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Vancouver  
British Columbia  
V6Z 2V8  
Bid Fax: (604) 775-9381

## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

### Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada -  
Pacific Region  
800 Burrard Street, 12th floor  
800, rue Burrard, 12e étage  
Vancouver  
British C  
V6Z 2V8

<b>Title - Sujet</b> Pump Replacement	
<b>Solicitation No. - N° de l'invitation</b> F1700-120202/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> 2012-07-18
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-019-6717	
<b>File No. - N° de dossier</b> PWY-2-35021 (019)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-07-24</b>	<b>Time Zone</b> Fuseau horaire Pacific Daylight Saving Time PDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Ngan, Ken (PWY)	<b>Buyer Id - Id de l'acheteur</b> pwy019
<b>Telephone No. - N° de téléphone</b> (604) 658-2755 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DFO - Quinsam River Hatchery, Campbell River, B.C.	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation

F1700-120202/A

Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.

005

File No. - N° du dossier

PWY-2-35021

Buyer ID - Id de l'acheteur

pw019

CCC No./N° CCC - FMS No/ N° VME

---

Please find Addendum #3 attached.

**All other terms and conditions remain unchanged.**

This Amendment 005 (Addendum #3) is raised to provide clarifications to the specifications of the required work.

**Solicitation: F1700-120202**  
**Pump Replacement – Quinsam River Hatchery**

The following changes in the tender documents are effective immediately. This addendum will form part of the Contract Documents.

**Addendum No. 3**

**1. We do not see any load reactor between the drive and the motor. This protects the motor from voltage spikes and the motor will last a lot longer.**

Output filters are not shown in the contract documents and are not required.

**2. The one line shows both a breaker and fuses protecting the drive. The spec calls for new MCC buckets with feeder breakers. Are you wanting both MCP breaker and fuses installed in the NEMA 12 enclosures with the drive or just the MCP breaker as disconnect in the drive enclosure.**

The drives should be installed in NEMA 12 enclosures per the drive manufacturers recommendations and requirements. As shown on sheet E3, if fusing is required by the drive manufacturer, they should be provided.

**3. The one line also calls for MCP breaker in the new MCC buckets but these need to be molded case breakers as MCP breakers have no thermal protection to protect the cable going to the drives.**

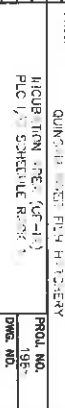
Short circuit and thermal overload protection is required for the motors. The drawings show motor circuit protectors in the MCC and thermal overloads at the VFD (see detail 3/E-3).

**4. Can you please provide more details as the model of existing AB PLC and HMI. Also, will we be getting a copy of the current configuration in order to add more programming?**

See attached.

**End of Addendum No. 3**





3 INSTALLED  
DRAWINGS  
PULSAR 2 SYSTEM  
Date: 1/27/11

ICS  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
1/27/11	1. INSTALLED

ICS  
HEALY-RUFF  
INSTRUMENT  
CONTROL SYSTEMS, INC.

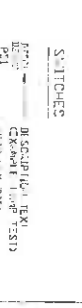
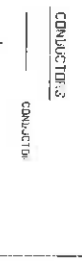
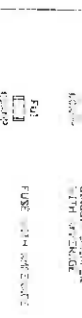
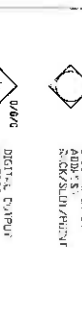
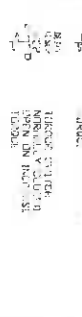
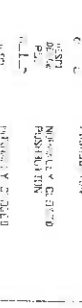
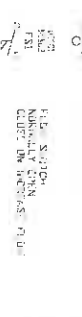
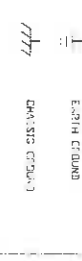
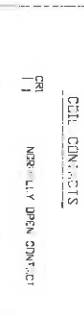
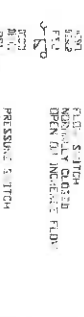
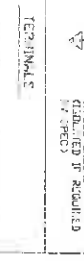
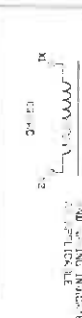
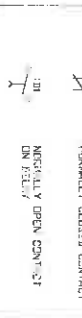
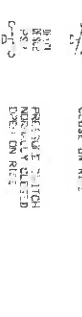
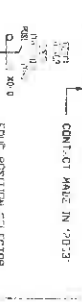
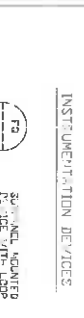
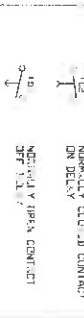
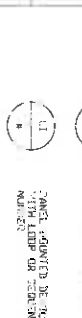
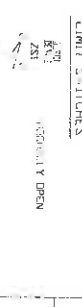
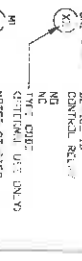
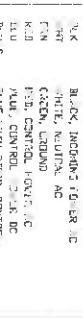
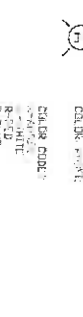
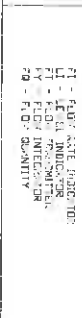
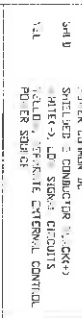
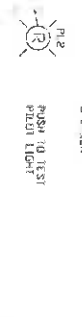
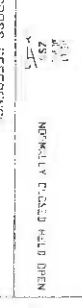
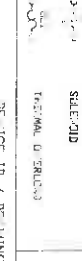
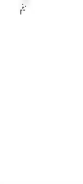
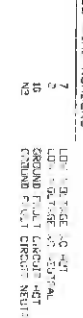
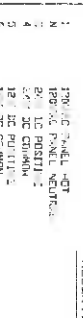
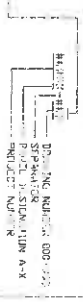
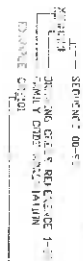
FOR ADDITIONAL INFORMATION  
CONTACT ICS HEALY-RUFF  
NOT TO BE REPRODUCED, ALL  
RIGHTS RESERVED.

DATE	PROJ	PROJ NO.
1/27/11	15906-152-15906	15906-152-15906

QUINCY REED HATCHER  
CIRCUIT SHEET

DATE	PROJ	PROJ NO.
1/27/11	15906-152-15906	15906-152-15906

PROJ. NO.  
15906-152-15906



**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

FILENAME	TITLE.1	TITLE.2	TITLE.3	TITLE.4	FILEDATE
15833-1006		DR-33-10 INDEX			7/3/2015
15906-307	FIELDER, R.D. (GP-113)	FIELDER, DETAIL	CONTROL P.O. R. MARKING		6/28/2010
15935-1106	FIELDER, R.D. (GP-113)	P.L.V. SCHEDULE			1/1/2010
15964-1006	FIELDER, R.D. (GP-113)	ENC. FLOWERS IN UPS			5/3/2010
15986-1008	FIELDER, R.D. (GP-113)	24 HOURS PER-CENT-RATE	CONTROL P.O. R. MARKING		7/1/2010
15994-101	FIELDER, R.D. (GP-113)	SP. RE. DISORD. IN CULTIVUS	CONTROL P.O. R. MARKING		7/1/2010
15996-109	FIELDER, R.D. (GP-113)	SP. RE. DISORD. IN CULTIVUS	CONTROL P.O. R. MARKING		7/1/2010
15998-113	FIELDER, R.D. (GP-113)	SP. RE. DISORD. IN CULTIVUS	CONTROL P.O. R. MARKING		7/1/2010
15999-104	FIELDER, R.D. (GP-113)	SP. RE. DISORD. IN CULTIVUS	CONTROL P.O. R. MARKING		7/1/2010
15999-105	FIELDER, R.D. (GP-113)	SP. RE. DISORD. IN CULTIVUS	CONTROL P.O. R. MARKING		7/1/2010

[illegible]

AS INSTALLED  
DRAWINGS  
DATE: 1/15/2011  
BY: J. H. H.

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
1/15/2011	1. FIRST
1/15/2011	2. REVISED

**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
15000 15th Avenue North, Suite 100, Phoenix, AZ 85021  
PH: (602) 998-8888 FAX: (602) 998-8889 WWW.ICS-HEALY-RUFF.COM

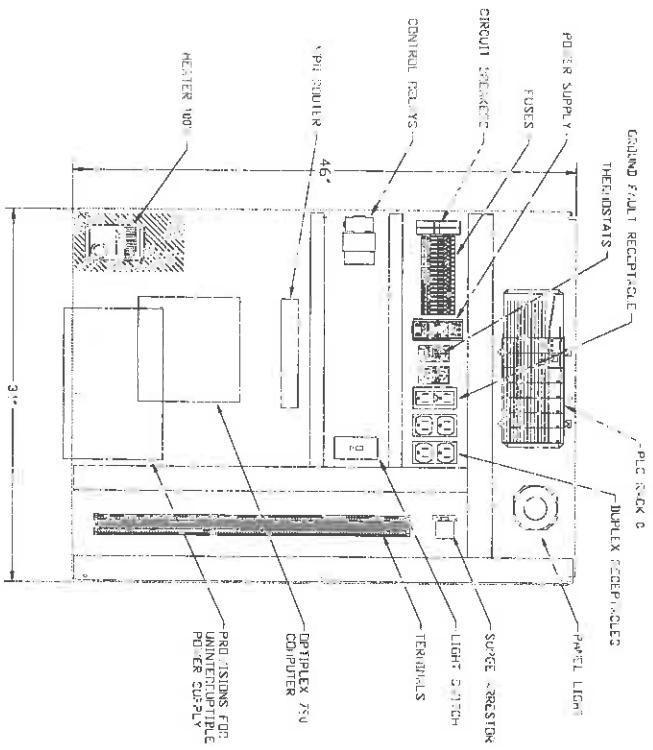
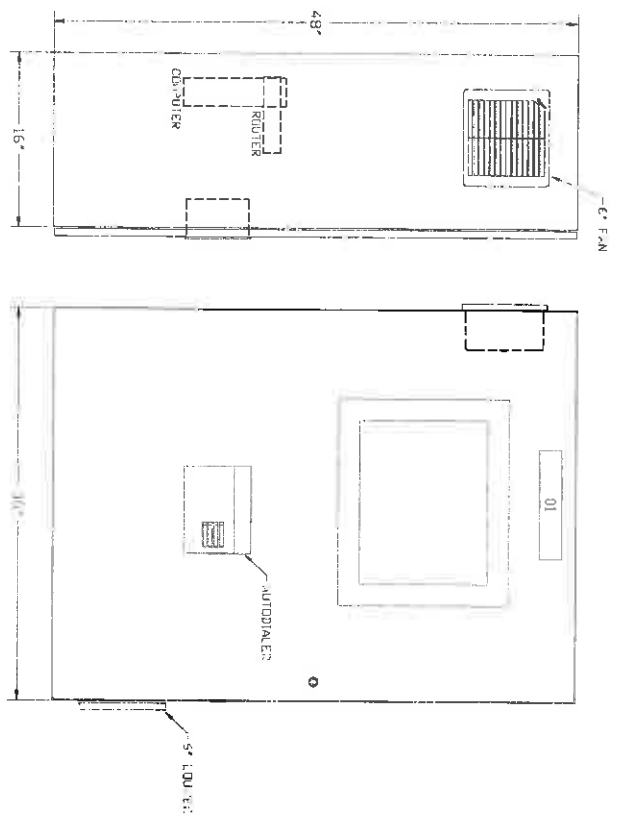
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PROPRIETARY INFORMATION  
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RIGHTS RESERVED.  
INSTRUMENT CONTROL  
SYSTEMS, INC.

DATE	PROJECT	PROJ. NO.
1/15/2011	QUINCY HATCHERY HATCHERY	1526-001
1/15/2011	HATCHERY BLDG. (CP-HQ)	1526-001
1/15/2011	ENCLOSURE DETAIL	1526-001
1/15/2011		1526-001

NOTES:

- ENCLOSURE IS A NEW, TYPE 418 WALL MOUNT HATCHERY CONTROL.
- WITH INSET PANEL HEIGHT CP4035.
- 2 INCH IS INSET AT GRY.
- 3 IN. SMD.

SCALE  
0 6" 12" 18"



PANEL LAYOUT

TAG	LINE1	LINE2	LINE3	SIZE	REMARKS
01	CP-HQ			3X10	
NAMEPLATE ARE BLOCK WITH WHITE LETTERS					







The diagram illustrates the electrical wiring for a control panel. It shows a power supply section with a 240V AC input, a 24V DC output, and a 24V AC output. The control section features a thermostat, a relay, and a control valve. The diagram is labeled 'CONTROL PANEL' and 'HEATING SYSTEM'.

ICS INSTALLED  
DATE: 6/2/00  
BY: J. W. NICHOLS  
1/2/01

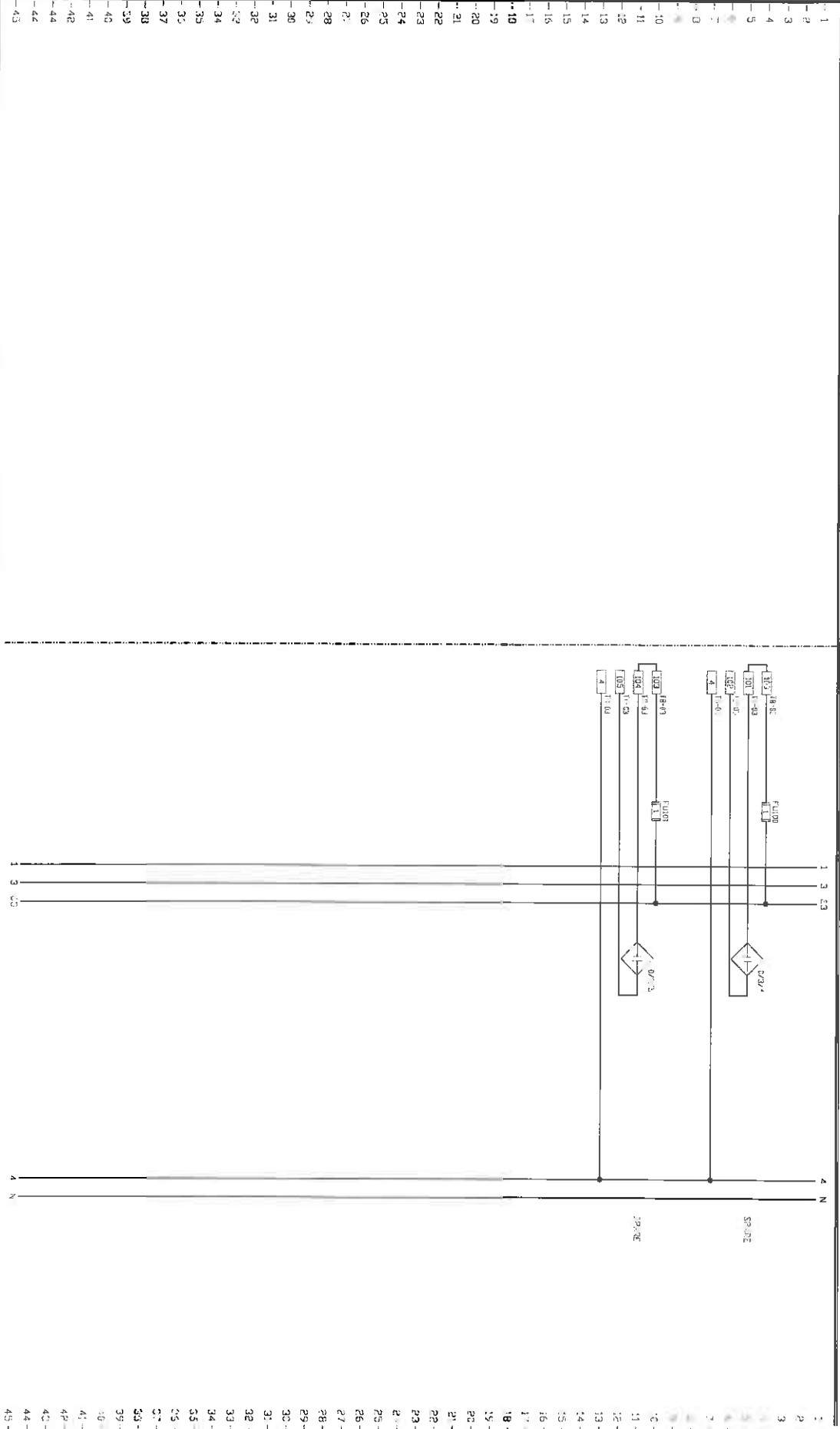
# ICS INSTRUMENT CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
6/2/00	1.000
1/2/01	1.001

**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
1200 100 Avenue North, Suite 100, Okemah, OK 74450  
PH: (918) 895-6888 FAX: (918) 895-2187 www.icshealy-ruff.com

DATE	DATE	PROJECT
6/2/00	6/2/00	HATCHERY BLDG. (CP-H)
1/2/01	1/2/01	SPARE DIGITAL CIRCUITS

DATE	DATE	PROJECT
6/2/00	6/2/00	HATCHERY BLDG. (CP-H)
1/2/01	1/2/01	SPARE DIGITAL CIRCUITS



FIELD OR AS NOTED

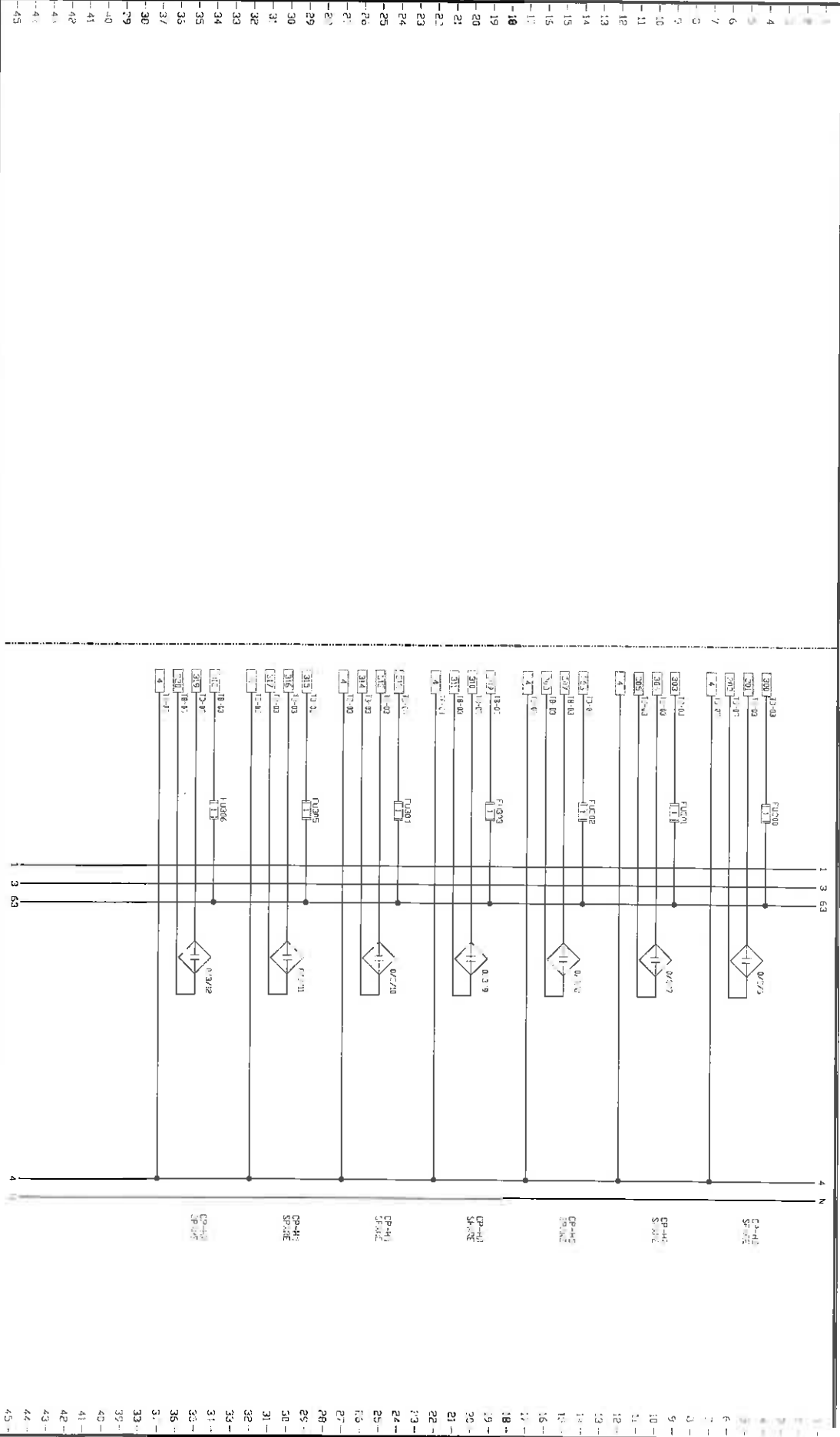
CONTROL PANEL

CONTROL PANEL



FIELD OR AS NOTED

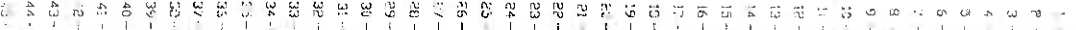
CONTROL PANEL



<b>INSTALLED</b> DRAWING BY: [Signature] DATE: 1/21/11	<b>DATE</b> 1/21/11	<b>REVISION DESCRIPTION</b> 1. REVISED 2. REVISED 3. REVISED 4. REVISED 5. REVISED 6. REVISED 7. REVISED 8. REVISED 9. REVISED 10. REVISED 11. REVISED 12. REVISED 13. REVISED 14. REVISED 15. REVISED 16. REVISED 17. REVISED 18. REVISED 19. REVISED 20. REVISED 21. REVISED 22. REVISED 23. REVISED 24. REVISED 25. REVISED 26. REVISED 27. REVISED 28. REVISED 29. REVISED 30. REVISED 31. REVISED 32. REVISED 33. REVISED 34. REVISED 35. REVISED 36. REVISED 37. REVISED 38. REVISED 39. REVISED 40. REVISED 41. REVISED 42. REVISED 43. REVISED 44. REVISED 45. REVISED	<b>ICS INSTRUMENT CONTROL SYSTEMS</b> 12000 West Avenue North, Suite 110, Plymouth, MI 48178 Ph: 734.500.0000 Fax: 734.500.0100 www.icsinstrument.com	<b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 12000 West Avenue North, Suite 110, Plymouth, MI 48178 Ph: 734.500.0000 Fax: 734.500.0100 www.icsinstrument.com	<b>DATE</b> 1/21/11	<b>PROJECT</b> QUANTUM RIVER POWER HISTORY	<b>PROJ. NO.</b> DWC-1988-195-A1974
	<b>DATE</b> 1/21/11	<b>REVISION DESCRIPTION</b> 1. REVISED 2. REVISED 3. REVISED 4. REVISED 5. REVISED 6. REVISED 7. REVISED 8. REVISED 9. REVISED 10. REVISED 11. REVISED 12. REVISED 13. REVISED 14. REVISED 15. REVISED 16. REVISED 17. REVISED 18. REVISED 19. REVISED 20. REVISED 21. REVISED 22. REVISED 23. REVISED 24. REVISED 25. REVISED 26. REVISED 27. REVISED 28. REVISED 29. REVISED 30. REVISED 31. REVISED 32. REVISED 33. REVISED 34. REVISED 35. REVISED 36. REVISED 37. REVISED 38. REVISED 39. REVISED 40. REVISED 41. REVISED 42. REVISED 43. REVISED 44. REVISED 45. REVISED	<b>ICS INSTRUMENT CONTROL SYSTEMS</b> 12000 West Avenue North, Suite 110, Plymouth, MI 48178 Ph: 734.500.0000 Fax: 734.500.0100 www.icsinstrument.com	<b>DATE</b> 1/21/11	<b>PROJECT</b> QUANTUM RIVER POWER HISTORY	<b>PROJ. NO.</b> DWC-1988-195-A1974	



PROJECT	QUINCY RIVER FISH HATCHERY	PROD. NO.	1-8-5
	HATCHERY BLDG. (OP-45)		
	SP. FEEDER OUTPUT	DWG. NO.	105
	CONTROL PLEER DRAWING		



INSISTED  
DRAWING  
FINAL CRUISE  
ANY CRUISE  
IN 1960

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE \_\_\_\_\_

REVISION DESCRIPTION

test for each measurement was conducted a month prior

---

DATE 5/7/10

---

1



[illegible]

ADJUSTED  
DEATHS  
FINDING THE  
NEW AIDS  
BUILDING  
1/8/91

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

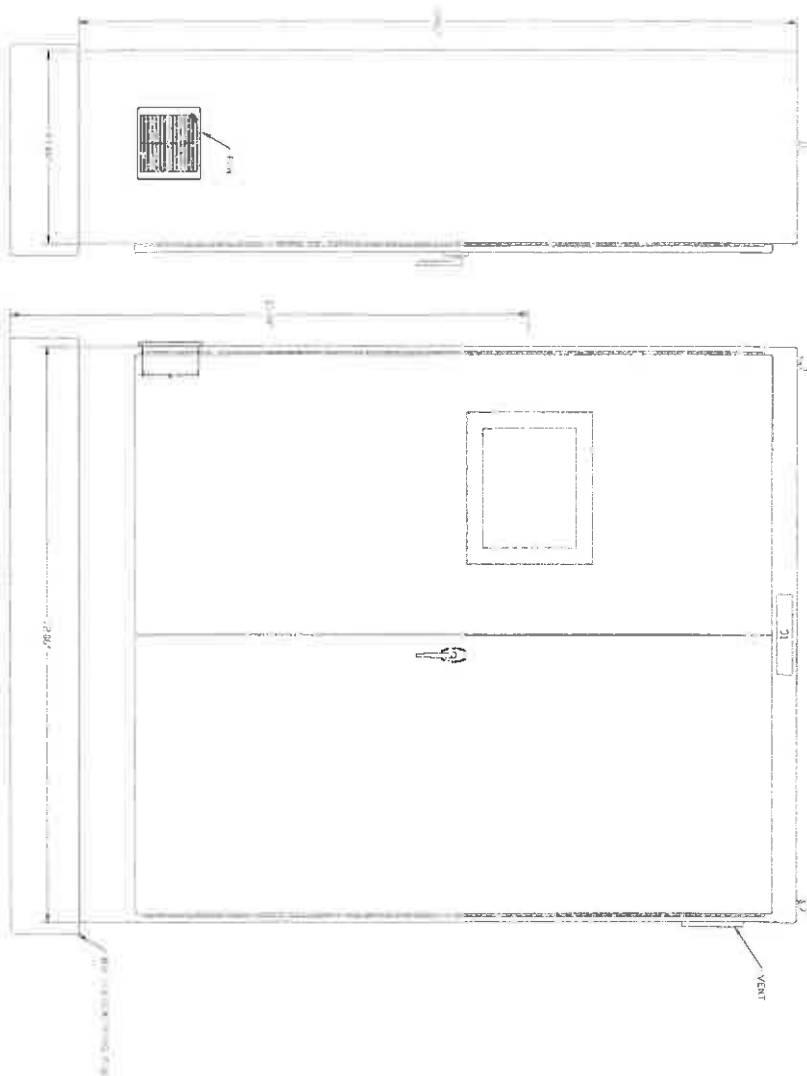
DATE	REVISION DESCRIPTION
6/29/10	1. PLOT
1/27/11	2. S. BY T. (CUT)

**ICS HEALY-RUFF**  
HEAT AND WEATHER CONTROL SOLUTIONS  
Instrument Control Systems, Inc.  
17005 160 Avenue Metro, Suite 100, Plymouth, MI 48170

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INSTRUMENT CONTROL  
SYSTEMS, INC.

PROJECT	QUINCY POWER STEAM GENERATOR
INCUBATION CODE (CP-14)	PROJ. NO. 5065
ENCLOSURE DATA	DWG. NO. 353

24



MONTHLY SCHEDULE					
TAG	LINE1	LINE2	LINE3	SIZE	REMARKS
01	CP 11	INCUBATION AREA		5x10	
NUMBER ONE BUCK WITH WHITE LETTER					





PROD. NO.	19J-51
-----------	--------

3  
9  
25

### PANEL LAYOUT

TEMPLATE SCHEDULE					
TAG	LEVEL	LINE	LINE#	SIZE	REMARKS
01	0'-0"	DOOR	1	2-10	
02	0'-0"	DOOR	2	1-7	
SS400	0'-0"	DOOR	3	1-3	
SS700	0'-0"	DOOR	4	1-3	
REMARKS: ALL DOORS WITH 1/2" LATCHES					

QTY	TAKE	DESCRIPTION	REF	CATALOG
1	CP-00	COMPUTER SYSTEM AND SYSTEM SOFTWARE FACTOR	DELL	DEPLEN 70 007
1	DI-00	LED TOUCHSCREEN MONITOR HIS-60 15" DIA TOUCHSCREEN / USB / X SC 15" INCH LCD	HPD INDUSTRIAL SYSTEMS	HIS-6015-15"
1	GA-01	GEN CODE	GENETIC	GEN1
1	GA-02	VIDEO CODE	GENETIC	GEN2
1	GA-03	ETHNET CODE	GENETIC	GEN3

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
6/25/71	REVISED
7/29/71	REVISED

# ICS HEALY-RUFF

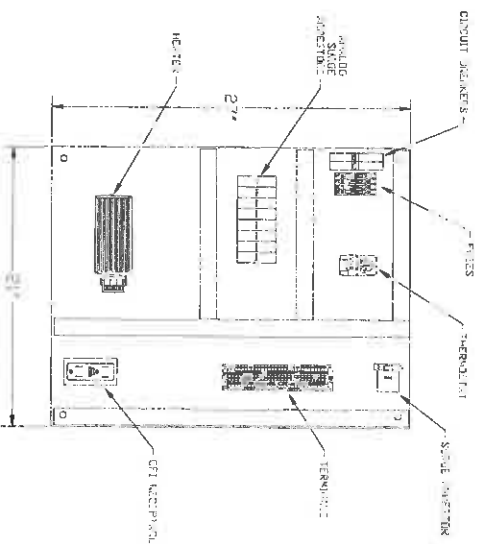
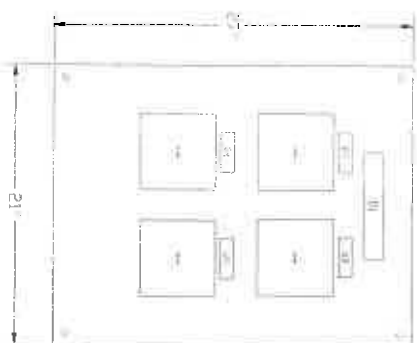
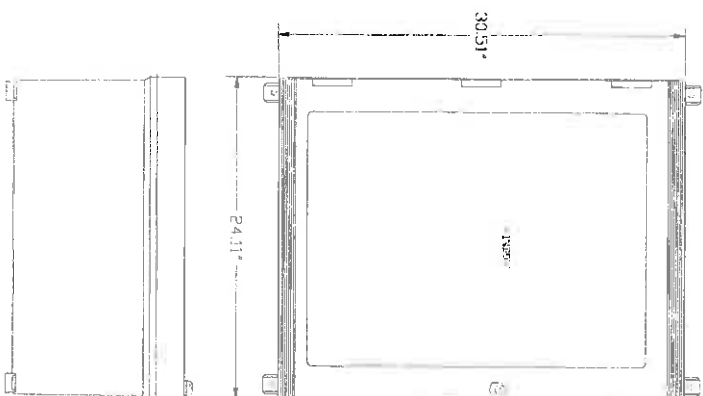
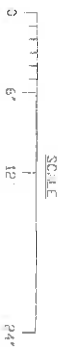
**Instrument Control Systems, Inc.**  
13005 16th Avenue North, Suite 100, Plymouth, MN 55441  
Ph: (763) 554-0566 Fax: (763) 559-2187 [www.icsintl.com](http://www.icsintl.com)

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	CHD.	GK
	ENGR.	50
	ASSEM.	
	SHEET	8 of 50

QUINCY TIGER FISH SOCIETY	PRDA NO.
SOLD HOLDING PAPER (PO-58)	158582
ENCLOSURE DETAIL	DWG. NO.
	03

## NOTES:

- 1 ENCLOSURE IS A NORTH-FACE 4X 4-ALL-MEDIUM HEAVY-MAN UN7560307,  
WITH ANNUAL FACEL AND FINEST (30P2), AND STAFF CUT P-CELL UN5065.
- 2 FINISH TO FIBERGLASS GRAY
- 3 UN 5065



### References

## Paper Layout

NAMEPLATE SCHEDULE				
TAG	LINE1	LINE2	SIZE	REMARKS
01	SP-101	DLL1 H.O. DING PINDS	1.5x8	
02	017-101		1x3	
03	017-108		1x3	
04	017-453		1x3	
05	011-454		1x3	

NAMEPLATES ARE BLACK WITH WHITE LETTERS



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[illegible][illegible]

		AS INSTALLED L. K. JAMES 1000 P. O. BOX 1000 LAFAYETTE, MISSOURI 64501-1000 1-800-771-1111	
DATE	12/3/00	REVISION DESCRIPTION	1. INITIAL
	1/6/01		2. IN. CHANGED
			
HEALY RUFF AND ASSOCIATES CONTROL SYSTEMS Instrument Control Systems, Inc. 12005 NW Avenue North, Suite 100, Plymouth, MN 55441 Tel: (763) 584-9999 Fax: (763) 584-9977 www.icshealyruff.com			
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DATE	6/10/10	PROJECT	QUANTON INLET FISH HATCHERY
DWG. NO.	01	INSTRUMENTATION AREA (CP-01)	
CDL	01	PLANT NO.	PL-1
CW		CONTROL NO.	CP-01
ASSEMBLY			
SHEET	10 OF 14	PROJ. NO.	10389
		DWG. NO.	01



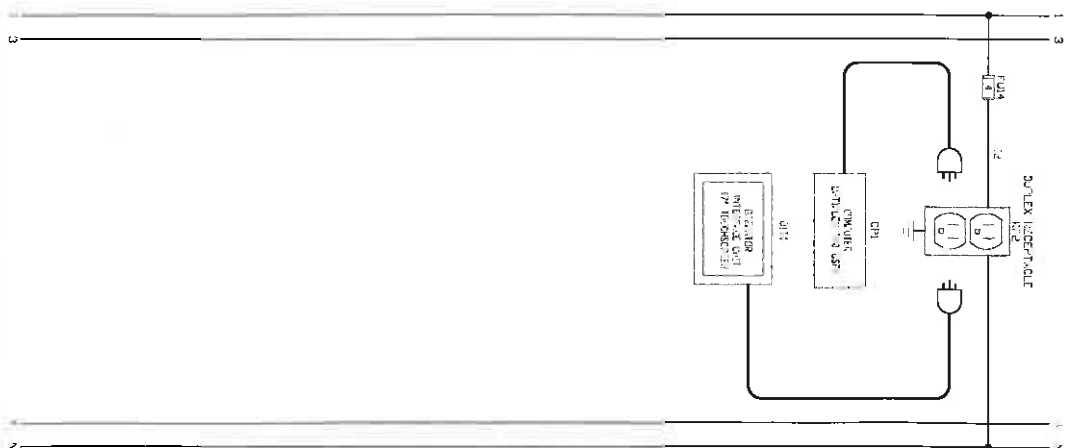


<b>ICS HEALY-RUFF</b> <small>DESIGN AND CONSTRUCTION SOLUTIONS</small> Instrument Control Systems, Inc. 701 1028 5000 Street, Suite 100, Fort Collins, CO 80504 Phone: (970) 226-5877, Fax: (970) 226-5878 <a href="http://www.icshealy-ruff.com">www.icshealy-ruff.com</a>	(C) 2010 CONFIDENTIAL ALL RIGHTS RESERVED NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEMS, WITHOUT PERMISSION IN WRITING FROM ICS HEALY-RUFF	
	DATE: 6/25/10 DRAWN: JLS CHECKED: GJ DESIGNED: CM ASSEMBLED: CM SHEET: 1 of 79	PROJECT: JUNCTION IN ON HIGH SOCIETY 24 311-44 STREET (2nd FL) 24 311-44 STREET CENTRAL PARK WING
PROJ. NO.: 10-016 DWG. NO.: 709		

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DATE	8/21/70	PROJECT	QUINCY PLANT HIGH HATCHERY
DRAWN	JL		
CHECKED	GR		
ENGINEER	CR		
ASSEMBLED			
SHEET	1 OF 19		
		INSTRUMENT NO. (P-10)	PROJ. NO.
		24 POLY-ETHYLENE	19463
		CORRUGATED PAPER WRAPPING	
			DRAWING NO.
			4259

CP-1.5



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water and wastewater for odor problems

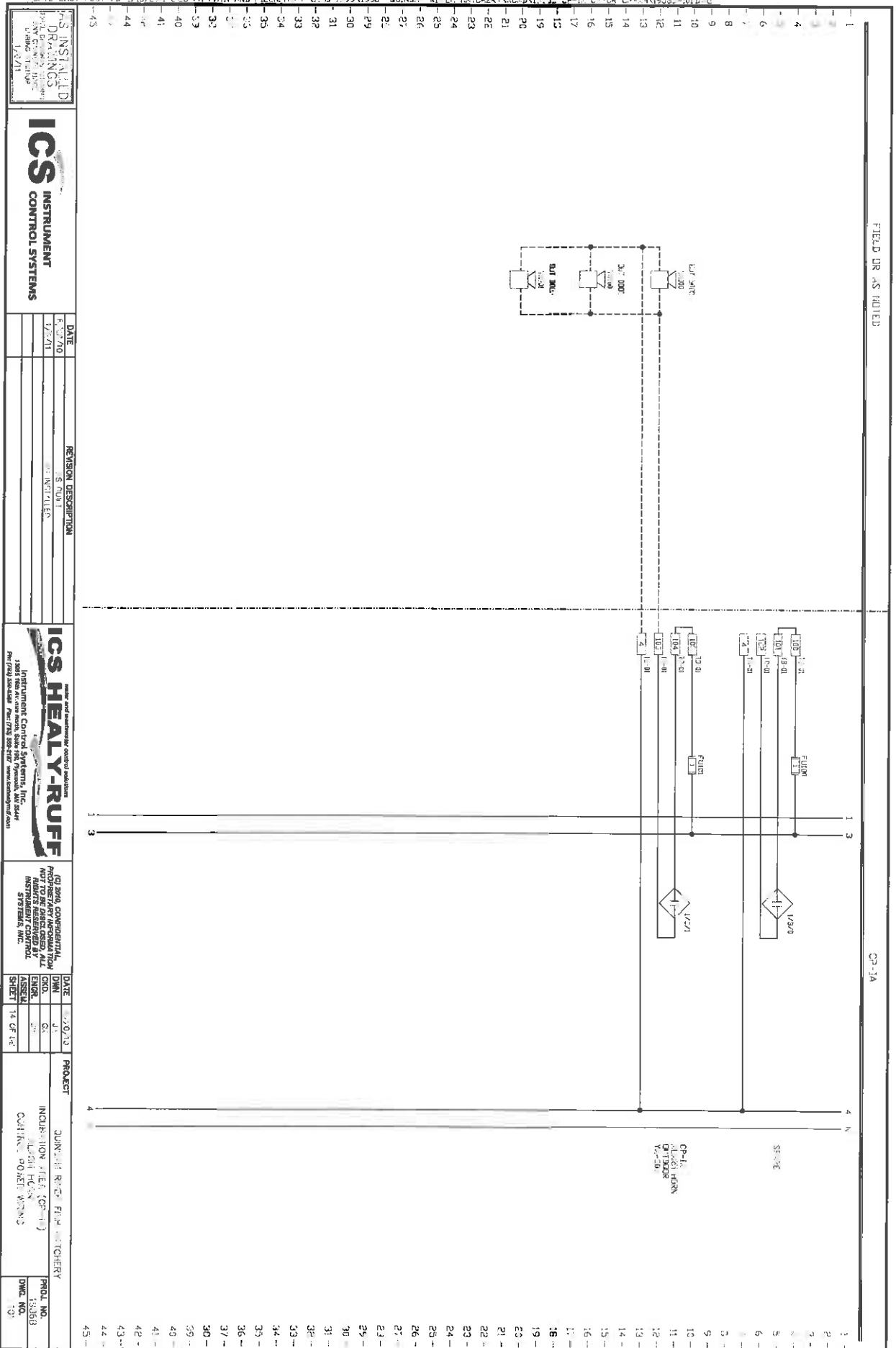
**Instrument Control Systems, Inc.**  
13805 116th Avenue North, Suite 100, Plymouth, MN 55441  
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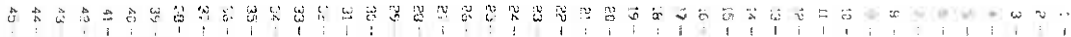
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CKD.	MS
ENGR.	SH
ASSEM.	
SHEET	10 OF 11

PROJECT: QUINCY TOWER FISH HATCHERY  
 IN OPERATION SINCE (08-12)  
 24 HOUR-DC-NETWORK  
 CONTROL PANEL WIRING

PROJ. NO.	10000
DWG. NO.	



CP-1,



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PROJECT	QUINCY POWER PLANT MODERNIZATION
INDUCTION MOTOR (CP-1)	
PANEL RACKING	
CONTROL POWER WIRING	

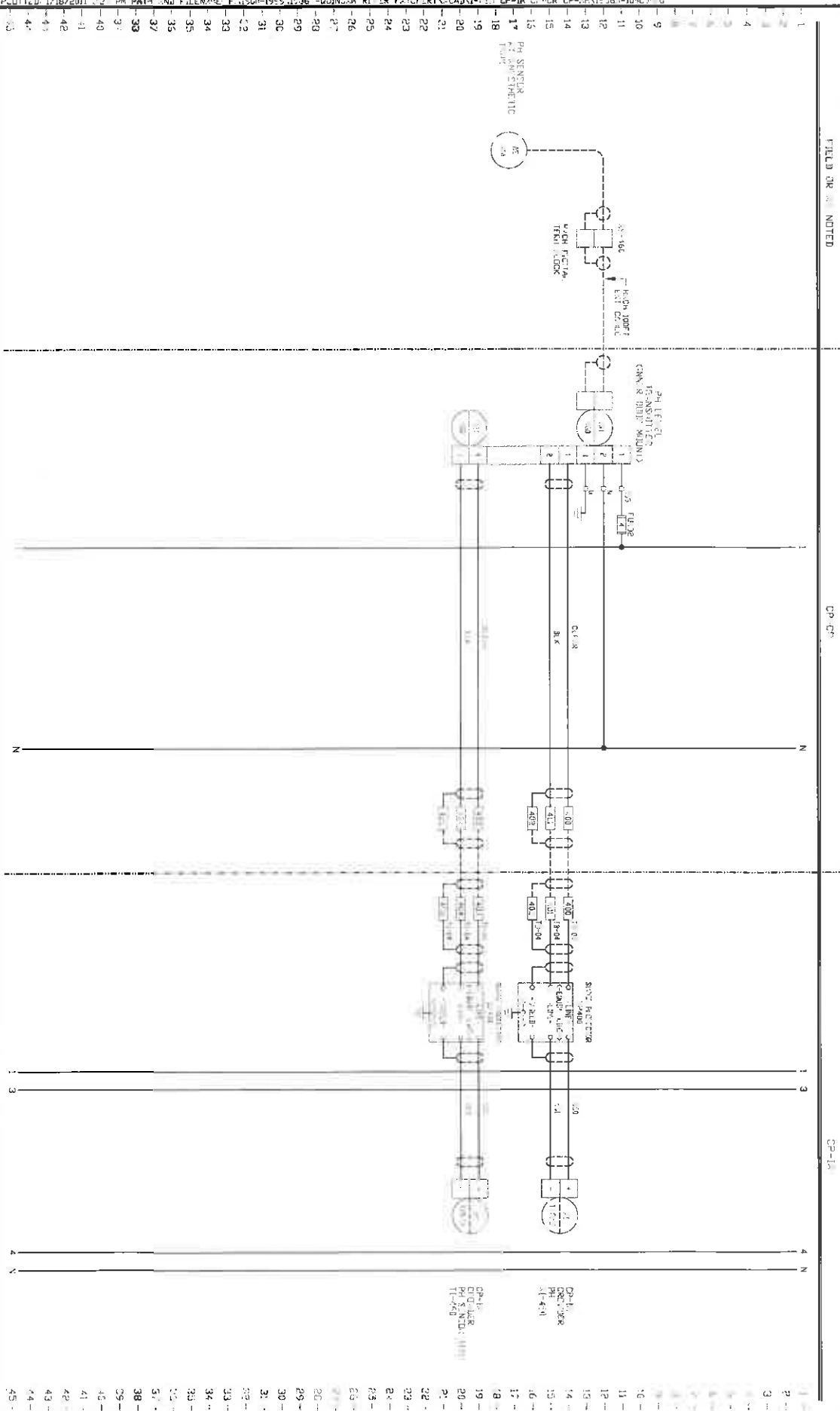
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DWG. NO.	402











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1505-1959-CP-1-CP-DR  
3/1/2011  
1/2/11

# ICS INSTRUMENT CONTROL SYSTEMS

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1/2/11	5000

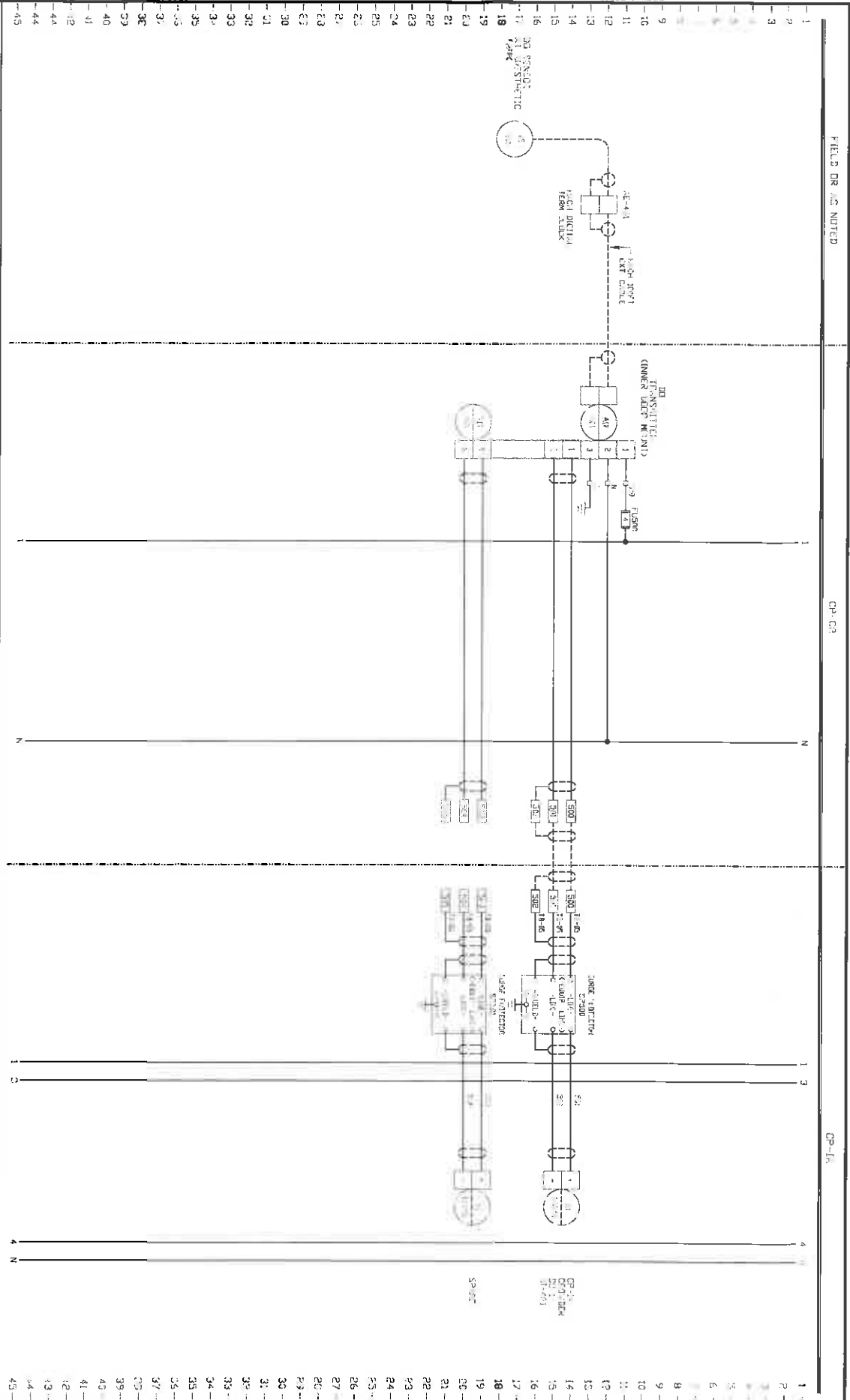
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1505 5th Avenue South, Suite 100, Norcross, GA 30092  
800 (770) 255-0000 Fax: (770) 255-0111 www.icsinstrument.com

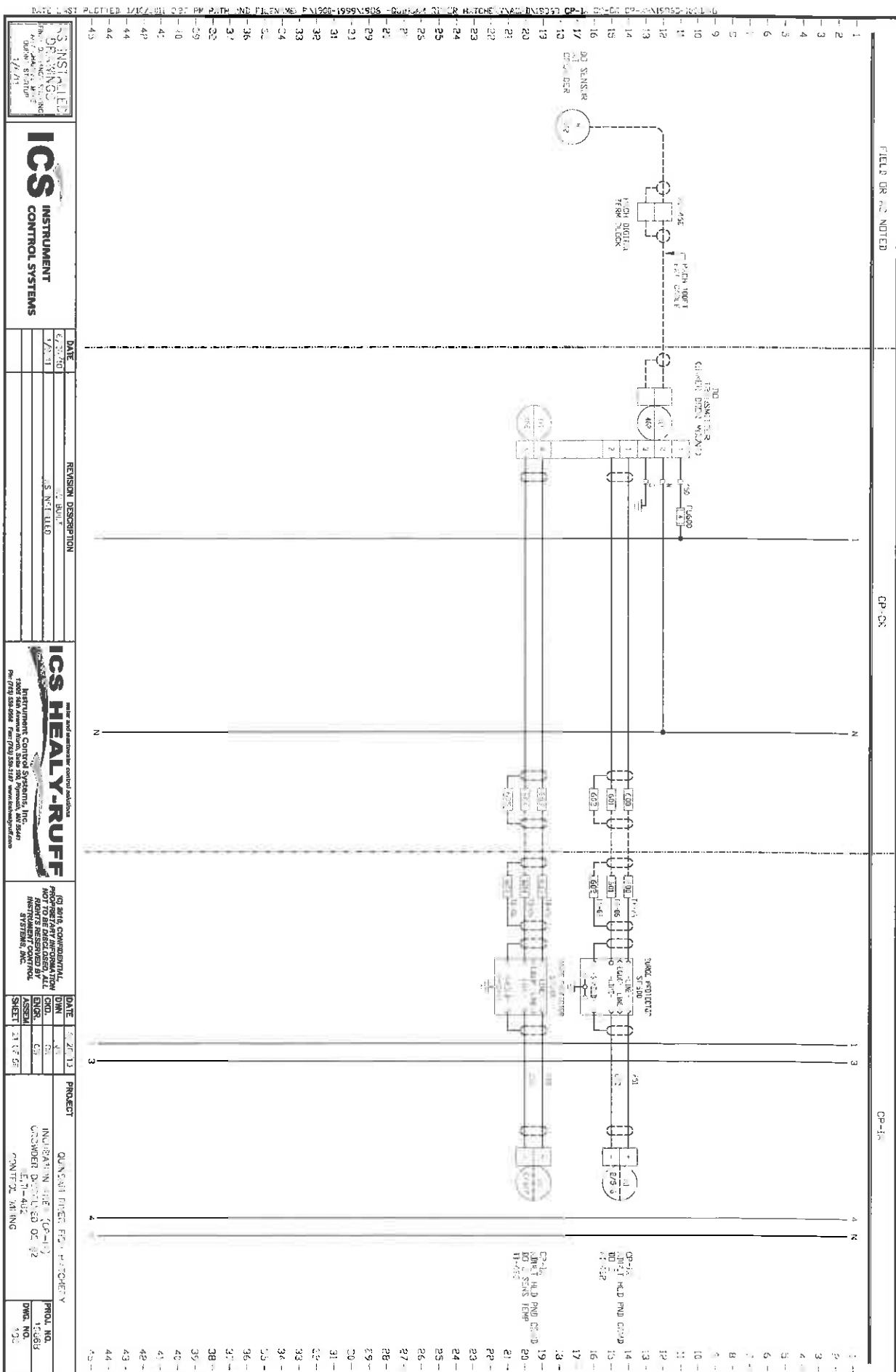
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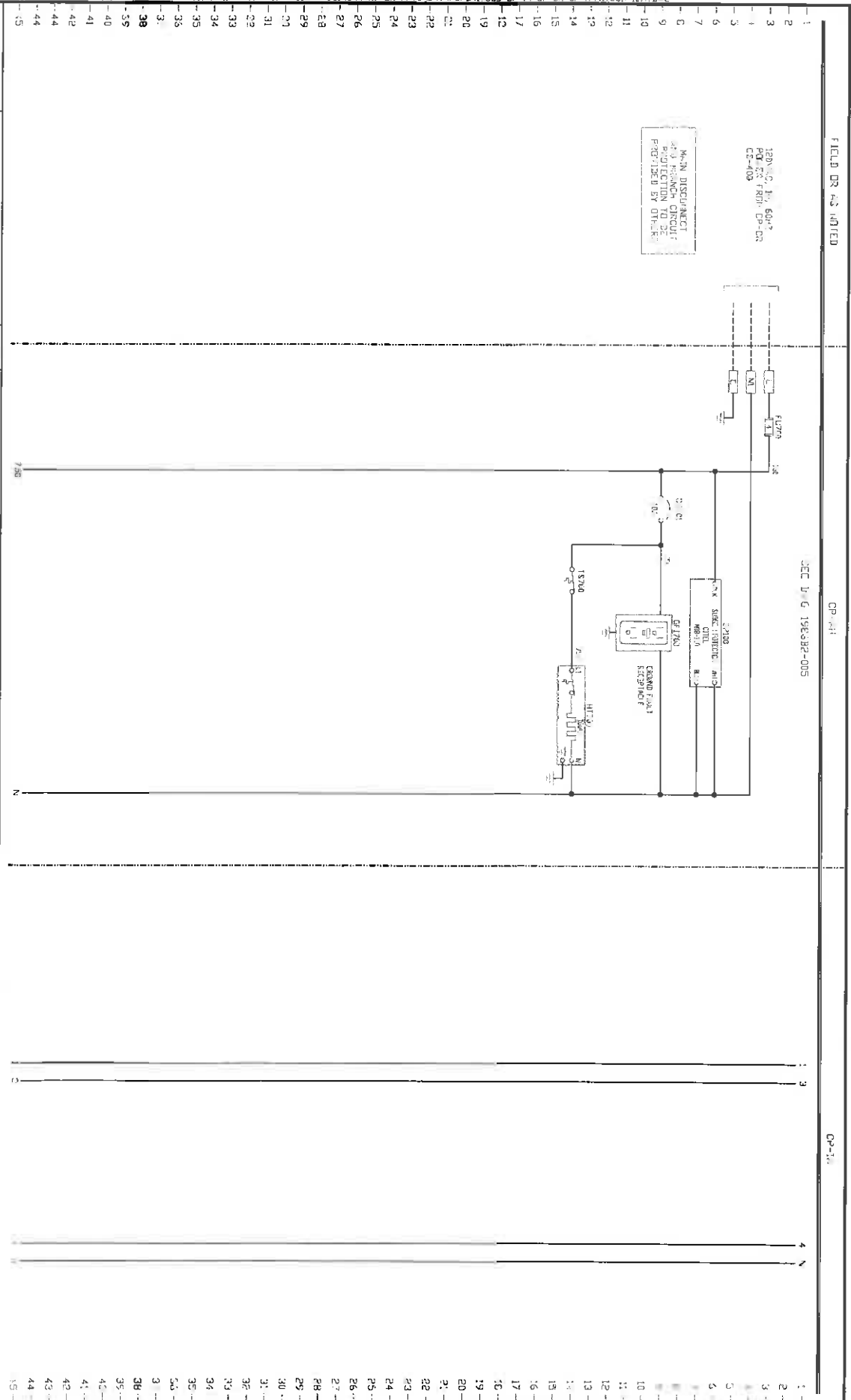
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CONCRETE DESIGN 02 31	CONCRETE DESIGN 02 31	CONCRETE DESIGN 02 31

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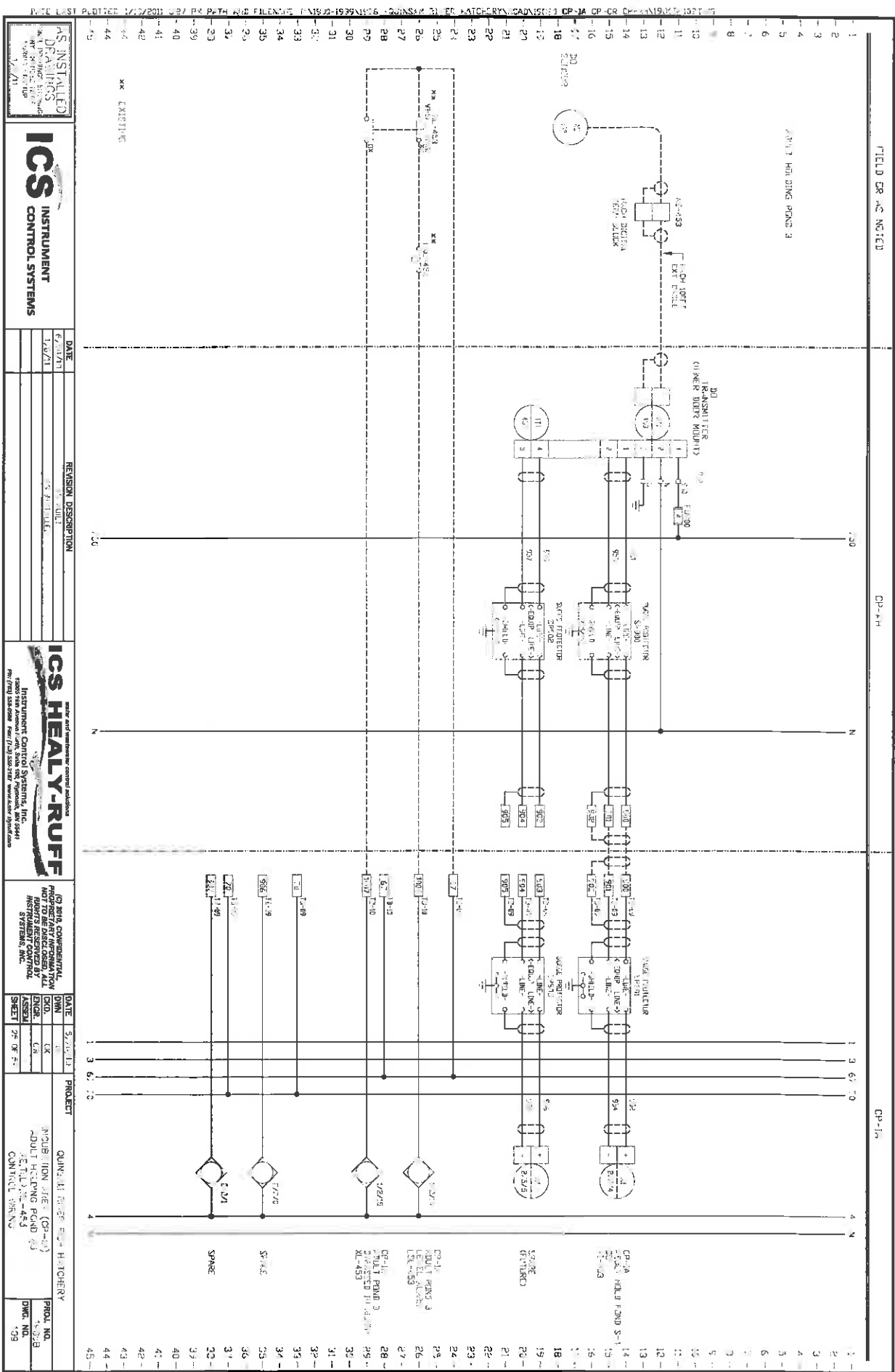


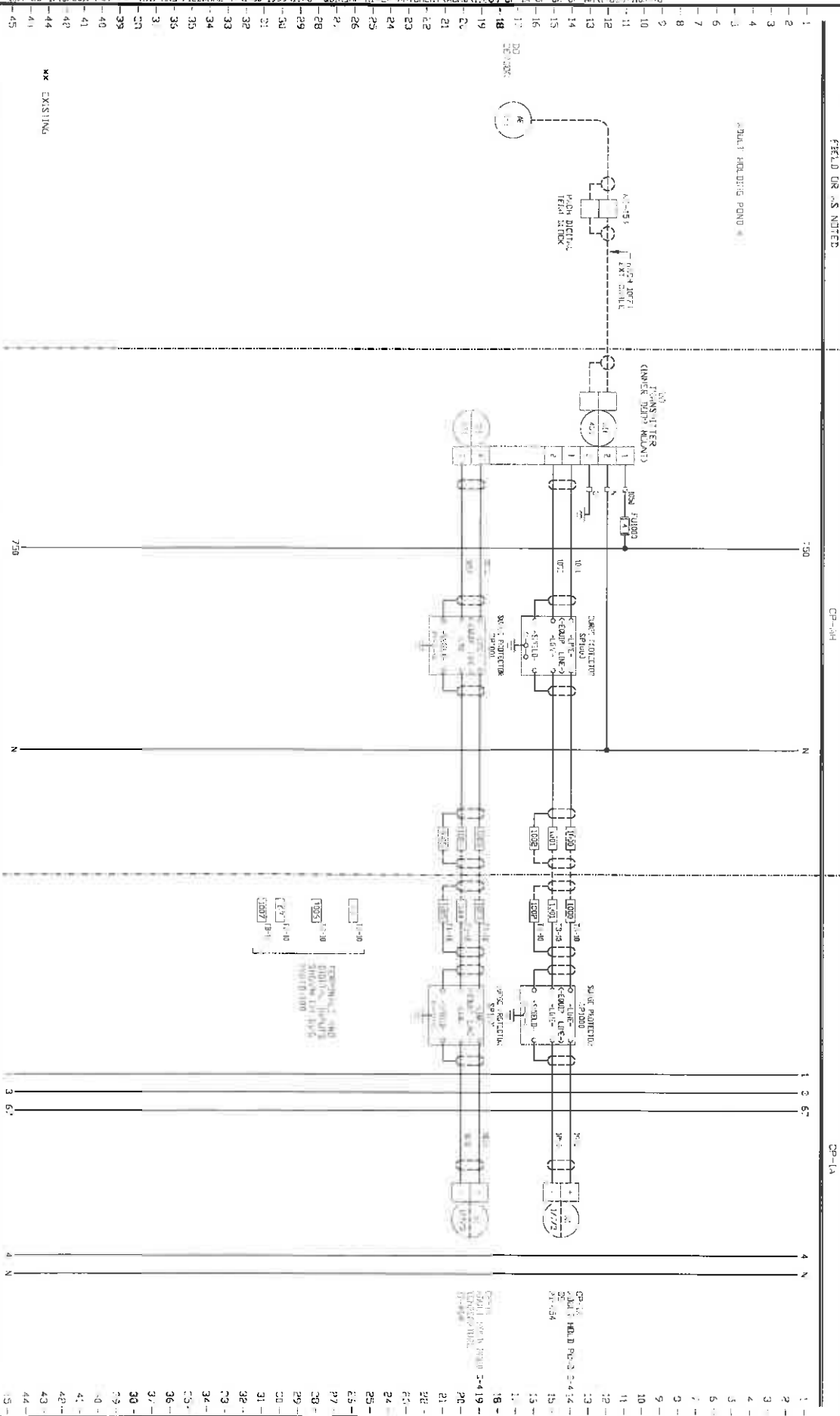










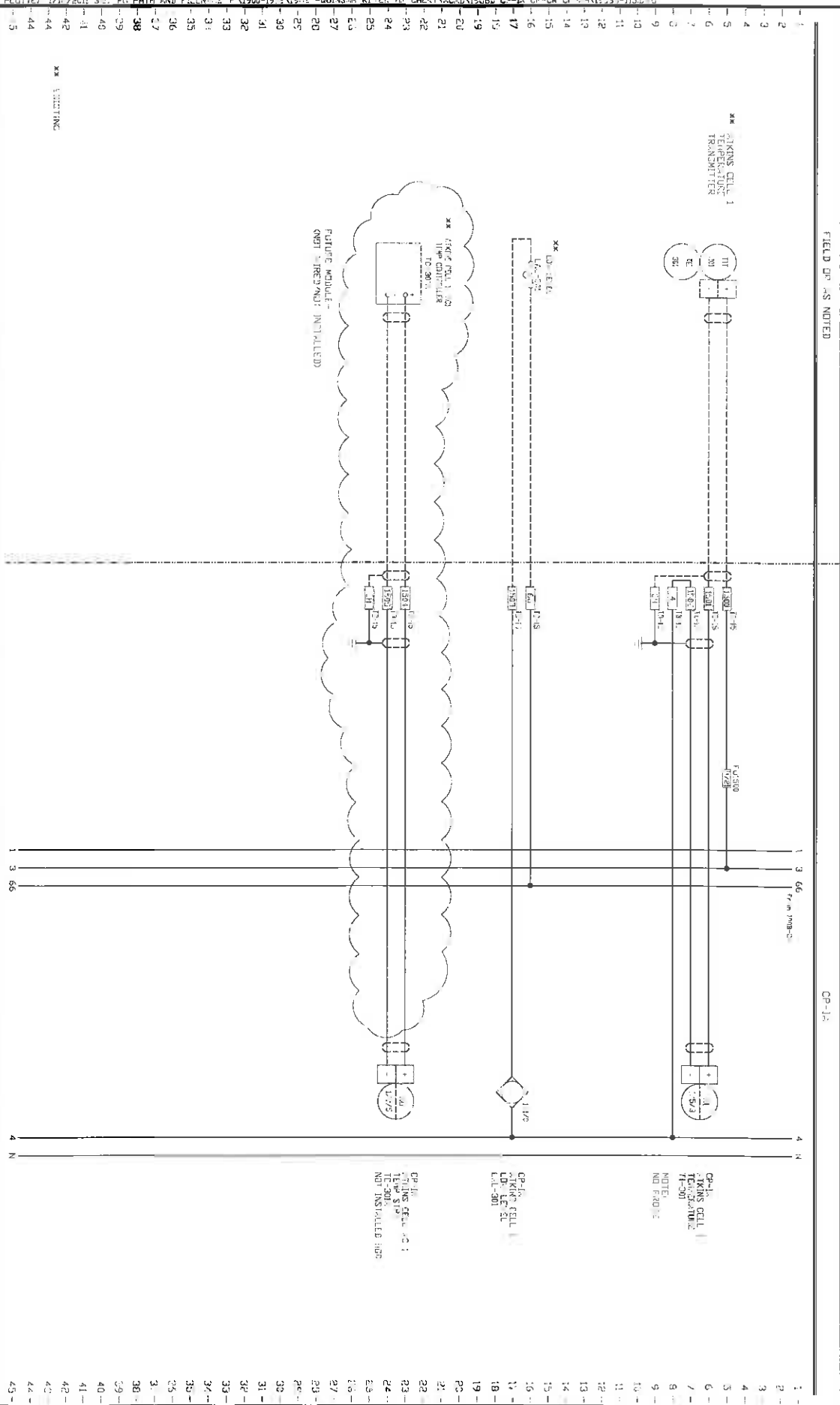








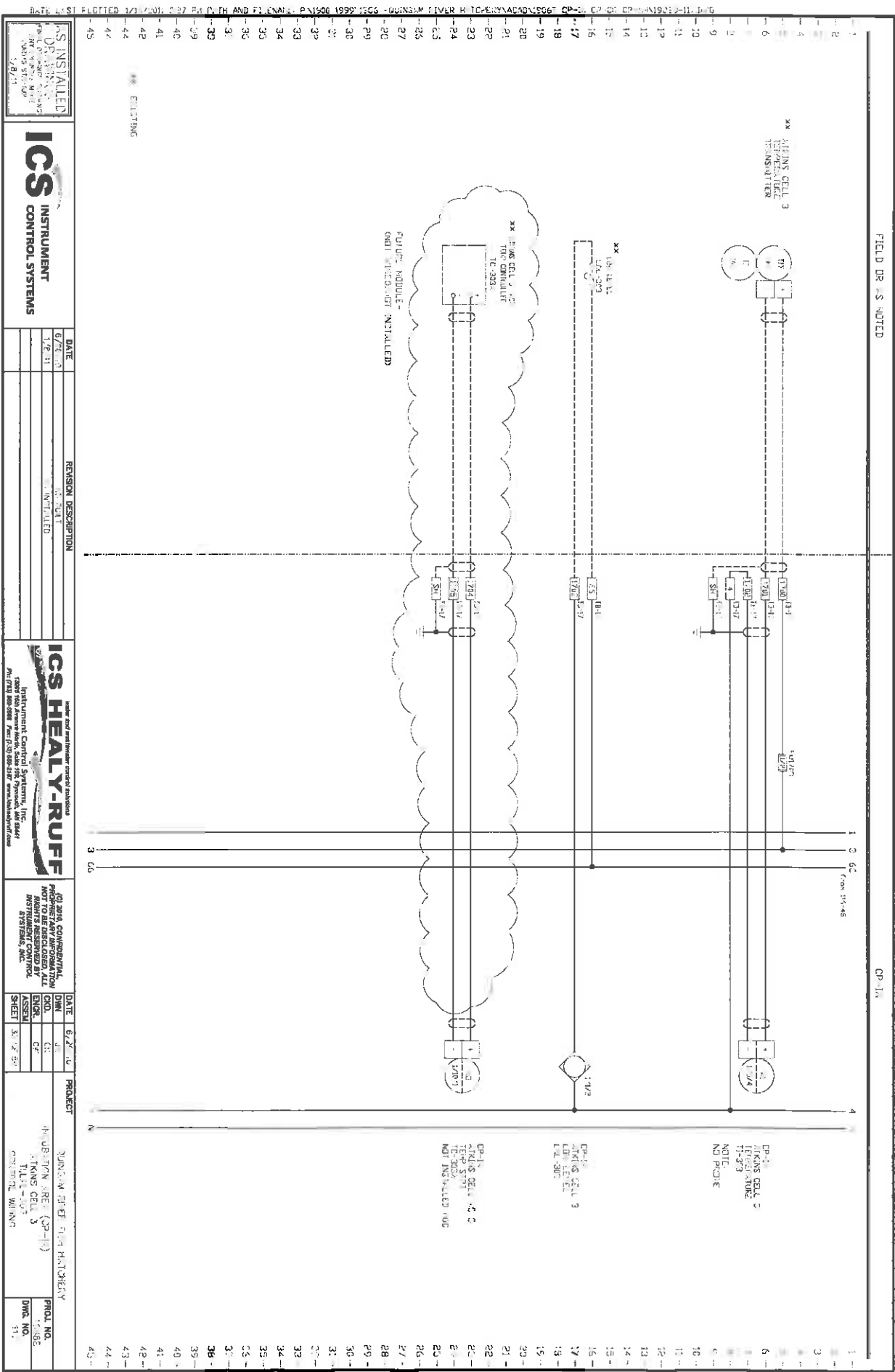


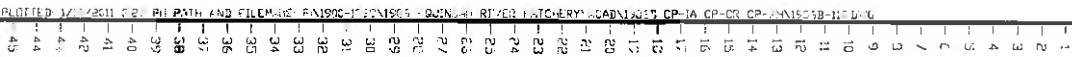




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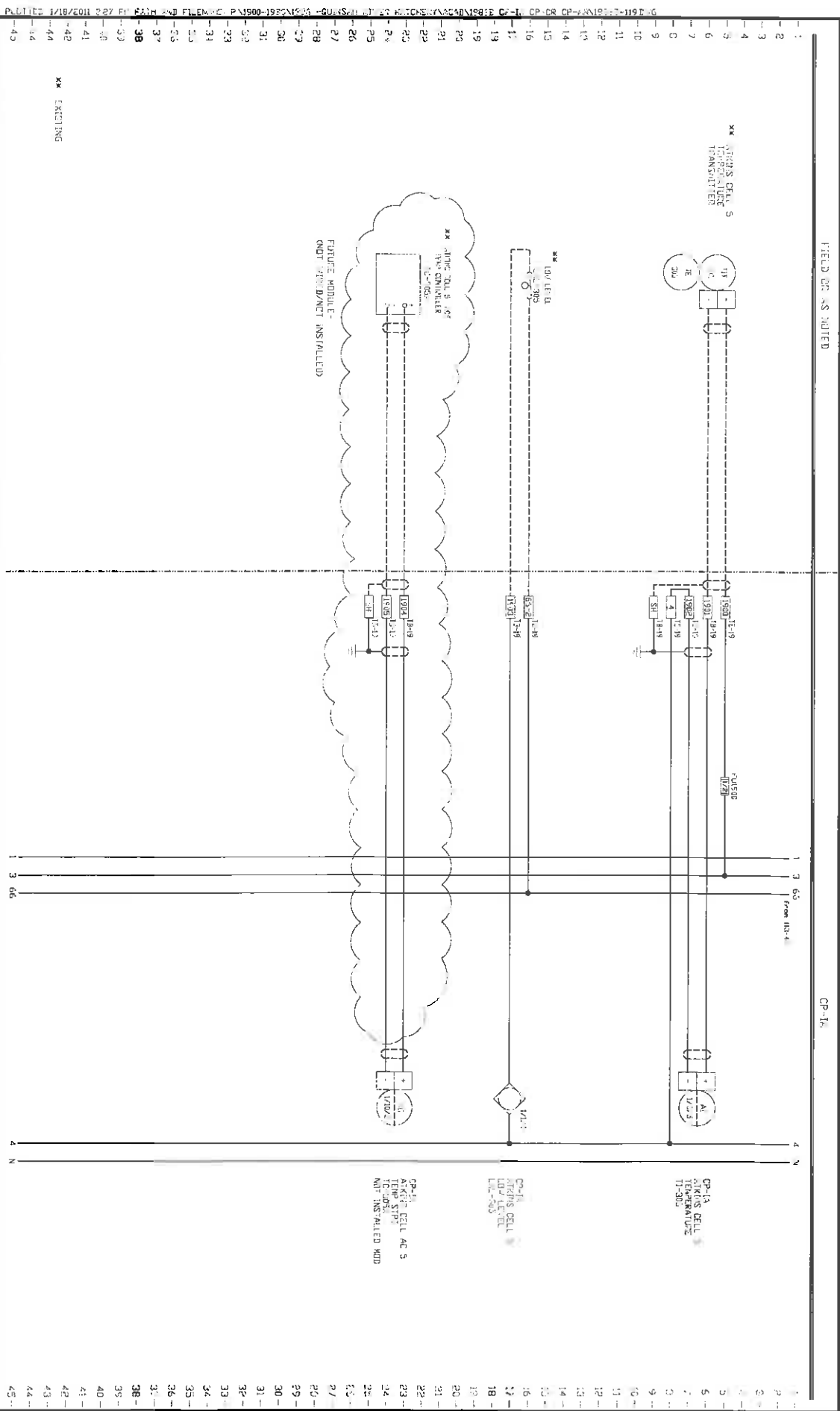




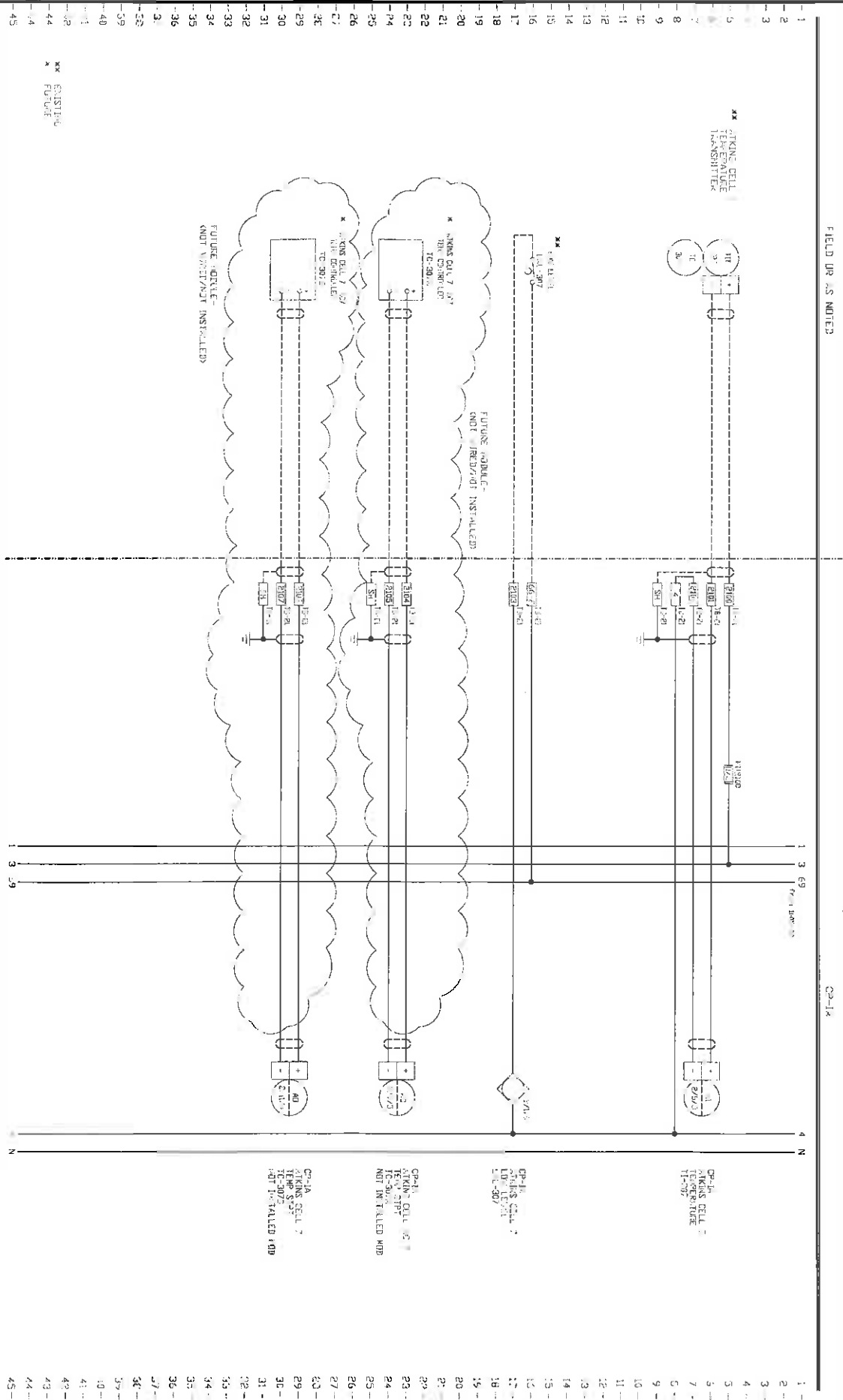
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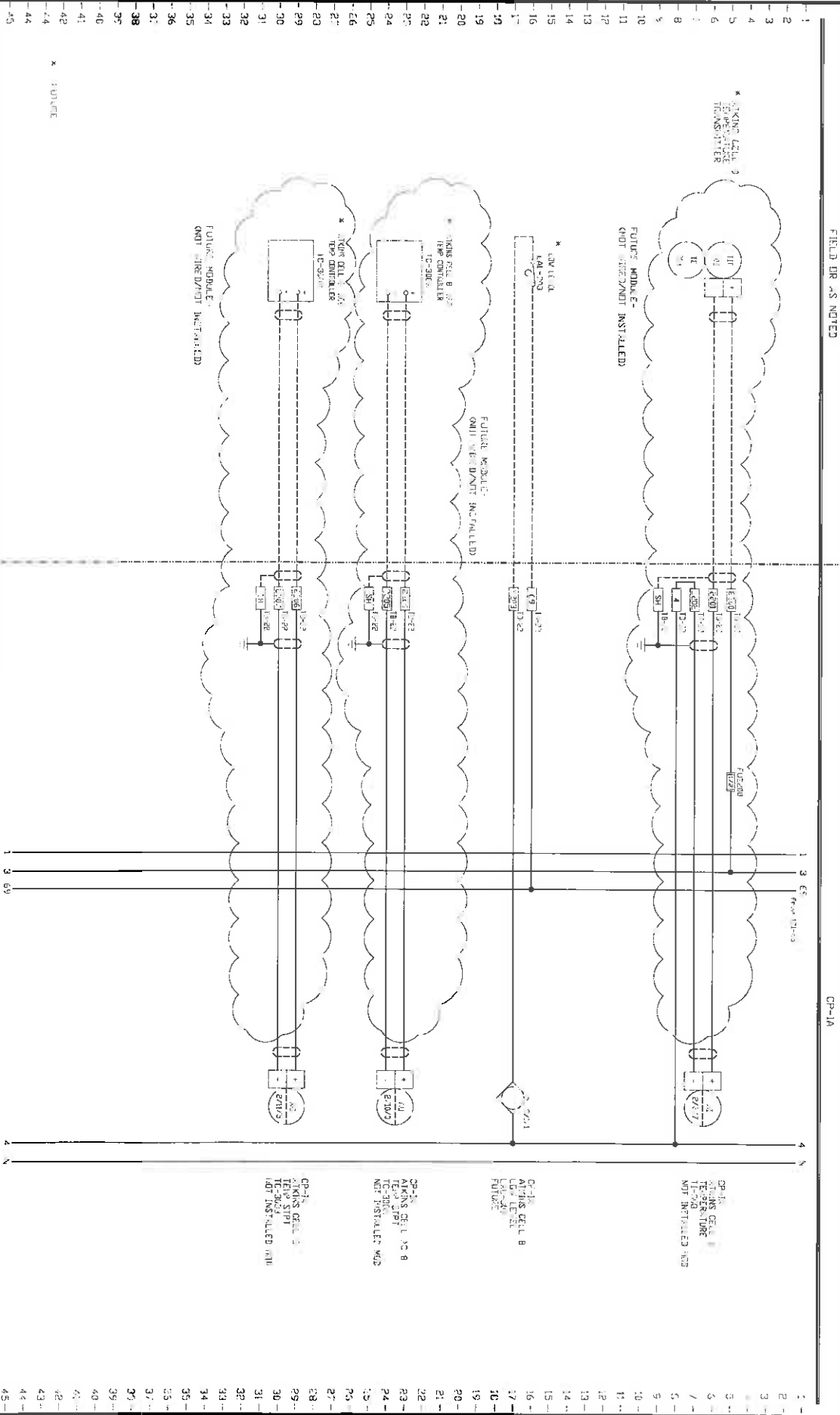
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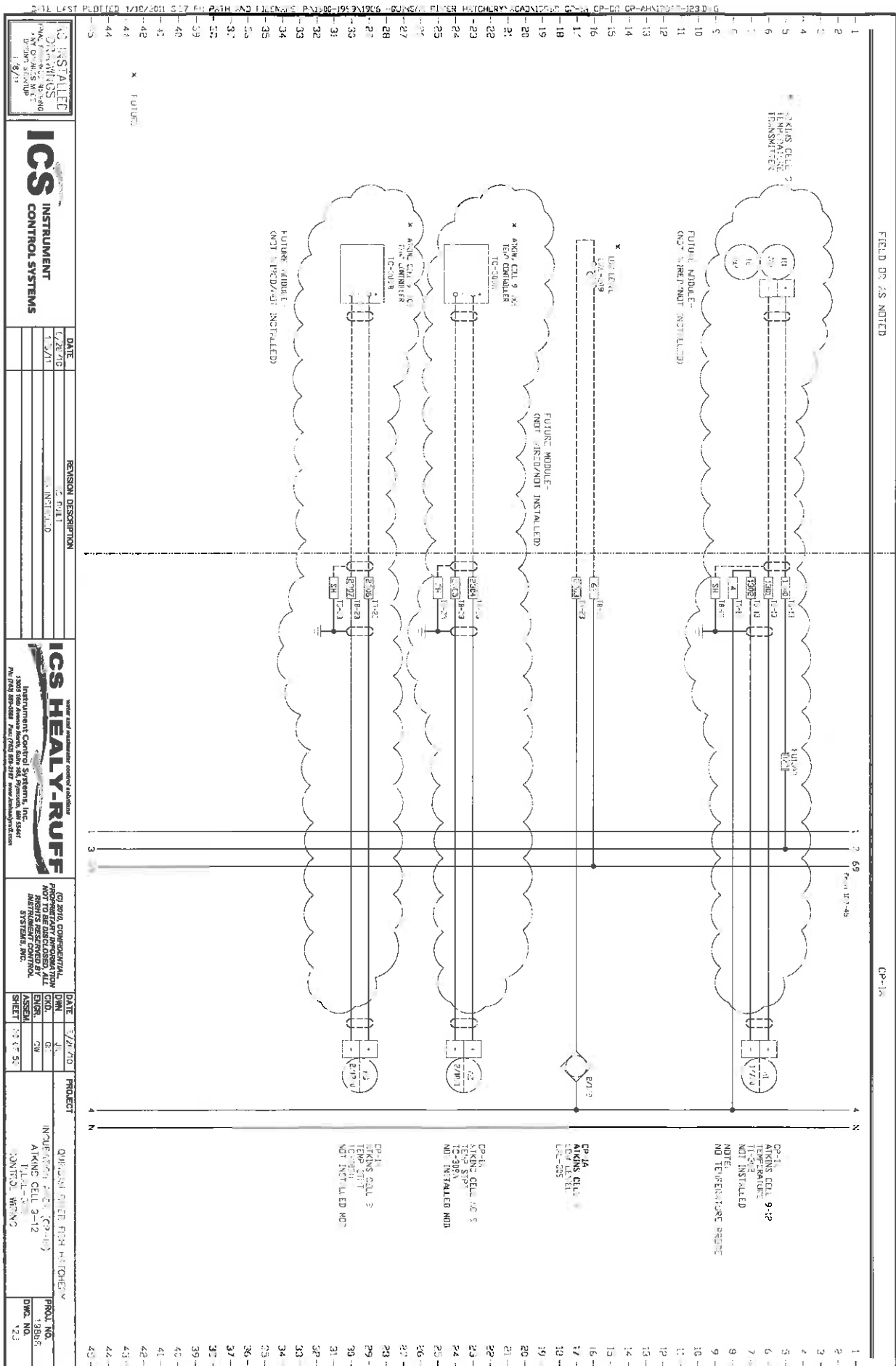
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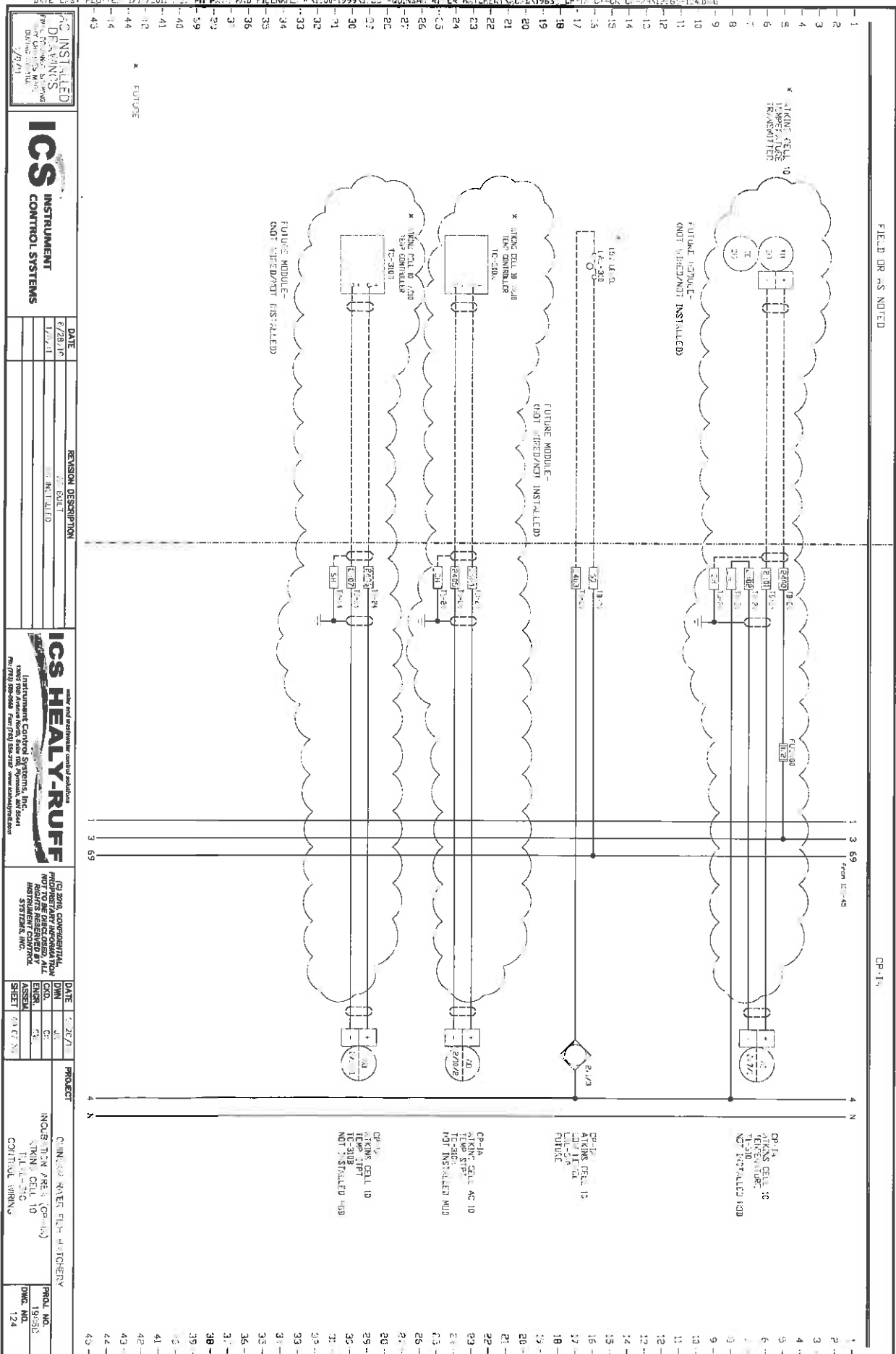




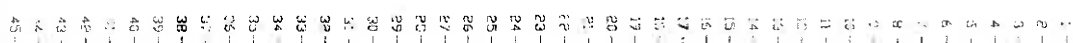




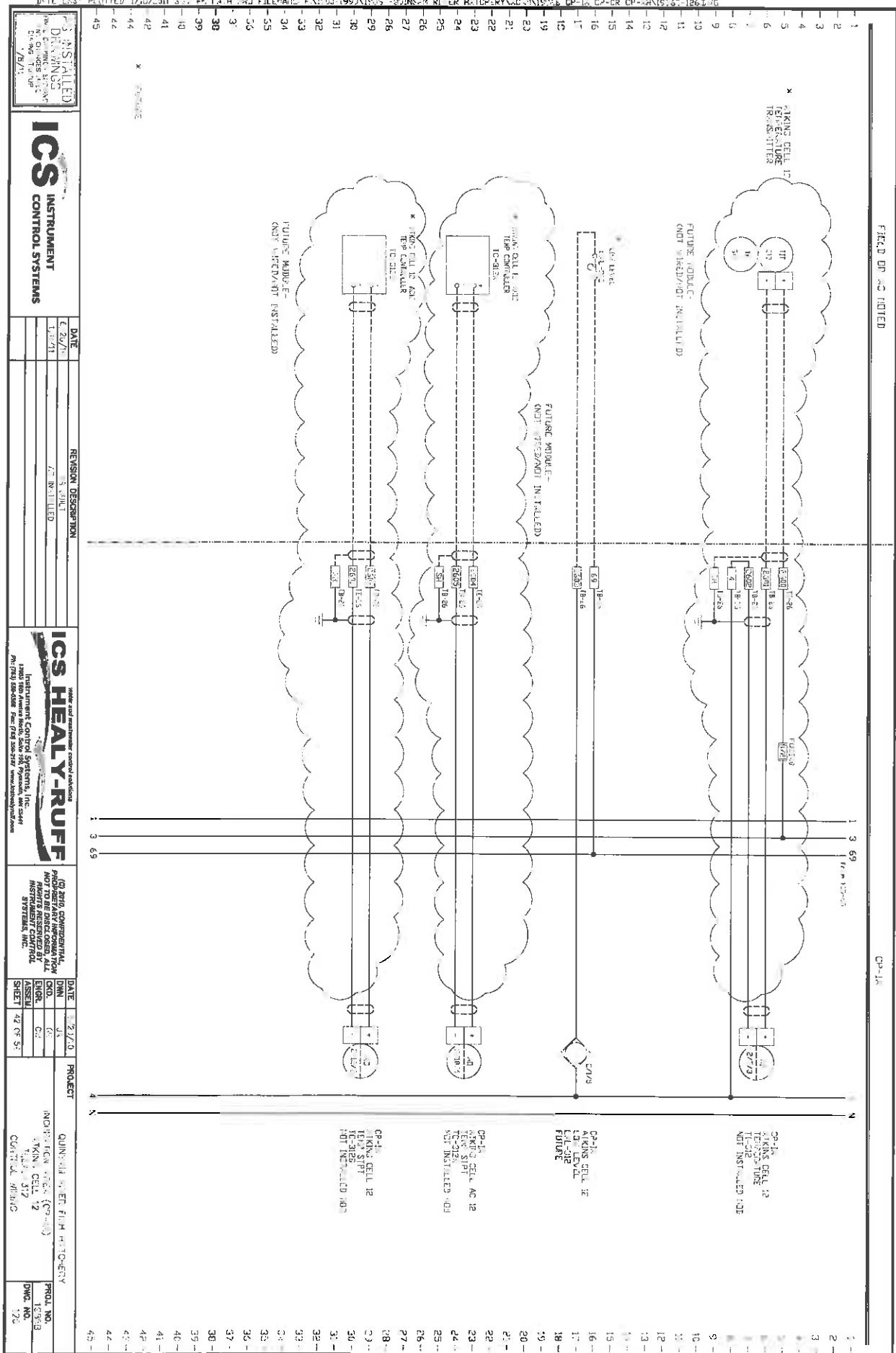


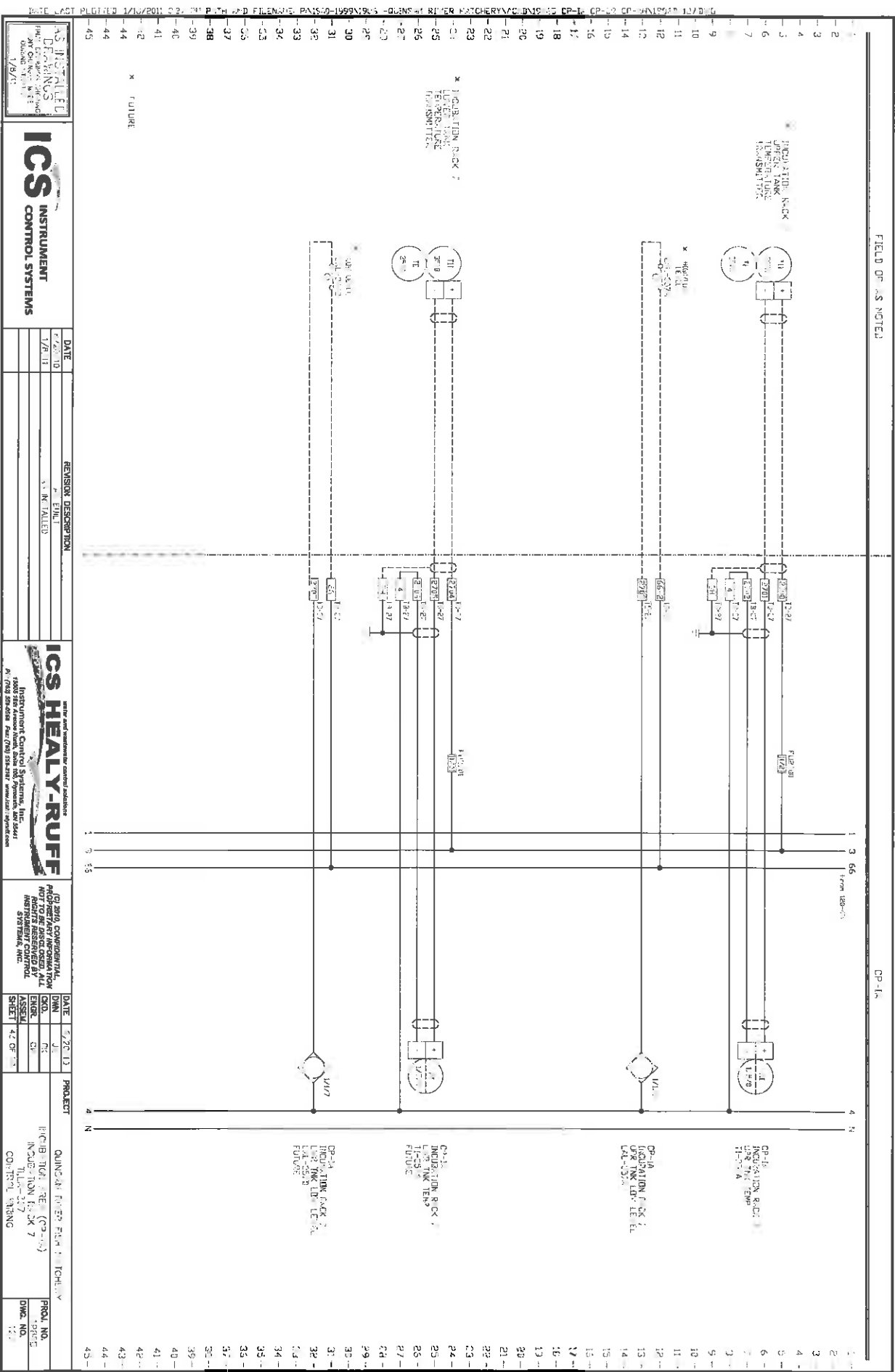






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**ICS**  
INSTRUMENT  
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	2. B. TALLD

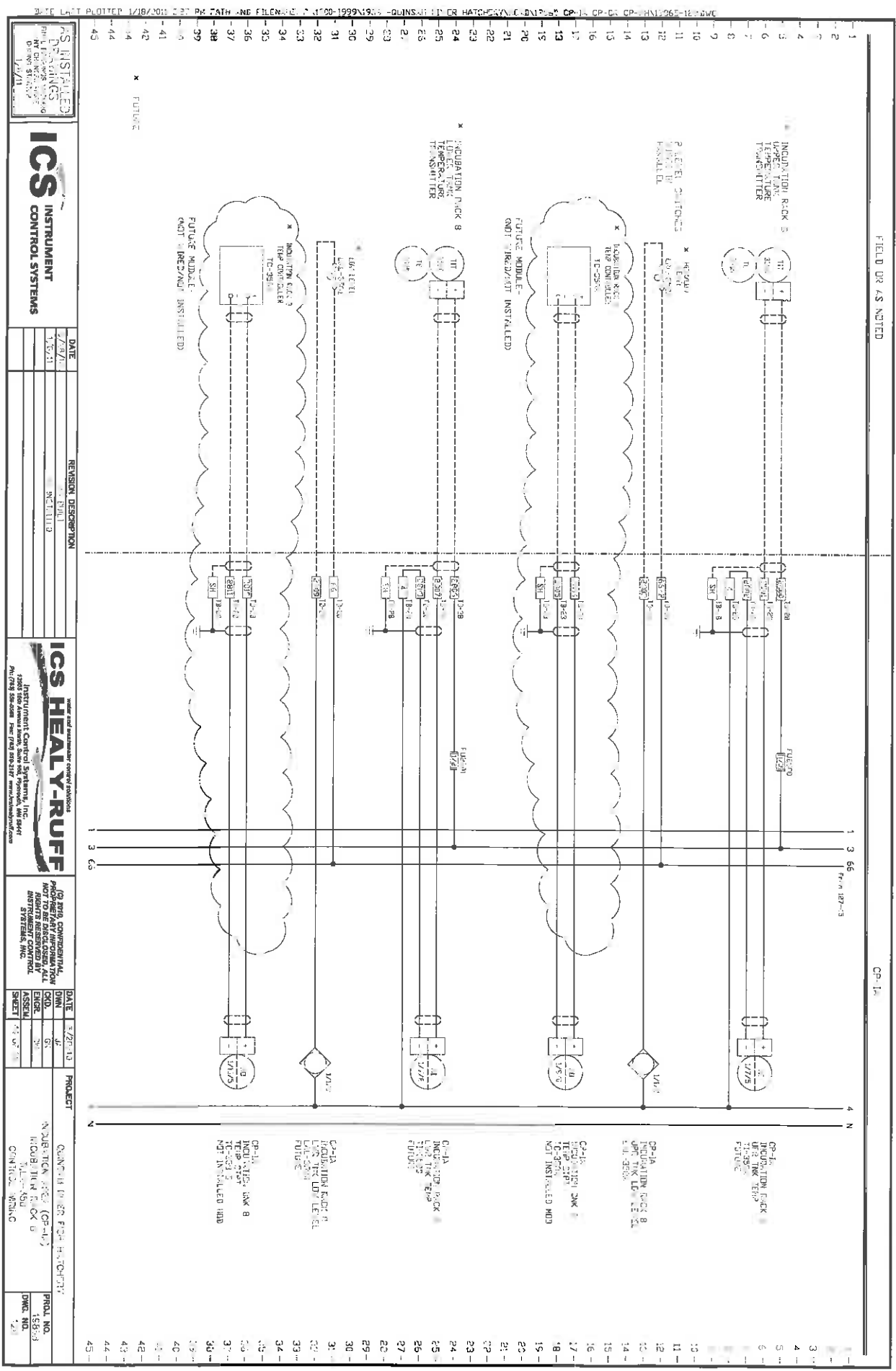
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DATE	BY	CHKD	APPD
1/8/11	U	U	U
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PROJECT: QUINCY POWER PLANT  
EQUIPMENT: CP-1A  
INSTRUMENT: CP-1A  
CONTROL: CP-1A

PROJ. NO.  
DWA. NO.  
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ICS INSTALLED  
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ICS INSTRUMENT  
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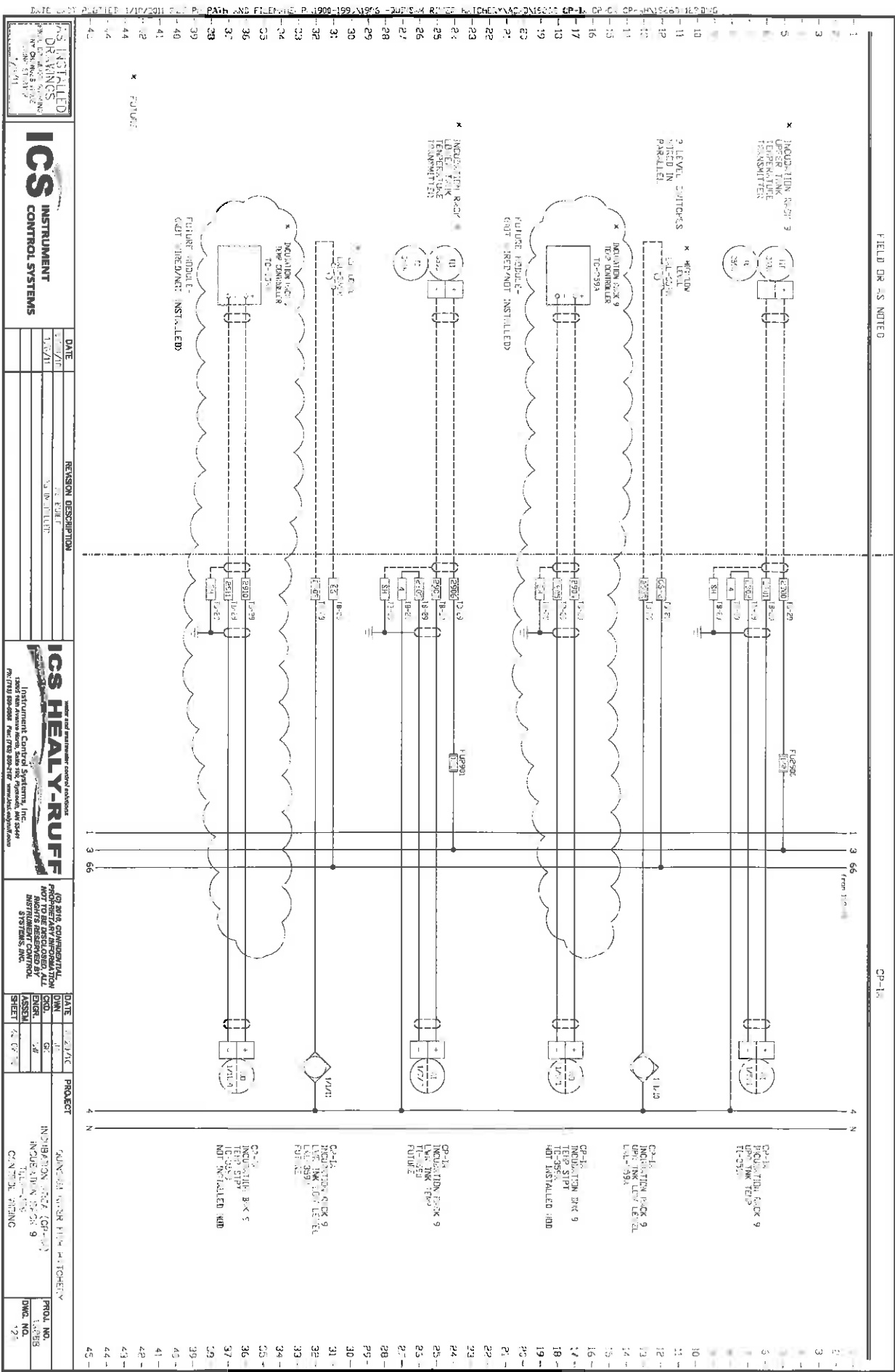
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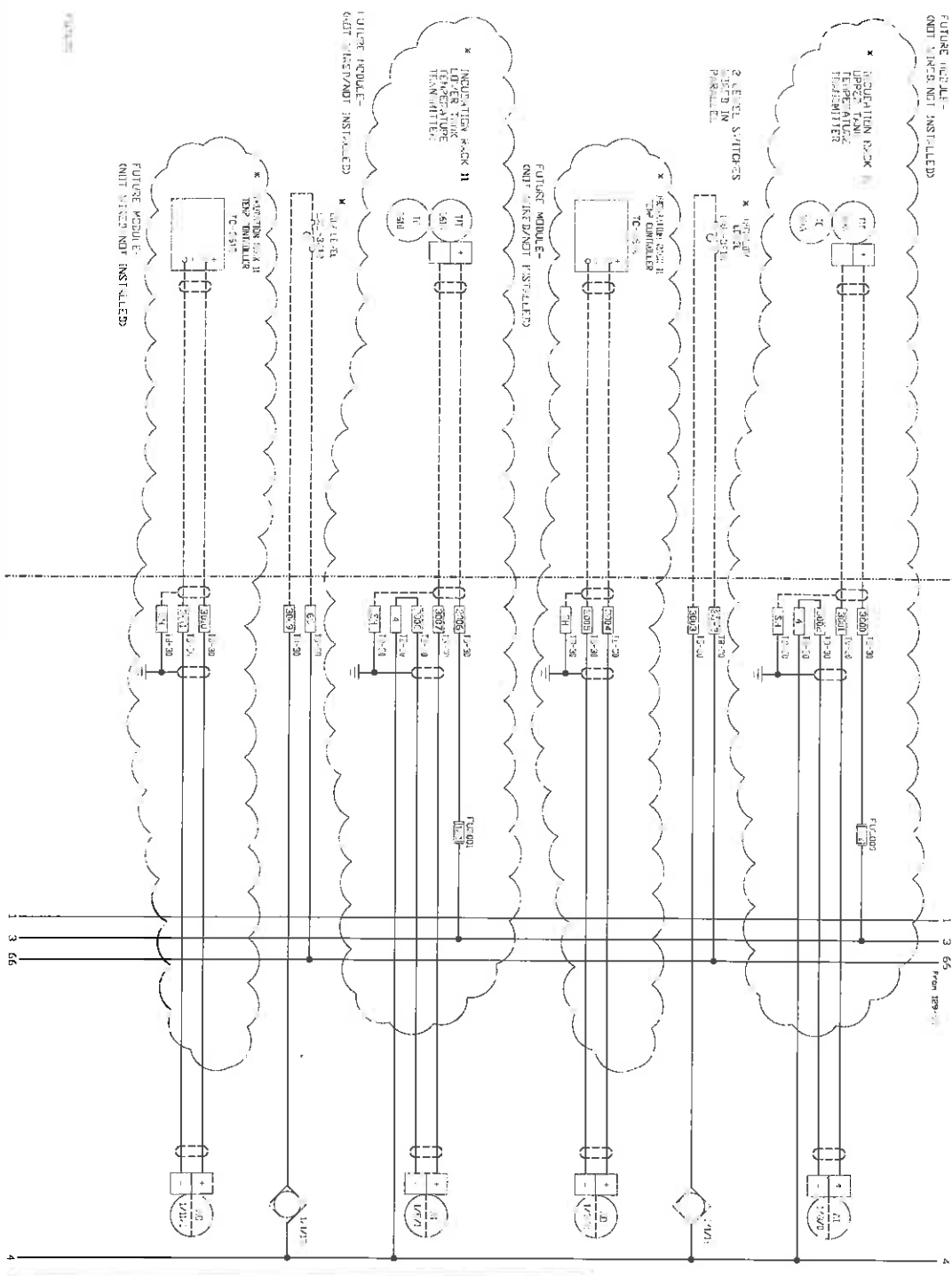
ICS HEALY-RUFF  
 13000 100 Avenue South, Suite 100, Houston, TX 77057  
 281.461.1111  
 www.icshealy-ruff.com

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DATE	BY	CHK	APP
3/2/11	JK	JK	JK
	ENGR	ENGR	ENGR
	ASSN	ASSN	ASSN
	SHEET	SHEET	SHEET

PROJECT	PROJ. NO.
QUANTIL FLOOR FROM HATCHERY	158-03
INCUBATION RACK (CP-1A)	158-03
INCUBATION RACK 3	158-03
INCUBATION RACK 8	158-03
INCUBATION RACK 10	158-03
INCUBATION RACK 11	158-03
INCUBATION RACK 12	158-03
INCUBATION RACK 13	158-03
INCUBATION RACK 14	158-03
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INCUBATION RACK 44	158-03
INCUBATION RACK 45	158-03





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DRAWINGS  
BY THE ARCHITECT  
ANY CHANGES  
DURING CONSTRUCTION  
1/1/71

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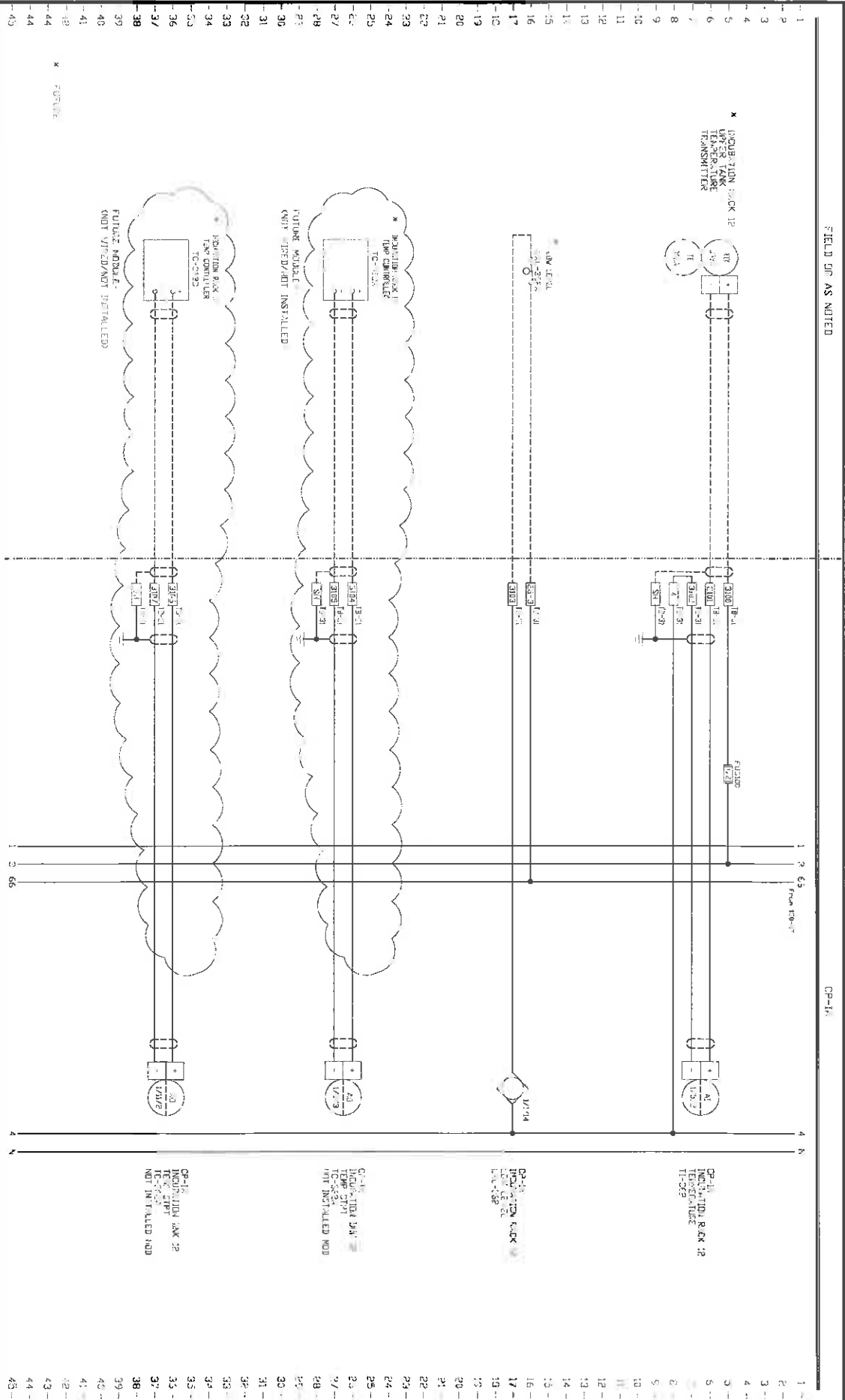
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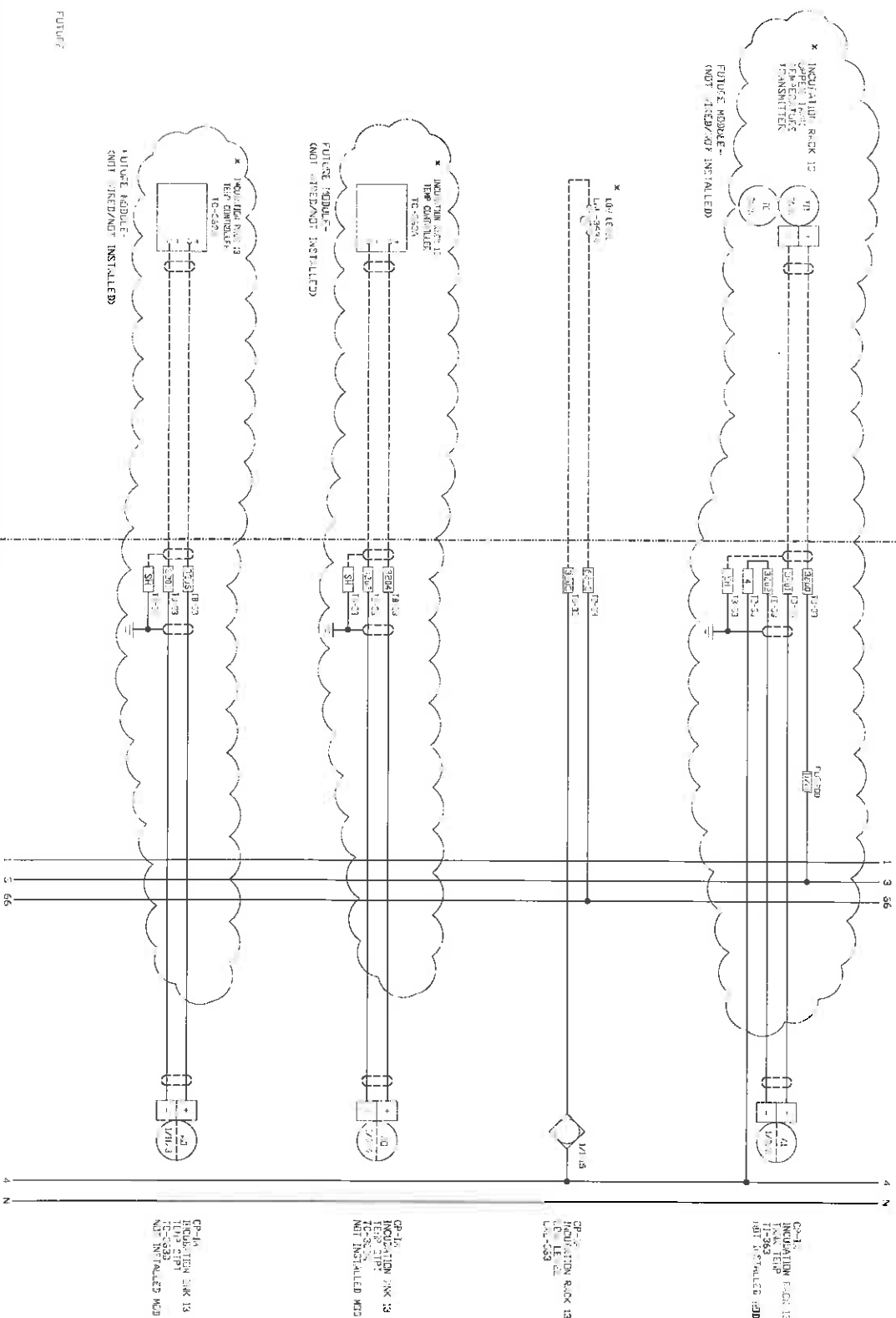
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ASSEM.	
SHEET	40 of 71

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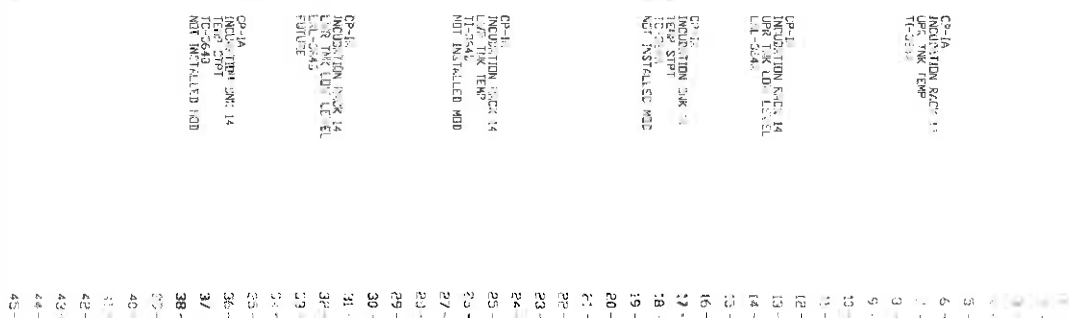


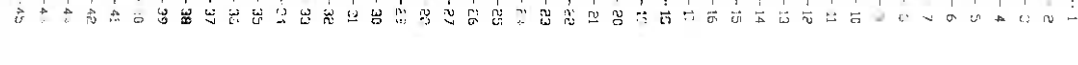
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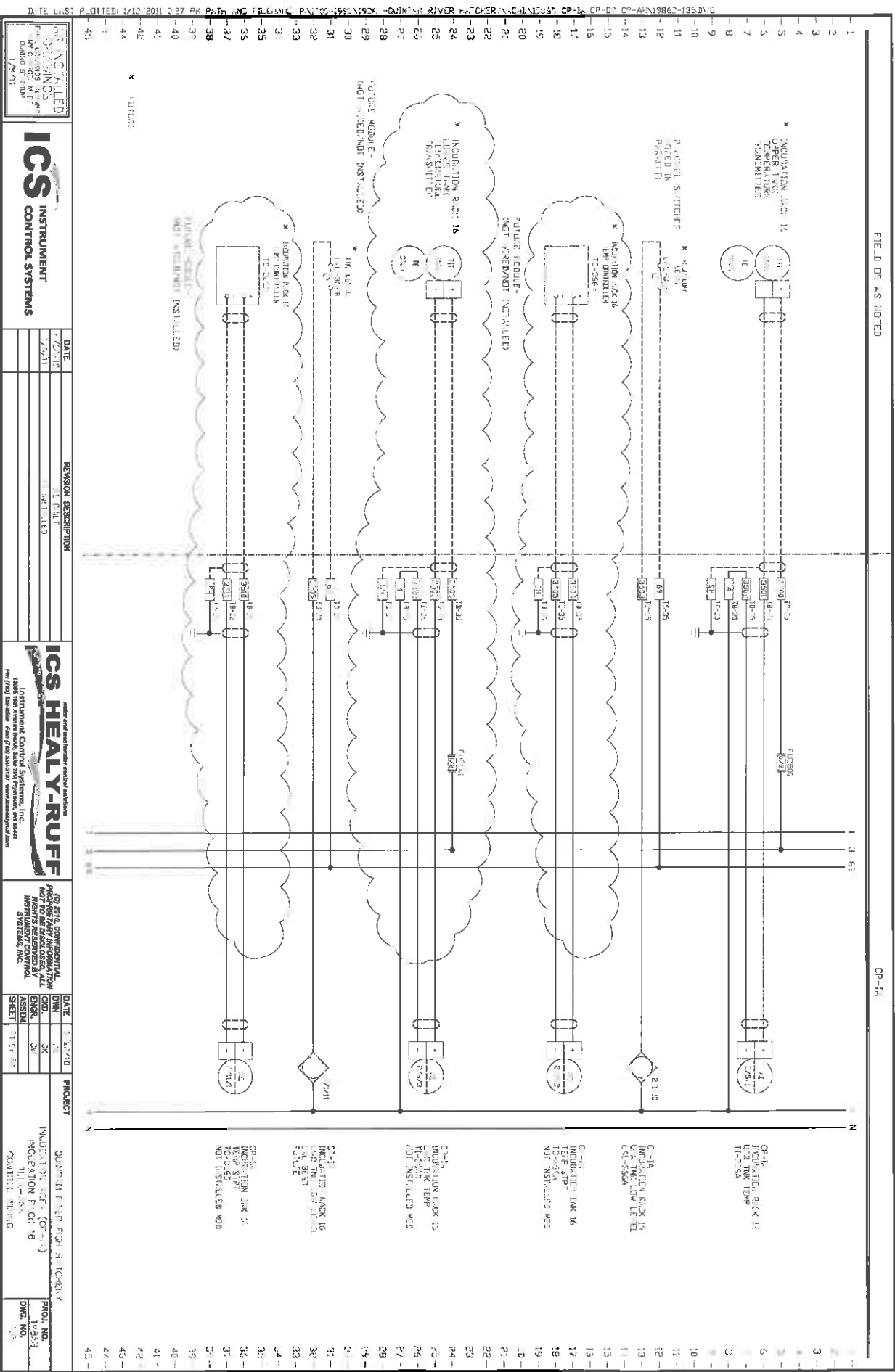






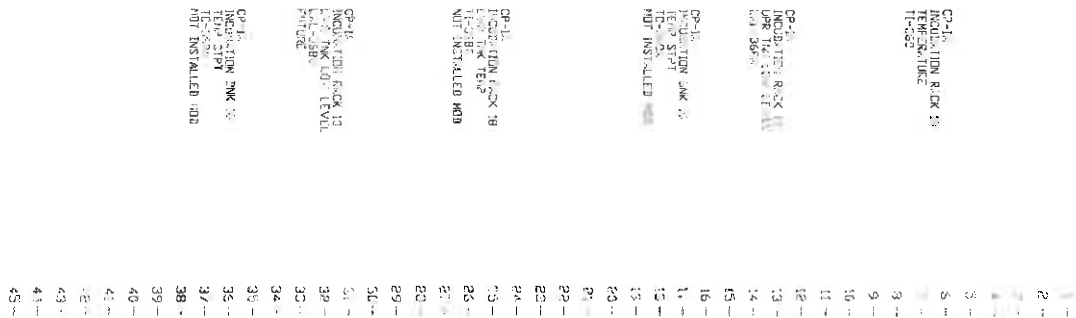


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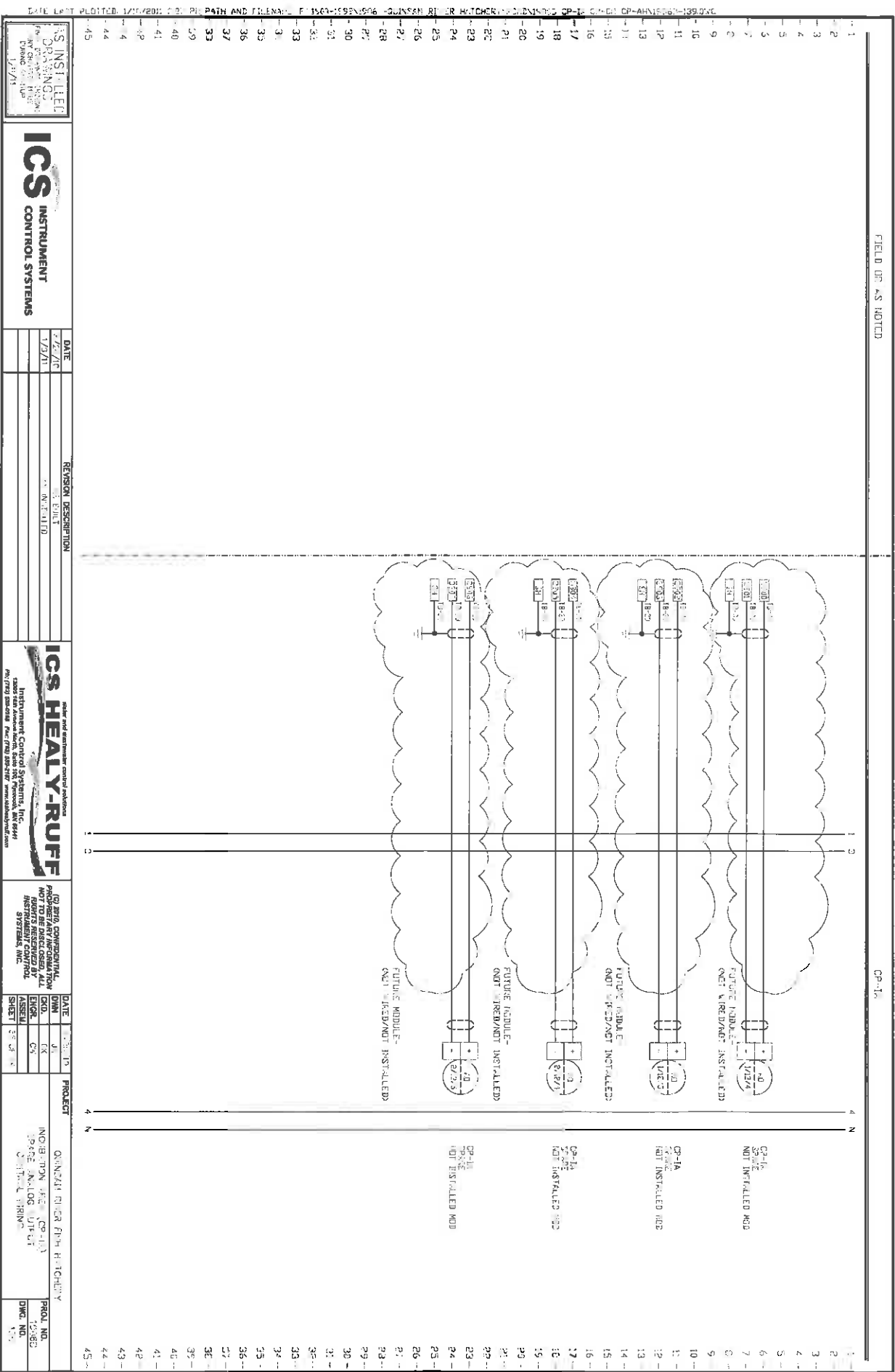


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INDUCTION RACK 14 TEMP. SENS. T-1 PRESS. SENS. P-1 INDUCTION RACK 15 TEMP. SENS. T-2 PRESS. SENS. P-2 INDUCTION RACK 16 TEMP. SENS. T-3 PRESS. SENS. P-3 INDUCTION RACK 17 TEMP. SENS. T-4 PRESS. SENS. P-4	INDUCTION RACK 14 TEMP. SENS. T-1 PRESS. SENS. P-1 INDUCTION RACK 15 TEMP. SENS. T-2 PRESS. SENS. P-2 INDUCTION RACK 16 TEMP. SENS. T-3 PRESS. SENS. P-3 INDUCTION RACK 17 TEMP. SENS. T-4 PRESS. SENS. P-4
DATE 1/2/71	REVISION DESCRIPTION
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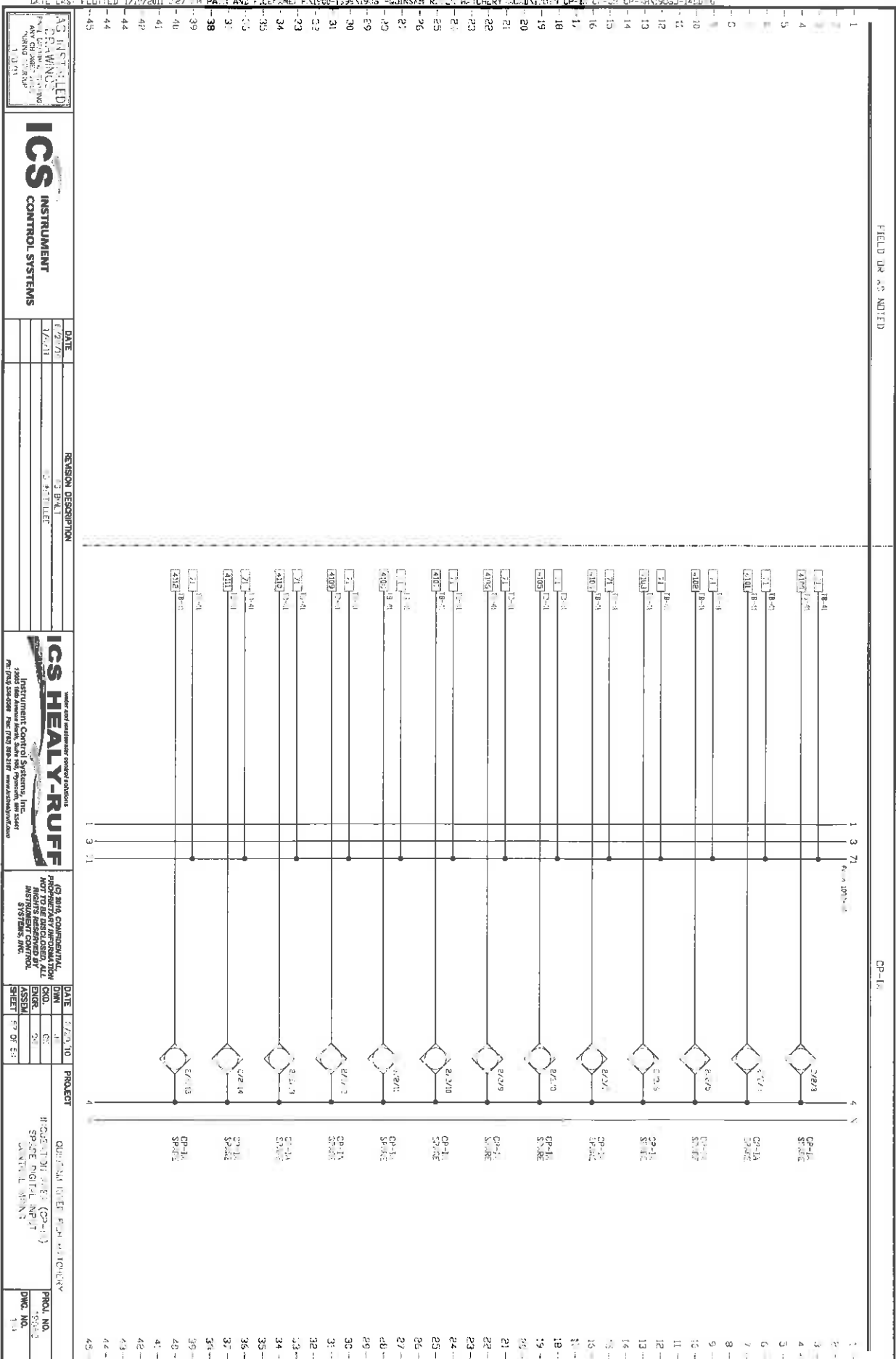


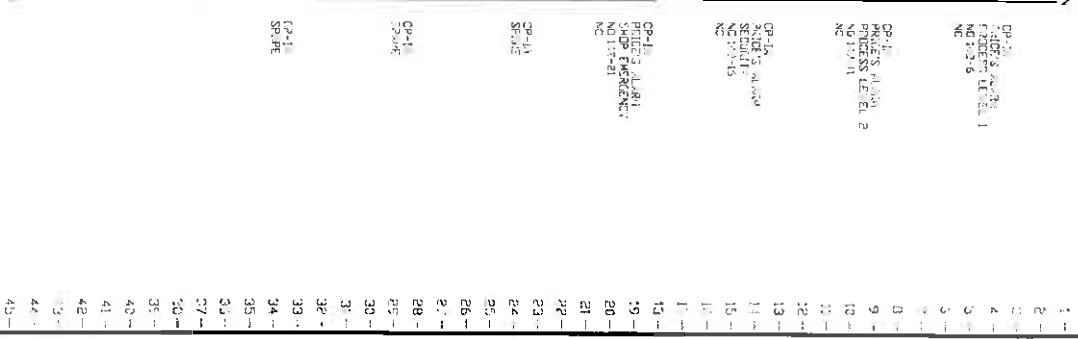












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 FOUNDRY  
 1/8/71

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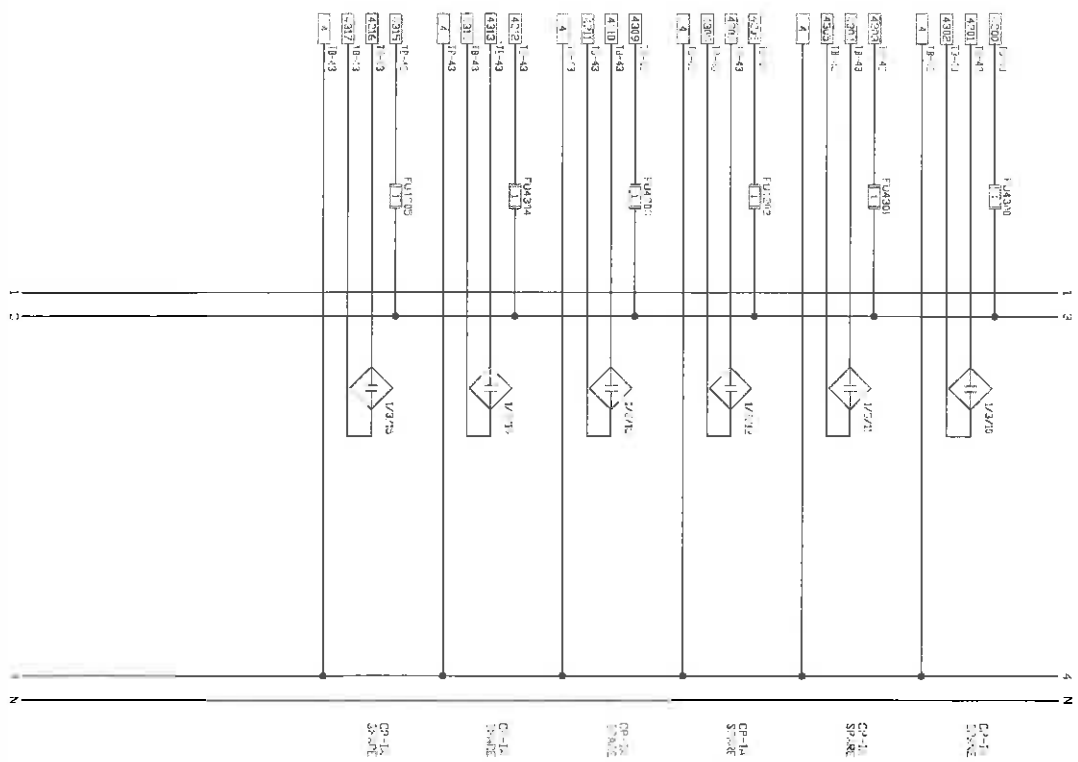
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ASSISTANT		CONTRACT DRAWING
SHEET		OF 67 (3)
PROJ. NO.		107-CHRY
DWG. NO.		142

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DATE	12/20/10
DWN	J
CKD.	OK
ENGR.	OK
ASSEM.	
SHEET	10 of 10

PROJECT	QUINCY POWER FISH HATCHERY	PROJ. NO.	1-000000
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	SQUARE DIESEL OUTPUT		
	CONTROL WIRING		



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[illegible]

## DRAWING INDEX

[illegible]



[illegible]

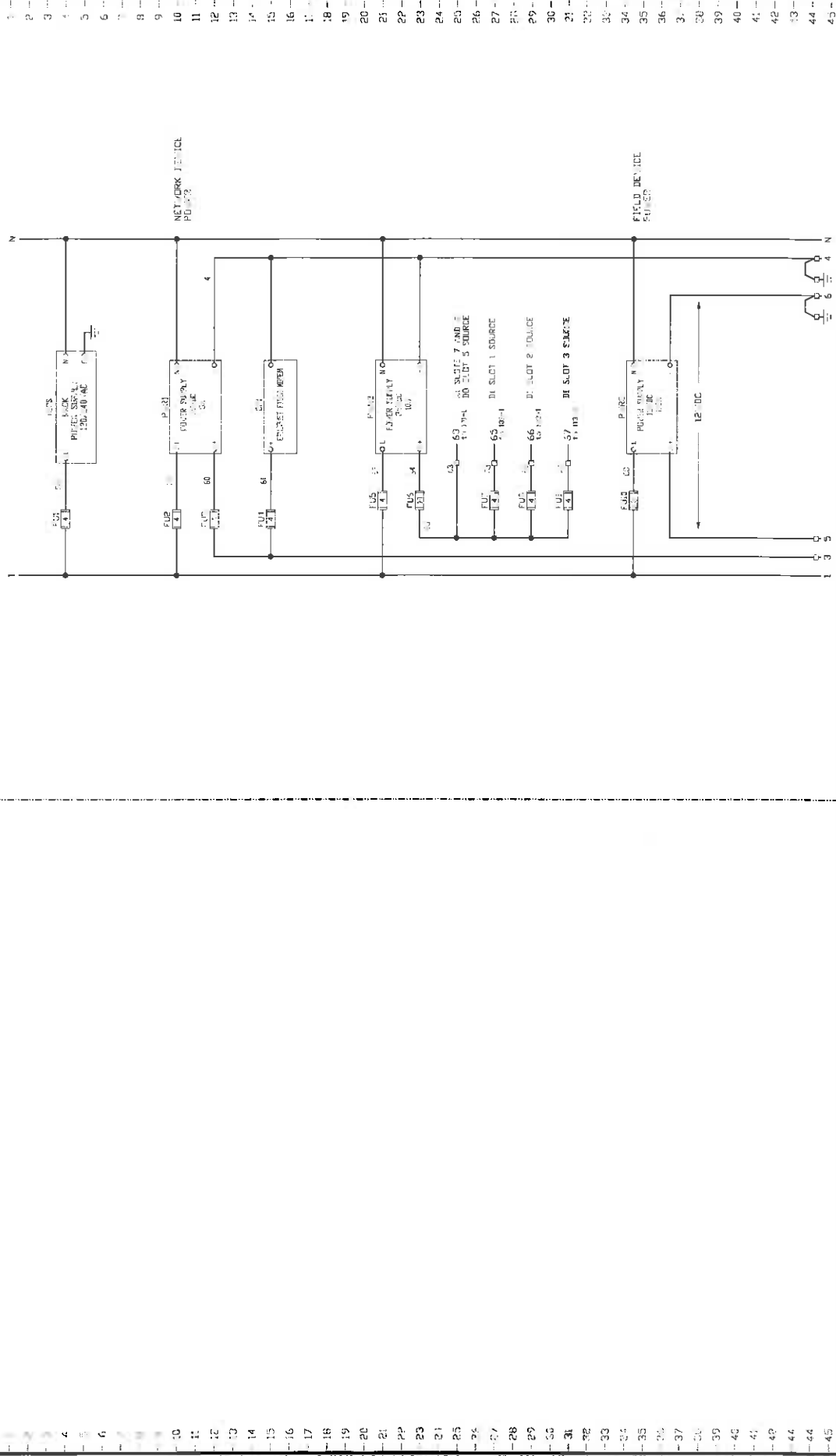






FIELD DR. AS NOTED

CONTINUED PANEL



DATE		REVISION DESCRIPTION		PROJECT	
8/22/11		1. 120V/240V		QUINCY RIVER FISH HATCHERY	
11/1/11		2. 120V/240V		PUMPABLE (OT-TH)	
				240V/120V NETWORK	
				CONTROL POWER WIRING	
				SHEET 5 OF 23	
				PROJ. NO. 11300	
				DWS. NO. 11300	

**ICS HEALY-RUFF**  
 Instrument Control Systems, Inc.  
 1800 15th Avenue North, Suite 100, Plymouth, MN 55447  
 PH (763) 331-0088 FAX (763) 331-2727 www.icshealyruff.com

**ICS INSTRUMENT CONTROL SYSTEMS**

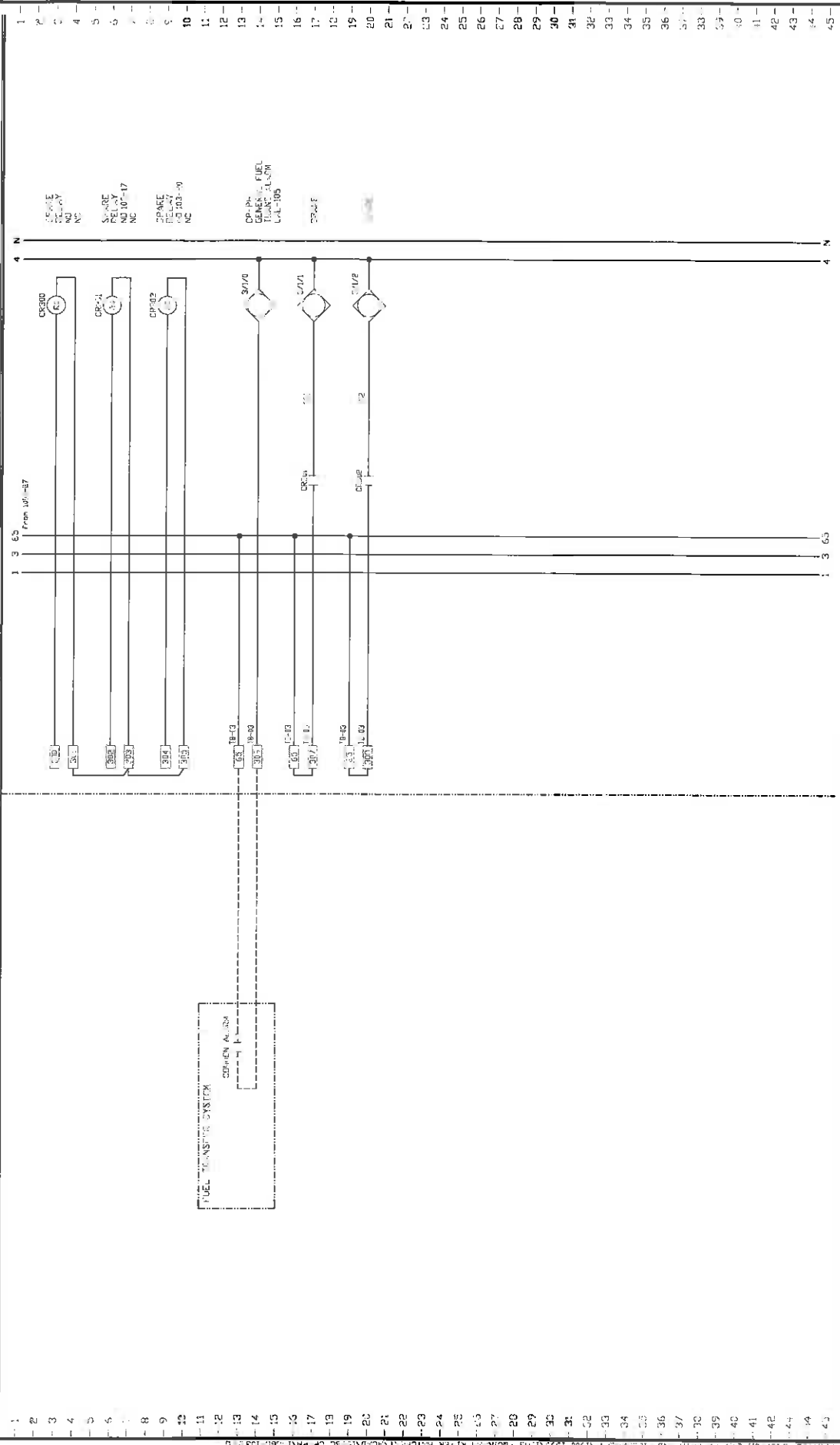
NOT INSTALLED  
 DRAWING  
 FIELD/CONTROL WIRING  
 QUINCY RIVER  
 1/18/11





FIELD D2-4S NOTED

CONTROL PANEL



DATE		REVISION DESCRIPTION		DATE		PROJECT	
1/2/11		REVISED		6/25/11		QUINCY FISH HATCHERY	
1/2/11		REVISED		CUD		PUMPHOUSE (P-PH)	
1/2/11		REVISED		ENGR		GENERATOR CONTROL PANEL	
1/2/11		REVISED		ASSEM		SIGNATURE	
1/2/11		REVISED		SHEET		CONTROL WIRING	
1/2/11		REVISED		8		105	

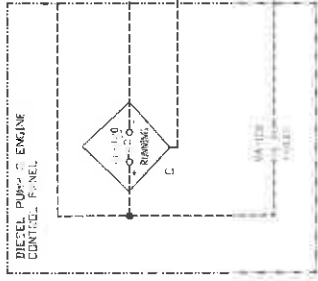
**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
1000 10th Avenue North, Suite 200, Plymouth, MI 48178  
Ph: (734) 325-2121 Fax: (734) 325-2122 www.icshealyruff.com

**ICS INSTRUMENT CONTROL SYSTEMS**  
DATE: 1/2/11  
REVISION DESCRIPTION: REVISED  
SHEET: 8 OF 10

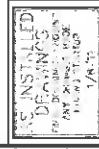
**NOT ALLIED**  
DRAWING  
DATE: 1/2/11  
BY: J. J. J.

FIELD OR AS NOTED

CONTROL PANEL



CP-24H DIESEL PIP 3  
QUINCY DIESEL PIP 3  
CP-24H DIESEL PIP 3  
QUINCY DIESEL PIP 3



**ICS** INSTRUMENT CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
1/8/75	1.0 INITIAL
1/8/75	1.1 INITIAL
1/8/75	1.2 INITIAL
1/8/75	1.3 INITIAL
1/8/75	1.4 INITIAL
1/8/75	1.5 INITIAL
1/8/75	1.6 INITIAL
1/8/75	1.7 INITIAL
1/8/75	1.8 INITIAL
1/8/75	1.9 INITIAL
1/8/75	1.10 INITIAL
1/8/75	1.11 INITIAL
1/8/75	1.12 INITIAL
1/8/75	1.13 INITIAL
1/8/75	1.14 INITIAL
1/8/75	1.15 INITIAL
1/8/75	1.16 INITIAL
1/8/75	1.17 INITIAL
1/8/75	1.18 INITIAL
1/8/75	1.19 INITIAL
1/8/75	1.20 INITIAL
1/8/75	1.21 INITIAL
1/8/75	1.22 INITIAL
1/8/75	1.23 INITIAL
1/8/75	1.24 INITIAL
1/8/75	1.25 INITIAL
1/8/75	1.26 INITIAL
1/8/75	1.27 INITIAL
1/8/75	1.28 INITIAL
1/8/75	1.29 INITIAL
1/8/75	1.30 INITIAL
1/8/75	1.31 INITIAL
1/8/75	1.32 INITIAL
1/8/75	1.33 INITIAL
1/8/75	1.34 INITIAL
1/8/75	1.35 INITIAL
1/8/75	1.36 INITIAL
1/8/75	1.37 INITIAL
1/8/75	1.38 INITIAL
1/8/75	1.39 INITIAL
1/8/75	1.40 INITIAL
1/8/75	1.41 INITIAL
1/8/75	1.42 INITIAL
1/8/75	1.43 INITIAL
1/8/75	1.44 INITIAL
1/8/75	1.45 INITIAL



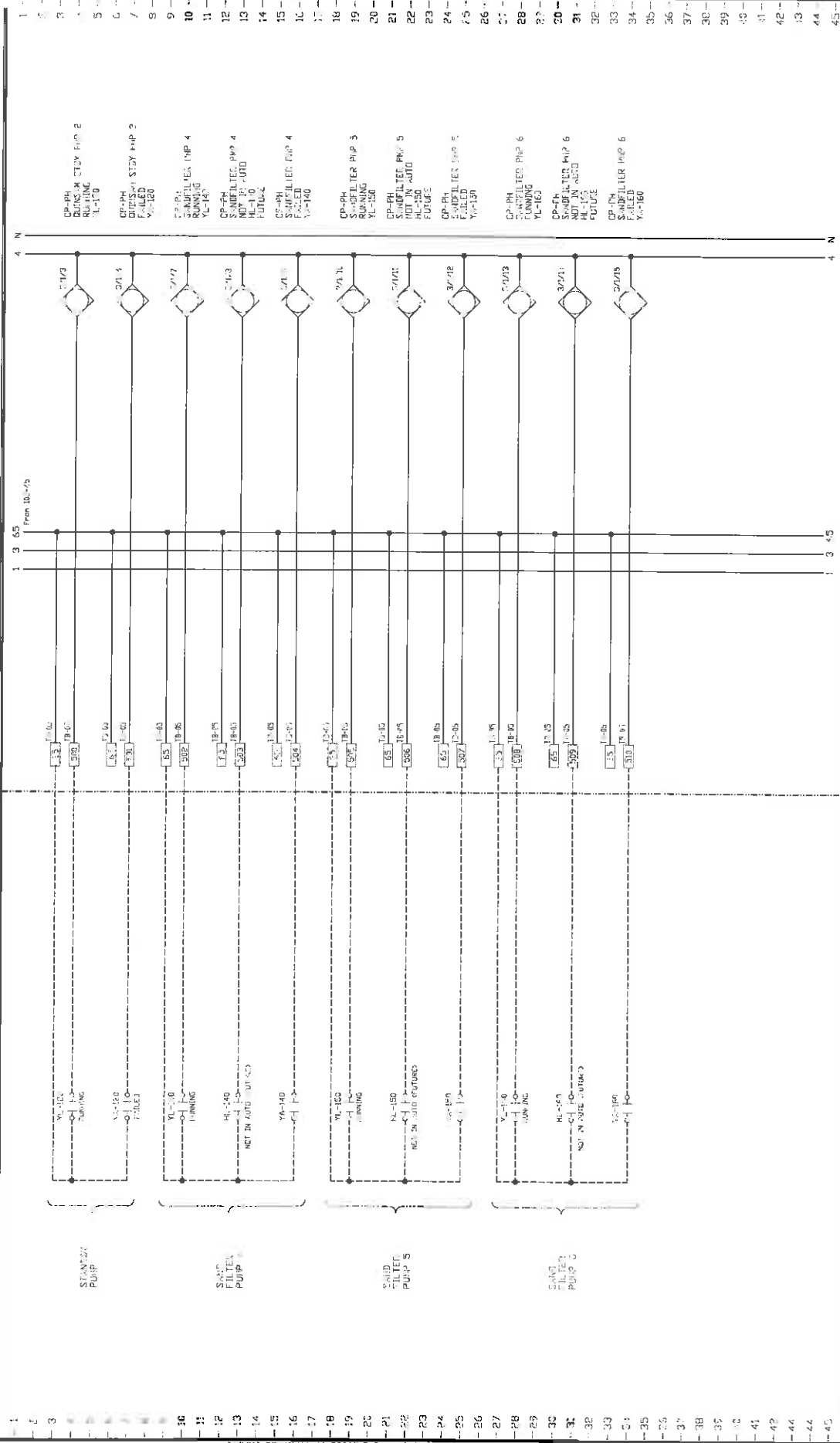
DATE	REVISION DESCRIPTION
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1/8/75	1.2 INITIAL
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1/8/75	1.4 INITIAL
1/8/75	1.5 INITIAL
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1/8/75	1.11 INITIAL
1/8/75	1.12 INITIAL
1/8/75	1.13 INITIAL
1/8/75	1.14 INITIAL
1/8/75	1.15 INITIAL
1/8/75	1.16 INITIAL
1/8/75	1.17 INITIAL
1/8/75	1.18 INITIAL
1/8/75	1.19 INITIAL
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1/8/75	1.21 INITIAL
1/8/75	1.22 INITIAL
1/8/75	1.23 INITIAL
1/8/75	1.24 INITIAL
1/8/75	1.25 INITIAL
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1/8/75	1.42 INITIAL
1/8/75	1.43 INITIAL
1/8/75	1.44 INITIAL
1/8/75	1.45 INITIAL

DATE	REVISION DESCRIPTION	PROJECT
1/8/75	1.0 INITIAL	QUINCY FIELD PUMP HATCHERY
1/8/75	1.1 INITIAL	PUMP PIP (CP-24H)
1/8/75	1.2 INITIAL	PUMP PIP (CP-24H)
1/8/75	1.3 INITIAL	ENGINE CONTROL PANEL
1/8/75	1.4 INITIAL	CONTROL PANEL

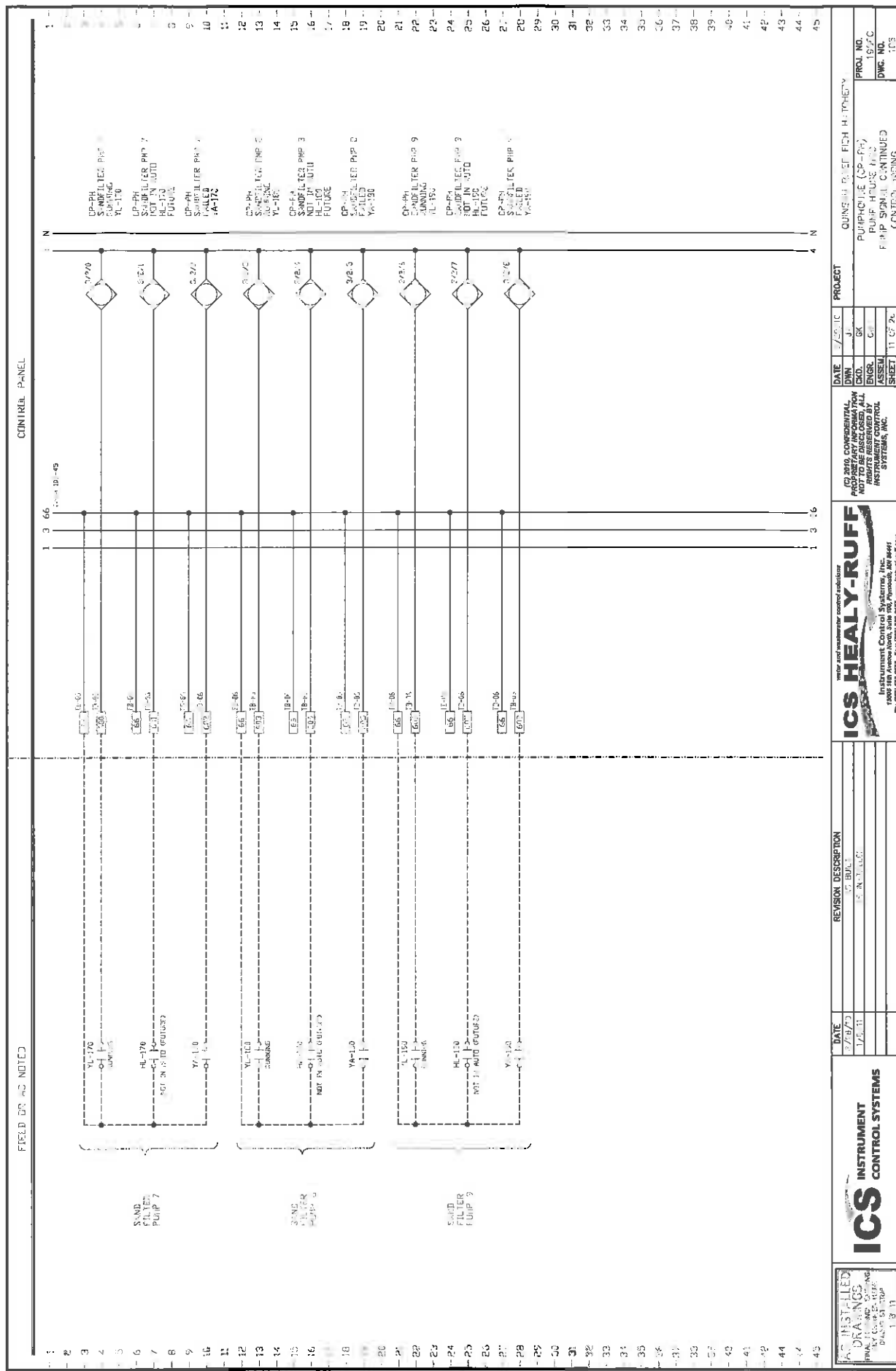
PROJ. NO.	1807
DWG. NO.	104

## EQUIP. HOUSE, MOD. 1

## CONTROL PANEL



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS 15000 Main Avenue North, Suite 100, Plymouth, MN 55441 PH (763) 230-2000 FAX (763) 230-2100 www.icsinstrument.com		(C) 2010, CONFIDENTIAL PROPRIETARY INFORMATION NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM WITHOUT PERMISSION OF INSTRUMENT CONTROL SYSTEMS, INC.		DATE 6/1/10 CND. GSK ENGR. CWH SHEET 1 OF 1		PROJECT QUINCY FISH HATCHERY PURIFICATION (CP-PH) PUMP FUTURE UCC PUMP SIGNAL CONTROL WIRING		PROJ. NO. 100-100 DWG. NO. 100-100	
---	--	---	--	--	--	---	--	---------------------------------------	--



AS INSTALLED  
DRAWINGS  
FINAL 11-20-07  
BY C.D.B.-HBC  
DATE 05-11-08  
1311

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
3/28/00	15 BUIL
1/8/01	16 IN-TAKE

**ICS HEALY-RUFF**  
vector and wastewater control solutions

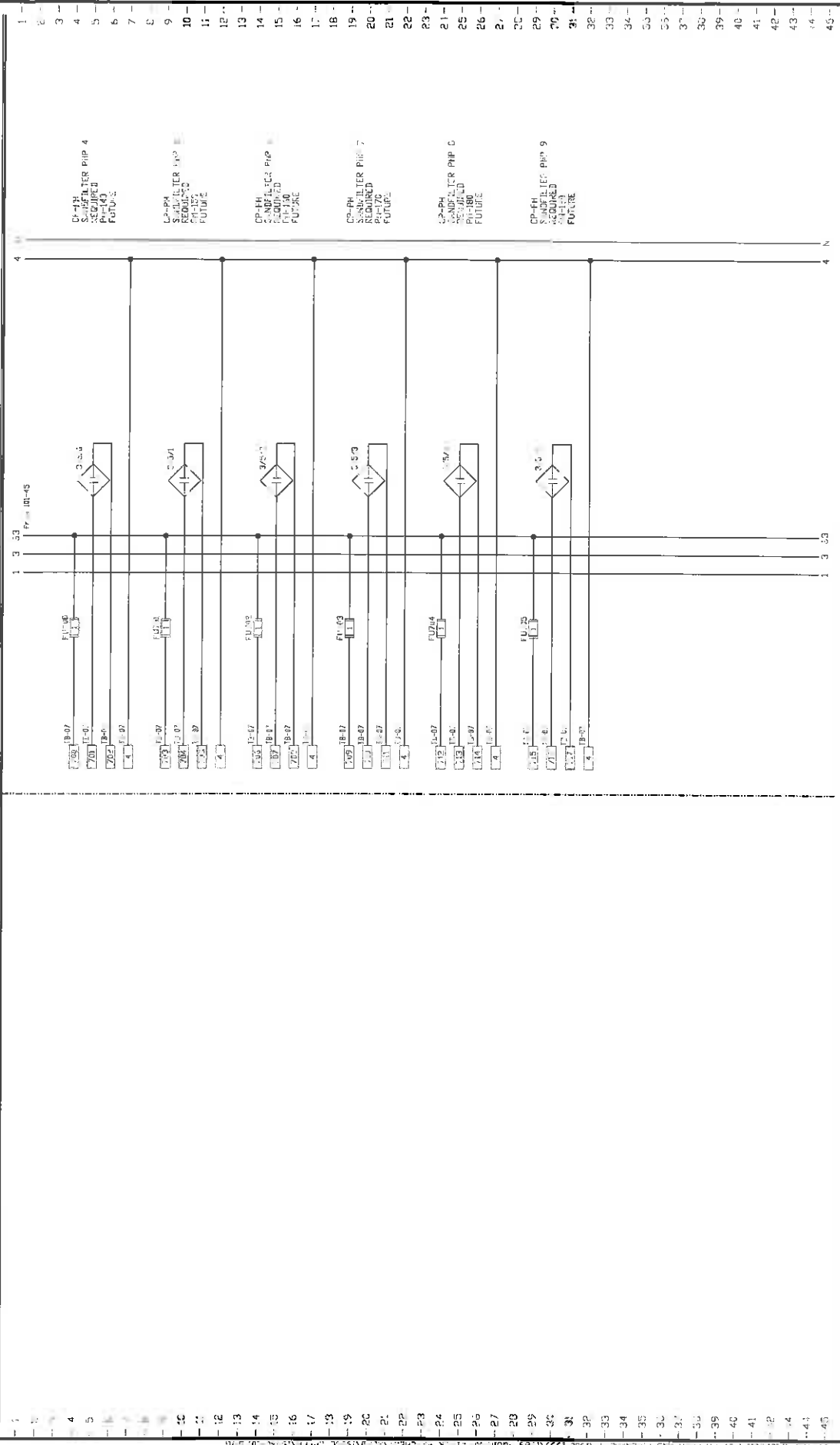
**Instrument Control Systems, Inc.**  
13005 88th Avenue North, Suite 100, Plymouth, MN 55441

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RIGHTS RESERVED BY  
INSTRUMENT CONTROL

DATE	PROJECT
DWN	J.
CKD.	GK
ENGR.	C.
SSFU	

	QUINCE	BALLET FISH HATCHERY	P	D
	PUMPHOUSE (SP-FR)			
	PUMP HOUSE NO.			
	FIRIP SIGNAL CONTINUED			
	CONTROL BUILDING			

CONTROL PANEL



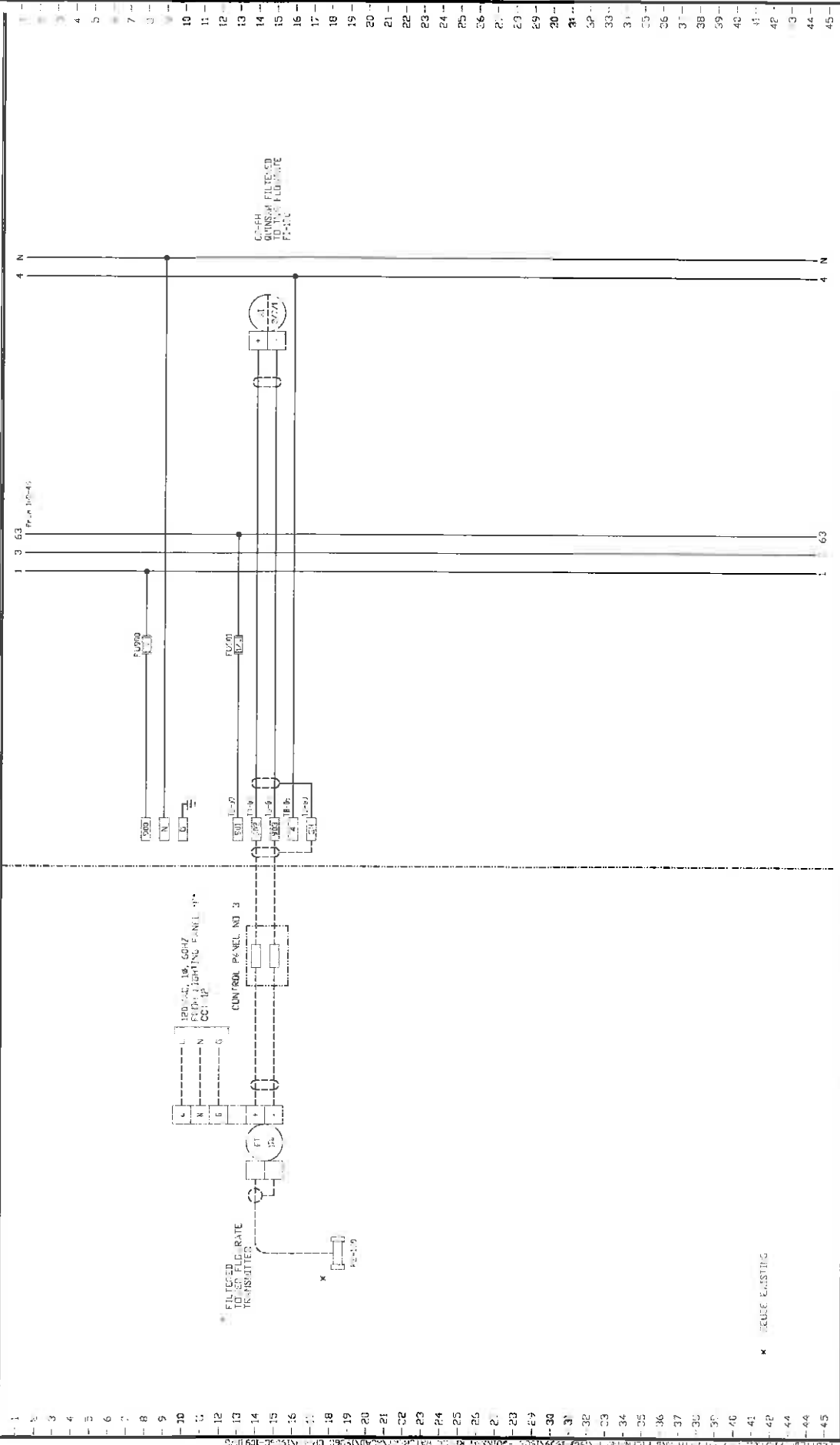
 <p><b>ICS</b> INSTRUMENT CONTROL SYSTEMS</p>	DATE	REVISION DESCRIPTION	<p>water and wastewater treatment solutions</p> <p><b>ICS HEALY-RUFF</b></p>  <p>Instrument Control Systems, Inc.          18400 188 Avenue North, Suite 104, Plymouth, MI 48178          PH: (734) 330-0000 Fax: (734) 330-0101 www.icsintl.com</p>	<p>© 2010, CONFIDENTIAL          PROPRIETARY INFORMATION          NOT TO BE DISCLOSED. ALL          RIGHTS RESERVED BY          INSTRUMENT CONTROL          SYSTEMS, INC.</p>	<p>DATE</p> <p>DWN</p> <p>ENGR</p> <p>ASSEM</p> <p>SHEET</p>	<p>PROJECT</p> <p>GENERAL PAPER FISH HATCHERY</p>	<p>PROJ. NO.</p> <p>PURCHASE (SP-PH)</p> <p>PUMP HOUSE (PCC)</p> <p>PUMP ROOM (FUTURE)</p> <p>CONTROL WING</p>
	05/20/10	1.2 UNITS					
	05/20/10	2.0 UNITS					
	05/20/10	3.0 UNITS					
	05/20/10	4.0 UNITS					





FIELD WIRING NOTED

CONTROL PANEL



DATE		REVISION DESCRIPTION		DATE		PROJECT	
R 12/10		S 0017		12/11		CULIN AIR DIER FIBER FACTORY	
12/11		E 0017		ENGR.		PROJECT (SP. PH)	
				ASSEM.		FIELD WIRING	
				SHEET		CONTROL WIRING	

ICS HEALY-RUFF

Instrument Control Systems, Inc.

1000 18th Avenue North, Suite 100, Plymouth, MI 48178

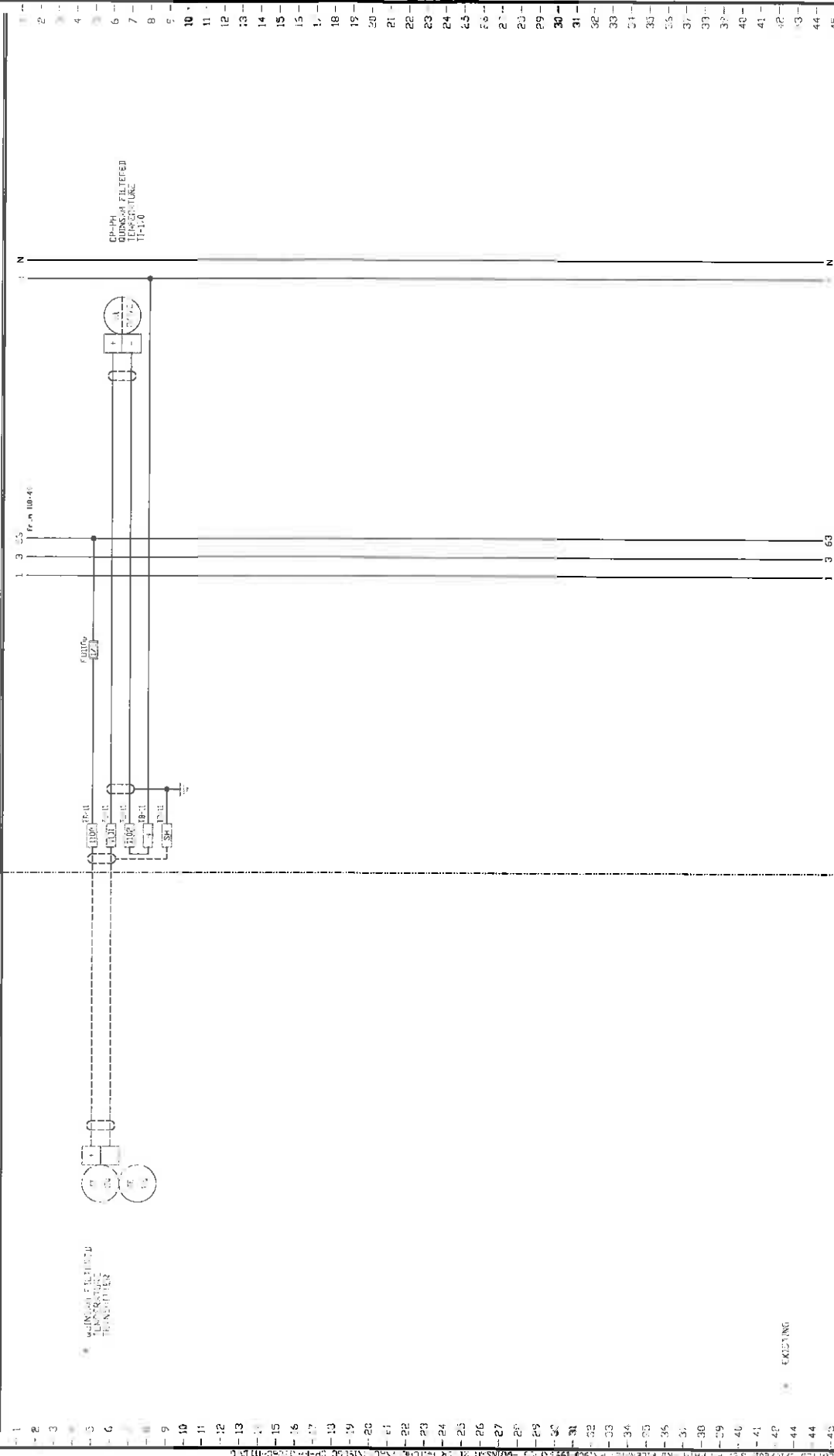
PH: (313) 285-0000 FAX: (313) 285-0100 www.icshealy-ruff.com

PROJ. NO.	138-0
DWG. NO.	138-0
SHEET	1 of 1



FIELD OR AS NOTED

CONTROL PANEL

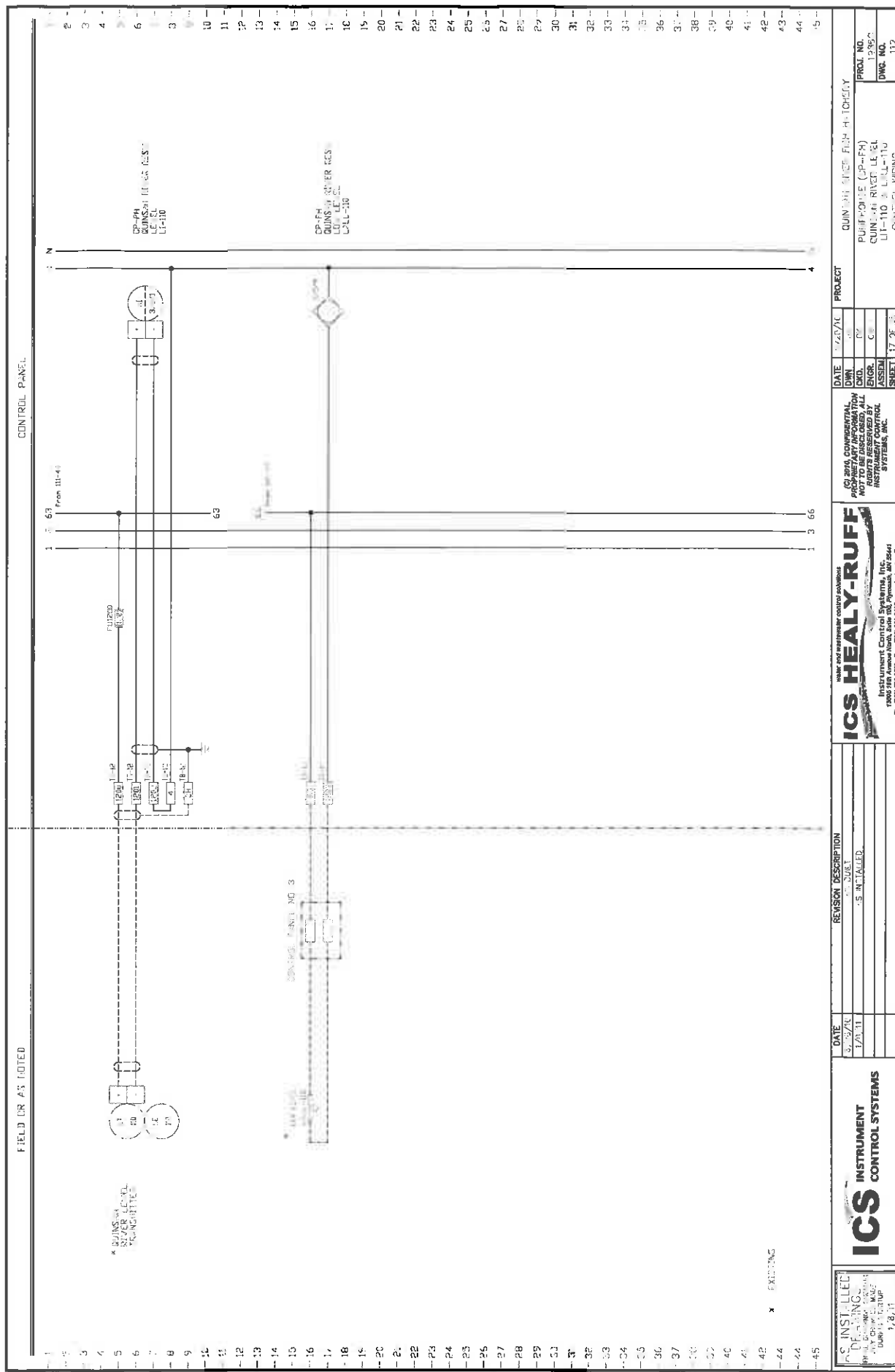


DATE		REVISION DESCRIPTION		DATE		PROJECT	
5/2/91		3 BUILT		5/2/91		QUINCY MILL FISH HATCHERY	
5/2/91		5 INSTALLED		5/2/91		FISHHOUSE (CP-PH)	
						FILTERED & TEMP	
						T1-170 TEMP TRANS.	
						CONTROL WIRING	
						PRJ. NO. 111	
						DWG. NO. 111	

**ICS HEALY-RUFF**  
water and wastewater control solutions  
Instrument Control Systems, Inc.  
1000 West Avenue North, Suite 200 Plymouth, MI 48178  
Ph: (313) 888-8888 Fax: (313) 888-8888 www.icshealy-ruff.com

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

**AS INSTALLED**  
DRAWINGS  
DATE 5/2/91  
BY J. S. S. S.



1987

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
06/03/10	1.0. DUEY
1/03/11	1.5 INSTALLED

water and wastewater control solutions

**ICS HEALY-RUFF**

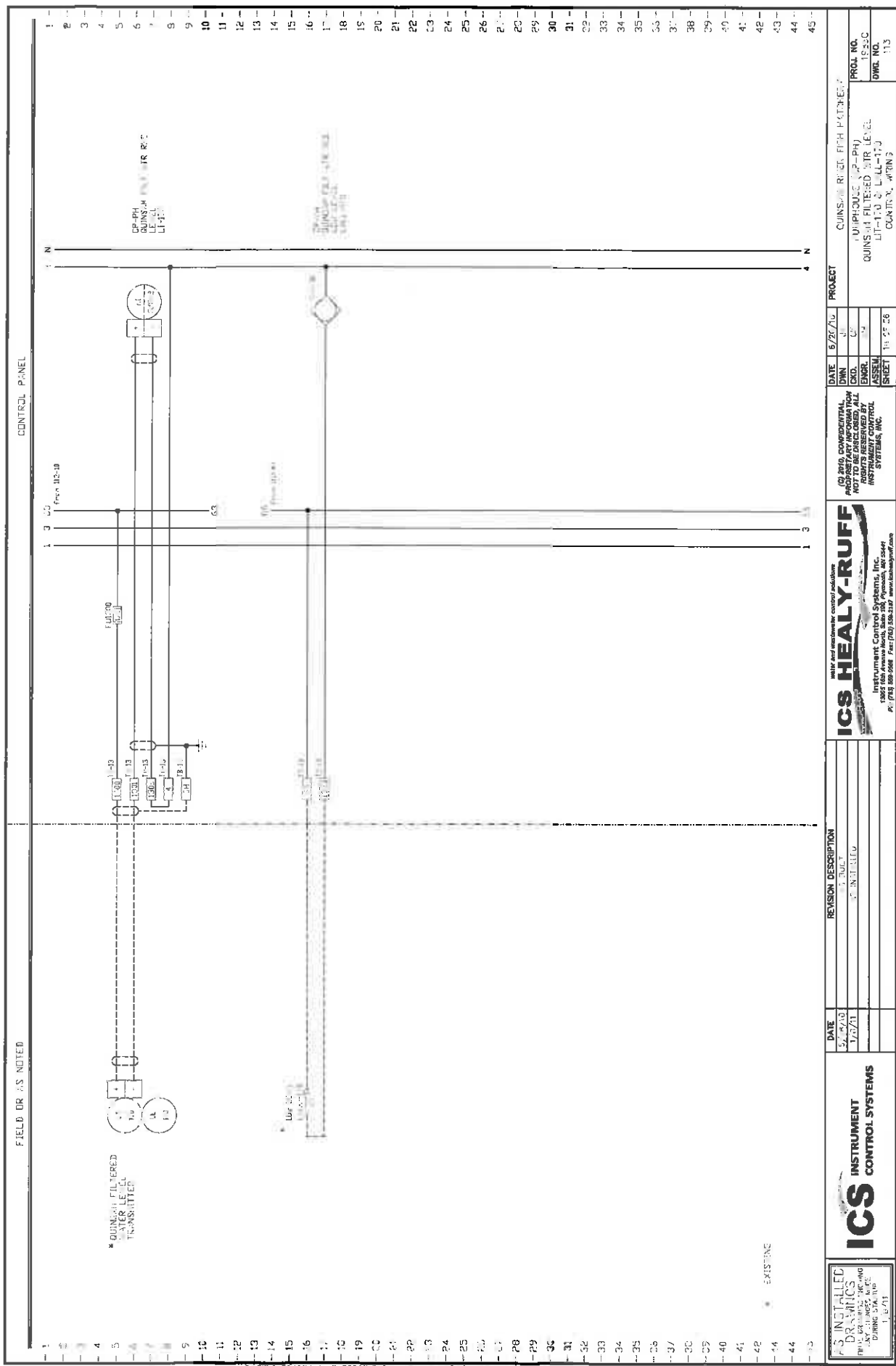
Instrument Control Systems, Inc.  
13008 18th Avenue North, Suite 100, Plymouth, MN 55441  
Tel: (763) 834-0959 Fax: (763) 556-2187 [www.icshealy-ruff.com](http://www.icshealy-ruff.com)

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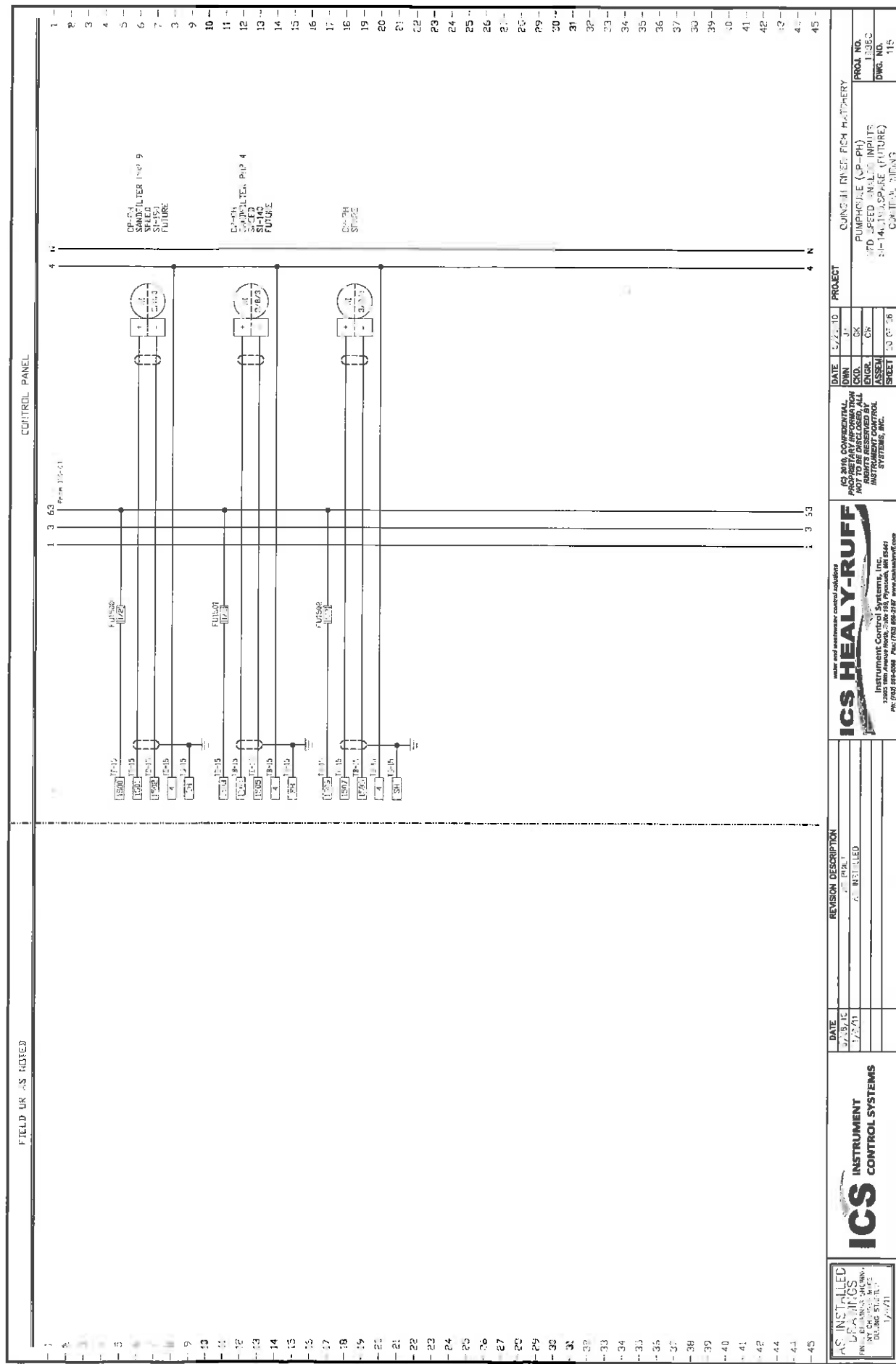
DATE	1/27/10	PROJECT
DWN.		
CKD.		

QUINCY JAMES FLEMING HITCHCOCK

PROJ. NO.	1295
DWG. NO.	112









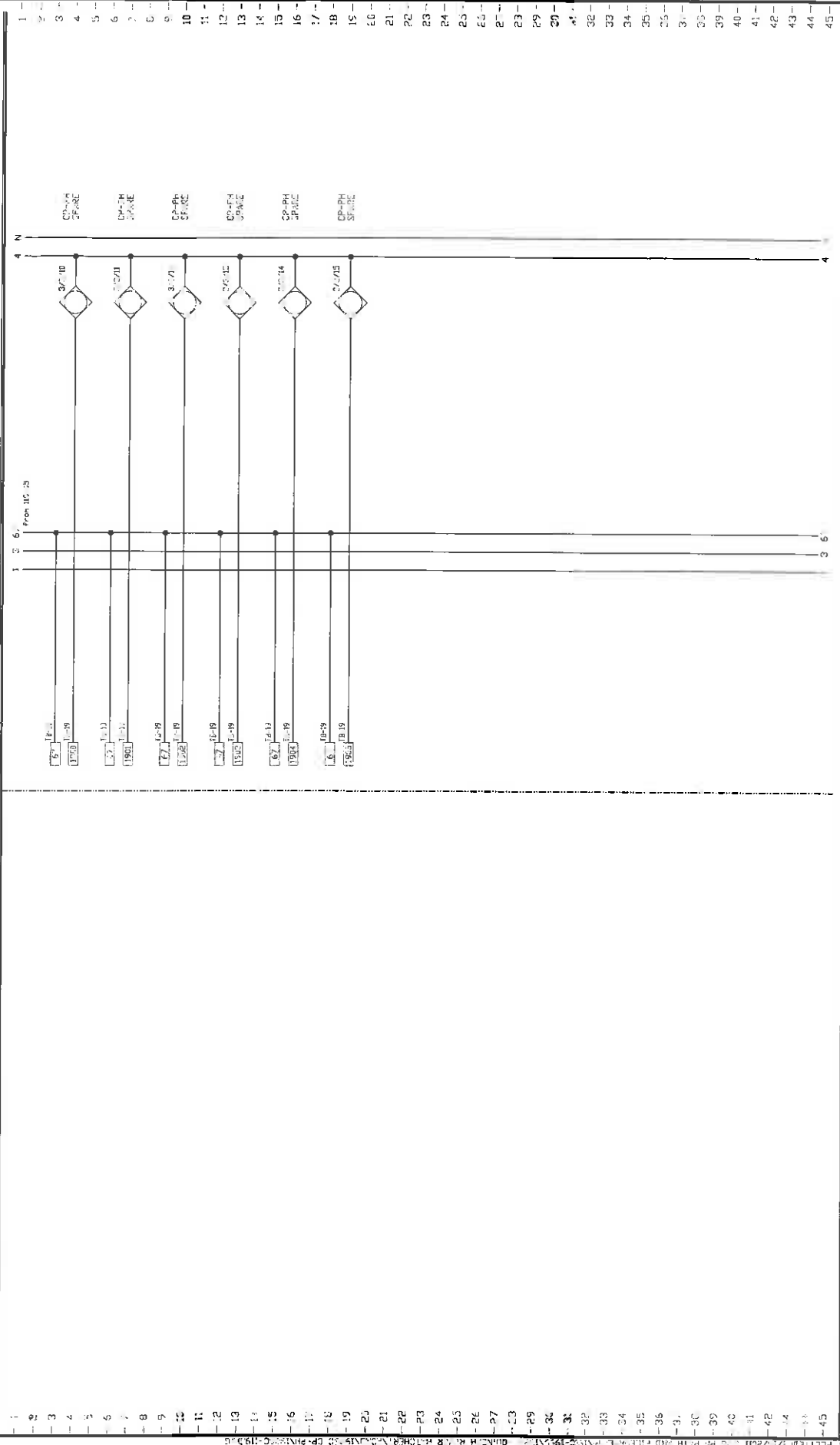




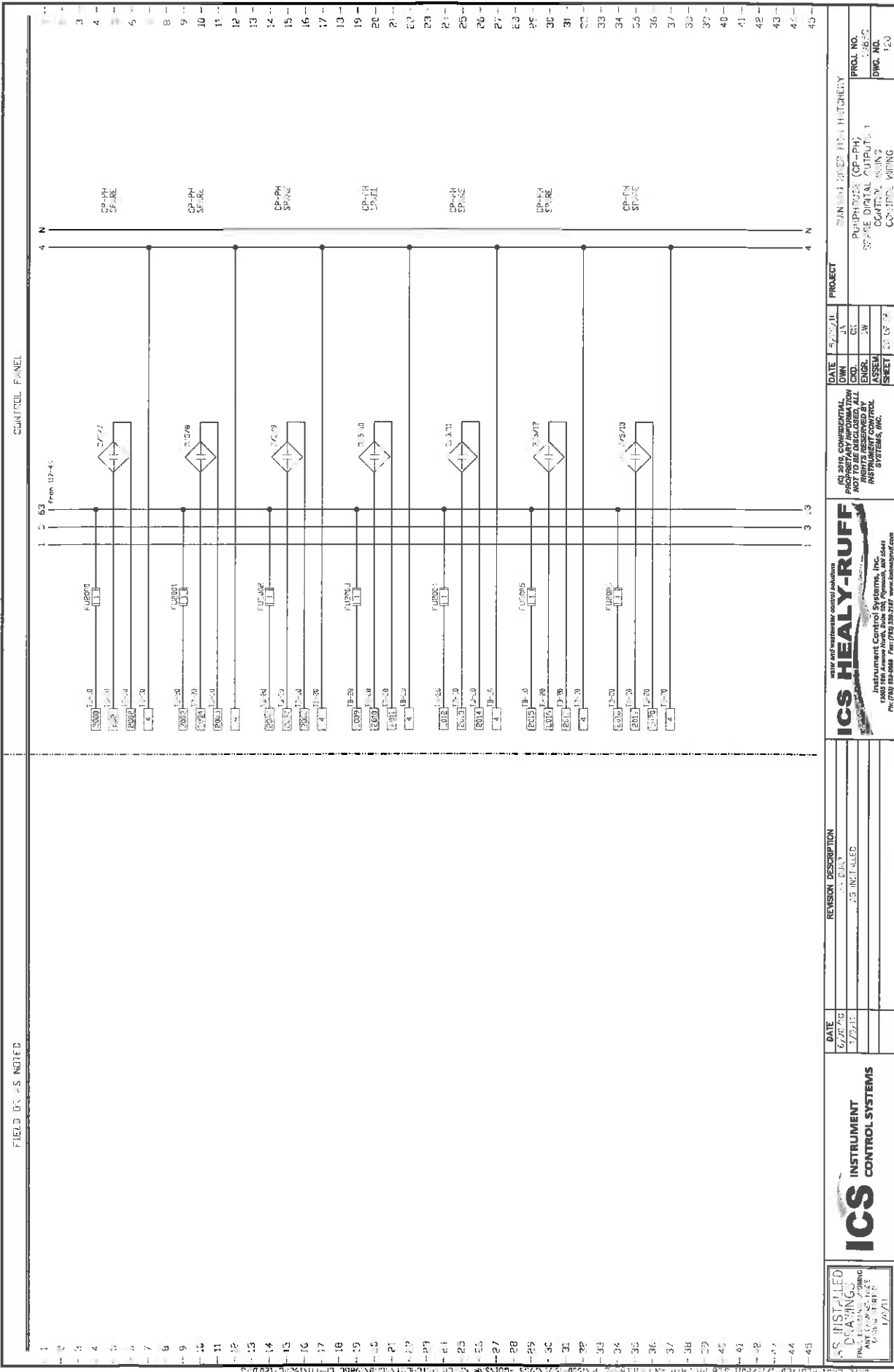


FIELD OF AS NOTED

CONTROL PANEL



<b>AS INSTALLED</b> DRAWINGS BY DATE 1/1/11 DURING SET-UP 1/1/11		<b>ICS INSTRUMENT CONTROL SYSTEMS</b>		<b>DATE</b> 1/1/11		<b>REVISION DESCRIPTION</b> 1/1/11		<b>ICS HEALY-RUFF</b> water and wastewater control solutions Instrument Control Systems, Inc. 1988 18th Avenue South, Suite 100, Phoenix, AZ 85004 PH: (602) 944-2000 Fax: (602) 944-2001 www.icshealy-ruff.com		<b>DATE</b> 1/1/11 <b>END</b> OK <b>ENGR</b> OK <b>ASSEM</b> OK <b>SHEET</b> 21 OF 21		<b>PROJECT</b> QUINCY RIVER FISH HATCHERY		<b>PROJ NO</b> 150-0 <b>DWG NO</b> 119	
--	--	---------------------------------------	--	-----------------------	--	---------------------------------------	--	---	--	--	--	--	--	---	--



FIELD USE - AS NOTED

CONTROL PANEL

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE: 6/26/10  
BY: J. D. J.

REVISION DESCRIPTION  
1.0 INITIAL

**ICS HEALY-RUFF**  
INSTRUMENT CONTROL SYSTEMS, INC.  
1000 1st Avenue North, Suite 100, Minneapolis, MN 55401  
Ph: (763) 782-2288 Fax: (763) 782-2287 www.icshealyruff.com

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INSTRUMENT CONTROL  
SYSTEMS, INC.

DATE: 6/26/10  
DWG: J. D. J.  
ENGR: J. D. J.  
ASSEM: J. D. J.  
SHEET: 120 OF 120

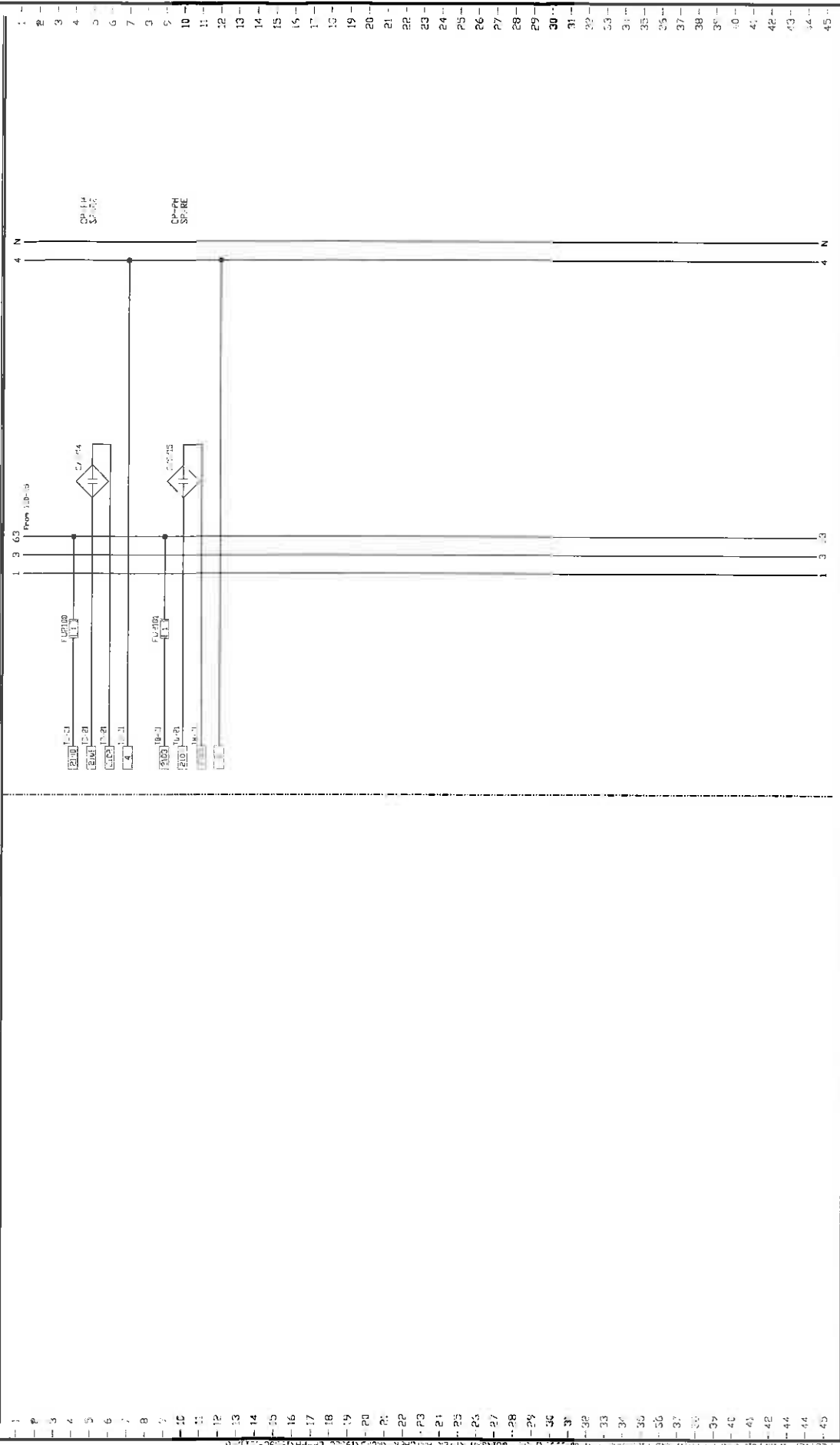
PROJECT: SUN 101 BLDG FISH HATCHERY

PURPOSE: CP-PH  
SPACE: DIGITAL OUTPUT 1  
CONTROL: WING 3  
CONNECTION: WING 120

PROJ. NO.: 120  
DWG. NO.: 120

FIELD OK'S NOTED

CONTROL PANEL

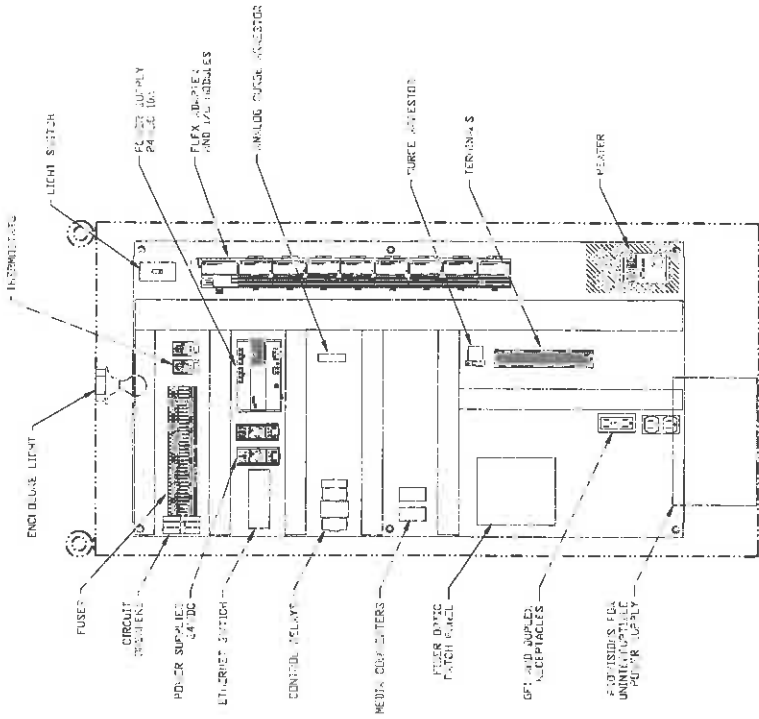
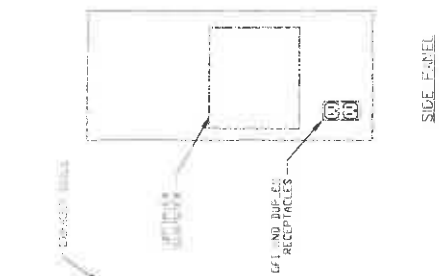
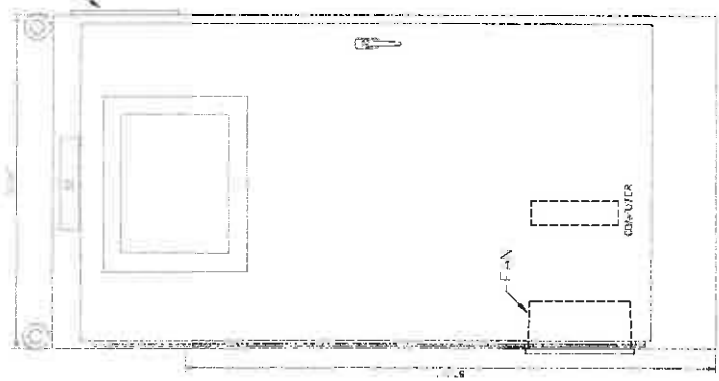
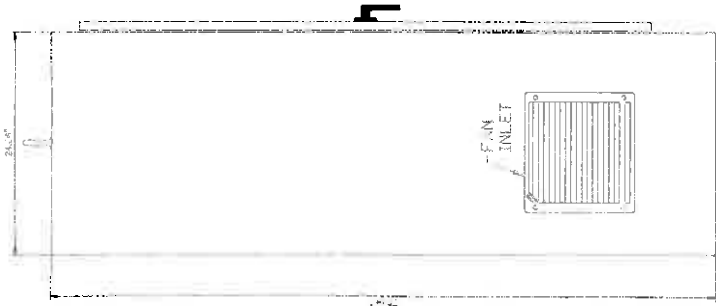


<b>ICS</b> INSTRUMENT CONTROL SYSTEMS	DATE 1/25/10	REVISION DESCRIPTION P.1.001 As NOTED	DATE 1/25/10	PROJECT UNIVERSITY OF FLORIDA	PROJ. NO. 1155C
DATE 1/25/10			DATE 1/25/10		
PROJECT UNIVERSITY OF FLORIDA			PROJECT UNIVERSITY OF FLORIDA		
PROJ. NO. 1155C			PROJ. NO. 1155C		
DWG. NO. 121			DWG. NO. 121		

# DRAWING INDEX

FILENAME	TITLE_1	TITLE_2	TITLE_3	TITLE_4	FILEDATE
1985D-NEL	NERATION TOWER (CP-A1)	DRAWING INDEX			6/12/2010
1985D-001	NERATION TOWER (CP-A1)	STRUCTURE DETAIL			6/8/2010
1986D-002	NERATION TOWER (CP-A1)	PLD I/O SCHEDULE			6/8/2010
1986D-103A	NERATION TOWER (CP-A1)	ENVIRONMENTAL UPS	CONTROL POWER WIRING		6/8/2010
1986D-106L	NERATION TOWER (CP-A1)	24 VOLT PLC-NETWORK	CONTROL POWER WIRING		6/8/2010
1986D-101	NERATION TOWER (CP-A1)	ALARM HORN	CONTROL POWER WIRING		6/8/2010
1986D-102	NERATION TOWER (CP-A1)	PANEL ALARM	CONTROL POWER WIRING		6/8/2010
1986D-103	NERATION TOWER (CP-A1)	ACERATION TOWER BUILDING	TEMPERATURE		6/8/2010
1986D-104	NERATION TOWER (CP-A1)	RETURNING PONDUS LEVEL ALARMS	PONDUS 1-5		6/8/2010
1986D-105	NERATION TOWER (CP-A1)	RETURNING PONDUS LEVEL ALARMS	PONDUS 6-10		6/8/2010
1986D-106	NERATION TOWER (CP-A1)	RETURNING PONDUS LEVEL ALARMS	PONDUS 11-15		6/8/2010
1986D-107	NERATION TOWER (CP-A1)	CIRCULAR RETURNING TANK LOW	LEVEL ALARMS TANK 1-5		6/8/2010
1986D-108	NERATION TOWER (CP-A1)	CIRCULAR RETURNING TANK LOW	LEVEL ALARMS TANK 6-10		6/8/2010
1986D-109	NERATION TOWER (CP-A1)	COLD CREEK RESERVOIR	LEVEL ALARMS TOWER		6/8/2010
1986D-110	NERATION TOWER (CP-A1)	COLD CREEK FLOWRATE	FLOW TO TOWER TIT-200		6/8/2010
1986D-111	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010
1986D-112	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010
1986D-113	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010
1986D-114	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010
1986D-115	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010
1986D-116	NERATION TOWER (CP-A1)	COLD CREEK TEMPERATURE	TEMP TO TOWER TIT-200		6/8/2010

 <b>ICS</b> INSTRUMENT CONTROL SYSTEMS	DATE: 7/28/10 10:31 AM	REVISION DESCRIPTION: 5 BUILT 10 BUILT	ICS HEALY-RUFF Instrument Control Systems, Inc. 10000 11th Avenue North, Suite 100, Minneapolis, MN 55441 PH: (763) 551-0000 Fax: (763) 551-1111 www.icscontrol.com	(C) 2010, CONFIDENTIAL PROPRIETARY INFORMATION ALL RIGHTS RESERVED BY INSTRUMENT CONTROL SYSTEMS, INC.	DATE: 7/28/10 DWG: ENGR. 1 3F 22	PROJECT: QUINCELY FILTER PLANT HATCHERY	PROL. NO. 192-10 DWG. NO. NDX
	DRAWING INDEX						



NAMEPLATE SCHEDULE

TAG	LINE	LINE2	LINE3	SIZE	REMARKS
01	CP-PT	ALLOCATION TO	ER	2X10	

NAMEPLATES ARE BLACK WITH WHITE LETTERS

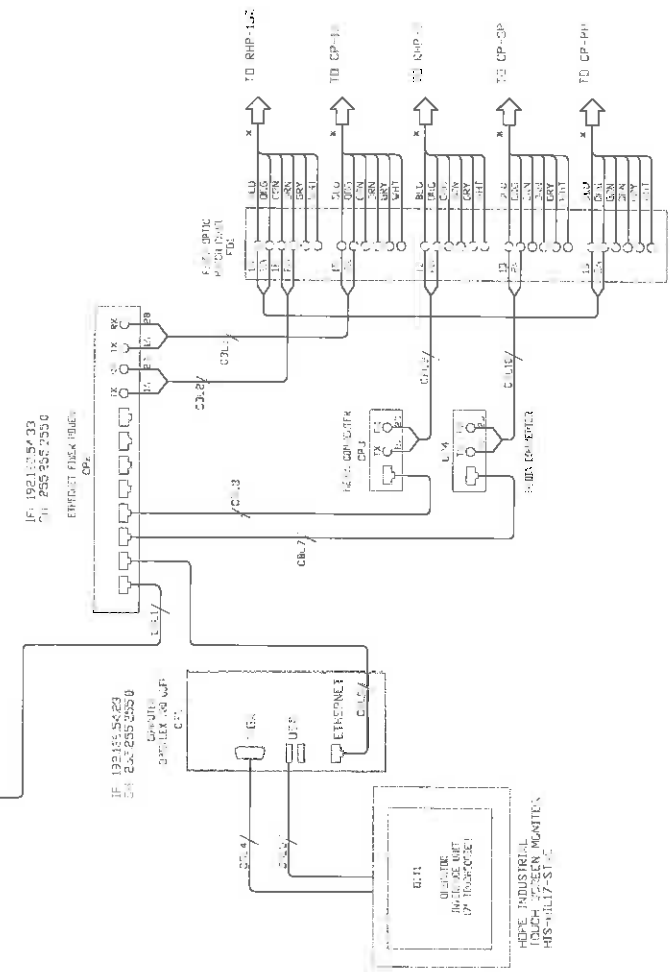
- NOTES:
- 1. ENCLOSURE IS A 74 IN. TYPE 304 STAINLESS STEEL, 1/2" THICK PANEL HOUSING 1720-251.
  - 2. FINISH IS 304 STAINLESS STEEL.
  - 3. 1/2" DIA.



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS 1720-251	DATE: 1/20/71 REVISION: 1 DESCRIPTION: 1720-251	DATE: 1/20/71 PROJECT: QUINCY MILL FISH MATCH-Y
	DRAWING NO.: 1720-251 SHEET: 2 OF 2	PROJECT: QUINCY MILL FISH MATCH-Y ENCLOSURE DETAIL

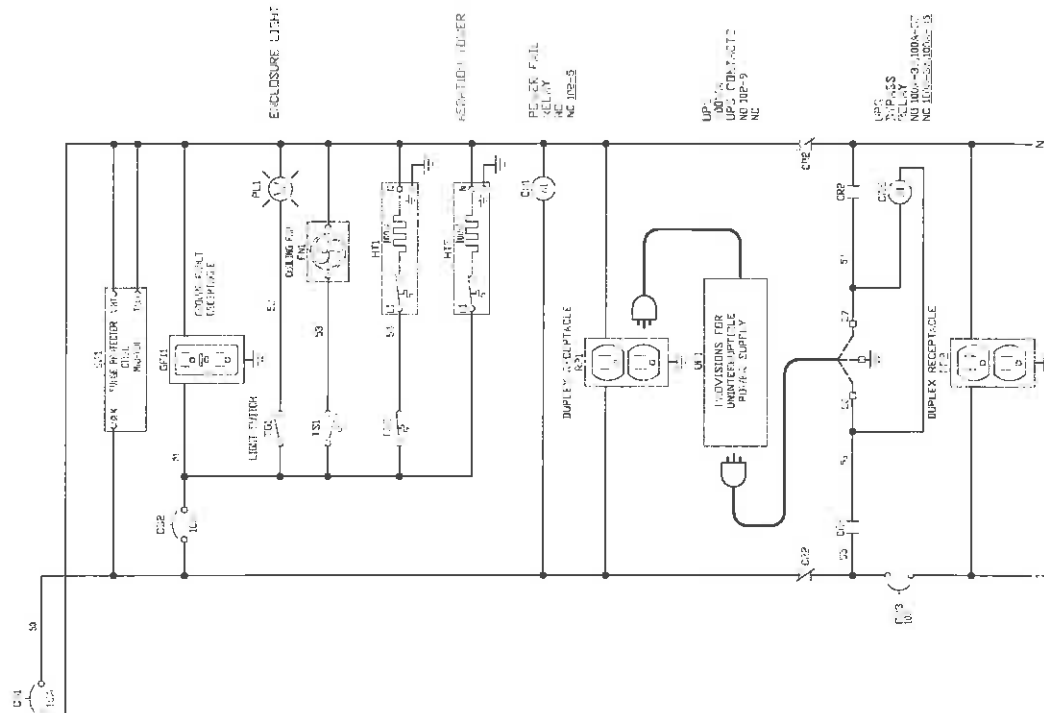






CONTROL PANEL

MAIN DISCONNECT  
AND BRANCH CIRCUIT  
PROTECTED BY OTHERS



AS INSTALLED  
DRAWINGS  
BY O'NEAL M.O.E  
DURING SETUP  
1/8/77

ICS INSTRUMENT CONTROL SYSTEMS

REVISION	DESCRIPTION
----------	-------------

water and wastewater control solutions

# ICS HEALY-RUFF

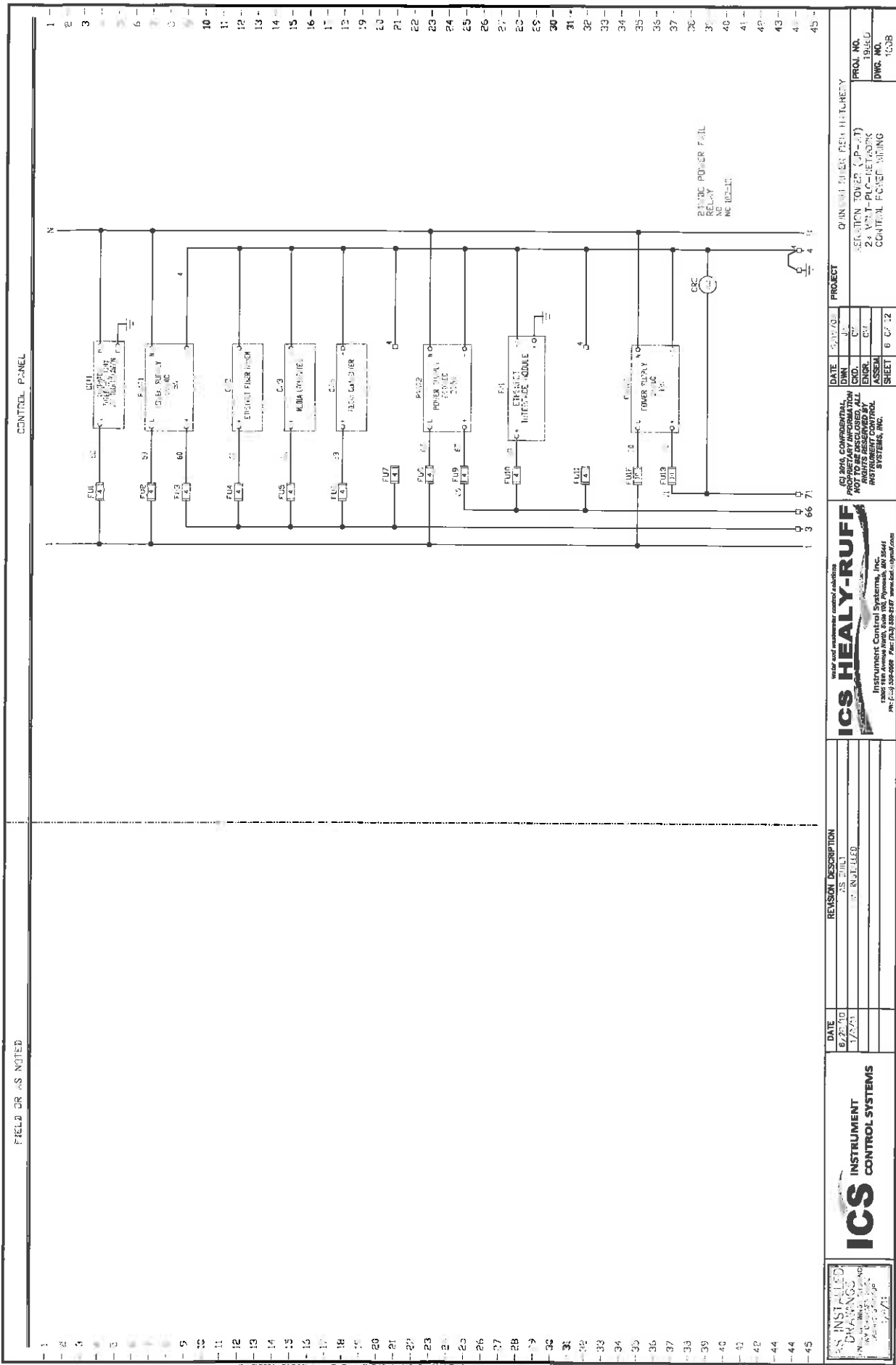
Instrument Control Systems, Inc.  
15005 14th Avenue North, Suite 100, Plymouth, MN 55441  
Ph: (763) 559-0556 Fax: (763) 559-2187 [www.icshealyruff.com](http://www.icshealyruff.com)

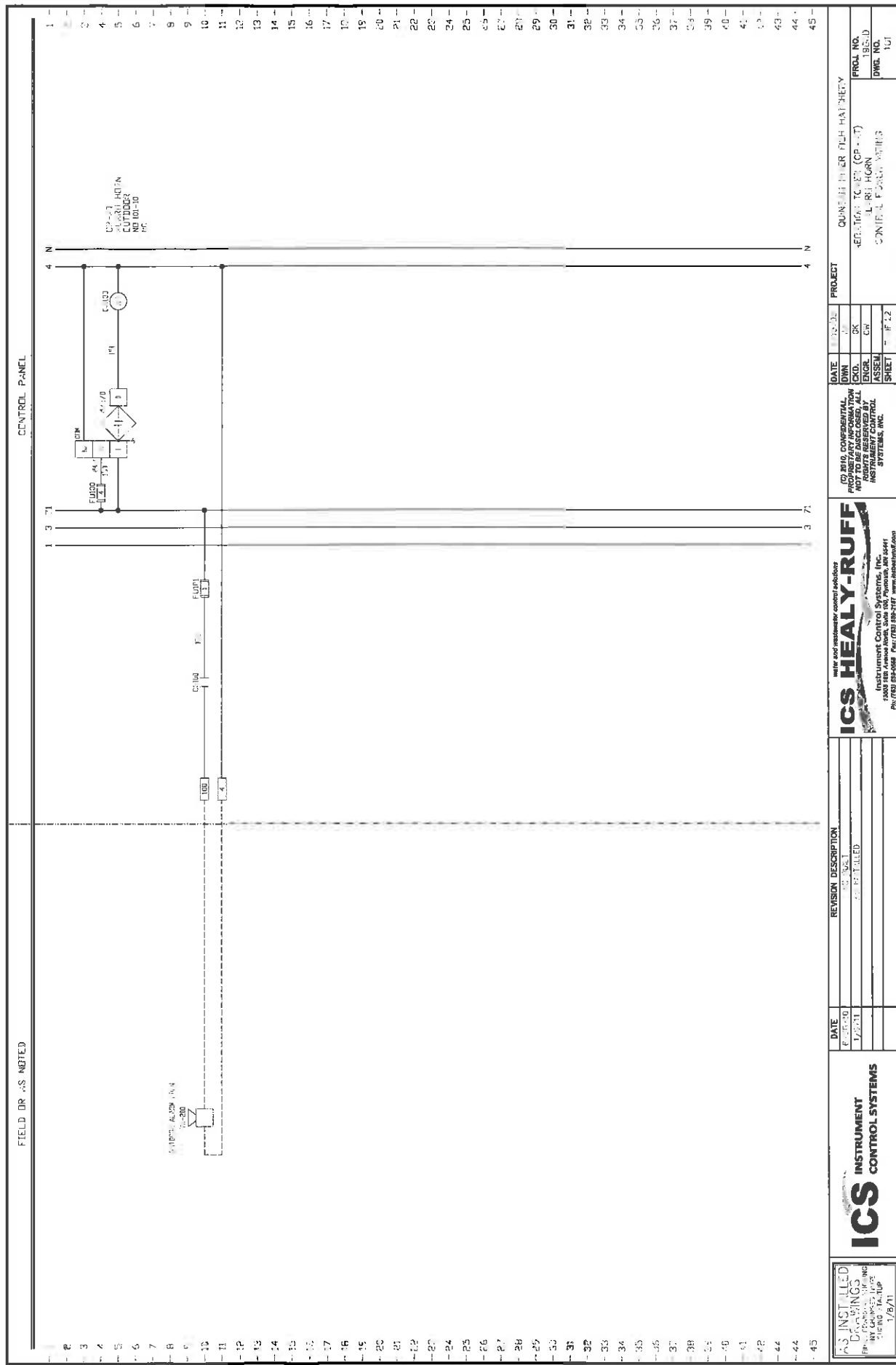
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 THE UNITED STATES OF AMERICA

DATE	05/11/13	PROJECT
------	----------	---------

QUINCY J. FISHER, FIDELITY INVESTMENT CO.

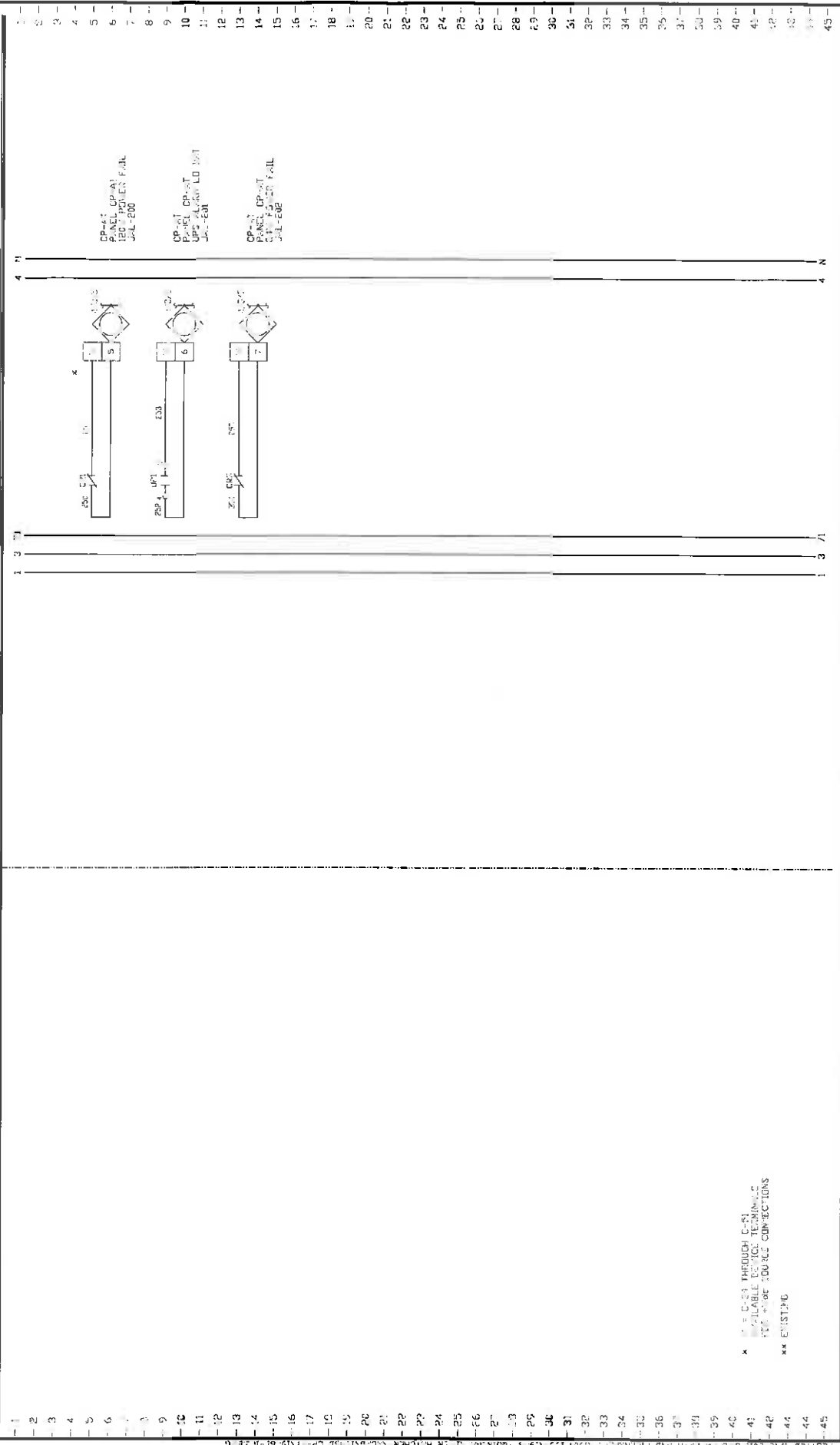
PROJ. NO.	1755
DWG. NO.	1755





FIELD USE: AS NOTED

CONTROL PANEL



\* = D-53 THROUGH D-51  
AVAILABLE TO: VOT. TERMINALS  
FOR 4 WIRE 200VAC CONNECTIONS  
\*\* EXISTING

DATE		REVISION DESCRIPTION		DATE		PROJECT	
1/2/70		BUILT		1/2/70		QUINCY FIRM HATCHERY	
1/3/71		AS BUILT		1/3/71		RELATION TO: CP-01	
						PANEL ALARMS	
						CONTROL PANEL MOUNTING	
						DWS NO. 102	

ICS INSTRUMENT CONTROL SYSTEMS

ICS HEALY-RUFF

Instrument Control Systems, Inc.  
17000 Lake Avenue North, Suite 100, Plymouth, MI 48170  
PH: (313) 525-0000 FAX: (313) 525-0001 email: ics@healy-ruff.com

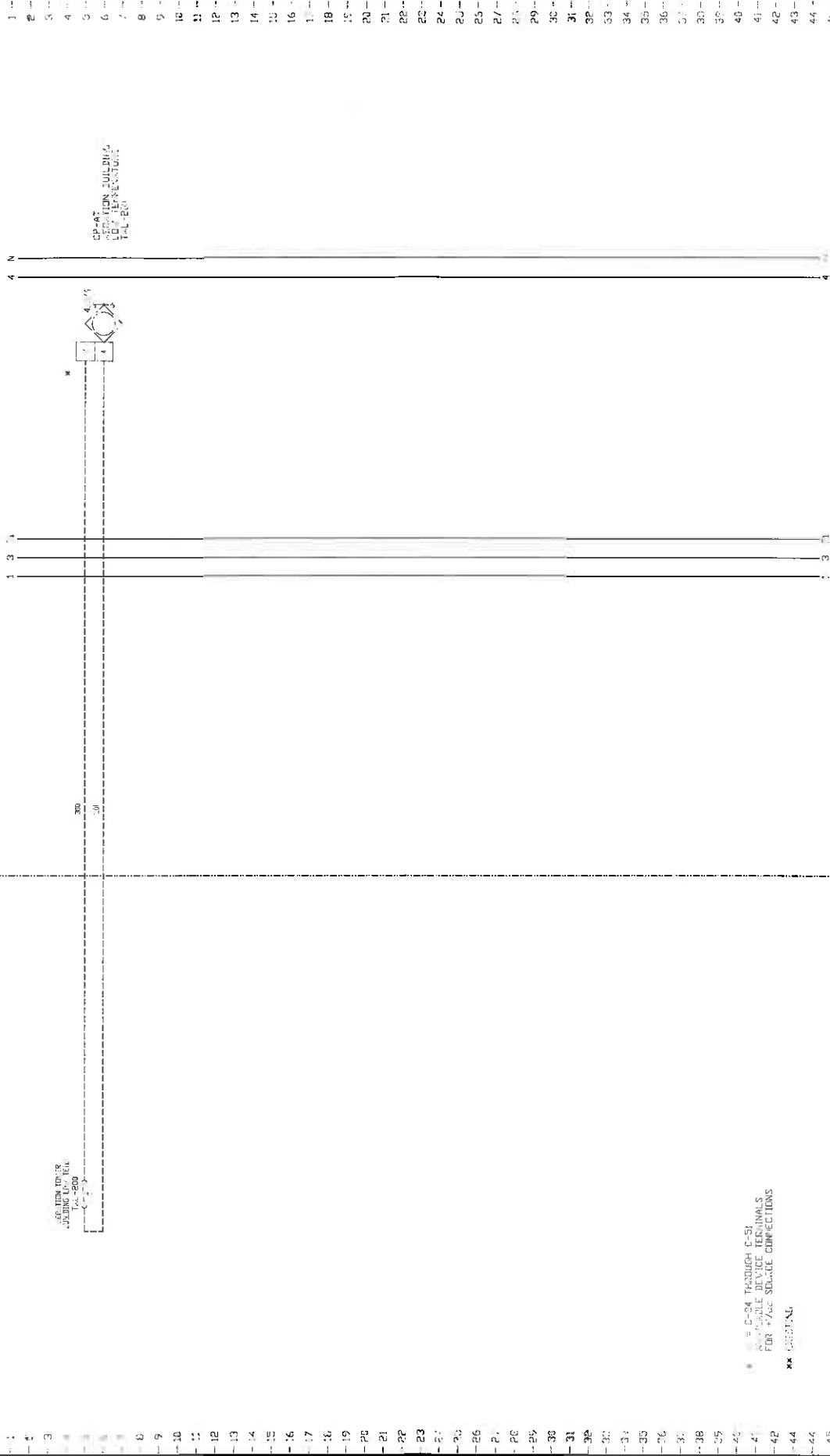
AS NOTED  
DATE: 1/2/70  
BY: [signature]  
CHECKED: [signature]  
DATE: 1/2/71

(C) 2010 CONFIDENTIAL  
PROPERTY INFORMATION  
ALL RIGHTS RESERVED BY  
INSTRUMENT CONTROL  
SYSTEMS, INC.

DATE: 1/2/70  
BY: [signature]  
CHECKED: [signature]  
DATE: 1/2/71

FIELD OR AS NOTED

CONTROL PANEL

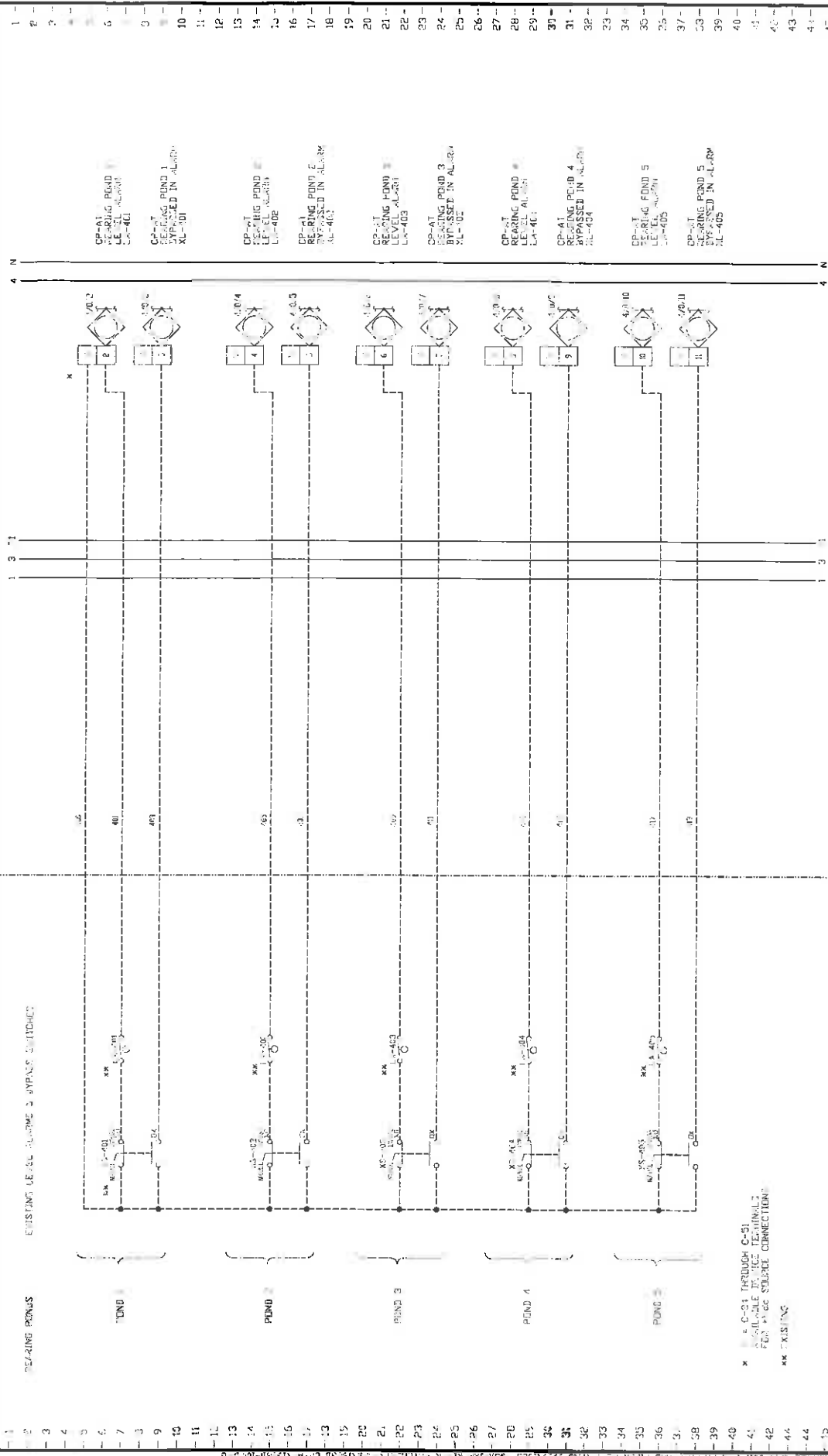


<b>ICS INSTRUMENT CONTROL SYSTEMS</b>		<b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 10000 S. 10th Ave., Suite 100 Phoenix, AZ 85048 PH: (602) 944-0088 Fax: (602) 944-0087		<small>(C) 2010, CONFIDENTIAL PROPERTY OF ICS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM WITHOUT PERMISSION INSTRUMENT CONTROL SYSTEMS, INC.</small>		<b>DATE</b> 5/25/10		<b>REVISION DESCRIPTION</b> 1.0 BUILT 1.1 INSTALLED		<b>DATE</b> 5/25/10		<b>PROJECT</b> QUINCY RIVER FISH HATCHERY			
<b>PROJ. NO.</b> 100		<b>DWG. NO.</b> 100		<b>DATE</b> 5/25/10		<b>BY</b> C-24		<b>CHKD.</b> C-24		<b>ENGR.</b> C-24		<b>ASSEM.</b> C-24		<b>SHEET</b> 1 OF 25	

FIELD OR AS NOTED

CONTROL PANEL

EXISTING LEVEL ALARMS & BYPASS SWITCHES



X = C-31 THROUGH C-51  
XX = C-52 THROUGH C-54  
XXX = C-55 THROUGH C-57

ICS  
INSTRUMENT  
CONTROL SYSTEMS

DATE  
8/21/03  
1/20/04

REVISION DESCRIPTION

ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1000 The America North, Suite 100, Plymouth, MI 48178  
PH: (734) 226-0000 FAX: (734) 226-0100 www.icshealyruff.com

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SYSTEMS, INC.

DATE 1/1/03  
DWG. NO. 10-0722  
SHEET 10 OF 72

PROJECT  
QUINCY RIVER FISH HATCHERY  
ATTENTION: TONER (CP-11)  
RELAYING POND 1 LEVEL ALARM  
POND 1  
CONTROL POWER WIRING

PROJ. NO.  
11850  
DWG. NO.  
101

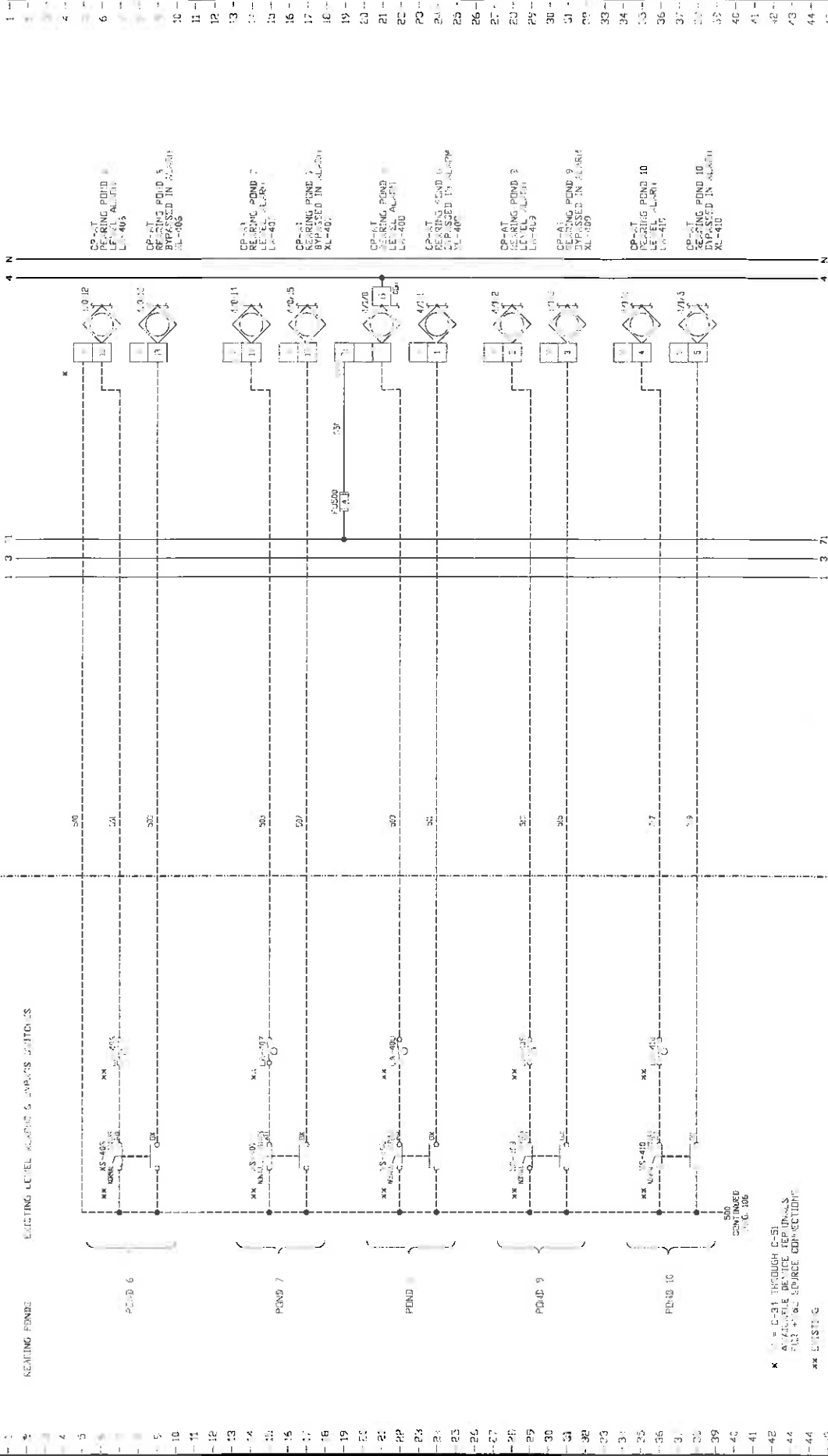


FIELD OR AS NOTED

CONTROL PANEL

EXISTING LEVEL RECORDING & DISPLAY DEVICES

REARING POND



DATE		REVISION DESCRIPTION		DATE		PROJECT	
1/10/00		1. BUILT		1/10/00		QUINCY RIVER FISH HATCHERY	
1/10/00		2. INSTALLED		1/10/00		REARING POND 1-12	
1/10/00		3. EXISTING		1/10/00		REARING POND 13-48	
1/10/00		4. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		5. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		6. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		7. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		8. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		9. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		10. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		11. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		12. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		13. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		14. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		15. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		16. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		17. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		18. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		19. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		20. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		21. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		22. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		23. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		24. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		25. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		26. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		27. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		28. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		29. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		30. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		31. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		32. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		33. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		34. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		35. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		36. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		37. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		38. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		39. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		40. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		41. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		42. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		43. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		44. EXISTING		1/10/00		CONTROL POWER VOTING	
1/10/00		45. EXISTING		1/10/00		CONTROL POWER VOTING	

ICS INSTRUMENT CONTROL SYSTEMS

ICS INSTALLED  
DRAWINGS  
REVISIONS  
DATE  
BY  
CHECKED  
DATE  
BY

water and wastewater control solutions

ICS HEALY-RUFF

Instrument Control Systems, Inc.  
10000 Highway 100, Suite 100  
P.O. Box 100, Suite 100  
P.O. Box 100, Suite 100

QUINCY RIVER FISH HATCHERY

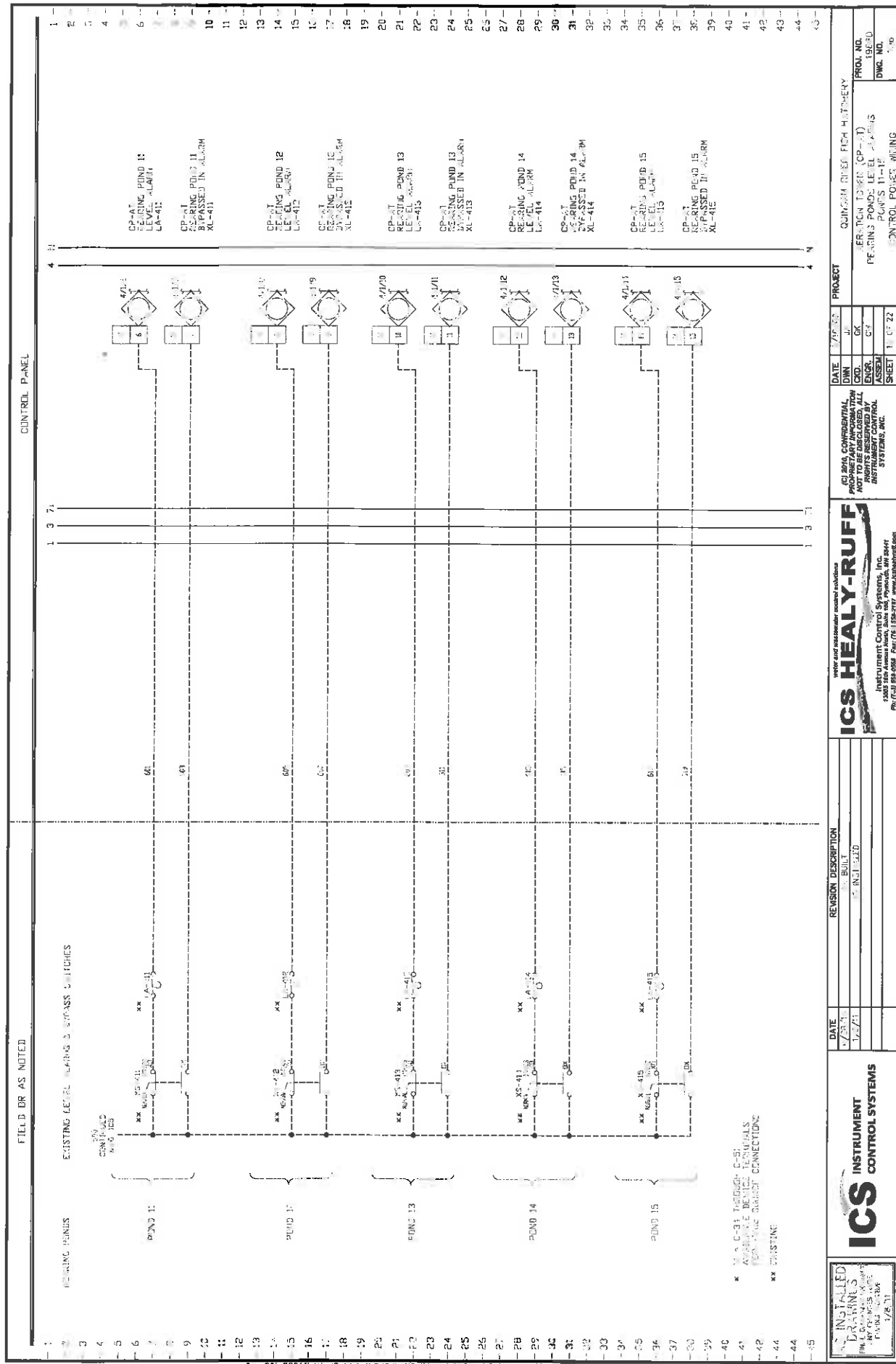
REARING POND 1-12

REARING POND 13-48

CONTROL POWER VOTING

PROJ. NO. 103

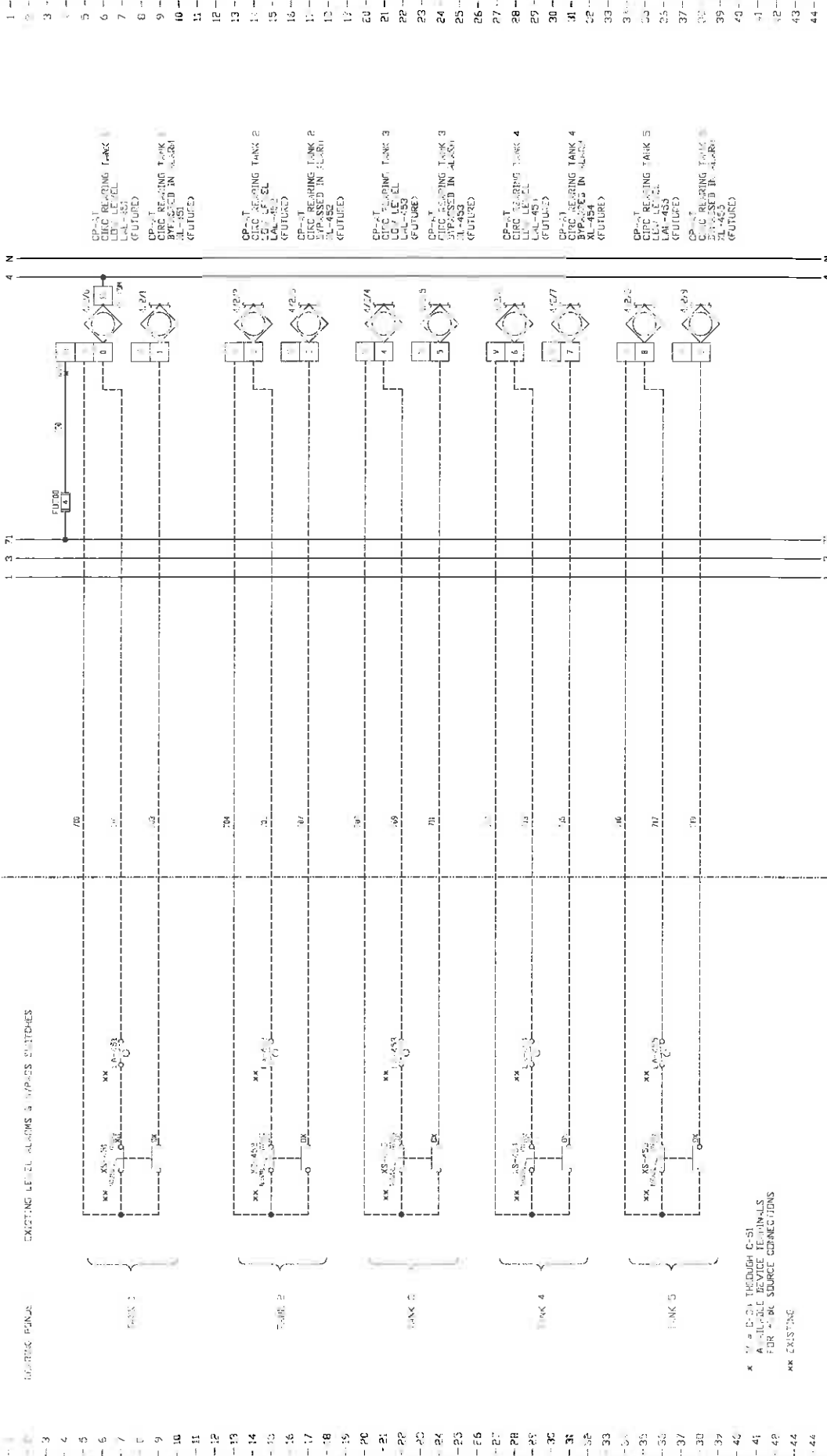
DWG. NO. 103



# FIELD ELECTRICAL NOTED

# CONTROL PANEL

EXISTING LEVEL RELAYS & WIPERS SWITCHES



AS INSTALLED  
DRAWINGS  
FOR  
INSTRUMENT  
CONTROL SYSTEMS

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

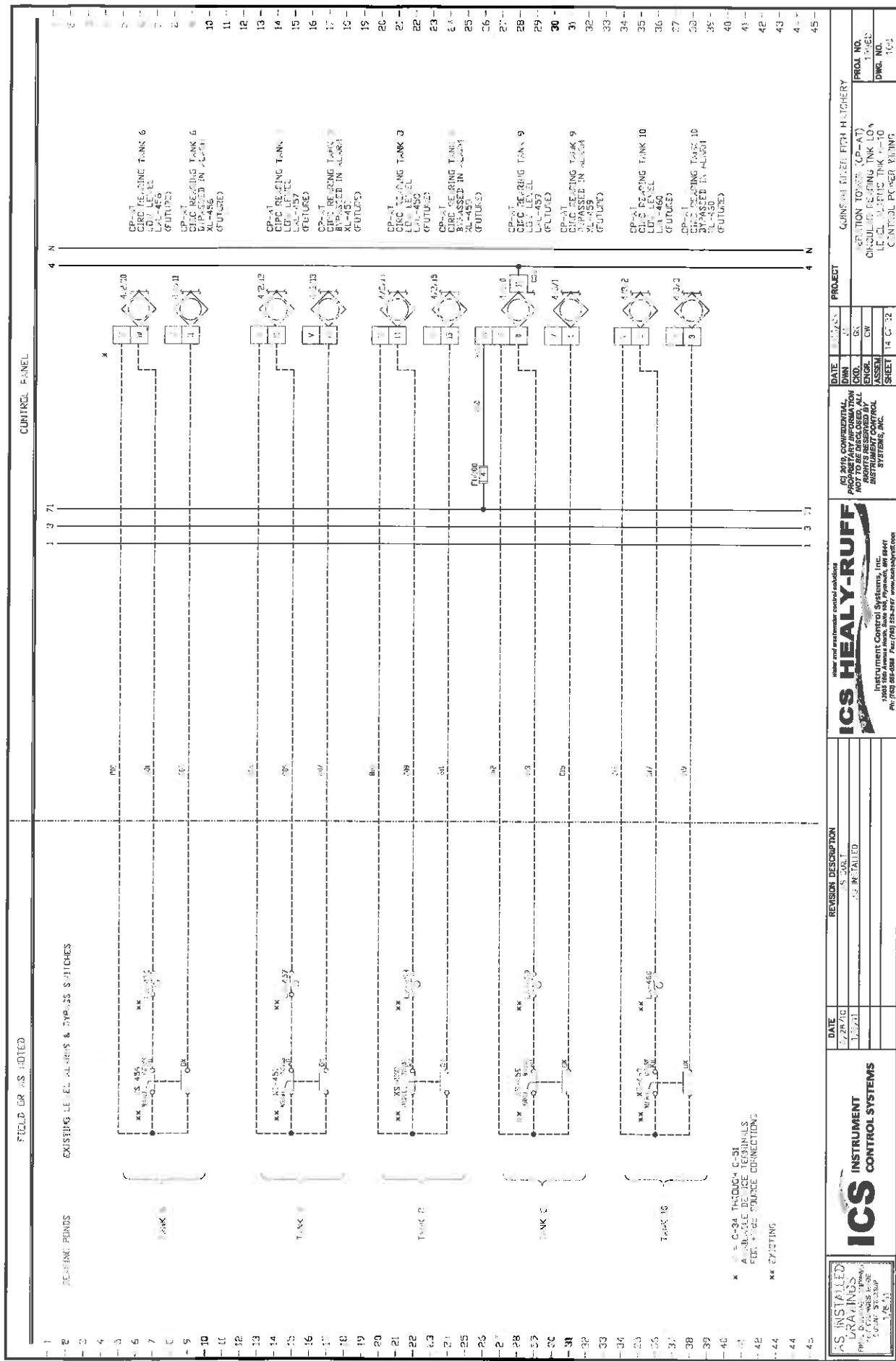
DATE: 12/27/10  
REVISION DESCRIPTION: 1.01 BUILT  
1.02 INSTALLED

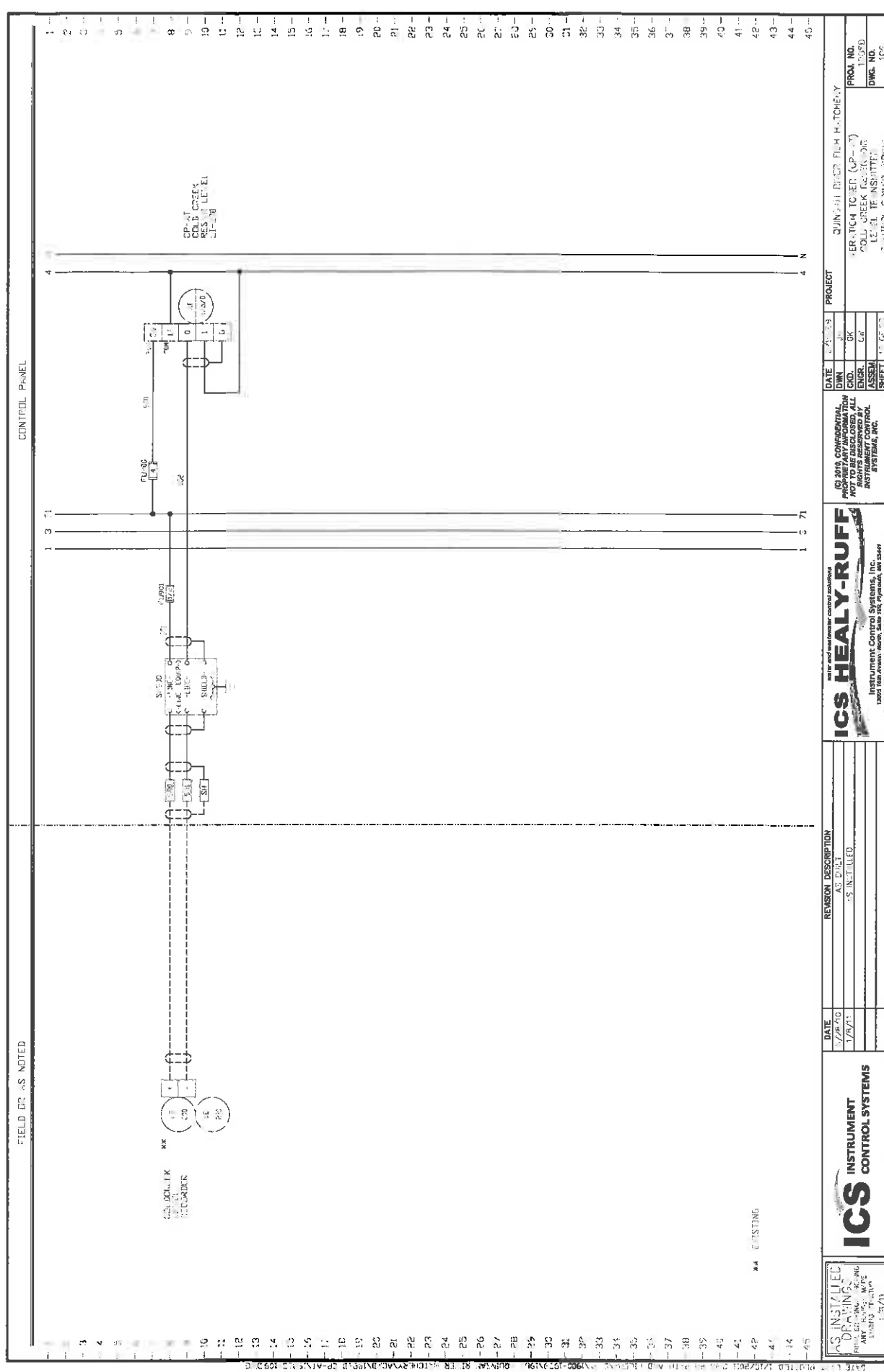
ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1700 S. 10th Street, Suite 100, Minneapolis, MN 55404  
PH: 612-338-8888 FAX: 612-338-8889 www.icshealy-ruff.com

DATE: 12/27/10  
DWG: 101  
ENGR: GJ  
ASSEMBLY: 13 OF 12  
SHEET

PROJECT: QUINCY POWER PLANT HATCHERY  
LOCATION: TOWER (C-31)  
CIRCULAR READING TANK 1-5  
LEVEL ALARM TANK 1-5  
CONTROL PANEL WIRING

PROJ. NO. 1010  
DWG. NO. 101





AS INSTALLED  
DRAWING  
REVISION  
DATE  
1/15/11

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

REVISION DESCRIPTION  
AS SHOWN  
AS INSTALLED

**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
10000 10th Avenue, Suite 100, Broomfield, CO 80020  
PH: 303.440.1000 FAX: 303.440.1001

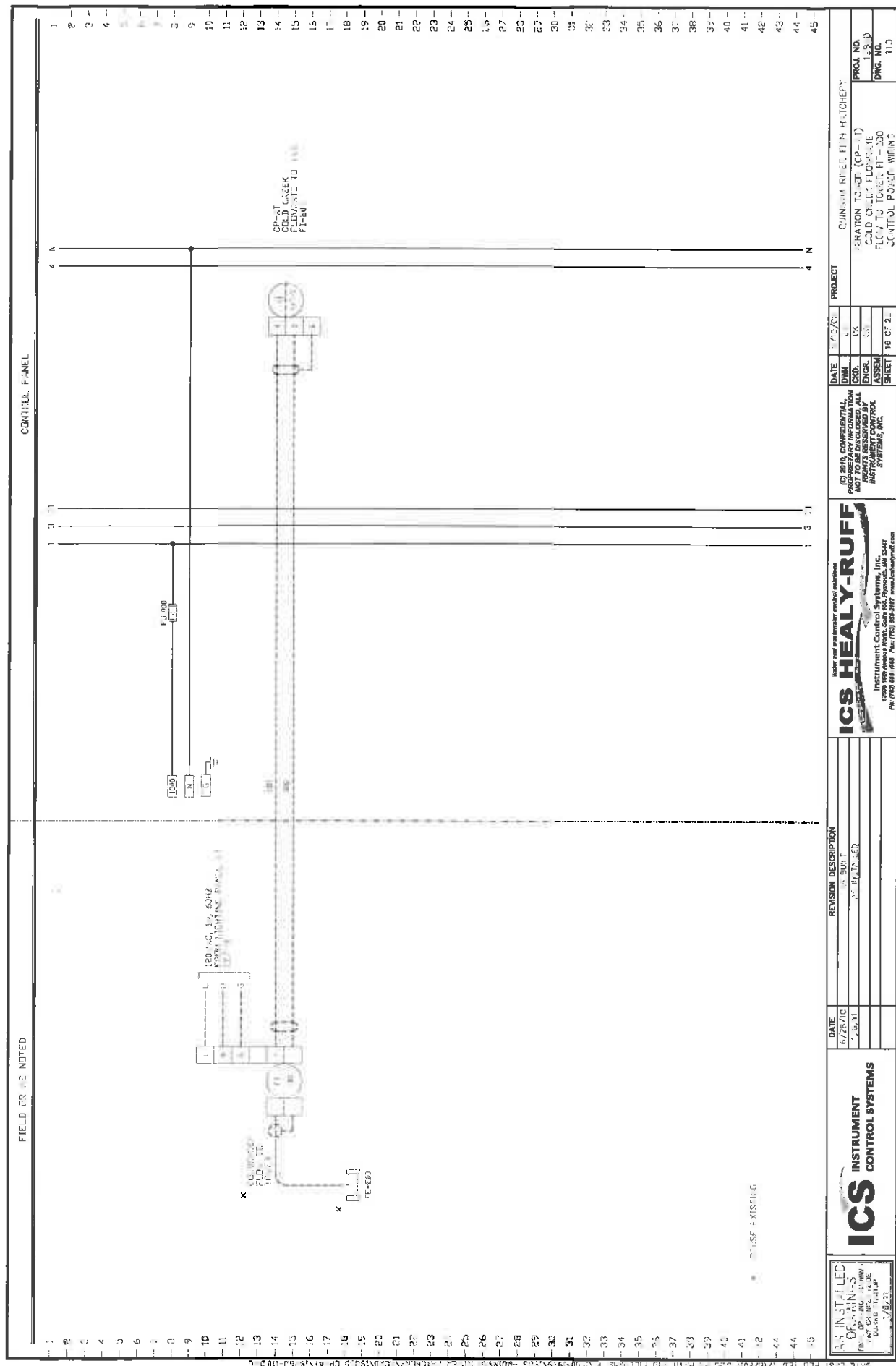
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SYSTEMS, INC.

DATE: 1/15/11  
DWN: JH  
ENGR: GAT  
SHEET: 10 OF 10

PROJECT: QUINCY RIVER FLOW HATCHERY

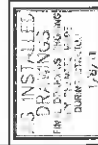
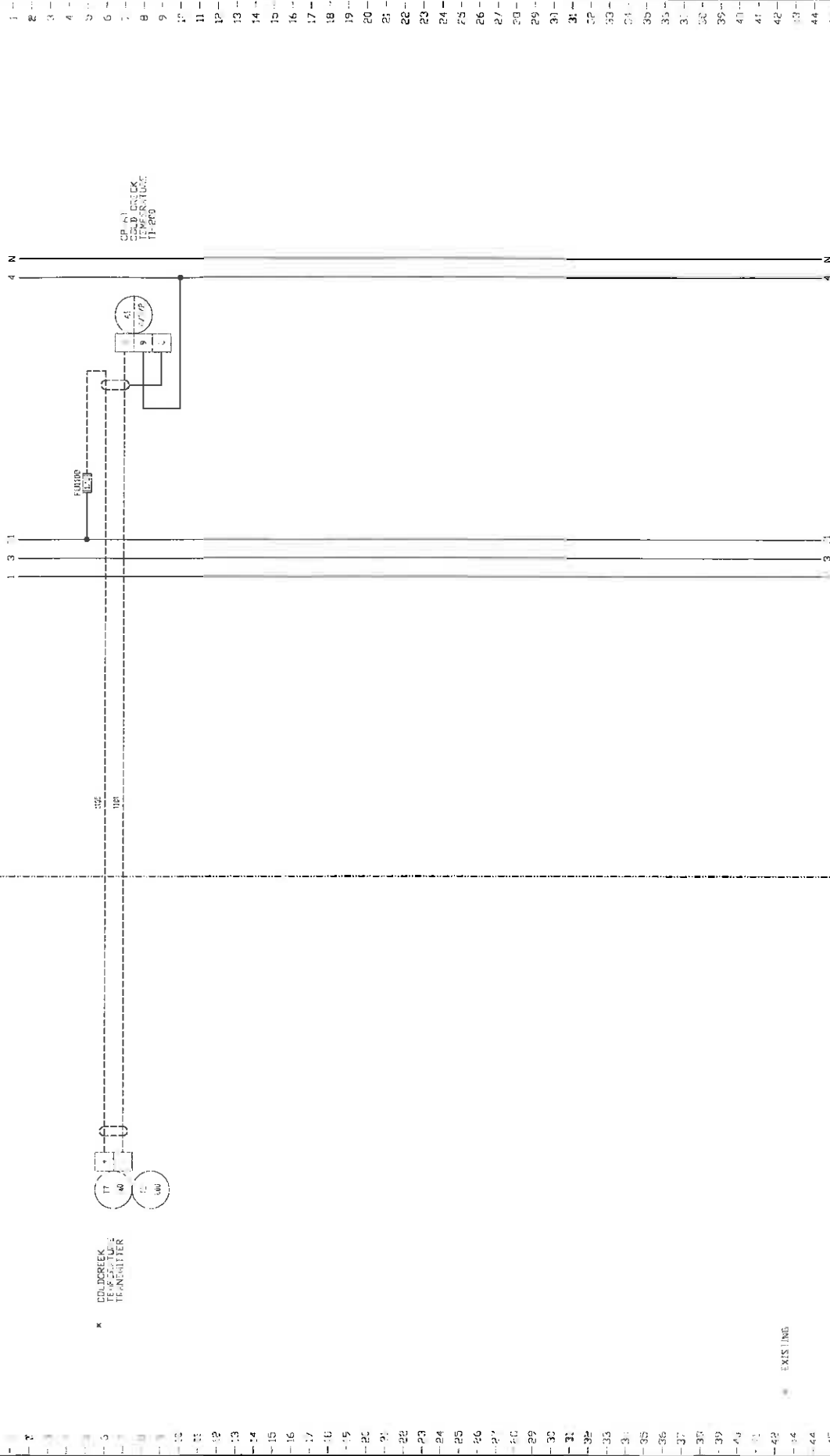
OPERATION: TO RIVER (UP-7)  
COLL. CREEK (UP-7)  
12-EL. FLOW HATCHERY  
CONTROL PANEL WIRING

PROJ. NO. 10000  
DWG. NO. 100



FIELD OR AS NOTED

CONTROL PANEL



ICS INSTRUMENT CONTROL SYSTEMS

DATE: 8/27/01  
REVISION DESCRIPTION:  
1. AS BUILT  
2. NOT ALD

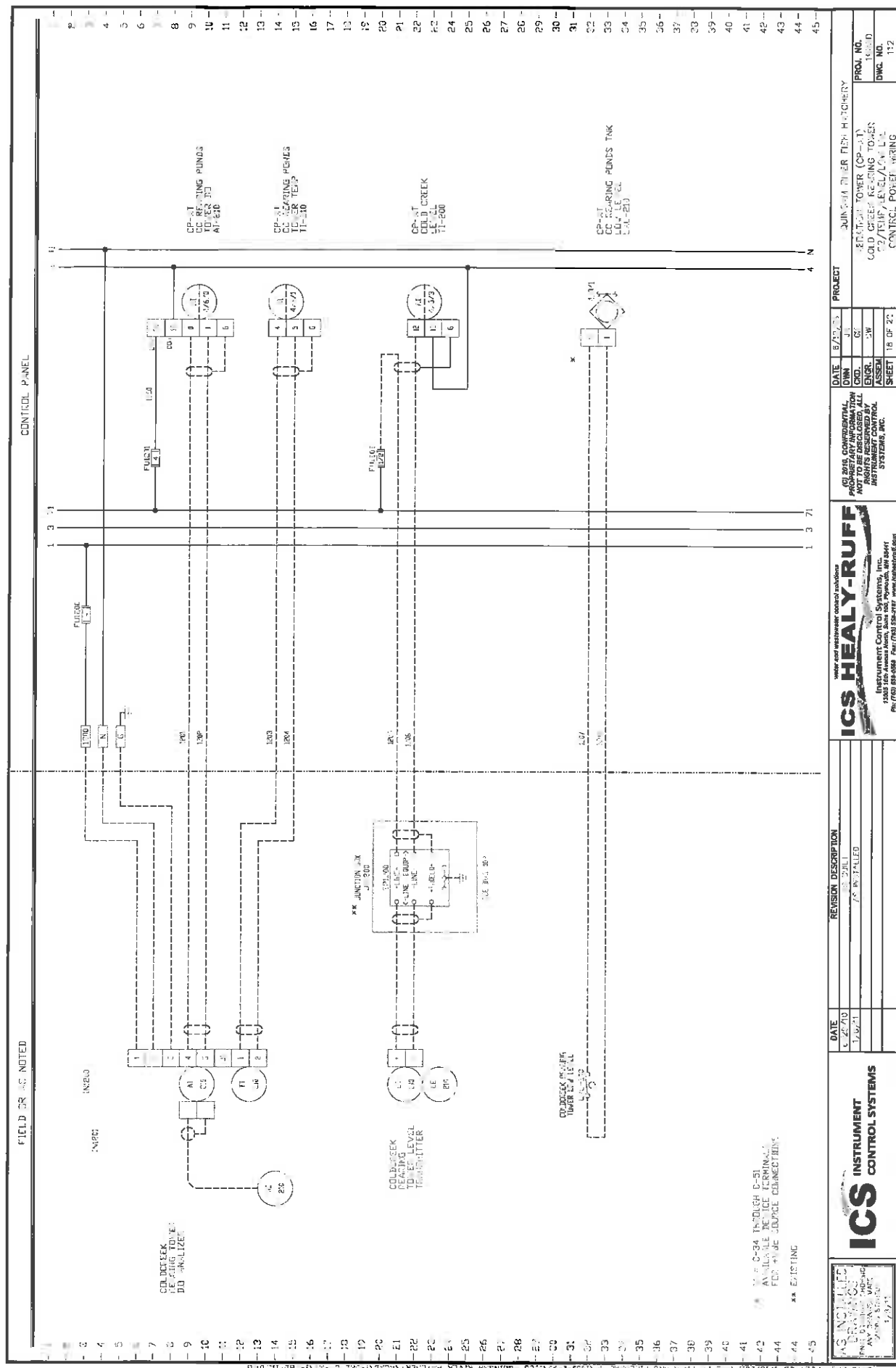


ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1000 West Avenue, Suite 200, Pomona, CA 91768  
Ph: 909-864-0000, Fax: 909-864-0001, Email: sales@healy-ruff.com

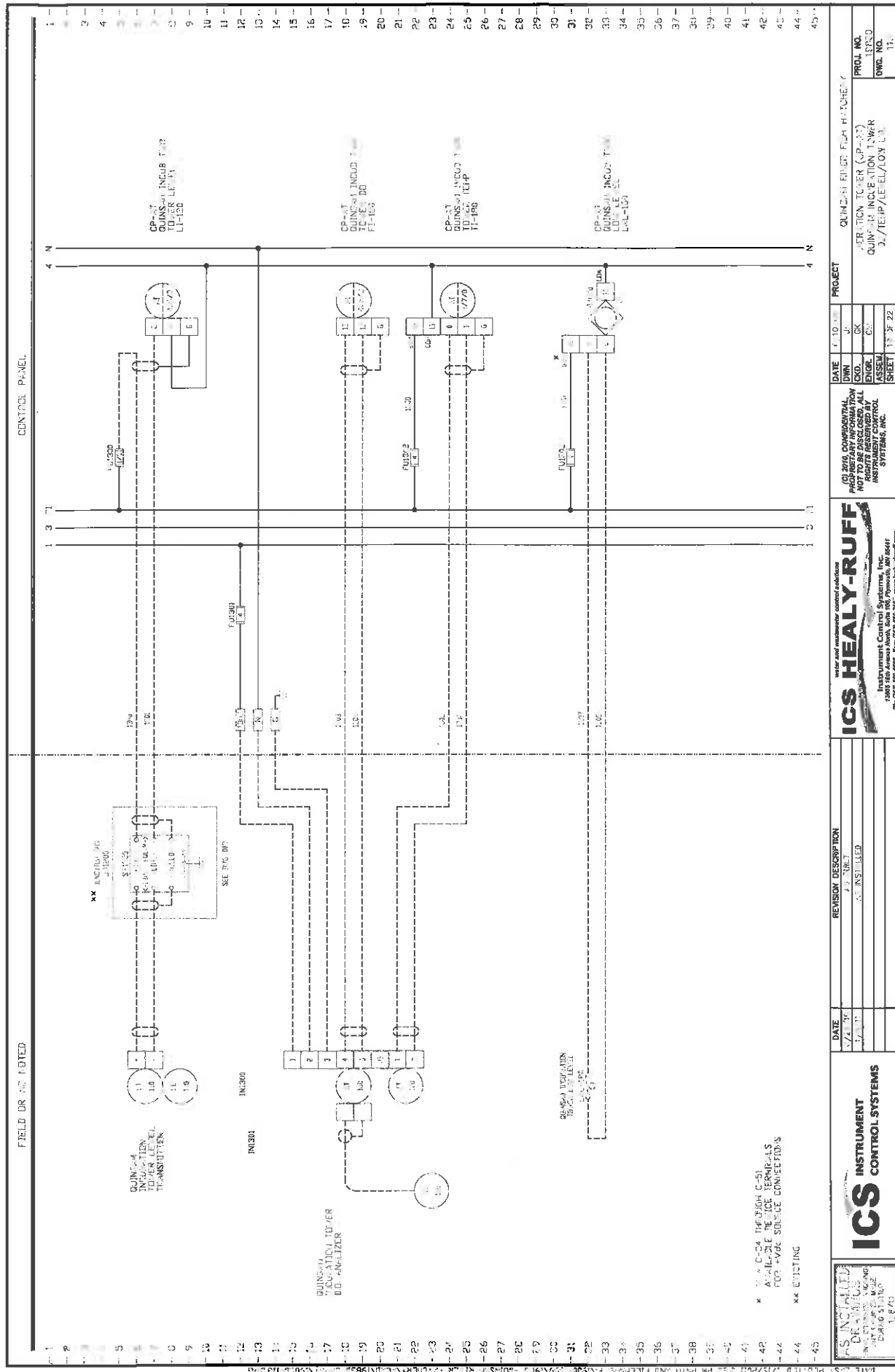
DATE: 8/27/01  
DWG. NO.: 111

PROJECT: COLUMBIAN RIVER FISH HATCHERY  
STATION: TOWER TOP-11  
COLD CREEK TEMPERATURE  
TEMP. TO BASE TIT-200  
CONTROL PANEL WIRING

PROJ. NO.: 111  
DWG. NO.: 111

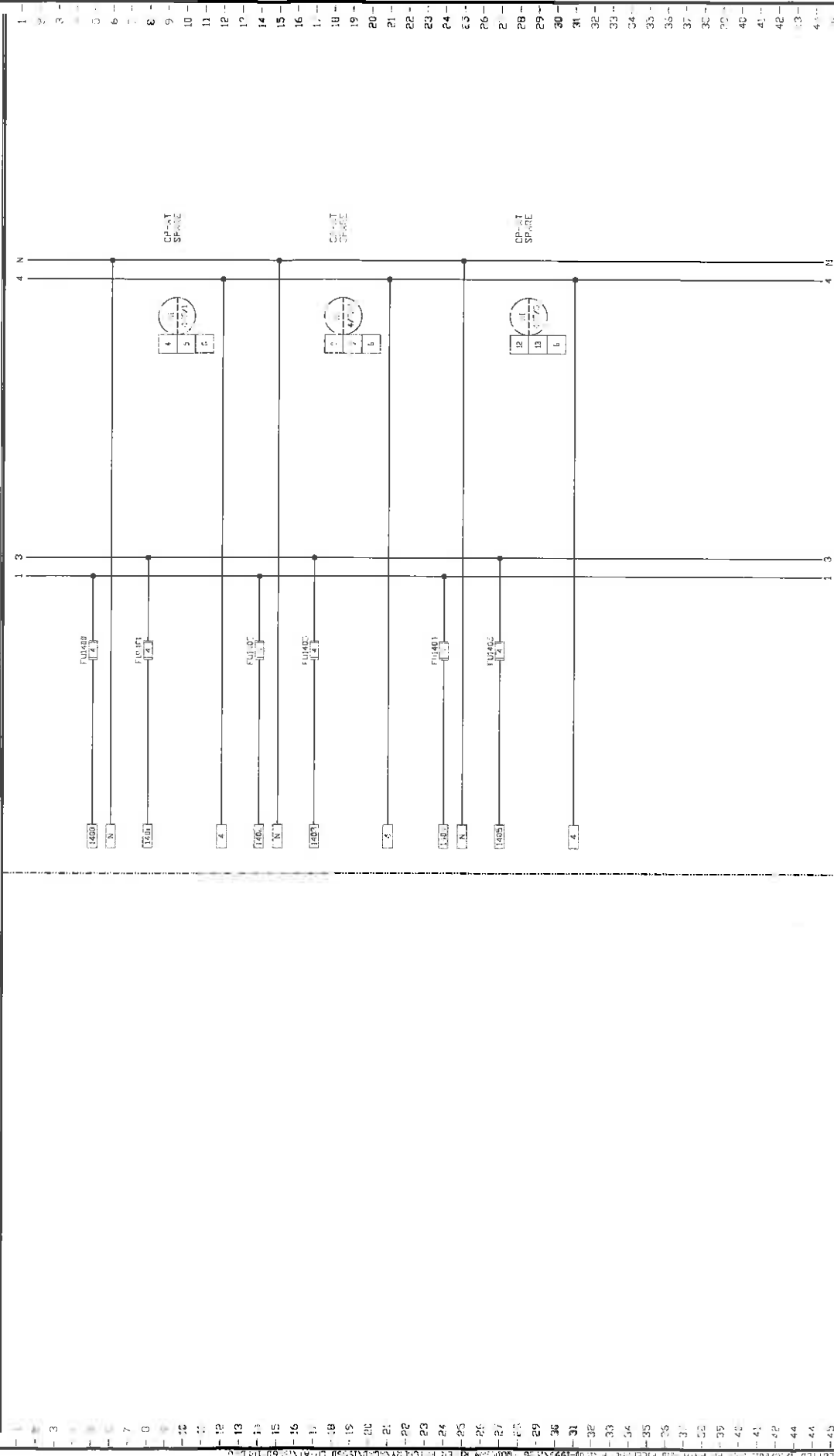






FIELD AND AS NOTED

CONTROL PANEL



<b>AS INSTALLED</b> <b>DRAWINGS</b> P.L.O. H.W.S.S. M. NEW P.L.O. H.W.S.S. M. NEW 1/8" (1)		<b>ICS INSTRUMENT CONTROL SYSTEMS</b>		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91			
<b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 1000 10th Avenue North, Suite 200, Plymouth, MI 48178 PH (313) 766-0000 FAX (313) 766-0000		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91	
<b>PROJECT</b> QUINCY TOWER (CP-RT)		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91	
<b>CONTROL PANEL</b>		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91	
<b>PRJ. NO.</b> 114		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91	
<b>DWG. NO.</b> 114		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91		<b>DATE</b> 1/8/91		<b>REVISION DESCRIPTION</b> 1/8/91 1/8/91 1/8/91	

FIELD NO. IS NOTED

CONTROL PANEL

[illegible]

IS INSTALLED  
OF FINING  
IN L. F. AND SR. AND  
NY. C. AND SR. AND  
FINING. C. AND SR. AND

**ICS** INSTRUMENT CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
5/20/00	AS BUILT
1/10/11	RE-INSTALLED

**ICS HEALY-RUFF**  
water and wastewater control solutions

**Instrument Control Systems, Inc.**  
13005 94th Avenue North, Suite 100, Plymouth, MI 48179  
Ph: (734) 330-0588 Fax: (734) 330-2167 [www.icshealyruff.com](http://www.icshealyruff.com)

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DATE	6/11/22
DWN	
CKD.	GA
ENGR.	GA
ASSEM	
SHEET	21 OF 22

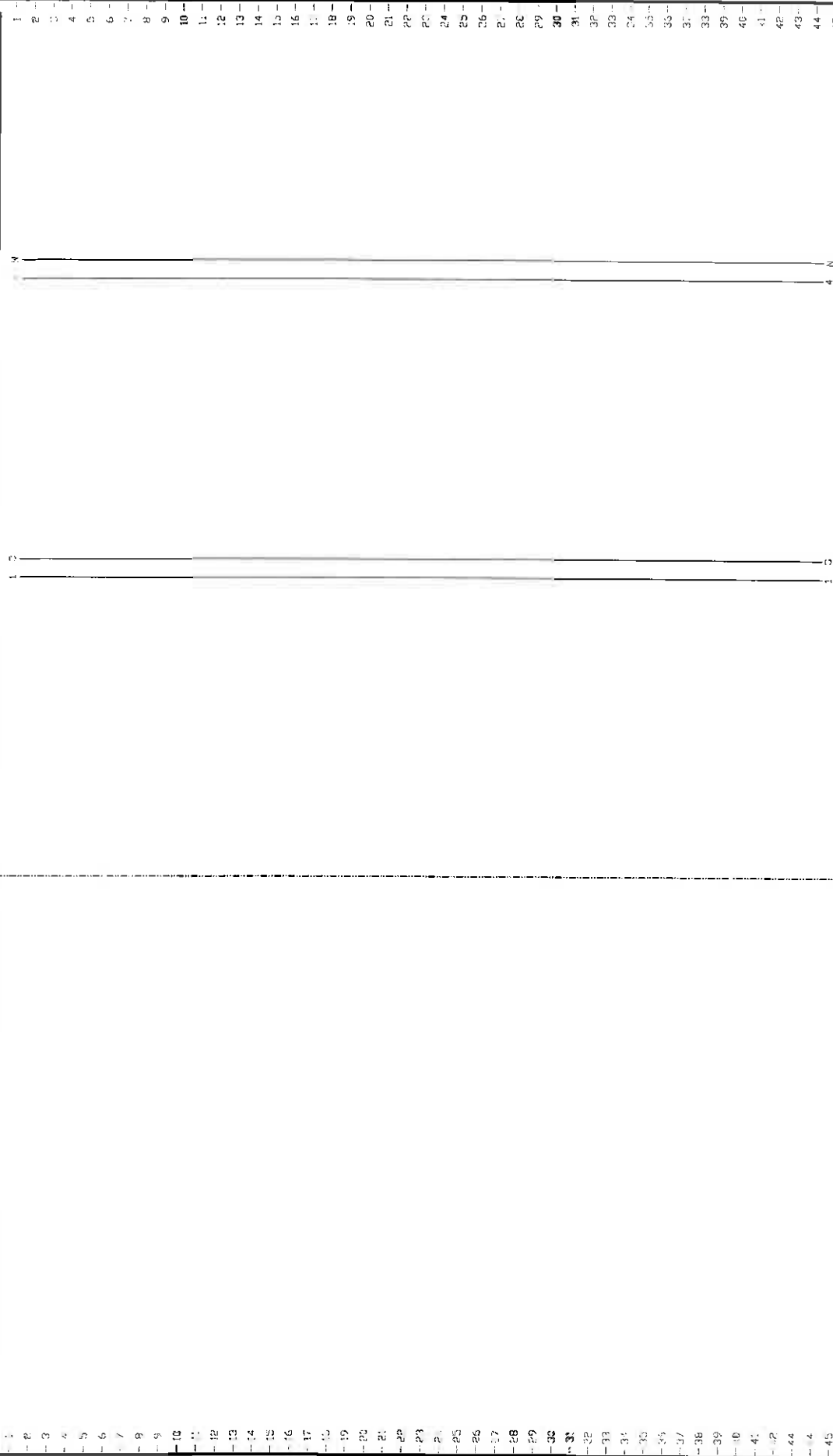
**PROJECT**

QUINCY PIER, FISH HATCHERY  
GENERATION TOWER (CH-10T)  
SEAPORT DIGITAL INPUTS  
CONTROL POWER RIGGING

PROJ. NO.	11150
DWG. NO.	115

FIELD OR AS NOTED

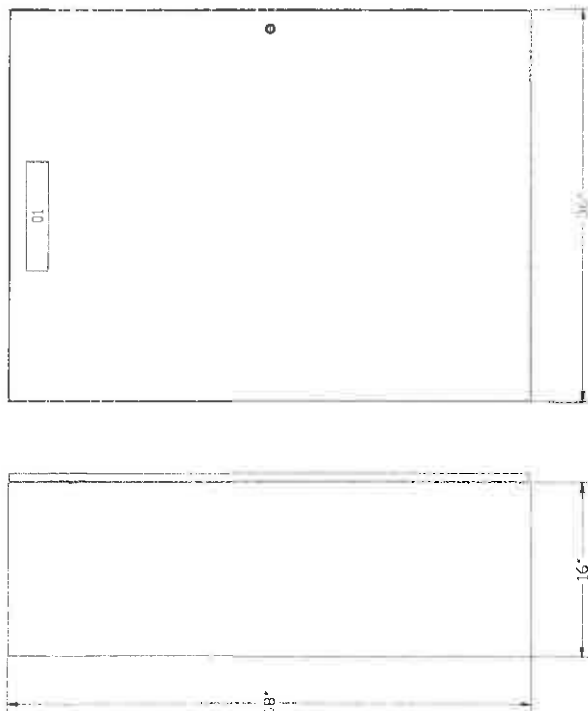
CONTROL PANEL



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS	DATE 6/27/00	REVISION DESCRIPTION 1. 6/27/00 2. 8/1/00 3. 8/1/00
<b>ICS HEALY-RUFF</b> water and wastewater control solutions Instrument Control Systems, Inc. 12401 Hwy 190, Suite 100, Houston, TX 77058 PH: (713) 550-0000 FAX: (713) 550-0001 <a href="http://www.icshealy-ruff.com">www.icshealy-ruff.com</a>	<b>PROJECT</b> QUINCY WATER FILT. PLANT	
	<b>DATE</b> 6/27/00 <b>DESIGN</b> DK <b>ENGR.</b> GJ <b>ASSN.</b> SS WF 22 <b>SHEET</b> 116	
<b>PROJECT</b> QUINCY TOWER (2P-01) S&L DIGITAL OUTPUT CENTRAL POINT WANG		
<b>PROJ. NO.</b> 1160 <b>DWG. NO.</b> 116		

[illegible]

<div><div>ICS</div><div>INSTRUMENT CONTROL SYSTEMS</div></div>	<div>DATE 6/20/10</div> <div>REVISION DESCRIPTION 1. 6/20/10 2. 6/20/10 3. 6/20/10 4. 6/20/10 5. 6/20/10 6. 6/20/10 7. 6/20/10 8. 6/20/10 9. 6/20/10 10. 6/20/10 11. 6/20/10 12. 6/20/10 13. 6/20/10 14. 6/20/10 15. 6/20/10 16. 6/20/10 17. 6/20/10 18. 6/20/10 19. 6/20/10 20. 6/20/10 21. 6/20/10 22. 6/20/10 23. 6/20/10 24. 6/20/10 25. 6/20/10 26. 6/20/10 27. 6/20/10 28. 6/20/10 29. 6/20/10 30. 6/20/10 31. 6/20/10 32. 6/20/10 33. 6/20/10 34. 6/20/10 35. 6/20/10 36. 6/20/10 37. 6/20/10 38. 6/20/10 39. 6/20/10 40. 6/20/10 41. 6/20/10 42. 6/20/10 43. 6/20/10 44. 6/20/10 45. 6/20/10 46. 6/20/10 47. 6/20/10 48. 6/20/10 49. 6/20/10 50. 6/20/10 51. 6/20/10 52. 6/20/10 53. 6/20/10 54. 6/20/10 55. 6/20/10 56. 6/20/10 57. 6/20/10 58. 6/20/10 59. 6/20/10 60. 6/20/10 61. 6/20/10 62. 6/20/10 63. 6/20/10 64. 6/20/10 65. 6/20/10 66. 6/20/10 67. 6/20/10 68. 6/20/10 69. 6/20/10 70. 6/20/10 71. 6/20/10 72. 6/20/10 73. 6/20/10 74. 6/20/10 75. 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NOTES:

1. ENCLOSURE IS A MEMO TYPE 412 CALL-TO-JOINT HOFFMAN CASE 485516, WITH JONAS PAPER, HOFFMAN CP IS 5
2. FINISH IN ANG 64 CRX.
3. JUL 3024



NAMEPLATE SCHEDULE				
TAG	LINE1	LINE2	LINE3	REMARKS
01	CP-CL	CLASSIFIED PANEL	2x10	

NO INSTALLED  
SOLAR PANELS

**ICS** INSTRUMENT CONTROL SYSTEMS

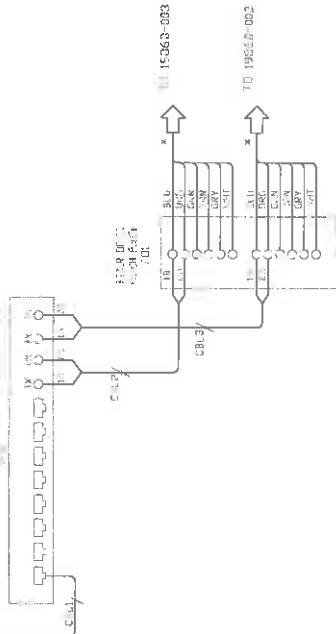
DATE	REVISION DESCRIPTION
2017/7/1	1. 竣工
2017/7/1	2. 完成

water and wastewater control solutions

# ICS HEALY-RUFF

Instrument Control Systems, Inc.  
13005 18th Avenue North, Suite 100, Plymouth, MN 55441

(C) 2010, CONFIDENTIAL PROPRIETARY INFORMATION NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN INSTRUMENT CONTROL SYSTEMS, INC.	DATE	SUBJECT	PROJECT	QUANTUM FLEX H-TOEVEY
	DWN	LSK	CLIFFER (CP-CL)	PROJ NO.
	ENGR	27	ENCLOSURE DETAIL	1286
	ASSEM			DWG. NO.
	SHEET	>		003

[illegible]

HAS INSTALLED  
 DRUMS  
 FIN. & L. INC. ADJUTANT  
 BY J. C. WISE  
 CURVED ST. ST.

**ICS** INSTRUMENT CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
6/28/11	1. PUBL
1/8/11	2. INSTALLED

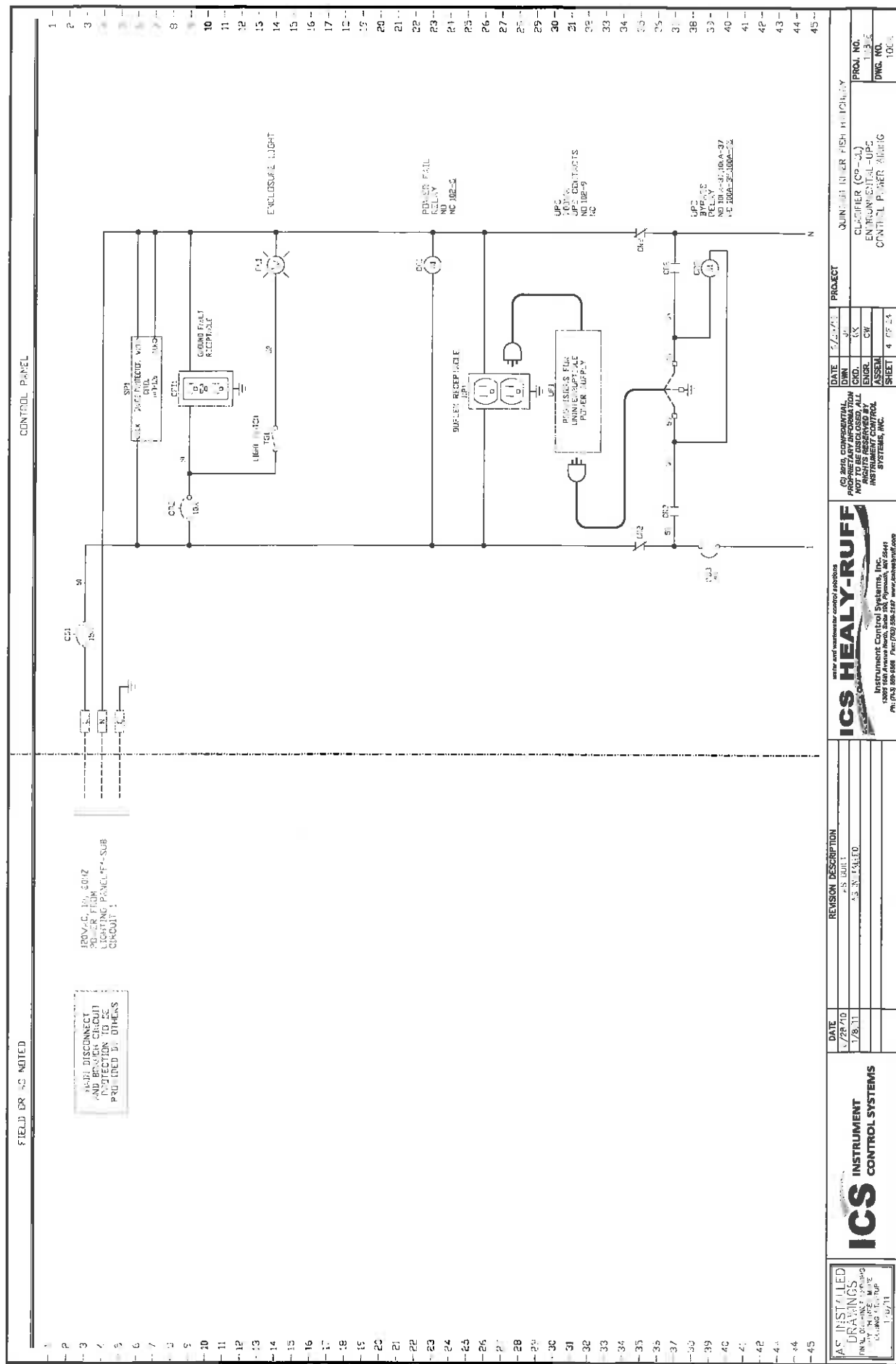
**ICS HEALY-RUFF**  
water and wastewater treatment solutions

**Instrument Control Systems, Inc.**  
13008 14th Avenue North, Suite 100, Plymouth, MI 58441  
PH: (313) 850-0668 FAX: (313) 850-1547 [www.icshealy-ruff.com](http://www.icshealy-ruff.com)

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 INSTRUMENT CONTROL  
 SYSTEMS, INC.

PROJECT	QUINCY RIVER FISH
CLIENT	CLARK (CF-OL)
PLC / SCHEDULE	PLC / SCHEDULE
DATE	DATE
BY	BY
CHK	CHK
APP	APP
DATE	DATE

H. T. CHERY	PROJ. NO.	1048
	DWG. NO.	032

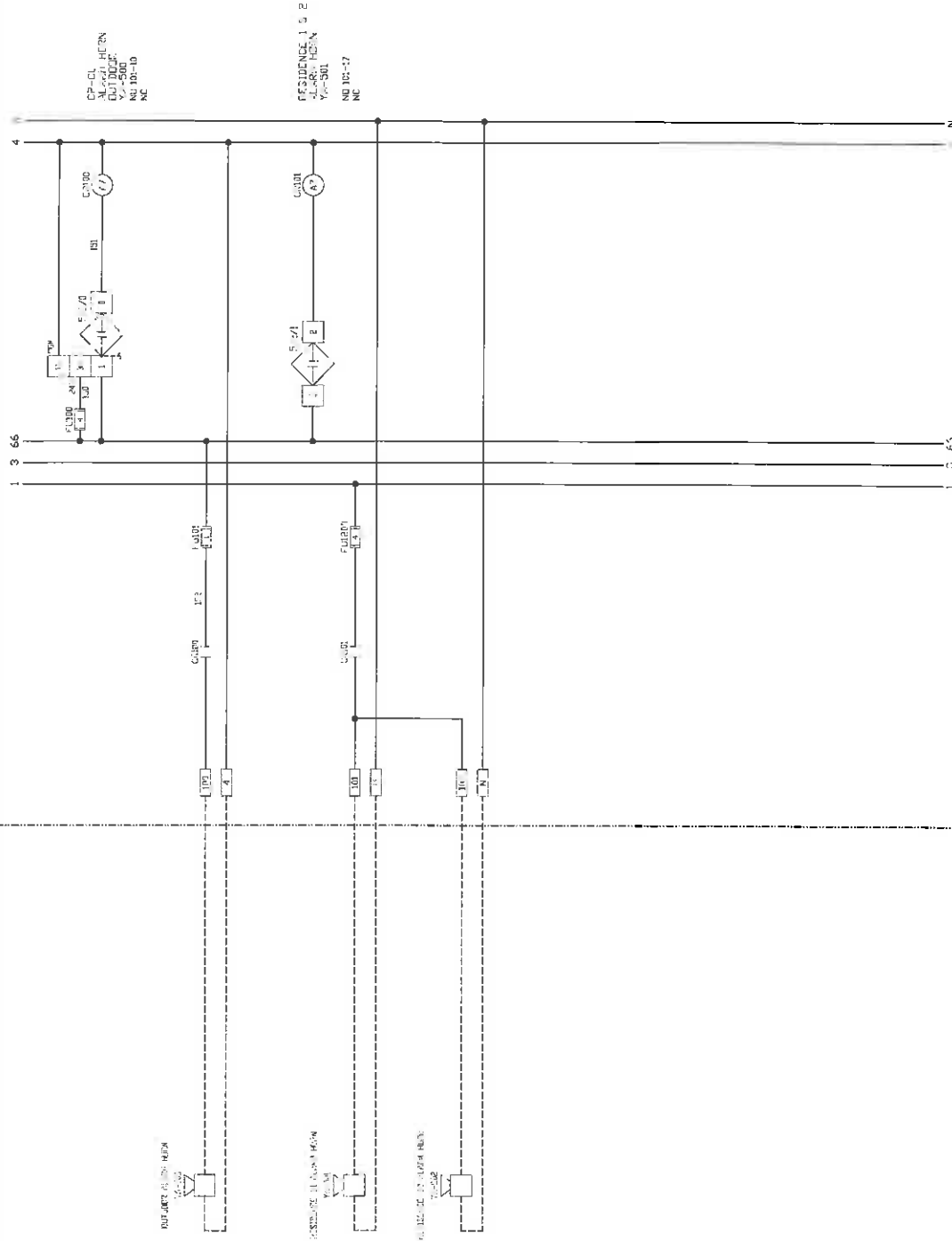






FIELD OR AS NOTED

CONTROL PANEL



NOTED  
DRAWING  
BY  
DATE

ICS  
INSTRUMENT  
CONTROL SYSTEMS

DATE

REVISION DESCRIPTION

ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1000 Lawrence Street, Suite 200, Plymouth, MI 48170  
Ph: (734) 784-0000 Fax: (734) 784-0001 Email: info@healy-ruff.com

ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1000 Lawrence Street, Suite 200, Plymouth, MI 48170  
Ph: (734) 784-0000 Fax: (734) 784-0001 Email: info@healy-ruff.com

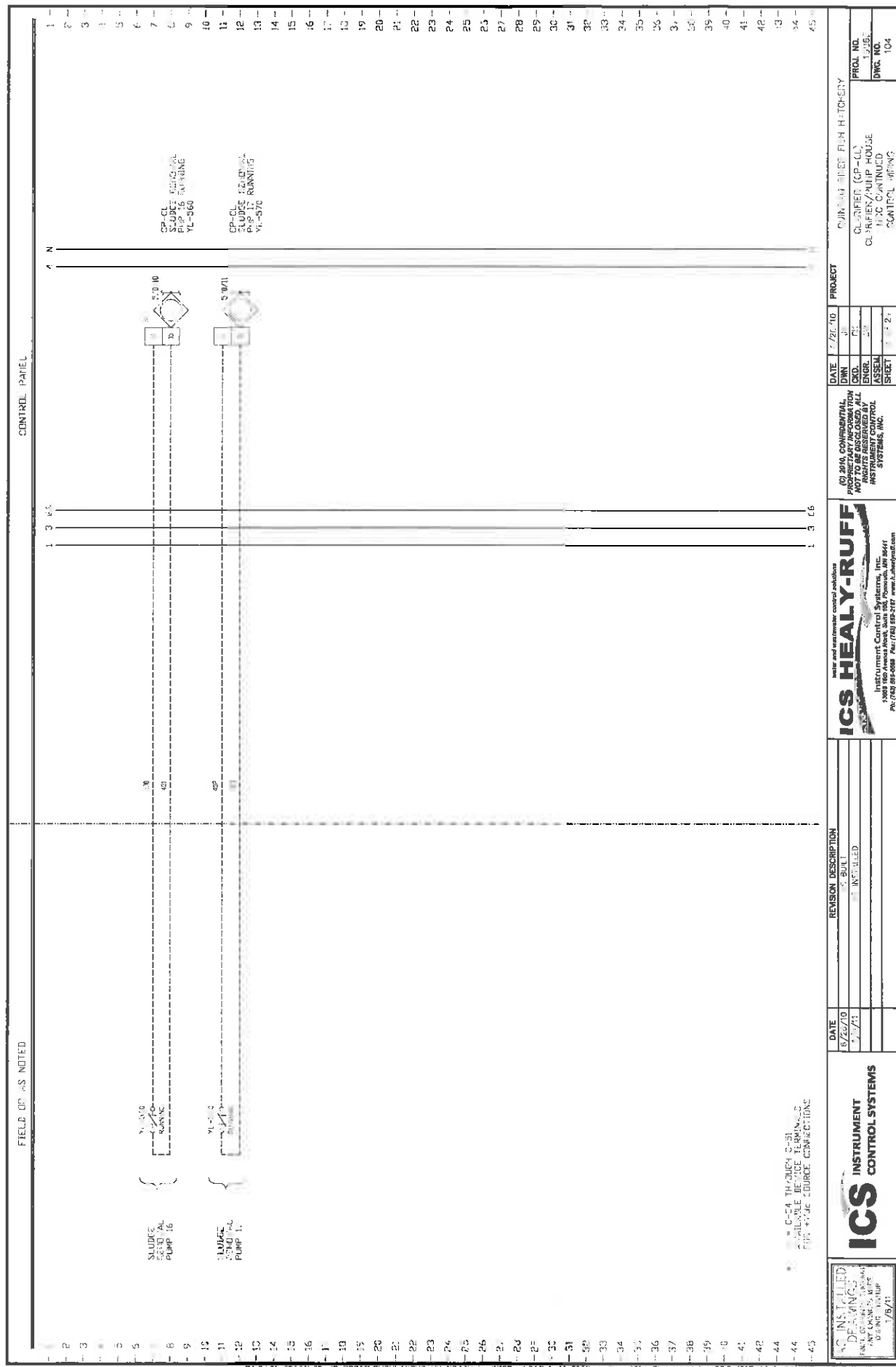
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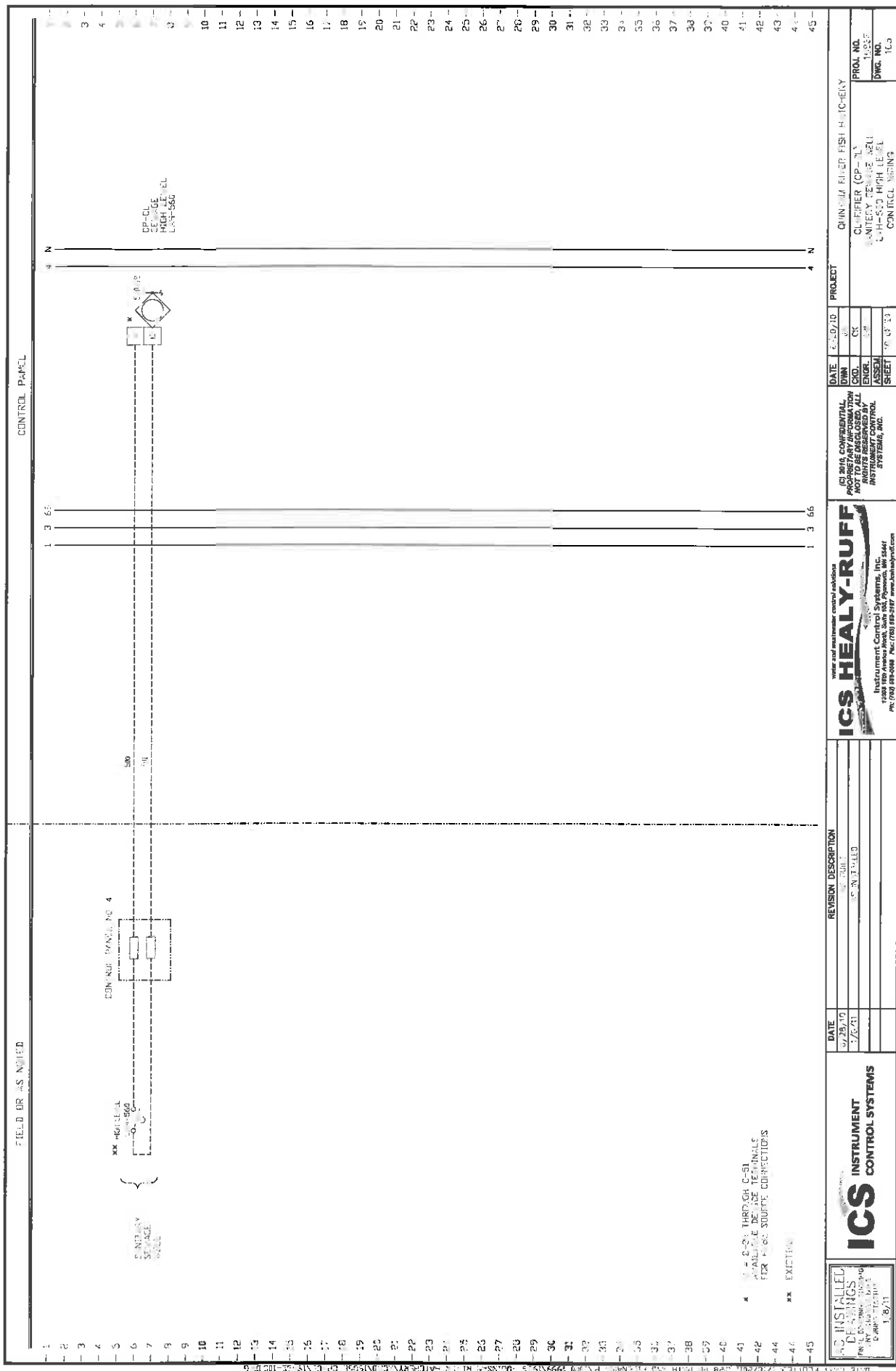
PROJECT

PROJ. NO.  
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DWG. NO.  
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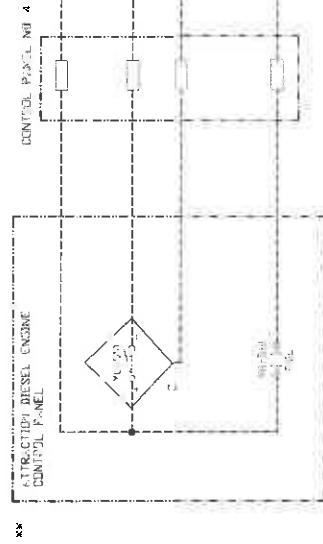






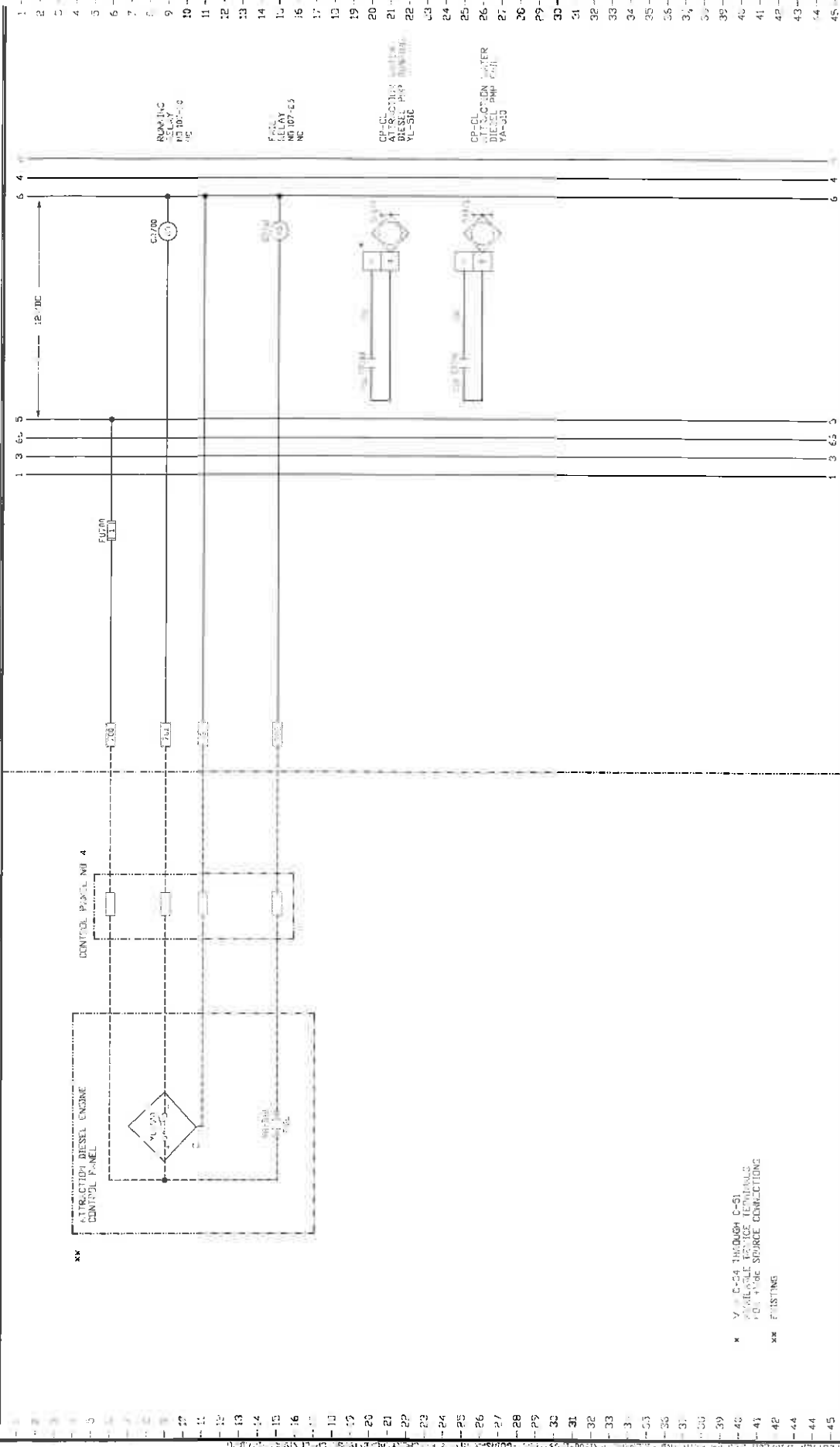
FIELD OR AS NOTED

CONTROL PANEL



XX

\* V-23 THROUGH C-51  
WILL BE USED FOR THE  
FUEL SOURCE CONNECTIONS  
\*\* FUELING



DATE		REVISION DESCRIPTION		DATE		PROJECT	
5/27/79	1	AS BUILT		5/27/79	1	QUINCY DIESEL ENGINE	
5/27/79	2	AS BUILT		5/27/79	2	CLIFFET DIESEL	
				5/27/79	3	ATTITUDE DIESEL	
				5/27/79	4	ENGINE CONTROL	
				5/27/79	5	CONTROL WIRING	

ICS HEALY-RUFF

Instrument Control Systems, Inc.

1805 18th Avenue North, Suite 200, Plymouth, MI 48178

Ph: 734.786.1998 Fax: 734.786.1100 [info@healy-ruff.com](mailto:info@healy-ruff.com)

DATE

5/27/79

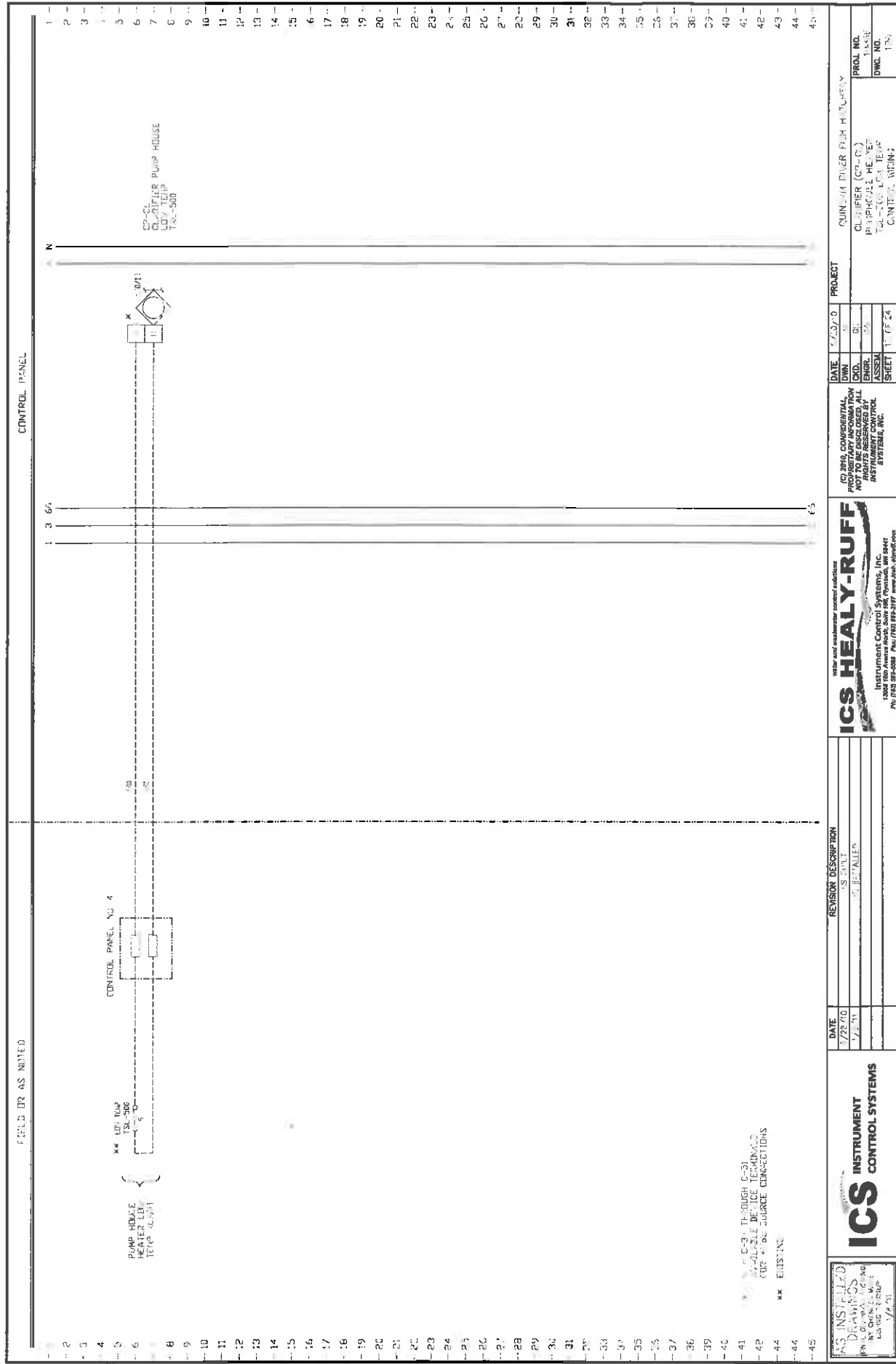
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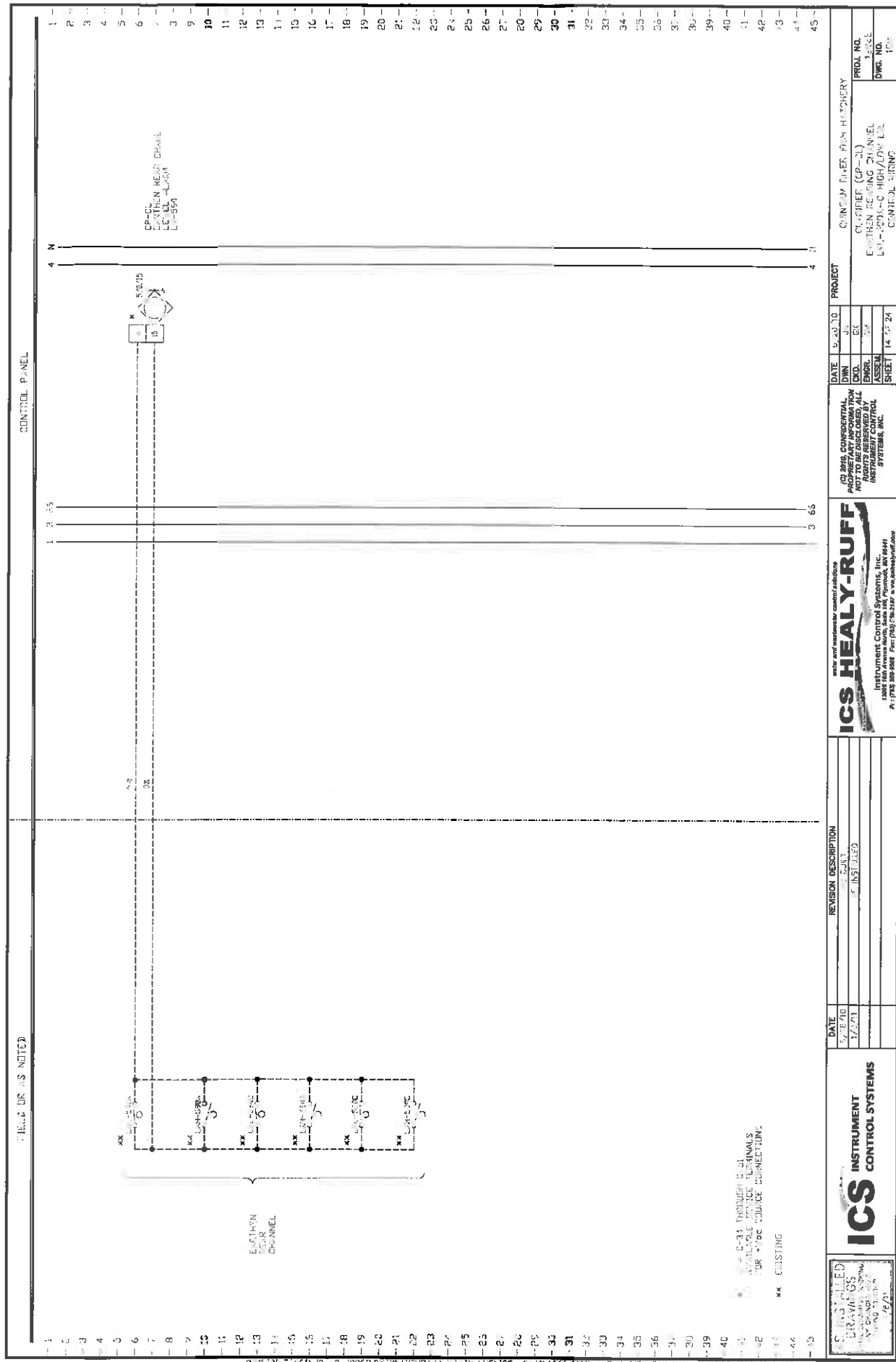
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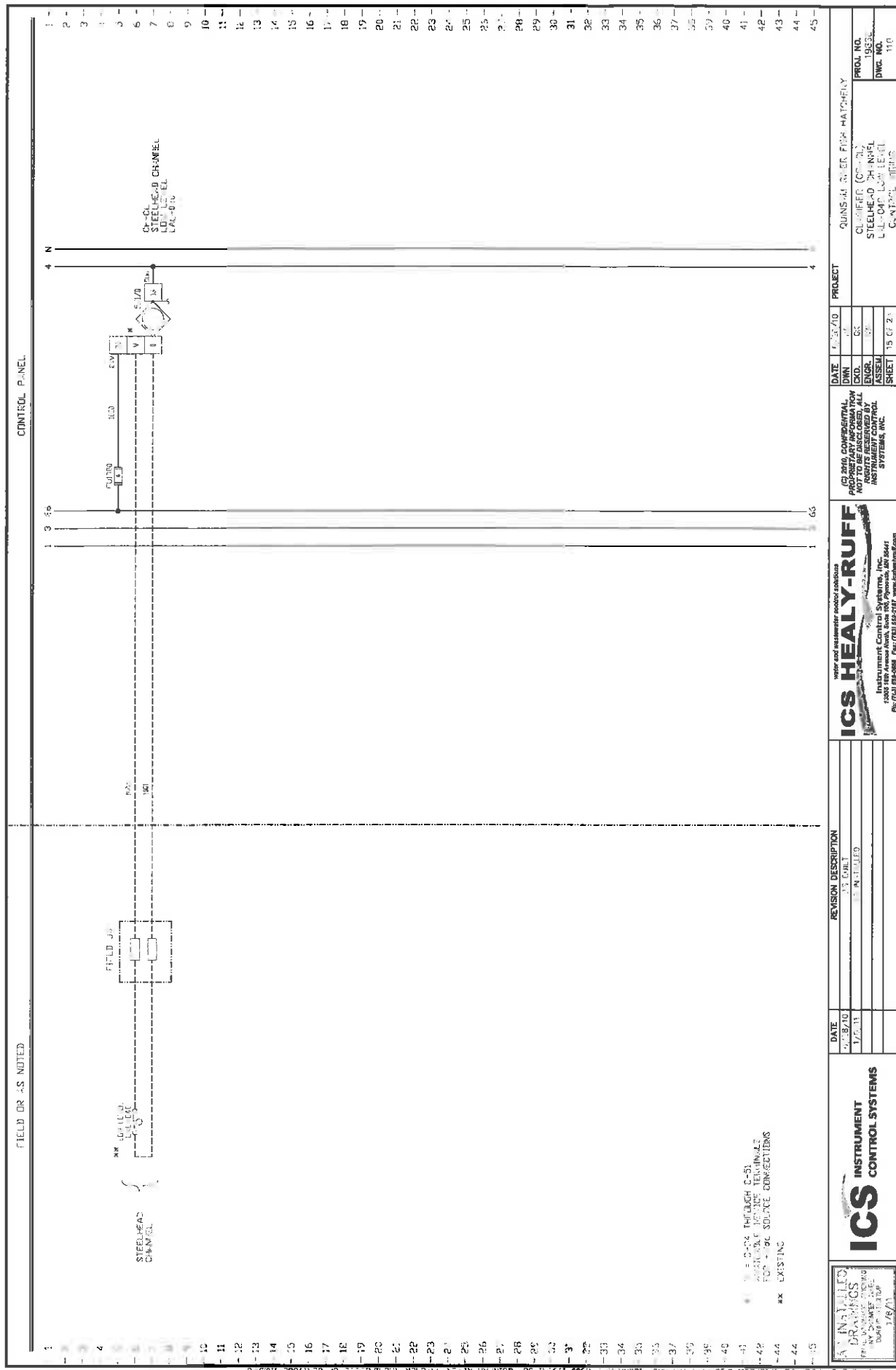
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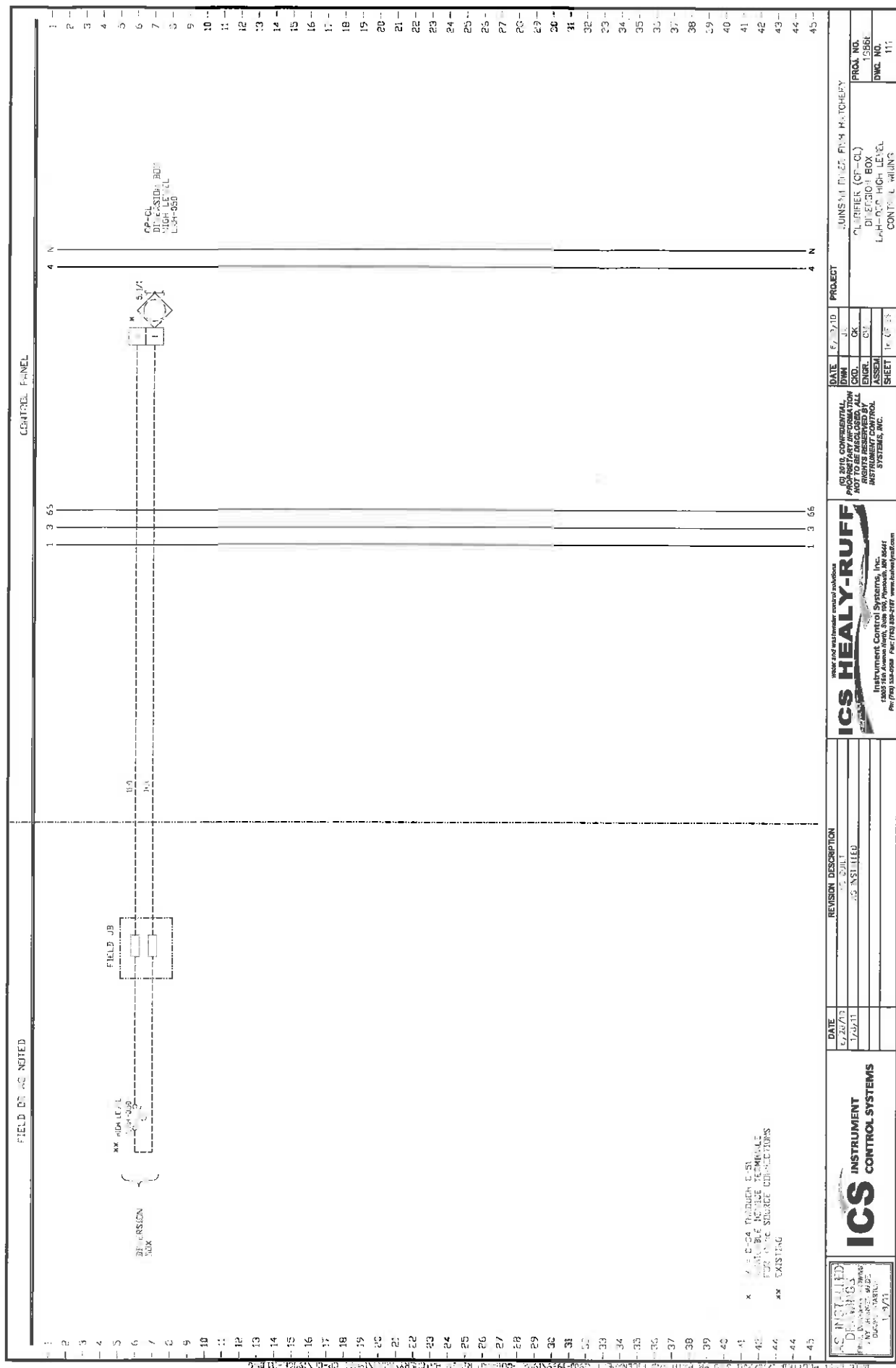
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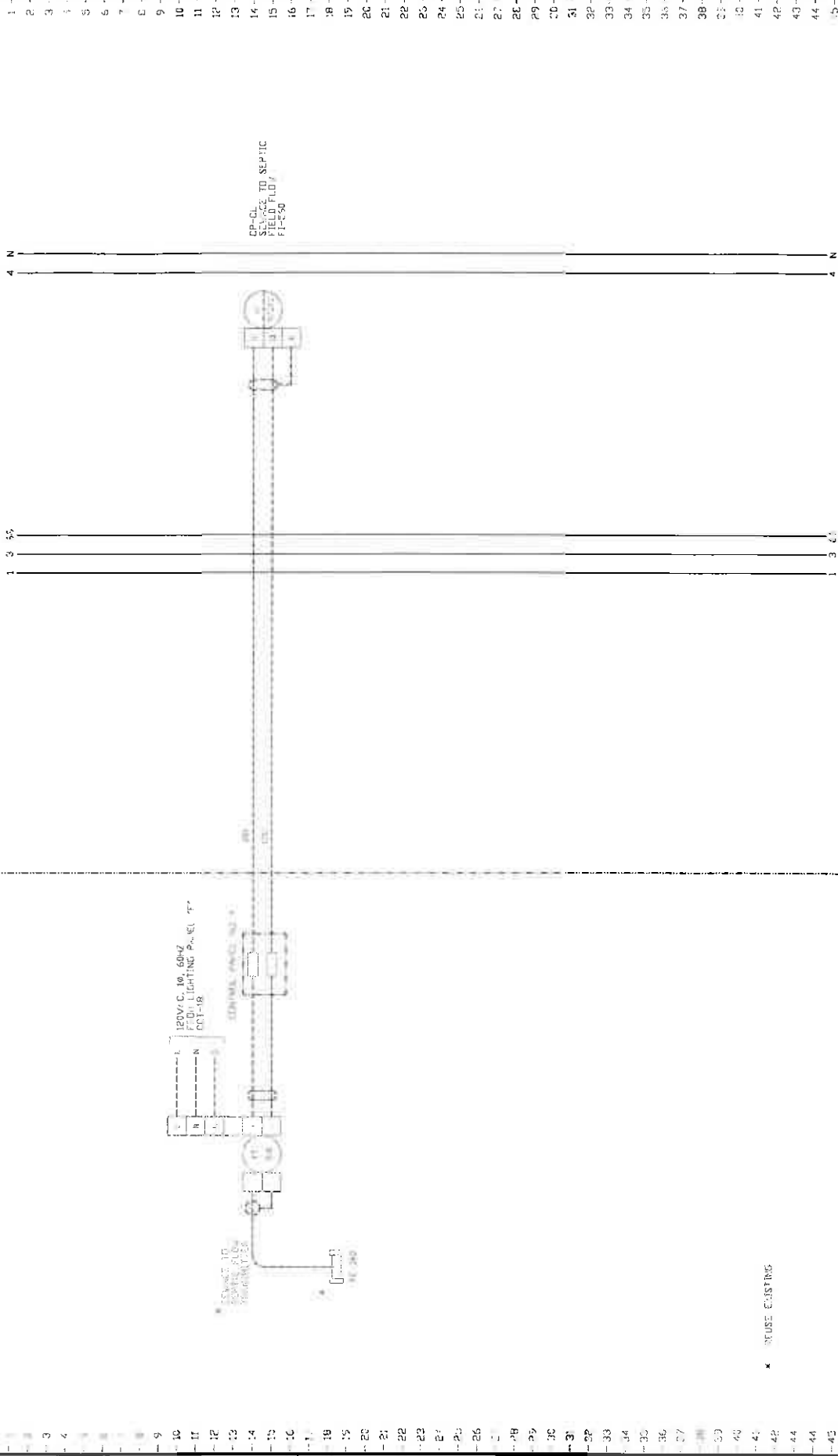


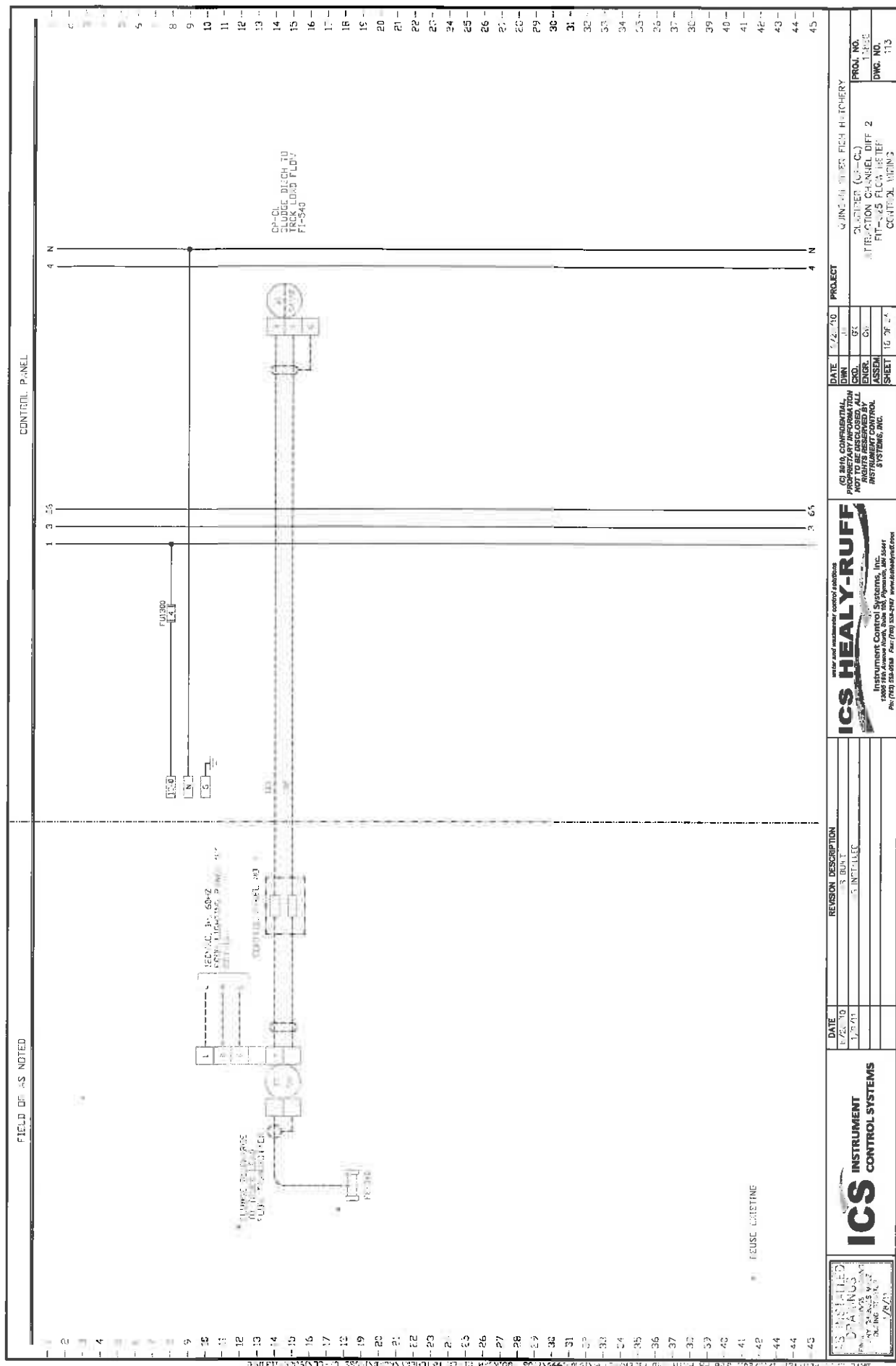




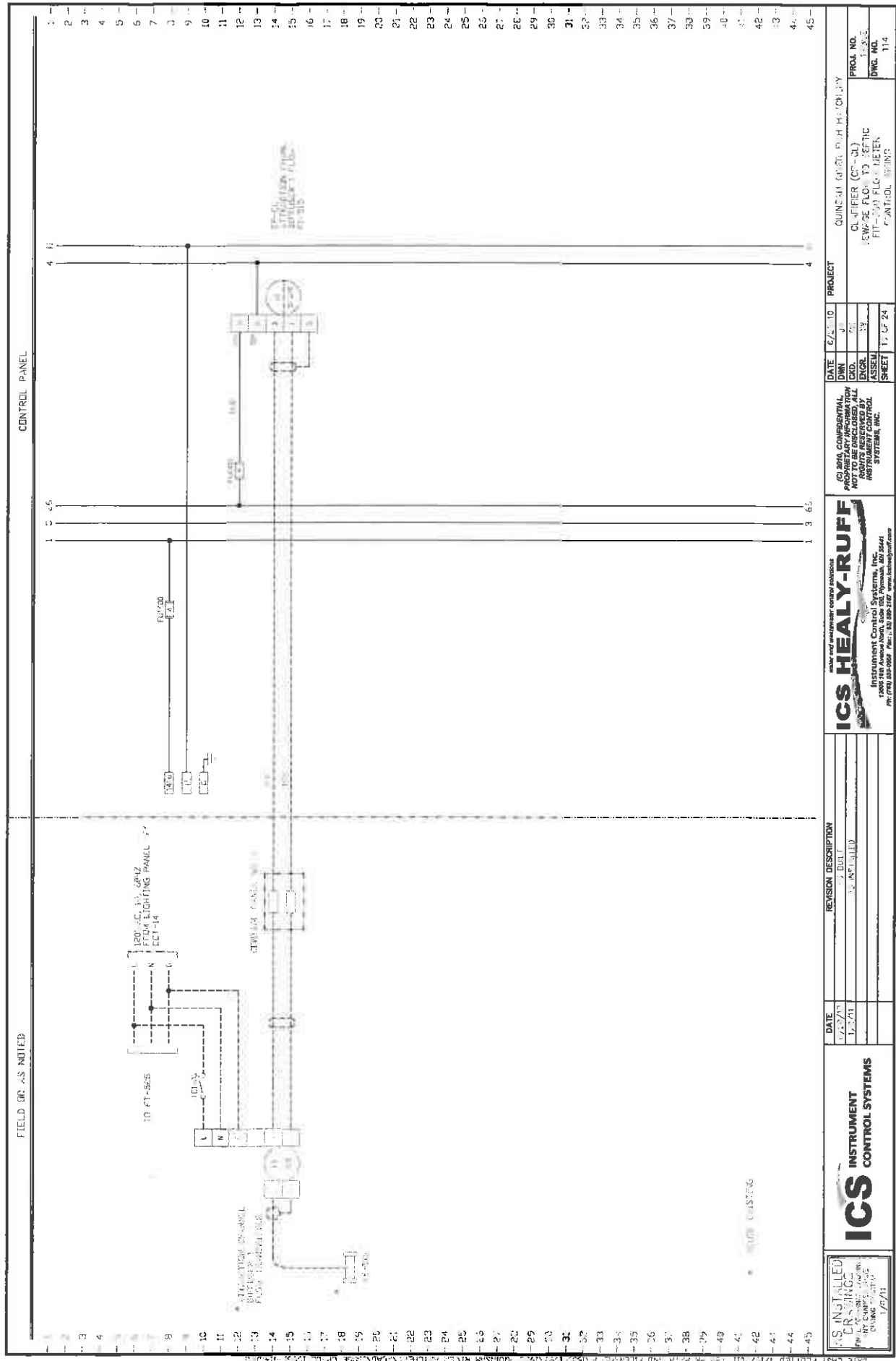
FIELD JOINTS NOTED

CONTROL PANEL





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COPIES  
FBI  
JAN 24 1963  
CLARK  
1/8/63





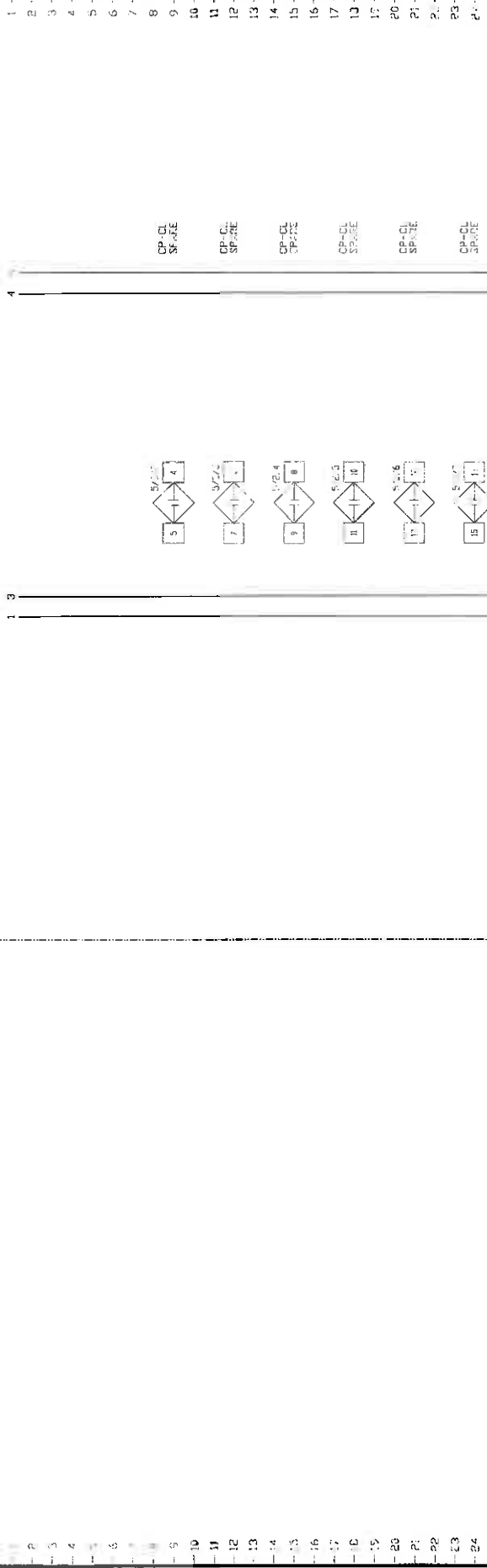






FIELD OR AS NOTED

CONTROL PANEL



5 INSTALLED  
DRAWN BY  
1/8/01

ICS INSTRUMENT  
CONTROL SYSTEMS

DATE  
3/2/01  
1/8/01

REVISION DESCRIPTION  
1.000 1.000

water and wastewater control solutions  
**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
1000 Glenview Road, Suite 200, Naperville, IL 60563  
PH: 630.330.0000 FAX: 630.330.0000 [www.icshealyruff.com](http://www.icshealyruff.com)

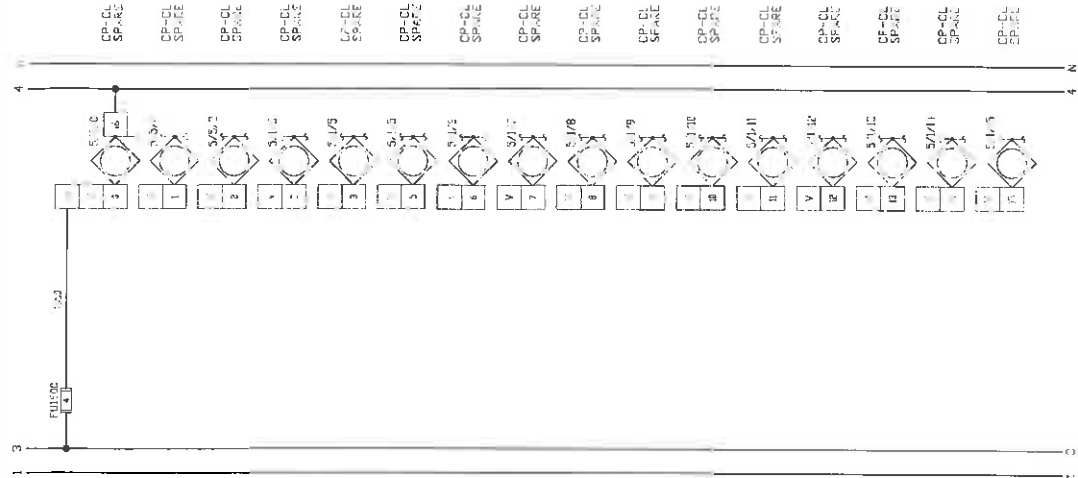
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INSTRUMENT CONTROL  
SYSTEMS, INC.

DATE  
DWG  
ENGR  
SHEET

PROJECT  
QUINSIGAMUNG HIGH RAILWAY  
QUINSIGAMUNG (TP-CL)  
CONCRETE DIGITAL OUTPUTS  
CONTROL WIRING

PROJ. NO.  
198E  
DWG. NO.  
119

CONTROL PANEL



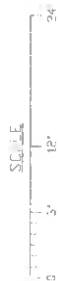


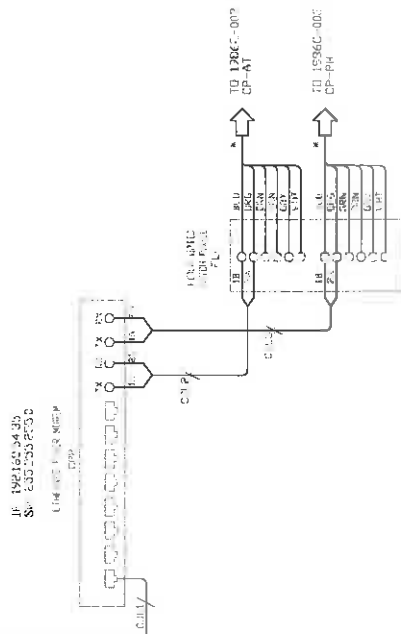


NAMEPLATE SCHEDULE				
TAG	LINE1	LINE2	LINE3	REMARKS
01	CP-DF	DISCLOSURE FENCE	2x10	

NAMEPLATES ARE BLACK WITH WHITE LETTERING

1. ENVELOPE IS NLM, TYPE 41P, ALL, REJUNT HOFFMAN CS2-53616, WITH SWEE, PANEL HOFFMAN CS4036
2. FLASH IS NOT 61 GRAY
3. C. SOE

[illegible]

[illegible]

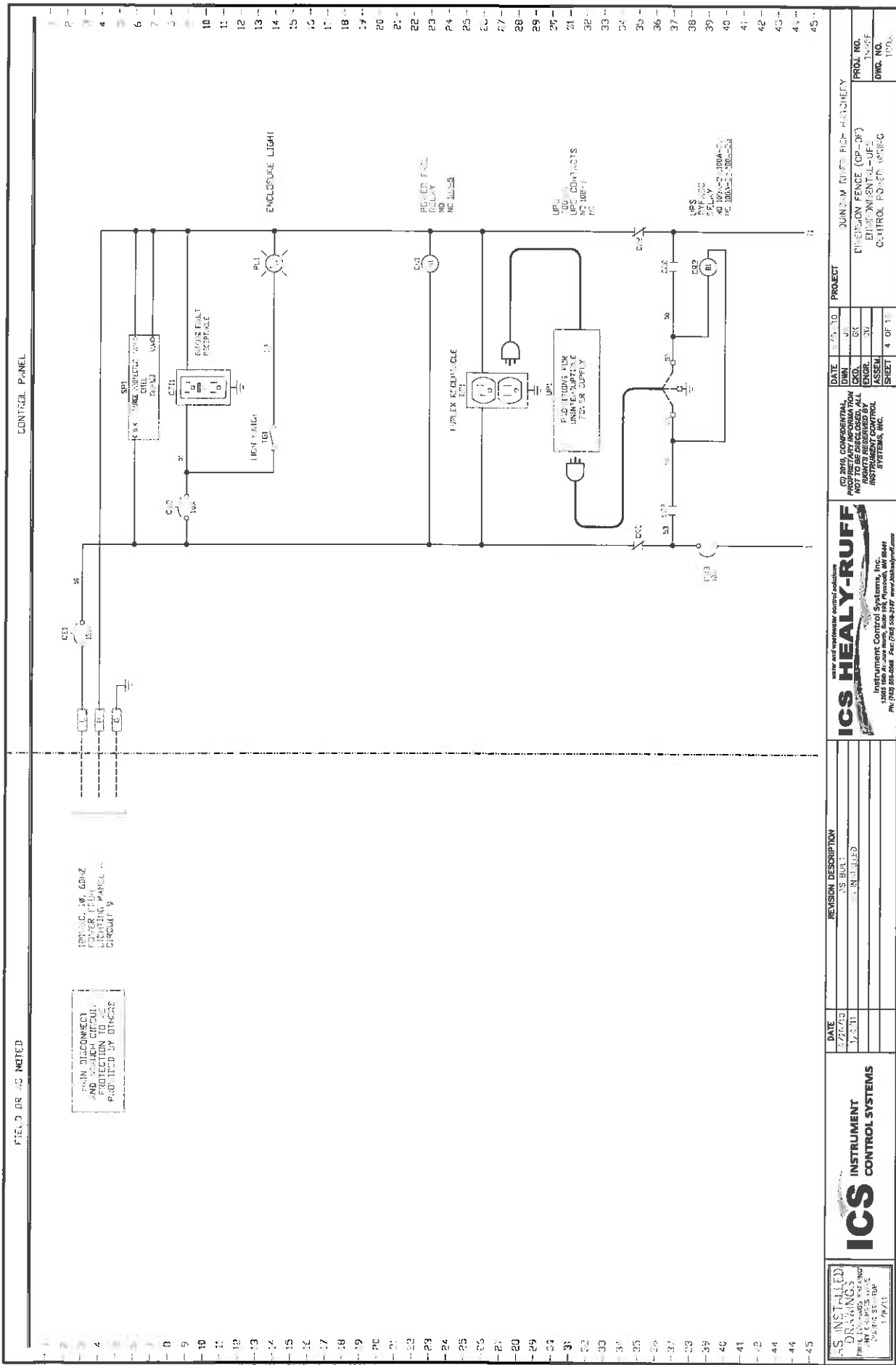
QTY	TAGE	DESCRIPTION	HPG	CATALOG
1	F41	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	ALLEN BRADLEY	1774-AD1
1	N67-40	1/2" FLEX I/O MODULE 1/2" POINT SINKING INPUT, 200-100 E-100-100	ALLEN BRADLEY	1774-AD1
1	P50-11	1/2" FLEX I/O MODULE 1/2" POINT RELAY OUTPUT, 200-100 E-100-100	ALLEN BRADLEY	1774-AD1
1	P50-11	1/2" FLEX I/O MODULE 1/2" POINT RELAY OUTPUT, 200-100 E-100-100	ALLEN BRADLEY	1774-AD1
1	N67-40	1/2" FLEX I/O MODULE 1/2" POINT SINKING INPUT, 200-100 E-100-100	ALLEN BRADLEY	1774-AD1
1	N67-40	1/2" FLEX I/O MODULE 1/2" POINT SINKING INPUT, 200-100 E-100-100	ALLEN BRADLEY	1774-AD1
1	CPR	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	N-TEN	100-100-SC
1	F41	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	SIEMENS COMPANY	6ES7-600-0000
1	F41	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	SIEMENS COMPANY	6ES7-600-0000
1	D41	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	GENERIC	6ES7-600-0000
1	C41	ETHERNET INTERFACE MODULE 100-100 ETHERNET INTERFACE E-100-100	ALLEN BRADLEY	1774-AD1

**ICS HEALY-RUFF**  
water and wastewater control solutions

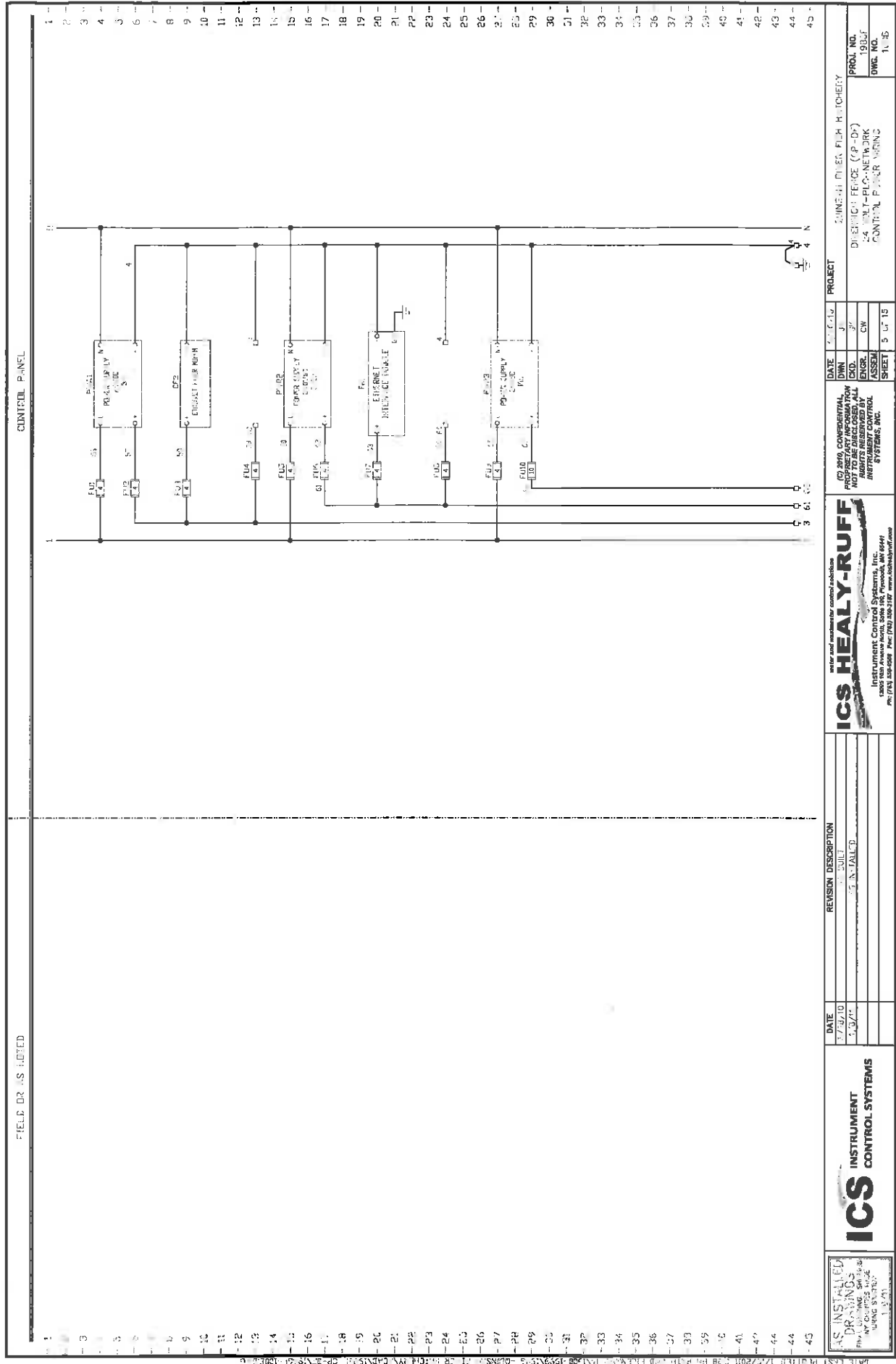
**Instrument Control Systems, Inc.**  
13008 16th Avenue North, Suite 300, Plymouth, MI 48241  
Ph: (734) 859-0968 Fax: (734) 859-2187 [www.instrumentcontrol.com](http://www.instrumentcontrol.com)

DATE	REVISION DESCRIPTION
3/23/10	1. P. 10, 11
1/2/11	2. S. INSTALLED

(C) 8160, CONFIDENTIAL, SUPPLEMENTARY INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. ALL RIGHTS RESERVED BY INSTRUMENT CONTROL SYSTEMS, INC.	DATE	5/23/10	PROJECT	ARMADA RIVER FISH RECOVERY
	DWN	JS		
	DOC	CS		
	ENGR	ST		REVISION FENCE (02-15)
	ASSEM			PLC 1/2 SCHEDULE
	SHEET	3	OF	15
			PROJ. NO.	1-0-0-1
			DWG. NO.	02

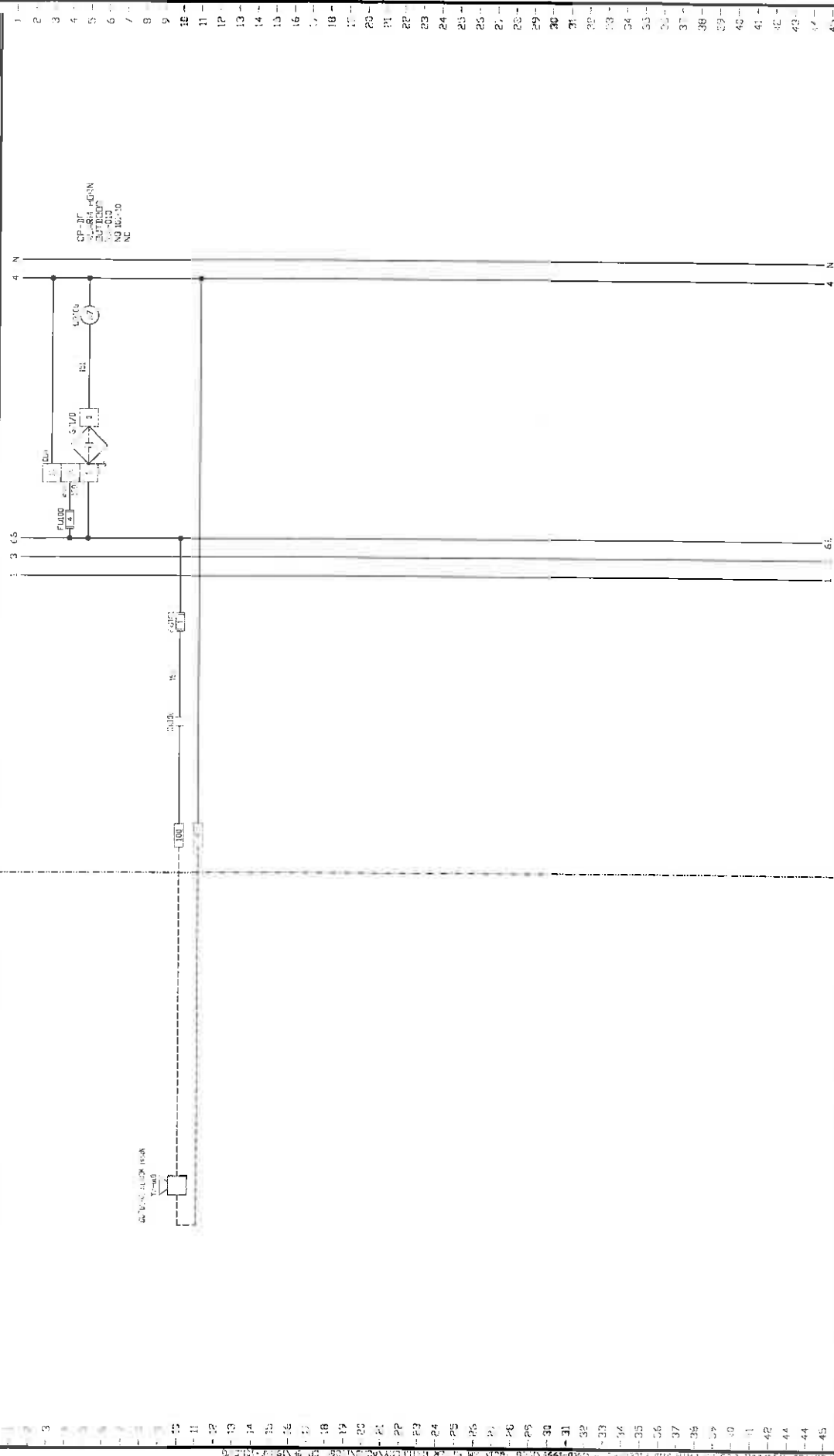






FIELD OR AS NOTED

CONTROL PANEL



DATE 6/28/10 1/2/11	REVISION DESCRIPTION 1. REVISED	DATE 6/28/10 1/2/11	PROJECT JUNIOR ELDER FISH HATCHERY	PROJ. NO. 1000		
IC INSTALL OR WINGS BY 1/2/11		PROJECT JUNIOR ELDER FISH HATCHERY		PROJ. NO. 1000		
IC INSTRUMENT CONTROL SYSTEMS		PROJECT JUNIOR ELDER FISH HATCHERY		DWG. NO. 100		
IC INSTRUMENT CONTROL SYSTEMS		PROJECT JUNIOR ELDER FISH HATCHERY		DWG. NO. 100		

**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
12000 860 Avenue North, Suite 100, Plymouth, MN 55441  
PH: 763.337.0000 FAX: 763.337.0001 www.ics-healy-ruff.com

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SYSTEMS, INC.

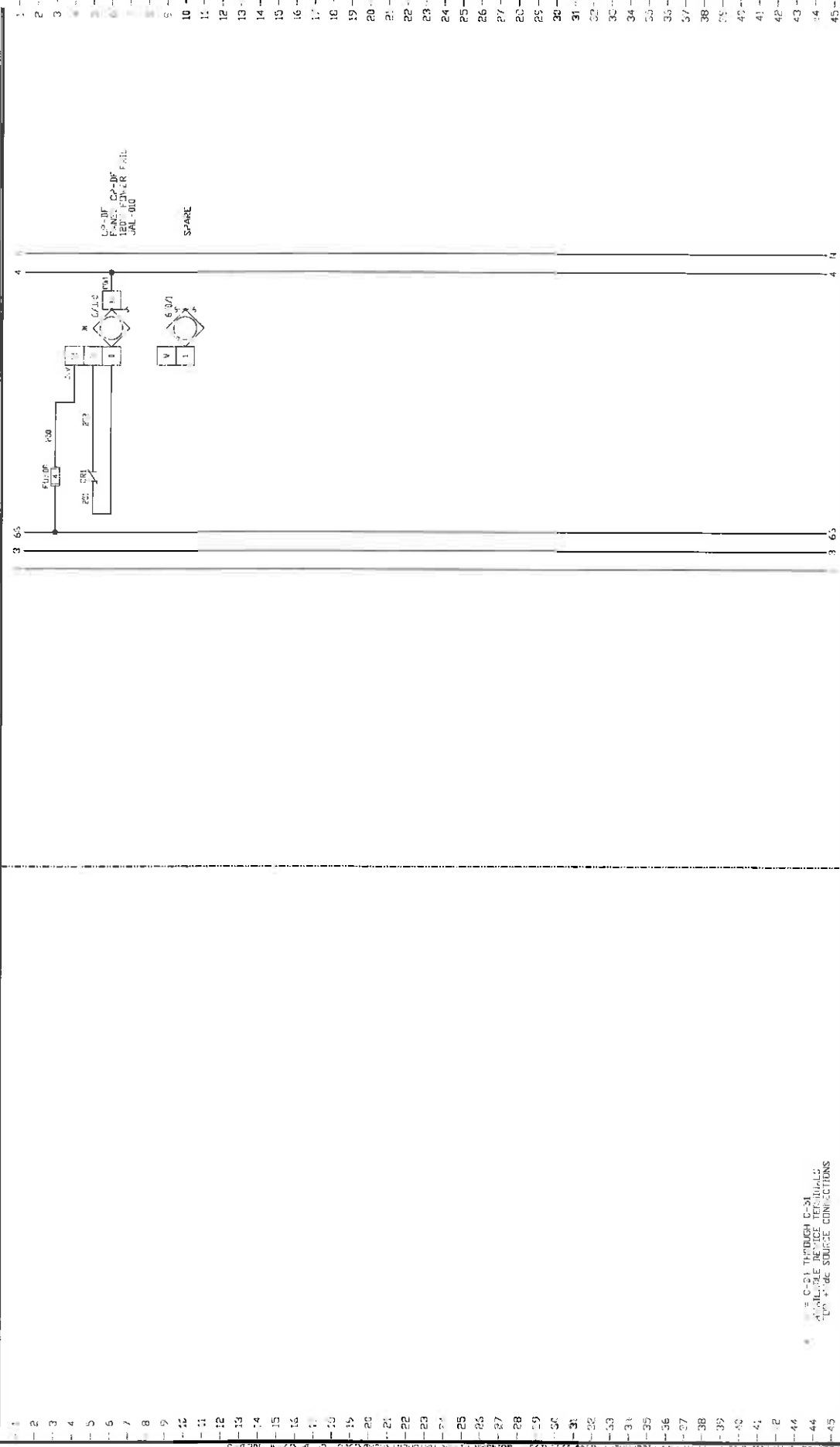
DATE  
6/28/10  
1/2/11 PROJECT JUNIOR ELDER FISH HATCHERY | PROJ. NO. 1000 |

DATE  
6/28/10  
1/2/11 PROJECT JUNIOR ELDER FISH HATCHERY | PROJ. NO. 1000 |



FIELD DR. AS NOTE D

CONTIN. PANEL



DATE 1/26/12		REVISION DESCRIPTION AS BUILT C. HEALY-RUFF		DATE 1/26/12		PROJECT QUINCY RIVER FISH HATCHERY	
1/26/12		1/26/12		1/26/12		DIRECTION FENCE (CP-100)	
1/26/12		1/26/12		1/26/12		FENCE (CP-100)	
1/26/12		1/26/12		1/26/12		CONT. L FENCE WIRING	
1/26/12		1/26/12		1/26/12		PROJECT NO. 1035F	
1/26/12		1/26/12		1/26/12		DWG. NO. 102	

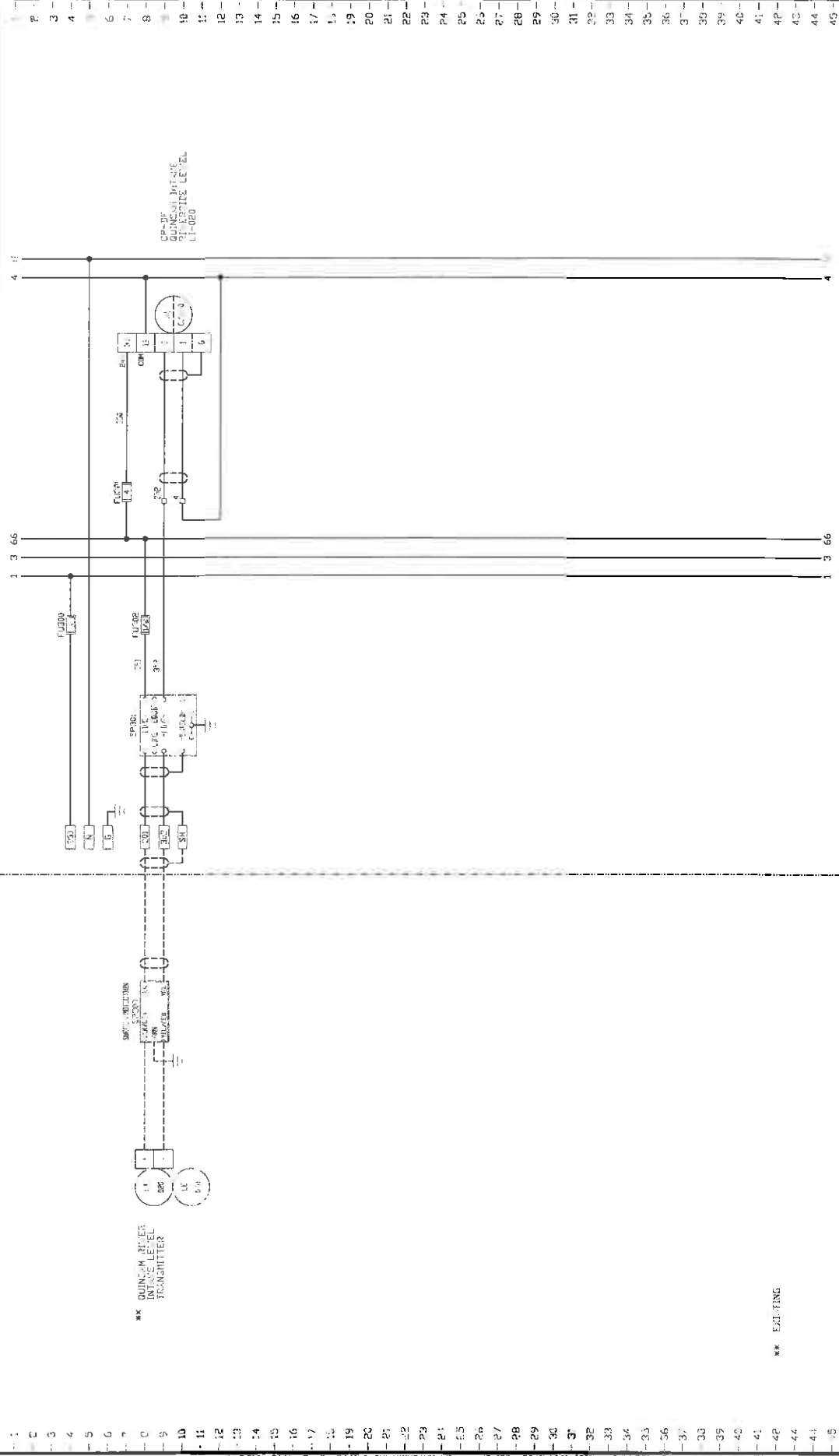
**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
1000 1st Avenue North, Suite 100, Minneapolis, MN 55441  
Ph: (612) 338-8888 Fax: (612) 338-8888 www.icshealy-ruff.com

**ICS INSTRUMENT CONTROL SYSTEMS**

AS INSTALLED  
DRAWINGS  
PROJECT NO. 1035F  
DATE: 1/26/12

FIELD OR AS NOTED

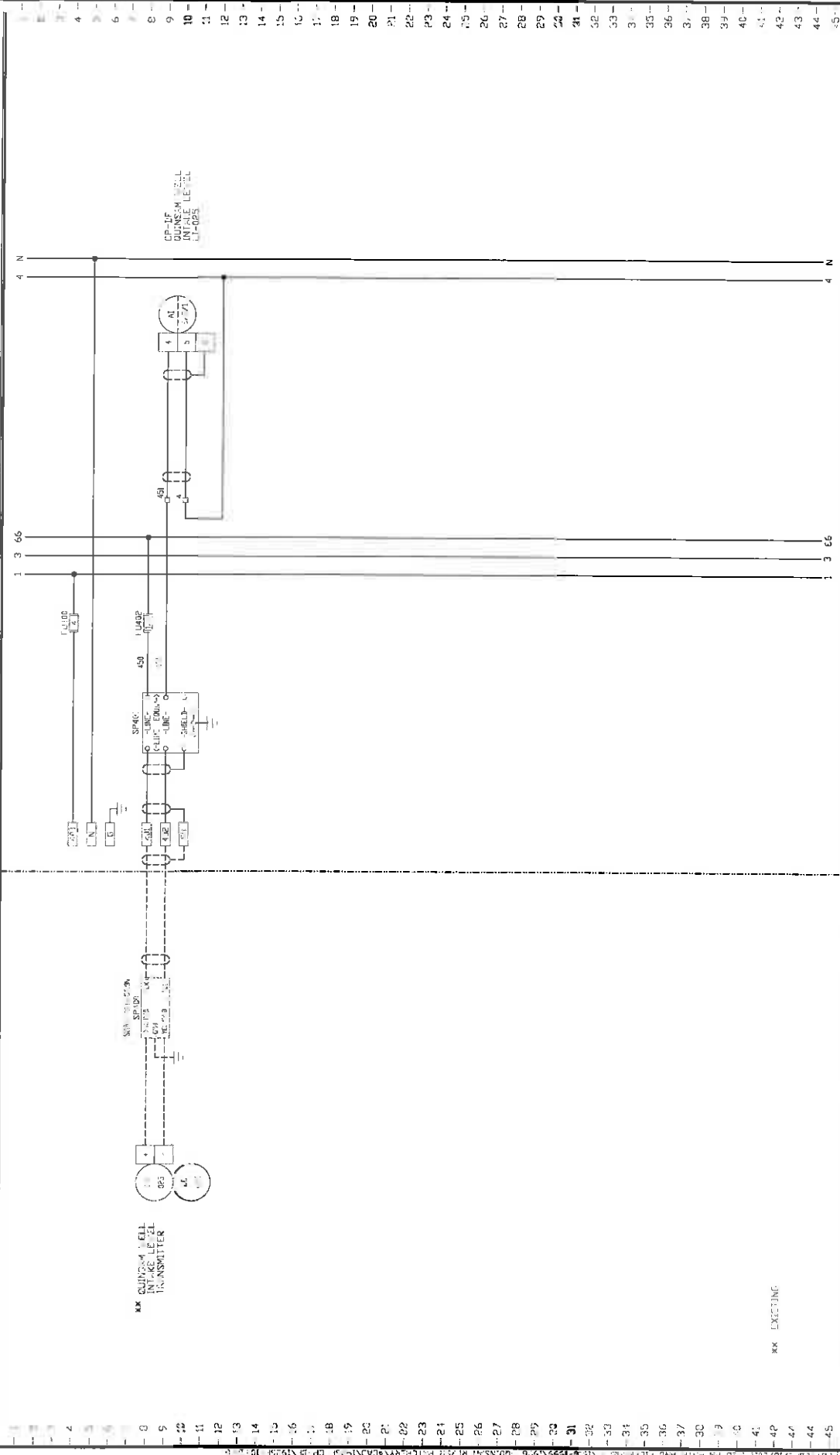
CONTROL PANEL



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS	DATE 6/3/01	REVISION DESCRIPTION 2.0.0.0	<b>ICS HEALY-RUFF</b> water and wastewater control solutions Instrument Control Systems, Inc. 5000 16th Avenue North, Suite 100, Plymouth, MN 55441 Ph: (763) 536-0000 Fax: (763) 536-3700 www.icshealyruff.com	<b>PROJECT</b> QUINCHAM METER FISH PROTECTION ELEVATION TOWER (CP-DF) INTAKE PRESSURE TOWER LIT-054 LEV. TOWER CONTROL WIRING	SHEET 1 OF 15	DWG. NO. 103
	DATE 5/2/01	REVISION DESCRIPTION 2.0.0.0				

FIELD OR AS NOTED

CUMT-KEL PANEL

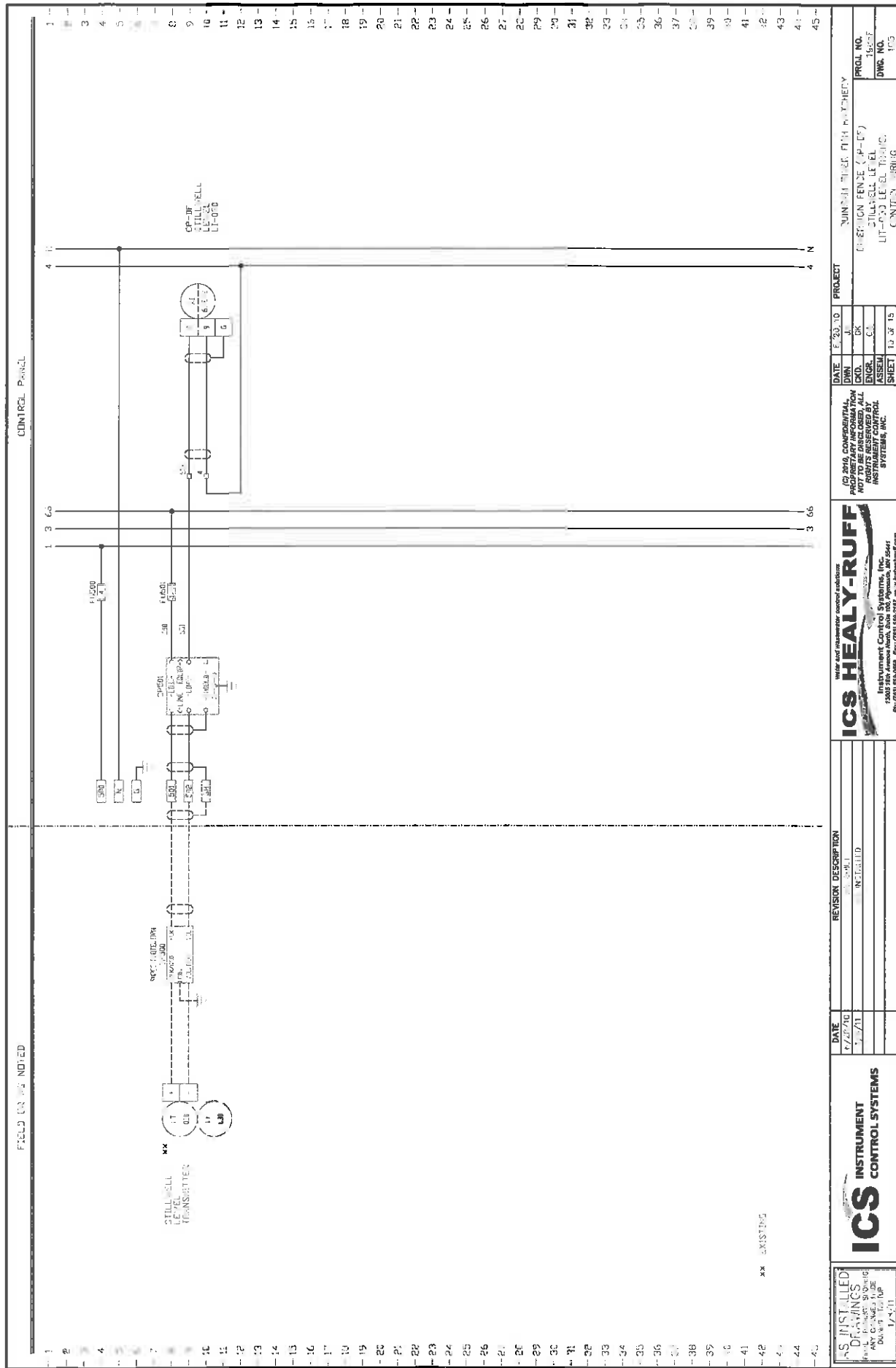


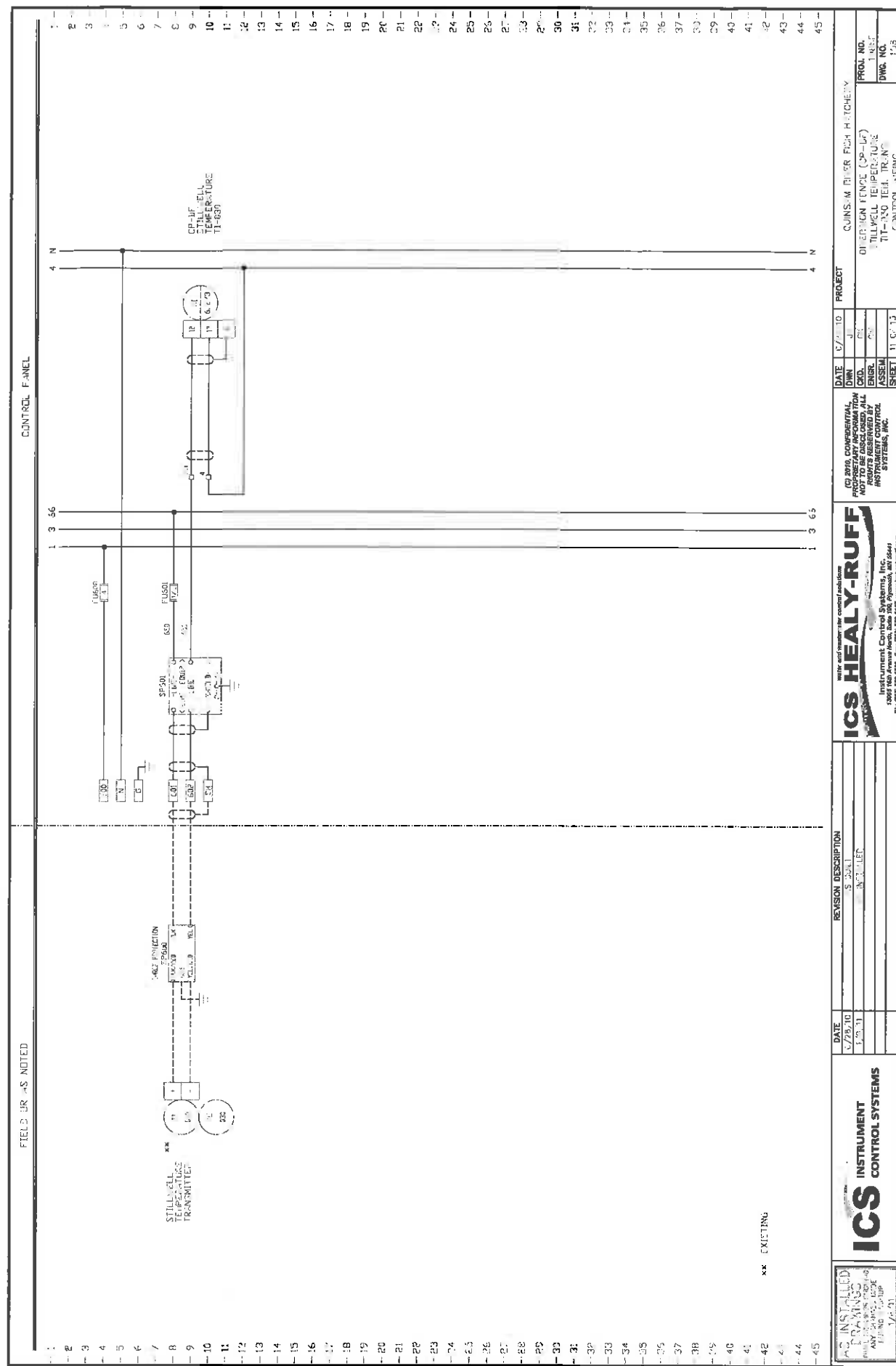
DATE 9/26/11		REVISION DESCRIPTION 1. 1/1/11 2. 1/1/11		DATE 9/26/11		PROJECT QUINCY RIVER FISH HATCHERY	
9/26/11		1/1/11		1/1/11		ELEVATION ETC (CP-1F)	
1/1/11		1/1/11		1/1/11		INSTRUMENT CONTROL	
1/1/11		1/1/11		1/1/11		LIT-CIT LEVEL TR. ANL.	
1/1/11		1/1/11		1/1/11		CONTROL WIRING	
1/1/11		1/1/11		1/1/11		PROJ. NO.	
1/1/11		1/1/11		1/1/11		DWG. NO.	
1/1/11		1/1/11		1/1/11		1/1/11	

**ICS HEALY-RUFF**  
Water and wastewater control solutions  
Instrument Control Systems, Inc.  
1000 West Avenue North, Suite 100, Plymouth, MN 55441  
Phone: 763.231.1111 Fax: 763.231.1112 Email: sales@icshealy-ruff.com

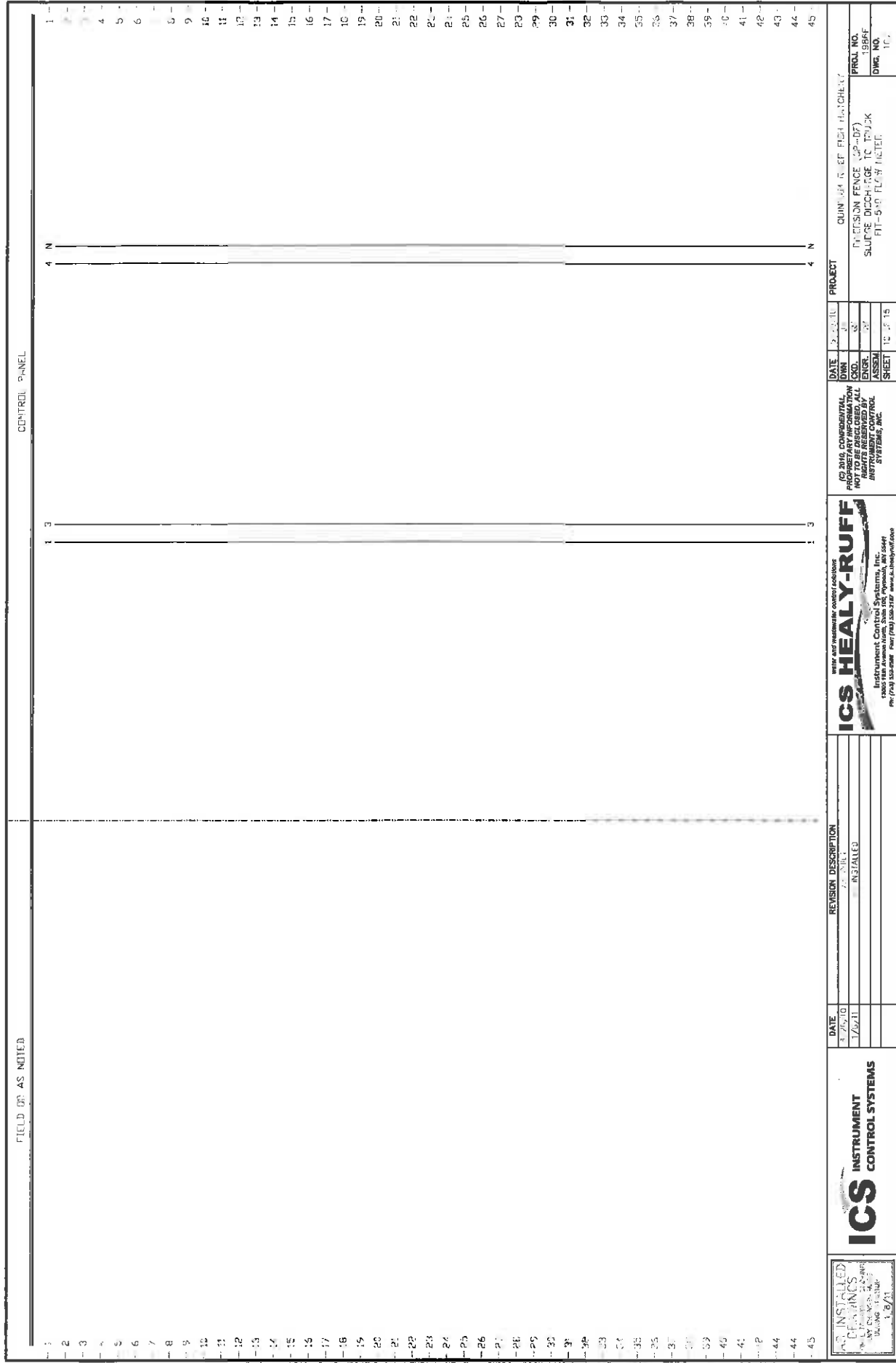
**ICS INSTRUMENT CONTROL SYSTEMS**

**AS INSTALLED**  
DURING CONSTRUCTION  
DATE: 1/1/11









ICS INSTRUMENT CONTROL SYSTEMS

DATE 1/10/11  
1/10/11  
INITIALED

DATE 1/10/11  
1/10/11  
INITIALED

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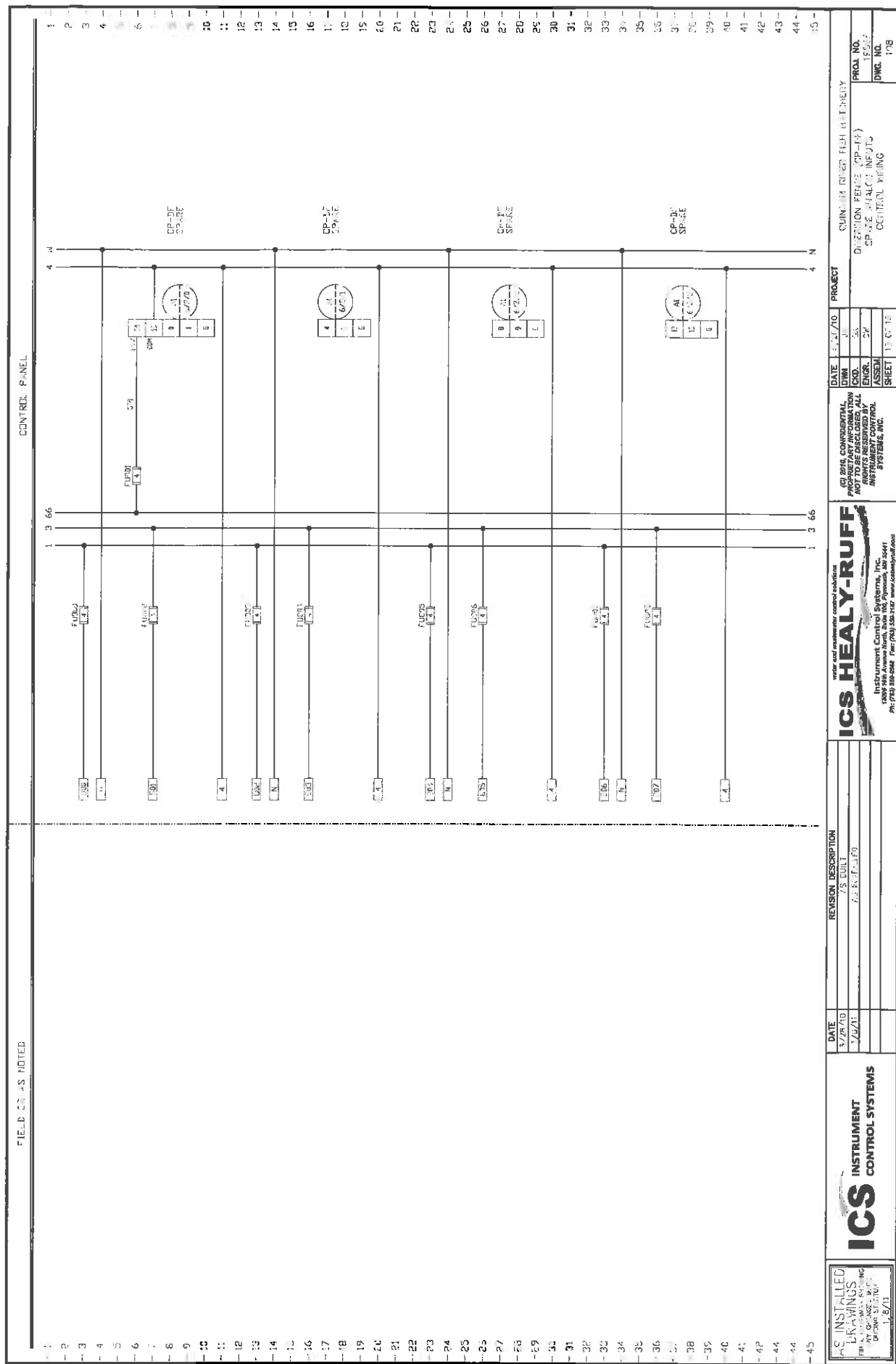
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DATE 1/10/11  
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INITIALED

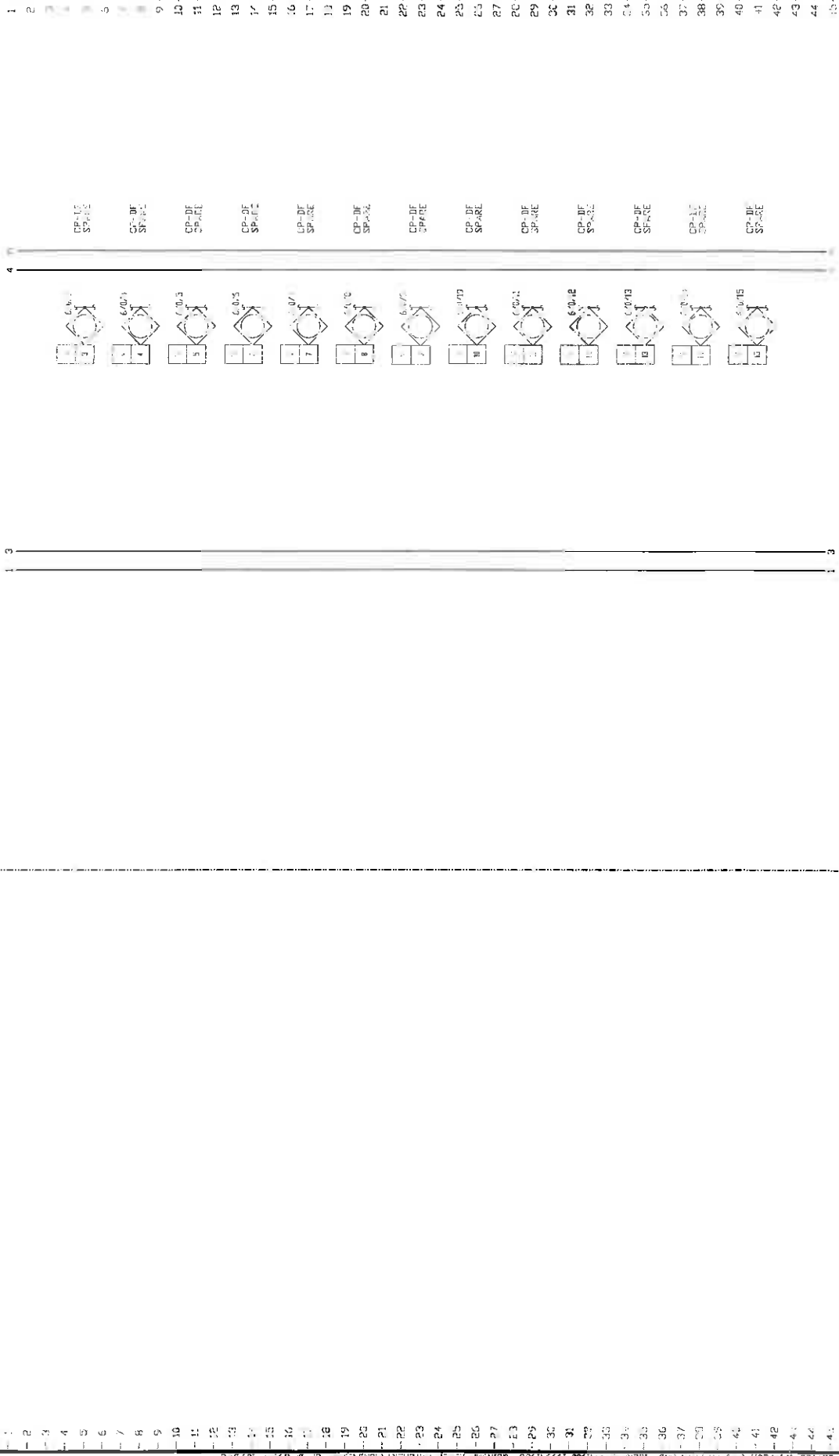
DATE 1/10/11  
1/10/11  
INITIALED

DATE 1/10/11  
1/10/11  
INITIALED



FIELD OR AS NOTED

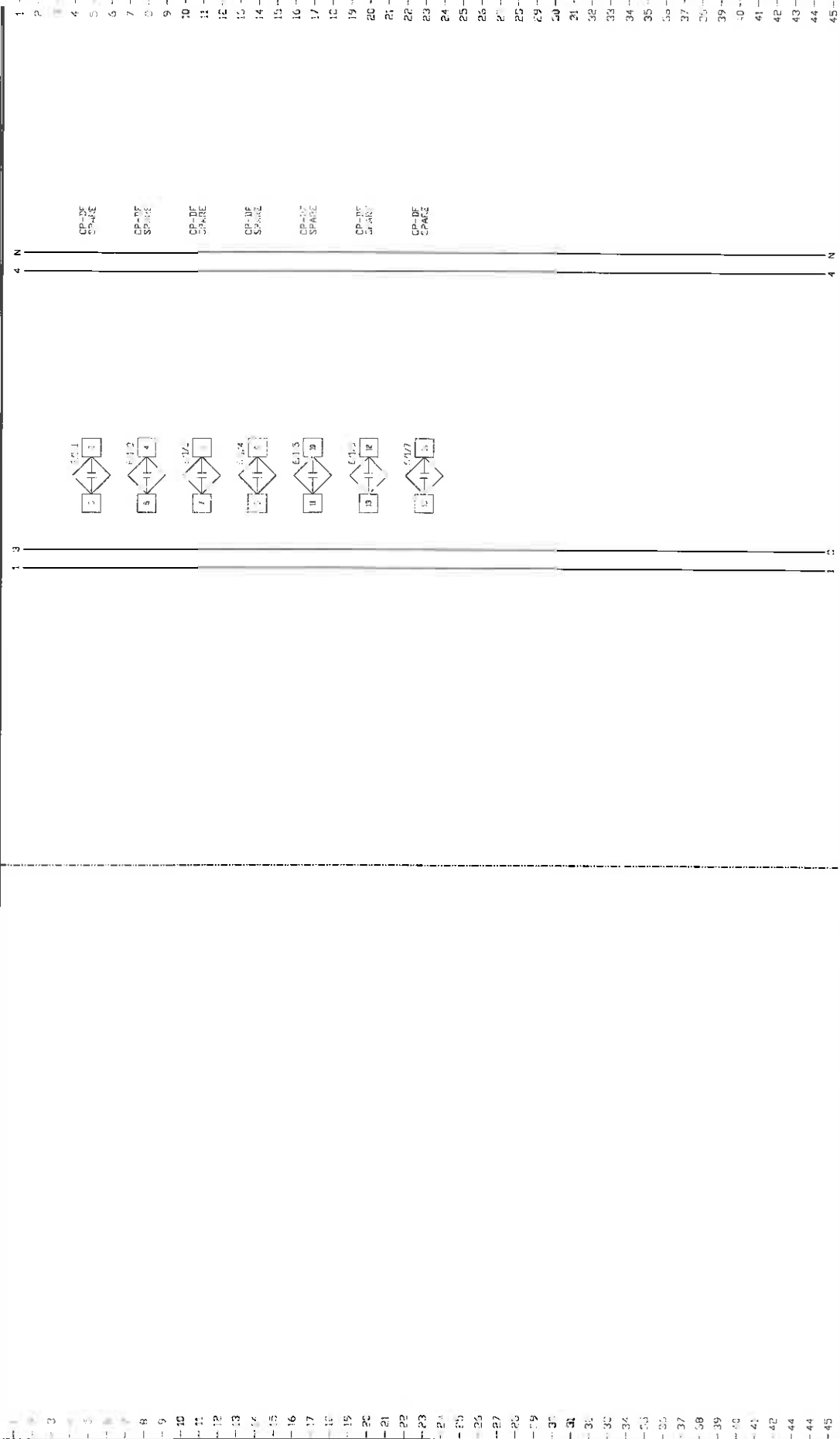
CONTROL PANEL



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS	<b>DATE</b> 6/23/11 1/22/11	<b>REVISION DESCRIPTION</b> 1. EUII 2. IN. IATED	<b>DATE</b> 6/23/11 1/22/11	<b>OWN</b> JL CK	<b>ENGR.</b> CK 20	<b>ASSEM.</b> 20	<b>SHEET</b> 14 OF 15	<b>PROJECT</b> QUINCY RIVER FISH HATCHERY	<b>PROJ. NO.</b> 1-1001	<b>DWG. NO.</b> 100
<b>ICS HEALY-RUFF</b> water and wastewater control solutions Instrument Control Systems, Inc. 1300 San Antonio Road, Suite 100, Pleasanton, CA 94566 PH: 925.305.5000 FAX: 925.305.5001 www.icshealy-ruff.com										
<b>ICS</b> INSTRUMENT CONTROL SYSTEMS										
<b>IS INSTALLED</b> DRAWINGS DATE: 1/2/11 DRAWING SITE: 1/2/11										

FIELD OR AS NOTED

CONTROL PANEL



DATE	REVISION DESCRIPTION	DATE	PROJECT
8/22/10	5.2.1.1	8/22/10	PROJECT
1/11/11	5.2.1.2	8/22/10	PROJECT
	5.2.1.3	8/22/10	PROJECT
	5.2.1.4	8/22/10	PROJECT
	5.2.1.5	8/22/10	PROJECT
	5.2.1.6	8/22/10	PROJECT
	5.2.1.7	8/22/10	PROJECT
	5.2.1.8	8/22/10	PROJECT
	5.2.1.9	8/22/10	PROJECT
	5.2.1.10	8/22/10	PROJECT
	5.2.1.11	8/22/10	PROJECT
	5.2.1.12	8/22/10	PROJECT
	5.2.1.13	8/22/10	PROJECT
	5.2.1.14	8/22/10	PROJECT
	5.2.1.15	8/22/10	PROJECT
	5.2.1.16	8/22/10	PROJECT
	5.2.1.17	8/22/10	PROJECT
	5.2.1.18	8/22/10	PROJECT
	5.2.1.19	8/22/10	PROJECT
	5.2.1.20	8/22/10	PROJECT
	5.2.1.21	8/22/10	PROJECT
	5.2.1.22	8/22/10	PROJECT
	5.2.1.23	8/22/10	PROJECT
	5.2.1.24	8/22/10	PROJECT
	5.2.1.25	8/22/10	PROJECT
	5.2.1.26	8/22/10	PROJECT
	5.2.1.27	8/22/10	PROJECT
	5.2.1.28	8/22/10	PROJECT
	5.2.1.29	8/22/10	PROJECT
	5.2.1.30	8/22/10	PROJECT
	5.2.1.31	8/22/10	PROJECT
	5.2.1.32	8/22/10	PROJECT
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	5.2.1.36	8/22/10	PROJECT
	5.2.1.37	8/22/10	PROJECT
	5.2.1.38	8/22/10	PROJECT
	5.2.1.39	8/22/10	PROJECT
	5.2.1.40	8/22/10	PROJECT
	5.2.1.41	8/22/10	PROJECT
	5.2.1.42	8/22/10	PROJECT
	5.2.1.43	8/22/10	PROJECT
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	5.2.1.45	8/22/10	PROJECT

**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

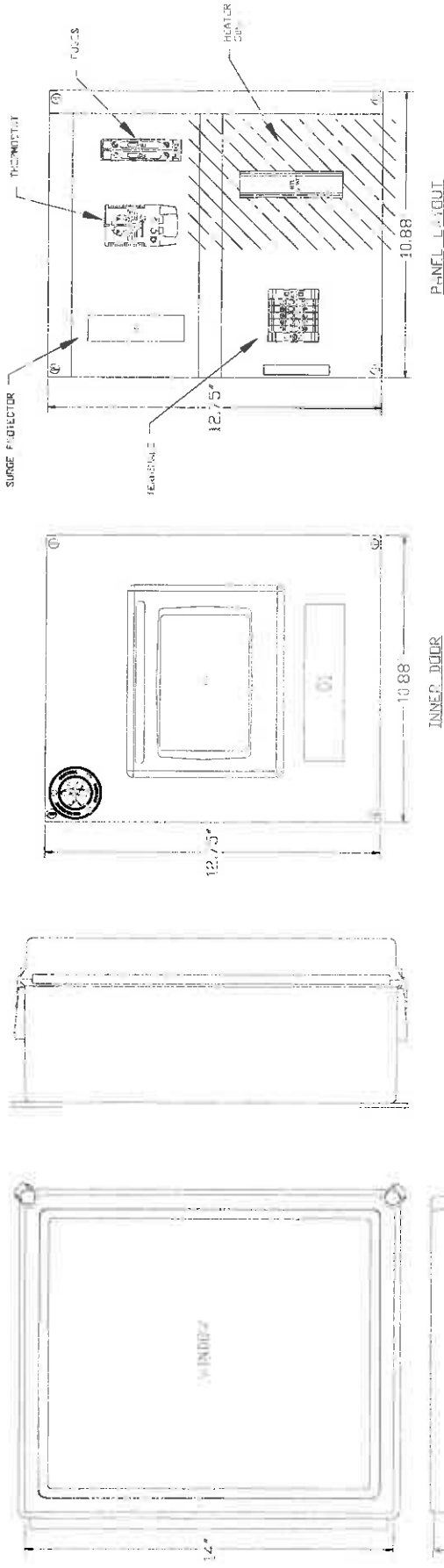
**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
10000 Healy-Ruff Drive  
P.O. Box 10000  
P.O. Box 10000  
P.O. Box 10000

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SYSTEMS, INC.

DATE: 8/22/10  
DWG: 10000  
ENGR: C.V.  
ASSEM: 10000  
SHEET: 10000

PROJECT: QUINCY RIVER FISH HATCHERY  
DRAWING: 10000  
DWG NO.: 10000





INNER DOOR

PANEL 14442

- NOTES:
1. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  2. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  3. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  4. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  5. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  6. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  7. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  8. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  9. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.
  10. ENCLOSURE IS A NEW TYPE 42 WALL-MOUNT HUTTON.

SCALE

NAMEPLATE SCHEDULE				
TAG	LINE1	LINE2	LINE3	REMARKS
01	01	01	01	NAMEPLATE ARE BLACK WITH WHITE LETTERS

**ICS HEALY-RUFF**

Instrument Control Systems, Inc.

1000 100 Avenue Road, Suite 100, Plymouth, MI 48150

Ph: 734 225-1000 Fax: 734 225-1001 www.icshealy-ruff.com

**ICS INSTRUMENT CONTROL SYSTEMS**

DATE: 1/6/01

REVISION DESCRIPTION: 1. 1/6/01 2. 1/6/01 3. 1/6/01 4. 1/6/01 5. 1/6/01 6. 1/6/01 7. 1/6/01 8. 1/6/01 9. 1/6/01 10. 1/6/01

**AS INSTALLED DRAWINGS**

DATE: 1/6/01

BY: 1/6/01

CHK: 1/6/01

APP: 1/6/01

**PROJECT**

QUINCY RIVER FISH HATCHERY

**PROJ. NO.** 19863

**DWG. NO.** 001

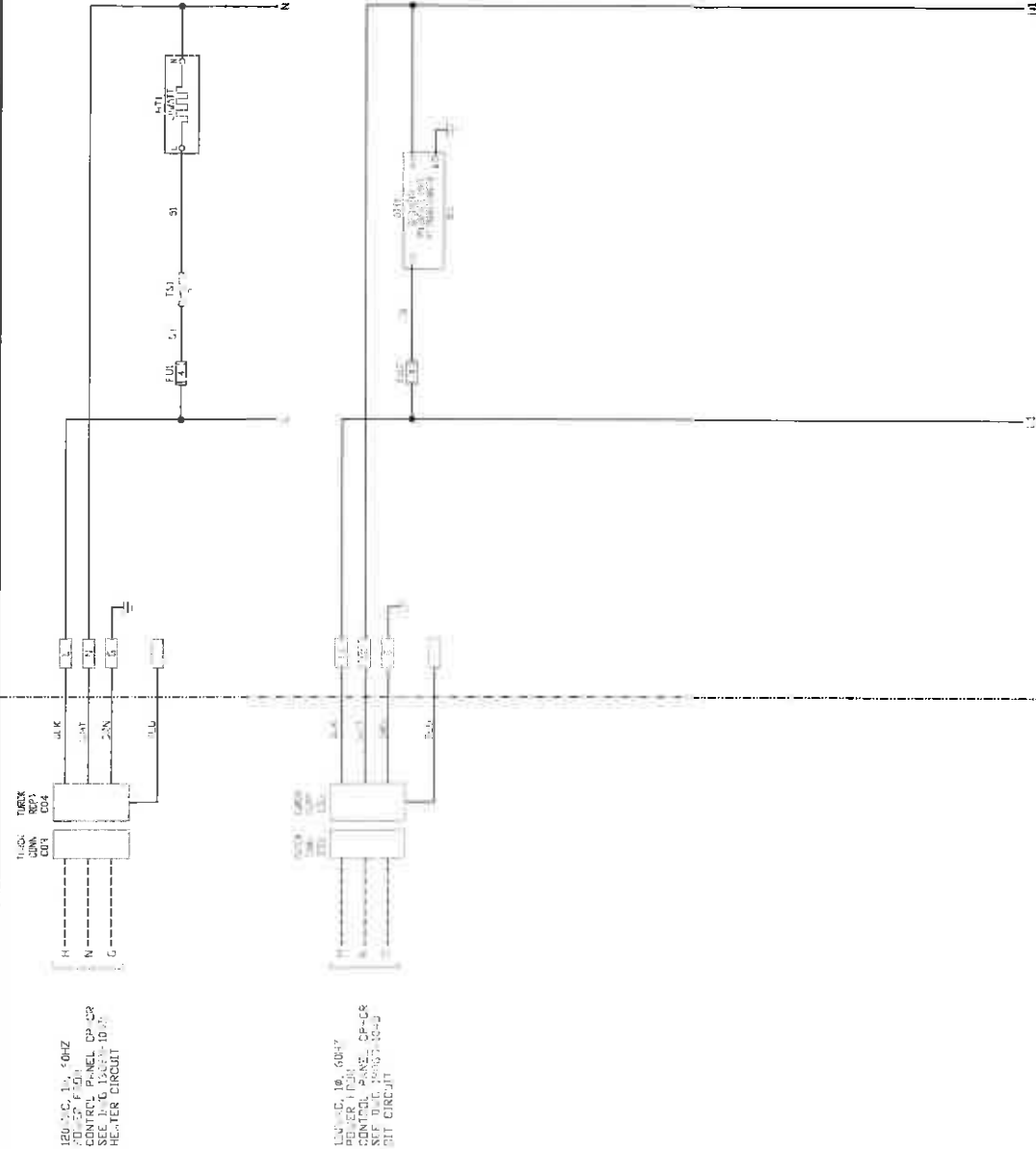


FIELD DR. AS NOTED

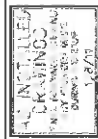
DIT-201

4 IN. DISCONNECT  
AND DISCONNECT  
CIRCUIT  
FACED TO THE  
RIGHT BY OTHERS

120 VAC, 1 $\phi$ , 60HZ  
CONTROL PANEL CP-CR  
SEE FIG. 150-10-10  
HEATER CIRCUIT



120 VAC, 1 $\phi$ , 60HZ  
CONTROL PANEL CP-CR  
SEE FIG. 150-10-10  
HEATER CIRCUIT



DATE  
6/23/10  
1/23/11

REVISION DESCRIPTION

5. DUT

5. IN FIELD



ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
10000 Highway 100  
P.O. Box 100  
P.O. Box 100  
P.O. Box 100

DATE  
DWG  
ENCL  
ASSEM  
SHEET

PROJECT

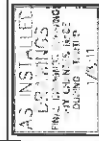
CUNEIFI (NEW) FISH HATCHERY  
N-ASTHETIC TANK PANEL (OT-ON)  
OPT. 11 BSR, FALTER  
CARTON PANEL MOUNT

PROJ. NO.  
1582  
DWG. NO.  
10



# DRAWING INDEX

FILENAME	TITLE_1	TITLE_2	TITLE_3	TITLE_4	FILEDATE
1906H-NDP		DRAWING INDEX			6/7/2010
1906H-001	MAINTENANCE SHOP (401-57)	ENCLOSURE DETAIL			6/7/2010
1906H-002	MAINTENANCE SHOP (401-57)	PLC I/O SCHEDULE			6/7/2010
1906H-003	MAINTENANCE SHOP (401-57)	CONTROL POWER WIRING			6/6/2010



**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
1/2/11	AS PER IT
1/2/11	AS PER IT



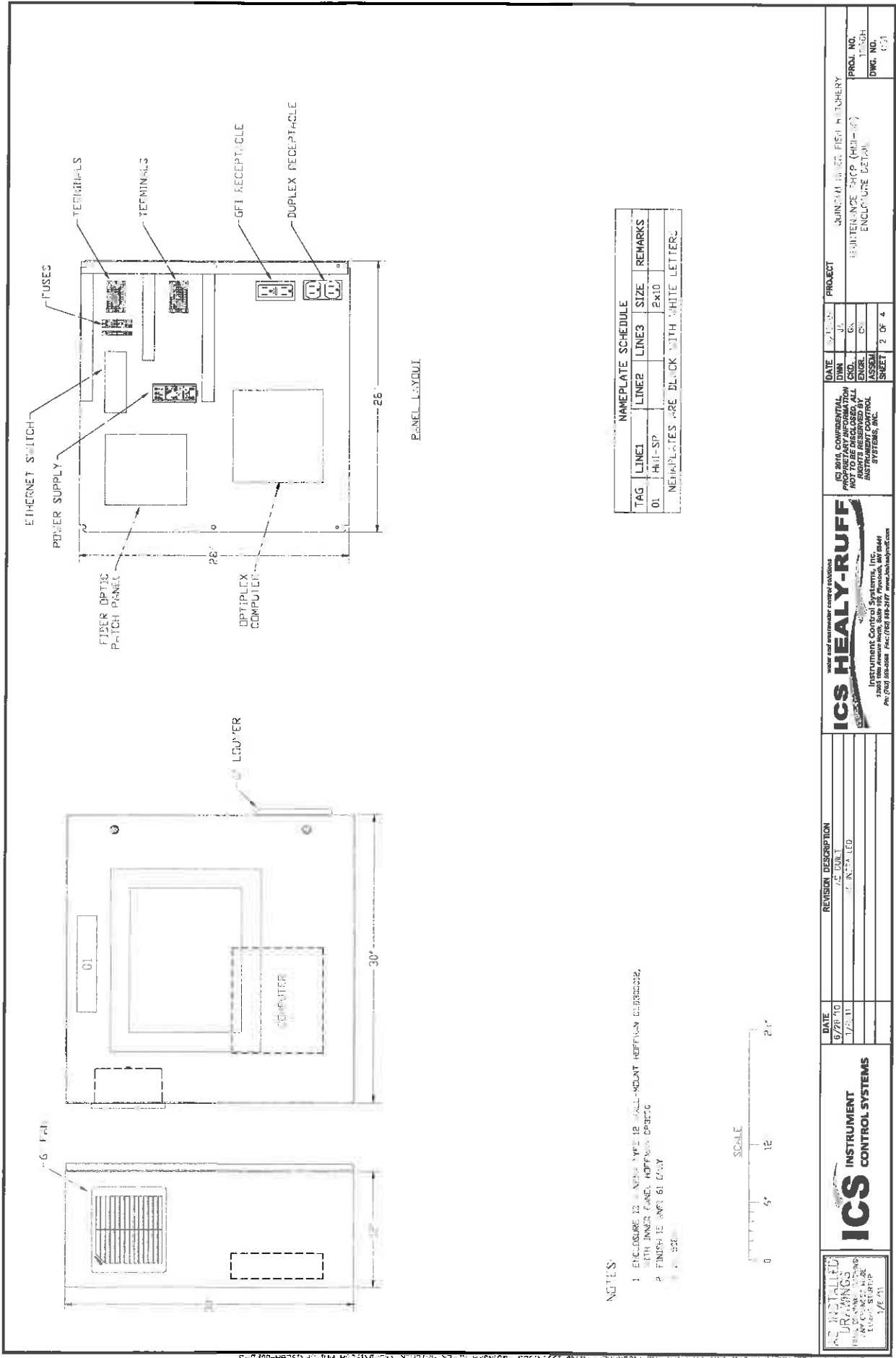
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DATE	DIN	COO.	ENR.	ASSEM.	SHEET
1/2/11	1	1	1	1	1 OF 4

PROJECT

QUINTON PARK FISH HATCHERY  
OFF-WING RIDGE

PROJ. NO.	1906H
DWG. NO.	NDP

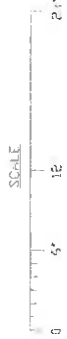


NAMEPLATE SCHEDULE

TAG	LINE1	LINE2	LINE3	SIZE	REMARKS
01	HI-1	SP		2x10	

NAMEPLATES ARE BLACK WITH WHITE LETTERS

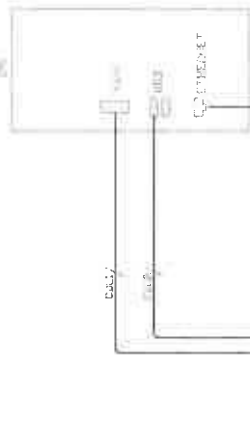
- NOTES:
1. ENCLOSURE IS A NEW TYPE 1B WALL-MOUNT HOFFMAN ENCLOSURE WITH INNER PANEL HOFFMAN PORTS
  2. FINISH IS WP-61 GRAY



<b>ICS</b> INSTRUMENT CONTROL SYSTEMS 1000 S. 10th St., Suite 100 Lincoln, NE 68502 Phone: (402) 441-1111 Fax: (402) 441-1112 Email: sales@icsinc.com		<b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 1000 S. 10th St., Suite 100 Lincoln, NE 68502 Phone: (402) 441-1111 Fax: (402) 441-1112 Email: sales@icsinc.com		(C) 2010 CONFIDENTIAL ALL RIGHTS RESERVED BY INSTRUMENT CONTROL SYSTEMS, INC.		DATE: 9/20/10 DIM: 1/2" DIA COO: JLS ENGR: GKS ASSEM: CML SHEET: 2 OF 4		PROJECT: QUINCY POWER PLANT HATCHERY ENCLOSURE SHEET (HI-1-01) ENCLOSURE DETAIL		PROJ. NO.: DWG. NO.: 1" HIGH 1" LONG	
---	--	--	--	---	--	--	--	---	--	---	--

IF 15-16-54-27  
SLIMFIT 200-555-550

CDU-100  
100-100-100

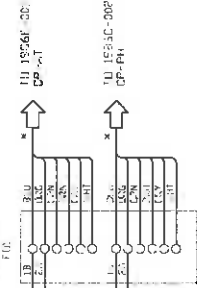


1P 15-16-54-27  
CDU-100-100-100  
100-100-100

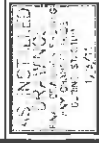
PIPE INDUSTRIAL  
MONITOR  
HD-100-100-100

TO CP-SP  
SEE FIG 100-100-100

TO CP-SP  
SEE FIG 100-100-100



QTY	TAGS	DESCRIPTION	MFG	CATALOG
1	CP1	MONITOR, 100-100-100 INTEL CORE 2 DUO E7600 CPU 100-100-100	DELL	OPTIPLEX 100 DUO E7600
1	CP2	ETHERNET FIBER, 100-100-100 10/100 AUTOSENSING MULTIMODE 60 RJ45 PORTS	NETSON	100-100-100
1	DIT1	LCD TOUCHSCREEN MONITOR 1280 X 1024 TOUCHSCREEN / 15" / 4:3	HOPE INDUSTRIAL SYSTEMS	HD-100-100-100
1	FD1	15" LCD TOUCHSCREEN / 15" / 4:3	CIEMO COMPANY	CIEMO-100-100
1	FD2	SC BULKHEAD CONNECTOR MODULE 3 DUPLEX SC ADAPTER 16 FIBER SC BULKHEAD	CIEMO COMPANY	CIEMO-100-100
1	CD1	15" LCD	GENERIC	100-100-100
1	CD2	15" LCD	GENERIC	100-100-100
1	CD3	ETHERNET CABLE 100-100-100	GENERIC	100-100-100
1	CD4	ETHERNET CABLE 100-100-100	GENERIC	100-100-100
1	CD5	ETHERNET CABLE 100-100-100	GENERIC	100-100-100



DATE: 1/25/10  
REVISION: 1.0  
DESCRIPTION: CP-100  
DRAWN BY: J. J. J. J.

DATE: 1/25/10  
REVISION: 1.0  
DESCRIPTION: CP-100  
DRAWN BY: J. J. J. J.

ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
100-100-100  
100-100-100

DATE: 1/25/10  
REVISION: 1.0  
DESCRIPTION: CP-100  
DRAWN BY: J. J. J. J.

PROJECT: QUINCY PIER FIRM HATCHERY  
MAINTENANCE SHOP (HATCHERY)  
PLC / IO SUPPLEMENT  
PROJ. NO. 100-100-100  
DWG. NO. 100-100-100

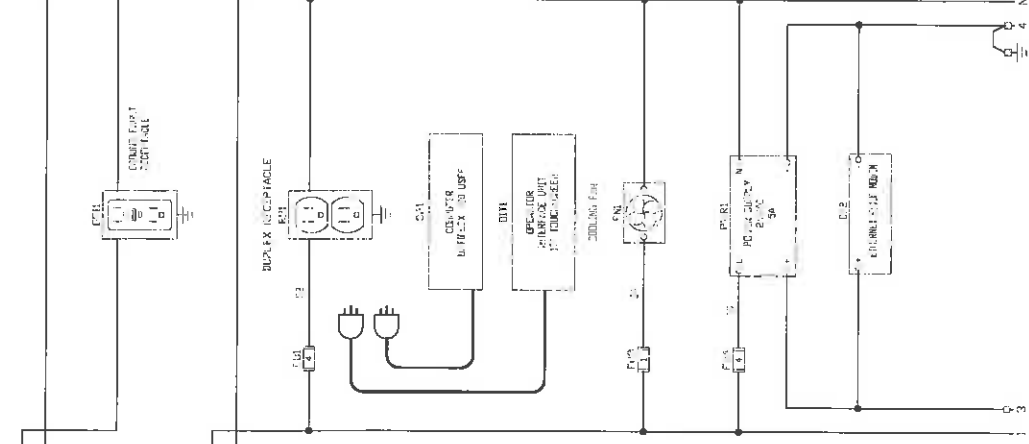
FIELD OR AS NOTED

CONTROL PANEL

MAIN DISCONNECT  
AND GROUNDING  
PROTECTION TIE  
PADDED BY OTHERS

150V, 15A, 60Hz  
FUSE, CH 100  
1958K-1000

150V, 15A, 60Hz  
FUSE, CH 100  
1958K-1000



NOT INSTALLED  
DISCONNECT  
BY OTHERS  
1/2/71

ICS INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION	DESCRIPTION
1/2/71	1	AS FIELD
1/2/71	2	AS IN FIELD

ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
P.O. Box 1000, Fort Worth, Texas 76101  
Phone: (817) 335-1000

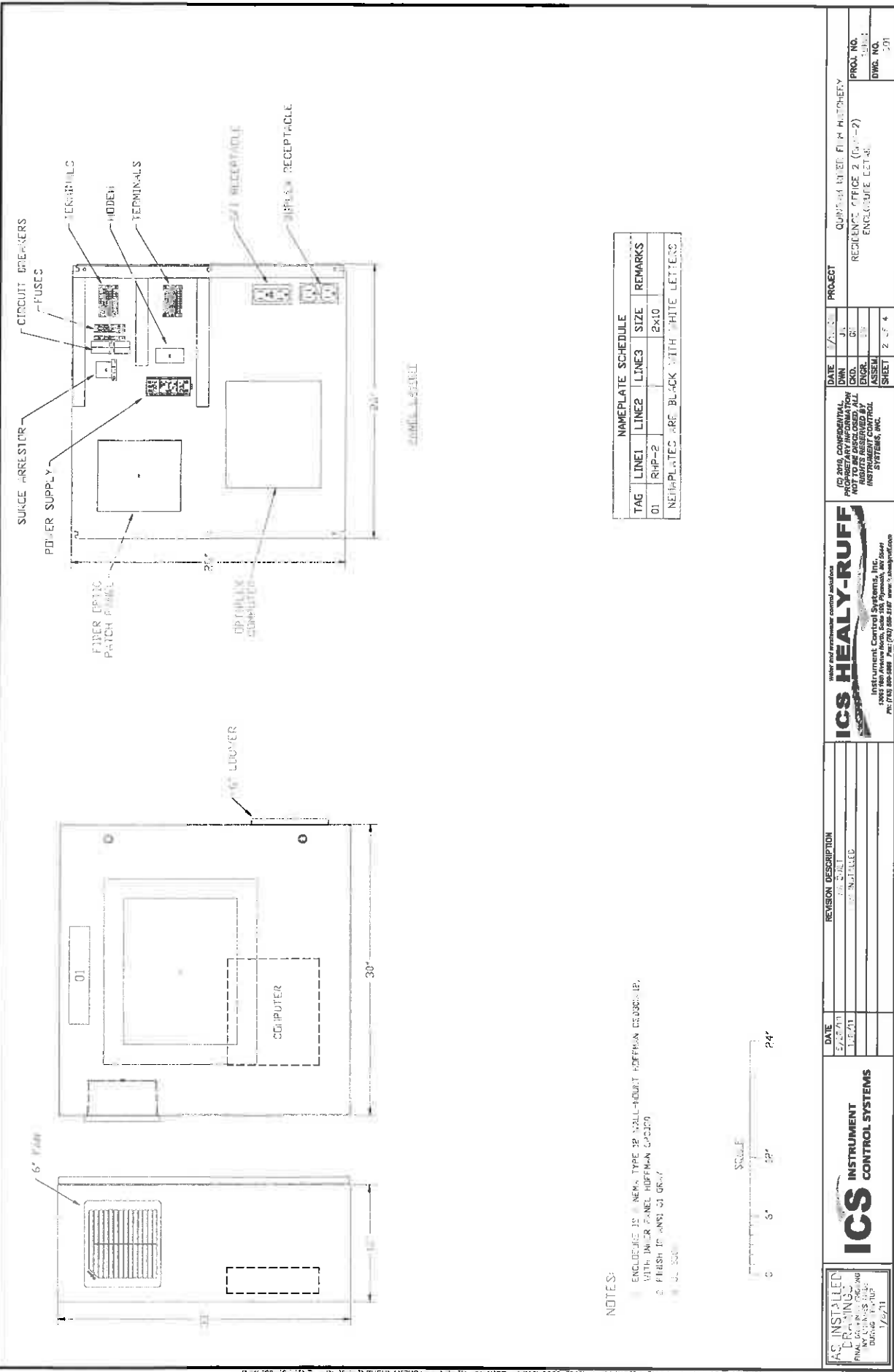
NOT TO BE USED FOR  
ANY OTHER PURPOSES  
ALL RIGHTS RESERVED BY  
INSTRUMENT CONTROL  
SYSTEMS, INC.

DATE	SCALE	PROJECT
DWG	1/2"	QUINCY FISH HATCHERY
ENGR	1/2"	M. WHELAN, P.E. (P.E. 1000)
ASSEM	1/2"	CONTROL PANEL WIRING

PROJ. NO.  
1000  
DWS. NO.  
1000

FILENAME	TITLE 1	TITLE 2	TITLE 3	TITLE 4	FILEDATE
19651-N04		IN THE NAME OF			6/7/2010
19761-001		REFERENCE OFFICE ? GRP-2			6/7/2010
19861-002		REFERENCE OFFICE ? GRP-2			6/7/2010
19961-006		REFERENCE OFFICE ? GRP-2			6/7/2010

<b>ICS</b> <b>INSTRUMENT</b> <b>CONTROL SYSTEMS</b>	DATE	REVISION DESCRIPTION		DATE DWG. J.E. CDD. G. ENGR. D. ASSEM. 1 SHEET 1 OF 4	PROJECT QUINN - NEW HIGH RITCHIEY
	1/8/10 1/8/11	1. BUILD 2. INSTRUMENT			

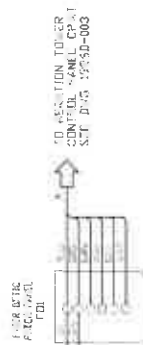


NOTES:  
 ENCLOSURE IS A NEW TYPE 30 WALL-HOUNT HOFFMAN ENCLOSURE,  
 WITH INNER PANEL HOFFMAN C0010  
 2. FRESH IP AND G1 GRAY  
 3. 2. 500



NAMEPLATE SCHEDULE				
TAG	LINE1	LINE2	LINE3	REMARKS
01	RHP-2		2X10	
NAMEPLATES ARE BLACK WITH WHITE LETTERS				

<b>ICS</b> INSTRUMENT CONTROL SYSTEMS 1000 West Avenue North, Suite 100, Plymouth, MI 48178 PH: 313.380.5000 FAX: 313.380.5001	<b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 1000 West Avenue North, Suite 100, Plymouth, MI 48178 PH: 313.380.5000 FAX: 313.380.5001	(C) 2010, CONFIDENTIAL PROPRIETARY INFORMATION ALL RIGHTS RESERVED BY INSTRUMENT CONTROL SYSTEMS, INC.	DATE: 5/15/11 DRAWN: J. J. CHECKED: G. J. ENGR: J. J. ASSEM: J. J. SHEET: 2 OF 4	PROJECT: QUINCY MEDICAL HOSPITAL RESIDENCE OFFICE 2 (RHP-2) ENCLOSURE LET-48	PROJ. NO. 1001 DWG. NO. 101
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QTY	TAGS	DESCRIPTION	MFG	CATALOG
1	C01	COMPUTER OPTIFLEX 160 ULTRA SLIM FORM FACTOR	DELL	COMPLEX 160 USF
1	C02	MULTIMEDIA FIBER CENTER	AT&T	102ND-SC
1	C03	15" INCH MONITOR LCD THIN-SCREEN MONITOR 1280 X 800 1280 X 1024 1280 X 1280 / USF / AX SC	HP	HIT-H17-STAT HIT-H17-STAT
1	F01	FIBER OPTIC PATCH PANEL, 14-PORT SMD-11	SIEMEN COMPANY	S10C3-11-01
2	F02	20-PORT MULTIMEDIA CONNECTOR MODULE SIC-F-005-01	SIEMEN COMPANY	SIC-F-005-01
1	C04	15" INCH MONITOR LCD THIN-SCREEN MONITOR 1280 X 800 1280 X 1024 1280 X 1280 / USF / AX SC	GENERIC	CATC
1	C05	FIBER OPTIC PATCH CABLE 20 METER (65 FT) FIBER SC MM 8B3 SC MM 8B3	HUBBELL	10-POSCSC8MM
1	C06	15" INCH MONITOR LCD THIN-SCREEN MONITOR 1280 X 800 1280 X 1024 1280 X 1280 / USF / AX SC	GENERIC	USF
1	C07	15" INCH MONITOR LCD THIN-SCREEN MONITOR 1280 X 800 1280 X 1024 1280 X 1280 / USF / AX SC	GENERIC	USF

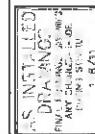
[illegible]





# DRAWING INDEX

FILENAME	TITLE_1	TITLE_2	TITLE_3	TITLE_4	FILE DATE
1536J-NDX		PLC I/O SCHEDULE			8/17/2000
1536J-001	PUMP HEADS - PH, GRU-PHD	ENCLOSURE DETAIL			8/17/2000
1536J-002	PUMP HEADS - PH, GRU-PHD	PLC I/O SCHEDULE			8/17/2000
1536J-100A	PUMP HEADS - PH, GRU-PHD	CONTROL POWER WIRING			8/17/2000



**ICS**  
INSTRUMENT  
CONTROL SYSTEMS

DATE	REVISION DESCRIPTION
3/28/90	8.001
1/20/91	8.002

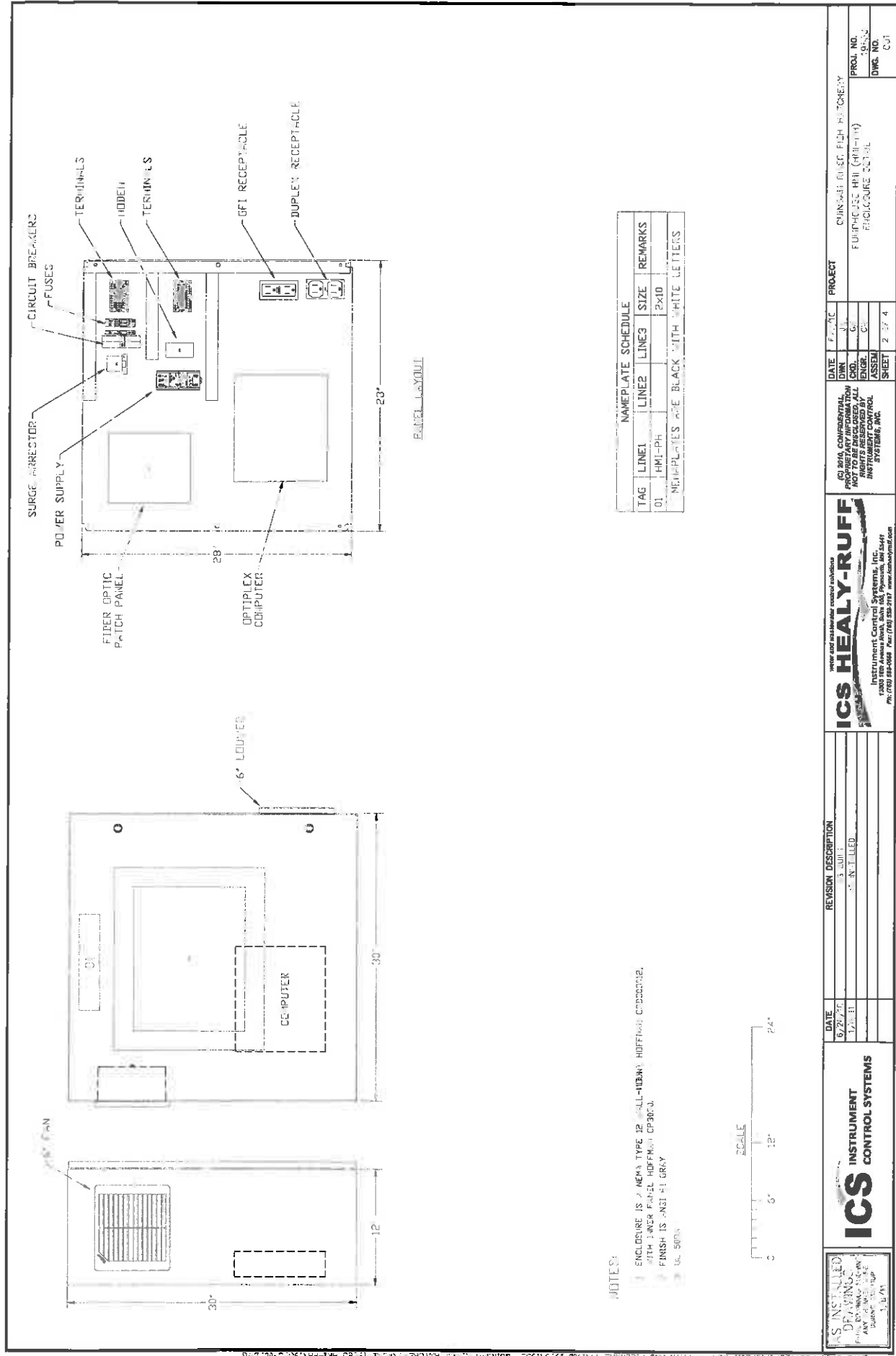


**ICS HEALY-RUFF**  
Instrument Control Systems, Inc.  
2000 100 Avenue West, Suite 100, Minneapolis, MN 55411  
Ph: (612) 555-5555 Fax: (612) 555-5556 www.icshealyruff.com

DATE	DATE	DATE
DIN	ENR	ASSEM
000	000	000

PROJECT: QUINCY RIVER FISH HATCHERY  
CONTRACT NO. 1536J  
DWG. NO. NDX

DATE	DATE	DATE
DIN	ENR	ASSEM
000	000	000



PANEL LAYOUT

NAMEPLATE SCHEDULE

TAG	LINE1	LINE2	LINE3	SIZE	REMARKS
01	HMI-PH			2x10	

NAMEPLATES ARE BLACK WITH WHITE LETTERS

- NOTES:
- ENCLOSURE IS 1/2" ALUMINUM TYPE 12" (ALL-NEW) HOFFMANN CDS00012.
  - WITH 1" LINEAR PANEL HOFFMANN CP300.
  - FINISH IS ANTI-GLARE.
  - US 500A.



**ICS INSTRUMENT CONTROL SYSTEMS**

DATE: 6/27/01

REVISION DESCRIPTION: 1/1/01

**ICS HEALY-RUFF**

Instrument Control Systems, Inc.

11700 15th Street, Suite 100

Ph: (760) 855-0088 Fax: (760) 855-7187 www.icshealyruff.com

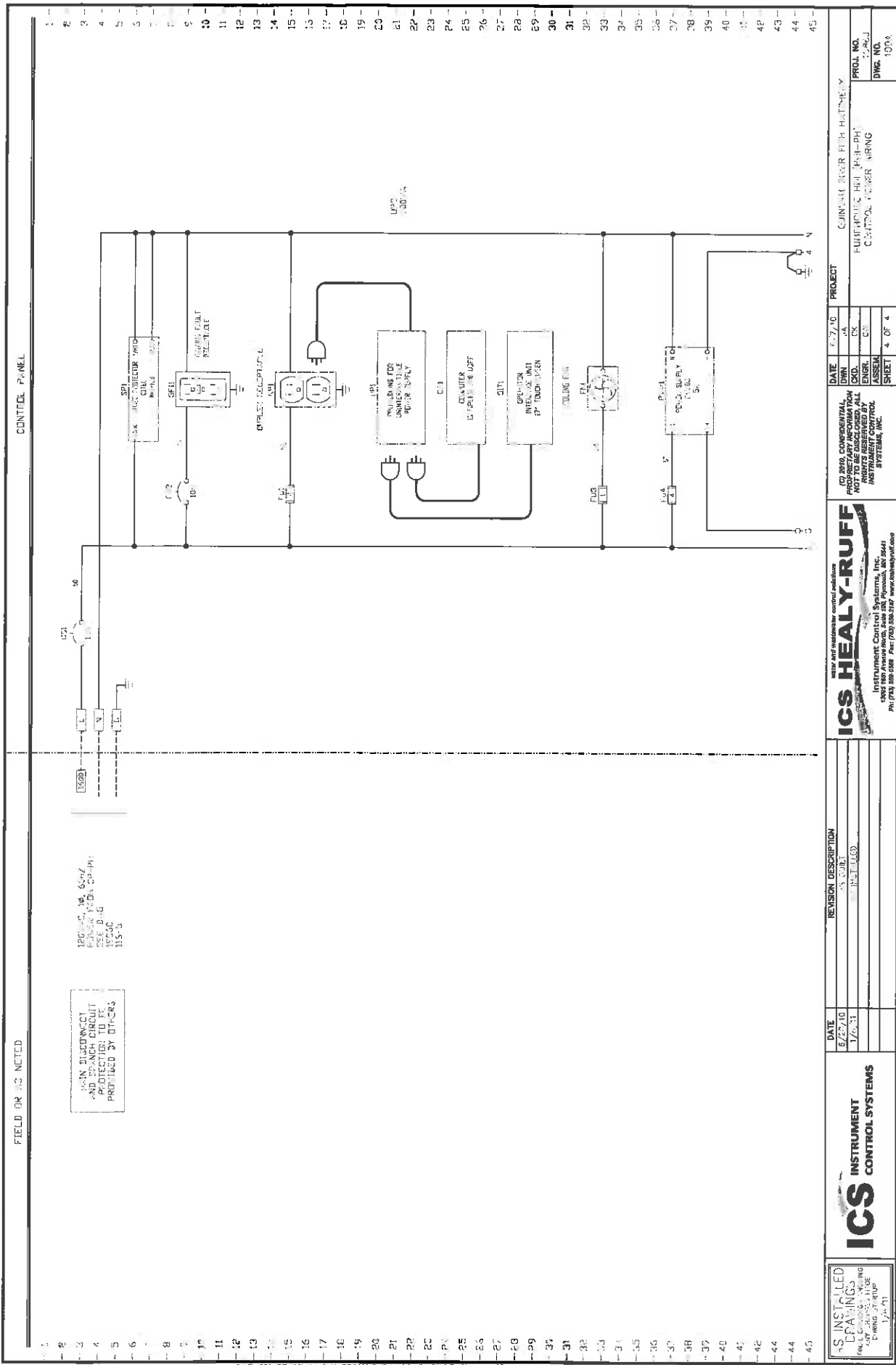
**PROJECT** CHINESE BUILT FISH FACTORY

**DATE** 6/27/01

**PROJ. NO.** 19550

**DWG. NO.** 001

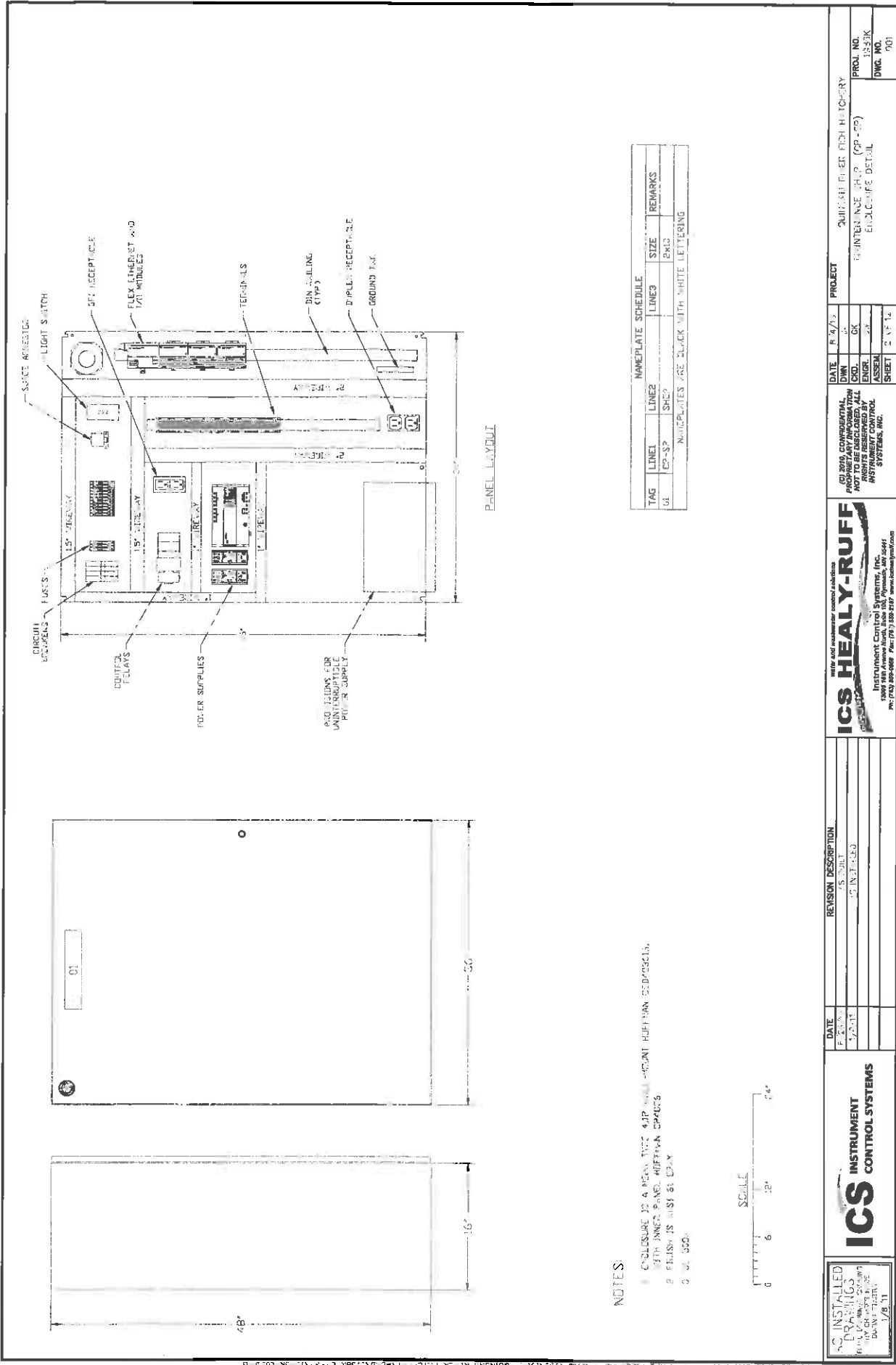




# DRAWING INDEX

FILENAME	TITLE_1	TITLE_2	TITLE_3	TITLE_4	FILEDATE
1555A-NDA		STARTING INDEX			8/9/2010
1555A-C01	MAINTENANCE SHOP (CP-SP)	ENCLOSURE RETAIL			8/9/2010
1555A-C02	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-100A	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-100B	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-101	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-102	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-103	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-104	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-105	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-106	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-107	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-108	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010
1555A-109	MAINTENANCE SHOP (CP-SP)	PLC IDENTIFICATION			8/9/2010
1555A-110	MAINTENANCE SHOP (CP-SP)	PLC I/O SCHEDULE			8/9/2010

 <b>ICS</b> INSTRUMENT CONTROL SYSTEMS	DATE 8/9/2010	REVISION DESCRIPTION 1.0 INITIAL	 <b>ICS HEALY-RUFF</b> Instrument Control Systems, Inc. 10000 S. 100th Ave., Suite 100 Greenwood, CO 80045 PH: (720) 333-3333 FAX: (720) 333-3337	(C) 2010 CONFIDENTIAL ALL RIGHTS RESERVED BY INSTRUMENT CONTROL SYSTEMS, INC.	DATE 8/9/2010	PROJECT JUNIOR POWER HIGH RATCHERY	PROJ. NO. 1555A
	DATE 8/9/2010	REVISION DESCRIPTION 1.0 INITIAL		DATE 8/9/2010	PROJECT JUNIOR POWER HIGH RATCHERY	PROJ. NO. 1555A	



[illegible]

TO HALL-SP PANEL  
SEE DWG 1985H-002

**ICS HEALY-RUFF**  
water and wastewater control solutions

**Instrument Control Systems, Inc.**  
12003 1850 Avenida South, Suite 100, Lynnwood, WA 98245  
PH: (737) 535-0558 FAX: (737) 580-2187 [info@healyruff.com](mailto:info@healyruff.com)

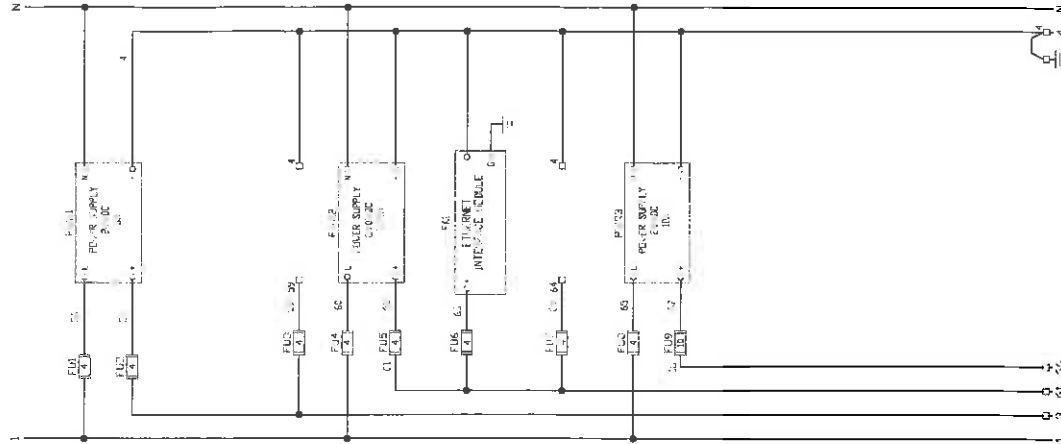
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1/24/10	AS BUILT
1/20/11	REVISED TO ILLC

DATE	CITY	PROJECT
DWN	JA	QUINCY RIVER FISH HATCHERY
CDL	CE	MANTENANCE SHOP (CP-SP)
ENGR.	CW	PLC I/O SCHEDULE
ASSUM.		
SHEET	3 OF 12	
		PROLL NO. 0686
		DWG. NO. 002





CONTROL PANEL

[illegible]

FIELD E&P AS NOTED

CONTROL PANEL

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DATE: 1/1/11  
PROJECT: QUINCY RIVER FISH PASTORY  
DRAWING NO.: 100-00  
DWG. NO.: 100-00

ICS INSTRUMENT CONTROL SYSTEMS

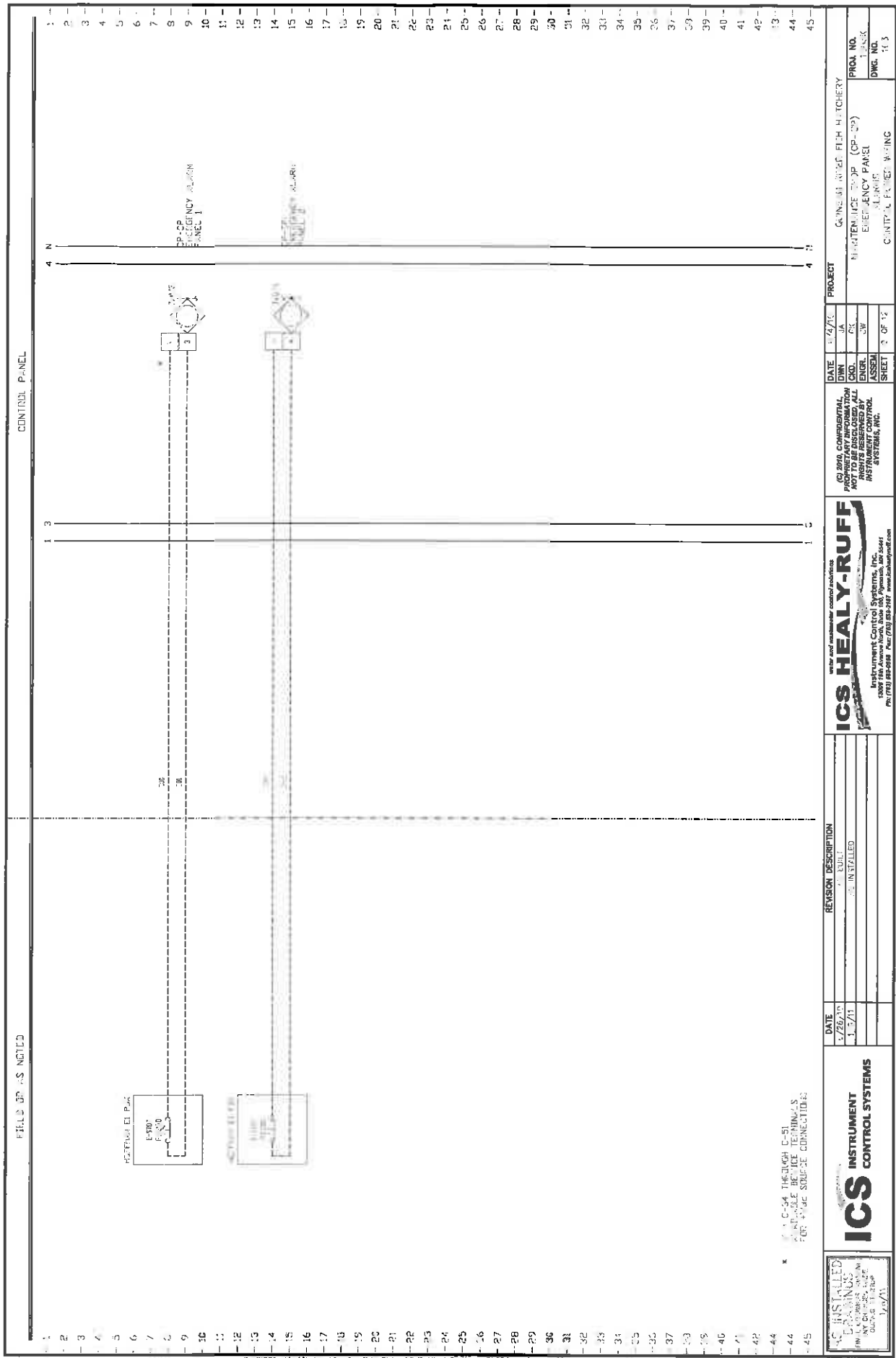
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REVISION DESCRIPTION  
1.00 E&P  
1.01 AS NOTED

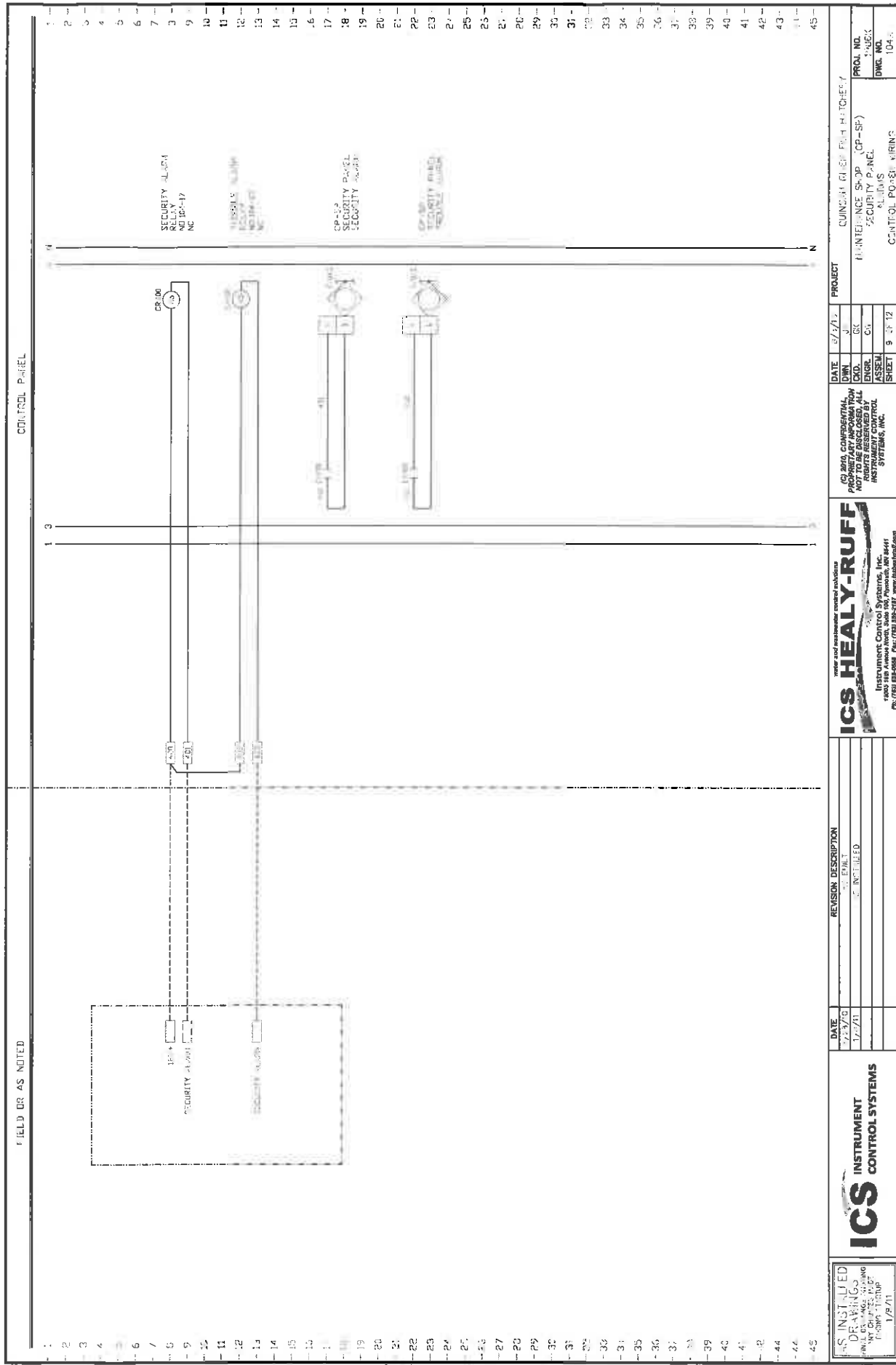
ICS HEALY-RUFF  
Instrument Control Systems, Inc.  
1000 100 Avenue North, Suite 100, Plymouth, MN 55441  
PH: 763.586.0000 FAX: 763.586.0001

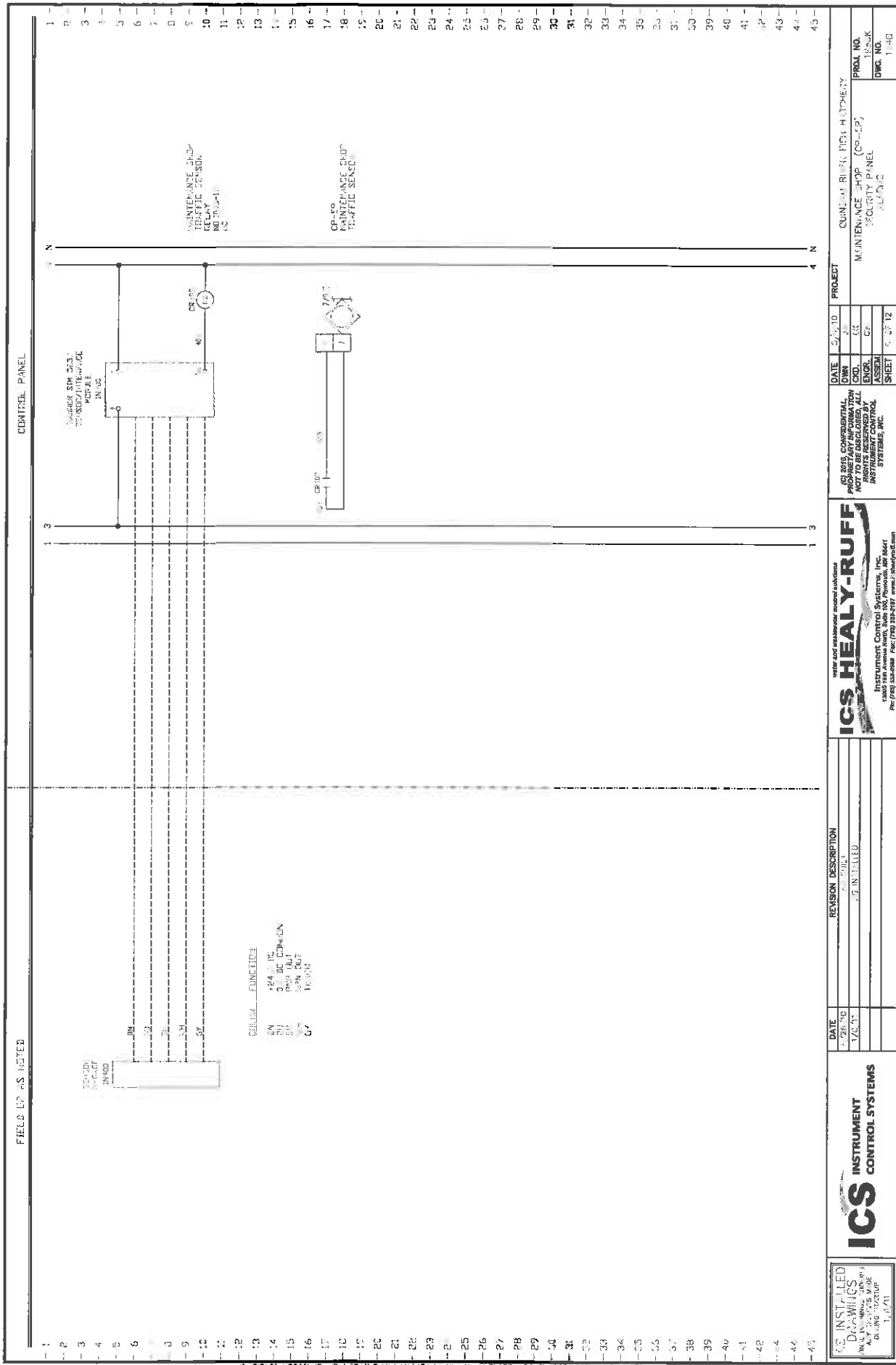
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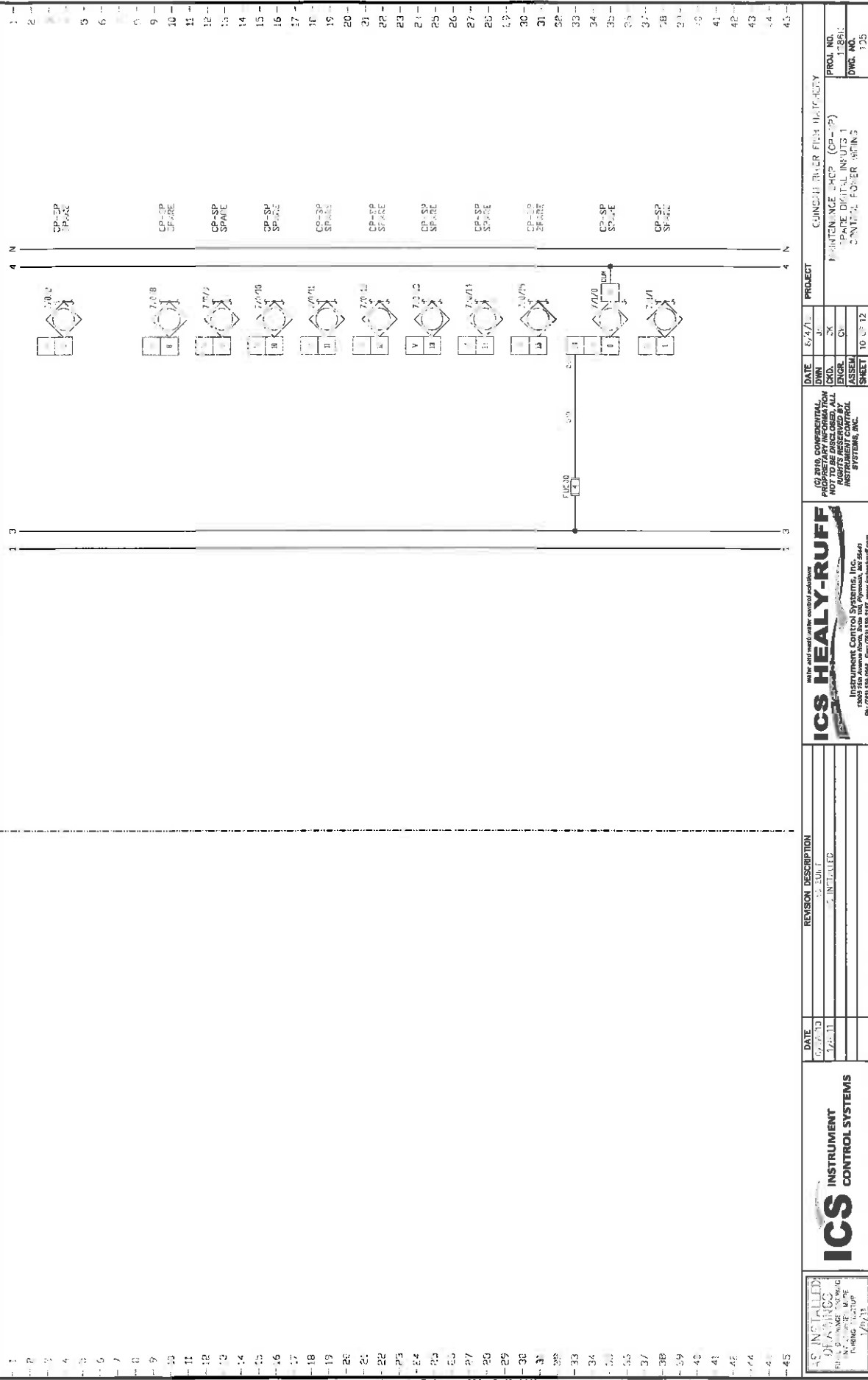






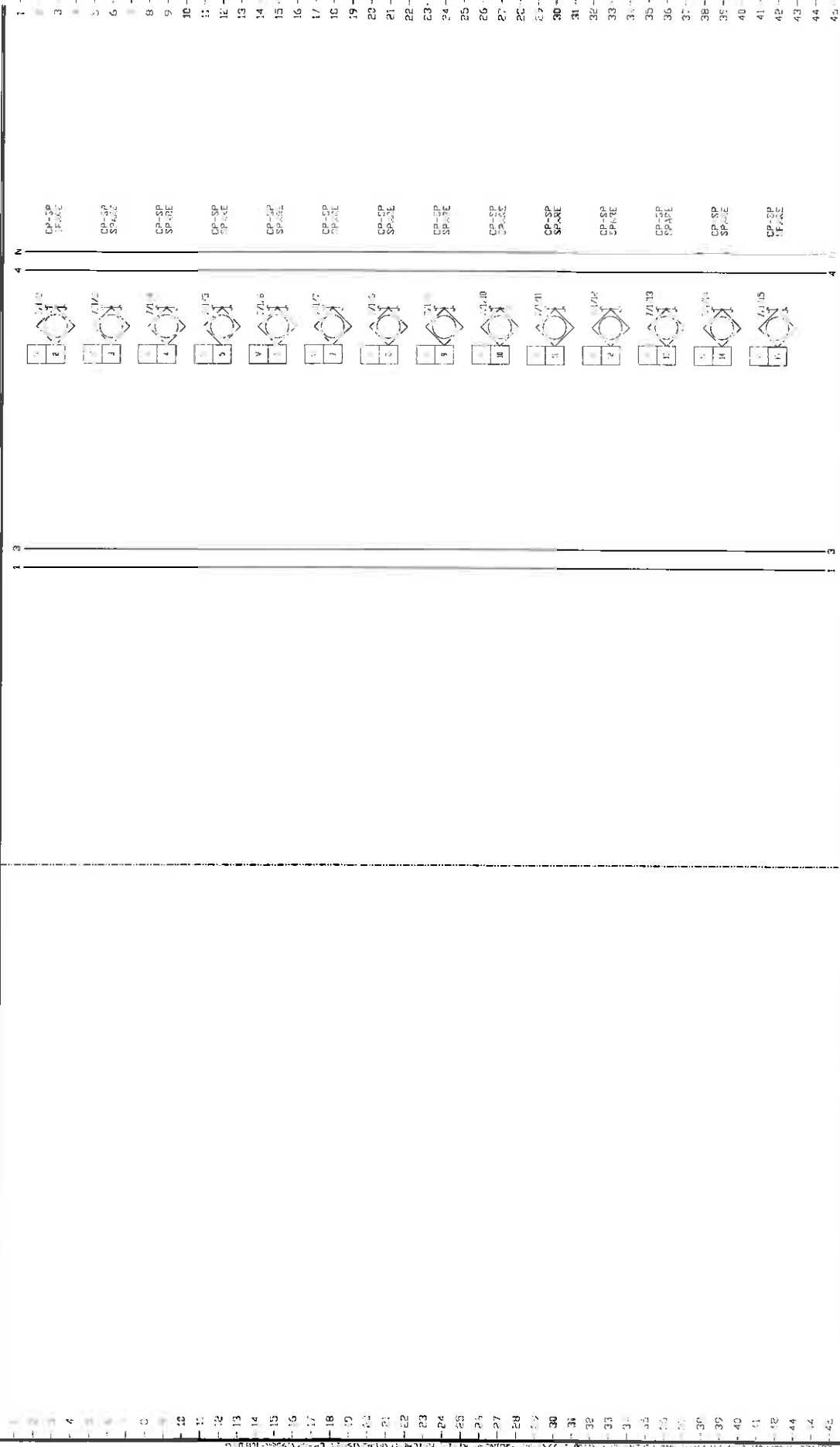


CONTROL PANEL



FIELD OR AS NOTED

CONTROL PANEL



DATE 5/2/95 1/2/01	REVISION DESCRIPTION AS BUILT AS BUILT	DATE 5/2/95 1/2/01	DRAWN GK GK	PROJECT MILITARY RIF FOR HATCHERY	PROJ. NO. 100				
ICS INSTRUMENT CONTROL SYSTEMS					DWG. NO. 100				
NOT INSTALLED DRAWINGS BY ICS DURING THE 1/2/01									
ICS HEALY-RUFF Instrument Control Systems, Inc. 1000 Avenue North, Suite 100, Minneapolis, MN 55441 Ph: (612) 555-5555 Fax: (612) 555-5555 Email: hcs@healy-ruff.com									
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DATE 5/2/95 1/2/01									
DRAWN GK GK									
PROJECT MILITARY RIF FOR HATCHERY									
PROJ. NO. 100									
DWG. NO. 100									



