Project: Central Wastewater Treatment Plant	Project Number:					
Owner: City of Pflugerville	88					
Contractor: BAR Constructors, Inc	279					
Engineer: Freese and Nichols, Inc	PFL16607					
Change Proposal No.: CP0003 Description: Structural Support Changes						
Specification: 05 53 00 Metal Gratings						
Drawing No.: N/A Detail Description: N/A						
Reference Document:						
☐ Request for a Change Proposal No.: ☐ ☐ Request for Information	No.: 0009					
☐ Shop Drawing Deviation Request No.: ☐ Field Order No.:						
Contractor proposes the following modifications to the Contract Documents:						
1. Provide additional metal grating support beams at the BNR Basins and the	•					
Headworks as well as changing the cable trench embed material from Galv	ranized to Aluminum.					
Purpose of Change Proposal:						
FNI responded to RFI0009 to clarify the dimension of the grating support beams at	•					
Station and Headworks resulting in the requirement to provide additional grating strawing reviews, FNI changed the cable bed embed material from galvanized to all	• • • • • • • • • • • • • • • • • • • •					
drawing reviews, rivi changes the casic sea emses material norm galvanizes to a	arrinarri.					
Attachments:						
CP0003						
Requested Action:						
☐ Issue a Field Order ☐ Issue a Work Change Directive or Change Order for	or the described changes					
Basis of Compensation:						
\square Unit Prices \boxtimes Lump Sum calculated using Cost of Work provisions in Gen	eral Conditions Paragraph 13.01					
☐ Time and Materials using Cost of Work provisions in General Conditions Paragraph 13.01						
Required Documentation:						
☑ Detailed cost breakdown attached showing labor, materials, equipment, and all other costs for this change						
\square Schedule attached to show impacts and justification for requested change in Contract Times						
Total Change Proposal Amount: \$20,586.03 Adjustment in	Contract Times (days): 0					

Change Proposal Page 1 of 2

Project:	Central Wastewater Treatment Plant	Project Number:					
Owner:	City of Pflugerville	88					
Contractor:	BAR Constructors, Inc	279					
Engineer:	Freese and Nichols, Inc	PFL16607					
The compensation offered for this Change Proposal is the full, complete, and final compensation for all costs the Contractor may incur as a result of or relating to this change whether said costs are known, unknown, foreseen, or unforeseen at this time, including without limitation, any cost for delay, extended overhead, ripple or impact cost, or any other effect on changed or unchanged Work as a result of this Contract Modification. Requested changes in Contract Times are the complete and final adjustments for direct impacts to the ability of the Contractor to complete the Work within the Contract Times and are the only adjustments to which the Contractor is entitled. Except as modified hereby, the Contract Documents and all of the terms and provisions thereof remain in full force and effect.							
Certified by:	Dennis Berger	Date: 5/28/2020					
Action:							
☐ Field Ord	er No.: Issued 🗵 Change Order No.: 0001 Issued						
☐ Contract	Amendment No.: Issued	Issued					
☐ Change P	roposal Not Accepted $\ \ \Box$ Additional information required. See co	mments. \square Cancelled					
Comments: To be include	ed in CO0001 along with CP0001, CP0002, CP0005, CP0006 and CP0007						
Response by	: Janatha Jan	Date: 6/10/2020					

Change Proposal Page 2 of 2



P.O. Box 10 · Lancaster, TX 75146

May 28, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CP003r1 Cody Builders – Embeds Material Change

Dear Mr. Gaughan,

Please find the attached pricing and quotations for Cody Builders. BAR Constructors, Inc. requests an ADD to the contract amount of \$20,586.03 and a time extension of <u>0 calendar</u> days. Below are those inclusions and exclusions associated with this work.

Inclusions:

- Cody Builder's changes in embed material and extra supports
- All "Activities" associated with Cody Builders additional supports

Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc.

BAR Constructors, Inc. - Cost Detail Worksheet Job Name: Central WWTP Expanison Phase 1 Job # 279

Date: 05/28/2020 Proposal No. CP003r1

Labor						Cody Builders -	Steel to Alum			
Cody Builders - Steel to Alum		Rate		Unit	Day 1	Day 2	Day 3	Day 4		Total
Foreman	\$	40.00	4	HR	1				\$	160.0
Crane operator	\$	32.00	8	HR	1				\$	256.0
Labors (4)	\$	24.00	32	HR	1				\$	768.0
									\$	-
									\$	-
									\$	-
Subtotal									\$	1,184.0
Payroll Taxes and Insurance (55%)									\$	651.2
Total Labor									\$	1,835.2
				•			•	•		
Non-Taxed Material		Rate				Cody Builders -	Steel to Alum			
Cody Builders - Steel to Alum									\$	-
Cost of Aluminum Support Beam and Embed Changes	\$	16,554.00		Day	1				\$	16,554.0
Credit for Galvanized Embeds at Cable Trench	\$	(2,150.00)		Day	1				\$	(2,150.0
									\$	-
									\$	-
Subtotal									\$	14,404.0
Taxed Material						Cody Builders -	Steel to Alum			
									\$	-
									\$	-
Subtotal Taxed Material + 8.25%									\$	-
	•			•		•	•	•	•	
General Condition Material										
Small Tools 5% labor									\$	59.2
Total Material									Ś	14,463.2

Equipment		Rate			Cody Builders - S	Steel to Alum	-	Total	
Cody Builders - Steel to Alum					-				
Cherry Picker - 55 Ton	\$	750.00	Day	1				\$	750.0
								\$	-
								\$	-
								\$	-
Subtotal								\$	750.0
Fuel, Oil, Grease & Maintenance (40% fo Equipment)								\$	300.0
Tax @ 8.25%								\$	61.8
Total Equipment								\$	1,111.8
	•								
Subcontractor		Rate			Cody Builders - S	Steel to Alum		Total	
								\$	-
								\$	-
								\$	-
								\$	-
Total Subcontractor								\$	-
	•								
		Labor		Subcontractor	Material	Equipment		Total	
Totals	\$	1,835.20		\$ -	\$ 14,463.20	\$ 1,111.88		\$	17,410.2
Insurance (1.8%)								\$	313.3
Overhead and Profit (5% for subs)								\$	-
Overhead and Profit (15% Self Performed Work)								\$	2,658.
Subtotal								\$	20,382.
Bond @ 1%								\$	203.
Total								Ś	20 586 0

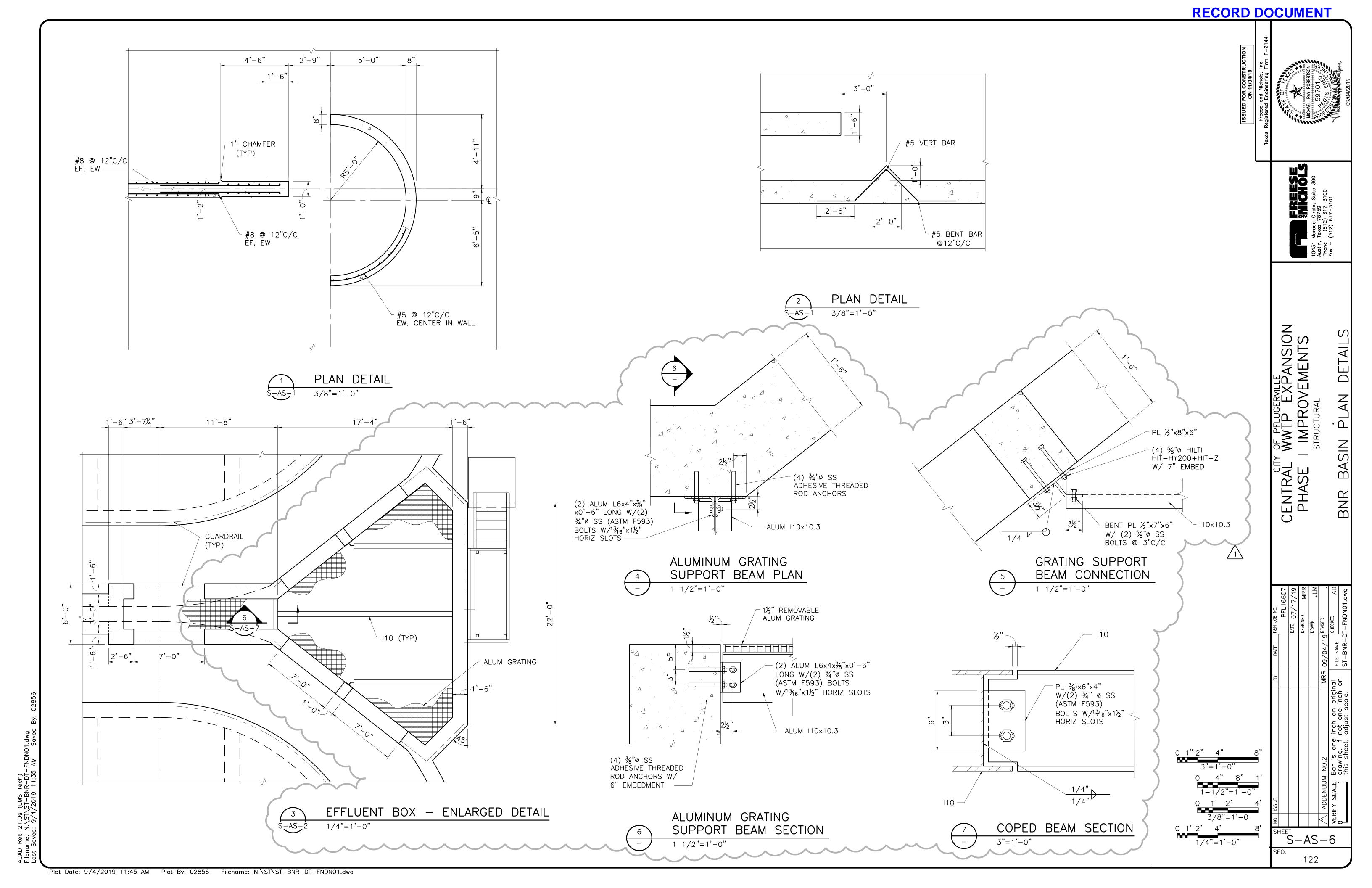
To: Bar Constructor Inc.Attn: Dennis Berger

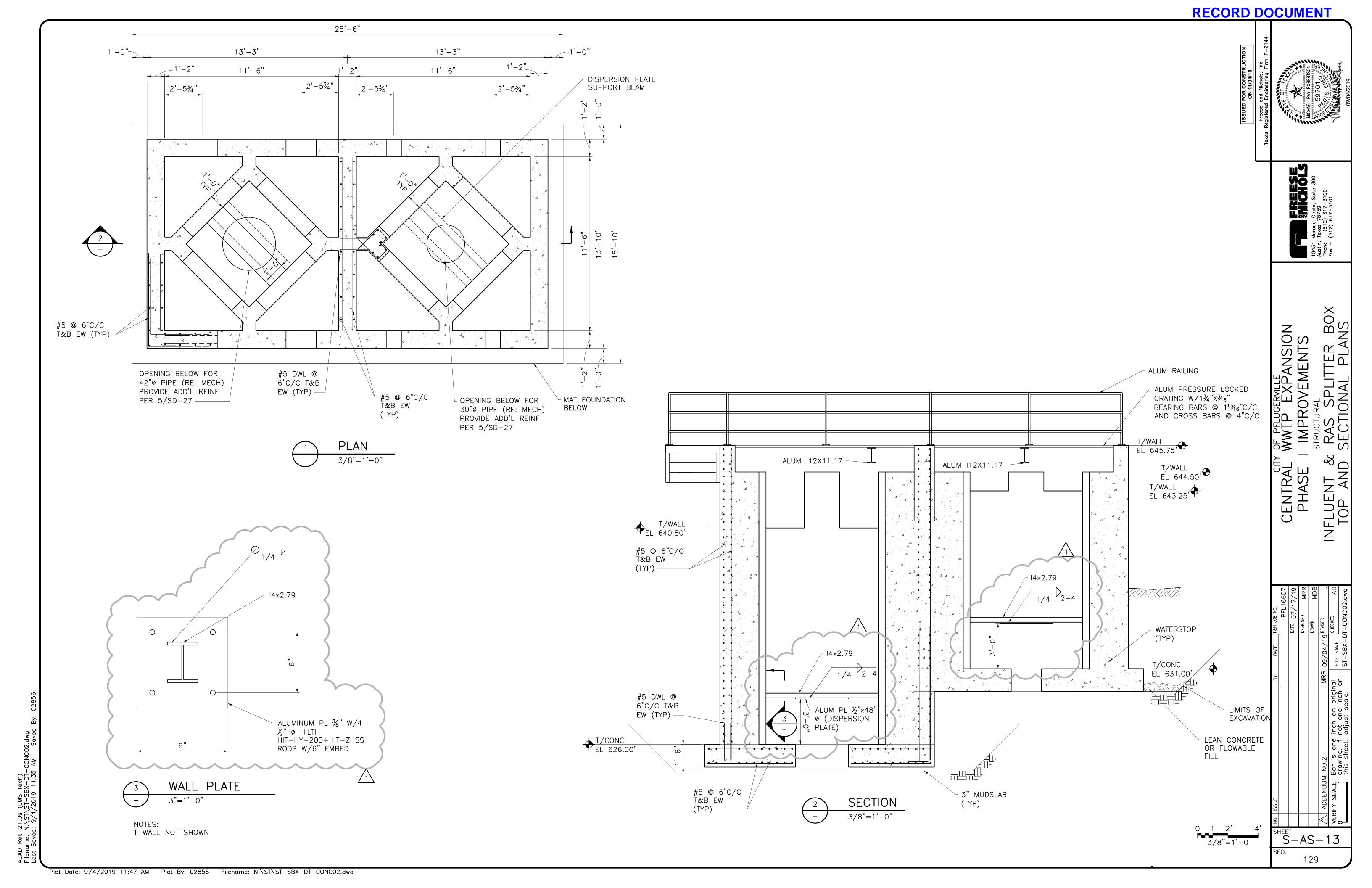
Cody Builders Supply 12002 N Lamar Blvd Austin, TX 78753 Ph 512/339-9834 Fax 512/339-0165 metals@codybuilderssupply.com

CHANGE ORDER

Date: 05/27/2020			CO NO.:	PF-CO-02-F
Project: Pflugerville (Central WWTP Phase	e1		
SUBJECT Aluminum su	pport beams and Cal	ble trench embeds c	hanges	
REFERENCE (RFI/Dwg/Etc):	RFI009 and Submit	tal response		
REQUESTED BY:	Dennis Berger			
Information/Explanation o	f Change:			
This change order reques additional aluminum supp change from galvanized to	ort beams at S-HW-	11 per RFI009 and o		
Pricing:				
Cost of aluminum support Credit for galv. embeds This change order total	beam and embed c	hanges	+\$16,554 +\$ 2,150 +\$14,404	
Attachments: None				
SCHEDULE IMPACT? YES	NO TBD A	ADD SUBTRACT	number of _	
PREPARED BY: Erdem B	iyikli	APPROVED BY:		
Note: Notice to proceed is	considered accepta	nce of price quoted.		

COR-2			Contra	ct drawings	R	FI009					
Sheet	Item	Item	Qty.	Length	Qty.	Length	Diff. feet	Unit weight	Diff. Lbs	Unit Price	Cost
S-AS-6	Alm. Beam	I10x10.3	3	38	4	56	18	10.3	185.4	7.02	1,301.51
S-AS-13	Alm. Beam	I12x12.7	2	24	4	48	24	12.7	304.8	7.02	2,139.70
S-HW-11	Alm. Beam	I10x8.65	0	0	3	48	48	8.65	415.2	7.02	2,914.70
	Alm. Bent plates/hardware								147	25.34	3,724.98
S-UV-2	Alm. Embed angles	2x2x1/4				256	256	1.11	284.16	16.6	4,717.06
S-UV-2	PL3/8 Straps	PL3/8				12	12	5.295	63.54	16.6	1,054.76
S-UV-2	FB	3/8x3/8				256	256	0.165	42.24	16.6	701.18
			-		-		Alm. Total		1052.4	15.73	16,553.89
							Credit for (Galv. Embeds			(2,150.00)
							COR-02 To	tal			14,403.89





Request for Information

Project: _Central Wastewater Treatment Plant	Project Number:
Owner: City of Pflugerville	88
Contractor: BAR Constructors, Inc	279
Engineer: Freese and Nichols, Inc.	PFL16607
RFI No.: 009 Description: Missing dimensions of gratings. Specification: 055300	
Drawing No.: Detail Description: Missing dimensions of gratings.	
Information Requested:	
Look through submittal for details on grates that are lacking dimensions within the gone ahead and added some textbox callouts of all information required as well a containing, "????", specifically calling out for those details. We went ahead and for with the help of the drawing plans which can be found in red text, but would like dimensions are correct. Attachments:	as the text in purple text ound some of the dimensions
Submitted by: Alejandro Guevara	Date: <u>2/7/2020</u>
Response: See attached for engineer's response to F	RFI009
Response by: Luis Varela	Date: _3/30/2020

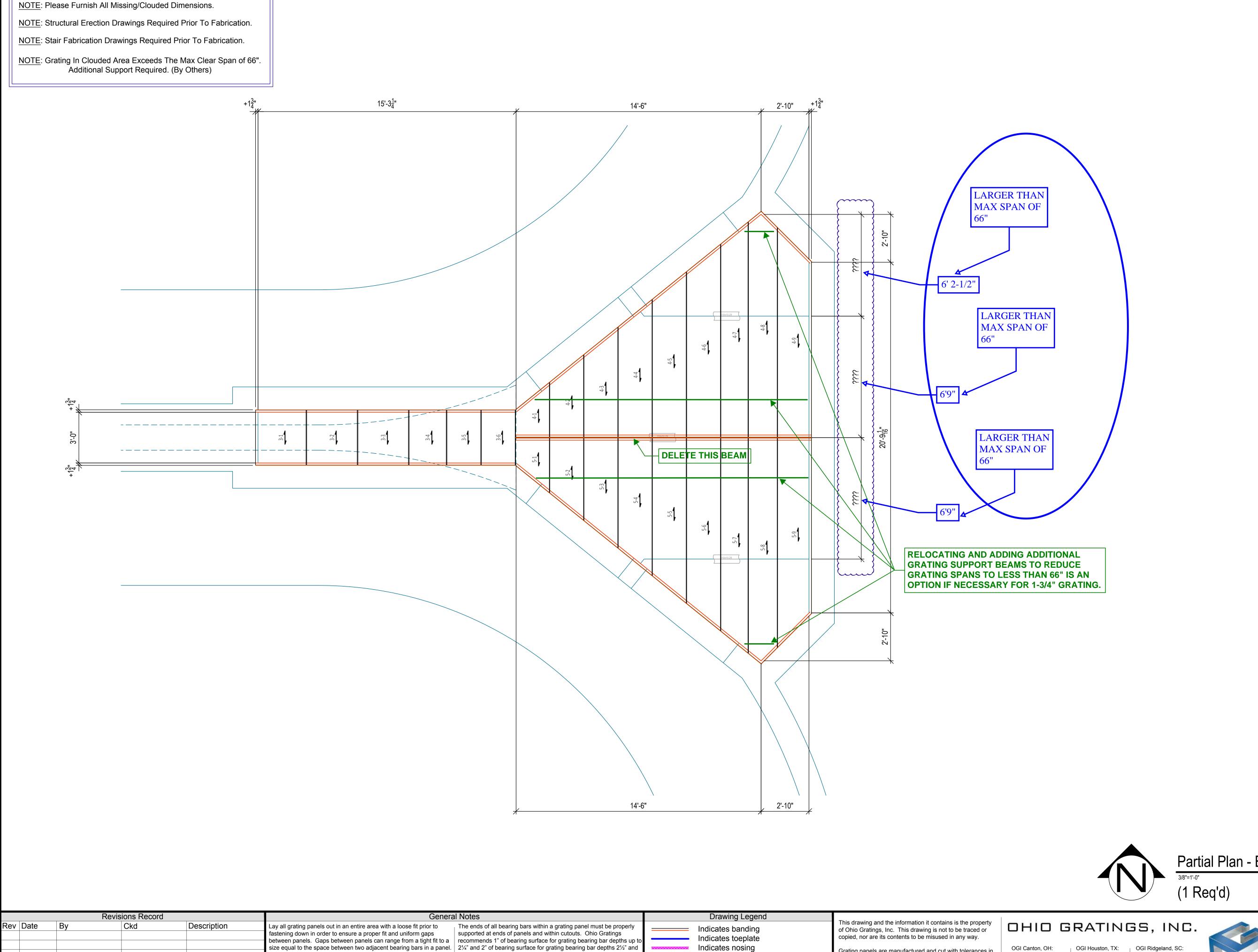
Request for Information Page 1 of 1



Request For Information

PROJECT		Central Wastewater Treatment Plant Expansion- Phase 1	PROJECT NUM	BER
OWNER		City of Pflugerville	88	_
BUILDER		BAR Constructors, Inc.	279	
DESIGNER		Freese and Nichols, Inc.	PFL16607	
СМ		Plus Six Engineering		
RFI No.	RFI-009	Builder Submittal No.		
Specification		05 53 00		_
Drawing / Det	ail			
Builder Reque	ests: Informa	ition for the items described below or in the attached mat	terial referenced	below:
		See attached RFI.		
Builder's Prop	oosed Solutio	on:		
Attachment		RFI-009-MissingDimensionsforGratings-Coby Gee-Pend	ling.pdf	
Requested By	,	Coby Gee	Date	02-08-2020
Response: Inf	formation fo	r the items described above or in the attached material re	ferenced:	
		Refer to attached		
Status		Filed as Received		
Action		Final Distribution		
Attachments		RFI-009-MissingDimensionsforGratings-Chris Callahan-RFI-009-MissingDimensionsforGratings-Coby Gee-Pend		
Response By		Chris Callahan	Date	03-30-2020

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over. Bearing bars should not be cantilevered beyond their supports.

Supporting steel with flanges greater than 1/4" in thickness may need Cutout sizes may be smaller or larger than the intended design due to to be pre-drilled in field prior to fastening down with a standard tek the nature of grating and the standard locations of bearing bars.

Grating panels are manufactured and cut with tolerances in

accordance with the National Association of Architectural

authorization is given in advance by Ohio Gratings, Inc.

No back charges will be accepted unless written

Metal Manufacturers (NAAMM).

Indicates the tagged end of panels

for aligning cross rods

Indicates the span direction of load

carrying bars

5299 Southway St SW 5500 Cedar Crest 5307 Cypress Ridge Dr

Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936

www.ohiogratings.com

Ph: 1-800-321-9800 Ph: 1-888-207-9392 Ph: 1-800-321-9800

OHIO GRATINGS, INC.

Bill of Materials

19SGI4 (1 3/4") Striated Mill, Swaged I-Bar Bar Grating, Aluminum

		Finish Width	Finish Length	EG	Status
1	3-1	2'-11 7/8"	3'-3 1/2"	0"	Pending
1	3-2	2'-11 7/8"	3'-3 1/2"	0"	Pending
1	3-3	2'-11 7/8"	3'-3 1/2"	0"	Pending
1	3-4	2'-2 3/8"	3'-3 1/2"	0"	Pending
1	3-5	2'-0"	3'-3 1/2"	0" 👞	Pending
1	3-6	2'-0"	3'-3 1/2"	Ο"	Pending
1	4-1	2'-0"	3'-3 1/8"	0"	Pending
1	4-2	2'-0"	4'-10 3/4	0	Pending
1	4-3	2'-0"	6'-6 2'3"	D "	Pending
1	4-4	2'-0"	8'-2	0"	Pending
1	4-5	2'-0"	21.9 21/8	0"	Pending
1	4-6	2'-0"	11'-5 1/4"	0"	Pending
1	4-7	1'-7 1/4"	12 -9 1/16"	0"	Pending
1	4-8	1'-8 7/16	13'-4 11/16"	0"	Pending
1	4-9	2!-("	12'-5"	0"	Pending
1	5-1	≥ 0"	3'-3 1/8"	0"	Pending
1	5-2	2'-0"	4'-10 3/4"	0"	Pending
1	5-3	2'-0"	6'-6 3/8"	0"	Pending
1	5-4	2'-0"	8'-2"	0"	Pending
1	5-5	2'-0"	9'-9 5/8"	0"	Pending
1	5-6	2'-0"	11'-5 1/4"	0"	Pending
1	5-7	1'-7 1/4"	12'-9 1/16"	0"	Pending
1	5-8	1'-8 7/16"	13'-4 11/16"	0"	Pending
1	5-9	2'-0"	12'-5"	0"	Pending
	as Table				

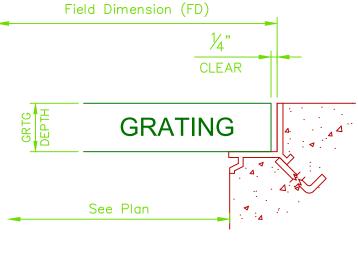
Tek Screw #5, SS, 2 1/2" Long (shipped loose)

Band 1 3/4" x 3/16" Trim Weld Aluminum

Saddle Clip, SS, 19 Spaced (shipped loose)

Status: Out For Approval

Approved | Approved As Noted | Revise & Resubmit





Ref. Dwg #: Contract Drawing S-AS-2 (Rev 1) & S-AS-6 (Rev 1)

Project	Central WWTP Expansion	Central WWTP Expansion				
	Phase I Improvements					
	Pflugerville, Texas					
Customer	Cody Builders Supply	OGi Q: 863600				
PO	59698	OGi SO:				
Job #		Seq: 55128-172e1:				
Dwg: 863	3600	Sht: 1B				

locations for fastener clearance. A 1/28/2020 Issued For Approval

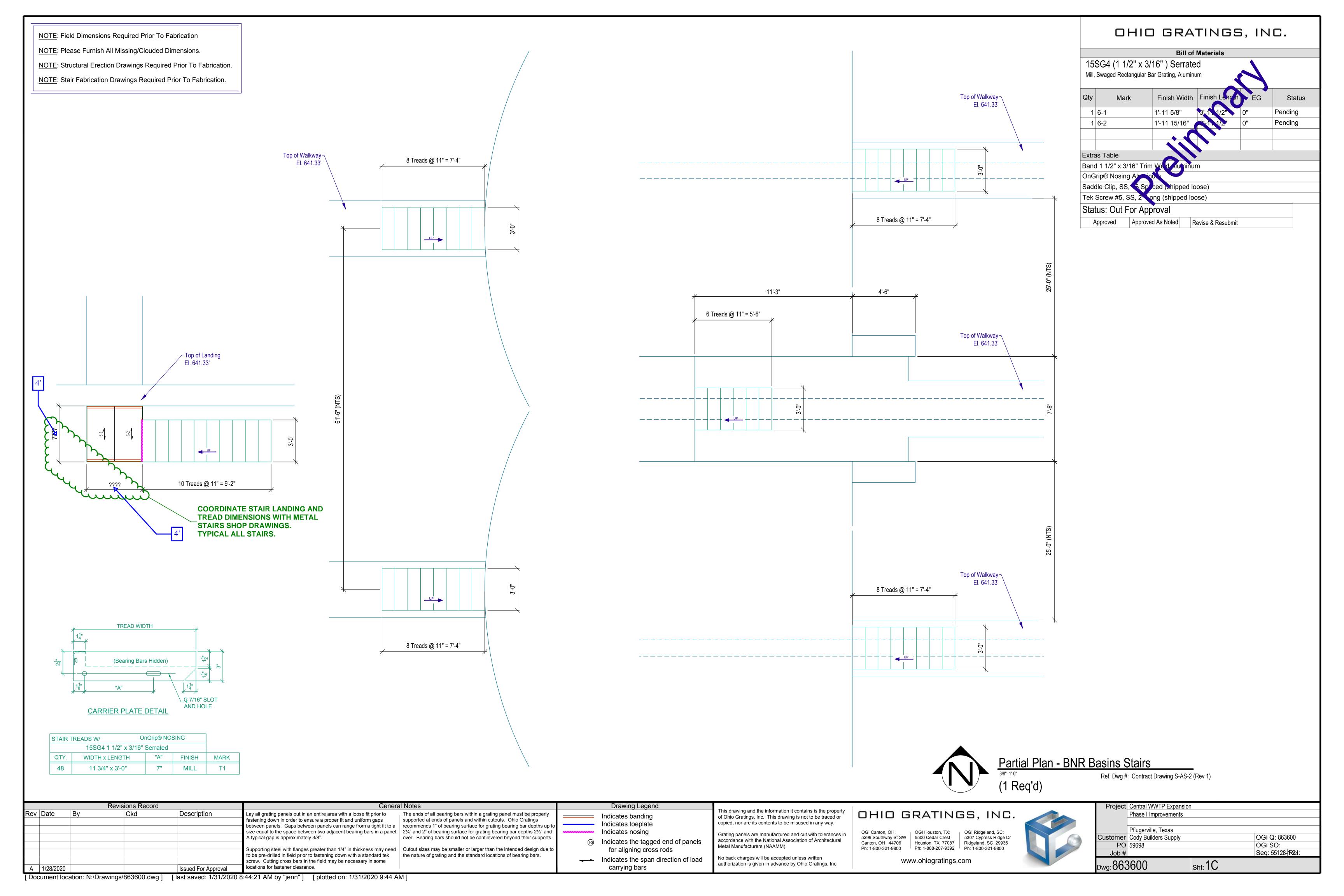
Issued For Approval

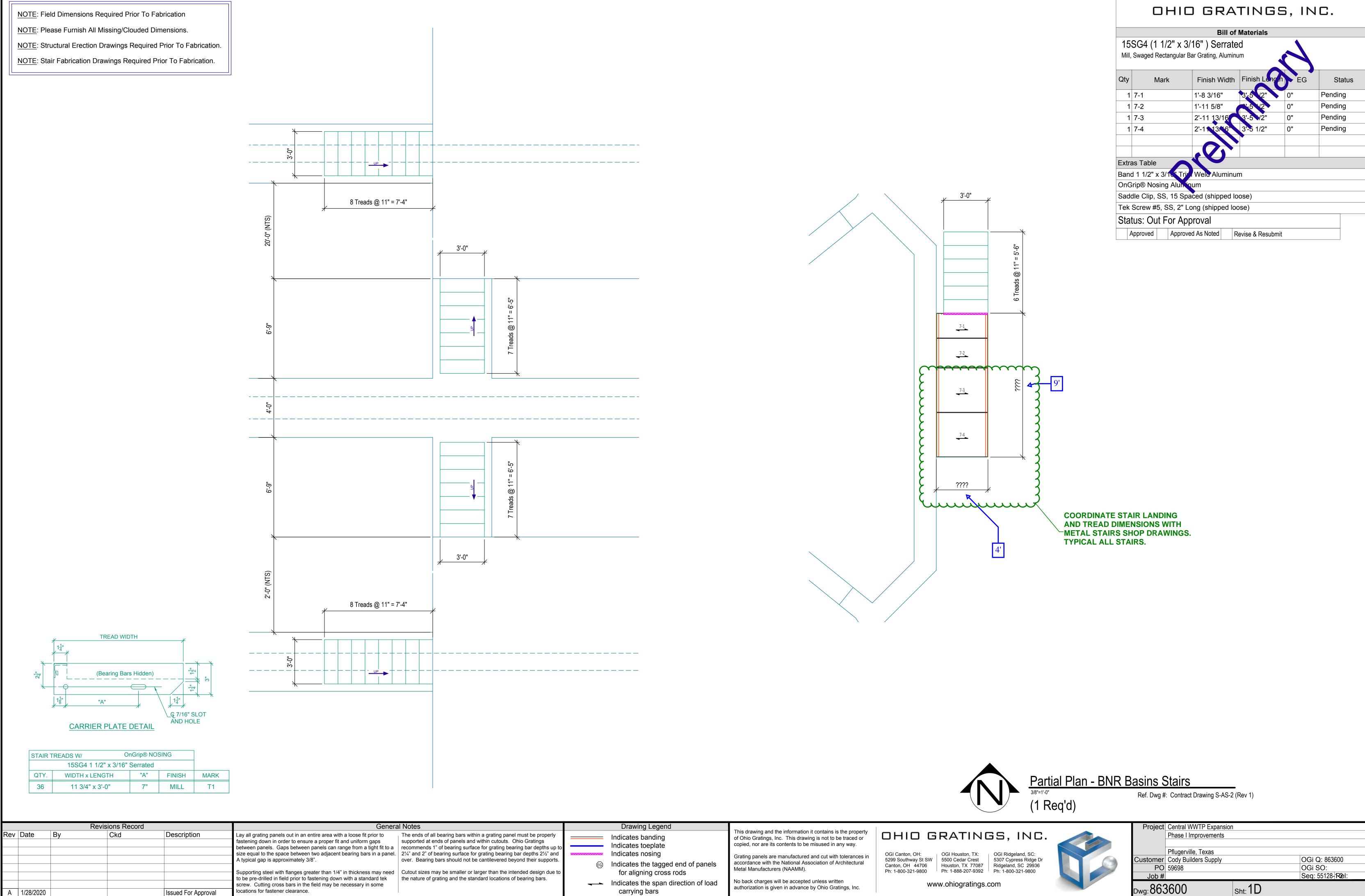
B | 1/31/2020

A typical gap is approximately 3/8".

screw. Cutting cross bars in the field may be necessary in some

NOTE: Field Dimensions Required Prior To Fabrication





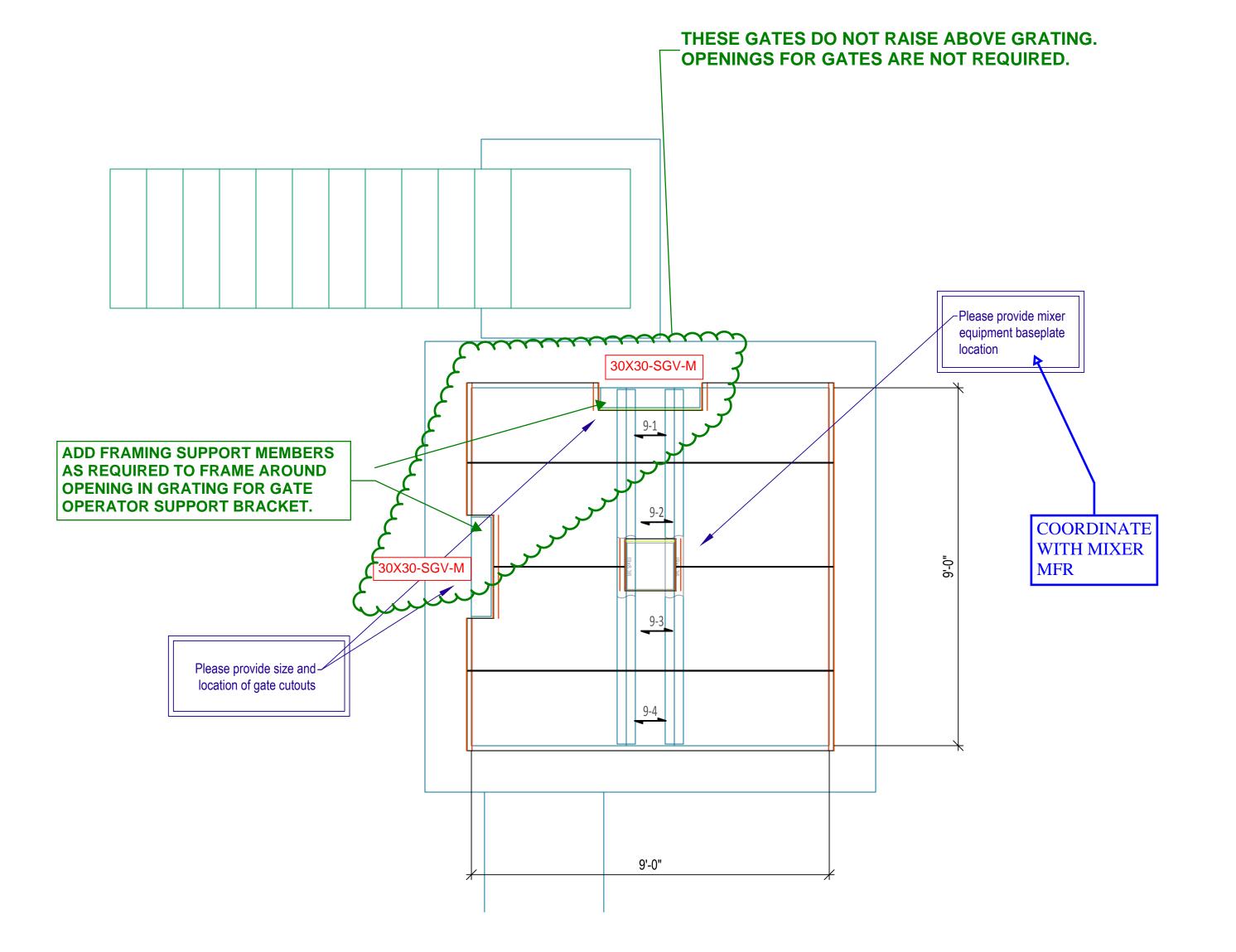
NOTE: Field Dimensions Required Prior To Fabrication

NOTE: Please Furnish All Missing/Clouded Dimensions.

NOTE: Structural Erection Drawings Required Prior To Fabrication.

NOTE: Stair Fabrication Drawings Required Prior To Fabrication.

NOTE: Grating In Clouded Area Exceeds The Max Clear Span of 59". Additional Support Required. (By Others)



DHID GRATINGS, INC.

Bill of Materials

	SGI4 (1 1/2") Str Swaged I-Bar Bar Gratii			A	
Qty	Mark	Finish Width	Finish Length	EG	Status
1	9-1	2'-0"	9'-3	0"	Pending
1	9-2	2'-7 1/8"	2'-3	0"	Pending
1	9-3	2'-7 1/8"	9'-3	0"	Pending
1	9-4	2'-0"	9'-3"	0"	Pending

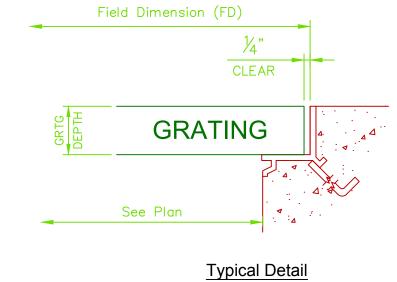
Extras Table

Band 1 1/2" x 3/1c" Tri Saddle Clip, SS, 19 S, aced (shipped loose)

Tek Screw #5, SS, 2" Long (shipped loose)

Status: Out For Approval

Approved Approved As Noted Revise & Resubmit





OGI Houston, TX: OGI Ridgeland, SC:

5299 Southway St SW 5500 Cedar Crest 5307 Cypress Ridge Dr

Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936

Partial Plan - Mixed Liquor Junction Box Grating Layout

Ref. Dwg #: Contract Drawing M-AS-8 & S-AS-9

(1 Req'd)

Revisions Record Drawing Legend General Notes This drawing and the information it contains is the property OHIO GRATINGS, INC. Description Lay all grating panels out in an entire area with a loose fit prior to The ends of all bearing bars within a grating panel must be properly Indicates banding of Ohio Gratings, Inc. This drawing is not to be traced or fastening down in order to ensure a proper fit and uniform gaps supported at ends of panels and within cutouts. Ohio Gratings Indicates toeplate copied, nor are its contents to be misused in any way. between panels. Gaps between panels can range from a tight fit to a recommends 1" of bearing surface for grating bearing bar depths up to

size equal to the space between two adjacent bearing bars in a panel. 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" and over. Bearing bars should not be cantilevered beyond their supports. Supporting steel with flanges greater than 1/4" in thickness may need Cutout sizes may be smaller or larger than the intended design due to to be pre-drilled in field prior to fastening down with a standard tek | the nature of grating and the standard locations of bearing bars. screw. Cutting cross bars in the field may be necessary in some

Indicates nosing © Indicates the tagged end of panels for aligning cross rods

Indicates the span direction of load

carrying bars

Grating panels are manufactured and cut with tolerances in accordance with the National Association of Architectural Metal Manufacturers (NAAMM).

Ph: 1-800-321-9800 Ph: 1-888-207-9392 Ph: 1-800-321-9800 No back charges will be accepted unless written www.ohiogratings.com authorization is given in advance by Ohio Gratings, Inc.

OGI Canton, OH:



Project	Central WWTP Expansion					
	Phase I Improvements					
	Pflugerville, Texas					
Customer	Cody Builders Supply		OGi Q: 863600			
PO	59698		OGi SO:			
Job#			Seq: 55128-172el:			
Dwg: 863	3600	Sht: 2A				

locations for fastener clearance. A 1/28/2020 Issued For Approval

Issued For Approval

A typical gap is approximately 3/8".

Rev Date

B | 1/31/2020

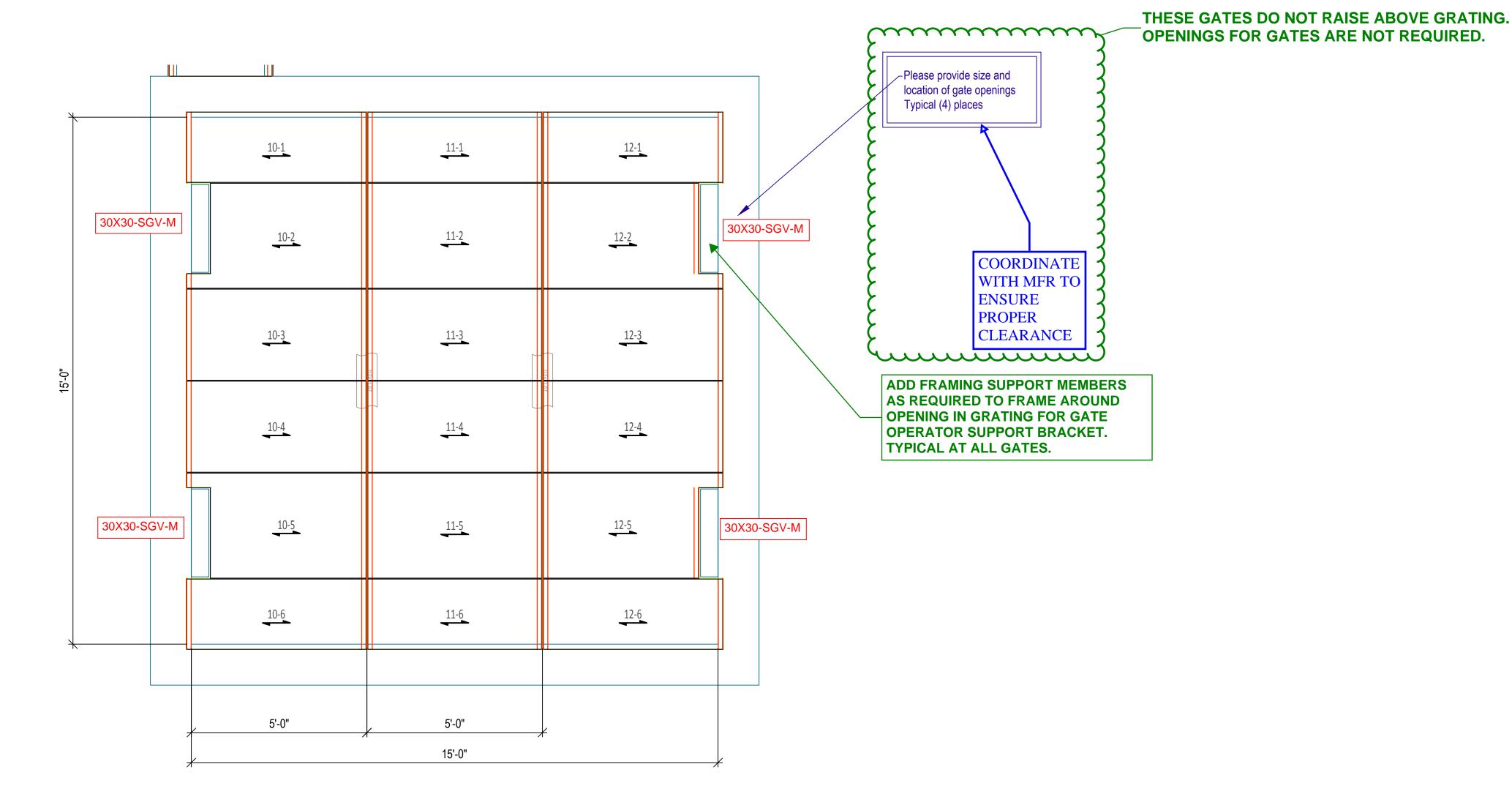
NOTE: Field Dimensions Required Prior To Fabrication

NOTE: Please Furnish All Missing/Clouded Dimensions.

NOTE: Structural Erection Drawings Required Prior To Fabrication.

NOTE: Stair Fabrication Drawings Required Prior To Fabrication.

NOTE: Grating In Clouded Area Exceeds The Max Clear Span of 66". Additional Support Required. (By Others)



OHIO GRATINGS, INC.

Bill of Materials

19SGI4 (1 3/4") Striated Mill, Swaged I-Bar Bar Grating, Aluminum

Qty	Mark	Finish Width	Finish Length	EG	Status
1	10-1	2'-0"	5'-1 5/8"	0"	Pending
1	10-2	2'-11 7/8"	5'-1 5/8"	0"	Pending
1	10-3	2'-7 1/8"	5'-1 5/8"	0"	Pending
1	10-4	2'-7 1/8"	5'-1 5/8"	O	Pending
1	10-5	2'-11 7/8"	5'-1 5/8"	=	Pending
1	10-6	2'-0"	5'-1 5/8"	, u	Pending
1	11-1	2'-0"	4'-1 3/4	0"	Pending
1	11-2	2'-11 7/8"	4'- '1 3/4"	0"	Pending
1	11-3	2'-7 1/8"	4'- 1 3/4"	0"	Pending
1	11-4	2'-7 1/8"	4 11 3/4"	0"	Pending
1	11-5	2'-11 7/3"	4'-11 3/4"	0"	Pending
1	11-6	2'-	4'-11 3/4"	0"	Pending
1	12-1	-0	5'-1 5/8"	0"	Pending
1	12-2	2'- 11 7/8"	5'-1 5/8"	0"	Pending
1	12-3	2'-7 1/8"	5'-1 5/8"	0"	Pending
1	12-4	2'-7 1/8"	5'-1 5/8"	0"	Pending
1	12-5	2'-11 7/8"	5'-1 5/8"	0"	Pending
1	12-6	2'-0"	5'-1 5/8"	0"	Pending

Extras Table

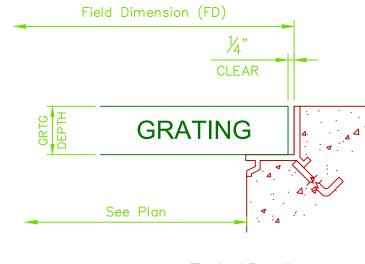
Band 1 3/4" x 3/16" Trim Weld Aluminum

Saddle Clip, SS, 19 Spaced (shipped loose)

Tek Screw #5, SS, 2 1/2" Long (shipped loose)

Status: Out For Approval

Approved | Approved As Noted | Revise & Resubmit





OGI Houston, TX: OGI Ridgeland, SC:

Partial Plan - Mixed Liquor Splitter Box Grating Layout

Ref. Dwg #: Contract Drawing M-AS-9 & S-AS-11

(1 Req'd)

	Revisions Record				Genera	al Notes
Re	v Date	Ву	Ckd	Description	Lay all grating panels out in an entire area with a loose fit prior to fastening down in order to ensure a proper fit and uniform gaps between panels. Gaps between panels can range from a tight fit to a size equal to the space between two adjacent bearing bars in a panel. A typical gap is approximately 3/8".	The ends of all bearing bars within a grating panel must be properly supported at ends of panels and within cutouts. Ohio Gratings recommends 1" of bearing surface for grating bearing bar depths up 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" at over. Bearing bars should not be cantilevered beyond their support
E	1/31/2020			Issued For Approval	Supporting steel with flanges greater than 1/4" in thickness may need to be pre-drilled in field prior to fastening down with a standard tek screw. Cutting cross bars in the field may be necessary in some	Cutout sizes may be smaller or larger than the intended design due the nature of grating and the standard locations of bearing bars.

Lay all grating panels out in an entire area with a loose fit prior to fastening down in order to ensure a proper fit and uniform gaps A typical gap is approximately 3/8".

General Notes The ends of all bearing bars within a grating panel must be properly supported at ends of panels and within cutouts. Ohio Gratings between panels. Gaps between panels can range from a tight fit to a recommends 1" of bearing surface for grating bearing bar depths up to size equal to the space between two adjacent bearing bars in a panel. 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" and over. Bearing bars should not be cantilevered beyond their supports. Supporting steel with flanges greater than 1/4" in thickness may need | Cutout sizes may be smaller or larger than the intended design due to

Drawing Legend Indicates banding Indicates toeplate Indicates nosing Indicates the tagged end of panels

carrying bars

for aligning cross rods

Indicates the span direction of load

This drawing and the information it contains is the property of Ohio Gratings, Inc. This drawing is not to be traced or copied, nor are its contents to be misused in any way. Grating panels are manufactured and cut with tolerances in accordance with the National Association of Architectural Metal Manufacturers (NAAMM).

No back charges will be accepted unless written authorization is given in advance by Ohio Gratings, Inc.

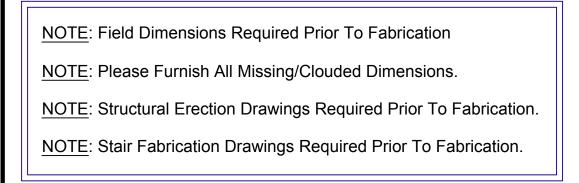
Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936 Ph: 1-800-321-9800 Ph: 1-888-207-9392 Ph: 1-800-321-9800 www.ohiogratings.com

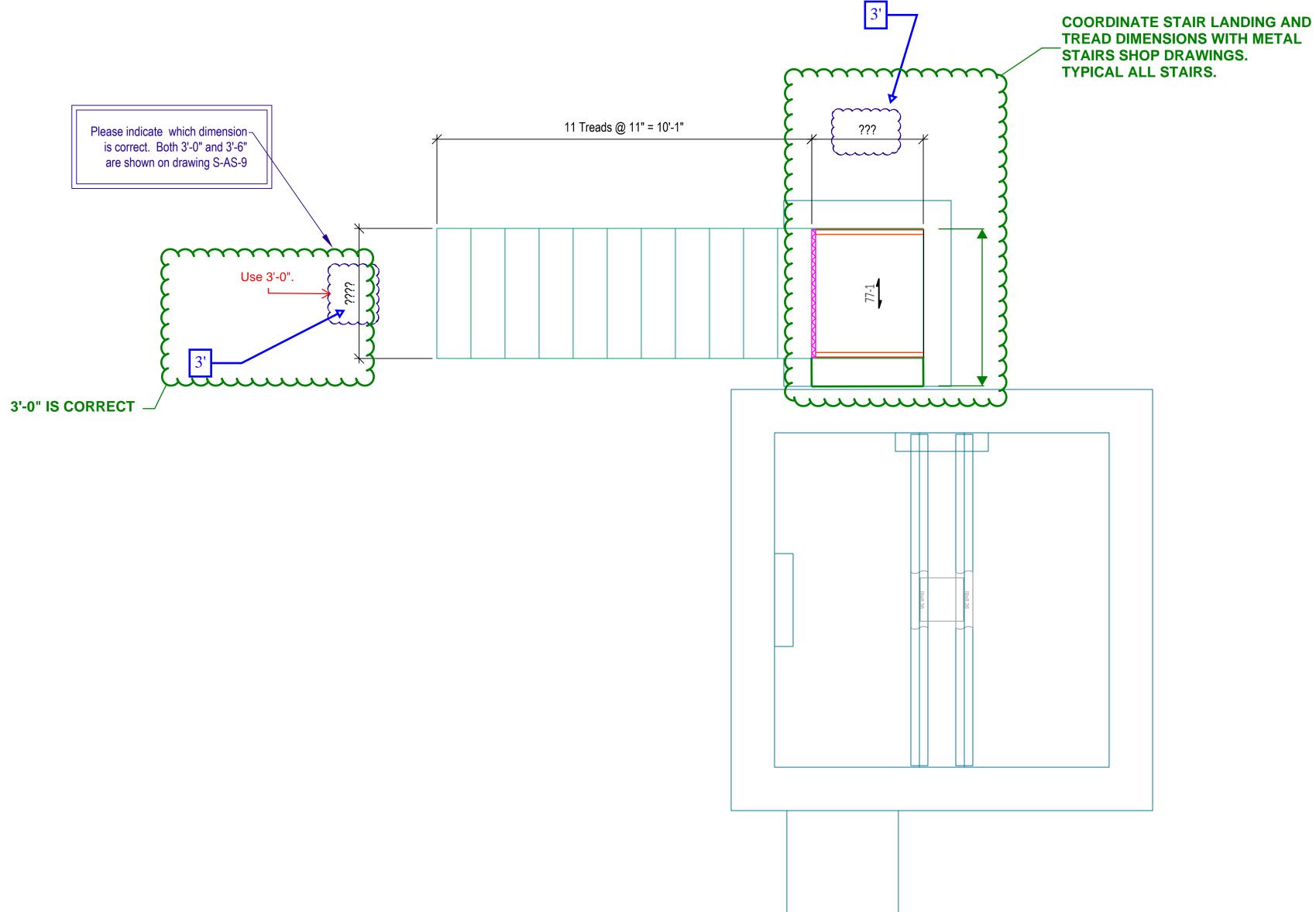
OGI Canton, OH:

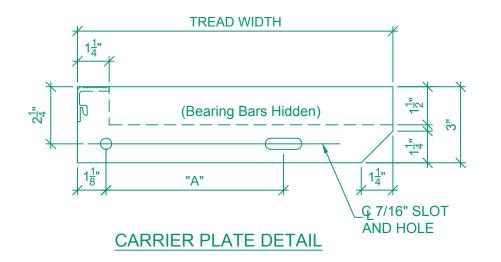


Project	ct Central WWTP Expansion					
	Phase I Improvements					
	Pflugerville, Texas					
Customer	Cody Builders Supply		OGi Q: 863600			
PO	59698		OGi SO:			
Job#			Seq: 55128-128:			
Dwg: 863	3600	sht:2B				

locations for fastener clearance. Issued For Approval [Document location: N:\Drawings\863600.dwg] [last saved: 1/31/2020 8:44:21 AM by "jenn"] [plotted on: 1/31/2020 9:45 AM]







STAIR TREADS W/ Or		nGrip® NO	SING	
15SG4 1 1/2" x 3/16" Serrated				
QTY.	WIDTH x LENGTH	"A"	FINISH	MARK
11	11 3/4" x ???	7"	MILL	T2

TREAD DIMENSIONS WITH METAL
STAIRS SHOP DRAWINGS.
TYPICAL ALL STAIRS.



OGI Houston, TX: OGI Ridgeland, SC:

Partial Plan - Mixed Liquor Junction Box Stair

Ref. Dwg #: Contract Drawing M-AS-8 & S-AS-9

(1 Req'd)

Field Dimension (FD)

CLEAR

GRATING

	Revis			
Rev Date	Ву	Ckd	Description	Lay all grating panels out in an entire area with a
				fastening down in order to ensure a proper fit an
				between panels. Gaps between panels can rang size equal to the space between two adjacent be
				A typical gap is approximately 3/8".
				Our manting at a last the flag and a second at the second
				Supporting steel with flanges greater than 1/4" ir

General Notes

The ends of all bearing bars within a grating panel must be properly supported at ends of panels and within cutouts. Ohio Gratings range from a tight fit to a recommends 1" of bearing surface for grating bearing bar depths up to 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" and over. Bearing bars should not be cantilevered beyond their supports. in thickness may need Cutout sizes may be smaller or larger than the intended design due to

Drawing Legend Indicates banding Indicates toeplate Indicates nosing

carrying bars

Indicates the tagged end of panels for aligning cross rods Indicates the span direction of load

copied, nor are its contents to be misused in any way. Grating panels are manufactured and cut with tolerances in

accordance with the National Association of Architectural Metal Manufacturers (NAAMM). No back charges will be accepted unless written

authorization is given in advance by Ohio Gratings, Inc.

www.ohiogratings.com



Project	Central WWTP Expansion		
	Phase I Improvements		
	Pflugerville, Texas		
Customer	Cody Builders Supply		OGi Q: 863600
РО	59698		OGi SO:
Job #			Seq: 55128-1R2el:
Dwg: 863600		Sht: 2C	

OHIO GRATINGS, INC.

Bill of Materials

aced (shipped loose)

Status

Pending

15SG4 (1 1/2" x 3/16") Serrated

Mill, Swaged Rectangular Bar Grating, Aluminum

Tek Screw #5, SS, 2" Long (shipped loose)

Mark

1 77-1

Extras Table

Band 1 1/2" x 3/16" OnGrip® Nosing Tumi

Saddle Clip, SS, 15

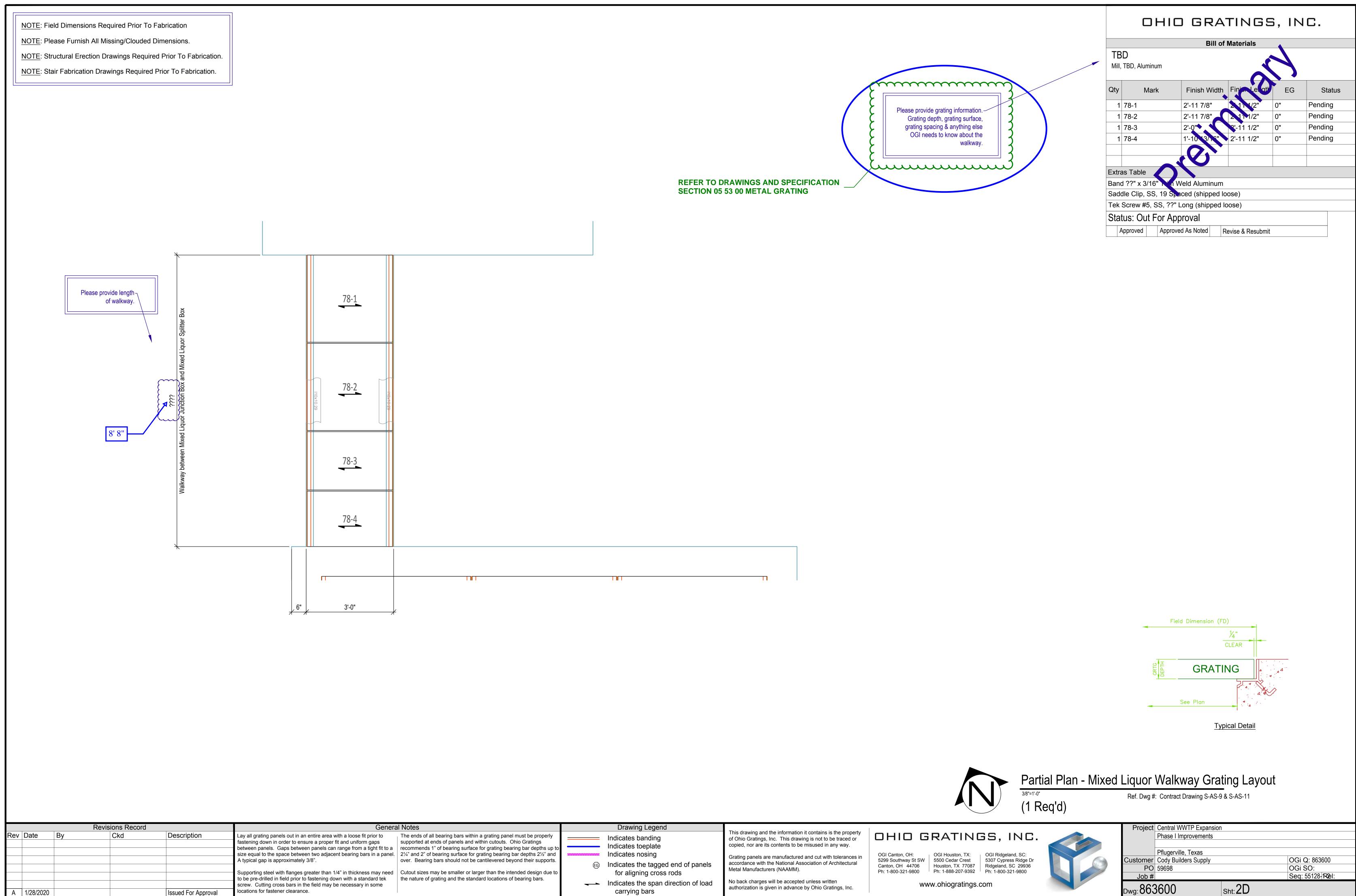
This drawing and the information it contains is the property OHIO GRATINGS, INC. of Ohio Gratings, Inc. This drawing is not to be traced or

OGI Canton, OH:

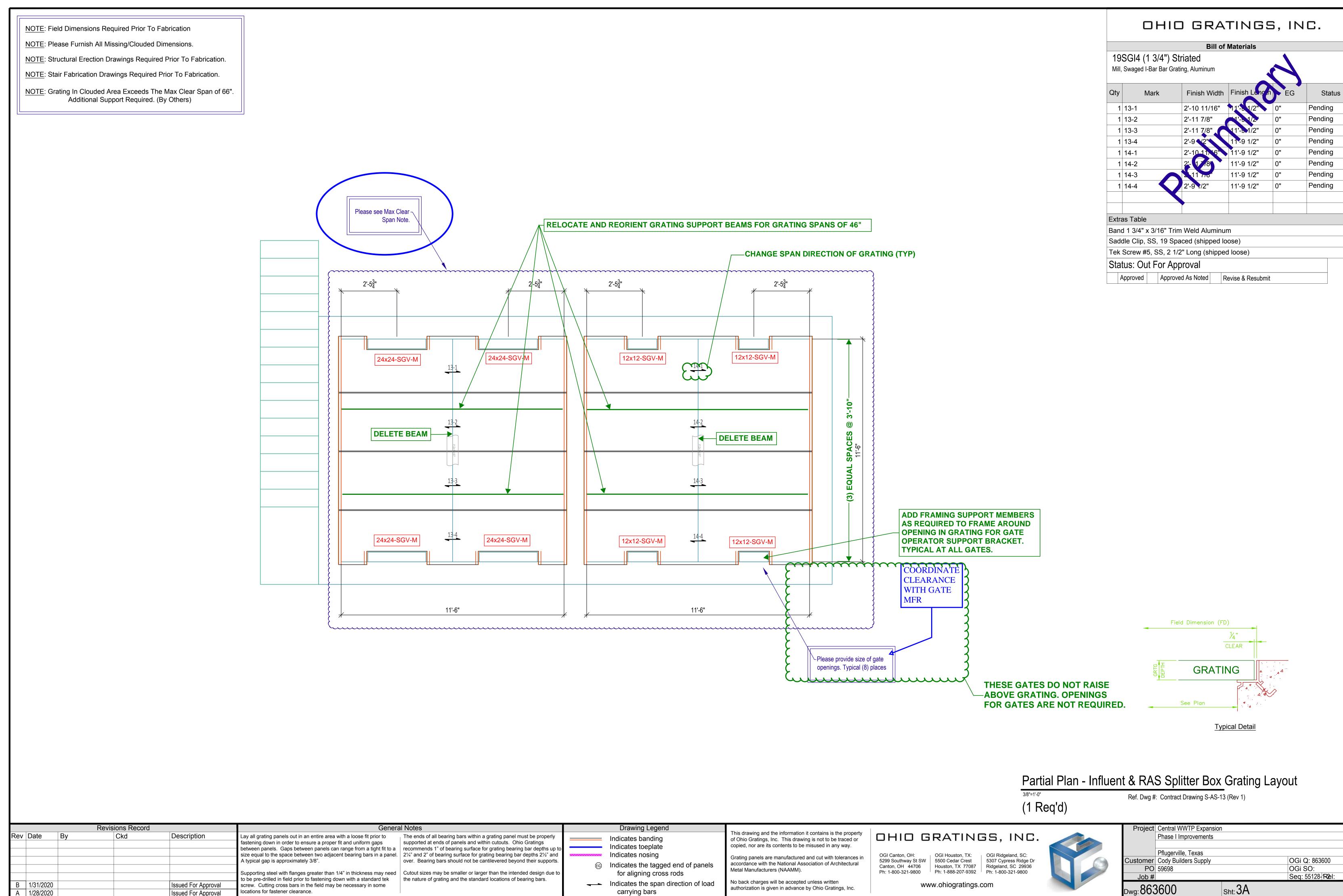
Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936

5299 Southway St SW 5500 Cedar Crest 5307 Cypress Ridge Dr

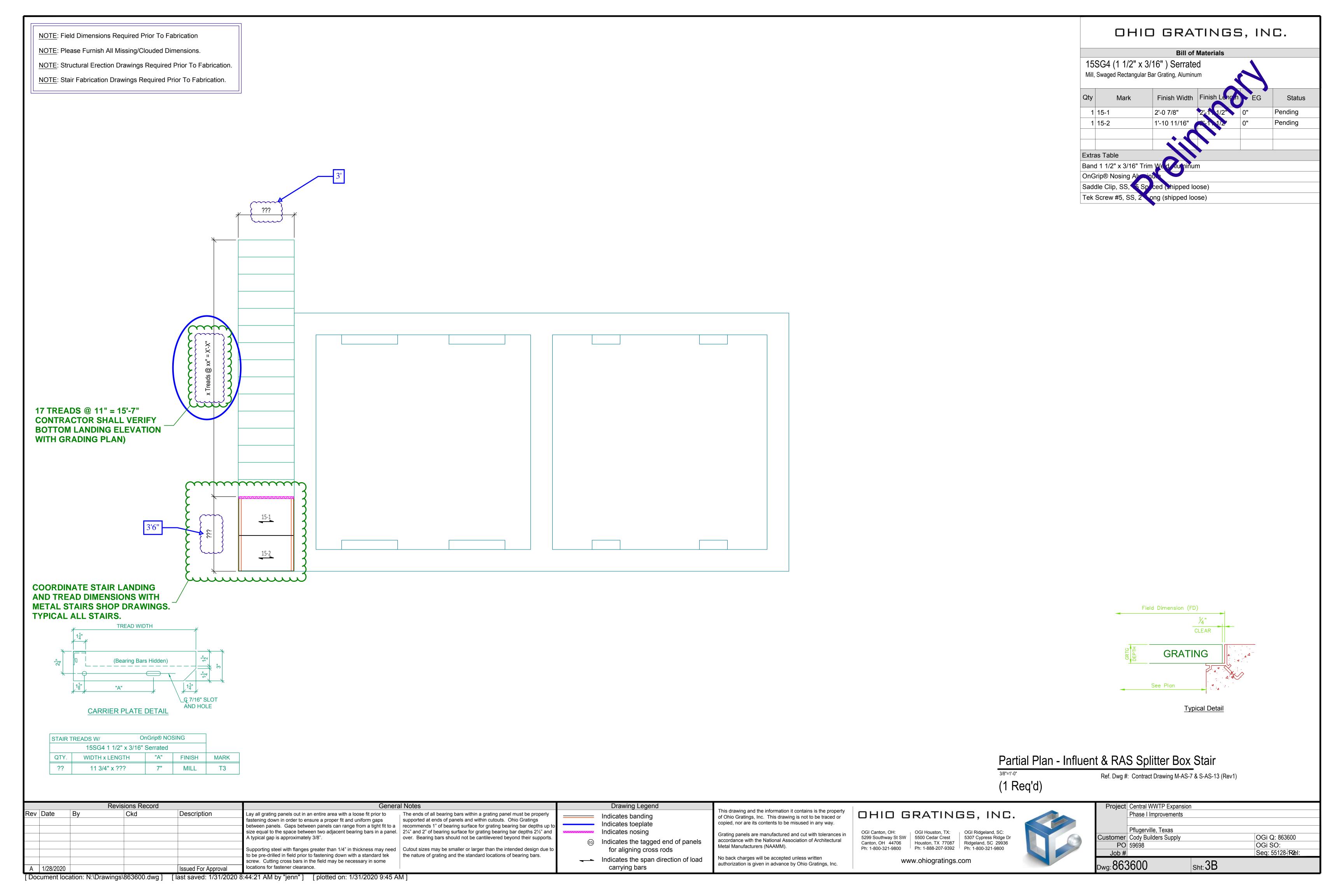
to be pre-drilled in field prior to fastening down with a standard tek screw. Cutting cross bars in the field may be necessary in some locations for fastener clearance. Issued For Approval [Document location: N:\Drawings\863600.dwg] [last saved: 1/31/2020 8:44:21 AM by "jenn"] [plotted on: 1/31/2020 9:45 AM]

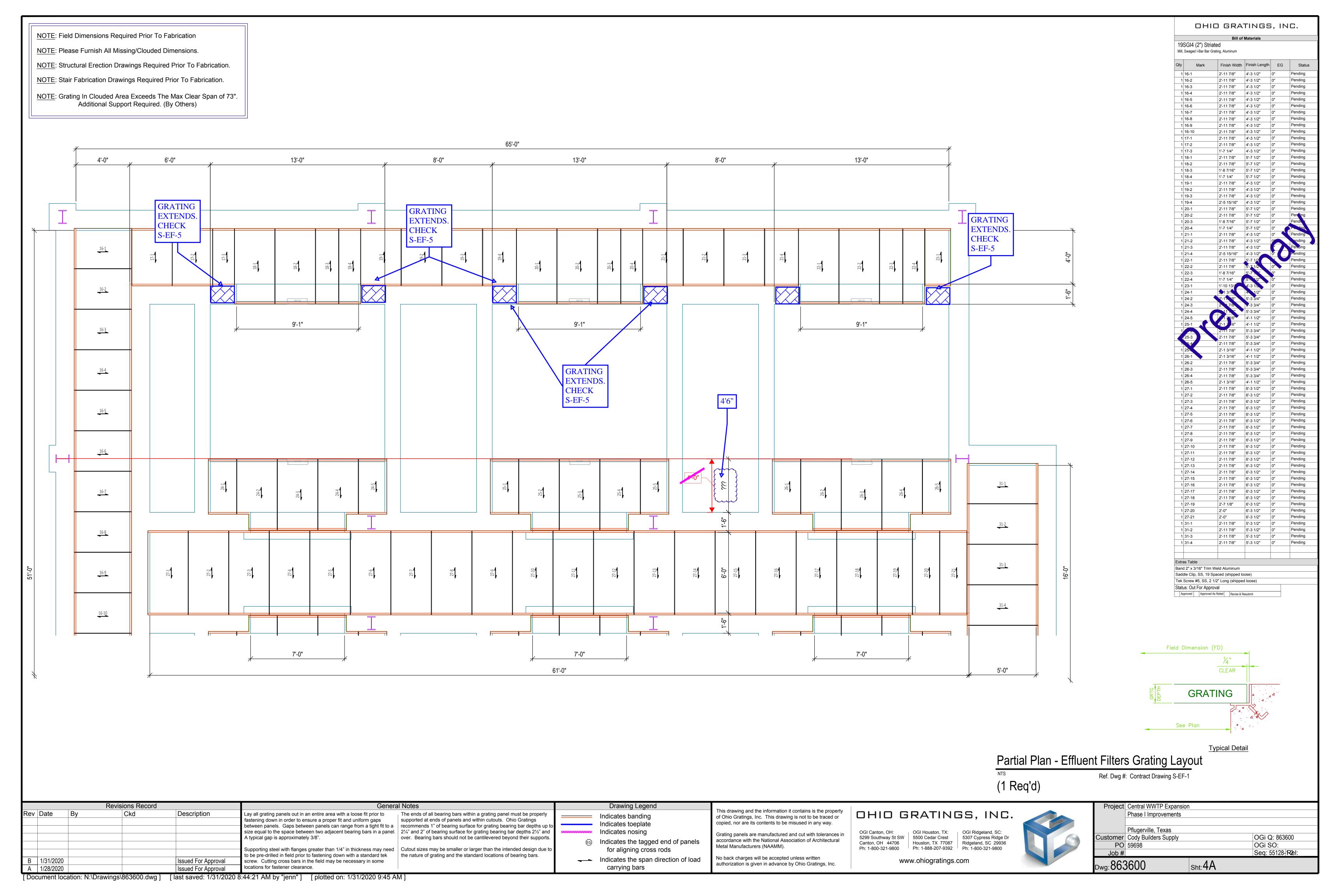


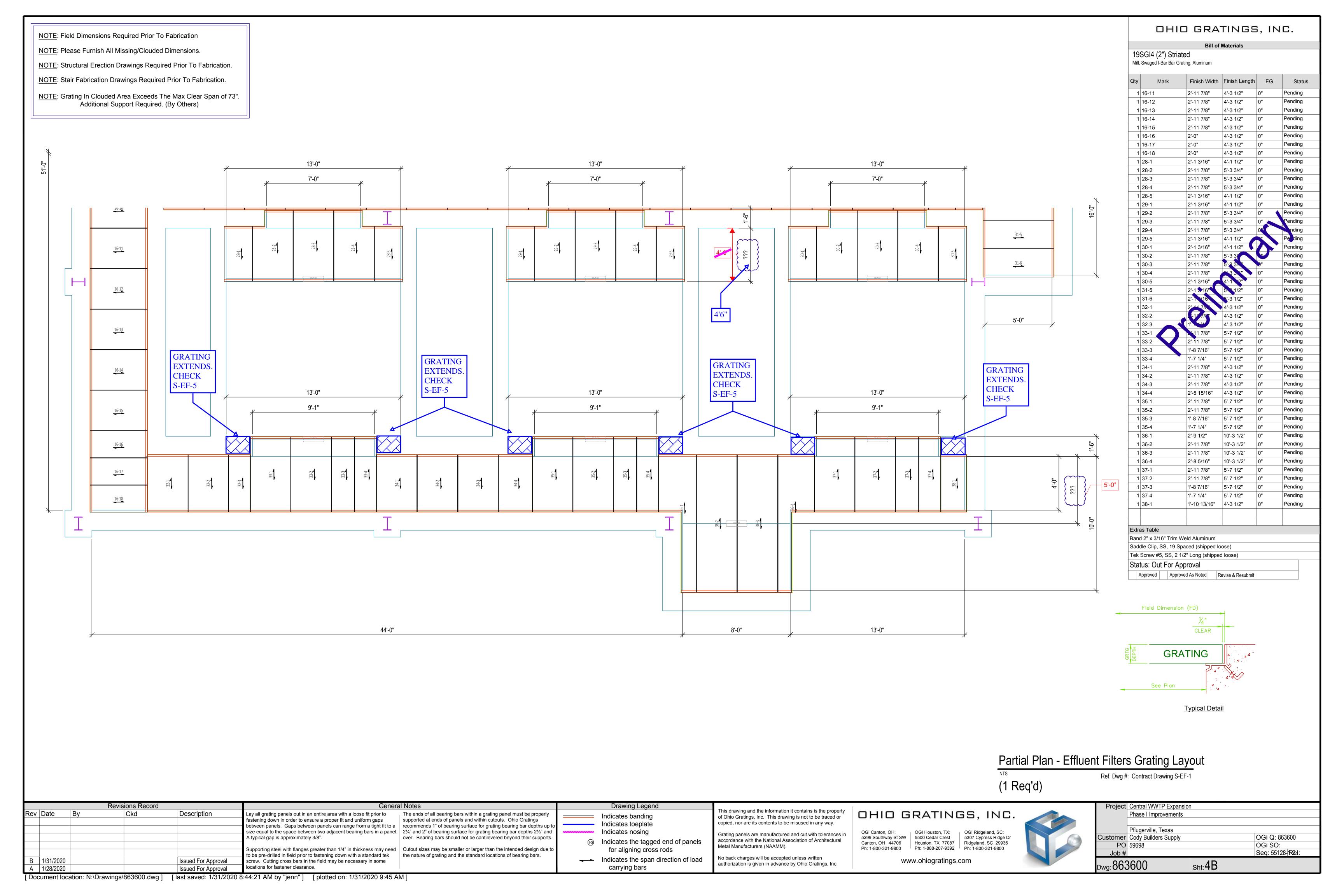
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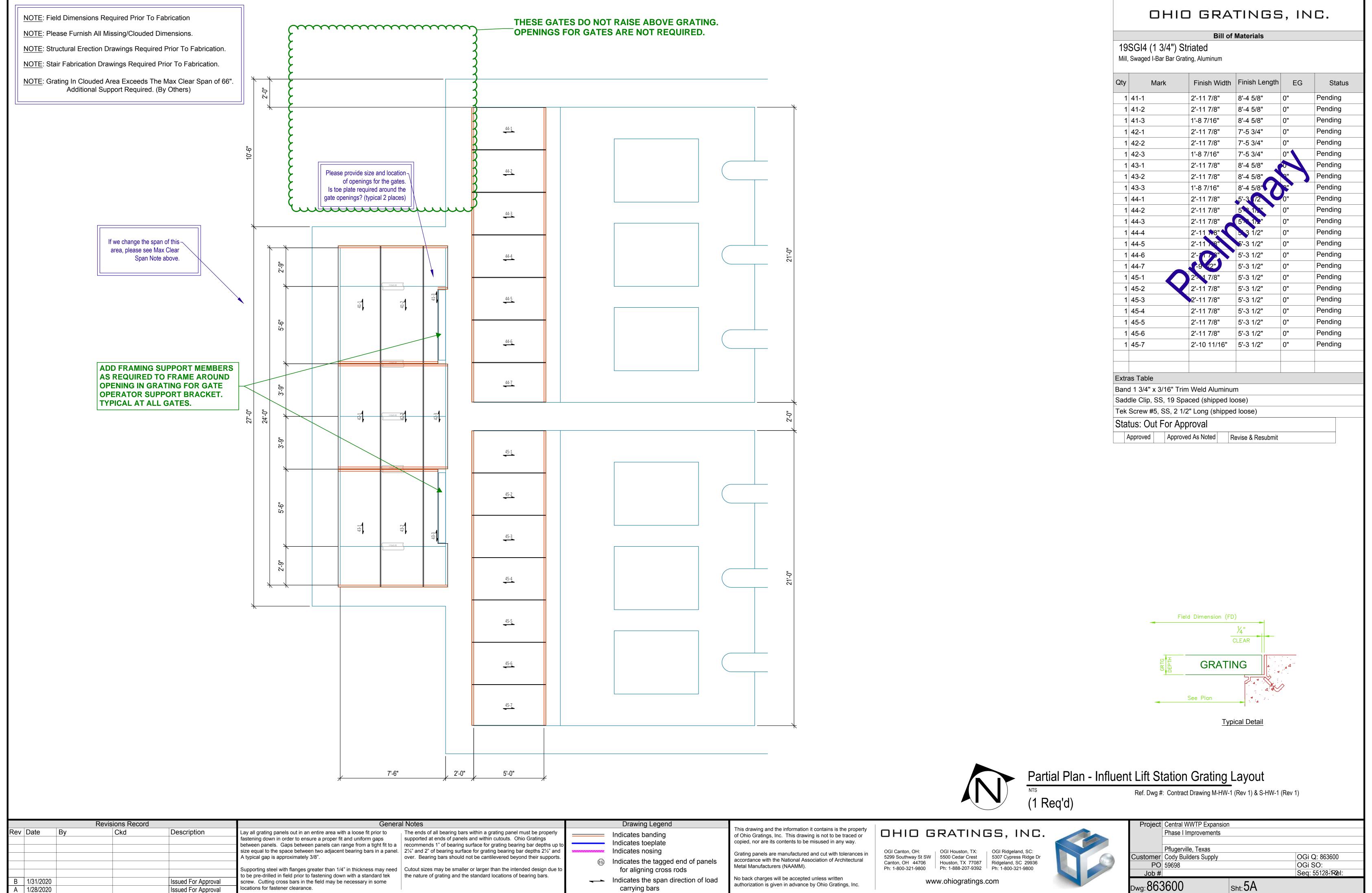


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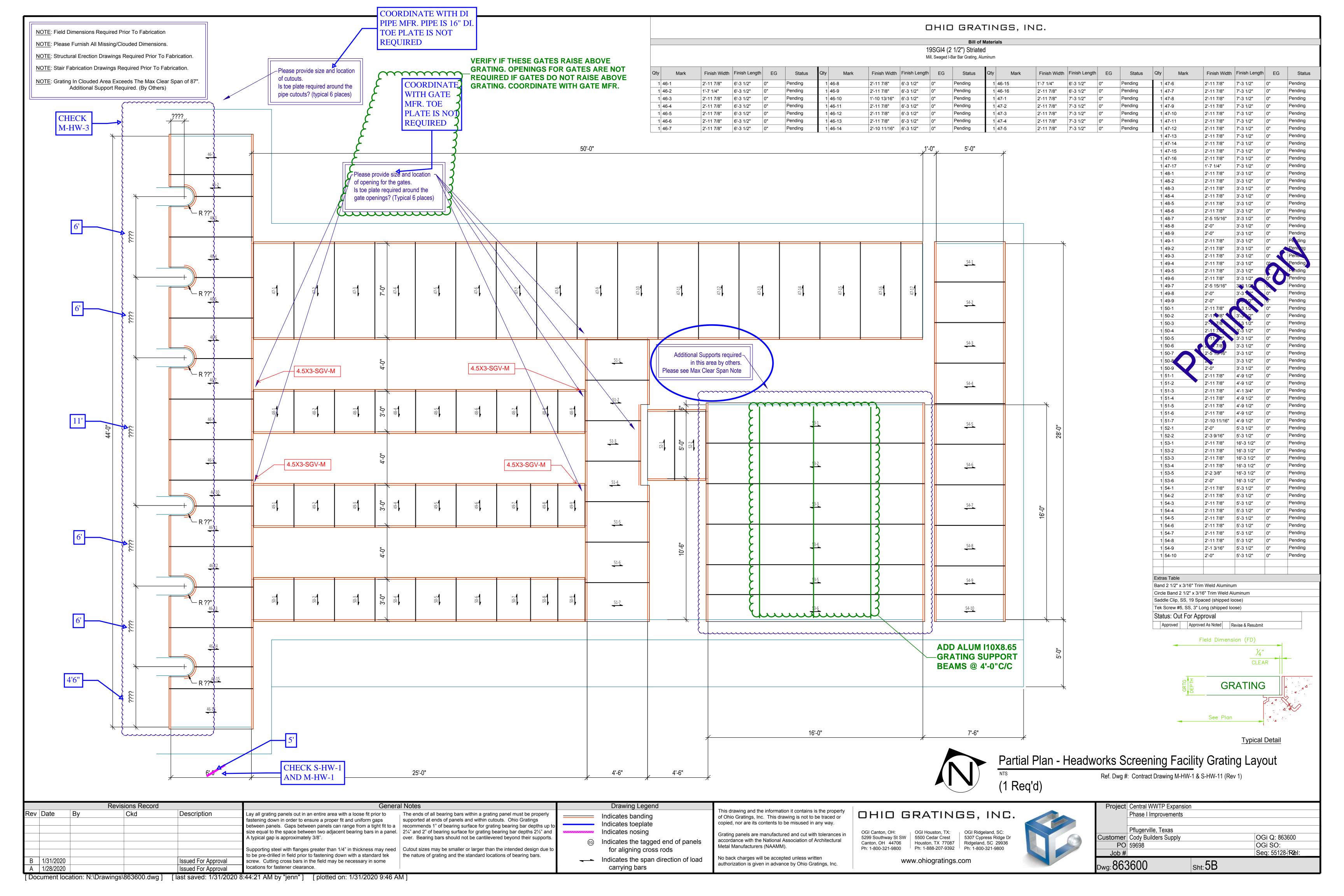


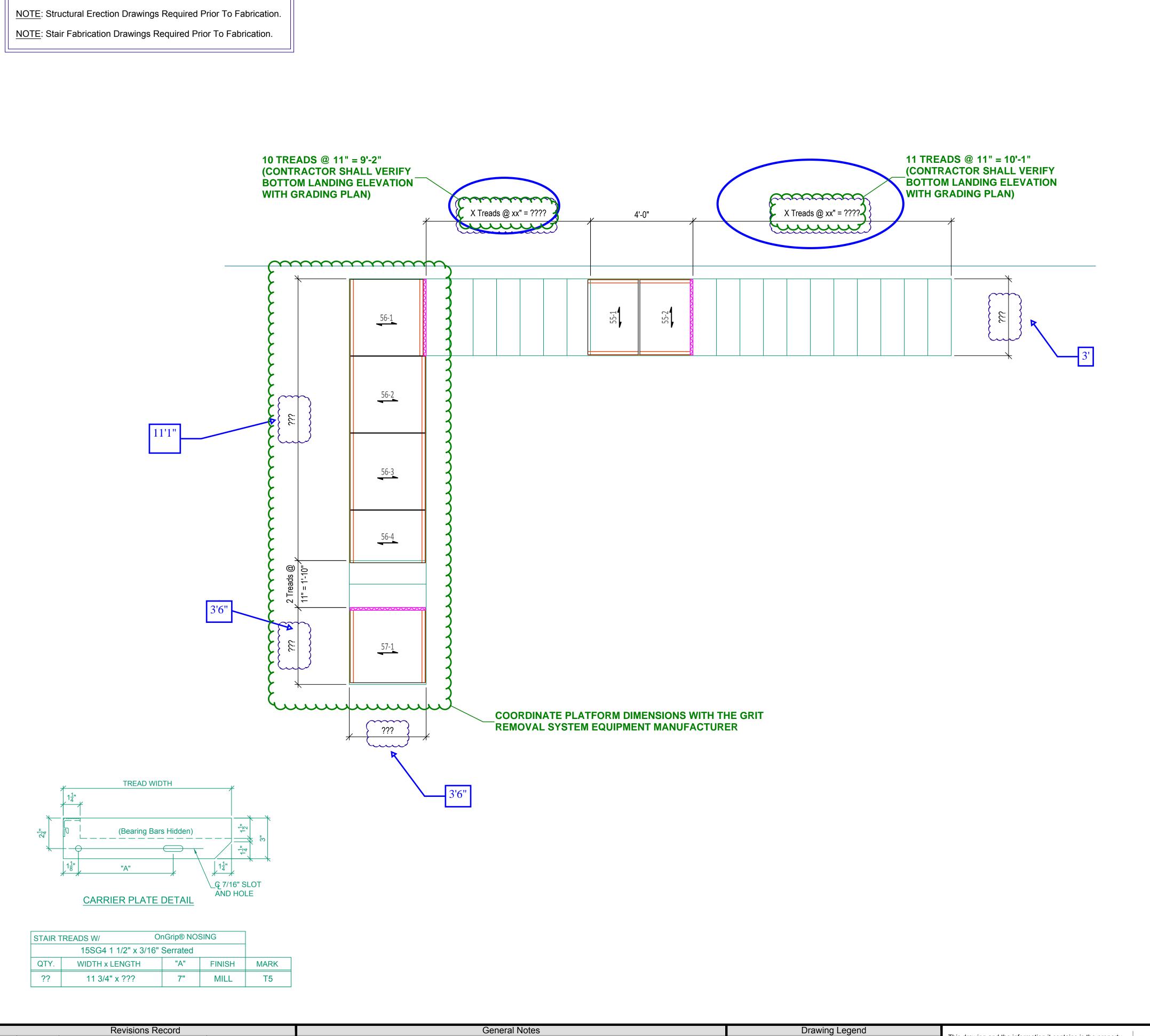






[Document location: N:\Drawings\863600.dwg] [last saved: 1/31/2020 8:44:21 AM by "jenn"] [plotted on: 1/31/2020 9:46 AM]







Bill of Materials 15SG4 (1 1/2" x 3/16") Serrated Mill, Swaged Rectangular Bar Grating, Aluminum

Qty	Mark	Finish Width	Finish Length	EG	Status
1	55-1	1'-11 5/8"	2'-1 . 1/2"	0"	Pending
1	55-2	2'-0 7/8"	2'-1 , 1/2'	0"	Pending
1	56-1	2'-11 13/16	2'-1 \ 3/4"	0"	Pending
1	56-2	2'-11 13/16"	2'-11 1/2"	0"	Pending
1	56-3	2'-11 13/16"	2'-11 1/2"	0"	Pending
1	56-4	2'-(9/16"	2'-11 1/2"	0"	Pending
1	57-1	2-11 5/16"	2'-11 1/2"	0"	Pending

Extras Table

Band 1 1/2" x 3/16" Trim Weld Aluminum

OnGrip® Nosing Aluminum

Saddle Clip, SS, 15 Spaced (shipped loose)

Tek Screw #5, SS, 2" Long (shipped loose)

Status: Out For Approval

Approved Approved As Noted Revise & Resubmit

Partial Plan - Headworks Screening Facility Stair Ref. Dwg #: Contract Drawing S-HW-11 (Rev 1)

Rev	Date	Ву	Ckd	Description	Lay all grating panels out in an entire area with a loose fit prior to	The ends of all b
					fastening down in order to ensure a proper fit and uniform gaps	supported at end
					between panels. Gaps between panels can range from a tight fit to a size equal to the space between two adjacent bearing bars in a panel.	recommends 1" 21/4" and 2" of be
					A typical gap is approximately 3/8".	over. Bearing b
					Supporting steel with flanges greater than 1/4" in thickness may need	Cutout sizes ma
					to be pre-drilled in field prior to fastening down with a standard tek screw. Cutting cross bars in the field may be necessary in some	the nature of gra
	1/28/2020			Issued For Approval	locations for fastener clearance.	

Il bearing bars within a grating panel must be properly ends of panels and within cutouts. Ohio Gratings 1" of bearing surface for grating bearing bar depths up to bearing surface for grating bearing bar depths 21/2" and bars should not be cantilevered beyond their supports. may be smaller or larger than the intended design due to grating and the standard locations of bearing bars.

Drawing Legend Indicates banding Indicates toeplate Indicates nosing

carrying bars

© Indicates the tagged end of panels for aligning cross rods Indicates the span direction of load

This drawing and the information it contains is the property of Ohio Gratings, Inc. This drawing is not to be traced or copied, nor are its contents to be misused in any way.

Grating panels are manufactured and cut with tolerances in accordance with the National Association of Architectural Metal Manufacturers (NAAMM).

No back charges will be accepted unless written authorization is given in advance by Ohio Gratings, Inc.

DHID GRATINGS, INC.

www.ohiogratings.com

OGI Canton, OH:

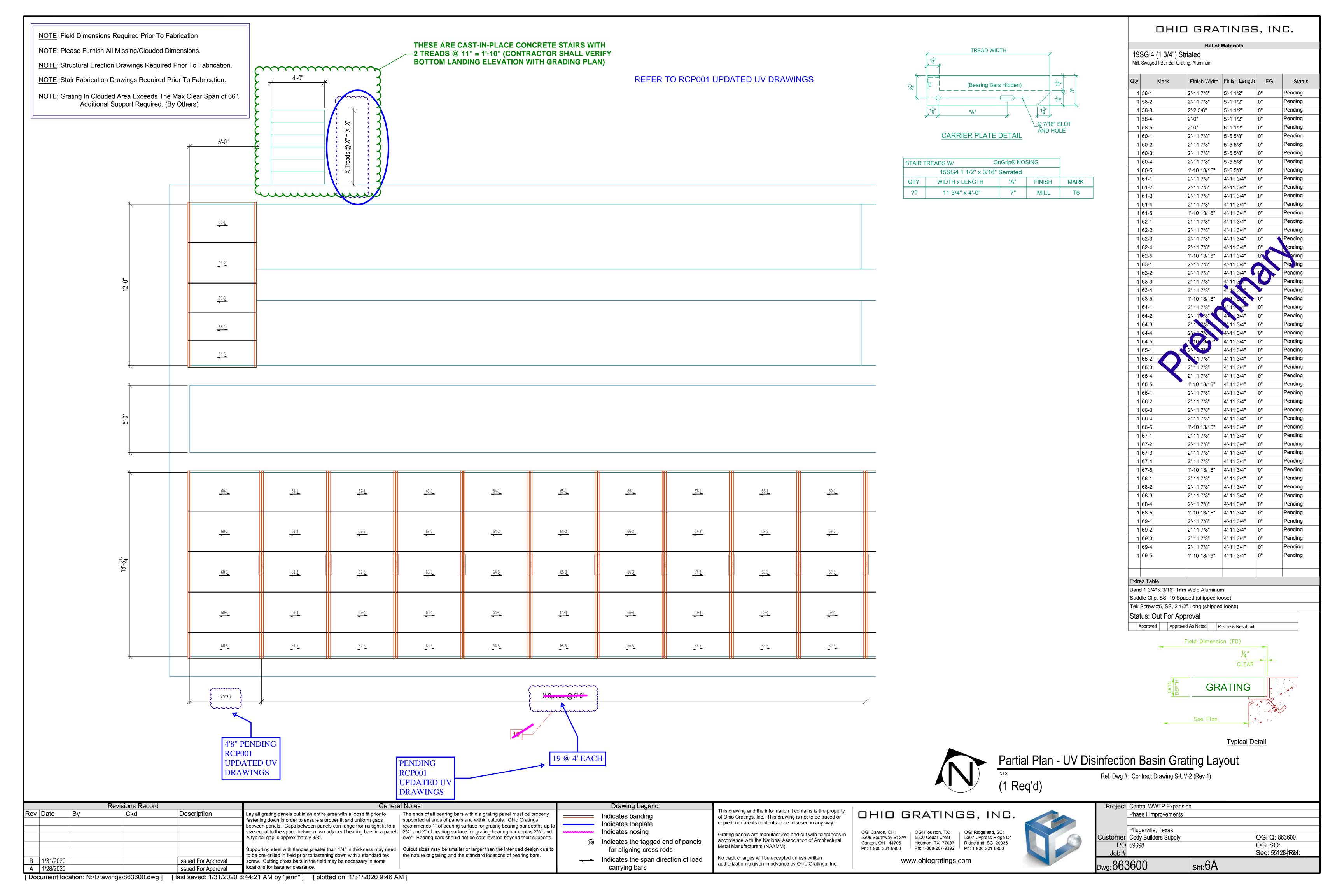
OGI Houston, TX: OGI Ridgeland, SC: 5299 Southway St SW 5500 Cedar Crest 5307 Cypress Ridge Dr Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936 Ph: 1-800-321-9800 Ph: 1-888-207-9392 Ph: 1-800-321-9800

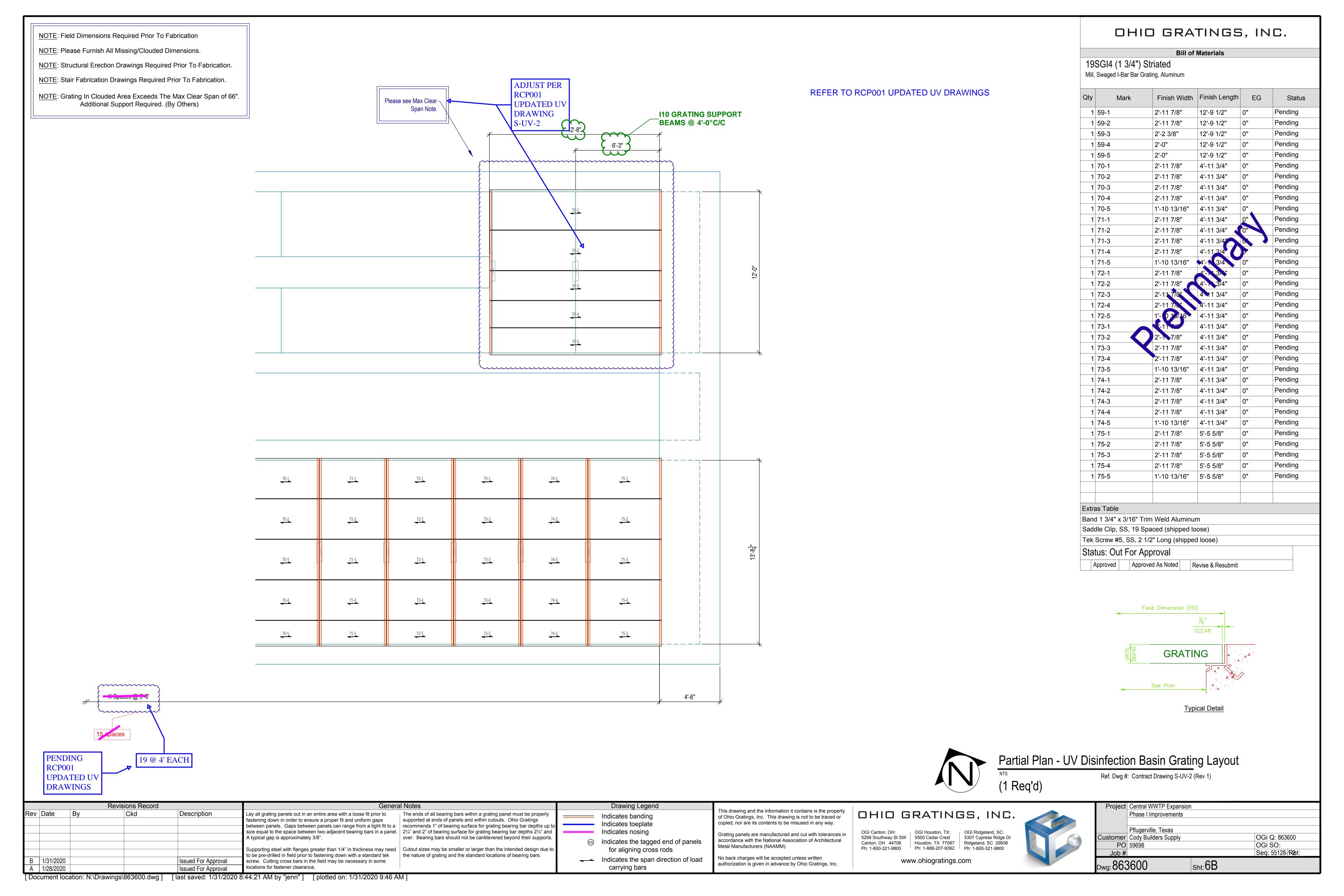
Project	Central WWTP Expansion	1			
	Phase I Improvements				
	Pflugerville, Texas				
Customer	Cody Builders Supply		OGi Q: 863600		
PO 59698			OGi SO:		
Job#			Seq: 55128-1R2el:		
962600		FC.			
Dwg: 863600		Sht: 3 C			

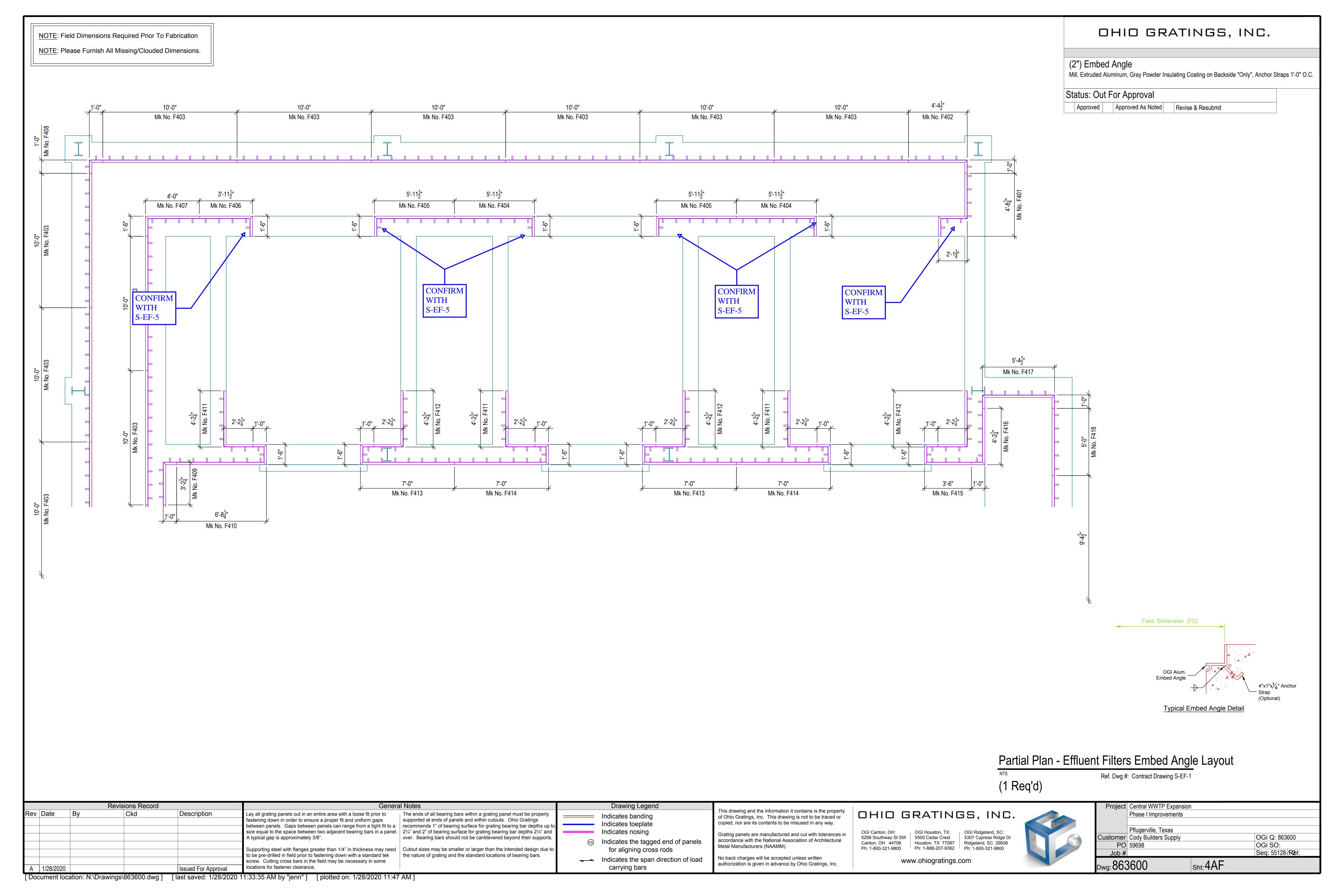
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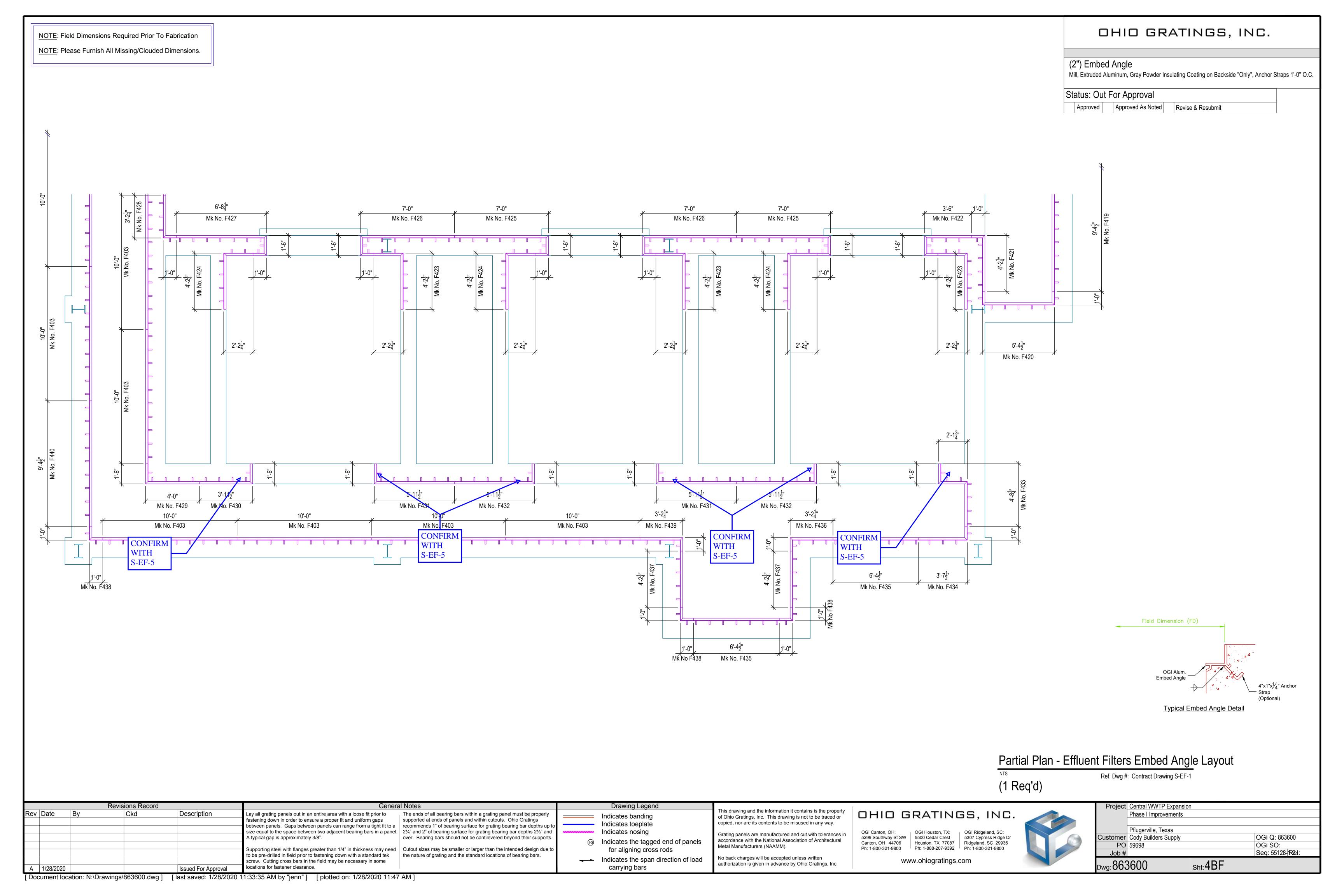
NOTE: Field Dimensions Required Prior To Fabrication

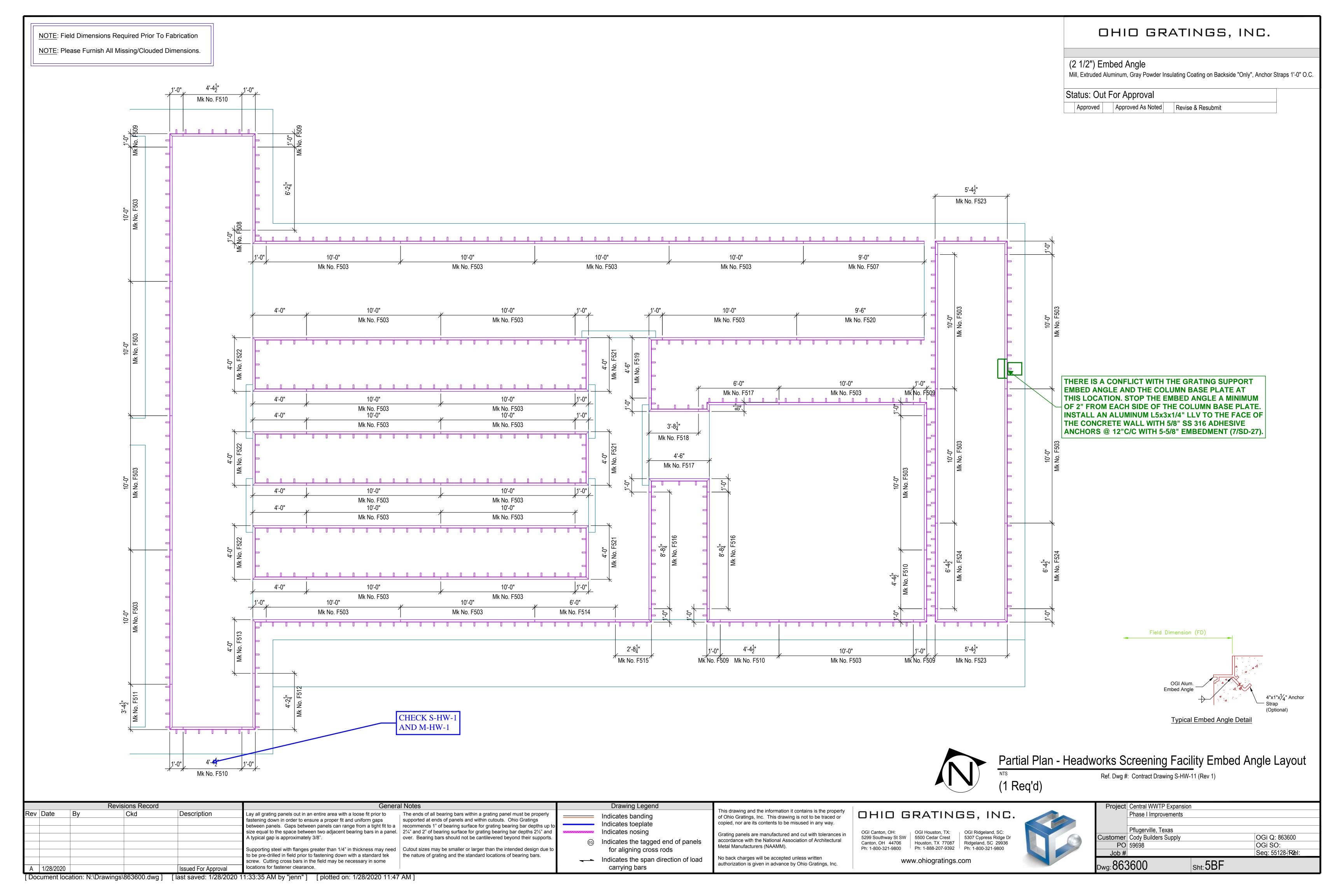
NOTE: Please Furnish All Missing/Clouded Dimensions.







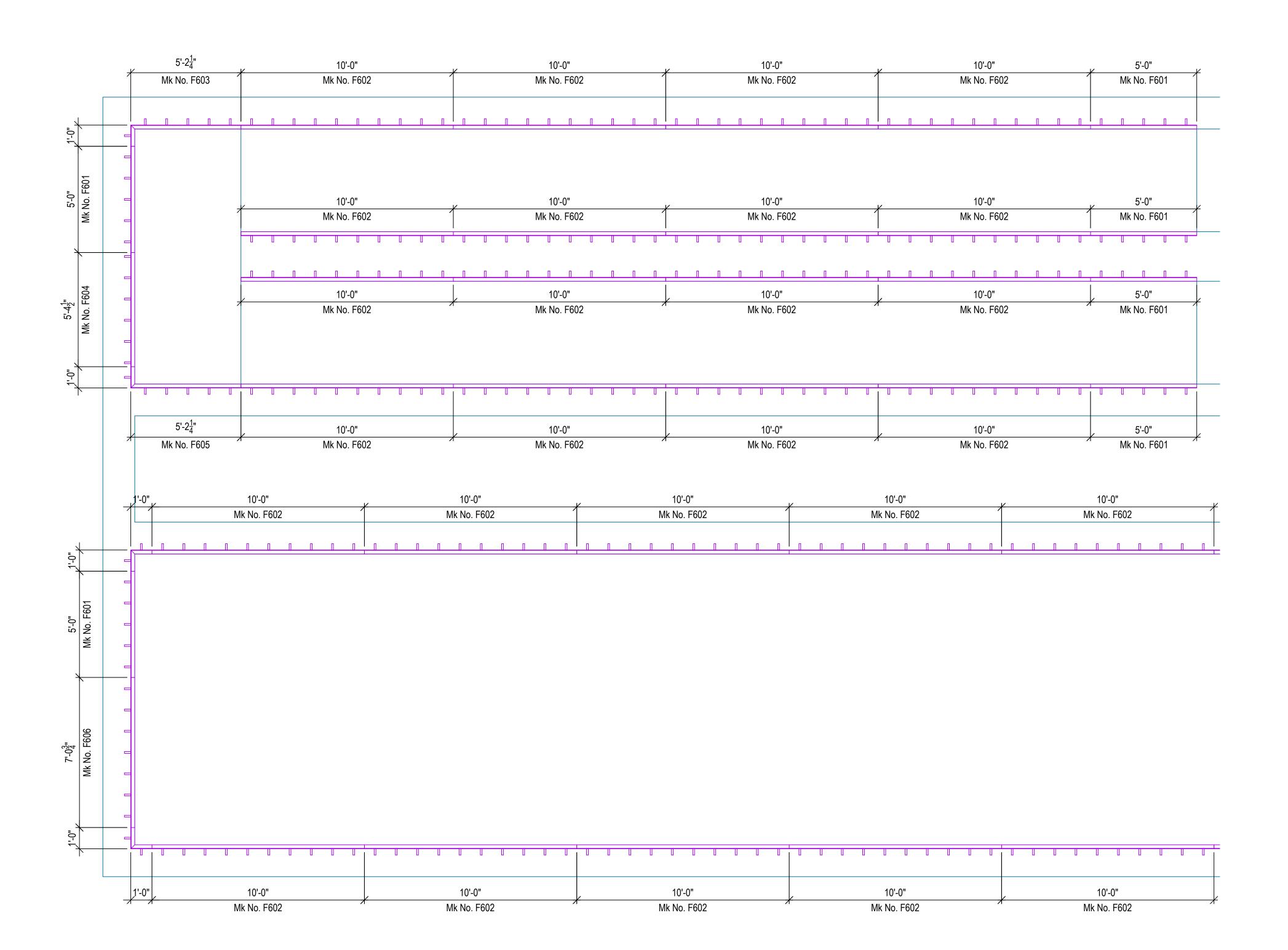




NOTE: Field Dimensions Required Prior To Fabrication

NOTE: Please Furnish All Missing/Clouded Dimensions.

REFER TO RCP001 UPDATED UV DRAWINGS



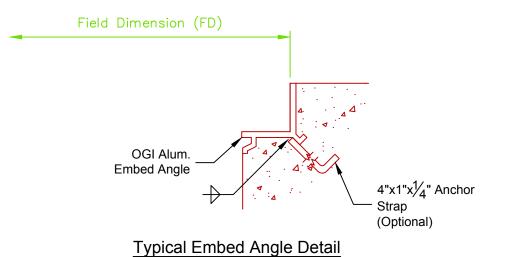
OHIO GRATINGS, INC.

(1 3/4") Embed Angle

Mill, Extruded Aluminum, Gray Powder Insulating Coating on Backside "Only", Anchor Straps 1'-0" O.C.

Status: Out For Approval

Approved As Noted Revise & Resubmit



Partial Plan - UV Disinfection Basin Embed Angle Layout

(1 Req'd)

Ref. Dwg #: Contract Drawing S-UV-2

Project	t Central WWTP Expansion					
	Phase I Improvements					
	Pflugerville, Texas					
Customer	Cody Builders Supply		OGi Q: 863600			
PO	59698		OGi SO:			
Job #			Seq: 55128-1R2el:			
Dwg: 863600		Sht: 6AF				

Revisions Record					Gene			
Rev	Date	Ву	Ckd	Description	Lay all grating panels out in an entire area with a loose fit prior to fastening down in order to ensure a proper fit and uniform gaps between panels. Gaps between panels can range from a tight fit to a size equal to the space between two adjacent bearing bars in a panel. A typical gap is approximately 3/8".			
					Supporting steel with flanges greater than 1/4" in thickness may need to be pre-drilled in field prior to fastening down with a standard tek screw. Cutting cross bars in the field may be necessary in some			

The ends of all bearing bars within a grating panel must be properly supported at ends of panels and within cutouts. Ohio Gratings recommends 1" of bearing surface for grating bearing bar depths up to 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" and over. Bearing bars should not be cantilevered beyond their supports. Cutout sizes may be smaller or larger than the intended design due to the nature of grating and the standard locations of bearing bars.

Drawing Legend Indicates banding Indicates toeplate Indicates nosing

for aligning cross rods

of Ohio Gratings, Inc. This drawing is not to be traced or copied, nor are its contents to be misused in any way. Grating panels are manufactured and cut with tolerances in Indicates the tagged end of panels accordance with the National Association of Architectural

This drawing and the information it contains is the property

Metal Manufacturers (NAAMM). No back charges will be accepted unless written

OHIO GRATINGS, INC. OGI Canton, OH: OGI Houston, TX: OGI Ridgeland, SC:

5299 Southway St SW 5500 Cedar Crest 5307 Cypress Ridge Dr Canton, OH 44706 Houston, TX 77087 Ridgeland, SC 29936

Indicates the span direction of load authorization is given in advance by Ohio Gratings, Inc. carrying bars

www.ohiogratings.com

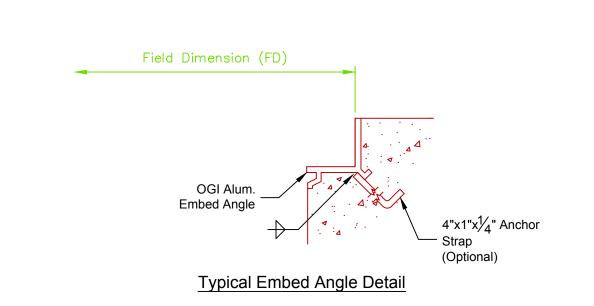
locations for fastener clearance. A 1/28/2020 Issued For Approval [Document location: N:\Drawings\863600.dwg] [last saved: 1/28/2020 11:33:35 AM by "jenn"] [plotted on: 1/28/2020 11:47 AM] NOTE: Field Dimensions Required Prior To Fabrication NOTE: Please Furnish All Missing/Clouded Dimensions.

REFER TO RCP001 UPDATED UV DRAWINGS

OHIO GRATINGS, INC. (1 3/4") Embed Angle Mill, Extruded Aluminum, Gray Powder Insulating Coating on Backside "Only", Anchor Straps 1'-0" O.C.

Status: Out For Approval

Approved Approved As Noted Revise & Resubmit



Partial Plan - UV Disinfection Basin Embed Angle Layout

Ref. Dwg #: Contract Drawing S-UV-2

(1 Req'd)

Revisions Record				General Notes			Drawing Legend		
Rev Date	Ву	Ckd	Description		The ends of all bearing bars within a grating panel must be properly supported at ends of panels and within cutouts. Ohio Gratings recommends 1" of bearing surface for grating bearing bar depths up to 21/4" and 2" of bearing surface for grating bearing bar depths 21/2" and over. Bearing bars should not be cantilevered beyond their supports.	<u> </u>	Indicates banding Indicates toeplate Indicates nosing Indicates the tagged end of panels	This drawing and the information it contains is the property of Ohio Gratings, Inc. This drawing is not to be traced or copied, nor are its contents to be misused in any way. Grating panels are manufactured and cut with tolerances in accordance with the National Association of Architectural	
A 1/28/20	020		Issued For Approval	Supporting steel with flanges greater than 1/4" in thickness may need to be pre-drilled in field prior to fastening down with a standard tek screw. Cutting cross bars in the field may be necessary in some locations for fastener clearance.	Cutout sizes may be smaller or larger than the intended design due to the nature of grating and the standard locations of bearing bars.		for aligning cross rods Indicates the span direction of load carrying bars	Metal Manufacturers (NAAMM). No back charges will be accepted unless written authorization is given in advance by Ohio Gratings, Inc.	

10'-0"

Mk No. F602

10'-0"

Mk No. F602

10'-0"

Mk No. F602

10'-0" Mk No. F602

Mk No. F602

9'-0<u>1</u>"

Mk No. F611

Mk No. F611

Mk No. F607

2'-10<u>1</u>"

Mk No. F610

tains is the property OHIO GRATINGS, INC. ed in any way.

ut with tolerances in n of Architectural

OGI Canton, OH:
5299 Southway St SW
Canton, OH 44706
Ph: 1-800-321-9800

OGI Houston, TX:
5500 Cedar Crest
Houston, TX 77087
Ph: 1-888-207-9392

OGI Ridgeland, SC:
5307 Cypress Ridge Dr
Ridgeland, SC 29936
Ph: 1-800-321-9800

www.ohiogratings.com



	Project	Central WWTP Expansion				
		Phase I Improvements				
ı		Pflugerville, Texas				
ı	Customer	Cody Builders Supply		(OGi Q: 863600	
	РО	59698			OGi SO:	
	Job#			,	Seq: 55128- 122 0	
	Dwg: 863	3600	Sht: 6BF			

Project: Central Wastewater Treatment Plant	Project Number:
Owner: City of Pflugerville	88
Contractor: BAR Constructors, Inc	279
Engineer: Freese and Nichols, Inc	PFL16607
Change Proposal No.: CP0005 Description: Temporary Communications of Field Operations Building Specification: N/A	or Administration Building and
Drawing No.: N/A Detail Description: N/A	
Reference Document:	
☐ Request for a Change Proposal No.: ☐ Request for Information	No.:
☐ Shop Drawing Deviation Request No.: ☐ Field Order No.:	
Contractor proposes the following modifications to the Contract Documents:	
 Provide temporary communications for the Public Works Administration Bullding. The temporary communications will take the form of two 5GHz Light radios communicating to the existing radio housed at Electrical Building 4. 	
Purpose of Change Proposal:	
During site investigation by Team Morales it was discovered that there was a fiber of ductbank routed from Electrical Building 4 to behind the Public Works Administration shown to contain power and could be abandoned after demolition of the existing laprovides service to the Public Works Admin Building. This ductbank will need to be through the site of the new headwords facility. As a result of the ductbank demolition are required for the Public Works Administration Building and Field Operations Building	on Building. The ductbank was ab building. This fiber optic line demolished as it is routed ion, temporary communications
Attachments: CP0003	
Requested Action:	
☐ Issue a Field Order ☐ Issue a Work Change Directive or Change Order fo	r the described changes
Basis of Compensation:	-
☐ Unit Prices ☐ Lump Sum calculated using Cost of Work provisions in Gene	eral Conditions Paragraph 13.01
\square Time and Materials using Cost of Work provisions in General Conditions Paragra	ph 13.01
Required Documentation:	
oxtimes Detailed cost breakdown attached showing labor, materials, equipment, and all	other costs for this change
$\ \square$ Schedule attached to show impacts and justification for requested change in Co	ntract Times
Total Change Proposal Amount: \$7,299.50 Adjustment in	Contract Times (days): 0

Change Proposal Page 1 of 2

Project:	Central Wastewater Treatment Plant	Project Number:
Owner:	City of Pflugerville	88
Contractor:	BAR Constructors, Inc	279
Engineer:	Freese and Nichols, Inc	PFL16607
Contractor m unforeseen a any other eff Contract Tim the Work wit	sation offered for this Change Proposal is the full, complete, and final contains in a result of or relating to this change whether said costs are lest this time, including without limitation, any cost for delay, extended over the contains of the contract Modifical est are the complete and final adjustments for direct impacts to the ability of this Contract Times and are the only adjustments to which the Contract Documents and all of the terms and provisions thereof	known, unknown, foreseen, or erhead, ripple or impact cost, or tion. Requested changes in ty of the Contractor to complete actor is entitled. Except as
Certified by:	Dennis Berger	Date: 5/14/2020
Action:		
☐ Field Ord	er No.: Issued 🛛 Change Order No.: Issued	
☐ Contract	Amendment No.: Issued	Issued
☐ Change P	roposal Not Accepted $\ \ \Box$ Additional information required. See co	mments. \square Cancelled
Comments: To be include	ed in CO0001 along with CP0001, CP0002, CP0003, CP0006 and CP0007	
Response by	: Janatha Iran	Date: 6/10/2020

Change Proposal Page 2 of 2



P.O. Box 10 · Lancaster, TX 75146

May 14, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CP005 Temp Comms Admin & Field Operations

Dear Mr. Gaughan,

Please find the attached pricing and quotations for Temp Comms from T. Morales. BAR Constructors, Inc. requests an ADD to the contract amount of \$,7299.50 and a time extension of 0 calendar days. Below are those inclusions and exclusions associated with this work.

Inclusions:

- As stated in T. Morales Company Quote
- All "Assumptions" as stated in T. Morales Quote

Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc.

BAR Constructors, Inc. - Cost Detail Worksheet Job Name: Central WWTP Expanison Phase 1 Job # 279

Date: 05/14/2020 Proposal No. CP005

Labor				Temp	Comms - Admir	n & Field Operation	ons		
				i cinip	Commis Admin	Tarrela operation			
emp Comms - Admin & Field Operations				Day 1	Day 2	Day 3	Day 4		Total
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-
								\$	-
Subtotal								\$	-
Payroll Taxes and Insurance (55%)								\$	-
Total Labor								\$	-
Non-Taxed Material	Rate	T		Tomp	Comms - Admir	n & Field Operation	ne	1	
Femp Comms - Admin & Field Operations	nate			Temp	Collins - Aulilli	T & Fleid Operatio	113	\$	
remp commis - Admini & rield Operations								\$	
								\$	_
		† †						\$	
		† †				1		\$	
								\$	-
								\$	-
Subtotal		†						\$	-
							ł	4	
Taxed Material				Temp	Comms - Admir	n & Field Operation	ons		
								\$	-
								\$	-
Subtotal Taxed Material + 8.25%								\$	-
General Condition Material									
Small Tools 5% labor								\$	_
								\$	-
Total Material	Rate			Temp	Comms - Admii	n & Field Operatio	ons		
Total Material Equipment Temp Comms - Admin & Field Operations	Rate			Temp	Comms - Admii	n & Field Operatio	ons	\$	
Total Material Equipment	Rate			Temp	Comms - Admii	a & Field Operation	ons	\$ Total	-
Total Material Equipment	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total \$	-
Total Material Equipment	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total \$ \$ \$	-
Total Material Equipment Temp Comms - Admin & Field Operations	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total	-
Total Material Equipment Temp Comms - Admin & Field Operations Subtotal	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment)	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25%	Rate			Temp	Comms - Admii	n & Field Operation	ons	Total	
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25%	Rate			Temp	Comms - Admii	a & Field Operation	ons	Total \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment								Total	
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor	Rate		1	Тетр		a & Field Operation		Total	
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor		LS	1					Total	- - - - - - - - - -
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor	Rate	LS	1	Тетр				Total	6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment)	Rate	LS	1	Тетр				Total	- - - - - - - - - - - - - -
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company	Rate	LS	1	Тетр				Total	6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor	Rate	LS	1	Тетр				Total	6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company	Rate \$ 6,750.00	LS		Temp 1	Comms - Admii	n & Field Operation		Total	- - - - - - - - - - - - -
Equipment Femp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Fax @ 8.25% Fotal Equipment Subcontractor T. Morales Company	Rate \$ 6,750.00	LS	s	Temp 1		n & Field Operation		Total	6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company Total Subcontractor	Rate \$ 6,750.00	LS		Temp 1	Comms - Admii	& Field Operation		Total	6,750. 6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company Fotal Subcontractor	Rate \$ 6,750.00	LS	s	Temp 1	Comms - Admii	n & Field Operation		Total	6,750. 6,750.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company Total Subcontractor Totals Insurance (1.8%) Overhead and Profit (5% for subs)	Rate \$ 6,750.00	LS	s	Temp 1	Comms - Admii	n & Field Operation		Total	6,750. 6,750. 121.
Equipment Temp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor T. Morales Company Fotal Subcontractor	Rate \$ 6,750.00	LS	s	Temp 1	Comms - Admii	n & Field Operation		Total	6,750. 6,750. 121. 337.
Equipment Femp Comms - Admin & Field Operations Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Fax @ 8.25% Fotal Equipment Subcontractor F. Morales Company Fotal Subcontractor Fotals Insurance (1.8%) Diverhead and Profit (5% for subs) Diverhead and Profit (15% Self Performed Work)	Rate \$ 6,750.00	LS	s	Temp 1	Comms - Admii	n & Field Operation		Total	6,750.



Project: Pflugerville Central Plant WWTP Date: 05/14/20

Expansion Phase 1

TMC Change #: COR-04

Owner: City of Pflugerville Project Change #: N/A

Change Order Request

Per the request of the engineer, T. Morales Company offers a change in pricing for consideration by the owner to provide temporary communication for the duration of the fiber demo.

CP USA will be adding the Administration and the Field Operations buildings to the existing network created by CP USA between Electrical Building 4 and the Bio Solids building.

The installation will consist of two 5GHz Lite Beam M5 23dbi Ubiquiti radios P/N LBE-M5-23-US, one located at the Administration Building mounted on an extender pole, and the other will be a spare radio for this addition as a contingency. The Field Operations building will utilize the LBE-M5-23-US existing radio that is currently being used at the Electrical Building and this will be mounted on an extender pole. Repurposing the radio from the Electrical building will help alleviate the amount of radios being purchased and sitting on the shelf. The Electrical building will now utilize an Omni antenna P/N AMO-5G10 and a Rocket M5 radio to create an access point for each of the other buildings to communicate back too. Each radio will have an ethernet surge protector P/N ETH-SP-G2, as well as a POE adapter. CP USA will program the radios with the IP addresses provided by Alterman. As a contingency, CP USA will provide one spare preprogrammed radio for both part numbers LBE-M5-23-US and the Rocket M5. This will make for an easy swap should either of the radios ever fail or have issues.

TMC feels this scope of work does qualify to be a change order as it is not clearly shown on the plans or specifications that the purposed buildings were needed to maintain communications nor did the did the plans show the Ductbank with fiber being demoed from the Electric Building No.4 to the Admin Building (Exhibit A yellow highlight) during the bid process, the Ductbank was not discovered until TMC was onsite wire tracing the conductors leaving the EB4 building that the fiber line was discovered and redlined by TMC. Giving TMC no way to know that it would be needed to maintain communications between the three buildings during the bid process.

The Total Cost to provide the temporary communications towers will equate to a total of \$6,750.00

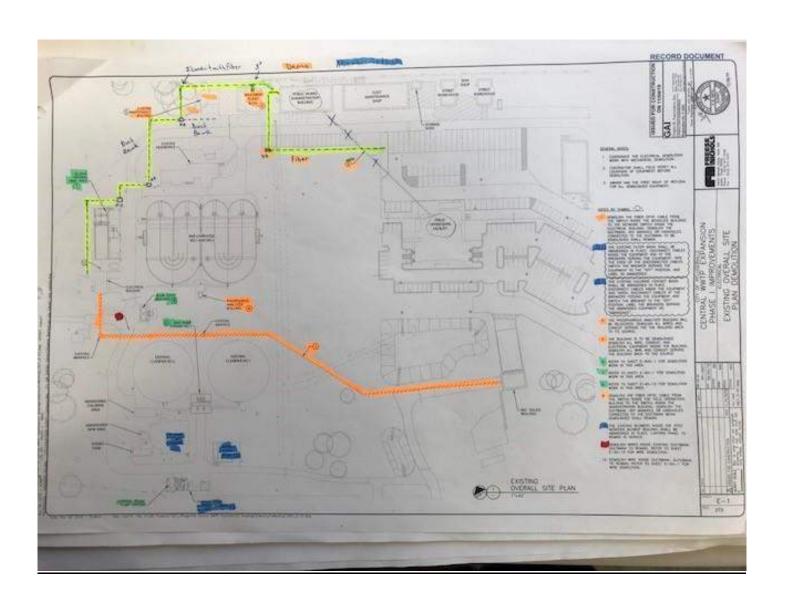
Change Initiated By: <u>Luis Varela / Freese&Nichols</u> Change Prepared By: <u>Tye Eldridge / TMC</u>

Change Delivered To: <u>Dennis Berger / Bar Const</u> Response Rqst'd By: <u>ASAP</u>

Carbon Copy To: Randy Eldridge / TMC

PO Box 859 Florence, Texas 76527 Phone: 254-793-4344 601 South Patterson Avenue Florence, Texas 76527 Fax: 254-793-3044

Exhibit A



Project: Central Wastewater Treatment Plant	Project Number:						
Owner: City of Pflugerville	88						
Contractor: BAR Constructors, Inc	279						
Engineer: Freese and Nichols, Inc	PFL16607						
Change Proposal No.: CP0006 Description: 60" Hobas Pipe at Mixed Lique Specification: N/A Drawing No.: N/A Detail Description: N/A	or Junction/Splitter Box						
Reference Document:							
☐ Request for a Change Proposal No.: ☐ Request for Information I	No.: 0032						
☐ Shop Drawing Deviation Request No.: ☐ Field Order No.:							
Contractor proposes the following modifications to the Contract Documents: 1. Change the 60" HOBAS pipe wall penetration at the Mixed Liquor Junction/Splitter Box from the proposed 342/Type penetration to a cast in place wall penetration.							
Purpose of Change Proposal: BAR submitted RFI0032 proposing the use of the cast in place 60" HOBAS pipe instered penetration at the Mixed Liquor Junction/Splitter Box as this will allow a true alignment water stop installation. HOBAS will place an FRP wall ring on the two vertical sticks credit back to the Owner.	nent of the pipe and a better						
Attachments: CP0006							
Requested Action:							
☐ Issue a Field Order ☐ Issue a Work Change Directive or Change Order for	the described changes						
Basis of Compensation:							
☐ Unit Prices ☐ Lump Sum calculated using Cost of Work provisions in Gene							
☐ Time and Materials using Cost of Work provisions in General Conditions Paragra	ph 13.01						
Required Documentation:							
☐ Detailed cost breakdown attached showing labor, materials, equipment, and all	_						
☐ Schedule attached to show impacts and justification for requested change in Co	ntract limes						
Total Change Proposal Amount: (\$7,626.27) Adjustment in G	Contract Times (days): 0						

Change Proposal Page 1 of 2

Project:	Central Wastewater Treatment Plant	Project	Number:						
Owner:	City of Pflugerville	88							
Contractor:	BAR Constructors, Inc	279							
Engineer:	Freese and Nichols, Inc PFL16607								
The compensation offered for this Change Proposal is the full, complete, and final compensation for all costs the Contractor may incur as a result of or relating to this change whether said costs are known, unknown, foreseen, or unforeseen at this time, including without limitation, any cost for delay, extended overhead, ripple or impact cost, or any other effect on changed or unchanged Work as a result of this Contract Modification. Requested changes in Contract Times are the complete and final adjustments for direct impacts to the ability of the Contractor to complete the Work within the Contract Times and are the only adjustments to which the Contractor is entitled. Except as modified hereby, the Contract Documents and all of the terms and provisions thereof remain in full force and effect.									
Certified by:	Dennis Berger	Date:	5/20/2020						
Action:									
☐ Field Ord	er No.: Issued 🛛 Change Order No.: 0001 Issued								
☐ Contract	Amendment No.: Issued		Issued						
☐ Change P	roposal Not Accepted $\ \Box$ Additional information required. See co	mments.	☐ Cancelled						
Comments: To be include	ed in CO0001 along with CP0001, CP0002, CP0003, CP0006 and CP0007								
Response by	: Janathan Tran	Date:	6/10/2020						

Change Proposal Page 2 of 2



P.O. Box 10 · Lancaster, TX 75146

May 20, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CP006 60" HOBAS Pipe @ ML Junction/Splitter Box

Dear Mr. Gaughan,

Please find the attached pricing and quotations for 60" HOBAS pipe at the ML junction/splitter box from BAR. BAR Constructors, Inc. CREDITS to the contract amount of \$7,626.27 and a time extension of <u>0 calendar</u> days. Below are those inclusions and exclusions associated with this work.

Inclusions:

- As stated in Associated Quotes
- All "Assumptions" as stated in Associated Quotes

Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc.

BAR Constructors, Inc. - Cost Detail Worksheet

Job Name: Central WWTP Expanison Phase 1

Job # 279

Date: 05/20/2020 Proposal No. CP006

Labor			Unit	Quantity	60" HOE	BAS PIPE @ ML S	Splitter/Junction	Вох		
		Rate								
60" HOBAS PIPE @ ML Splitter/Junction Box					Day 1	Day 2	Day 3	Day 4		Total
Install of Wall Sleeve and Link Seal	\$	24.00	MH	2	-2				\$	(96.00)
									\$	-
									\$	-
Subtotal									\$	(96.00)
Payroll Taxes and Insurance (55%)									\$	(52.80)
Total Labor									\$	(148.80)
Non-Taxed Material		Rate		T	60" HOBAS PIPE @ ML Splitter/Junction Box			Roy		
60" HOBAS PIPE @ ML Splitter/Junction Box		Nate			00 1101	DAS FIFE @ IVIE .		БОХ	\$	-
TODAS FIFE @ WE Splitter/Junction Box				+					\$	
									\$	-
									\$	-
									\$	-
Subtotal									\$	-
	+	*		*					*	
Taxed Material					60" HO	BAS PIPE @ ML S	Splitter/Junction	Вох		
									\$	-
									\$	-
Subtotal Taxed Material + 8.25%									\$	-
General Condition Material				1						
Small Tools 5% labor									\$	(4.80)
Total Material									\$	(4.80)
	<u> </u>	<u> </u>			l			I	T	()
Equipment		Rate			60" HOE	BAS PIPE @ ML S	Splitter/Junction	Вох	Total	
60" HOBAS PIPE @ ML Splitter/Junction Box										
									\$	-
									\$	-
Subtotal									\$	-
Fuel, Oil, Grease & Maintenance (40% fo Equipment)									\$	-
Tax @ 8.25%									\$	-
Total Equipment									\$	-
F		Dete			60" HOE	RAS PIPE @ MI	Splitter/Junction	Box	Total	
Subcontractor					00 1101	ASTITE WITH	phitter/surrection	DOX	-	/6 402 04\
Subcontractor Ferguson (Link Seals for 60")	\$	Rate (49.12)	FΔ	132					15	16 4X 3 X41
Ferguson (Link Seals for 60")	\$	(49.12)	EA FA	132	1				\$	(6,483.84)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68")	\$	(49.12) (950.00)	EA	2	1 1				\$	(1,900.00)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring	\$ \$	(49.12) (950.00) 650.00	EA EA	2 2	1 1 1				\$ \$	(1,900.00) 1,300.00
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68")	\$	(49.12) (950.00)	EA	2	1 1				\$ \$ \$	(1,900.00)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring	\$ \$	(49.12) (950.00) 650.00	EA EA	2 2	1 1 1				\$ \$	(1,900.00) 1,300.00 199.61
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS	\$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1				\$ \$ \$ \$	(1,900.00) 1,300.00 199.61
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor	Material	Equipment		\$ \$ \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals	\$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1				\$ \$ \$ \$ \$ Total	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals Insurance (1.8%)	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor				\$ \$ \$ \$ \$ Total \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83) (126.68)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals Insurance (1.8%) Overhead and Profit (5% for subs)	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83) (126.68) (344.21)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals Insurance (1.8%) Overhead and Profit (5% for subs) Overhead and Profit (15% Self Performed Work)	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83) (126.68) (344.21) (42.04)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals Insurance (1.8%) Overhead and Profit (5% for subs) Overhead and Profit (15% Self Performed Work) Subtotal	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83) (126.68) (344.21) (42.04) (7,550.76)
Ferguson (Link Seals for 60") Ferguson (Wall Sleeve 68") HOBAS Wall Ring Hydrophillic WS Total Subcontractor Totals Insurance (1.8%) Overhead and Profit (5% for subs) Overhead and Profit (15% Self Performed Work)	\$ \$ \$ \$	(49.12) (950.00) 650.00 199.61	EA EA	2 2	1 1 1 1 1 1 1 Subcontractor				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(1,900.00) 1,300.00 199.61 - (6,884.23) (7,037.83) (126.68) (344.21) (42.04)

200 Park Central Blvd

Georgetown, TX 78626 Phone: 512-930-2262 Fax: 512-930-2388 Job Name: Pflugerville Central WWTP Customer: BAR Constructors Customer PO: 0

Ferguson Project Manager: DANIELSHIMEK
Ferguson Project Manager Email: DANIELSHIMEK@FERGUSON.COM
Ferguson Project Manager Phone: 210-662-4902

\$1,844,705.87 \$138,494.16 -\$135,923.97 \$1,847,276.07 \$836,762.57 \$1,010,513.50 Original PO \$'s: \$'s Added: \$'s Deducted: Total \$'s: \$'s Invoiced/Ordered: Total \$'s Remaining:

Color Co	des represent:	Released, shipping to job	Delivered	, invoiced	On P	O, hold for re	elease	Material	deducted fr	om scope														
Seq #	Product Code	Description	Grouping	Order	Ship	Release	Scope	Relsd	Add	Deduct	Remain	Net Price	UM	Total	FEI	FEI PO #	Vendor	System	Comments	Free	Free	Free	Free	Free
				Date	Date	#	Qty	Qty	Qty	Qty	Qty			Remaining	Invoice #					Form 1	Form 2	Form 3	Form 4	Form 5
339	NEEDCODE	68" x 1'6" PExCxPE HD-GALV PIPE SLV	WS				2				2	\$ 950.00	EA	\$ 1,900.00				MIXED LIQUOR						
		60" CIOD FRP WALL SEAL (33- LS615S LINKS PER																						
342	NEEDCODE	SEAL)	LINK				132				132	\$ 49.12	EA	\$ 6,483.84				MIXED LIQUOR						

Ferguson Confidential Page 1 of 1

Trevor Wolfe

From: Trevor Wolfe

Sent: Wednesday, May 20, 2020 2:04 PM

To: Dennis Berger

Subject: FW: 60" FRP Pipe - Mixed Liquor Splitter/Junction Box (M-AS-8 &9)

From: Rivera, Victor (RIV) [mailto:vrivera@hobaspipe.com]

Sent: Tuesday, May 12, 2020 3:42 PM

To: Trevor Wolfe <trevorw@barconstructors.com>

Cc: Alejandro Guevara <alejandrog@barconstructors.com>

Subject: RE: 60" FRP Pipe - Mixed Liquor Splitter/Junction Box (M-AS-8 &9)

Trevor,

Per our conversation, the price to add an FRP Ring to the pipe is \$650 a ring.

Victor

From: Rivera, Victor (RIV) [mailto:vrivera@hobaspipe.com]

Sent: Tuesday, May 12, 2020 2:38 PM

To: Trevor Wolfe < trevor Wolfe trevor Wolfe trevorw@barconstructors.com>

Cc: Alejandro Guevara

Subject: RE: 60" FRP Pipe - Mixed Liquor Splitter/Junction Box (M-AS-8 &9)

Good afternoon Trevor,

So you would want to have the vertical sticks similar to the PE x PE wall piece we provided previously?

If, so let me know what lengths you would want the vertical sticks.

Let me know if you have any questions.

Regards,

Victor M. Rivera Area Manager Hobas Pipe USA 713-907-4406

From: Trevor Wolfe <trevorw@barconstructors.com>

Sent: Thursday, May 7, 2020 11:04 AM

To: Rivera, Victor (RIV) < vrivera@hobaspipe.com>

Cc: Alejandro Guevara <alejandrog@barconstructors.com>

Subject: RE: 60" FRP Pipe - Mixed Liquor Splitter/Junction Box (M-AS-8 &9)

Victor,

Trevor Wolfe

Cc:	Denise Jones <djones@rsstexas.com> Thursday, March 12, 2020 2:11 PM Trevor Wolfe Dennis Berger; Alejandro Guevara</djones@rsstexas.com>
Subject: Attachments:	Re: Hydrophilic Waterstops Hydrotite Brochure Mar08-Greenstreak.pdf; Hydrotite Brochure Mar08-Greenstreak.pdf
Trevor, As we are only a Sika distributo choice to use with adhesive back	or, I have listed the options for the two most popular profiles here. You have the king, or no adhesive backing. Typically, I recommend using the one with se as much of the leak master. Leak master is typically used at seams of
	m) with adhesive - 191.90/ea (4 - 32.8ft rolls per carton) adhesive - 201.87/ea (4 32.8 ft rolls per carton)
	m) with adhesive - 179.73/ea (5 32.8ft rolls per carton) o adhesive - 199.61/ea (5 32.8 ft rolls per carton)
Leakmaster LV-1 to bead at sea	ms and use as extra adhesive - \$31.44/ea (24 tubes/carton)
I attached the brochure, so if the	ere's a different profile you're looking for, please let me know.
Thanks,	
Denise	
On Thu, Mar 12, 2020 at 12:59	PM Trevor Wolfe < trevorw@barconstructors.com > wrote:
The profile is rectangular, but oprice.	could you send all of the below manufactures as we are looking for the best
Thanks,	
Trevor Wolfe	
Construction Project Engineer	
	1

Project: Central Wastewater Treatment Plant	Project Number:								
Owner: City of Pflugerville	88								
Contractor: BAR Constructors, Inc	279								
Engineer: Freese and Nichols, Inc PFL16607									
Change Proposal No.: CP0007 Description: Temporary Lift Station for Project Charm / SH130									
Specification: N/A									
Drawing No.: N/A Detail Description: N/A									
Reference Document:									
☐ Request for a Change Proposal No.: ☐ Request for Information No.:									
☐ Shop Drawing Deviation Request No.: ☐ Field Order No.:									
Contractor proposes the following modifications to the Contract Documents:									
 Install a temporary lift station at Manhole No 12 and bypass pump the incoming wastewater flow into existing Manhole No 15 and on into the existing headworks. This will be achieved by raising the existing Manhole No 12 by 4.5ft, installing a sump pump, complete with electrics and controls, into Manhole No 12 and installing overland piping to Manhole No 15. Additional Security fencing will be installed also. Purpose of Change Proposal: The City requested modifications to provide a temporary lift station in the vicinity of the Influent Lift Station and Headworks to accommodate the anticipated wastewater flows from the Project Charm/SH130 Interceptor by November 2020. 									
Attachments: CP0007									
Requested Action:									
☐ Issue a Field Order ☐ Issue a Work Change Directive or Change Order for	the described changes								
Basis of Compensation:									
\square Unit Prices \boxtimes Lump Sum calculated using Cost of Work provisions in Gene	ral Conditions Paragraph 13.01								
$\ \square$ Time and Materials using Cost of Work provisions in General Conditions Paragra	ph 13.01								
Required Documentation:									
oxtimes Detailed cost breakdown attached showing labor, materials, equipment, and all	other costs for this change								
$\ \square$ Schedule attached to show impacts and justification for requested change in Co	ntract Times								
Total Change Proposal Amount: \$97.014.89 Adjustment in	Contract Times (davs): 6								

Change Proposal Page 1 of 2

Project: Central Wastewater Treatment Plant	Project Number:									
Owner: City of Pflugerville	88									
Contractor: BAR Constructors, Inc	279									
Engineer: Freese and Nichols, Inc	PFL16607									
The compensation offered for this Change Proposal is the full, complete, and final compensation for all costs the Contractor may incur as a result of or relating to this change whether said costs are known, unknown, foreseen, or unforeseen at this time, including without limitation, any cost for delay, extended overhead, ripple or impact cost, or any other effect on changed or unchanged Work as a result of this Contract Modification. Requested changes in Contract Times are the complete and final adjustments for direct impacts to the ability of the Contractor to complete the Work within the Contract Times and are the only adjustments to which the Contractor is entitled. Except as modified hereby, the Contract Documents and all of the terms and provisions thereof remain in full force and effect.										
Certified by: Dennis Berger	Date: 6/9/2020									
Action:										
☐ Field Order No.: Issued ☐ Change Order No.: 0001 Issued										
☐ Contract Amendment No.: Issued ☐ Work Change Directive No.:	Issued									
\square Change Proposal Not Accepted \square Additional information required. See co	omments. \square Cancelled									
Comments: To be included in CO0001 along with CP0001, CP0002, CP0003, CP0005 and CP0006										
Response by:	Date: 6/10/2020									

Change Proposal Page 2 of 2



P.O. Box 10 · Lancaster, TX 75146

June 9, 2020

Mr. Matt Gaughan Plus Six Engineering 15500 Sun Light Near Way B Pflugerville, TX 78660

Re: City of Pflugerville, Texas

Central WWTP Expansion Phase I Improvements

Project No. PFL16607

CP007r1 Temporary Lift Station at Manhole 12

Dear Mr. Gaughan,

Please find the attached pricing and quotations for the temporary lift station at manhole 12. BAR Constructors, Inc. requests an ADD to the contract amount of \$97,014.89 and a time extension of 6 calendar days. Below are those inclusions and exclusions associated with this work.

<u>Inclusions:</u>

- As stated in the Option 1 Site Plan Sketch.
- All "Assumptions" as stated in Option 1 Site Plan Sketch.

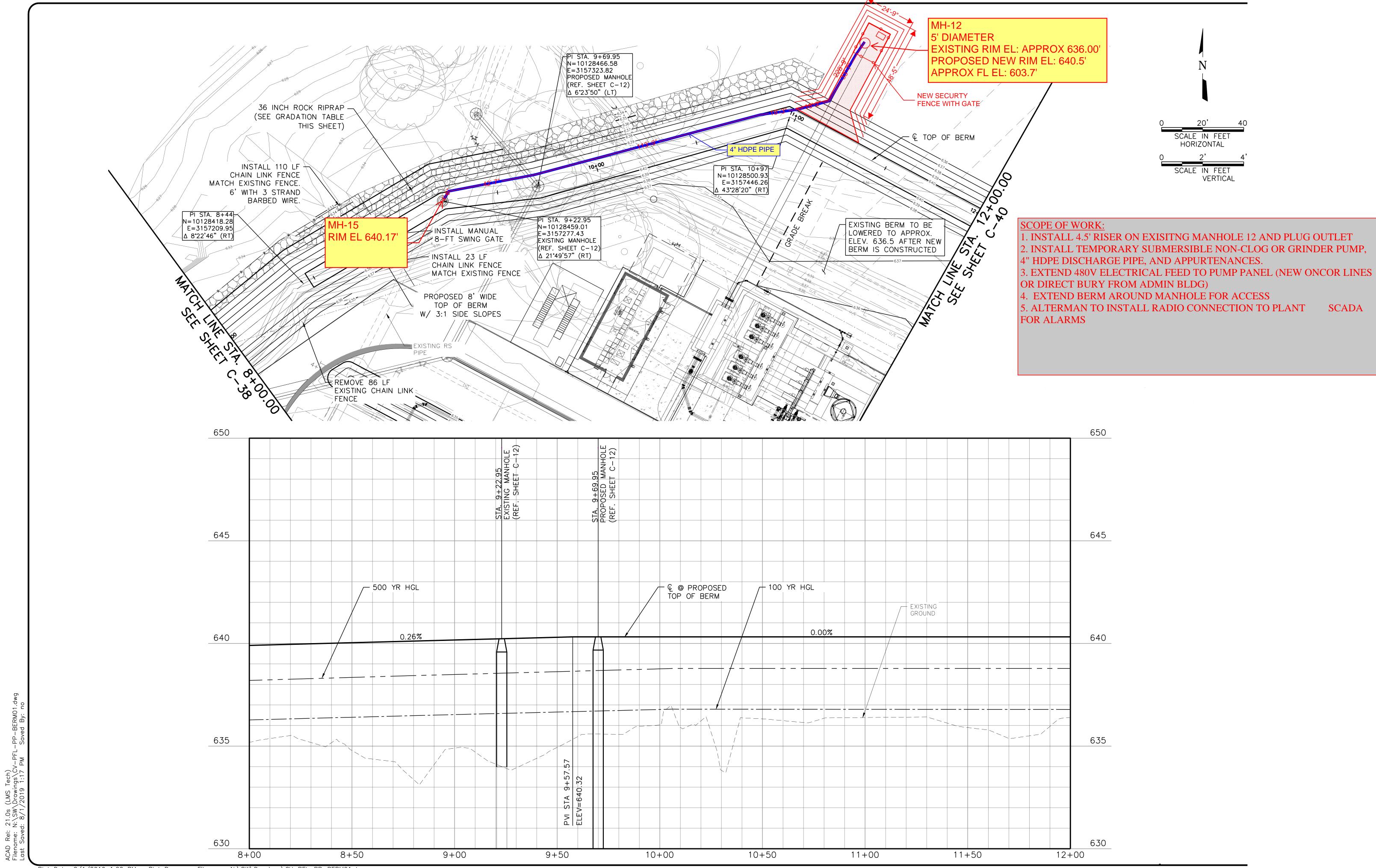
Exclusions:

- Any exclusions stated in the attached quotation(s).
- Anything not explicitly stated as an inclusion.

Sincerely,

Dennis J. Berger Project Manager BAR Constructors, Inc. BAR Constructors, Inc. - Cost Detail Worksheet Job Name: Central WWTP Expanison Phase 1 Job # 279 Date: 06/09/2020 Proposal No. CP007

Labor		Unit	Quantity	Ter	np Influent Lift	Station @ MH 12			
	Rate								
Temp Influent Lift Station @ MH 12	nate			Day 1	Day 2	Day 3	Day 4	Total	ıl
BERM						,-	, .		-
Labor	\$ 24.00		2	10					480.00
Foreman	\$ 40.00		1	8					320.00
Excavator Operator	\$ 32.00 \$ 32.00		1	10 4					320.00 128.00
Trucker Compactor operator	\$ 32.00		1	4					128.00
Loader Operator	\$ 32.00	MP	1	4					128.00
Yuke Operator	\$ 32.00	MP	1	4					128.00
FENCE								\$	-
Labor	\$ 24.00	MP	2	5					240.00
PIPING & PUMPS Pipe Crew	\$ 30.00	MD	3	8	0			\$ 1,4	- 440.00
Pipe Foreman	\$ 30.00	MP MP	1	8	8				,440.00 640.00
INSTALL & REMOVAL OF PLUG	7 40.00	IVII	-	·	·			\$	-
Pipe Crew	\$ 30.00	MP	4	4	8				,440.00
Pipe Foreman	\$ 40.00	MP	1	4	8				480.00
CONTROL PANEL PAD				_				\$	
Labor	\$ 24.00 \$ 40.00	MP MP	2	5 3					240.00 120.00
Foreman	\$ 40.00	IVIP	1	3				\$	-
		†						\$	-
								\$	-
Subtotal									,232.00
Payroll Taxes and Insurance (55%)									,427.60
Total Labor								\$ 9,6	,659.60
Non-Taxed Material	Rate	T		To	np Influent Lift	Station @ MH 12			
Temp Influent Lift Station @ MH 12	nate	 		161		١٠١١ تي ١٠٠١٠ تي			
Pump Solutions (Pump & Control Panel)	\$ 22,107.00	LS	1	1				\$ 22,1	,107.00
Ferguson (MH Riser)	\$ 537.28	LS	1	1				\$ 5	537.28
Ferguson (Misc Pipe and Fittings)	\$ 2,521.51	LS	1	1					,521.51
Inflatable Plug	\$ 4,741.00		1	1					,741.00
Seed	\$ 4.70		43.56	1					204.73
Fertilizer Modified MH Lids (Ferguson)	\$ 15.03 \$ 168.75	50LBS LS	4 1	1					60.12 168.75
Safety Box	\$ 1,000.00	LS	1	1					,000.00
Fusing Machine	\$ 300.00	Day	1	2					600.00
Control Panel Pad	\$ 500.00		1	1					500.00
								\$	
								\$	-
								\$	-
Subtotal		<u> </u>		l		l .		\$ 32,4	,440.39
Taxed Material				Ter	np Influent Lift :	Station @ MH 12			
								\$	-
								\$	
Subtotal Taxed Material + 8.25%								\$	-
a 10 mi 20 11	Г			1		1			
General Condition Material Small Tools 5% labor		 						\$ 3	311.60
Total Material									,751.99
								5 32.7	
Equipment								\$ 32,7	
	Rate			Ter	np Influent Lift	Station @ MH 12		Total	
Temp Influent Lift Station @ MH 12						Station @ MH 12		Total	
Excavator	\$ 955.55	Day	1	1	np Influent Lift :	Station @ MH 12		Total \$ 1,4	,433.33
Excavator Yuke	\$ 955.55 \$ 955.55	Day	0.5	1 1		Station @ MH 12		**************************************	477.78
Excavator Yuke Compactor	\$ 955.55	Day Day		1		Station @ MH 12		Total \$ 1,4	
Excavator Yuke	\$ 955.55 \$ 955.55 \$ 183.34	Day	0.5 0.5	1 1 1		Station @ MH 12		Total \$ 1,4	477.78 91.67
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		Total \$ 1,4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	477.78 91.67 187.92
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		\$ 1,4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	477.78 91.67 187.92 - -
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		\$ 1,4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	477.78 91.67 187.92 - - -
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		\$ 1,4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92 - - - -
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		Total \$ 1,4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	477.78 91.67 187.92 - - -
Excavator Yuke Compactor Loader	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		\$ 1,4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		Total \$ 1,4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92 - - - -
Excavator Yuke Compactor Loader Subtotal	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		Total	91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment)	\$ 955.55 \$ 955.55 \$ 183.34	Day Day	0.5 0.5	1 1 1		Station @ MH 12		Total	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84	Day Day	0.5 0.5	1 1 1 1 1 1 1	0.5			Total \$ 1,/\$ \$ 2 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84	Day Day Day	0.5 0.5 0.5	1 1 1 1 1 1 1 1 Term Term Term Term Term Term Term Term	0.5	Station @ MH 12		Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84	Day Day Day LS	0.5 0.5 0.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5			Total \$ 1,/ \$ 2 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00	Day Day Day LS LS	0.5 0.5 0.5 1	1 1 1 1 Term 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5			Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84	Day Day Day LS LS LS	0.5 0.5 0.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5			Total \$ 1,4 \$ 2,5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TIMC Alterman Travis Industries (Protective Coatings) Viking Fencing	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00	Day Day Day LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 Term 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5			Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings)	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00	Day Day Day LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 Term 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5			Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings) Viking Fencing	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 5 4 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 7 \$ 5 7 \$ 5 7 \$ 5 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings) Viking Fencing Total Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92 - - - - - - - - - - - - - - - - - - -
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings) Viking Fencing Total Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 2,5 \$ 3 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings) Viking Fencing Total Subcontractor Total Subcontractor Total Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 2,5 \$ 3,2 Total Total \$ 3,9 \$ 3,9 Total \$ 3,9,7 Total	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis Industries (Protective Coatings) Viking Fencing Total Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 5 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TMC Alterman Travis industries (Protective Coatings) Viking Fencing Total Subcontractor Total Subcontractor Total Subcontractor Total Subcontractor Total Subcontractor Overhead and Profit (5% for subs) Overhead and Profit (15% Self Performed Work) Subtotal	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,/ \$ 2 5,/ \$ 5 5 \$ 5 5 \$ 5 7,/ \$ 5 9,5 \$ 7,/ \$ 5 9,5 \$ 1,9 \$ 7,7,5 \$ 9,5 \$ 7,7,5	477.78 91.67 187.92
Excavator Yuke Compactor Loader Subtotal Fuel, Oil, Grease & Maintenance (40% fo Equipment) Tax @ 8.25% Total Equipment Subcontractor TIMC Alterman Travis Industries (Protective Coatings) Viking Fencing Total Subcontractor Total Subcontractor	\$ 955.55 \$ 955.55 \$ 183.34 \$ 375.84 \$ 375.84 \$ 25,434.00 \$ 9,190.00 \$ 2,000.00 \$ 3,164.00	Day Day Day LS LS LS LS	0.5 0.5 0.5 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.5	Station @ MH 12		Total \$ 1,4 \$ 5 4 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 5 \$ 5 7.0tal Total Total \$ 25,4 \$ 5 9,1 \$ 5 3,2 \$ 5 5 9,1 \$ 5 7,0 \$ 5 9,6,6 \$ 5 9,6,5 \$	477.78 91.67 187.92



SCADA

Reply Reply All Reply All Reply All



Fri 6/5/2020 3:27 PM

Carlton Catalani <carltonc@travisind.com>

RE: Coatings Quote

To Trevor Wolfe

Cc Edward Jimenez

Action Items + Get more apps

Trevor -

In the interest of time, put us in for an additional \$2,000.00 for this unit (1 each MH-15) based on the same lining system we're installing in the other MH structures. Please advise if you need a formal CO request document.

Thanks for your patience.

Carlton Catalani Travis Industries, LLC (210) 648-1990 Office (210) 648-1972 Fax (210) 501-5400 Mobile

www.travis-industries.com



Erom: Edward limonaz Zajimanaz @travicind.com>



FERGUSON ENTERPRISES, LLC FERGUSON WATERWORKS #1254 200 PARK CENTRAL BLVD GEORGETOWN, TX 78626

Phone: 512-930-2262 Fax: 512-930-2388 Deliver To:

From: Daniel Shimek

Comments:

09:02:33 JUN 05 2020 Page 1 of 2

FERGUSON WATERWORKS #1106
Price Quotation

Phone: 512-930-2262 Fax: 512-930-2388

B447061 **Cust Phone**: 972-227-3287

06/04/20 **Terms:** NET 10TH PROX

Quoted By: XXA

Bid No:

Bid Date:

Customer: BAR CONSTRUCTORS INC Ship To: BAR CONSTRUCTORS INC

279-23 PFLUGERVILLE-CENTR 279-23 PFLUGERVILLE-CENTR

805 KATY ST 805 KATY ST

LANCASTER, TX 75146 LANCASTER, TX 75146

Cust PO#: TEMP LIFT STATION Job Name: 279-23 PFLUGERVILLE-CENTR

em	Description	Quantity	Net Price	UM	Total
	TEMP LIFT STATION	· · · · · · · · · · · · · · · · · · ·			
	M/HOLE				
/HRP48	4 X 48 M/HOLE RSR SECT	1	449.280	EA	449.28
GR30MS	3X30 CNCRT GRD RNG	2	44.000	EΑ	88.00
H1151N	32 M/HOLE SAN CVR	1	168.750	EΑ	168.75
110114		'	100.700		100.70
	SUBTOTAL				706.03
	 PIPING MATERIAL				
CFM	3 GALV CI 125# THRD COMP FLG	1	27.390	EA	27.39
1	3 GALV MI 150# 90 ELL	1	61.920	EA	61.92
FAM	3 PVC S80 SXF ADPT	4	19.870	EA	79.48
M	3 X 20 FT PVC S80 BE PIPE	40	343.450	С	137.38
CM	3 PVC S80 SXS COUP	4	12.410	EA	49.64
CPM	4X3 PVC S80 SXS COUP	1	31.580	EA	31.58
1M	LF 3 BRS 125# THRD SWG CHK VLV	1	137.140	EA	137.14
JM	3 PVC S80 SXS UNION EPDM	1	29.460	EA	29.46
9M	3 PVC S80 SXS 90 ELL	2	9.210	EA	18.42
Р	4 X 20 FT PVC S80 PE PIPE	20	467.860	С	93.57
SFP	4 PVC S80 VAN STONE SOC FLG	2	19.740	EA	39.48
FLAP	4 IPS PC125 DR17 FLG ADPT	2	22.340	EA	44.68
NBGS61RF8P	4 316 SS 150# RR FF 1/8 FLG PKG	2	17.320	EA	34.64
HDPEBVP	4 HDPE SDR 11 BV	1	273.810	EA	273.81
APR	4 IPS SDR17 HDPE PIPE RMNT BLAC	280	3.860	FT	1080.80
B4P	4 IPS PC125 DR17 45	4	24.230	EA	96.92
B9P	4 IPS PC125 DR17 90	2	21.460	EA	42.92
00045002003	4X7 STL BLT COUP 4.50	2	121.140	EA	242.28

 Net Total:
 \$3227.54

 Tax:
 \$0.00

 Freight:
 \$0.00

 Total:
 \$3227.54



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:

https://survey.medallia.com/?bidsorder&fc=1006&on=47384



FERGUSON WATERWORKS #1106 Price Quotation

Fax: 512-930-2388

09:02:33 JUN 05 2020 **Reference No:** B447061

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at https://www.ferguson.com/content/website-info/terms-of-sale Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

VIKING Fence Co.

Viking Fence Co., Ltd.

9602 Gray Blvd. Austin, Texas 78758 (512) 837-6411, 1-800-252-8117

HUB CERTIFICATION #1742043230800

Project: Pflugerville Central WWTP

Re: Fencing and Gates

Date: 6/9/2020

Change Order

1) Furnish and install 56' of 8' galvanized chain link fence which includes one 5' opening personnel gate. Fence will be built using 2 7/8" sch. 40 terminal and gate posts, 2 3/8" sch. 40 line posts, 1 5/8" sch. 40 top and brace rail and 9 Ga. Galvanized chain link fabric with a 2 Oz. coating.

Total \$3,164.00

- Clearing (If needed) is not included.
- Core drilling (If needed) is not included.
- Grounding (If needed) is not included.
- Mow strip (If needed) is not included.

Customer Authorization:	
Customer Name (please print):	
Date:	
We appreciate your business. Thank you.	

Blair Wilson

Viking Fence Co, Ltd Commercial Estimator Phone: 512-837-6411 Ext. 406

Email: blair@vikingfence.com

<u>Proposal based on current prices and are subject to potential price adjustment pending market impact of the Steel Tariffs.</u>

Permanent Fence Installation - Terms & Conditions

Proposal Terms and Conditions

This bid is based upon the plans, specifications and drawings given to Viking Fence at the time of this bid, and assumes utilization of industry-standard material and labor types and quantities. Viking does not provide engineering or architectural services. If any documents provided to Viking for reliance in making this bid later prove to be incomplete or inaccurate, to an extent requiring Viking to utilize parts or labor in excess of those used in preparing this bid, Viking reserves the right to amend this bid as may be necessary to comply with changes in the foregoing documents, and to amend any contract made in reliance upon the price quotes contained in this bid. To the extent that any documents submitted to Viking by you for review in making this bid incorporate by reference any other document not given to Viking, or refer Viking to the contents of any other document not given by you to Viking, Viking will not be bound by the contents of any such document unless: (1) it is a public statute, rule, ordinance, or published industry code (for example, the Int'l Building Code); or (2) such document may be readily downloaded on the internet from a website or other URL to which Viking is given access prior to making this bid. No merger or integration clause in any subsequent contract executed by Viking is intended to supersede this paragraph, because Viking cannot knowingly bind itself to any contract terms contained in documents to which Viking is not given access before signing a final contract.

Payment Terms:

Payment due upon completion unless approved for credit. Net 30 terms, w/ regular progress billing as project is completed. Credit approval may be required. Retainage, if applicable, TBD. **Any accounts past due will be charged 1.5% monthly interest (as allowed per State Law).**

Insurance/Price:

All work done in professional manner by experienced, insured personnel. **Quote is valid for 15 days** and is preliminary based on estimated footage and initial scope of work. Final contract price will be determined with field measurement of actual completed iron work.

Warranty:

Viking Fence Co, Ltd hereby guarantees the workmanship and material for the contracted job, per the original contract as follows (a copy of our warranty can be downloaded at http://www.vikingfence.com/warranty-certificate.html:

- (1) All Material is guaranteed to be as specified in original contract. Viking warranties that all work will be free of workmanship defects for one year from the date of installation and all defects occurring within that period shall be replaced at no cost to the owner. Any exceptions to this must be specified in original purchase contract.
- (2) Western Red cedar products provided will be consistent with our grading standards...see copy of Western Red Cedar Grading Standards. Defective material is defined as material that does not meet the grading standards or is structurally compromised if applicable. Western Red Cedar is a natural product, in which cracks, wane or checking may appear over time.
- (3) Pre-manufactured ornamental iron products are supplied with original manufacturer's warranties (ranging in term from 5 to 20 years, based on product).
- (4) Abuse or neglect of installed materials shall void this warranty.
- (5) All implied warranties, including merchantability, are limited to one year.
- (6) Viking does not warranty any Western Red Cedar wood fence material against termite infestation. We encourage our customers to read our Western Red Cedar page on our website for more detailed information regarding termites and to consult with your pest control professional.
- (7) Viking is not responsible for damage caused by shifting soil/terrain.
- (8) Gate Operators and other access control systems and accessories are supplied with original manufacturer's warranties. During the first year, defects in these components will be repaired without charge to the customer. After the first year, the customer will be charged for repair labor costs, but not for parts costs, as long as the original manufacturer's warranty is still valid.
- (9) Non-payment, in part or in whole, by the customer for services rendered or materials provided, per the original contract or invoice, shall void this warranty.

The warranties given above shall be the exclusive remedy for any breach by Viking Fence, and all liability for consequential, special or incidental damages is disclaimed.

Other:

Mechanics Lien: All materials remain the property of Viking Fence Inc. until the contract is paid in full. Customer is responsible for obtaining all necessary permits, except where noted. Viking Fence is relieved of all liability related to location and property lines. Viking Fence is not responsible for damage to any underground lines or pipes. A copy of all other Viking Standard Subcontract Terms included with this proposal are posted at http://www.vikingfence.com/standard-commercial-subcontract-terms.



06.04.2020

BAR Contractors

RE: Pflugerville WWTP Temporary Lift station SCADA Monitoring

Dear Mr. Berger,

We are pleased to present this proposal to provide SCADA monitoring of the temporary lift station. This proposal will cover the monitoring of the following points as per my discussion with James Mansfield of Pump Solutions on 6/2/2020.

Points to be monitored:

1.	Pump 1 Run Status	DI	- History
2	High Level	וח	- History One

High Level
 Panel Common Alarm
 Pump 1 Remote Start
 History, Operator Call
 History, Operator Call
 Operator Remote Control

We propose using the Samsara Industrial Gateway to enable the cellular based cloud monitoring and control of this station. Alterman proposes to manufacture the enclosure that will contain this device and the associated hardware.

The device is proposed and priced with 5 years of service. The City will have the ability to move this device to other locations of their choosing to gain quick and easy access to bring other areas of their City online on a temporary or permanent basis.

Alterman Scope of Work

- 1. Build the enclosure to contain the Industrial Gateway and all necessary apprentices to support the I/O of the device and deliver to the jobsite.
- 2. Terminate I/O between the Industrial Gateway and appropriate points in the lift station control panel.
- 3. Program, and commission the Industrial Gateway.
- 4. Design the appropriate dashboards, historical trends and alarming as required by the City.

Tasks by others for a successful project

- 1. Mount the Alterman provided enclosure in an appropriate manner with the lift station control panel.
- 2. Provide 120VAC power to the Alterman provided enclosure.

Project Timeline

Allow 2 weeks after Alterman receipt of fully executed change order for submittals.

Allow 2-4 weeks after Alterman receipt of approved submittals procurement of necessary material.

Allow 1 week after receipt of material to construct and deliver completed panel.

Allow 2 days after power provided to the panel to terminate IO, setup the device and perform startup.



Standard Qualifications, Clarifications and Exclusions

Qualifications and Clarifications

Exclusions

Furnishing and installation any new conduit or wire to field devices

Furnishing and installation of any new enclosures

Furnishing and installation of any instrumentation

Alterman is not responsible for existing field conditions

Furnishing Sims cards for Cell Modems

Temporary power and temporary lighting.

Utility company service charges and administration fees.

Existing utility service size and condition.

Supply and installation of hydraulic equipment (i.e. motors, pumps, valves, blowers, appliances, etc.).

HVAC equipment, controls, and installation.

Saw cutting and replacing concrete and asphalt.

Formed concrete (i.e. equipment pads, pole bases, housekeeping pads, duct bank extensions, etc.).

Engineering of structural components (i.e. equipment pads, pole bases, foundations, supports, etc.).

Welding, torching, tapping, and cutting structures (i.e. tanks, pipe, footplates, beams, etc.).

Fabrication and installation of structural items (i.e. canopies, racks, tank ladders, etc.).

Functionality and warranty of existing electrical and control systems.

Safety and functionality of existing electrical systems by others, during or prior to work described herein (i.e.

owner's maintenance departments, maintenance contracts, etc.).

Solid rock excavation.

Spoil relocation from work area/site and all associated fees.

Dumpsters and portable toilets.

Payment and performance bonds.

Sandblasting or Painting.

Potholing, investigative excavation, location services, and all associated fees.

Dewatering.

Tunneling and boring for the installation of underground raceways.

Supply and installation of heat trace insulation.

Termination of any Vendor Supplies Control Panels

Furnishing and Installation of any Vendor supplied Instrumentation

Calibration of any Vendor Supplied Instrumentation



Overtime, expediting, and acceleration fees.

Price is contingent upon execution of a mutually acceptable contract and project schedule.

Price is based on AutoCAD and/or Revit Files being provided so that we may create 2D & 3D field points.

Price is valid for 30 days from date listed above.

Proposal Price: \$9,190.00

Please see the attached Samsara IG21 Datasheet for further information regarding the proposed solution.

If you have any questions or need further clarifications please let me know.

Sincerely,

ALTERMAN, INC.

Matthew Temple Senior Automation Specialist



IG21 Industrial Controller

Datasheet



OVERVIEW

Managed by Samsara's secure web-based dashboard, the IG21 provides the same universal connectivity, easy setup, and global analytics and control that are standard across the IG-family. Integrated LTE connectivity, built-in I/O, and Class 1, Division 2 certification make the IG21 a great fit for remote and distributed operations.

HIGHLIGHTS

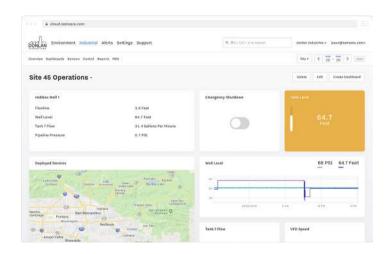
Built-in cellular Gain visibility and control into hard to wire locations with built in 4G LTE Open platform Easy to integrate with existing PLCs and SCADA systems via any common industrial protocol: Modbus RTU/TCP, EtherNet/IP, OPC-UA, MQTT Built-in I/O Analog, digital, and counter I/Os for direct monitoring and control Rugged hardware Class 1, Division 2 certified, Groups A, B, C, D

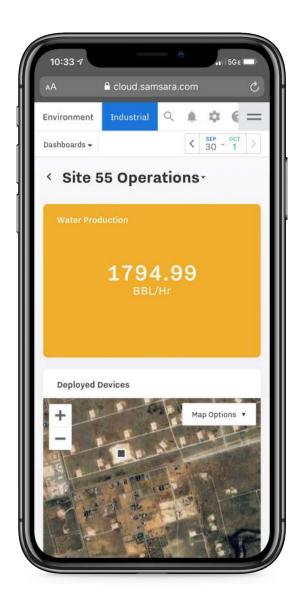
1

Features and capabilities

FASTER AND EASIER TO DEPLOY

An integrated platform means that whether you are monitoring critical equipment on the shop floor or hundreds of remote sites, it's easy to gain immediate visibility on your browser or mobile device. Simply connect your IOs—no servers to set up, no software to manage, no complexity.





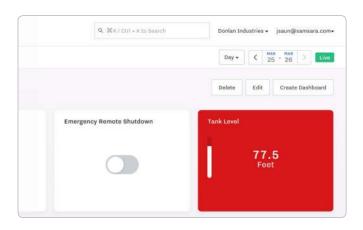
OPERATIONAL DATA AT YOUR FINGERTIPS

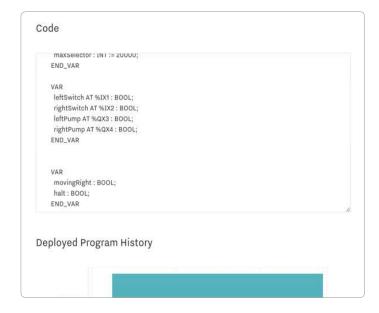
Samsara makes getting your data easy and lets you manipulate it to get the most out of it. With cloud dashboards that automatically resize to fit any device, you can view critical data anywhere, anytime. It's also easy to export data to the analytics tool of your choice or to directly integrate with your existing historian through modern API functionality.

Features and capabilities

REAL TIME VISIBILITY AND ALERTS

Samsara's cloud dashboard acts as historian and HMI to provide immediate visibility into real-time and historical data, and allows for simple, easy to manage alerts. Cloud infrastructure allows infinite scalability without any infrastructure investment, and on-device storage means data is captured even if the network connection is down.





EASILY VIEW & DEPLOY PROGRAM CODE

Modern IEC 61131 programming environment allows enginners to reuse code and audit program execution all without going onsite. Samsara's central visibility dramatically increases the speed at which industry standard IEC 61131 programs can be written and deployed across any number of locations.

DESIGNED FOR MODERN DATA SECURITY

Unlike legacy solutions that were designed in a different era and patched over time, Samsara is purpose-built to aggregate and process sensor data securely. Cyber threats continuously evolve, and your industrial IoT architecture should as well. Samsara's architecture ensures always up-to-date cloud software and seamless over-the-air firmware patches for on-premise devices. Find out more at samsara. com/security.

Inside the IG21

Local Storage

Low-latency control, and data storage

High-performance ARM CPU

Scales up to hundreds of IOs

Serial Port

Industry standard protocols

Ethernet Port

Local LAN Connectivity

USB

USB 2.0 compatible



Analog Input/Output

Built-in isolated channels for fast deployment

Digital & Counter IOs

6 digital and 2 counter IOs

WiFi 802.11 b/g/n

Out-of-the-box sensor connectivity

Embedded Cellular

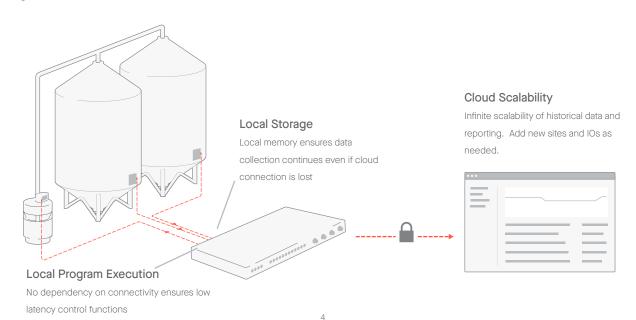
4G LTE Connectivity

Class 1, Division 2 Certified

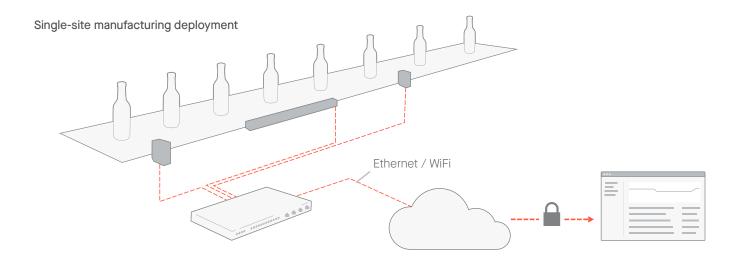
Ready for harsh environments

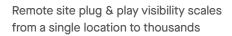
Low-latency control with the infinite scalability of cloud

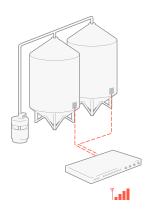
Samsara's architecture delivers enterprise-grade hardware for mission-critical applications with on-device data storage that ensures highly responsive local control and battery backup to ensure data continuity and integrity in the case of network or power outages. Samsara's included cloud dashboard provides unlimited scalability, and easy access to data across all sites as a standalone system, or integrated with existing SCADA software.

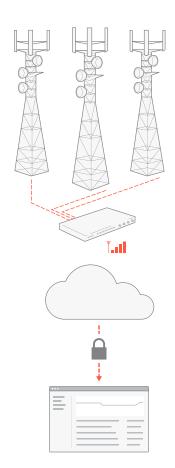


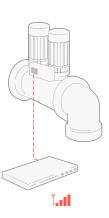
Visibility into manufacturing equipment or remote sites











POWER

Rated Voltage 10-28 VDC

Average Power Consumption 6.2W to 6.7W at 24 V

ENCLOSURE

Dimensions (W x H x D) $180 \times 118 \times 32 \text{ mm} (7.09 \times 4.65 \times 1.26 \text{ in})$

Weight 725 g (1.6 lbs)

Mounting Toolless DIN rail mounting

Operating Temperature -40 to 80 °C (-40 to 176 °F)

Hazardous Locations Certified for Class 1, Division 2, Groups A, B, C, D

PROCESSING, STORAGE, AND SECURITY

Edge Processing Powerful edge processor for low-latency local control

Real-time Connectivity Streams data to the Samsara cloud in real-time

Data Security Data secured via SSL (256-bit, military-grade encryption)

Storage Onboard storage for offline data logging when internet connectivity is

unavailable; uploads data to the cloud when connectivity is restored to ensure

no data interruptions

CONNECTIVITY

Serial Port 1 x RS-232: Up to 1Mbps, 2-wire, full or half-duplex (ESD Protected) 1 x RS-485: Up to 20Mbps, 2-wire, half-duplex

USB 2.0 compatible "A"-type receptacle

Protocols Modbus/RTU, Modbus/TCP, EtherNet/IP, OPC-UA, MQTT

LAN Ethernet 8-pin modular RJ45 jack, 10/100 Mbps (10/100 Base-T), transformer-isolated

Wi-Fi 802.11 b/g/n

Cellular 4G LTE cellular connectivity, with 3G fallback where LTE coverage is unavailable LTE: quad band

2/4/5/12. 3G: dual band 2/5. Operating area: United States, Canada

WIRELESS SENSORS

Connectivity Proprietary low-energy wireless sensor connectivity (2.4 GHz)

Compatibility Works with Samsara wireless sensors

Range 2.4GHz: 30m (line of sight)

LICENSE

Requires IG license. License includes cloud software, mobile apps, ongoing firmware updates, maintenance, and support

DIGITAL AND ANALOG I/O

Analog Inputs 4, Isolated channels with 0-12 V or 0-24 mA

Resolution: 14-bit ADC
Accuracy: 0.1% FSR at 25C
ESD/EFT/Surge protected
Accuracy: 0.1% FSR at 25C

Analog Outputs 2, Isolated channels with 0-12 V or 0-24 mA

Resolution: 16-bit

Accuracy up to +/-0.2% FSR at 25C

ESD/EFT/Surge protected

Settling Time: 5us

Load Range: 1000 ohm (12V) - 600 ohm (20mA)

Digital Inputs/Outputs 6, User-configurable as inputs or outputs (open-drain)

ESD/EFT/Surge protected

DIGITAL AND ANALOG I/O

Digital Inputs/Outputs As Input:

(Continued) - Dry-contact (internally sourced 3.3V @ 1mA)

As Output: Sinking MOSFET output, rated 30V, 0.5A

Counter Inputs 2, Counter Input (0-30V)

Up to 10Hz (dry-contact)
Up to 10kHz (wet-contact)

I/O Expansion Digital and Analog input/output expansion modules available

ACCESSORY ANTENNAS

LTE Directional Antenna

ACC-DIR-ANT RF Specifications

Frequency Range: 699~960 MHz, 1710~2170 MHz, 2300~2690 MHz

Polarization: Dual Slant +/- 45°

HPBW (+45°):

66° at 699~824 MHz 62° at 824~960 MHz 40° at 1710~2170 MHz 33° at 2300~2690 MHz

HPBW (-45°):

66° at 699~824 MHz 62° at 824~960 MHz 40° at 1710~2170 MHz 33° at 2300~2690 MHz

Gain:

8 dBi at 699~824 MHz 7 dBi at 824~960 MHz 10 dBi at 1710~2170 MHz 12 dBi at 2300~2690 MHz

VSWR: 4.0 max:1, 2.5 max:1, 2.5 max:1

Isolation: >15 dB

Power Handling: 2W (cw) Impedance: 50 ohm Connector: N Jack

Dimensions: 320 × 320 × 65 mm (12.6 × 12.6 × 2.56 in)

ACCESSORY ANTENNAS

LTE Array Antenna

ACC-ARR-ANT

RF Specifications

Frequency Range: 698~960 MHz, 1710~2170 MHz, 2500~2690 MHz

Polarization: Linear

HPBW (Horizontal): 360°

HPBW (Vertical): 90°

Gain: 2.6 dBi, 3.2 dBi, 3.3 dBi max (exclude cable loss)

VSWR: 4.0 max:1, 2.5 max:1, 2.5 max:1

Power Handling: 2W (cw)
Impedance: 50 ohm
Connector: SMA Plug

Enclosure

Dimensions: 240 x 65.6 x 38.7 mm (9.45 x 2.58 x 1.52 in)

Temperature: -40 to 70 °C (-40 to 158 °F)

Humidity: 95% at 55 °C (131 °F)

Waterproof Rating: IPX7

Project

Pflugerville Temporary

Customer pos.no

Project ID Pos.no Created by **PSI - James Mansfield**



Created 5/21/2020 Update 5/21/2020

Data sheet

Pump type KRT E 80-200/34XG-P (older product range)

Operating data

Flow 124 US g.p.m. Fluid Density of fluid lb/ft³ Head 42.7 62.3 ft Operating speed 1750 rpm Viscosity 1.08E-5 ft²/s Shaft power 2.64 Temperature 68 °F hp Efficiency 50.1 % Required pump NPSH ft Head H(Q=0) 52.4 ft Flow Application range Head From 46.9 ft 70.4 US g.p.m.

To 18.2 ft 453 US g.p.m.

Design

MakeKSBImpeller typeSingle vane impellerDesignSubmersible pumpClosed

 Series
 KRT E
 Impeller size
 (177) 7
 inch

 Frame size
 80-200
 Max. (192) 8
 inch

 Stages
 1
 Min. (141) 6
 inch

Curve number 25.01.2012 09:42.18, Free passage 3 inch inch Weight

Type of bearings Antifriction

Nos. of bearings 2

Lubrication Grease lubrication. lubricated for lifetime

Suction port Pressure rating --

Flange size DN0 --Flange size DN1 3"
Norm --

Discharge port Pressure rating CLASS 125

Flange size DN2 3 inch Flange size DN3 ---

Norm ASME/ANSI B16.1

Suction port: pump (DN1) Discharge port: pump (DN2)

Materials

Pump casing Grey cast iron EN-GJL-250 (A 48 Class 35B)

Discharge cover ---

ImpellerGrey cast iron EN-GJL-250 (A 48 Class 35B)ShaftStainless steel EN-1.4021+QT800 (A 276 Type 420)Bearing bracketGrey cast iron EN-GJL-250 (A 48 Class 35B)Motor casingGrey cast iron EN-GJL-250 (A 48 Class 35B)Bolts. nutsStainless steel A4 (EN-1.4571) (A 276 Type 316)

Shaft protection sleeve Stainless steel EN-1.4021+QT800 (A 276 Type 420)

Casing wear ring

Impeller wear ring

O-Rings Nitrile rubber (NBR)

KSB Inc., 4415 Sarellen Road, Richmond, Virginia 23231, Phone: 001-804-222-1818, Fax: 001-804-226-6961 KSB Pumps Inc, 5885 Kennedy Road, Mississauga, Ontario L4Z 2G3 (Canada), Phone: (0905) 568-9200, Fax: (0905) 568-9120

Project PSI - James Mansfield

Customer pos.no Project ID

Pflugerville Temporary



2/5

Page 5/21/2020

Created by

Pos.no

Data sheet

Pump type KRT E 80-200/34XG-P (older product range)

Shaft seal

Type of seal Double mechanical seal

Arrangement: Tandem

Seal on medium side with elastomer bellows

Mechanical seal. pump-side Silicon carbide / Silicon carbide Mechanical seal. bearing-side Carbon / Silicon carbide

Monitoring

Thermal winding protection By temperature sensitive switches

Explosion proof protection ---

Motor housing monitoring By conductive moisture sensor electrode

Mechanical seal leakage detection ---Bearing temperature monitoring ----

Coating

Preparatory treatment SSPC near white SP 10 Blasting method Steel grit blasting

Primer Zinc phosphate or Zinc dust
Dry film thickness primer > 1 1/2 mils (35 microns)
Top coat 2-component epoxy resin

Solids content > 82 %

Dry film thickness top coat > 6 mils (150 microns)

Color Ultramarine Blue (RAL 5002 to DIN 6174)

Installation

INSTALLATION

Type of installation:

Discharge size: 3 inch

Flange to suit: ASME/ANSI B16.1, CLASS 125 Stand assembly: Feet+Plate DN 80 G BH

bolted to the pump

Installation depth: 15 ft (4.5 m)

Lifting device:

Length of lifting device: 33 ft (10 m)
Lifting loops: Every 8 ft (2.5 m)

Installation accessories: Stand assembly, lifting rigging

Materials:

Lifting device:

Feet+Plate DN 80 G BH: Galvanised steel EN-1.0038+Z (A 283 Grade B Galv.)

INSTALLATION

Type of installation:

Discharge size: 3 inch

Flange to suit: ASME/ANSI B16.1, CLASS 125 Stand assembly: Feet+Plate DN 80 G BH

bolted to the pump

Installation depth: 15 ft (4.5 m)

Lifting device:

Length of lifting device: 33 ft (10 m)

Portable wet well installation

Portable wet well installation

Pflugerville Temporary



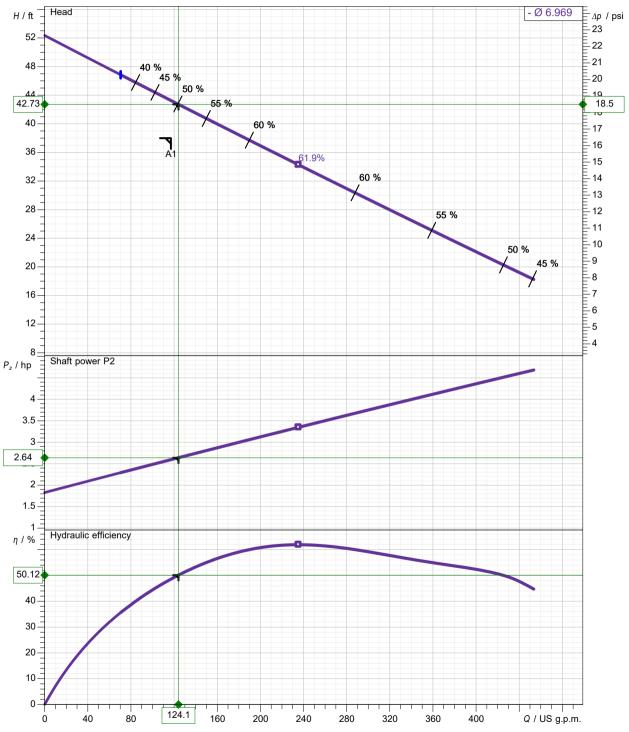
Created Update

Page 3 / 5 5/21/2020 5/21/2020

Performance curve

Pump type

KRT E 80-200/34XG-P (older product range)



Impeller type Free passage Impeller size

Single vane impeller, Closed 3 inch

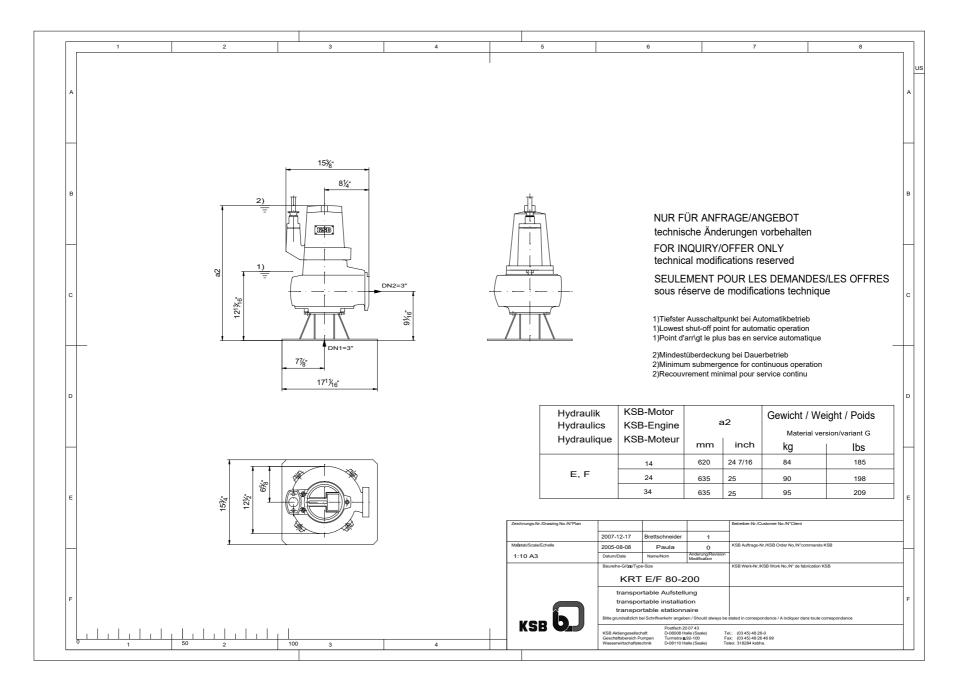
7 inch

(177) Viscosity

Density of fluid 62.322 lb/ft3 1.082E-5 ft²/s Curve number Frequency Speed

25.01.2012 09:42.18,492 60 Hz 1750 1/min

KSB Inc., Richmond, VA. / KSB Pumps Inc., Mississauga, Ontario / KSB AG, Halle (Germany)



Project Pflugerville Temporary Project ID PSI - James Mansfield Pos.no KRT E 80-200/34XG-P (older product rail

Project Customer pos.no Project ID Created by

Pos.no

Pflugerville Temporary

PSI - James Mansfield



0.65 inch

Created Update

5/21/2020

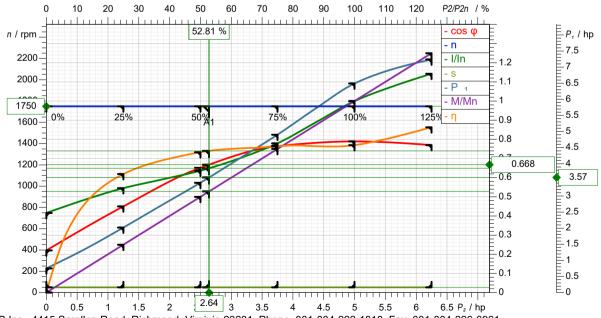
Data sheet: Motor data

Motor type 34XG

Motor manufacturer Design acc. standard Service factor	KSB SE & Co. KGaA NEMA MG1 Design B 1.15	Rated voltage Rated frequency Rated HP (D.O.L) or VFD	460 60 5	V Hz hp
Degree of protection	IP 68	Rated current	7.7	A
Insulation class	F	Nominal speed	1750	rpm
Starting mode	Direct starting	NEMA code letter	E	
No. starts / h	30	Starting to rated current	4	
Coolant temperature	= 104 °F (40 °C)</td <td>Starting current</td> <td>30.8</td> <td>Α</td>	Starting current	30.8	Α
Motor casing	Grey cast iron EN-GJL-250) (A 48 Class 35B)		
Explosion protection Pump type	(FM, CSA) XP Class I, I KRT E 80-200/34XG-P (Div. 1, Groups C+D, T3 older product range)		

Load	P1 kW	P2 hp	eta %	cos phi	I A
4/4	4.84	5.0	77.0	0.79	7.7
3/4	3.66	3.7	76.5	0.76	6.0
2/4	2.54	2.5	73.3	0.65	4.9
1/4	1.51	1.2	61.9	0.45	4.2

Main cable 1 x AWG15-8 Diameter Control cable Diameter Cable. outer sheath Waterproof synthetic rubber compound Cable length 33 ft (10 m)



KSB Inc., 4415 Sarellen Road, Richmond, Virginia 23231, Phone: 001-804-222-1818, Fax: 001-804-226-6961 KSB Pumps Inc, 5885 Kennedy Road, Mississauga, Ontario L4Z 2G3 (Canada), Phone: (0905) 568-9200, Fax: (0905) 568-9120



806 Tradesmens Park Loop Hutto, Texas 78634

Phone: (512) 846-2600 Fax: (512) 846-1163

THIS TRANSMITTAL CONSISTS OF 2 PAGE(S) INCLUDING THIS PAGE.

TO: BIDDING ESTIMATOR

FROM: James Mansfield BID DATE: June 2nd, 2020

RE: Pflugerville Temporary Pumps

Pump Solutions Inc., is pleased to offer the following equipment:

Lift Station Equipment

Two (2) **KSB** KRT F80-200/34XG-P, 3" discharge, 5 HP, 230/460 Volt – wired for 460V, 3 Phase, explosion proof, submersible sewage pump, with vortex impellers, and 50' electric power cable.

Two (2) KSB Pump Stands for mounting on sump floor

Two (2) 3" NPT Adapters

Two (2) 20' 316 SS Lifting Chain

One (1) Float & Cable Hanger

One (1) Simplex NEMA 4X (#304 stainless steel) wall mount control panel for operation on a 480 volt 3 phase 3 wire service. Controls to operate one 5 HP motor on a pump down mode and include the following:

- Padlockable 3-point latching handle
- Inner door
- 30 Amp Main breaker
- Lightning arrestor
- Phase monitor with line fuses
- Pump circuit breaker
- NEMA rated FVNR starter with ambient insensitive solid state overload & reset
- Control transformer with primary & secondary protection
- Control circuit breaker
- Area light circuit breaker
- Duplex GFI convenience receptacle
- Panel interior light
- Serialized UL 508 label
- 24 VAC float circuit
- Hand-Off-Auto selector switch
- Run light
- Overtemp shutdown
- Overtemp alarm light
- Seal fail alarm light
- Overtemp/seal fail reset push button
- 120 VAC external alarm light
- 120 VAC external alarm horn with alarm silence push button
- Unpowered dry alarm contacts

- Laminated wiring schematic affixed inside enclosure
- Wire numbered
- Terminal strip
- Factory wired & tested
- One-year factory warranty

NOTES:

- 1. Estimated panel size: 30x24x12
- 2. One pump is going to be a spare (not installed)

Four (4) ROTO Floats with 40' Cable, NO/NC

One (1) Lot of Delivery, Submittals, O&Ms, and Start Up Services

Total Price:

Notes:

- 1) We have excluded the wet well, 90 DEG bend, control panel, SCADA, RTU, auto-dialer, area light, transducer, valve vault, check valves, gate valve, discharge piping, seal offs, junction boxes, wire/conduit, vent pipe, main disconnect, meter service, etc. The min manhole sized needed for these two pumps is a 5' manhole.
- 2) Control panel w/ floats added

Proposed Delivery Schedule:

Submittals: 3-4 Week after receipt of order.

Pumps & Accessories: 6-8 Weeks After received Approved Submittals.

- (1) The price quoted is F.O.B. Jobsite.
- (2) Federal taxes, state taxes, or local taxes are NOT included.
- (3) Terms are Net 30 Days, Standard Terms and Conditions Apply.
- (4) There is not piping, valves, rails, etc. that are not specifically mentioned.
- (5) This Quote is Valid from 30 Days from the date of this quote

Thank you for your consideration of the proposed equipment.

Sincerely,

James Mansfield Pump Solutions Inc.

James Mansfield

(512) 809-2302



Project: Pflugerville Central Plant WWTP Date: 06/05/20

Expansion Phase 1

TMC Change #: COR-05

Owner: City of Pflugerville Project Change #: N/A

Change Order Request

Per the request of the engineer, T. Morales Company offers a change in pricing for consideration by the owner to provide power to a temporary Lift Station located at the Wastewater Treatment Plant.

TMC will dig a Ductbank running from the Electric Building No.4 to the location of the Temporary Lift Station located near the Admin Building 800ft away. TMC will then Supply the Ductbank with 800ft of 2" Schedule 40 PVC Conduit in order to help protect the #6 XHHW power conductors underground. TMC will then Terminate the power conductors to the control panel from the breaker located inside EB-4 as well as provide and terminate a LED overhead photocell light fixture. TMC will also provide the construction of the equipment rack for the control panel to be mounted on.

The Total Cost to provide the temporary Lift Station power will equate to a total of \$25,434.00

Change Initiated By: <u>Luis Varela / Freese&Nichols</u> Change Prepared By: <u>Tye Eldridge / TMC</u>

Change Delivered To: Dennis Berger / Bar Const Response Rqst'd By: ASAP

Carbon Copy To: Randy Eldridge / TMC

PO Box 859 Florence, Texas 76527 Phone: 254-793-4344 601 South Patterson Avenue Florence, Texas 76527 Fax: 254-793-3044 JOB 1425 2019050: 2019-050 COPVille ...
ESTIMATE 4 COR05: COR 05 Temp Lift St...
DATA SET 9 TMC WTP - NECA dataset
DATE 6/5/2020 12:02:41 PM

Bid: #1 - Lump Sum T Morales Company PO Box 859 Florence, Tx 76527 254-793-4344 / 254-793-3044

tdeldridge@moralescompany.com

Index	Description	Reference Type	Reference	Ref Amount	Operation	Rate	Amount
1	MATERIALS / QUOTES:					-	0.00
2	Misc Materials:	Material	Total	9,564.88	*	1.00	9,564.88
3	Fixture Quote	Calculated		750.00	*	1.00	750.00
4	Quote #2	Calculated		0.00	*	1.00	0.00
5	SUBTOTAL						10,314.88
6	#######################################						0.00
7	SALES TAX:	Material	Total	9,564.88	%	8.25	789.10
8	SUBTOTAL						789.10
9	#######################################						0.00
10	LABOR:						0.00
11	Straight Time Labor	Labor	Total	123.16	*	46.22	5,692.46
12	Overtime Labor	Calculated		0.00	*	69.33	0.00
13	Exec Order 13706 Hours	Labor	Total	123.16	*		0.00
14	Exec Order 13706 Rate	Component	13	0.00	*		0.00
15	Gen Foreman Hours	Labor	Total	123.16	%	10.00	12.32
16	Gen Foreman Rate	Component	15	12.32	*	50.97	627.75
17	Material Hndler Hrs	Labor	Total	123.16	%	5.00	6.16
18	Material Hndler Rate	Component	17	6.16	*	35.04	215.78
19	Update As Built Dwgs	Calculated		1.00	*	49.00	49.00
20	SUBTOTAL						6,584.98
21	#######################################						0.00
22	DIRECT JOB EXPENSES:						0.00
23	Expendable Tools	Material	Total	9,564.88	%	6.00	573.89
24	Equipment						0.00
25	Warranty on Material	Component	5	10,314.88	%	3.00	309.45
26	Warranty on Labor	Component	20	6,584.98	%	3.00	197.55
27	SUBTOTAL						1,080.89
28	#######################################						0.00
29	SUBCONTRACTS:						0.00
30	Sub #1	Calculated		0.00	*		0.00
31	Sub #2	Calculated		0.00	*		0.00
32	SUBTOTAL						0.00
33	#######################################						0.00
34	JOB SUBTOTAL						18,769.85
35	#######################################						0.00
36	MARKUPS:						0.00
37	Liability/Bldrs Risk	Component	34	18,769.85	%	2.00	375.40
38	WrkComp/SS/Unmplymnt	Component	20	6,584.98	%	25.00	1,646.24
*	_						
40	JOB TOTAL						22,668.48
41	#######################################						0.00
44	Perf _Payment Bond	Component	43	24,935.32	%	2.00	498.71
45	ADD BOND	Component	44	498.71	*	1.00	25,434.03
46	#######################################						0.00
47	BID TOTAL						25,434.03

JOB 1425 2019050: 2019-050 COPVille ...
ESTIMATE 4 COR05: COR 05 Temp Lift St...
DATA SET 9 TMC WTP - NECA dataset

Item

Combined All - Job File Pricing
T Morales Company
PO Box 859
Florence, Tx 76527
254-793-4344 / 254-793-3044
tdeldridge@moralescompany.com

Material

PRINTED 6/5/2020 12:03:11 PM
MATERIAL Primary
LABOR Primary

NOTES

nem				Material		
Size	Item Desc	Qty	UOM	Mat Unit	Mat Adj	Mat Ext
	Mouting Solvent	1.00		100.00	1.00	100.00
	Terminating Control Panel	1.00		Skip	1.00	0.00
	Kellum Grips	3.00		120.00	1.00	360.00
2"	PVC Sch 40 Carlon #49011010	800.00 F	EET	1.90	1.00	1,520.00
2"	PVC Sch 40 Elbow Carlon #UA9AJ	2.00 E	EACH	9.00	1.00	18.00
2"	PVC Fem Adapt Carlon #E942J	2.00 E	EACH	3.04	1.00	6.08
1"	MYERS HUBS GRDG	2.00 E	EACH	26.84	1.00	53.68
2"	BONDING BUSHINGS-INS	2.00 E	ACH	34.01	1.00	68.02
2"	ALUM COUPLING	2.00 E	EACH	28.19	1.00	56.38
3/8.	S.S.FLAT WASHERS	28.00 E	EACH	8.00	1.00	224.00
3/8-16	CONCRETE DROP IN ANCHOR	8.00 E	EACH	0.54	1.00	4.32
3/8-16	S.S.HEX NUTS	28.00 E	EACH	28.00	1.00	784.00
2"	S.S.STRUT STRAPS	12.00 E	EACH	8.40	1.00	100.80
1 1/2"	316 SSTEEL STRUT	40.00 F	EET	10.00	1.00	400.00
1 1/2"	316 SSTEEL BASE POST	2.00 E	EACH	70.00	1.00	140.00
3/8"	Ssteel Spring Nut	10.00 E	EACH	3.00	1.00	30.00
	NYLON LINE	800.00 F	EET	0.03	1.00	24.00
6.	XHHW STR CU	3,240.00 F	EET	1.75	1.00	5,670.00
6.	WIRE TERM-LABOR ONLY	8.00 E	ACH	0.70	1.00	5.60
6W X 24D	TRENCHER DITCHING	800.00 F	EET	Skip	1.00	0.00
6W X 24D	BACKFILL TRENCHER	800.00 F	EET	Skip	1.00	0.00
Grand Totals						9,564.88

Reply Reply All A Forward



Tue 6/9/2020 1:48 PM

Tye Eldridge <tdeldridge@moralescompany.com>

RE: Conduit for Temp Lift Station

To Trevor Wolfe; Kirk Brobst

Cc Dennis Berger

Action Items

+ Get more apps

Yes sir, i threw some conduit in there in order to help protect the cable. To my understanding the cable is going to be buried pretty shallow so I figure it would be smart to have some sort of protection.

Thanks,

From: Trevor Wolfe < trevorw@barconstructors.com >

Sent: Tuesday, June 9, 2020 1:35 PM

To: Tye Eldridge < tdeldridge@moralescompany.com >; Kirk Brobst < kbrobst@moralescompany.com >

Cc: Dennis Berger < dennisb@barconstructors.com >

Subject: Conduit for Temp Lift Station

Tye,

Are you wanting to lay conduit for the temp lift station even though the engineers have allowed direct bury?

Thanks,

Trevor Wolfe Construction Project Engineer BAR Constructors Inc. 214-869-4403