



Date: September 9, 2024

Project: Port Fourchon – Shell – Crane Structure

Location: Port Fourchon, LA

Scope of Work:

Salacia Construction proposes to provide labor, equipment, and material for the following:

Crane Support Structure (Butler MFG)

Design Documents	\$233,750
- 2 weeks to finalize design requirements	
- 6 weeks to complete design documents	
Erection and Fabrication Drawings	\$255,750
- 8 weeks to complete Shop drawings	
Fabricate and Ship Structure	\$2,057,048
- 22 weeks deliver from approved shop	

Clarifications

- **See attached clarification from Butler**
- **Does not include paint spec**
- **Does not include erection**



Conventional Steel Services

1540 Genessee Street
Kansas City, MO 64102

Phone: (804) 296-9188
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QUOTE NUMBER: C242292R2

Date: September 5, 2024

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Project Name:	Shell Fourchon Junction		
Project Location:	Port Fourchon, Louisiana in Lafourche County.	Quote Number:	C242292R2
Builder:	SALACIA CONSTRUCTION LLC 6 Chalmers St BLUFFTON, SC 29910	Phone:	843.212.2969
		Attention:	James Welch

Thank you for allowing Butler Manufacturing to provide this proposal for your project referenced above. It is our mission to provide a comprehensive Butler Manufacturing solution that will result in a mutually successful project. The following will be the basis of our proposal:

Design Parameters:

Building Code	IBC15
Risk Category	Standard
Roof Live Load	20 psf (Reducible)
Roof Dead Load	5.00 psf (Roof Deck where occurs) + Structural Self Weight
Ground Snow Load	0.00 psf
Roof Snow Load	0.00 psf
Roof Collateral Load	5.00 psf (Misc.)
Concentrated Loads	No RTUs or Others Considered
Wind Load	164 mph Exposure D
Seismic S _s /S ₁	8.10% / 4.30% Soil D
Seismic Design Category	B
Assume Weight of Walls	0.00 psf – walls are open
Floors	No Elevated Floors Included or Considered
Cranes	Cranes have been considered. See 6.0 CRANE RELATED NOTES section for crane data considered
Building Deflection Criteria:	
Roof Framing	L/240 for Roof Live Load ONLY.
Lateral Building Drift	H/100 based on 10-year wind.
Lateral Building Drift	H/300 due to crane.
Floor Framing	NA
Wall Girts	NA
All other materials	Per Code
Factory Mutual	Not Considered
Buy American	Not Included
Roof Purlin Type	WF Joists (where occurs for B-deck)

*Proposal based on architectural drawings dated 09/08/23

It is the builder's responsibility to review this Proposal Letter and its contents in its entirety. The builder shall advise Butler if there are any corrections or revisions to the loads, conditions, or scope contained herein.

PRICING SUMMARY:

- In the event there are any price increases for Goods not manufactured by Butler at any time after date of Order entry and prior to shipment, Butler will notify the Builder of such price increase and may issue a change order for such increase. See full escalation language in 8.0 Standard Supplier Notes sections below.

UNIT 1

Butler Conventional Structure:
Crane Structure

Unit	Width	Length	Unit Area (SF)	Max. Deck Brg	Min. Deck Brg	Slope
Crane Structure	203'-4"	91'-2"	18,537	48'-9"	44'-6"	1/4:12

Product	Plant	Ship Weight (lbs)	Approx # of Trucks
Structural Steel*	Rainsville	749,066	25
Roof Rod Bracing*	Rainsville	8,222	1
Roof Deck*	varies	58,220	2
Total		815,507	28

*Freight Included to Jobsite

PRICE INCLUDES:

Quantity	Description
20	Fixed Base Columns/Posts
260	Beams
540	Bracing Members
286	Roof Deck Squares: 1½" B 16GA G90
ALL	Quantity for all Roof/Floor #10 SDS Sidelap Fasteners
1	Roof System(s) included. See 3.0 ROOF RELATED NOTES for roof types and scope.
NO	Wall System(s) included. See 5.0 WALL RELATED NOTES for wall types and scope.
YES	Crane Steel is included. See 6.0 CRANE RELATED NOTES for crane types, loads, and scope
NO	Site Visits are included
ALL	Engineering/Detailing/Fabrication Charges
ALL	Project Management for all materials and design included in the scope of this proposal.
ALL	Freight Included: Freight on Board (FOB) manufacturing plant with freight prepaid to jobsite
YES	Column Bearing Drawings and Reactions required
YES	APPROVAL DRAWINGS required
YES	PERMIT DRAWINGS required
NO	SHOP DRAWINGS required
YES	Electronic files will be provided in PDF format only. No BIM, AutoCAD or other file sharing is included.
1	Set of Sign and Sealed drawings will be provided to the builder after all design and approvals are complete
	*Some quantities may change after final design

PROJECT SCOPE DESCRIPTIONS AND NOTES

1.0 SUMMARY OF ALTERNATES:

Alternate 1	Add for ALL Welded Connections
Alternate Notes:	Additional fee for services as follows: <ul style="list-style-type: none"> - All connections for the structure will be shop welded, except where not practical, they will be field welded with erection bolts supplied by Butler (it should be noted that many of the field welds may require full penetration welding). - 3rd party field inspection should be employed by others to assure field welds are satisfactory and meet specifications.

Alternate 2	Add for Hot-Dipped Galvanizing
Alternate Notes:	<p>Additional fee for services as follows:</p> <ul style="list-style-type: none"> - All steel shall be hot-dipped galvanized prior to arriving at site. The additional price for the prep, galvanizing, and additional freight is included in this proposal. - All hot-dipped galvanized material provided by Butler shall be provided in accordance with ASTM A123. It should be noted that the appearance of the finished galvanized product may vary and is beyond Butler's control. Some variances include areas that are shiny, matted, mottled, streaked and spotted with dark or brown coloring. - Galvanized bolts shall be provided by Butler. - Some field work may be required when installing galvanized bolts into standard size galvanized steel bolt holes. It is recommended to have the galvanizer 'blow out' the holes after galvanizing to keep the zinc 'fill' to a minimum. - Standard Butler wire tags shall be provided on all steel requiring galvanizing. -

2.0 GENERAL NOTES:

- 2.1. The following notes may list materials or services that are not included in the scope of this proposal. If materials or services listed in the *Price Includes* section above contradict these notes, **the Price Includes section shall govern**. Only the materials and services listed in the *Price Includes* section above are included in the scope of this proposal.
- 2.2. Refer to provided **Proposal Layouts** for additional clarification.
- 2.3. This **document shall govern** over any Proposal Layouts provided with this proposal.
- 2.4. If a **site-specific study** is required to determine site class or seismic related data, it shall be provided by others. If, after the site-specific study, the design data changes, the builder shall be required to pay for any additional material as the result of loading requirements higher than specified in this document.
- 2.5. It is highly recommended that the builder understands the differences in erecting conventional and metal building components or consults an expert that does. This understanding will help with **project efficiency and success**.
- 2.6. Any **order shipment or delivery dates** provided by Butler are **preliminary**. These preliminary dates are the best estimate that can be provided with the information available at the time the estimate is provided. Preliminary order shipment or delivery dates are subject to change. Butler is not and cannot be held responsible for any claimed damages, direct, liquidated, incidental, special, indirect, or consequential or otherwise, for a delay in shipment or delivery.
- 2.7. **Steel delivery** has not been finalized. Once the building is ordered, a reasonable schedule will be discussed and agreed upon with milestone dates listed. Any significant architectural delays or changes may affect our milestone dates and pricing. If a delivery schedule has been discussed and the order is not received within 4 working days of the proposal date, the previously discussed delivery schedule will need to be re-confirmed.
- 2.8. All **loads** listed in the Design Parameters above shall be verified by the Engineer of Record (EOR). Any changes to these loads may affect the building design and price.
- 2.9. **Clear height requirements:** As required for Crane Hook Height and other crane clearance requirements.
- 2.10. **Building elevations:** See table on Pricing Summary above.
- 2.11. Bottom of column **baseplates** are located 6" below the top of finished floor slab. This assumes 2" of grout and a top of foundation of 8" below the top of finished floor slab.
- 2.12. If fixed base **columns** are required, the overturning loads applied to the foundations may significantly affect foundation size requirements.
- 2.13. To accommodate anchor rod installation tolerances, **oversized base plate holes** are provided per the AISC recommended maximum sizes for anchor rod holes in base plates. The oversized holes require plate washers that will be provided by Butler. Project design criteria will determine if plate washers are required to be field welded to the base plates. Although it is likely that the majority of the plate washers will not

- require field welding, it is recommended that the builder's installation and labor estimates conservatively assume that welding is required.
- 2.14. **Differential settlement** of foundations has not been considered in the design for this proposal.
 - 2.15. **Column** sizes will vary.
 - 2.16. Building **bracing** shall be a combination of x-bracing angles, moment frames, diagonal tubes. All columns to be fixed base columns.
 - 2.17. This project has been designed to reduce, but not entirely eliminate, the need for **field welding**. Field welded connections may be required for bar joist seats, joist girder seats, flange braces, material attached to concrete/masonry walls, roof/floor edge angles, framing struts, and RTU/skylight support angles. Field welded connections may be required where shop assemblies or field bolted assemblies are not practical. Stock length angles will require field cutting.
 - 2.18. Butler can only offer assistance with the **LEED credit** of recycled content. If requested at time of order, Butler can provide documentation on the recycled content of the steel. Any documents or paperwork for this credit is assumed to be provided and completed by others. Butler Manufacturing cannot guarantee that information provided will qualify for LEED credit.
 - 2.19. Some complicated framing, even when fabricated within Butler tolerances, may require **shims** or finger shims. Shims shall be 1/16" and can be stacked, if necessary. See Butler Manufacturing Erection Standards for more information. Shimming of connections by the erector may be expected to maintain key dimensions such as clearance, height and plumbness of the erected building. Shims are normally provided by the steel erector but may be ordered upon request by contacting your project manager.
 - 2.20. All steel is **prime painted** unless specifically stated otherwise. See 8.0 STANDARD SUPPLIER NOTES for primer paint information.
 - 2.21. **Fall arrest systems** have not been considered or included.
 - 2.22. The **plan review** process (either city/county or builder) may result in additional material and/or engineering. This additional material and/or engineering will be price added as required.
 - 2.23. All electronic files will be provided in **PDF format** unless otherwise stated in this document. BIM or 3D Models (including IFC or REVIT files), AutoCAD files, or other format type deliverables are NOT included in this proposal. See 1.0 ALTERNATES to include any of these additional file types, if requested.
 - 2.24. **Engineering design for structural steel** is provided by Butler. **All other structural design**, including but not limited to foundations, slab-on-grade, concrete floors, retaining walls, concrete walls, masonry walls, metal studs, stairs, miscellaneous steel, etc., **are NOT provided** by Butler. Butler will ONLY provide the material for the STRUCTURAL STEEL listed above in the *Price Includes* section. See 1.0 ALTERNATES for other design services, if requested.
 - 2.25. **On-site building inspections and testing** are by others. If 3rd party inspections and testing are required, they shall be provided and paid for by others.
 - 2.26. If **3rd party special shop fabrication inspections and testing** are required, they shall be provided and paid for by others. Butler will coordinate with the inspector, as required, during fabrication of material requiring inspection.
 - 2.27. Unless listed in the Price Includes section, no **site visits** of any kind have been included in the scope of this proposal. If a site visit is required before, during, or after the construction of the building, builder is responsible for all travel and time related expenses.
 - 2.28. Builder to confirm the **building sequencing**.
 - 2.29. This building proposal has been provided **WITHOUT Factory Mutual** snow and wind loading. If the insurer for this building requires any Factory Mutual requirements, the Builder is responsible for contacting the local Factory Mutual engineering office to determine any special loadings and purlin brace requirements for this building. Any change to loading, connection design, or material will require a re-design and an updated price.

- 2.30. This building proposal has been provided **WITHOUT "BUY AMERICA"** provisions. Additional fees and material lead-times apply for "BUY AMERICAN" projects. The additional fees and time cover the American materials, the additional time needed to properly track all the material from various suppliers, and the preparation of the supporting documentation.
- 2.31. Builder is responsible for **protecting delivered materials**, including rust protection. Builder is highly encouraged to follow the Butler or supplier recommendations for material site storage. This can include but may not be limited to providing dunnage, storing off of the ground, tarping, and other recommended means of protecting materials. Butler recommends using a galvanized roof deck to help protect the deck from rust, but does not guarantee that galvanizing will prevent all rust.

3.0 ROOF RELATED NOTES:

- 3.1. At **membrane-type roof areas**, all roofing, insulation, membrane, coping, cap flashings, trims, internal drain components (including drain pans and angle supports), gutters, downspouts, and other roof accessories are by others. Roof is assumed to be a membrane roof without ballast material.
- 3.2. **Builder shall specify and supply the roof deck support fasteners** (puddle welds, pneumatic fasteners, Hilti pins, etc.). The #10 TEK screw sidelap fasteners shall be provided by Butler. Fastener type selected by the builder will determine fastener pattern requirements. #12 TEK screw support fasteners can be provided by Butler for an additional cost, if requested. Note that members with flange thicknesses greater than 1/4" may require the pre-drilling of holes in the field, as self-drilling TEK screws may not drill through these thicknesses.
- 3.3. There are no roof panels, light-gauge roof purlins, or roof insulation in the scope of this project. The roof is open (UNO).
- 3.4. All roof finish materials, roof coverings, mansards, overbuilds, crickets, tapered insulation, trims, gutter, downspout, and other roof finishes or **accessories** not specifically listed in the 3.0 ROOF RELATED NOTES section are by others.
- 3.5. No rainwater or drainage calculations shall be provided by Butler. Builder is responsible for confirming the building **drainage requirements**. Butler may be able to supply general design information to assist the Builder in determining the appropriate drainage requirements based on local rainfall intensity, gutter application, etc.
- 3.6. **RTU** structural angle frames are not included in this proposal unless RTUs are specifically listed in the *Design Parameters* above. Angles frames are included for the quantity of RTUs listed in the Design Parameters. Stock length angles shall be provided and shall be field cut to size. Field welded assembly is required.
- 3.7. Elevated **RTU** support curbs are designed & supplied by others.
- 3.8. Unless noted otherwise herein, all **equipment** is assumed to be ground mounted and not located on the roof nor hung from the structure. Additional rooftop equipment or loads may be added and priced upon further detail.
- 3.9. A building expansion joint has not been included on this project.
- 3.10. **Roof access** has not been included or considered.
- 3.11. For roofs with slopes less than 1/4:12, a ponding instability analysis may be required by Chapter 8 "Rain Loads" of ASCE 7, which is not included in this proposal. The result of a ponding instability analysis may require increases in roof member sizes. **Any cost implications of a ponding instability analysis will be the builder's responsibility.** Contact the Sales Engineer listed below if you have any questions.
- 3.12. The roof deck specified is to be located between grids B & C for the purpose of providing shade and shelter for the cranes to be parked under when not in use.

4.0 ELEVATED FLOOR RELATED NOTES:

- 4.1. No elevated floors are included in this proposal.

5.0 WALL RELATED NOTES:

- 5.1. There is no **wall framing or covering** in the scope of this project. The wall system is open.

6.0 CRANE RELATED NOTES

- 6.1. **Crane beams and stops** shall be designed and supplied by Butler. All crane beams are mill.
- 6.2. All **crane beams** shall be delivered as a single piece (no field splices).
- 6.3. All crane rails, suspension system, walkways, rail attachments and other **crane accessories** are by others.
- 6.4. All **cranes** shall be supplied by others.
- 6.5. Multiple cranes in the **same bay** are not allowed. Cranes shall be maintained at a minimum distance of 20'-0" by use of a crane spacer. Crane spacer provided by others.
- 1.1. **(1) 15-ton Underhung Crane** with girder spanning 66'-7 ³/₄" between Grid G.1 and Grid G.2 and runs continuous from Grid A + 20'-7" cantilever to Grid E + 35'-7" cantilever. Crane information and loads were provided by the builder and are per Altrad Sparrows data. Crane data used is as follows:
 - 1.1.1. Bottom of Crane Beam = 34'-0" Above FF ELEV
 - 1.1.2. Hook/Lifting Height = 27'-10.625"
 - 1.1.3. Crane beam attachment to structure by others
 - 1.1.4. Crane attachment to crane beam by others
 - 1.1.5. Crane is assumed to be suspended with a flexible system that only puts vertical load into the support steel and absorbs horizontal forces
 - 1.1.6. Crane Classification = Class C (Moderate Service)
 - 1.1.7. Pendant Operated
 - 1.1.8. Wheel Spacing = 9'-2 ¹/₄"
 - 1.1.9. Weight of Trolley = 6,000#
 - 1.1.10. Weight of Bridge = 26,000#
 - 1.1.11. Maximum Wheel Load = 22,100# (without impact)
 - 1.1.12. Impact – Vertical = 10% of Wheel Load
 - 1.1.13. Impact – Lateral = 20% of Lifted Load + Trolley
 - 1.1.14. Impact – Longitudinal = 10% of Maximum Wheel Load
 - 1.1.15. (12) Crane Beams provided by Butler
- 1.1. **(1) 5-ton Underhung Crane** with girder spanning 50'-1 ¹/₂" between Grid G.2 and Grid G.3 and runs continuous from Grid A + 20'-7" cantilever to Grid E + 35'-7" cantilever. Crane information and loads were provided by the builder and are per Altrad Sparrows data. Crane data used is as follows:
 - 1.1.1. Bottom of Crane Beam = 35'-8.4375" Above FF ELEV
 - 1.1.2. Hook/Lifting Height = 34'-4 ³/₄"
 - 1.1.3. Crane beam attachment to structure by others
 - 1.1.4. Crane attachment to crane beam by others

- 1.1.5. Crane is assumed to be suspended with a flexible system that only puts vertical load into the support steel and absorbs horizontal forces
- 1.1.6. Crane Classification = Class C (Moderate Service)
- 1.1.7. Pendant Operated
- 1.1.8. Wheel Spacing = 9'-2 ¼"
- 1.1.9. Weight of Trolley = 1,700#
- 1.1.10. Weight of Bridge = 14,500#
- 1.1.11. Maximum Wheel Load = 8,800# (without impact)
- 1.1.12. Impact – Vertical = 10% of Wheel Load
- 1.1.13. Impact – Lateral = 20% of Lifted Load + Trolley
- 1.1.14. Impact – Longitudinal = 10% of Maximum Wheel Load
- 1.1.15. (12) Crane Beams provided by Butler
- 1.2. **(1) 5-ton Underhung Crane** with girder spanning 62'-11.375" between Grid G.3 and Grid G.4 and runs continuous from Grid A + 20'-7" cantilever to Grid E + 35'-7" cantilever. Crane information and loads were provided by the builder and are per Altrad Sparrows data. Crane data used is as follows:
 - 1.2.1. Bottom of Crane Beam = 30'-0" Above FF ELEV
 - 1.2.2. Hook/Lifting Height = 33'-9 ¼"
 - 1.2.3. Crane beam attachment to structure by others
 - 1.2.4. Crane attachment to crane beam by others
 - 1.2.5. Crane is assumed to be suspended with a flexible system that only puts vertical load into the support steel and absorbs horizontal forces
 - 1.2.6. Crane Classification = Class C (Moderate Service)
 - 1.2.7. Pendant Operated
 - 1.2.8. Wheel Spacing = 9'-2 ¼"
 - 1.2.9. Weight of Trolley = 1,700#
 - 1.2.10. Weight of Bridge = 15,500#
 - 1.2.11. Maximum Wheel Load = 8,900# (without impact)
 - 1.2.12. Impact – Vertical = 10% of Wheel Load
 - 1.2.13. Impact – Lateral = 20% of Lifted Load + Trolley
 - 1.2.14. Impact – Longitudinal = 10% of Maximum Wheel Load
 - 1.2.15. (12) Crane Beams provided by Butler
- 1.3. All vertical **crane bracing** shall be x-braced angles.
- 1.4. **Field shimming** of runways (crane beams, columns and tie-back areas) will likely be required to maintain required tolerances. Shims are designed and supplied by others.

2.0 MISCELLANEOUS MATERIALS RELATED NOTES:

- 2.1. Any **concentrated load** applied to a bar joist or girder must be within 3" of a panel point. If the concentrated load is 3" or more from a panel point, field welded reinforcing angles are required. Any necessary joist/girder reinforcing angles are NOT included in this proposal. Butler can provide an estimated quantity of this material, if requested by the builder, for an additional cost. Since this material quantity is dependent on field installed conditions, Butler is not responsible to for underestimated quantities supplied.

- 2.2. If puddle welds are used for the deck support fastening method and the deck is less than 22-gage material, **weld washers** will be required. Weld washers shall be supplied by others.
- 2.3. Unless noted otherwise in this document, all anchor bolt diameters, locations, projections, and reactions shall be specified by Butler. It is the responsibility of the end customer, builder, or general contractor to ensure that adequate provisions are made for specifying bolt embedment, bolt type (90-degree, "J" hook, etc.), bearing angles, tie rods, leveling nuts, and other associated items embedded in the concrete foundations. **Anchor bolts, leveling plates, anchor bolt templates, and other base plate accessories** are NOT included in this proposal.
- 2.4. All **miscellaneous steel** items NOT listed in the *Price Includes* section are by others.
- 2.5. All stair stringers, risers, treads, intermediate landings, railings, and other miscellaneous steel associated with **stairs** are by others. Butler will provide a framed opening at the stairwell locations. Intermediate landings shall be supported by non-Butler independent columns. The stair stringers shall be fabricated such that they attach to the framed opening edge beam provided by Butler.
- 2.6. All **elevator** hoist beams and associated elevator framing are by others. This material can be price added upon request.
- 2.7. No **awnings** or **canopy features** have been considered. No additional girts or ledger beams have been provided to support these items. If these items are required, they shall be designed and supplied by others. Additional support material can be price added if Butler needs to supply supports for these items.

3.0 STANDARD SUPPLIER NOTES:

- 3.1. This proposal is subject to the Butler Manufacturing standard **TERMS AND CONDITIONS OF SALE**.
- 3.2. All **financing, payment terms, and/or down payment requirements** shall be determined by Butler Finance or Credit Manager. Please discuss project payment requirements with your contact prior to submitting a purchase order.
- 3.3. It is the **builder's responsibility** to review this Proposal Letter and its contents, and to advise Butler if there are any corrections or revisions to the loads, dimensions, or conditions contained herein.
- 3.4. All **design and material** NOT specifically listed in this proposal is excluded by Butler Manufacturing.
- 3.5. If the builder has **special requirements** (such as standard inclusions or exclusions), it is the builder's responsibility to provide this information to the Sales Engineer prior to order. This proposal may not use Advantage© so any builder specific requirements listed in Advantage© may not be known at the time of the proposal. If this information is provided after the building is ordered, these items will be priced added in a change order.
- 3.6. This is a full structural proposal with all planned Butler structural material included. Items listed herein have been included and should not be duplicated in any other Advantage© pricing. Any additional Butler material (including paneling, trim, insulation, accessories, etc.) shall be priced in Advantage© separately.
- 3.7. Any Advantage© files or proposal layout documentation provided with this proposal are for informational purposes only and are meant to assist in **clarifying the scope** of this project. They are NOT intended to state the scope perfectly. This proposal letter is the only basis for which Butler Manufacturing is proposing to offer this project.
- 3.8. This proposal is based on Butler Manufacturing **standard shop practices and specifications**. Butler Manufacturing takes exception to, and shall not be bound by, any restrictive requirements in specifications and/or drawings submitted with the proposal request (including deflection criteria) unless such requirements are specifically stated in this proposal.
- 3.9. Butler Manufacturing is **IAS certified**.
- 3.10. Joist depth, spacing, etc. shall be per **SJI** design and erection criteria.
- 3.11. Structural steel deck shall be per **ANSI/SDI** design and erection criteria.
- 3.12. Bar joists, joist girders, and bridging are available only in the standard **primer** color as available by the joist manufacturer. Deck is available in standard primer colors or galvanized finish as available by the deck manufacturer. Deck on skews required field cutting. Deck weld washers are NOT included, even when deck provided is less than 22 gauge.
- 3.13. Structural steel shall be per **AISC** design, detailing, and erection criteria.
- 3.14. **C/Z purlins and girts** are acrylic-coated G30 galvanized finish, unless noted otherwise.

- 3.15. **Truss purlins** are acrylic-coated G30 galvanized finish, unless noted otherwise.
- 3.16. All structural steel, including beams and columns, are provided using Butler **standard gray primer** with approximately 1.0 mil dry film thickness. This primer is not a finish paint coat. Secondary C/Z's will be acrylic coated G30 galvanized secondary members, unless specifically indicated in the ROOF RELATED NOTES or WALL RELATED NOTES sections.
- 3.17. Structural steel members are not **cambered**.
- 3.18. Butler steel standard **surface prep** will meet **SSPC SP-2** "Hand Tool Cleaning" requirement. SSPC SP2 is the removal of loose rust, loose mill scale, and loose paint to degree specified, which are by hand chipping, scraping, sanding, and wire brushing. If any other surface preparation is required, then a revised proposal will be required unless it is specifically listed in the sections above. Bar joist and girder prep is standard to that supplier.
- 3.19. **All submittals** shall be reviewed and returned in a timely manner according to the established project schedule. Builder is responsible for reviewing these drawings, as well as, managing all parties that are reviewing these drawings. Delays in receiving Approval Drawings may delay the project schedule and any promised ship date. If multiple reviews are required, the project schedule and ship date may be delayed. Any delays in the project schedule and/or the ship date may result in additional costs to the builder.
- 3.20. All parts and areas that are **field worked** and/or **field installed** in the Standard Product Line will be field worked and/or field installed for this order unless otherwise specified herein.
- 3.21. Additional **Safety Provisions**:
- 3.21.1. Holes or tabs at perimeter columns for attachment of safety cables at elevated floors.
- 3.21.2. Column splices located within the first five feet above the top of the elevated floor deck bearing elevation, where practical, on multistory projects.
- 3.21.3. Erection tabs or access holes on horizontal tube members, where practical.
- 3.22. **Framed opening** wall materials provided by Butler Manufacturing for non-Butler accessory doors, windows, and louvers are not factory located and will require field-work by the erector during the installation process.
- 3.23. **Roof Seamer** rental is not included.
- 3.24. **Freight** provided by Butler is considered Freight on Board (FOB) with freight prepaid to delivery site using one of Butler's designated carriers. Should carrier issues arise due to shortage or damage caused by the carrier, the Builder Material Receipt Policy shall apply.
- 3.25. This project may require Butler to purchase a significant level of **custom (non-standard) material** and/or incur significant project development costs. Therefore, Butler Manufacturing may require a down payment and/or progress billings at key milestones.
- 3.25.1. Projects with non-BBNA materials placed on hold or cancelled may be subject to restocking or cancellation fees in addition to material costs incurred.
- 3.26. This is a FIRM PROPOSAL whose price is valid on orders **received within 30 days of the date of this proposal**.
- 3.27. **Escalation Clause**: Pricing for the scope of work described in this proposal is based on material and transportation costs established at the time costs were collected. Accordingly, pricing adjustments for increases and decreases in steel material costs will be determined as follows and submitted in the form of a Price Adjustment Change Order to the Buyer. All pricing references will be based on the documented material references that are collected each Wednesday. Any date provided that is not on a Wednesday shall reference to the previous Wednesday's documented cost structure.
- 3.27.1. The "Escalation Reference Date" for this proposal is the date of this proposal letter.
- 3.27.2. At 7 weeks prior to delivery [of each Phase set forth in Schedule] (the "Escalation Date"), Butler will submit a Price Adjustment Change Order to Buyer for applicable cost increases or decreases for each of the following elements:
- 3.27.2.a. Plate steel, roof/wall panels, and light gage girts/purlins fabricated in a BBNA plant are priced based on the CRU HR Monitor Midwest Index as of the Escalation Date specified herein. If the CRU HR Monitor Midwest Index has increased or decreased by \$100/ton or more, material increases or decreases will be calculated by taking the difference between the price of steel set forth in the CRU HR Monitor Midwest Index as of the Escalation Date and the Escalation Reference Date of this proposal multiplied by the tonnage of that material.
- 3.27.2.b. Mill steel, tube steel, and other structural steel materials fabricated in a BBNA plant (other than the steel material stated above) or any material fabricated in a non-BBNA fabricating facility is priced based on steel supplier costs, such as Nucor-Yamato, MetalsUSA, or similar supplier. This material will be adjusted by

using the difference of the structural steel costs on the Escalation Reference Date and the associated costs on the Escalation Date the material is scheduled to be purchased, and then multiplied by the tonnage of the referenced material. An applicable pricing list can be provided for reference, if requested. All freight increases from a non-BBNA fabricating facility will be passed on.

- 3.27.2.c. Other materials purchased from a non-BBNA facility, such as insulated metal panels, bar joists, etc., are priced based on the individual suppliers' pricing. The suppliers' costs may be adjusted by Butler requesting an updated price from each supplier approximately one month prior to the date the material is scheduled to be purchased. Any material cost increases associated with updated supplier costs will be presented to the Buyer as a Price Adjustment Change Order.
- 3.27.3. Buyer will confirm and accept the Price Adjustment Change Order authorizing Butler to proceed within three (3) business days of receiving the change order. Butler will not proceed with fabrication of the respective Phase until Buyer has accepted the Price Adjustment Change Order in writing. Any failure to accept a change order within three (3) business days may result in delays to the schedule and loss of planned manufacturing space, and Buyer may be subject to further re-pricing and/or other penalty fees.
- 3.28. **Force Majeure:** Butler nor Buyer shall be liable to the other for damages nor shall the Quote or Order be terminated nor a breach be deemed to have occurred because of any failure to perform caused by a "Force Majeure". "Force Majeure" means an event such as, but not limited to, fire, earthquake, flood, explosion, casualty, strike, unavoidable accident, riot, insurrection, embargo, war, act of God, inability to obtain labor, materials or supplies, any outbreak of disease, and any governmental regulation, restriction or prohibition, or any other similar cause beyond the parties' reasonable control. Outbreak of disease expressly includes the current Covid-19 pandemic, with the original coronavirus and its iterative variants.
- 3.29. Cancellation/Hold Clause:
- 3.29.1. Should this project be cancelled or put on hold, for any reason, at the time of or prior to delivery of drawings for approval, the builder will be invoiced for the engineering and processing hours expended, billed at a rate of \$125.00 per hour. Additional cancellation costs may apply.
- 3.29.2. Work will be halted when drawings for approval are submitted. Work will not continue on this project until instructed to, in writing, by the builder. If not instructed to proceed within 30 days of submitting approval drawings, the builder will be invoiced either for the agreed upon NTE fee or for the engineering and processing hours expended, billed at a rate of \$125.00 per hour.
- 3.30. Pricing is based on the schedule provided herein. Contact your Project Manager before considering **moving the scheduled ship date**. If the builder instructs Butler to change the schedule or delay the delivery date, the following may apply:
- 3.30.1. The builder may be subject to increased material pricing based on market conditions at that time.
- 3.30.2. The builder may be subject to a penalty fee, charged the full amount of the purchased steel, and/or required to receive scheduled or fabricated steel sequences.

Thank you for your interest in Butler Conventional Steel Services.

If you have any questions or require further assistance, please contact me at (804) 296-9188.

Sincerely,



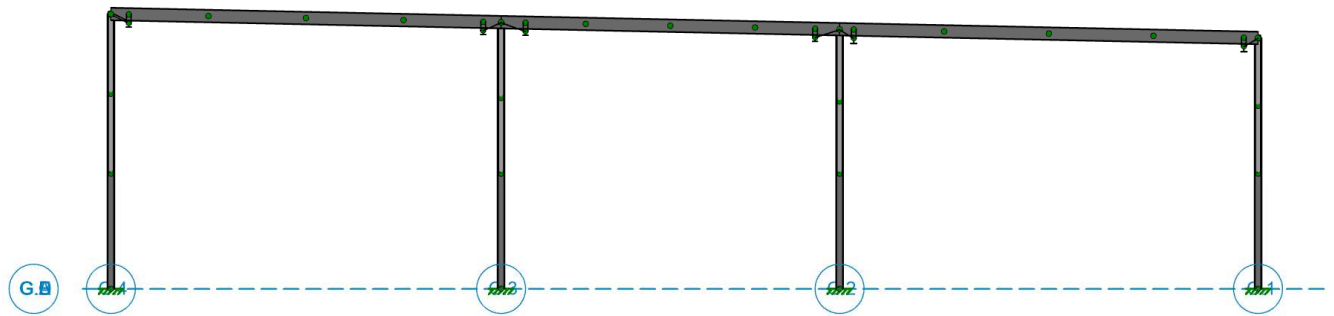
Bill Kyle, P.E., LEED AP
Senior Sales Engineer
Conventional Steel Services

cc: Quote File
Steven Davis

By initialing here, I (the builder) acknowledge that I have read and reviewed the contents of this proposal letter and I have approved the scope of work described herein. Any disagreements or corrections shall be made prior to initialing and prior to signing a building purchase order. Acknowledgment initials and date are only required at time of order.

Initial: _____

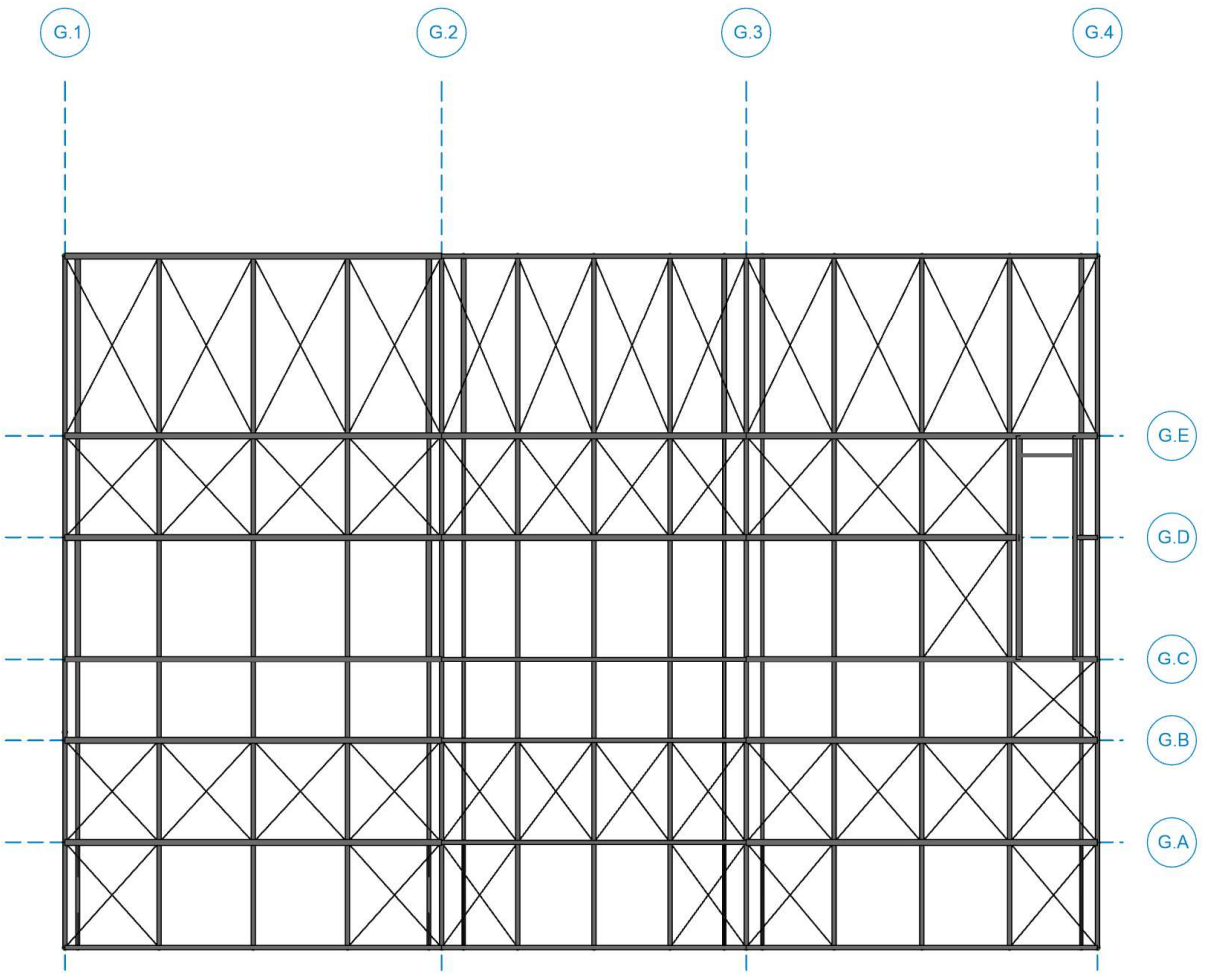
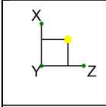
Date: _____



BBNA
waghs
C242292

Shell Fourchon Junction
End View

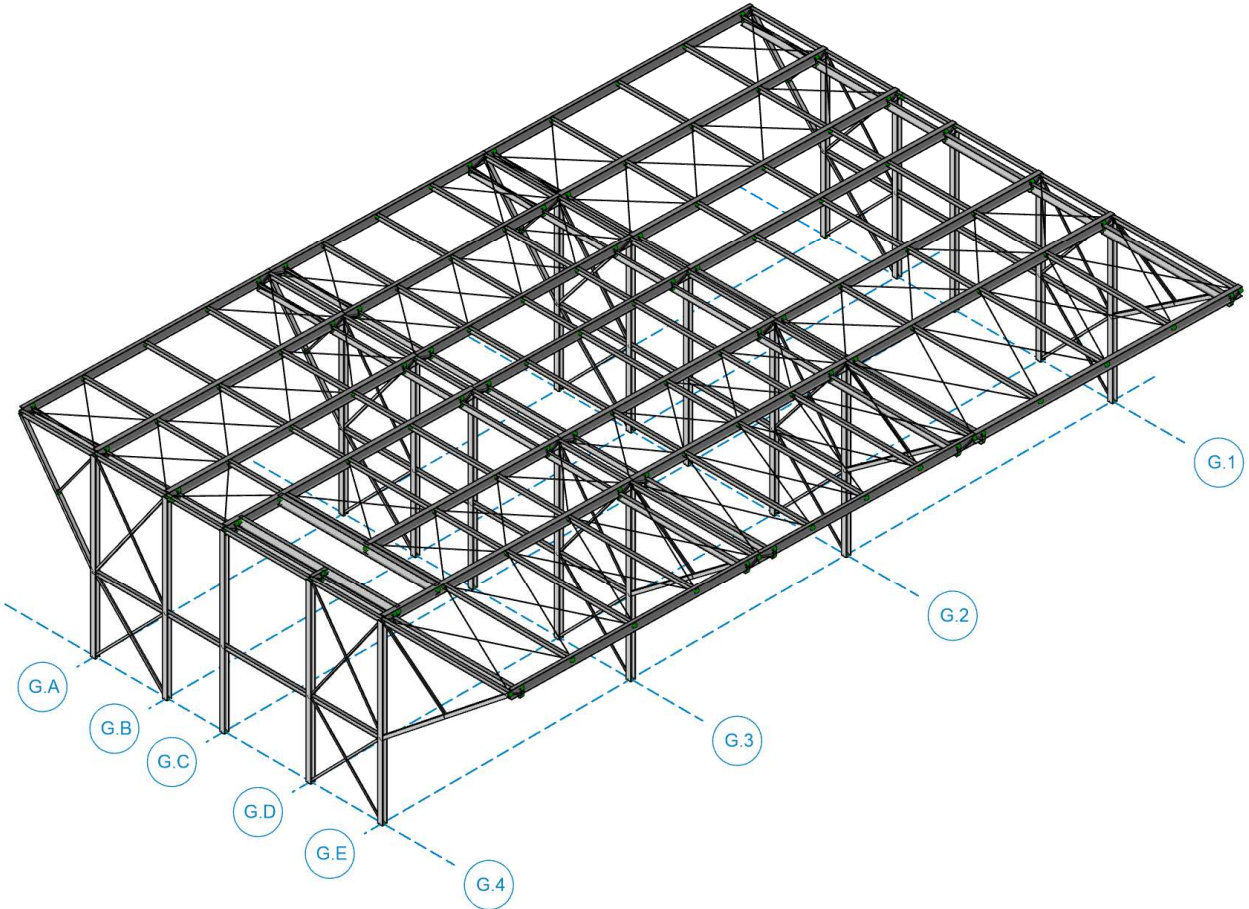
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Shell Fourchon Junction underhung cra...



BBNA
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Shell Fourchon Junction
Roof Plan

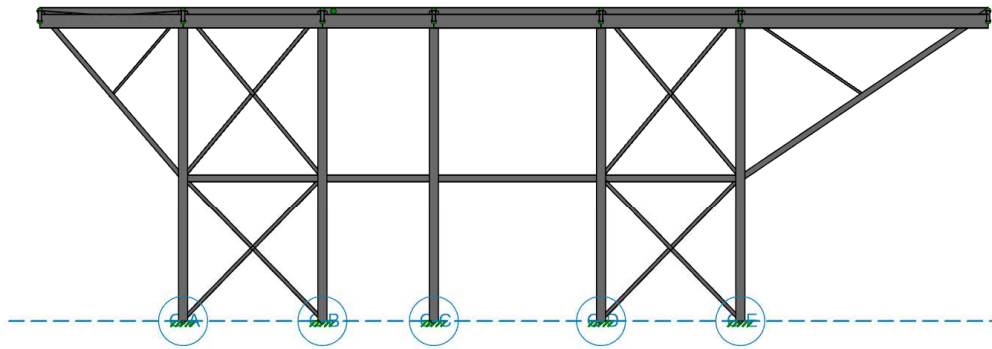
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Shell Fourchon Junction

SK-1
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Shell Fourchon Junction underhung cra...



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Shell Fourchon Junction
Side View

SK-5
Sep 04, 2024 at 10:35 AM
Shell Fourchon Junction underhung cra...