Ouray Silver Mines, Inc.
1900 Main St. Unit 1
PO Box 564
Ouray, CO 81427

OURAY SILVER MINES

To: Colorado Division of Reclamation, Mining & Safety
1313 Sherman Street, Rm 215
Denver, CO 80203
From: Todd Jesse, Environmental Specialist
Date: July 26, 2021
Subject: Technical Revision No. 16 to DRMS 112(d) Mining Permit # M2012-032

Dear Mr. West,

Ouray Silver Mines Inc. (OSMI) is submitting Technical Revision 16 (TR-16) to DRMS 112(d) Mining Permit # M2012-032 through the ePermitting Portal. TR-16 is intended to add surface infrastructure to the Revenue Mine site.

Please do not hesitate to call me with concerns or questions at 970-325-9830.

Sincerely,

Todd Jesse
Environmental Specialist
Ouray Silver Mines Inc.

OURAY SILVER MINES

PO Box 564, 1900 Main Street, Unit 1, Ouray, Colorado, USA 81427
Tel. 970-325-9830 ~ Fax. 970-325-9824

Revenue Virginius Mine
Building Modifications

Technical Revision No. 16
CDRMS Permit No. M-2012-032
July 21, 2021

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1 Introduction

This Technical Revision (TR) 16 requests the following revisions to the Revenue-Virginius Mine (Mine) Division of Reclamation, Mining, and Safety (DRMS) Permit No. M-2012-032 (Permit).

1) Approval to construct two equipment storage warehouses at the Revenue Mine site.
2) Approval to place a security building located at the entrance of the Revenue Mine Site.
3) Approval to place temporary lineout buildings on surface at the Revenue Mine Site.
4) Approval to construct a vehicle washdown area near the mechanic shop.
5) Approval to place temporary generators and a 10,000-gallon fuel tank on surface at the Revenue Mine Site.

This Technical Revision describes the reasoning, characteristics, construction, and need to construct surface infrastructure at the Revenue Mine. Supporting information is presented under the following sections, background information (Section 2), project rationale (Section 3), construction (Section 4), and reclamation (Section 5).

The two storage warehouses were approved under TR-09. However, design of these buildings and their proposed location has changed since TR-09 was approved. The security building, temporary lineout rooms, and the vehicle wash are new additions.

2 Background Information

The Mine, owned and operated by Ouray Silver Mines Inc. (OSMI), is an active silver mine located approximately 6 miles Southwest of Ouray Colorado along County Road 26. The Sneffels District has a rich mining history that began with the staking of the Virginius in 1876 in Governor Basin. The Revenue Tunnel was built as a lower access point to the Virginius in 1893. The bulk of mining activity occurred from 1878 through 1912, with intermittent mining since. The Mine is currently permitted to operate under Amendment 1 to DRMS designated mining operations (DMO) permit (Section 112-d) M-2012-032. There are two permitted disturbance areas – one at the Revenue Tunnel and another in Governor Basin. The Mine is in a state of construction and development, moving towards ore production.

Several Technical Revisions (TR's) to Amendment 1 of M-2012-032 have been filed over the recent years. These revisions, summarized below, have focused on improved mill functioning, waste reduction, and improved environmental protocols. Recent TR's are summarized below.

TR-15 – Recertification of the mill at the Revenue Mine Site.

TR-14 – Certification of the new mill filter building extension, which will house reagent chemicals (permitted under TR-09) to be designated as an Environmental Protection Facility (EPF) for control and containment of designated chemicals used as reagents in the milling process.

TR-13 – Officially withdrawn. Bond update that was proposed under this TR will be addressed by Amendment 2.

TR-12- Ongoing. Characterization and monitoring of hydrocarbons found in GW-4. Allows for the abandonment of GW-4.

TR-11- Updated the water monitoring program. Allowed placement of Pilot Passive Water Treatment Materials within permit boundary. Updated reclamation plan to incorporate Waste Storage Pad and address minor modifications to topsoil placement.

TR10- Allowed the construction of the five-stage passive treatment system with discharge to surface water as permitted through CDPHE (CO-0000003 Modification 5)

TR09 – Updated groundwater standards, allowed the sale of mixed tailings and waste rock as road base. Allowed for the relocation of buildings and construction of two storage warehouses.

3 Project Rationale

3.1 Equipment Storage Warehouses

A group of stacked Connex shipping containers on the east end of the Revenue Mine site is currently being used for storage, but these containers cannot be easily accessed by machinery due to size. The dimensions of the containers also limit the size of materials that can be stored inside. Additionally, the Connex containers are difficult to access during winter months. Due to these constraints, the containers will be replaced by two equipment storage warehouses to increase storage space and access to items in storage. Two storage laydown areas were proposed under TR-09. However, design of the warehouses and their location has been modified by the mine in recent years. One storage warehouse will be placed on the east end of the permit boundary where the Connex are currently placed. This will serve as storage for the mill and shop areas. The other storage warehouse will be placed to the north of the administrative building and be connected to the rail yard with track - this storage warehouse will serve miners underground.

3.2 Security Building

A security building is needed at the entrance to the Revenue Mine site to control unauthorized access to the Mine. County Road 26 sees heavy tourist traffic, especially in the summer months and OSMI has experienced multiple occurrences where tourist vehicles have entered the mine site looking for 4-wheel drive trails or bathrooms. A security building is needed to manage road activity and monitor traffic entering and exiting the mine site.

3.3 Temporary Office Buildings

As the mine hires more employees and utilizes contractors to complete projects, additional room is needed for offices and meeting areas. The admin building/dry room is currently being expanded (as permitted in TR-09) to accommodate this need, but temporary buildings are needed for offices and lineout meetings while construction is being completed on the admin expansion. The temporary buildings are prefabricated, temporary structures that have been leased for a six-month

period with options to extend the lease if the additional office space is needed beyond that time period. The buildings will be removed when they are no longer needed. One edifice is currently located to the west of the administrative building and is used for office personnel, storage, supplementing administrative space, pre-shift meetings and accommodating the Mine Rescue Team and MSHA training. This building is only being utilized while the office/dry building is being expanded and will be removed upon completion of the dry building. The other edifice is located on the east end of the mine site and is utilized by contractors for office space and daily tailgate sessions.

3.4 Equipment Wash Area

An area near the underground shop is needed clean equipment before it is taken into the shop for maintenance. To prevent contaminates from entering soils, a concrete pad with a sump will be constructed to contain material that is washed from vehicles. This will allow mechanics to clean vehicles and equipment before it is brought into the maintenance shop.

3.5 Generator Station

San Miguel Power is planning power outages for the end of the summer. In order to be prepared for the outages the mine needs to bring two additional generators to the mine site to ensure that there is enough power for the entire mine site to operate without downtime. The generator that is currently on site will be used to power the administration building. The additional generators will provide power for the rest of the mine site. A fuel tank will also need to be brought to site to provide fuel for the generators. The tank will be 10,000 gallons and sit next to the generators. Each of the generators will be able to hold 1,200 gallons of fuel each. The new generator station has been added to the mine's SPCC plan. An updated version of the SPCC plan is attached.

4 Construction

4.1 Equipment Storage Warehouses

To provide more storage space and improved access to supplies, two 50' 3" x 60' 3" equipment storage warehouses will be constructed in 2021. One of the equipment storage warehouses will be built in approximately the same location as the Connex storage containers on the east end of the permit boundary. The other will be built to the north of the Admin Building so that it can be accessed by rail (Surface Structure Map). The proposed equipment storage warehouse will not have a concrete floor. As shown in drawings 965-FF-01 and 965-FF-02, the warehouse structures will be supported by cement footers with rebar reinforcement. The structures will be covered with sheet metal and a 15' door will be installed on each structure to access stored supplies. An engineered drawing package of the structures can be found in Appendix 1.

4.2 Security Building

Dimensions of the security building will be 15' X 30' X 18'. The building is not a permanent structure. There will be no concrete foundation under the building, it will rest on compacted road base at the entrance to the mine site (Surface Structure Map). This is a modular building that will

be constructed off site and moved to the mine site. The building is mounted on 4x6" skids to allow it to be moved. The building will be equipped with electric and Internet utilities for communications. There will also be a portable toilet placed in the area around the security building so that workers do not need to leave to use facilities in the mill or admin building. An invoice that shows the dimensions of the building and siding and roofing specifications is attached in Appendix 2.

4.3 Temporary Office Buildings

The temporary office buildings are 32' X 20' X 9.6' mobile structures with no foundation - the building rests on compacted road base. The buildings are mobile units that are mounted on skids so that that may easily be moved. The temporary buildings have power and use wifi. The buildings have been leased for 6 months and will be taken off site once the lease expires. A lease agreement that shows the dimension of the mobile offices is attached in Appendix 3.

4.4 Equipment Wash Area

The equipment wash area will be a concrete apron approximately 50 feet long and 9-10 feet wide. The thickness of the reinforced concrete will be 6 inches. A swale will be formed in the concrete which is 6" to 8" deep and leads to a sump on the east side of the pad. A level-controlled pump of approximately 10 gpm capacity will be installed to pump any liquids generated by the washing area through an oil/water separator to remove hydrocarbons. Once hydrocarbons have been separated, the water will then be sent to the drainage ditch where it will be treated in the passive water system. The oily sludge that is collected in the oil/water separator will be stored in secondary containment in the waste storage pad and disposed of in accordance with waste disposal practices. As-built drawings with exact dimensions of the pad will be sent to the DRMS once the pad has been constructed.

4.5 Generator Station

This fuel tank will be a prefabricated double walled tank that will be brought to site and placed on the east end of the property near the mill. The area where the fuel tank will be placed will be leveled and compacted with road base to provide a sound base for the tank. The two generators will be left on the trailers that they are brought to site on – there will be no foundation for the generators. The fuel tank is 10,000 gallons and the generators can hold 1,200 gallons each.

5 Reclamation

5.1 Equipment Storage Warehouses

The equipment storage warehouse areas will be removed at the same time as other structures around the Revenue Portal. The structures will be dismantled and placed in the underground portal, which is consistent with the updated Reclamation Plan. Buildings that will remain on site are also shown on Updated Map F-1a. The reclamation bond will be updated as part of the upcoming Amendment 2, which will be submitted later in 2021.

5.2 Security Building

This structure will be removed from site. This building does not rest on a permanent foundation, is mounted on skids, and can easily be removed from the site. Upon reclamation, the power to the building will be disconnected and the building will be sold or dismantled once removed from the mine site.

5.3 Lineout Building

Temporary structures with no foundation. Once the buildings are no longer needed the power will be disconnected and the company that the buildings are leased from will be contacted. The temporary buildings will then be removed from site and returned to the company from which they are leased.

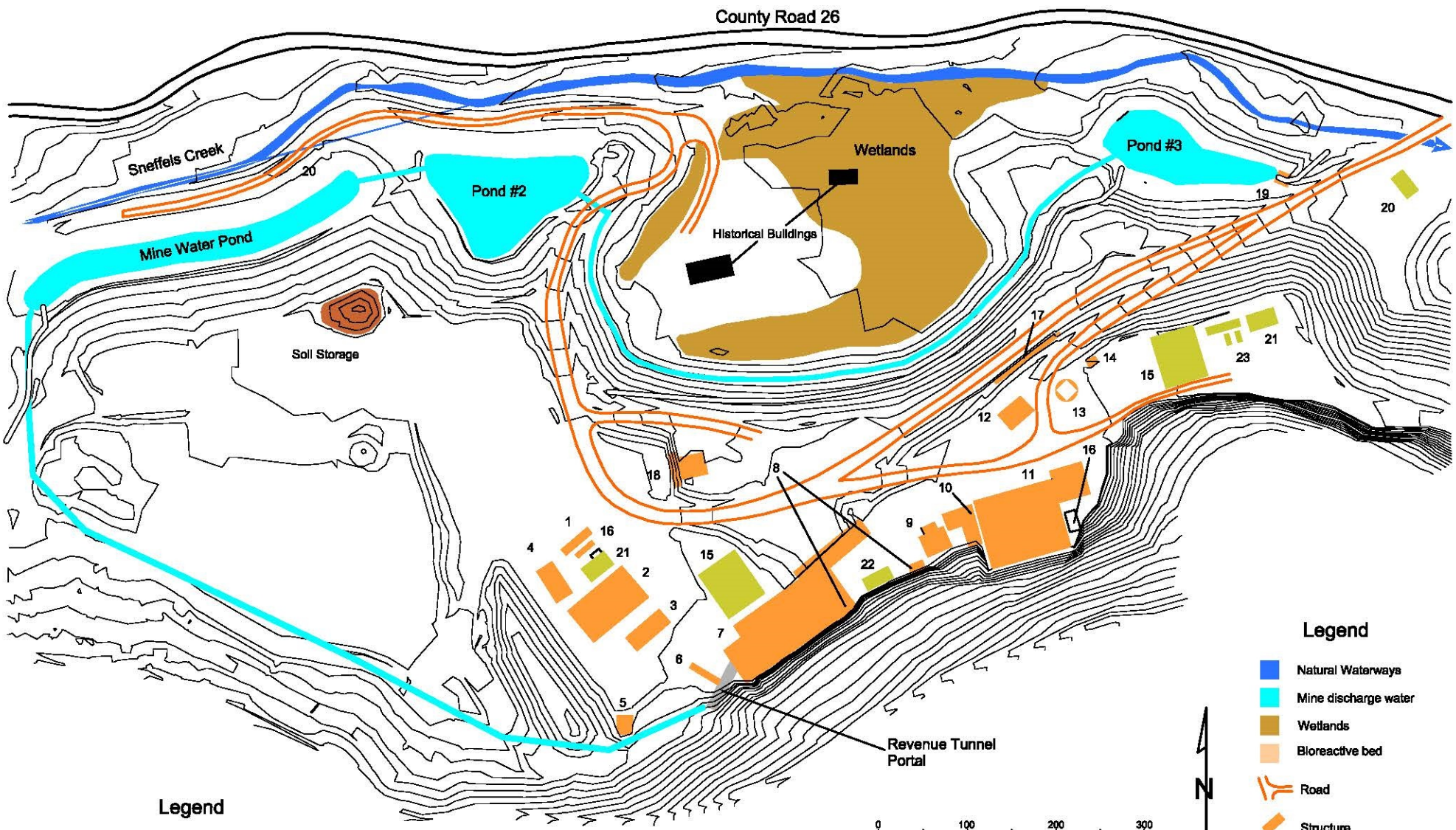
5.4 Equipment Wash Area

The concrete pad will be removed as part of the underground shop reclamation. The reclamation bond will be updated as part of the upcoming Amendment 2, which will be submitted later in 2021.

5.5 Generator Station

Temporary structures with no foundation. The temporary tank will be removed from the site and returned to the company from which it was leased once it is no longer needed. The generators are also temporary and are on wheels so that they can easily be moved off site. The power lines that connect the generators to the mine will be disconnected and the equipment will be moved off site and returned to the vendor.

Maps



Legend

1 Fuel Storage & Filling Station
2 Admin Building
3 Air Compressor Bldg
4 Propane Storage A
5 Propane Storage B (underground)
6 Ventilation Fan
7 Rail Yard & Battery Charging
8 UG Warehouse & Shop
9 Electrical Center
10 Backup Generator
11 Concentrator & Filter Building
12 Waste Storage
13 Tailings Thickener Tank
14 Propane Storage C
15 Storage Warehouses
16 Septic Tanks
17 Access Road Retaining Wall
18 Crusher & Retaining Wall
19 Hut at Outfall 002A
20 Security Building
21 Temporary Lineout Room
22 Temporary Lineout Room
23 Temporary Generator Station

Todd Jesse
Environmental Specialist

PO Box 564
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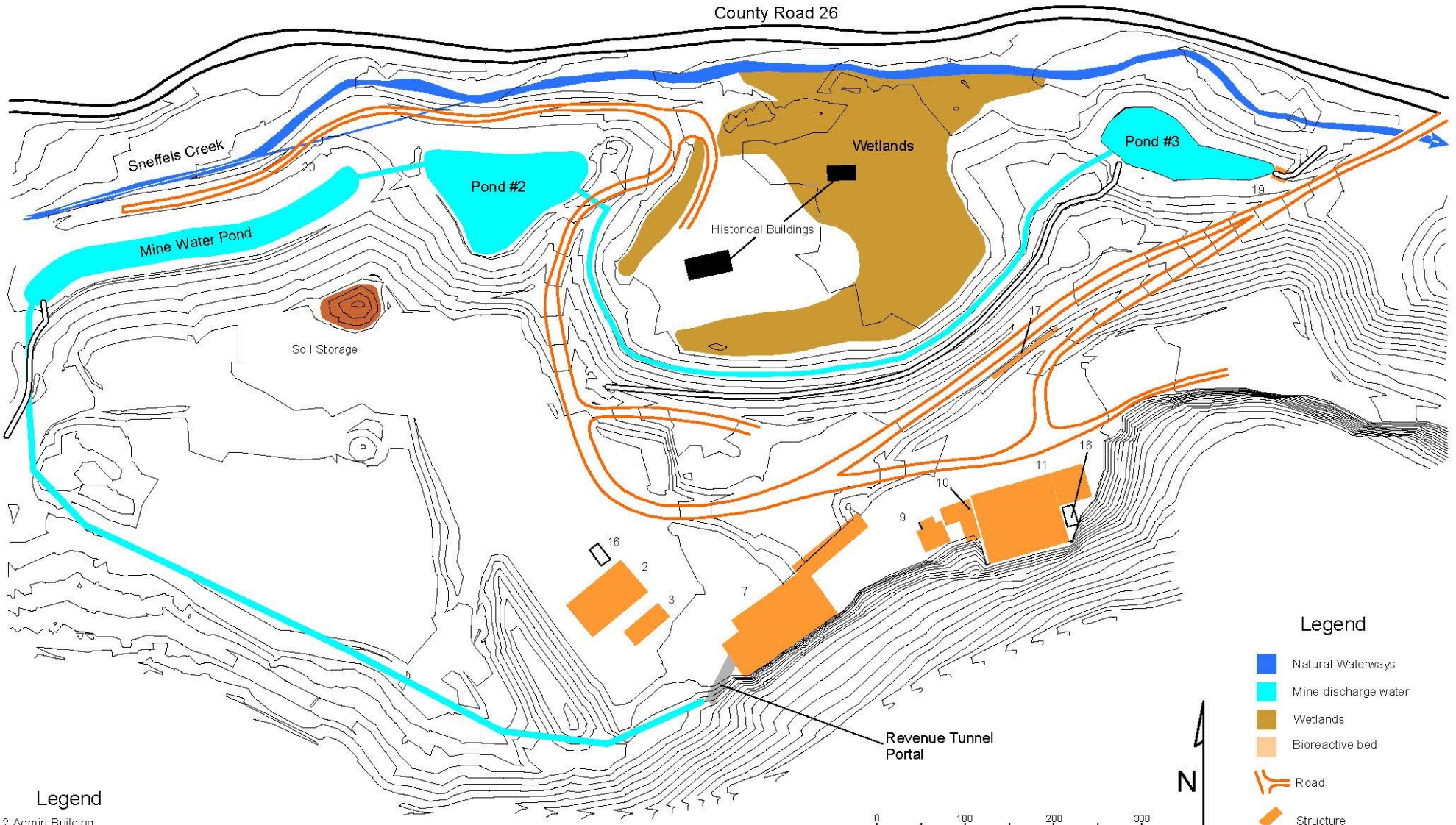
July 2021

REVENUE - VIRGINIUS MINE

Surface Structure Map



Legend

2 Admin Building
3 Air Compressor Bldg
7 Rail Yard & Battery Charging
9 Electrical Center
10 Backup Generator
11 Concentrator & Filter Building
16 Septic Tanks
17 Access Road Retaining Wall
19 Hut at Outfall 002A

Todd Jesse
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PO Box 564
Ouray CO 81427

February 2021

REVENUE - VIRGINIUS MINE

Updated Structure Reclamation Map F-1a

Appendix 1.
Warehouse Storage Area Drawing Package

GENERAL NOTES

1.1 Fabrication shall be in accordance with G.S.C. standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D1.1 and D1.3". G.S.B. manufacturing procedures are certified by:

Reference	Certification numbers
Houston	G.S.C. #456

1.2 MATERIALS

	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot Rolled Steel Shapes (W, S, C & L)	A572	Fy = 50 KSI
Steel Pipes	A500	Fy = 42 KSI
Structural Tubing	A500	Fy = 46 KSI
Structural Steel Web Plate	A572/A1011	Fy = 55 KSI
Structural Steel Flange Plates/Bars	A529/A572	Fy = 55 KSI
Cold Formed Light Gage	A653/A1011	Fy = 50, 55 KSI
Roof and Wall Sheets	A792/A653	Fy = 50, 80 KSI
Cable Brace	A475 – TYPE 1	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A307	Fu = 60 KSI
High Strength Bolts (1"ø and less)	A325–TYPE 1	Fu = 120 KSI
High Strength Bolts (>1"ø to 1 1/2"ø)	A325–TYPE 1	Fu = 105 KSI
Anchor Bolts (if supplied)	A36/A307/F1554	Fu = 60 KSI

1.3 PRIMER
Shop primer paint is a rust inhibitive primer which meets the end performance of Federal Specification SSPC No. 15 and is G.S.C. Red Oxide color. This paint is not intended for long term exposure to the elements. G.S.C. is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or jobsite storage. G.S.C. shall not be responsible for any field applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice, 14th Edition). Nominal thickness of primer will be 1 mil unless otherwise specified in contract documents.

1.4 GALVANIZED OR SPECIAL COATINGS:
See Contract Documents

1.5 ALL BOLTS ARE 1/2"ø x 0'–1" A307 EXCEPT :
a) Eave strut connection – 1/2"ø x 0'–1 1/4" A307
b) Endwall rafter splice – 5/8"ø x 0'–1 3/4" A325–N
c) Endwall column to rafter connection – 1/2"ø x 0'–1 1/4" A325–N
d) Main frame connections – SEE CROSS SECTION

NOTE: Washers are not supplied unless noted otherwise on drawing

1.6 A325 BOLT TIGHTENING REQUIREMENTS

All high strength bolts are A325–N unless specifically noted otherwise.

Structural bolts shall be tightened by the turn–of–the–nut method in accordance with the 14th Edition AISC "Specification For Structural Joints using ASTM A325 or A490 Bolts", when specifically required. A325–N bolts are supplied without washer unless otherwise noted on the drawings.

All bolted connections unless noted are designed as bearing type connections with bolt threads not excluded from the shear plane.

1.7 CLOSURE STRIPS ARE FURNISHED FOR APPLICATION:

INSIDE– Under roof panels at eave
OUTSIDE – Between endwall panels and rake trim
– Under continuous ridge vent skirts

1.8 ERECTION NOTE:
All bracing, strapping, & bridging shown and provided by G.S.C. for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.

1.9 ERECTION AND UNLOADING NOT BY G.S.C.

1.10 SHORTAGES
Any claims or shortages by buyer must be made to G.S.C. within five (5) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed.

1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)
Claims for correction of alleged misfits will be disallowed unless G.S.C. shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of G.S.C.

BUYER/END USE CUSTOMER RESPONSIBILITIES

2.1 It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release G.S.C. to fabricate upon receiving such.

2.2 General Steel Corporation (hereafter referred to as G.S.C.) standard specifications apply unless stipulated otherwise in the Contract Documents. G.S.C. design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.

2.3 In case of discrepancies between G.S.C. structural steel plans and plans for other trades, G.S.C. plans shall govern. (Section. 3 AISC Code of Standard Practices, 14th Edition)

2.4 Approval of G.S.C. drawings and calculations indicates that G.S.C. has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the G.S.C. design concepts, assumptions, and loading. (Section 4 AISC Code 14th Edition and MBMA 3.3.3)

2.5 Once the BUYER/END USE CUSTOMER has signed G.S.C. Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.

GENERAL STEEL CORPORATION

FOR PERMIT

DRAWING PACKAGE

SALES NO.	68726	JOB NO.	148759	BUILDING	A
CUSTOMER	AMMC Industries				
END USER	AMMC Industries				
END USE	Shop				
STREET	19911 Hwy. 550				
CITY ST ZIP	Montrose, CO 81403				
COUNTY	Montrose				

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:

Design Code	: IBC 18
Dead Load (psf)	: Metal building structure only by RGB
Collateral Load (psf)	: 0.00
Wind Load	
Basic Design Wind Speed	: V (3 sec. gust) = 115 mph
Allowable Stress Design Wind Speed	: Vasd (3 sec. gust) = 89.080 mph
Risk Category	: II – Normal
Wind Exposure	: C
Internal Pressure Coefficient, GCPi	: 0.180 /–0.180
Design Wind Pressure For Wall	: Based on Allowable Stress Design Wind Speed
Components Wind Pressure (psf) asd	: 10.92
Components Wind Suction (psf) asd	: –12.00
Claddings Wind Pressure (psf) asd	: 12.78
Claddings Wind Suction (psf) asd	: –13.86
Enclosure	: Closed
Live Load	
Primary Framing (psf)	: 20.00
Trib. Area Reduction	: No
Secondary Framing (psf)	: 20.00
Snow Load	
Ground Snow Load, Pg (psf)	: 173.00
Roof Snow Load, Pf (psf)	: 121.10
Sloped Roof Snow Load, Ps (psf)	: 121.10
Snow Exposure Factor, Ce	: 1.000
Snow Importance Factor, Is	: 1.000
Thermal Factor, Ct	: 1.000
Sloped Factor, Cs	: 1.000
Seismic Load	
Seismic Importance Factor, Ie	: 1.000
Seismic Occupancy Category	: II – Normal
Site Class	: D
Mapped Spectral Response Acceleration	: Ss = 0.330 :S1 = 0.075
Spectral Response Coefficients	: Sds = 0.337 :Sd1 = 0.120
Seismic Design Category	: C
Basic Force Resisting Systems Used	: Steel Systems Not Specifically Detailed For Seismic Resistance : Rigid Frames : Braced Frames
Total Design Base Shear, V (kips)	: Longitudinal= 10.63 Transverse=10.70
Response Modification Factors, R	: Rigid Frames = 3.00 : SW X–Bracing = 3.00 : EW X–Bracing = 3.00
Seismic Response Coefficient, Cs	: Rigid Frames = 0.112 : SW X–Bracing = 0.112 : EW X–Bracing = 0.112
Analysis Procedure Used	: Equivalent Lateral Force Procedure
Rainfall Intensity (in/hr)	
Other Loads/Requirements	: NONE

BUILDING DESCRIPTION:

Width (ft)	: 50
Length (ft)	: 60
Eave Ht. at BSW (ft)	: 17
Eave Ht. at FSW (ft)	: 17
Roof Slope at BSW	: 2.0:12
Roof Slope at FSW	: 2.0:12
Bay Spacing (ft)	: 3 at 20

COVERING AND TRIMS:

Roof Panels & Trims	
Panel Type	: 26 Ga. PBR
Panel Color	: Glvm.Plus
Trim Colors	
Eave Trim	: S2000 Standard
Eave Gutter	:
Gable Trim	: S2000 Standard
Wall Panel & Trims	
Panel Type	: 26 Ga. PBR
Panel Color	: S2000 Standard
Trim Colors	
Corner Trims	: S2000 Standard
Opening Trims	: S2000 Standard
Downspouts	:
Base Trim	: S2000 Standard
Mas. Flash	: S2000 Standard
Special Requirements	: NONE

NOTE:
For Snow/Ice Removal Procedure, Refer to Metal Building System Manual 2012 Edition, Section A9.4, Page A–59

Before erecting your building, please see the Rigid Erection & Safety Manual at rigidbuilding.com/document–library

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT GENERAL STEEL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY G.S.C. IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN G.S.C. ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

2.6 The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by G.S.C. and G.S.C. steel system are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or G.S.C. assumptions will govern (Section 4 and Commentary, AISC Code of Standard Practice, 14th Edition)

2.7 It is the responsibility of the BUYER/END USE CUSTOMER to insure that G.S.C. plans comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that G.S.C. or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by G.S.C.

2.8 The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with G.S.C. "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "FOR CONSTRUCTION DRAWINGS" for this use. (Section 7 AISC Code of Standard Practice, 14th Edition.)

2.9 General Steel Corp. is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete or the adequacy of the anchor bolt in relation to the concrete.
Unless otherwise provided in the Order Documents, G.S.C. does not design and is not responsible for the design, material and construction of the foundation or foundation embedments. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site.
It is recommended that the anchorage and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Chapter IV Section 3.2.2 Metal Building Systems Manual 2012 Edition)

2.10 Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to be reported immediately to G.S.C. by the BUYER/END USE CUSTOMER, to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others. (Section 7 AISC Code of Standard Practice, 14th Edition)

2.11 Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his work, or the work of other trades, to accommodate other trades, unless such work is clearly specified in the contract documents. Whenever such work is specified, the BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size, location and number of alterations prior to preparation of shop drawings. (Section 7 AISC Code of Standard Practice, 14th Edition)

2.12 WARNING In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run–off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

2.13 SAFETY COMMITMENT General Steel Corp. has a commitment to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of G.S.C.
It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees.
Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

2.14 Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.

2.15 It is recommended by Factory Mutual (Reference: 82.44) that roofs be cleared of snow when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See Chart below.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
25	17.25	8.62
30	17.90	8.95
35	18.55	9.28
40	19.20	9.60
45	19.85	9.92
50	20.50	10.25
55	21.15	10.58
60	21.80	10.90
65	22.45	11.22
70	23.10	11.55
75	23.75	11.88
80	24.40	12.20

COLORADO LICENSED
CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER
11/5/20

CUSTOMER					
AMMC Industries					
SALES NO.	JOB NO.	BUILDING	ENG. NO.	REV.
68726	148759	A	C001	A

UNLOADING, HANDLING AND STORING OF MATERIALS

STRUCTURAL

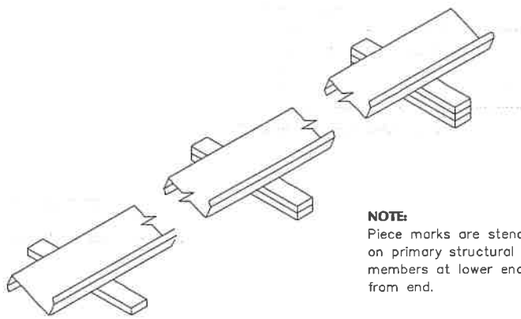
A great amount of time and trouble can be saved if the building site is according to a pre–arranged plan. Proper location and handling of components will eliminate unnecessary handling.

Inspect all shipments prior to releasing the tie–downs for loads that may have shifted during transit, **REMEMBER, SAFETY FIRST!**

Blocking under the columns and rafters protects the splice plates and the slab from damage during the unloading process. It also facilitates the placing of slings or cables around the members for later lifting and allows members to be bolted together into sub–assemblies while on the ground. Extra care should always be exercised in the unloading operations to prevent injuries from handling the steel and to prevent damage to materials and the concrete slabs.

If water is allowed to remain for extended periods in bundles of primed parts such as girts, purlins etc., the pigment will fade and the paint will gradually soften, reducing the bond to the steel. Therefore, upon receipt of a job, all bundles of primed parts should be stored at an angle to allow any trapped water to drain away and permit air circulation for drying. Puddles of water should not be allowed to collect and remain on columns, rafters or beams for the same reason.

All Primer should be touched up as required before erection!



NOTE:
Piece marks are stenciled on primary structural members at lower end, 1'–0" from end.

WALLS AND ROOF PANELS

G.S.C.'s wall and roof panels including color coated, galvalume and galvanized, provide excellent service under widely varied conditions. All unloading and erection personnel should fully understand that these panels are quality merchandise which merit cautious care in handling.

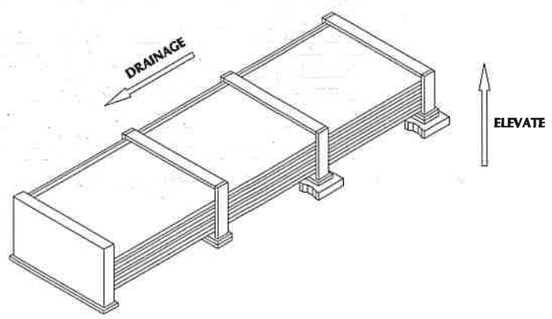
Under no circumstances should panels be handled roughly. Packages of sheets should be lifted off the truck with extreme care taken to insure that no damage occurs to ends of the sheets or to side ribs. The packages should be stored off the ground sufficiently high to allow air circulation underneath the packages. This avoids ground moisture and deters people from walking on the packages. One end of the package should always be elevated to encourage drainage in case of rain.

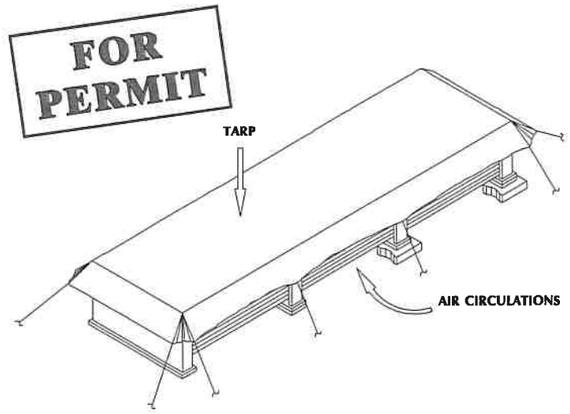
All stacked metal panels are subject, to some degree, to localized discoloration or stain when water is trapped between their closely nested surfaces. GSC exercises extreme caution during fabricating and shipping operations to insure that all panel stock is kept dry. However, due to climatic conditions, water formed by condensation of humid air can be trapped between stacked sheets. Water can also be trapped between stacked sheets when exposed to rain. This discoloration caused by trapped moisture is often called wet storage stain.

The stain is usually superficial and has little effect on the appearance or service life of the panels as long as it is not permitted to remain on the panels. However, moisture in contact with the surface of the panels over an extended period can severely attack the finish and reduce the effective service life. Therefore, it is imperative that all panels be inspected for moisture upon receipt of the order. If moisture is present, dry the panels at once and store in a dry, warm place.

CAUTION: Care should always be taken when walking on panels. Use softey lines and nets when necessary! Panels are slippery. Oil or wax applied to the roof and wall panels for protection against weather damage will make them a very slippery surface. Wipe dry any oil that has puddled from bundles stored on a slope. Dew, frost, or other forms of moisture greatly increase the slipperiness of the panels. Always assume panel surface is slippery and act accordingly. **Think safety!!**

Use wood blocking to elevate and slope the panels in a manner that will allow moisture to drain. Wood blocking placed between bundles will provide additional air circulation. Cover the stacked bundles with a tarp or plastic cover leaving enough opening at the bottom for air to circulate.





When handling or uncrating the panels, lift, rather than slide, them apart. Burred edges may scratch the coated surfaces when sheets are slid over one another. Never allow panels to be walked on while on the ground.

Rough and improper handling of a panel is inexcusable and a prime example of poor job supervision.

NOTE:
Use gloves when handling metal panels to prevent hand injuries. Be aware, of the dangers of handling panels on a windy day. A large panel can catch enough wind to knock a worker off his feet, even at ground level!! **Safety first!**

GENERAL NOTE:
1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING THE ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

11/5/20

COLORADO LICENSED
CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER

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AMMC Industries				
SALES JOB# 68726	JOB# 148759	DRAWING A	DWG. NO. C002	REV. A

LEGENDS & ABBREVIATIONS

DESIGN:

Accel.	Acceleration
Coeff.	Coefficient
CL, Collat	Collateral Load
DL, Dead	Dead Load
H, Horz, Horiz	Horizontal
L	Left
LL, Live	Live Load
LnWnd, LnWind, LWIND	Longitudinal Wind Load
Min, min	Minimum
Max, max	Maximum
R	Right
SL	Snow Load
Slide	Sliding Snow Load
SEIS, Seis	Seismic Load
U_Snow	Unbalance Snow Load
V, Vert	Vertical
WL, Wind_L	Wind Load Left
WR, Wind_R	Wind Load Right
WP, Wind_P	Wind Pressure
WS, Wind_S	Wind Suction

ENGLISH UNITS

Acre	Acres
FT, ft	Feet
GA, Ga, ga	Gage
Gal	Gallons
IN, In	Inches
K, k	Kips
KSI, ksi	Kips Per Square-Inches
lb, #	Pounds
MPH, mph	Miles Per Hour
PLF, plf, lb/ft	Pounds Per Linear-Foot
PSF, psf, lb/ft^2	Pounds Per Square-Feet
TON, ton	Tons
Yd	Yard

METRIC UNITS

cm	Centimeters
Hec	Hectares
liter	Liters
m	Meters
mm	Millimeters
N	Newtons
km	Kilometers
kN	Kilonewtons
kN/m^2	Kilonewtons Per Square-meter
kPa	Kilopascals
kph	Kilometers Per Hour
Pa	Pascals

USEFUL CONVERSION

English	To	English	Metric	To	Metric
1 mile		1760 Yd	1 km		1000 m
1 Yd		3 Ft	1 m		100 cm
1 Ft		12 In	1 cm		10 mm
1 in		16/16 In	1 kN		1000 N
1 Ton (English)		2 Kips	1 kg		9.8066 N
1 Kip		1000 lb	1 Ton (Metric)		1000 kg
1 lb		16 ounces	1 Hec		10,000 m^2
1 Acre		43560 Ft^2	1 m^3		1000 liter
1 Ft^3		7.4805 Gal	1 kPa		1 kN/m^2

English	To	Metric	Metric	To	English
1 in		2.54 cm	1 cm		0.3937 in
1 ft		0.3048 m	1 m		3.2808 ft
1 lb		0.4536 kg	1 kg		2.2046 lb
1 Ton (English)		907.18 kg	1 Ton (Metric)		2204.6 lb
1 Kip		4.4482 kN	1 kN		0.2248 kip
1 mile		1.6093 km	1 km		0.6213 mile
1 Acre		0.4046 Hec	1 Hec		2.4715 Acres
1 lb/ft^2		0.0478 kPa	1 kPa		20.8854 lb/ft^2

Fraction	To	Decimal	Fraction	To	Decimal
1/16		0.0625	9/16		0.5625
1/8		0.1250	5/8		0.6250
3/16		0.1875	11/16		0.6875
1/4		0.2500	3/4		0.7500
5/16		0.3125	13/16		0.8125
3/8		0.3750	7/8		0.8750
7/16		0.4375	15/16		0.9375
1/2		0.5000	16/16		1.0000

DRAWINGS:

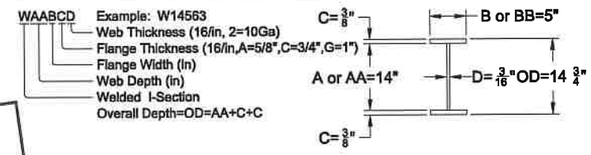
AB, A.B.	Anchor Bolt
AS, As Shown	As Shown
Aux.	Auxiliary
BLDG., Bldg.	Building
B.P., Base PL	Base Plate
BOTT., Bott.	Bottom
Bott. Base PL, B.O.B.P	Bottom Of Base Plate
B.O.S.	Bottom Of Steel
BSW	Back Sidewall
BY OTHERS	By Other Supplier or Not By Rigid
C/C	Center to Center
C.I.P.	Cast-In-Place
CL, ℄	Center Line
CLR.	Clear, Clearance
CMU	Concrete Masonry Unit
COL., Col.	Column
CONC., Conc.	Concrete
CONT.	Continuous, Continuation
DET.	Detail
DIA., Dia., Ø	Diameter
DIM., Dim.	Dimension
DWG., Dwg.	Drawing
EH, E.H.	Eave Height
EJ, Exp. Jt.	Expansion Joint
EL, Elev.	Elevation
EP	End Plate
ES, E.S.	Eave Strut
EW	Endwall
EW COL, EC	Endwall Column
EW RAF	Endwall Rafter
Exp. Bolt	Expansion Bolt
FFL, Fin. Flr.	Finish Floor Line
FLG., FLGE., Flg., Flge.	Flange
FNB, F.N.B.	Fin Neck Bolt
FO, F.O.	Framed Opening
FRM., Frm.	Frame
FSW	Front Sidewall
GA, Ga.	Gage
GALV., Galv.	Galvanized
G.O.L.	Gage of Outstanding Leg
H, Ht.	Height
HED,HEDS	High Eave Double Slope
HES,HESS	High Eave Single Slope
Horz, Horiz	Horizontal
HSB, H.S.B.	High Strength Bolt
HSS	Hollow Structural Section
INT., Int.	Interior, Intermediate
I/S	Inside
LED,LEDS	Low Eave Double Slope
LES,LESS	Low Eave Single Slope
LEW	Left Endwall
LHI	Left Hand In
LHO	Left Hand Out
LL	Long Life
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LT	Lean-To
LT COL	Lean-To Column
LT RAF	Lean-To Rafter
LG., Lg.	Long
L, Lt.	Length
L x W x H	Length x Width x Height
MAX., max.	Maximum
MIN., min.	Minimum
MKD., MK'D.	Marked
MB, M.B.	Machine Bolt
MEZZ., Mezz.	Mezzanine
N.A., N/A	Not Applicable
NO., No.	Number
NS/FS, NS&FS	Near Side and Far Side
O.C.	On Center
O/S	Outside
OH, Opp Hand	Opposite Hand (Mirror Image)
OHD, O.H.D.	Over-Head Door
O/O	Out to Out
PF COL	Portal Frame Column (Wind Bent Column)
PF RAF	Portal Frame Rafter (Wind Bent Rafter)
PL, ℔	Plate
QTY., Qty.	Quantity
REF., Ref.	Refer, Reference
REW	Right Endwall

DRAWINGS:

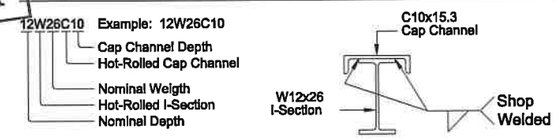
RHB	Round Head Bolt
RHI	Right Hand In
RHO	Right Hand Out
REINF.	Reinforced
REQ'D., REQD.,	Required
REV., Rev.	Revised, Revision
RF, R.F.	Rigid Frame
RF COL	Rigid Frame Column
RF RAF	Rigid Frame Rafter
RUD, R.U.D.	Roll-Up Door
SC	Slip Critical
SDS	Self-Drilling Screws
SECT., Sect.	Section
SHTG., Shtg.	Sheeting
Sol Col	Soldier Column
SP	Splice Plate
SSR	Standing Seam Roof
SST	Stainless Steel
ST COL	Straight Column
STIFF.	Stiffener
STD.	Standard
STS	Self-Tapping Screws
SW	Sidewall
SYM., Sym., SYMM., Symm.	Symmetry, Symmetrical
TBE	To Be Established
TBD	To Be Determined
TC	Tension Control
THK., Thk.	Thick
TOC, T.O.C.	Top Of Concrete
TOS, T.O.S.	Top Of Steel
T & B, TOP & BOTT	Top and Bottom
TYP., Typ., typ.	Typical
UN, U.N.O.	Unless Noted, Unless Noted Otherwise
Vert.	Vertical
WD	Walk Door
W, Wd.	Width
W.P.	Work Point, Working Point

FOR PERMIT

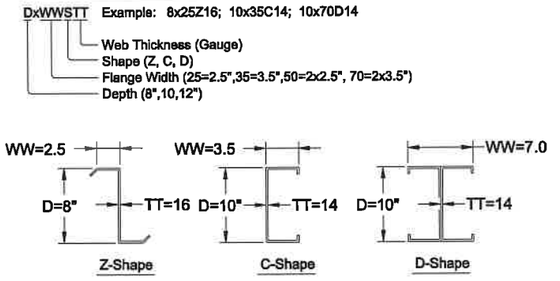
BUILT-UP SECTIONS: USED FOR FRAMES, BEAMS, COLUMNS



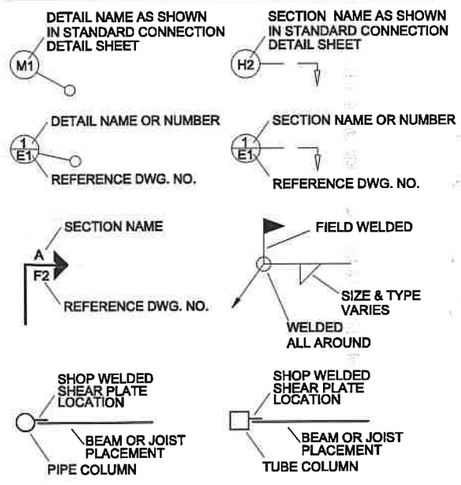
CRANE BEAM SECTIONS: USED FOR RUNWAY BEAMS, MONORAILS



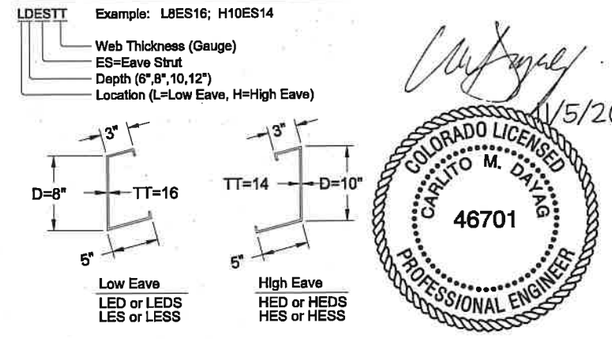
COLD-FORMED SECTIONS Z,C,D: USED FOR PURLINS,GIRTS,JAMBS,JOISTS



SECTIONS AND DETAILS:



COLD-FORMED SECTION ES: USED FOR EAVE STRUTS



11/5/20

COLORADO LICENSED
CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	LEGEND & ABBREVIATIONS			
CUSTOMER	AMMC Industries			
END USER	AMMC Industries			
END USE	Shop	BUILDING	A	
STREET	19911 Hwy. 550			
CITY ST ZIP	Montrose, CO 81403			
SALES NO. 68726	DWG. NO. 148759	SCALE N.T.S.	ENG. NO. C003	ISSUE A

DRAWING INDEX

DWG.NO.	ISSUE	DRAWING TITLE	DWG.NO.	ISSUE	DRAWING TITLE	DWG.NO.	ISSUE	DRAWING TITLE
C001	A	COVER SHEET						
C002	A	UNLOADING, HANDLING & STORING OF MATERIALS						
C003	A	LEGENDS & ABBREVIATIONS						
C004	A	DRAWING INDEX						
F001	0	COLUMN LAYOUT PLAN						
F002	0	ANCHOR BOLT DETAILS						
F003	0	ANCHOR BOLT REACTIONS						
E001	A	ROOF FRAMING PLAN						
E002	A	ROOF SHEETING PLAN						
E003	A	RIGID FRAME ELEVATION						
E004	A	ENDWALL FRAMING & SHEETING ELEVATION						
E005	A	ENDWALL FRAMING & SHEETING ELEVATION						
E006	A	SIDEWALL FRAMING & SHEETING ELEVATION						
E007	A	SIDEWALL FRAMING & SHEETING ELEVATION						
E008	A	DETAIL DRAWINGS						
E009	A	DETAIL DRAWINGS						
E010	A	PANEL PROFILE, TRIMS AND ACCESSORIES						

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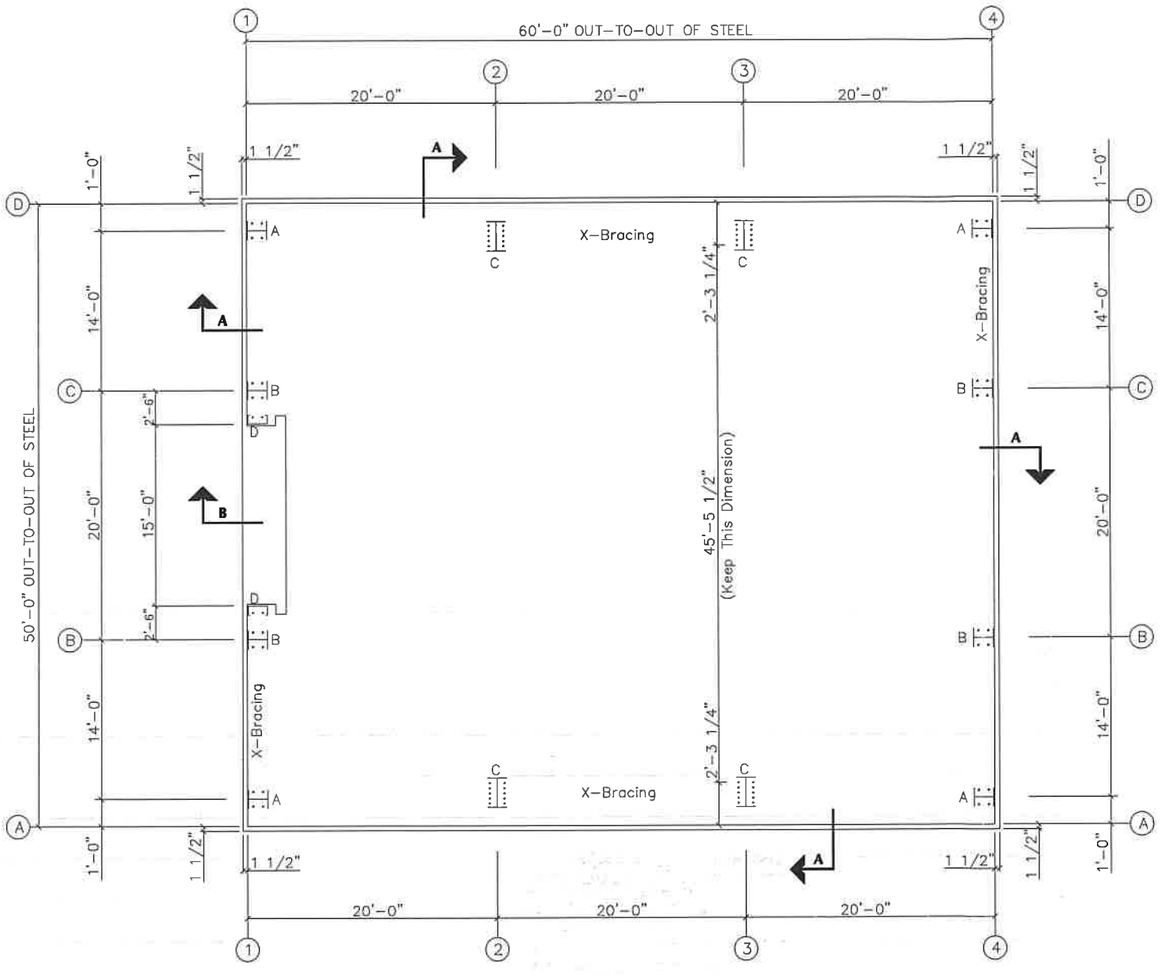
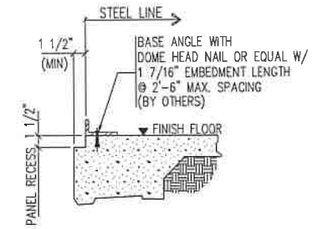
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
SALES NO. 58726	JOB NO. 148759	SCALE N.T.S.	DRWG NO. C004 REV. A



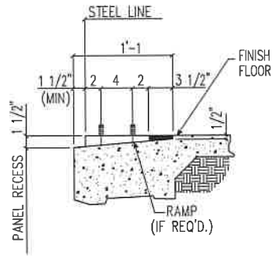
COLUMN LAYOUT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

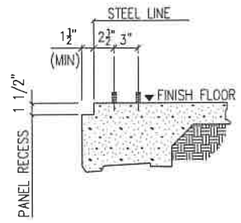


IMPORTANT NOTES:
NOTCH AREA INDICATES 1 1/2" INCH BY 1 1/2" INCH RECESS FOR METAL WALL SHEETS. THE SHEETS SHOULD NOT TOUCH THE BOTTOM OF THE NOTCH, WHICH WOULD VOID THE WARRANTY!

A SECTION



B SECTION



FIELD LOCATE WALKDOOR

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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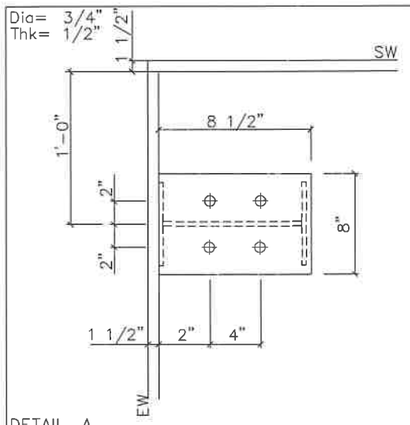
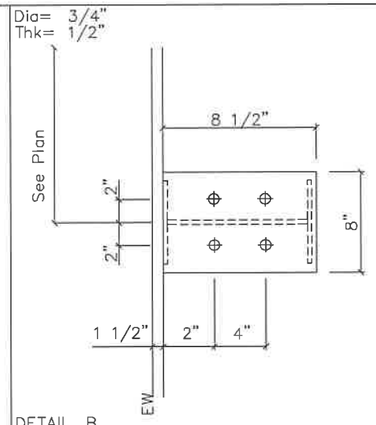
GENERAL STEEL CORPORATION

DESCRIPTION	COLUMN LAYOUT PLAN		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
SALES NO. 68726	JOB NO. 148759	SCALE N.T.S.	DWG. NO. F001

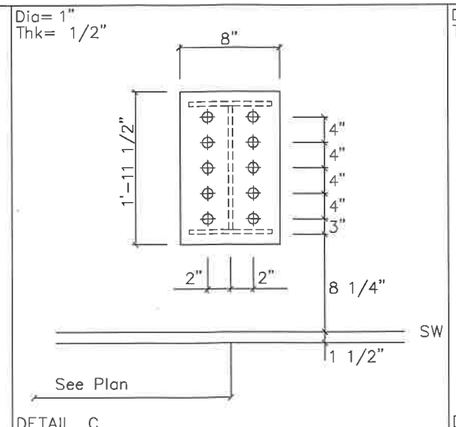
REV. 0



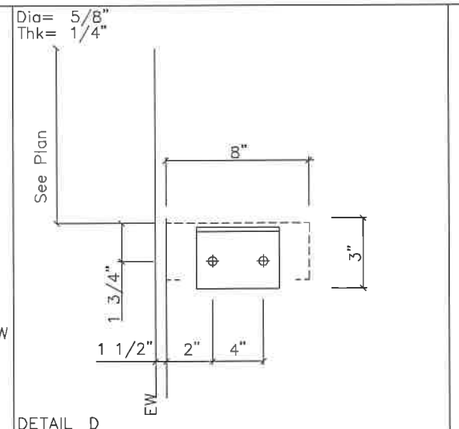
DETAIL A



DETAIL B



DETAIL C



DETAIL D

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CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER

GENERAL NOTES:

1. THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1-1/2".
2. THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.
3. BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
0	+	1/2"	1"
4	⊕	5/8"	2"
32	⊕	3/4"	2 1/2"
0	⊕	7/8"	2 3/4"
40	⊕	1"	3"
0	⊕	1 1/8"	3 1/2"
0	⊕	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE

LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER

DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER

NUTS & WASHERS BY SUPPLIER

ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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GENERAL STEEL CORPORATION

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CUSTOMER	AMMC Industries				
END USER	AMMC Industries				
END USE	Shop	BUILDING	A		
STREET	19911 Hwy. 550				
CITY ST ZIP	Montrose, CO 81403				
SHEET NO. 68726	JOB NO. 148759	SCALE N.T.S.	ENG. NO. F002	REV. 0	

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
2*	D	1.5	3.6	5.0	10.0	30.4	60.6	−6.0	−8.9	0.1	−5.4	−5.9	−5.4
2*	A	−1.5	3.6	−5.0	10.0	−30.4	60.5	−0.1	−5.4	6.0	−8.9	−0.3	−1.8

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
2*	D	0.3	−1.8	−0.9	−10.3	−1.5	−9.1	−1.7	−1.1	1.7	1.1	0.0	−4.0
2*	A	5.9	−5.4	1.5	−9.1	0.9	−10.3	−1.7	1.1	1.7	−1.1	0.0	−4.0

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	D	5.0	10.0	24.7	61.6	24.5	32.7
2*	A	−5.0	10.0	−24.5	32.7	−24.7	61.6

2* Frame lines: 2 3

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	D	1	31.9	64.1	2	−2.7	−3.2	10	1.000	8.000	23.50	0.500	0.0
		6	26.1	65.2	4	0.3	−4.1						
2*	A	3	2.7	−3.2	1	−31.9	64.1	10	1.000	8.000	23.50	0.500	0.0
		7	−26.1	65.2	5	−0.3	−4.1						

2* Frame lines: 2 3

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz
1	D	0.5	1.1	6.8	0.0	−1.2	0.0	−1.1	0.0	−0.7	0.0	−0.5	−1.0	1.2
1	C	1.3	4.0	24.0	0.0	−4.4	0.0	−2.6	0.0	−3.2	0.0	−1.4	−2.6	2.9
1	B	1.3	4.0	24.0	1.7	−5.1	0.0	−2.2	1.7	−3.8	0.0	−1.0	−2.6	2.9
1	A	0.5	1.1	6.8	0.0	1.4	1.7	−3.4	0.0	2.0	1.7	−2.8	−1.0	1.2

Frm Line	Col Line	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	D	0.0	−1.4	0.0	−0.7	0.0	0.1	0.0	−0.1	0.0	1.1	0.0	7.9	0.0	1.5
1	C	0.0	−4.2	0.0	−2.8	0.0	−0.1	0.0	0.1	0.0	4.0	0.0	28.9	0.0	9.7
1	B	0.0	−2.3	0.4	−4.8	1.9	−2.6	0.0	2.3	0.0	4.0	0.0	9.8	0.1	28.7
1	A	0.4	−1.3	0.0	−0.8	0.0	2.6	1.9	−2.3	0.0	1.1	0.1	1.4	0.0	8.0

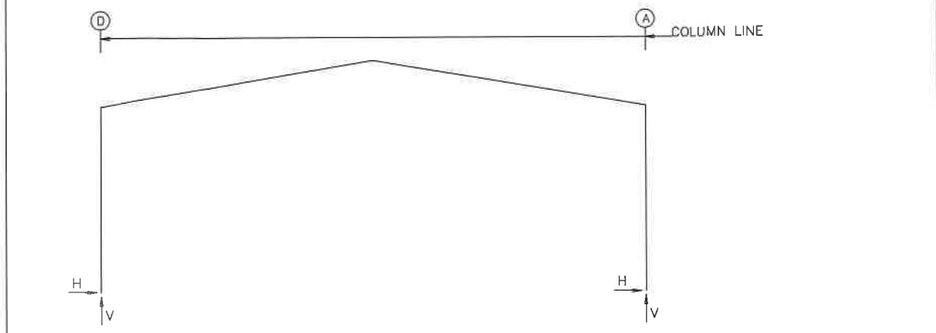
Frm Line	Col Line	Dead Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz
4	A	0.5	1.1	6.8	0.0	−1.2	0.0	−1.1	0.0	−0.7	0.0	−0.5	−1.0	1.2
4	B	1.3	4.0	24.0	0.0	−4.4	0.0	−2.6	0.0	−3.2	0.0	−1.4	−2.6	2.9
4	C	1.3	4.0	24.0	1.7	−5.1	0.0	−2.2	1.7	−3.8	0.0	−1.0	−2.6	2.9
4	D	0.5	1.1	6.8	0.0	1.4	1.7	−3.4	0.0	2.0	1.7	−2.8	−1.0	1.2

Frm Line	Col Line	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert
4	A	0.0	−1.4	0.0	−0.7	0.0	0.1	0.0	−0.1	0.0	1.1	0.0	7.9	0.0	1.5
4	B	0.0	−4.2	0.0	−2.8	0.0	−0.1	0.0	0.1	0.0	4.0	0.0	28.9	0.0	9.7
4	C	0.0	−2.3	0.4	−4.8	1.9	−2.6	0.0	2.3	0.0	4.0	0.0	9.8	0.1	28.7
4	D	0.4	−1.3	0.0	−0.8	0.0	2.6	1.9	−2.3	0.0	1.1	0.1	1.4	0.0	8.0

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	D	8	0.7	−0.6	9	−0.6	−0.6	4	0.750	8.000	8.500	0.500	0.0
		10	0.0	8.3	8	0.7	−0.6						
1	C	11	1.7	−1.9	9	−1.6	−1.8	4	0.750	8.000	8.500	0.500	0.0
		10	0.0	30.1	11	1.7	−1.9						
1	B	11	1.7	−2.3	12	−1.6	−2.1	4	0.750	8.000	8.500	0.500	0.0
		13	0.0	30.0	11	1.7	−2.3						
1	A	14	0.7	−1.8	9	−0.6	−0.5	4	0.750	8.000	8.500	0.500	0.0
		13	0.0	8.4	14	0.7	−1.8						
4	A	8	0.7	−0.6	9	−0.6	−0.6	4	0.750	8.000	8.500	0.500	0.0
		15	0.0	8.3	8	0.7	−0.6						
4	B	11	1.7	−1.9	9	−1.6	−1.8	4	0.750	8.000	8.500	0.500	0.0
		15	0.0	30.1	11	1.7	−1.9						
4	C	11	1.7	−2.3	12	−1.6	−2.1	4	0.750	8.000	8.500	0.500	0.0
		16	0.0	30.0	11	1.7	−2.3						
4	D	14	0.7	−1.8	9	−0.6	−0.5	4	0.750	8.000	8.500	0.500	0.0
		16	0.0	8.4	14	0.7	−1.8						

FRAME LINES: 2 3



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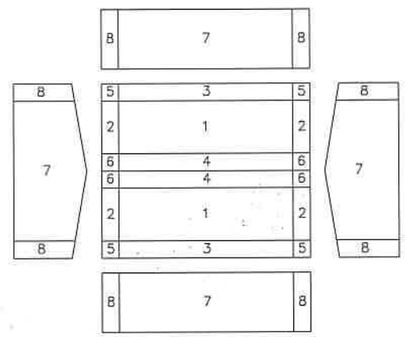
NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data.

Width (ft)	: 50
Length (ft)	: 60
Eave Height (ft)	: 17 / 17
Roof Slope (rise/12)	: 2.0:12 / 2.0:12
Design Code	: IBC 18
Enclosure	: Closed
Dead Load (psf)	: 4.00
Collateral Load (psf)	: 0.00
Basic Design Wind Speed (mph)	: V (3 sec. gust) = 115.00 mph
Allowable Stress Wind Speed (mph)	: Vasd (3 sec. gust) = 89.08 mph
Wind Importance Factor	: 1.000
Wind Exposure	: C
Live Load (psf)	: 20.00
Frame Live Load (psf)	: 20.00
Ground Snow Load (psf)	: 173.00
Roof Snow Load (psf)	: 121.10
Snow Exposure	: 1.000
Snow Importance Factor	: 1.000
Thermal Factor	: 1.000
Seismic Importance Factor	: 1.000
Spectral Response Accel.	: Ss=0.330 : S1=0.075
Spectral Response Coeff.	: Sds=0.337 : Sd1=0.120
Seismic Coeff. (Fa*Ss)	: 0.506 : Fa=1.537
Seismic Design Category	: C

5. Loading conditions are:
   1 Dead+Collateral+Snow+Slide_Snow
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Right1
   4 0.6Dead+0.6Wind_Long1L
   5 0.6Dead+0.6Wind_Long2L
   6 Dead+Collateral+F1UNB_SL_L
   7 Dead+Collateral+F1UNB_SL_R
   8 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
   9 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
   10 Dead+Collateral+E1UNB_SL_L
   11 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
   12 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   13 Dead+Collateral+E1UNB_SL_R
   14 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
   15 Dead+Collateral+E2UNB_SL_L
   16 Dead+Collateral+E2UNB_SL_R

Zone	Width (ft)	Length (ft)	Components & Cladding (Factored) Pressure (psf) Member	Pressure (psf) Panel	Suction (psf) Member	Suction (psf) Panel
1			10.00	10.00	−10.00	−25.81
2		5.00	10.00	10.00	−24.67	−37.69
3	5.00		10.00	10.00	−10.00	−25.81
4	5.00		10.00	10.00	−24.67	−37.69
5	5.00	5.00	10.00	10.00	−24.67	−37.69
6	5.00	5.00	10.00	10.00	−27.94	−44.65
7			10.92	12.78	−12.00	−13.66
8	5.00		10.92	12.78	−13.32	−17.05



Design Calculation Wind

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis
L_EW	1	B,A	1.7	2.1	1.9	2.3		
F_SW	A	2,3	3.5	2.7	5.3	4.0		
R_EW	4	C,D	1.7	2.1	1.9	2.3		
B_SW	D	3,2	3.5	2.7	5.3	4.0		

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	11/05/20	JAP	MBS	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	ANCHOR BOLT REACTIONS
CUSTOMER	AMMC Industries
END USER	AMMC Industries
END USE	Shop BUILDING A
STREET	19911 Hwy. 550
CITY ST ZIP	Montrose, CO 81403
ORDER NO.	68726
SEQ. NO.	148759
SCALE	N.T.S.
DWG. NO.	F003
ISSUE	0

SPECIAL BOLTS ROOF PLAN					
O ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

MEMBER TABLE ROOF PLAN	
MARK	PART
P-1	10x25Z12
P-2	10x25Z14
P-3	10x25Z12
E-1	L10x5x3ES14
E-2	L10x5x3ES14
E-3	L10x5x3ES14
CB-5	CB0313
CB-6	CB0250

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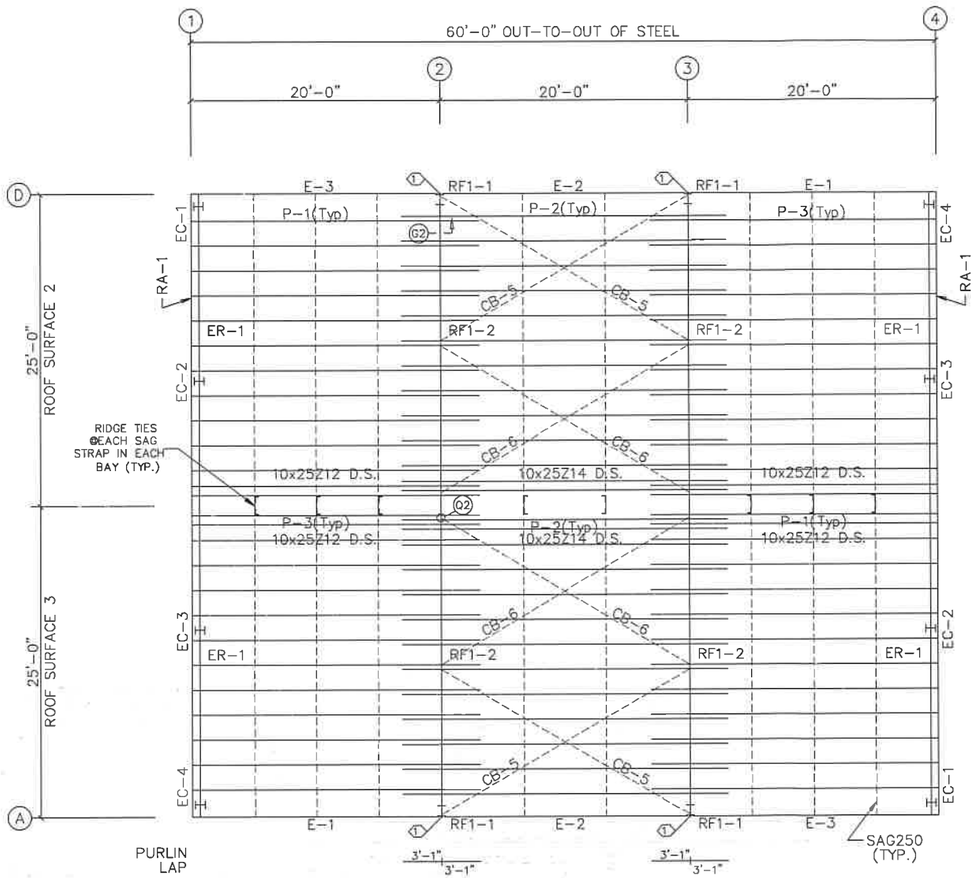
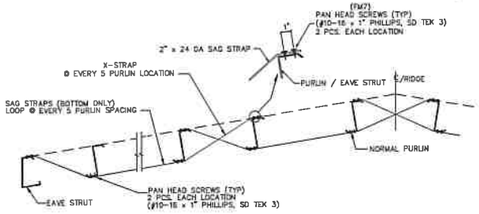
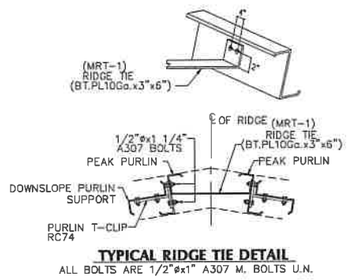


ROOF FRAMING PLAN

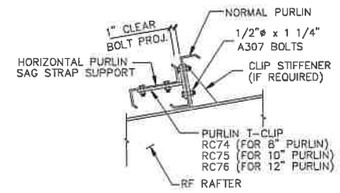
NOTE: 1. USE (4) 1/2" DIAMETER A307 M. BOLTS AT PURLIN TO RAFTER CONNECTION ALONG FRAME LINE 1, 2, 3 & 4
2. WITH 6" THICK VR TYPE ROOF INSULATION BY OTHERS



TYPICAL SAG STRAP DETAIL @ ROOF (BOTTOM ONLY)



TYPICAL RIDGE TIE DETAIL
ALL BOLTS ARE 1/2"ø x1" A307 M. BOLTS U.N.



1 SF2.4 HORIZONTAL PURLIN CONNECTION TO RF RAFTER
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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GENERAL STEEL CORPORATION

DESCRIPTION	ROOF FRAMING PLAN			
CUSTOMER	AMMC Industries			
END USER	AMMC Industries			
END USE	Shop	BUILDING	A	
STREET	19911 Hwy. 550			
CITY ST ZIP	Montrose, CO 81403			
SALES ORD. 68726	JOB NO. 148759	SCALE N.T.S.	DWG. NO. E001	REV. A

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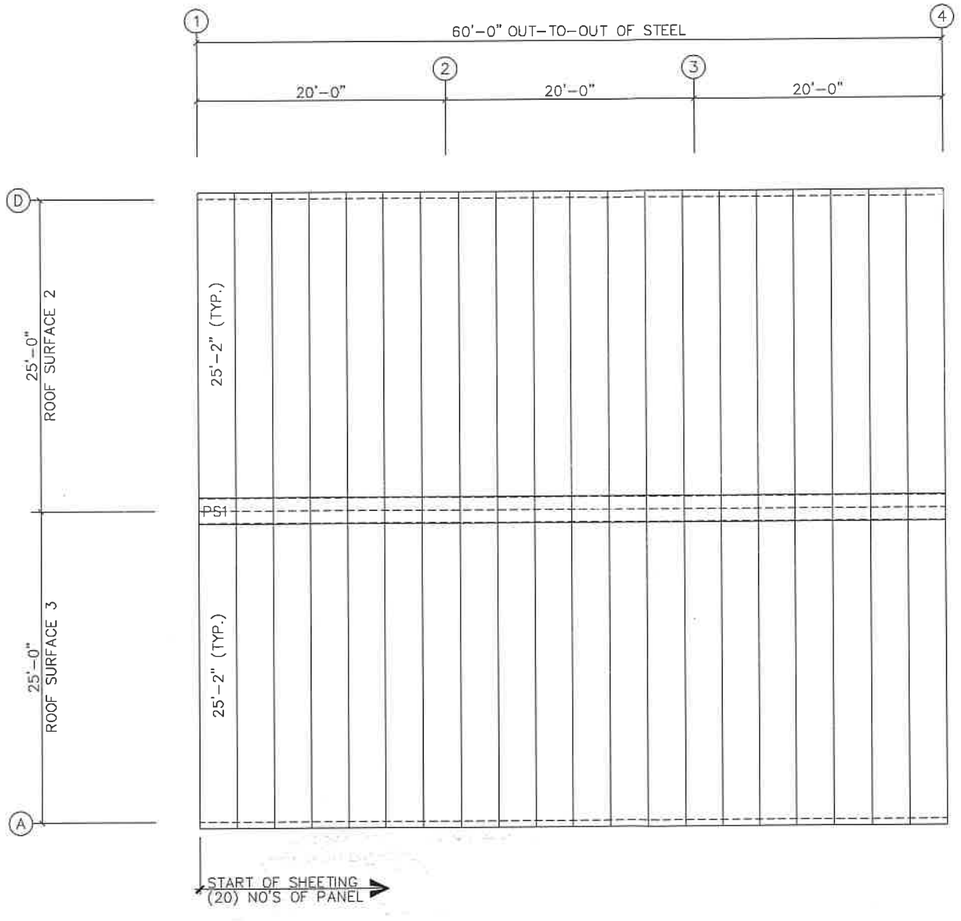

ROOF SHEETING PLAN

PANELS: 26 Ga. PBR – Glvm.Plus

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GENERAL STEEL CORPORATION

DESCRIPTION	ROOF SHEETING PLAN		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
PROJECT NO. 68726	SALES NO. 148759	SCALE N.T.S.	DWG. NO. E002 REV. A

SPLICE PLATE & BOLT TABLE									
Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	2	A325	0.875	2.50	8"	5/8"	3'-10 7/16"
SP-2	4	4	0	A325	0.750	2.25	8"	1/2"	1'-6 15/16"

STIFFENER TABLE				
Mark	Stiff Mark	Plate Size Width	Thick	Length
RF1-1	St- 1	3.750	0.250	38.47

BASE PLATE TABLE			
Col Mark	Plate Size Width	Thick	Length
BP-1	8"	1/2"	1'-11 1/2"

FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A - L2x2x14

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	21.5/39.5	0.188	157.3	8 x 1/4" x 194.2	8 x 1/2" x 158.2
	39.5/32.4	0.313	42.4	8 x 1/4" x 41.5	
RF1-2	39.5/14.0	0.250	240.0	8 x 5/16" x 260.9	8 x 3/8" x 260.2
	14.0/12.0	0.250	20.9		

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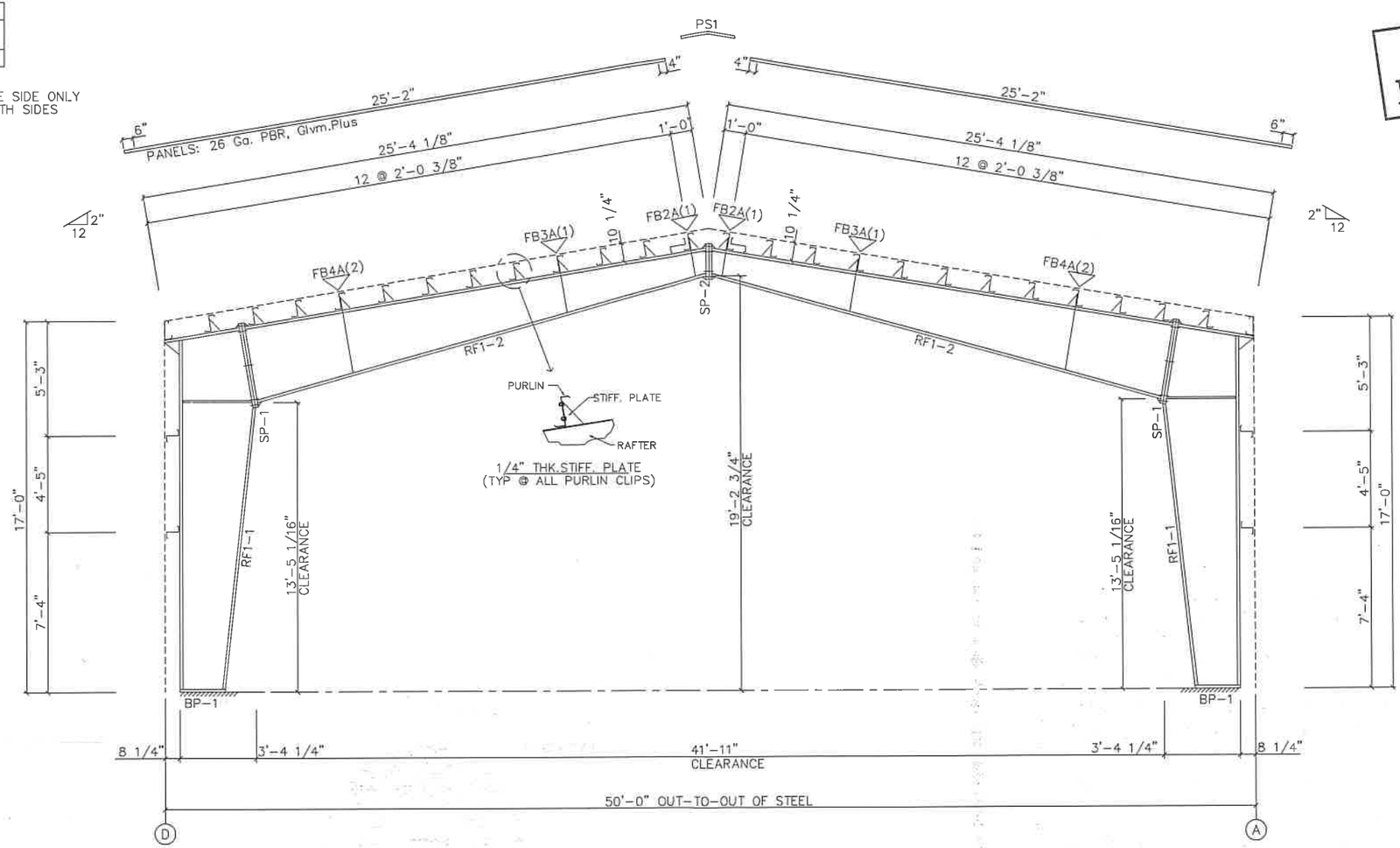

RIGID FRAME ELEVATION: FRAME LINE 2 3

NOTE: A325 high strength bolt shall be tightened with one washer. Refer to general notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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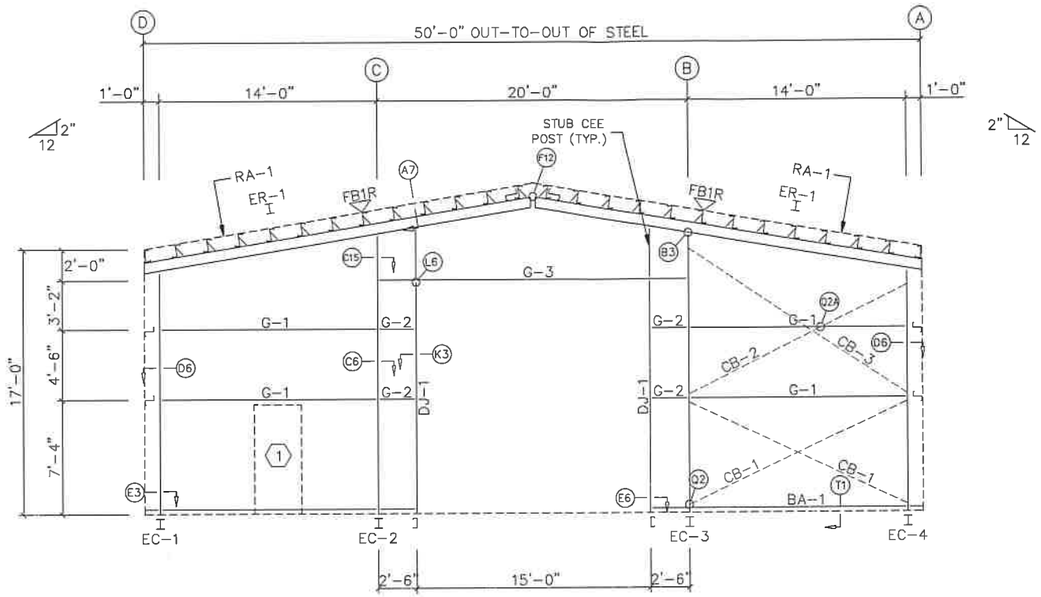
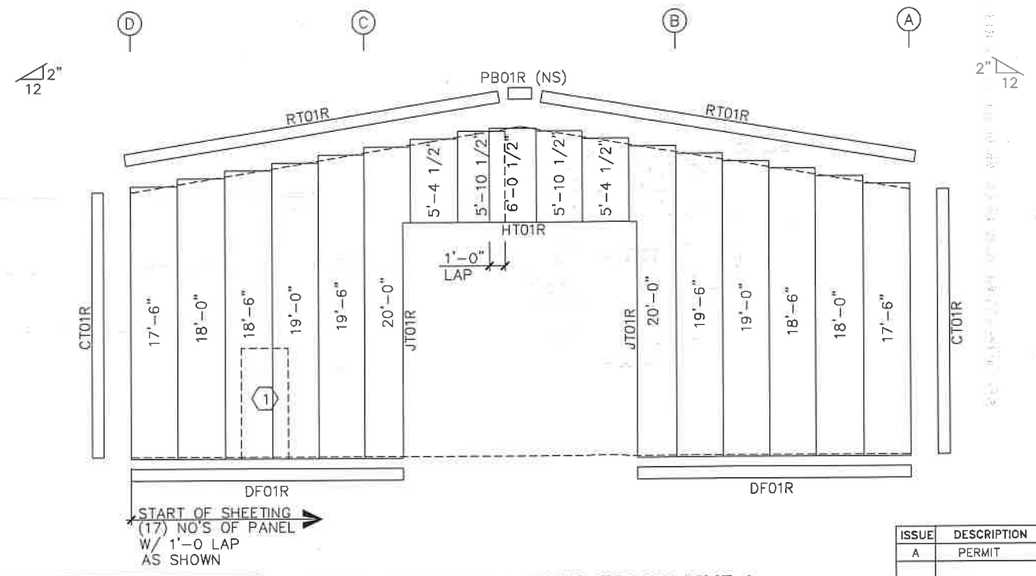
GENERAL STEEL CORPORATION

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
PROJ. NO. 68726	ARC NO. 148759	SCALE N.T.S.	DWG. NO. E003 REV. A



ENDWALL FRAMING: FRAME LINE 1

(1) DENOTES WALKDOOR FIELD LOCATED WITH 6" THICK VR TYPE WALL INSULATION BY OTHERS



ENDWALL SHEETING & TRIM: FRAME LINE 1

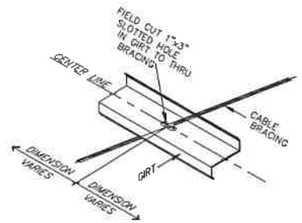
PANELS: 26 Go. PR – KOKO BROWN

NOTE: A325 high strength bolt shall be tightened with one washer. Refer to general notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

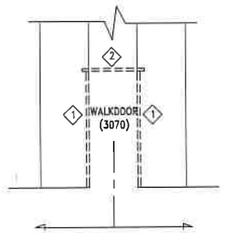
BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	1 3/4"
Columns/Raf	6	A325	1/2"	1 1/4"

FLANGE BRACE TABLE FRAME LINE 1		
▽ID	MARK	LENGTH
1	FB1R	1'-6"

MEMBER TABLE FRAME LINE 1	
MARK	PART
EC-1	W8x10
EC-2	W8x10
EC-3	W8x10
EC-4	W8x10
ER-1	W12542
DJ-1	8x25C16
G-1	8x25Z16
G-2	8x25Z16
G-3	8x35C12
CB-1	CB0313
CB-2	CB0313
CB-3	CB0313



Q2A **CABLE BRACING THRU GIRT**



F.O TRIM DETAILS

(FOR FIELD LOCATE WALKDOOR/ 1 PC.)
(ERECTOR TO FIELD VERIFY LOCATION)

TRIM TABLE		
▽ID	MARK	LENGTH
1	JT01R	7'-3"
2	HT01R	3'-6"

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

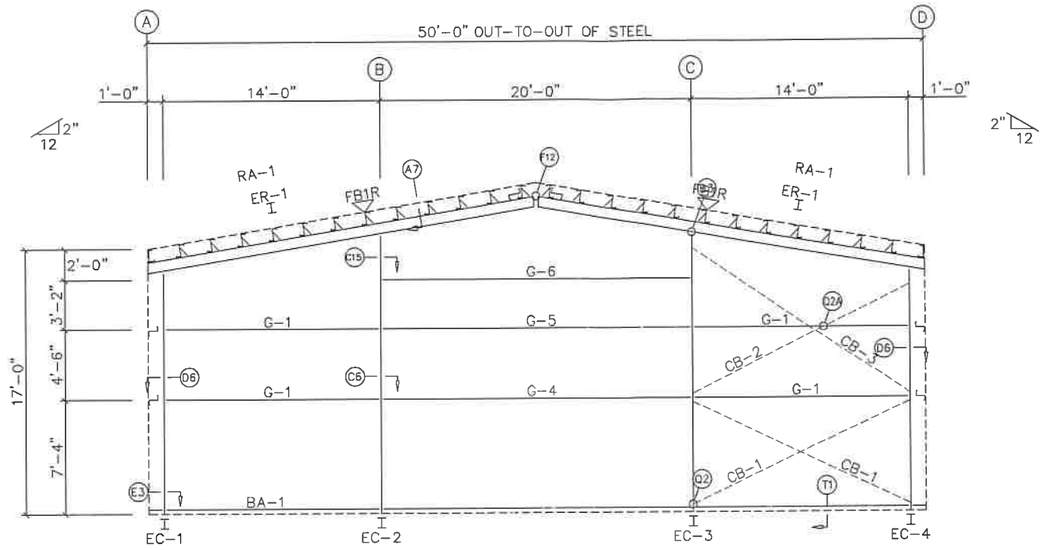
DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS
CUSTOMER	AMMC Industries
END USER	AMMC Industries
END USE	Shop / BUILDING / A
STREET	19911 Hwy. 550
CITY ST ZIP	Montrose, CO 81403
MASTER NO.	68726
JOB NO.	148759
SCALE	N.T.S.
DWG. NO.	E004
ISSUE	A

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	1 3/4"
Columns/Raf	6	A325	1/2"	1 1/4"

FLANGE BRACE TABLE FRAME LINE 4		
VID	MARK	LENGTH
1	FB1R	1'-6"

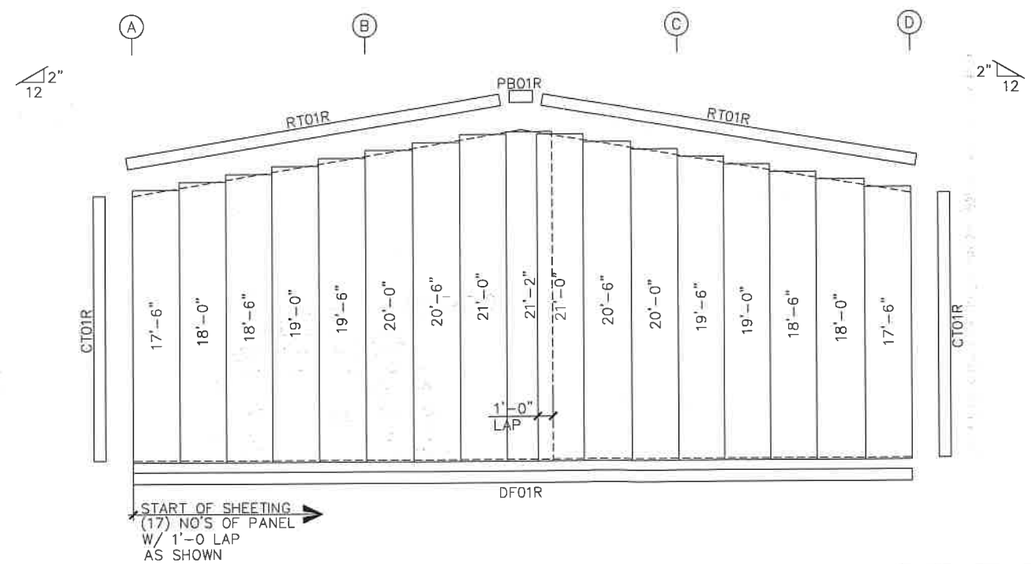
MEMBER TABLE FRAME LINE 4	
MARK	PART
EC-1	W8x10
EC-2	W8x10
EC-3	W8x10
EC-4	W8x10
ER-1	W12542
G-1	8x25Z16
G-4	8x35Z14
G-5	8x25Z16
G-6	8x25Z14
CB-1	CB0313
CB-2	CB0313
CB-3	CB0313

FOR PERMIT



ENDWALL FRAMING: FRAME LINE 4

WITH 6" THICK VR TYPE WALL INSULATION BY OTHERS



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. PR – KOKO BROWN

NOTE: A325 high strength bolt shall be tightened with one washer. Refer to general notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

11/5/20

COLORADO LICENSED
CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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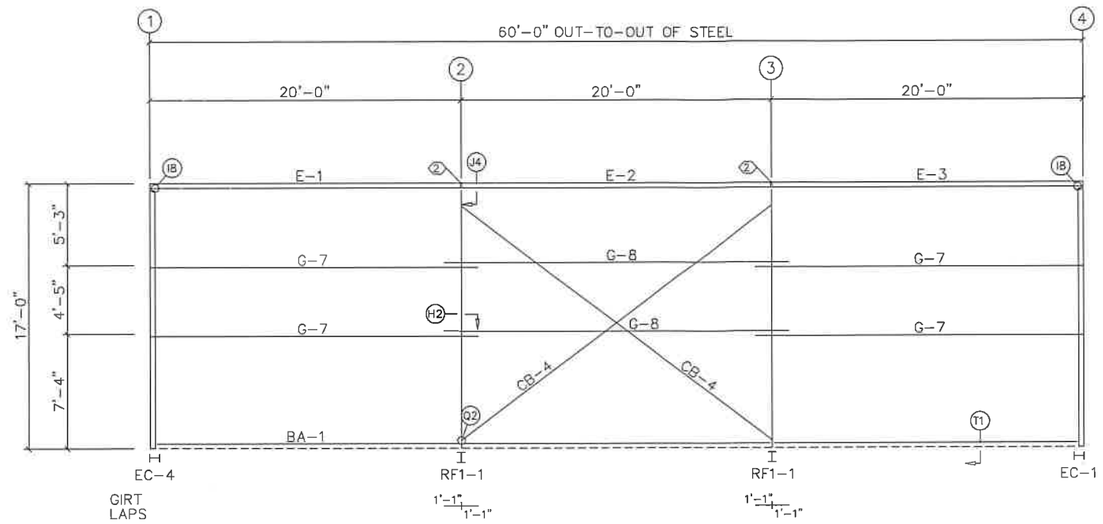
GENERAL STEEL CORPORATION

DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS			
CUSTOMER	AMMC Industries			
END USER	AMMC Industries			
END USE	Shop	BUILDING	A	
STREET	19911 Hwy. 550			
CITY ST ZIP	Montrose, CO 81403			
SALES NO. 68726	JOB NO. 148759	SCALE N.T.S.	DWG. NO. E005	REV. A

SPECIAL BOLTS					
O ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A307	1/2"	1 1/4"	0

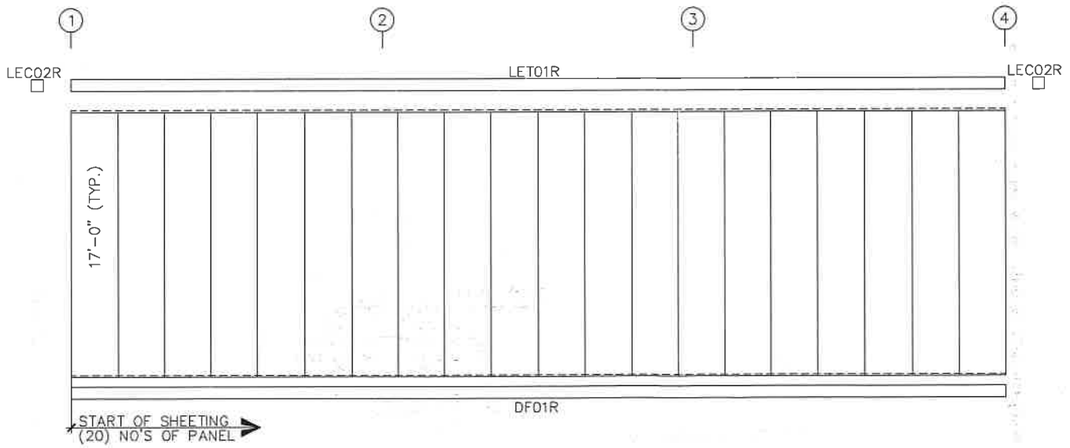
MEMBER TABLE FRAME LINE A	
MARK	PART
E-1	L10x5x3ES14
E-2	L10x5x3ES14
E-3	L10x5x3ES14
G-7	8x25Z16
G-8	8x25Z16
CB-4	CB0500

FOR PERMIT



SIDEWALL FRAMING: FRAME LINE A

WITH 6" THICK VR TYPE WALL INSULATION BY OTHERS



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – KOKO BROWN

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
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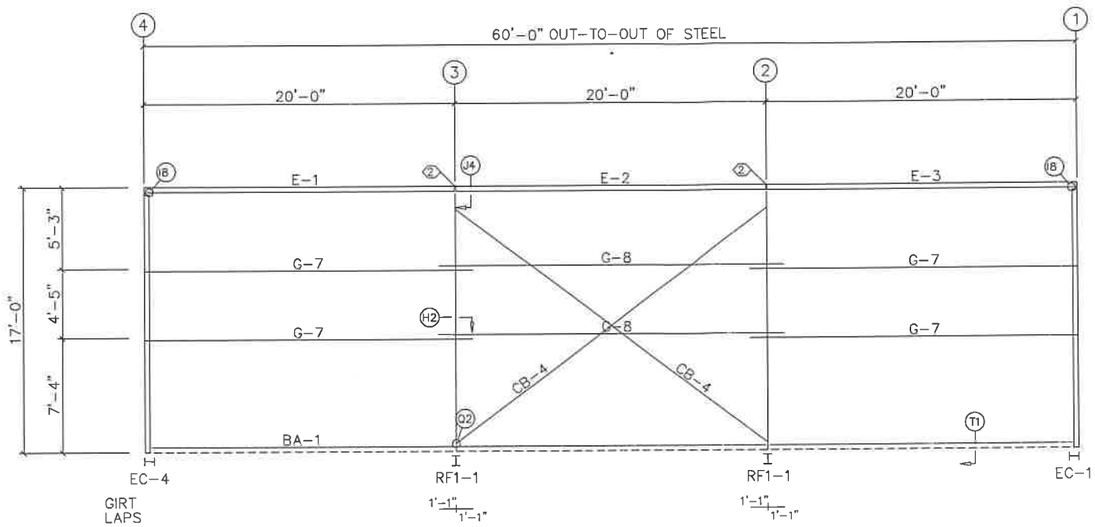
GENERAL STEEL CORPORATION

DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIMS			
CUSTOMER	AMMC Industries			
END USER	AMMC Industries			
END USE	Shop	BUILDING	A	
STREET	19911 Hwy. 550			
CITY ST ZIP	Montrose, CO 81403			
SALES NO. 68726	JOB NO. 148759	SCALE N.T.S.	DWG. NO. E006	REV. A

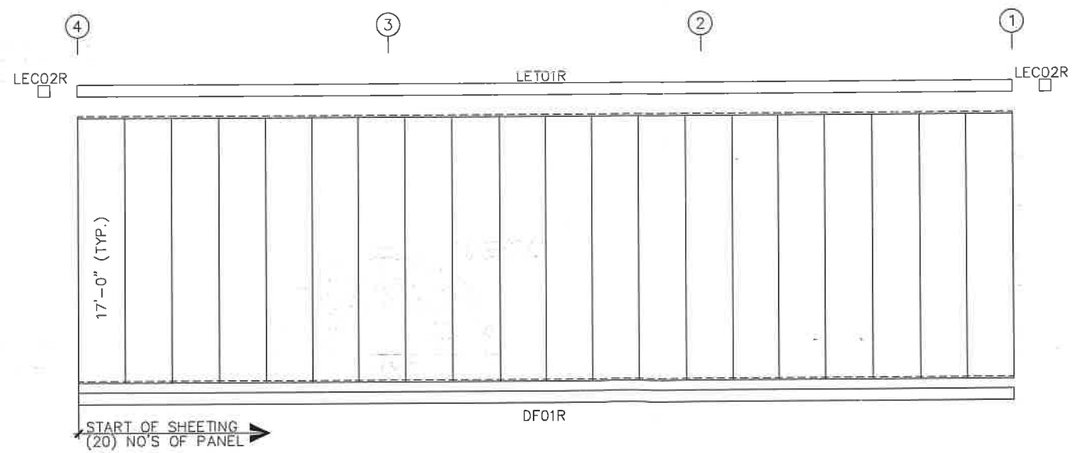
SPECIAL BOLTS					
O ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A307	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE D	
MARK	PART
E-1	L10x5x3ES14
E-2	L10x5x3ES14
E-3	L10x5x3ES14
G-7	8x25Z16
G-8	8x25Z16
CB-4	CB0500



SIDEWALL FRAMING: FRAME LINE D

WITH 6" THICK VR TYPE WALL INSULATION BY OTHERS



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. PBR – KOKO BROWN

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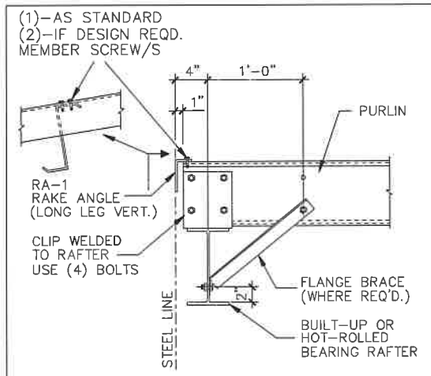
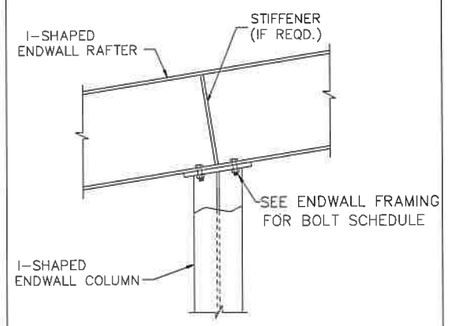
GENERAL STEEL CORPORATION

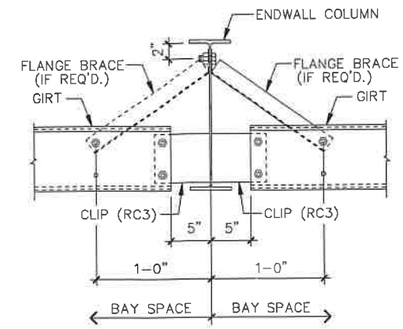
DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIMS			
CUSTOMER	AMMC Industries			
END USER	AMMC Industries			
END USE	Shop	BUILDING	A	
STREET	19911 Hwy. 550			
CITY ST ZIP	Montrose, CO 81403			
SALES NO. 68726	DR NO. 148759	SCALE N.T.S.	DWG NO. E007	ISSUE A



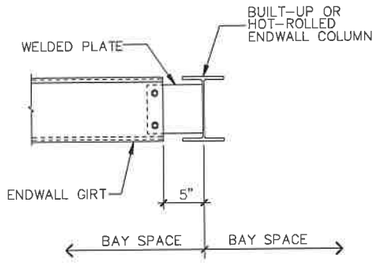
A7 **BEARING FRAME TO FLUSH ENDWALL**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



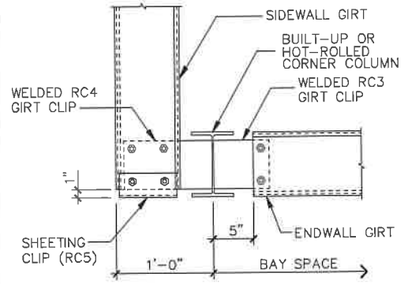
B3 **ENDWALL RAFTER TO COLUMN**
ALL BOLTS AS NOTED



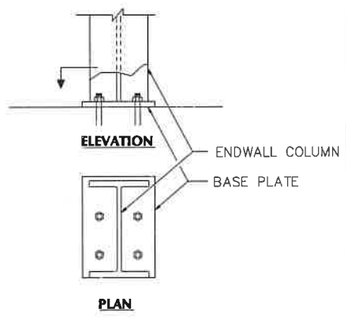
C6 **FLUSH GIRT TO ENDWALL COLUMN WITH WELDED CLIP**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



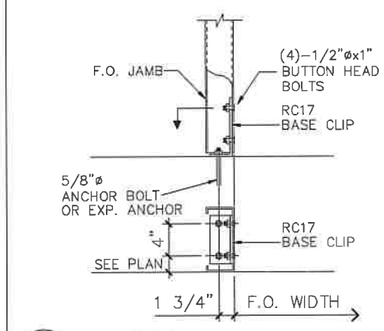
C15 **ENDWALL COLUMN TO GIRT**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



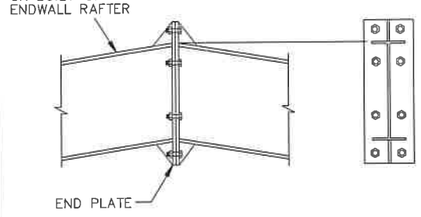
D6 **BUILT-UP CORNER COLUMN OR HOT-ROLLED CORNER COLUMN**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



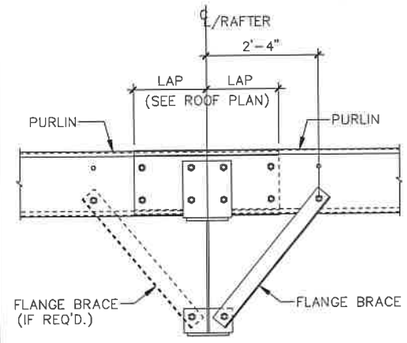
E3 **BASE PLATE FOR ENDWALL COLUMN**
SEE ANCHOR BOLT PLAN & DETAILS



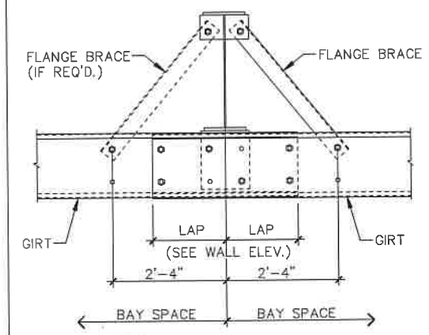
E6 **"FO" JAMB BASE DETAIL**
WITH BOLTED BASE CLIP



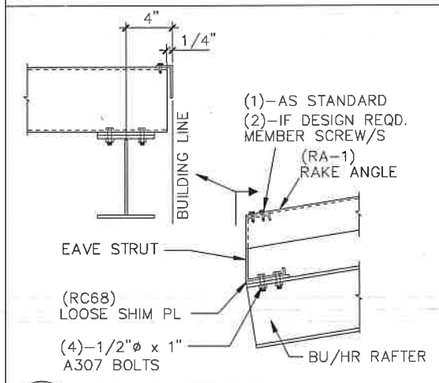
F12 **RAFTER SPLICE ALONG SURFACE HOT-ROLLED OR BUILT-UP RAFTER**
SEE ENDWALL FRAMING ELEV.
FOR BOLT DIA AND TYPE.



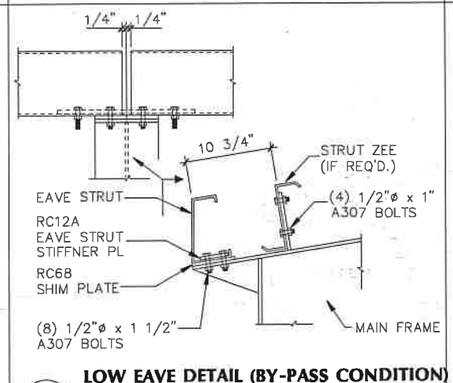
G2 **BY-PASS PURLIN TO RAFTER DETAIL**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



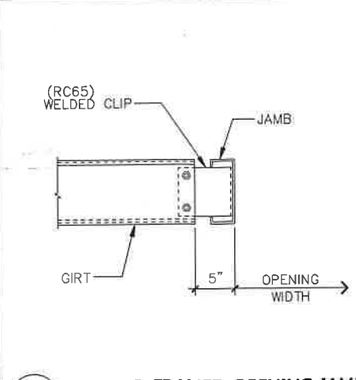
H2 **WALL GIRT TO RF COLUMN**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



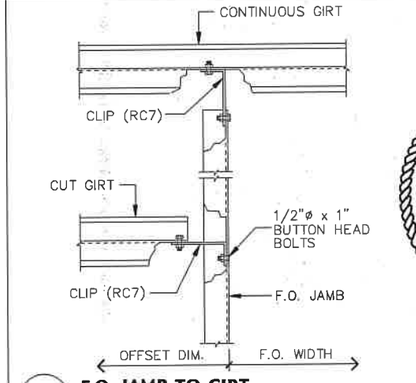
I8 **EAVE STRUT TO ENDWALL RAFTER**
LEDS



J4 **LOW EAVE DETAIL (BY-PASS CONDITION) WITH EAVE STRUT STIFFENER PLATE**
AT INTERIOR FRAME



K3 **GIRT TO FRAMED OPENING JAMB**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



L6 **F.O. JAMB TO GIRT**
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

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FOR PERMIT

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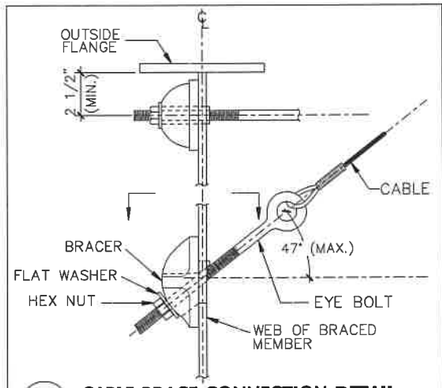
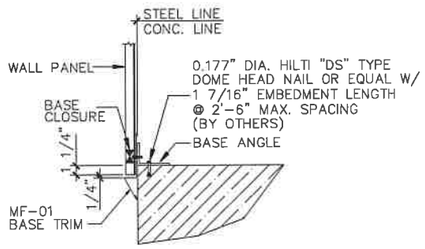
A	PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	DETAIL DRAWINGS 1		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
68726	148759	N.T.S.	E008 A



Q2 **CABLE BRACE CONNECTION DETAIL**



T1 **SECTION THRU WALL PANEL AND CONCRETE FOUNDATION**

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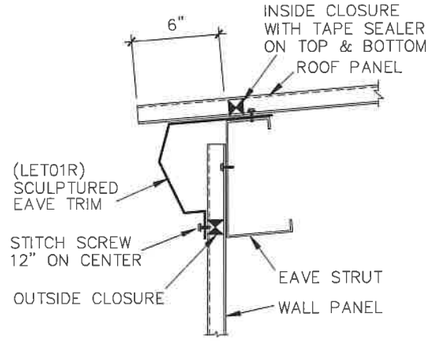
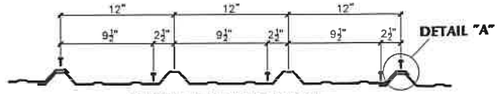
GENERAL STEEL CORPORATION

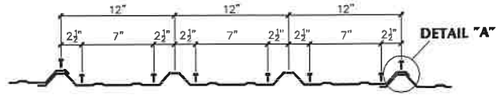
DESCRIPTION	DETAIL DRAWINGS 2
CUSTOMER	AMMC Industries
END USER	AMMC Industries
END USE	Shop / BUILDING: A
STREET	19911 Hwy. 550
CITY ST ZIP	Montrose, CO 81403
SHEET NO. 68726	JOB NO. 148759 / SCALE: N.T.S. / DWG. NO. E009 / REV. A



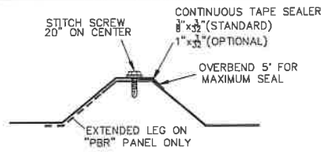
LOW EAVE DETAIL WITH SCULPTURED EAVE TRIM
SHEETED WALL



MEMBER SCREW LOCATION
FOR ALL MEMBERS UNLESS NOTED OTHERWISE

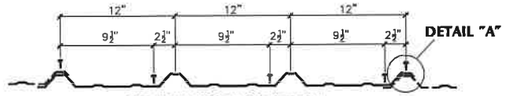


MEMBER SCREW LOCATION
FOR PEAK PURLIN, EAVE STRUT, AND PANEL END LAPS ONLY

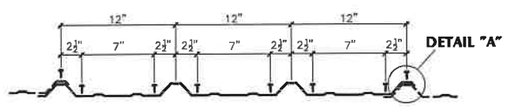


DETAIL "A"
TYP. SIDE LAP DETAIL

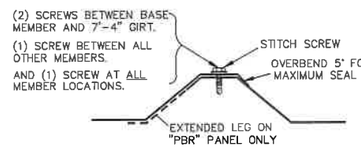
"R" and "PBR" ROOF PANEL SCREW LAYOUT



MEMBER SCREW LOCATION
FOR ALL MEMBERS UNLESS NOTED OTHERWISE



MEMBER SCREW LOCATION
FOR BASE, EAVE STRUT, AND PANEL END LAPS ONLY



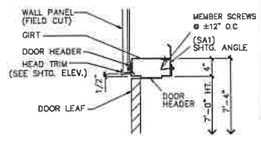
DETAIL "A"
TYP. SIDE LAP DETAIL

"R" and "PBR" WALL PANEL SCREW LAYOUT

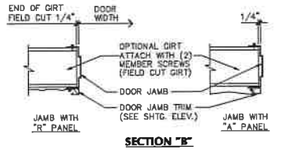
NOTES:
1. **FOR 3078, 4678, 6078 WALK DOORS ONLY**
2. **ALL DOORS ARE FIELD LOCATED UNLESS SHOWN IN A.B. PLAN**
3. **a - DIMENSION VARIES. SEE WALL ELEVATION IF REQUIRED**

INSTALLATION PROCEDURE

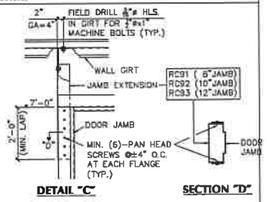
1. Place head section and jambs on flat surface (floor) with door side up. Install bolts and nuts connecting head to jambs. Be sure that head is tight to jambs so that the proper door opening is obtained.
2. Install door leaf in frame, check for 1/8" clearance at head and 3/32" clearance at stricker jamb.
3. Tilt up the entire assembly and anchor hinge jamb to floor. Plumb hinge jamb and assembly. Field cut girts if required.
4. Anchor head and striker jamb to building structure, floor and entire frame to panel skins (field cut). Install optional threshold anchor if desired. Install jamb extensions (if req'd).
5. Install lockset. Install (optional) weatherstrip, head member first. Adjust so that vinyl just contacts door when in the closed position. Do not force vinyl against door as this will interfere with the latching and will not improve the weather seal.
6. Refer also to Door Manufacturer Installation Manual for more details.



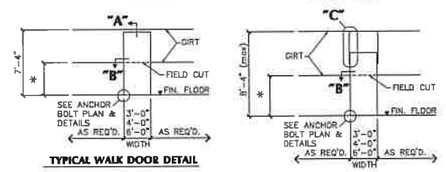
SECTION "A"



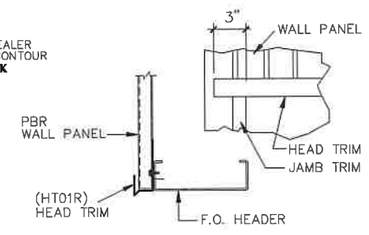
SECTION "B"



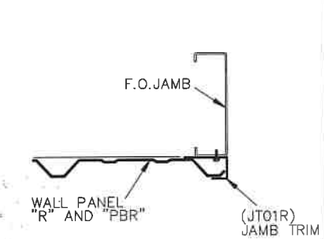
DETAIL "C" **SECTION "D"**



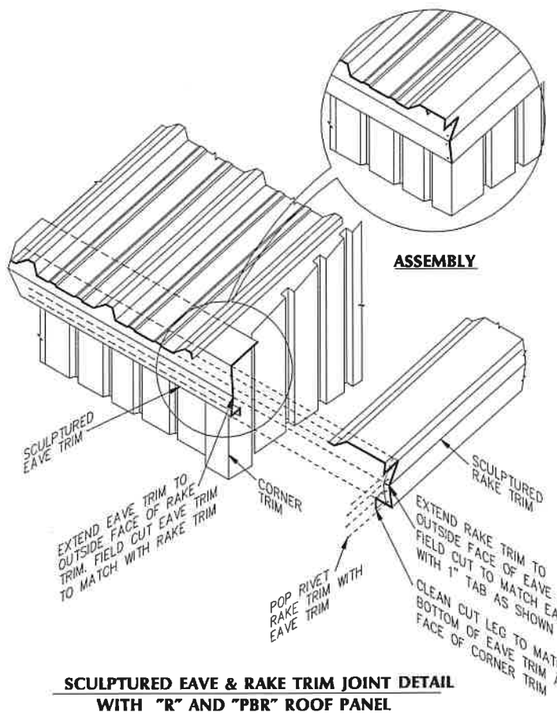
TYPICAL WALK DOOR DETAIL



F.O. HEADER TRIM DETAIL

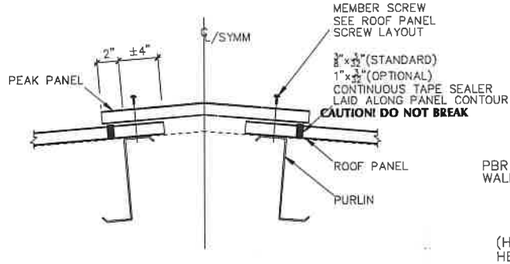


F.O. JAMB TRIM DETAIL

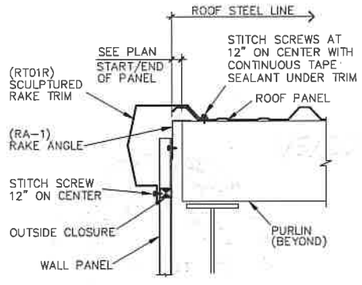


SCULPTURED EAVE & RAKE TRIM JOINT DETAIL
WITH "R" AND "PBR" ROOF PANEL

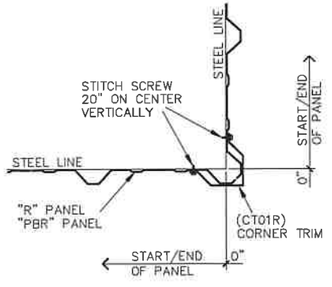
FOR PERMIT



PEAK PANEL DETAIL



SCULPTURED RAKE DETAIL WITH SHEETED WALL
"R" AND "PBR" ROOF PANEL



OUTSIDE CORNER DETAIL
ON MODULE

11/5/20

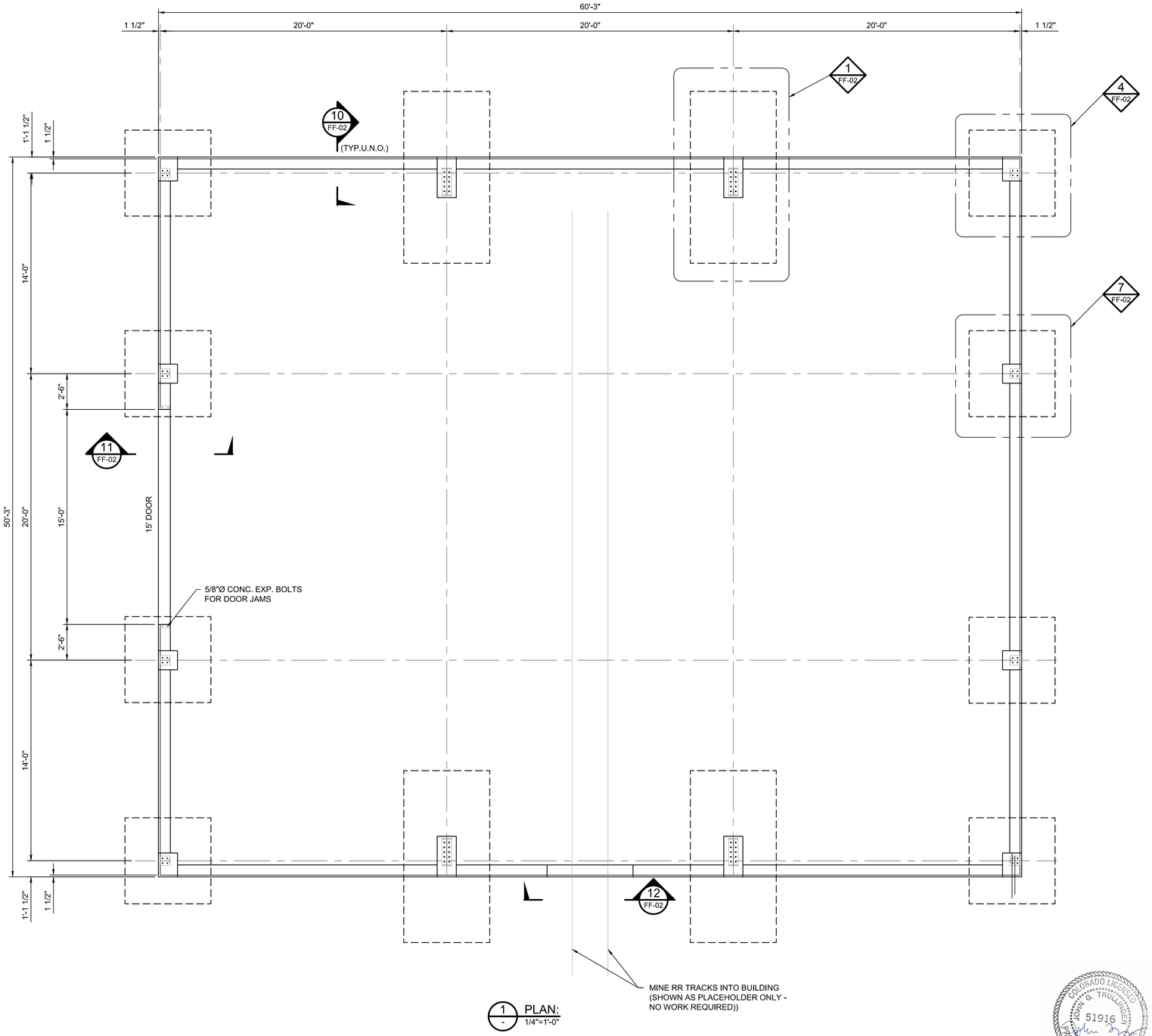
COLORADO LICENSED
CARLITO M. DAYAG
46701
PROFESSIONAL ENGINEER

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT GENERAL STEEL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY G.S.C. IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN G.S.C. ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	PANEL PROFILE, TRIMS & ACCESSORIES		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
SALES ORD. 68726	JOB NO. 148759	SCALE N.T.S.	DWG. NO. E010
			REV. A



1 - PLAN: 1/4"=1'-0"

CONCRETE NOTES

1. REINFORCED CONCRETE DESIGN AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-14", AS PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE.
2. CONCRETE PROPERTIES:

	f'c (PSI) 28 DAYS	MAX. AGGR.	ENTR. AIR (%)	MAX. W/C	EXP CAT
FOOTINGS AND PIERS:.....	4,500	3/4"	6±1.5	0.45	F2

3. f'c OF 4500PSI IS SPECIFIED TO MEET ACI 301 REQUIREMENTS FOR DURABILITY.
4. REINFORCING STEEL - ASTM A615 GRADE 60
5. IF CONCRETE SUPPORT BLOCKS ARE USED, THEIR STRENGTH SHALL BE EQUAL TO OR GREATER THAN THAT OF THE CONCRETE BEING PLACED.
6. THE FOLLOWING MATERIALS SHALL NOT EXCEED THE FOLLOWING PERCENT OF TOTAL CEMENTITIOUS MATERIAL BY WEIGHT:

   FLY ASH:.....15%
   SOLUBLE CHLORIDE:.....0.1%

7. CONCRETE COMPONENTS SHALL MEET THE FOLLOWING ASTM:

   PORTLAND CEMENT:.....C150, TYPE I/II
   FINE AND COARSE AGGREGATES:.....C33
   FLYASH:.....C618, CLASS F
   AIR ENTRAINING ADMIXTURES:.....C260
   OTHER CHEMICAL ADMIXTURES:.....C494, TYPE A-G
   WATER, CLEAN & NOT DETRIMENTAL TO CONCRETE:.....N/A

8. PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
9. PROVIDE LAP SPLICES AT ALL CORNERS AND INTERSECTIONS. SAME SIZE AND SPACING AS HORIZONTAL REINFORCING. CORNER BARS MAY BE REQUIRED.
10. PROVIDE SUPPORTS AND SPACERS FOR ALL REINFORCING
11. CONCRETE COVER OVER REBAR SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON DRAWINGS:

    CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
    CONCRETE EXPOSED TO EARTH OR WEATHER - 2"
    CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND -1 1/2"

12. CONCRETE SHALL NOT BE ALLOWED TO FREE FALL DURING PLACEMENT, USE TREMIE OR OTHER MEANS NECESSARY TO PREVENT SEGREGATION.
13. CONSOLIDATE ALL CONCRETE, INCLUDING SLABS, BY VIBRATING.
14. ALL CONCRETE SHOWN SHALL BE REINFORCED. PLANS, SECTIONS AND DETAILS SHOWN WITHOUT REINFORCEMENT ARE INTENDED TO SHOW DIMENSIONS AND DETAILS OF CONSTRUCTION ONLY. REINFORCEMENT OF THESE SECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE DETAILS SHOWING REINFORCEMENT.
15. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE".
16. SUBMIT DESCRIPTION OF PLANNED PROTECTIVE MEASURES FOR HOT OR COLD WEATHER CONCRETING. HOT AND COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE WITH ACI 305R AND 306.1 RESPECTIVELY U.N.O.

FASTENING AND ANCHORAGE

A. GENERAL
1. COORDINATE THE FASTENING AND ANCHORAGE WITH THE CONCRETE AND STEEL COMPONENTS SHOWN ON THE DRAWINGS.

B. SUBMITTALS
1. PRODUCT SPECIFICATIONS WITH RECOMMENDED DESIGN VALUES AND PHYSICAL CHARACTERISTICS FOR ADHESIVE AND MECHANICAL ANCHORS.

C. PRODUCTS
1. CAST-IN-PLACE ANCHORS:
   a. ANCHOR BOLTS: ASTM F1554, GRADE 36
   b. NUTS: ASTM 1563 HEAVY HEX (GRADE DH WHEN GALVANIZED)
   c. WASHERS: ASTM F436

D. EXECUTION
1. CAST-IN-PLACE ANCHORS: USE TEMPLATES TO LOCATE ANCHORS ACCURATELY AND SECURELY IN FORMWORK.
2. INSTALL ANCHORS PER THE MANUFACTURER'S INSTRUCTIONS.
3. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
4. REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. ADJUST THE REINFORCING BARS TO AVOID ANCHOR RODS.

COLORADO LICENSED
JOHN G. TRULLINGER
51916
PROFESSIONAL ENGINEER
January 22, 2021
Exp Date 10/31/21

ISSUED FOR CONSTRUCTION

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
0	KAL2	KAK	JGT	01/22/21	ISSUED FOR CONSTRUCTION

CLIENT
BID
CONSTRUCTION 01/22/21
RELEASED TO/FOR
A B C 0 1 2 3
DATE RELEASED

BARR
Project Office:
BARR ENGINEERING CO.
170 SOUTH MAIN STREET
SUITE 500
SALT LAKE CITY, UT 84101
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com
Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277

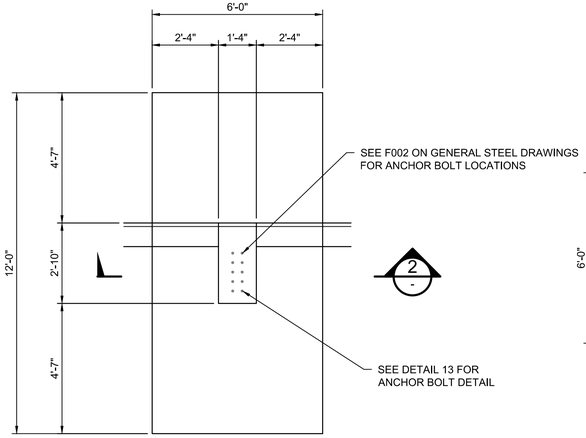
Scale	AS SHOWN
Date	01/14/21
Drawn	KAL2
Checked	KAK
Designed	KAK
Approved	JGT

OURAY SILVER MINE, INC
OURAY, COLORADO

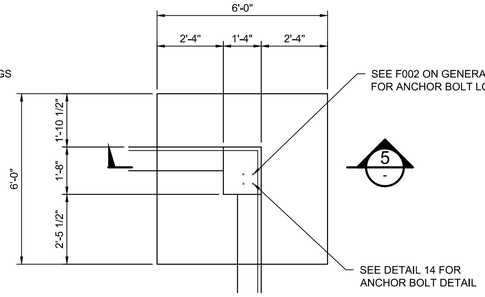
WAREHOUSE BUILDING
REVENUE VIRGINIUS MINE

WAREHOUSE BUILDING FOUNDATION
PLAN AND NOTES

BARR PROJECT No. 06/46-1001.04
CLIENT PROJECT No.
DWG. No. 965-FF-01
REV. No. 0



1 DETAIL: 965-FF-01 3/8"=1'-0" (SIMILAR 4 PLC'S)



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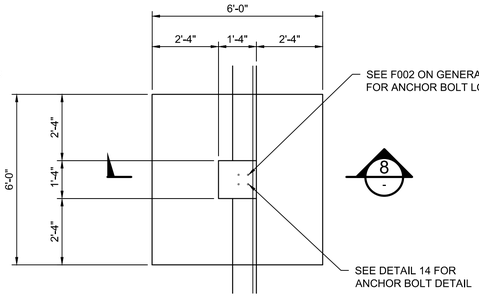
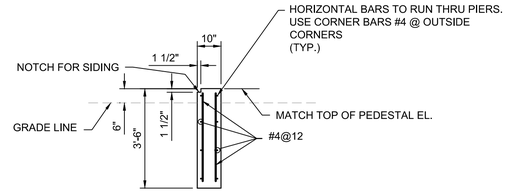
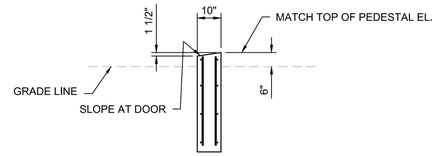


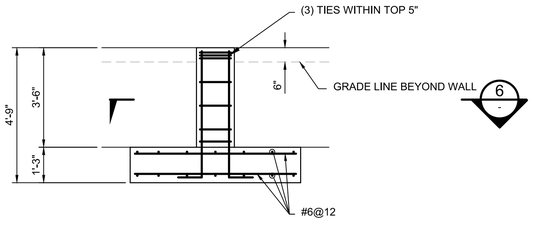
7 DETAIL: 965-FF-01 3/8"=1'-0" (SIMILAR 4 PLC'S)



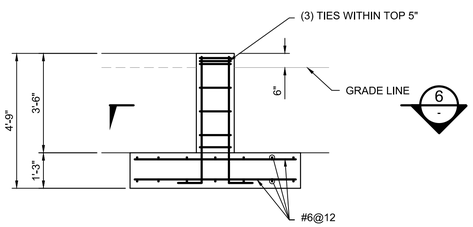
10 SECTION: 965-FF-01 3/8"=1'-0"



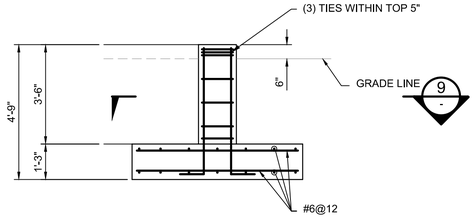
11 SECTION: 965-FF-01 3/8"=1'-0"



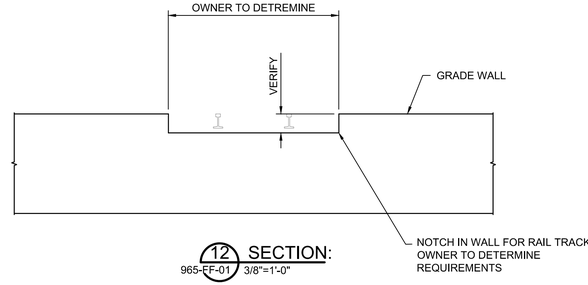
2 SECTION: 3/8"=1'-0"



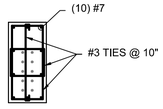
5 SECTION: 3/8"=1'-0"



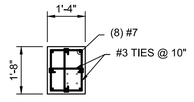
8 SECTION: 3/8"=1'-0"



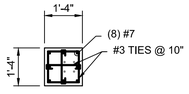
12 SECTION: 965-FF-01 3/8"=1'-0"



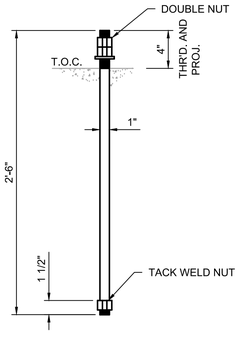
3 SECTION: 3/8"=1'-0"



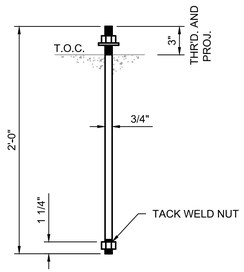
6 SECTION: 3/8"=1'-0"



9 SECTION: 3/8"=1'-0"



13 DETAIL: 1 1/2"=1'-0"



14 DETAIL: 1 1/2"=1'-0"

ISSUED FOR CONSTRUCTION

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
0	KAL2	KAK	JGT	01/22/21	ISSUED FOR CONSTRUCTION

RELEASED TO/FOR

	A	B	C	0	1	2	3
CLIENT							
BID							
CONSTRUCTION				01/22/21			

DATE RELEASED

BARR
Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277

Project Office:
BARR ENGINEERING CO.
170 SOUTH MAIN STREET
SUITE 500
SALT LAKE CITY, UT 84101
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com

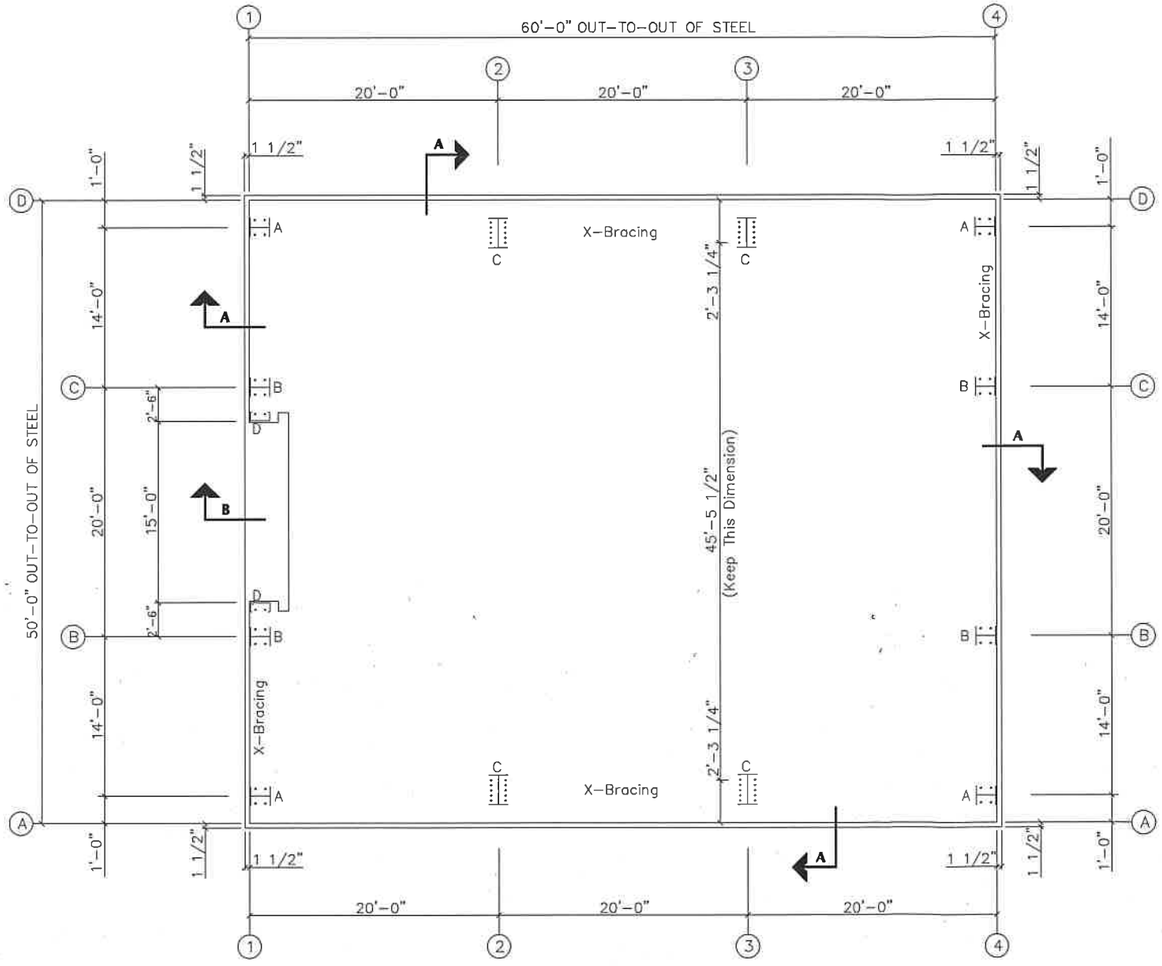
Scale	AS SHOWN
Date	01/14/21
Drawn	KAL2
Checked	KAK
Designed	KAK
Approved	JGT

OURAY SILVER MINE, INC
OURAY, COLORADO

WAREHOUSE BUILDING
REVENUE VIRGINIUS MINE

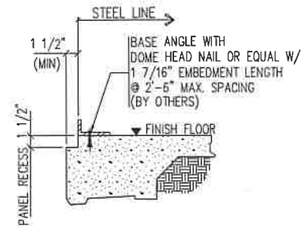
WAREHOUSE BUILDING FOUNDATION SECTIONS AND DETAILS

BARR PROJECT No. 06/46-1001.04
CLIENT PROJECT No.
DWG. No. 965-FF-02
REV. No. 0



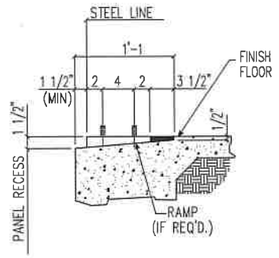
COLUMN LAYOUT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)



IMPORTANT NOTES:
NOTCH AREA INDICATES 1 1/2" INCH BY 1 1/2" INCH RECESS FOR METAL WALL SHEETS. THE SHEETS SHOULD NOT TOUCH THE BOTTOM OF THE NOTCH, WHICH WOULD VOID THE WARRANTY!

A SECTION



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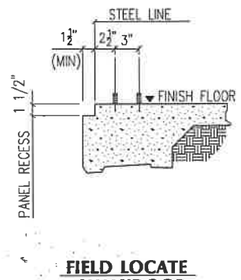

FIELD LOCATE WALKDOOR

FOR CONSTRUCTION

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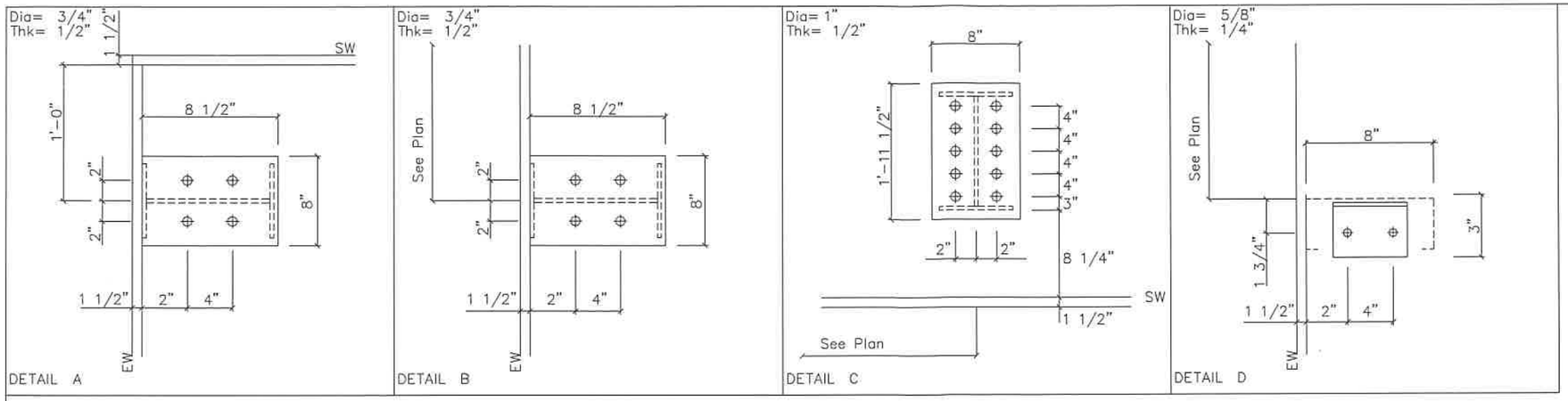
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	COLUMN LAYOUT PLAN
CUSTOMER	AMMC Industries
END USER	AMMC Industries
END USE	Shop / BUILDING: A
STREET	19911 Hwy. 550
CITY ST ZIP	Montrose, CO 81403
SALES REP. 68726	JOB NO. 148759 / SCALE N.T.S. / DWG NO. F001 / REV. 0



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GENERAL NOTES:

1. THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1-1/2".
2. THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.
3. BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
0	+	1/2"	1"
4	⊕	5/8"	2"
32	⊕	3/4"	2 1/2"
0	⊕	7/8"	2 3/4"
40	⊕	1"	3"
0	⊕	1 1/8"	3 1/2"
0	⊕	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE

LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER

DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER

NUTS & WASHERS BY SUPPLIER

ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	11/05/20	JAP	AGP	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	ANCHOR BOLT DETAILS		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
PROJ# 68726	JOB NO. 148759	SCALE N.T.S.	DWG NO. F002 REV 0

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
2*	D	1.5	3.6	5.0	10.0	30.4	60.6	−6.0	−8.9	0.1	−5.4	−5.9	−5.4
2*	A	−1.5	3.6	−5.0	10.0	−30.4	60.5	−0.1	−5.4	6.0	−8.9	−0.3	−1.8

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
2*	D	0.3	−1.8	−0.9	−10.3	−1.5	−9.1	−1.7	−1.1	1.7	1.1	0.0	−4.0
2*	A	5.9	−5.4	1.5	−9.1	0.9	−10.3	−1.7	1.1	1.7	−1.1	0.0	−4.0

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	D	5.0	10.0	24.7	61.6	24.5	32.7
2*	A	−5.0	10.0	−24.5	32.7	−24.7	61.6

2* Frame lines: 2 3

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	D	1	31.9	64.1	2	−2.7	−3.2	10	1.000	8.000	23.50	0.500	0.0
		6	26.1	65.2	4	0.3	−4.1						
2*	A	3	2.7	−3.2	1	−31.9	64.1	10	1.000	8.000	23.50	0.500	0.0
		7	−26.1	65.2	5	−0.3	−4.1						

2* Frame lines: 2 3

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz
1	D	0.5	1.1	6.8	0.0	−1.2	0.0	−1.1	0.0	−0.7	0.0	−0.5	−1.0	1.2
1	C	1.3	4.0	24.0	0.0	−4.4	0.0	−2.6	0.0	−3.2	0.0	−1.4	−2.6	2.9
1	B	1.3	4.0	24.0	1.7	−5.1	0.0	−2.2	1.7	−3.8	0.0	−1.0	−2.6	2.9
1	A	0.5	1.1	6.8	0.0	1.4	1.7	−3.4	0.0	2.0	1.7	−2.8	−1.0	1.2

Frm Line	Col Line	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	D	0.0	−1.4	0.0	−0.7	0.0	0.1	0.0	−0.1	0.0	1.1	0.0	7.9	0.0	1.5
1	C	0.0	−4.2	0.0	−2.8	0.0	−0.1	0.0	0.1	0.0	4.0	0.0	28.9	0.0	9.7
1	B	0.0	−2.3	0.4	−4.8	1.9	−2.6	0.0	2.3	0.0	4.0	0.0	9.8	0.1	28.7
1	A	0.4	−1.3	0.0	−0.8	0.0	2.6	1.9	−2.3	0.0	1.1	0.1	1.4	0.0	8.0

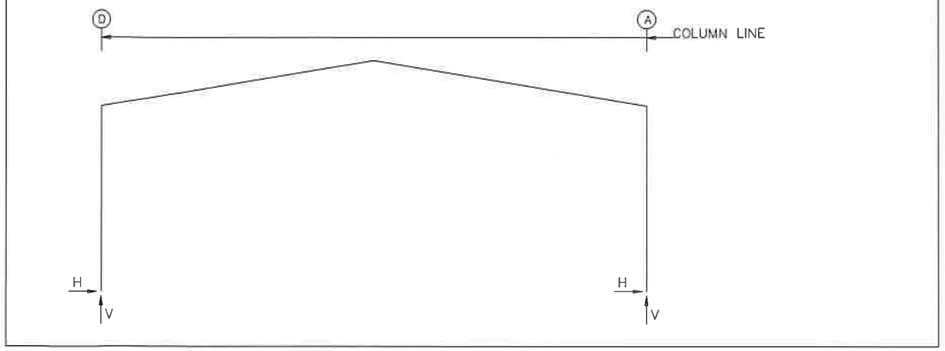
Frm Line	Col Line	Dead Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz
4	A	0.5	1.1	6.8	0.0	−1.2	0.0	−1.1	0.0	−0.7	0.0	−0.5	−1.0	1.2
4	B	1.3	4.0	24.0	0.0	−4.4	0.0	−2.6	0.0	−3.2	0.0	−1.4	−2.6	2.9
4	C	1.3	4.0	24.0	1.7	−5.1	0.0	−2.2	1.7	−3.8	0.0	−1.0	−2.6	2.9
4	D	0.5	1.1	6.8	0.0	1.4	1.7	−3.4	0.0	2.0	1.7	−2.8	−1.0	1.2

Frm Line	Col Line	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert
4	A	0.0	−1.4	0.0	−0.7	0.0	0.1	0.0	−0.1	0.0	1.1	0.0	7.9	0.0	1.5
4	B	0.0	−4.2	0.0	−2.8	0.0	−0.1	0.0	0.1	0.0	4.0	0.0	28.9	0.0	9.7
4	C	0.0	−2.3	0.4	−4.8	1.9	−2.6	0.0	2.3	0.0	4.0	0.0	9.8	0.1	28.7
4	D	0.4	−1.3	0.0	−0.8	0.0	2.6	1.9	−2.3	0.0	1.1	0.1	1.4	0.0	8.0

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	D	8	0.7	−0.6	9	−0.6	−0.6	4	0.750	8.000	8.500	0.500	0.0
		10	0.0	8.3	8	0.7	−0.6						
1	C	11	1.7	−1.9	9	−1.6	−1.8	4	0.750	8.000	8.500	0.500	0.0
		10	0.0	30.1	11	1.7	−1.9						
1	B	11	1.7	−2.3	12	−1.6	−2.1	4	0.750	8.000	8.500	0.500	0.0
		13	0.0	30.0	11	1.7	−2.3						
1	A	14	0.7	−1.8	9	−0.6	−0.5	4	0.750	8.000	8.500	0.500	0.0
		13	0.0	8.4	14	0.7	−1.8						
4	A	8	0.7	−0.6	9	−0.6	−0.6	4	0.750	8.000	8.500	0.500	0.0
		15	0.0	8.3	8	0.7	−0.6						
4	B	11	1.7	−1.9	9	−1.6	−1.8	4	0.750	8.000	8.500	0.500	0.0
		15	0.0	30.1	11	1.7	−1.9						
4	C	11	1.7	−2.3	12	−1.6	−2.1	4	0.750	8.000	8.500	0.500	0.0
		16	0.0	30.0	11	1.7	−2.3						
4	D	14	0.7	−1.8	9	−0.6	−0.5	4	0.750	8.000	8.500	0.500	0.0
		16	0.0	8.4	14	0.7	−1.8						

FRAME LINES: 2 3



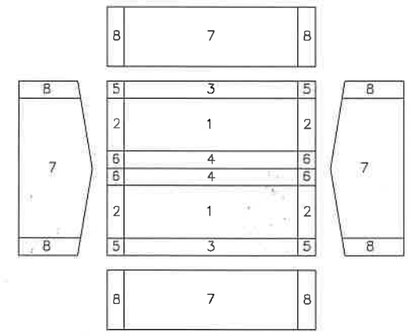
NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data.

Width (ft)	: 50
Length (ft)	: 60
Eave Height (ft)	: 17 / 17
Roof Slope (rise/12)	: 2.0:12 / 2.0:12
Design Code	: IBC 18
Enclosure	: Closed
Dead Load (psf)	: 4.00
Collateral Load (psf)	: 0.00
Basic Design Wind Speed (mph)	: V (3 sec. gust) = 115.00 mph
Allowable Stress Wind Speed (mph)	: Vasd (3 sec. gust) = 89.08 mph
Wind Importance Factor	: 1.000
Wind Exposure	: C
Live Load (psf)	: 20.00
Frame Live Load (psf)	: 20.00
Ground Snow Load (psf)	: 173.00
Roof Snow Load (psf)	: 121.10
Snow Exposure	: 1.000
Snow Importance Factor	: 1.000
Thermal Factor	: 1.000
Seismic Importance Factor	: 1.000
Spectral Response Accel.	: Ss=0.330 : S1=0.075
Spectral Response Coeff.	: Sds=0.337 : Sd1=0.120
Seismic Coeff. (Fa*Ss)	: 0.506 : Fa=1.537
Seismic Design Category	: C

5. Loading conditions are:
   1 Dead+Collateral+Snow+Slide_Snow
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Right1
   4 0.6Dead+0.6Wind_Long1L
   5 0.6Dead+0.6Wind_Long2L
   6 Dead+Collateral+F1UNB_SL_L
   7 Dead+Collateral+F1UNB_SL_R
   8 0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
   9 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
   10 Dead+Collateral+E1UNB_SL_L
   11 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
   12 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
   13 Dead+Collateral+E1UNB_SL_R
   14 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
   15 Dead+Collateral+E2UNB_SL_L
   16 Dead+Collateral+E2UNB_SL_R

Zone	Width (ft)	Length (ft)	Components & Cladding (Factored) Pressure (psf) Member	Pressure (psf) Panel	Suction (psf) Member	Suction (psf) Panel
1			10.00	10.00	−10.00	−25.81
2		5.00	10.00	10.00	−24.67	−37.69
3	5.00		10.00	10.00	−10.00	−25.81
4	5.00		10.00	10.00	−24.67	−37.69
5	5.00	5.00	10.00	10.00	−24.67	−37.69
6	5.00	5.00	10.00	10.00	−27.94	−44.65
7			10.92	12.78	−12.00	−13.86
8	5.00		10.92	12.78	−13.32	−17.05



Design Calculation Wind

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis
L_EW	1	B,A	1.7	2.1	1.9	2.3		
F_SW	A	2,3	3.5	2.7	5.3	4.0		
R_EW	4	C,D	1.7	2.1	1.9	2.3		
B_SW	D	3,2	3.5	2.7	5.3	4.0		

FOR CONSTRUCTION

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
0	CONSTRUCTION/PERMIT	11/05/20	JAP	MBS	BKD

GENERAL STEEL CORPORATION

DESCRIPTION	ANCHOR BOLT REACTIONS		
CUSTOMER	AMMC Industries		
END USER	AMMC Industries		
END USE	Shop	BUILDING	A
STREET	19911 Hwy. 550		
CITY ST ZIP	Montrose, CO 81403		
68726	148759	N.T.S.	F003 0

Appendix 2.
Security Building Information Package

Overholt Sheds

1796 HWY 50 Delta, CO 81416
Phone: 970-874-7070 Fax: 970-87 4-7068.=--c-
Email: info@overholtsheds.com

Customer Representative: Steve Harris
Order New x
On Lot New
On Lot Used _____ -+.-_--,---,=--„---„-„-„-- _____
Builder's Name: Inspected By:

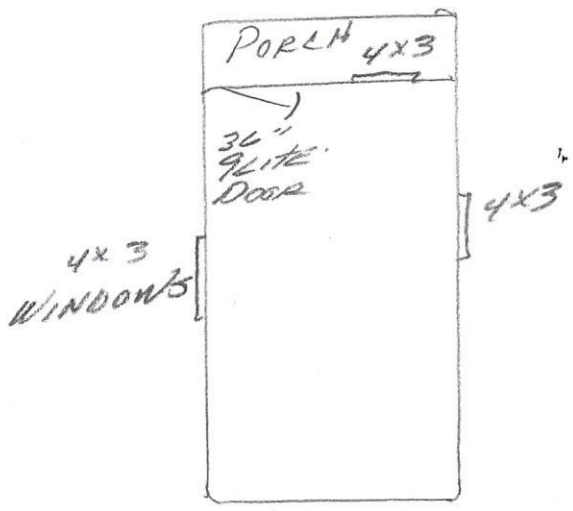
STYLE AND OPTIONS

Serial #:

SERIES / MODEL	Width		Length	Height	Carport Is Enclosed On
Cabin / Mountain Cabin	16	X	40		

OPTIONS		QTY	$/EA	TOTAL
DOOR TYPE/SIZE	36" 9-Lite Primed Entry Door	1		$-
DOOR TYPE/SIZE				$-
WINDOW TYPE:	Vinyl Insulated			$-
WINDOW COLOR:	White			$-
WINDOW SIZE: 1	4'X3' (sliding	3		$-
WINDOW SIZE: 2				$-
SIDING:	Fir T-111			$-
FINISH:	Standard Stain			$-
FLOOR SYSTEM	4x6 Skids / 2X6 Joists (Elite			$-
ROOF TYPE:	Metal - Delta Max (standard			$-
ROOF COLOR	Pine Green			$-
METAL SIDING COLOR				$-
TRIM COLOR				$-
WAINSCOT				$-
120 lb snow load standard trusses		21	$40.00	$840.00
flat ceiling trusses 6/12 pitch				$-
				$-
Customer appreciation discount		1	$(840.00)	$(840.00)
TOTAL OPTION COST		$		-

DRAWING NOTES



CUSTOMER BILLING INFORMATION

Name:	Ouray Silver Mine
Address:	1900 Main - Unit 1
City, State	Ouray ,Co.
Zip Code	81427
Mobile Phone:	(970) 325-9830
Home/Work Phone	
Email:	jhagen@ouraysilvermines.com

DELIVERY INFORMATION

Contact Person	Jasen Hagen
Address:	Mine Site
City:	Ouray
Zip Code	
Best Contact Number:	
Order Date	
Preferred Delivery Date	----------1--'
Other Information:	

LOAD ORIENTATION

LOAD DOOR TO: NOTE

- Cab
- Mule
- Driver Side
- 00n.Site
- Rear of Trailer
- DPilot Car
- Passenger Side

DIRECT SALE

BASE SALES PRICE		$20,480.00
OPTION COST (Described Above)		$0.00
TOTAL PRETAX COST (LINE 1 + LINE 2)		$20,480.00
SALES TAX RATE	Enter Safes Tax Rate from CO OOR Sfte 5.45	
TOTAL SALES TAX		$1,116.16
DELIVERY		
AFTER TAX MISC	On Site Build	$7,168.00
TOTAL AMOUNT DUE		$28,764.16
AMOUNT RECEIVED		
BALANCE AMOUNT DUE		$28,764.16
Method of Payment:		Mkt Trk
Check #		

Cash
Credit
Card

RENT-TO-OWN-SALE

Term (Mo) 36

BASE SALES PRICE		
OPTION COST		$ -
TOTAL SHED COST (LINE 1 + LINE 2)		$ -
DOWNPAYMENT AMOUNT		$ -
RENTAL CONTRACT AMOUNT (Line 3 - Line 4)		$ -
PAYMENT BEFORE TAX		$ -
LIABILITY INSURANCE OPTION	+ NO	$ -
SALES TAX (Enter Rate from CO DOR Site)		$-
TOTAL PAYMENT (LINE 7+ 8)		$0.00
Total Cost of Rent to Own Contract WfO TAX or LOW		$0.00

DELIVERY

TAXON DOWN PAYMENT $0.00

TOTAL AMOUNT DUE AT SIGNING

$0.00

AMOUNT RECEIVED Method:

Notes:

LEAD TIME 4 6 6 WEEKS

Please Make Checks Payable To: Delta Building Center (DBC)

16' wide buildings measure 15'6" wall to wall. Due to changing road conditions all delivery routes will be checked before delivery and extra fees may apply. Overholt Sheds and its agents are not responsible for penmits, setbacks, restrictions, or covenants. Please contact your local code department or Homeowners Association. It is up to the customer to decide whether conditions are suitable for delivery. Overholt Sheds is not responsible for ground, underground, or driveway damage. Additional trips to deliver your building or carport may be subject to additional charges. All carport sites must be level prior to installation. Unsuitable site preparation may be subject to additional charges. The undersigned hereby acknowledges that they have read and understand the disclosure above, and fully accept the tenms provided therein.

Customer Signature Date:

Appendix 3. Lineout Building Information

WILLSCOT™

Williams Scotsman, Inc.
10801 E 104th Avenue
Henderson, CO 80640

Your Williams Scotsman Representative
Luke Peters
Phone: (303)853-4266
Email: luke.peters@willscot.com
Toll Free: 800-782-1500

Contract Number: 1408235
Revision: 7
Date: January 07, 2021

Lease Agreement

Lessee: 23520877
Ouray Silver Mines, Inc.
1900 Main St. Unit 1
Ouray, Colorado, 81427

Contact:
Troy Larson
1900 Main St. Unit 1
Ouray, CO, 81427
Phone: 5098451012
E-mail: tlarson@ouraysilvermines.com

Ship To Address:
1900 Main Street Unit 1
OURAY, CO, 81427

Delivery Date(on or about):
2/8/2021

Rental Pricing Per Month		**Quantity**	**Price**	**Extended**
Single Story - 20'x32' Flex	Unit Number:	1	$1,805.00	$1,805.00
Property Damage Waiver (8)		4	$44.00	$176.00
General Liability - Allen Insurance		1	$40.00	$40.00
Interior Wall-Rental		4	$15.00	$60.00
Furniture		1	$250.00	$250.00
Minimum Lease Term: 6 Months			Total Monthly Building Charges:	$1,805.00
			Subtotal of Other Monthly Charges:	$526.00
			Total Rental Charges Per Month:	$2,331.00
Delivery & Installation				
Tiedown-Dirt Removal-Code		16	$38.81	$620.96
Standard Installation		1	$3,837.14	$3,837.14
Standard Removal		1	$2,775.71	$2,775.71
Tiedowns into dirt		16	$86.50	$1,384.00
Delivery Freight		4	$1,722.50	$6,890.00
Return Freight		4	$1,722.50	$6,890.00
			Total Delivery & Installation Charges:	$22,397.81
Final Return Charges*				
			Due On Final Invoice*:	$0.00
			Total Charges Including (6) Month Rental, Delivery, Installation & Return:**	$36,383.81

Scope Of Work

THE WILLSCOT SECTION MODULAR COMPLEX COMES EQUIPPED WITH PRE-WIRED CAT6 DATA IN EACH OFFICE AND COMMON AREA. SECURITY BARS ON ALL EXTERIOR DOORS AND WINDOWS ARE ALSO INCLUDED WITH THE BUILDING. THESE WILL BE ITEMIZED ON THE INITIAL INVOICE FOR INVENTORY PURPOSES.

READY TO WORK DISCLOSURE (please read):

WS provides Mobile Offices with WS Essentials Furniture Packages/Items included (see separate product brochure and descriptions below). The Mobile Office lease rate above has a Ready to Work Credit of $200/mo already applied. Opting out of the Furniture will increase the above Mobile Office lease rate to $2,005/mo.

The Essentials Furniture items are also available a la carte for an additional cost. All rates will be itemized on the invoice.
Included Furniture is based on what is typical for this size of building – OR – specific conversation. The Ready to Work Credit is available to be used for ALL WillScot Essentials Furniture items. If different furniture than what is included in this quotation is desired, substitutions can be made.

"Furniture" in the above pricing includes the following:

One Professional Conference Package Includes:
2-60" x 30" Conference Table, 8-Manager Chair, 4' x 6' Whiteboard, 1-5' Café Table, 14.6 cuft Fridge, 1.1 cuft Microwave, Coffee Pot w/Starter Kit, 23 Gal Trash Can

One Professional Café Package Includes:
5' Café Table, 14.6 cuft Fridge, 1.1 cuft Microwave, Keurig, Coffee Pot w/Starter Kit, 23 Gal Trash Can

30-day Advanced Notice is Required for Return Delivery Scheduling – if 30 days' notice is not provided, expedite fee will apply. Applicable sales tax is NOT included with the above totals which may also fluctuate. "Special Mobile Machinery" tax is 2% SMM charges are non-negotiable State tax that is not eligible for tax exempt status and will be listed separately on the invoice (this is not included in above pricing and will be on the invoice). The customer is to provide a level, compacted and accessible site for semi-truck delivery and pick-up as well as a dumpster within 100' of the building location for the disposal of shipping material and other building related waste at the time of delivery and pick-up. WillScot is not responsible for tire ruts or building settling. Additional costs will be passed to the customer if the site is not accessible or the truck and/or trailer get stuck on soft, loose, muddy,

Williams Scotsman, Inc.
10801 E 104th Avenue
Henderson, CO 80640

Your Williams Scotsman Representative
Luke Peters
Phone: (303)853-4266
Email: luke.peters@willscot.com
Toll Free: 800-782-1500

Contract Number:1408235
Revision: 7
Date: January 07, 2021

Scope Of Work

slick, etc... sites. This quote is based upon building availability when the order is placed. Final delivery schedule and costs will be determined when the order is placed as this quote is good for 30 days. Flooring in double wide and larger buildings may vary between carpet and VCT and the electricity may need to be connected so the building can be heated to a minimum of 55 degrees so the glue will flash and/or metal carpet bar may be used to seam the floor at the mod-line. Used buildings do NOT meet the current building codes. Used buildings DO have a State of Colorado seal. Customer is responsible for pulling any/all permits. Should the customer pull a permit requiring a site-specific tie-down plan and inspection, additional costs will be added. The customer is responsible for site preparation, permits, utility runs, plumbing manifold and utility connection and disconnection. Customer is responsible to provide ADA access for employees and general public. Steps and ramps, if provided, are NOT attached or secured to the ground or Williams Scotsman, Inc. 10801 E 104th Ave Henderson, CO 80640-8830 Your Williams Scotsman Representative Luke Peters Phone: (303)853-4266 Email: luke.peters@willscot.com Toll Free: 800-782-1500 Contract Number:1403471 Revision: 2 Date: December 23, 2020 Scope Of Work building. Buildings do NOT come with fire sensors, alarms or sprinklers. Additional costs for site specific training, local municipality requirements, rerouting of standard shipping lane, down time, etc... will be added to this agreement and payable by the customer. Anchors installed in asphalt or concrete will leave holes and damage asphalt when removed which is NOT repaired by WillScot. To help mitigate damage billing at the end of the lease, use 3M Command Wall Hooks that stick and have pull tabs to hang items on the walls in lieu of nails, screws and anchors bolts. Use power poles from the ceiling in lieu of floor outlets. It's expensive to repair and replace damaged wall panels and flooring, which is NOT included in your lease rate. Items not specifically listed on this quote are NOT provided.

Summary of Charges

Model: P12032	QUANTITY: 1	Total Charges for (1) Building(s): $36,383.81

WILLSCOT™

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10801 E 104th Avenue
Henderson, CO 80640

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INSURANCE REQUIREMENTS ADDENDUM

QTY	PRODUCT	EQUIPMENT VALUE/BUILDING	DEDUCTIBLE PER UNIT
1	P12032	$60000.00	$4000.00

Lessee: Ouray Silver Mines, Inc.

Pursuant to the Williams Scotsman Lease Agreement and its Terms and Conditions ("Agreement"), a Lessee is obligated to provide insurance to Williams Scotsman, Inc. ("Lessor") with the following insurance coverage:

1. **Commercial General Liability Insurance:** policy of combined bodily injury and property damage insurance insuring Lessee and Lessor against any liability arising out of the use, maintenance, or possession of the Equipment. Such insurance shall be in an amount not less than $1,000,000 per occurrence, naming the Lessor as Additional Insured and Loss Payee.
2. **Commercial Property Insurance**: covering all losses or damage, in an amount equal to 100% of the Equipment Value set forth in the Lease providing protection against perils included within the classification and special extended perils (all "risk" insurance), naming the Lessor as Additional Insured and Loss Payee.

By signing below, the Lessee agrees to the terms and conditions stated herein. All other general Terms and Conditions of the Agreement shall remain the same and in full force and effect. Each party is hereby authorized to accept and rely upon a facsimile or electronic signature of the other party on this Addendum. Any such signature shall be treated as an original signature for all purposes.

Commercial General Liability Insurance

Lessee elects to participate in the Commercial General Liability Insurance Program, whereby Lessee will receive insurance coverage through American Southern Insurance Company ("Insurer") and administered by Allen Insurance Group ("Agent"). The Lessee acknowledges and agrees that the policy issued by the Insurer is a third party liability policy that covers those amounts that Lessee is legally obligated to pay due to bodily insurance and property damage arising from the proper use and occupancy of Equipment leased from Williams Scotsman up to the policy limits. Coverage is subject to underwriting and specific terms and conditions set forth in the policy. An outline of cover is available upon request. By signing below, Lessee understands and agrees that the Lessor is not providing the insurance coverage and serves only as a billing agent for the Insurer and its Agent; and, accordingly, it assumes no liability therefore.

Signature of Lessee: _____ Print Name: Brian K. Briggs Date: 2/17/21

Damage Waiver Program

Lessee elects to participate in the Lessor's Damage Waiver Program. Lessee understands and agrees that under this program, the Lessor waives, for a fee, Lessee's obligation to carry Commercial Property Insurance and Lessee's liability to Lessor for repair or replacement of the modular units leased from Williams Scotsman resulting from loss or damage as specified in the Lease Agreement. Lessee remains liable to Williams Scotsman for the amount of the damage deductible per unit of equipment noted above. Please refer to the Agreement for specific details on coverage, exclusions and restrictions on coverage. The Property Damage Waiver is not and shall not constitute a contract for insurance.

Signature of Lessee: _____ Print Name: Brian K. Briggs Date: 2/17/21

Please return this signed document with the signed lease agreement

WILLSCOT™

Williams Scotsman, Inc.
10801 E 104th Avenue
Henderson, CO 80640

Your Williams Scotsman Representative
Luke Peters
Phone: (303)853-4266
Email: luke.peters@willscot.com
Toll Free: 800-782-1500

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Revision: 7
Date: January 07, 2021

Clarifications

***Final Return Charges are estimated and will be charged at Lessor's market rate at time of return for any Lease Term greater than twelve (12) months. **All prices exclude applicable taxes. All Lessees and Leases are subject to credit review.** In addition to the stated prices, customer shall pay any local, state or provincial, federal and/or personal property tax or fees related to the equipment identified above ("Equipment"), its value or its use. Lessee acknowledges that upon delivery of the Equipment, this Agreement may be updated with the actual serial number(s), delivery date(s), lock serial number(s), etc, if necessary and Lessee will be supplied a copy of the updated information. Prices exclude taxes, licenses, permit fees, utility connection charges, site preparation and permitting which is the sole responsibility of Lessee, unless otherwise expressly agreed by Lessor in writing. Lessee is responsible for locating and marking underground utilities prior to delivery and compliance with all applicable code requirements unless otherwise expressly agreed by the Lessor in writing. Price assumes a level site with clear access. Lessee must notify Lessor prior to delivery or return of any potentially hazardous conditions or other site conditions that may otherwise affect delivery, installation, dismantling or return of any Equipment. Failure to notify Lessor of such conditions will result in additional charges, as applicable. Physical Damage & Commercial Liability insurance coverage is required beginning on the date of delivery. Lessor is not responsible for changes required by code or building inspectors. **Pricing is valid for thirty (30) days.**

Please note the following important billing terms:

- In addition to the first month rental and initial charges, last month rent for building, other monthly rentals/service (excluding last month for General Liability Insurance and Property Damage Waivers), will be billed on the initial invoice. Any amounts prepaid to Williams Scotsman will be credited on the final invoice.
- Invoices are due on receipt, with a twenty (20) day grace period. Interest will be applied to all past due amounts.
- Invoices are due on receipt, with a twenty (20) day grace period. Late fees will be applied to all past due amounts.
- Williams Scotsman preferred method of payment is ACH. Payments made by check are subject to a Paper Check Fee, charged on the next invoice following payment by check.
- Williams Scotsman preferred method of invoicing is via electronic transmission. Customers are encouraged to provide an email address or use BillTrust. Invoices sent standard mail are subject to a paper invoice fee, charged on the following invoice.

Lessor hereby agrees to lease to Lessee and Lessee hereby agrees to lease from Lessor Modular Equipment and Value Added Products (as such items are defined in Lessor's General Terms & Conditions) selected by Lessee as set forth in this Agreement. All such items leased by the Lessee for purposes of this Lease shall be referred to collectively as the "Equipment". By its signature below, Lessee hereby acknowledges that it has read and agrees to be bound by the Lessor's General Terms & Conditions (09-01-19) located on Lessor's internet site (https://www.willscot.com/About/terms-conditions) in their entirety, which are incorporated herein by reference and agrees to lease the Equipment from Lessor subject to the terms therein. Although Lessor will provide Lessee with a copy of the General Terms & Conditions upon written request, Lessee should print copies of this Agreement and General Terms & Conditions for recordkeeping purposes. Each party is authorized to accept and rely upon a facsimile signature, digital, or electronic signatures of the other party on this Agreement. Any such signature will be treated as an original signature for all purposes and shall be fully binding. The undersigned represent that they have the express authority of the respective party they represent to enter into and execute this Agreement and bind the respective party thereby.

Invoicing Options (select one)

[ ]Paperless Invoicing Option
Williams Scotsman prefers electronic invoicing, an efficient, convenient and environmentally friendly process. To avoid fees, provide us with the proper email address for your invoices.

A/P Email: payable@ouraysilvermines.com
A/P Email on File:

[ ]Standard Mail Option
Customer prefers to receive paper invoice via mail. Fees may apply. Invoices will be mailed to:

1900 Main St, Ouray CO 81427

Enter a new billing address: _____

Signatures

Lessee:: Ouray Silver Mines, Inc.	**Lessor:** **Williams Scotsman, Inc.**
Signature: BKB	Signature:
Print Name: Brian Briggs	Print Name:
Title: CEO	Title:
Date: 2/11/21	Date:
PO#	

PLEASE RETURN SIGNED AGREEMENT TO: DENLeases@willscot.com

Appendix 4.
SPCC Plan

Ouray Silver Mines, Inc.
1900 Main St. Unit 1
PO Box 564
Ouray, CO 81427

OURAY SILVER MINES

REVENUE MINE

SPILL PREVENTION CONTROL and COUNTERMEASURE (SPCC) PLAN

In Conformance with the Guidelines set by:
Title 40 CFR Part 112

Amended 2 July 2021

Table of Contents

Introduction

The purpose of this Spill Prevention Control and Countermeasure (SPCC) Plan is to describe the measures implemented by Ouray Silver Mines Inc. (OSMI) to prevent discharges of hydrocarbons from occurring and to mitigate the impacts of a discharge.

In addition to oils and fuels, this Plan should also apply to all chemical management on site. Chemicals stored in the facility will be referenced in the Material Containment Plan (MCP).

This Plan has been prepared to meet the requirements of Title 40 CFR, *Code of Federal Regulations,* Part 112 (40 CFR part 112).

This Plan provides guidance on key actions that OSMI must perform to comply with the SPCC rule:

- Complete site inspections as outlined in Section 3.7 of this Plan;
- Perform preventative maintenance of equipment, secondary containment systems and discharge prevention systems as needed to maintain proper operational condition;
- Conduct annual employee training as outlined in Section 3.8 of this Plan and maintain a current training log;
- Review the SPCC Plan at least once every 5 years and amend the Plan to include other prevention and control technology if such technology will significantly reduce the likelihood of a spill event and has been proven effective in the field at the time of the review. Amend the SPCC plan within 6 months whenever there is a change in facility design, construction, operation or maintenance that materially affects the facility's spill potential. The revised Plan must be recertified by a Professional Engineer on the certification page in section 1.2 of this Plan;
- Administrative changes must be documented in the Plan review log but do not have to be certified by a Professional Engineer; and
- If either of the following occurs, submit the SPCC Plan to the EPA Region 8 Regional Administrator (RA) and the Colorado Department of Health and Environment (CDPHE) along with other information as detailed in Section 5 of this Plan:

    - The facility discharges more than 1,000 gallons of hydrocarbons into or upon the Waters of the U.S. (Sneffels Creek) or adjoining shorelines in a single spill event; or

    - The facility discharges oil in a quantity greater than 42 gallons in each of two spill events within any 12 month period.

In addition to fulfilling requirements of 40 CFR part 112, this Plan is used as a reference for product storage information and testing records, as a tool to communicate practices on preventing and responding to discharges with employees, as a guide to facility inspections and as a resource during emergency response.

OSMI management has determined that this facility does not pose a risk of substantial harm under 40 CFR part 112 as recorded in the "Substantial Harm Determination" included in this Plan.

Part 1: Plan Administration

1.1 Management Approval and Designated Person (40 CFR 112.7)

Ouray Silver Mines Inc. (OSMI) is committed to preventing discharges of oil to Waters of the U.S. (Sneffels Creek) and to the environment. OSMI is committed to maintaining the highest standards for spill prevention control and countermeasures through the implementation, regular review and amendment to the SPCC Plan. This Plan has the full approval of OSMI management. OSMI has committed the necessary resources to implement the measures described in this Plan.

The Environmental Specialist is the Designated Person for spill prevention at the facility and has the authority to commit the necessary resources to implement this Plan.

Authorized Facility Representative (Facility Response Coordinator):

Signature: _____ (Todd Jesse)

Title: Environmental Specialist

Date: July 26th 2021

1.2 Professional Engineer Certification (40 CFR 112.3(d))

The undersigned Registered Professional Engineer is familiar with the requirements of Part 112 of Title 40 of the *Code of Federal Regulations* (40 CFR part 112) and has visited and examined the facility, or has supervised examination of the facility by appropriately qualified personnel. The undersigned Registered Professional Engineer attests that this Spill Prevention, Control, and Countermeasure Plan has been prepared in accordance with best engineering practice, including consideration of applicable industry standards and the requirements of 40 CFR part 112; that procedures for required inspections and testing have been established; and that this Plan is adequate for the facility. [40 CFR 112.3(d)]

This certification in no way relieves the owner or operator of the facility of his/her duty to prepare and fully implement this SPCC Plan in accordance with the requirements of 40 CFR part 112. This Plan is valid only to the extent that the facility owner or operator maintains, tests, and inspects equipment, containment and other devices as prescribed in this Plan.

1.2.1 Required Improvements

The Professional Engineer's certification of this plan is contingent on the following facility improvements being implemented for compliance with SPCC regulations 40 CFR 112:

1) **Emergency spill kit items must be placed near hydrocarbon use areas for use on the entire site. Spill Kits should include impervious containers with absorbent socks, pillows, pads, gloves, goggles, disposal bags, ties, instructions and labels.**

2) **Training of personnel must occur per Section 3.8 of this plan and designated employees must become familiar with the spill kit items, their use and proper reporting in the case of a spill.**

Name: Brian K. Briggs, P.E.
Company: Ouray Silver Mines Inc.
State Registration No.: Colorado # 31956

Signature: _____

Date: 7-26-21

Substantial Harm Determination

Facility Name: Revenue Mine
Facility Address: 1416 County Rd. 26
Ouray, CO 81427

1. Does the facility transfer hydrocarbons over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes _____ No ___X___

2. Does the facility have a total hydrocarbon storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the largest above ground oil storage tank plus sufficient freeboard to allow for precipitation within any above ground storage tank area?
   Yes _____ No ___X___

3. Does the facility have a total hydrocarbon storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in 40 CFR Part 112 Appendix C, Attachment C-III or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
   Yes _____ No ___X___

4. Does the facility have a total hydrocarbon storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in 40 CFR Part 112 Appendix C, Attachment C-III or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake?
   Yes _____ No ___X___

5. Does the facility have a total hydrocarbon storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons in the last 5 years?
   Yes _____ No ___X___

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete.

Name: Todd Jesse Title: Environmental Specialist

Signature: _____ Date: 7/26/21

1.3 Location of SPCC Plan (40 CFR 112.3(e))

In accordance with 40 CFR 112.3(e), a complete copy of this Plan is maintained in the Administration Building and in the Control Room of the Mill Building. The Administration Building is accessible during regular business hours. The Mill Building is accessible at all times whenever the facility is operating.

1.4 Plan Review (40 CFR 112.3 and 112.5)

1.4.1 Changes in Facility Configuration

In accordance with 40 CFR 112.5(a), OSMI periodically reviews and evaluates this Plan for any changes in facility design, construction, operation or maintenance that materially affects the facility's spill potential, including but not limited to:

- Reconstruction, replacement or installation of piping systems;
- Construction or demolition that might alter secondary containment structures; or
- Changes of product/service, revisions to standard operation, modification of testing/inspection procedures and the use of new or modified industry standards or maintenance procedures.

Amendments to the Plan made to address changes of this nature are referred to as "technical amendments" and must be certified by a registered Professional Engineer.

Non-technical amendments can be performed and must be documented by the facility owner and/or operator. Non-technical amendments include the following:

- Change in the name or contact information (i.e. telephone numbers) of individuals responsible for implantation of this Plan; or
- Change in the name or contact information of spill response/cleanup personnel or contractors.

OSMI must make the needed technical or non-technical amendments to the Plan as soon as possible but no later than 6 months from the date of the amendment. The Site Manager is responsible for initiating and coordinating amendments to the Plan.

1.4.2 Scheduled Plan Reviews

In accordance with 40 CFR 112.5(b), OSMI reviews this Plan at least once every 5 years. Revisions to the Plan, if needed, are made within 6 months of the 5-year review. A registered Profession Engineer certifies any technical amendment to the Plan in accordance with 40 CFR 112.3(d).

1.4.3 Record of Plan Reviews

Scheduled reviews and Plan amendments are recorded in the Plan Review Log located in Appendix B. This log must be completed even if no amendment is made to the Plan as a result of the review. Unless a technical or administrative amendment prompts an earlier review, the next scheduled review of this Plan must occur by November, 2023.

1.5 Facilities, Procedures, Methods or Equipment Not Yet Fully Operational (40 CFR 112.7)

The bulk storage containers at this facility had not been used prior to installation. In this condition, the containers do not require integrity testing for 15 years. Section 4.2.6 of this Plan describes the inspection program to be implemented following a regular schedule, including the dates by which each of the bulk storage containers must be tested.

1.6 Cross-Reference with SPCC Provisions (40 CFR 112.7)

This Plan does not follow the exact order presented in 40 CFR part 112. Section headings identify, where appropriate, the relevant section(s) of the SPCC rule. Table 1.1 presents a cross-reference of the Plan sections relative to applicable parts of 40 CFR part 112.

Table 1.1 SPCC Plan Cross Reference with CFR

Provision		Plan Section	Page
112.3(d)	1.2	Professional Engineer Certification	6
112.3(e)	1.3	Location of SPCC Plan	8
112.5	1.4	Plan Review	8
112.7	1.1	Management Approval	5
112.7	1.6	Cross Reference with SPCC Provisions	9
112.7(a)(2)	3.1	Compliance With Applicable Requirements	14
112.7(a)(3)	2.1	Facility Description	11
112.7(a)(4)	3.2	Spill Reporting	14
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112.7(e)	3.6	Inspections, Tests and Record	15
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112.7(g)	3.8	Security	18
112.7(h)	3.9	Tank Truck Loading/Unloading Rack Requirements	18
112.7(h)(1)	3.9.1	Secondary Containment	18
112.7(h)(2)&(3)	3.9.2	Loading/Unloading Procedures	19
112.7(i)	3.10	Brittle Fracture Evaluation	20
112.7(j)	3.11	Conformance with Applicable State and Local Requirements	20
112.8(b)	4.1	Facility Drainage	21
112.8(c)	4.2	Bulk Storage Containers	21
112.8(c)(1)	4.2.1	Construction	21
112.8(c)(2)	4.2.2	Secondary Containment	22
112.8(c)(3)	4.2.3	Drainage of Diked Areas	22
112.8(c)(4)	4.2.4	Corrosion Protection	22
112.8(c)(5)	4.2.5	Partially Buried and Bunkered Storage Tanks	22
112.8(c)(6)	4.2.6	Inspections and Tests	22
112.8(c)(7)	4.2.7	Heating Coils	24
112.8(c)(8)	4.2.8	Overfill Prevention Systems	24
112.8(c)(9)	4.2.9	Effluent Treatment Facilities	24
112.8(c)(10)	4.2.10	Visible Discharges	25
112.8(c)(11)	4.2.11	Mobile and Portable Containers	25
112.8(d)	4.3	Transfer Operations, Pumping and In-Plant Processes	25
112.8(e)		Substantial Harm Determination	7

Part 2: General Facility Information

Name	Ouray Silver Mines Inc. - Revenue Mine
Address	1416 County Rd. 26 Ouray, CO 81427
Type	Underground Metal Mine
Date of Initial Operations	Mine construction started in early 2013
Owner/Operator	Ouray Silver Mines Inc. 1900 Main Street, Unit 1 PO Box 564 Ouray, CO 81427
Primary Contact	Todd Jesse, Environmental Specialist Work 970-325-9830 Cell 720-469-7557 Email tjesse@ouraysilvermines.com Valmar Pratico, Manager Technical Services Work 970-325-9830 Cell 970-318-6046 Email vpratico@ouraysilvermines.com

2.1 Facility description (40 CFR 112.7(a))

The SPCC Map details the surface facility layout including all hydrocarbon storage tanks that are located within these facilities. The SPCC Map also shows the direction of surface water flows and is located in Appendix B.

2.1.1 Location and Activities

The Revenue Mine is located along Ouray County Road 26 (approximately five miles southwest of Ouray, CO) at latitude 37.97400° N and longitude 107.75076° W. The site is bordered by Sneffels Creek to the north, mountains of the San Juan range to the south. The mine area has been extensively disturbed since the 1880's.

The Revenue Mine is an underground metal mine and surface facility site. The facilities are not within a 100 year floodplain.

2.1.2 Hydrocarbon Storage

Various hydrocarbon containing tanks and drums will be stored at the Revenue Mine. All of these tanks will have secondary containment either through structures directly surrounding the tanks or a portable spill pallet.

The capacities of the hydrocarbon containers present at the site are listed below. All containers with a capacity of 55 gallons or more are included. Drum quantities will vary based on consumption.

Container ID	Secondary Containment
C-1 - Tank (10,000 gal diesel, 1,000 gal unleaded) Fuel Surface – near admin building	double walled tanks
C-3 - Materials Storage Conex (55 gal drums) Various Oils/Lubricants Surface - near thickener tank	welded steel containmnet
C-4 - Waste Storage Pad (55 gal drums) Used Oil Surface – near underground maintenance shop	spill pallets
C-5 - Backup Generator (500 gal) Diesel Mobile - near mill building	double walled tank
C-6 Loci Barn Underground (55 gal drums) Rock drill oil Underground - Viginius South near decline	spill pallets
C-7 Underground Shop (55 gal drums) Various oils/Lubricants Underground - between portal and mill	spill pallets
C-8 Reagent Room (Various size tanks 12,730 gal total) Designated Chemicals (Mill Chemicals) Surface - attached to mill building	concrete floor with vertical curbs
C-9 Generator Station (10,000 gal diesel tank, 2 x 1200 gal generators) Fuel Surface – near mill building	Double walled tank

Various other tanks are associated with mobile equipment and used for the sole purpose of motive power. These tanks are not regulated under the SPCC rule. See 40 CFR 112.1(d)(2)(ii)(B).

At various times, chemicals for the milling operation will be unloaded and transported into the mill building reagent room. While these chemicals are not considered oil or fuel they are included here for the sake of environmental protection and worker safety. The Emergency Response Plan provides guidance for the storage, use, cleanup, training and reporting associated with the use of mill chemicals. The regent room has an epoxy coated floor with vertical curbs to prevent release.

2.2 Evaluation of Discharge Potential

2.2.1 Distance to Navigable Waters and Adjoining Shorelines and Flood Paths

The surface facilities are located outside of any floodplain. The containers on surface are all at least 300 feet from Sneffels Creek.

2.2.2 Hydrocarbon Discharge History

As of the date of this Plan, no hydrocarbon discharges have occurred from the mine site.

A Discharge History Log is located in Appendix B. The log records descriptions of each discharge, corrective actions taken and a plan for preventing a recurrence.

Part 3: Discharge Prevention – General Provisions

This Plan implements measures to prevent hydrocarbon discharges during handling, use or transfer of products at the facility. Employees tasked with hydrocarbon handling have received training in the proper implementation of these measures.

3.1 Compliance with Applicable Requirements (40 CFR 112.7(a)(2))

Hydrocarbon storage containers and their locations are tabulated in Table 2.1. Storage tanks are visible on all sides and have secondary containment in excess of their capacity. Drums are not refilled with product or used over a long period of time and therefore are not at risk of failure. Totes are reused and are stored within a welded steel secondary containment structure that is closed when not in use.

3.2 Spill Reporting (40 CFR 112.7(a)(4))

Upon detection of a discharge, the discharge notification form will be completed by OSMI management in conjunction with the Environmental Department and/or the General Manager. The spill will be reported to the proper notification contacts.

3.3 Potential Discharge Volumes and Direction of Flow (40 CFR 112.7(b))

The expected volume, discharge rate, direction of flow and means of secondary containment is tabulated in Table 3.1. As shown on the Plan map, all surface drainage is northward towards Sneffels Creek through Collection Ditch #3 to Sediment Pond #3. The only potential sources of discharges are contained within secondary containment and the shop and concentrator structures, thus making discharges into the surface drainage of the site highly unlikely.

Table 3.1 Potential Discharges

Event	Max. Volume (gallons)	Maximum Discharge Rate	Flow Direction	Secondary Containment
C-1 tank failure	10,000	Instantaneous	North	double wall
C-3 drum failure	55	Instantaneous	Cannot Leave Site	spill pallets
C-4 drum failure	55	Instantaneous	Cannot Leave Site	spill pallets
C-5 tank failure	500	Instantaneous	North	
C-6 drum failure	55	Instantaneous	Cannot Leave Site	spill pallets
C-7 drum failure	55	Instantaneous	Cannot Leave Site	spill pallets
C-8 tank failure	9,200	Instantaneous	Cannot Leave Site	concrete foundation and vertical curbs
C-9 tank failure	10,000	Instantaneous	North	Double wall

3.4 Containment and Diversionary Structures (40 CFR 112.7(c))

Secondary containment and capacities are shown in Table 2.1. Methods of secondary containment at this facility include a combination of structures, berms, site topography and spill response (sorbents).

Other containment in transfer locations and other parts of the facility:

- Drip pans. Fill ports for all AST's are equipped with drip pans to contain minor leakage from piping/hose connection;
- Absorbent material. Spill cleanup kits are located as shown on the Plan map. The spill kits are situated within close proximity oil/fuel storage and handling areas for rapid deployment should a spill occur; and
- Unloading Pad. The concentrator delivery/transfer area is a concrete pad sloped into the center to contain a spill should it occur.

3.5 Practicality of Secondary Containment (40 CFR 112.7(d))

OSMI management has determined that secondary containment is practicable at this facility.

3.6 Inspections, Tests and Record (40 CFR 112.7(e))

As required by the SPCC rule, OSMI performs all inspections, tests and evaluations listed in Table 3.2 which tabulates the various inspections and tests performed at the facility. The inspections are further described in this section and in the respective sections that describe various parts of the facility.

Table 3.2 Inspection and Testing Program

Facility Component	Action	Frequency/ Circumstances
Above ground container with all sides visible	Test container integrity by visual inspection. Inspect container for signs of deterioration and leakage.	Scheduled monthly/annual inspections. Following material repairs.
Container supports and foundation.	Visual inspection.	Scheduled monthly/annual inspections. Following material repairs.
Liquid level sensing devices	Test for proper functioning.	Scheduled monthly/annual inspections.
Lined berms and site berms	Visual inspection for signs of deterioration or presence of oil.	Scheduled monthly/annual inspections. Prior to draining.
Above ground piping, valves and appurtenances.	Assess general condition of components.	Scheduled monthly/annual inspections.
Buried piping None currently present	Inspect for deterioration and signs of leakage.	At installation. Whenever a section of pipe is exposed.

3.6.1 Daily Inspection

OSMI employees perform an undocumented walk-through of the facility each day during normal operations. This daily visual inspection involves:

- Tank/piping damage or leakage;
- Stained or discolored soils;
- Excessive accumulation of water in containment; and
- Damage to secondary containment.

3.6.2 Monthly Inspection

Monthly inspections are comprehensive and involve the following key elements:

- Observe the exterior of all containers, pipes and other equipment for signs of deterioration such as leaks, corrosion and thinning;
- Observe tank foundations and supports for signs of instability or settlement;
- Observe pipes, valves and appurtenances for signs of poor connection or leakage;
- Verify the proper functioning of fill level indicators and overfill prevention systems;
- Observe berms for signs of deterioration or discharges of oil;
- Check spill kit inventories; and
- Check all secondary containment for damage and indication of container leakage.

All concerns and indications of required maintenance are immediately reported to the Environmental Department. Pooled oil is removed immediately upon discovery. Repairs and other maintenance must be conducted as soon as possible. Written monthly inspection records are signed by the inspector and will be maintained in a central location for a period of 5 years.

Monthly inspections are recorded and signed by the inspector using the Fulcrum App for data collection.

3.6.3 Annual Inspection

OSMI personnel will conduct a comprehensive inspection annually that will replace a regular monthly inspection. The annual inspection is preferably conducted after a storm event. The Storm Water Management Plan also conducts inspections of the drainage control measures that complement the SPCC Plan and help prevent a discharge to Sneffels Creek.

Written monthly inspection records are signed by the inspector and will be maintained in a central location for a period of 5 years.

3.6.4 Periodic Integrity Testing

Any tank installed will receive an inspection to verify the tank is in good working order during initial filling.

The 10,000 gallon double-walled diesel tank (C-1) was installed new in 2012 and the 1,000 gallon double walled unleaded tank was installed new in 2021. For this reason, a Steel Tank

Institute (STI) Standard testing for the Inspection of Aboveground Storage Tanks, SP-001 (2005 version) will not be required until March 2027 for the 10,000 gallon tank and 2036 for the 1,000 gallon tank.

3.7 Personnel, Training and Discharge Prevention Procedures (40 CFR 112.7(f))

The Environmental Specialist is the facility designee and is responsible for hydrocarbon discharge prevention, control and response preparedness activities at this facility.

OSMI management has instructed hydrocarbon handling personnel in the operation and maintenance of pollution prevention equipment, discharge procedure protocols, applicable pollution control laws, rules and regulations, general facility operations and the content of this SPCC Plan. Any new personnel with handling responsibilities are provided with this same training prior to being involved in any operation. This is provided during initial employee induction training and training logs are kept.

Annual discharge prevention briefings are held during Annual Refresher Training for all facility personnel. Those personnel involved in operations will receive additional training that is focused on adherence to the discharge prevention measures presented in this Plan. The training will include known discharge events and maintenance conducted. During training sessions, facility operators will have the opportunity to share suggestions concerning health, safety and environmental issues encountered during facility operations.

3.8 Security (40 CFR 112.7(g))

Access to the facility is gated and locked. The site's topography acts as a natural barrier to trespassing.

3.9 Tank-Truck Loading/Unloading Rack Requirements (40 CFR 112.7(h))

All fuel products on site are supplied by mobile fuel trucks brought on site periodically. As fuel and reagents present the main potential for a discharge, OSMI management is committed to ensuring the safe transfer of these products.

3.9.1 Secondary Containment (40 CFR 112.7(h)(1))

Product delivery will be by trucks with secondary containment. There is also a collection ditch that partially protects the site from a discharge. Transfer of fuel to an AST takes place adjacent to the surface facilities. Reagent transfer from shipping containers for dilutions and use occurs entirely within secondary containment.

3.9.2 Loading/Unloading Procedures (40 CFR 112.7(h)(2)&(3))

Vehicle and site equipment filling operations are conducted by facility personnel trained in proper discharge prevention procedures. The equipment operator or other facility personnel remain with the equipment while fuel is being transferred. Transfer operations are performed according to the procedures outlined in Table 3.3. This table is posted at all loading/unloading locations.

Table 3.3 Hydrocarbon Transfer Procedures

Prior to transfer
Inspect area and position spill kit for rapid response to any discharge
Visually check all hoses for leaks and wet spots
Verify that sufficient volume is available in the receiving container
Secure the delivery vehicle with wheel chocks, interlocks and parking brake
Verify proper alignment of valves
Verify proper functioning of the pumping system
When making a connection, shut off the vehicle engine
Use a drip pan
During transfer
With Class 3 materials, shut off the vehicle engine unless required to operate a pump
Driver must remain with the vehicle at all times during transfer operation
Periodically inspect systems, hoses and connections
Keep valves and pressure relief valves on the receiving container open
Monitor the fill level in the receiving container to prevent overflow
Monitor rate of flow
When topping off, reduce flow rate to prevent overflow
Before disconnecting
Verify the transfer operation is completed
Verify hoses are drained
Close all tank and loading valves
Close all vehicle internal, external and dome cover valves
Disconnect hoses
Cap hoses and other connecting devices before moving them
Close all connections to the receiving container
Inspect area for any discharge, cleanup immediately
Return tools and spill kit to their proper locations

Table 3.4 Reagent Transfer Procedures

Prior to transfer
Inspect area and position spill kit for rapid response to any discharge
Park delivery vehicle on concrete apron outside filter building, any spill will flow to sump
Visually check for leaks and wet spots
Verify that sufficient space is available in the receiving area
Secure the delivery vehicle with wheel chocks, interlocks and parking brake
Verify proper alignment for forklift to have access
Before removing reagents, shut off the delivery vehicle engine
Use a spotter
During transfer
Keep spill kits positioned for rapid response to any discharge
Driver must remain with the vehicle at all times during transfer operation
Periodically inspect totes in transit for leaks
Use a spotter to help forklift driver identify obstacles
Forklift driver will use horn signals to indicate when it is moving

All suppliers must meet the minimum requirements and regulations for tank truck loading/unloading as established by the U.S. Department of Transportation. OSMI ensures that the vendor understands the site layout, knows the protocol for entering the facility, unloading product and has the equipment to respond to a discharge.

The Environmental Specialist or designee supervises deliveries for all new suppliers and periodically observes deliveries for existing approved suppliers.

3.10 Brittle fracture Evaluation (40 CFR 112.7(i))

There are no field constructed hydrocarbon tanks on the site.

3.11 Conformance with State and Local Applicable Requirements (40 CFR 112.7(j))

All bulk storage tanks at this facility are registered with the state and local authorities, as required, and have current certificates of registration and special permits required by the local fire code. All above ground tanks are strictly for the mining and processing operation. No off site vehicles are loaded from these tanks. For this reason, the above ground tanks do not fall under the rules of the Colorado Division of Oil and Public safety.

Part 4: Discharge Prevention – SPCC Provisions for Onshore Facilities (Excluding Production Facilities)

4.1 Facility Drainage (40 CFR 112.8(b))

The 10,000 gal Diesel Tank and 1,000 gal Unleaded Tank (C-1) are the only hydrocarbon storage structures on site that are uncovered and exposed to the weather. These are double-walled tanks and the secondary containment is not subject to a precipitation event.

If any secondary containment does contain water, only clean water may be removed. If any visible hydrocarbon is present, the contaminated water will be disposed of in an approved manner as discussed in Part 5 of this Plan.

Sheen inspections can only be conducted by Environmental Department personnel, the Safety Superintendent or the Site Manager. Contaminated water must be pumped into a labeled container with a securely fitted lid and removed by a licensed disposal company.

A log of contaminated water pumping will be maintained by the Environmental department and filed in a central location.

4.2 Bulk Storage Containers (40 CFR 112.8(c))

Table 4.1 summarizes the construction, volume and content of bulk storage containers on site.

Table 4.1 Construction Standards

Tank	Construction Standard	Capacity (gal)	Contents
C-1	Shop built double walled steel tanks	10,000 & 1,000	Diesel/unleaded
C-3	Steel drums	55	Oil/lubricants
C-4	Steel drums	55	Used oil
C-5	Shop built steel tank	500	Diesel
C-6	Steel drums	55	Oil/lubricants
C-7	Steel drums	55	Oil/lubricants
C-8	Shop built steel tanks	9,200 & smaller	Controlled chemicals
C-9	Shop built double walled steel tank	10,000	Diesel

4.2.1 Construction (40 CFR 112.8(c)(1))

All hydrocarbon and reagent tanks at this facility are constructed of steel in accordance with industry specifications. The design and construction of all bulk storage containers are compatible with the characteristics of the product they contain and with pressure and temperature conditions.

4.2.2 Secondary Containment (40 CFR 112.8(c)(2))

Secondary containments provide at least 110% of tank capacity. These containments must be maintained in good condition and evaluated monthly as recorded by the monthly inspections.

4.2.3 Drainage of Diked Areas (40 CFR 112.8(c)(3))

The two main mill tunnels are graded to drain to a central sump, so that any chemical spill that could possibly occur would never enter the mine water discharge and consequently, the site discharge. This central sump has a capacity of 3000 gallons, which is far more than any of the chemical tanks that will be stored in the mill area. The sump is pumped back to the process water tanks for reuse under the direct supervision of site personnel. Any accumulated water is observed for sign of oil prior to pumping. In the case of small quantities of liquid absorbents can be used.

Any contaminated water must be disposed of in an approved manner as discussed in Part 5 of this Plan. Contaminated water must be pumped into a labeled container with a securely fitted lid and removed by a licensed disposal company or returned to process water tanks. There is no discharge to the environment.

A log of contaminated water pumping will be maintained by the Environmental Department and filed in a central location.

4.2.4 Corrosion Protection (40 CFR 112.8(c)(4))

No underground hydrocarbon storage tanks are present on site and all above ground tanks are elevated, therefore no cathodic protection is required.

4.2.5 Partially Buried and Bunkered Storage Tanks (40 CFR 112.8(c)(5))

This section is not applicable as there are no partially buried or bunkered storage present on site.

4.2.6 Inspections and Tests (40 CFR 112.8(c)(6))

Visual inspections of AST's by facility personnel are conducted according to the procedure described in this Plan. Required maintenance noted during inspections is conducted promptly.

The scope and schedule of certified inspections and tests conducted on the facility's AST's are specified in STI Standard SP-001. The external inspection includes ultrasonic testing of the shell, as specified in the standard or if recommended by the certified tank inspector, to assess the integrity of the tank for continued oil storage.

Recommendations for integrity testing are based on:

- Knowledge of the tank history;
- The fact that all tanks are shop constructed;
- Past tank performance;
- The visible condition of the tank; and
- The quality and volume of secondary containment.

Inspections are signed by the inspector. Inspections and certified inspections and tests are filed in a central location and maintained for at least 5 years.

Table 4.2 summarizes inspections and tests to be conducted on bulk storage containers. An environmentally equivalent measure is implemented in place of the external inspection as per STI Standard SP-001.

Table 4.2 Scope and Frequency of Inspections and Tests

Inspection/Test	C-1	C-3	C-5	C-8
Visual inspection by facility personnel Per Section 3.7	Monthly Annual	Monthly Annual	Monthly Annual	Monthly Annual
External inspection by certified inspector * Per STI Standard SP-001	EE	NA	NA	NA
Internal inspection by certified inspector ** Per STI Standard SP-001	March 2027	NA	NA	NA

EE Refer to Table 4.3. Not required until 2027 given use of environmentally equivalent measure.

* Internal inspection may be recommended based on findings of the external inspection.

** or earlier, as recommended by certified inspector.

Rationale for the external shell testing of tanks is tabulated in Table 4.3. Ultrasonic shell testing will be conducted by a qualified person in accordance to the protocol described in Appendix D. This will establish the baseline condition for the 2027 internal inspection of tank C-1.

Test reports will be filed in a central location. Results of the testing will determine either if tanks are placed out of service or a new test period will be established.

Table 4.3 Rationale For PE Determination of Tank Shell Testing Per STI SP-001

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Container	C-1	C-3	C-4	C-5	C-6	C-7	C-8
Capacity (gal)	10,000 & 1000	55	55	500	55	55	Multiple tanks 9,200 & smaller
Contents	Diesel	Oil/Lubricant	Used Oil	Diesel	Oil/Lubricant	Oil/Lubricant	Mill Chemicals
Shop constructed?	Yes	Drum	Drum	Yes	Drum	Drum	Yes
Year placed in service	2012	not refilled	not refilled	2012	not refilled	not refilled	2021
Years in service	6	N/A	N/A	6	N/A	N/A	0
Past leaks or other problems	No	No	No	No	No	No	No
All sides visible?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Visual Condition	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Secondary Containment Volume	double wall 110%	spill pallet 110%	spill pallet 110%	none	spill pallet 110%	spill pallet 110%	Building Containment 220%
Leak Detection	Yes	No	No	No	No	No	No
Visual Inspection	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Required Shell Test	Mar 2027	N/A	N/A	Mar 2027	N/A	N/A	N/A

4.2.7 Heating Coils (40 CFR 112.8(c)(7))

No permanent heating coils exist on any tank at this site. Several 55 gallon drum element heaters are present on site and used as needed.

4.2.8 Overfill Prevention Systems (40 CFR 112.8(c)(8))

Secondary containment is provided in the event of overfills. Storage drums are not refilled with new product and therefore overfill prevention systems do not apply.

4.2.9 Effluent Treatment Facilities (40 CFR 112.8(c)(9))

The facilities stormwater is directed to the passive water treatment system at the main site. At the Atlas Tailing Storage Facility stormwater reports to a sediment settling ponds and due to the secondary containment provided, there are no effluent treatment facilities at the current time.

4.2.10 Visible Discharges (40 CFR 112.8(c)(10))

Any indication of leakage from any container or appurtenance including seams, gaskets, piping, pumps, valves, rivets or bolts will result in maintenance corrections conducted promptly.

Spills of hydrocarbons or designated chemicals found within containment and diversion structures will be promptly removed and disposed of in accordance with the waste disposal described in Part 5 of this Plan.

4.2.11 Mobile and Portable Containers (40 CFR 112.8(c)(11))

Small hydrocarbon storage containers such as 55 gallon drums are stored in the the Materials Storage Conex (C-3), the Waste Storage Pad (C-4), the Loci Barn Underground (C-6), and the Underground Shop (C-7) on spill pallets.

The Backup Generator (C-5) while mobile, will only operate at its current location and as needed during a power outage.

4.3 Transfer Operations, Pumping and In-Plant Processes (40 CFR 112.8(d))

Transfer operations at this facility include:

- Transfer of reagents
- Filling of the 1,000 gallon Unleaded Tank (C-1)
- Filling of the 10,000 gallon Diesel Tank (C-1); and
- Filling of mobile equipment.

Buried piping related to hydrocarbon storage does not exist at this facility. All above ground piping and valves are inspected monthly which also includes appurtenances, expansion joints, valves, catch pans and pipeline supports. Observations are recorded during the monthly inspections.

Most above ground piping is located within areas that are not accessible to vehicular traffic. Warning signs are posted at appropriate locations to prevent vehicles from damaging above ground piping and appurtenances.

Part 5: Discharge Response (40 CFR 112.7(a)(5))

This section describes the response and cleanup procedures in the event of a hydrocarbon discharge. The uncontrolled discharge of hydrocarbon to ground water and surface water is prohibited by state and federal laws. Immediate action must be taken to control, contain and recover discharged product. Depending on the volume and characteristics of the material release, the operator has a defined spill response role as either "Minor" or "Major" spill response.

Discharge response and reporting applies to all areas of the Revenue Mine, including underground.

5.1 Minor Spill Response

A 'Minor" discharge is defined as one outside of secondary containment not affecting ground water or surface water and can be safely controlled or cleaned up by site personnel.

If the spill is less than 10 gallons, not affecting ground water or surface water, prevent further material from being spilled. When the spill is contained, notify the Environmental Specialist and Site Manager.

If greater than 10 gallons and not affecting ground water or surface water, then notify the Site Manager and/or other Senior Management who will notify the CDPHE Office of Emergency Preparedness and Response.

The EPA National Response Center will be notified if a spill of any size reaches ground water or surface water or adjoining shorelines.

The Site Manager or designee will complete the OSMI Spill Notification/Documentation Form (Minor Spill) and notify the Environmental Department and Senior Management.

5.2 Major Spill Response

Due to the secondary containment of hydrocarbon and reagent tanks on site and Collection Ditch #3 draining to Sediment Pond #3, the possibility of a major discharge to Sneffels Creek is very unlikely. However, the possibility is addressed below.

A 'Major" discharge is defined as one that cannot be safely controlled or cleaned up by site personnel, such as when the discharge:

- Is large enough to spread beyond the immediate discharge point;
- Material enters or mixes with water;
- Requires special equipment or training to clean up;
- Material poses a hazard to human health or safety; or
- There is a danger of fire or explosion.

In the event a major discharge the following guidelines apply.

If the Environmental Specialist or Site Manager is not present at the facility, the next senior on-site person notifies the Environmental Specialist or Site Manager and has authority to initiate notification and response and assumes responsibility for coordinating response activities.

Evaluate the safety hazard and call 911 if there is risk of fire or explosion, then evacuate the area.

Call 911 for medical assistance if personnel are injured.

A discharge that threatens Sneffels Creek requires notification to downstream user such as the City of Ouray.

Contact the CDPHE Office of Emergency Preparedness and Response (877) 518-5608 and EPA National Response Center (800) 424-8802.

The Site Manager or senior on-site person must call the spill response and cleanup contractors listed in the Emergency Contacts List.

The Site Manager or senior on-site person will complete the OSMI Spill Notification/Documentation Form (Major Spill).

5.3 Waste Disposal

Wastes resulting from a minor spill response will be containerized in impervious bags, drums or buckets. Materials that are reactive with each other will not be containerized together i.e., no oxidizers and organics together. The waste will be removed from the site by a licensed waste hauler within one month.

Wastes resulting from a major spill response will be removed and disposed of by a cleanup contractor.

5.4 Spill Documentation and Notification

If a spill occurs, the appropriate Spill Notification Form will be completed. Take photos of the spill and how it is contained. The Environmental Department will file the form in a central location in the Environmental Office.

Any spill that affects or threatens to affect Sneffels Creek or adjoining shorelines must be reported immediately to the EPA National Response Center

The person reporting the discharge must provide the following information:

- Name, location, organization and telephone number;
- Date and time of the incident;
- Location of the incident;
- Source and cause of the release or discharge;
- Types of material(s) released or discharged;
- Quantity of material(s) released or discharged;
- Danger or threat posed by the release or discharge;
- Number and types of injuries (if any);
- Media affected or threatened by the discharge (land/air/water);
- Weather conditions at the incident location; and
- Any other information that may help emergency personnel respond to the incident.