BID # 2248

ADDENDUM #2

June 24, 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 Comments from the Pre-Bid Meeting held on Wednesday, June 19, 2019:

- The Containment Pit Foundation includes the grating and railing.
- The repair of the existing transformer containment pit wall has been revised.
 See Drawings TBTA-05 Rev B2 and TBTA-05B Rev B2.
- The City will file a 100% tax exempt form for the successful Contractor.
- The Construction Start Date should be in early August, 2019.
- Due to the timing of a 230kV outage and the delivery time of the fire wall, the City will entertain a
 construction schedule whereby the Contractor does the site, foundation, grounding, partial steel,
 bus and switch erection, as well as all of the conduit and wire pulling first.

Then, when the fire wall arrives, a 230kV outage, as well as a partial 138kV outage, will take place and the Contractor can erect the fire wall and complete the 230kV steel erection and bus tie-ins. During this outage, a second Contractor will make the cable terminations in the existing control building relay panels.

The station Contractor shall include any additional cost for a possible delay between these two phases of construction in the bid units. A separate unit for this possible delay will not be added.

 The physical address of the Twin Bridges Substation is 370 Twin Bridges Road, Alexandria, Louisiana.

2. Reference Section 3 – Special Provisions

• Replace Page 3-1 with the attached Revised Page 3-1 Addendum #2 6/24/2019.

3. Reference Section 10 - Louisiana Uniform Public Work Bid Form

- Replace Page 10-7 with the attached Revised Page 10-7 Addendum #2 6/24/2019.
 Changed wording of L-5 and L-7.
- Replace Page 10-8 with the attached **Revised Page 10-8 Addendum #2 6/24/2019.** Changed One Cubic Yard to read One Ton on Z-1 and Z-2.

4. Reference Section 15 - Drawings

- Replace Page 15-1 Addendum #1 6/5/2019 with the attached Revised Page 15-1 Addendum #2 6/24/2019.
- Replace the set of Drawings Twin Bridges Rev B1, containing 27 sheets, with the attached Revised Set of Drawings – Twin Bridges Rev B2, containing 27 sheets.

Changes To Drawings Are As Follows:

Title Page [REV. B2] - Added Rev B2 next to revised drawings.

TBTA-01A [REV. B2] - Added additional rip-rap areas.

TBTA-04A [REV. B2] - Indicated location of railing grounding.

TBTA-05 [REV. B2] - Revised foundation L-7.

TBTA-05B [REV. B2] - Added Detail EW-1 and existing wall detail.

TBTA-07B [REV. B2] - Added cable tray and revised conduit routing.

Section 3. Special Provisions

Time of Completion

The Contractor shall complete all work shown on Plans and called for in these Specifications within **one hundred eighty (180) calendar days**.

The Contractor shall be assessed Two Hundred Dollars (\$200.00) per day in liquidated damages for each calendar day he is delinquent. The above specified time shall be written into the Contract.

The 138kV bus between breaker CB1 and breaker CB5 can remain de-energized during construction unless an emergency occurs. The 230kV bus can be de-energized for short periods of time. This must be scheduled with the City a minimum of two weeks prior to deenergization.

<u>Determination and Extension of Contract Time</u>

Contract time will be extended to the Contractor only upon receipt of written request, provided such delays were caused by the Owner, by acts of God (provided such acts of God were not preceded by some fault of the Contractor without which the delay would not have occurred) or any causes completely beyond the control of the Contractor.

Work Order

Work will not begin on the Project until the Owner has issued a Work Order to the Contractor directing him to begin and stating that necessary funds are available for payments according to the Contract. The Contract time shall be based on the date of the Work Order.

Funds for financing this project will be deposited in the name of the Owner prior to issuance of a Work Order.

Payment to Contractor

Monthly, the Contractor shall submit to the Engineer an itemized invoice on a form approved by the Engineer, supported by such data substantiating the Contractor's right to payment as the Owner or the Engineer may require. Application for Payment shall be submitted on or about the first of each month for the value of labor and materials incorporated in the work and of material suitably stored at the site as of the twenty-fifth day of the preceding month, less normal retainage as follows:

- 1. Projects with contract price up to \$500,000.00 10% of the contract price.
- 2. Projects with contract price greater than \$500,000.00 5% of the contract price.

The normal retainage shall not be due the Contractor until expiration of the forty-five day lien period and submission to the Engineer of a Clear Lien Certificate and invoice for the retainage.

UNIT DESCRIPTIONS

то:	City of AlexandriaBID FOR:Twin Bridges Station915 Third Street230kV – 138kV Transformer AdditionAlexandria, Louisiana 71301ConstructionAttention: City Clerk						
REF. NO.	DESCRIPTIONS						
<u>L-3</u>	FURNISH AND INSTALL 230kV GAS CIRCUIT BREAKER FOUNDATION WITH ANCHOR BOLTS						
<u>L-4</u>	FURNISH AND INSTALL 12' X 16' CONTROL HOUSE FOUNDATION						
L-5	FURNISH AND INSTALL TRANSFORMER OIL CONTAINMENT FOUNDATION, INCLUDING GRATING AND RAILING						
L-6	FURNISH AND INSTALL LIGHT POLE FOUNDATION						
L-7	FURNISH AND INSTALL/REPAIR EXISTING TRANSFORMER CONTAINMENT WALL SECTION						
M-1	FURNISH AND INSTALL SITE WORK TO INCLUDE DIRT WORK WITH SOIL CEMENT, REMOVAL AND REPLACEMENT OF SITE SURFACING, NEW SITE SURFACING AND RIP-RAP THROUGHOUT WORK AREA AND BOTH SIDES OF FENCE. REPAIR OFF SITE EROSION ALONG FENCE IN MULTIPLE AREAS. RETURN BOTH DIRT AND LIMESTONE TO ORIGINAL GRADE, AND FINAL SITE CLEAN-UP.						
O-1	FURNISH AND INSTALL BELOW AND ABOVE GRADE GROUNDING, INCLUDING EQUIPMENT AND FENCE GROUND CONNECTORS						
<u>R-1</u>	RE-INSTALL EXISTING LIGHT POLES AND FIXTURES, INCLUDING CONDUIT AND WIRE						

RE-INSTALL EXISTING GATE ALARM, INCLUDING CONDUIT AND WIRE

R-2

MISCELLANEOUS CONSTRUCTION UNITS

TO: <u>C</u>	City of Alexandria		BID FOR:	Twin Bridges Station
	15 Third Street			230kV – 138kV Transformer Addition
A	lexandria, Louisiana	a 71301		Construction
A	ttention: City Clerk			
The Contractor sha	all submit unit prices	s for the miscellaneous construction uni	its listed. The Owner shall have the option	to exercise the unit prices for additional work, which
shall be done by th	is Contractor when,	in the judgment of the Owner and the	Engineer, said work is outside of the intende	ed scope of work required by these specifications.
		THESE VALUES SHALL N	OT BE INCLUDED IN THE TOTA	AL RASE RID
			OT BE INCLUDED IN THE TOTA	L DAGE DID.
DESCRIPTION:	INSTALL 2" RIC	GID CONDUIT (1 UNIT = 10 LINEAI	R FEET)	
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
X-1	1 Unit			
DEGGD IDTION	INIOTALL 4" DI	OID CONDUIT // LINIT 40 LINEAU) FFFT)	
DESCRIPTION:		GID CONDUIT (1 UNIT = 10 LINEAI		
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
X-2	1 Unit			
DESCRIPTION:	INSTALL 2" SC	HEDULE 40 PVC CONDUIT ENCA	SED IN CONCRETE (1 UNIT = 10 LINE	AR FEET)
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
X-3	1 Unit			
	T			
DESCRIPTION:			SED IN CONCRETE (1 UNIT = 10 LINE	AR FEET)
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
X-4	1 Unit			
D = 0 CD + D = 1 C 1 C	ONE CUBIC YA	ARD OF 3.000 PSI CONCRETE COI	MPLETE WITH REINFORCING STEEL	AND REQUIRED FORMS TO ADD OR MODIFY
DESCRIPTION:		TION (1 UNIT = 1 CUBIC YARD)		
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
Y-1	1 Unit			
DESCRIPTION:	ONE TON OF C	RUSHED LIMESTONE GRADE 57		
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
Z-1	1 Unit			
DESCRIPTION:	ONE TON OF C	RUSHED LIMESTONE GRADE 610	n	
REF. NO.	QUANTITY:	LABOR UNIT PRICE:	MATERIAL UNIT PRICE:	TOTAL LABOR AND MATERIALS:
	`	LADUR UNIT PRICE:	WATERIAL UNIT PRICE:	TOTAL LADOR AND WATERIALS:
Z-2	1 Unit			

DRAWING LIST

[REV. B2]	Cover Sheet	
	TBTA-01	Site Plan
[REV. B2]	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. B2]	TBTA-04A	Partial Grounding Plan
	TBTA-04B	Grounding Details
[REV. B2]	TBTA-05	Partial Foundation Plan
	TBTA-05A	Transformer Foundation Plan & Details
[REV. B2]	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
[REV. B2]	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

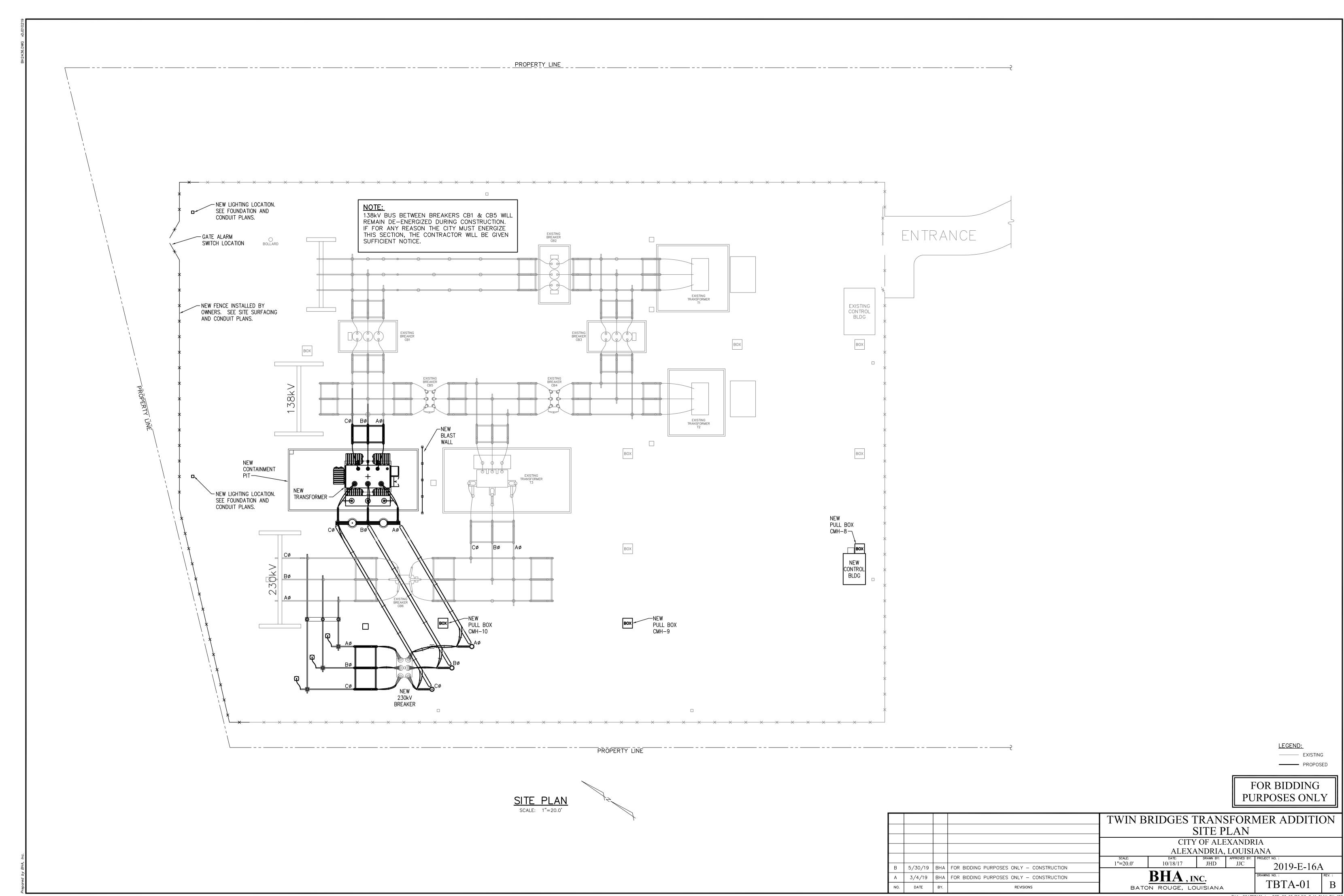
	TBTA-01	Site Plan
[REV. B2]	TBTA-01A	Partial Site Surfacing Plan
	TBTA-02	Partial One-Line Diagram
	TBTA-03	Partial Structure Plan
	TBTA-03A	Structure Elevations
	TBTA-03B	Structure Elevations
	TBTA-03C	Miscellaneous Details
	TBTA-04	Overall Grounding Plan
[REV. B2]	TBTA-04A	Partial Grounding Plan
	TBTA-04B	Grounding Details
[REV. B2]	TBTA-05	Partial Foundation Plan
	TBTA-05A	Transformer Foundation Plan & Details
[REV. B2]	TBTA-05B	Foundation Details
[REV. B1]	TBTA-05C	Foundation Details
	TBTA-05D	Control Building Foundation Plan & Detail
[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
[REV. B2]	TBTA-07B	Existing Control Building Layout



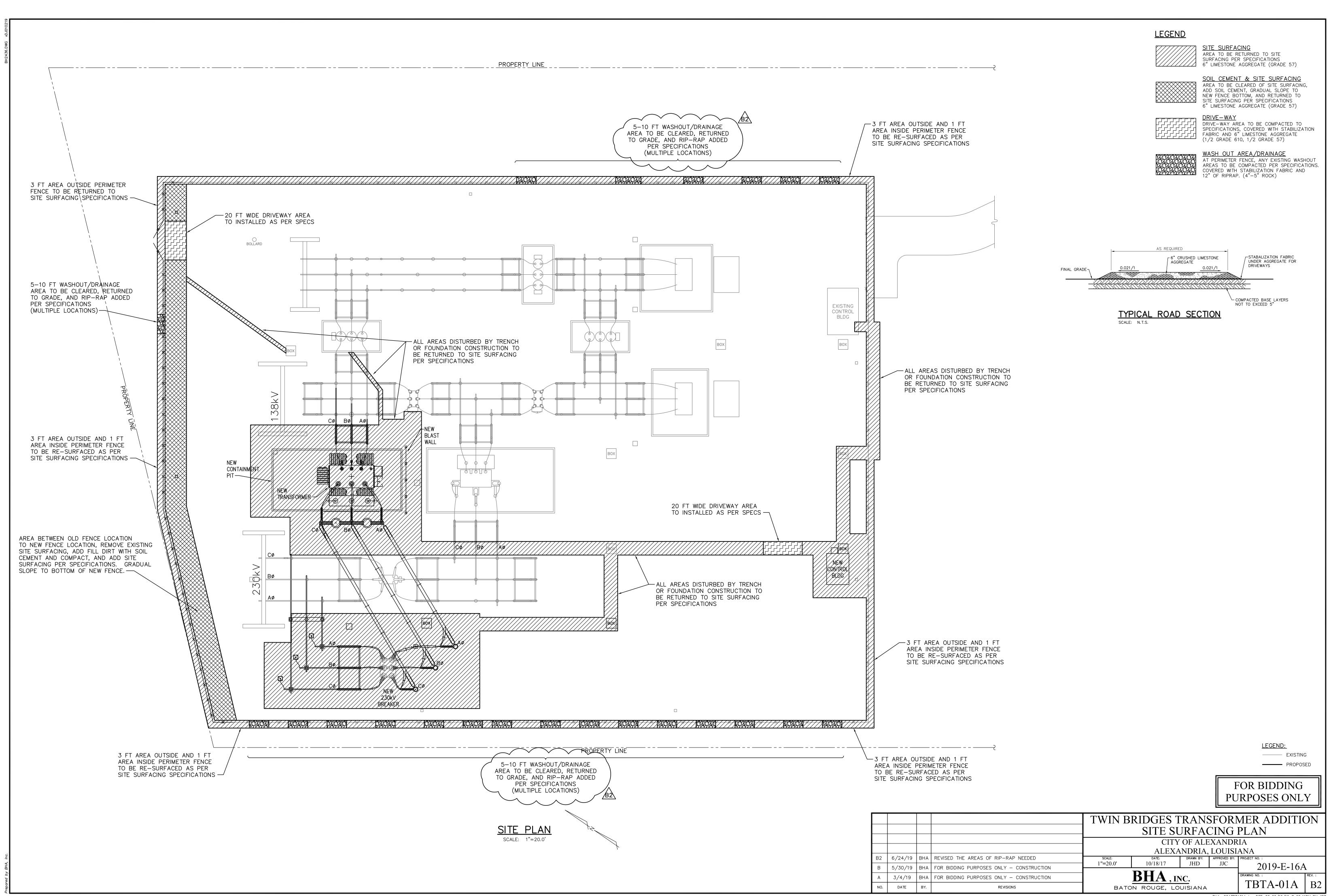
CONSTRUCTION

FOR BIDDING PURPOSES ONLY

BHA File No: 2019-E-16A June 2019 - Revision B2



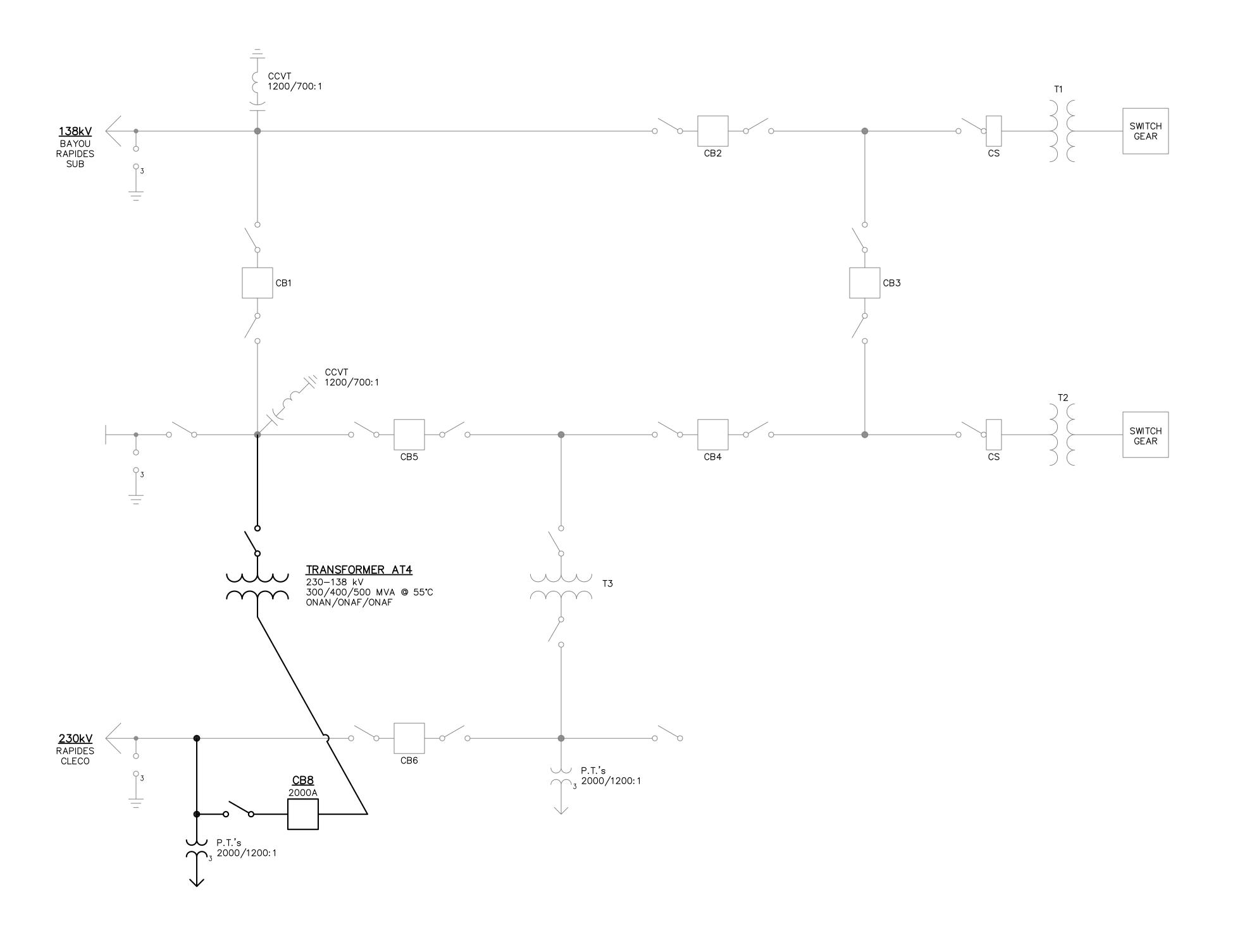
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BHA: COATBTA01A.dwg DSF=20 06/19/19 @ 02:11PM BY #27

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.

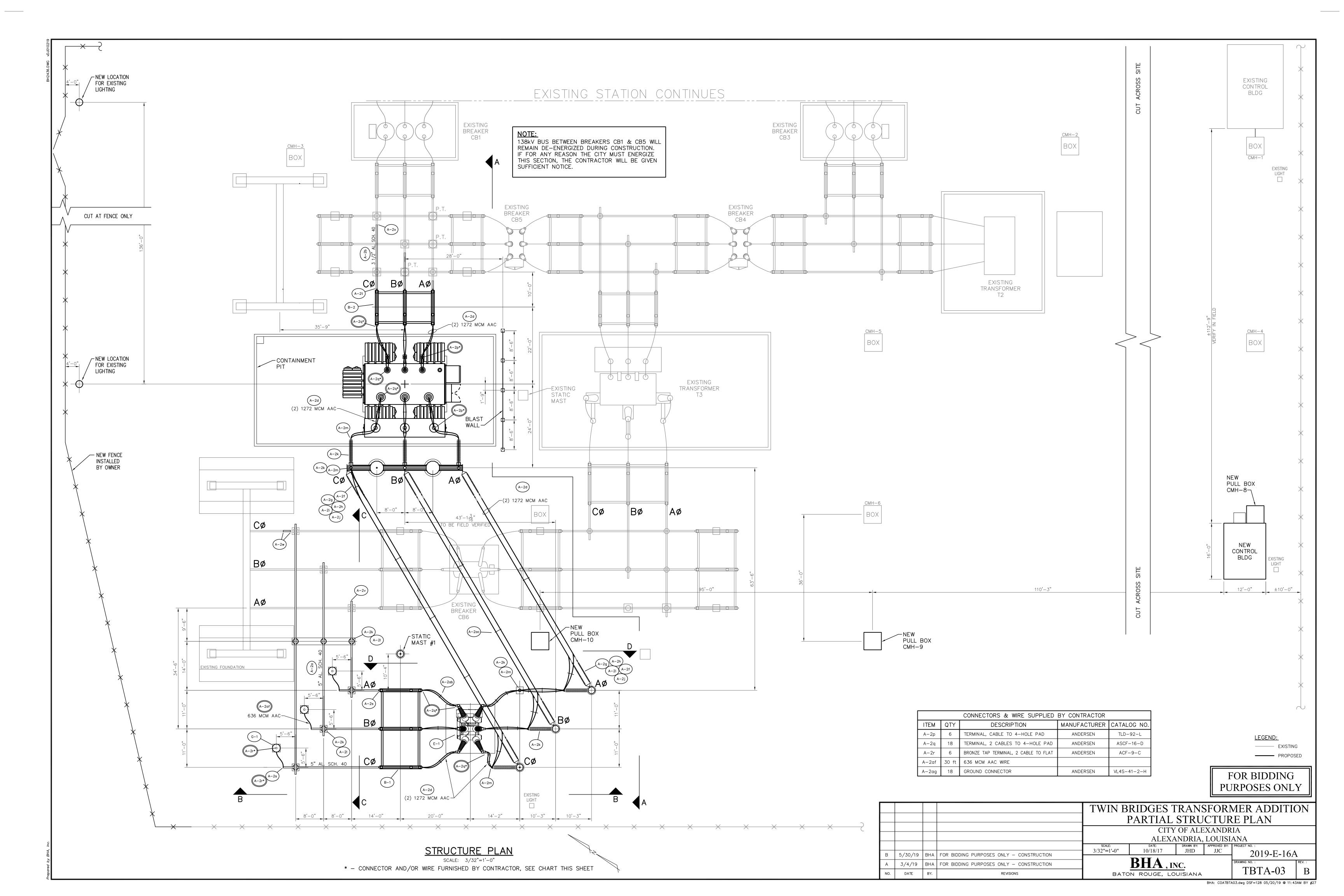


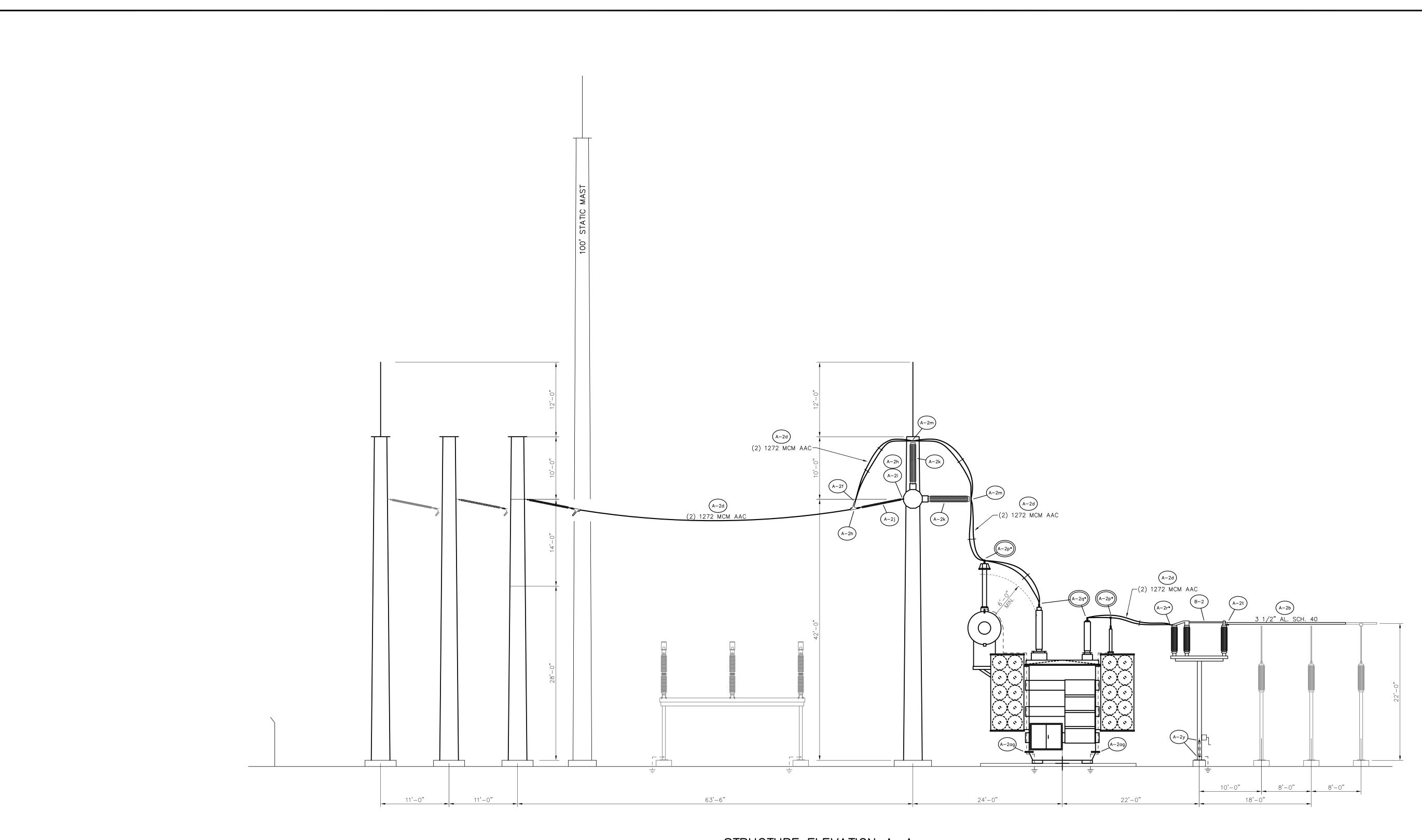
PARTIAL ONE-LINE DIAGRAM
N.T.S.

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

FOR BIDDING PURPOSES ONLY

				TWIN BRIDGES TRANSFORMER ADDITION PARTIAL ONE-LINE DIAGRAM CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA							
B	B 5/30/19 E	0/19 BHA FOR BIDDING	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.				REV. :		
NO.	DATE	BY.	REVISIONS	BATON ROUGE, LOUISIANA TBTA-02					B		
	BHA: COATBTA02.dwg DSF=1 05/20/19 @ 11:39AM BY #27										





STRUCTURE ELEVATION A—A SCALE: 1/8"=1'-0"

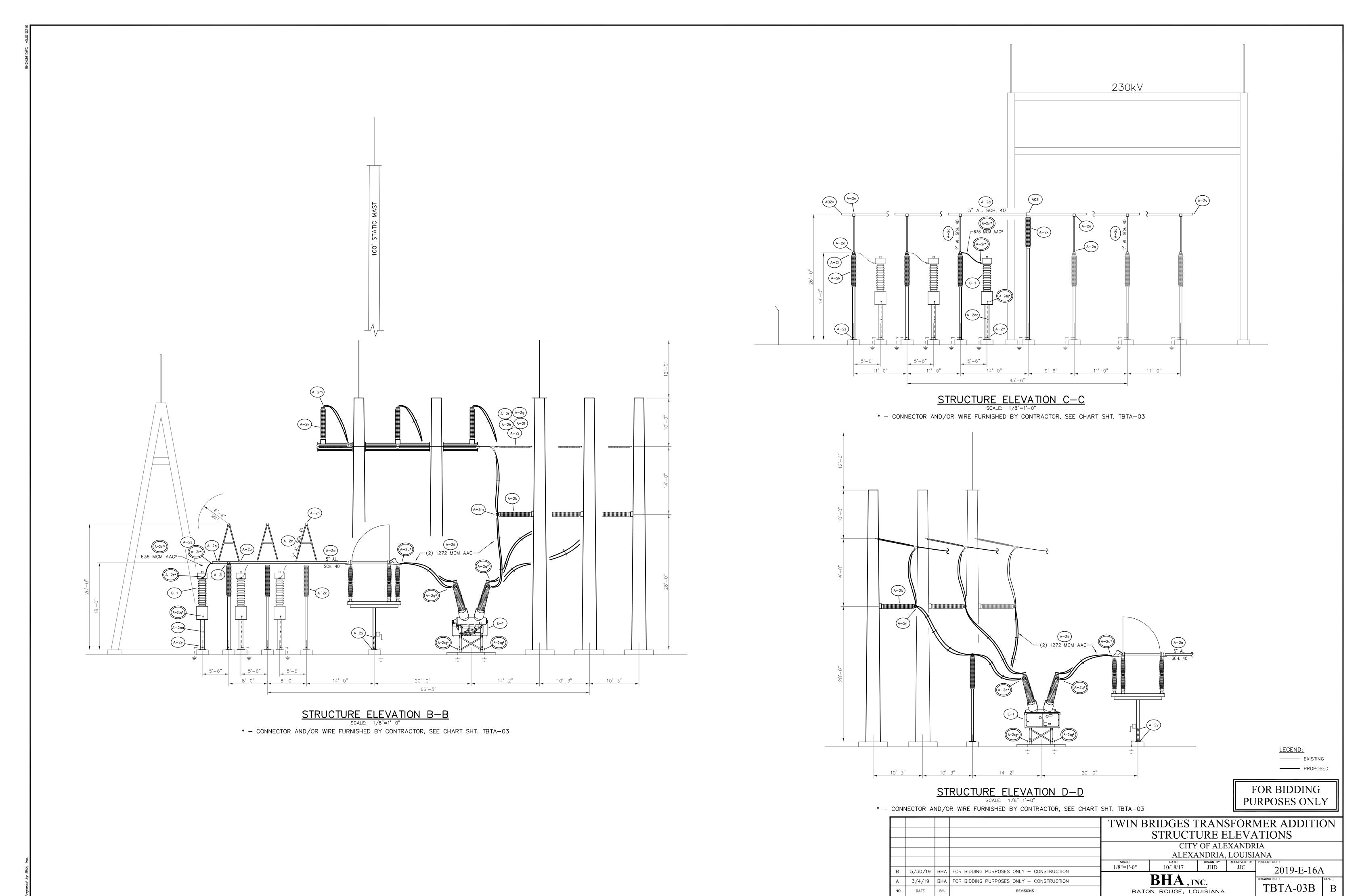
* - CONNECTOR AND/OR WIRE FURNISHED BY CONTRACTOR, SEE CHART SHT. TBTA-03

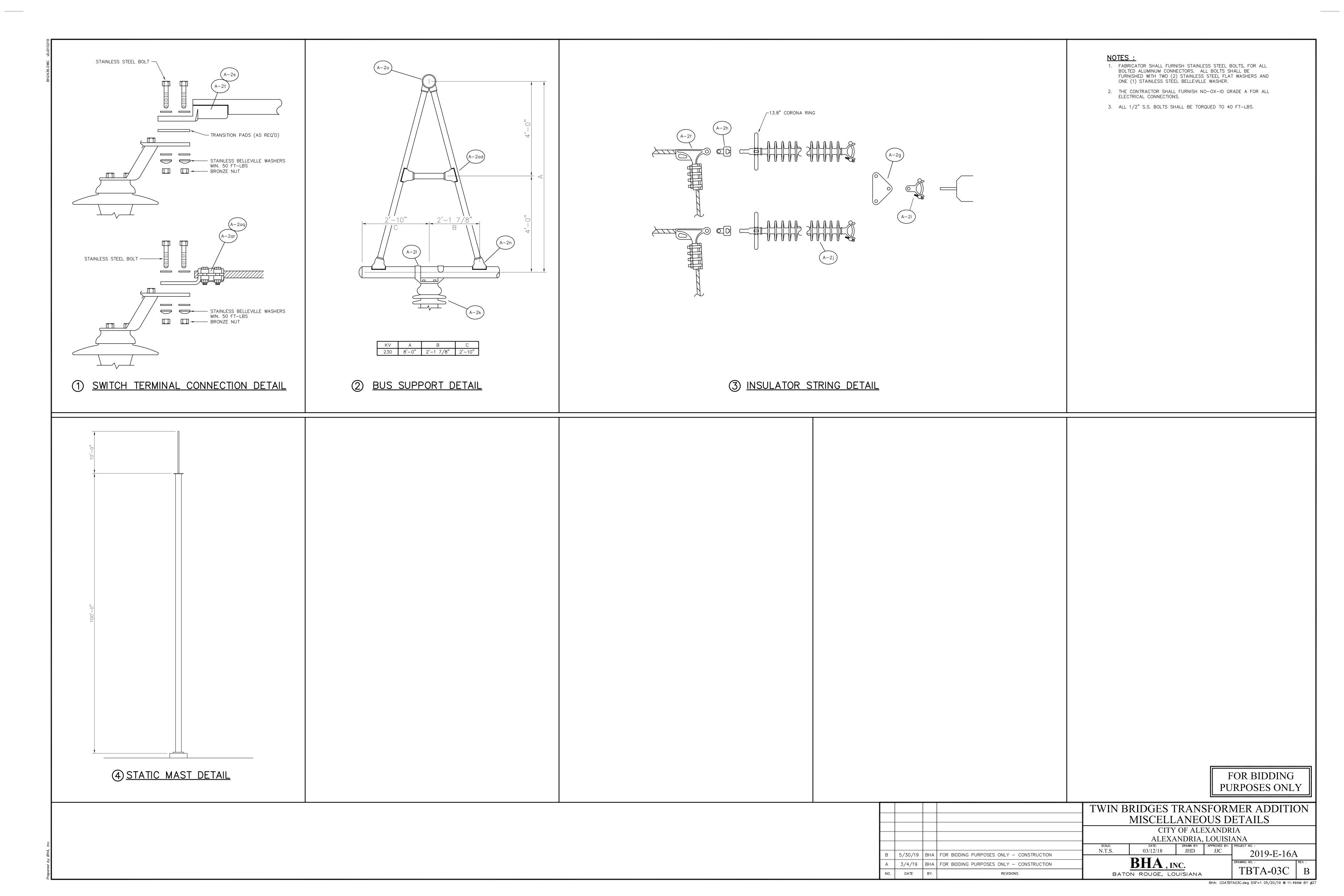
<u>LEGEND:</u>
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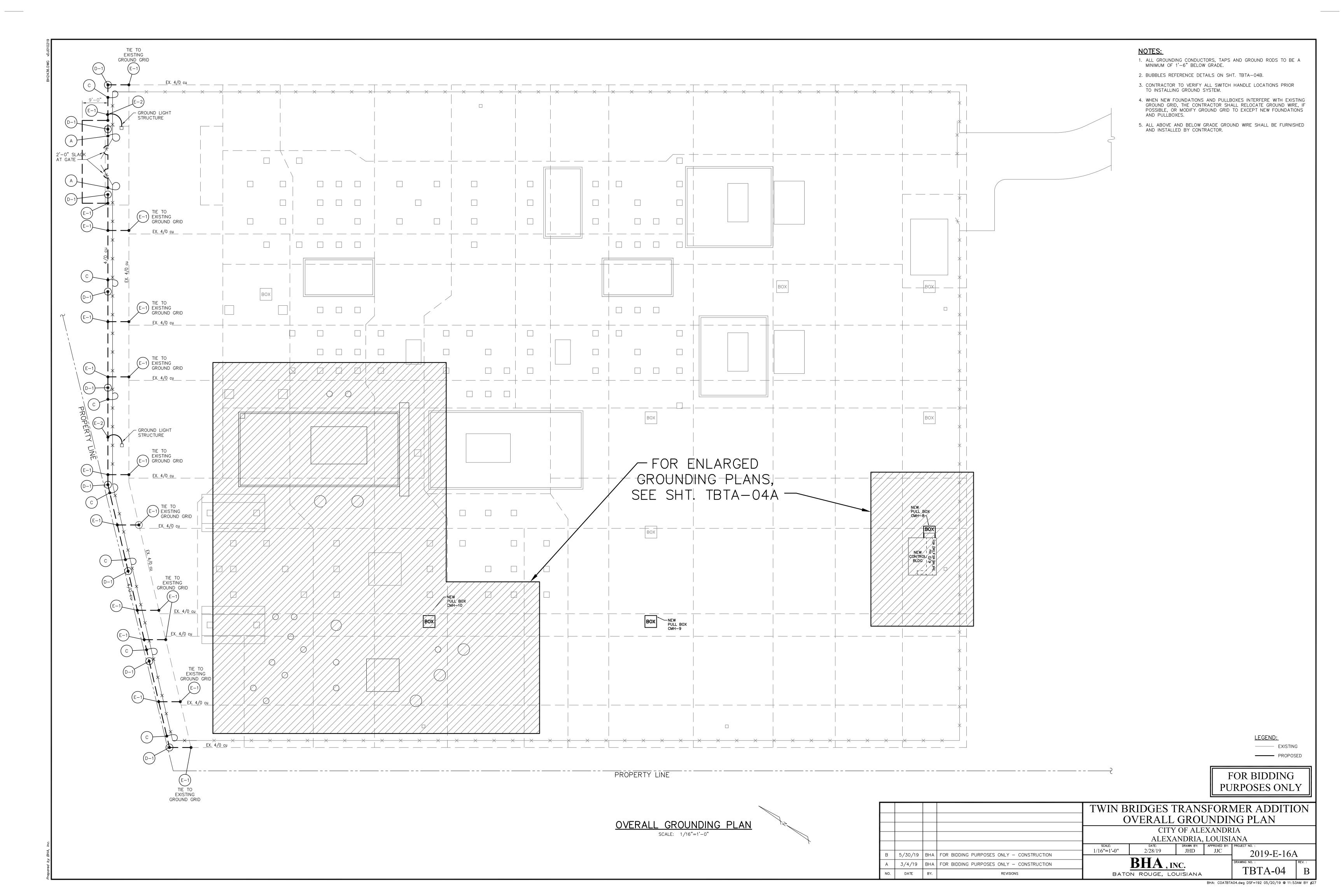
----- PROPOSED

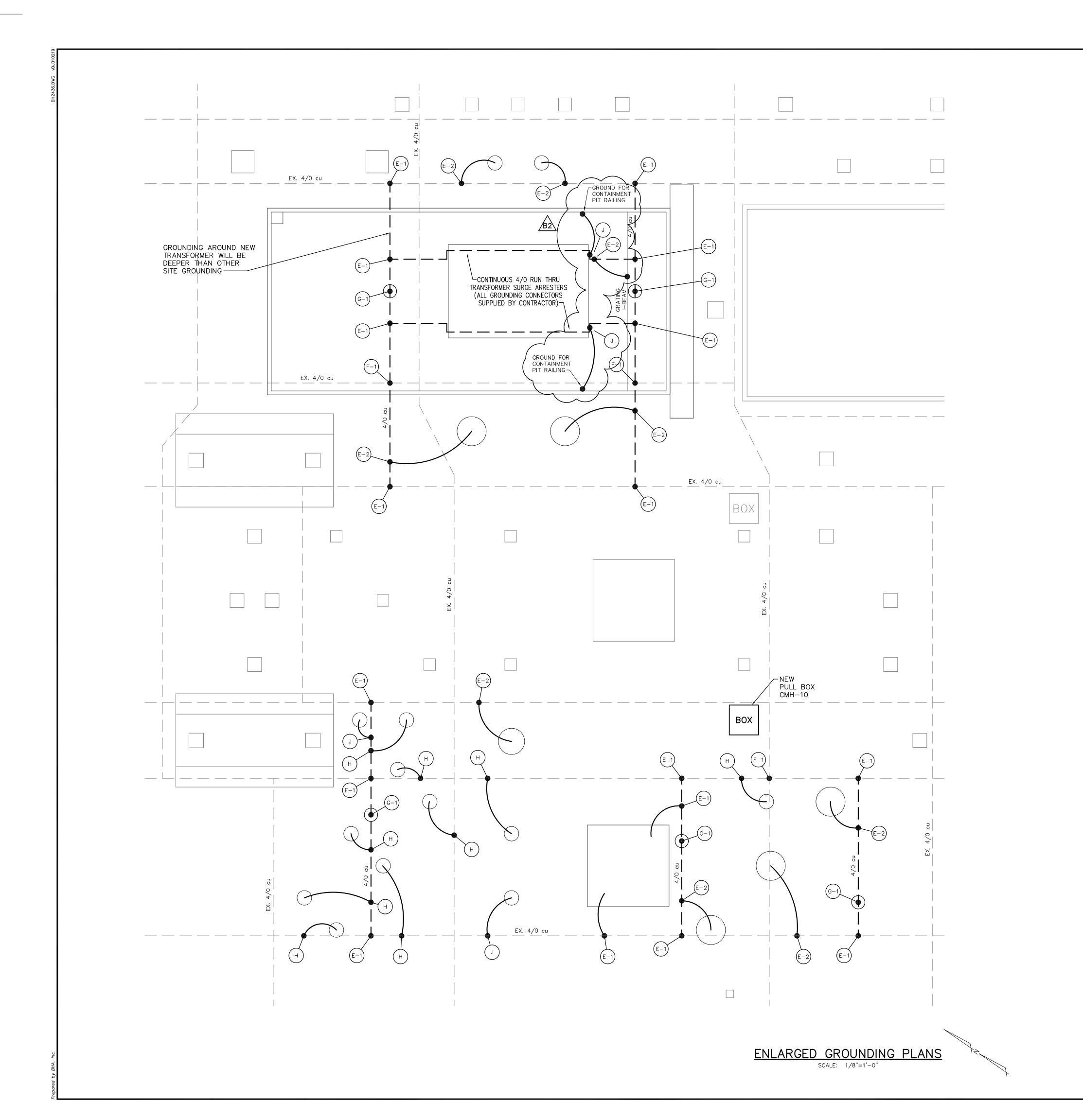
FOR BIDDING PURPOSES ONLY

				TWIN B	RIDGES T STRUCT			MER ADDITIONS	ON	
				CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA SCALE: DATE: L DRAWN BY: L APPROVED BY: L 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-03A						



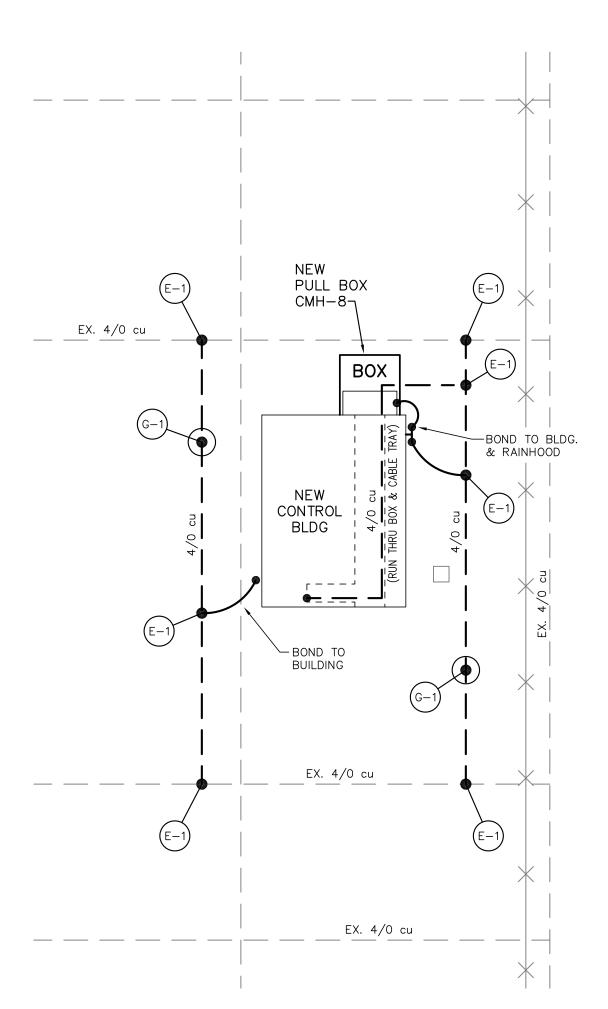






1. ALL GROUNDING CONDUCTORS, TAPS AND GROUND RODS TO BE A MINIMUM OF 1'-6" BELOW GRADE.

- 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.



LEGEND:

---- EXISTING

FOR BIDDING PURPOSES ONLY

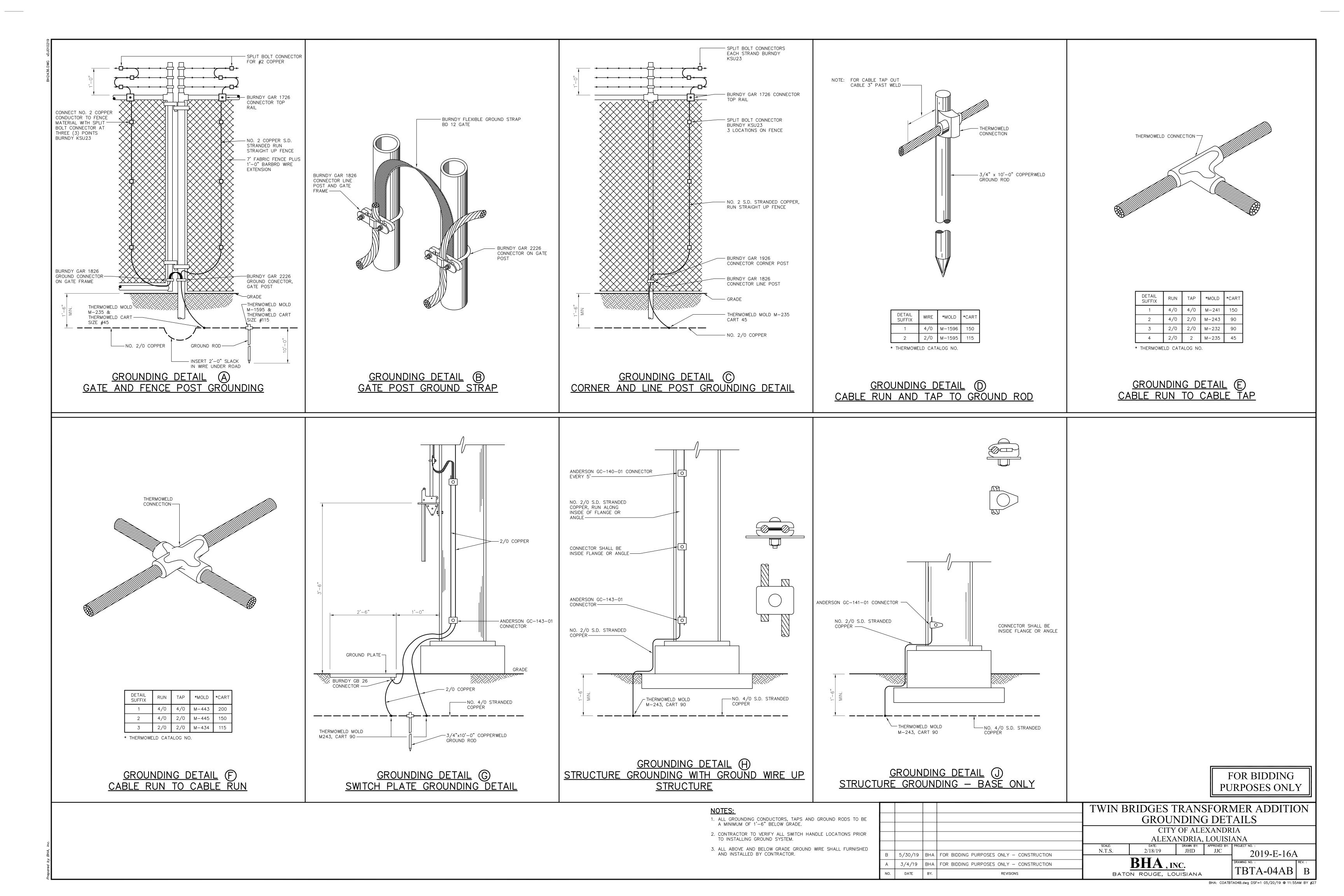
TWIN BRIDGES TRANSFORMER ADDITION ENLARGED GROUNDING PLANS CITY OF ALEXANDRIA 2 6/24/19 BHA ADDED GROUNDING FOR RAILING ALEXANDRIA, LOUISIANA

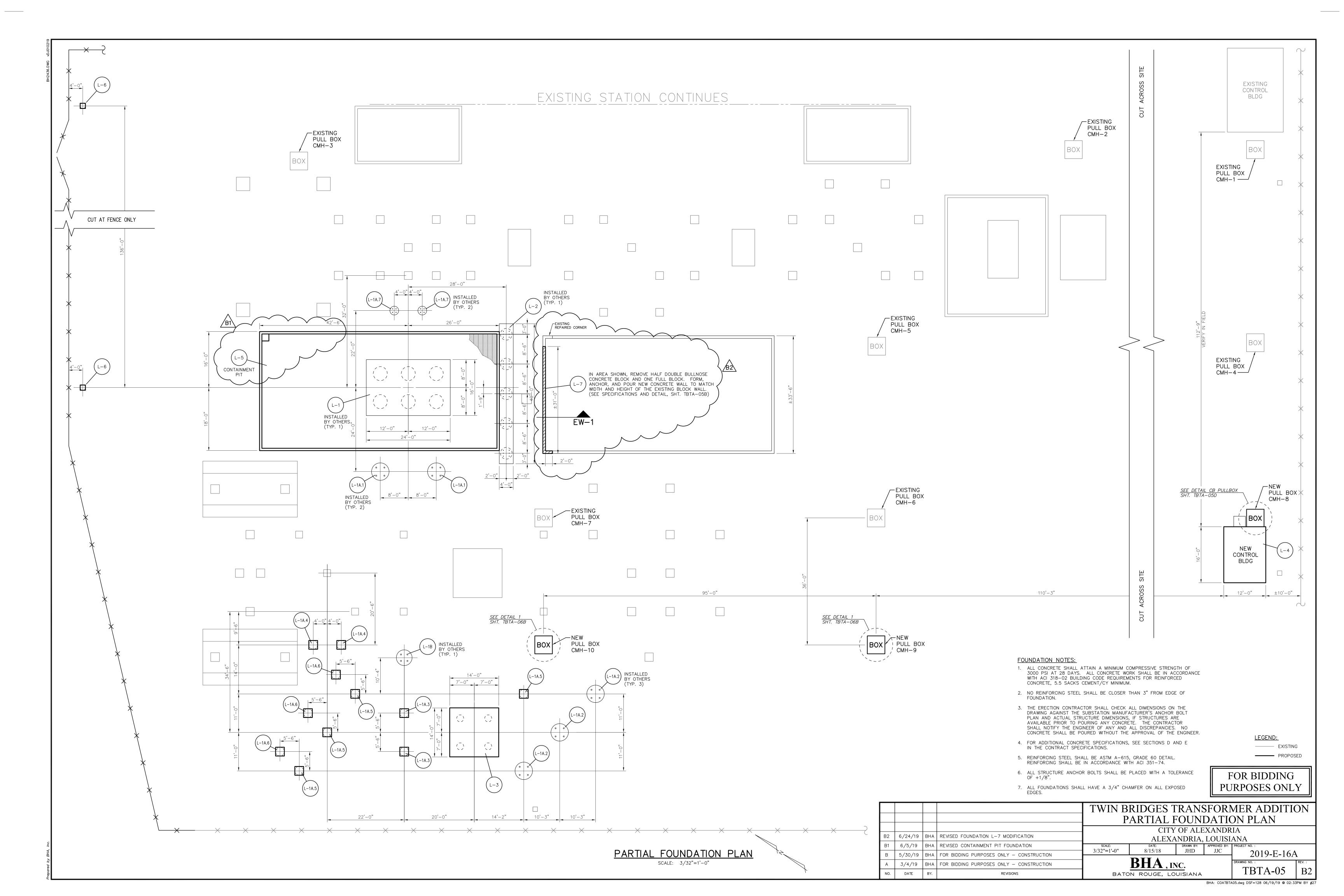
DATE: DRAWN BY: APPROVED BY: PROJECT N
01/02/18 JHD JJC 6/5/19 BHA ADDED GROUNDING FOR GRATING SUPPORT I-BEAM SCALE: 1/8"=1'-0" 5/30/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION BHA, INC.
BATON ROUGE, LOUISIANA 3/4/19 BHA FOR BIDDING PURPOSES ONLY - CONSTRUCTION

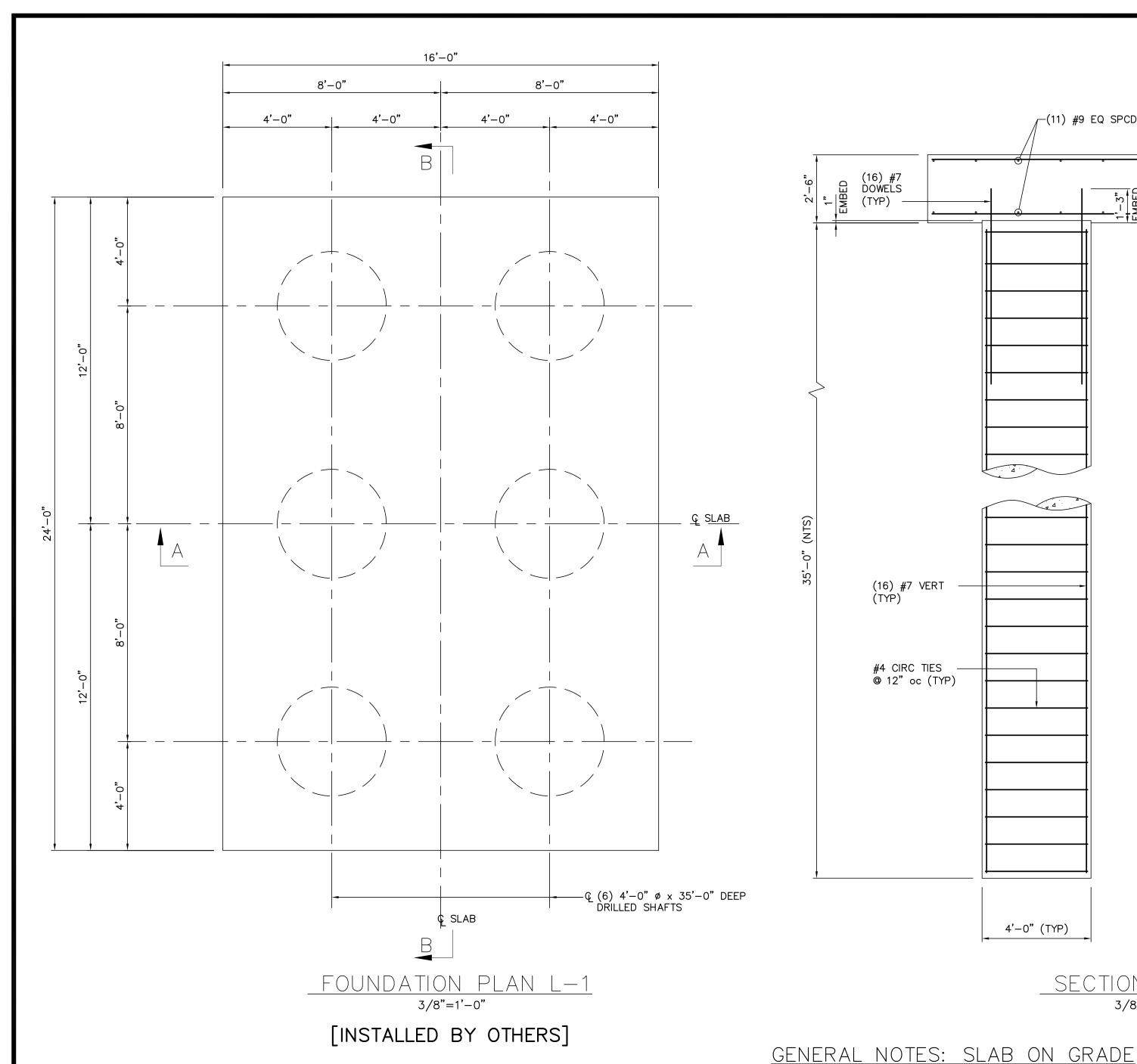
REVISIONS

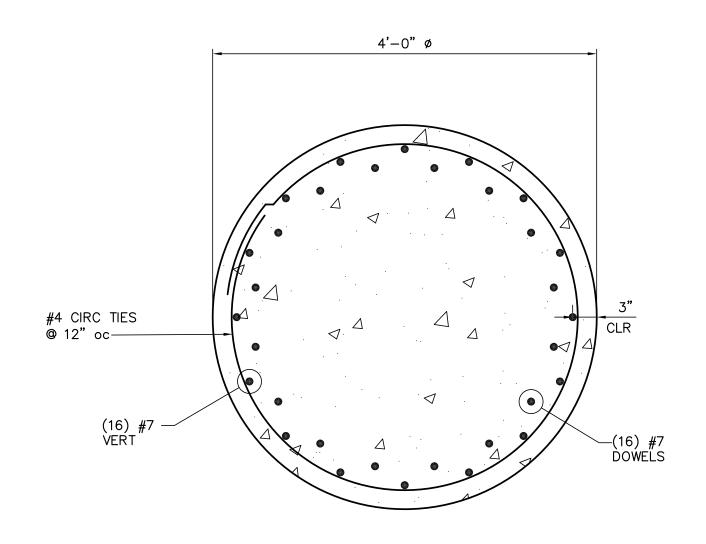
DATE

2019-E-16A

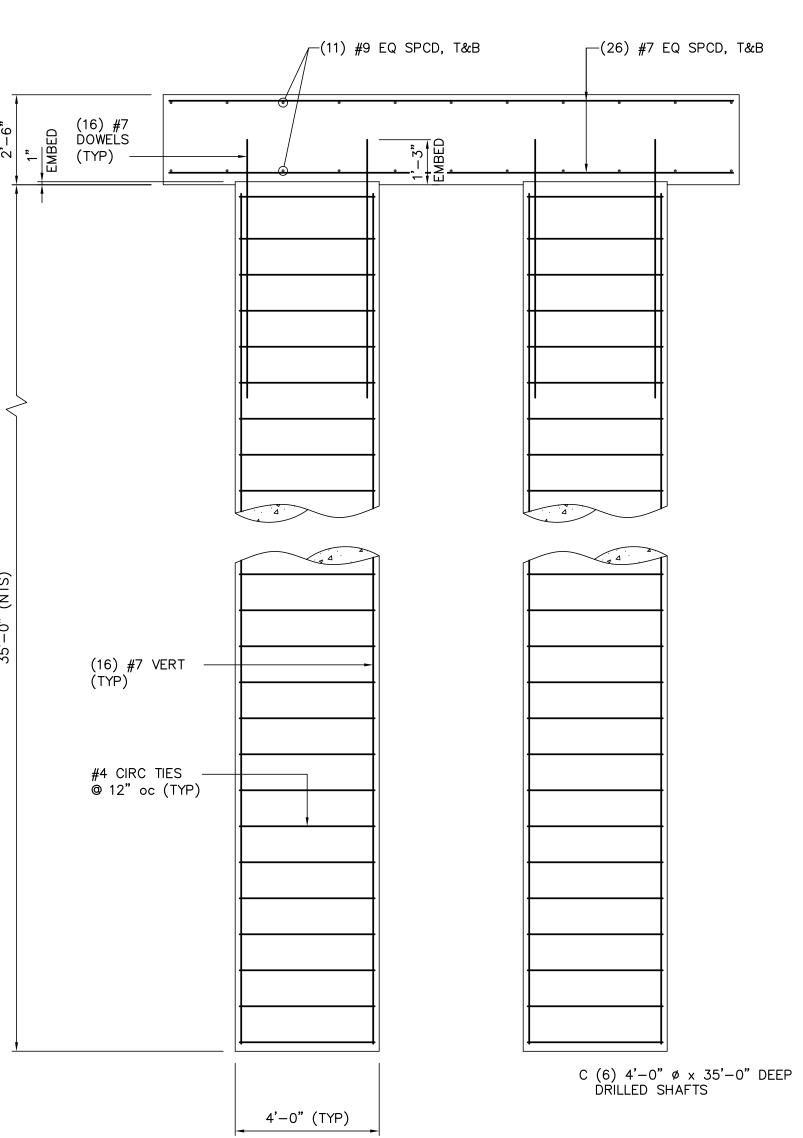


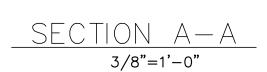






TYPICAL DRILLED SHAFT SECTION





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.

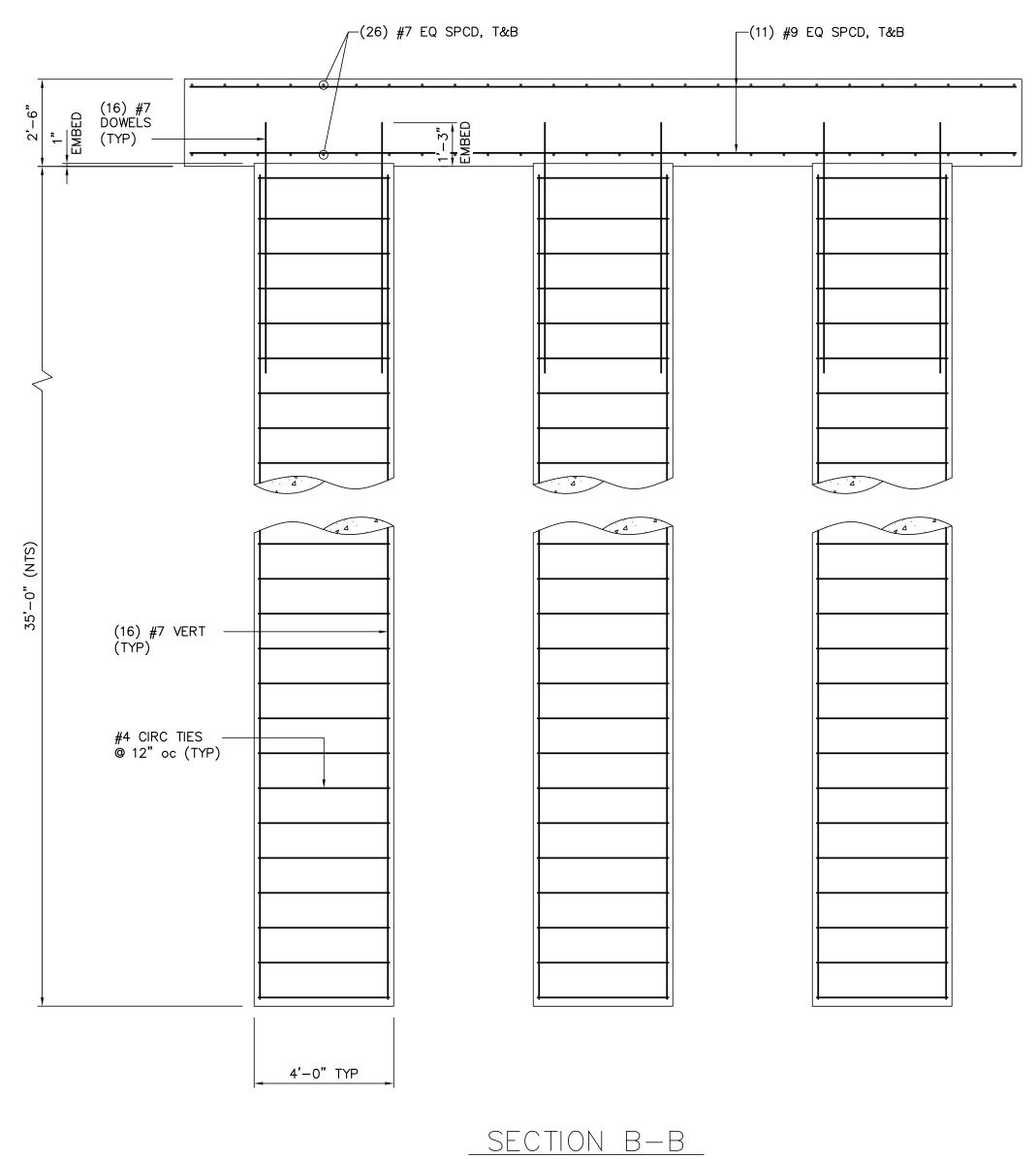
- 11. ALTERATION TO, OR DEVIATION FROM, THE INFORMATION SHOWN ON THIS SHEET WITHOUT THE WRITTEN ADVANCE APPROVAL FROM LANGLOIS ENGINEERING, INC. , WILL VOID DESIGNER'S RESPONSIBILITY.
- 12. THIS PLAN IS FOR GRADE BEAM LOCATION ONLY.
- 13. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED 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%

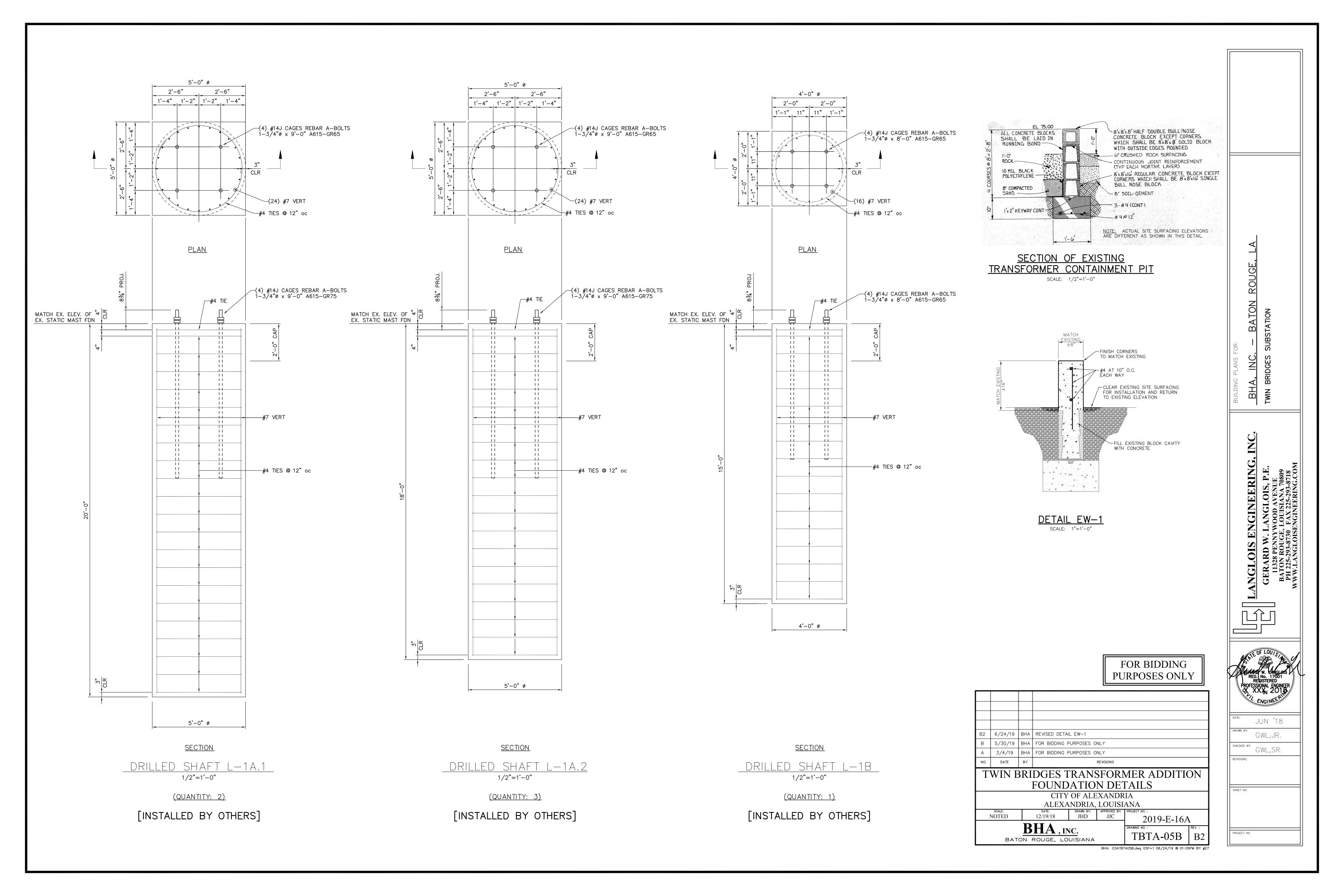
- 14. A MINIMUM OF 4" OF CONCRETE WILL BE MAINTAINED THROUGHOUT THE ENTIRE SLAB.
- 15. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB
- 17. REMOVE A MINIMUM OF 12" OF EXISTING SOIL AND ALL UNSTABLE SILT PRIOR TO PLACING ANY FILL.
- MAXIMUM DIFFERENTIAL FILL SHALL NOT EXCEED 20%.
- MINIMUM OF 12"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

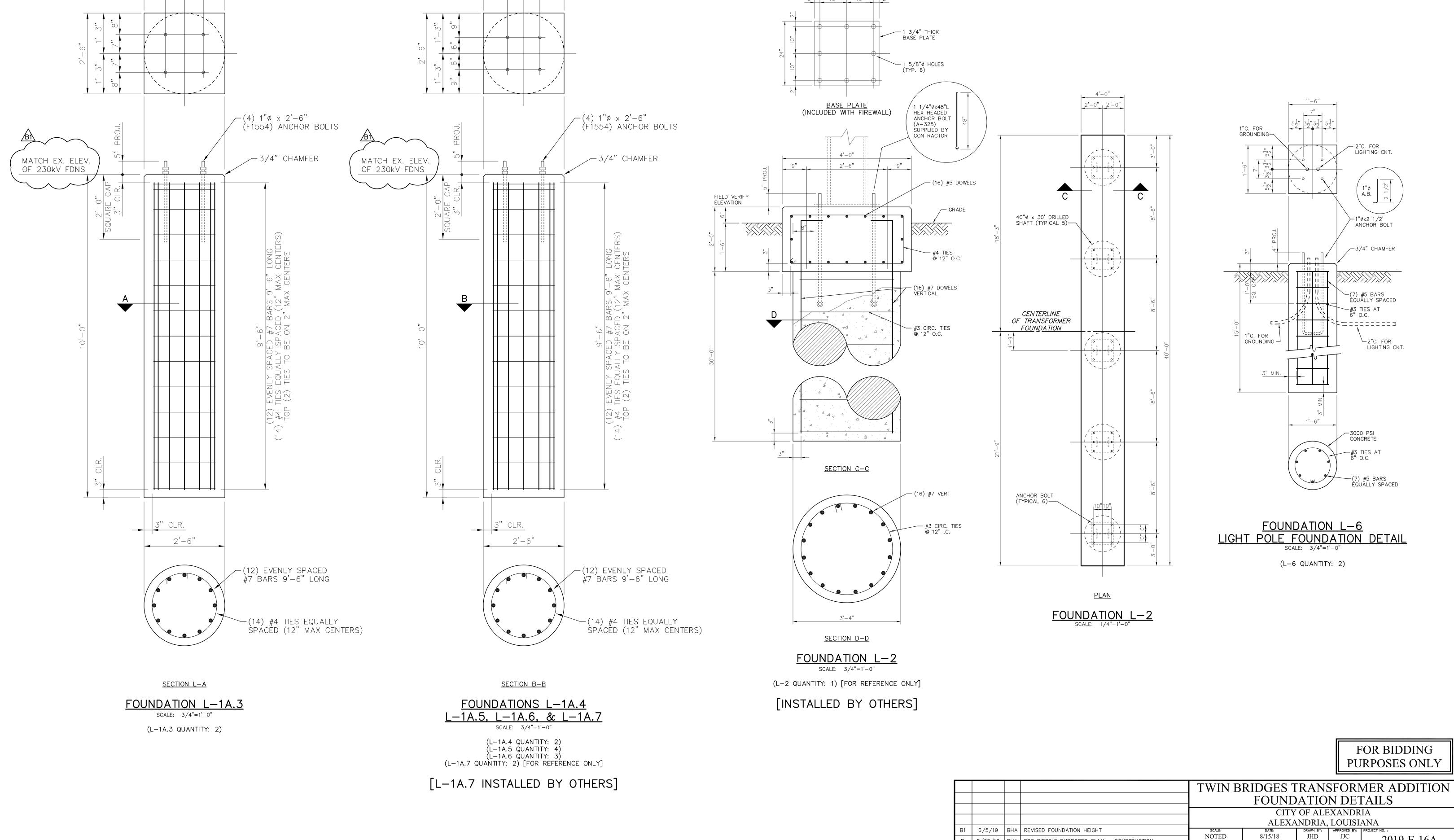
JUN '18 GWL,JR. GWL,SR.

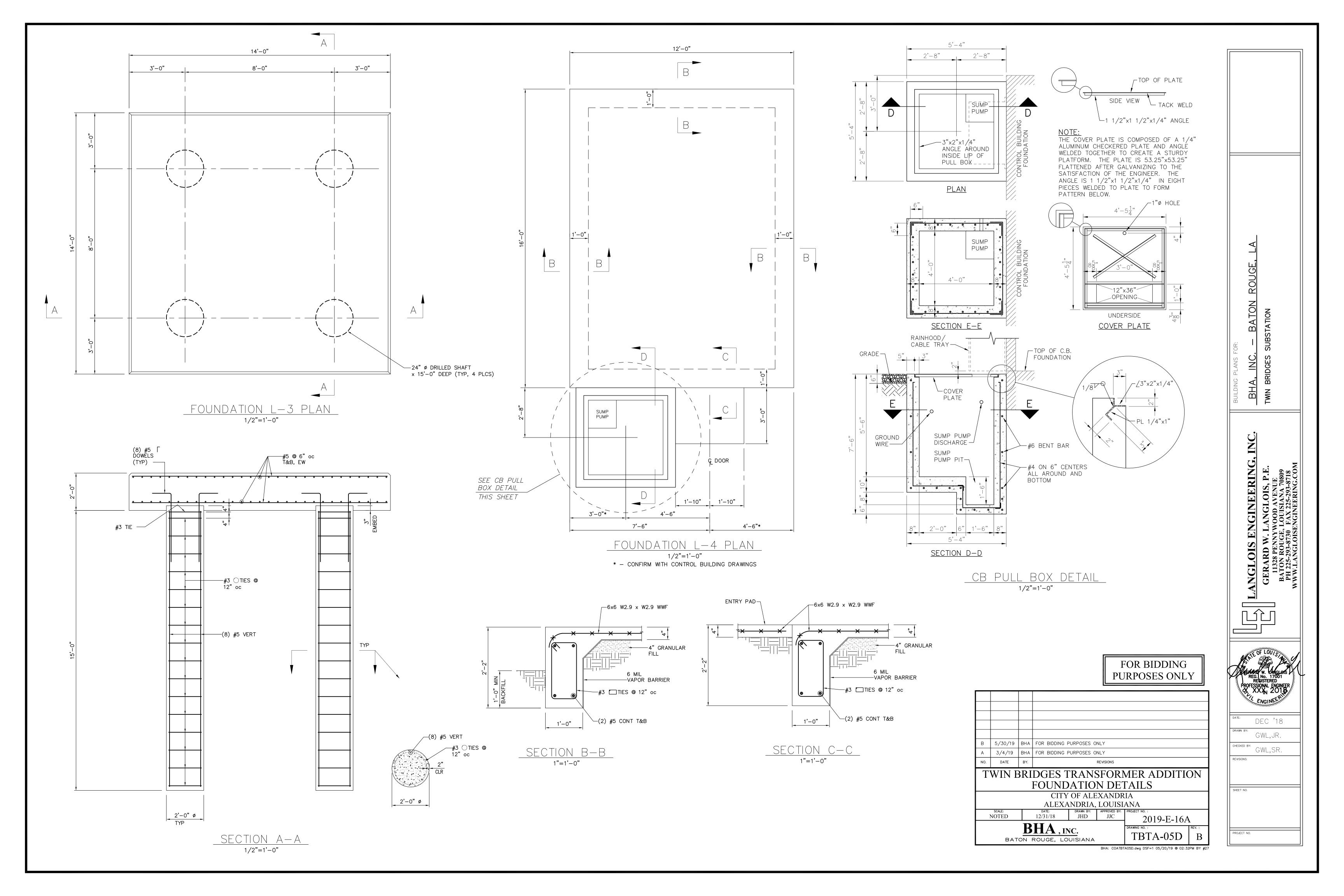


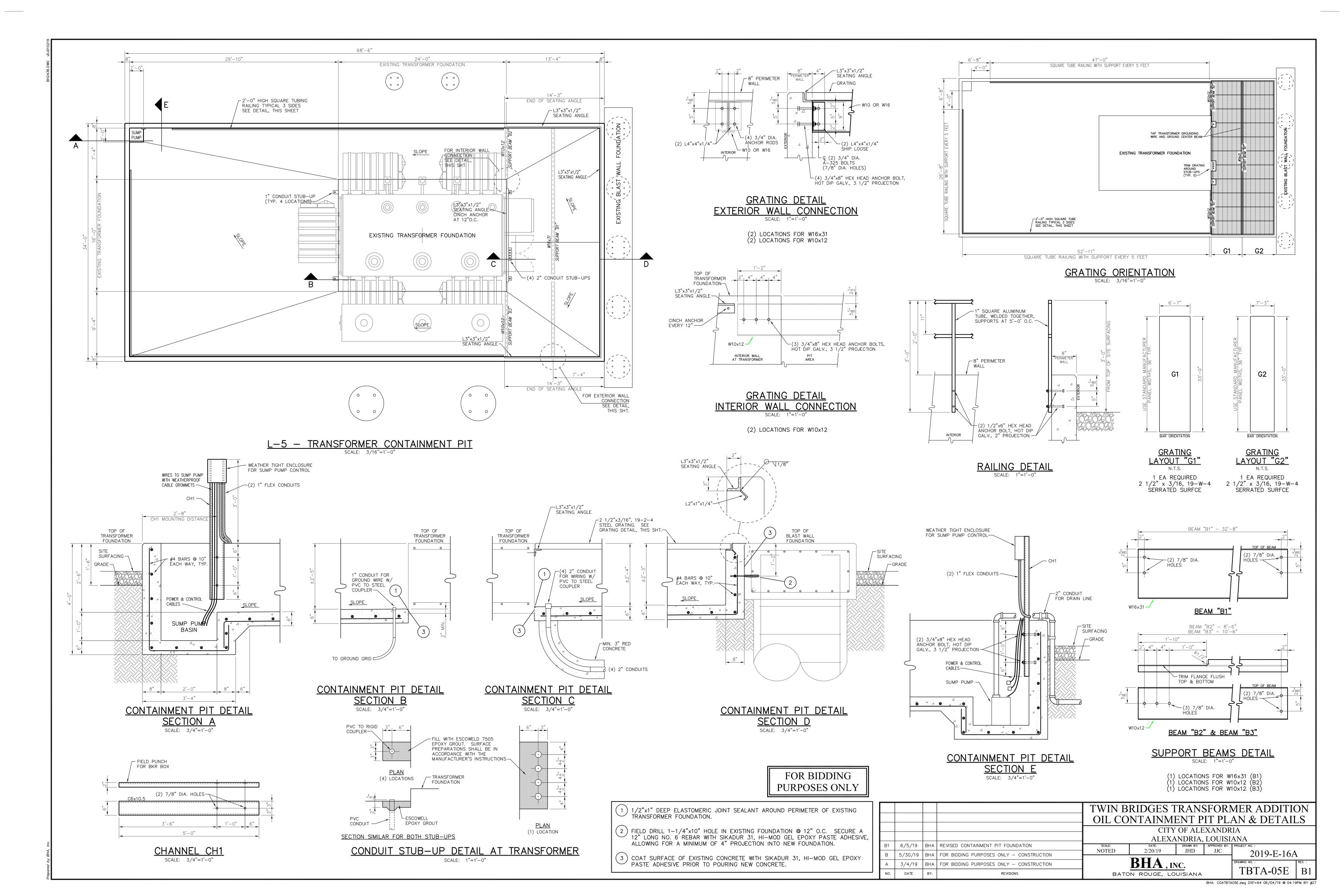
BHA: COATBTA05C.dwg DSF=16 06/04/19 @ 04:22PM BY #27

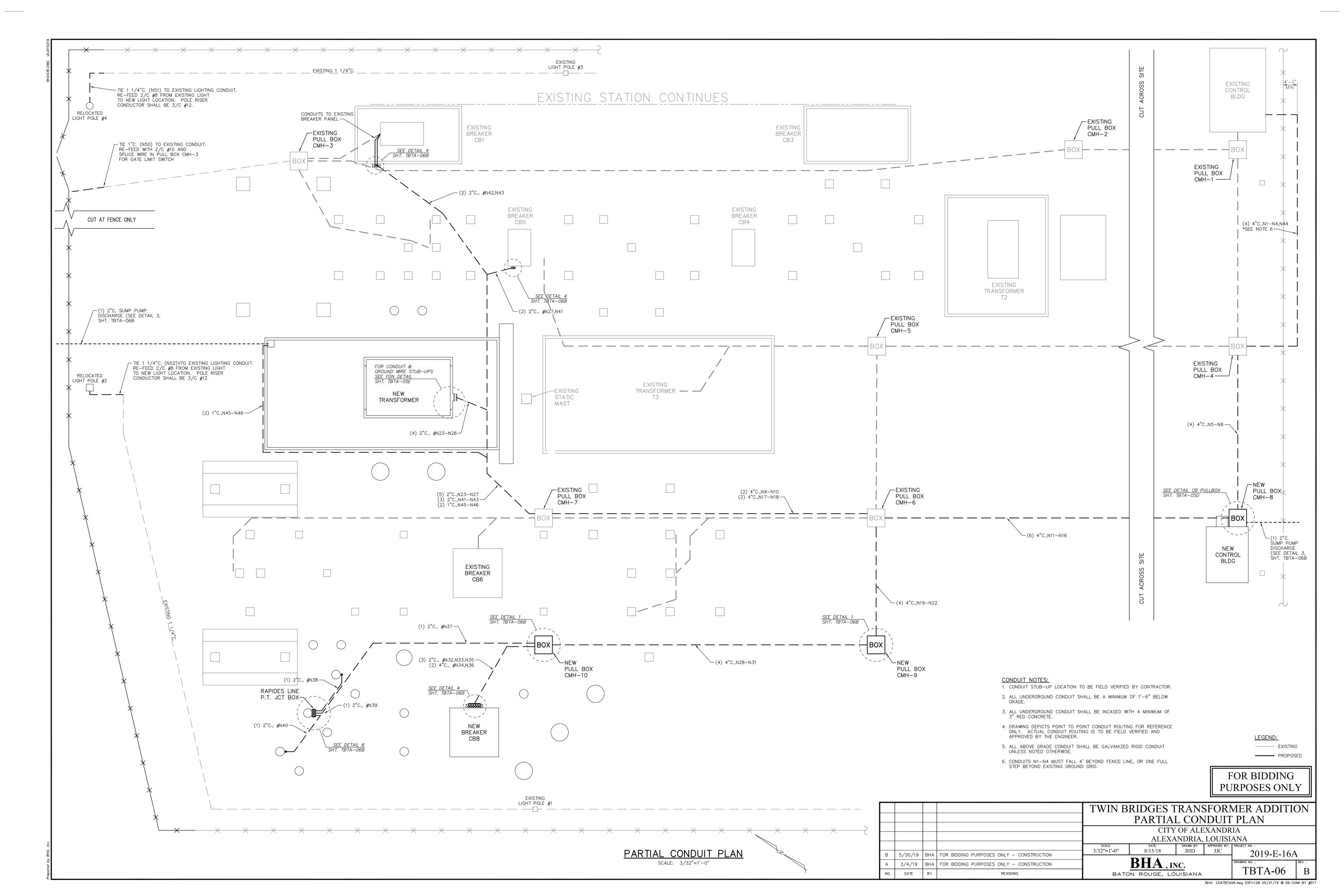
FOR BIDDING **PURPOSES ONLY** TWIN BRIDGES TRANSFORMER ADDITION FOUNDATION DETAILS CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA DATE: DRAWN BY: APPROVED BY: PROJECT N

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. :
TDT A

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					
1007	∠/∪ # ⁰	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

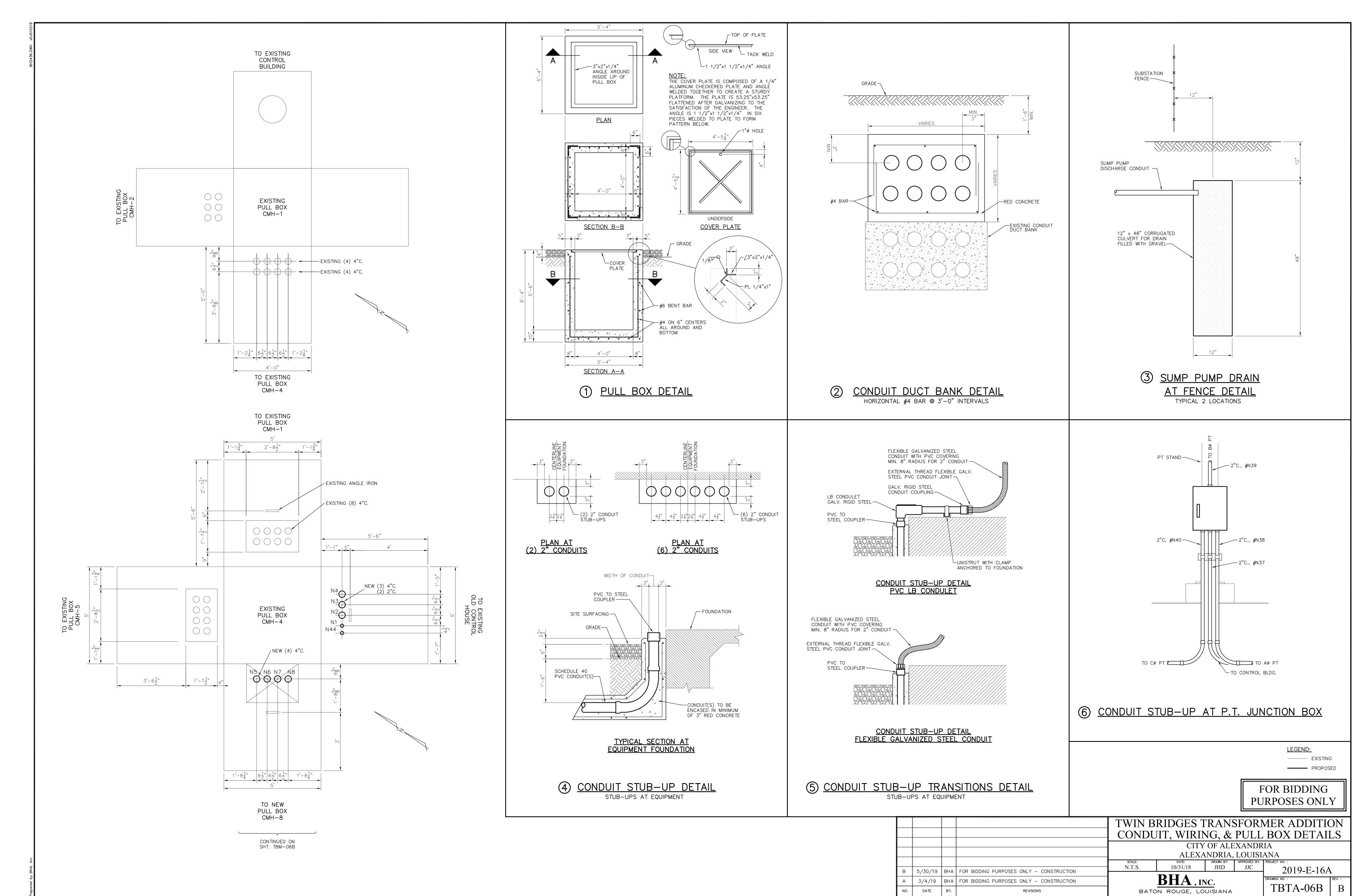
BHA, INC.

BATON ROUGE, LOUISIANA

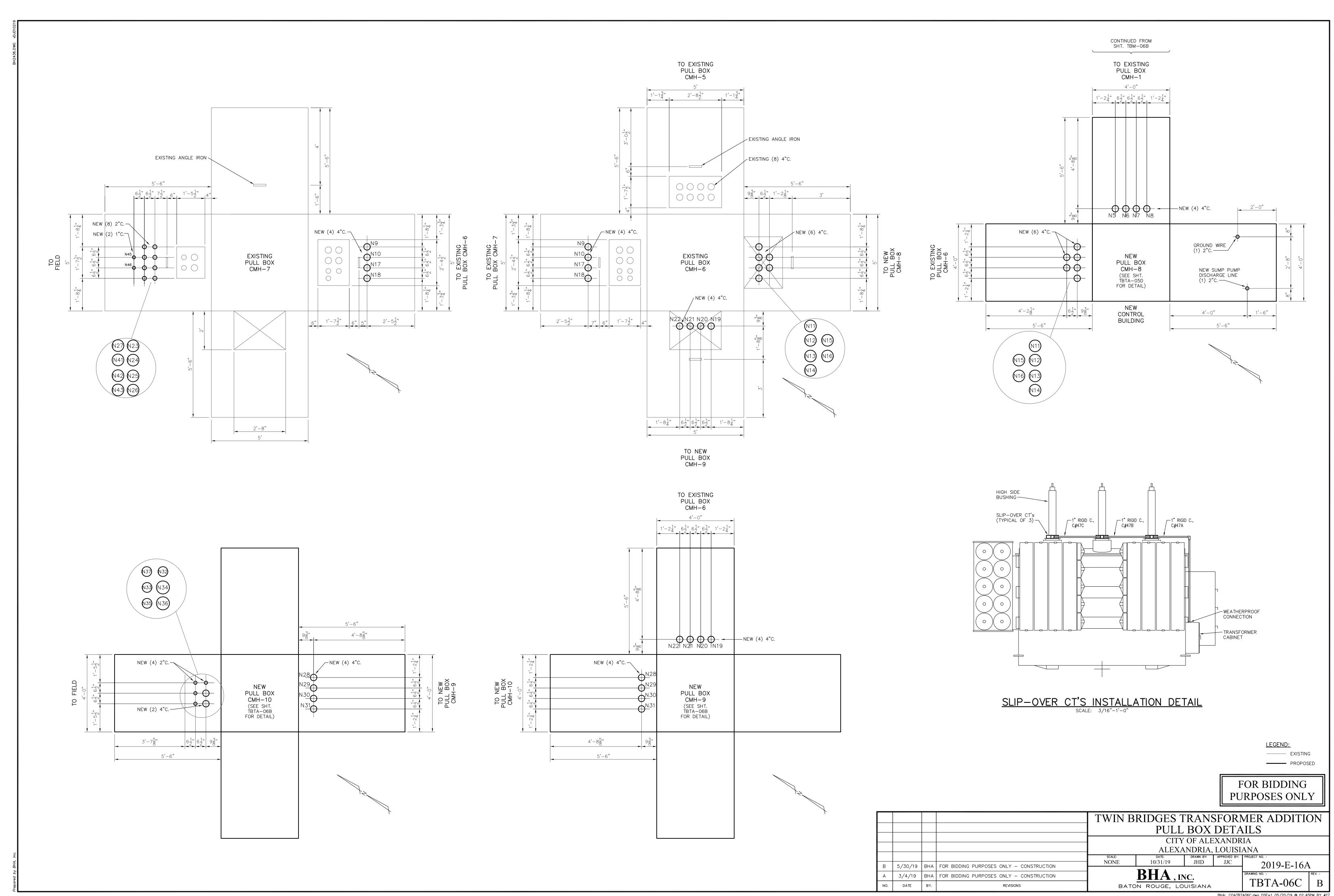
DRAWING NO.:

TBTA-06A2

B1



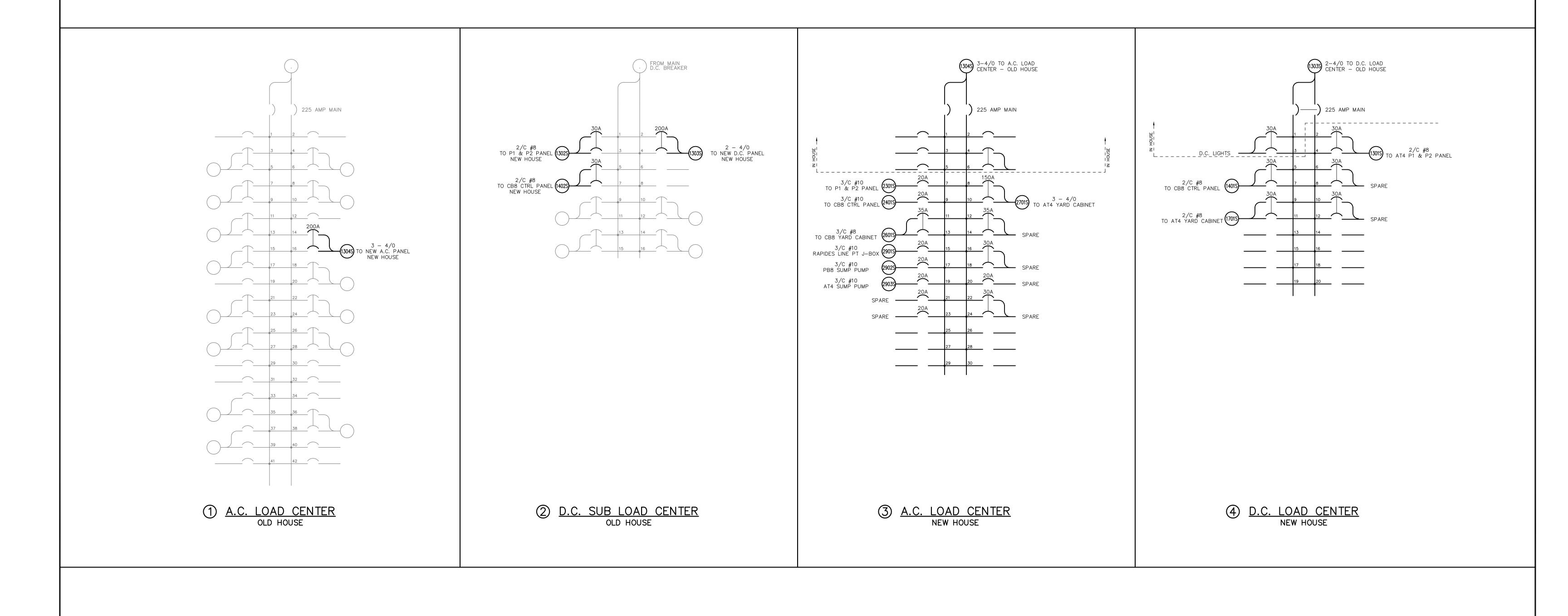
BHA: COATBTA06B.dwg DSF=1 05/20/19 @ 02:39PM BY #27



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

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

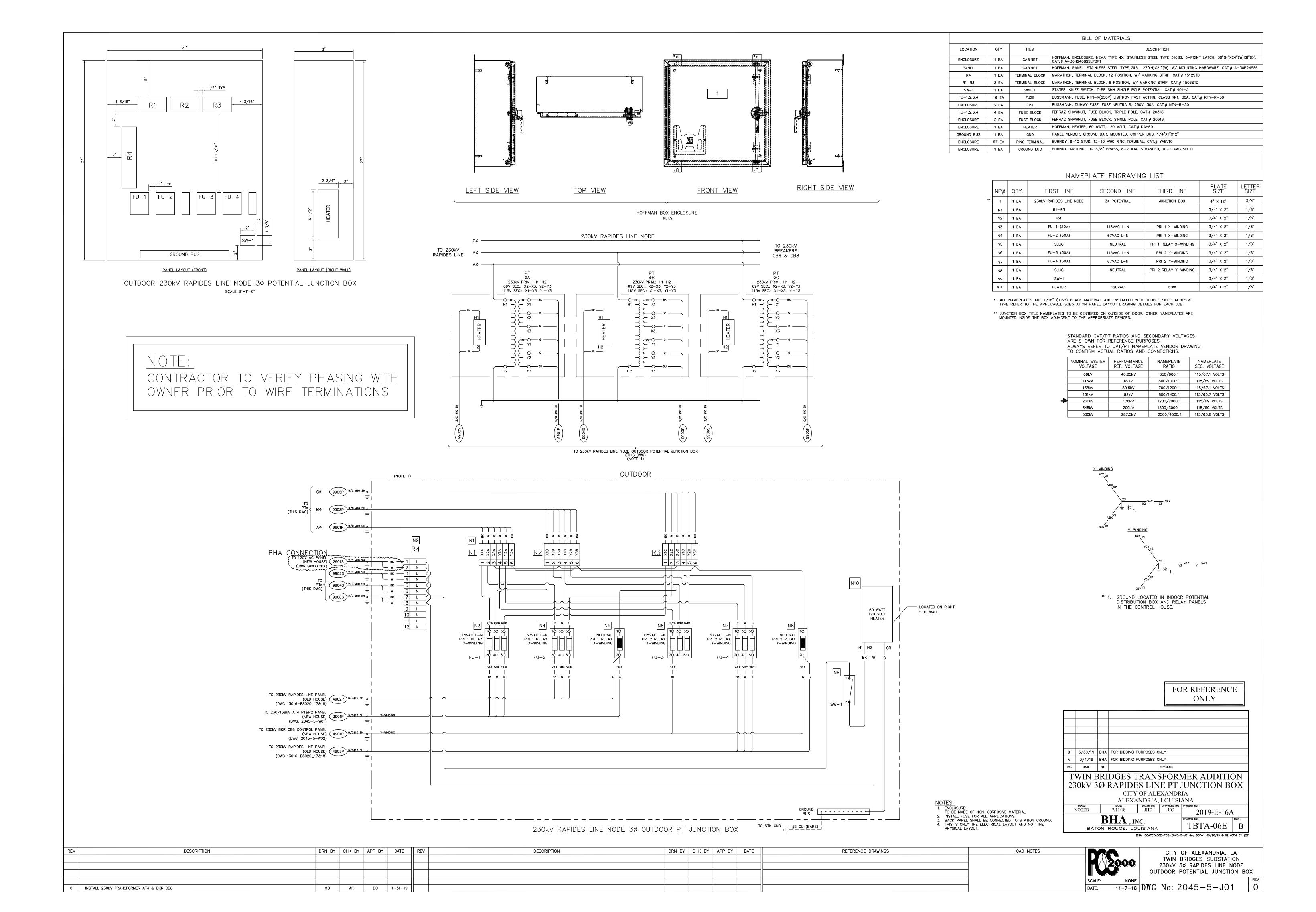
NEW HOUSE A.C. & D.C. PANELS

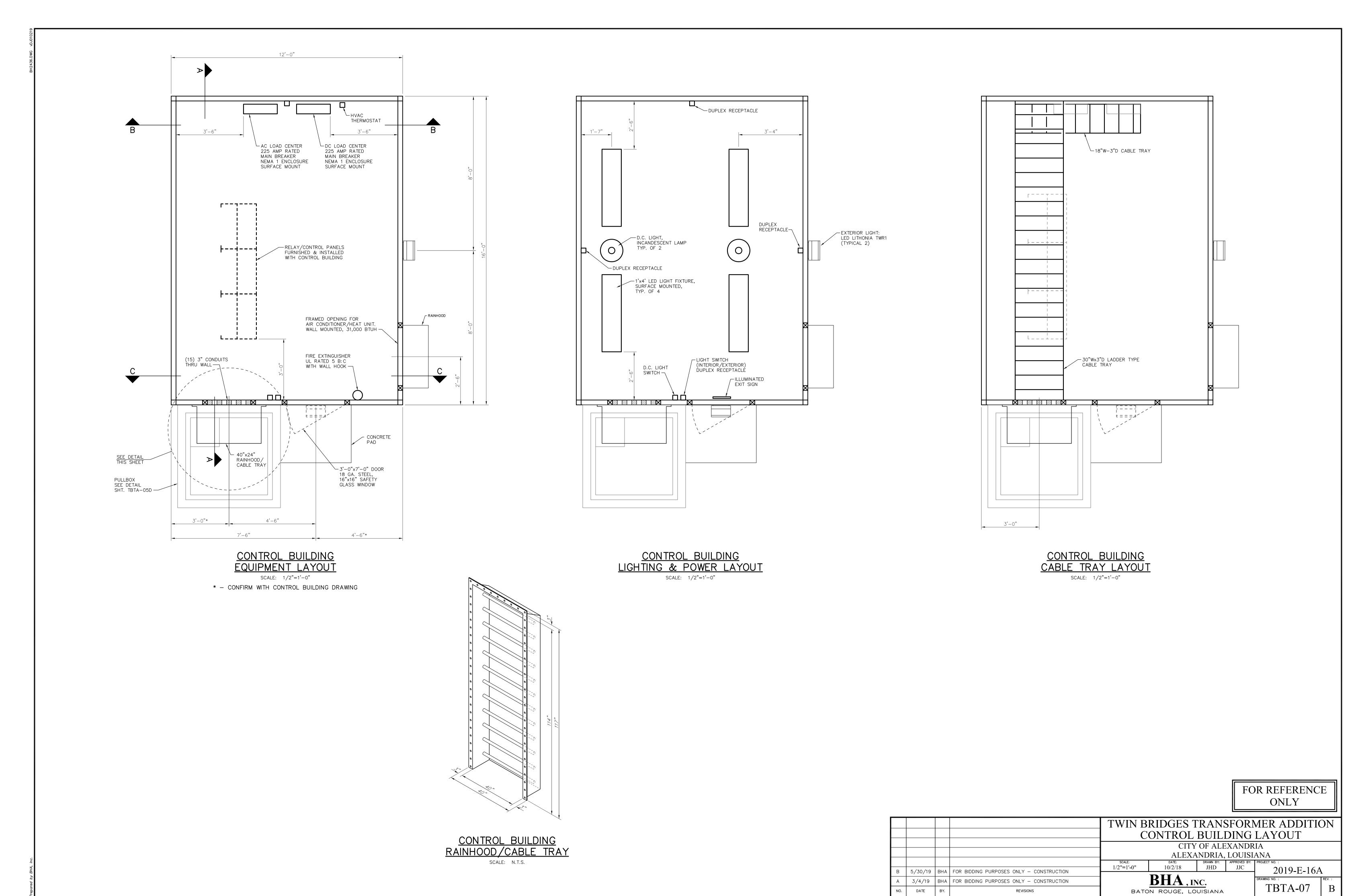


FOR BIDDING PURPOSES ONLY

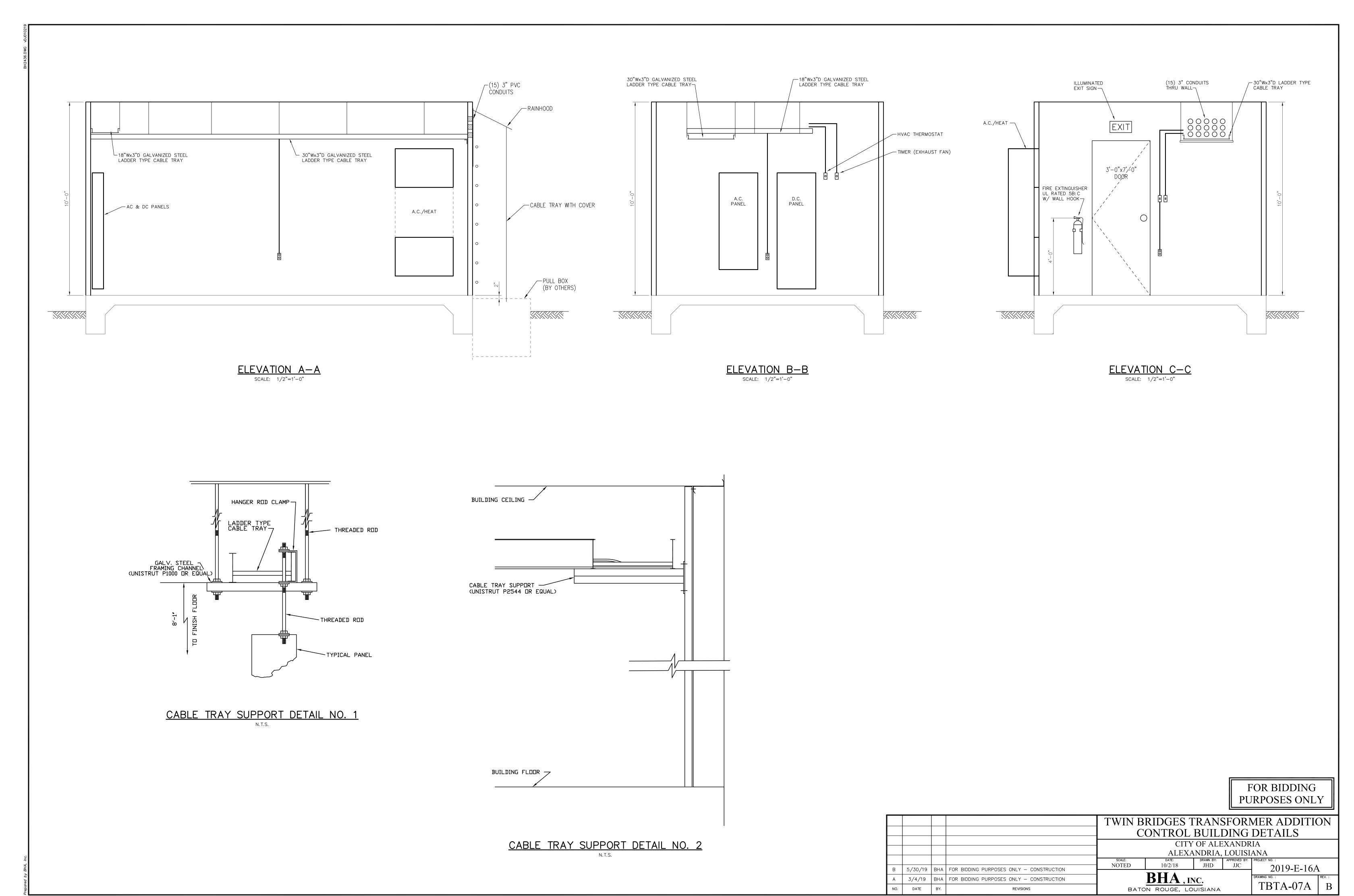
				TWIN B			SFORI PANE	MER ADDITION	ON		
				— CITY OF ALEXANDRIA — ALEXANDRIA, LOUISIANA							
	F /70 /10	DIIA	FOR RIDDING BURDOCES ONLY CONCERNATION	SCALE: N.T.S.	DATE: 2/18/19	DRAWN BY: JHD	APPROVED BY: JJC	PROJECT NO. : 2019-E-16A	\		
<u>В</u>	3/4/19		FOR BIDDING PURPOSES ONLY — CONSTRUCTION FOR BIDDING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

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

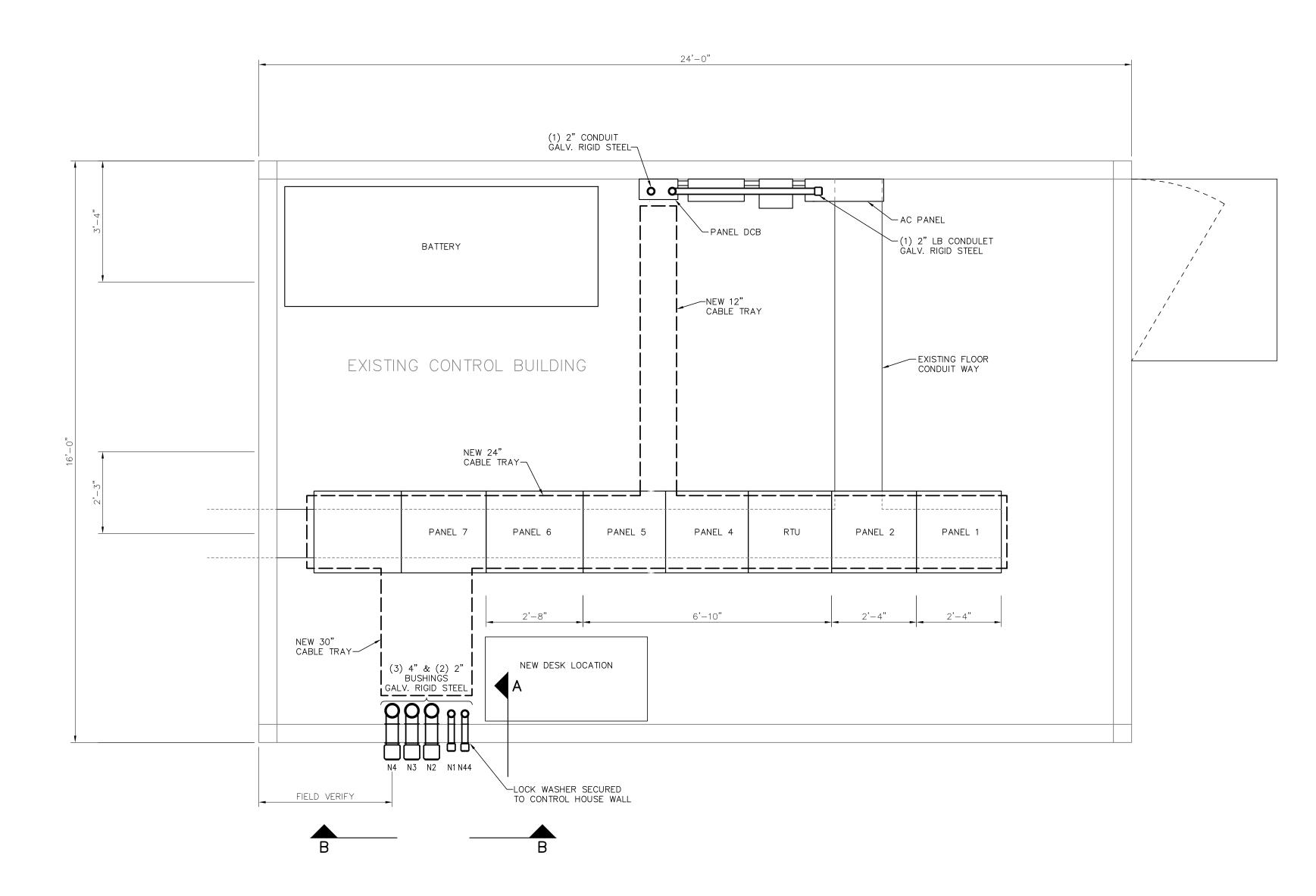


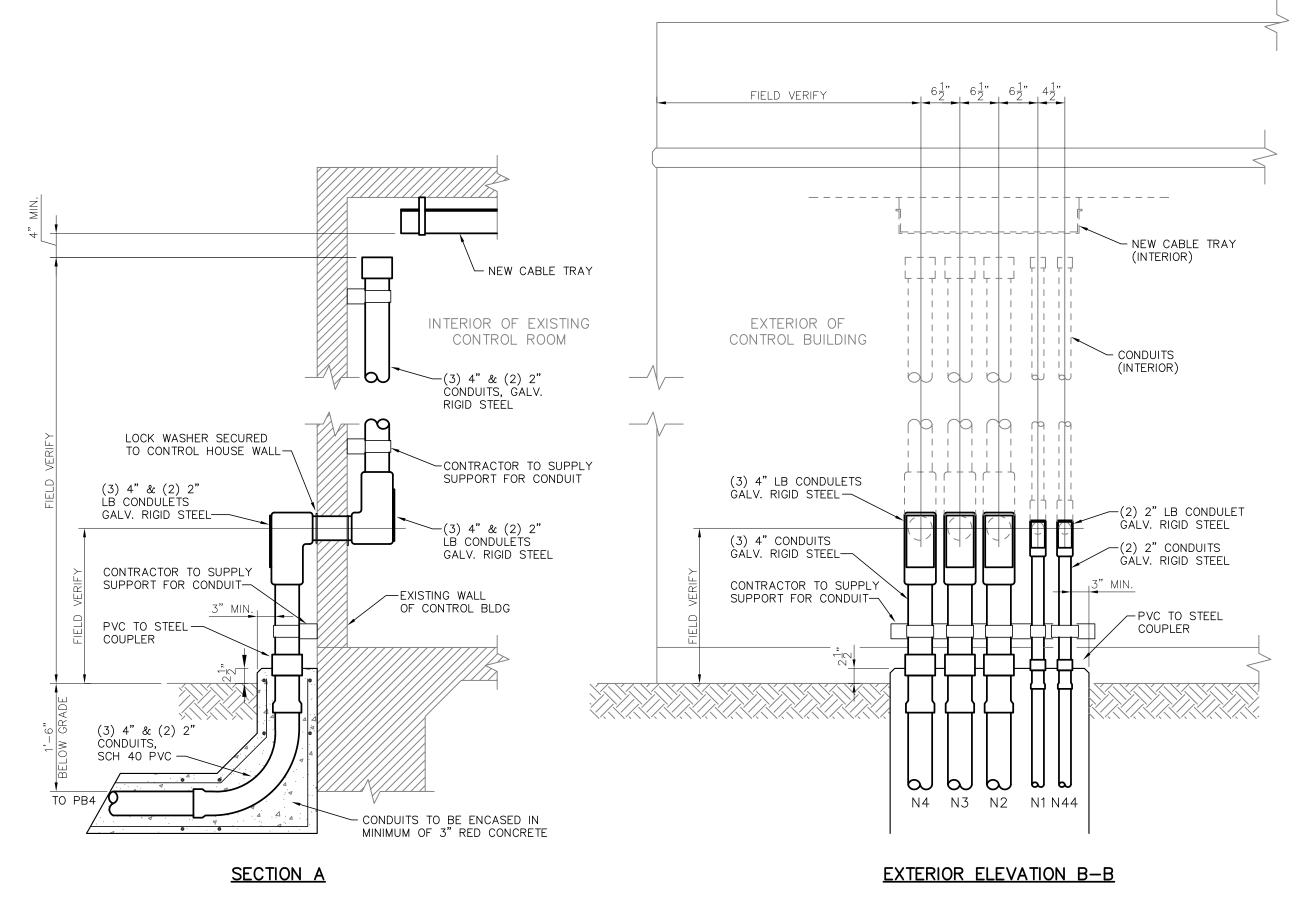


BHA: COATBTA07.dwg DSF=24 05/20/19 @ 02:50PM BY #27



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

				1 - '' '			<u> </u>	MER ADDITION LAYOU	<u> </u>		
				— CITY OF ALEXANDRIA ALEXANDRIA, LOUISIANA							
B2	6/24/19	ВНА	REVISED CONDUIT ACCESS & ADDED CABLE TRAY	scale: NOTED	DATE: 2/5/19	DRAWN BY:	APPROVED BY: JJC	PROJECT NO. :	1		
В	5/30/19	ВНА	FOR BIDDING PURPOSES ONLY — CONSTRUCTION				1 330	{ 2019-E-16 <i>₽</i>	A		
А	3/4/19	вна	FOR BIDDING PURPOSES ONLY - CONSTRUCTION		\mathbf{BHA}_{T}	DRAWING NO. :	REV. :				
NO.	DATE	BY.	REVISIONS	BATON ROUGE, LOUISIANA TBTA-07B							

BHA: COATBTA07B.dwg DSF=24 06/24/19 @ 10:14AM BY #27