APPENDIX C

SUBSTATION DRAWINGS

APPENDIX C TABLE OF CONTENTS SUBSTATION DRAWINGS

SINGER SUBSTATION

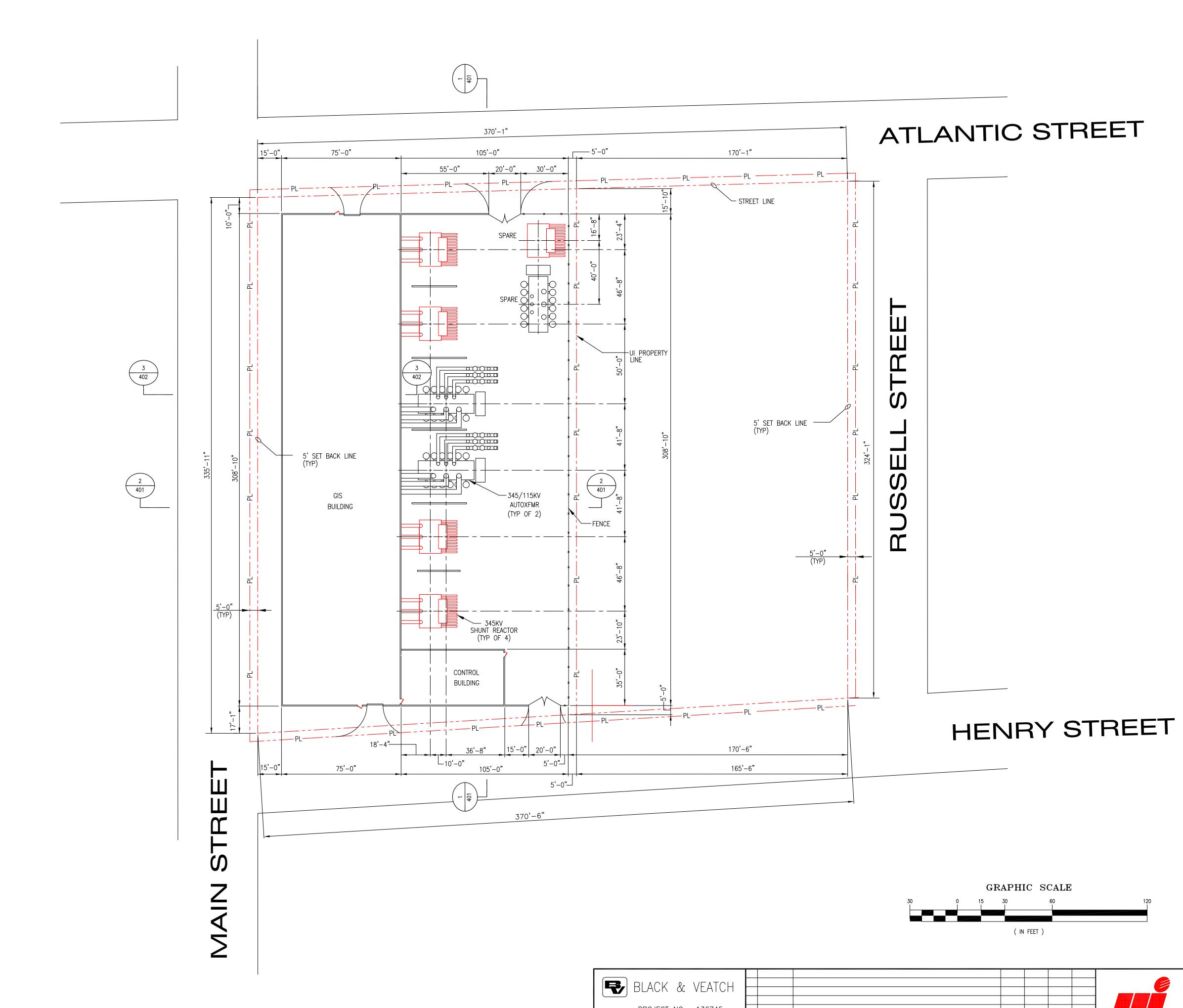
Drawing No.	Drawing Title
25251-400	Singer Substation Arrangement Plan
25251-401	Singer Substation Sections 1 and 2
25251-402	Singer Substation Section 3 - GIS Enclosure
25251-500	Singer Substation Grading Plan
25251-501	Singer Substation Foundation Plan
25251-502	Singer Substation Foundation Details GIS Enclosure
25251-503	Singer Substation Foundation Details Control Building
25251-504	Singer Substation Foundation Details 345kV Shunt Reactor
25251-505	Singer Substation Foundation Details 345/115kV Autotransformer
25251-506	Singer Substation Foundation Details Foundations 5,6,7, & 8

PEQUONNOCK SUBSTATION

Drawing No.	Drawing Title
25247-001	Pequonnock Substation Electrical Site Plan
25247-400	Pequonnock Substation 115kV Equipment Plan Elev. 57'-0" & Below
25247-400SH2	Pequonnock Substation 115kV Equipment Plan Elev. 57'-0" & Below (Bay 50 Extension)
25247-401	Pequonnock Substation Plan Elev. 66'-6"
25247-401 (SH2)	Pequonnock Substation Plan Elev. 66'-6" (Bay 50 Extension)
25247-405	Pequonnock Substation Sections A – A & B – B
25247-406	Pequonnock Substation Sections C – C & D – D
25247-406SH2	Pequonnock Substation Sections C – C & D – D (Con't) (Bay 50 Extension)
25247-407	Pequonnock Substation Section E – E
25247-430	Pequonnock Substation Section 6 – 6 (Bay 50 Extension)

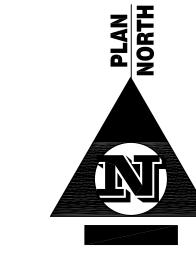
BRIDGEPORT ENERGY SWITCHYARD

Drawing No.	Drawing Title
25250-400	Bridgeport Energy Switching Station Switchyard Bus & Equipment Plan
25250-401	Bridgeport Energy Switching Station 115kV Switchyard Sections
25250-401 SH2	Bridgeport Energy Switching Station 115kV Switchyard Sections

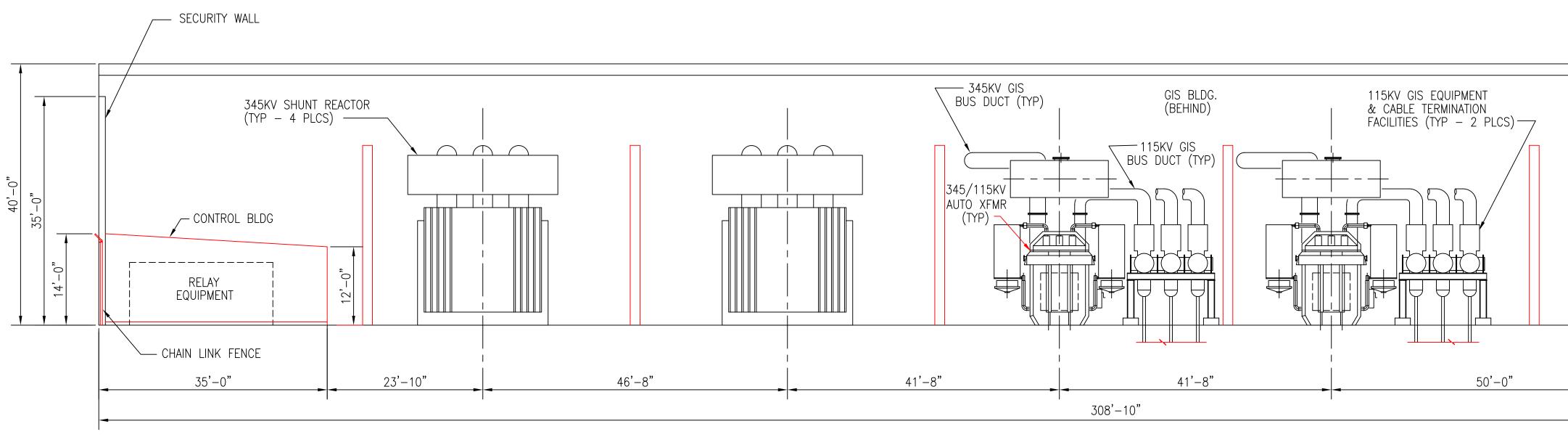


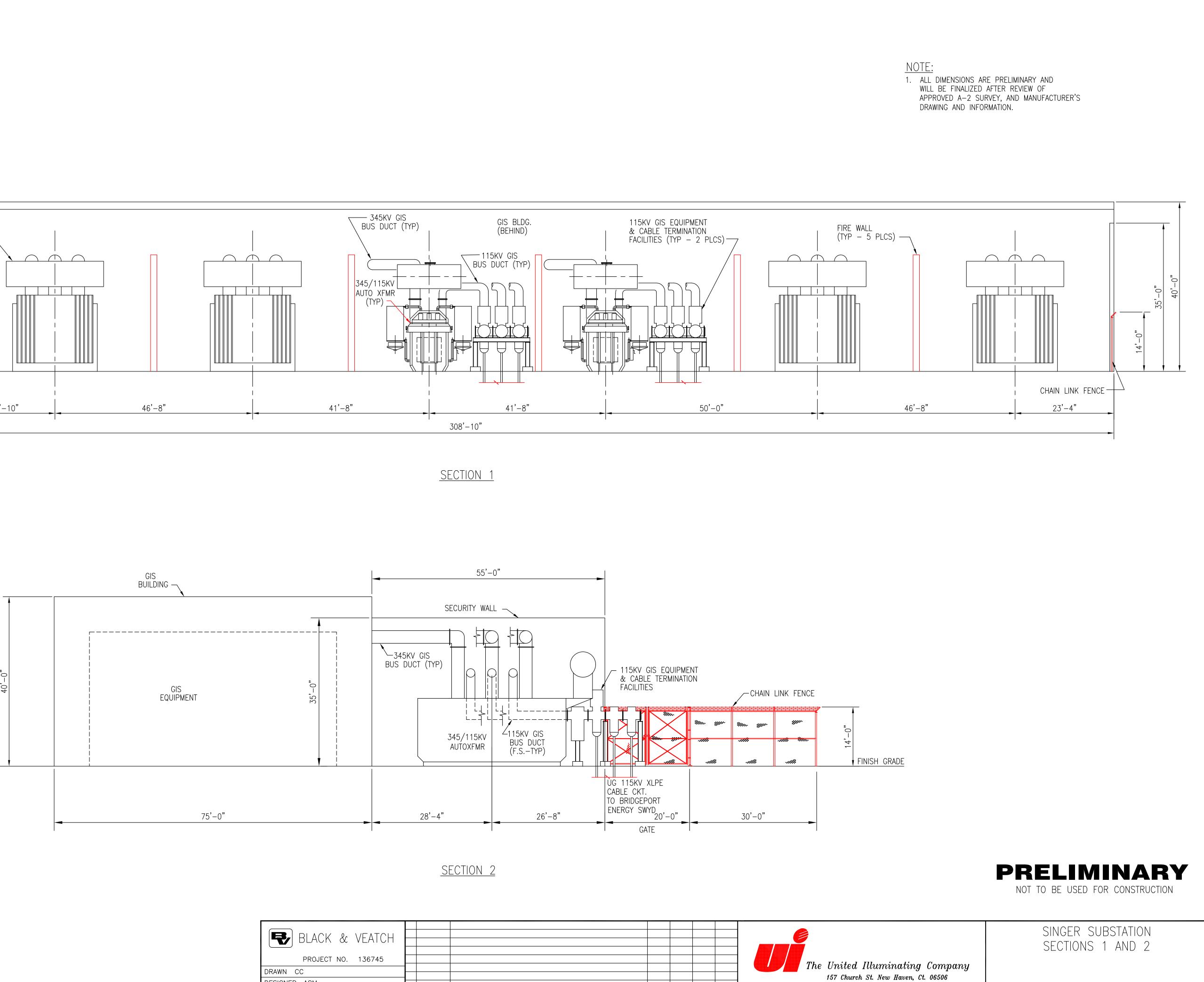
BLACK & VEATCH												NGER SUBS Rangemen	
PROJECT NO. 136745 DRAWN CC DESIGNED ACM									The United Illum 157 Church St. Neu				
APPROVED CHECKED	0 No	04-11-05 Date	INITIAL ISSUE Revision	cc By	Chkd	ACM . Engr. S	Supv.	Drawn Chkd	Date Design Engr	Scale: 1"=30'-0" Design Supv	CAD FILE NAME	SEQUENCE No.	drawing number 25251-400

- NOTE:
- ALL DIMENSIONS ARE PRELIMINARY AND WILL BE FINALIZED AFTER REVIEW OF APPROVED A-2 SURVEY, AND MANUFACTURER'S DRAWING WITH INFORMATION.



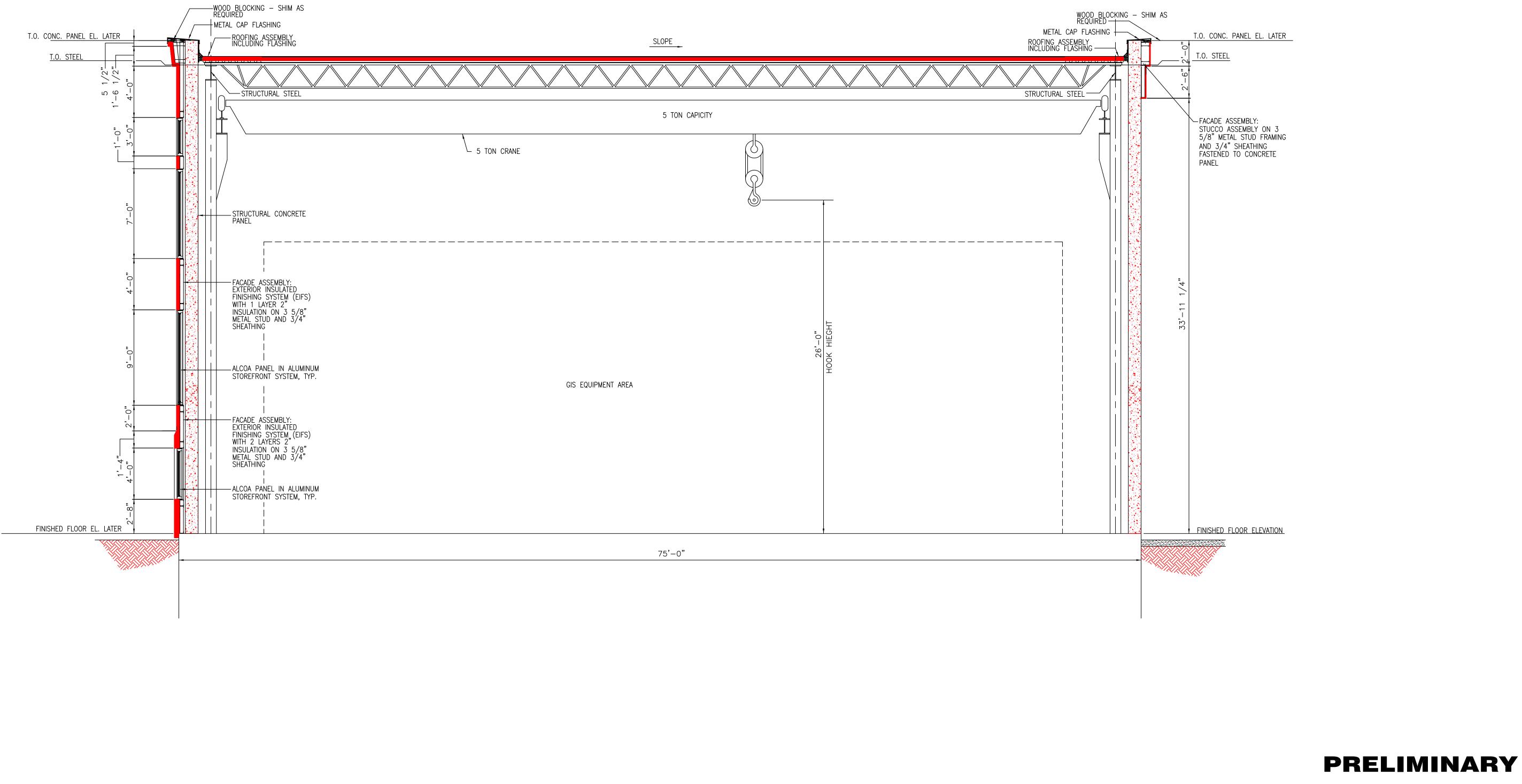






BLACK & VEATCH								
PROJECT NO. 136745								
DRAWN CC								
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CHECKED	No	Date	Revision	Ву	Chkd.	Engr.	Supv.	Chkd.

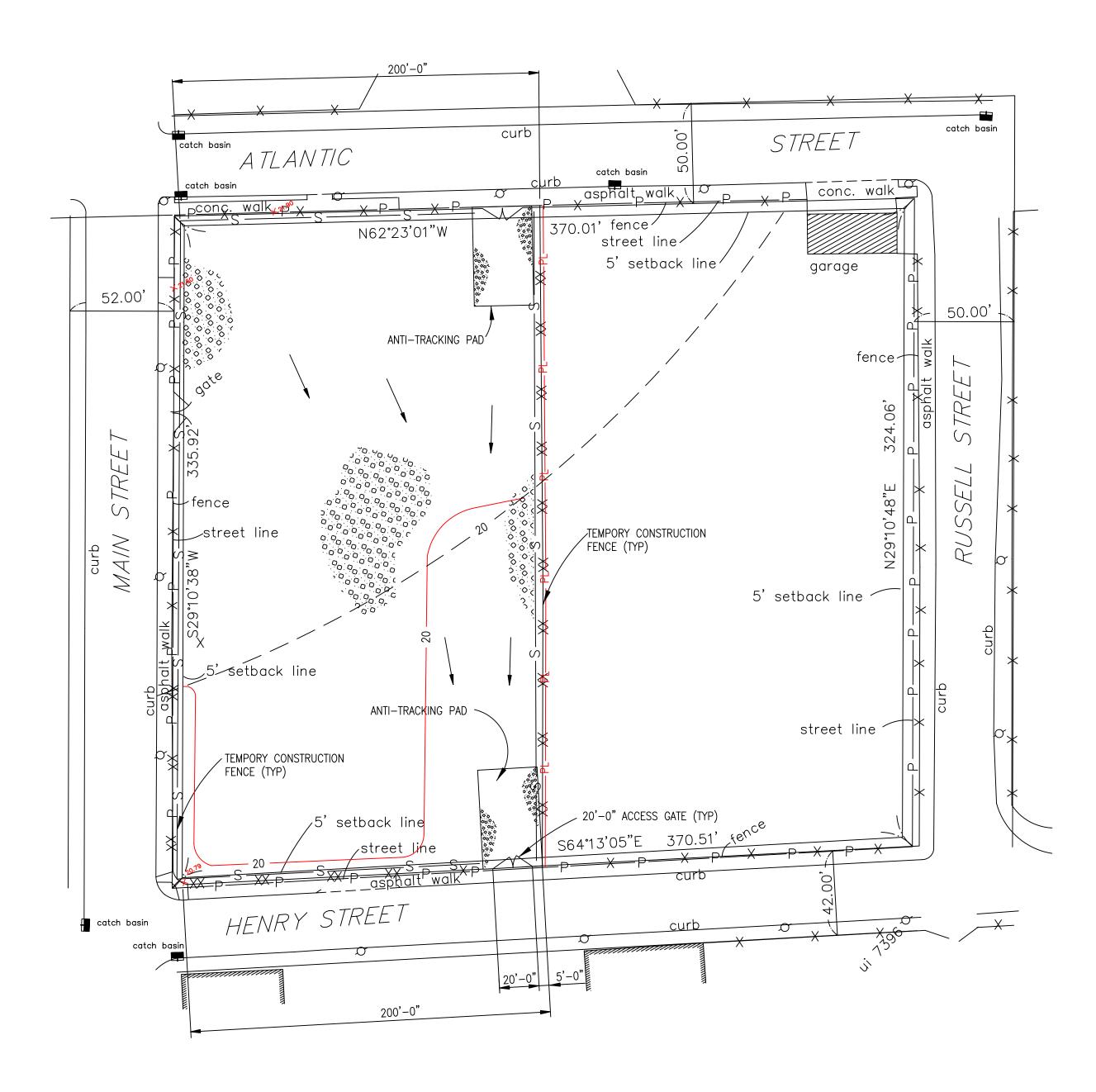
_ Scale: 3/32"=1'-0" CAD FILE NAME SEQUENCE No. Date DRAWING NUMBER 25251-401 _Design Engr._ _Design Supv._



ſ	BLACK & VEATCH									6			SIN	IGER SUBS	TATION
	UDLACK & VLATCH												SECTIO	N 3–GIS E	INCLOSURE
	PROJECT NO. 136745										The United Illeron	in atin a Commany			
	DRAWN CC										The United Illum				
	DESIGNED ACM	\vdash									157 Church St. Neu	v Haven, Ct. 06506			
Ē	APPROVED	0	04-11-05	INITIAL ISSUE	(CC		ACM		Drawn	Date	Scale: 1/4"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
	CHECKED	No	Date	Revisio	on E	Зу 🛛	Chkd.	Engr.	Supv.	 Chkd	Design Engr	Design Supv			25251-402

NOTE:

ALL DIMENSIONS ARE PRELIMINARY AND WILL BE FINALIZED AFTER REVIEW OF APPROVED A-2 SURVEY, AND MANUFACTURER'S DRAWING AND INFORMATION.



GRAPHIC SCALE 20 0 10 20 40 80 (IN FEET)

BLACK & VEATCH										SIN	IGER SUBS	TATION
PROJECT NO. 136745											grading f	PLAN
DRAWN CC					-			The United Illumit 157 Church St. New				
DESIGNED ACM	0.04	11 05	INITIAL ISSUE	00			Drawn		Scale: 1"=40'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
APPROVED CHECKED		Date	Revision	By	С	ACM Chkd. Engr. Supv.	Drawn Chkd	Date Design Engr	Design_Supv			25251-500

NOTES:

- 1. THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20. THE TYPE OF SURVEY IS A PROPERTY SURVEY. THE DETERMINATION CATEGORY IS A RESURVEY AND THE CLASS OF ACCURACY IS A-2.
- 2. REFERENCE IS MADE TO THE FOLLOWING MAP: A) "MAP #529, BLOCK MAP, CITY OF BRIDGEPORT B) "UNITED ILLUMINATING COMPANY, BRIDGEPORT HARBOR STATION, BRIDGEPORT, CONNECTICUT, SCALE 1"=100', REVISED TO APRIL 12, 1999" AS PREPARED BY CLARENCE BLAIR ASSOCIATES, INC, NEW HAVEN, CONNECTICUT.
- 3. PROPERTY IS ZONED I–HI (INDUSTRIAL HEAVY ZONE) MINIMUM SETBACK FROM STREET LINE = 5 FEET MAXIMUM LOT COVERAGE = 100% (SEE TABLE 7.2.3 CITY OF BRIDGEPORT ZONING REGULATIONS)
- 4. BEARINGS ARE BASED ON UNIT 3, BRIDGEPORT HARBOR STATION BASE LINE
- 5. CONTOURS SHOWN REPRESENT SUBGRADE ELEVATIONS. SUBGRADE IS DEFINED AS ELEVATION PRIOR TO AGGREGATE SURFACING OR ROAD SURFACING.
- 6. AGGREGATE SURFACING SHALL EXTEND TO FENCE OR AS DIRECTED BY UNITED ILLUMINATING CO.

BENCHMARKS

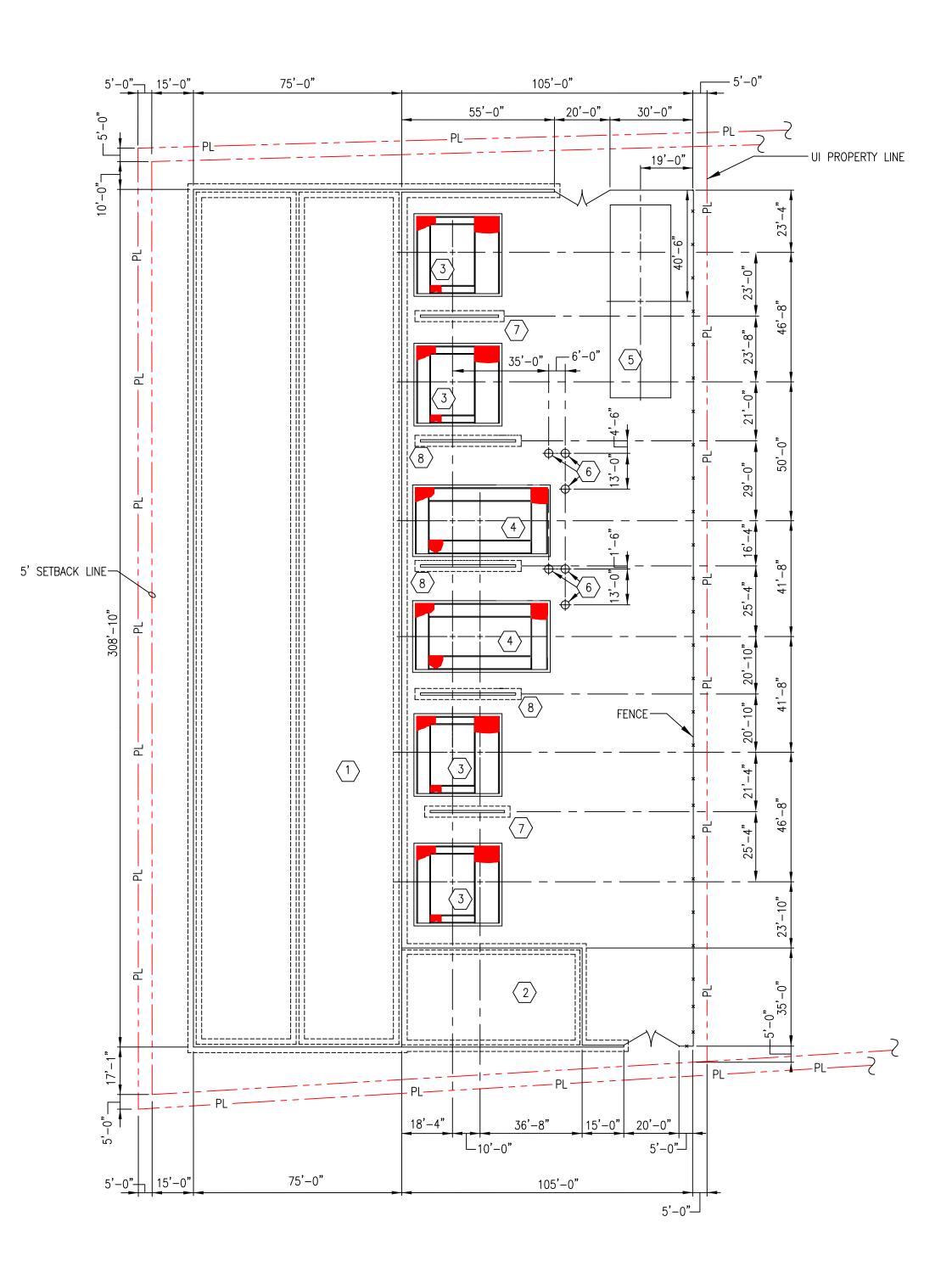
 \bullet (LATER)

<u>LEGEND</u>

×	SPOT ELEVATION
	AGGREGATE SURFACING (6" LAYER)
	EXISTING CONTOURS
	NEW CONTOURS
X X	EXISTING FENCE
XX XX	NEW FENCE
—— S ——	TEMPORARY SEDIMENT FENCE
—— P ——	PROPERTY LINE
•	DRAINAGE FLOW PATH







			GRA	PHIC	SCA	LE
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				SCALE: 1'=3	50'-0"	

PROJECT NO. 136745	Image: Constraint of the second of			SINGER SUBSTATION FOUNDATION PLAN
DRAWN CC			The United Illuminating Company 157 Church St. New Haven, Ct. 06506	
DESIGNED ACM			157 Church St. New Huben, Ct. 00500	
APPROVED	0 04–11–05 INITIAL ISSUE	CC ACM	Drawn Date04/11/05 Scale: 1"=30'-0"	CAD FILE NAME SEQUENCE No. DRAWING NUMBER
CHECKED	No Date Revision	By Chkd. Engr. Supv.	Chkd Design Engr Design Supv	25251-501

	FOUNDATION IDENTIFICATION
FDN NO.	DESCRIPTION
1	GIS BUILDING FOUNDATION
2	CONTROL BUILDING FOUNDATION
3	345KV SHUT REACTOR FOUNDATION
4	345/115KV AUTOTRANSFORMER FOUNDATION
5	SPARE REACTOR AND TRANSFORMER FOUNDATION
6	115KV GIS EQUIPMENT TERMINATION FOUNDATION
7	345KV SHUNT REACTOR FIREWALL FOUNDATION
8	345/115KV AUTOTRANSFORMER FIREWALL FOUNDATION

<u>NOTES</u>

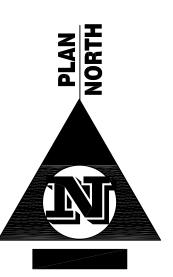
- 1. FOUNDATION CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE UI CONSTRUCTION SPECIFICATION.
- 2. MINIMUM STRENGTH OF CONCRETE AT 28 DAY TESTING (F'c) SHALL BE 4000 PSI.
- 3. ALL REINFORCING STEEL SHALL BE ASTM A615. GRADE 60.
- 4. ALL FOUNDATION TOP OF CONCRETE ELEVATIONS (TOC EL.) AS NOTED.
- 5. ALL DIMENSIONS ARE PRELIMINARY AND WILL BE FINALIZED AFTER REVIEW OF APPROVED MANUFACTURER'S DRAWINGS AND INFORMATION..

<u>LEGEND</u>

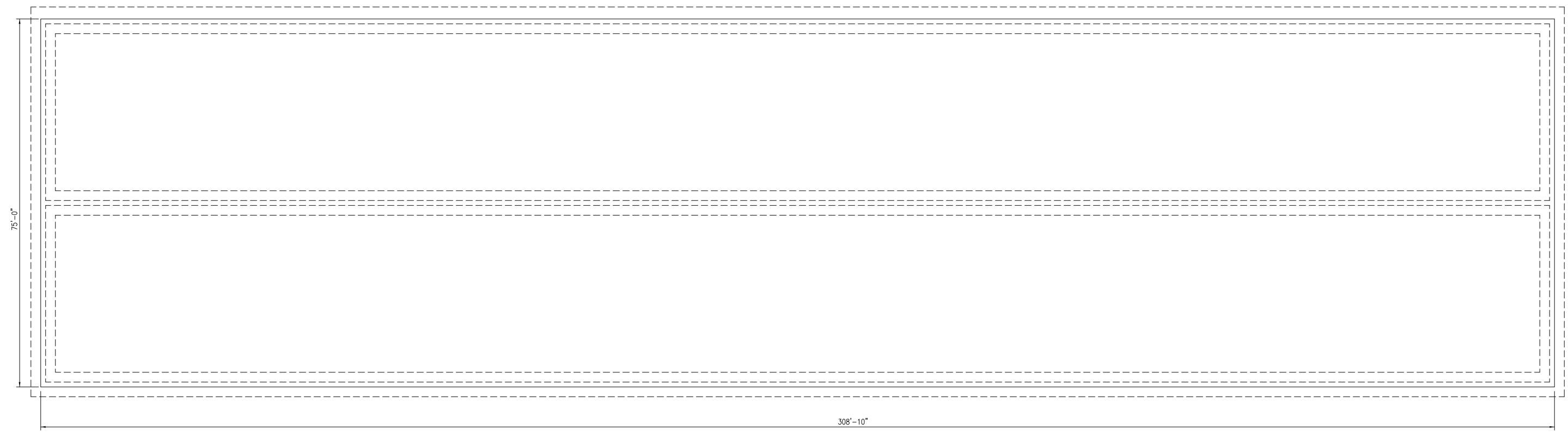
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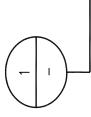
FOUNDATION IDENTIFICATION

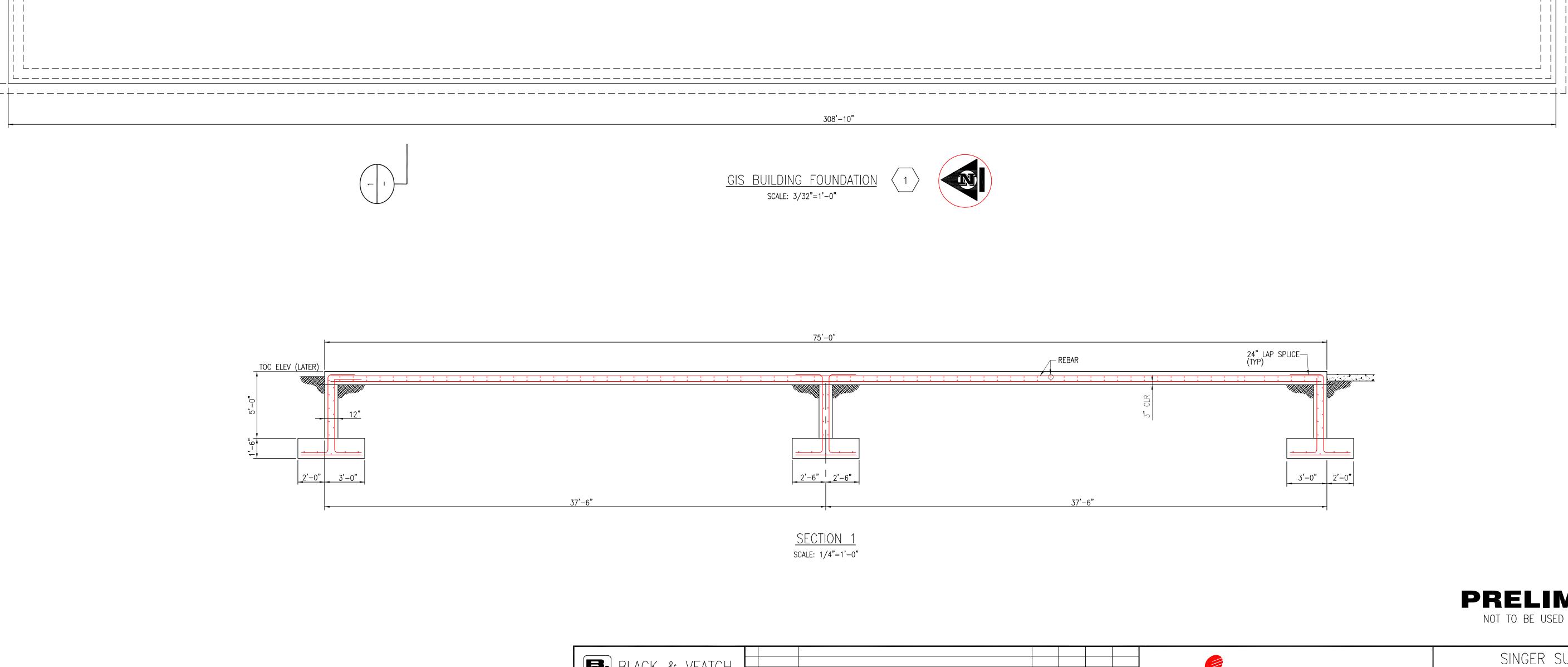
0 FOUNDATION LOCATION







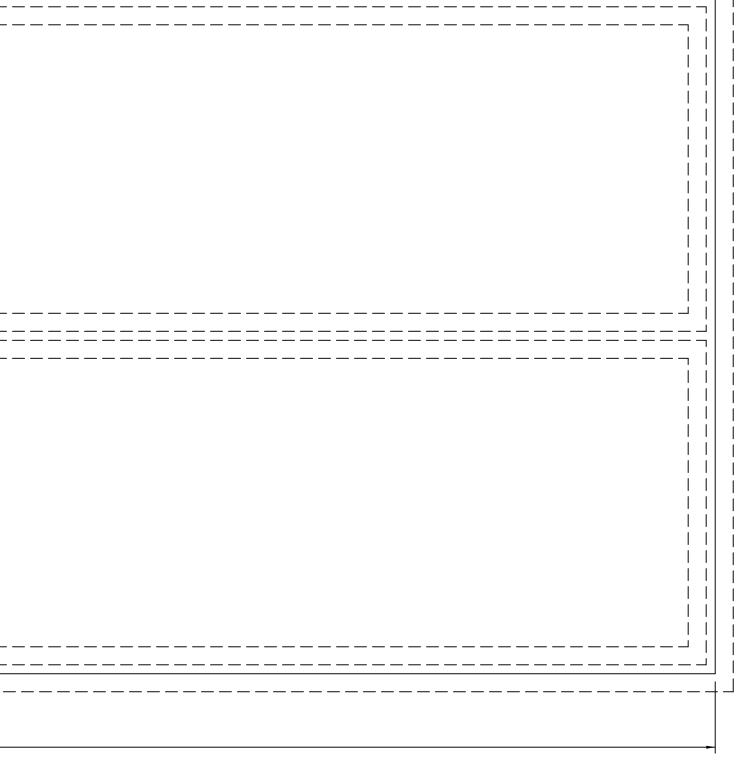




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DLACK & VLATCH								
PROJECT NO. 136745								
DRAWN CC								
DESIGNED ACM								
APPROVED	0	04-11-05	INITIAL ISSUE	CC		ACM		Drawn
CHECKED	No	Date	Revision	Вy	Chkd.	Engr.	Supv.	Chkd

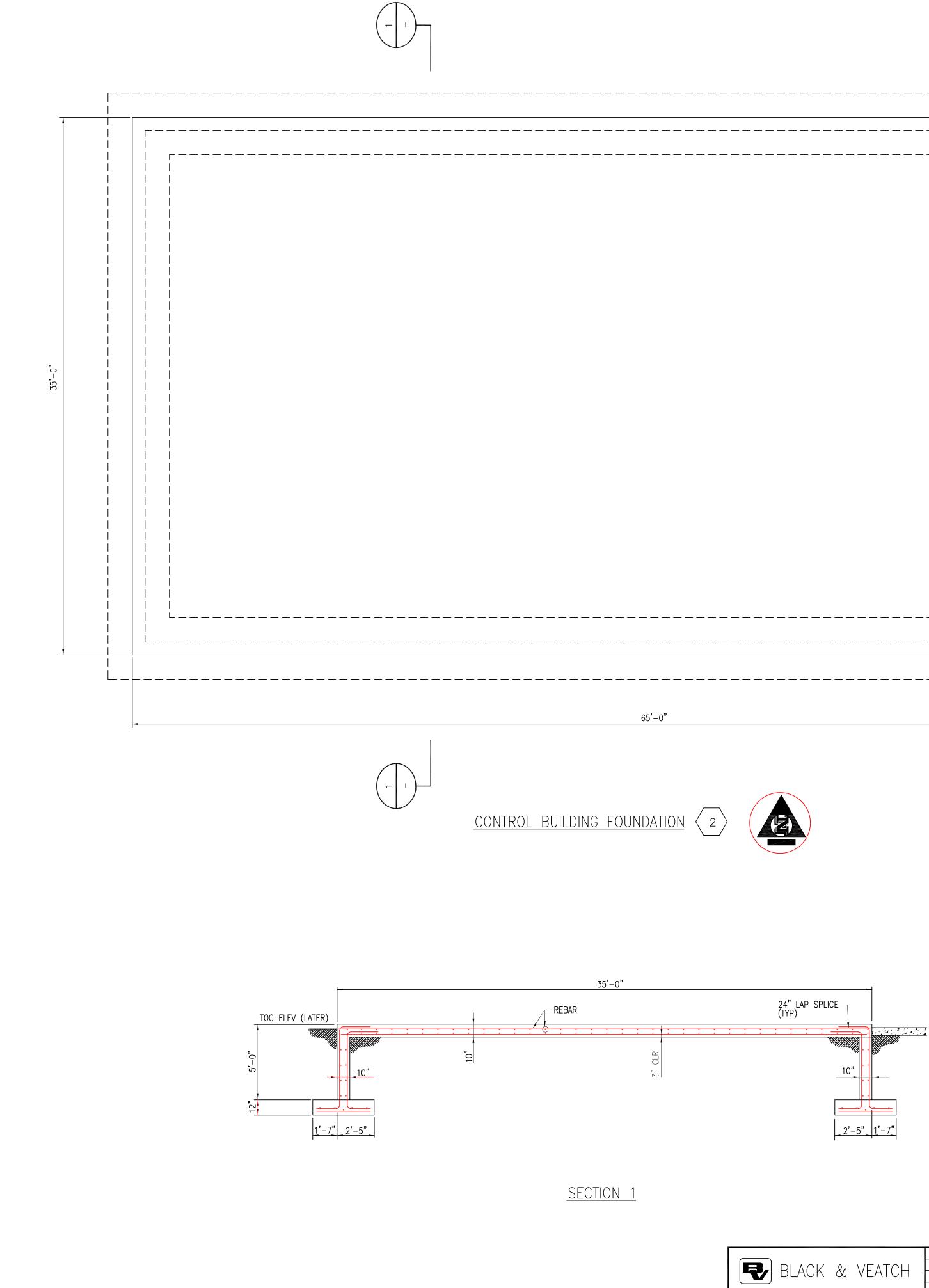
<u>NOTES;</u>

- 1. ALL ABOVE GRADE FOUNDATION EDGES SHALL HAVE A 1" CHAMFER UNLESS NOTED OTHERWISE.
- 2. ALL ABOVE GRADE FOUNDATIONS SLABS SHALL RECEIVE A LIGHT BROOM FINISH.
- 3. CONTRACTOR SHALL MOISTEN EXISTING SOIL PRIOR TO PLACING CONCRETE TO PREVENT MOISTURE LOSS FROM CONCRETE.
- 4. PIERS SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE TOP SECTION FORMED AS INDICATED ON DETAIL.
- 5. CONTRACTOR SHALL PLACE REINFORCING BARS TO PREVENT INTERFERENCE WITH LOCATION OF ANCHOR BOLTS.
- 6. ALL DIMENSIONS ARE PRELIMINARY AND WILL BE FINALIZED AFTER REVIEW OF APPROVED MANUFACTURERS DRAWINGS AND INFORMATION.





Th	e United Illumina 157 Church St. New Ha	* - *	FOL	IGER SUBS JNDATION [GIS ENCLOS	DETAILS		
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d	Design Engr	Design Supv			25251-502		

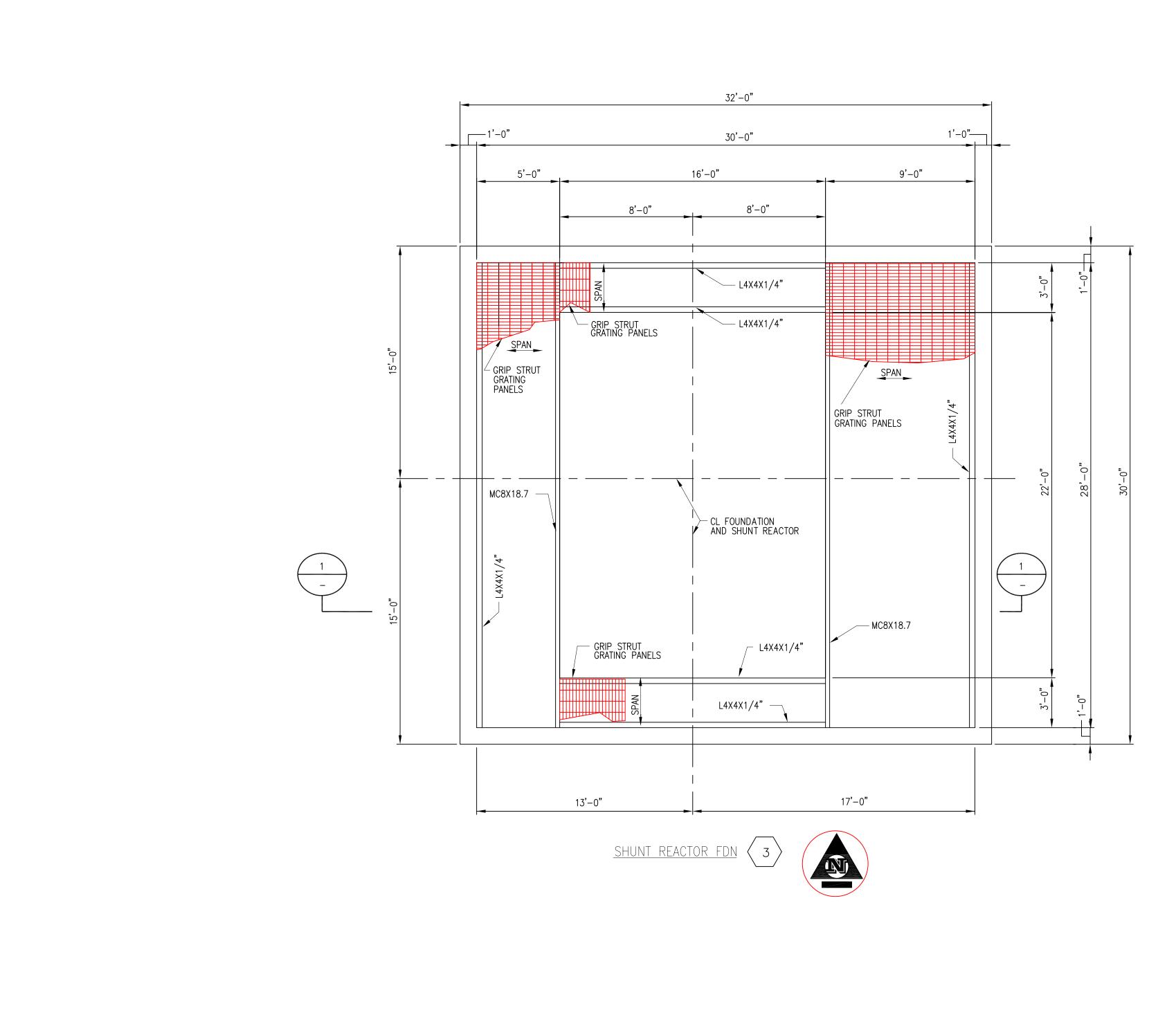


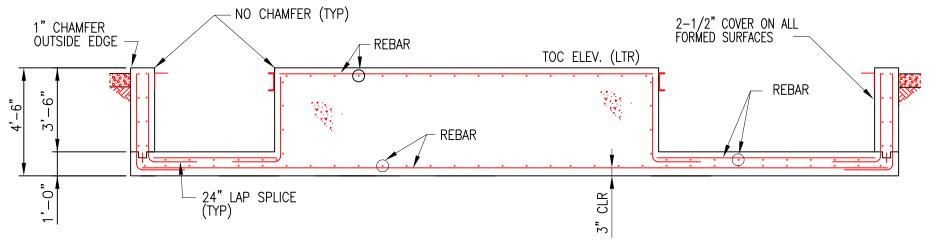
	i i i
	i i
65'-0"	

BLACK & VEATCH											FOL	NGER SUBST	ETAILS
PROJECT NO. 136745 DRAWN CC									The United Illumine 157 Church St. New H		C	ONTROL BUI	LDING
DESIGNED ACM													
APPROVED	0 04-11-05	INITIAL ISSUE		CC		ACM		Drawn	Date	_ Scale: 1/4"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
CHECKED	No Date	R	evision	By	Chkd. E	Engr.	Supv.	Chkd	Design Engr	_ Design Supv			25251-503

NOTES; 1. REFER TO DWG 25251-502 FOR NOTES.







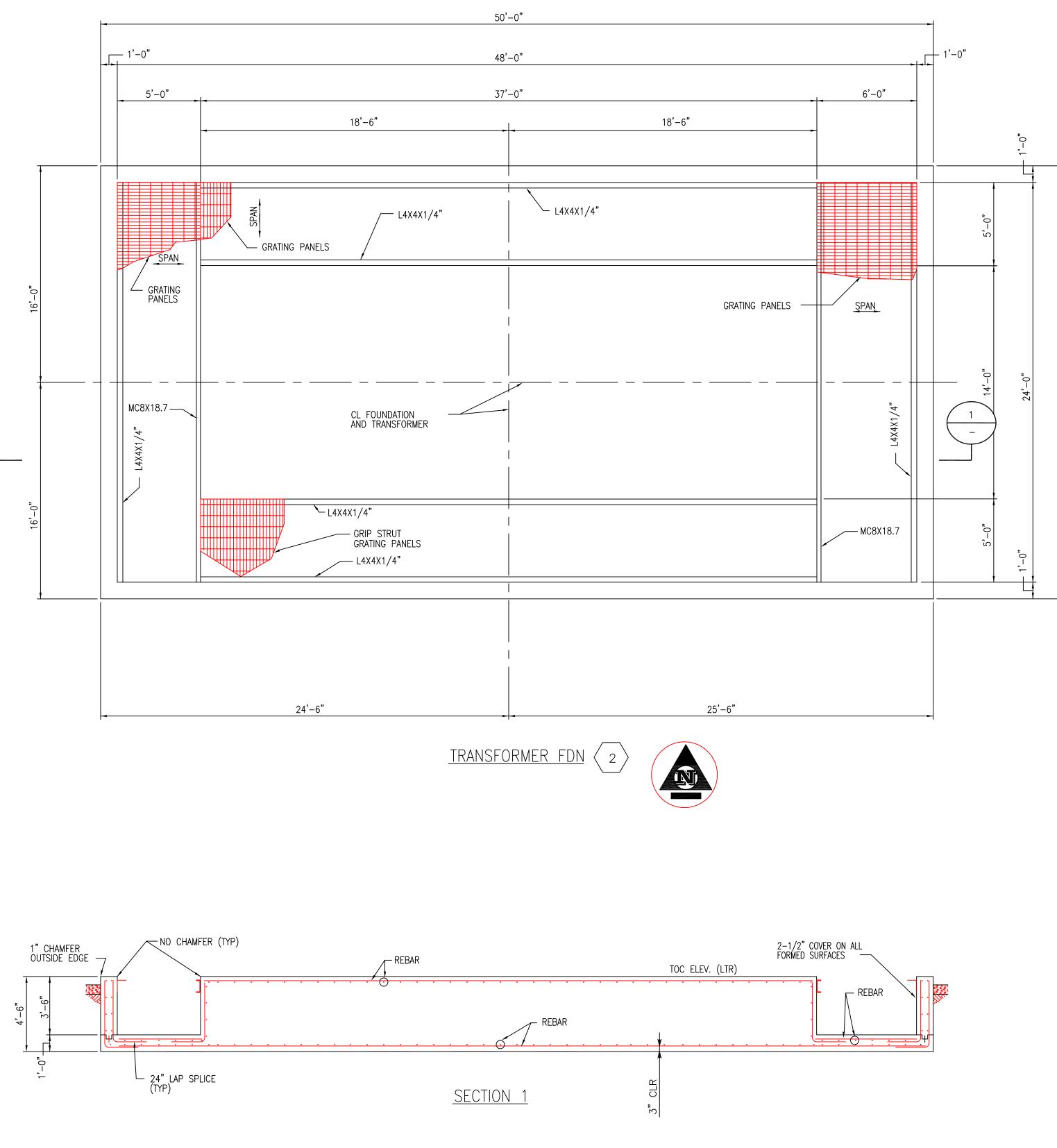
SECTION 1

BLACK & VEATCH											NGER SUBS	
PROJECT NO. 136745								The United Illumin	ating Commany		JNDATION E (V SHUNT F	
DRAWN CC DESIGNED ACM								The United Illumin 157 Church St. New H				
APPROVED	0	04-11-05 INITIAL ISSUE		CC	ACM		Drawn	Date	_ Scale: 1/4"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
CHECKED	No	Date	Revision	By Chko	d. Engr.	. Supv.	Chkd.	Design Engr	_ Design Supv			25251-504

NOTES:

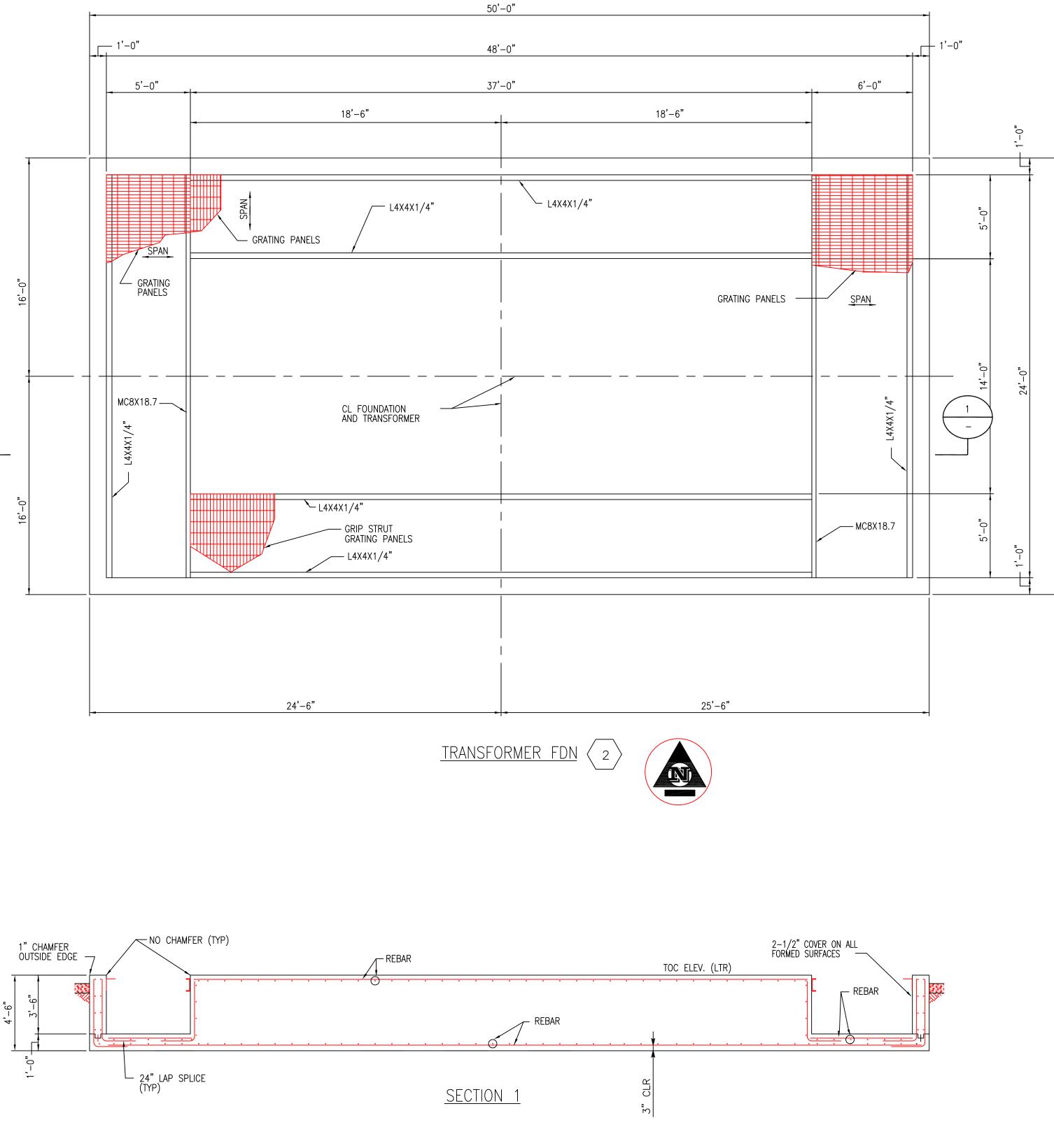
1. FOR FOUNDATION NOTES, SEE DRAWING 25251-502.





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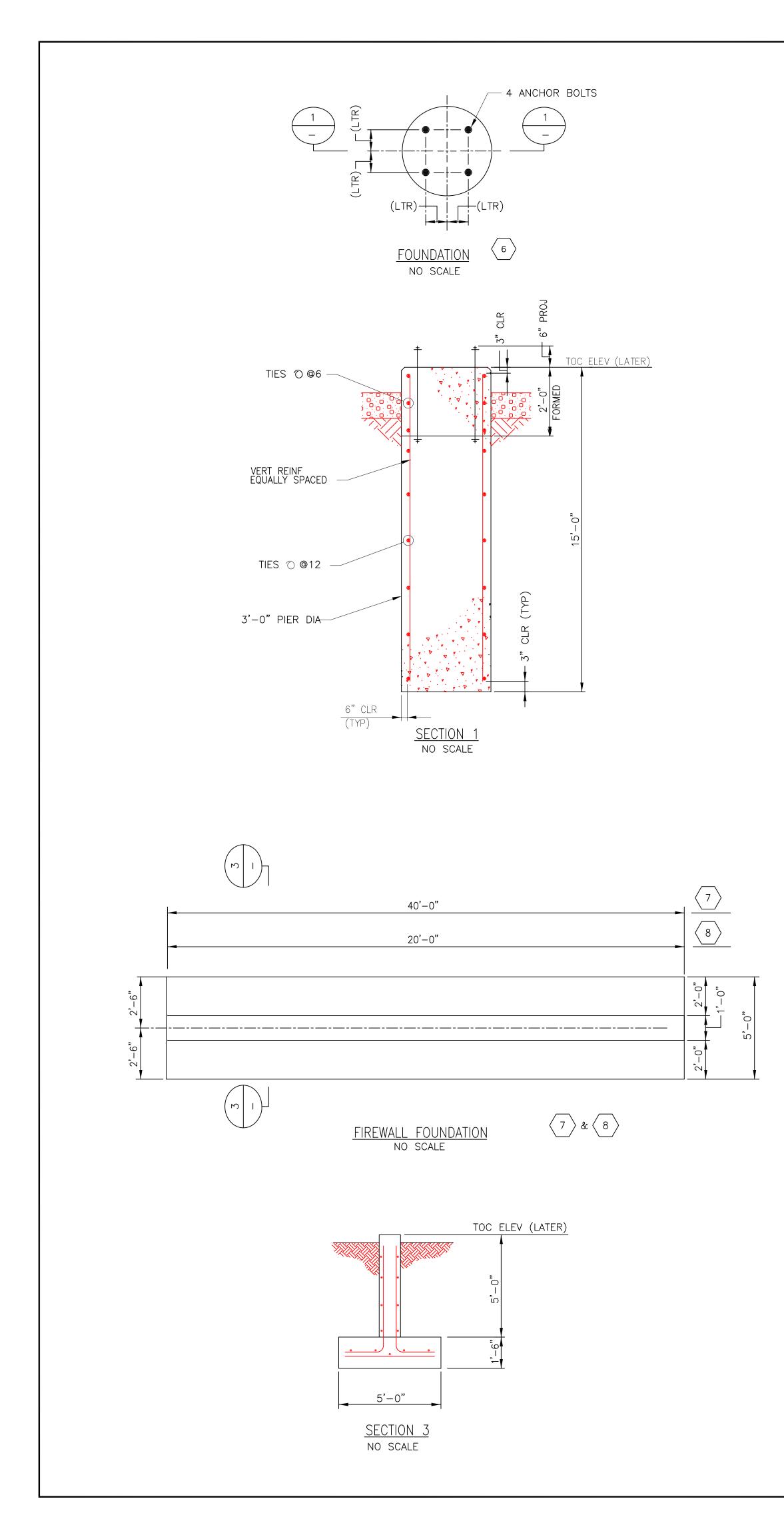
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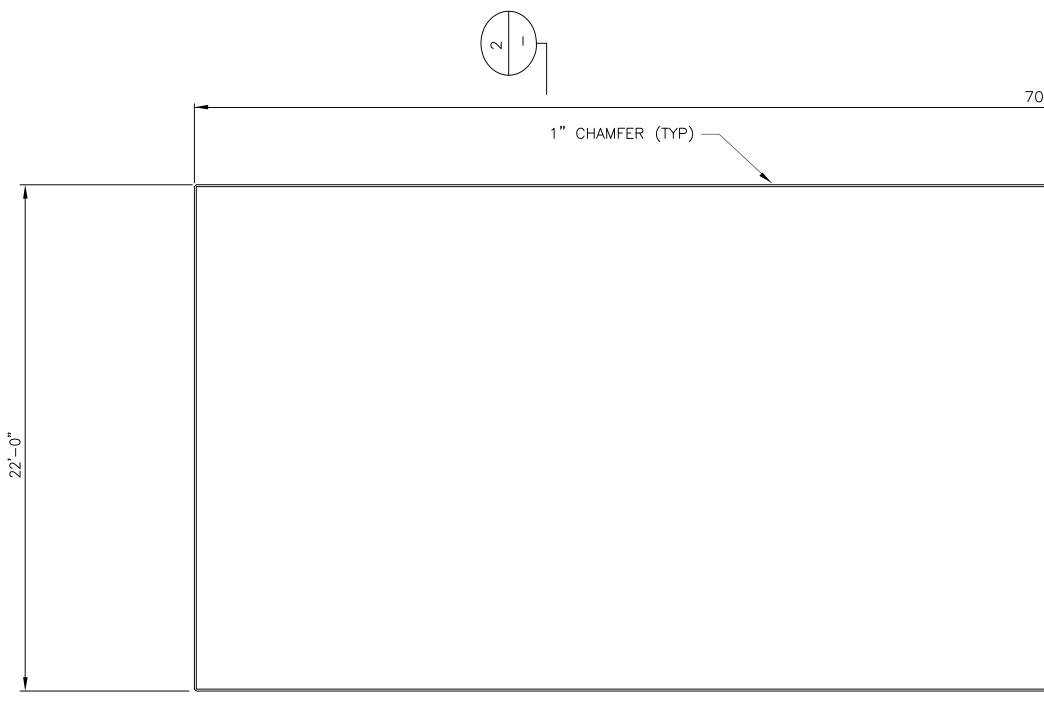


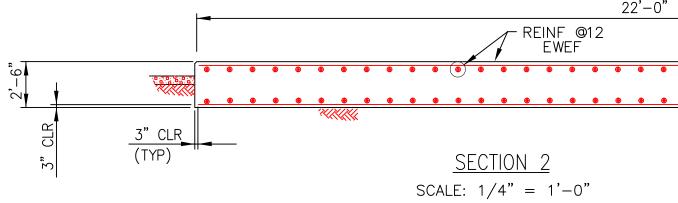
BLACK & VEATCH PROJECT NO. 136745								FOU	NGER SUBS JNDATION I KV AUTO T	
DRAWN CC							vinating Company	0 . 0 / 0		
DESIGNED ACM	1					157 Church St. Ne	w Haven, Ct. 06506			
APPROVED	0 04-11-05	INITIAL ISSUE	CC	ACM	Drawn	Date	Scale: 1/4"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
CHECKED	No Date	Revision	Ву	Chkd. Engr. Supv.	Chkd	Design Engr	Design Supv			

NOTES; 1. FOR FOUNDATION NOTES, SEE DRAWING 25251-502.



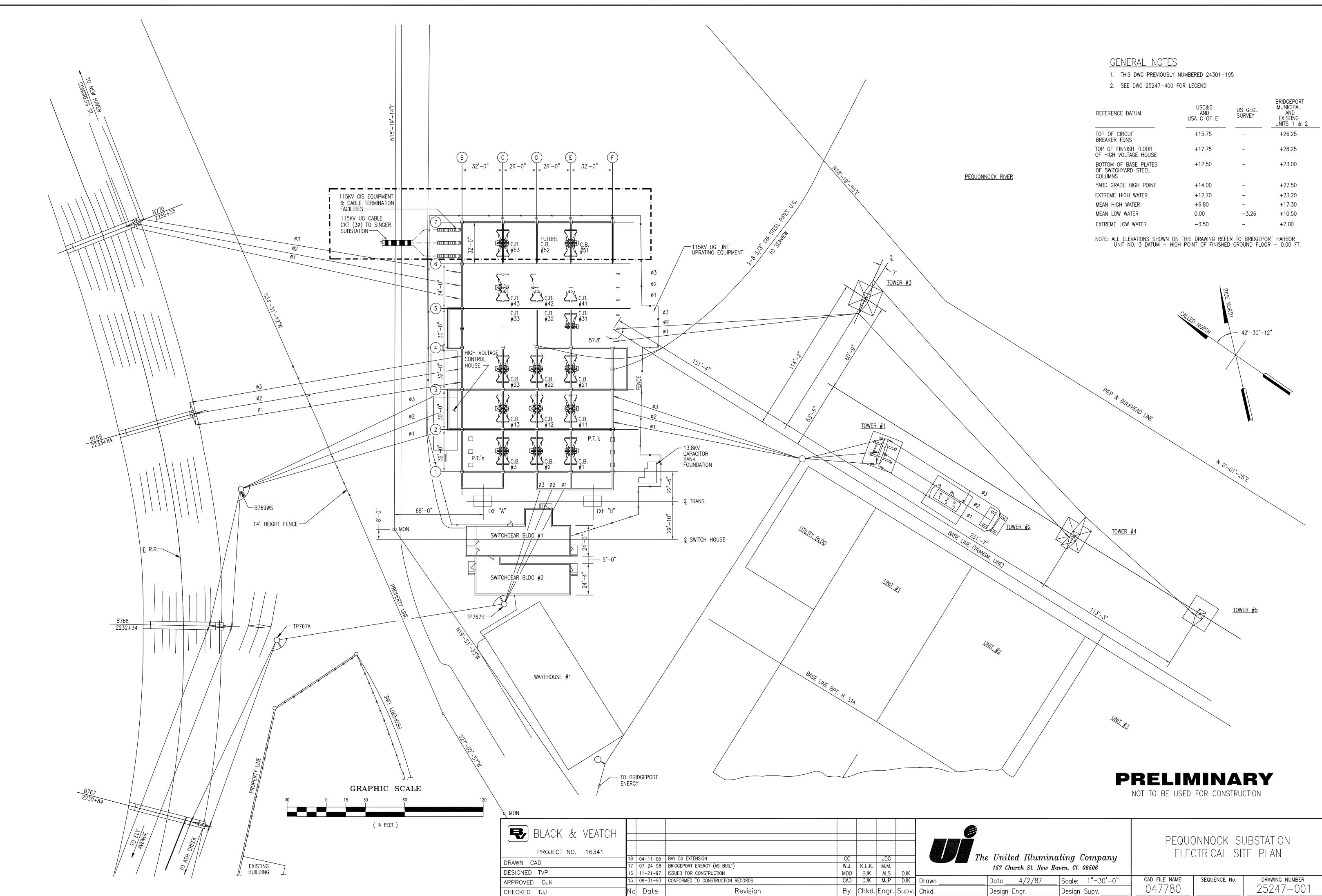




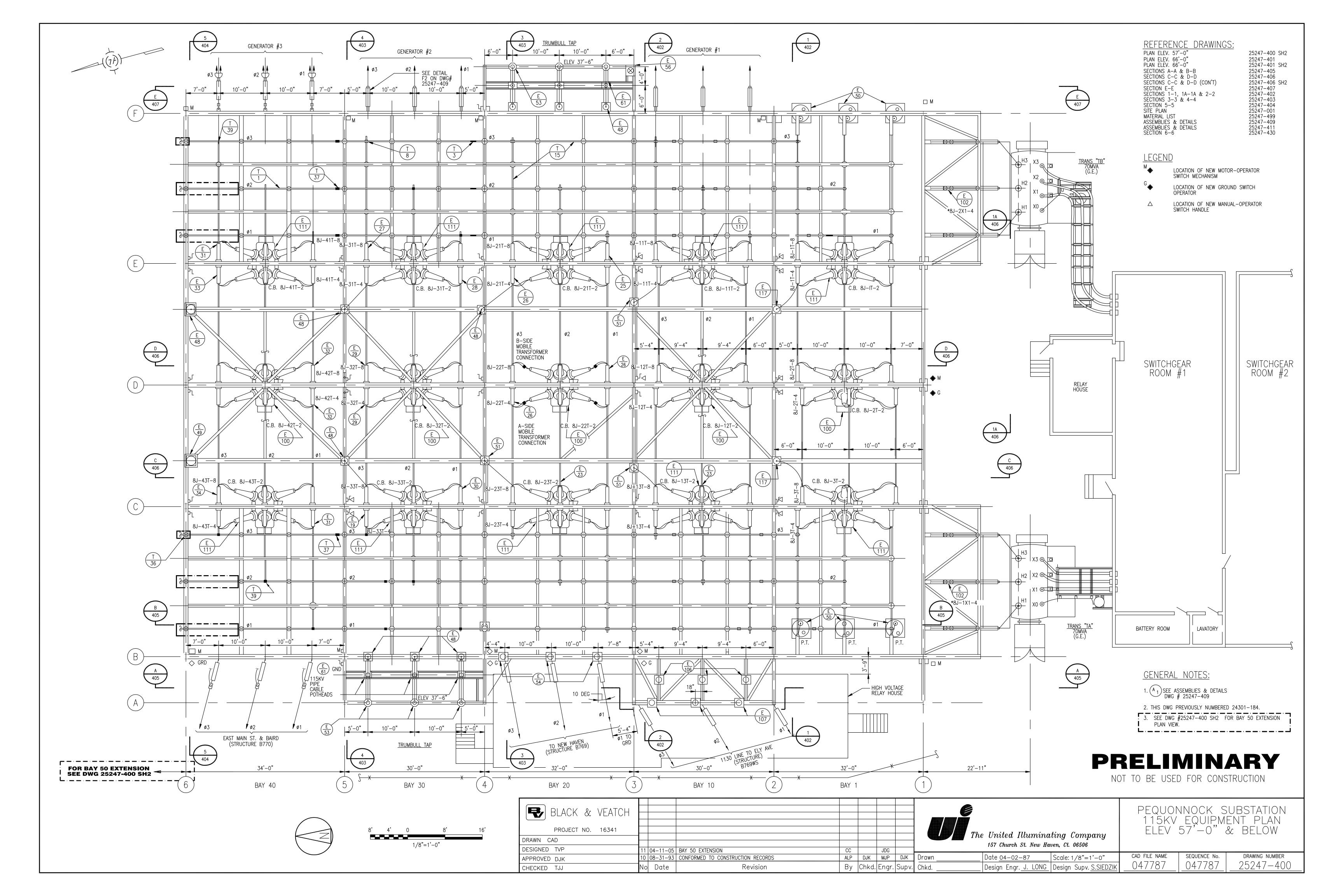


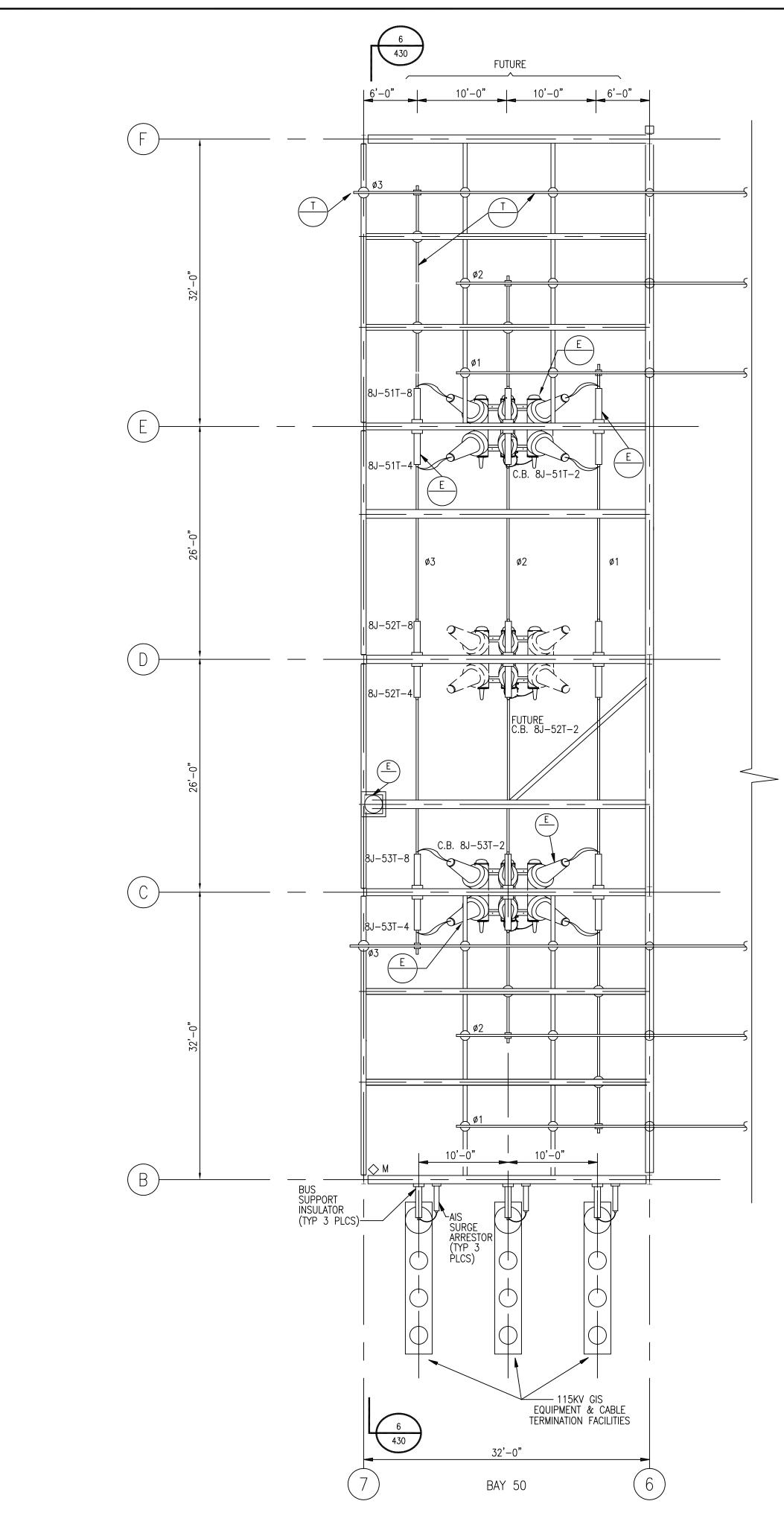
		1" CHAMFER (TYP) —		70'-0"			
		T CHAMFER (TTP)					
°0							
22'-(
_, (<u></u>		SF	PARE >	XFMR & REACTOR FOUNI	DATION 5		
				SCALE: $1/4" = 1'-0"$			
				22'-0"			
			0			ELEV (LATER)	
	$\frac{2}{3}$						
	(۱۱۲) ای		<u>SECTI</u> _E: 1/4	$\frac{10N}{4^{"}} = 1'-0"$			
						WILL BE FINAL	NS ARE PRELIMINARY AND IZED AFTER REVIEW OF
						APPROVED A-: DRAWING AND	2 SURVEY, AND MANUFACTURER'S INFORMATION.
							LIMINARY BE USED FOR CONSTRUCTION
			1	 			
BLACK & VEATCH							SINGER SUBSTATION FOUNDATIONS 5, 6, 7 & 8
PROJECT NO. 136745 DRAWN CC DESIGNED ACM					The United Illuminating 157 Church St. New Haven, Ct		
APPROVED CHECKED	0 04-11-05 INITIAL ISSUE No Date	Revision	CC By	ACMDrawnChkd.Engr.Supv.Chkd.Chkd.		: AS SHOWN	cad file name sequence no. drawing number 25251-506

rawn	Date	Scale: AS SHOWN	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
hkd	Design Engr	Design Supv			



REFERENCE DATUM	USC&G AND USA C OF E	US GEOL SURVEY	BRIDGEPORT MUNICIPAL AND EXISTING UNITS 1 & 2
TOP OF CIRCUIT BREAKER FDNS	+15.75	-	+26.25
TOP OF FINNISH FLOOR OF HIGH VOLTAGE HOUSE	+17.75	-	+28.25
BOTTOM OF BASE PLATES OF SWITCHYARD STEEL COLUMNS	+12.50	_	+23.00
YARD GRADE HIGH POINT	+14.00	_	+22.50
EXTREME HIGH WATER	+12.70	_	+23.20
MEAN HIGH WATER	+6.80	-	+17.30
MEAN LOW WATER	0.00	-3.26	+10.50
EXTREME LOW WATER	-3.50	-	+7.00

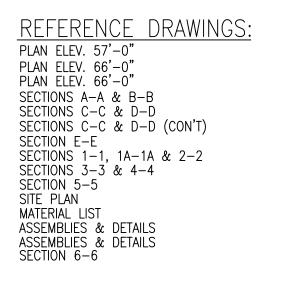




> CONTINUED ON DWG. > #25247−400



BLACK & VEATCH PROJECT NO. 136745							The United Illuminating Company	115KV ELEV	NOCK SUBSTATION EQUIPMENT PLAN 57'-0'' & BELOW
DRAWN CC DESIGNED JDG							157 Church St. New Haven, Ct. 06506	(BAY	50 EXTENSION)
APPROVED	0 04-11-05	INITIAL ISSUE-50 BAY EXTENSION	CC		JDG	Drawn	Date Scale: 1/8"=1'-0"	CAD FILE NAME	SEQUENCE No. DRAWING NUMBER
CHECKED	No Date	Revision	By	Chkd	. Engr. Supv.	Chkd.	Design Engr Design Supv	<u>047787SH2</u>	<u>25247-400SH2</u>



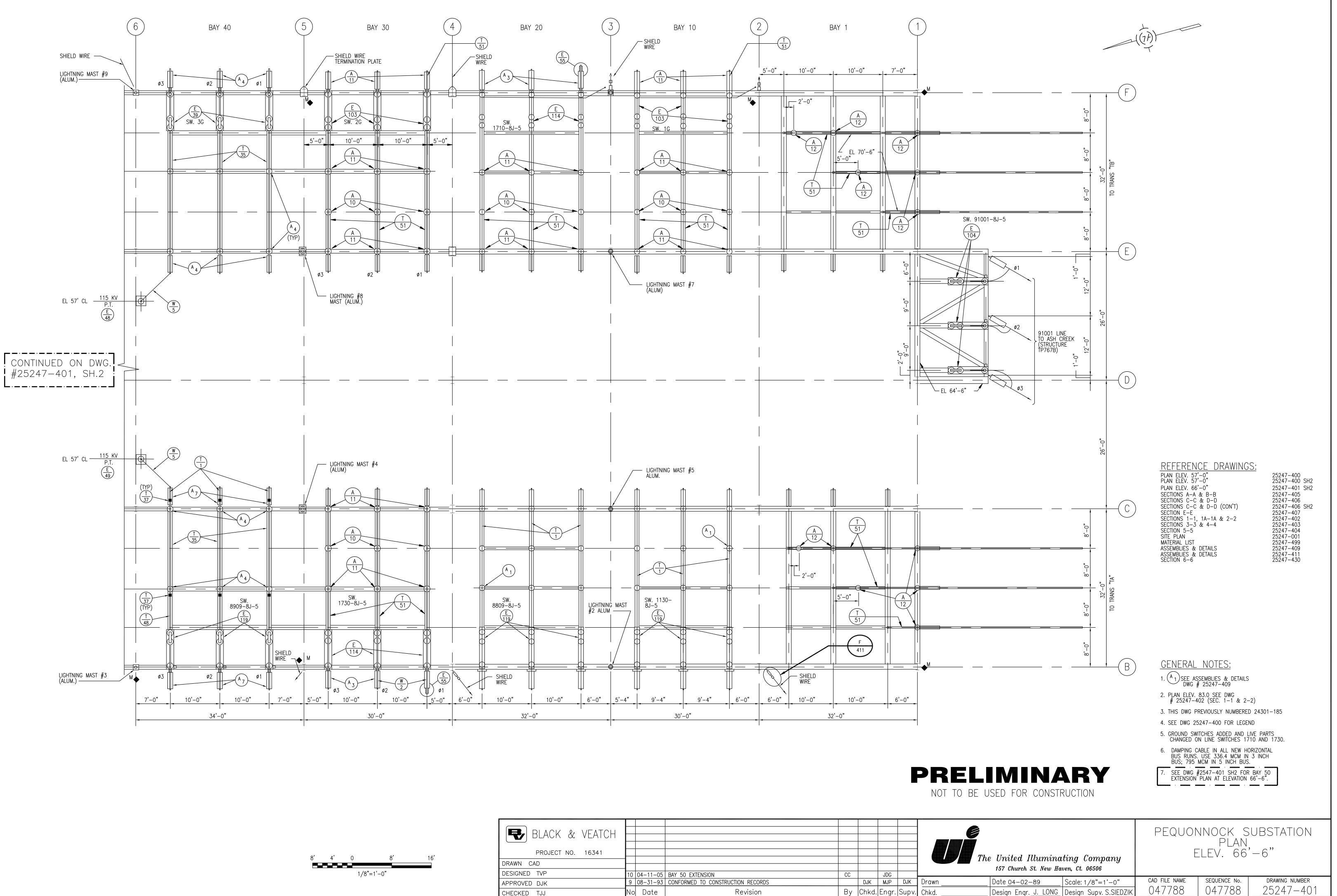
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NOTES:

1. SEE DWG. #25247-400 FOR LEGEND.

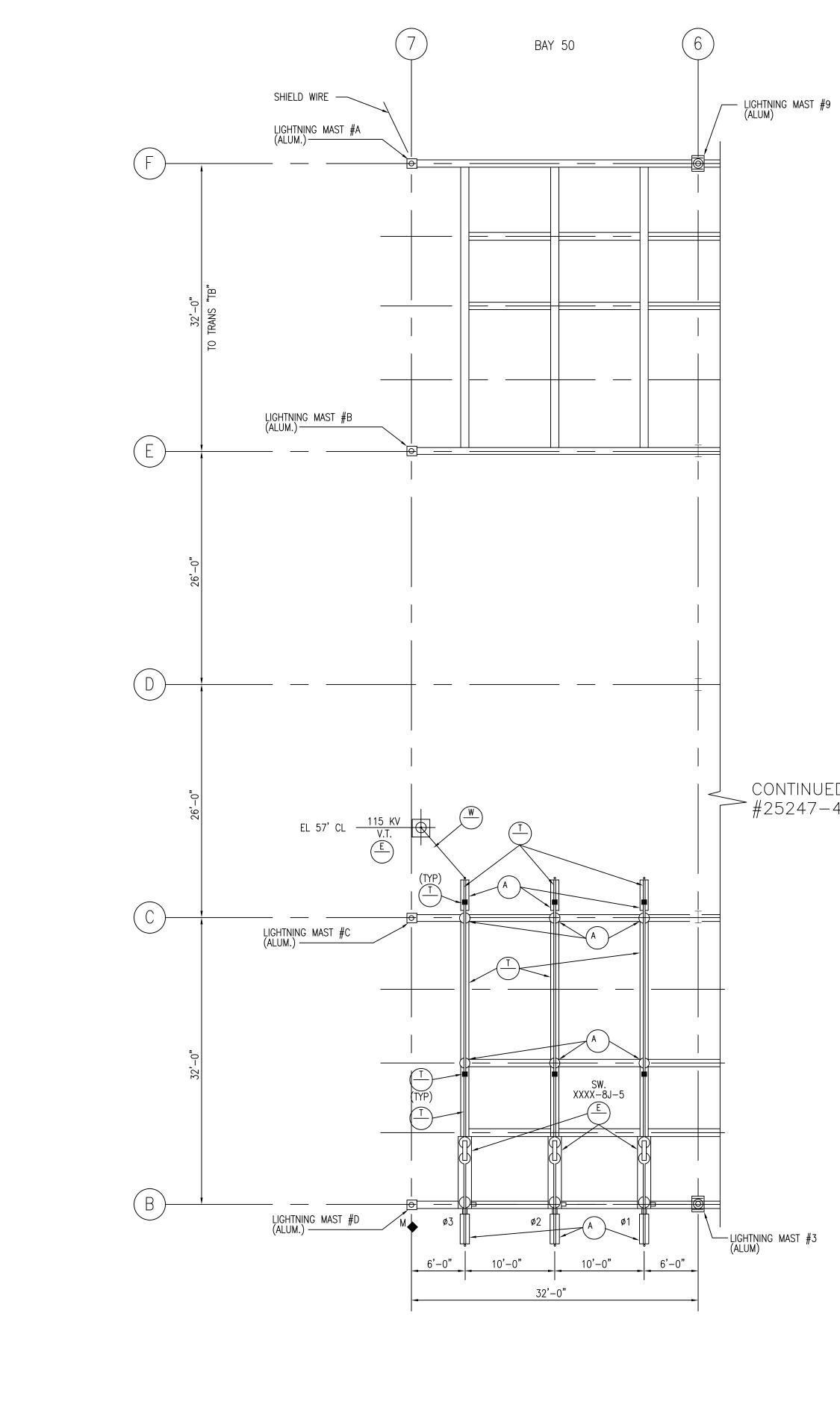
2. SEE DWG #25247-400 FOR BAY'S 40, 30, 20, 10 & 1.





N

BLACK & VEATCH PROJECT NO. 16341								
DRAWN CAD								
DESIGNED TVP	10	04-11-05	BAY 50 EXTENSION	CC		JDG		
APPROVED DJK			CONFORMED TO CONSTRUCTION RECORDS		DJK	MJP	DJK	Draw
CHECKED TJJ	No	Date	Revision	Вy	Chkd.	Engr.	Supv.	Chkd

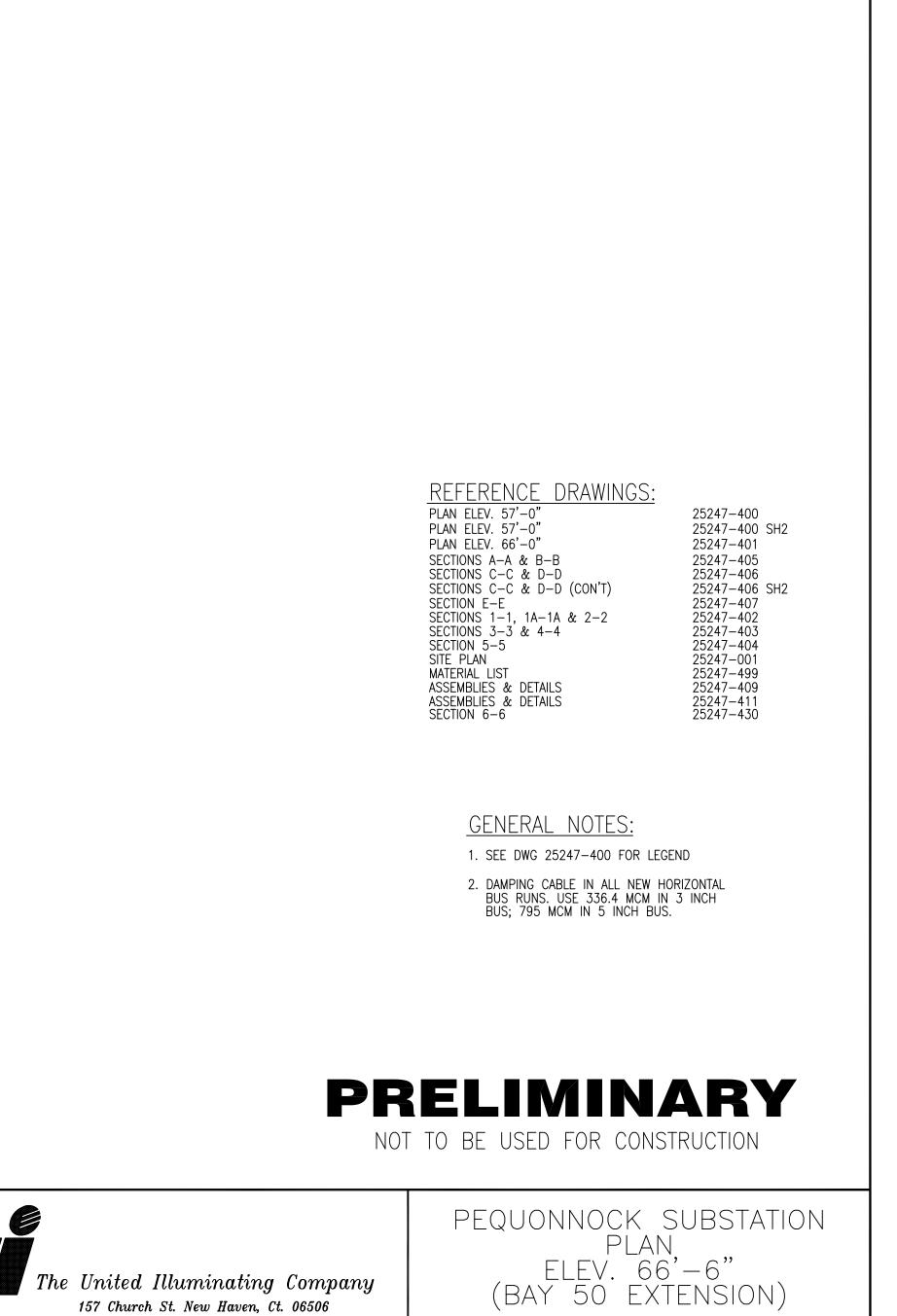


8'4'0 16

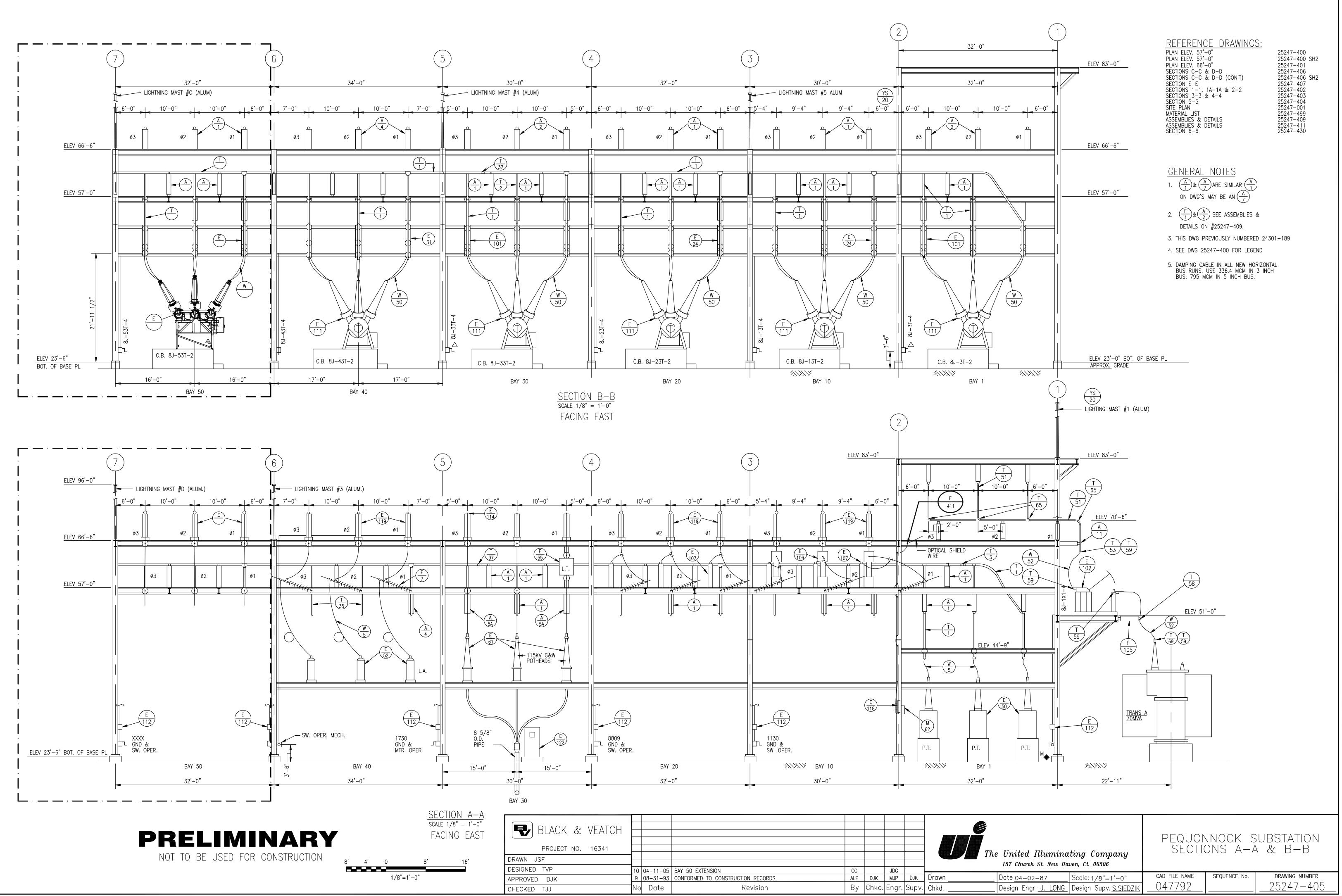
1/8"=1'-0"

CONTINUED ON DWG.≠25247-406, SH.1

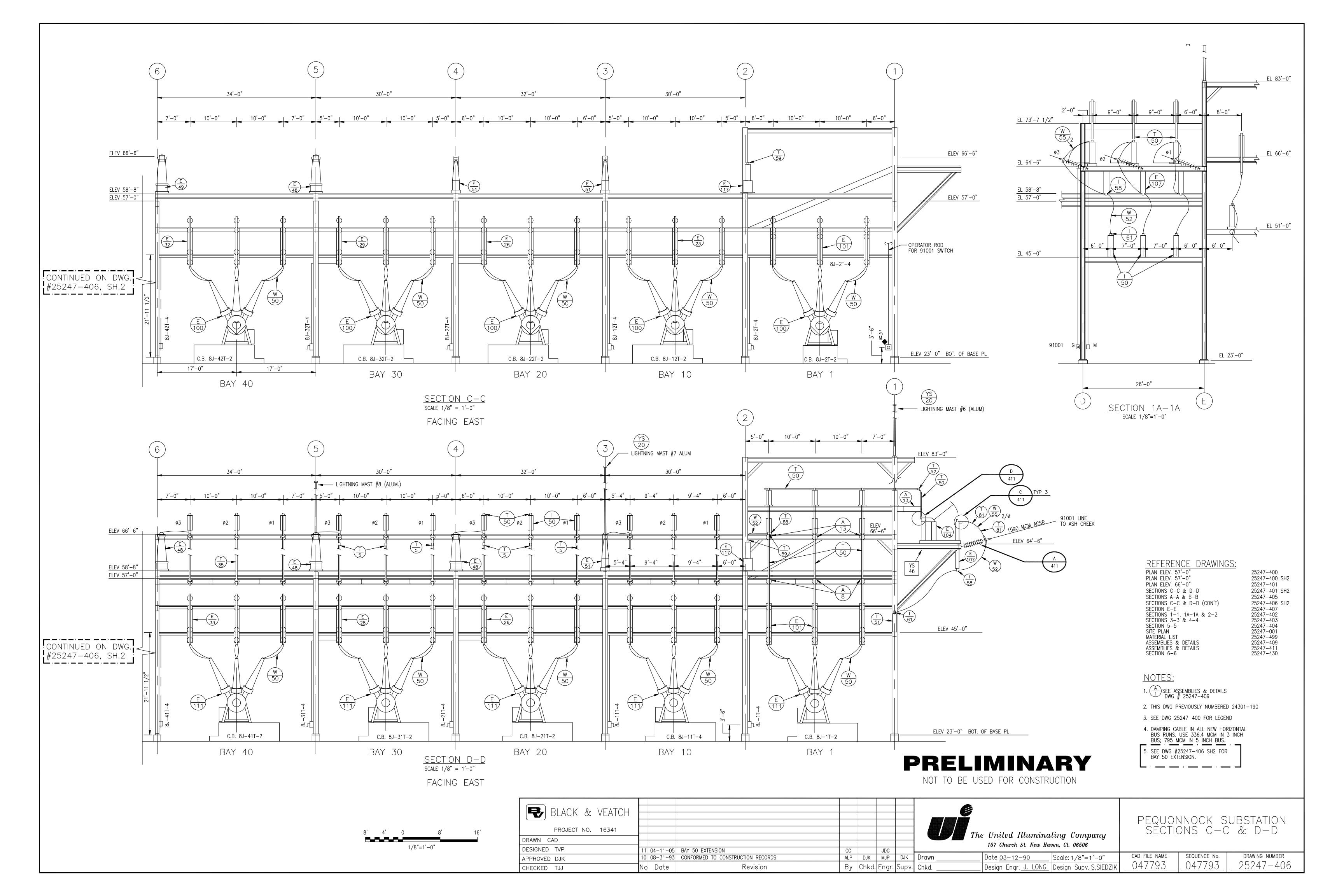
BLACK & VEATCH								
PROJECT NO. 136745								
DRAWN CC	 							
DESIGNED JDG	┣─							
APPROVED	0	04-11-05	INITIAL ISSUE – BAY 50 EXTENSION	CC		JDG		Drawn
CHECKED	No	Date	Revision	By	Chkd.	Engr.	Supv.	Chkd.

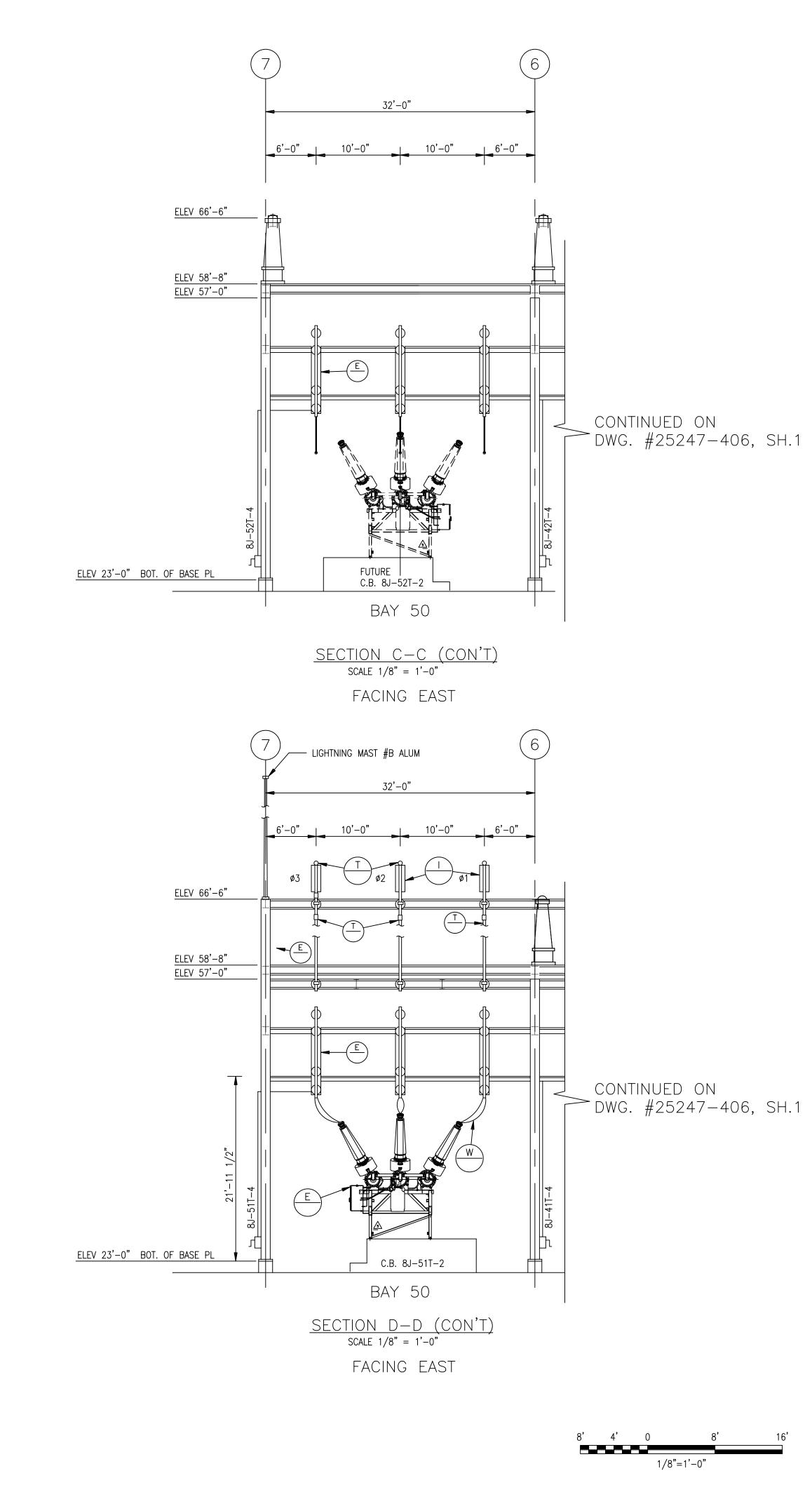


157 Church St. New Haven, Ct. 06506 Date Scale: 1/8"=1'-0" CAD FILE NAME SEQUENCE No. DRAWING NUMBER 047788SH2 2<u>5247-401 SH2</u> Design Engr. Design Supv.



	157 Church St. New Ha	ven, c. 00500			
wn	Date <u>04-02-87</u>	Scale: 1/8"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
d	Design Engr. <u>J. LONG</u>	Design Supv. <u>S.SIEDZIK</u>	047792		





PROJECT NO. 136745								
DRAWN CC	-							
DESIGNED JDG								
APPROVED	0	04-11-05	INITIAL ISSUE – BAY 50 EXTENSION	CC		JDG		Drawn
CHECKED	No	Date	Revision	Ву	Chkd.	Engr.	Supv.	Chkd.

REFERENCE DRAWINGS: PLAN ELEV. 57'-0" PLAN ELEV. 57'-0" PLAN ELEV. 66'-0" SECTIONS C-C & D-D SECTIONS A-A & B-B SECTIONS C-C & D-D (CON'T) SECTION E-E SECTIONS 1-1, 1A-1A & 2-2 SECTIONS 3-3 & 4-4 SECTION 5-5 SITE PLAN MATERIAL LIST ASSEMBLIES & DETAILS ASSEMBLIES & DETAILS	25247-400 25247-400 SH2 25247-401 SH2 25247-401 SH2 25247-405 25247-406 25247-407 25247-407 25247-403 25247-404 25247-404 25247-409 25247-409 25247-409

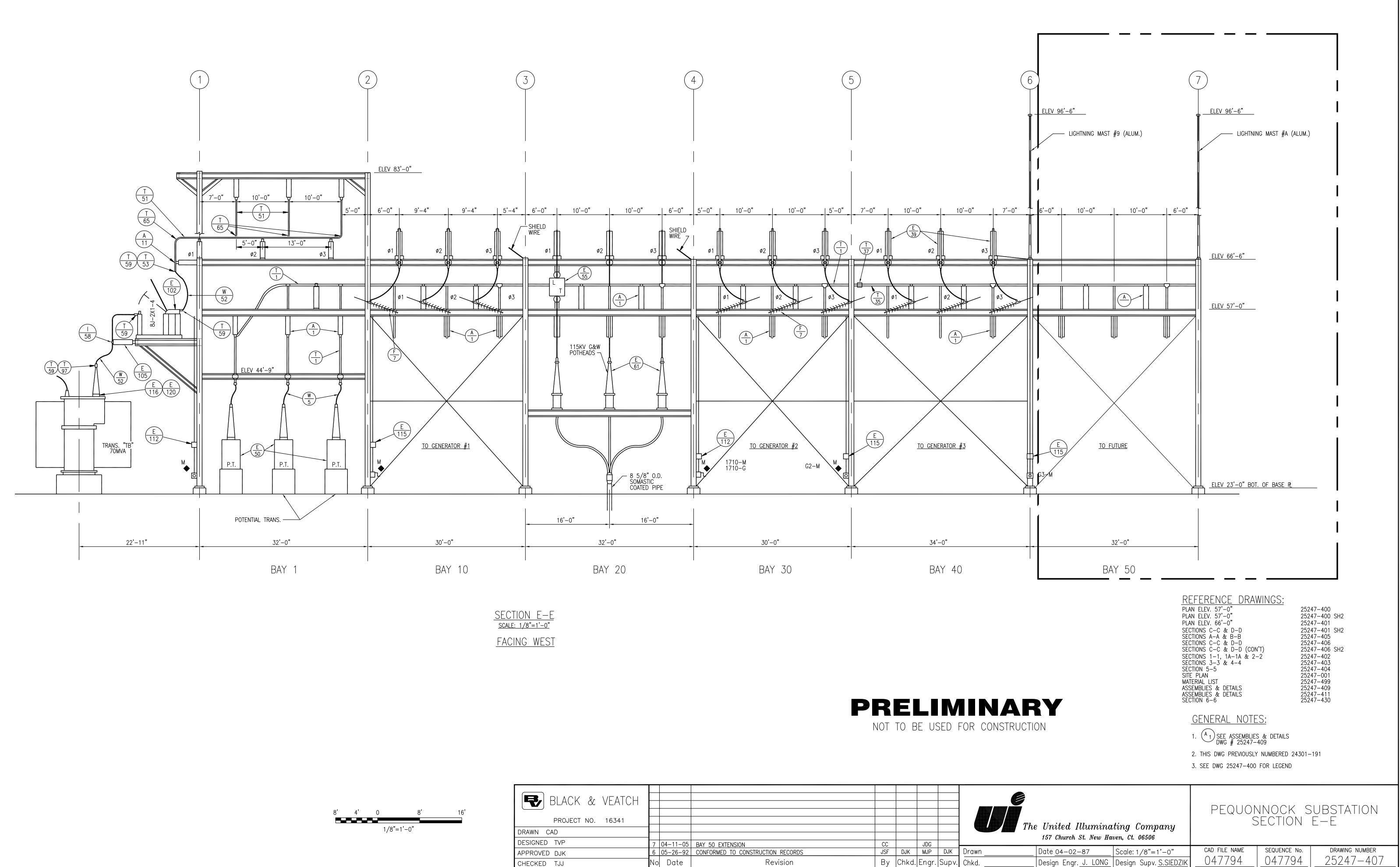
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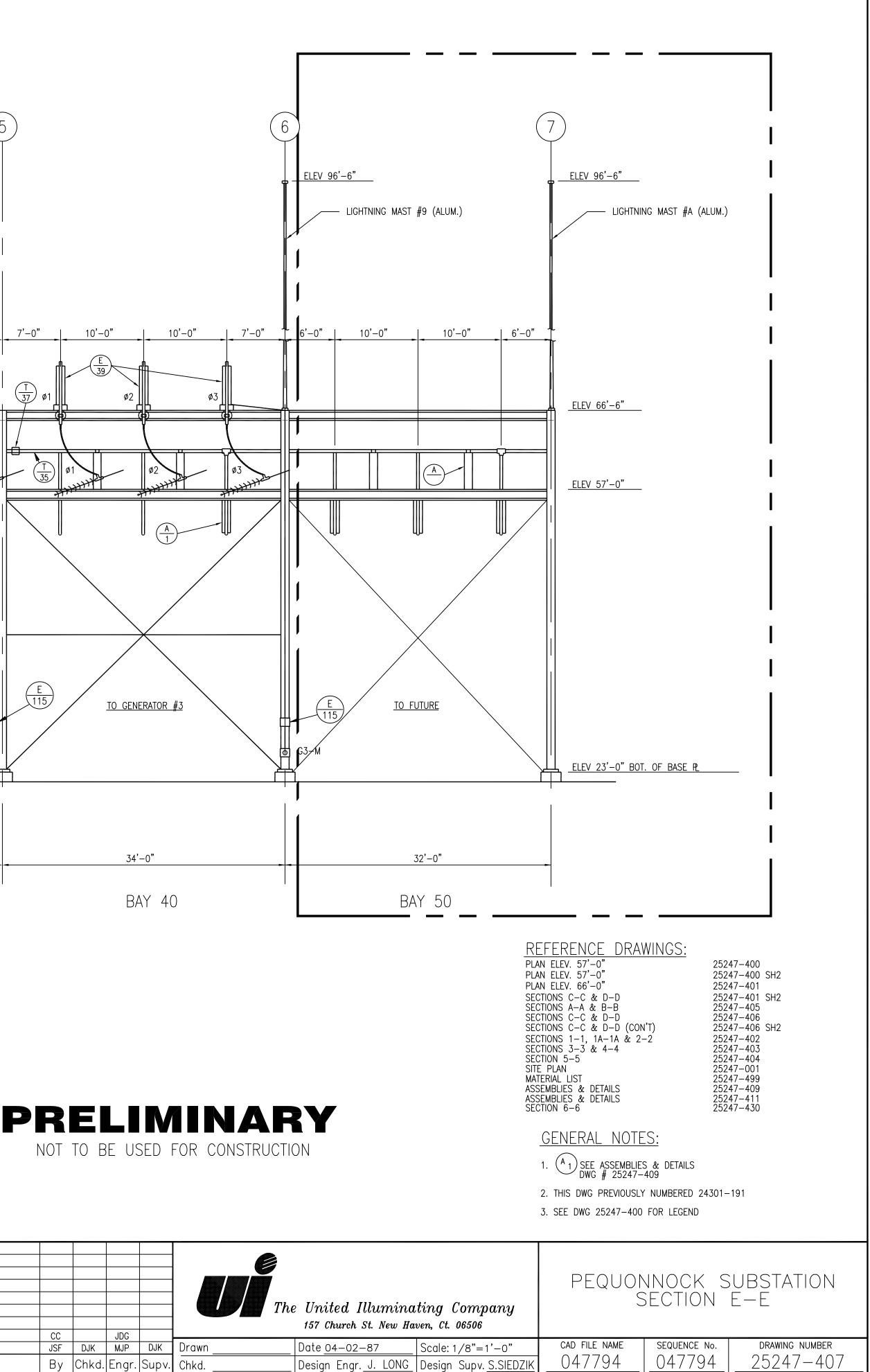
1. SEE DWG 25247-400 FOR LEGEND

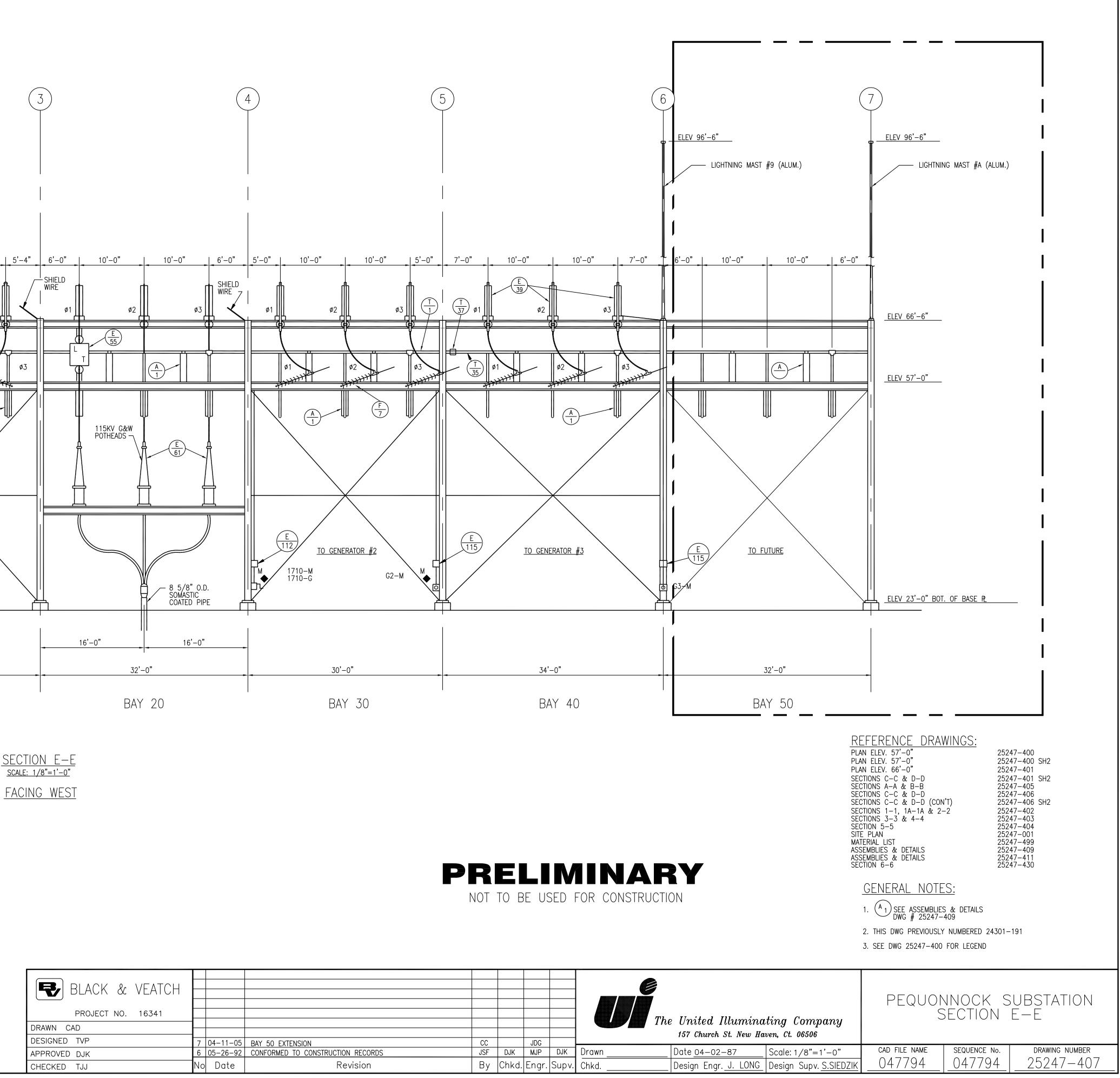
DAMPING CABLE IN ALL NEW HORIZONTAL BUS RUNS. USE 336.4 MCM IN 3 INCH BUS; 795 MCM IN 5 INCH BUS.

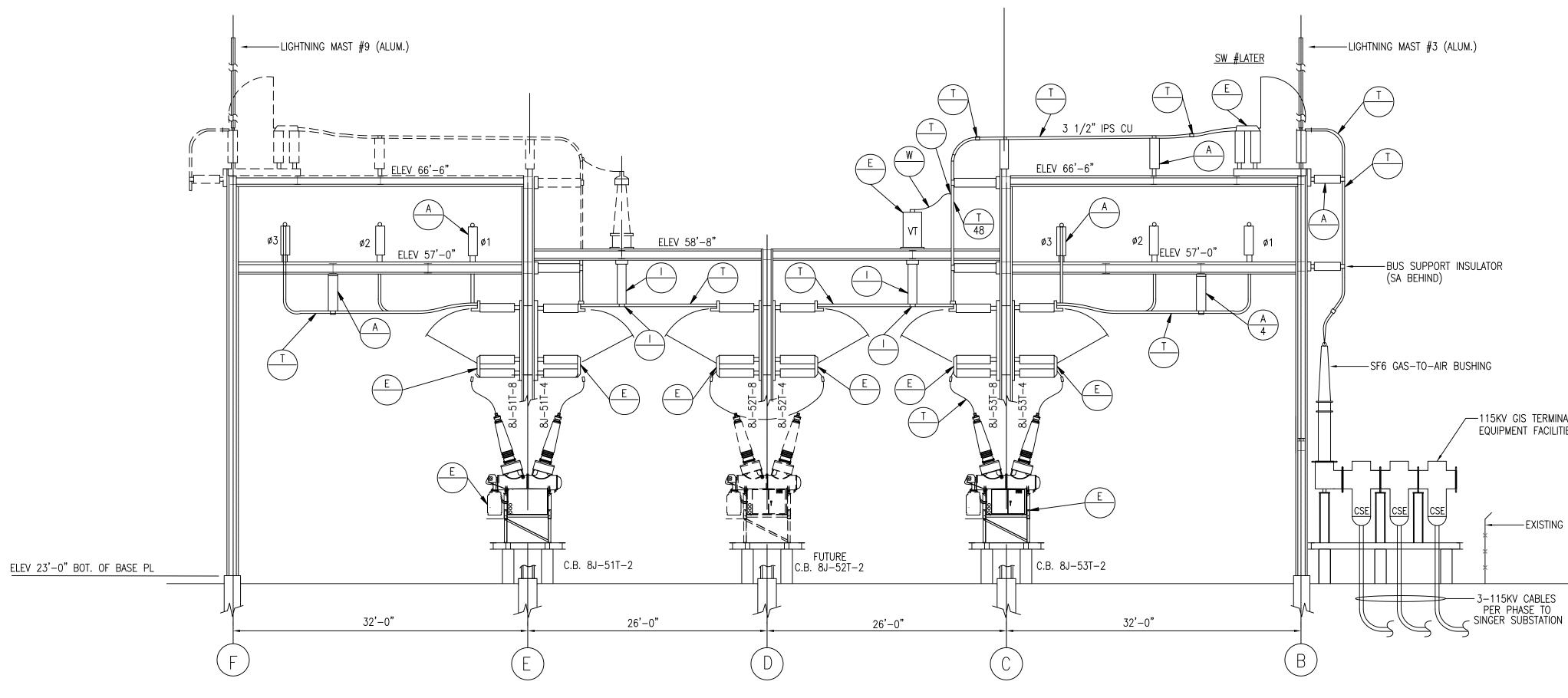


The United Illumina 157 Church St. New Ha	• • •	SECTIONS		SUBSTATION D-D (CON'T) ENSION)
n Date	Scale: 1/8"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
Design Engr	Design Supv	047793SH2		<u>25247-406SH2</u>









8'4'0 1/8"=1'-0" $\frac{\text{SECTION } 6-6}{\text{SCALE } 1/8" = 1'-0"}$ BAY 50

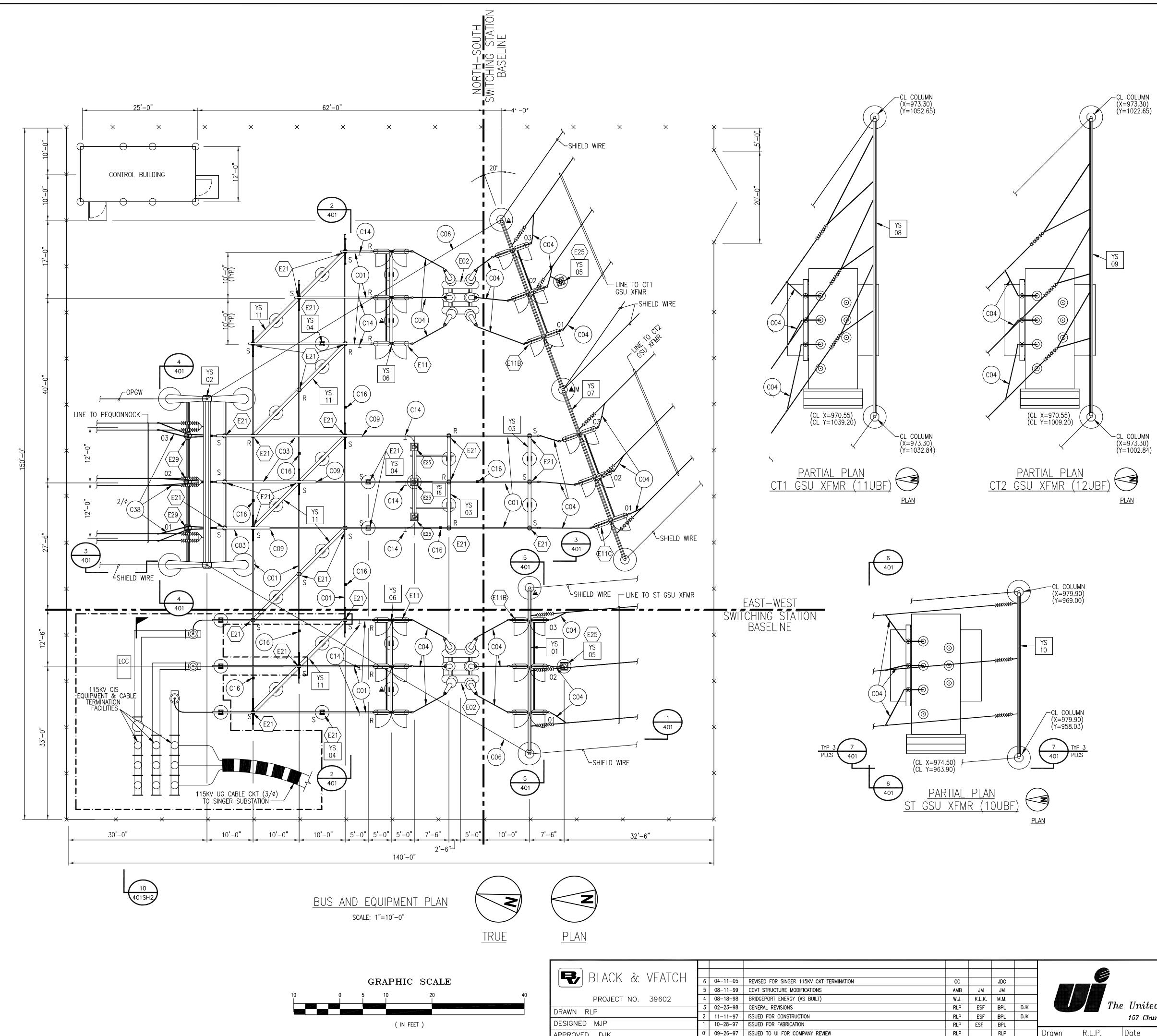
BLACK & VEATCH PROJECT NO. 136745 DRAWN CC DESIGNED JDG							-	minating Company New Haven, Ct. 06506		NNOCK S SECTION 50 EXT	
APPROVED	0 04-11-05	INITIAL ISSUE – BAY 50 EXTENSION	CC	JDG		Drawn <u>CC</u>	Date	Scale: 1/8"=1'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
CHECKED	No Date	Revision	By	Chkd. Engr.	Supv.	Chkd.	Design Engr	Design Supv			

PLAN E PLAN E PLAN E SECTION S	IS 1−1, 1A−1A & 2−2 25 IS 3−3 & 4−4 25 AN 5−5 25 AN 25 ILIST 25 ILIES & DETAILS 25 ILIES & DETAILS 25 ILIES & DETAILS 25
PRELIMINARY NOT TO BE USED FOR CONSTRUCTION	<u>GENERAL NOTES:</u> 1. see dwg 25247–400 for 1

25247-400 25247-400 SH2 25247-401 SH2 25247-401 SH2 25247-405 25247-406 SH2 25247-406 SH2 25247-407 25247-402 25247-403 25247-404 25247-401 25247-409 25247-411 25247-430

115KV GIS TERMINATION EQUIPMENT FACILITIES

FIN. GRADE ELEV 22'-6"



10 	BLACK & VEATCH PROJECT NO. 39602 DRAWN RLP	6 04-11-05 REVISED FOR SINGER 115KV CKT TERMINATION 5 08-11-99 CCVT STRUCTURE MODIFICATIONS 4 08-18-98 BRIDGEPORT ENERGY (AS BUILT) 3 02-23-98 GENERAL REVISIONS	CC JDG AMB JM W.J. K.L.K. RLP ESF	The United Illuminating Company	BRIDGEPORT ENERGY SWITCHING STATION SWITCHYARD BUS &
J	DESIGNED MJP	2 11–11–97 ISSUED FOR CONSTRUCTION 1 10–28–97 ISSUED FOR FABRICATION	RLP ESF BPL DJK	157 Church St. New Haven, Ct. 06506	EQUIPMENT PLAN
	APPROVED DJK	0 09-26-97 ISSUED TO UI FOR COMPANY REVIEW	RLP RLP	Drawn <u>R.L.P.</u> Date <u>9/26/97</u> Scale: 1"=10'-0"	CAD FILE NAME SEQUENCE No. DRAWING NUMBER
	CHECKED ESF	No Date Revision	By Chkd. Engr. Sup	v. Chkd Design Engr Design Supv	

<u>GENERAL NOTES:</u>

- 1. SEE MATERIAL LISTS FOR DESCRIPTIONS OF EQUIPMENT, STRUCTURES, AND FITTINGS.
- 556.5 MCM ACSR (ITEM C05) VIBRATION DAMPING CONDUCTOR SHALL BE INSTALLED INSIDE EACH HORIZONTAL RUN OF TUBULAR BUS LONGER THAN 15 FEET.
- 3. GSU TRANSFORMER AND DEADEND TOWER LOCATIONS ARE BASED ON SIEMENS LOCAL PLANT (X,Y) COORDINATE SYSTEM. VALUES INDICATED ARE IN METERS.

REFERENCE DRAWINGS

ELECTRICAL SITE PLAN SITE GRADING 115KV SWITCHYARD SECTIONS 115KV SWITCHYARD SECTIONS 115KV SWITCHYARD DETAILS SWITCHYARD GROUNDING PLAN SWITCHYARD RACEWAY PLAN LIGHTING & COMMUNICATIONS PLAN YARD STRUCTURES SWITCHYARD FOUNDATION PLAN

25250-001 25250-002 25250-401 25250-401 SH2 25250-401 SH2 25250-402 25250-411 25250-412 25250-410 25250-420 THRU 426 25250-430

<u>LEGEND</u>

- R RIGID (WELDED) BUS FITTING
- S SLIP (NON-WELDED) BUS FITTING

- 14' CHAIN LINK FENCE
- A MANUAL SWITCH OPERATOR LOCATION, WITH KIRK KEY INTERLOCK
- ▲ M MOTORIZED SWITCH OPERATOR LOCATION

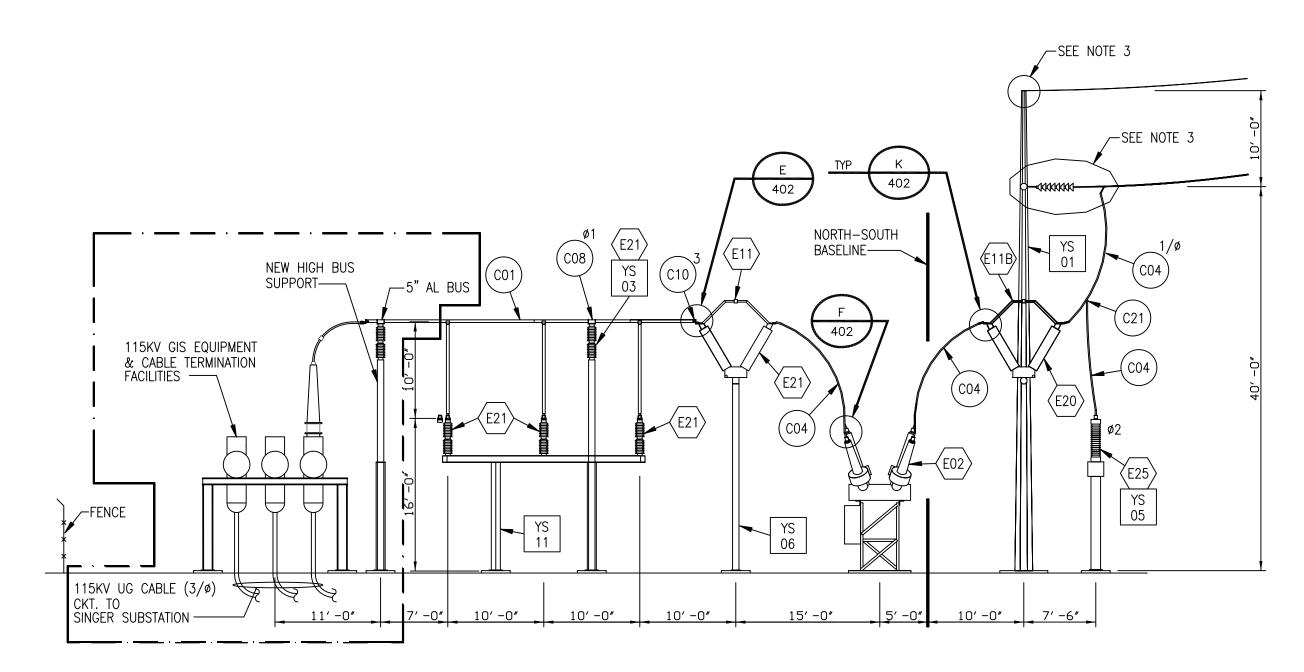
CONDUCTOR LEGEND

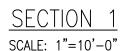
- (CO1) 3" ALUMINUM BUS
- (C03) 5" ALUMINUM BUS
- (CO4) 1590 MCM ACSR
- (C05) 556.5 MCM ACSR
- (C06) 7-#6 ALUMOWELD
- (C38) 2156 MCM ACSR

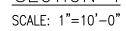
CONSTRUCTION NOTES:

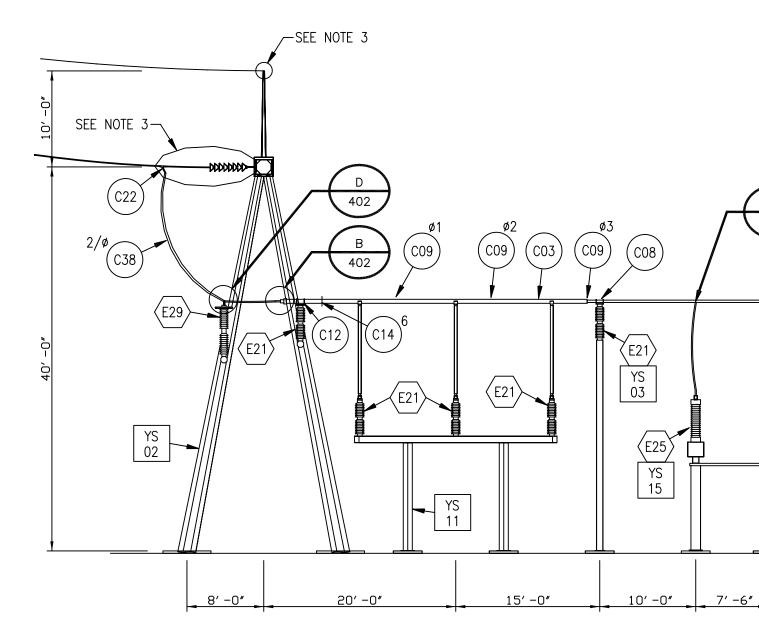
- ALL SITEWORK, FENCING, FOUNDATIONS AND BELOW GRADE GROUNDING AND RACEWAY WILL BE INSTALLED BY THE CONTRACTOR.
- 2. COORDINATES FOR PARTIAL PLANS ARE BASED ON SIEMENS LOCAL PLANT (X,Y) COORDINATE SYSTEM. VALUES INDICATED ARE IN METERS.

PRELIMINARY









<u>SECTION 3</u> SCALE: 1"=10'-0"

GENERAL NOTES:

- 1. SEE MATERIAL LISTS FOR DESCRIPTIONS OF EQUIPMENT, STRUCTURES, AND FITTINGS.
- 2. SEE DWG 25250-400 FOR ADDITIONAL NOTES AND LEGEND.
- SEE DWG 25250-422 THRU 426 FOR SHIELD WIRE AND CONDUCTOR TERMINATION DETAILS AND MATERIAL LIST.
- 4. SEE DWG 24302-600 FOR ASSEMBLY DETAIL CTA-1.

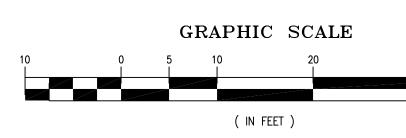
CONSTRUCTION NOTES:

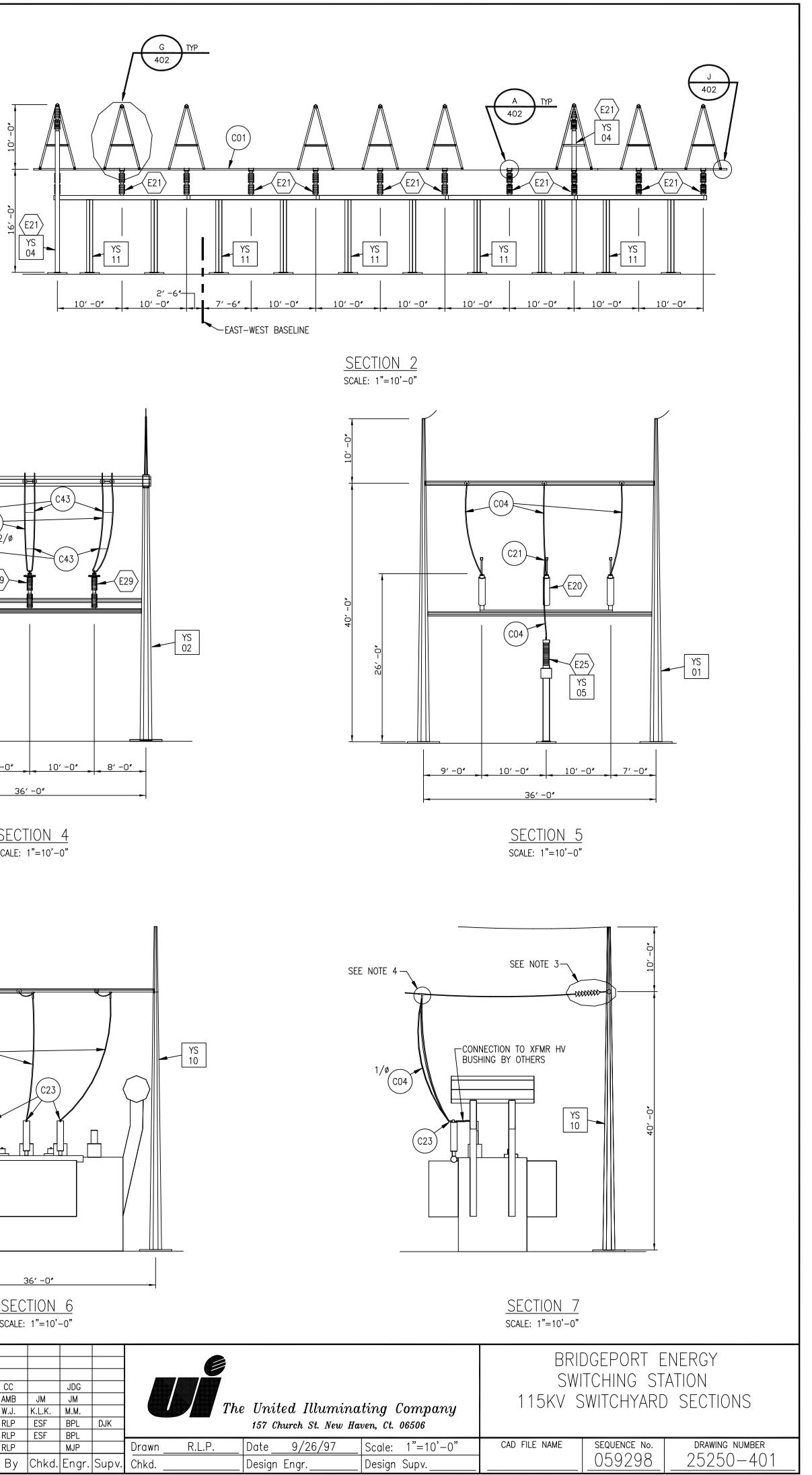
1. SEE DWG 25250-400 FOR CONSTRUCTION NOTES.

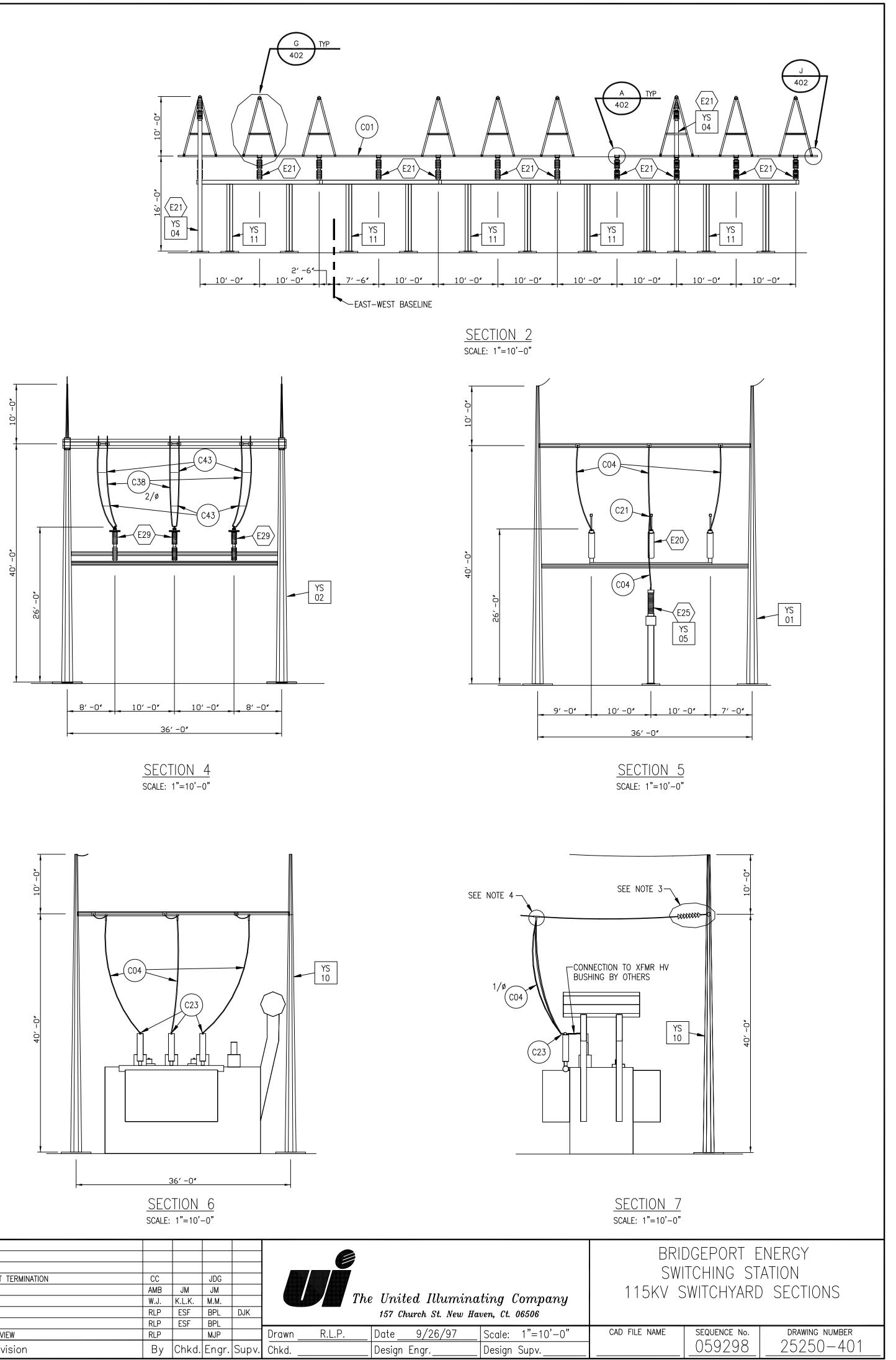
REFERENCE DRAWINGS

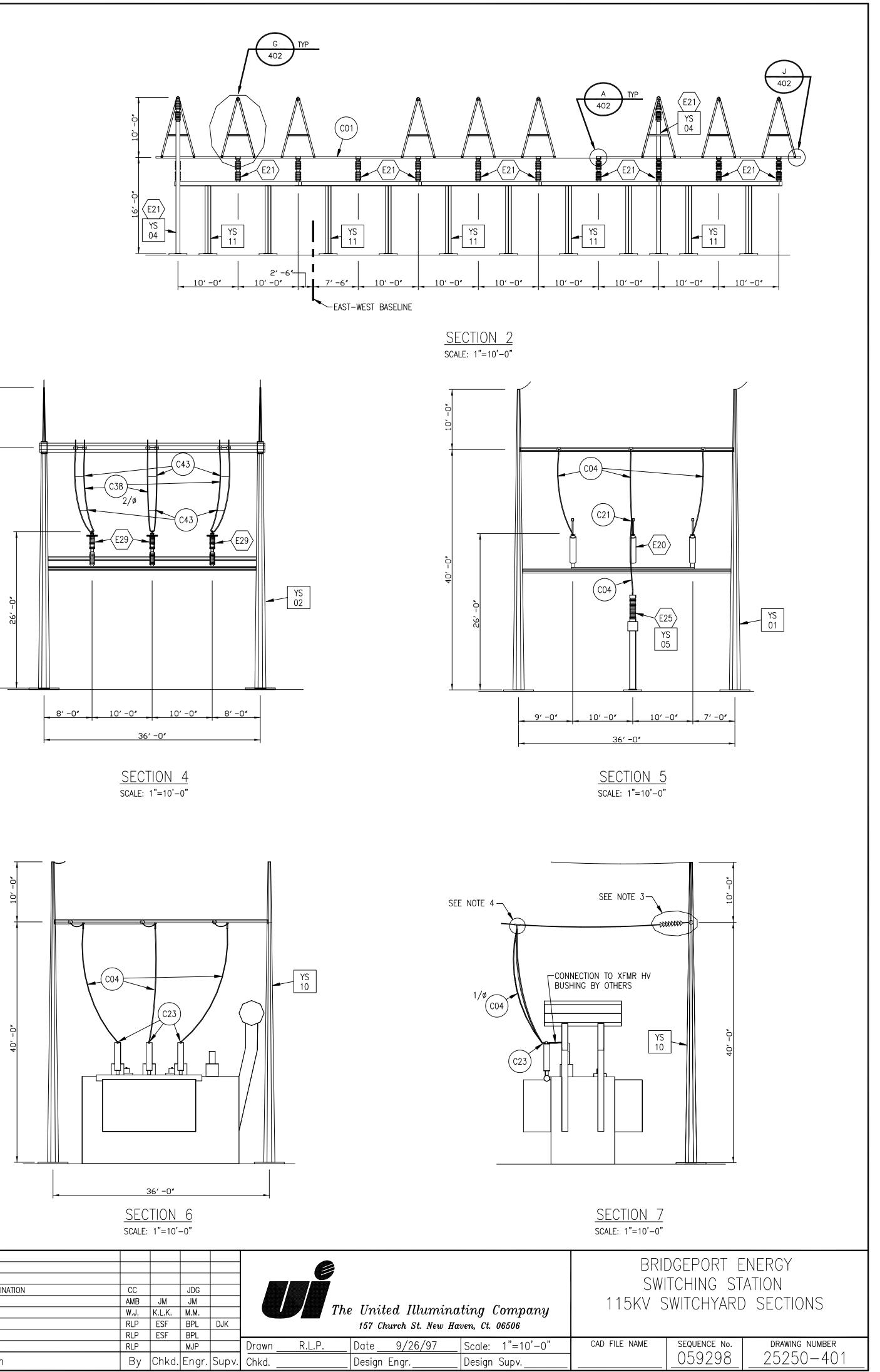
SWITCHYARD BUS AND EQUIPMENT PLAN 115KV SWITCHYARD SECTIONS 115KV SWITCHYARD DETAILS

25250-400 25250-401 SH2 25250-402



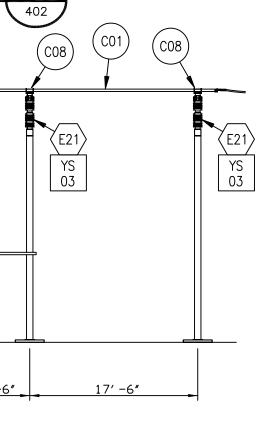




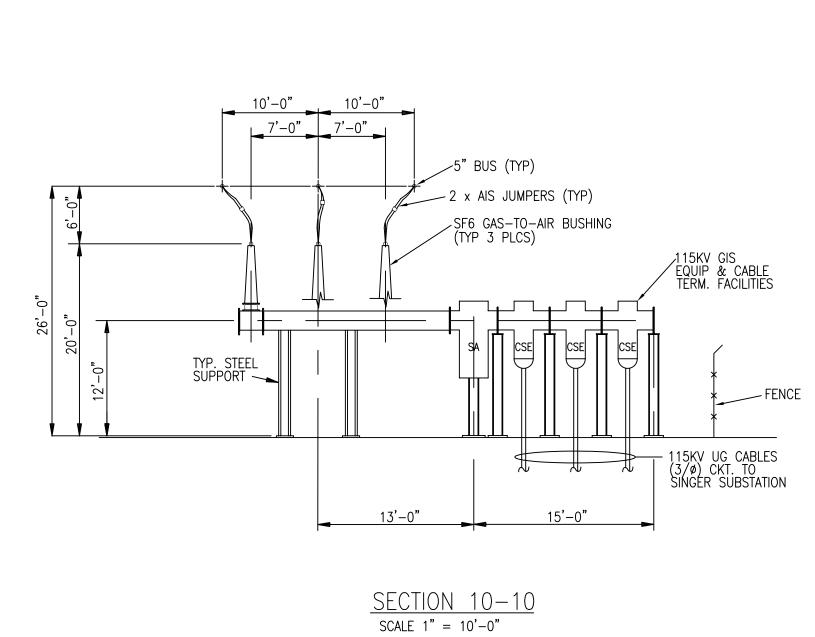




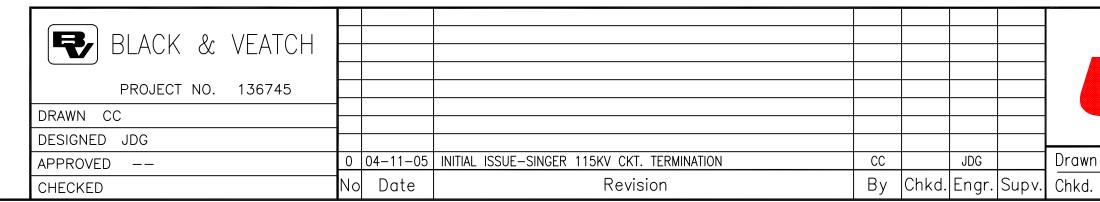
🕞 BLACK & VEATCH								
$[-\mathbf{V}]$ dlack α vlaten								
	5	04-11-05	REVISED FOR SINGER 115KV CKT TERMINATION	CC		JDG		
PROJECT NO. 39602	4	08-11-99	CCVT STRUCTURE MODIFICATIONS	AMB	JM	JM		
DRAWN RLP	3	08-18-98	BRIDGEPORT ENERGY (AS BUILT)	W.J.	K.L.K.	М.М.		
	2	11-11-97	ISSUED FOR CONSTRUCTION	RLP	ESF	BPL	DJK	
DESIGNED MJP	1	10-28-97	ISSUED FOR FABRICATION	RLP	ESF	BPL		
APPROVED	0	09-26-97	ISSUED TO UI FOR COMPANY REVIEW	RLP		MJP		Drawn
CHECKED ESF	No	Date	Revision	Вy	Chkd.	Engr.	Supv.	Chkd.



GRAPHIC SCALE 1"-10'-0"







<u>GENERAL NOTES:</u>

1. SEE MATERIAL LISTS FOR DESCRIPTIONS OF EQUIPMENT, STRUCTURES, AND FITTINGS.

2. SEE DWG 25250-400 FOR ADDITIONAL NOTES AND LEGEND.

REFERENCE DRAWINGS

SWITCHYARD BUS AND EQUIPMENT PLAN 115KV SWITCHYARD SECTIONS 115KV SWITCHYARD DETAILS



The	e United Illumina 157 Church St. New Ha		SWIT	GEPORT Iching S KV Swit(Section	STATION CHYARD	
awn <u>CC</u>	Date	Scale: 1"=10'-0"	CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER	
kd	Design Engr	Design Supv	<u>047791_2B</u>		25250-401	<u>SH2</u>