PORT OF BROOKINGS HARBOR

Special Commissioner Meeting 16350 Lower Harbor Rd Suite 202 Wednesday, September 9, 2020 • 2:00pm Teleconference / Meeting Room (Limited Space)

Teleconference Call-In Number: 1 (301) 715-8592

Meeting ID: 867 1544 1761 Participant ID: #

(to mute/unmute: * 6)

When calling in, please announce your arrival and state your name when you join the meeting.

TENTATIVE AGENDA

1	CALL	MEETING	TO	ORDER
J.	VALL	MINISTRA	$\mathbf{I}\mathbf{V}$	OINDEIN

- Roll Call
- Modifications, Additions, and Changes to the Agenda
- Declaration of Potential Conflicts of Interest

2. APPROVAL OF AGENDA

3. PUBLIC COMMENTS (Limited to a maximum of three minutes per person. Please email your comments to <u>danielle@portofbrookingsharbor.com</u> prior to the meeting. ***Please <u>wait to be called on</u> before speaking***)

4.	ACTION ITEMS A. New Port Office – COVID-19 Compliance	Page
	B. Zola's Demolition Project Contractor Selection	
5.	INFORMATION ITEMS A. Dredge Spoil Information from Jack Akin/EMC Engineers	50
6.	COMMISSIONER COMMENTS	
7.	NEXT REGULAR MEETING DATE – Tuesday, September 15, 2020 at 6:00pm	
8.	ADJOURNMENT	

A request for an interpreter for the hearing impaired, for those who want to participate but do not have access to a telephone, or for other accommodations for persons with disabilities should be made at least 48 hours in advance of the meeting to Port of Brookings Harbor Office at 541-469-2218.

ACTION ITEM - A

DATE:

September 9, 2020

RE:

New Port Office - COVID-19

TO:

Honorable Board President and Harbor District Board Members

ISSUED BY:

Gary Dehlinger, Port Manager

<u>OVERVIEW</u>

 New Office proposal was introduced to the Board at a Special Commissioner Meeting September 3, 2020. Commissioners had some questions about installing a composite roof on a metal building, Hardie siding for a metal building, warranty issues on metal building close to the ocean and recovery timeframe if material arrived damaged.

Composite Roof

- Installing a composite roof on a metal building can be done. Rhino Steel Building Systems would redesign the structure for the extra load (weight) from a composite roof at additional engineering and steel increase. The composite roof would be a third party cost that Rhino Steel Building would not cover.
 - \$8,964 to \$12,744 composite roof average cost for purchase and install for 2,400 square foot roof.

Hardie Siding

- Hardie siding can be installed on a Rhino Steel Building Systems with minimal engineering or steel changes. The Hardie siding would be a third party cost that Rhino Steel Building would not cover.
 - \$10 per square foot is the average cost of Hardie siding to install.
 - New building has approximately 2,480 square feet of siding.
 - o Framing not included and would be additional cost.

Metal Building Warranty

- Rhino Steel Building Systems standard warranty includes (regardless of location):
 - Lifetime Structural
 - o 25 years on all silicon polyester roof and wall panels from chalking or fading.
 - o 40 years on all Kynar roof and wall panels from chalking or fading.

Damage Materials from Freight or other Material Issues

- Rhino Steel Building Systems would ship out any damage or other material issues within 24 hours.
- The new Port Office will require the contractor to work with Port Staff to design-build the
 office interior within the metal building footprint following all the building and safety
 codes. The Port may need to purchase materials before contractor selection to make
 sure materials are ready.

Estimated Construction Schedule - Expense

Metal Building - \$10,000

- o September 9, 2020, Board Approval
- o September 10, 2020, Procure and Place Order for Metal Building

- October 1, 2020, Receive Engineered Drawings for Metal Building (3 weeks)
- November 26, 2020, Delivery of Metal Building (8 Weeks)

Building Permits - \$7,000

o October 1, 2020 thru November 2, 2020

Contractor Selection and Material Orders - \$102,500

- o September 25, 2020, Advertise for RFP
- o October 12, 2020, Select Contractor

Site and Building Construction - \$80,500

- o November 2, 2020, Site Preparation
- o November 30, 2020, Metal Building Erection
- o December 7, 2020 thru December 30, 2020, Office and Site Work
- Note: Paving was not factored in with the cost estimate, but funds could come from the contingency line item. Estimated 10,000 to 20,000 square foot of paving could be necessary.
- Undertaking this project would be risky to complete before the end of the year. Finding a contractor and permitting could be cause some delays. Staff has listed some alternative options for consideration:
 - Remodel the existing office
 - o Rent out office space somewhere else
 - Work from home
 - Buy materials now and find a contractor later to install

DOCUMENTS

- Staff Estimated Construction Costs, 1 page
- Google search on cost of Composite Roofs, 3 pages
- Google search on Hardie installation costs, 7 pages
- Google search on Kynar metal roofs, 2 pages
- Rhino Steel Building Systems Quote with Composite Roof & Hardie Siding, 13 pages
- Rhino Steel Building Systems Quote with Composite Roof & Wainscot Wall, 13 pages
- Rhino Steel Building Systems color chart, 1 page

COMMISSIONERS ACTION

• Recommended Motion:

Discuss options on how to proceed.

Port of Brookings Harbor

Item # Item	Description	Quantity Unit Measure	Unit Price	Estimated Cost
1 Steel Building	40'x60' Building	1 Each	28,000.00	28,000.00
Add Steel Building	Engineering and Steel Increase for Composite Roof	1 Lump Sum	200.00	500.00
2 Concrete	40'x60' concrete slab & sidewalks	95 Cubic Yard	180.00	17,100.00
3 Steel Building	Erection	1 Each	10,000.00	10,000.00
Add Roofing	Composite Roof	2400 SF	4.50	10,800.00
Add Hardie Siding	Hardie Siding Material and Install	2480 SF	10.00	24,800.00
4 Office Rooms	Drywall, Insulation, Electrical, Carpet, Lighting, Doors, Windows, etc	10 Each	3,500.00	35,000.00
5 Common Space	Drywall, Insulation, Electrical, Carpet, Lighting, Doors, Windows, etc	1 Each	5,000.00	5,000.00
6 Heating & Air Cond.	Heating & air conditioning unit with ducting	1 Each	25,000.00	25,000.00
7 Bathroom	ADA restroom with toilet and sink	2 Each	4,000.00	8,000.00
8 Sewer System	Holding tank, pump and line to main sewer	1 Each	15,000.00	15,000.00
9 Water	Water meter and plumbing	1 Each	5,000.00	5,000.00
10 Power	Electrical meter and panel	1 Each	5,000.00	5,000.00
11 Permits	County, Sewer, Water, Power & SHPO	1. Each	15,000.00	15,000.00
	Original Estimated Sub Total			168,100.00
	Revised Estimated Sub Total			204,200.00
12 Contingency	Unknown costs or change orders	1 Each	30,000.00	30,000.00
Contingency	Unknown costs or change orders	1 Each	(4,200.00)	(4,200.00)
	Original Estimated Total			198,100.00

200,000.00

Revised Estimated Total

how much does it cost to install a composite roof

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Cost of Composition Roof

Composition Roof Costs Zip Code Sq. ft.

Basic Better

Installation Cost \$220.00 - \$240.00 \$265.00 - \$280.00

Total \$385.00 - \$415.00 \$455.00 - \$490.00

Composition Roof – Total
Average Cost per square foot \$4.00 \$4.72

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**:

about 20 years

Homeowners with wood shake roofs should expect them to last **about 30 years**, while fiber cement shingles last **about 25 years** and asphalt shingle/composition roofs last **about 20 years**, the NAHB found. May 24, 2019

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National Average: \$8,014

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Typical Range: \$5,346 - \$10,793

Roof Cost Calculator · Cost to Reroof a House · Cost Comparison by Material

howmuch.net > costs > composite-roofing-installation ▼

How much does it cost to have composite roofing installed?

Average cost to have composite roofing installed is about \$5320 (2000 sq.ft. roof). Find here detailed information about composite roofing costs.

www.remodelingexpense.com > costs > cost-of-compos... 💌

Cost of Composite Shingle Roof - Calculate 2020 Prices Now

Don't let your **roofing** budget go over-board by hidden surprises – understand **what** the 2020 **average installed costs for Composite** Shingle **Roof is** in your zip ...

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Cost of Composition Roof

Don't let your roofing budget go over-board by hidden surprises – understand what the 2020 average installed costs for Composition Roof is in your zip code by using our handy calculator.

As an experienced licensed roofing contractor, I know first hand what it should cost for various levels — from Basic, Better, and of course the best. This Composition Roof cost estimator will provide you with up to date pricing for your area. Simply enter your zip code and the square footage, next click update and you will see a breakdown on what it should cost to have a Composition Roof installed onto your home

View Ratings and Reviews. Plus Free Estir From Top Local Roofing Pros.

COMPOSITION ROOF COSTS	ZIP CODE 97415	SQ. FT.	Update
	Basic	Better	Best
Material Prices	\$3564.00 -	\$4104.00 -	\$4752.00 -
	\$3780.00	\$4536.00	\$5400.00
Installation Cost	\$4752.00 -	\$5724.00 -	\$6480.00 -
	\$5184.00	\$6048.00	\$7344.00
Total	\$8316.00 -	\$9828.00 -	\$11232.00 -
	\$8964.00	\$10584.00	\$12744.0 7

how much does it cost to install Hardie siding

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On average Hardie board siding costs \$10 per square foot.

For a 1,200 square foot exterior wall it **would cost** around \$12,000 to **install**. However, it may be the last **siding** you **install** on the home in your lifetime, so it's a smart choice for nearly any homeowner.



modernize.com > ... → Best Vinyl Siding Brands ▼

How Much Does Hardie Board Siding Cost? - Modernize

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What is the labor cost to install Hardie siding?

On average, you can expect to pay anywhere from 7.50 to 13.50 per square foot or 750 to 1.350 per square to install fiber cement siding on a typical house. A square is equal to 100 square feet. Jan 3, 2020

www.roofingcalc.com > fiber-cement-siding-cost

Fiber Cement Siding Cost 2020: HardiePlank Installation Cost per ...

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How much does it cost to side a house with Hardie board?

Does Hardie siding add value?

How much does it cost to side a 3000 sq ft house?

Do termites eat Hardie board?

Is Hardie board siding expensive?

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Cost to Install Fiber Cement Siding - 2020 Cost Calculator ...

The **cost to Install** Fiber Cement **Siding** starts at \$6.36 - \$10.72 per square foot, but ... See typical tasks and time to **install** fiber cement **siding**, along with per unit **costs** and material requirements. ... **Average Cost** per Square Foot, \$6.37, \$10.74 ...

www.remodelingcalculator.org > hardie-siding-prices

Hardie Siding Cost | Estimate Prices for Hardie Board ...

Average Hardie Board siding cost. Hardie siding costs \$7 to 13 per square foot installed. This price ...

Jan 15, 2020 - Uploaded by Remodel Calculator

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Fiber Cement Siding Cost 2020: HardiePlank Installation Cost ...

Jan 3, 2020 - On $\mbox{average}$, you can expect to pay anywhere from \$7.50 to \$13.50 per square foot

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How Much Does It Cost To Install Fiber Cement Siding?

Jump to All About Hardie Board Siding - The cost of Hardie board averages \$3.00 to \$4.00 a square foot. This is just for the material. Professionally installed, the price increases to \$5.00 to \$12.00 a square foot. This is because the cost of labor varies from area to area.

National Average: \$12,605

Low End - High End: \$1,500 - \$35,000

Typical Range: \$6,008 - \$19,687

Fiber Cement Siding Prices · Installing Fiber Cement ... · Fiber Cement Siding ...

porch.com > project-cost > cost-to-install-fiber-cement-... *

How Much Does It Cost To Install Fiber Cement Siding? - Porch

For your project in zip code 98102 with these options, the cost to install fiber cement siding starts at \$5.94-\$10.08 per square foot. Your actual price will depend ...

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Cost of Hardiplank Siding - Calculate 2020 Prices Now..

Use our simple siding calculator to figure what the average cost of hardiplank siding is in your local area with materials, labor and installation prices. ... http:// www.jameshardie.com/pdf/install/hardieplank-hz5.pdf. 624 people found this helpful.

sidinggroup.com → Our Blog ▼

How Much Does James Hardie Siding Cost to Install?

Jan 11, 2017 - Assuming you live in or around Chicago, for example, you can expect fiber cement siding to cost between \$17 and \$24 per square foot of your ...

www.progressivefoam.com > fiber-cement-siding-cost *

Fiber Cement Siding Cost: A guide to Pricing, Estimates and ROI

Apr 7, 2020 - Keep in mind these costs do not include routine maintenance. Fiber cement requires regular caulking and repainting to protect the siding.

www.fixr.com > Outdoor Cost Guides > Siding > Siding .

Cost to Install Fiber-Cement Siding - Estimates and Prices at Fixr Jul 7, 2016 - Average cost to install fiber-cement siding is about \$2000-\$3000 (12 'x 16' addition). Find here detailed information about fiber-cement siding ...

Searches related to how much does it cost to install Hardie siding

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How Much Does Hardie Board Siding Cost to Install?

AVERAGE COST:

\$1,200 - \$9,000

Low End \$1,200 Average \$5,100 High End \$9,000

Hardie board siding costs anywhere from \$0.80 to \$6.00 per square foot material installed on a home. If you were to replace an average size home with 1,500 square ft of materials you could expect to pay anywhere from \$1,200 to \$9,000 in replacement costs. Insert your zip below to get free local quotes. Installation costs will vary based on the design and size of your home, local labor rates, old siding removal costs and if you are doing a full or partial siding replacement.

Get free quotes from local installers:

Enter ZIP code

MODERNIZE > SIDING INSTALLATION > SIDING TYPES > HARDIE BOARD SIDING

Table of Contents ∨

If you are looking to drastically overhaul the appearance of your home without breaking the bank, Hardie board siding installation is a cost-effective way to transform the appearance of your home. Hardiplank siding is sometimes called cement siding as well, but originated from James Hardie giving it its common name.

Whether you want to create the look of cedar shingles, natural stone siding, or clapboard siding, Hardie board siding has a solution for you at a **more moderate cost and improved durability** versus the "real thing." New siding installation can be one of the best mid-sized remodeling projects in which you can invest. Hardie board siding can have up to an **84% return on investment** for your home's overall resale value. If the costs to install new home siding are affordable for your budget, it can be a great home improvement job to take on.

TALK TO CONTRACTORS



Hardie Board Siding Benefits

U

There are a lot of things to like about Hardie board fiber cement home siding. It's a product that you can expect to last the lifetime of your home with relatively low maintenance. It's also attractive and

available in a wide variety of colors and textures to meet your home decor needs. The average cost of installation (\$8-\$12 per installed square foot) may be more than other popular options like new vinyl home siding or wood siding installation, but the long term durability of the product is worth the price. Additional benefits include:

- Fire Resistance Hardie board siding is 90% sand and cement which makes it exceptionally
 resistant to fire damage. You may even be able to get a discount on your home insurance
 premiums for installing Hardie board siding.
- Weather Resistant If you live in an area that experiences frequent storms that include hail and high winds, Hardie board siding is proven to stand up to even the worst storms without sustaining damage.
- Hardie Board Lifespan Verify with your local siding installer, but most Hardie board siding comes with a **50 year, limited transferable warranty.** Hardie board siding is completely rot and insect resistant and can even handle salt spray from the ocean for coastal homes.
- Appearance Hardie board siding can be made to convincingly mimic just about any other siding material including wood lap boards, cedar shingles, and wood shake siding. Color options are virtually unlimited and while almost all siding no matter what the type will experience fading, Hardie board siding typically comes with a 10-15 year warranty on the finish as well.

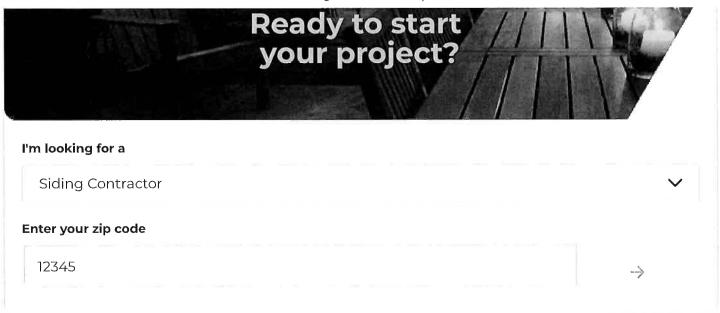
Hardie Board Siding Cons

The two biggest **drawbacks** of Hardie board siding are the **cost and the weight**, and the two actually go hand-in-hand. The high installation and labor cost can come from the weight of Hardie board. It requires professional installation, definitely not a DIY project, as it weighs about **300 pounds (per 100 square feet)** compared to 60-70 pounds for vinyl siding and requires significantly more resources to install than other siding materials. Your siding contractor will most likely need **multiple people to help install** it properly and anytime a new home siding type is heavier in weight, there are often higher costs to obtain the material because of the **costs of shipping** and moving it to your home site to install. It could cost the contractor additional resources to make sure they can install it properly such as lifts, and other resources – leading to a **higher cost for labor and installation**.

Hardiewrap Siding Add On

To decrease your own environmental footprint, not to mention save money on your monthly utility bills, you can also add HardieWrap weather barrier to your home siding installation. HardieWrap serves as both a water resistive barrier and as an air barrier. It is installed over the sheathing, beneath the exterior siding (cladding) to reduce water infiltration and air infiltration, while allowing potentially damaging water to escape from the building interior.

12



Is Hardie Board Siding Eco-Friendly?

Compared to the most common types of siding (vinyl, wood, aluminum home siding), **Hardie board is a very environmentally sustainable** choice because it last the lifetime of your home. Thus, you will not have to send waste to the landfill from having to install new siding every ten years. Additionally, Hardie Board is a brand that is committed to sustainability. They source 90% of their materials from regional suppliers, reducing carbon dioxide emissions from long-haul transportation to production facilities. Hardie board manufacturers also employ waste minimization and solid waste recycling technologies to support Zero to Landfill initiatives.

Hardie Board Siding Maintenance Tips

Cleaning and maintaining the siding exterior of your home is key to preserving the beauty and durability of Hardie board siding. The extent and nature of maintenance will depend on the geographic location of your home and exposure of the building. Normal care and maintenance includes:

- Washing down the exterior surfaces every 6 to 12 months with a garden hose or low pressure
 water spray to remove dirt and debris. For stubborn dirt or stains, a mild detergent and a soft
 brush may be used.
- Clean out your gutters, blocked pipes, and overflows as required.
- Reapply caulking when it has begun to show signs of wear. This can help keep moisture from
 getting into the wall cavity. James Hardie recommends the use of caulks and sealants that
 remain permanently flexible. Look for the words "permanently flexible" written clearly on the
 label or in the accompanying literature.

• It is a good practice to keep vegetation such as shrubs, bushes, and small trees trimmed back and away from the home and siding. This will also help to ensure that sprinkler systems do not saturate areas near the building.

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What is Kynar metal?

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www.metcoat.com > pvdf-kynar-coatings

PVDF Kynar® Coating | Metal Coatings

Search for: What is Kynar metal?

Is Kynar worth the cost?

Kynar® is an Investment grade metal roofing options, due to higher price point. Though Kynar® may seem expensive at first, the amount of money that it will end up saving you in paint jobs, cleanings, and replacement is well worth it. Kynar® is a softer paint, which has the potential to scratch easier. ... Jan 2, 2020

1stcoastmrs.com > pros-cons-kynar

The Pros and Cons of Kynar® - 1st Coast Metal Roofing Supply

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Which color metal roof is best?

What are the disadvantages of a metal roof?

Disadvantages of metal roofs

- Affordability. Metal roofs can be as much as two or three times more expensive than other roofing materials. ...
- Noisiness. Metal roofs can be noisy, especially during a heavy rain or hailstorm. ...
- · Expansion and contraction. ...
- · Inconsistency of color match. ...
- · Performance.

www.statefarm.com > simple-insights > residence > metal-...

Pros and Cons of Metal Roofs for Your Home - State Farm®

Search for: What are the disadvantages of a metal roof?

Can you paint over Kynar 500?

Does a black metal roof fade?

Is Kynar powder coat?

How do you coat a metal roof?

Is it OK to put a metal roof over shingles?

Does a metal roof affect cell phone signal?

Does a metal roof need gutters?

Does a metal roof affect WIFI?

Do you need a lightning rod on a metal roof?

Does a metal roof need ventilation?

Venture of the proof of the phone signal?

Can you walk on a metal roof?

Feedback

www.kynar500.com > component-manufacturers > met... *

Kynar 500® component manufacturers - metal roofing

These **metal roofing** component manufacturers have chosen **Kynar** $500^{\$}$ resin based coating for use in their roofing solutions due to its durability as well as its ...

www.kynar500.com > sustainability > cool-metal-roofing

Kynar 500® cool roofing - metal coatings

Cool metal roofs coated with Kynar 500® PVDF based resins can reduce energy consumption by up to 40% as part of a total system design.

1stcoastmrs.com > pros-cons-kynar ▼

The Pros and Cons of Kynar® - 1st Coast Metal Roofing Supply

Jan 2, 2020 - **Kynar**® is made up of mostly carbon/fluoride bonds, one of the strongest known chemical bonds. This is similar in structure to Teflon TM , the non-...

www.bestbuymetals.com > ... > Metal Roof Color Options 💌

Kynar 500® / Hylar 5000® - PVDF Metal Roofing Finishes ...

Oct 14, 2019 - Kynar 500® / Hylar 5000® - PVDF Metal Roofing Finishes. PVDF Metal Roof Coatings. For over 50 years, PVDF (polyvinylidene fluoride) has ...



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Width:	40	Bldg Code:	OSSC-2019	Live Load:	20	Wall Color:	Choice of Colors
Length:	60	Collateral Load:	1	Bay Spacing:	20	Roof Color:	Choice of Colors
Eave Ht:	12	Wind Load:	110/EXP C	# Bays:	3	Trim Color:	Choice of Colors
Roof Pitch */12:	4.0	Ground Snow:	29G//20R	Girt Condition:	Flush	Column:	Straight
dipen contri			ACCES	SORIES			
Walk Doors:	2 - 3'x7', Sc	olid, Lever Lock an	d Key, Insula	ted, Self Framing	_		Included
Framed Openings:	1 - 6070 w	ith Full Cover Trim	-Door not pi	rovided by Rhino			included
Windows:	By others						
Gutters & Downs:	Gutters an	d Downspouts on	Both Sidewa	ılls*Northern Gut	ter System		Included
Sky/Wall Lights:	3'x11' Wal	I/Sky Light W/Girt	to Girt Fram	ing(\$250 Each)			Option
Door Canopies	4'x4' or 4'x	7' Door Canopy Ki	t(\$656/\$108	32)			Option
Vents:	9"x10' Gal	valume Ridge Ven	ts with Dam	oer, Screen and Cl	nain(\$578 E	ACH)	Option
Insulation:	All Bldg - 6" R-:	19, WMP-50 Backing(Pol	propylene Facin	g/Metallized Polyester B	acking-\$4708.07	")	Option
Overhead Doors:	By others						
Notes:	Clear Span	, Base Channel an	d Trim				Included
	Wa	lls removed/span	drels all wal	ls/brittle wall and	d ceiling dej	flections	Included

RHINO STEEL BUILDINGS - STANDARD FEATURES and BENEFITS

*****LIFETIME STRUCTURAL WARRANTY*****25 years on all silicon polyester roof and wall panels from chalking or fading. 40 years on all Kynar roof and wall panels from chalking or fading.

26 Gauge PBR Panels - Rhino Standard PBR for roof and wall panels feature extra overlap for increased strength and water resistance.

Base Trim – A colored steel edge that the wall panel rests on resulting in two major benefits: eliminates the need for concrete sheet notch and prevents panels from resting on concrete which may later cause rusting. Full Cover Trim – added to all framed openings to enhance looks and resulting in more finished look. Weather Proofing - At base, eave and rake. Another standard feature that includes closures strips, mastic, and flashing to ensure a weather tight building.

Price includes - 3 sets of engineer stamped drawings and anchor bolt plans.

Freight	Included
Sales Tax (If Applicable):	Not Included
Total Building Price	\$ 25,707.77

- * 25% Deposit Required w/ Order
- * Remaining Balance Due C.O.D.
- * Anchor bolts are not included.
- *Price is Valid for 15 days

^{*}Customer is responsible for confirming loads with local authority.*

ERECTION NOTES

- 1. All bracing shown and provided by Rhino for this building is required and shall be installed by the erector as a permanent part of the structure ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.10).
- Temporary supports, such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined and furnished by the erector ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.10.3).
- 3. Normal erection operations include the correction of minor misfits by moderate amounts of reaming, chipping, or cutting and the drawing of elements into line through use of drift pins. Errors which require major changes in the member configuration are to be reported immediately to Rhino by the 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 ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.14).
- 4. Erection tolerances are set forth in AISC Code of Standard Practice 7.13 except that individual members are considered plumb, level and aligned if the deviation does not exceed 1:500. Variations in finished overall dimensions of structural steel framing are deemed within the limits of good practice when they do not exceed the cumulative effect of rolling, fabricating, and erection tolerances.
- 4.1. When crane support systems are part of the metal building system erection tolerances Section 6.8, Common Industry Practices, 2012 MBMA Metal Building Systems Manual shall apply. To achieve the required tolerances grouting of the columns and shimming of the runway beams may be required. The customer shall provide grout if required. The contractor erecting the runway beams is responsible for shimming, plumbing, and leveling of the runway system.
- When aligning the runway beams the alignment shall be with respect to the beam webs so that the center of the aligned rail is over the runway web.

 5. As a general rule field welding is not used to assemble a metal building system. In cases where the drawings indicate field welding and in cases where
- approved corrections are to be made by field welding the following requirements shall be met: 5.1. Welders must be qualified by an independent testing agency, with suitable documentation to AWS D1.1 Structural Welding Code - Steel or AWS D1.3 Structural Welding Code - Sheet Steel as applicable, for the processes, positions, and materials involved.
- 5.2. All welds must be made in conformance to a documented and approved Welding Procedure Specification (WPS). All joints which are not prequalified must be supported by a certified Procedure Qualification Record (PQR) by an independent testing agency.
- 6. All documentation and records shall be the responsibility of the customer.
- 7. Any claims or shortages by buyer must be made to Rhino within seven (7) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed. All claims should be directed to Rhino Steel Buildings Customer Service Department.
- 8. Claims for correction of alleged misfits will be disallowed unless Rhino shall have received prior notice thereof and allowed reasonable inspection of such misfits. Ordinary inaccuracies of shop work shall not be construed as misfits. No part of the building may be returned or charges assessed for alleged misfits without prior approval from Rhino.
- 9. Neither Rhino nor the customer will cut, drill or otherwise alter their 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 customer is responsible for furnishing complete information as to materials size, location, and number of alterations prior to preparation of shop drawings ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual;
- 10. Rhino Steel Buildings Field Modifications Policy:
- 10.1. Rhino will only be responsible for the field-modified parts designed and approved by the Rhino Engineering Department.
- 10.2. Any field modifications designed by third parties may not be approved by Rhino and may limit Rhino's warranty and liability.
- 10.3. Rhino makes no warranty and hereby disclaims any responsibility with respect to the design, engineering, or construction of any field-modified parts performed by third parties.
- 11. WARNING SOME PANELS AND TRIM PARTS ARE FURNISHED WITH A PROTECTIVE PEEL-OFF FILM. PARTS PROVIDED WITH THIS FILM CANNOT BE EXPOSED TO SUNLIGHT WITHOUT FIRST REMOVING THE FILM. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION. FILM MUST ALSO BE REMOVED FROM ALL NON EXPOSED PARTS WITHIN SIX FROM FILM APPLICATION OR IRREPARABLE DAMAGE WILL OCCUR TO THE SURFACE. CLAIMS WILL NOT BE ACCEPTED FOR THIS ISSUE

GENERAL FRAMING NOTES

- 1. Angles are marked by their length in feet and inches.
- Field cut or lap angles as required to fit.
- 3. Flange braces are marked by their length in decimal inches.
- 4. Outside flange of girt turns down unless noted. Endwall girts and eave struts do not lap.
- Field cut and self-tap girts at walk doors.
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- 9 Field weld all splices at 14 gauge valley gutters.
- 10. Locate top of roof framed openings flush with the pan of the roof panel.
- 11. Some field drilling at framed openings may be required. Field drill 9/16" diameter holes. 12. Sub-jambs for overhead or roll-up doors, if required, are not furnished by Rhino.

GENERAL SHEETING & TRIM NOTES

- Refer to erection drawings for rake angle locations.
- Roof member screws are on 12" centers at the intermediate purlins. The spacing at theeave, end Jap. and peak purlins are as shown.
- 3. Wall member screws are on 6" centers at the base member and 12" centers for all remaining members.
- 4. Roof stitch screws are located (1) at each member and (2) between members spaced evenly apart (20" maximum spacing).
- 5. Wall stitch screws are located (1) at each member then spaced evenly apart between members with the spacing not to exceed 20"
- Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg, unless noted,
 Gutter, rake, & eave trim lap 2". All other trims lap 1".
- 9. Field cut or lap panels as required to fit. 10. Field cut panels for all openings.
- 11. Pop rivet gutter counterflashing to wall panel on 3'-0 centers and caulk all laps.
- 12. Gutter support strap spacing: Super Span 36", Super Seam 48", Weather Lok-16 32".
- Downspout strap spacing: 4" x 4" 8'-0 o.c. max, larger downspouts 5'-0 o.c max.
 Corner and/or peak boxes are not furnished with trim profiles. Field miter as req'd.
- 15. Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- 16. Metal shavings must be swept from the roof each day to avoid surface rusting.
- 17. Windows and louvers must be installed before sheeting the walls.
- 18. For clarity, tape sealant, closures, etc. may not be shown. Refer to the appropriate standing seam technical/erection manual or standard details for through-fastened (screw-down) type roof systems for additional installation instructions

GENERAL SPECIFICATIONS

- 1. Wall and liner panels are an integral part of the structural system. Unauthorized removal of panels or cutting panels for framed openings not shown is prohibited. 2. Oil-canning, a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the structural integrity or the finish of the panel, and
- therefore is not a cause for rejection. 3. Rhino's red-oxide and gray oxide primer designed for short term field protection from exposure to ordinary atmospheric conditions.
- 4. All bolts are 1/2" x 1-1/4" A307 unless noted. Refer to the erection drawings for specific framing connections and the cross-section(s) for main frame connections.
- 5. All high strength bolts are A325 unless specifically noted otherwise. All high strength bolts (A325, A490) are to be installed using the turn-of-the-nut method specified in the "Specification for Structural Joints Using ASTM A325 or A490 Bolts" in the AISC Manual. Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
- 6. Any type of suspended or load inducing system(s) is prohibited if zero collateral and zero sprinkler loads are designated on the contract. This would include lights, duct work, piping, insulation types other than 3" standard duty fiberglass blanket insulation, etc.

RESPONSIBILITIES

- 1. The Rhino Customer, hereafter referred to as the "customer", obtains and pays for all building permits, licenses, public assessments, paving or utility pro rata, utility connections, occupancy fees and other fees required by any governmental authority or utility in connection with the work provided for in the Contract Documents. The customer provides at his expense all plans and specifications required to obtain a building permit. It is the customer's responsibility to ensure that all plans and specifications comply with the applicable requirements of any governing building authorities.
- 2. The customer is responsible for identifying all applicable building codes, zoning codes, or other regulations applicable to the Construction Project, including the metal building system.
- 3. It is the responsibility of the customer to interpret all aspects of the End User's specifications and incorporate the appropriate specifications, design criteria, and design loads into the Order Documents submitted to Rhino.
- 4. It is the responsibility of Rhino, through Rhino's Engineer, to design the metal building system to meet the specifications including the design criteria and design loads incorporated by the Contractor into the Order Documents. Rhino is not responsible for making an independent determination of any local codes or any other requirements not part of the Order Documents.
- 5. Rhino Steel Buildings' standard specifications apply unless stipulated otherwise in the Contract Documents. Rhino design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work any other interpretations to the contrary notwithstanding. It is understood by both parties that the customer is responsible for clarifications of inclusions or exclusions from the Architectural plans.
- 6. In case of discrepancies between Rhino's structural steel plans and plans for other trades, Rhino's shall govern ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual: Section 3.3)
- 7. The customer is responsible for overall project coordination. All interface, compatibility and design considerations concerning any materials not furnished by Rhino and Rhino's steel system are to be considered and coordinated by the customer. Specific design criteria concerning this interface between
- materials must be furnished before release for fabrication or Rhino's assumptions will govern.

 8. Anchor rods and foundation bolts are designed, furnished, and set by the customer in accordance with an approved drawing. Dimensional accuracy shall satisfy the requirements of Section 7.5.1 of "Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual.
- 9. All other embedded items or connection materials between the structural steel and the work of other trades are located and set by the customer in accordance with approved location on erection drawings. Accuracy of these items must satisfy the erection tolerance requirements.
- 10. Rhino does not investigate the influence of the metal building system on existing buildings or structures. The End Customer assures that such buildings and structures are adequate to resist snow drifts, wind loads, or other conditions as a result of the presence of the metal building system

UL580 Class 90: Yes Clip Type if Standing Seam:		Red Oxide Primer
WALL PANEL Profile: Gauge: Color:	SECONDARY FRAMING Purlins, Eave Struts: Girts, Light Gage Columns: Light Gage Jambs & Headers:	Red Oxide Primer Red Oxide Primer Red Oxide Primer
BUILDING DESIGN CODES Building Code: IBC 18	Hot-Dip Galvanizing conforms to the Pre-Galvanized members conform t Coating G-90 specification.	
Steel Specification: AISC16 Cold-Formed Specification: NAUS16	DEFLECTION CRITERIA Main Frames Lateral: H/120	Roof Panels: L/120
GENERAL LOADS	Main Frames Vertical: L/240	Purlins: <u>L/240</u>
Roof Dead Load: Metal Bldg. Only	Bearing Frame Rafter: L/240	Wall Panels: L/240
Roof Collateral Load: 5 ps		Girts: L/240
Sprinkler Load: ps	OCIDMIC LOAD	
Roof Live Load: 20.00 ps	Occupancy Category:	
Tributary Live Load Reduction: No No		1.00
Rainfall Intensity (5 Min Duration): 4.0000 in/	/hr Spectral Response Acceleration (Ss	Prince of the Contract of the
WIND LOAD	Spectral Response Acceleration (St	
Wind Speed (3-sec gust) Vult: 110 mg	, ,	D
Varid Speed (5-see gast) valt	•	-
V service: 1.00 mp		
Wind Exposure Category: C	Seismic Design Category:	E
Wind Condition: Enclosed	Basic Seismic Force Resisting Syste	
Internal Pressure Coefficient (GCpi):	Busine Business and the state in gray of	Longitudinal Lateral
Edge Zone Width: Ft	Total Design Base Shear:	13.06 Kips 12.52 Kips
	Sesimic Response Coefficient(s) (C	
SNOW LOAD	Response Modification Factor(s) (R)	
Roof Snow Load (Pf): 20.3 ps	Sf Deflection Amplification Factor(s):	,
Ground Snow Load (Pg): 29 ps	sf Analysis Procedure: Equivalent Late	
Snow Exposure Factor (Ce): 1.0000	,, ,	
Snow Load Importance Factor (Is): 1.00	* Ordinary Steel Concentrically Brac	
Thermal Factor (Ct): 1.00	and/or Ordinary Steel Moment Fra	me(s)

DRAWING STATUS		REV	DATE	DESCRIPTION	BY	СНК	COVER SHEET
FOR CONSTRUCTION:			· _		1		CUSTOMER:
definition not final in that, as a minimum, piece markings are		1 3	1		1		Rhino Steel Bldgs
wings issued "For Erection" can be considered final.							REFERENCE: Project
sed for anchor bolt setting. Piece markings are not identified.							City, State Zio
7 T T T T T T T T T T T T T T T T T T T		1			1		BALESPERSON: DA
llation.	STEEL BUILDING SYSTEMS			- 88 8 -			9

PRELIMINARY - NOT FOR CONSTRUCTION:

FOR CONSTRUCTION:

FOR ERECTION:
For final / erector installation

These drawings are by definition not final in that, not identified. Only drawings issued "For Erection"

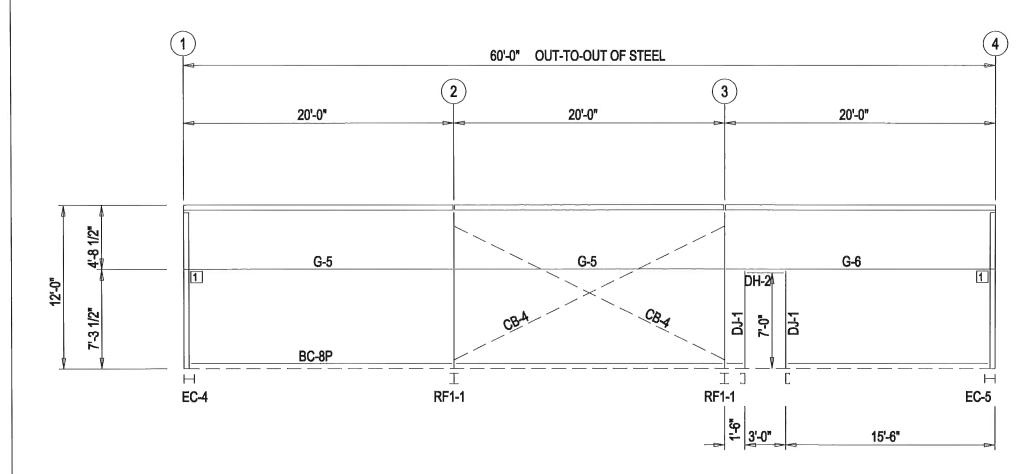
These drawings are used for anchor bolt setting.

BLDG. SIZE: 40'-0" x 60'-0" x 12'-0"

082820-03

Denton, TX 76207

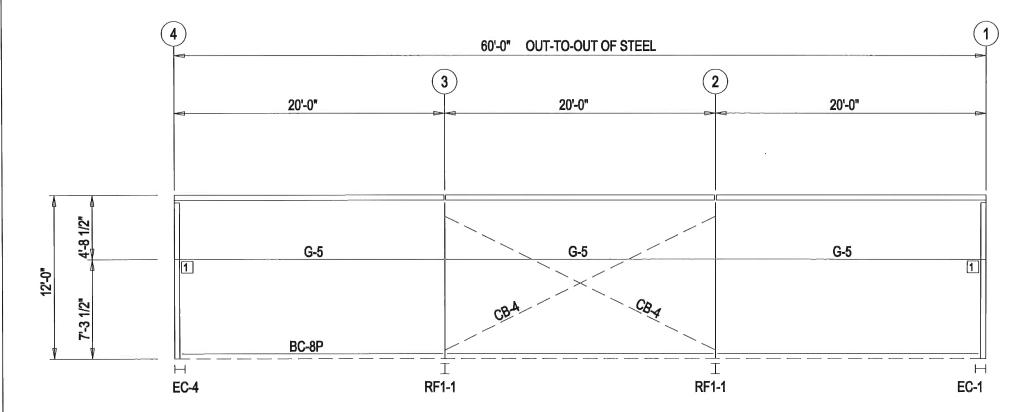
 CONN	IECTION PLATES
FRAM	IE LINE D
	MARK/PART
1	i1



SIDEWALL FRAMING: FRAME LINE D

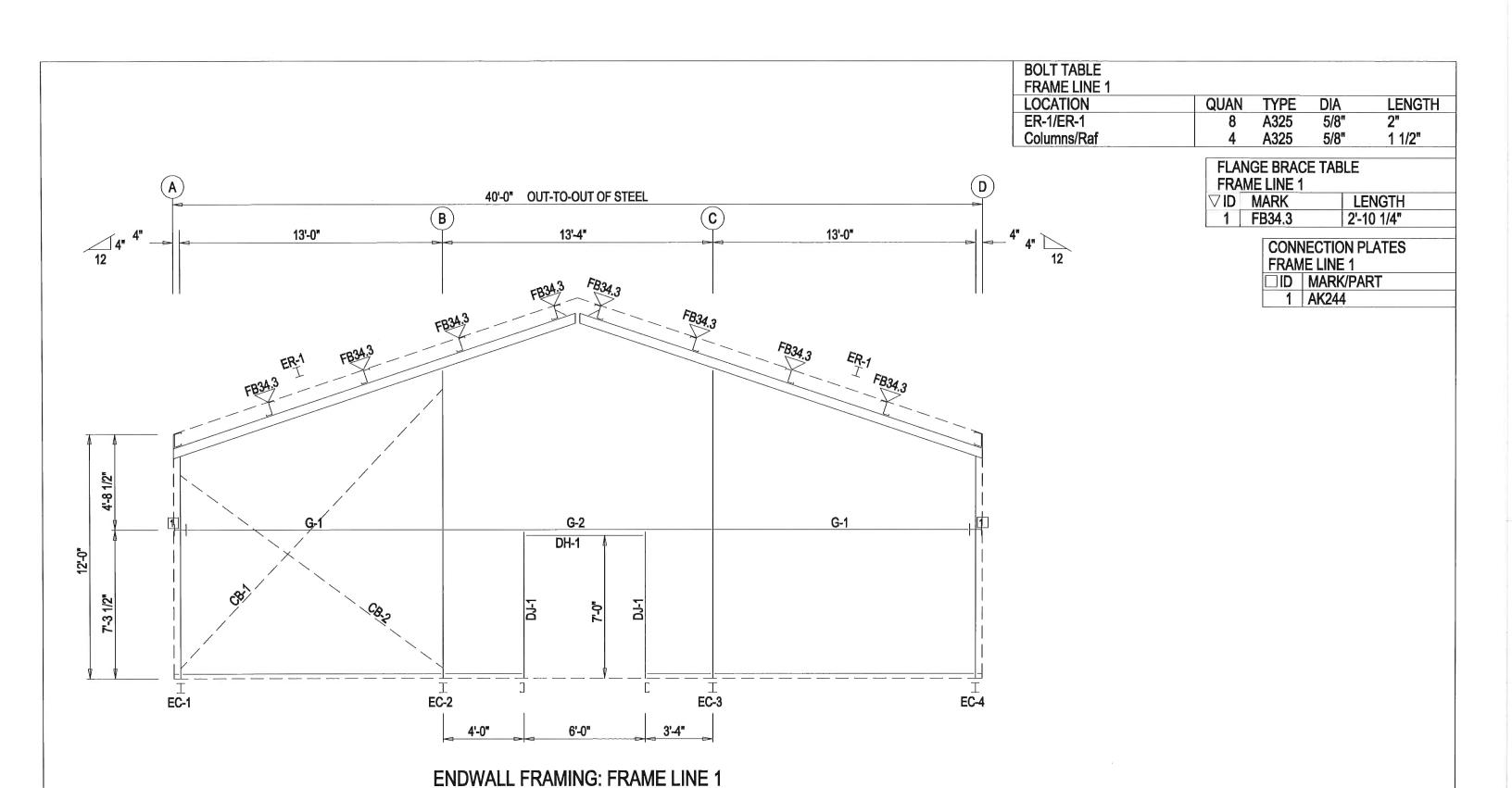
	Rhin	o Steel Bldgs			
PROJECT Project SIDEWALL FRAMING					
ID 082820-03 DESIGN: DRAFT: CHEC				CHECK:	
PROJECT	Street	DATE: 9/	8/20 SHEET	OF	
ADDRESS	City, State Zip				

	NECTION PLATES
FRAN	IE LINE A
	MARK/PART
1	i1

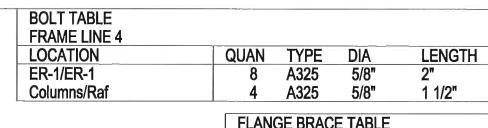


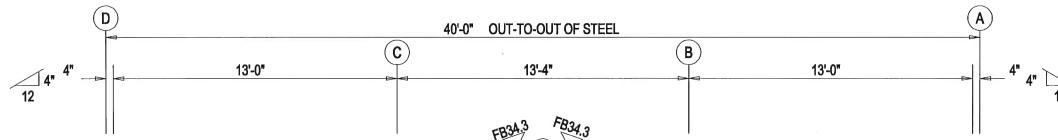
SIDEWALL FRAMING: FRAME LINE A

	Rhino Steel B	ldgs		
PROJECT	Project	SIDEWALL FRAMIN	IG .	
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF
ADDRESS	City, State Zip	=		



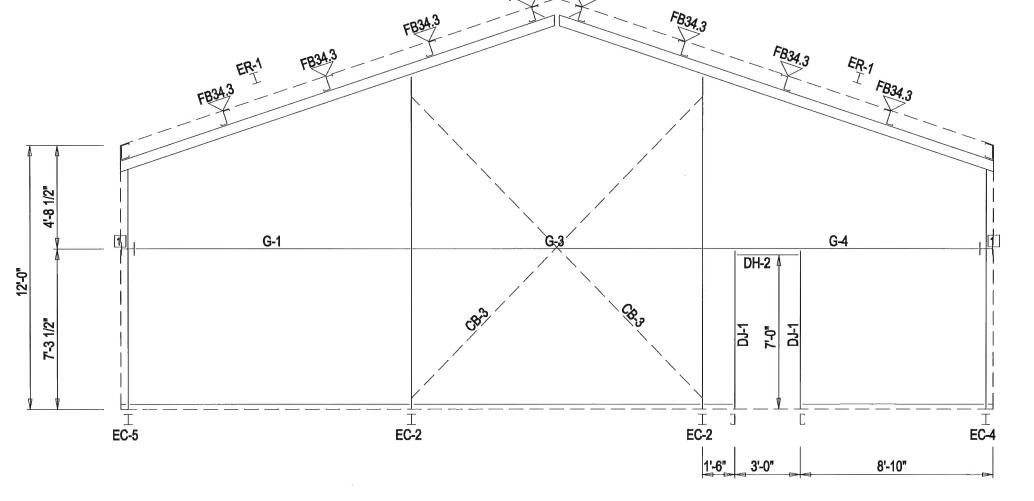
	Rhin	o Steel Bldgs		
PROJECT	Project	ENDWALL FRAM	IING	
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	r OF
ADDRESS	City. State Zip			





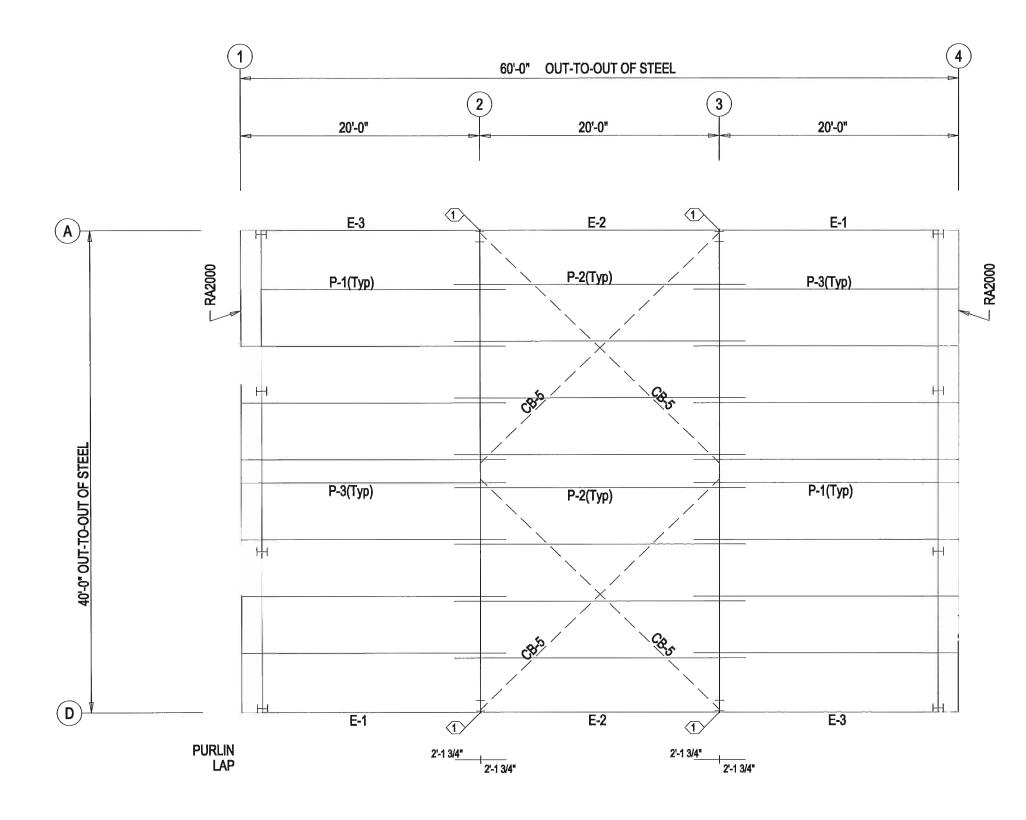
	NGE BRACE TAI ME LINE 4	BLE
∇ ID	MARK	LENGTH
1	FB34.3	2'-10 1/4"

	IECTION PLATES
FRAM	IE LINE 4
	MARK/PART
1	AK244



ENDWALL FRAMING: FRAME LINE 4

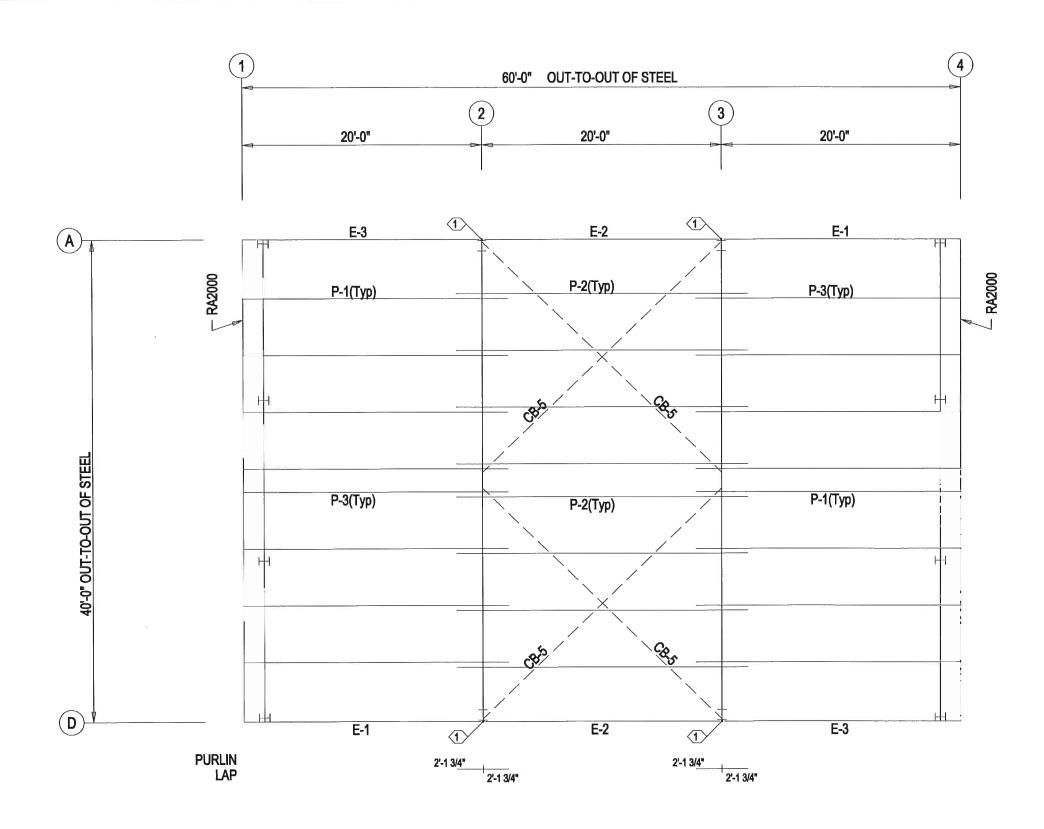
	Rhino Ste	el Bldgs		
PROJECT	Project	ENDWALL FRAMI	NG	
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF
ADDRESS	City, State Zip			



SPECIAL BC	LTS					
ROOF PLAN						
○ ID	QUAN	TYPE	DIA	LENGTH	WASH	•
1	4	A307	1/2"	1 1/4"	0	

ROOF FF	RAMIN	IG P	LAN
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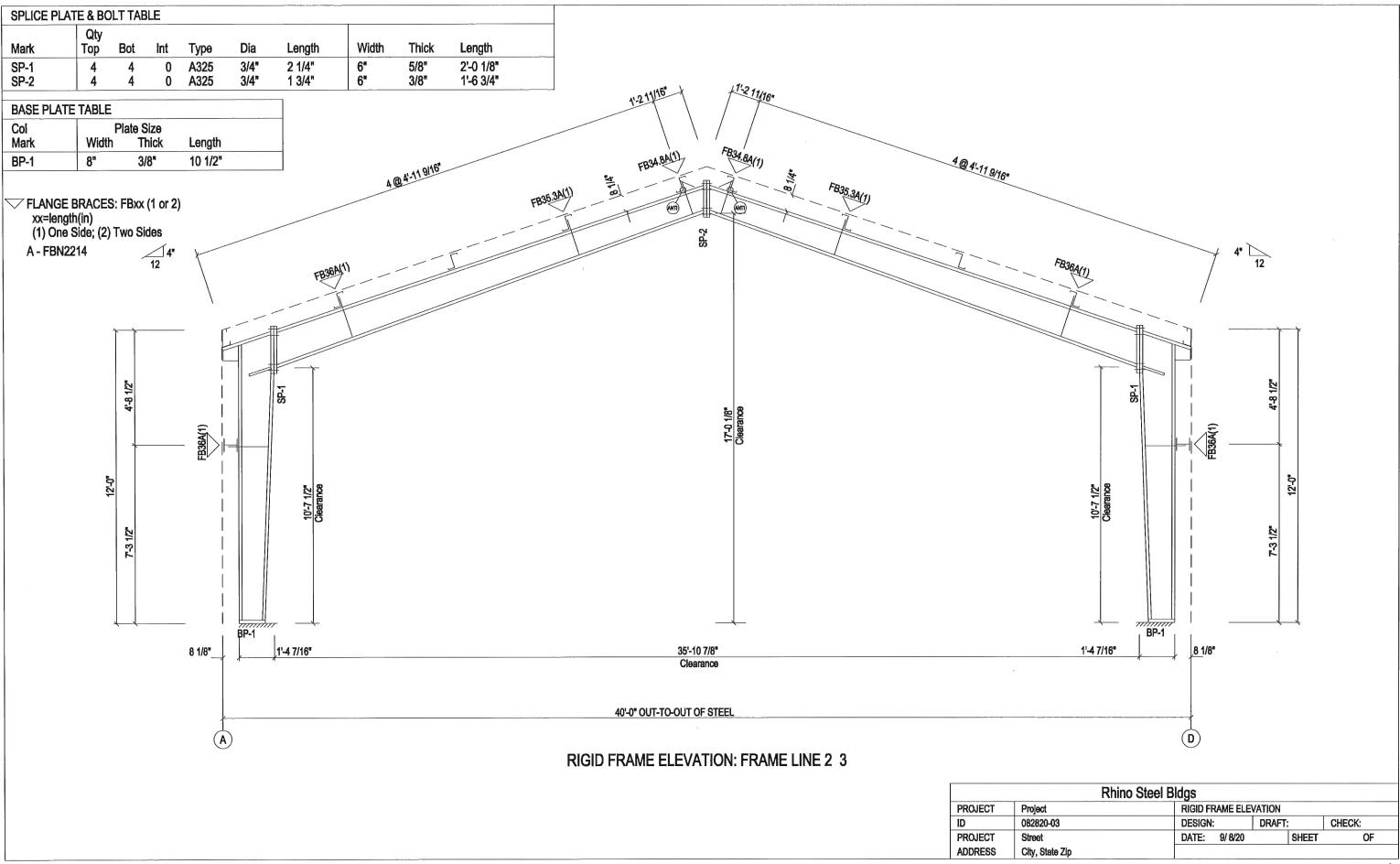
	Rhin	o Steel Bldgs		
PROJECT	Project	ROOF FRAMING		
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/8/20	SHEET	OF
ADDRESS	City, State Zip			

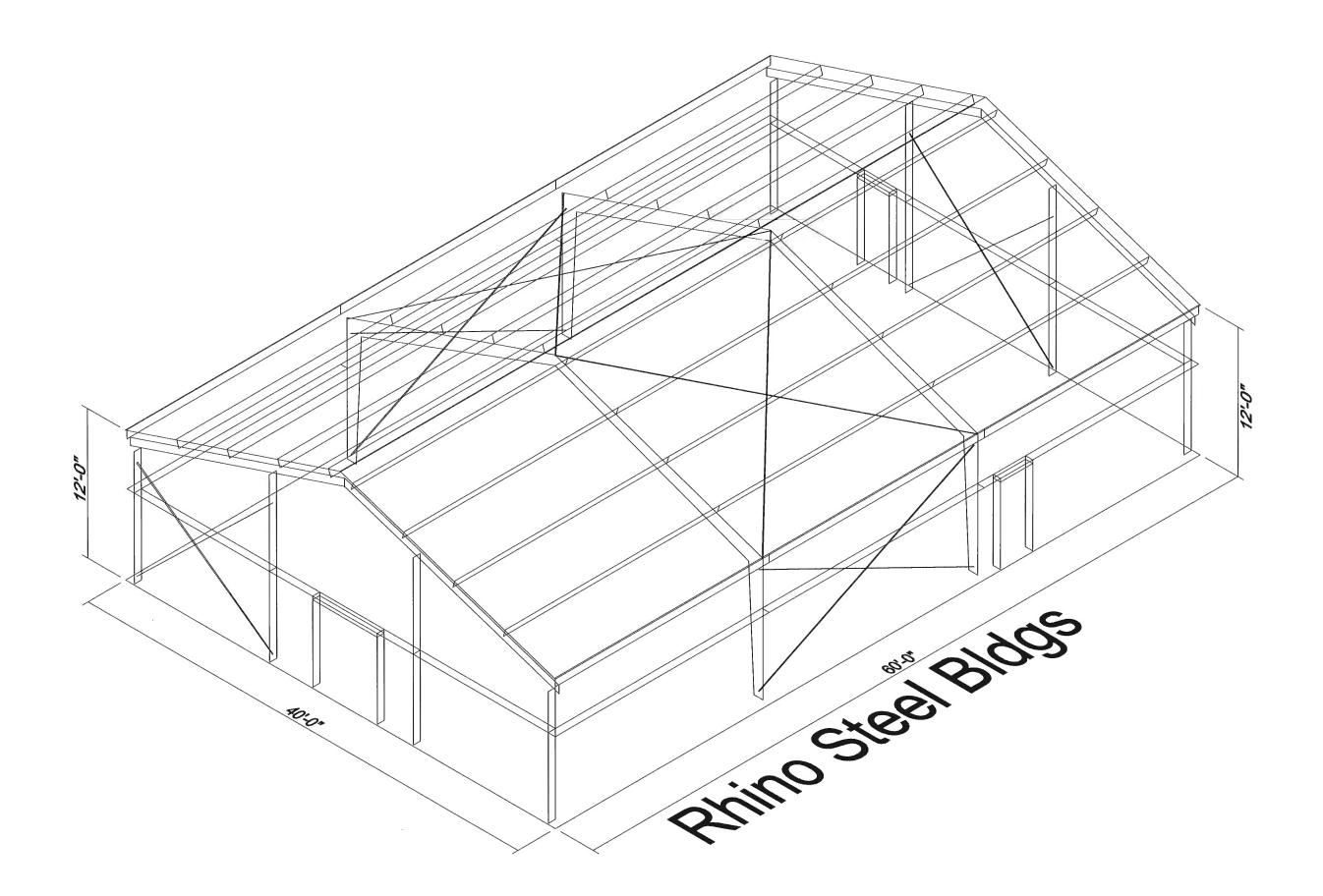


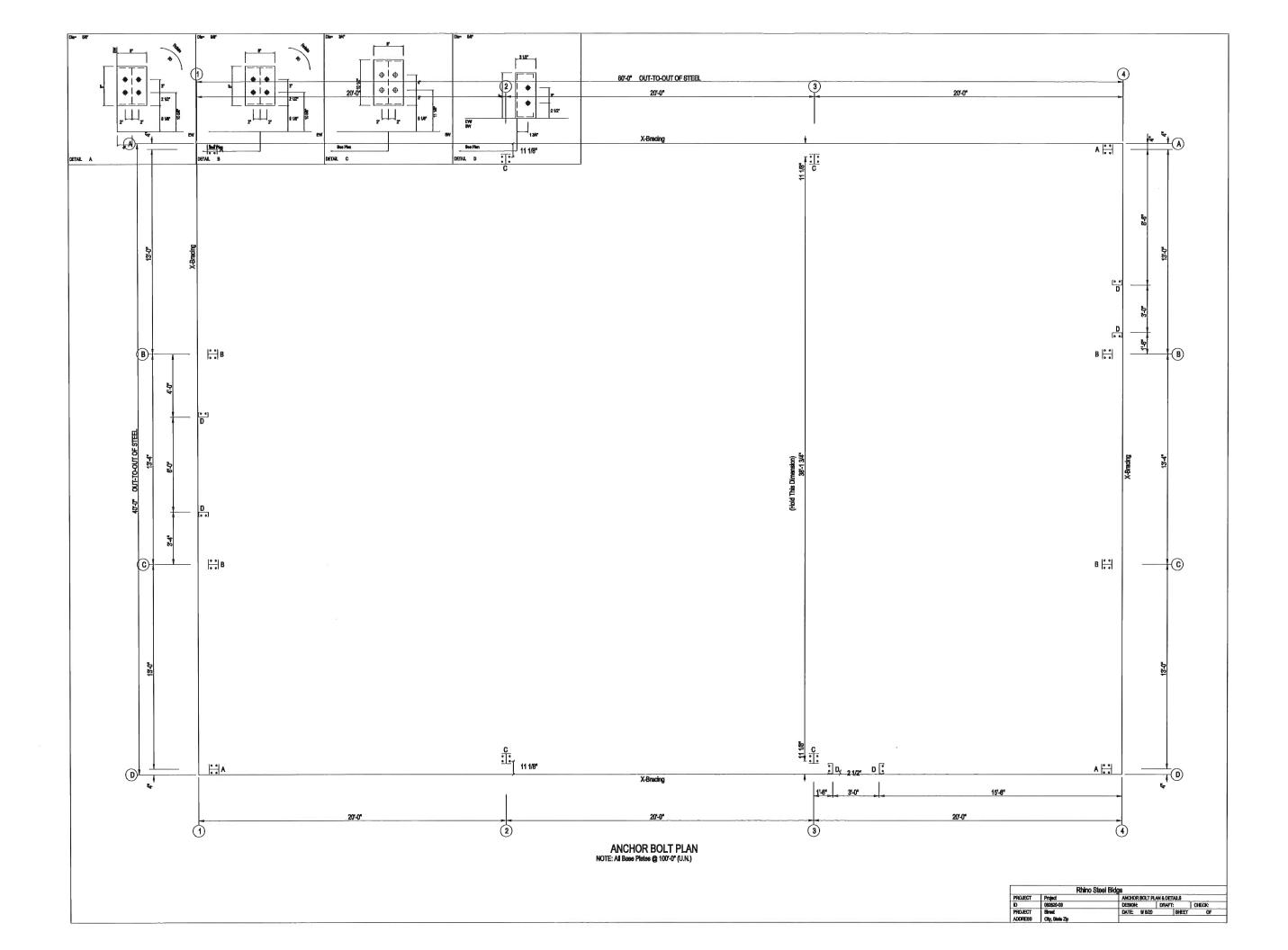
SPECIAL I	BOLTS				
ROOF PLA					
\bigcirc ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

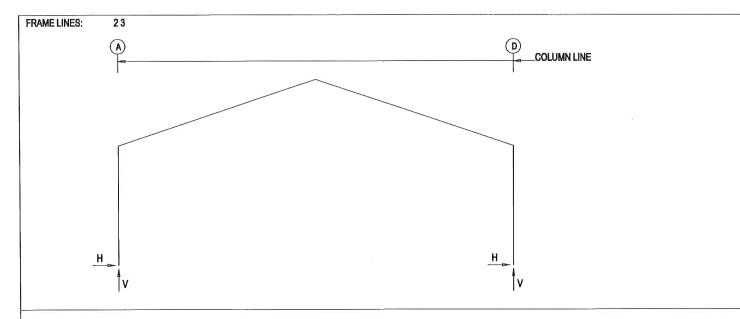
ROOF FRAMING PLAN

	Rhin	o Steel Bldgs		
PROJECT	Project	ROOF FRAMING		
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF
ADDRESS	City, State Zip			









RIGID	FRAM	ΙE:	A	NCHOR BO	LTS & BASE	PLATES	
Fm Line	Col Line	Anc Qty	Bolt Dia	Base_ Width	Plate (in) Length	Thick	Elev. (in)
2* 2*	A D	4	0.750 0.750	8.000 8.000	10.50 10.50	0.375 0.375	0.0 0.0
2*	Frame li	nes:		2 3			

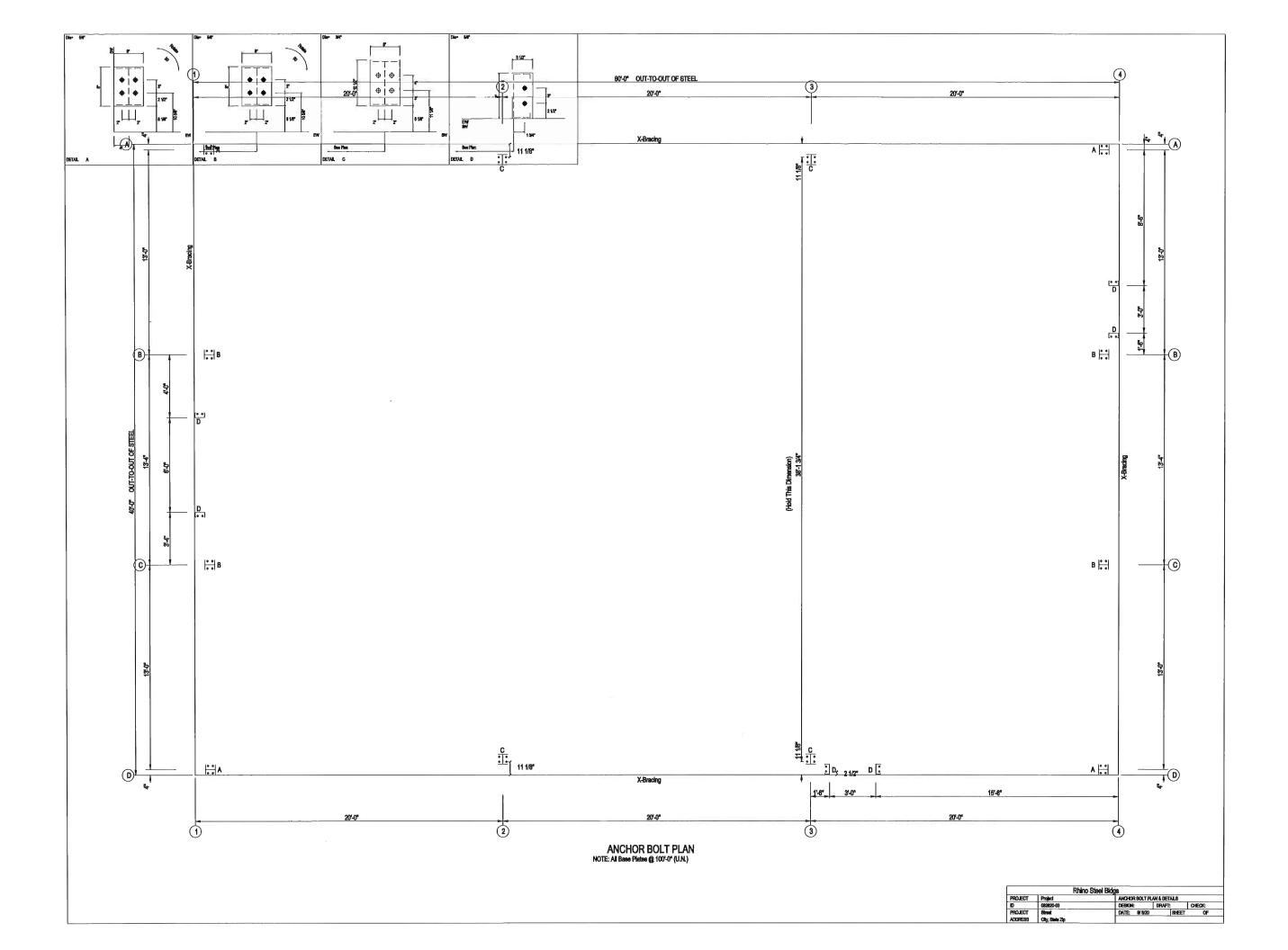
ND	WALL C	OLUM	N:	ANCHOR BOLTS & BASE PLATES						
Fm Line	Col Line	Anc Qty	Bolt Dla	Base_Plate (in) Width Length		Thick	Elev. (in)			
1	Α	4	0.625	8.000	8.000	0.500	0.0			
1	В	4	0.625	8.000	8.000	0.375	0.0			
1	C	4	0.625	8.000	8.000	0.375	0.0			
1	D	4	0.625	8.000	8.000	0.500	0.0			
	D	4	0.625	8.000	8.000	0.500	0.0			
	C	4	0.625	8.000	8.000	0.375	0.0			
4	В	4	0.625	8.000	8.000	0.375	0.0			
,	Α	4	0.625	8.000	8.000	0.500	0.0			

BUILDING BRACING REACTIONS											
Ws	all —	– Col	<u>±</u>	Reacti	ons(k) — Se	Ismic -	Panel_9				
Loc	Line	Line	Horz	Vert	Horz	Vert	Wind	Sels			
L EW	1	A,B	1.5	1.8	2.4	2.9					
F_SW	Ď	2,3	2.5	1.3	6.5	3.3					
R_EW	4	C,B	1.5	1.7	2.4	2.7					
B SW	Á	3,2	2.5	1.3	6.5	3.3					
		·									

RIGI	D FRAI	ME:	BA	SIC COLUM	IN REACT	IONS (k)								
Frame Line 2* 2*	Column Line A D	——Dea Hortz 0.5 -0.5	ad— Vert 1.3 1.3	-Collati Horiz 0.9 -0.9	eral- Vert 2.1 2.1	Live Hortz 3.6 -3.6	Vert 8.0 8.0	Sno Horiz 3.8 -3.6	W— Vert 8.1 8.1	-Wind Horiz -4.8 -0.2	Left1- Vert -7.8 -5.5	-Wind_I Hortz 0.2 4.8	Right1- Vert -5.5 -7.8	
Frame Line 2* 2*	Column Line A D	-Wind Horiz -4.7 -0.2	Left2- Vert -4.6 -2.3	-Wind_I Horiz 0.2 4.7	Right2- Vert -2.3 -4.6	Wind Horiz -0.2 1.1	Long1- Vert -7.9 -7.2	-Wind_ Horiz -1.1 0.2	Long2- Vert -7.2 -7.9	-Seism Horiz -2.5 -2.5	ic_Left Vert -1.5 1.5	Seismid Horiz 2.5 2.5	:_Right Vert 1.5 -1.5	
Frame Line 2* 2*	Column Line A D	-Seism Horiz 0.0 0.0	ic_Long Vert -4.3 -4.3	-MIN_S Horiz 3.6 -3.6	NOW Vert 8.0 8.0	F1UNB Hortz 3.0 -3.0	S_SL_L- Vert 7.8 4.6	F1UNB Horiz 3.0 -3.0	SL_R- Vert 4.6 7.8					
2*	Frame line	3 8:	2 3							·-				

2*	Frame lines:	2 3						
END	WALL COLU	JMN:	BASIC COLUMN REACT	IONS (k.)				
Frm Line 1 1 1	Col Dead Line Vert A 0.3 B 0.6 C 0.6 D 0.3	Collat Vert 0.3 0.8 0.8 0.3	Live Vert Vert 1.1 1.1 3.0 3.0 3.0 3.0 1.1 1.1	Wind_Left1 Horz Vert -1.5 -3.2 0.0 -1.7 0.0 -1.9 0.0 -1.6	Wind_Right1 Horz Vert 0.0 0.8 1.5 -4.4 0.0 -3.6 0.0 -1.3	Wind_Left2 Horz Vert -1.5 -2.5 0.0 -0.8 0.0 -1.1 0.0 -0.8	Wind_Right2 Horz Vert 0.0 1.6 1.5 -3.5 0.0 -2.7 0.0 -0.5	Wind Press Horz 0.0 -2.0 -2.0 0.0
Fm Line 1 1 1	Col Suct Line Horz A 0.0 B 2.3 C 2.3 D 0.0	Wind_Long Horz 0.0 -0.i 0.7 -4.i 0.0 -2.i 0.0 -0.i	Vert Horz Ver .5 -0.7 -1.8 .4 0.0 -1.2 .1 0.0 -3.3	Sels_Left t Horz Vert -3.2 -3.7 0.0 3.7 0.0 0.3 0.0 -0.2	Seis_Right Horz Veri 0.0 4.7 3.2 -4.7 0.0 -0.3 0.0 0.2	-MIN_SNOW Horz Vert 0.0 1.1 0.0 3.0 0.0 3.0 0.0 1.1	E1UNB_SL_L- Horz Ver 0.0 1.1 0.0 3.7 0.0 1.3 0.0 0.3	t
Fm Une 1 1 1	Col E1UN Line Horz A 0.0 B 0.0 C 0.0 D 0.0	B_SL_R- Vert 0.3 1.3 3.7 1.1						
Frm Line 4 4 4 4	Col Dead Line Vert D 0.3 C 0.6 B 0.6 A 0.3	Collat Vert 0.3 0.8 0.8 0.3	Live Vert Vert 1.1 1.1 3.0 3.0 3.0 1.1 1.1	Wind_Left1 Horz Vert 0.0 -1.3 -1.5 -5.3 0.0 -0.3 0.0 -1.5	Wind_Right1 Horz Vert 0.0 -1.5 0.0 -0.3 1.5 -5.3 0.0 -1.3	Wind_Left2 Horz Vert 0.0 -0.5 -1.5 -4.5 0.0 0.6 0.0 -0.8	Wind_Right2 Horz Vert 0.0 -0.8 0.0 0.6 1.5 -4.5 0.0 -0.5	Wind Press Horz 0.0 -2.0 -2.0
Frm Line 4 4 4 4	Col Suct Line Horz D 0.0 C 2.3 B 2.3 A 0.0	Wind_Long Horz 0.0 -1.1 0.0 -2.1 0.7 -2.1 0.0 -0.1	Vert Horz Ver .6 0.0 -0.9 .6 -0.7 -2.9 .9 0.0 -2.6	Sels_Left t Horz Vert 0.0 0.2 -3.2 -3.8 0.0 3.7 0.0 -0.1	Sels_Right Horz Vert 0.0 -0.1 0.0 3.7 3.2 -3.8 0.0 0.2	-MIN_SNOW- Horz Vert 0.0 1.1 0.0 3.0 0.0 3.0 0.0 1.1	E2UNB_SL_L- Horz Ver 0.0 1.1 0.0 3.6 0.0 1.3 0.0 0.3	t
Frm Line 4 4 4 4	Col E2UN Line Horz D 0.0 C 0.0 B 0.0 A 0.0	B_SL_R- Vert 0.3 1.3 3.6 1.1						

	Rhino S	Steel Bldgs			
PROJECT	Project	ANCHOR BOLT	REACTIONS		
ID	082820-03	DESIGN:	DRAFT:		CHECK:
PROJECT	Street	DATE: 9/ 8/20)	SHEET	OF
ADDRESS	City, State Zip				





(COMPOSITE ROOF)

RHINO STEEL BUILDING SYSTEMS

4305 I-35 North - Denton, TX 76207 www.rhinobldg.com Phone: 940.220.5196 Fax: 888.687.3602 Toll Free: 888.320.7466

Over 44% repeat and referral business in 2018

Over 44% repeat and r	o.c.r.a. baanio			Quoted by:		Zach Frei	S
					Quote:	082	820-03
	A BURE (A B P	CUS	TOMER I	NFORMATIO	ON		
Name:	Gary Dehli	nger	County:	Curry		Date:	9/8/2020
		BUIL	DING SP	ECIFICATIO	NS		
Width:	40	Bldg Code:	OSSC-2019	Live Load	: 20	Wall Color:	Choice of Colors
Length:	60	Collateral Load:	5	Bay Spacing	: 20	Roof Color:	Choice of Colors
Eave Ht:	12	Wind Load:	110/EXP C	# Bays	: 3	Trim Color:	Choice of Colors
Roof Pitch */12:	4.0	Ground Snow:	29G//20R	Girt Condition	: Flush	Column:	Straight
A NO CO. Change and a side of			ACCES	SORIES			
Walk Doors:	2 - 3'x7', So	olid, Lever Lock an	d Key, Insula	ted, Self Framing	5		Included
Framed Openings:	1 - 6070 w	ith Full Cover Trim	-Door not pr	ovided by Rhino			Included
Windows:	By others						
Gutters & Downs:	Gutters an	d Downspouts on	Both Sidewa	lls*Northern Gut	ter System		Included
Sky/Wall Lights:	3'x11' Wal	I/Sky Light W/Girt	to Girt Fram	ing(\$250 Each)			Option
Door Canopies	4'x4' or 4'x	7' Door Canopy Ki	t(\$656/\$108	2)			Option
Vents:	9"x10' Gal	valume Ridge Vent	ts with Damp	er, Screen and C	hain(\$578 E	ACH)	Option
Insulation:	All Bidg - 6" R-:	19, WMP-50 Backing(Poly	propylene Facing	/Metallized Polyester E	3acking-\$4708.07	')	Option
Overhead Doors:	By others						
Notes:	Clear Span	, Base Channel and	d Trim				Included
		Wainsco	t at 4' on all	walls with brea	k panel	-	Included
PLI	NO STE	EL BUILDING	ATP - 25	UDARD FFA	TURES a	nd RENEEL	7 2

RHINO STEEL BUILDINGS - STANDARD FEATURES and BENEFITS

*****LIFETIME STRUCTURAL WARRANTY*****25 years on all silicon polyester roof and wall panels from chalking or fading. 40 years on all Kynar roof and wall panels from chalking or fading.

<u>26 Gauge PBR Panels</u> – Rhino Standard PBR for roof and wall panels feature extra overlap for increased strength and water resistance.

<u>Base Trim</u> – A colored steel edge that the wall panel rests on resulting in two major benefits: eliminates the need for concrete sheet notch and prevents panels from resting on concrete which may later cause rusting.

<u>Full Cover Trim</u> – added to all framed openings to enhance looks and resulting in more finished look.

<u>Weather Proofing</u> – At base, eave and rake. Another standard feature that includes closures strips, mastic, and flashing to ensure a weather tight building.

Price includes - 3 sets of engineer stamped drawings and anchor bolt plans.

Included
Not Included
\$ 28,530.14

- * 25% Deposit Required w/ Order
- * Remaining Balance Due C.O.D.
- * Anchor bolts are <u>not</u> included.
- *Price is Valid for 15 days

^{*}Customer is responsible for confirming loads with local authority.*

ERECTION NOTES

- 1. All bracing shown and provided by Rhino for this building is required and shall be installed by the erector as a permanent part of the structure ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.10).

 2. Temporary supports, such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined and furnished by the
- erector ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.10.3).
- 3. Normal erection operations include the correction of minor misfits by moderate amounts of reaming, chipping, or cutting and the drawing of elements into line through use of drift pins. Errors which require major changes in the member configuration are to be reported immediately to Rhino by the 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 ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 7.14).
- 4. Erection tolerances are set forth in AISC Code of Standard Practice 7.13 except that individual members are considered plumb, level and aligned if the deviation does not exceed 1:500. Variations in finished overall dimensions of structural steel framing are deemed within the limits of good practice when they do not exceed the cumulative effect of rolling, fabricating, and erection tolerances.
- 4.1. When crane support systems are part of the metal building system erection tolerances Section 6.8, Common Industry Practices, 2012 MBMA Metal Building Systems Manual shall apply. To achieve the required tolerances grouting of the columns and shimming of the runway beams may be required. The customer shall provide grout if required. The contractor erecting the runway beams is responsible for shimming, plumbing, and leveling of the runway system.
- When aligning the runway beams the alignment shall be with respect to the beam webs so that the center of the aligned rail is over the runway web.

 5. As a general rule field welding is not used to assemble a metal building system. In cases where the drawings indicate field welding and in cases where approved corrections are to be made by field welding the following requirements shall be met:
- 5.1. Welders must be qualified by an independent testing agency, with suitable documentation to AWS D1.1 Structural Welding Code Steel or AWS D1.3 Structural Welding Code Sheet Steel as applicable, for the processes, positions, and materials involved.
- 5.2. All welds must be made in conformance to a documented and approved Welding Procedure Specification (WPS). All joints which are not prequalified must be supported by a certified Procedure Qualification Record (PQR) by an independent testing agency.
- 6. All documentation and records shall be the responsibility of the customer.
- 7. Any claims or shortages by buyer must be made to Rhino within seven (7) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed. All claims should be directed to Rhino Steel Buildings Customer Service Department.
- 8. Claims for correction of alleged misfits will be disallowed unless Rhino shall have received prior notice thereof and allowed reasonable inspection of such misfits. Ordinary inaccuracies of shop work shall not be construed as misfits. No part of the building may be returned or charges assessed for alleged misfits without prior approval from Rhino.
- 9. Neither Rhino nor the customer will cut, drill or otherwise alter their 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 customer is responsible for furnishing complete information as to materials, size, location, and number of alterations prior to preparation of shop drawings ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual;
- 10. Rhino Steel Buildings Field Modifications Policy: 10.1. Rhino will only be responsible for the field-modified parts designed and approved by the Rhino Engineering Department
- 10.2. Any field modifications designed by third parties may not be approved by Rhino and may limit Rhino's warranty and liability
- 10.3. Rhino makes no warranty and hereby disclaims any responsibility with respect to the design, engineering, or construction of any field-modified parts performed by third parties.
- 11, WARNING SOME PANELS AND TRIM PARTS ARE FURNISHED WITH A PROTECTIVE PEEL-OFF FILM. PARTS PROVIDED WITH THIS FILM CANNOT BE EXPOSED TO SUNLIGHT WITHOUT FIRST REMOVING THE FILM. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION. FILM MUST ALSO BE REMOVED FROM ALL NON EXPOSED PARTS WITHIN SIX FROM FILM APPLICATION OR IRREPARABLE DAMAGE WILL OCCUR TO THE SURFACE. CLAIMS WILL NOT BE ACCEPTED FOR THIS ISSUE.

GENERAL FRAMING NOTES

- Angles are marked by their length in feet and inches.
- 2. Field cut or lap angles as required to fit.
- 3. Flange braces are marked by their length in decimal inches.
- 4. Outside flange of girt turns down unless noted. Endwall girts and eave struts do not lap.
- 6. Field cut and self-tap girts at walk doors
- Field slot girts for brace rods or cables.
- Field locate windows and walk doors.
- 9. Field weld all splices at 14 gauge valley gutters.
- 10. Locate top of roof framed openings flush with the pan of the roof panel.
- 11. Some field drilling at framed openings may be required. Field drill 9/16" diameter holes.
- 12. Sub-jambs for overhead or roll-up doors, if required, are not furnished by Rhino.
- GENERAL SHEETING & TRIM NOTES
- 1. Refer to erection drawings for rake angle locations.
- Roof member screws are on 12" centers at the intermediate purlins. The spacing at theeave, end lap, and peak purlins are as shown.
- 3. Wall member screws are on 6" centers at the base member and 12" centers for all remaining members.
- Roof stitch screws are located (1) at each member and (2) between members spaced evenly apart (20" maximum spacing).
- 5. Wall stitch screws are located (1) at each member then spaced evenly apart between members with the spacing not to exceed 20".
- 6. Skylight stitch screws are at 6" o.c.
- Start endwall panels at centerline of bldg, unless noted.
- 8. Gutter, rake, & eave trim lap 2", All other trims lap 1". 9. Field cut or lap panels as required to fit.
- 10. Field cut panels for all openings.
- 11. Pop rivet gutter counterflashing to wall panel on 3'-0 centers and caulk all laps
- 12. Gutter support strap spacing; Super Span 36", Super Seam 48", Weather Lok-16 32".
- 13. Downspout strap spacing: 4" x 4" 8'-0 o.c. max, larger downspouts 5'-0 o.c max. 14. Corner and/or peak boxes are not furnished with trim profiles. Field miter as reg'd.
- 15. Hot-rolled or built-up members must be pre-drilled before attaching members screws.
- 16. Metal shavings must be swept from the roof each day to avoid surface rusting.
 17. Windows and louvers must be installed before sheeting the walls.
- 18. For clarity, tape sealant, closures, etc. may not be shown. Refer to the appropriate standing seam technical/erection manual or standard details for through-fastened (screw-down) type roof systems for additional installation instructions

GENERAL SPECIFICATIONS

- 1. Wall and liner canels are an integral part of the structural system. Unauthorized removal of panels or cutting panels for framed openings not shown is prohibited.
- 2. Oil-canning, a perceived waviness inherent to light gauge metal, may exist. This condition does not affect the structural integrity or the finish of the panel, and
- 3. Rhino's red-oxide and gray oxide primer designed for short term field protection from exposure to ordinary atmospheric conditions
- 4. All bolts are 1/2" x 1-1/4" A307 unless noted. Refer to the erection drawings for specific framing connections and the cross-section(s) for main frame connections
- 5. All high strength bolts are A325 unless specifically noted otherwise. All high strength bolts (A325, A490) are to be installed using the turn-of-the-nut method specified in the "Specification for Structural Joints Using ASTM A325 or A490 Bolts" in the AISC Manual. Unless noted otherwise, all bolted connections are designed as bearing type connections with bolt threads not excluded from the shear plane.
- 6. Any type of suspended or load inducing system(s) is prohibited if zero collateral and zero sprinkler loads are designated on the contract. This would include lights, duct work, piping, insulation types other than 3" standard duty fiberglass blanket insulation, etc.

RESPONSIBILITIES

ROOF PANEL

PRELIMINARY - NOT FOR CONSTRUCTION:

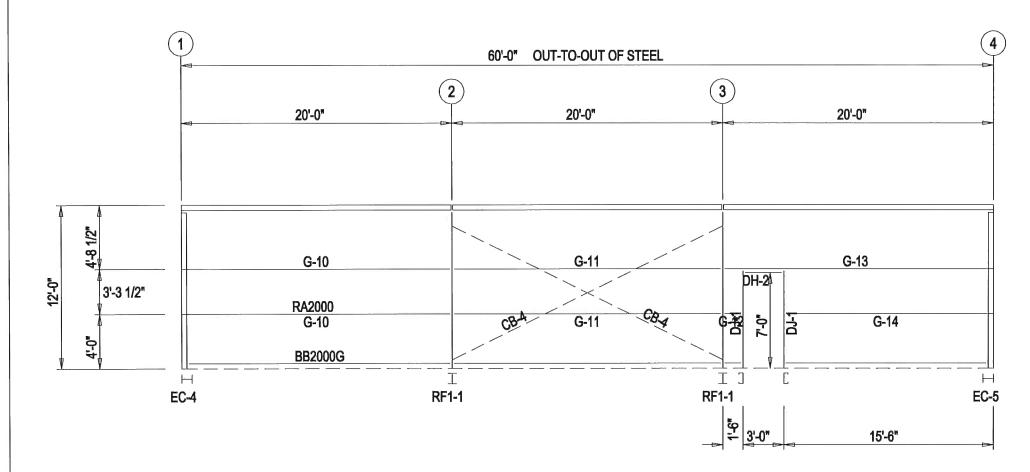
FOR CONSTRUCTION:

- 1. The Rhino Customer, hereafter referred to as the "customer", obtains and pays for all building permits, licenses, public assessments, paying or utility prorata, utility connections, occupancy fees and other fees required by any governmental authority or utility in connection with the work provided for in the Contract Documents. The customer provides at his expense all plans and specifications required to obtain a building permit. It is the customer's responsibility to ensure that all plans and specifications comply with the applicable requirements of any governing building authorities
- 2. The customer is responsible for identifying all applicable building codes, zoning codes, or other regulations applicable to the Construction Project, including the metal building system.
- 3. It is the responsibility of the customer to interpret all aspects of the End User's specifications and incorporate the appropriate specifications, design criteria, and design loads into the Order Documents submitted to Rhino
- 4. It is the responsibility of Rhino, through Rhino's Engineer, to design the metal building system to meet the specifications including the design criteria and design loads incorporated by the Contractor into the Order Documents, Rhino is not responsible for making an independent determination of any local codes or any other requirements not part of the Order Documents.
- 5. Rhino Steel Buildings' standard specifications apply unless stipulated otherwise in the Contract Documents. Rhino design, fabrication, quality criteria standards, practice, methods and tolerances shall govern the work any other interpretations to the contrary notwithstanding. It is understood by both parties that the customer is responsible for clarifications of inclusions or exclusions from the Architectural plans
- 6. In case of discrepancies between Rhino's structural steel plans and plans for other trades. Rhino's shall govern ("Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual; Section 3.3)
- 7. The customer is responsible for overall project coordination. All interface, compatibility and design considerations concerning any materials not furnished by Rhino and Rhino's steel system are to be considered and coordinated by the customer. Specific design criteria concerning this interface between naterials must be furnished before release for fabrication or Rhino's assumptions will govern.
- 8. Anchor rods and foundation bolts are designed, furnished, and set by the customer in accordance with an approved drawing. Dimensional accuracy shall satisfy the requirements of Section 7.5.1 of "Code of Standard Practice for Steel Buildings and Bridges" in the AISC Manual.
- 9. All other embedded items or connection materials between the structural steel and the work of other trades are located and set by the customer in accordance with approved location on erection drawings. Accuracy of these items must satisfy the erection tolerance requirements
- 10. Rhino does not investigate the influence of the metal building system on existing buildings or structures. The End Customer assures that such buildings and structures are adequate to resist snow drifts, wind loads, or other conditions as a result of the presence of the metal building syste

DDIMADV EDAMING

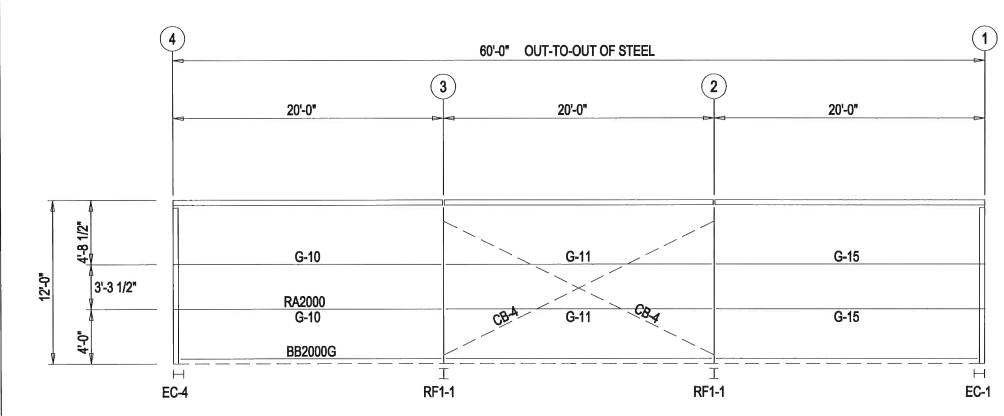
ROOF PANEL			PRIMARY FRAMING				
Profile: Super Span X Ga UL580 Class 90: Yes	auge: <u>26</u> Color	NEED COLOR	Built-Up & Hot-Rolled:	<u>R</u>	ed Oxide Primer	-	
Clip Type if Standing Seam:			SECONDARY FRAMING				
			Purlins, Eave Struts:	R	led Oxide Primer		
WALL PANEL			Girts, Light Gage Columr	ns: R	ed Oxide Primer		
Profile: Super Span X Ga	auge: <u>26</u> Color	NEED COLOR	Light Gage Jambs & Hea	aders: R	ted Oxide Primer		
			Hot-Dip Galvanizing conf	forms to the AS	STM A123 specification	n.	
BUILDING DESIGN CODES			Pre-Galvanized members	s conform to th	e ASTM A653, Grade	50,	
Building Code:	IBC 18	3	Coating G-90 specifical	tion.			
Steel Specification:	AISC16						
Cold-Formed Specification:	NAUS16	3	DEFLECTION CRITERIA				
	-	_	Main Frames Lateral:	H/60	Roof Panels:	L/120	
GENERAL LOADS			Main Frames Vertical:	L/180	Purlins:	L/150	
Roof Dead Load:	Metal Bldg. Only		Bearing Frame Rafter:	L/180	Wall Panels:	L/60	
Roof Collateral Load:		j psf	Endwall Columns:	_L/90	Girts:	L/90	
Sprinkler Load:		_ psf	05101410101				
Roof Live Load:	20.00	_ '	SEISMIC LOAD				
Tributary Live Load Reduction:	No		Occupancy Category:	-	4.00		
Rainfall Intensity (5 Min Duration):	4.0000	n/hr in/hr	Seismic Importance Fact		1.00		
148001010			Spectral Response Accel		2.19		
WIND LOAD	444		Spectral Response Accel	leration (S1):	1.01		
Wind Speed (3-sec gust) Vult:) mph	Site Class:	d-11- (O-1-)-	D		
Vasd:		_ mph	Spectral Response Coeff		1.748		
V service:	1.00		Spectral Response Coeff		1.143_		
Wind Exposure Category: Wind Condition:			Seismic Design Category		E		
_	Enclosed	1	Basic Seismic Force Res	sisting Systems		Lateral	
Internal Pressure Coefficient (GCpi):		<u>.</u> . Ft	Total Design Base Shear		Longitudinal		Vina
Edge Zone Width:		_ rt	Sesimic Response Coeffi		13.06_ Ki	ips 12.52 0.5	Kips
SNOW LOAD			Response Modification F		3.25	3,5	
Roof Snow Load (Pf):	20.3	3 psf	Deflection Amplification F			3,5	
Ground Snow Load (Pg):	29	_ '	Analysis Procedure: Equi	` '	Eoreo		
Snow Exposure Factor (Ce):	1,0000		raidiyaa Floceddie, Equi	IVAIOIN LAIGIAI	1 0/00		
Snow Load Importance Factor (Is):	1.00		* Ordinary Steel Concent	trically Braced I	Frame(s)		
Thermal Factor (Ct):	1.00		and/or Ordinary Steel M				
		_					

DRAWING STATUS		REV	DATE	DESCRIPTION	B	Y CH	COVER SHE	ΞT	BLDG. SIZE 40'-0" x 6	0'-0" x 12'-0"	
PRELIMINARY - NOT FOR CONSTRUCTION: These drawings are by definition not final in that, as a minimum, piece markings are		 - 	· · ·	•		+	CUSTOMER: Rhino Steel B	ldgs	LO	CATION: Denton, TX 7620	07
not identified. Only drawings issued "For Erection" can be considered final. FOR CONSTRUCTION:							REFERENCE: Project				
These drawings are used for anchor bolt setting. Piece markings are not identified.	TO TIAN TO	-1			-	+	City, State Zip			COUNTY: County	
FOR ERECTION: For final / erector installation.	STEEL BUILDING SYSTEMS					+	=ALESPERSON:	9/ 8/20	ESTIMATE NO: 082820-	03 C1	ISSUE



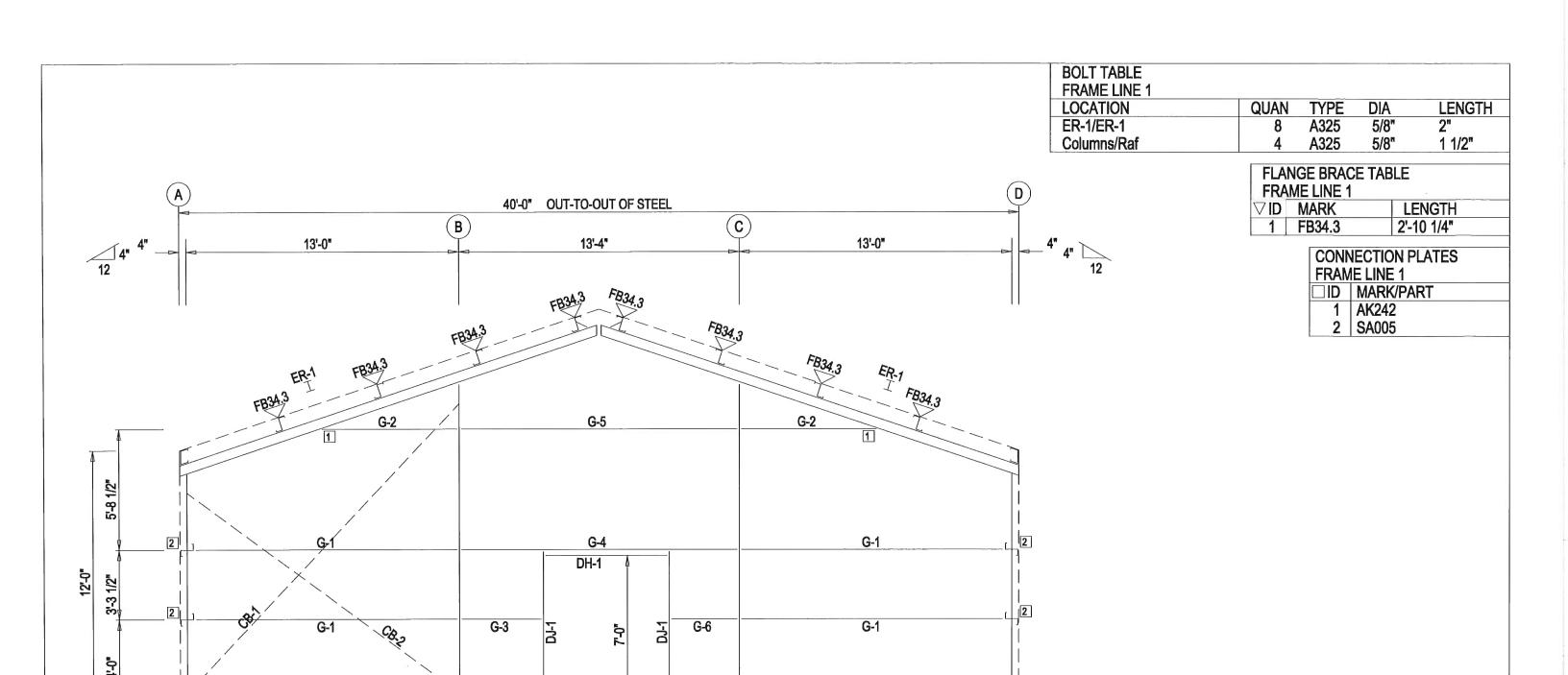
SIDEWALL FRAMING: FRAME LINE D

Rhino Steel Bldgs									
PROJECT	Project	SIDEWALL FRAMIN	NG .						
ID	082820-03	DESIGN:	DRAFT:	CHECK:					
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF					
ADDRESS	City, State Zip								



SIDEWALL FRAMING: FRAME LINE A

	Rhin	o Steel Bldgs		
PROJECT	Project	SIDEWALL FRAM	NG	
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF
ADDRESS	City, State Zip			



EC-3

3'-4"

⊥ EC-4

ENDWALL FRAMING: FRAME LINE 1

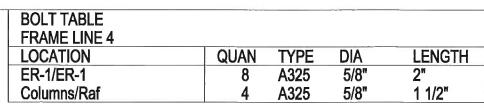
6'-0"

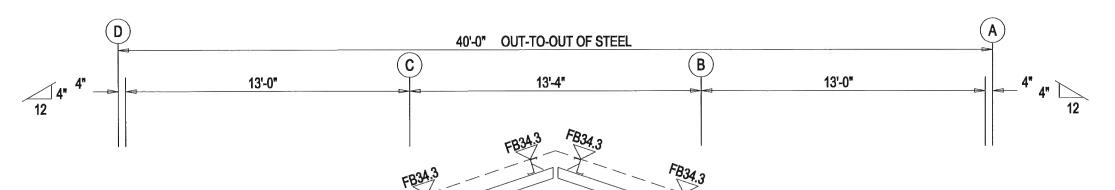
⊥ EC-2

4'-0"

⊥ EC-1

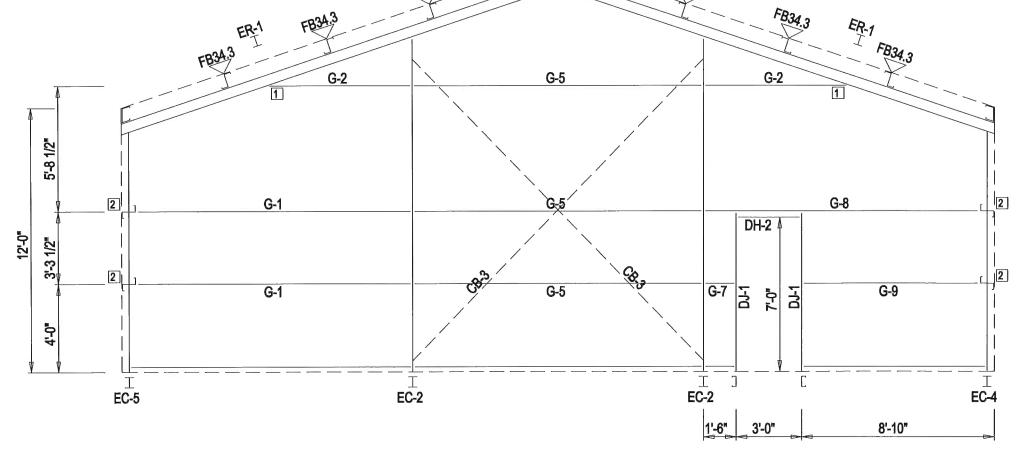
Rhino Steel Bldgs									
PROJECT	Project	ENDWALL FRAMIN	IG						
ID	082820-03	DESIGN: DRAFT: CHECK:							
PROJECT	Street	DATE: 9/8/20	SHEET	OF					
ADDRESS	City, State Zip								





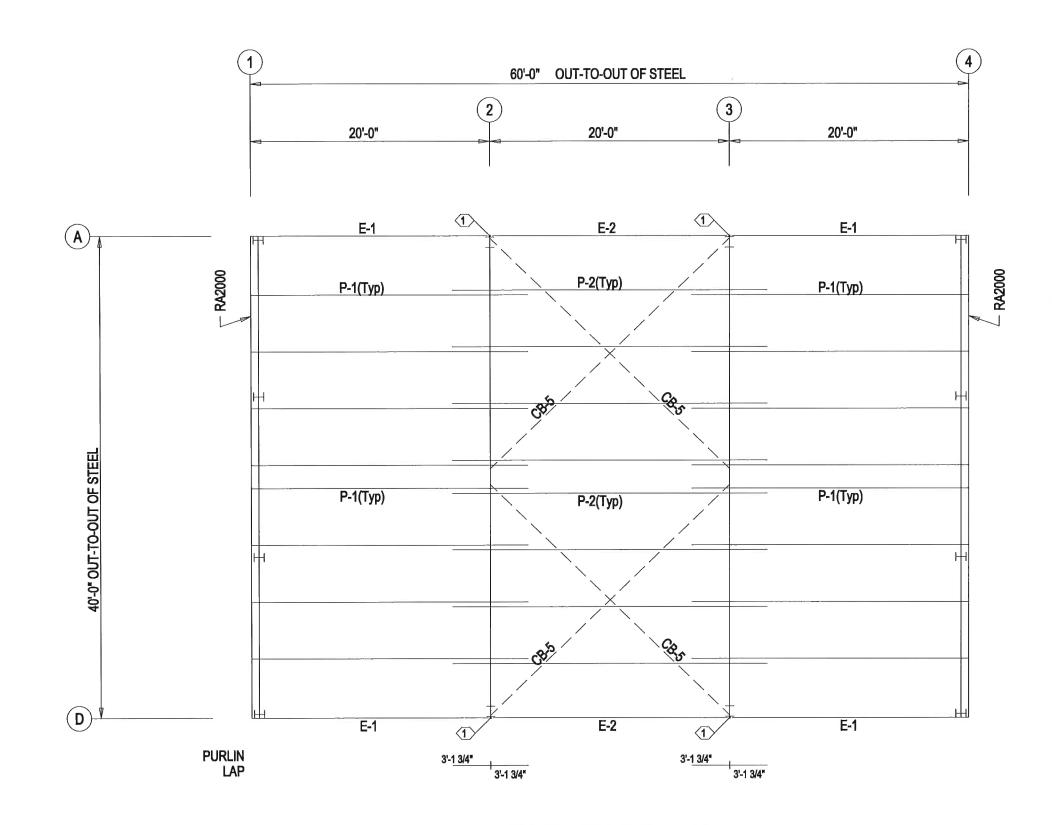
FLA	NGE BRACE TAE	BLE
FRA	ME LINE 4	
∇ ID	MARK	LENGTH
1	FB34.3	2'-10 1/4"

	IECTION PLATES	
□ID	MARK/PART	_
1	AK242	
2	SA005	



ENDWALL FRAMING: FRAME LINE 4

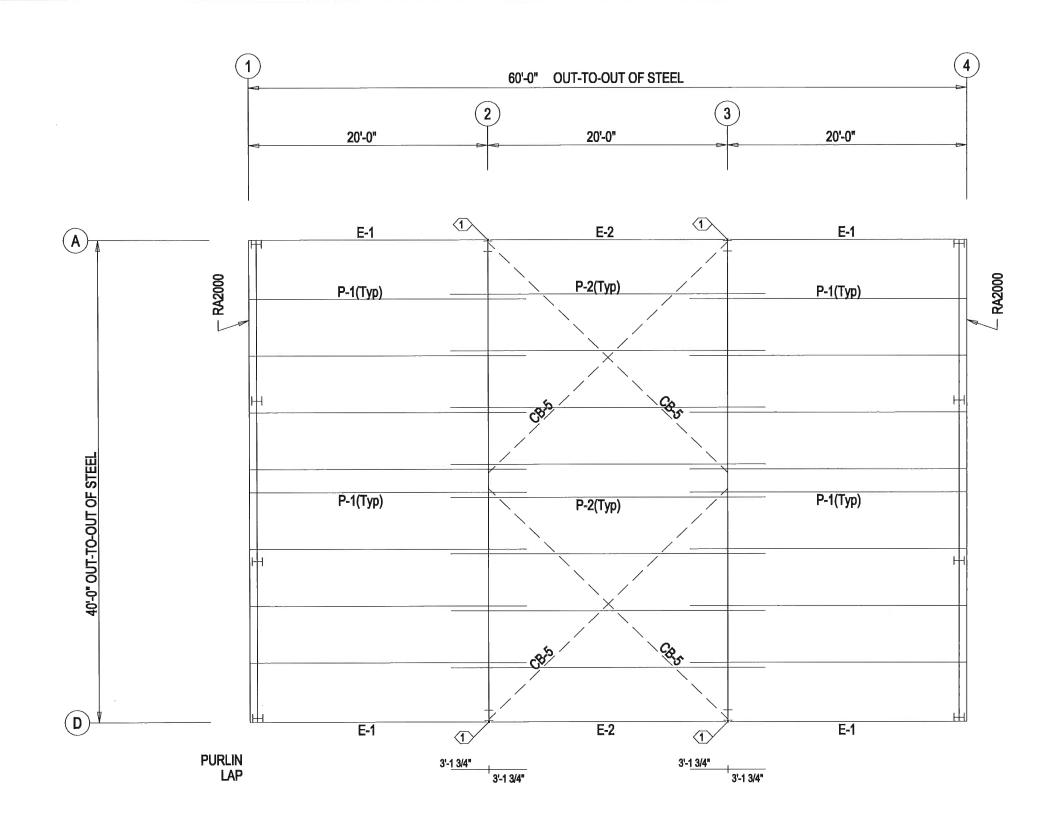
Rhino Steel Bldgs						
PROJECT	Project	ENDWALL FRAMI	ENDWALL FRAMING			
ID	082820-03	DESIGN:	DRAFT:	CHECK:		
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF		
ADDRESS	City, State Zip		'			



SPECIAL BC	LTS				
ROOF PLAN					
\bigcirc ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

ROOF FRAMING PLAN

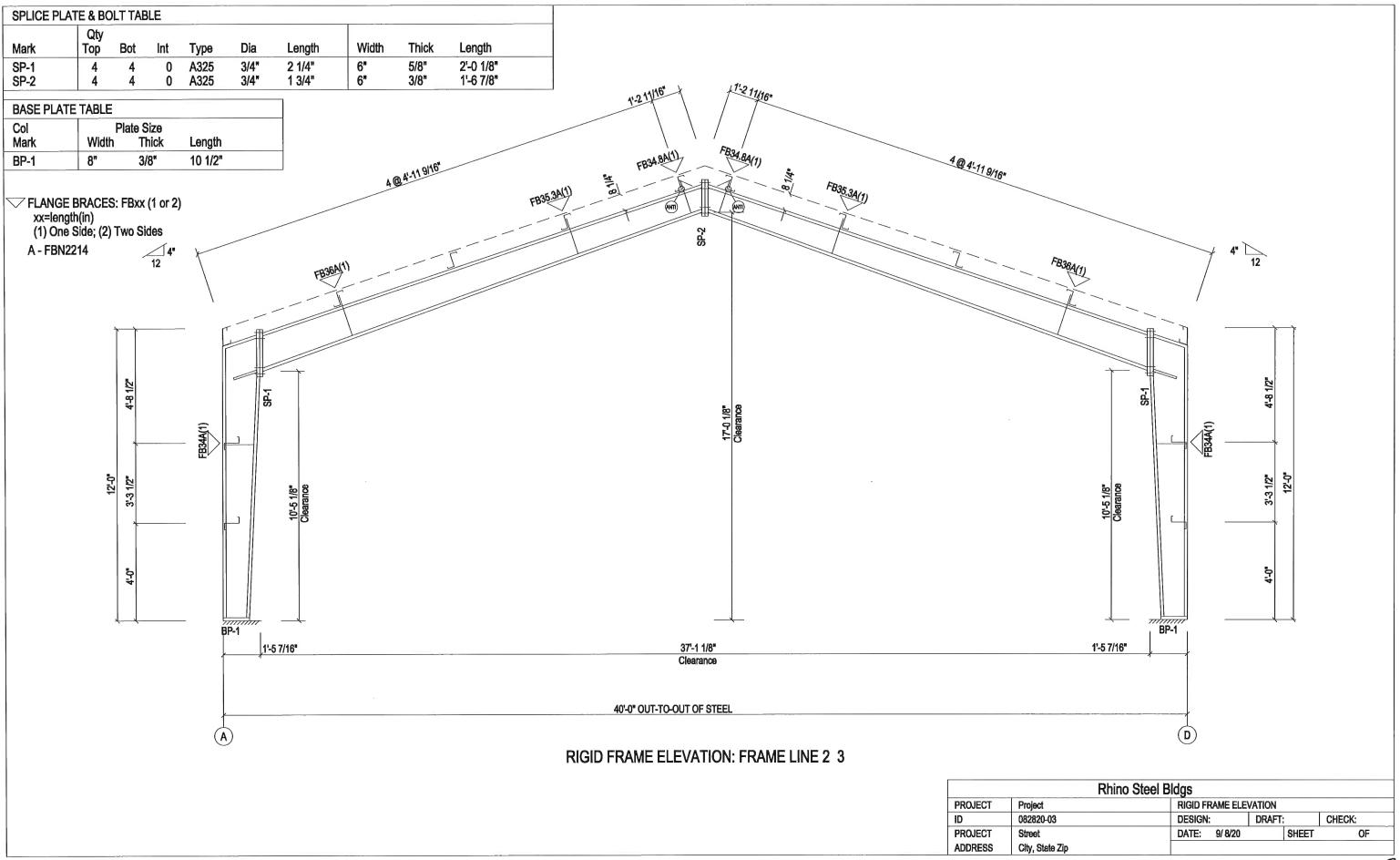
Rhino Steel Bldgs					
PROJECT	Project	ROOF FRAMING			
ID	082820-03	DESIGN:	DRAFT:	CHECK:	
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF	
ADDRESS	City, State Zip	2			

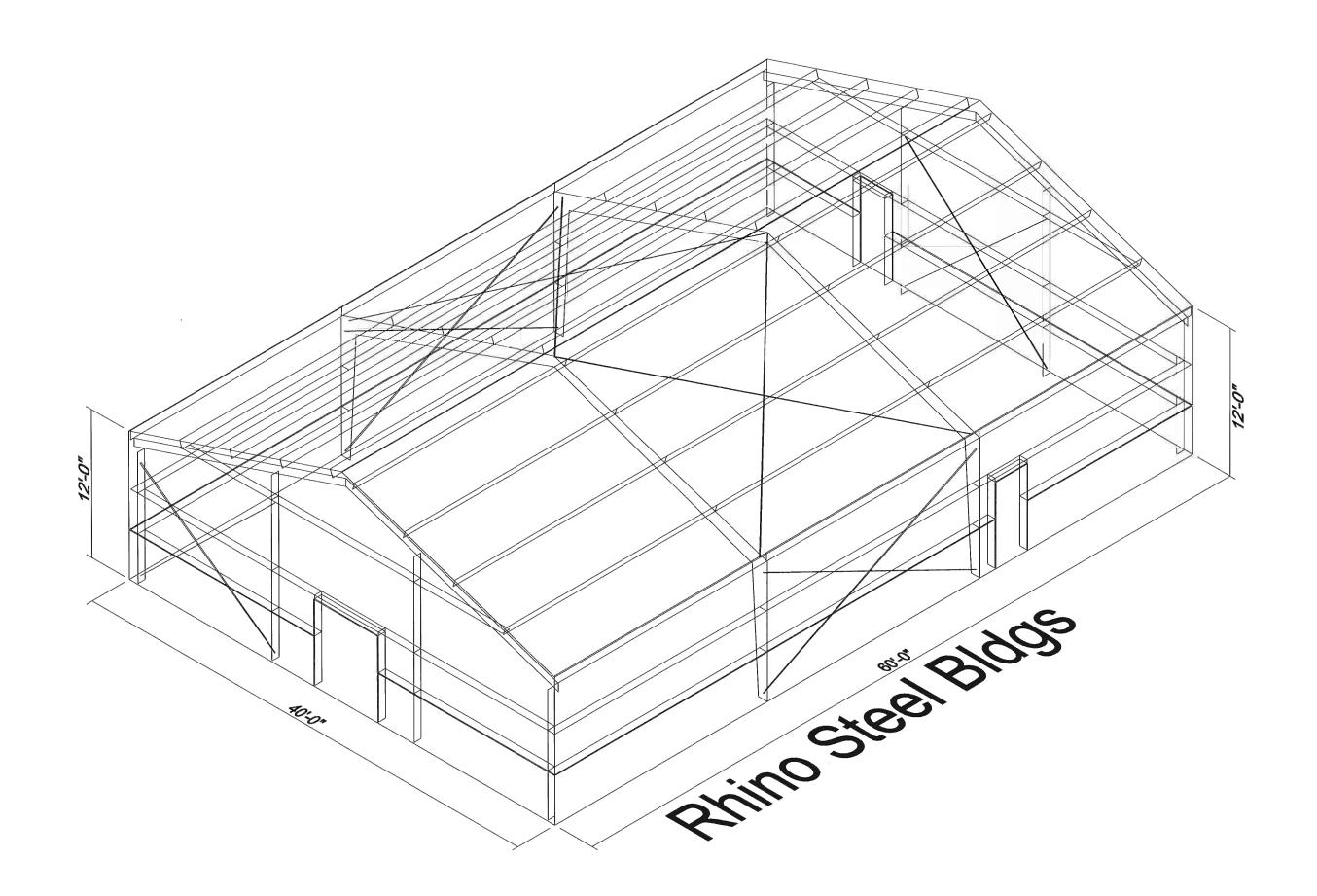


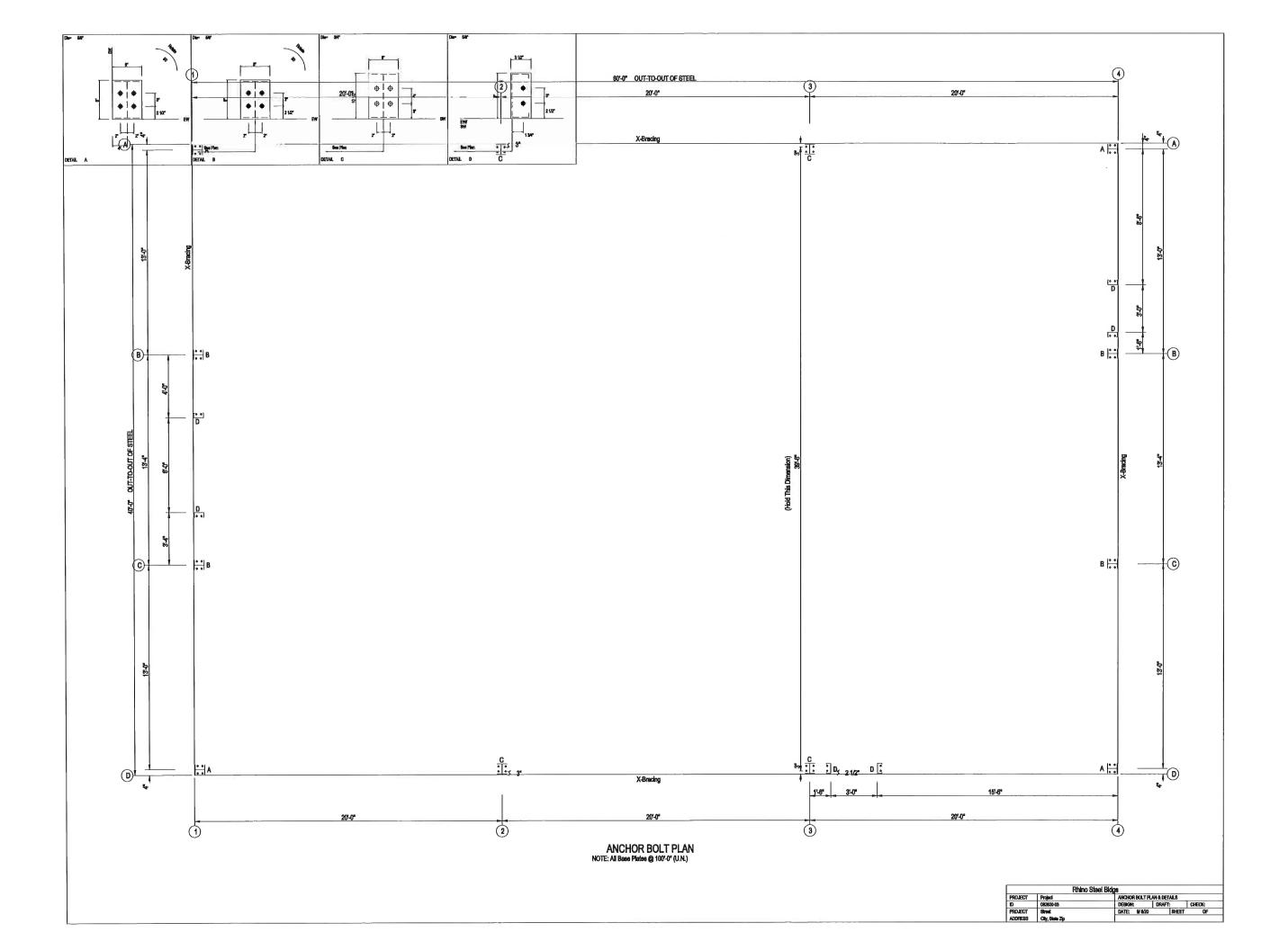
SPECIAL BC									
ROOF PLAN									
\bigcirc ID	QUAN	TYPE	DIA	LENGTH	WASH				
1	4	A307	1/2"	1 1/4"	0				

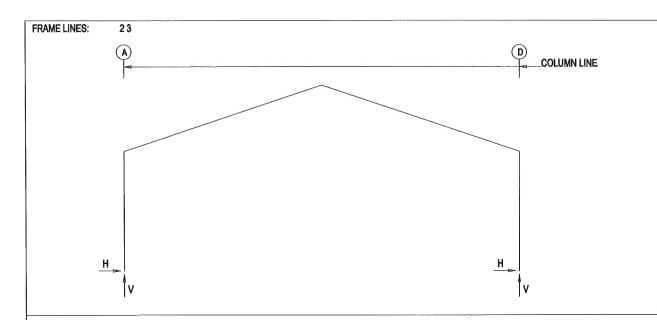
ROOF FRAMING PLAN

	Rhin	o Steel Bldgs		
PROJECT	Project	ROOF FRAMING		
ID	082820-03	DESIGN:	DRAFT:	CHECK:
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF
ADDRESS	City, State Zip			









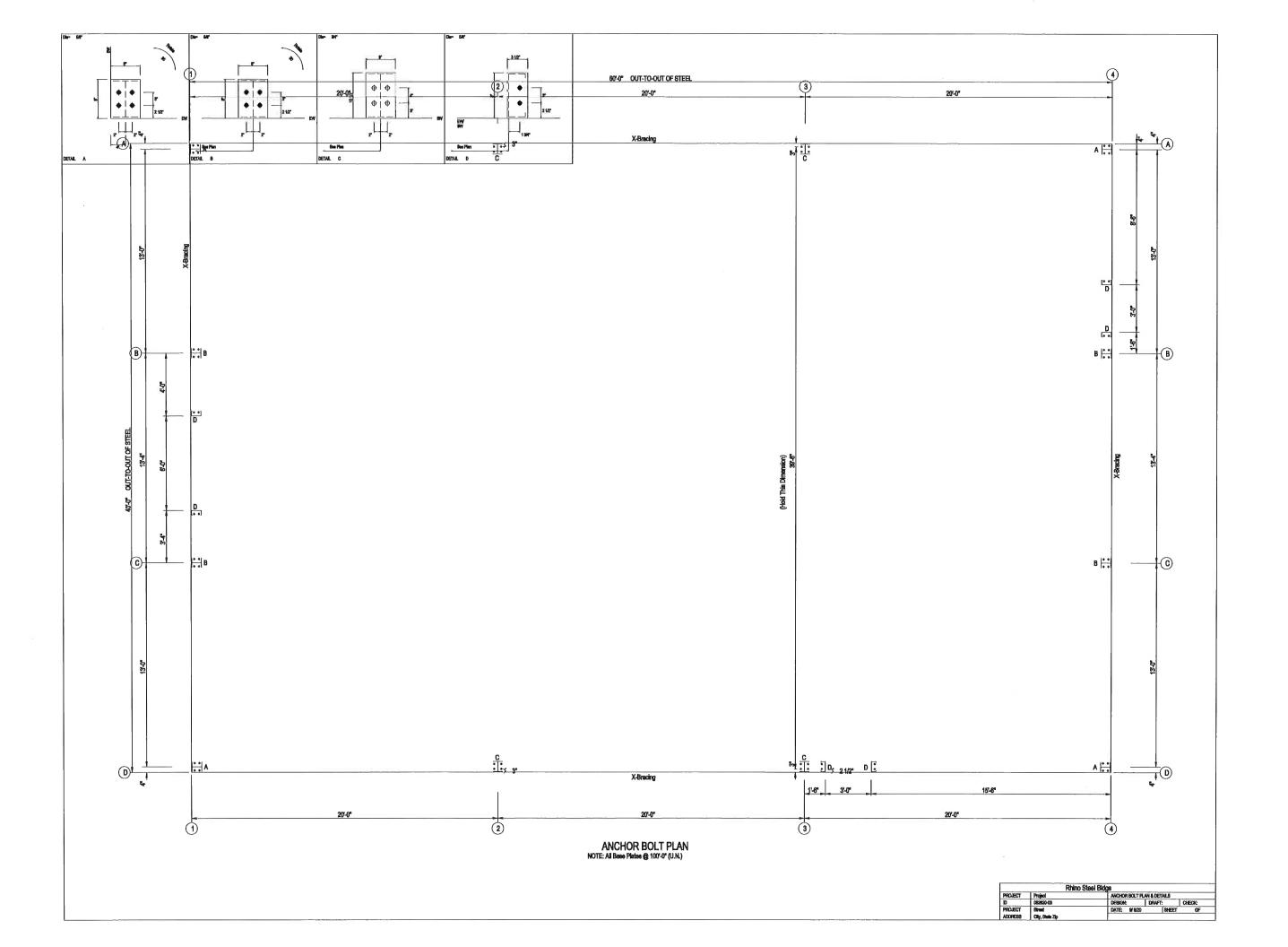
RIGIE	FRAN	ΛE:	Al	NCHOR BO	LTS & BASE	PLATES	
Fm	Col	Anc	Bolt	Base_	Plate (in)	Thick	Elev.
Line	Line	Qty	Dia	Width	Length		(in)
2*	A	4	0.750	8.000	10.50	0.375	0.0
2*	D		0.750	8.000	10.50	0.375	0.0
2*	Frame l	ines:		2 3			

ND	NALL C	OLUM	N:	ANCHOR BOLTS & BASE PLATES			
-m -Ine	Col Line	Anc Qty	Bolt Dia	Base_ Width	Plate (in) Length	Thick	Elev. (in)
l	Α	4	0.625	8.000	8.000	0.500	0.0
1	В	4	0.625	8.000	8.000	0.375	0.0
ı	С	4	0.625	8.000	8.000	0.375	0.0
	D	4	0.625	8.000	8.000	0.500	0.0
	D	4	0.625	8.000	8.000	0.500	0.0
	С	4	0.625	8.000	8.000	0.375	0.0
ļ	В	4	0.625	8.000	8.000	0.375	0.0
	Α	4	0.625	8.000	8.000	0.500	0.0

BUILD	DING	BRACI	NG REA	CTIO	NS			
Wa	all —	- Col	<u></u>	Reacti		Ismic -	Panel_{	
Loc	Line	Line	Horz	Vert	Horz	Vert	Wind	Sels
L EW	1	A,B	1.5	1.8	2.4	2.9		
F SW	D	2,3	2.5	1.3	6.5	3.3		
R EW	4	C,B	1.5	1.7	2.4	2.7		
B SW	À	3,2	2.5	1.3	6.5	3.3		

2*	Frame lines:	2 3						
END	WALL COLUI	MN: BAS	SIC COLUMN REACTI	ONS (k)				
Frm Line 1 1 1	Col Dead Line Vert A 0.3 B 0.6 C 0.6 D 0.3	Collat Liv Vert Ve 0.3 1.1 0.8 3.0 0.8 3.0 0.3 1.1		Wind_Left1 Horz Vert -1.5 -3.2 0.0 -1.7 0.0 -1.9 0.0 -1.6	Wind_Right1 Horz Vert 0.0 0.8 1.5 -4.4 0.0 -3.6 0.0 -1.3	Wind_Left2 Horz Vert -1.5 -2.5 0.0 -0.8 0.0 -1.1 0.0 -0.8	Wind_Right2 Horz Vert 0.0 1.6 1.5 -3.5 0.0 -2.7 0.0 -0.5	Wind Press Horz 0.0 -2.0 -2.0 0.0
Frm Line 1 1 1	Col Suct Line Horz A 0.0 B 2.3 C 2.3 D 0.0	Wind_Long1 Horz Vert 0.0 -0.5 0.7 -4.4 0.0 -2.1 0.0 -0.9	Wind Long2 Horz Verl -0.7 -1.8 0.0 -1.2 0.0 -3.3 0.0 -1.6	Sels_Left Horz Ver -3.2 -3.7 0.0 3.7 0.0 0.3 0.0 -0.2	Seis_Right t Horz Vei 0.0 4.7 3.2 -4.7 0.0 -0.3 0.0 0.2	-MIN_SNOW- rt Horz Ver 0.0 1.1 0.0 3.0 0.0 3.0 0.0 1.1		rt
Fm Une 1 1 1	Col E1UNB Line Horz A 0.0 B 0.0 C 0.0 D 0.0	SL_R- Vert 0.3 1.3 3.6 1.1						
Fm Line 4 4 4 4	Col Dead Line Vert D 0.3 C 0.6 B 0.6 A 0.3	Collat Vert Ve 0.3 1.1 0.8 3.0 0.8 3.0 0.3 1.1		Wind_Left1 Horz Vert 0.0 -1.3 -1.5 -5.3 0.0 -0.3 0.0 -1.5	Wind_Right1 Horz Vert 0.0 -1.5 0.0 -0.3 1.5 -5.3 0.0 -1.3	Wind_Left2 Horz Vert 0.0 -0.5 -1.5 -4.5 0.0 0.6 0.0 -0.8	Wind_Right2 Horz Vert 0.0 -0.8 0.0 0.6 1.5 -4.5 0.0 -0.5	Wind Press Horz 0.0 -2.0 -2.0 0.0
Frm Line 4 4 4	Wind	Wind_Long1 Horz Vert 0.0 -1.6 0.0 -2.6 0.7 -2.8 0.0 -0.9	Wind_Long2 Horz Vert 0.0 -0.9 -0.7 -2.8 0.0 -2.6 0.0 -1.6	Sels_Left Horz Veri 0.0 0.2 -3.2 -3.8 0.0 3.7 0.0 -0.1	Seis_Right t Horz Vei 0.0 -0.1 0.0 3.7 3.2 -3.8 0.0 0.2	-MIN_SNOW- t Horz Ver 0.0 1.1 0.0 3.0 0.0 3.0 0.0 1.1	E2UNB_SL_L- Horz Ve 0.0 1.1 0.0 3.6 0.0 1.3 0.0 0.3	rt
Frm Line 4 4 4 4	Col E2UNB Line Horz D 0.0 C 0.0 B 0.0 A 0.0	SL_R- Vert 0.3 1.3 3.6 1.1						

Rhino Steel Bldgs								
PROJECT	Project	ANCHOR BOLT RE	ACTIONS					
ID	082820-03	DESIGN:	DRAFT:	CHECK:				
PROJECT	Street	DATE: 9/ 8/20	SHEET	OF				
ADDRESS	City, State Zip							

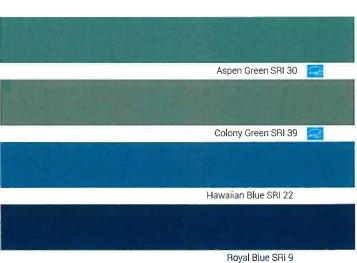


















ACTION ITEM - B

DATE: September 9, 2020

RE: Zola's Demolition Project Contractor Selection

TO: Honorable Board President and Harbor District Board Members

ISSUED BY: Gary Dehlinger, Port Manager

OVERVIEW

• Invitation to Bid (RFP) for Zola's Demolition Project was advertised in our local newspaper, Port website and The World publication.

Port received two bids prior to deadline.

- Bid packages were received and reviewed by Jack Akin/EMC Engineers and Martha Rice/Port Legal Counsel.
- Jack Akin/EMC Engineers provided his contractor selection recommendation for lowest responsive bidder McLennan Excavation, Inc.
- Port budget for the demolition and restoration work is \$50,000. Lowest bidder was \$18,700 higher than the current budgeted amount. Port Staff recommends increasing the budget amount for this work.

DOCUMENTS

- Project Schedule / Timeline, 1 page
- EMC Engineers/Scientists Recommendation, 1 page
- Draft Contract Agreement, 3 pages

COMMISSIONERS ACTION

Recommended Motion:

Motion to approve McLennan Excavation, Inc. the lowest responsive bidder for the Zola's Demolition Project. Authorize the Port Manager to execute the contract agreement and increase the budget for this work to \$68,700.

portmanager@portofbrookingsharbor.com

From:

Jack <emc@emcengineersscientists.com>

Sent:

Friday, September 4, 2020 12:48 PM

To:

portmanager@portofbrookingsharbor.com; Travis Webster

Subject:

RE: Port of Brookings Harbor - Zola's Demolition Project

Our review of the bids is completed.

There were two bidders. The difference between the bids were uncharacteristically great.

Billeter Marine's bid was \$295,000. McLennan's was \$68, 700. Billetter used McLennan as a sub-contractor. McLennan's subcontract budget, a component of Billeter's total bid price, which was for the asphalt paving alone, was higher than the total bid put forth by McLennan in their own bid for doing the entire project.

So the first question is, does the McLennan bid seem reasonable. In the area it is reasonable to see costs for single story wood building demolition to range between \$4 – \$8/sf. It is also reasonable to see asphalt overlay priced at about \$160/sf, and asphalt paving at \$3/sf. Grinding is reasonable at less than \$2/sf. \$1400/Type I manhole, installed, and \$28/ft. for pipe is also in the ball park.

So though I would say McLennan's bid is "tight", it certainly looks reasonable and profitable for about 6000 sf of asphalt, 6000 sf of asphalt overlay, the demolition of Zola's building, curb work and the described stormwater sewer work.

It is not characteristic, in my experience, to see Billeter Marine to bid so high (e.g. approx.. \$10/sf for asphalt and overlay) and so out of the acceptable bid range. My first guess would be that they are very busy and may have misunderstood the project.

Our recommendation is to accept McLennan's bid.

Jack Akin, MS, PE, IC, HMS, AI EMC-Engineers/Scientists, LLC

Ph: 541.474-9434 Cell: 541.261.9929 emc@emcengineersscientists.com

www.emcengineersscientists.com

Fax: 541.727.5488

From: portmanager@portofbrookingsharbor.com

Sent: Friday, September 4, 2020 11:02 AM

To: 'Jack '

Cc: 'Travis Webster'; 'Kim Boom'

Subject: Port of Brookings Harbor - Zola's Demolition Project

Jack,

Can you give me your review and recommendation for contractor selection for Zola's Demolition Project by next Tuesday? We have another special commissioner meeting on Wednesday September 9 were I want the Board to

Bid Doc #1: REQUEST FOR PROPOSALS

Port of Brookings Harbor - Zola's Pizza Demolition, Curbing and Asphalt Paving

Note to Bidders

The following bid documents (Bid Doc #s 1-5), are available as of August 19^{th} 2020, summarized as follows:

The Port of Brookings Harbor is soliciting bids for a project requiring a building demolition, planter curbing and asphalt paving. Below are the general tasks included in the Scope of Work. Details are presented in Bid Doc #5, which also references the attached drawing package entitled ZOLA'S PIZZA DEMOLITION AND ADDITIONAL PARKING.

The bid should propose to 1. After assuring that all utilities have been capped, locked out and/or disconnected, demolish the former Zola's Pizza building and foundation; 2. Clean up all materials from the demolition; 3. Excavate and rough grade the designated area; 4. Install storm conveyance pipes and catch basins; 5. Construct planter curbing; 6. Construct asphalt pavement and 7. Place parking stripes.

Proposal Receipt Deadline: September 2nd, 2020

Work To be Completed, Selection Process, Contract Considerations and Required Submittals - The qualified bidder is referred to the Port of Brookings Harbor website http://www.portofbrookingsharbor.com, click "Port of Brookings Harbor - Zola's Pizza Building Demolition and Additional Parking" and then review and/or download

Bid Doc #1: REQUEST FOR PROPOSALS - Port of Brookings Harbor - Zola's Pizza Building Demolition and Additional Parking.

Bid Doc #2: BIDDING INSTRUCTIONS:

Bid Doc #3: PORT OF BROOKINGS HARBOR ADDENDUM TO BIDDING **INSTRUCTIONS:**

Bid Doc #4: BID SHEET (with Addendum), and

Bid Doc #5: SPECIFICATIONS AND DRAWINGS - Port of Brookings Harbor -Zola's Pizza Building Demolition and Additional Parking.

Schedule / Timeline

RFP announced: August 19th, 2020

Bid Sheet provided: August 19th, 2020

Proposal submission deadline: September 2nd, 2020

Contractor Selection: September 4th, 2020

Execute agreement: September 9th, 2020

• Deadline for completion: October 15th, 2020



AGREEMENT

THIS AGREEMENT, between Port of Brookings Harbor, a special district of the State of Oregon, hereinafter called the "Port and ______ doing business as (an individual,) or (a partnership,) or (a corporation) hereinafter called the "Contractor" for the Project entitled "PORT OF BROOKINGS HARBOR - ZOLA'S PIZZA DEMOLITION AND ADDITIONAL PARKING", hereinafter called the "Project".

This Agreement means "Contract" and/or "Contract Documents", and includes the following:

- Instruction to Bidders
- Approved Material, Product or Equipment Substitutions
- Revised Bid Sheet
- Residency Statement
- First-Tier Subcontractor Disclosure Form
- Bid Security
- Drawings
- Specifications
- General Conditions for Public Improvement Contracts
- Supplemental General Conditions
- Addenda
- Payment Bond
- Performance Bond
- Notice of Intent to Award
- Agreement
- Agreement Amendments
- Insurance Certificates
- Notice to Proceed
- Change Orders
- Approved Shop Drawings
- Notice of Substantial completion or Project Acceptance
- Warranty Period

WITNESSETH: That for and in consideration of, the payments and Agreement hereinafter mentioned: The Contractor will commence and complete the construction of the Project. The Contractor acknowledges receipt of all Contract Documents in existence at the date the Agreement is signed; and

The Contractor will furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the Project described herein; and

In the event the Contractor fails to complete the work within the stipulated contract period, the Contractor shall be liable for and shall pay to the Port a penalty in the amount of two-hundred and fifty dollars (\$250.00) per calendar day to commence on the first calendar day after the required completion date and to continue after each and every calendar day until all work is satisfactorily completed as specified in the Contract Documents; and

The Contractor agrees to perform all of the Work described in the Contract Documents and comply with the terms therein for the fixed sum of \$ Unless the Contract Price is modified by executed Change Order; and

The Contractor shall certify in the Agreement, and it shall be a condition of the bond, as provided by ORS 279C.800 through 279C.878, that in performing this Agreement the Contractor will pay and cause to be paid not less than the prevailing rate of wages as of the date of the public notice, per hour, per day, and per week for and to each and every workman who may be employed in and about the performance of this Contract; and

The Contractor certifies and shall comply with all applicable Public Contract Laws to include ORS 279C.500 to ORS 279C.530 and the Oregon Worker's Compensation Laws as required by ORS 656.017 or the Davis Bacon Act 40 USC 276a; and

The Contractor shall pay a fee equal to one-tenth of one percent (0.1 percent) of the price of this Contract. The fee shall be paid on or before the first progress payment or 60 calendar days from the date work first began on the Contract, whichever comes first. The fee is payable to the Bureau of Labor and Industries; and

The Contractor certifies, under penalty of perjury, that the Contractor's Company is not in violation of any Oregon tax laws; and

The Contractor has read and fully understands all Contract Documents, Contract terms and conditions and understands that in signing this Agreement the Contractor waives all rights to plead any misunderstandings regarding the same; and

The Port agrees to pay the Contractor in the manner and at such times as set forth in the General Conditions such amounts as required by the Agreement, unless otherwise modified by written notice or executed Change Order; and

Should any clause or section of this Agreement be declared by court to be void or voidable, the remainder of this Agreement shall remain in full force and effect. Any attorney fees, costs and disbursements necessary to enforce this Contract through litigation including appeals shall be awarded to the prevailing party. Any mediation or arbitration costs shall be split equally between the parties; and

The Agreement is executed in the State of Oregon and is subject to Oregon law and jurisdiction it is executed in; and

Failure to enforce any provision of this Contract does not constitute a continuing waiver of that provision, any other provision, or the entire Contract. Contractor waives any right to Claim mistake or misrepresentation regarding the terms and conditions of the Contract Documents and the present and/or reasonably foreseeable conditions which may affect the Project site(s); and

Contractor covenants and agrees to bind any and all Subcontractor(s) for performance of work under this Agreement. Any reference to Contractor shall include any and all "Subcontractor(s)" ad infinitum; and

The rights and duties under this Agreement shall not be modified, delegated, transferred or assigned, except upon written signed consent of both parties. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors and assigns.

THE CONTRACT DOCUMENTS CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES. NO WAIVER, CONSENT, MODIFICATION OR CHANGE IN TERMS OF THIS CONTRACT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY BOTH PARTIES. SUCH WAIVER, CONSENT, MODIFICATION OR CHANGE, IF MADE, SHALL BE EFFECTIVEE ONLY FOR THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN NOTICE SPECIFIED HEREIN REGARDING THIS CONTRACT. THE CONTRACTOR, BY SIGNATURE OF ITS AUTHORIZED REPRESENTATIVE, HERENY ACKNOWLEDGES THAT HE/SHE HAS READ THIS CONTRACT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

IN WITHNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in duplicate, each of which shall be deemed an original on the date executed by all parties.

CONTRACTOR:

Company Name:	Signature:	
Typed Name:	Title:	
Federal Tax ID No.:	CCB Number:	
PORT:	Approved by Port's Legal Counsel	
Name:	Name:	
Signature:	Signature:	
Typed Name:	Typed Name:	
Title:	Title:	
Date:	Date:	

End of Agreement

INFORMATION ITEM – A

DATE: September 9, 2020

RE: Dredge Spoil Information from Jack Akin/EMC Engineers

TO: Honorable Board President and Harbor District Board Members

ISSUED BY: Gary Dehlinger, Port Manager

OVERVIEW

 Question about dredge spoil used for subbase was raised during the September 3 Special Commissioner Meeting.

• Jack Akin/EMC Engineers provided additional information.

DOCUMENTS

• Email from Jack Akin/EMC Engineers, 1 page



Travis Webster <travis@portofbrookingsharbor.com>

commisioner request

Jack <emc@emcengineersscientists.com> To: Travis Webster <travis@portofbrookingsharbor.com> Fri, Sep 4, 2020 at 10:02 AM

Hey Travis.

Roy is absolutely right. Dredge spoils, primarily of sand should NOT be used as a subbase. There is some variance in grain sizes (gradation) in this material because of a higher-than-normal amount of silt. This characteristics helps for better compaction. But again, it should NOT be used as a subbase.

Subbase must be larger rock, compacted, with underlying geofabric to allow moisture movement without allowing sand to work up through the subbase. On top of that subbase must be 4-9" of compacted 3/4" minus, angular stone leveling course which will mix in part with the asphalt to form a firm matt. A roll test must be performed as specified in the drawings. We must, by the way, be assured that the dredged material is dry and compacted prior to further construction. In some areas this will be very quick, but there are a few areas where the underlying soils are not so pervious and the draining process may take a little longer.

We may find that we will need to put an extra six inches of heavier rock beneath the abovedescribed construction.

More specific construction design will be performed for the final construction drawings.

Nevertheless, Roy's concern is well taken, and we will take extra care on this, especially since we have such a large total area where we are using the dredged sand and silt. We know the physical properties of the Port of Brookings sands because we have analyzed it several times and in several locations during sampling events in the recent past.

Also, we do have room in the budget to bring a Geotech and/or a qualified geologist in for some consulting as well.

Please let me know if there are any more concerns RE this, or others. There are NO unimportant questions. Better safe than sorry. As an engineer, it has been my experience that a good question can save us all a lot of embarrassment, and makes for a better project.