE SECTIONS: ASTM A36.
2. ALL BOLTS TO CONFORM TO THE MATERIAL, CHEMICAL AND STRENGTH REQUIREMENTS OF ASTM A449. (ALTERNATIVELY, BOLTS MEETING THE REQUIREMENTS OF SAE J429 GRADE 5 MAY BE SUBSTITUTED.)
3. WELDING ELECTRODES – AWS E70-XX (ALL WELDS SINGLE PASS FILLET WELDS DESIGNED AT 50% STRESS LEVELS) **ALL WELDING MUST BE DONE IN AN APPROVED FABRICATOR SHOP; NO FIELD WELDING PERFORMED. SPECIAL INSPECTION IS REQUIRED IF ANY FIELD WELDING IS PERFORMED.

EXPANSION ANCHORS

1. ALL ANCHORS SHALL BE ICC APPROVED FOR CRACKED CONCRETE.
2. APPROVED ANCHORS ARE AS FOLLOWS:
* SIMPSON STRONG BOLT 2 WEDGE ANCHORS (ICC ESR-3037)
3. MINIMUM DISTANCE FROM COLUMN LINE CONTROL JOINT TO ANCHOR CENTERLINE: 8X ANCHOR DIAMETER.

SPECIAL INSPECTION

PERIODIC SPECIAL INSPECTION FOR INSTALLATION OF CONCRETE ANCHORS PER ICC REPORT.

TOLERANCES

1. DOWN-AISLE PLUMB = 1/4" / 10 ft, 3/8" MAX.
2. CROSS-AISLE PLUMB = 1/4" / 10 ft, 3/8" MAX.
3. RELATION OF POST TO GRID = 1/8" MAX., BOTH DIRECTIONS, NON-CUMULATIVE.

FLOOR INFO

1. SLAB THICKNESS = 6" MIN.
2. SOIL BEARING = 500 PSF MIN.
3. COMPRESSIVE STRENGTH OF CONCRETE = 4,000 PSI MIN.

SEALED DRAWINGS

THE SEALING OF DRAWINGS IS FOR STRUCTURAL REVIEW ONLY. OTHER INFORMATION INCLUDING, BUT NOT LIMITED TO, EGRESS, FIRE PROTECTION, ROOFING, SIDING, ETC. ARE NEITHER REVIEWED NOR APPROVED.

GENERAL NOTES:

BOLTED CONNECTIONS

UNLESS OTHERWISE NOTED IN THIS SET OF DRAWINGS:

1. ALL BOLTED CONNECTIONS ARE BEARING TYPE CONNECTIONS.
2. BOLTS ARE TO BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION (DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PLIES OF THE JOINT ARE IN FIRM CONTACT, WHICH MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH).
3. IF BOLT INSPECTION IS CALLED OUT IN THE CONTRACT DOCUMENTS, ALL BOLTED CONNECTIONS ARE TO BE INSPECTED AS BEARING TYPE CONNECTIONS WITH SNUG-TIGHT BOLTS.

CONFIGURATION CHANGES

1. THIS SET OF FRAZIER DRAWINGS SHOWS ALL THE PERMISSIBLE CONFIGURATIONS OF THESE COMPONENTS. OTHER CONFIGURATIONS MAY BE PERMITTED UPON REVIEW BY A FRAZIER ENGINEERING REPRESENTATIVE AND REVISION OF THESE DRAWINGS.
2. ANY CHANGES TO THE CONFIGURATION OF THE RACK SYSTEM COMPONENTS INCLUDING RELOCATION OR REMOVAL OF SHELF BEAMS OR ANY OTHER COMPONENTS WITHOUT PRIOR APPROVAL FROM FRAZIER ENGINEERING DEPARTMENT IS NOT PERMITTED. ANY SUCH CHANGES FROM ORIGINALLY DESIGNED CONFIGURATION COULD CAUSE COLLAPSE OF THE STRUCTURE.

PALLETS

USE OF PALLET MATERIAL OR SIZE OTHER THAN WHAT IS SPECIFIED IN THIS SET OF DRAWINGS COULD LEAD TO OPERATIONAL AND/OR STRUCTURAL RACKING ISSUES.

OWNER USE AND MAINTENANCE

(Per RMI/ANSI MH16.1-2012 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks)

1. ALL CRANE/FORK TRUCK MATERIAL HANDLING EQUIPMENT OPERATORS ARE REQUIRED TO BE TRAINED BY FACILITY OWNER IN THE PROPER USE OF THE HANDLING EQUIPMENT.
2. THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY OF THE INSTALLED RACK SYSTEM BY ASSURING PROPER OPERATIONAL, HOUSEKEEPING, AND MAINTENANCE PROCEDURES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
 - a. PROHIBIT ANY OVERLOADING OF ANY PALLET POSITION AND OF THE OVERALL RACK SYSTEM.
 - b. REGULARLY INSPECT FOR DAMAGE. IF DAMAGE IS FOUND, IMMEDIATELY UNLOAD THE AFFECTED AREA AND REPORT SUCH TO A FRAZIER INDUSTRIAL COMPANY REPRESENTATIVE.
 - c. REQUIRE ALL PALLETS TO BE MAINTAINED IN GOOD, SAFE, OPERATING CONDITION.
 - d. ENSURE THAT PALLETS ARE PROPERLY PLACED ONTO PALLET LOAD SUPPORT MEMBERS IN A PROPERLY STACKED AND STABLE POSITION.
 - e. REQUIRE THAT ALL GOODS STORED ON EACH PALLET BE PROPERLY STACKED AND STABLE.
 - f. PROHIBIT DOUBLE-STACKING OF ANY PALLET POSITION, INCLUDING THE TOP-MOST POSITION, UNLESS THE RACK SYSTEM IS SPECIFICALLY DESIGNED FOR SUCH LOADING.
 - g. ENSURE THAT THE RACKS ARE NOT MODIFIED OR REARRANGED IN A MANNER NOT WITHIN THE ORIGINAL DESIGN CONFIGURATIONS AS SHOWN ON THIS SET OF DRAWINGS.

C

D

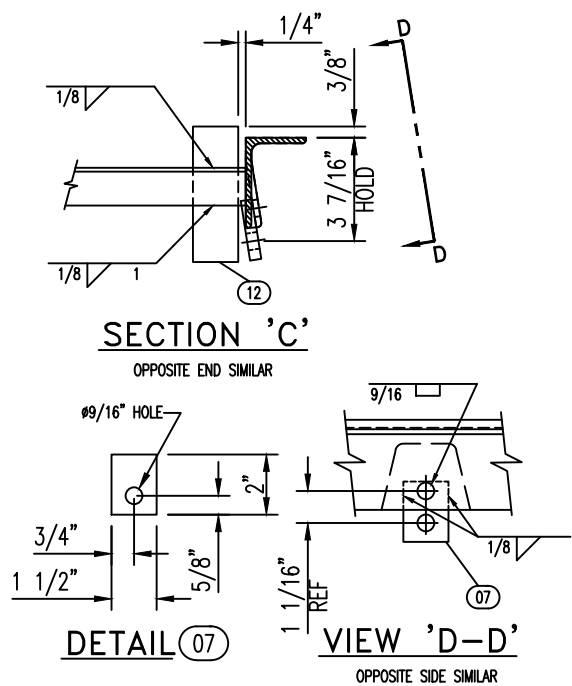
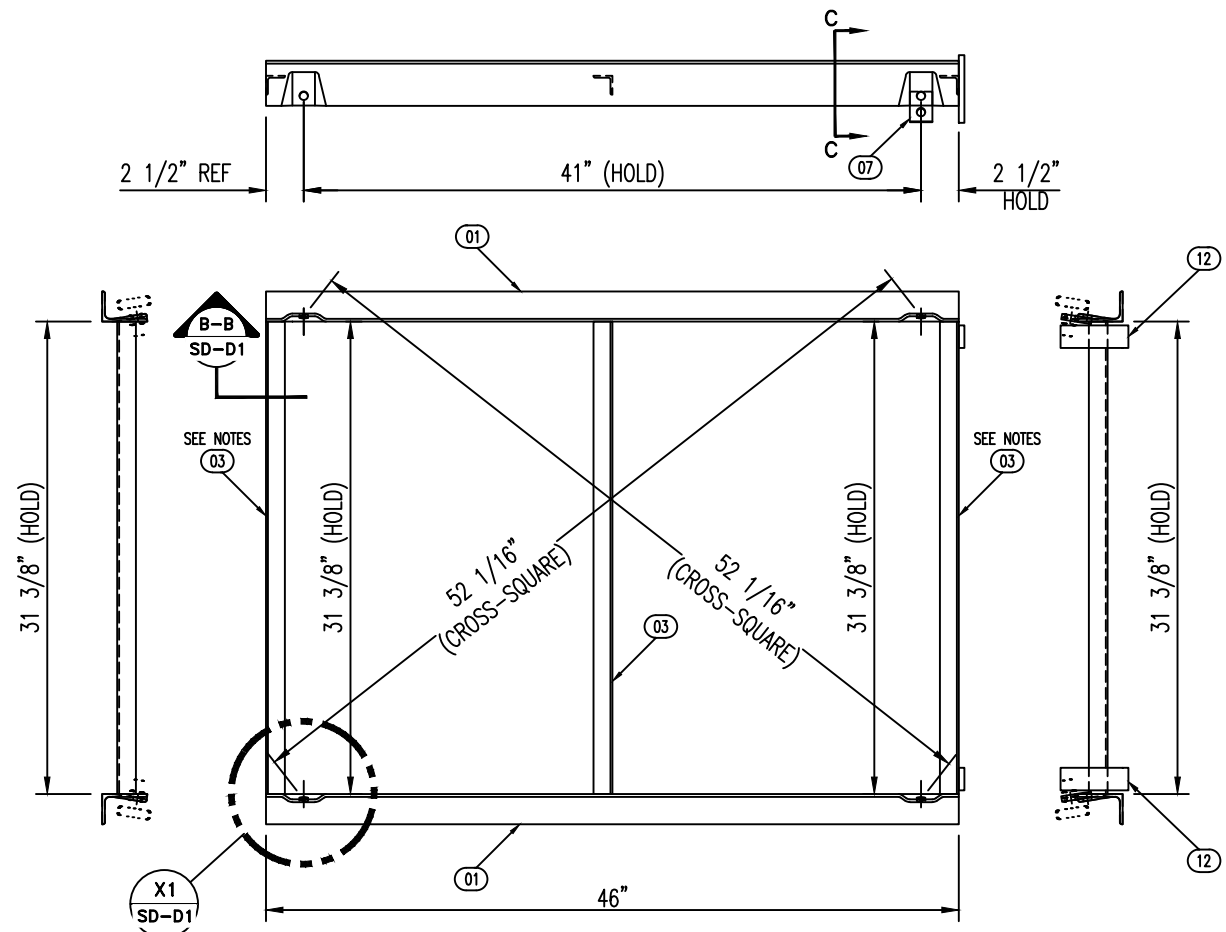
E

F

G

H

Please note this is product data & shop drawings from a previous racking project at this facility. This information is being provided as a basis of design for interested contractors to get an idea of the type & size of racking required for this facility.



NOTE ON SUBSTITUTION: MATERIAL SUBSTITUTION OF PC-03 TO L1 1/2 X 1 1/2 X 1/8 IS ALLOWABLE, BUT MUST BE DONE FOR ENTIRE RUN. WHEN MULTIPLE SHOPS ARE FABRICATING FOR THE SAME ORDER, RUNS MUST BE COORDINATED TO MATCH MATERIALS.

NOTES:

- 1.) ALL ANGLE AND PLATE STEEL SHALL BE ASTM A36 WITH A MINIMUM Fy = 36 KSI; ALL CHANNEL STEEL SHALL BE ASTM A529 GRADE 50; ALL TUBE STEEL SHALL BE ASTM A513 WITH A MINIMUM Fy = 46 KSI, UNLESS NOTED OTHERWISE.
- 2.) AFTER CARTS ARE FABRICATED, REMOVE ALL BURRS & WELD SPLATTER AROUND WHEEL HOLES.
- 3.) CARTS ARE PROVIDED WITH WASHERS FOR ADJUSTING CARTS ON TRACKS. ACTUAL NUMBER OF WASHERS REQUIRED PER WHEEL DEPENDS ON FIELD CONDITIONS.
- 4.) THIS CART IS DESIGNED TO FIT ON TRACKS WITH STANDARD 35 3/8" SPACING (C-C OF CLIP HOLE PATTERNS).

Bill of Materials					Custom Drawing: No	
Item: \109476-95016-GIC					Custom BOM: No	
Pc#	Q/U	Mtl#	Material Description	Qty/Cut	Unit	Ref. Dwg(s)/Comments
01	2	13169	SIDE-MEMBER, GICAT L3X2X3/16 46LG 2-HOLES FOR SDLV100, SDNL100 (M)	1	EA	M-19-01-21
03	3	11004	L 1 1/4 X 1 1/4 X 1/8 ASTM A36	31.375	IN	SD-D1
07	2	11218	F 3/8 X 1 1/2 ASTM A36	2	IN	-
12	2	11218	F 3/8 X 1 1/2 ASTM A36	4.5	IN	-
90	4	12735	WHEEL BEARING 1/2 FLAT ZINC	1	EA	-
91	4	13460	NUT HEX 1/2 SAE GR 2 ZINC	1	EA	-
92	6	13925	WASHER FLAT 1/2 GR 2 ZINC 7/8 OD FOR GIC WHEEL	1	EA	-

CART # "451"

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TOLERANCE ON:
 FEET ±1/8"
 INCHES ±1/16"
 DECIMALS ±.001
 ANGLES ±1°
 UNLESS OTHERWISE SHOWN

JOB: ABD IOWA

FIN: STD ORANGE

95016 GI CART, STD DUTY LEVEL, 1ST
 CART FOR 2 THRU 6-DEEP, W/SUPPORT,
 (GIC-SDLV100B), (#451)

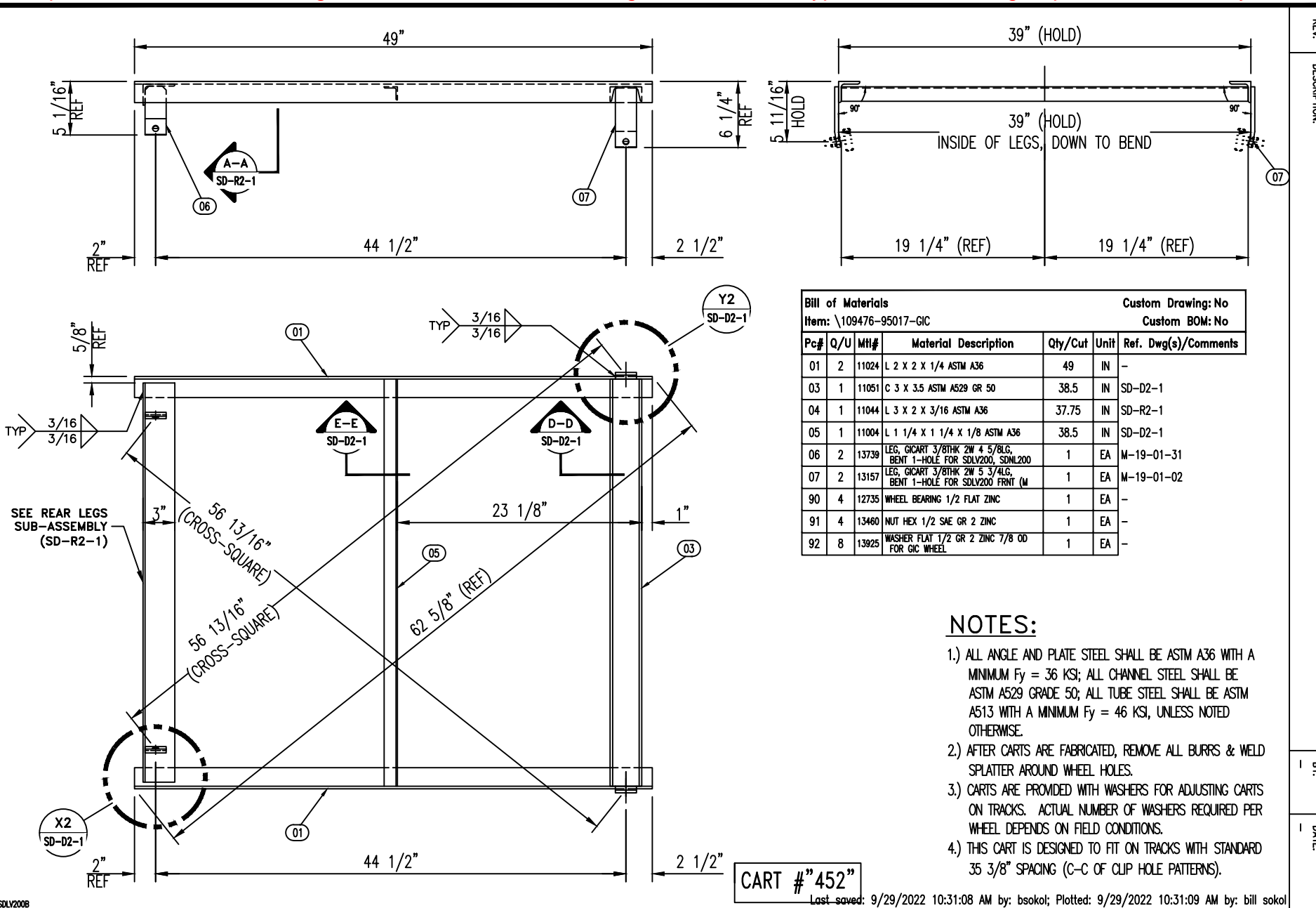
CNTRCT: -
 SHOP: -
 PHASE: -
 QTY: -

OP DATE: -
 DWG DATE: 09/19/22
 ENG LOC: NJ

DWG BY: FBC
 ENG BY: WMS
 CHK BY: WMS
 REV

DWG NO: A- 109476 -F95016

Please note this is product data & shop drawings from a previous racking project at this facility. This information is being provided as a basis of design for interested contractors to get an idea of the type & size of racking required for this facility.



Bill of Materials Custom Drawing: No
Custom BOM: No

Item: 109476-95017-GIC

Pc#	Q/U	MH#	Material Description	Qty/Cut	Unit	Ref. Dwg(s)/Comments
01	2	11024	L 2 X 2 X 1/4 ASTM A36	49	IN	-
03	1	11051	C 3 X 3.5 ASTM A529 GR 50	38.5	IN	SD-D2-1
04	1	11044	L 3 X 2 X 3/16 ASTM A36	37.75	IN	SD-R2-1
05	1	11004	L 1 1/4 X 1 1/4 X 1/8 ASTM A36	38.5	IN	SD-D2-1
06	2	13739	LEG, GICART 3/8THK 2W 4 5/8LG, BENT 1-HOLE FOR SDLV200, SDNL200	1	EA	M-19-01-31
07	2	13157	LEG, GICART 3/8THK 2W 5 3/4LG, BENT 1-HOLE FOR SDLV200 FRNT (M)	1	EA	M-19-01-02
90	4	12735	WHEEL BEARING 1/2 FLAT ZINC	1	EA	-
91	4	13460	NUT HEX 1/2 SAE GR 2 ZINC	1	EA	-
92	8	13925	WASHER FLAT 1/2 GR 2 ZINC 7/8 OD FOR GIC WHEEL	1	EA	-

NOTES:

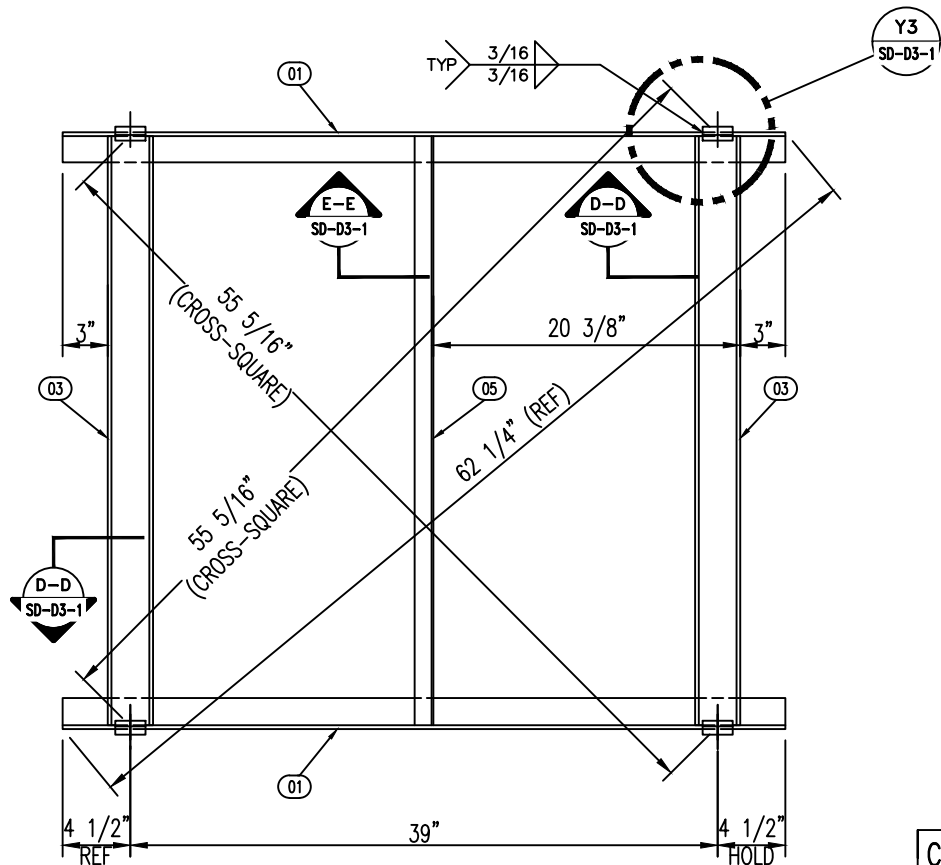
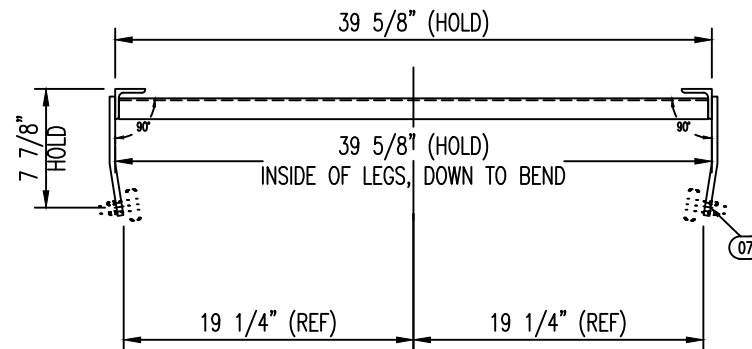
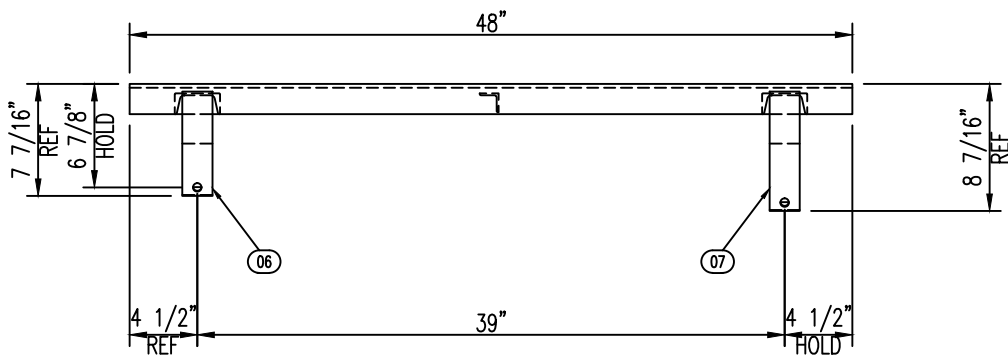
- 1.) ALL ANGLE AND PLATE STEEL SHALL BE ASTM A36 WITH A MINIMUM Fy = 36 KSI; ALL CHANNEL STEEL SHALL BE ASTM A529 GRADE 50; ALL TUBE STEEL SHALL BE ASTM A513 WITH A MINIMUM Fy = 46 KSI, UNLESS NOTED OTHERWISE.
- 2.) AFTER CARTS ARE FABRICATED, REMOVE ALL BURRS & WELD SPLATTER AROUND WHEEL HOLES.
- 3.) CARTS ARE PROVIDED WITH WASHERS FOR ADJUSTING CARTS ON TRACKS. ACTUAL NUMBER OF WASHERS REQUIRED PER WHEEL DEPENDS ON FIELD CONDITIONS.
- 4.) THIS CART IS DESIGNED TO FIT ON TRACKS WITH STANDARD 35 3/8" SPACING (C-C OF CLIP HOLE PATTERNS).

CART # "452"

Last saved: 9/29/2022 10:31:08 AM by: bsokol; Plotted: 9/29/2022 10:31:09 AM by: bill sokol

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	TOLERANCE ON:	FEET ±1/8"	<div style="border: 2px solid black; border-radius: 50%; padding: 5px; display: inline-block;">95017</div> GI CART, STD DUTY LEVEL, 2ND CART FOR 3 THRU 6-DEEP, W/SUPPORT, (GIC-SDLV200B), (#452)	SHOP: -	DWG BY: FBC	ENG BY: WMS	CHK BY: WMS	REV
	INCHES ±1/16"	DECIMALS ±.001		PHASE: -	DWG NO: A- 109476	-F95017		
	ANGLES ±1°	UNLESS OTHERWISE SHOWN		QTY: -				

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Bill of Materials
Item: \109476-95018-GIC

Custom Drawing: No
Custom BOM: No

Pc#	Q/U	MH#	Material Description	Qty/Cut	Unit	Ref. Dwg(s)/Comments
01	2	11024	L 2 X 2 X 1/4 ASTM A36	48	IN	-
03	2	11051	C 3 X 3.5 ASTM A529 GR 50	39.125	IN	SD-D3-1
05	1	11004	L 1 1/4 X 1 1/4 X 1/8 ASTM A36	39.125	IN	SD-D3-1
06	2	13162	LEG, GICART 3/8THK 2W 6 15/16LG, BENT 1-HOLE FOR SDLV340 REAR,	1	EA	M-19-01-07
07	2	13163	LEG, GICART 3/8THK 2W 7 15/16LG, BENT 1-HOLE FOR SDLV340 FRNT (M	1	EA	M-19-01-08
90	4	12735	WHEEL BEARING 1/2 FLAT ZINC	1	EA	-
91	4	13460	NUT HEX 1/2 SAE GR 2 ZINC	1	EA	-
92	12	13925	WASHER FLAT 1/2 GR 2 ZINC 7/8 OD FOR GIC WHEEL	1	EA	-

NOTES:

- 1.) ALL ANGLE AND PLATE STEEL SHALL BE ASTM A36 WITH A MINIMUM $F_y = 36$ KSI; ALL CHANNEL STEEL SHALL BE ASTM A529 GRADE 50; ALL TUBE STEEL SHALL BE ASTM A513 WITH A MINIMUM $F_y = 46$ KSI, UNLESS NOTED OTHERWISE.
- 2.) AFTER CARTS ARE FABRICATED, REMOVE ALL BURRS & WELD SPLATTER AROUND WHEEL HOLES.
- 3.) CARTS ARE PROVIDED WITH WASHERS FOR ADJUSTING CARTS ON TRACKS. ACTUAL NUMBER OF WASHERS REQUIRED PER WHEEL DEPENDS ON FIELD CONDITIONS.
- 4.) THIS CART IS DESIGNED TO FIT ON TRACKS WITH STANDARD 35 3/8" SPACING (C-C OF CLIP HOLE PATTERNS).

CART # "453"

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SDLV340B

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 FEET ±1/8"
 INCHES ±1/16"
 DECIMALS ±.001
 ANGLES ±1'
 UNLESS OTHERWISE SHOWN

JOB: ABD IOWA

FIN: STD ORANGE

95018 GI CART, STD DUTY LEVEL, 3RD
 CART FOR 4-DEEP, W/SUPPORT, (GIC
 -SDLV340B), (#453)

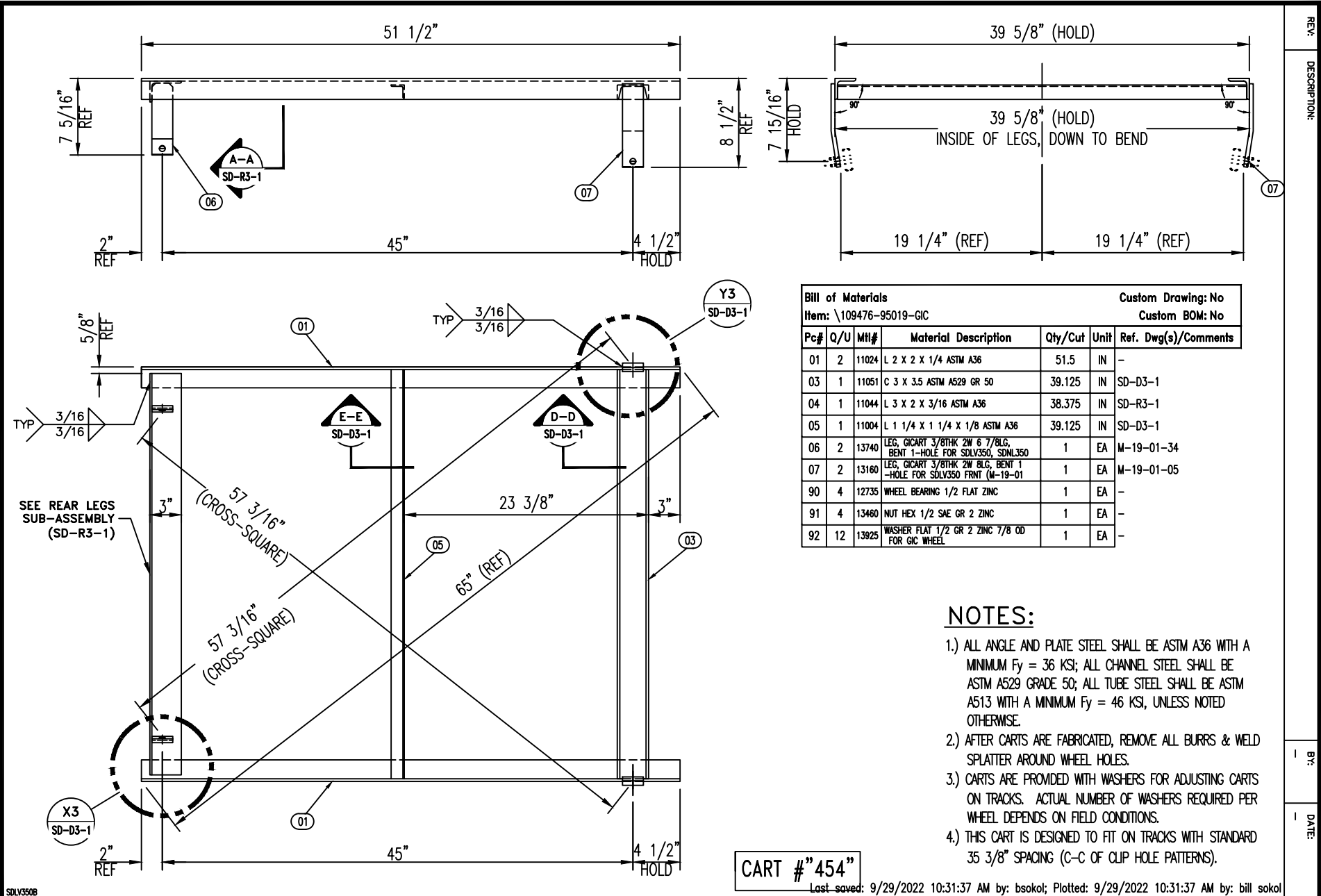
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 SHOP: -
 PHASE: -
 QTY: -

OP DATE: -
 DWG DATE: 09/19/22
 ENG LOC: NJ

DWG BY: FBC
 ENG BY: WMS
 CHK BY: WMS
 REV

DWG NO: A- 109476 -F95018

Please note this is product data & shop drawings from a previous racking project at this facility. This information is being provided as a basis of design for interested contractors to get an idea of the type & size of racking required for this facility.



NOTES:

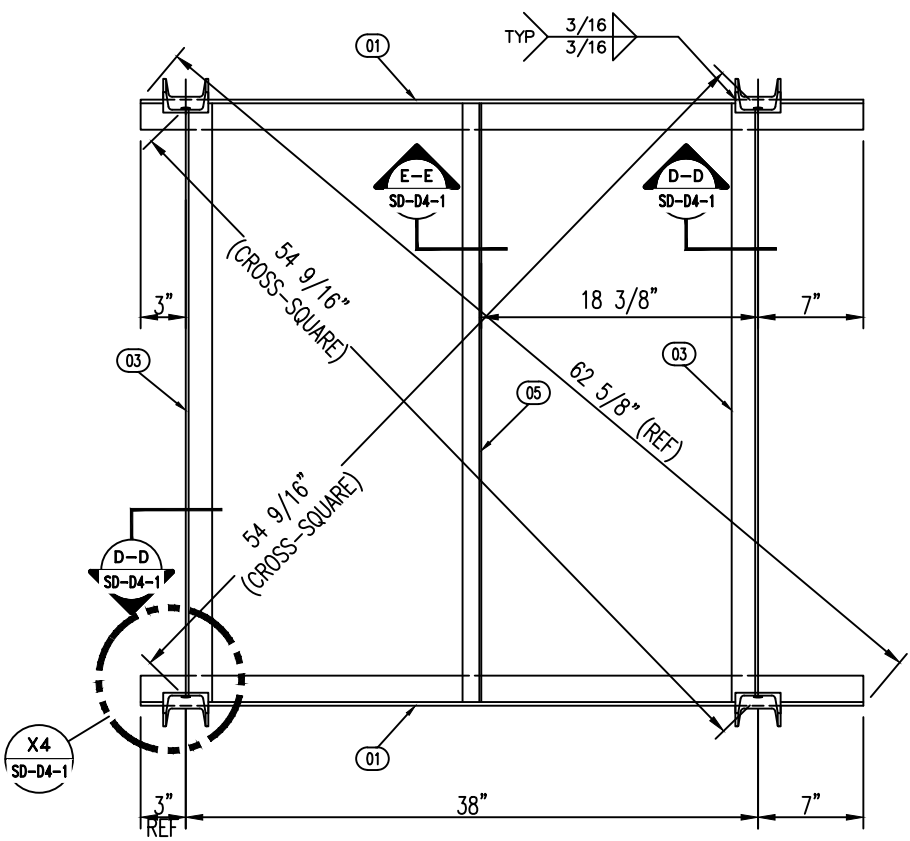
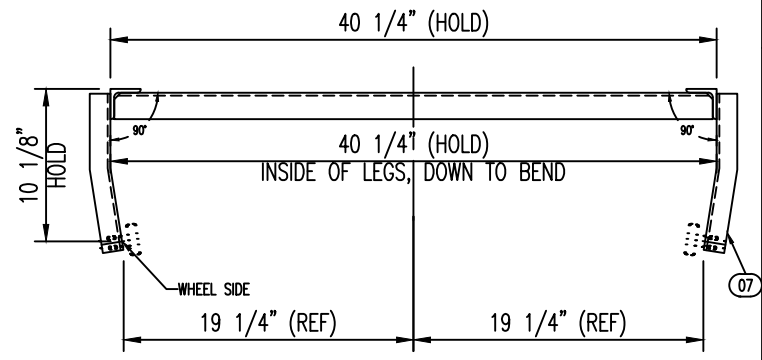
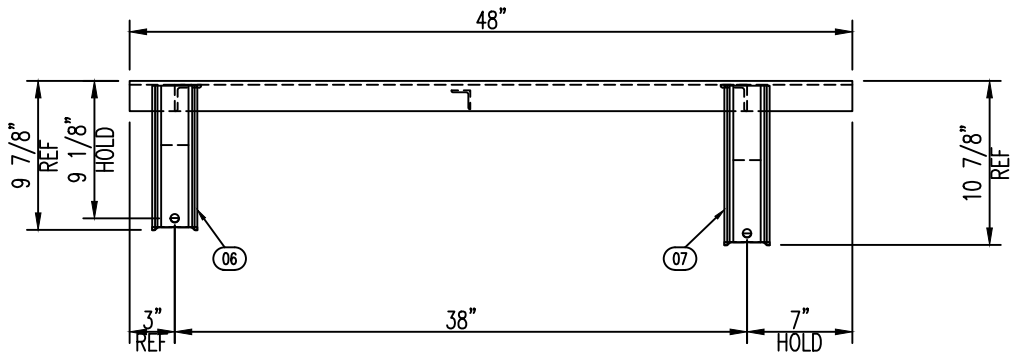
- 1.) ALL ANGLE AND PLATE STEEL SHALL BE ASTM A36 WITH A MINIMUM $F_y = 36$ KSI; ALL CHANNEL STEEL SHALL BE ASTM A529 GRADE 50; ALL TUBE STEEL SHALL BE ASTM A513 WITH A MINIMUM $F_y = 46$ KSI, UNLESS NOTED OTHERWISE.
- 2.) AFTER CARTS ARE FABRICATED, REMOVE ALL BURRS & WELD SPLATTER AROUND WHEEL HOLES.
- 3.) CARTS ARE PROVIDED WITH WASHERS FOR ADJUSTING CARTS ON TRACKS. ACTUAL NUMBER OF WASHERS REQUIRED PER WHEEL DEPENDS ON FIELD CONDITIONS.
- 4.) THIS CART IS DESIGNED TO FIT ON TRACKS WITH STANDARD 35 3/8" SPACING (C-C OF CLIP HOLE PATTERNS).

CART # "454"

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Bill of Materials
Item: 109476-95020-GIC

Custom Drawing: No
Custom BOM: No

Pc#	Q/U	Mtl#	Material Description	Qty/Cut	Unit	Ref. Dwg(s)/Comments
01	2	11024	L 2 X 2 X 1/4 ASTM A36	48	IN	-
03	2	11008	L 1 3/4 X 1 3/4 X 3/16 ASTM A36	39.75	IN	SD-D4-1
05	1	11004	L 1 1/4 X 1 1/4 X 1/8 ASTM A36	39.75	IN	SD-D4-1
06	2	13737	LEG, GICART CS X 4.1, BENT 3W 9 3/8LG 1-HOLE FOR SDLV450 REAR,	1	EA	M-19-01-15
07	2	13738	LEG, GICART CS X 4.1, BENT 3W 10 3/8LG 1-HOLE FOR SDLV450 FRNT (W	1	EA	M-19-01-16
90	4	12735	WHEEL BEARING 1/2 FLAT ZINC	1	EA	-
91	4	13460	NUT HEX 1/2 SAE GR 2 ZINC	1	EA	-
92	12	13925	WASHER FLAT 1/2 GR 2 ZINC 7/8 OD FOR GIC WHEEL	1	EA	-

NOTES:

- 1.) ALL ANGLE AND PLATE STEEL SHALL BE ASTM A36 WITH A MINIMUM Fy = 36 KSI; ALL CHANNEL STEEL SHALL BE ASTM A529 GRADE 50; ALL TUBE STEEL SHALL BE ASTM A513 WITH A MINIMUM Fy = 46 KSI, UNLESS NOTED OTHERWISE.
- 2.) AFTER CARTS ARE FABRICATED, REMOVE ALL BURRS & WELD SPLATTER AROUND WHEEL HOLES.
- 3.) CARTS ARE PROVIDED WITH WASHERS FOR ADJUSTING CARTS ON TRACKS. ACTUAL NUMBER OF WASHERS REQUIRED PER WHEEL DEPENDS ON FIELD CONDITIONS.
- 4.) THIS CART IS DESIGNED TO FIT ON TRACKS WITH STANDARD 35 3/8" SPACING (C-C OF CLIP HOLE PATTERNS).

CART # "455"

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