#### BID # 2248

#### **ADDENDUM #1**

June 5, 2019

PROJECT: Construction of the Twin Bridges Station

230kV – 138kV Transformer Addition

BHA #2019E16A

Bid Opening Date: July 9, 2019 – 10:00 a.m.

OWNER: City of Alexandria

ENGINEER: **BHA**, **Inc.** 

9342 Lindale Avenue

Baton Rouge, Louisiana 70815

Attn: Jay Cefalu

The Plans and Specifications contained in the above listed project documents are hereby revised as indicated below and prospective bidders are required to take into consideration all items presented hereby in the preparation of their bids, as though contained in the bidding documents as originally issued. In the event of any conflicts between the original documents and this Addendum, the provisions of this Addendum shall govern.

This Addendum shall be attached **INSIDE** the front cover of the bidding documents by the prospective bidders, thereby becoming a part of these documents.

This Addendum shall be acknowledged by Bidder on the Louisiana Uniform Public Work Bid Form, Page 10-1.

#### 1. Reference Section 7 – Technical Specifications

- Replace Page 7-2 with the attached Revised Page 7-2 Addendum #1 6/5/2019.
- Insert Page 7-2A Addendum #1 6/5/2019 behind Page 7-2 Addendum #1 6/5/2019.
- Replace Page 7-8 with the attached Revised Page 7-8 Addendum #1 6/5/2019.

#### 2. Reference Section 15 – Drawings

- Replace Page 15-1 with the attached Revised Page 15-1 Addendum #1 6/5/2019.
- Replace the set of Drawings Twin Bridges Rev B, containing 26 sheets, with the attached Revised Set of Drawings – Twin Bridges Rev B1, containing 27 sheets.

#### Changes To Drawings Are As Follows:

Title Page [REV. B1] - Added Rev B1 next to revised drawings.

TBTA-04A [REV. B1] - Added grounding of grate support beam.

TBTA-05 [REV. B1] - Revised containment pit dimension and added centerline dimension to the

230kV tap bus.

TBTA-05C [REV. B1] - Revised elevation note on foundations L-1A.3, L-1A.4, L-A1.5 and L-1A.6

TBTA-05E [REV. B1] - Revised containment pit foundation design, deleted portions of grating and

Added railing around containment pit. Please note power transformer is

already installed.

TBTA-06A [REV. B] is replaced by TBTA-06A1 [REV. B1] and TBTA-06A2 [REV. B1].

TBTA-06A1 [REV. B1] - Added notes for Contractor cable terminations.

TBTA-06A2 [REV. B1] - Added notes for Contractor cable terminations.

#### Scope of Work (Continued)

: Furnish and Install Blast Wall (Foundation By Others)

: Furnish and Install 230kV Bushing CT's

CAUTION: See Page 7-2A

#### Site Work

The site is currently leveled and sloped to drain as indicated on the attached drawings. Drainage ditches shall be shaped by excavation to flow as indicated.

The Contractor is to supply all personnel and equipment necessary to survey the substation site as required to properly perform the contracted work. A record of this survey data is to be kept and will subsequently become the property of the Owner as part of the As-Built records.

The construction site has been prepared such that the final grade is smooth and even as indicated by the drawings, with final elevations in accordance with the drawings.

The Contractor shall maintain the driveway areas at all times during construction. Additionally, site areas subject to vehicular traffic such as those areas around breaker foundations, transformer foundations, and the control building shall remain clear, compacted, and graded so as to permit traffic for delivery of equipment to those areas in which the equipment is to be installed even should such installations not be part of this contract.

Site clean-up and final grading to eliminate any damage done to the site during the period of construction shall be done the Contractor. The Contractor shall furnish any additional fill material required to bring the site elevations to those shown on the plans.

The Contractor shall remove the site surfacing in the existing Substation area requiring construction work. This material shall be stored in to a pre-determined location specified by the Owner.

The Contractor shall furnish and install crushed limestone aggregate as surfacing over the site area so designated on the drawings. The finished (rolled and compacted) depths of the crushed limestone aggregate surfacing shall be six (6) inches in those areas subject to vehicular traffic (Type 610), and six (6) inches in the remaining areas (Type 57), as shown on the drawings. Areas subject to vehicular traffic shall have a filter fabric installed prior to installing limestone. The Contractor shall furnish and install limestone (Type 57) along the inside and outside of the existing and relocated fence. In wash out areas, additional rip-rap type limestone shall be furnished and installed on the outside of the fence. The Owner will approve the rip-rap material.

The construction unit for crushed limestone shall be tons of stone installed and shall include placing, spreading, compacting and final grading.

The Contractor shall furnish copies of all suppliers delivery tickets stating the quantity delivered with all invoices for this construction unit item.

No limestone aggregate surfacing shall be installed until all below grade work (foundations, grounding, ducts, etc.) and steel erection is complete except as directed by the Engineer.

#### **CAUTION:**

The 230kV section of the substation will remain energized during construction, except when critical tie-ins require an outage. Contractor shall use caution when working in the live portions of the station. The switching and outage will be scheduled with and performed by the Owner.

It is the intent of this contract to have only one 230kV outage. During this outage, the Contractor will make all 230kV bus tie-ins and string conductors over the 230kV bus. Also at this time, terminations of control wires in the existing control house will take place. The Contractor will furnish and install all cables, but the termination of the control wires in the exiting control house, will be by others. The Owner will coordinate these activities.

See Note on Drawing for further clarification.

#### Tagging and Labeling (Continued)

For control cables with multiple conductors, each individual conductor in the cables shall be identified at each end by the service/destination terminal point designations in addition to labeling as outlined above. These labels shall be heat shrink polyolefin sleeve type.

Cables shall be properly identified by use of a 1/8" x 1-1/2" fiber tag at each end of the cable run. The run number shall be stenciled on the tag with characters not less than 3/8" high with lettering die. Cable tags shall be attached to the cable with mylar cord at least 1/16" in diameter. Attachment shall allow 2" freedom of tag from cable. Knots shall be secure.

#### Sump Pump

The Contractor shall furnish and install one (1) 1/3 hp Submersible Sump Pump, Liberty Pump 230 Series, or equal, and associated plumbing to remove excess water from pull box. The Contractor shall furnish and install the discharge line from the sump pump to an area beyond the substation fence. (See Drawings.)

Contractor shall size, furnish and install in the transformer containment pit, one (1) 115 volt submersible smart pump, complete with an oil detection control system. The Contractor may purchase a packaged system or purchase the pump and control units separately. The Engineer must approve the system prior to purchase. The Contractor shall furnish and install the discharge line from the sump pump to an area beyond the substation fence. (See Drawings.)

#### Blast Wall

Contractor shall furnish and install an Intelli-Firewall. [See Section 12 for quote by Composite Support and Solutions, Inc. This quote is for Reference Only.] It is the intent of the City to use this blast wall system, as the foundations have already been installed. If a different system is quoted by the bidder, the size of the steel structure and anchor bolt pattern, as well as ground line reactions, shall be equal to the attached quote.

#### Duct Banks, Pull Boxes and Conduit

The Contractor shall furnish and install materials required for the installation of all conduit runs as shown on drawings.

All conduit runs below grade shall be PVC, Carlon Schedule 40, except at stub-ups and 90° bends, which shall be rigid galvanized steel. All transitions between PVC and rigid conduit shall be encased in concrete. All PVC/rigid conduit fittings shall be furnished and installed by the Contractor. PVC sleeve shall be Schedule 80 at transition point. All PVC conduits entering pull boxes and the control building shall be equipped with end bells and shall fit flush with the interior pull box walls and the Control Building trench walls.

All conduits run underground must be encased with a minimum of three (3) inches of red concrete all around at a minimum depth of 1'-6" below final ground level. (See Details) All conduit stub-outs and stub-ups must have a plug and sleeve to fit the conduit.

#### **DRAWING LIST**

[REV. B1]	Cover Sheet	
	TBTA-01	Site Plan
	TBTA-01A	Partial Site Surfacing Plan
	TBTA-02	Partial One-Line Diagram
	TBTA-03	Partial Structure Plan
	TBTA-03A	Structure Elevations
	TBTA-03B	Structure Elevations
	TBTA-03C	Miscellaneous Details
	TBTA-04	Overall Grounding Plan
[REV. B1]	TBTA-04A	Partial Grounding Plan
	TBTA-04B	Grounding Details
[REV. B1]	TBTA-05	Partial Foundation Plan
	TBTA-05A	Transformer Foundation Plan & Details
	TBTA-05B	Foundation Details
[REV. B1]	TBTA-05C	Foundation Details
	TBTA-05D	Control Building Foundation Plan & Details
[REV. B1]	TBTA-05E	Oil Containment Pit Plan & Details
	TBTA-06	Partial Conduit Plan
[REV. B1]	TBTA-06A1	Conduit & Wiring Schedules
[REV. B1]	TBTA-06A2	Conduit & Wiring Schedules
	TBTA-06B	Conduit, Wiring & Pull Box Details
	TBTA-06C	Pull Box Details
	TBTA-06D	AC & DC Panels
	TBTA-06E	230kV 3Ø Rapides Line PT Junction Box
	TBTA-07	New Control Building Layout
	TBTA-07A	New Control Building Interior Elevations
	TBTA-07B	Existing Control Building Layout

# TWIN BRIDGES SUBSTATION TRANSFORMER ADDITION

BID #2248, ACCEPTING BIDS TUESDAY, JULY 9, 2019

# CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA

### DRAWING LIST

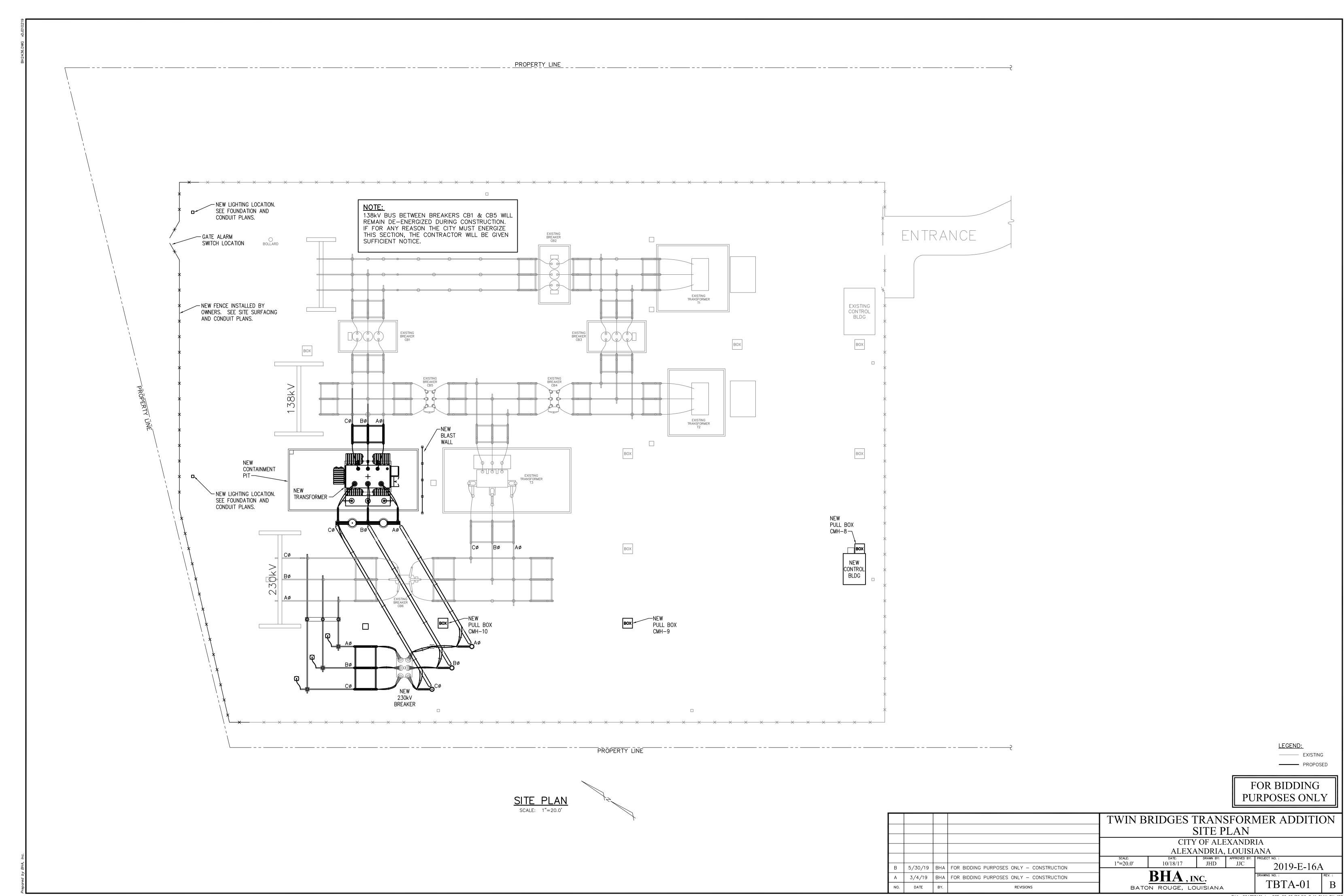
	TBTA-01	Site Plan
	TBTA-01A	Partial Site Surfacing Plan
	<b>TBTA-02</b>	Partial One-Line Diagram
	<b>TBTA-03</b>	Partial Structure Plan
	TBTA-03A	Structure Elevations
	TBTA-03B	Structure Elevations
	TBTA-03C	Miscellaneous Details
	<b>TBTA-04</b>	Overall Grounding Plan
[REV. B1]	TBTA-04A	Partial Grounding Plan
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	TBTA-05A	Transformer Foundation Plan & Details
	TBTA-05B	Foundation Details
[REV. B1]	TBTA-05C	Foundation Details
_	TBTA-05D	Control Building Foundation Plan & Details
[REV. B1]	TBTA-05E	Oil Containment Pit Plan & Details
_	<b>TBTA-06</b>	Partial Conduit Plan
[REV. B1]	<b>TBTA-06A1</b>	Conduit & Wiring Schedules
[REV. B1]	<b>TBTA-06A2</b>	Conduit & Wiring Schedules
_	TBTA-06B	Conduit, Wiring & Pull Box Details
	TBTA-06C	Pull Box Details
	TBTA-06D	AC & DC Panels
	TBTA-06E	230kV 3Ø Rapides Line PT Junction Box
	<b>TBTA-07</b>	New Control Building Layout
	TBTA-07A	New Control Building Interior Elevations
	<b>TBTA-07B</b>	Existing Control Building Layout



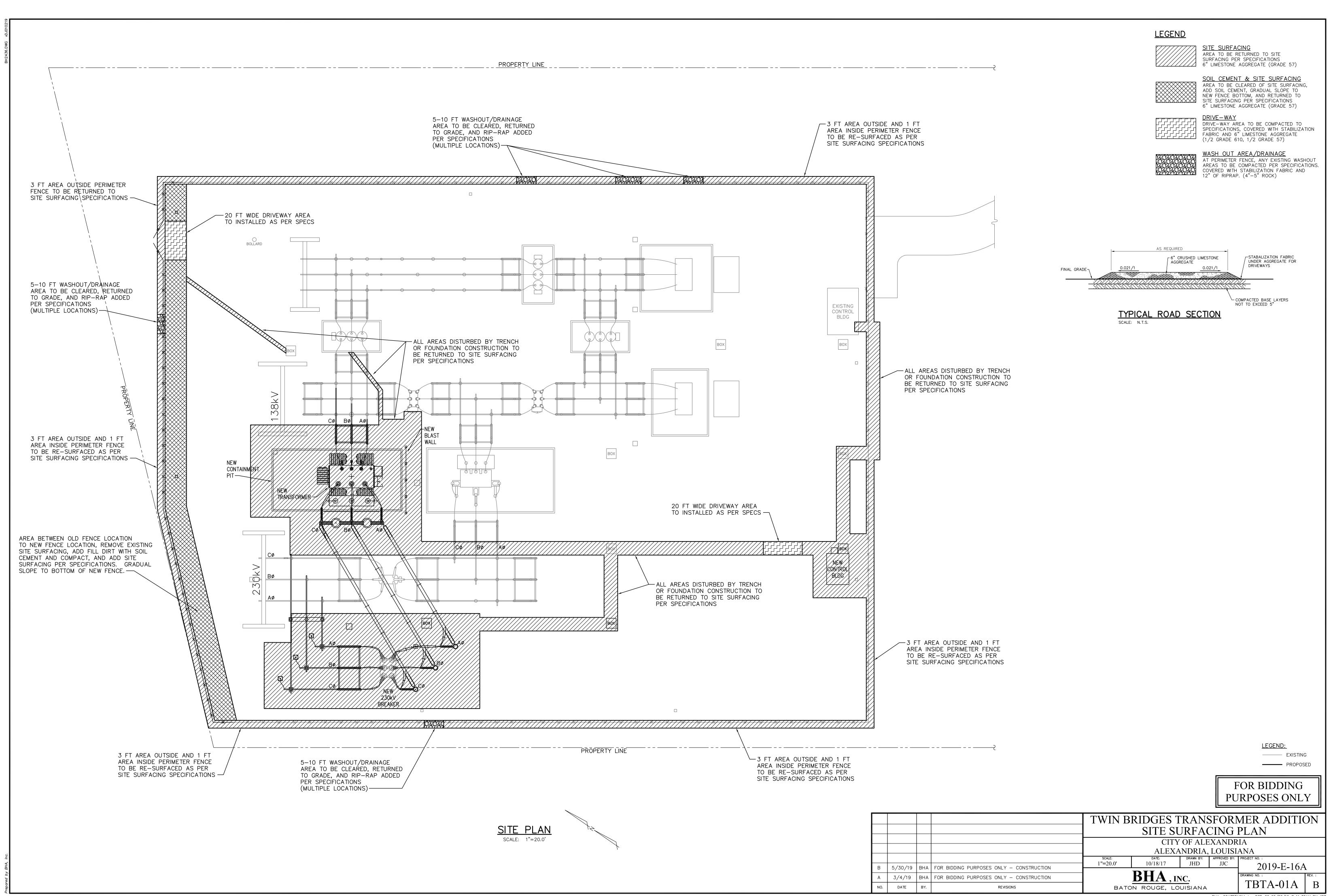
CONSTRUCTION

FOR BIDDING PURPOSES ONLY

BHA File No: 2019-E-16A May 2019 - Revision B1



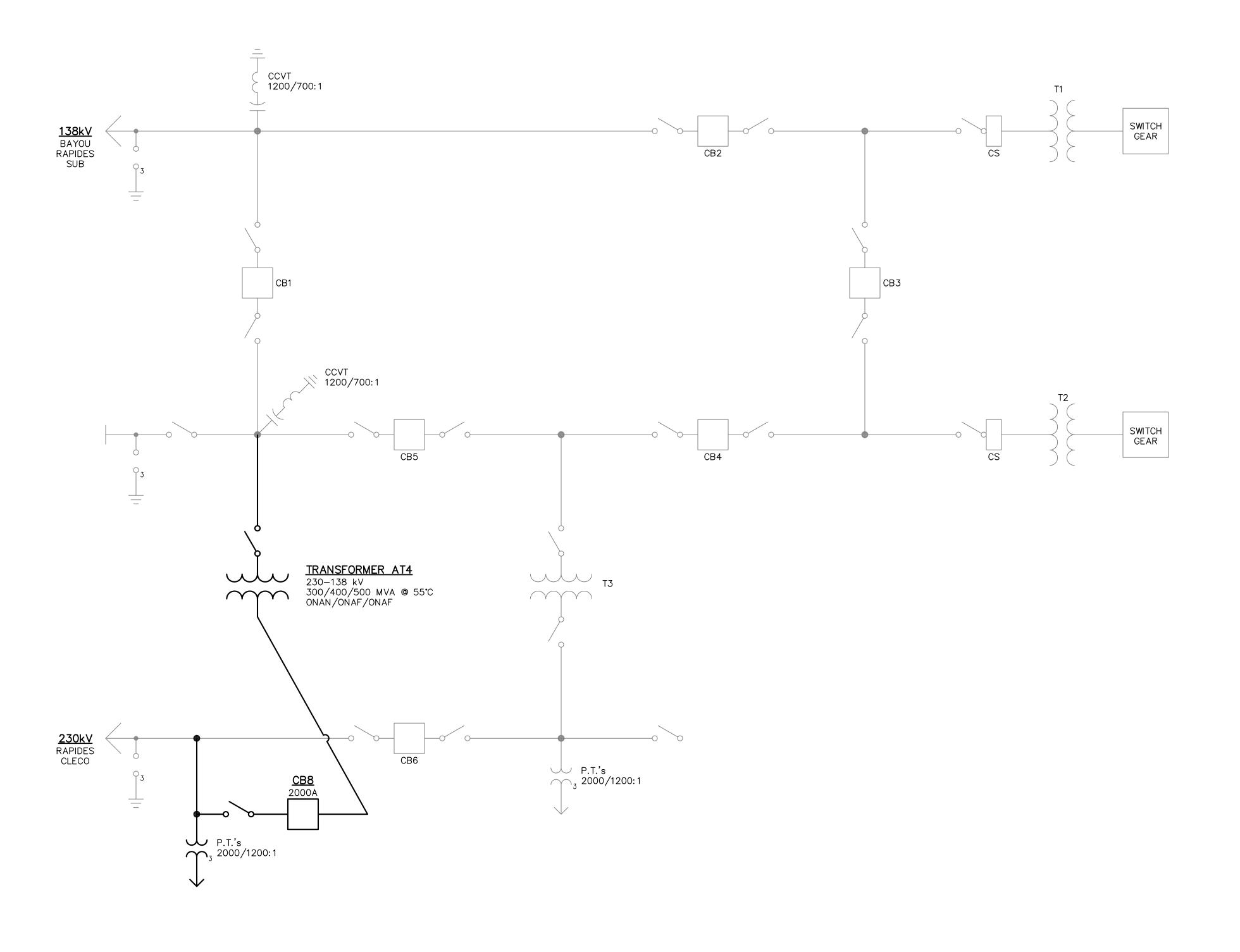
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BHA: COATBTA01A.dwg DSF=20 05/20/19 @ 11:38AM BY #27

NOTE:

138kV BUS BETWEEN BREAKERS CB1 & CB5 WILL
REMAIN DE-ENERGIZED DURING CONSTRUCTION.
IF FOR ANY REASON THE CITY MUST ENERGIZE
THIS SECTION, THE CONTRACTOR WILL BE GIVEN
SUFFICIENT NOTICE.

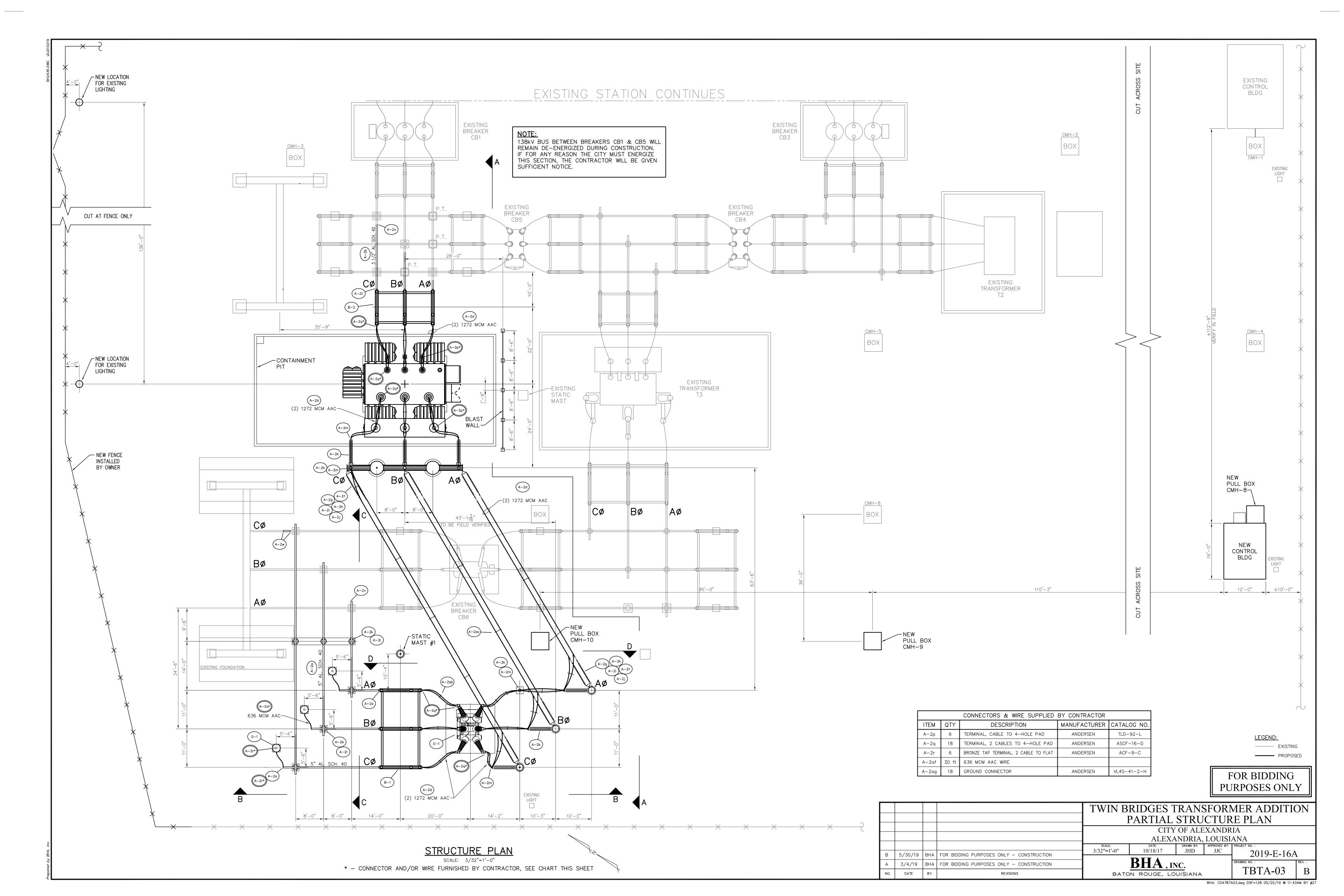


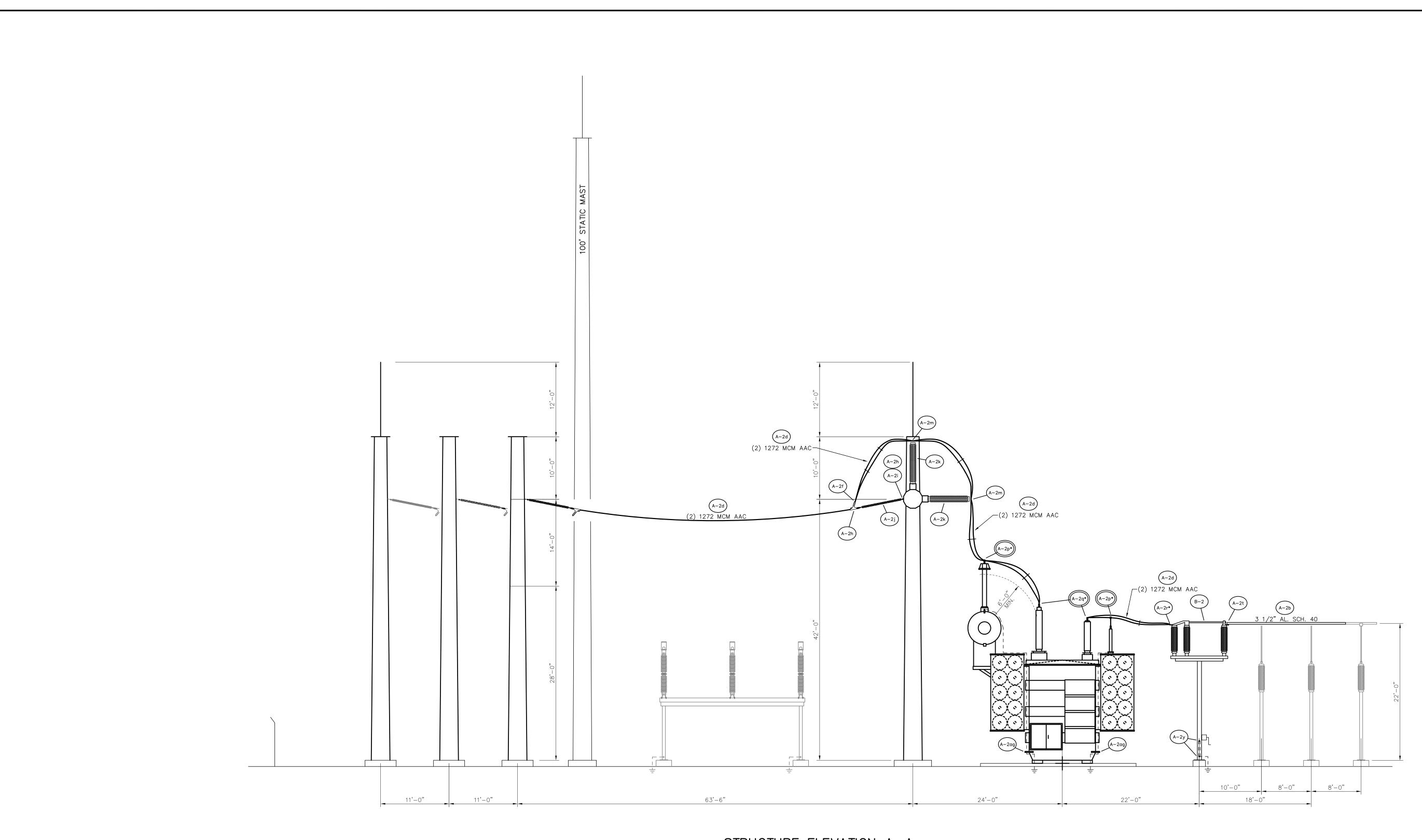
PARTIAL ONE-LINE DIAGRAM
N.T.S.

LEGEND:
----- EXISTING
----- PROPOSED

FOR BIDDING PURPOSES ONLY

				TWIN BRIDGES TRANSFORMER ADDITION PARTIAL ONE-LINE DIAGRAM CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA							
B	5/30/19	BH A	FOR BIDDING PURPOSES ONLY — CONSTRUCTION	SCALE: N.T.S.	DATE: 10/18/17	DRAWN BY: JHD	APPROVED BY:  JJC	PROJECT NO. : 2019-E-16	A		
A	3/4/19	вна			BHA INC DRAWING NO.						
NO.	DATE	BY.	REVISIONS	BATON ROUGE, LOUISIANA TBTA-02							
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# STRUCTURE ELEVATION A—A SCALE: 1/8"=1'-0"

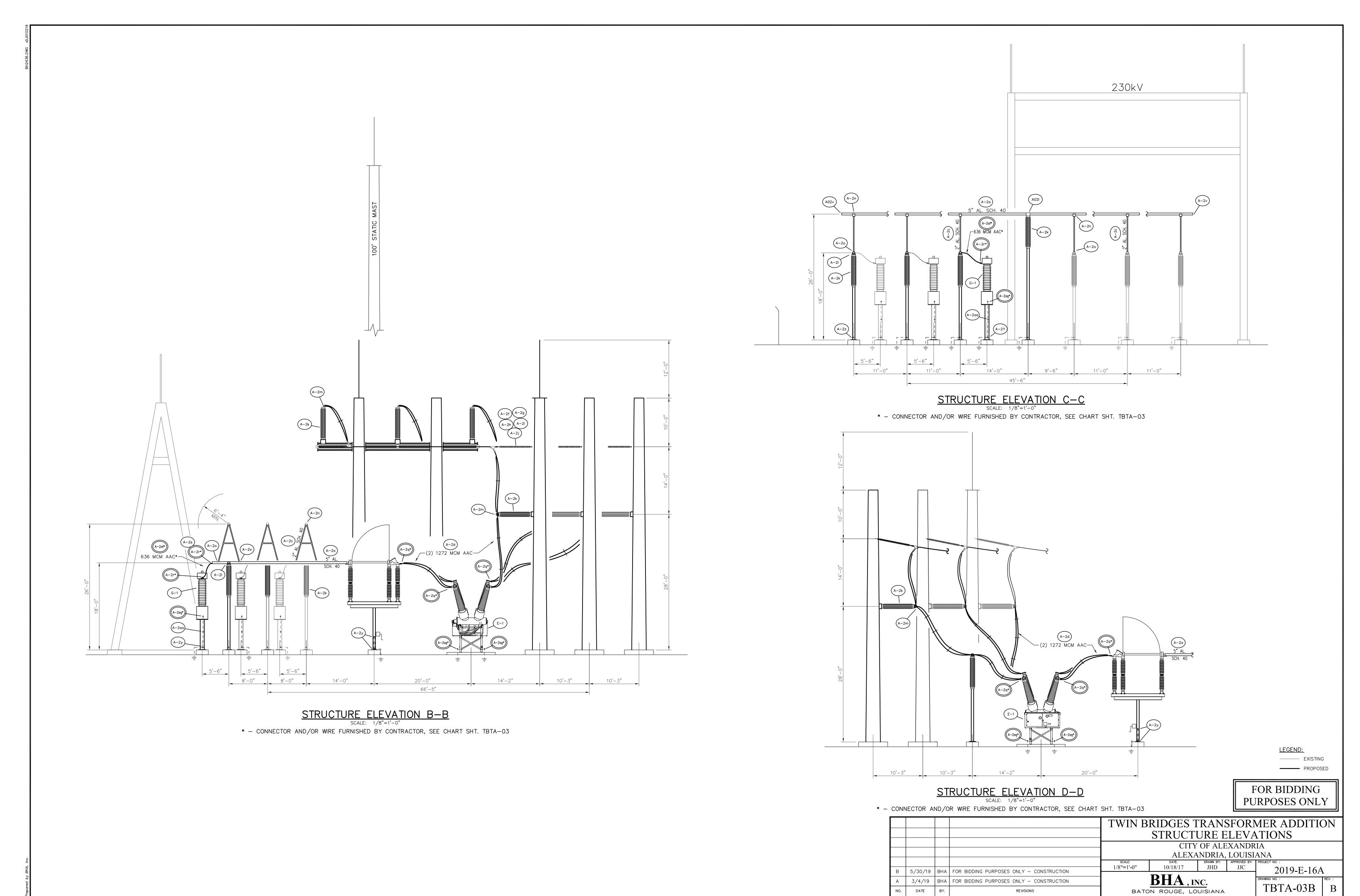
\* - CONNECTOR AND/OR WIRE FURNISHED BY CONTRACTOR, SEE CHART SHT. TBTA-03

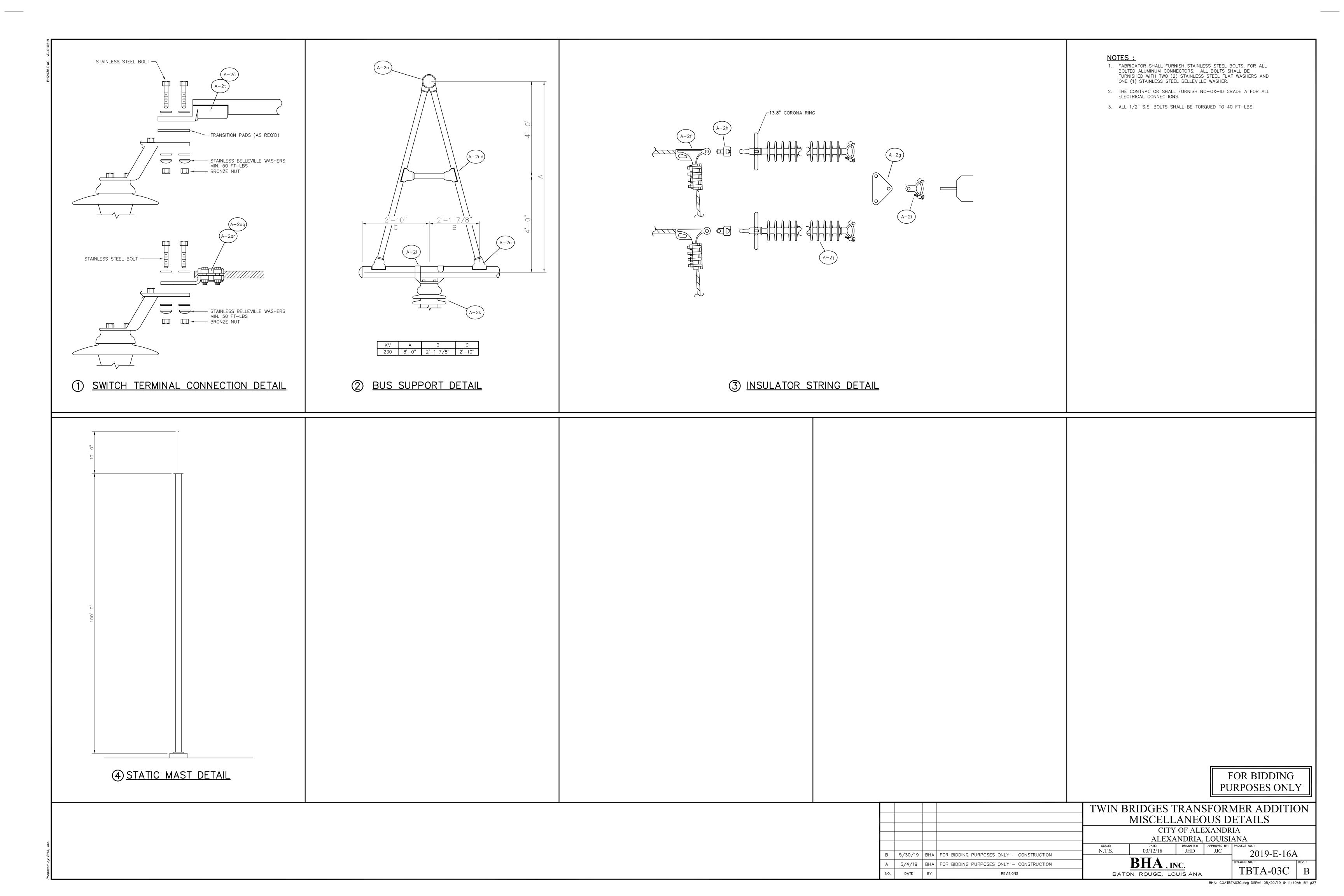
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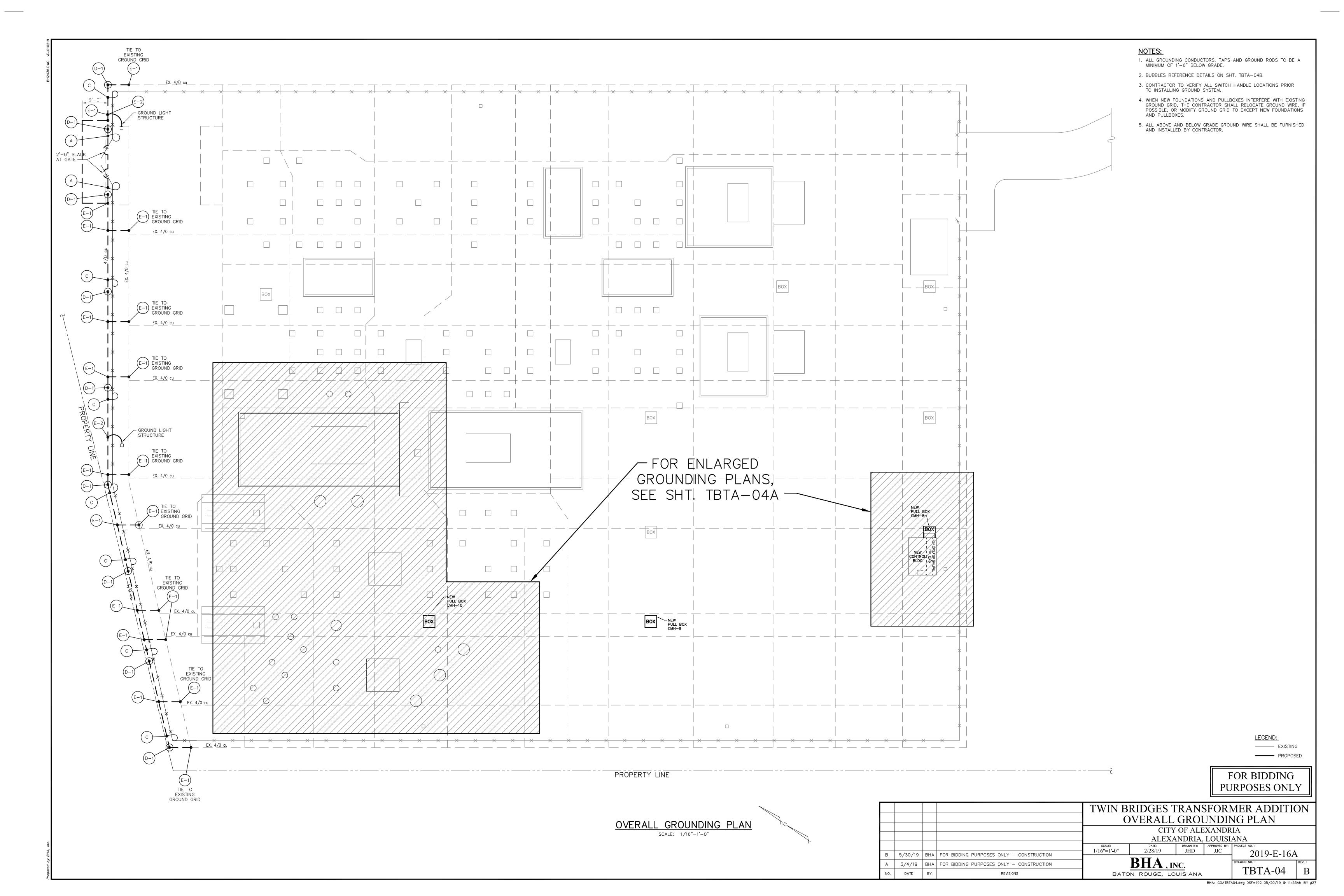
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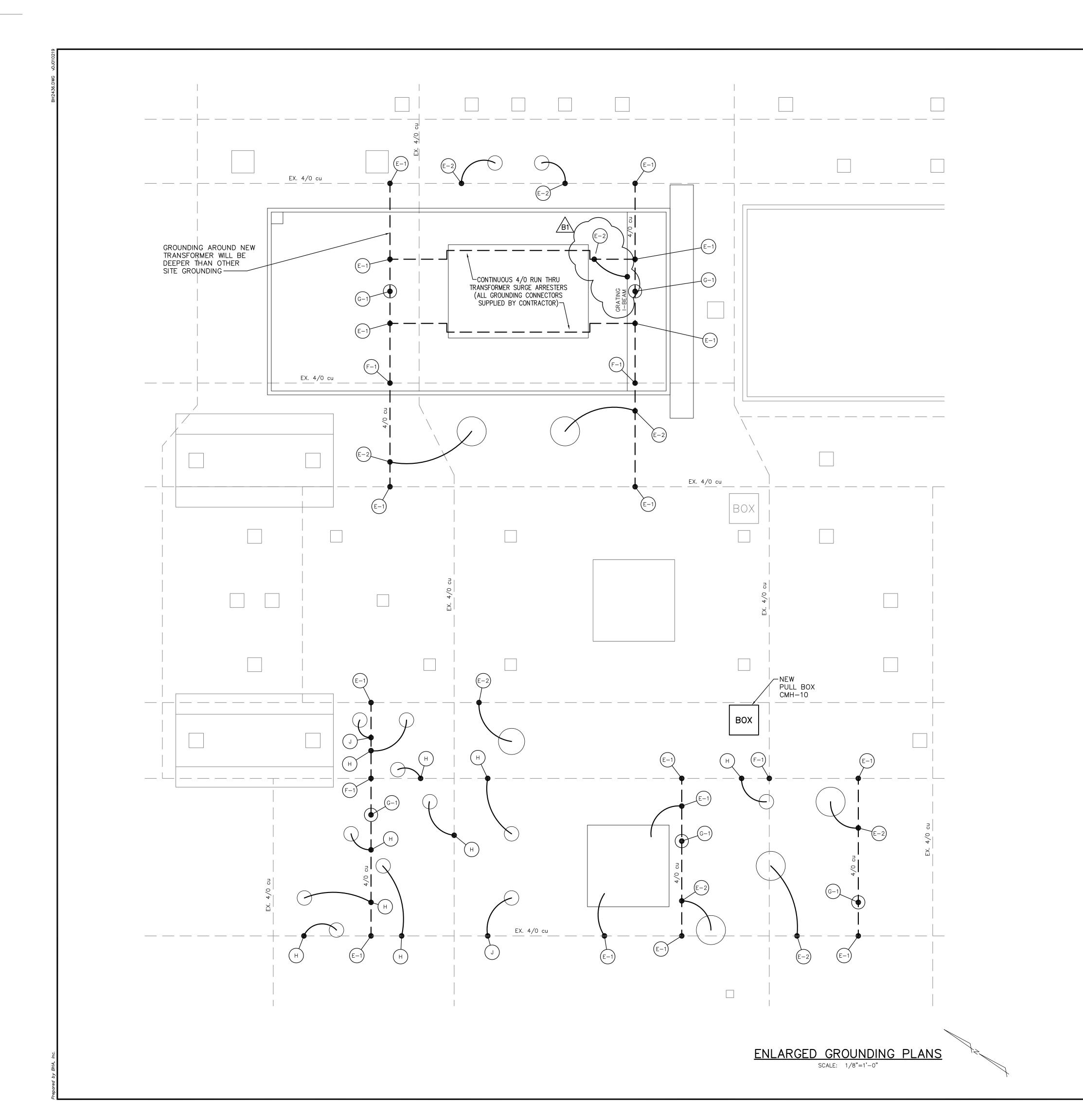
FOR BIDDING PURPOSES ONLY

				TWIN BRIDGES TRANSFORMER ADDITION STRUCTURE ELEVATIONS						
				CITY OF ALEXANDRIA  ALEXANDRIA, LOUISIANA  SCALE: DATE: DRAWN BY: T APPROVED BY: T PROJECT NO.:						
В	5/30/19	BHA	FOR BIDDING PURPOSES ONLY — CONSTRUCTION	1/8"=1'-0"	10/18/17	JHD	JJC	2019-E-16 <i>A</i>	4	
A	3/4/19		FOR BIDDING PURPOSES ONLY — CONSTRUCTION	-	BHA, INC.				REV. :	
NO	. DATE	BY.	REVISIONS	BATON ROUGE, LOUISIANA TBTA-03					В	

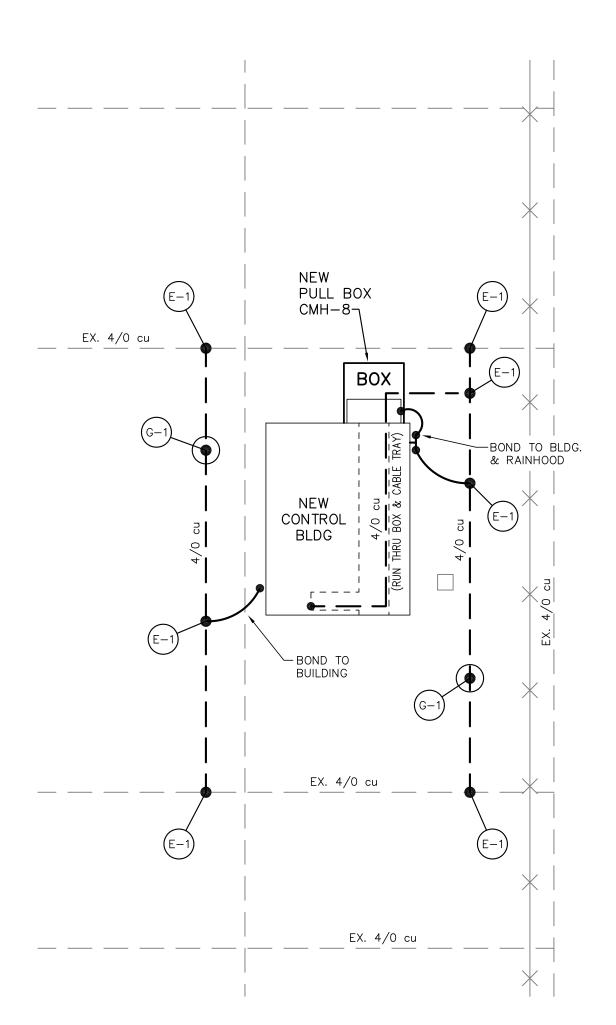








- ALL GROUNDING CONDUCTORS, TAPS AND GROUND RODS TO BE A MINIMUM OF 1'-6" BELOW GRADE.
- 2. BUBBLES REFERENCE DETAILS ON SHT. TBTA-04B.
- 3. CONTRACTOR TO VERIFY ALL SWITCH HANDLE LOCATIONS PRIOR TO INSTALLING GROUND SYSTEM.
- 4. WHEN NEW FOUNDATIONS AND PULLBOXES INTERFERE WITH EXISTING GROUND GRID, THE CONTRACTOR SHALL RELOCATE GROUND WIRE, IF POSSIBLE, OR MODIFY GROUND GRID TO EXCEPT NEW FOUNDATIONS AND PULLBOXES.
- 5. ALL ABOVE AND BELOW GRADE GROUND WIRE SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.



<u>LEGEND:</u> ---- EXISTING

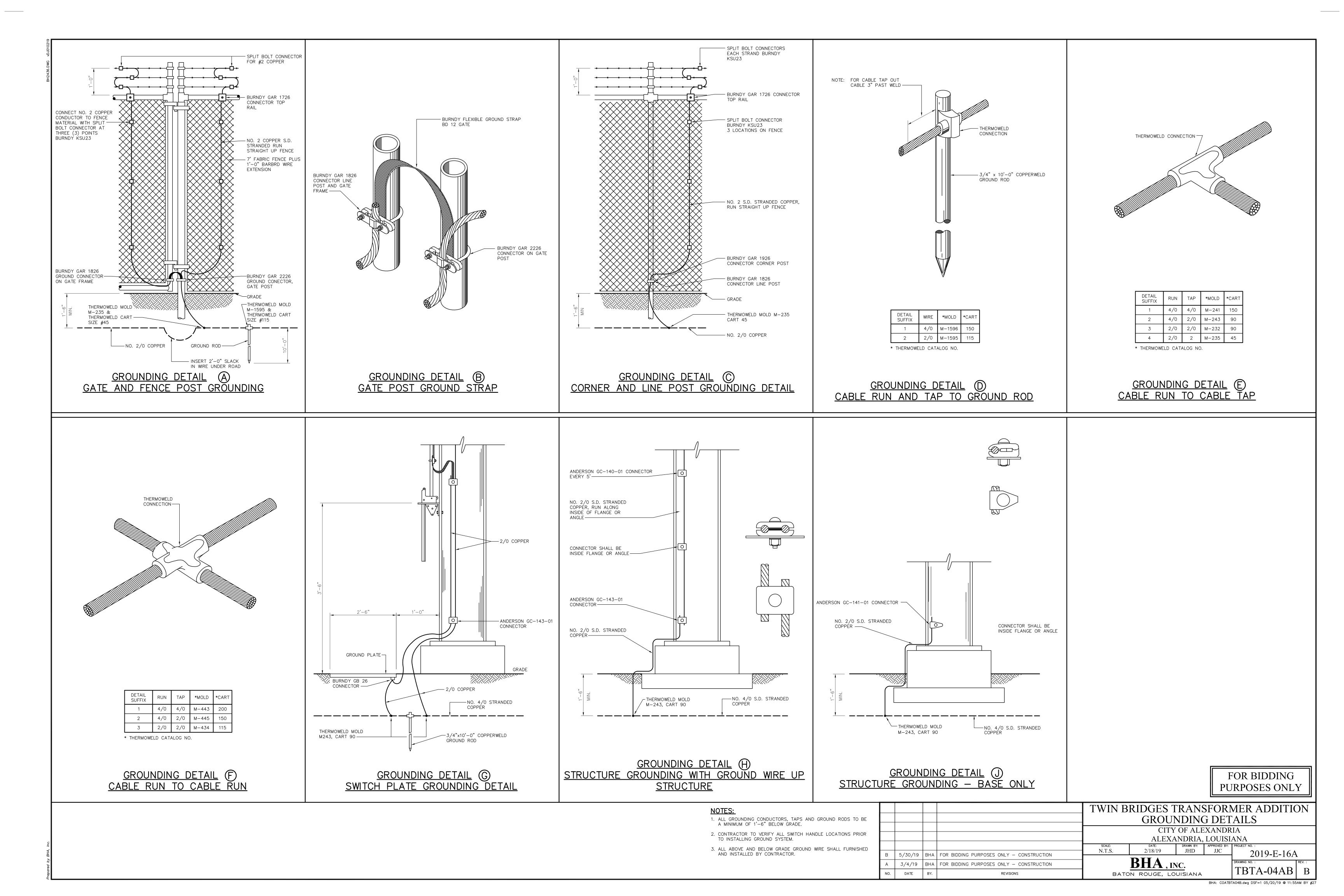
FOR BIDDING PURPOSES ONLY

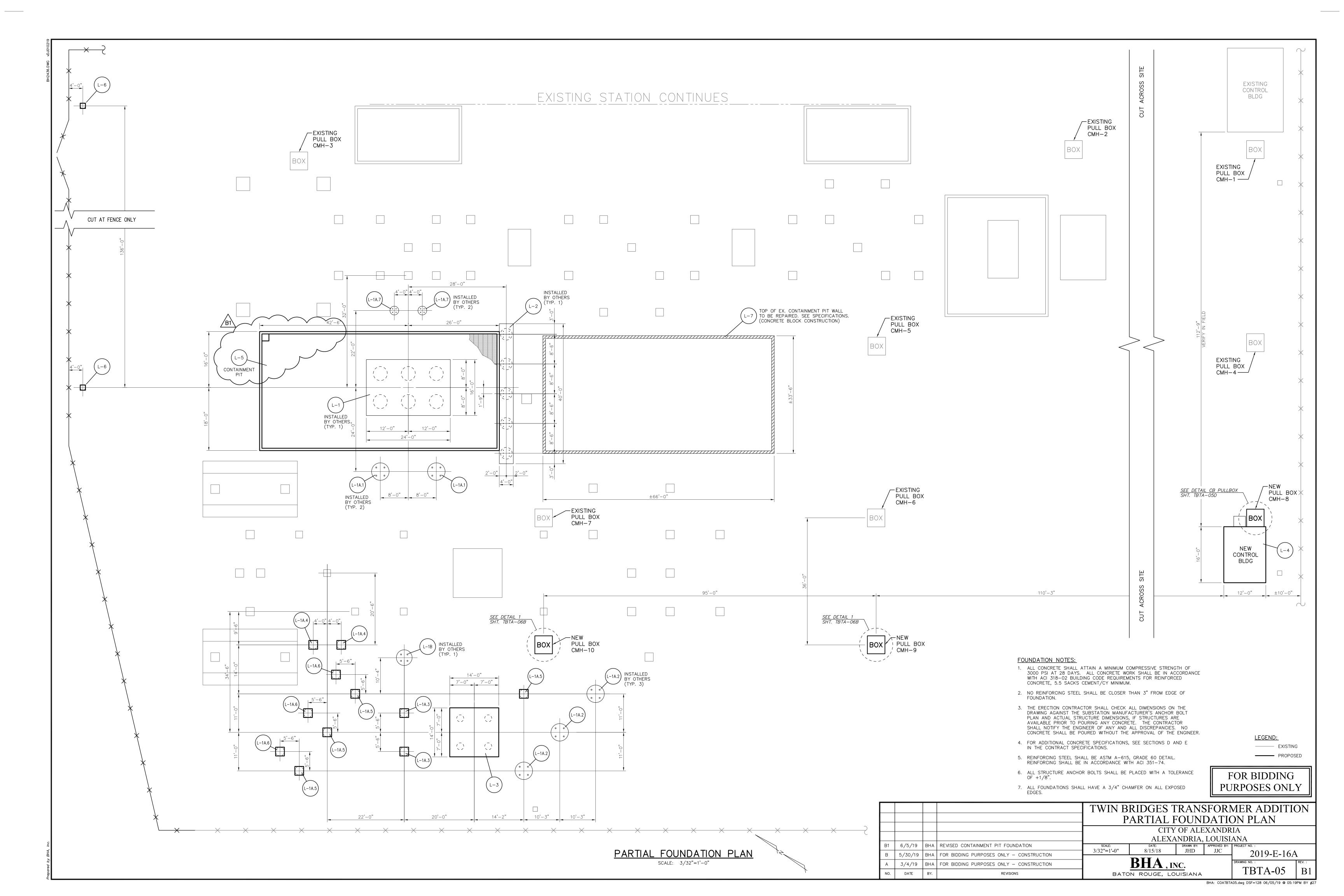
TWIN BRIDGES TRANSFORMER ADDITION ENLARGED GROUNDING PLANS CITY OF ALEXANDRIA
ALEXANDRIA, LOUISIANA

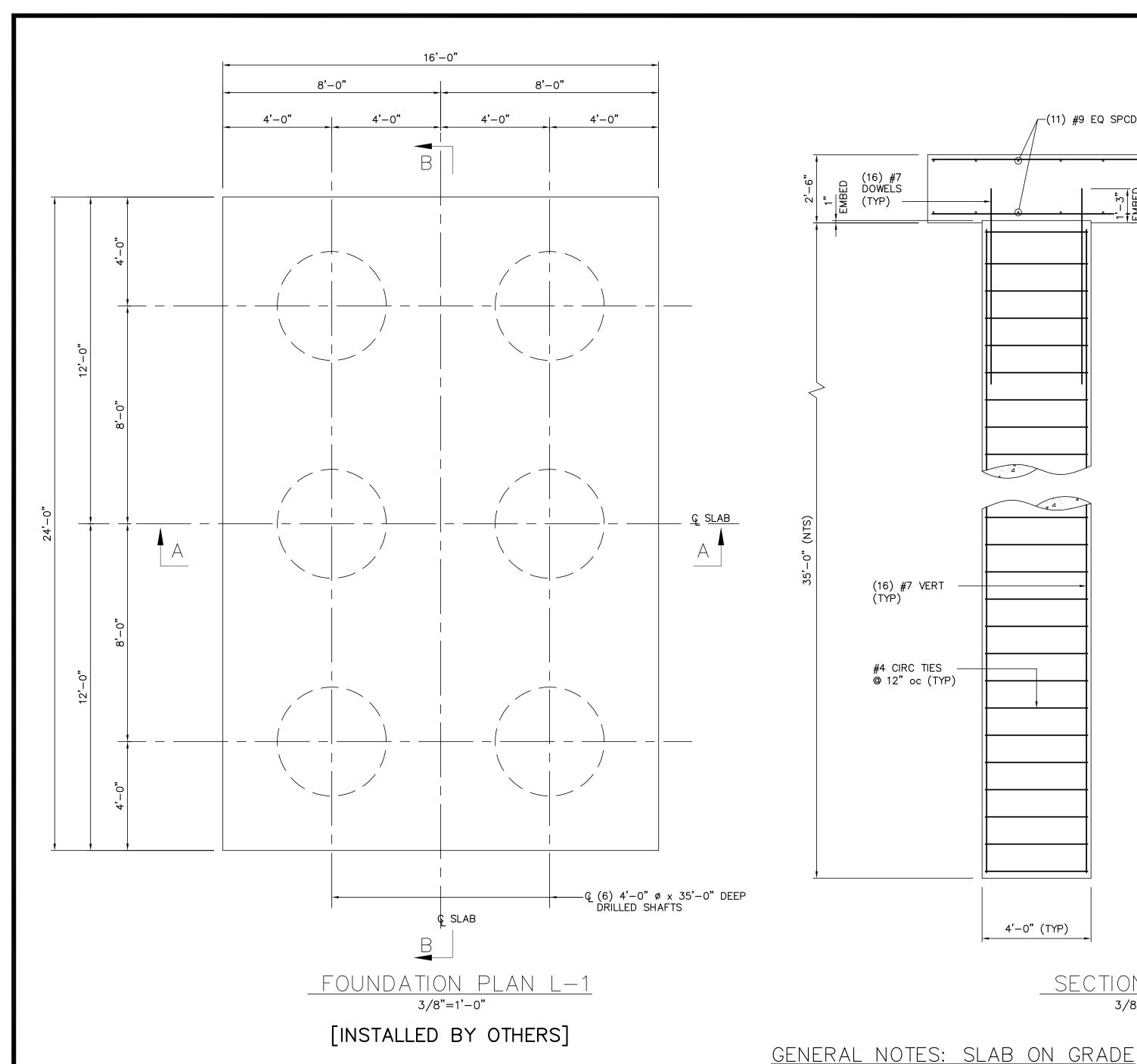
DATE: DRAWN BY: APPROVED BY: PROJECT NO.
01/02/18 JHD JJC 6/5/19 BHA ADDED GROUNDING FOR GRATING SUPPORT I-BEAM scale: 1/8"=1'-0" 2019-E-16A 5/30/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION BHA, INC.
BATON ROUGE, LOUISIANA 3/4/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION

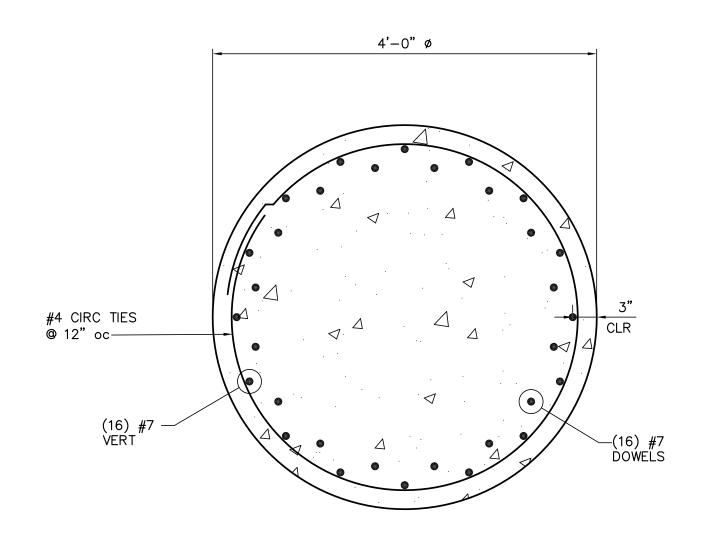
REVISIONS

DATE

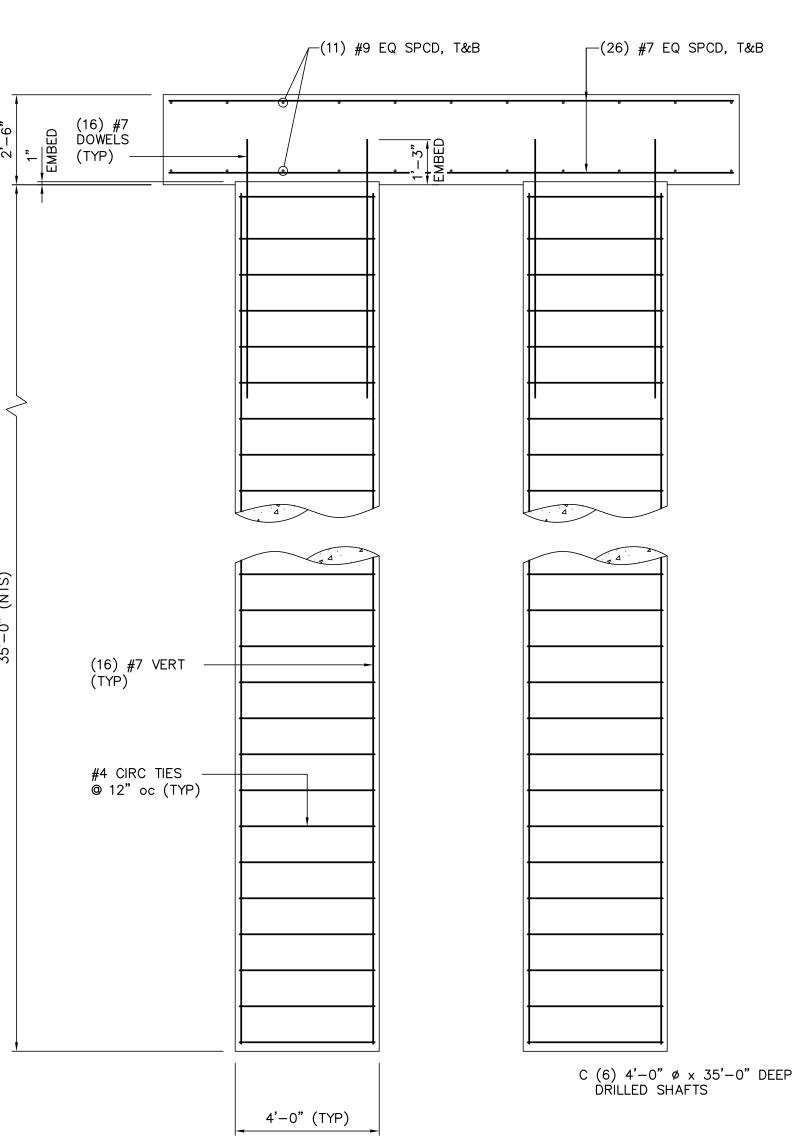


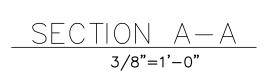






TYPICAL DRILLED SHAFT SECTION





1. THESE PLANS ARE TO BE ONLY FOR THE LOCATION BELOW:

2. THE CONCRETE MIX SHOULD YIELD A MINIMUM COMPRESSIVE

STRENGTH OF 3500 psi AT 28 DAYS. CONCRETE DESIGN MIX

ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A613

( GRADE 60 ). REINFORCING STEEL SHALL BE DETAILED, AND

ACI MANUAL OF STANDARD PRACTICE FOR DETAILING

4. REINFORCEMENT SHALL HAVE 3" COVER IN THE GRADE BEAM

COVER IN THE SLAB TOP AND BOTTOMS, UNLESS NOTED

5. 1 LAYER(S) POLYETHYLENE VAPOR BARRIER SHALL BE PLACED

VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE

8. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFF-SETS, BRICK LEDGES, AND BLOCK OUTS ON ARCHITECTURAL PLANS, AND

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION

OF THE STRUCTURAL DRAWINGS WITH ALL OTHER DRAWINGS.

NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.

6. BARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH

BOTTOMS, 2" COVER IN THE BEAM SIDES AND TOP, 1 1/2"

ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST "

SHALL BE IN ACCORDANCE WITH ACI-318 ( LATEST VERSION ).

TWIN BRIDGE ROAD

NO CHLORIDES SHALL BE ALLOWED.

REINFORCED CONCRETE STRUCTURES".

OTHERWISE.

PLACING.

UNDER ALL CONCRETE.

7. CONCRETE SHALL BE WELL CONSOLIDATED.

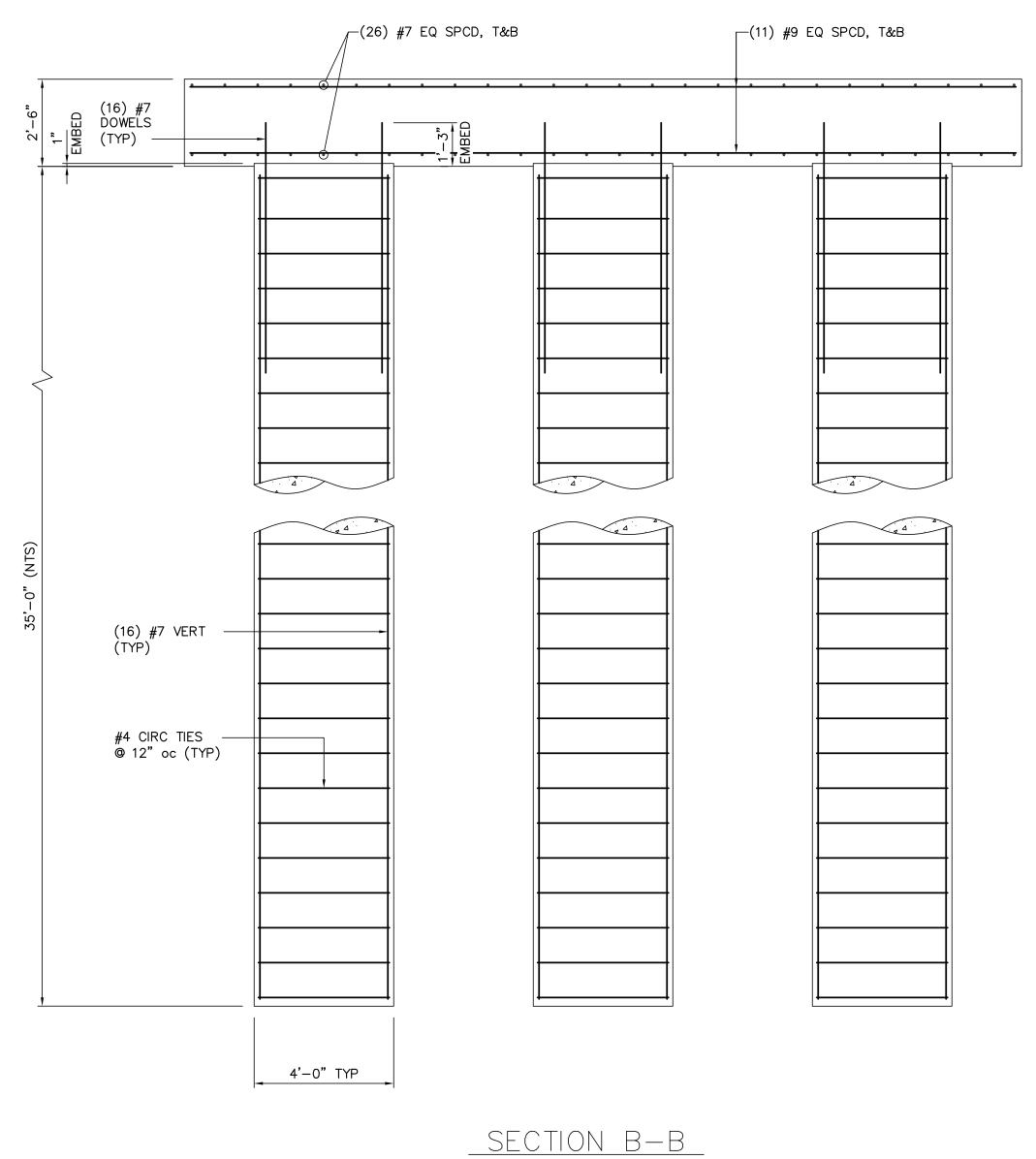
- 11. ALTERATION TO, OR DEVIATION FROM, THE INFORMATION SHOWN ON THIS SHEET WITHOUT THE WRITTEN ADVANCE APPROVAL FROM LANGLOIS ENGINEERING, INC. , WILL VOID DESIGNER'S RESPONSIBILITY.
- 12. THIS PLAN IS FOR GRADE BEAM LOCATION ONLY.
- 13. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 90% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
- TO PREVENT MATURATION OF THE SUB-BASE.
- PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.

16. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO

- 18. MAXIMUM OF 1 FEET OF FILL MAY BE PLACED ON THE SITE.
- 19. NO FIELD SUPERVISION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED. 29. EXTERIOR FOOTINGS WILL HAVE A

10. GRADE BEAM SIZES MAY VARY BY -10%, +20%

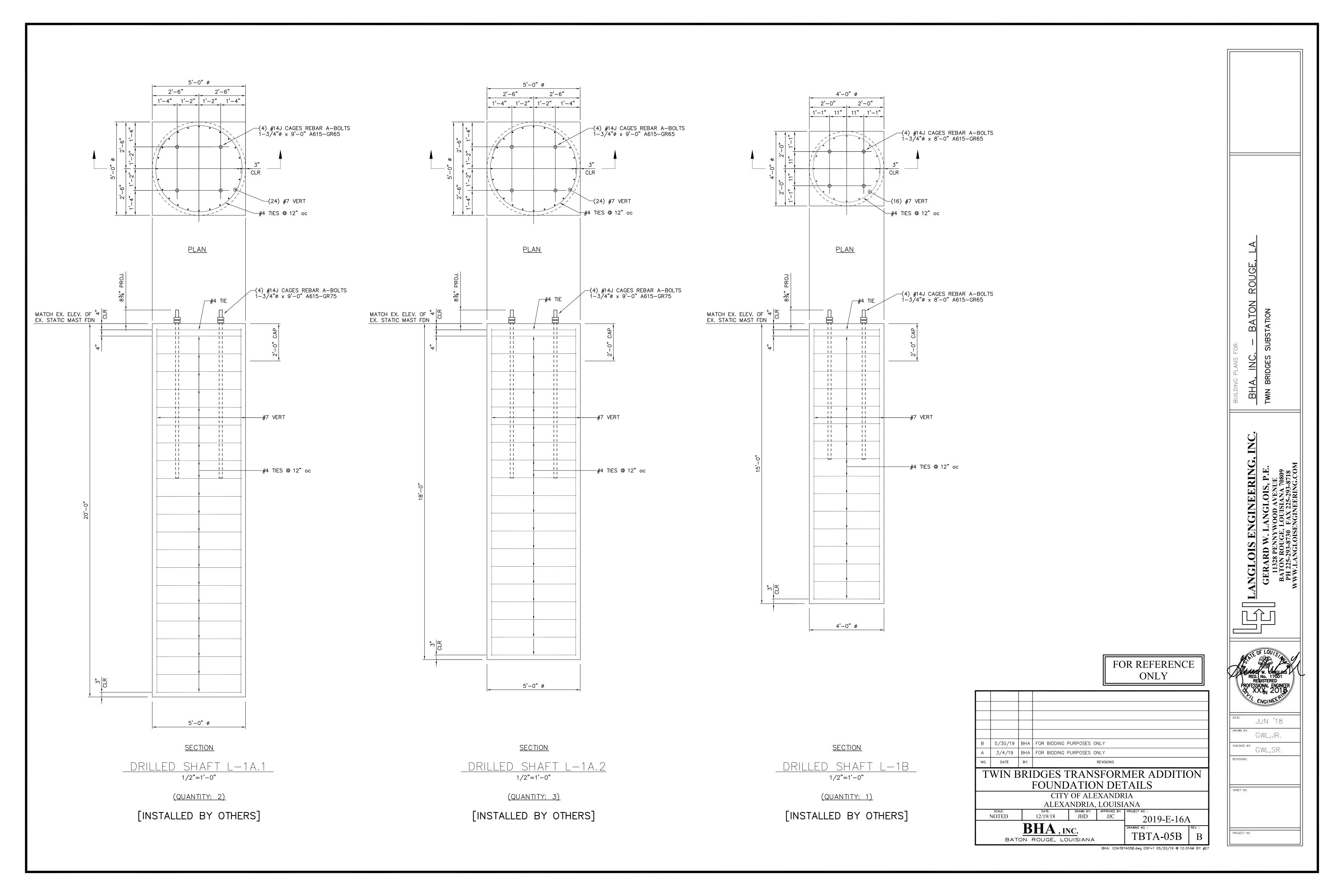
- 14. A MINIMUM OF 4" OF CONCRETE WILL BE MAINTAINED THROUGHOUT THE ENTIRE SLAB.
- 15. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB
- 17. REMOVE A MINIMUM OF 12" OF EXISTING SOIL AND ALL UNSTABLE SILT PRIOR TO PLACING ANY FILL.
- MAXIMUM DIFFERENTIAL FILL SHALL NOT EXCEED 20%.
- MINIMUM OF 12" WIDTH.



FOR REFERENCE ONLY

В	5/30/19	вна	FOR BIDDING PURPOSES ONLY - CONSTRUCTION				
Α	3/4/19	вна	FOR BIDDING PURPOSES ONLY - CONSTRUCTION				
NO.	DATE	BY.	REVISIONS				
T	WIN F	3R I	DGES TRANSFORMER ADDITION				
_	TRANSFORMER FOUNDATION PLAN & DETAILS						
TF	RANSF	'OR	MER FOUNDATION PLAN & DETAILS				
TF	RANSF	<u>'OR</u>	MER FOUNDATION PLAN & DETAILS CITY OF ALEXANDRIA				
TF	RANSF	<u>'OR</u>					
	SCALE: NOTED	OR T	CITY OF ALEXANDRIA				

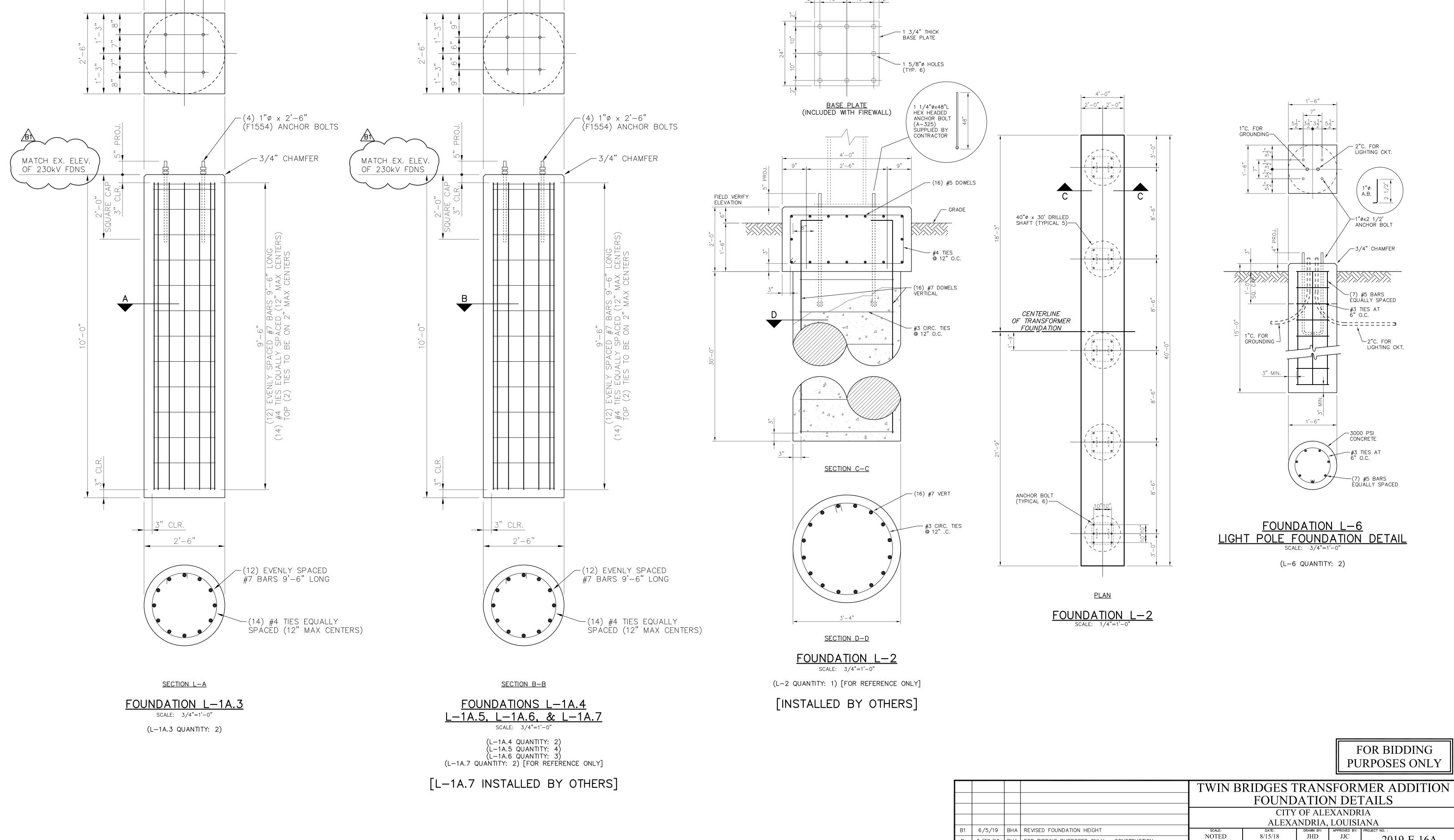
JUN '18 GWL,JR. GWL,SR.

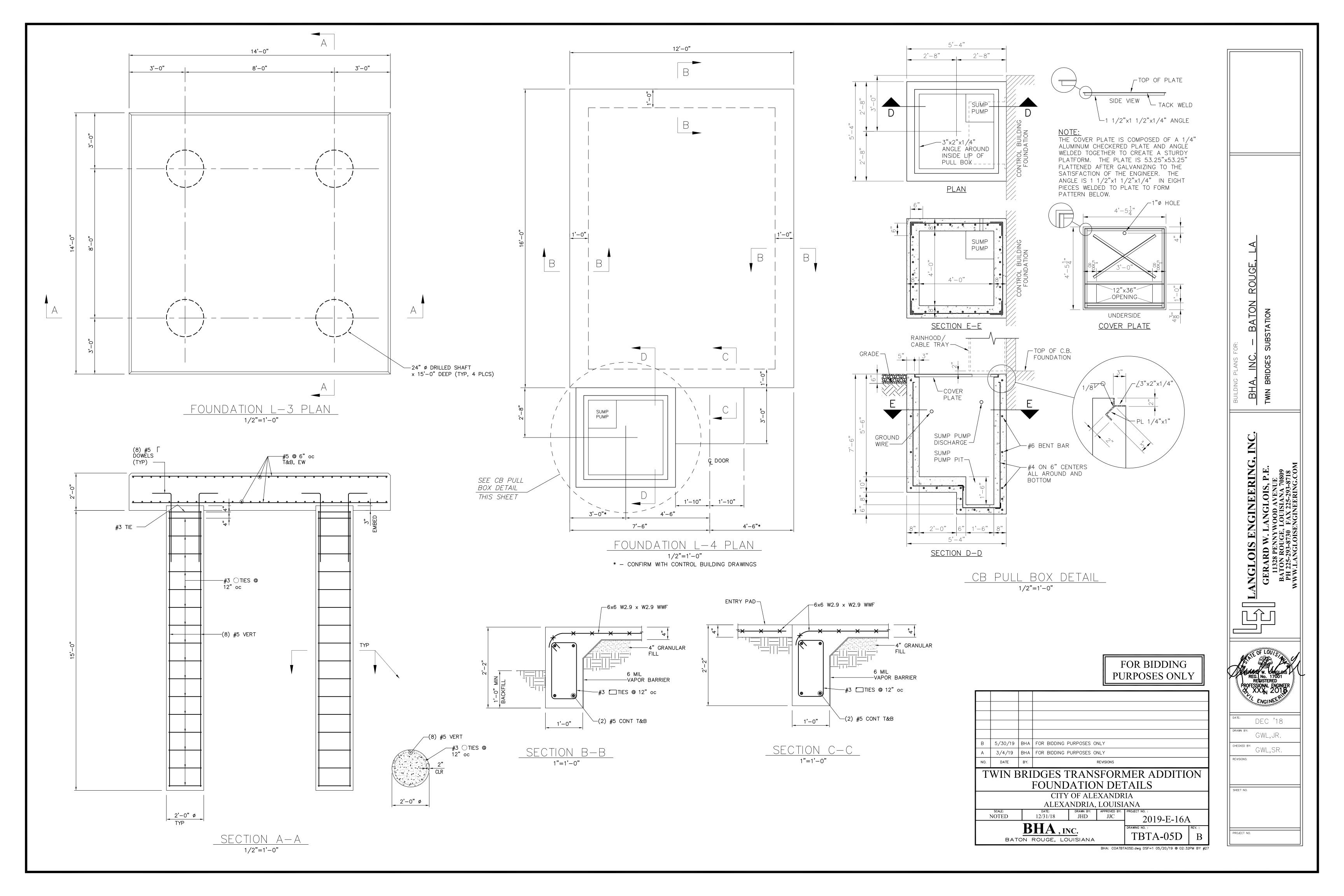


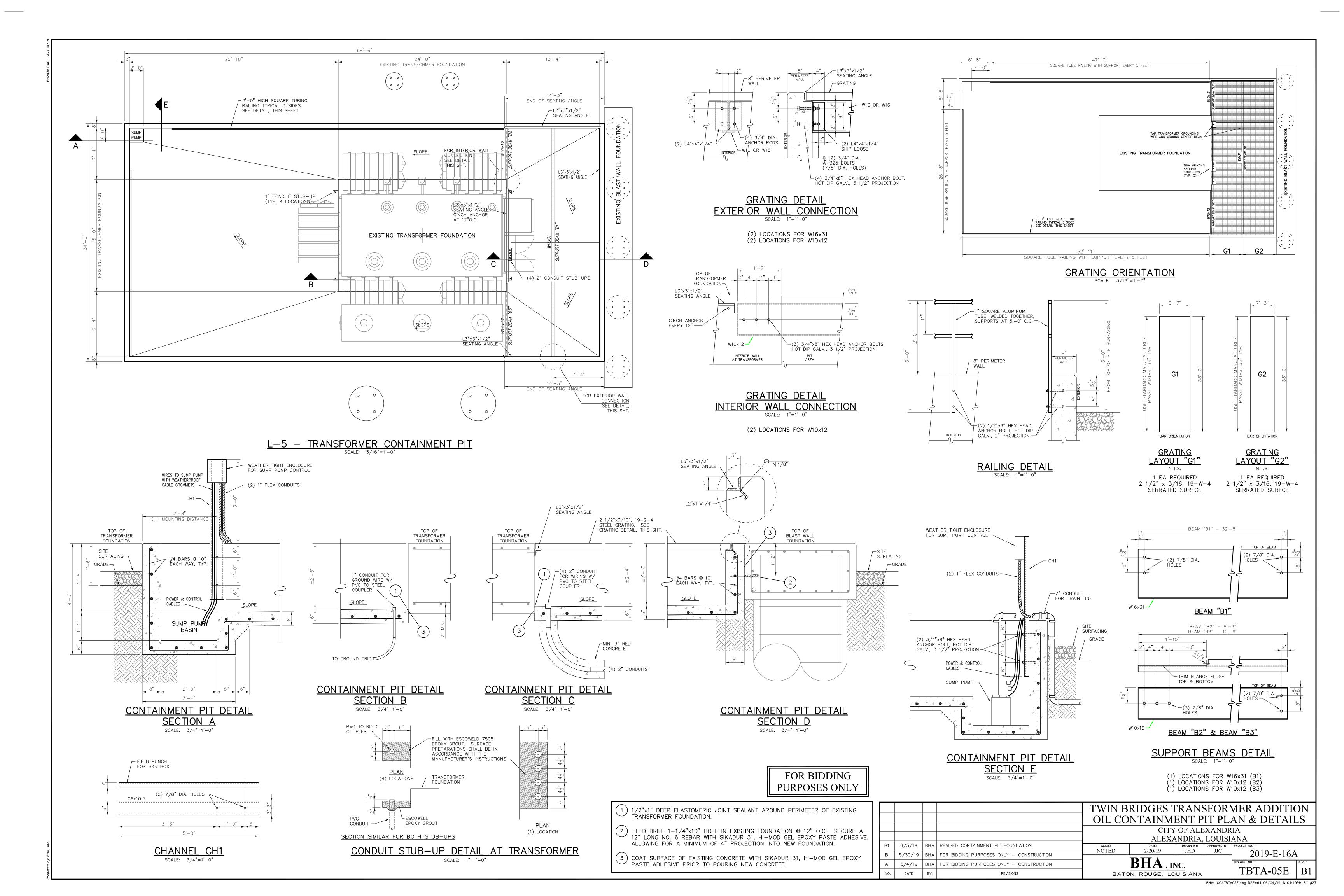
BHA: COATBTA05C.dwg DSF=16 06/04/19 @ 04:22PM BY #27

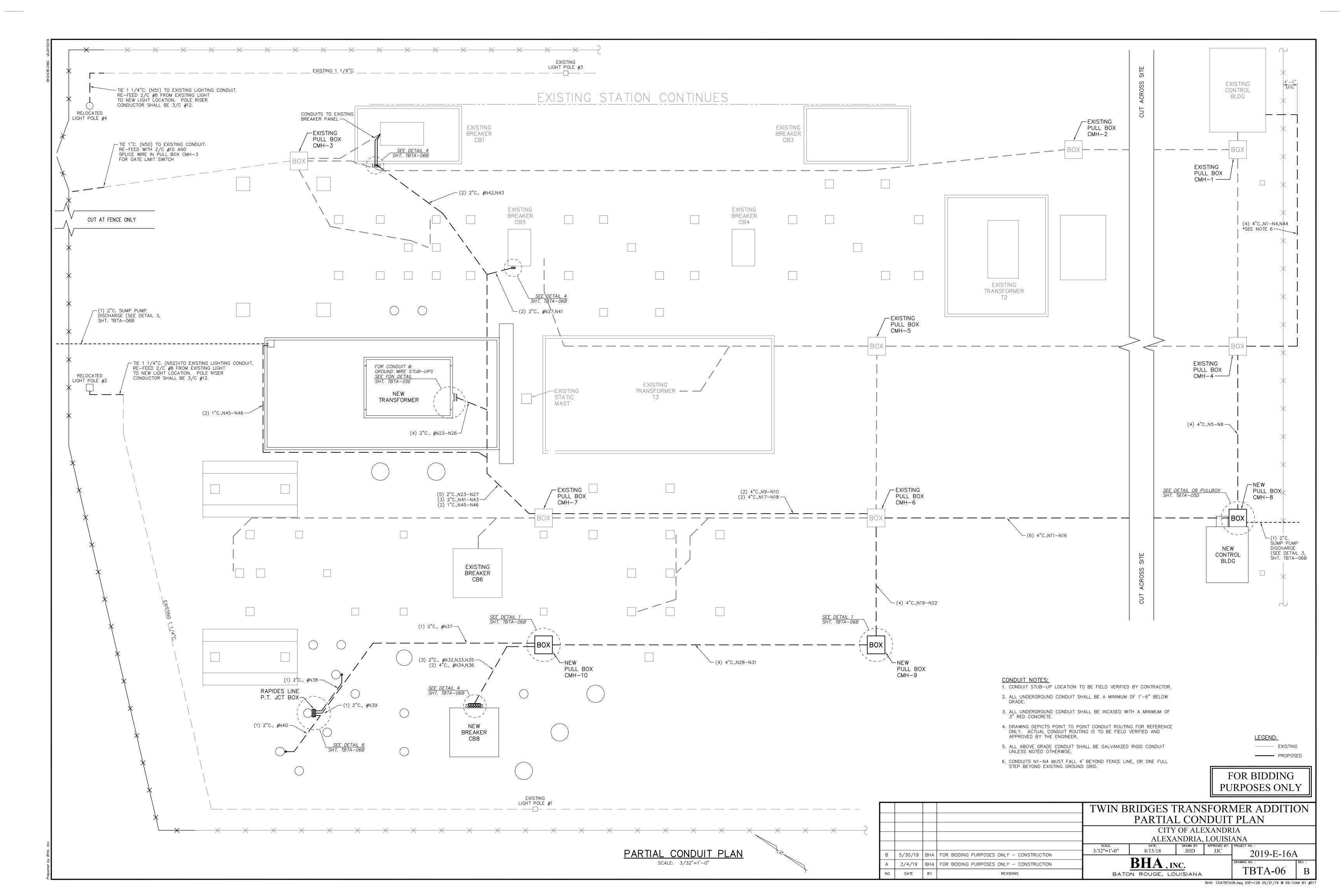
FOR BIDDING **PURPOSES ONLY** TWIN BRIDGES TRANSFORMER ADDITION FOUNDATION DETAILS CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA DATE: DRAWN BY: APPROVED BY: PROJECT N

8/15/18 JHD JJC 6/5/19 BHA REVISED FOUNDATION HEIGHT scale: NOTED 2019-E-16A 5/30/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION BHA, INC.
BATON ROUGE, LOUISIANA 3/4/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION TBTA-05C DATE REVISIONS









125V DC PANEL (NEW HOUSE) AT4 YARD CABINET CMH-8,N11,CMH-6,N9,CMH-7,N23 15A - AT4 DC SUPPLY 2/C #8 SH 2201S 3 - 1/C # 4/O 225V AC PANEL (OLD HOUSE) 225V AC PANEL (NEW HOUSE) N44,CMH-4,N6,CMH-8 200A – AC SUBPANEL SOURCE AT4 P1 & P2 PANEL (NEW HOUSE) 120V AC PANEL (NEW HOUSE) C-TRAY 1P/20A - AC SUPPLY 3/C #10 1P/20A - AC SUPPLY 3/C #10 120V AC PANEL (NEW HOUSE) CB8 CTRL PANEL (NEW HOUSE) 3/C #8 SH 230V AC PANEL (NEW HOUSE) CB8 YARD CABINET CMH-8,N12,CMH-6,N19,CMH-9,N28,CMH-10,N32 2P/35A - CB8 AC SUPPLY 2701S 3 - 1/C # 4/O SH 230V AC PANEL (NEW HOUSE) AT4 YARD CABINET CMH-8,N12,CMH-6,N10,CMH-7,N24 2P/150A - AT4 AC SUPPLY 2/C #10 SH | 120V AC PANEL (NEW HOUSE) CMH-8,N12,CMH-6,N19,CMH-9,N28,CMH-10,N37 RAPIDES LINE PT J-BOX 1P/5A - J-BOX HEATERS 3/C #10 SH | 120V AC PANEL (NEW HOUSE) PB8 SUMP PUMP PB8 SUMP PUMP POWER AT4 SUMP PUMP N45,CMH-7,N17,CMH-6,N16,CMH-8 AT4 SUMP PUMP POWER 3/C #10 SH 120V AC PANEL (NEW HOUSE) C-TRAY AT4 & CB8 TRIP, CLOSE, BFI AT4 P1 & P2 PANEL (NEW HOUSE) CB8 CTRL PANEL (NEW HOUSE) 12/C #10 TRIP AT4 P1 & P2 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 2R FOR CB1 BY OTHERS 5/C #10 AT4 P1 & P2 PANEL (NEW HOUSE) CB1 CTRL PANEL 2R (OLD HOUSE) CMH-8,N7,CMH-4,N3 AT4 P1 & P2 PANEL (NEW HOUSE) CB1 CTRL PANEL 2R/2F (OLD HOUSE) | CMH-8,N7,CMH-4,N3 TRIP, BLOCK CLOSE CB1 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 2R/2F FOR CB1 BY OTHERS 5/C #10 AT4 P1 & P2 PANEL (NEW HOUSE) CB1 CTRL PANEL 2R/2F (OLD HOUSE) CMH-8,N7,CMH-4,N3 BFI CB1 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 2R/2F FOR CB1 BY OTHERS 5/C #10 AT4 P1 & P2 PANEL (NEW HOUSE) CB5 CTRL PANEL 4 (OLD HOUSE) CMH-8,N6,CMH-4,N2 TRIP AT4 P1 & P2 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS 5/C #10 TRIP CB5 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS AT4 P1 & P2 PANEL (NEW HOUSE) CB5 CTRL PANEL 4 (OLD HOUSE) CMH-8,N6,CMH-4,N25/C #10 BLOCK CLOSE, BFI CB5 5/C #10 AT4 P1 & P2 PANEL (NEW HOUSE) CB5 CTRL PANEL 4 (OLD HOUSE) CMH-8,N6,CMH-4,N2 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS AT4 P1 & P2 PANEL (NEW HOUSE) CB8 CTRL PANEL (NEW HOUSE) C-TRAY AT4 LOWSIDE POT 5/C #10 AT4 P1 & P2 PANEL (NEW HOUSE) C-TRAY SEL-487E COMM SEL-C273A CB8 CTRL PANEL (NEW HOUSE) C-TRAY SEL-C273A AT4 P1 & P2 PANEL (NEW HOUSE) CB8 CTRL PANEL (NEW HOUSE) SEL-387 COMM AT4 P1 & P2 PANEL (NEW HOUSE) 12/C #18 CB8 CTRL PANEL (NEW HOUSE) C-TRAY ALARMS AT4 P1 CTs 5/C #10 SH CB8 YARD CABINET AT4 P1 & P2 PANEL (NEW HOUSE) N33,CMH-10,N29,CMH-9,N20,CMH-6,N13,CMH-8 5/C #10 SH CB1 YARD CABINET AT4 P1 CTs AT4 P1 & P2 PANEL (NEW HOUSE) N42,CMH-7,N17,CMH-6,N13,CMH-8 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB1 YARD CABINET BY OTHERS AT4 P1 & P2 PANEL (NEW HOUSE) AT4 P1 CTs CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB5 YARD CABINET BY OTHERS 5/C #10 SH CB5 YARD CABINET N41,CMH-7,N17,CMH-6,N13,CMH-8 AT4 P1 BKR STATUS 2/C #10 SH CB8 YARD CABINET AT4 P1 & P2 PANEL (NEW HOUSE) N34,CMH-10,N30,CMH-9,N21,CMH-6,N11,CMH-8 2/C #10 SH | CB1 YARD CABINET AT4 P1 & P2 PANEL (NEW HOUSE) AT4 P1 BKR STATUS CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB1 YARD CABINET BY OTHERS N43,CMH-7,N9,CMH-6,N16,CMH-8 AT4 P1 & P2 PANEL (NEW HOUSE) N27.CMH-7.N9.CMH-6.N11.CMH-8 AT4 P1 BKR STATUS CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB5 YARD CABINET BY OTHERS 2/C #10 SH CB5 YARD CABINET 2/C #10 SH CB8 YARD CABINET AT4 P1 & P2 PANEL (NEW HOUSE) N34,CMH-10,N30,CMH-9,N21,CMH-6,N11,CMH-8 AT4 P2 BKR STATUS CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB1 YARD CABINET BY OTHERS 2/C #10 SH | CB1 YARD CABINET N43,CMH-7,N9,CMH-6,N16,CMH-8 AT4 P2 BKR STATUS AT4 P1 & P2 PANEL (NEW HOUSE) CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN CB5 YARD CABINET BY OTHERS 2/C #10 SH CB5 YARD CABINET AT4 P2 BKR STATUS N27,CMH-7,N9,CMH-6,N11,CMH-8 AT4 P1 & P2 PANEL (NEW HOUSE) 2/C #10 SH AT4 P1 & P2 PANEL (NEW HOUSE) AT4 YARD CABINET CMH-8,N14,CMH-6,N9,CMH-7,N23 AT4 NON-ELEC DC SUPPLY AT4 P1 & P2 PANEL (NEW HOUSE) AT4 SUDDEN PRESSURE AT4 YARD CABINET CMH-8,N14,CMH-6,N9,CMH-7,N23 2/C #10 SH 2/C #10 SH AT4 P1 & P2 PANEL (NEW HOUSE) AT4 YARD CABINET AT4 NEUTRAL CT CMH-8,N13,CMH-6,N17,CMH-7,N25 5/C #10 SH AT4 P1 & P2 PANEL (NEW HOUSE) AT4 YARD CABINET CMH-8,N13,CMH-6,N17,CMH-7,N25 AT4 HIGH-SIDE CT 5/C #10 SH AT4 P1 & P2 PANEL (NEW HOUSE) AT4 YARD CABINET CMH-8,N13,CMH-6,N17,CMH-7,N25 AT4 LOW-SIDE CT 2/C #10 SH AT4 YARD CABINET AT4 NON-ELEC RELAYING AT4 P1 & P2 PANEL (NEW HOUSE) N23,CMH-7,N9,CMH-6,N14,CMH-8 9/C #10 SH RAPIDES LINE PT J-BOX AT4 P1 & P2 PANEL (NEW HOUSE) N37,CMH-10,N28,CMH-9,N19,CMH-6,N12,CMH-8 X-WINDING POT TRIP, BLOCK CLOSE, BFI CB8 CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS 12/C #10 CB8 CTRL PANEL (NEW HOUSE) CB6 CTRL PANEL (OLD HOUSE) CMH-8,N6,CMH-4,N2

CONDUIT & WIRE SCHEDULE

USE

100A - DC SUBPANEL SOURCE #1

30A - AT4 DC SOURCE #1

30A - AT4 DC SOURCE #2

30A - CB8 DC SOURCE #1

30A - CB8 DC SOURCE #2

NOTES

ROUTE

N1,CMH-4,N5,CMH-8

N1,CMH-4,N5,CMH-8

N1,CMH-4,N5,CMH-8

C-TRAY

CABLE | CONDUCTOR |

SIZE

2/C #8

2/C #8

2/C #8

2/C #8

1101S | 2 - 1/C # 4/O | 125V DC PANEL B (OLD HOUSE)

FROM

125V DC PANEL (NEW HOUSE)

125V DC PANEL B (OLD HOUSE)

125V DC PANEL (NEW HOUSE)

125V DC PANEL B (OLD HOUSE)

CB8 CTRL PANEL (NEW HOUSE)

12/C #10

12/C #10

12/C #10

2/C #10

4404R

4405R

CB6 CTRL PANEL (OLD HOUSE)

CB5 CTRL PANEL 4 (OLD HOUSE)

CB5 CTRL PANEL 4 (OLD HOUSE)

CB5 CTRL PANEL 4 (OLD HOUSE)

CMH-8,N6,CMH-4,N2

CMH-8,N6,CMH-4,N2

CMH-8,N6,CMH-4,N2

CMH-8,N6,CMH-4,N2

TO

125V DC PANEL (NEW HOUSE)

AT4 P1 & P2 PANEL (NEW HOUSE)

AT4 P1 & P2 PANEL (NEW HOUSE)

CB8 CTRL PANEL (NEW HOUSE)

CB8 CTRL PANEL (NEW HOUSE)

FOR BIDDING PURPOSES ONLY

NOTE:
CONTRACTOR TO VERIFY PHASING WITH OWNER PRIOR TO WIRE TERMINATIONS

TRIP, BLOCK CLOSE, BFI CB6

BLOCK CLOSE CB8, TRIP, BFI CB5

TRIP, BFI CB8

BLOCK CLOSE CB5

B1 6/5/19 BHA ADDED NOTES FOR SCOPE OF CONTRACTOR TERMINATIONS

B 5/30/19 BHA FOR BIDDING PURPOSES ONLY — CONSTRUCTION

A 3/4/19 BHA FOR BIDDING PURPOSES ONLY — CONSTRUCTION

NO. DATE BY. REVISIONS

CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS

CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS

CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS

CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS

TWIN BRIDGES TRANSFORMER ADDITION
CONDUIT & WIRE SCHEDULES

CITY OF ALEXANDRIA
ALEXANDRIA, LOUISIANA

SCALE:
NONE
DATE:
2/2019
TJW
DRAWN BY:
TDT A OCA 1
REV. :
REV. :
TDT A OCA 1
REV.

BATON ROUGE, LOUISIANA

BHA: COATBTA06A1.dwg DSF=1 06/04/19 @ 04:24PM BY #27

TBTA-06A1 | B1

	CONDUIT & WIRE SCHEDULE										
CABLE NO.	CONDUCTOR SIZE	FROM	ТО	ROUTE	USE	NOTES					
4406R	12/C #10	CB8 CTRL PANEL (NEW HOUSE)	CB1 CTRL PANEL 2R/2F (OLD HOUSE)	CMH-8,N7,CMH-4,N3	TRIP, BLOCK CLOSE, BFI CB8	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN 2R/2F PANEL FOR CB1 BY OTHERS					
4407R	12/C #10	CB8 CTRL PANEL (NEW HOUSE)	CB1 CTRL PANEL 2R (OLD HOUSE)	CMH-8,N7,CMH-4,N3	TRIP, BLOCK CLOSE, BFI CB1	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON 2R PANEL FOR CB1 BY OTHERS					
4408R	12/C #10	CB8 CTRL PANEL (NEW HOUSE)	RAPIDES LINE TRIP PANEL 5 (OLD HOUSE)	CMH-8,N7,CMH-4,N3	TRIP, BLOCK CLOSE CB8	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON PANEL 5 BY OTHERS					
4409R	2/C #10	CB8 CTRL PANEL (NEW HOUSE)	BREAKER CB6 PANEL (OLD HOUSE)	CMH-8,N6,CMH-4,N2	BFI INITIATE CB8	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
4410R	5/C #10	CB8 CTRL PANEL (NEW HOUSE)	BREAKER CB6 PANEL (OLD HOUSE)	CMH-8,N6,CMH-4,N2	TRIP TC1, TC2 CB8	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
4411R	2/C #10	CB8 CTRL PANEL (NEW HOUSE)	RAPIDES LINE TRIP PANEL 5 (OLD HOUSE)	CMH-8,N6,CMH-4,N2	RAPIDES LINE TRANS TRIP SEND	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON PANEL 5 BY OTHERS					
4412M	SEL-C273A	CB8 CTRL PANEL (NEW HOUSE)	CB8 CTRL PANEL (NEW HOUSE)	C-TRAY	COMMUNICATIONS						
4413M	COAXIAL	CB8 CTRL PANEL (NEW HOUSE)	CB8 CTRL PANEL (NEW HOUSE)	C-TRAY	SATELLITE CLOCK						
4414P	5/C #10	BREAKER CB5 CTRL PNL 4 (OLD HOUSE)	AT4 P1 & P2 PANEL (NEW HOUSE)	N4,CMH-4,N8,CMH-8	AT4 LOWSIDE POT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 PANEL, TERMINATION IN PANEL 4 FOR CB5 BY OTHERS					
4601S	2/C #8 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N34	CB8 TC1 DC SUPPLY						
4602R	5/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N34	CB8 TC1						
4604S	2/C #4 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N34	CB8 MOTOR DC SUPPLY						
4605S	2/C #8 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N34	CB8 CLOSE DC SUPPLY						
4606R	5/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N34	CB8 CLOSE						
4607R	2/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N36	CB8 BKR STATUS						
4608S	2/C #8 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N36	CB8 TC2 DC SUPPLY						
4609R	5/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N36	CB8 TC2						
4610R	2/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N14,CMH-6,N21,CMH-9,N30,CMH-10,N36	CB8 GREEN LIGHT IND						
4611C	5/C #10 SH	CB8 CTRL PANEL (NEW HOUSE)	CB8 YARD CABINET	CMH-8,N13,CMH-6,N20,CMH-9,N29,CMH-10,N33	CB8 CTRL CT						
4612C	5/C #10 SH	CB8 YARD CABINET	BREAKER CB6 PANEL (OLD HOUSE)	N33,CMH-10,N29,CMH-9,N20,CMH-6,N13,CMH-8,N8,CMH-4,N4	RAPIDES LINE PRIMARY RELAY CT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON BREAKER CB8, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
4613C	5/C #10 SH	CB8 YARD CABINET	BREAKER CB6 PANEL (OLD HOUSE)	N33,CMH-10,N29,CMH-9,N20,CMH-6,N13,CMH-8,N8,CMH-4,N4	RAPIDES LINE BACKUP RELAY CT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON BREAKER CB8, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS A					
4614M	SEL-C273AF	CB8 YARD CABINET	CB8 CTRL PANEL (NEW HOUSE)	N35,CMH-10,N31,CMH-9,N22,CMH-6,N15,CMH-8	COMMUNICATIONS						
4615A	3/C #18 SH	CB8 YARD CABINET	CB8 CTRL PANEL (NEW HOUSE)	N36,CMH-10,N48,CMH-9,N29,CMH-6,N16,CMH-8	RELAY FAILURE ALARM						
4616R	2/C #10 SH	CB8 YARD CABINET	BREAKER CB6 PANEL (OLD HOUSE)	N36,CMH-10,N30,CMH-9,N21,CMH-6,N16,CMH-8,N7,CMH-4,N3	52b CONTACT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON BREAKER CB8, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
4701M	SEL-C273AF	AT4 YARD CABINET	CB8 CTRL PANEL (NEW HOUSE)	N26,CMH-7,N18,CMH-6,N15,CMH-8	COMMUNICATIONS						
4702A	3/C #18 SH	AT4 YARD CABINET	CB8 CTRL PANEL (NEW HOUSE)	N23,CMH-7,N9,CMH-6,N16,CMH-8	RELAY FAILURE ALARM						
4801R	7/C #14	CB8 CTRL PANEL (NEW HOUSE)	SCADA RTU PANEL (OLD HOUSE)	CMH-8,N7,CMH-4,N3	CB8 SCADA CONTROLS	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON RTU PANEL BY OTHERS					
4802R	7/C #14	CB8 CTRL PANEL (NEW HOUSE)	SCADA RTU PANEL (OLD HOUSE)	CMH-8,N7,CMH-4,N3	CB8 AUTO/NON-ELEC RECL	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON RTU PANEL BY OTHERS					
4803A	7/C #18	CB8 CTRL PANEL (NEW HOUSE)	SCADA RTU PANEL (OLD HOUSE)	CMH-8,N7,CMH-4,N3	RTAC ALARM	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON CB8 PANEL, TERMINATION ON RTU PANEL BY OTHERS					
4901P	9/C #10 SH	RAPIDES LINE PT J-BOX	CB8 CTRL PANEL (NEW HOUSE)	N37,CMH-10,N28,CMH-9,N19,CMH-6,N12,CMH-8	Y-WINDING POT						
4902P	5/C #10 SH	RAPIDES LINE PT J-BOX	BREAKER CB6 PANEL (OLD HOUSE)	N37,CMH-10,N28,CMH-9,N19,CMH-6,N12,CMH-8,N8,CMH-4,N4	X-WINDING POT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON PT J-BOX, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
4903P	5/C #10 SH	RAPIDES LINE PT J—BOX	BREAKER CB6 PANEL (OLD HOUSE)	N37,CMH-10,N28,CMH-9,N19,CMH-6,N12,CMH-8,N8,CMH-4,N4	Y-WINDING POT	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON PT J-BOX, TERMINATION IN RAPIDES LINE PANEL FOR CB6 BY OTHERS					
7701C	5/C #10 SH	AT4 YARD CABINET	REVENUE MTR PANEL 7 (OLD HOUSE)	N23,CMH-7,N9,CMH-6,SPARE CONDUIT,CMH-5,SPARE CONDUIT,CMH-4,N4	METERING CTs	CONTRACTOR TO INSTALL CABLE AND TERMINATE ON AT4 CABINET, TERMINATION ON PANEL 7 BY OTHERS					
7901C	2/C #10 SH	AT4 YARD CABINET	AT4 AØ SLIPOVER METERING CT	N47A *FIELD VERIFY PHASING	AØ METERING CTs						
7902C	2/C #10 SH	AT4 YARD CABINET	AT4 BØ SLIPOVER METERING CT	N47B, N47A *FIELD VERIFY PHASING	BØ METERING CTs						
7903C	2/C #10 SH	AT4 YARD CABINET	AT4 CØ SLIPOVER METERING CT	N47C, N47B, N47A *FIELD VERIFY PHASING	CØ METERING CTs						
9401A	3/C #18 SH	AT4 SUMP PUMP	CB8 CTRL PANEL (NEW HOUSE)	N46,CMH-7,N17,CMH-6,N16,CMH-8	AT4 SUMP PUMP ALARMS						
9901P	9/C #10 SH	RAPIDES LINE PT J-BOX	RAPIDES LINE NODE AØ PT	N38	AØ POTENTIAL						
9902S	2/C #10 SH	RAPIDES LINE PT J—BOX	RAPIDES LINE NODE AØ PT	N38	AØ HEATERS						
9903P	9/C #10 SH	RAPIDES LINE PT J-BOX	RAPIDES LINE NODE BØ PT		BØ POTENTIAL						
9904S	2/C #10 SH	RAPIDES LINE PT J-BOX	RAPIDES LINE NODE BØ PT	N39	BØ HEATERS						
9905P	9/C #10 SH	RAPIDES LINE PT J-BOX	RAPIDES LINE NODE CØ PT	N40	CØ POTENTIAL						
9906S	2/C #10 SH	RAPIDES LINE PT J-BOX	RAPIDES LINE NODE CØ PT	N40	CØ HEATERS						
101A	2/C #10 3H	CMH-3	GATE CONTACT	N50	GATE ALARM						
101A	2/C #10	EXISTING LIGHT POLE #1	RELOCATED LIGHT POLE #2	N51	AREA LIGHTING						
103P	2/C #8	EXISTING LIGHT POLE #1	RELOCATED LIGHT POLE #2	N52	AREA LIGHTING						
1005	∠/∪ # <sup>0</sup>	LAISTING LIGHT FULE #3	NELOGATED LIGHT FOLE #4	INUZ	ANLA LIGITIINO						

FOR BIDDING PURPOSES ONLY

NOTE:

CONTRACTOR TO VERIFY PHASING WITH OWNER PRIOR TO WIRE TERMINATIONS

				T
B1	6/5/19	вна	ADDED NOTES FOR SCOPE OF CONTRACTOR TERMINATIONS	
В	5/30/19	ВНА	FOR BIDDING PURPOSES ONLY - CONSTRUCTION	
Α	3/4/19	ВНА	FOR BIDDING PURPOSES ONLY - CONSTRUCTION	
NO.	DATE	BY.	REVISIONS	

TWIN BRIDGES TRANSFORMER ADDITION
CONDUIT & WIRE SCHEDULES

CITY OF ALEXANDRIA
ALEXANDRIA, LOUISIANA

SCALE:
NONE
DATE:
2/2019
TJW
JJC
2019-E-16A

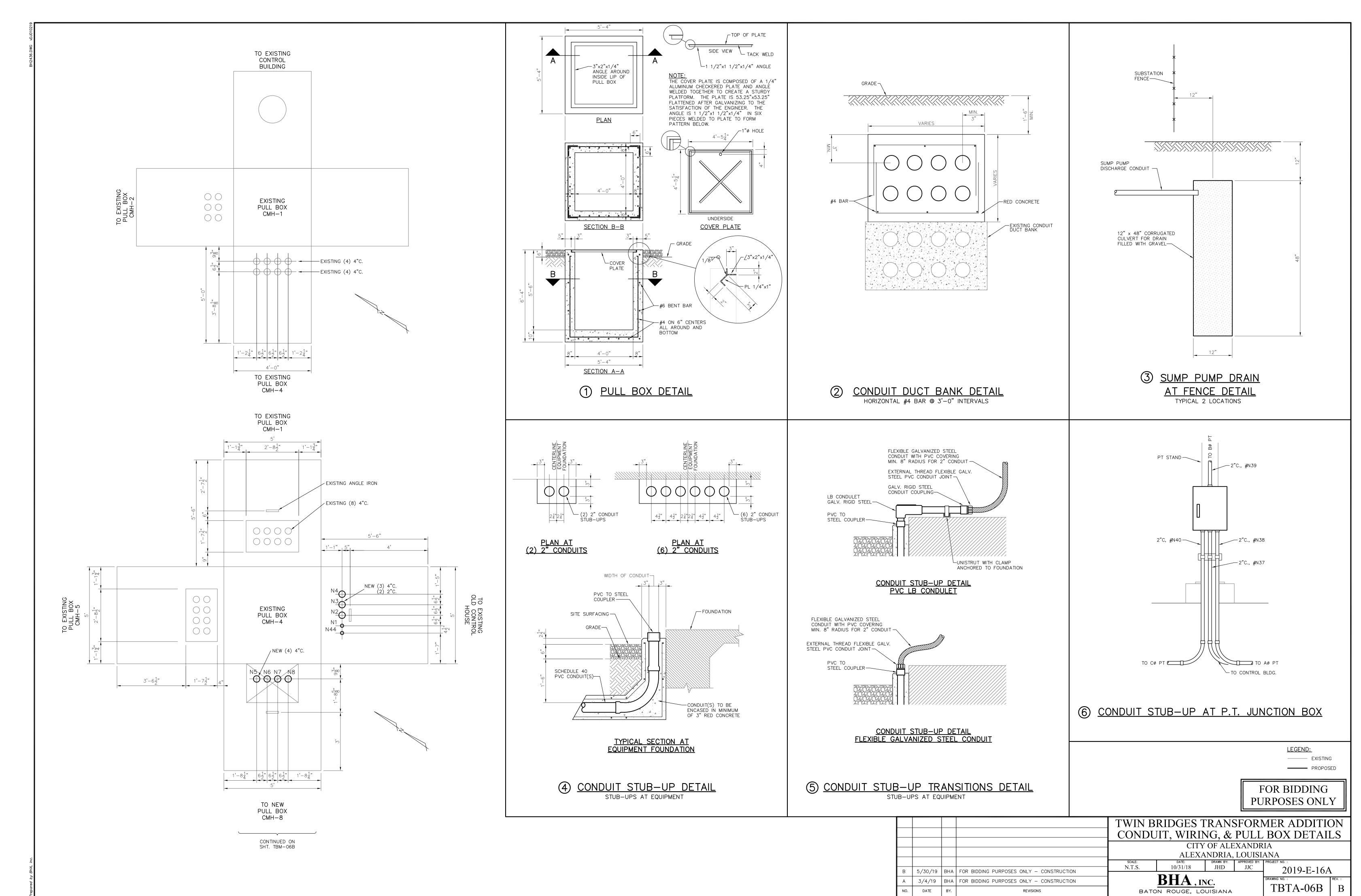
BHA, INC.

BATON ROUGE, LOUISIANA

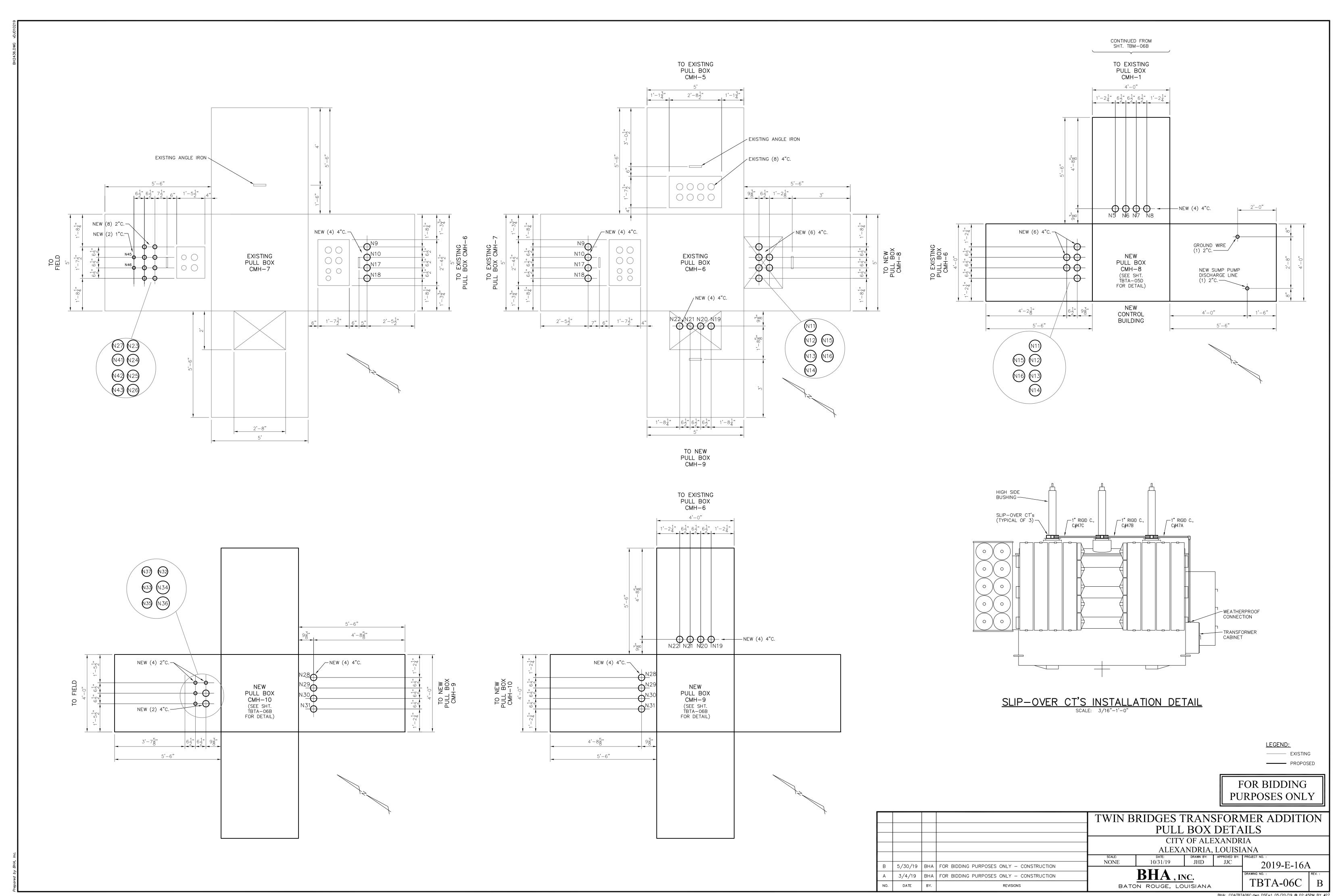
DRAWING NO.:

TBTA-06A2

B1



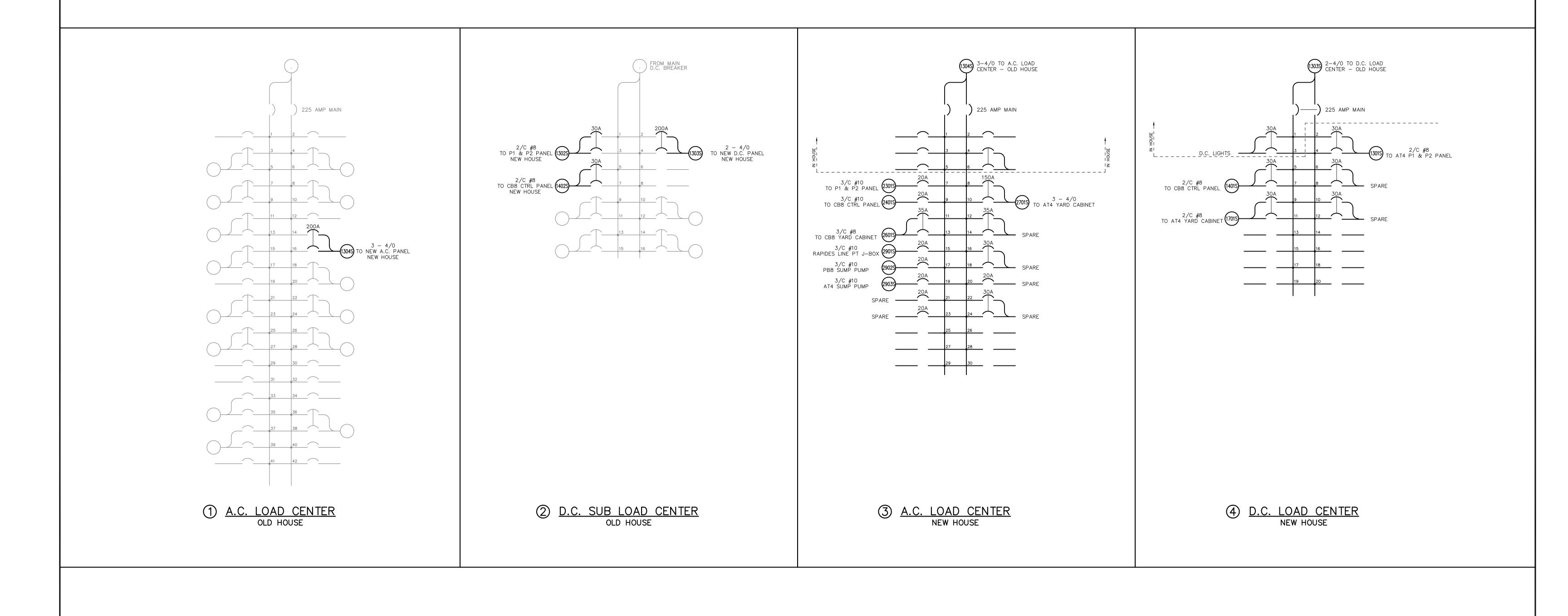
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BHA: COATBTA06C.dwg DSF=1 05/20/19 @ 02:45PM BY #27

OLD HOUSE A.C. & D.C. PANELS

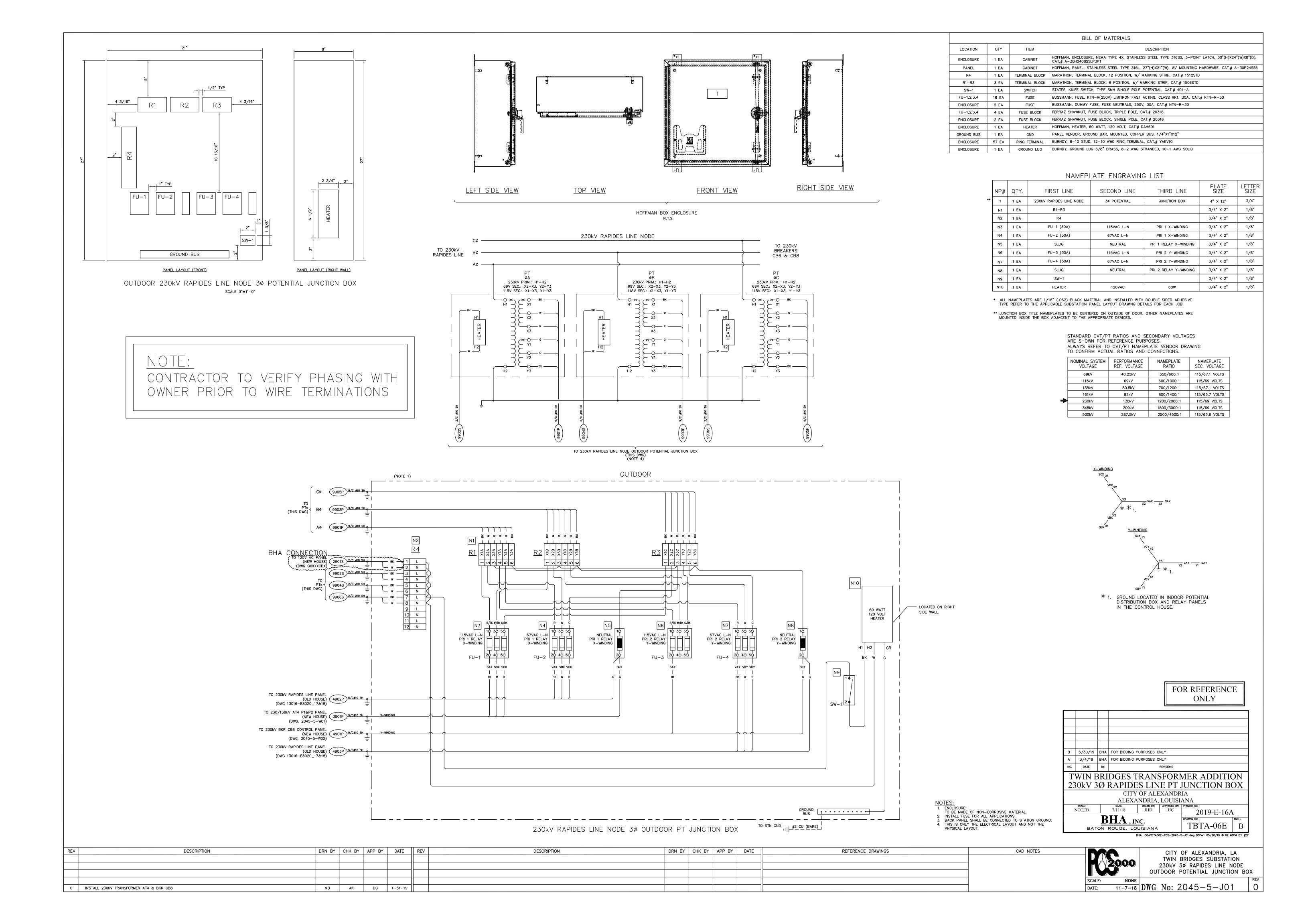
## NEW HOUSE A.C. & D.C. PANELS

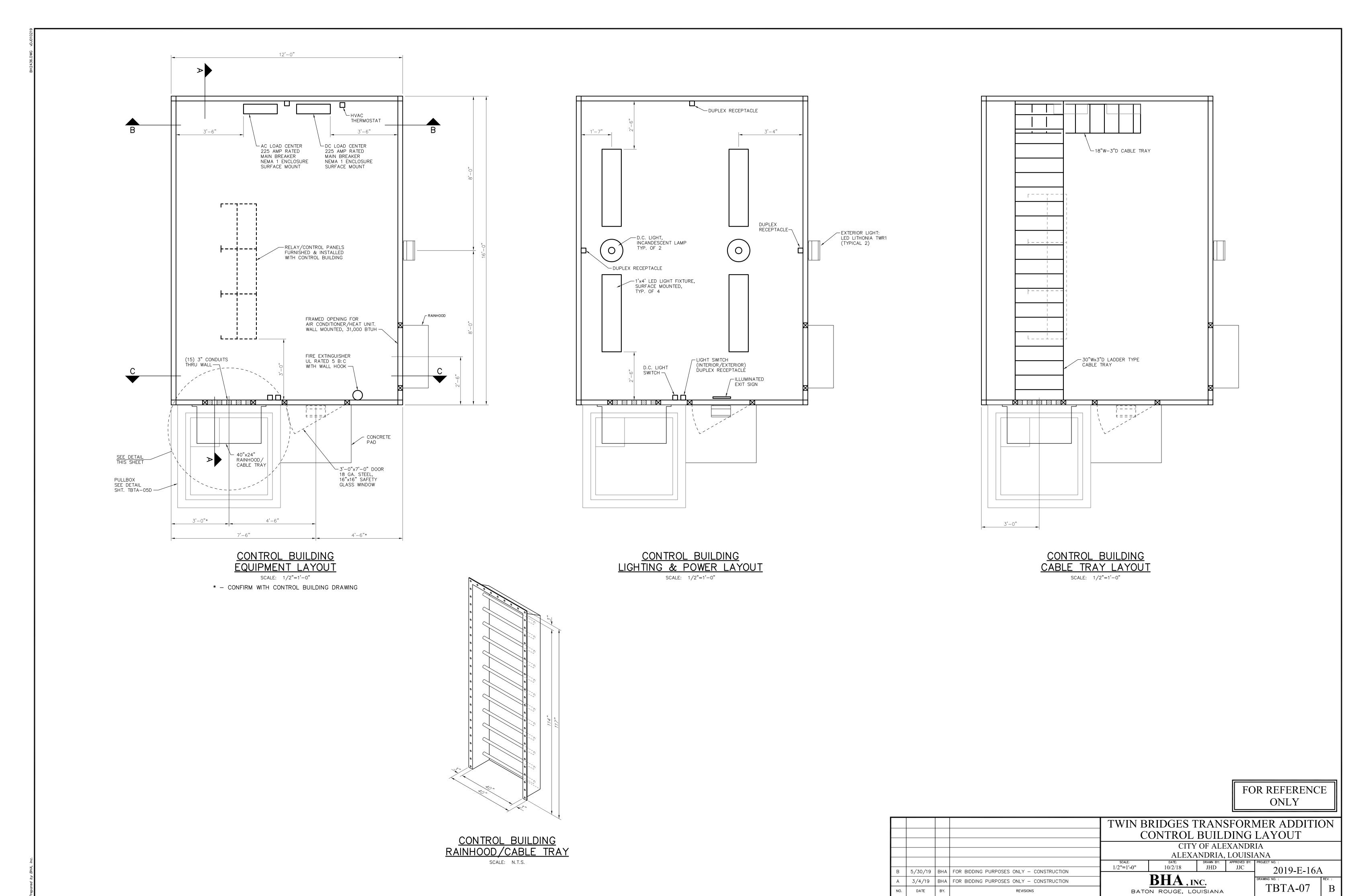


FOR BIDDING PURPOSES ONLY

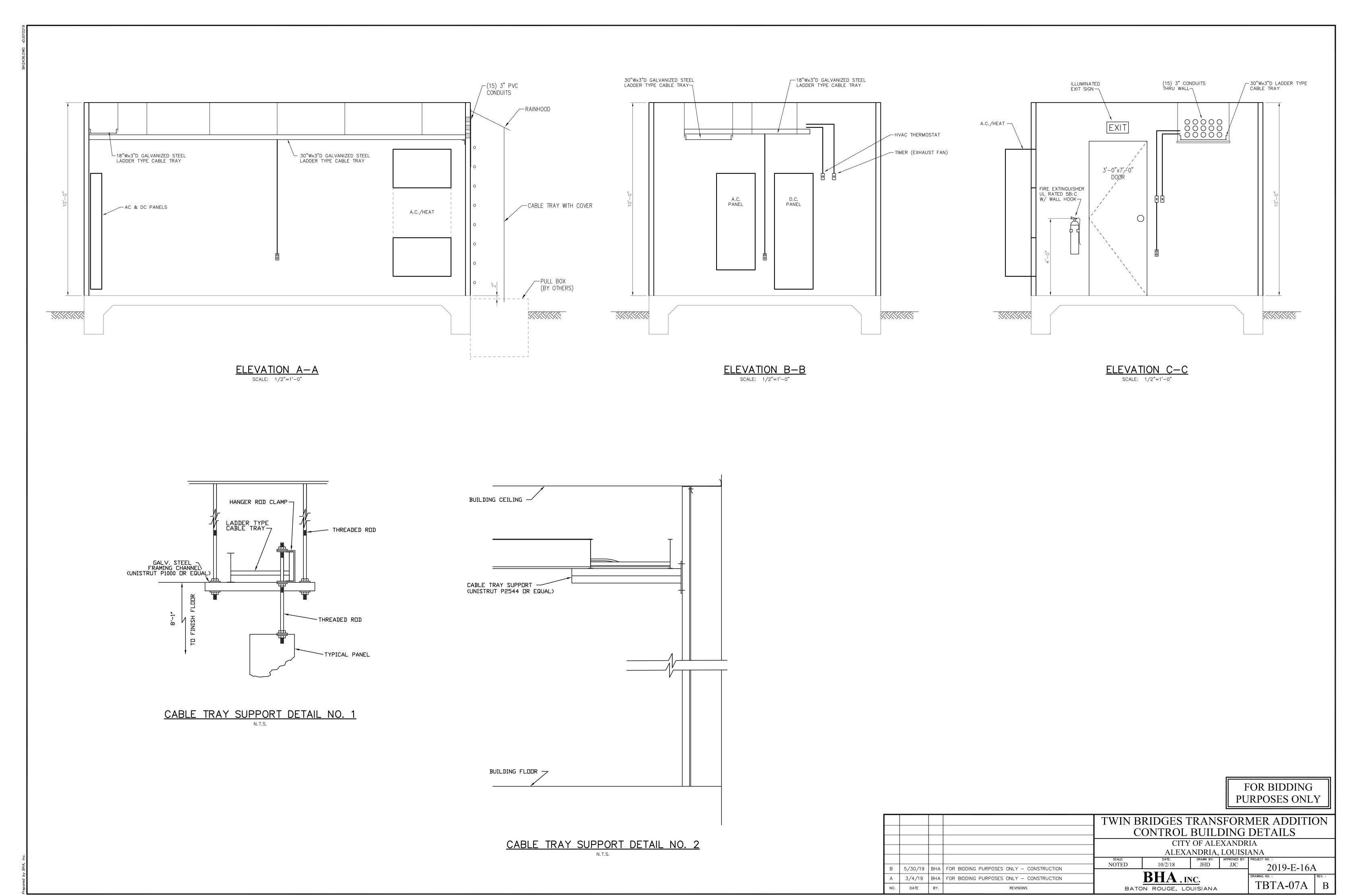
				TWIN B			SFORI PANE	MER ADDITION	ON		
				— CITY OF ALEXANDRIA — ALEXANDRIA, LOUISIANA							
	F /70 /10	DIIA	FOR RIDDING DURDOCES ONLY CONCERNATION	SCALE: N.T.S.	DATE: 2/18/19	DRAWN BY: JHD	APPROVED BY:  JJC	PROJECT NO. : 2019-E-16A	\		
<u>В</u>	3/4/19		FOR BIDDING PURPOSES ONLY — CONSTRUCTION  FOR BIDDING PURPOSES ONLY — CONSTRUCTION	-	BHA, INC.				REV. :		
NO.	DATE	BY.	REVISIONS	BATON ROUGE, LOUISIANA				TBTA-06D	B		

BHA: COATBTA06D.dwg DSF=1 05/21/19 @ 01:34PM BY #517

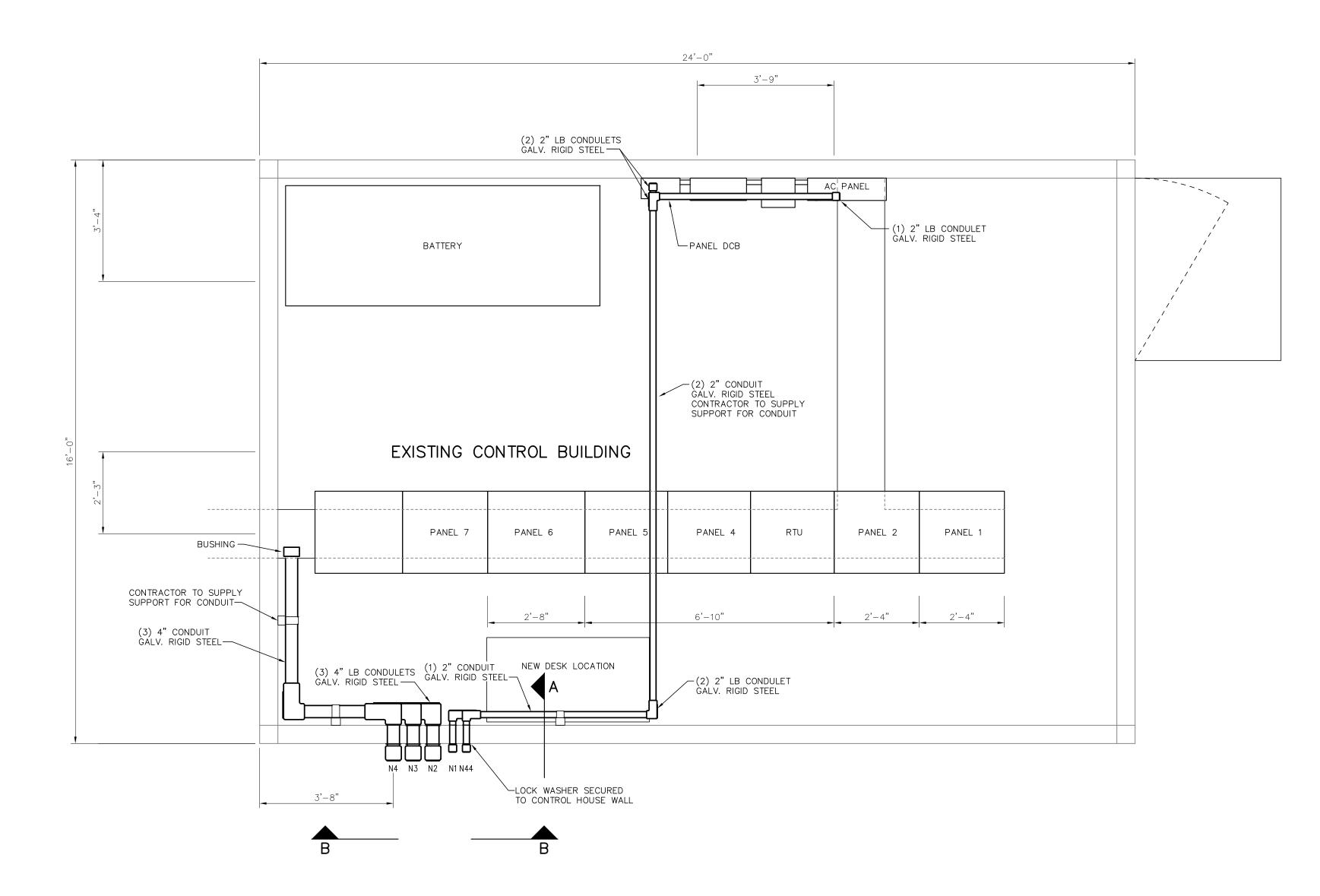


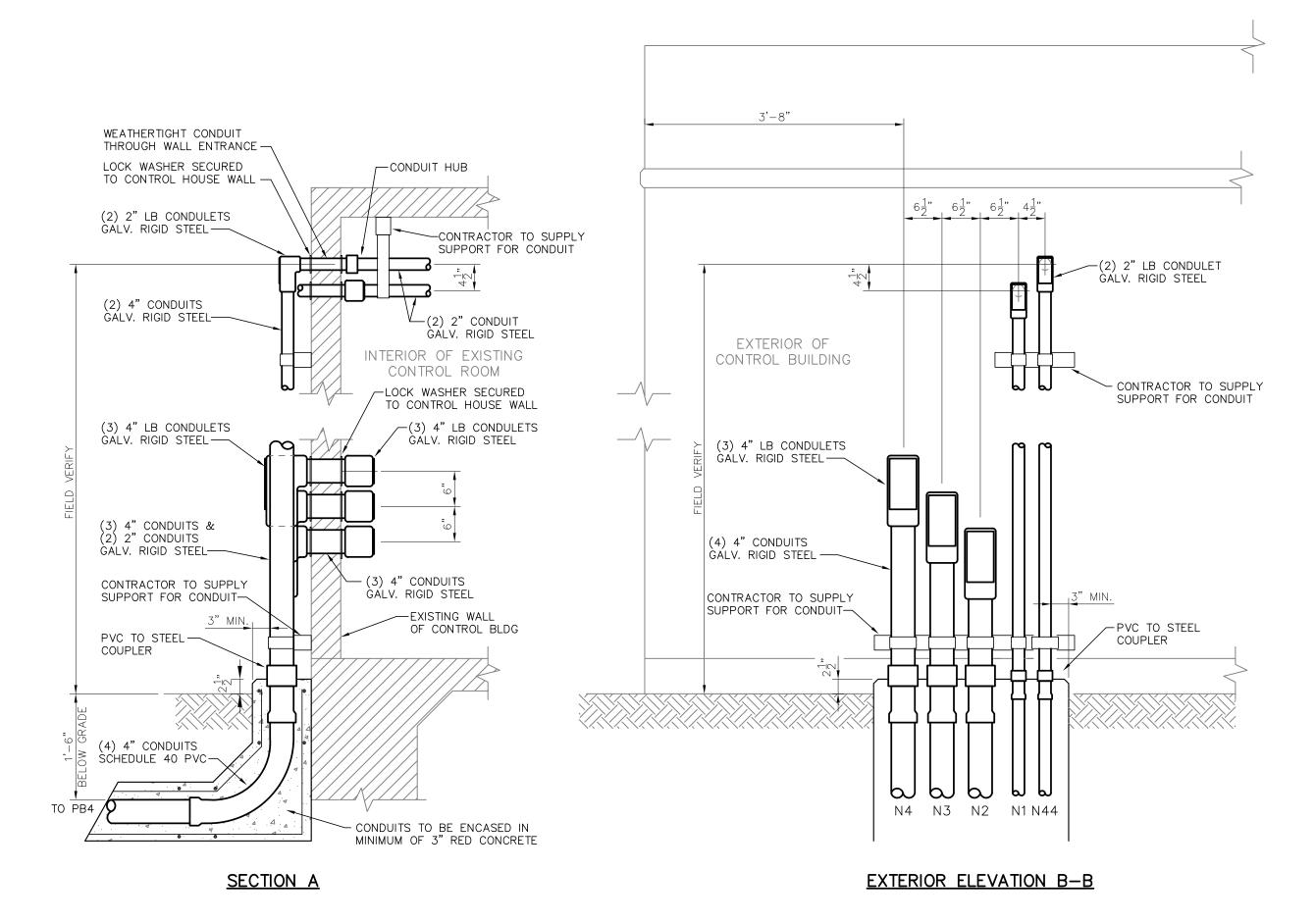


BHA: COATBTA07.dwg DSF=24 05/20/19 @ 02:50PM BY #27



BHA: COATBTA07A.dwg DSF=24 05/20/19 @ 02:51PM BY #27





EXISTING CONTROL BUILDING
CONDUIT AT EXTERIOR WALL DETAIL

SCALE: 3/4"=1'-0"

EXISTING CONTROL BUILDING
CONDUIT ROUTING LAYOUT

SCALE: 1/2"=1'-0"

FOR BIDDING PURPOSES ONLY

BHA: COATBTA07B.dwg DSF=24 05/20/19 @ 02:52PM BY #27

NO.	DATE	BY.	REVISIONS	ВАТО	BATON ROUGE, LOUISIANA				B		
Α	3/4/19	ВНА	FOR BIDDING PURPOSES ONLY — CONSTRUCTION		BHA, INC.				REV. :		
В	5/30/19	BHA	FOR BIDDING PURPOSES ONLY — CONSTRUCTION		DIL		•	7 2019-E-10A			
	5 /70 /40	5		scale: NOTED	DATE: 2/5/19	DRAWN BY:	APPROVED BY:  JJC	PROJECT NO. : 2019-E-16/			
				ALEXANDRIA, LOUISIANA							
				EXISTING CONTROL BUILDING LAYOUT CITY OF ALEXANDRIA							
				TWIN B	RIDGES T	RAN	SFOR	MER ADDITION	ON		