

SHOP DRAWING REVIEW FORM AND TRANSMITTAL

DATE: October 25, 2021

TO: Carl Hendrickson
Project Manager
Veolia Water
825 West Water Street
Taunton, MA 02780

FROM: Michael Andrus, P.E.
Project Manager
BETA Group, Inc.
701 George Washington Hwy
Lincoln, Rhode Island 02865

RE: City of Taunton, MA
WWTF Phase 1 Improvements
Contract S-2021-1

Shop Drawing No. 03200-02 REV 0 – Duct Bank Rebar

BETA COMMENTS:

<u>Item</u>	<u>Action Code</u>	<u>Description/Comments</u>
1	2	Duct Bank Rebar (Harris Rebar) 1. See Comments from SAR 2. Confirm that this product is in compliance with American Iron and Steel requirements.

Action Codes

- 1 - No Exception Taken
- 2 - Make Corrections Noted
- 3 - Amend and Resubmit
- 4 - Rejected, See Remarks
- 5 - Record File Only

- a. Installation shall proceed only when Action Code is '1' or '2'.
- b. Submittals action coded '3' shall be resubmitted within time limit set in Contract.
- c. Review does not relieve Contractor from responsibility of compliance with the Contract Documents.



PROJECT: 9900. - Veolia/Taunton WWTF Phase 1 Improvements

DATE: 10/07/2021

SUBMITTAL: 03200-02 - Ductbank Rebar
REVISION: 0
STATUS: Eng
SPEC #: 03200

TO:
Michael Andrus
 Beta Group Inc.
 6 Blackstone Place
 Lincoln, RI 02865
 MAndrus@BETA-Inc.com

FROM:
Ryan Murphy
 Hart Engineering Corporation
 800 Scenic View Drive
 Cumberland, RI 02864
 rmurphy@hartcompanies.com

Item	Revision	Description	Status	Date Sent	Date Returned
03200-02	0	Ductbank Rebar	Eng	10/07/2021	
Notes:					

Additional Notes:

Status Codes

- 1-APP – No Exceptions Taken
- 2-ANR – Make Corrections Noted
- 3-R&R – Revise and Resubmit
- 4-REJ – Rejected
- 5-IPO – For Information Purposes Only
- 6-NRR – Not Required for Review
- ENG – Submitted to Engineer

Sincerely,
 Hart Engineering Corporation

SHOP DRAWING REVIEW	
<input type="checkbox"/> 1 – Approved	<input checked="" type="checkbox"/> 2 – Approved as Noted
<input type="checkbox"/> 3 – Revise and Resubmit	<input type="checkbox"/> 4 - Rejected
<input type="checkbox"/> 5 – Record File Only – No Action Taken	
(Above Check Designates Action Code – See Review Comments)	
IMPORTANT NOTE FOR CONTRACTOR	
Review is only for general compliance with the design concept and information provided in Contract Documents. Corrections and comments made on the Shop Drawings during review do not relieve the Contractor from compliance with the requirements of the plans and specifications. Review and/or approval of a specific item shall not include review or approval of an assembly of which the item is a component. No approval or correction of a Shop Drawing shall be construed as an order for extra work. The Contractor is responsible for: all quantities and dimensions to be confirmed and correlated; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all trades and subcontractors; and performing all Work in a safe and satisfactory manner.	
BETA GROUP, INC.	Checked By: <u>MLA</u>
By: <u>MLA</u>	Date: <u>10/25/21</u>

DATE: 10/07/2021



TO: BETA Group

701 George Washington Highway

Lincoln, RI 02865

Attention: Mike Andrus

Sent by: M. Cotter

Date: October 25, 2021

SAR Job Number: 18009.00

Reference: Taunton WWTF Upgrades – Phase 1

Enclosed Herewith We are sending you the following item(s):

- VIA Print(s) Reproducible(s) Original Drawing(s)
- Mail Diskette(s) Report(s) Sketch (es)
- Messenger Shop Drawing(s) Specification(s) Sample(s)
- Express Copy of Letter Change Order Other _____
- Email: Filename: _____ Time Sent _____ AM

Copies	Date	Description
1		03200-02 REV A - Ductbank Rebar

These are transmitted as indicated

- For approval For review and comment As requested For your information

Remarks

Copy to

File(s)

Transmittal Enclosure



Review Comments

JOB: Taunton WWTF Upgrades – Phase 1

DATE: October 25, 2021

SUBMITTAL NO.: 03200-02 REV A

SUBJECT: Duct Bank Rebar

<input type="checkbox"/> NO EXCEPTION	<input type="checkbox"/> MAKE CORRECTIONS
<input type="checkbox"/> TAKEN	<input checked="" type="checkbox"/> NOTED
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site fabrications process and techniques of construction; coordination of His work with that all other trades; and the satisfactory performance of his work.

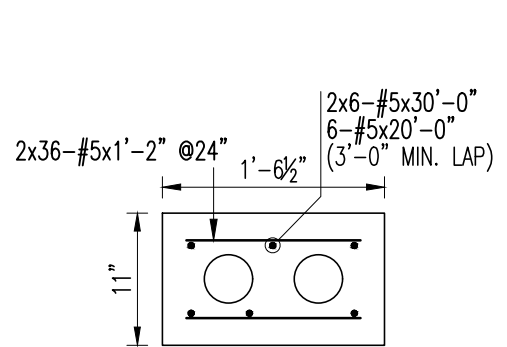
SAR ENGINEERING, INC.

DATE: October 25, 2021 **BY:** M. Cotter

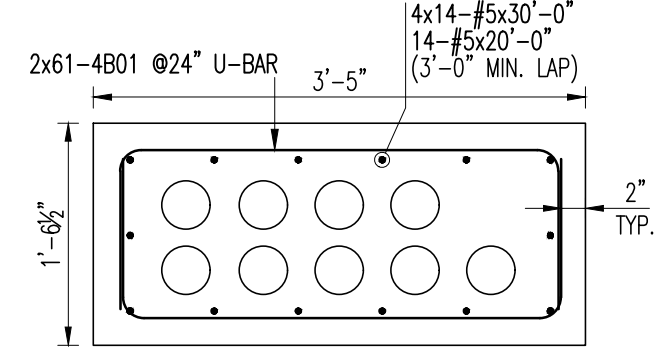
R-2/21/2003

Comments:

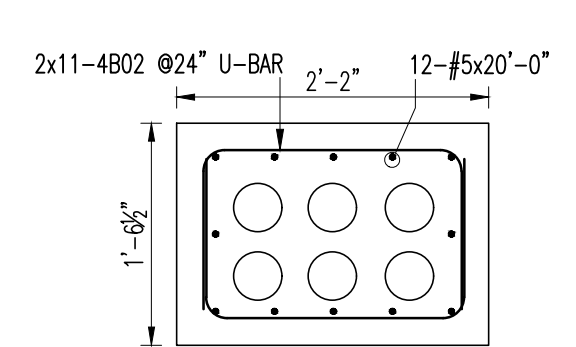
1. Ductbank F-F between Blower Building and the Solids Handling Building will be a (3) DP9 conduit ductbank as indicated on drawing E-0.7.



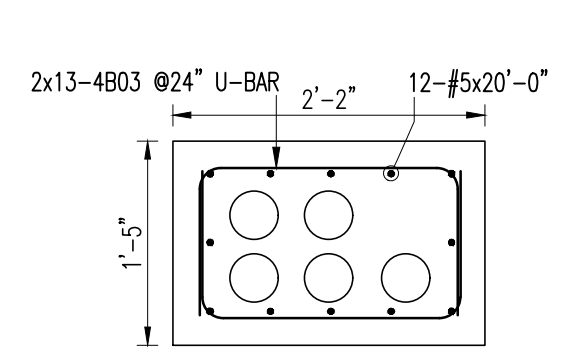
DUCTBANK A-A
APPROX. 70 LF



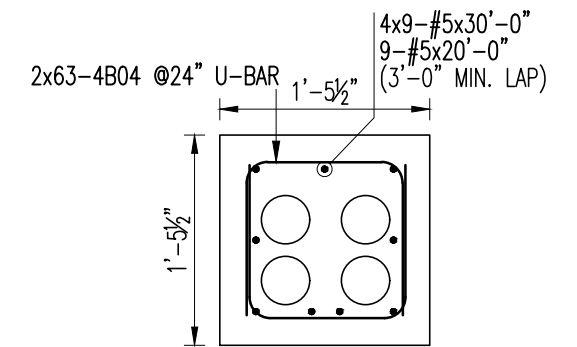
DUCTBANK B-B
APPROX. 120 LF



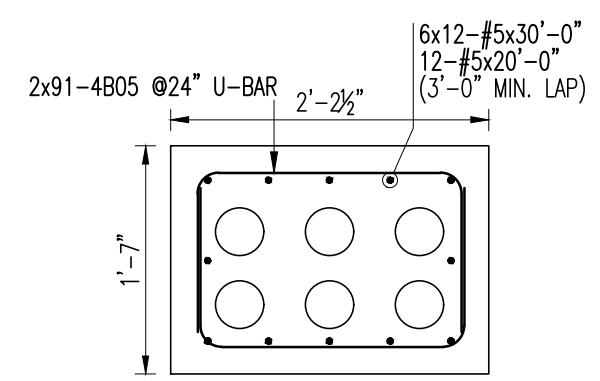
DUCTBANK C-C
APPROX. 20 LF



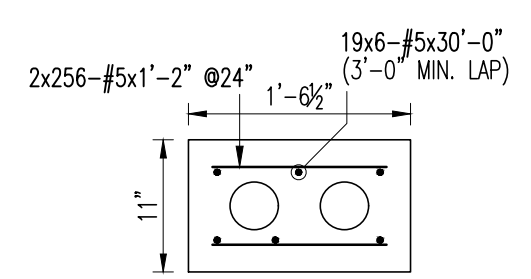
DUCTBANK C2-C2
APPROX. 25 LF



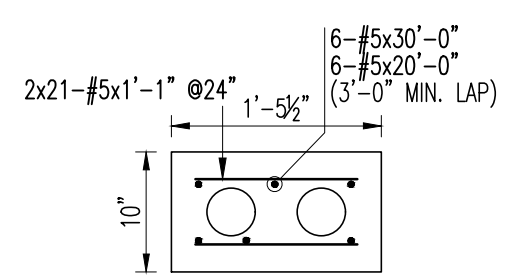
DUCTBANK D-D
APPROX. 125 LF



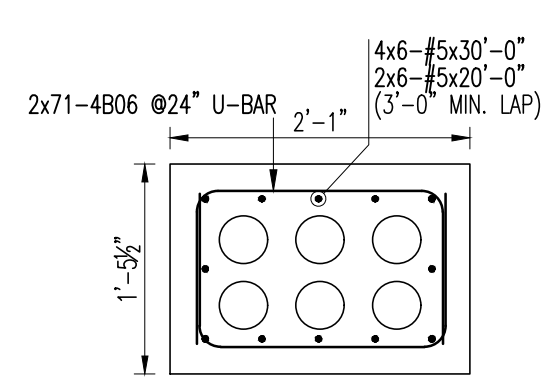
DUCTBANK E-E
APPROX. 180 LF



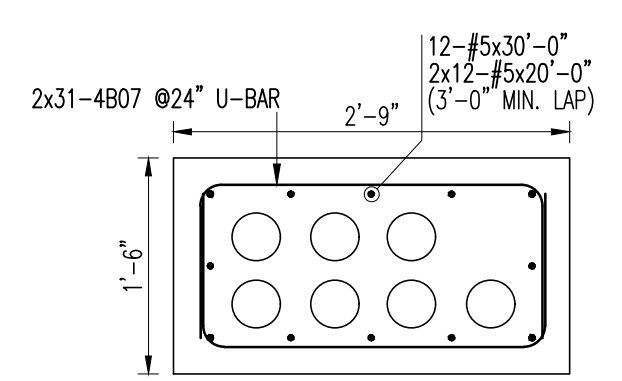
DUCTBANK F-F
APPROX. 510 LF



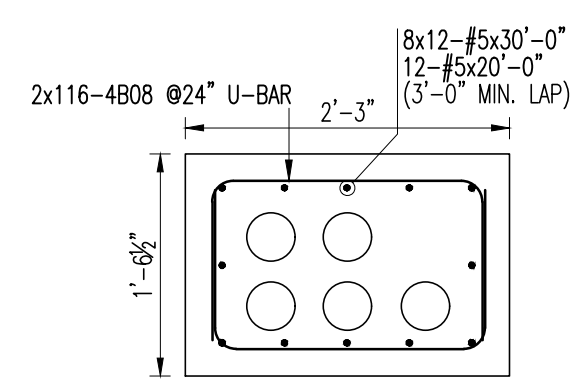
DUCTBANK G-G
APPROX. 40 LF



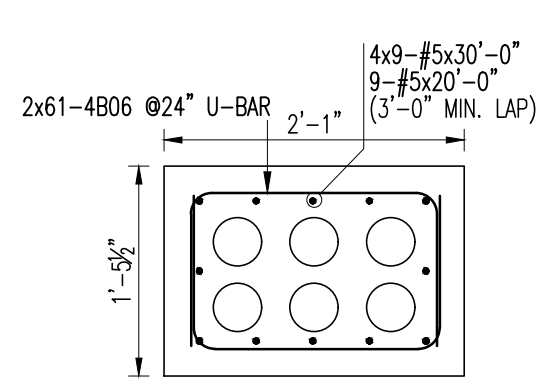
DUCTBANK H-H
APPROX. 140 LF



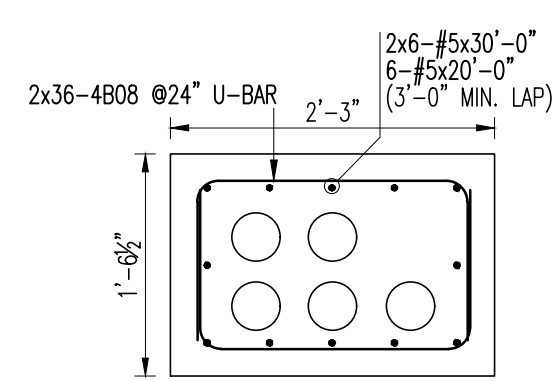
DUCTBANK I-I
APPROX. 60 LF



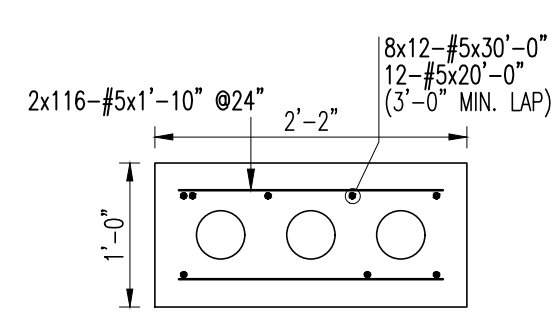
DUCTBANK J-J
APPROX. 230 LF



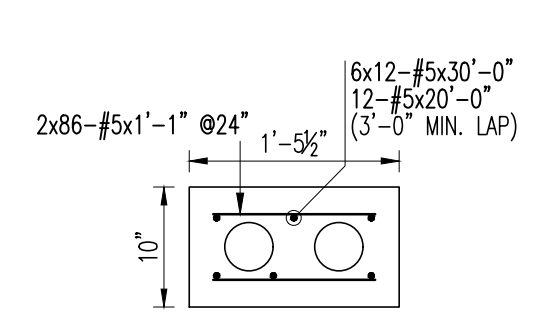
DUCTBANK K-K
APPROX. 120 LF



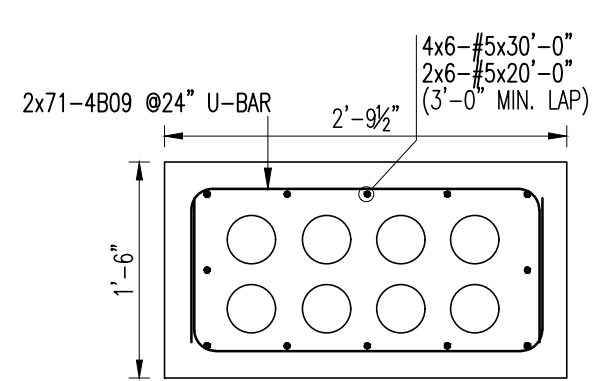
DUCTBANK L-L
APPROX. 70 LF



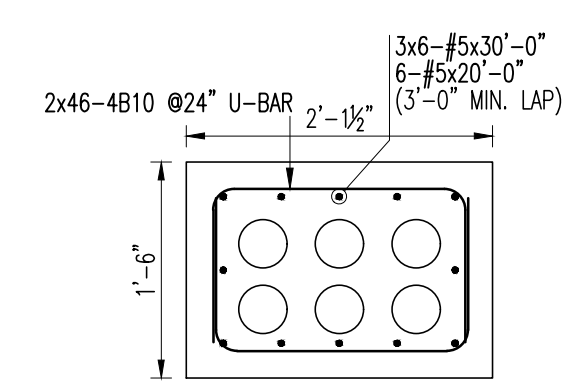
DUCTBANK M-M
APPROX. 240 LF



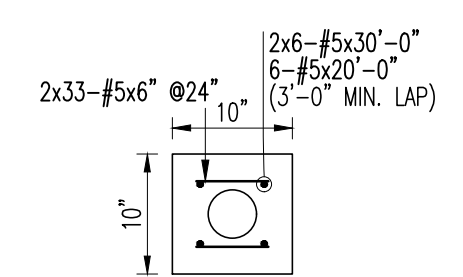
DUCTBANK N-N
APPROX. 170 LF



DUCTBANK O-O
APPROX. 140 LF



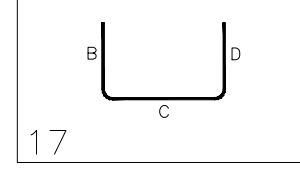
DUCTBANK P-P
APPROX. 90 LF



DUCTBANK Q-Q
APPROX. 65 LF

Drawing Sheet : DUCT-01

Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'	'K'	'L'
4B01	122	#4	5'-4"	17		1'-1 1/2"	3'-1"	1'-1 1/2"								
4B02	22	#4	4'-1"	17		1'-1 1/2"	1'-10"	1'-1 1/2"								
4B03	26	#4	3'-11"	17		1'-1 1/2"	1'-10"	1'-1 1/2"								
4B04	126	#4	3'-3 1/2"	17		1'-1"	1'-1 1/2"	1'-1"								
4B05	182	#4	4'-1 1/2"	17		1'-1 1/2"	1'-10 1/2"	1'-1 1/2"								
4B06	264	#4	3'-11"	17		1'-1"	1'-9"	1'-1"								
4B07	62	#4	4'-7"	17		1'-1"	2'-5"	1'-1"								
4B08	304	#4	4'-2"	17		1'-1 1/2"	1'-11"	1'-1 1/2"								
4B09	142	#4	4'-7 1/2"	17		1'-1"	2'-5 1/2"	1'-1"								
4B10	92	#4	3'-11 1/2"	17		1'-1"	1'-9 1/2"	1'-1"								



ALL MATERIAL ON THIS DRAWING SHALL BE ASTM A615 GRADE 60 U.N.O.

ALL REINFORCING IS TO BE PLACED IN ACCORDANCE WITH CONCRETE REINFORCING STEEL INSTITUTE (CRSI) MANUAL OF STANDARD PRACTICE.

0	SENT FOR APPROVAL	10/07/21	KML
No.	Description	Date	By
Revisions and Issue Record			
The full intent and purpose of this drawing is the placing of reinforcing steel bars ONLY. It is NOT to be used as a means of communication between the Architect, Engineer, Contractor or any other Sub-trades.			
THIS DRAWING IS NOT TO BE SCALED.			
		DETAILED AT: PAWTUCKET RHODE ISLAND	
Project: WUTF TAUNTON TAUNTON, MA			
Drawing: DUCTBANK REINFORCING (SECTIONS)			
Customer: HART ENGINEERING			
Engineer: BETA INC.			
Refer to Release:			
Date	Drawn	Chkd.	JOB No.
10/06/21	KML		34015329
			Dwg. No.
			DUCT-01