



City of Austin

PUBLIC WORKS DEPARTMENT

Project Management Division

505 Barton Springs Road, Suite 900, Austin, TX 78704

Phone

Fax

email to

Date: 7/17/20

PROJECT: Domain DCP Switchgear Replacement

CIP ID: 7174.070

IFB# CLMC802

SUBJECT: Answers to Bidders Questions as of the date of this letter, per 00100-IFB Article 1.(3)(C).

The following are answers to Bidders received on the above project. These answers do not modify the Contract. Any modifications to the Contract will be through Addenda

Q-1: The schedule is 243 calendar days. The switchgear manufacturers are saying for submittals, approvals, manufacturing and shipping the minimum time for these items is 30 - 32 weeks due to the Covid-19 virus. The schedule is 35 weeks. Is any consideration going to be given for the COVID-19 situation before the liquidated damages are assessed?

A-1: This item will be addressed via addendum.

Q-2: Demolition of the concrete pads will leave a very rough finish on the floors. Can the Engineer please specify what kind of finish will be acceptable for the Contractor to provide at the different locations where the pads are to be demolished?

A-2: Refer to drawing S100, Note E.

Q-3: The site visit video revealed that there is a paint scheme in place for the existing conduits, will any conduit painting be required for the new conduits being installed by this Contractor?

A-3: This item will be addressed via addendum.

Q-4: The plans do not tell us the vertical spacing between the first floor to the mezzanine under the proposed electrical gear, nor from the floor of the mezzanine to the ceiling above the proposed electrical gear. Please provide these dimensions.

A-4: Architectural drawings/elevations are not included in the scope of this project, therefore, refer to the attached original architectural drawing (A-2) for the Domain chilled water plant dated Dec. 14, 1979.

Q-5: Please confirm the spacing for the 1 through 8 column lines are 28 feet to center, and that the spacing for the A through E column lines are 24 feet to center.

A-5: Existing columns at plant are not evenly spaced. Column distances are as shown on drawings.

Q-6: Slide 42 of the powerpoint presentation indicates the equipment tagged FDPA4 to be a switchboard. However, plan sheet E400, one line diagram for substation 10, appears to indicate that the equipment tagged FDPA4 is a 250HP motor connected to a VFD? Please clarify if the tag name and equipment indicated on the one line is correct and if so, provide us with the location of the load tagged FDPA4.

A-6: Refer to drawing E201, Keynote 9.

Q-7: Refer to plan sheet E400, one line plan for substation 9, and the load tagged "ALT SEC PUMP". Slides 43,44,45 of the powerpoint presentation appear to indicate a transfer switch and a distribution panelboard upstream in the circuit ahead of the VFD? Please clarify if the tag name and equipment indicated on the one line is correct and if so, provide us with a location of the load tagged ALT SEC PUMP.

A-7: Refer to drawing E201, Keynote 11. Refer to pre-bid site visit PowerPoint Slide 53.

Q-8: The following items shown on the one-lines are not located on the floor plans: "MCC4NA", "MCC6N", "EDP1", "ALT SEC PUMP", AND "FDPA4". Please provide locations.

A-8: Refer to drawings E200 & E201. Refer to pre-bid site visit PowerPoint.

Q-9: The one-line on sheet E300 shows "EDP1" being removed from "CU-9A" The one-line on sheet E400 shows "EDP1" being refeed from Substation "9" as well as from "ATS2". Please clarify the requirements of this refeed.

A-9: This item will be addressed via addendum.

Q-10: Do you intend to issue a limited notice to proceed? The 243 calendar days for substantial completion to allow time to procure switchgear and install would not be enough time.

A-10: This item will be addressed via addendum.

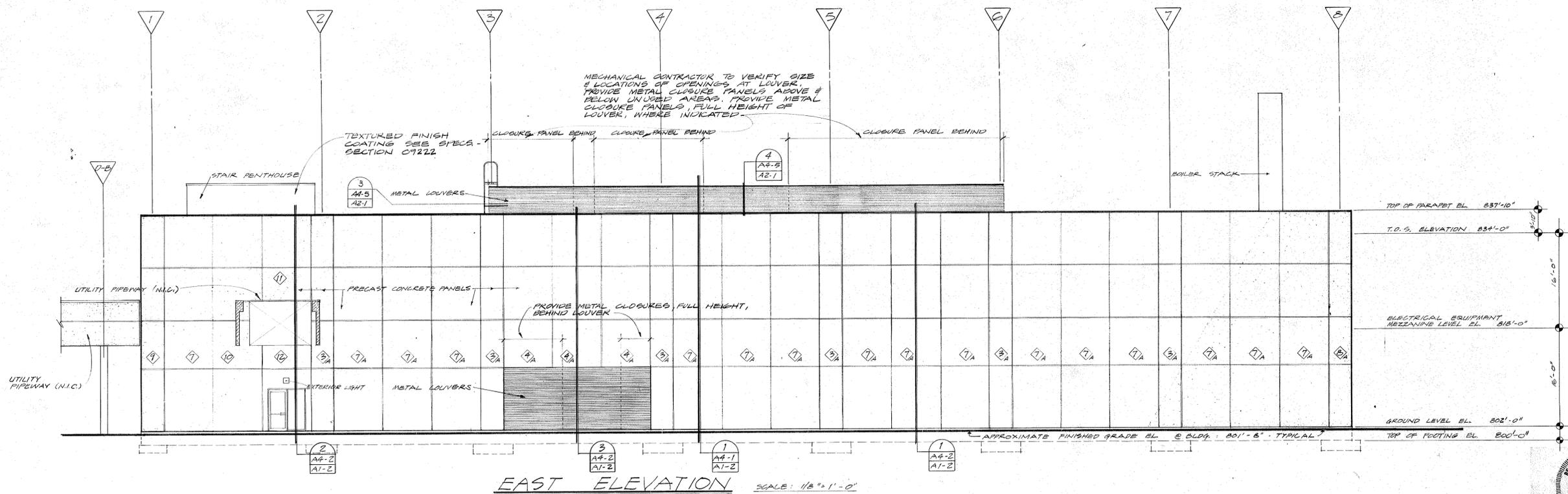
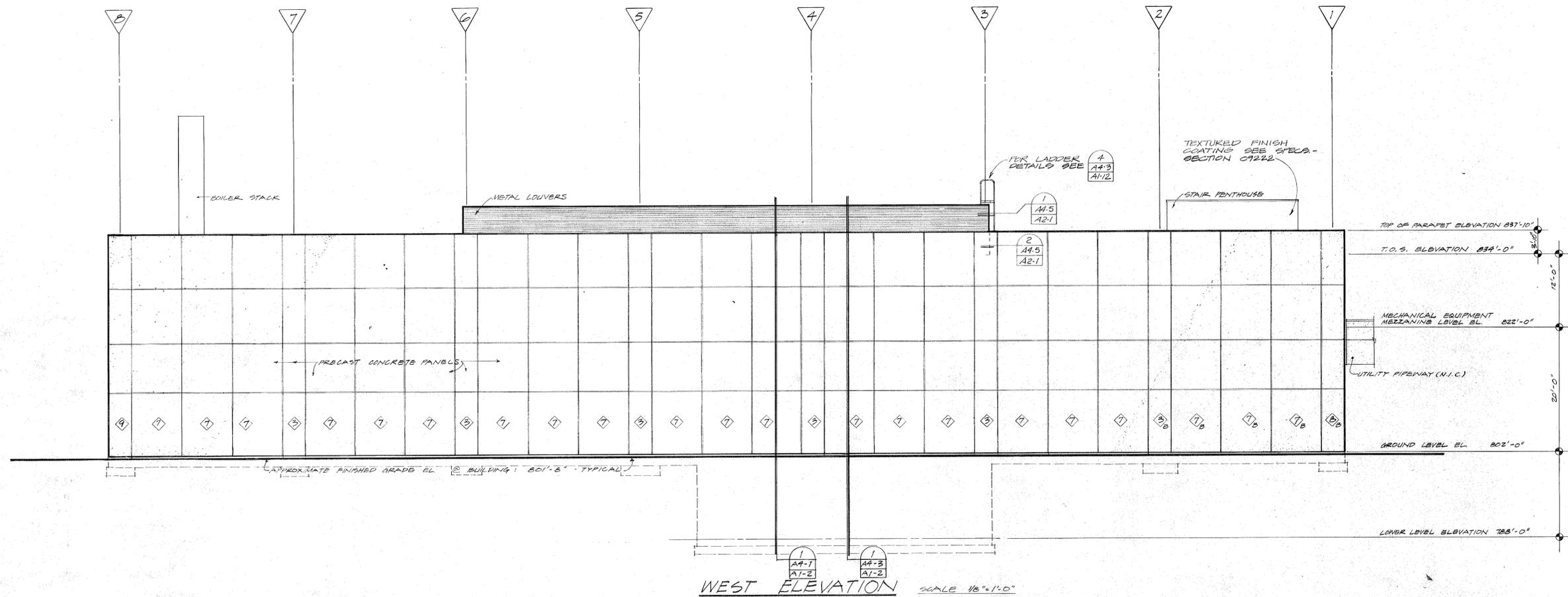
Q-11: On drawing E600 Feeder Schedule it shows mark numbers for the new conduit and wire and on E400 one lines there are no references to the mark numbers. Please clarify.

A-11: Refer to drawing E400, Keynote 3. Existing feeders are not tagged and are intended to be replaced with existing sizes based on ampacity and fuse size.

Q-12: I am being asked to quote rigging services for removing the old units and setting in place the new ones. This is very hard to do "sight unseen". Do you have any specs on the old and new equipment? Dimensions and weights specifically but make and model is good enough.

A-12: Refer to drawing E500 for new equipment dimensions and weights. Refer to attached four photographs of existing transformer weights, and attached four photos of as built drawings dated 01/06/1981 showing the weight and dimensions of all three sections of existing unit substations.

Deputy Project Manager:
Emily Edwards
Jacobs



APPROXIMATE FINISHED GRADE EL @ BLDG.: 801'-6" TYPICAL	BY	APPD.
DESCRIPTION	PLANNING	SYSTEMS
DATE	ENGINEERING	ECOSCIENCES
	ARCHITECTURE	

CIRCUIT PACKAGING FACILITY
General Technology Division
IBM Corporation
Austin, Texas

HENNINGSON, DURHAM & RICHARDSON, INC.

CENTRAL UTILITY PLANT BUILDING ELEVATIONS

PROJ. MGR	DG
DESIGN	DS
STRUCT.	JK
MECH.	MK
ELEC.	MK
JOB NO.	82150430
DATE	DEC 17, 1979
SHEET	A2-1

REG. NO. 7384
David H. Durham

HIGH VOLTAGE

GOULD



I-T-E Dry Type Transformer

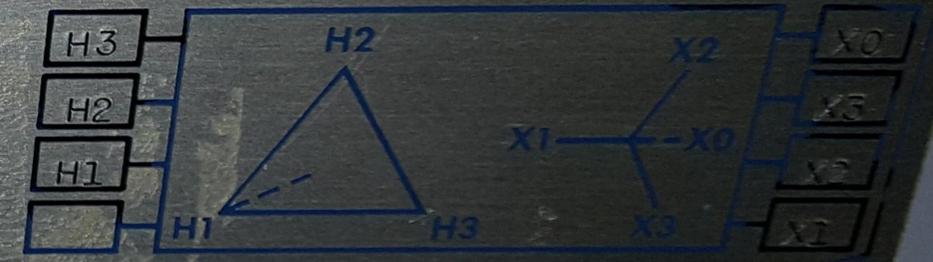
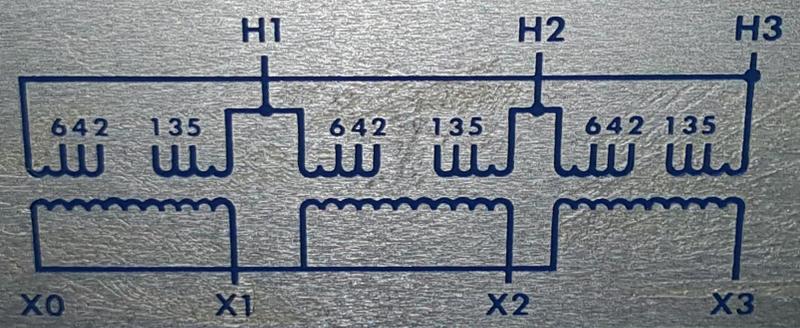
KVA 1500 AA 2000 FA HV 12470 LV 480Y/277 SER. NO. 24-28399

CLASS AA / FA TYPE VENT 3 PHASE 60 HZ TEMP. RISE 150 °C IMP. AT RATED VOLTS & KVA 5.89 %

LV AMP 1804 / 2406 BIL HV 95 KV LV 10 KV SPECS. NO. 48-54002-D6

APPROX. WGHT.
C&C 5950
TOTAL 7250

	AMPERES		CONN. TAP ON EACH COIL
	AA	FA	
<u>13095</u>	<u>66.1</u>	<u>88.0</u>	A <u>1-2</u>
<u>12780</u>	<u>67.8</u>	<u>90.1</u>	B <u>2-3</u>
<u>12470</u>	<u>69.4</u>	<u>92.4</u>	C <u>3-4</u>
<u>12160</u>	<u>71.2</u>	<u>94.7</u>	D <u>4-5</u>
<u>11845</u>	<u>73.1</u>	<u>97.2</u>	E <u>5-6</u>



DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS

DATE 11/80

INST. BOOK 18-11.1.7-2

CU-9A

GOULD



I-T-E Dry Type Transformer

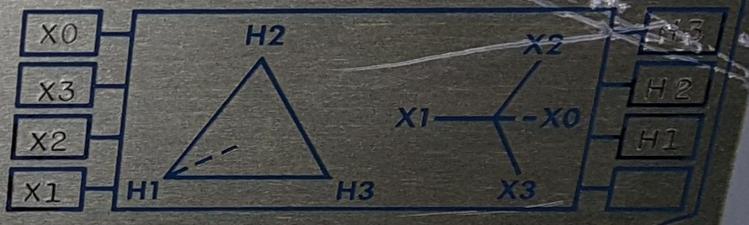
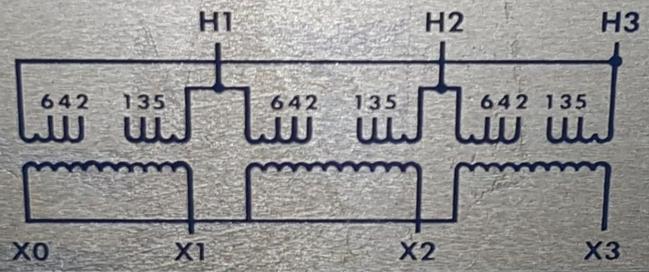
KVA 1500 AA 2000 FA HV 12470 LV 480Y/277 SER. NO. 24-28404

CLASS AA / FA TYPE VENT 3 PHASE 60 HZ TEMP. RISE 150 °C IMP. AT RATED VOLTS & KVA 5.96 %

LV AMP 1804 / 2406 BIL HV 95 KV LV 10 KV SPECS. NO. 48-54002-E APPROX. WGT. 5950

VOLTS AMPERES CONN. TAP ON DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS C&C 5950

	AA	FA	CONN. TAP ON EACH COIL
13095	66.1	88.0	A 1-2
12780	67.8	90.1	B 2-3
12470	69.4	92.4	C 3-4
12160	71.2	94.7	D 4-5
11845	73.1	97.2	E 5-6



TOTAL 7250

DATE 12/80 INST. BOOK 1B-11.1.7-2

CU-9B

GOULD



I-T-E Dry Type Transformer

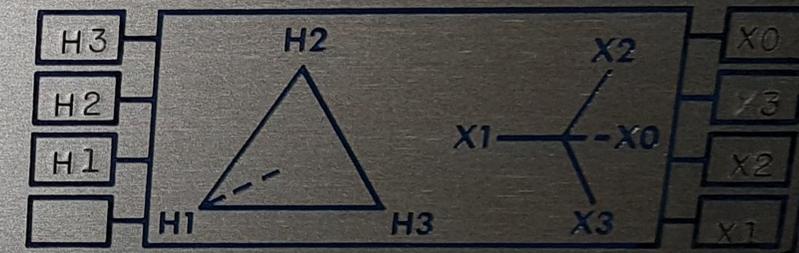
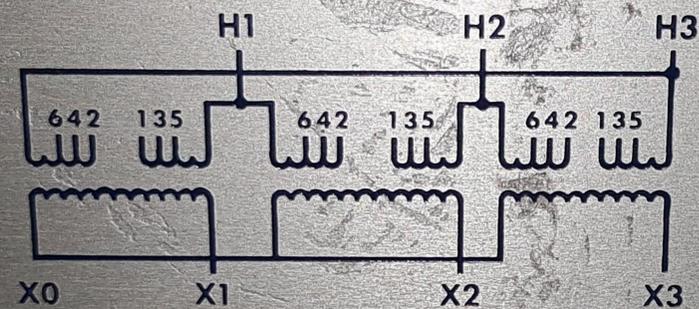
KVA 1500 AA 2000 FA HV 12470 LV 480Y/277 SER. NO. 24-28398

CLASS AA / FA TYPE VENT 3 PHASE 60 HZ TEMP. RISE 150 °C IMP. AT RATED VOLTS & KVA 5.86 %

LV AMP 1804 / 2406 BIL HV 95 KV LV 10 KV SPECS. NO. 48-54002-D5 APPROX. WGHT. 5955

VOLTS AMPERES CONN. TAP ON DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS C&C 7250
AA FA EACH COIL TOTAL

	AA	FA	CONN. TAP ON EACH COIL
13095	66.1	88.0	A 1-2
12780	67.8	90.1	B 2-3
12470	69.4	92.4	C 3-4
12160	71.2	94.7	D 4-5
11845	73.1	97.2	E 5-6



DATE 12/80 INST. BOOK 1B-11.1.7-2

CU-10A

E-T-N
 Eaton - Electrical Services & Systems
 TESTED BY _____ DATE _____
 24 HOUR SERVICE 1-800-498-2678

DANGER

HAZARD OF ELECTRICAL SHOCK OR BURN
 TURN OFF POWER SUPPLYING THIS EQUIPMENT BEFORE WORKING INSIDE.

HIGH VOLTAGE

GOULD 

I-T-E Dry Type Transformer

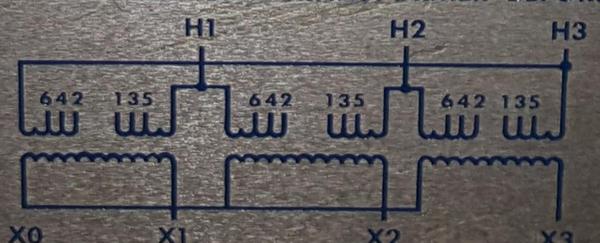
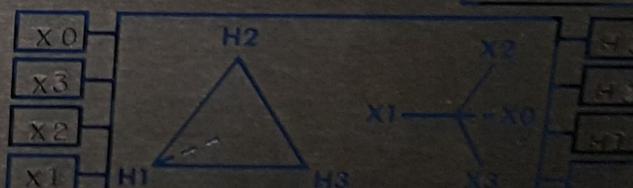
KVA AA FA HV LV SER. NO.

CLASS / TYPE 3 PHASE 60 HZ TEMP. RISE °C IMP. AT RATED VOLTS & KVA

LV AMP / BIL HV KV LV KV SPECS. NO. APPROX. WGT C&C TOTAL

VOLTS AMPERES CONN. TAP ON DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS

	AA	FA	EACH COIL
13095	66.1	88.0	A 1-2
12780	67.8	90.1	B 2-3
12470	69.4	92.4	C 3-4
12160	71.2	94.7	D 4-5
11845	73.1	97.2	E 5-6

DATE INST. BOOK

CUB No
ITEM No

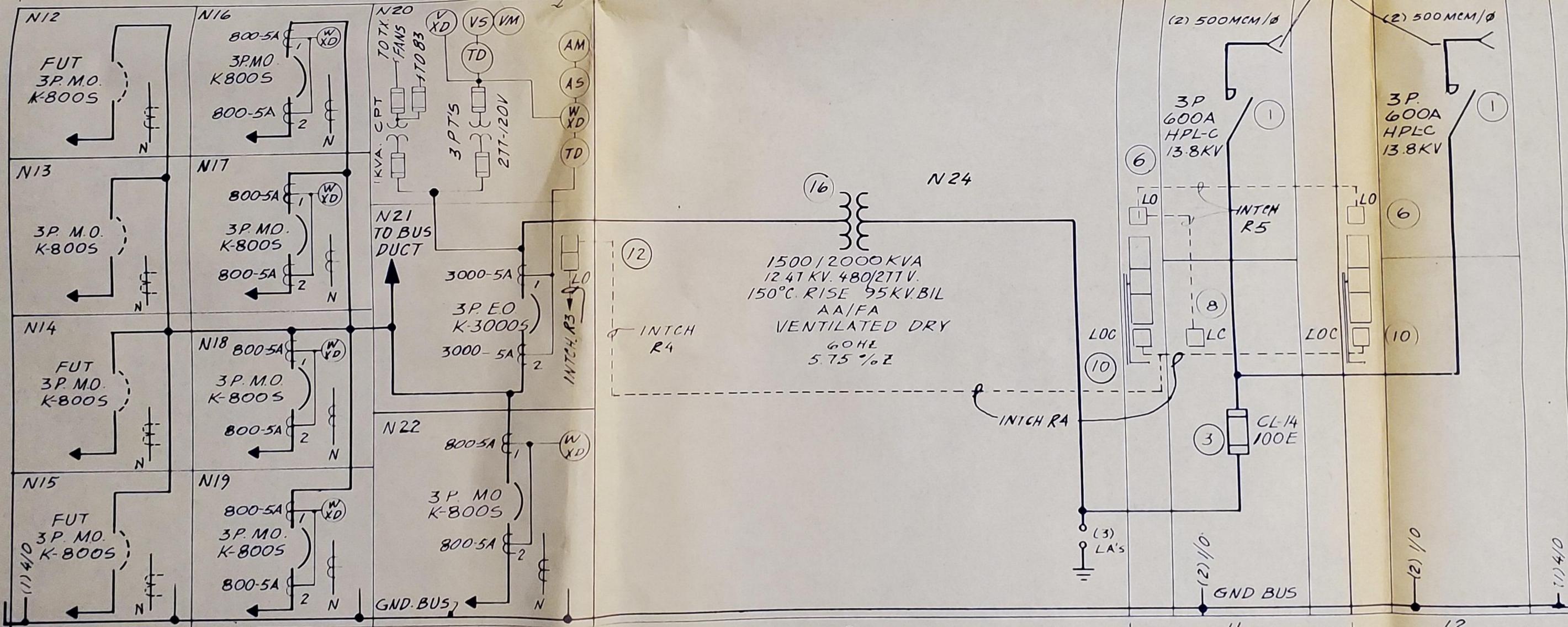
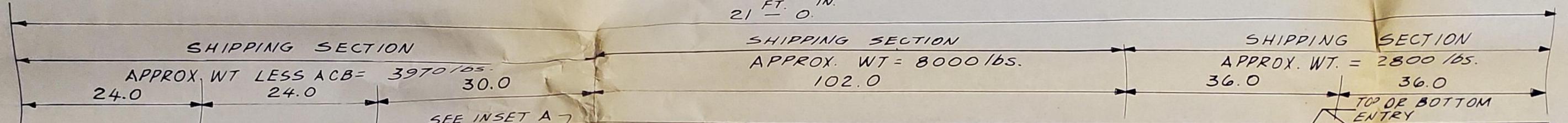
R01

R02

R03

FRONT VIEW & SINGLE LINE DIAGRAM - SIDE A

21 FT. IN.
21 - 0.



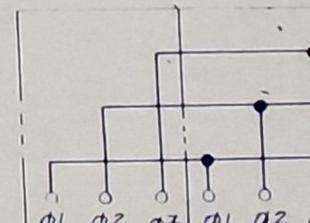
G-BB CUB #

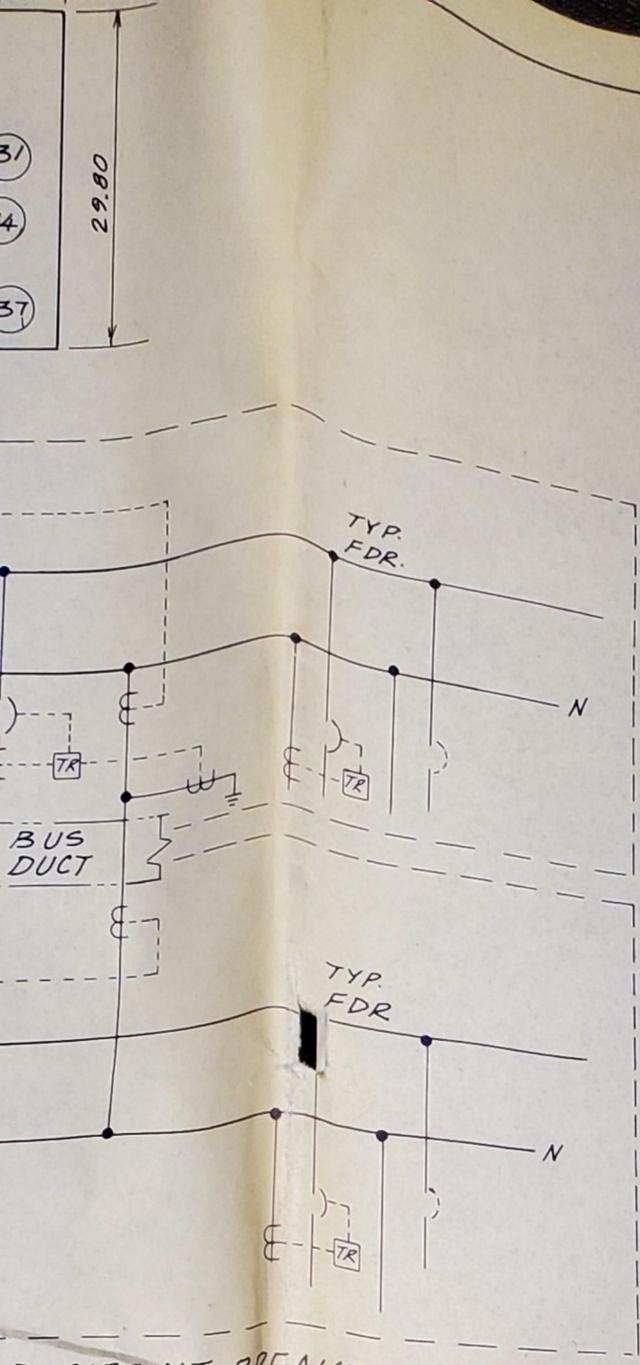
ITEM No

R03

R05

R06





D CIRCUIT BREAKER PROTECTION

N NO.	ACB PC NO.	TRIP DEVICE TYPE	AMP-TRAP FUSE	LUGS
2	18	SS4GDE4		
3	18	SS4GDE4		
4	212	SS5G4		
5				
6				
7				
8				
9				FUTURE
10				
11				
12				
13				
14				
15				FUTURE
16	212	SS5G4		
17				
18				
19				
20				
21	18	SS4GDE4		
22	212	SS5G4		

PLEASE SPECIFY SIZE OF LUGS REQ'D ON EACH BREAKER.

NOTES:

- OVERALL SHIPPING DIMENSIONS ARE NOT LIMITED TO HOUSING DIMENSIONS SHOWN. SHIPPING SECTIONS MAY BE INCREASED BY EXTENSIONS OF BUSHINGS, BUS ETC. ON EITHER OR BOTH ENDS OF SPLIT. IF DIMENSIONS OF SHIPPING SECTIONS ARE CRITICAL, REFER TO HOME OFFICE FOR FIRM OVERALL DIMENSIONS.
- REFER TO DWG. 837695 FOR STANDARD SINGLE LINE SYMBOLS.
- STANDARD GOULD I-T-E FINISHED (UNLESS OTHERWISE SPECIFIED)
INDOOR - LIGHT GRAY BAKED SYNTHETIC ENAMEL, ANSI61
OUTDOOR - SKY GRAY BAKED SYNTHETIC ENAMEL, ANSI
- A.C.B. WEIGHTS
K30005 E.O. = 548 Lbs.
K8005 M.O. = 112 Lbs.

NO.	REVISIONS	BY & DATE	CHD.	APP.
1	REV. "AS BUILT"	R.F.H. 1-6-81	DMC	JAF

INDOOR SEC. UNIT SUBSTA. 1500 KVA, 12.47KV-480/277V, 3Ø, 4W, 60HZ
 GENERAL ARRANGEMENT-TYPE 3 SUBSTA. CU-IO
 SOLD TO: IBM CORP. REAL ESTATE & CONSTR. DIV., PORTCHESTER, N.Y.
 FOR: IBM CORP. CIRCUIT PACKAGING FACILITY, AUSTIN, TEXAS

NEXT ASSM.	CUST. P. O. RECD 2008	S. O. 48-54002	ITEM R
TYPE	PROD.	CLASS	BY DATE 7.B. Ortiz 6-27-80
			CHD. B KLEINMAN DATE 6-30-80
			APP. DATE 6-30-80

GOULD SWITCHGEAR DIVISION SANFORD OPERATION
 MANUFACTURER OF I-T-E EQUIPMENT
 SIZE D 54002-D0041
 SH. NO. 1 OF 2 SCALE NONE

STANDARD TOLERANCE INFO. ON DR. 52016
 DIMENSIONS ARE IN INCHES.
 TOLERANCES - UNLESS OTHERWISE SPECIFIED
 2 PL. DEC. ±

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