

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of an Adjustment of)
the Gas Rates of) Case No. 2005-00042
The Union Light, Heat and Power Company)

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JUN 27 2007

PUBLIC SERVICE
COMMISSION

SECOND QUARTER 2007 UPDATE FILING

**In the Matter of an Adjustment of the Gas Rates of
The Union Light, Heat and Power Company
Order Dated 12/22/05 (Case No. 2005-00042)
Table of Contents
Second Quarter 2007 Filing**

<u>Tab</u>	<u>Description</u>
1	List of the names and address of the contractors utilized for AMRP projects.
2	A copy of the bid document signed with each contractor, showing a description and scope of the work, construction specifications, and construction management. Confidential information is submitted separately.
3	Construction schedule for each job.
4	Reasonable size maps for each location – see listing of AMRP Projects to date and accompanying 11” x 17” maps for each location and module and full-size maps of work areas.
5	A 3-month progress report showing the manner of replacing the pipes, progress and percentage of job finished, pressure testing, and accompanying pictures on CD-ROM.
6	Copies of updated welding certification for each welder kept on site for inspection by the Commission’s investigator.

Contractor Information

**Duke Energy Kentucky
Contractor Phone List**

Company Name	Names	Cell &/or Nextel #	247 #	Office	Fax	Address	City	State
Ams Construction	Kim	276-0327 / 45825*1 / HM. 513-398-6689	1ST CALL	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction	Dale	276-0329 / 45825*3 / HM. 937-795-0014	2nd CALL	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction (SKJ)	John	276-0328 / 45825*2 / HM. 513-734-2626	3rd CALL	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction	Jerod	276-0330 / 45825*4	4th CALL					
Ams Construction	Brad	276-0342 / 45825*16	5TH CALL	794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction	Leo	276-2831 / 45825*94						
Ams Construction	SKJ	SKJ		794-4433	794-4435	8917 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction	Ed	276-0351 / 45825*25		794-0410	794-0414	8915 Blue Ash Rd.	Cincinnati	Ohio
Ams Construction	Brenda	398-6689						
Arby Const. Manager	Terry	513-464-7049 / 136*41617*4	1ST CALL	513-321-3382	513-321-3731	4612 Kellogg Ave.	Cincinnati	Ohio 45226
Arby Const. Service Gen. Foreman/Parts Manager	Nick	513-286-0211	2nd CALL	513-321-3382	513-321-3731			
Arby Const.	Mike	517-719-4624	3rd CALL			mwhaley@quantaservices.com		
Arby Const.	Jerry	517-719-0037	4th CALL					
Arby Const. Assi. Manager	Mark	517-719-5441						
Arby Const.	Woessner	414-406-0783						
Arby Const.	Edwardo	513-464-7837						
Arby Const.	Lentz	414-406-4987						
Brewer Company	Ken	1-490-9070	1ST CALL	513-276-5616	513-576-1414	1354 US highway 50	Milford	Ohio
Brewer Company	Sal	513-218-1293	2ND CALL	513-276-0276				
Brewer Company	Rick	513-314-6188	3RD CALL	513-276-5616	513-576-1414	1354 US highway 50	Milford	Ohio
Brewer Company	Carl	513-646-3833	4TH CALL	576-6300 - Exl. 211	513-576-1414	1354 US highway 50	Milford	Ohio
CJ Hughes	David	513-623-9741 / 100*10513	1ST CALL	1-304-633-7412 / 513-623-9741	304-522-2729	PO Box 7305	Huntington	West Virginia
CJ Hughes	Fred	513-623-1127 / 237*13213	2ND CALL		513-469-8989	PO Box 7305	Huntington	West Virginia
CJ Hughes	Pat	513-200-8744 / 100*16940	3RD CALL					
CJ Hughes	Danny	513-623-9729 / 100*13206						
CJ Hughes	Terry	513-623-9731 / 100*13323						
CJ Hughes	Jim	513-623-9743 / 100*26663						
CJ Hughes	Jim	304-751-0273		1-304-522-3868	304-522-2729	PO Box 7305	Huntington	West Virginia
CJ Hughes	Tracy	614-554-8468				PO Box 7305	Huntington	West Virginia

**Duke Energy Kentucky
Contractor Phone List**

Company Name	Names	Cell &/or Nextel #	24/7 #	Office	Fax	Address	City	State
CJ Hughes	Brian Hughes (Maiental)	513-623-9741 / 100*12487		513-623-9725	513-561-4241	4169 B Round Bottom rd.	Cincinnati	Ohio
CJ Hughes	Office			1-304-522-3868	304-522-2729	PO Box 7305	Huntington	West Virginia
CJ Hughes	Office			1-304-522-3868	304-522-2729	PO Box 7305	Huntington	West Virginia
Henkels & McCoy- Foreman	Eversole	513-200-0406 / 35041*3	1ST CALL	740-927-1737	740-927-9632	Pataskala		
Henkels & McCoy- Manager	Maxwell	614-296-5632	2nd CALL	800-548-9240 / 740-927-1737	740-927-9632	Pataskala		
Henkels & McCoy	Terry	614-395-7886		740-927-1737	740-927-9632 513-494-1430	Pataskala		
Henkels & McCoy	Meredith	614-579-5353		419-589-9596	419-589-6688	Mansfield		
Henkels & McCoy	Postalwait	513-200-3297				Cincinnati		
Henkels & McCoy	Charles	513-200-4558/35041*10						
Henkels & McCoy	Clem	614-296-5290		740-927-1737	740-927-9632	Pataskala		
Henkels & McCoy	Dan	614-579-9050						
Henkels & McCoy	Dave	614-570-8163						
Henkels & McCoy	Craig	513-383-3366						
Infrasource- General Foreman	Trent King	WK 513-276-5336 304-655-8112	1ST CALL	1-513-772-3135	1-513-772-3148	2786 B Crescentville Rd Trent.King@infrasourceinc.com	West Chester	Ohio
Infrasource- General Superintendent	James (Tex)	513-276-8435 / 136*90947*9	2nd CALL	1-513-772-3135	1-513-772-3148	2786 B Crescentville Rd	West Chester	Ohio
Infrasource	Mike	734-417-0628	3rd CALL	1-734-434-2000	1-734-434-2001	4033 E. Morgan Rd. Mike.Preller@infrasourceinc.com	Ypsilanti	Michigan
Infrasource	Mike	1-734-395-3736	4TH CALL	1-734-434-2000	1-734-434-2001	4033 E. Morgan Rd. mike.lucas@infrasourceinc.com	Ypsilanti	Michigan
Infrasource	Shannon	513-276-3772	4TH CALL	1-734-434-2000	1-734-434-2001	4033 E. Morgan Rd. mike.lucas@infrasourceinc.com	Ypsilanti	Michigan
Infrasource	Emergency number on door hangers forwarded to pager	513-768-3096						
Infrasource	Russ	1-734-417-4800		1-734-434-2000	1-734-434-2001	4033 E. Morgan Rd. russ.doersch@infrasourceinc.com	Ypsilanti	Michigan
Infrasource	Jim	513-276-3927 / 136*90947*2		1-513-772-3135	1-513-772-3148	2786 B Crescentville Rd	West Chester	Ohio
Infrasource- Sr. Vice president	Randy	513-276-5394		1-513-772-3135	1-513-772-3148	2786 B Crescentville Rd	West Chester	Ohio
JTO (Premier) Construction	Stenger	623-1937				Randy.Harrison@infrasourceinc.com		
JTO (Premier) Construction	Dave	513-617-3268						
K & S Energy Services	Dana	513-617-7388	1st Call					
K & S Energy Services	Rick	262-613-5565				rick@ksenergyservices.com		
K & S Energy Services	Tom	513-617-7164						
K & S Energy Services	Mike	262-613-5566				mike@ksenergyservices.com		

**Duke Energy Kentucky
Contractor Phone List**

Company Name	Names	Cell &/or Nextel #	24/7 #	Office	Fax	Address	City	State
Miller Pipeline	Jack	200-5145 / 237*13215	1st CALL	513-738-8608	513-738-8610			
Miller Pipeline	Mike	937-603-2038	2nd CALL					
Miller Pipeline	CINTI OFFICE	513-738-8608	3rd CALL	513-738-8608	513-738-8610	10967 St. Rt. 128 Harrison, OH 45030		
Miller Pipeline	Steve	513-200-4775 / 237*1	4th CALL	1-513-513-738-8608	513-738-8610			
Miller Pipeline	Charlie	513-383-8579	5TH CALL					
Miller Pipeline	Scott	614-496-5228 / 237*1035		614-777-8377	614-771-5551	4990 Scioto Darby Road	Hilliard	Ohio
Miller Pipeline	Rachelle	513-738-8608		513-513-738-8608	513-738-8610			
NPL Local Ohio Office				513-542-0107 / 0129 Toll Free # 888-223-7566		3322 Beekman St. Cinti. OH 45223		
NPL - Superintendent	Randy	513-276-8252 (24 hr) 137*16464*27 nextel	1ST CALL	513-542-0107 / 0129 Toll Free # 888-223-7566	513-542-5100	RWNPL@JUNO.COM		
NPL - Coordinator	Harold	513-266-5374 (24 hr) 137*16464*72	2nd CALL					
NPL - Coordinator	Gary	513-276-9413 137*16464*12	3rd CALL					
NPL - Foreman	Ed	513-276-9504 / 137*16464*35						
NPL-Foreman	Jermiah	513-678-9955 / 137*16464*96						
NPL - Foreman	Billie	128*555*593						
NPL - Leadman	Johnnie	128*555*552						
NPL - Equip. & Safety	Terry	602-757-8119 / 128*555*621						
NPL - Area Manager	Jeff	602-725-2405 Cell		623-581-1098 Office Phoenix Az		igreen@nplcc.com		
NPL - General Superintendent	Jim	602-757-6959 Cell		623-581-1098 Office Phoenix Az		JGholson@nplcc.com		
NPL	John	602-757-3925 cell 128*555*542 nextel		623-581-1098 Office Phoenix Az				
NPL - Office Manager	Alicia			623-581-1098		Office in Phoenix AZ		
RLA	Scott	623-4258/ 35066*24	1ST CALL Pager- 513-648-1454	moodyji@hotmail.com	554-1455	603 Shepherd Ln.	Cincinnati	OH
RLA	Greg	513-617-2114/ 35066*9		554-1454	554-1455			
RLA	Rick	383-2351 / 35066*18		554-1454	554-1455			
RLA	Rob	543-8812		554-1454	554-1455			

Construction Management

Duke Energy Kentucky Construction Management

First Name	Last Name	Supervisor	Veh. #	Cellular #	Direct Connect #	Office #	Work Location	Mail Drop
Barry	Backscheider	Detton	3038	513-678-6104	136*24018*93	287-3290	Monfort	EF302
Mike	Blum	Cargile	3205	513-678-6106	136*24018*95	287-3290	Monfort	EF302
Dave	Boles	Krohman	3048	513-678-8363	136*24018*132	287-3290	Monfort	EF302
Bob	Bowling	Sizemore	3054	513-678-6105	136*24018*94	287-2325	Todhunter Rd.	EF354
Bill	Cargile	Farley	1268	513-678-6095	136*24018*84	287-2325	405 Annex	EX405
Jim	Detton	Farley	3066	513-218-0759	136*24018*3	287-5078	Valley View	EF308
Dan	Doyle	Detton	2647	513-678-6108	136*24018*97	287-3436	Monfort	EF302
Earl	Essert	Cargile	3466	513-678-6109	136*24018*98	287-3290	Monfort	EF302
Steve	Farley	Hebbeler	2793	513-255-3980		287-2588	405 Annex	EX405
Mike	Fish	Farley	3073	513-678-6096	136*24018*85	287-3290	405 Annex	EX405
Dan	Fry	Krohman	3206	513-678-6110	136*24018*99	287-3335	Monfort	EF201
Don	Goff	Fish	3559	513-678-6111	136*24018*100	287-3290	Monfort	EG346
Kevin	Hall	Maschmeyer	3058	513-678-6112	136*24018*101	287-3335	Florence	EF201
Greg	James	Prebble	3560	513-678-6113	136*24018*102	287-3436	Eastern Ave.	EG346
Kenny	Jones	Detton	2675	513-678-6115	136*24018*104	287-3290	Monfort	EF302
Jeff	Klei	Sizemore	2672	513-678-6116	136*24018*105	287-3290	Monfort	EF302
Rodney	Krohman	Farley	3850	513-543-0413		287-2527	406 Annex	EX406
Mary	Kuhl	Krohman	3083	513-678-8308	136*24018*131	287-3290	Eastern Ave.	EG346
Kevin	Malone	Prebble	3046	513-678-6117	136*24018*106	287-3436	Eastern Ave.	EG346
Mike	Maschmeyer	Farley	2770	513-678-6098	136*24018*87	287-3335	405 Annex	EX405
Wayne	Maynard	Prebble	2679	513-678-6118	136*24018*107	287-2988	Eastern Ave.	EF302
Mike	McAlpin	Detton	3561	513-678-6119	136*24018*108	287-3290	Monfort	EF302
Cliff	Mericle	Maschmeyer	2768	513-678-6120	136*24018*109	287-3631	Florence	EF201
Tony	Meyer	Cargile	3469	513-678-6121	136*24018*110	287-2988	Monfort	EF302
Scott	Newkirk	Sizemore	3468	513-678-6122	136*24018*111	287-2988	Todhunter Rd.	EF354
Fred	Phillips	Maschmeyer	2973	513-678-6124	136*24018*113	287-3335	19th St.	EF206
Mark	Prebble	Farley	1246	513-678-6125	136*24018*89	287-3436	405 Annex	EX405
Mike	Reed	Cargile	3056	513-678-6126	136*24018*114	287-2988	Monfort	EF302
Dave	Ruter	Prebble	3057	513-678-6128	136*24018*115	287-3436	Eastern Ave.	EG346
Jimmie	Sims	Maschmeyer	2678	513-678-6101	136*24018*117	287-3335	Florence	EF201
Don	Sizemore	Farley	3094	513-678-6101	136*24018*90	287-2988	405 Annex	EX405
Denny	Sizemore	Maschmeyer	2676	513-678-6129	136*24018*118	287-3335	Florence	EF201
Bob	Smyth	Prebble	3078	513-678-6130	136*24018*119	287-3436	Monfort	EF302
Chris	Snively	Sizemore	2677	513-678-6131	136*24018*120	287-2988	Todhunter Rd.	EF354
Tom	Sweitzer	Cargile	3520	513-678-6133	136*24018*122	287-3436	Monfort	EF302
Mike	Wagner	Krohman	3060	513-678-6139	136*24018*125	287-3335	Monfort	EF201
Rick	Waller	Krohman	3044	513-678-6140	136*24018*126	287-3631	Monfort	EF302

Contractor Manpower

Duke Energy Kentucky Contractor Manpower

Average Number of Contractor Personnel Per Month--2007

<u>Contractor</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Adletta Paving	6.00	-	1.00	-	7.00							
AMS	81.00	81.00	83.00	83.00	83.00							
Arby Construction	12.00	21.00	24.00	23.00	24.00							
Henkels & McCoy Inc	2.00	6.00	5.00	17.00	15.00							
Infrasource Underground	21.00	15.00	24.00	25.00	26.00							
KS Energy Services, Inc	3.00	-	-	-	-							
Miller Pipeline Corporation	71.00	65.00	66.00	68.00								
NPL Construction Co.	20.00	26.00	49.00	52.00	52.00							
Premier Energy	3.00	-	6.00	8.00	12.00							
RLA Investments Inc	39.00	37.00	49.00	52.00	57.00							
RW video - sub or RLA	2.00	-	2.00	-	-							
Bernard Concrete - sub for RLA	2.00	5.00	5.00	7.00	7.00							
Champion Cleaning - sub of RLA	-	-	11.00	-	6.00							
Harrison Excavating - sub for RLA	2.00	2.00	4.00	5.00	4.00							
Kin Contractors, Kin Underground - sub of RLA	-	-	4.00	-	-							
PLG Utility Restoration - sub for RLA	18.00	18.00	18.00	18.00	18.00							
The Brewer Company	9.00	3.00	30.00	44.00	52.00							
Total	291.00	279.00	381.00	402.00	363.00	-	-	-	-	-	-	-

Terms and Conditions

Sample

SERVICES AGREEMENT No. XXXXX
For
GAS UTILITY CONSTRUCTION SERVICES

THIS SERVICES AGREEMENT (the "Agreement") is made as of this X day of MONTH, YEAR (the "Effective Date") by and among Duke Energy Shared Services, Inc., as agent for and on behalf of Duke Energy Ohio, Inc. ("Duke Ohio"), Duke Energy Kentucky, Inc. ("Duke Kentucky"), Duke Energy Indiana, Inc. ("Duke Indiana"), Duke Energy Carolinas, LLC ("Duke Carolinas"), and all of their proper representatives, agents, successors, or assigns (hereinafter, collectively referred to as "Duke Energy"), and XXXXXXXX (the "Contractor"). Duke Energy and Contractor may be hereinafter individually referred to as a "Party" and collectively referred to as the "Parties."

WITNESSETH:

WHEREAS, Duke Energy desires to engage Contractor to perform certain natural gas utility construction services as more fully set forth in the Specifications attached hereto as Exhibit A (hereinafter the "Services"); and

WHEREAS, Contractor desires to furnish labor, supervision, tools, equipment, transportation, and all other aspects related to the performance of the Services, as needed to perform the Services described herein as requested by Duke Energy.

NOW, THEREFORE, in consideration of the premises and the mutual covenants and agreements contained herein, the Parties agree as follows:

AGREEMENT:

I. DEFINITIONS

"Agreement" shall mean this Services Agreement, all Exhibits, Amendments, and Change Orders to the Agreement and any and all other documents related hereto that are incorporated by reference in the Agreement.

"Amendment" shall mean a revision to or modification of the Agreement, which shall be in writing and shall be executed by Duke Energy and Contractor.

"Change" shall have the meaning set forth in Article 2.F.

"Change in Laws" shall mean (a) any binding adoption, promulgation, issuance, modification or change in administrative or judicial interpretation of Laws after the Effective Date (excluding any other Laws relating to Taxes or to the organization, existence, good standing, qualification, or licensing of Contractor or its Subcontractors in any jurisdiction) or (b) the imposition of any material condition or requirement (except for any conditions or requirements which result from the acts or omissions of Contractor or any Subcontractor) not required as of the Effective Date affecting the issuance, renewal or extension of any Government Approval (excluding any Government Approval relating to the organization, existence, good standing, qualification, or licensing of Contractor or its Subcontractors in any jurisdiction), and in each case (a) and (b) above, renders a Party unable, as demonstrated by credible evidence, to perform its respective obligations under this Agreement (excluding payment obligations).

"Change Order" shall have the meaning set forth in Article 2.F.

"Confidential Information" shall mean, with respect to any Party, all written, verbal, electronic and other information and documents such Party provides or makes available to the other Party relating in any way to this Agreement which are marked as being "Proprietary" or "Confidential" to such Party at the time of disclosure, or for verbal information reduced to a writing and marked or designated as being "Proprietary" or "Confidential" to a such Party within seven (7) Days after such verbal disclosure. "Confidential Information" shall not include any information that: (a) was already known to the other Party at the time it was disclosed by such Party; (b) was available to the public at the time it was disclosed by such Party; (c) becomes available to the public after being disclosed by such Party through no wrongful act of, or breach of this Agreement by, the other Party; (d) is received by the other Party without restriction as to use or disclosure from a third party; or (e) is independently developed by the other Party without benefit of any disclosure of information by such Party.

“Drug and Alcohol Policy” shall have the meaning set forth in Article 5.G.

“Effective Date” shall mean the date which appears in the first sentence of this Agreement.

“Force Majeure” shall mean: (a) war, riots, insurrection, rebellion, floods, hurricanes, tornadoes, earthquakes, lightning, and other natural calamities; (b) acts or inaction of any Government Authority which directly impacts the Services; (c) explosions or fires arising from lightning or other natural causes unrelated to acts or omissions of the Party; (d) a Change in Law; and (e) delays in obtaining goods or services from any Subcontractor caused solely by the occurrence of any of the events described in the immediately preceding subparts (a) through (d). Such acts, events or conditions listed in (a) through (e) above shall only be deemed a Force Majeure to the extent they: (i) directly impact the Services and are beyond the reasonable control of the Party, (ii) are not the result of the willful misconduct or negligent act or omission of such Party (or any Person over whom that Party has control), (iii) are not an act, event or condition, the risk or consequence of which such Party has expressly assumed under the Agreement, and (iv) cannot be cured, remedied, avoided, offset, or otherwise overcome by the prompt exercise of reasonable diligence by the Party (or any Person over whom that Party has control).

“Government Authority” shall mean any federal, state, city, county, local, municipal or foreign government, authority or body, and any department, agency, subdivision, court or other tribunal of any of the foregoing.

“Government Approvals” means all permits, licenses, authorizations, consents, decrees, waivers, privileges and approvals from and filings with any Government Authority required for, or material to, the performance of the Services in accordance with the Agreement, including work permits, environmental permits, licenses and construction permits.

“Hazardous Materials” shall mean:

- i. those substances defined as “hazardous substances” pursuant to Section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986 (42 U.S.C. Sections 9601 et seq.);
- ii. those substances designated as a “hazardous substance” pursuant to Section 311(b)(2)(A) or as a “toxic pollutant” pursuant to Section 307(a)(1) of the Clean Water Act (33 U.S.C. Sections 1251 et seq.);
- iii. those substances defined as “hazardous materials” pursuant to Section 103 of the Hazardous Materials Transportation Act (49 U.S.C. Sections 1801 et seq.);
- iv. those substances regulated as a “chemical substance or mixture” or as an “imminently hazardous chemical substance or mixture” pursuant to Section 6 or 7 of the Toxic Substances Control Act (15 U.S.C. Sections 2601 et seq.);
- v. those substances defined as “contaminants” pursuant to Section 1401 of the Safe Drinking Water Act (42 U.S.C. Sections 300f et seq.), if present in excess of permissible levels;
- vi. those substances regulated pursuant to the Oil Pollution Act of 1990 (33 U.S.C. Sections 2701 et seq.);
- vii. those substances defined as a “pesticide” pursuant to Section 2(u) of the Federal Insecticide, Fungicide, and Rodenticide Act as amended by the Federal Environmental Pesticide Control Act of 1972 and by the Federal Pesticide Act of 1978 (7 U.S.C. Sections 136 et seq.);
- viii. those substances defined as a “source”, “special nuclear” or “by-product” material pursuant to Section 11 of the Atomic Energy Act of 1954 (42 U.S.C. Section 2014 et seq.);
- ix. those substances defined as “residual radioactive material” in Section 101 of the Uranium Mill Tailings Radiation Control Act of 1978 (42 U.S.C. Sections 7901 et seq.);
- x. those substances defined as “toxic materials” or “harmful physical agents” pursuant to Section 6 of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.);
- xi. those substances defined as “hazardous air pollutants” pursuant to Section 112(a)(6), or “regulated substance” pursuant to Section 112(a)(2)(B) of the Clean Air Act (42 U.S.C. Sections 7401 et seq.);
- xii. those substances defined as “extremely hazardous substances” pursuant to Section 302(a)(2) of the Emergency Planning & Community Right-to-Know Act of 1986 (42 U.S.C. Sections 11001 et seq.);
- xiii. those other hazardous substances, toxic pollutants, hazardous materials, chemical substances or mixtures, imminently hazardous chemical substances or mixtures, contaminants, pesticides, source materials, special nuclear materials, by-product materials, residual radioactive materials, toxic materials, harmful physical agents, air pollutants, regulated substances, or extremely hazardous substances defined in any regulations promulgated pursuant to any environmental Law, and

xiv. all other contaminants, toxins, pollutants, hazardous substances, substances, materials and contaminants, polluted, toxic and hazardous materials, the use, disposition, possession or control of which is regulated by one or more Laws.

“Hazardous Wastes” shall mean those substances defined as “hazardous waste” pursuant to Section 1004(5) of the Resource, Conservation and Recovery Act (42 U.S.C. Section 6901 et seq.), and those other hazardous wastes defined in any regulations promulgated pursuant to any environmental Law.

“Laws” shall mean all statutes, laws, codes, ordinances, orders, judgments, decrees, injunctions, licenses, rules, permits, approvals, agreements, and regulations, including all Government Approvals and all applicable codes, standards, rules and regulations of the State.

“Liens” shall mean any lien, mortgage, pledge, encumbrance, charge, security interest, adverse condition or claim, easement, right of way, covenant, infringement claims or other defect in title or other restriction of any kind or nature.

“Materials” shall mean all materials, structures, buildings, apparatus, inventory, equipment, hardware, documentation, goods, tools, supplies and other personal property which Contractor is required to furnish under this Agreement for incorporation into the Services. “Material” includes all of the items that Contractor furnished through a Subcontractor.

“OHSa” shall mean the Occupational, Health and Safety Administration and any successor Government Authority thereto.

“Person” shall mean any individual, company, corporation, partnership, joint venture, association, joint stock company, limited liability company, trust, estate, unincorporated organization, Government Authority or other entity having legal capacity.

“Prudent Industry Practice” means those practices, methods, equipment, specifications and standards of safety and performance, as the same may be changed from time to time, as are commonly used in construction, operation, maintenance or repair of natural gas utilities similar to those identified in the Specifications, which in the exercise of reasonable judgment and in light of the facts known at the time of the decision being made are considered good, safe and prudent practices in connection with such construction, operation, maintenance or repair of the facilities and commensurate with the standards of safety, performance, dependability, efficiency and economy, and as are in accordance with generally accepted standards of professional care, skill, diligence, and competence applicable to such construction, operation, maintenance or repair practices in the United States.

“Sales Taxes” shall mean all present and future sales, use and similar taxes imposed by the State or any other Government Authority on the sale or transfer of any Materials from Contractor to Duke Energy during the performance of the Services by Contractor.

“Screening Measures” shall mean all applicable immigration checks (including compliance with the Immigration Reform Control Act of 1986 and I-9 requirements), Drug and Alcohol Tests, a terrorist watch database search, a social security trace, all reference checks, criminal background checks (including but not limited to checks for any felony convictions within the last seven years) and such other screening measures as a reasonably prudent employer would deem appropriate; provided that, nothing shall require Contractor to perform any screening activities that violate the federal Fair Credit Reporting Act, Title VII of the Civil Rights Act of 1964 or any other applicable Law.

“Services” shall mean all labor, services, Material, equipment, tools, vehicles, transportation, storage, design, engineering, procurement, Site preparation, construction, installation, equipping, testing, training, and other things and actions necessary to complete and to perform the Services set forth in the Specifications that reference this Agreement. "Services" includes all work Contractor performs through a Subcontractor.

“Site” shall mean the physical location where the Contractor shall perform the Services as identified in the Specifications.

“Specification” shall mean the detailed scoping document that sets forth the technical requirements for the performance of the Services and is attached hereto as Exhibit B, as may be modified or supplemented from time to time.

“State” shall mean the State in which the Services are performed, provided that, if the Services are being performed in multiple States, then the State of North Carolina.

“**Subcontractor**” shall mean a Person who has a direct or indirect contract with Contractor or another Subcontractor of any tier to perform any of the Services or to furnish any Material to Contractor, at the Site or elsewhere.

“**Taxes**” shall mean all present and future license, documentation, recording and registration fees, all taxes (including income, gross receipts, unincorporated business income, payroll, sales, use, personal property (tangible and intangible), real estate, excise and stamp taxes), levies, imports, duties, assessments, fees, charges and withholdings of any nature whatsoever, and all penalties, fines, additions to tax, and interest imposed by any Government Authority. Taxes shall also include all present and future customs, duties or levies or other import or export fees, including but not limited to any charges imposed by North American Free Trade Association (NAFTA).

II. SCOPE OF SERVICES

A. Contractor Tasks. Contractor shall perform the Services as specified by Duke Energy issued to the Contractor in this Agreement, including, but not exclusive to, those Services set forth in the Specifications attached to this Agreement as Exhibit A, which is incorporated herein by reference. Contractor shall diligently, duly and properly perform and complete the Services and its other obligations in accordance with this Agreement, and shall provide and pay for all items and services necessary for the proper execution and completion of the Services. Contractor shall perform and provide all Services not specifically delineated in this Agreement to the extent necessary to complete the Services in accordance with Prudent Industry Practices. Contractor shall be solely responsible for all means, methods, techniques, sequences, procedures, safety and quality assurance, and quality control programs in connection with the performance of the Services. This Agreement does not establish any commitment or requirement on the part of Duke Energy to purchase any minimum level of Services from Contractor. Duke Energy may use, at its sole discretion, other contractors to perform the Services described in this Agreement. This Agreement shall be governed solely by the terms of this Agreement as expressly indicated. Contractor shall complete the Services in accordance with the schedule agreed upon in this Agreement.

B. Site of Services. Contractor shall provide the Services at the Sites identified in Exhibit A and at such other locations as mutually agreed to in writing by the Parties. Duke Energy reserves the right to modify, supplement, suspend or terminate the Contractor’s Services at any one or more of the Sites at any time upon prior written notice. Contractor has reviewed the various Sites and the access to the Sites, and acknowledges that they are sufficient for the performance of the Services. Contractor represents and warrants that it has taken all steps necessary to ascertain the nature and location of the Services and that it has investigated and satisfied itself as to the general and local conditions that can affect the Site or the performance of the Services, including: (a) conditions bearing on access, egress, transportation, waste disposal, handling, lay down, parking and storage of Materials; (b) the availability of labor, water, electric power, other utilities, roads and rail transportation; (c) uncertainties of weather and observable physical conditions at the Site; (d) any natural physical condition of the surface of the Site which influences the suitability of the Site for the Services; and (e) the character of equipment and facilities needed before and during the performance of the Services. Duke Energy will arrange reasonable access to the Site for additional inspection and testing by Contractor after receiving adequate notice from Contractor of its desire to review the Site. Contractor will not be entitled to any adjustment in the Billing Rates or schedules for any Site conditions which Contractor would have or should have reasonably discovered if it had taken such reasonable steps.

C. Equipment. Duke Energy shall provide the Duke Energy tools and equipment listed in Exhibit A, if any, for Contractor to perform the Services for Duke Energy at no cost to Contractor. Contractor shall make no alterations to the Duke Energy equipment without the prior written authorization of Duke Energy. Title to the Duke Energy equipment, and all additions, enhancements and accessions thereto, shall remain in Duke Energy during the Term of this Agreement and upon termination or expiration of this Agreement. Contractor shall be responsible for risk of loss of or damage to the Duke Energy equipment during the Term of this Agreement. Except as expressly provided in Exhibit A, Contractor shall provide and Duke Energy shall not be required to provide any equipment or supplies to Contractor for the performance of Services by Contractor.

D. Inspections and Rights of Access. Duke Energy reserves the right to monitor and inspect the performance of the Services at all times and shall have the right to monitor and reject any items brought onto the Duke Energy premises by the Contractor or any of its employees, agents or assigns. Contractor shall at all times maintain an accurate record of all costs and transactions relating to the Services under this Agreement, and Duke Energy shall have the right to inspect and copy such records at all reasonable times during normal business hours.

E. Compliance with Laws, Policies and Procedures. Unless Contractor is exempted by the applicable rules, regulations or orders, Contractor shall comply fully at all times relevant to this Agreement with all applicable Laws,

including, but not limited to: (a) Executive Order 11246 issued by the President of the United States on September 24, 1965; (b) the Vietnam Era Veterans Readjustment Assistance Act of 1974 and applicable sections of 41 CFR and 48 CFR 52.222.35 relating to the employment of veterans; (c) Section 503 of the Rehabilitation Act of 1973 and 48 CFR 52.222-36; (d) regulations of the United States Occupational Safety and Health Act; (e) 15 U.S.C. 637(d)(3) and 48 CFR 52.219 (Aid to Small Business); (f) 48 CFR 52.202-1 (Definitions); (f) 48 CFR 52.203-3 (Gratuities); (g) 48 CFR 52.203-5 (Covenant Against Contingent Fees); (h) 48 CFR 52.203-6 (Restrictions on Subcontractor Sales to the Government); (i) 48 CFR 52.203-7 (Anti-Kickback Procedures); (j) 48 CFR 52.203-8 (Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity); (k) 48 CFR 52.209-6 (Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment); (l) 48 CFR 52.212-5 (Contract Terms and Conditions Required to Implement Statutes or Executive Orders- Commercial Items); (m) 48 CFR 52.215-19 (Notification of Ownership Changes); (n) 48 CFR 52.222-21 (Prohibition of Segregated Facilities); (o) 48 CFR 52.222-26 (Equal Opportunity); (p) 48 CFR 52.223-13 (Certification of Toxic Chemical Release Reporting); (q) 48 CFR 52.223-14 (Toxic Chemical Release Reporting); (r) 48 CFR 52.229-1 (State and Local Taxes); (s) 48 CFR 52.232-23 (Assignment of Claims); (t) all applicable rules, regulations and orders issued by the United States Secretary of Labor under any of the foregoing; and (u) all amendments of the foregoing that may be made from time to time. "CFR" is the Code of Federal Regulations. Contractor agrees that the provisions of 48 CFR 52.219-8, Utilization of Small Business Concerns and Small Disadvantaged Business Concerns, and any subsequent amendments shall, to the extent they may be applicable to this Agreement, be incorporated in this Agreement by reference as if set forth herein in full test.

In addition, Contractor shall comply with all policies, procedures and rules applicable to any Duke Energy Site, including but not limited to the Duke Energy's "Contractor Operating Procedure" attached hereto as part of Exhibit A, which is incorporated herein in full. Duke Energy reserves the right, in its sole discretion, to update, amend or modify its Site policies and procedures, including the Contractor Operating Procedures and standards, at any time upon written notice.

F. Changes and Change Orders. Without invalidating the Agreement, Duke Energy may order changes in the Services consisting of additions, deletions or other revisions ("Change"). Contractor may not order Changes to the Services, but if Contractor believes that due to changed circumstances a Change is required, it may request that Duke Energy issue a Change. If Duke Energy desires a Change, it shall submit a written proposal to Contractor describing the Change. Contractor shall promptly review Duke Energy's proposal and notify Duke Energy in writing of the effect, if any, that the Change would have, in Contractor's judgment, on the Billing Rates or the schedule. If Duke Energy desires to proceed with the Change, it shall issue a written order to Contractor authorizing the Change and any agreed upon adjustment in one or more of the Billing Rates or Schedule (the "Change Order"). If the Parties cannot agree on the increase or decrease in Billing Rates associated with a Change, upon receiving written notice from Duke Energy but not before, Contractor shall continue the Services ordered in the Change Order and submit the Dispute to the dispute resolution procedures pursuant to this Agreement, and during such dispute resolution process, Duke Energy shall pay Contractor its actual direct cost plus seven percent (7%) for overhead and profit for Contractor, minus any savings associated with the Change. Contractor's "direct cost" as used in this Article, includes labor and material actually, additionally, specifically, reasonably and necessarily expended or provided in accomplishing the work ordered in the Change Order, and the actual costs not to exceed reasonable rental charges for equipment utilized in such Services. Duke Energy's project manager and Contractor's project manager shall have the sole and exclusive authority to execute and deliver Change Orders on behalf of Duke Energy and Contractor, respectively.

III. TRAINING AND QUALIFICATIONS OF PERSONNEL

A. Sufficient Personnel. At all times during the Term of the Agreement, Contractor shall employ a sufficient number of qualified employees, who shall be licensed if required by Laws, so that Contractor completes the Services and Contractor's other obligations under this Agreement in an efficient, prompt, economical and professional manner. Contractor's service personnel shall be capable, qualified, and able to perform the duties required to the satisfaction of Duke Energy. In addition, as it may be necessary to access protected areas of the Site to provide services, appropriate service personnel must be fully qualified (or retain the ability to be qualified on an expedited emergency basis) for unescorted access in accordance with Duke Energy's regulations and procedures (including if applicable, fitness for duty compliance, background check, radiation protection and security training). Duke Energy shall have the right to require Contractor to remove any personnel from the Services who is (are) not acceptable to Duke Energy. In such event, Contractor shall bear any reasonable expenses associated with the removal and replacement of such unacceptable employee(s) during the Term of this Agreement. Any Person who is removed from the Services at Duke Energy's request or for violation of any term or condition set forth in this Agreement shall not be eligible to provide any future services for Duke Energy under this Agreement without the express prior written consent of Duke Energy.

B. Qualifications; Supervision. Contractor shall comply in all respects with all applicable labor and immigration Laws that may impact Contractor's Services under this Agreement, including the Immigration Reform and Control Act of 1986 and Form I-9 requirements. Without limiting the generality of the foregoing, Contractor shall perform all required employment eligibility and verification checks and maintain all required employment records. Contractor acknowledges and agrees that it is responsible for conducting adequate screening of its employees and agents prior to starting the Services. By providing an employee or subcontractor under this Agreement, Contractor warrants and represents that it has completed the Screening Measures with respect to such employee or subcontractor and that such Screening Measures did not reveal any information that could adversely affect such employee's or Subcontractor's suitability for employment or engagement by Contractor or competence or ability to perform duties under this Agreement. If in doubt whether a suitability, competence or ability concern exists, Contractor shall discuss with Duke Energy the relevant facts and Duke Energy will determine, in its discretion, whether such person should be allowed to perform the Services. Duke Energy, in its sole discretion, shall have the option of barring from the Site any person whom Duke Energy determines does not meet the qualification requirements set forth above. In all circumstances, Contractor shall ensure that the substance and manner of any and all background checks performed by Contractor pursuant to this Article conform fully to applicable Law. Contractor shall supervise, coordinate and direct the Services using Contractor's best skill, judgment and attention.

C. Discipline. Contractor shall enforce strict discipline and good order among Contractor's employees, Subcontractors' employees and all other Persons carrying out the Services. Contractor shall at all times take all necessary precautions to prevent any unlawful or disorderly conduct by or among its employees, employees of Subcontractors and other Persons performing the Services and for the preservation of the peace and the protection of Persons and property at, or in the neighborhood of, the Site. Contractor shall only permit the employment of Persons who are fit at the time they are employed and on each day they perform Services, who are skilled in the tasks assigned to them, and who are qualified to perform the tasks assigned to them. Contractor shall be responsible for labor peace on the Site and shall at all times exert its best efforts and judgment as an experienced contractor to adopt and implement policies and practices designed to avoid work stoppages, slowdowns, disputes and strikes where reasonably possible and practical under the circumstances. Duke Energy shall have the right to object to any Person employed or engaged by Contractor who engages in misconduct or is incompetent or negligent while on the Site or while performing the Services. Contractor shall remove those Persons to whom Duke Energy objects from the Site and from the performance of the Services. Any cost for replacement Persons shall be at Contractor's expense.

D. Quality Control. Contractor shall develop, implement and maintain a written plan for the Services, which shall include: safety; security at the Site; quality assurance; management and control of the Services; and management and control of Subcontractors and their subcontracts. That plan shall, at a minimum, meet the requirements of Duke Energy's then-current Safe Work Practices Manual, generally applicable safety, security and operational procedures of the Site, and all Laws. If Contractor has not already done so, Contractor shall deliver, and keep current, the plan to Duke Energy for review and comment on within ten (10) Days after the issuance of this Agreement. Contractor shall also require all Subcontractors to establish, implement and maintain such quality control and safety programs for their portions of the Services.

E. Training. Contractor shall comply with all federal, state, and local laws, rules, orders, ordinances, regulations, and other requirements applicable to the Work and the performance thereof, including the Operator Qualification (OQ) rule (49 CFR 192 & 195), Department of Transportation. If available, the Contractor's current written OQ plan that fulfills this requirement should be sent for file to:

Duke Energy Kentucky, Inc.
Attn: OQ Coordinator
1934 Augustine Ave
Covington, KY 41014

Contractor is solely responsible to insure that all employees and/or Subcontractors performing OQ covered task associated with the Work are trained on the Duke Energy requirements and policies. Before placing an employee or subcontractor in the field, Contractor is responsible to either contact Duke Energy OH/KY Gas Operations Technical Training division to schedule the necessary training or obtain the necessary training by other means acceptable to Duke Energy, which shall be approved in advance. Duke Energy will provide a representative to train the Contractor's employees during normal business hours. Contractor should appoint a project manager to coordinate training and interact with Duke Energy. All training materials provided by Duke Energy are proprietary and shall not be reproduced and/or shared beyond Contractor and its employees who have a need to know.

IV. BILLING AND PAYMENT

A. Billing Rates. The Services performed pursuant to this Agreement shall be in accordance with the terms for payment set forth in Exhibit A. For the Services performed pursuant to this Agreement, Duke Energy agrees to pay the Contractor the rates and fees set forth in Exhibit B attached hereto and incorporated herein by reference, unless such other rates are mutually agreed upon (the "Billing Rates"). To avoid any ambiguity, the Agreement currently anticipates that Services will be performed pursuant to the *unit rate (and current on file time and material)* Billing Rates set forth in Exhibit B; provided however, the Parties may from time to time agree on alternative or supplemental Billing Rates for the Services, including but not limited to lump sum, unit rate or time and materials rates, with such alternative rates set forth in an applicable Change Order.

B. Invoicing. Unless otherwise mutually agreed, Contractor shall submit weekly invoices to Duke Energy for its Services. If not specified, each week Contractor shall invoice Duke Energy for the Services performed during the prior week in accordance with the Billing Rates set forth in Exhibit B. Overtime and holiday Billing Rates shall be invoiced only if specifically requested by Duke Energy and only for time actually worked, and, to the extent permitted by applicable law, overtime shall be invoiced only for time in excess of forty (40) hours per week and not on a daily basis. Each such invoice shall be in a form mutually acceptable to the Parties and shall be accompanied by such time sheets, payroll and other documentation as may be necessary or reasonably requested by Duke Energy to evidence to the satisfaction of Duke Energy the number of hours worked by each employee during such prior week and any other item appearing on such invoice. Each invoice shall contain the following information as required by Duke Energy:

- (i) Weekly and year-to-date total amounts for the Services;
- (ii) Monthly subtotals for Services at each Site; and
- (iii) A detailed description of any extraordinary or additional expenses for which Contractor is seeking payment by Duke Energy.

C. Payment. Subject to any withholding or offset for disputed amounts, Contractor shall be paid net forty-five (45) days from receipt, or as otherwise specified under this Agreement. Duke Energy shall be entitled to review and audit such invoices within a reasonable amount of time prior to payment. No payment made by Duke Energy hereunder shall be deemed to constitute an admission by Duke Energy that the charges covered thereby are correct under the terms of this Agreement. Any dispute by Duke Energy of an invoice shall be subject to the dispute resolution procedures. Duke Energy shall have the right to withhold and offset any damages to Duke Energy against amounts due to Contractor until such time as the dispute is resolved.

V. SAFETY AND SECURITY

A. Safety Practices. The Services shall comply with the provisions of all applicable OSHA requirements and all Laws, including Contractor's obligations as an employer with regard to health, safety and payment of its employees and identification and procurement of required permits, licenses, certificates, approvals and inspections. Contractor and all personnel involved in the performance of the Services under this Agreement, including but not limited to, employees, subcontractors, and assigns, shall follow all required security and safety procedures while at the Sites to achieve a safe and injury free work place. All Services performed for Duke Energy shall comply with Duke Energy's Safe Work Practices Manual (as may be updated from time to time) applicable sections: First Aid Category, Hazardous Chemicals, Incident Reporting Category, Motor Vehicles Category, Housekeeping Category; Outdoors Hazards Section only, Materials Handling Category and Pesticides Category and all applicable Laws thereto. Written alternative work or safety practices shall be submitted to Duke Energy and used only upon written approval by Duke Energy. In addition, Contractor shall follow detailed technical safety and security specifications when such documents are provided by Duke Energy. Contractor shall be responsible for maintaining and supervising all safety and security precautions and programs in connection with its services under this Agreement. Services performed under this Agreement shall comply with State DOT (Department of Transportation) regulations and guidelines concerning traffic control and work zone set up, ANSI (American National Standards Institute) Z133.1 standard, and OSHA regulations and (i) 29 CFR 1910 General Industry Standards including 29CFR1910.269, (ii) 29 CFR 1926 Construction Standards and (iii) all other applicable regulations. Contractor shall prepare and submit to Duke Energy an incident investigation report for all minor injuries, near miss accidents, and OSHA Recordable Injuries.

B. Former Duke Energy Employees. Contractor shall provide Duke Energy in writing prior to any Services being performed under this Agreement, the name(s) of any person(s) employed or engaged by the Contractor who were previously employed with Duke Energy. Duke Energy reserves the right to direct the Contractor to remove any person

from Duke Energy's premises who is not acceptable to Duke Energy. If directed by Duke Energy, the Contractor shall bar such person(s) from the location and from performing Services under this Agreement. Any of Contractor's employees who are removed from the job at Duke Energy's request, will not be eligible for reassignment to a Duke Energy job unless approved in writing by Duke Energy.

C. Readiness for Services; Appearance. Contractor's employees, agents or other personnel shall at all times be dressed in clean, neat clothing, and shall observe all Duke Energy hygiene regulations and rules in effect while at the Sites.

D. Hazardous Materials Management. Contractor shall comply with all local, state and federal Laws with regards to chemicals stored in Contractor's vehicles or on-site storage facilities. Contractor must provide the following information to Duke Energy's environmental contact person at least two (2) weeks before the start of Services at any Duke Energy Site: (a) a list of all chemical products that will be brought onto such Duke Energy premises, including the trade name, manufacturer, maximum quantity to be stored and number of days on site for each product; (b) copies of Material Safety Data Sheets (MSDS) for all chemical products identified on such list (the product trade name on the MSDS must match the name that appears on the product label); (c) the ingredients of any chemical brought on such premises which has any of the following constituents:

- Ammonia (CAS # 7664-41-7) – may occur in cleaning supplies
- Asbestos (any type) – may occur in paints, tiles, mastic, insulation
- Butadiene (CAS # 87-68-3) – may occur in paints
- Cadmium and cadmium Compounds – may occur in silver solder, welding rods, paints, fly ash
- Chlorine (CAS # 7782-50-5) – may occur in bleaches
- Formaldehyde (CAS # 500-00-0) – may occur in fiberglass insulation, encapsulates, sealfas coating
- Hydrogen Sulfide (CAS # 7783-06-4) – may occur in asphalt
- Inorganic Arsenic
- Lead and Lead Compounds – may occur in paints
- Man-Made Vitrious Fibers – may occur in insulation
- Methylene Chloride (CAS # 75-09-2) – may occur in paints, solvents, strippers
- Methylenedianiline (MDA) – (CAS # 101-68-8) – may occur in grouting materials, paints
- Phosphorus (CAS # 7723-14-0) – may occur in welding rods, solder, brazing alloys
- Sulfuric Acid (CAS # 7664-93-9) – may occur in batteries and cleaning supplies

If Contractor desires to introduce additional chemicals to the Site during the course of performance of the Services, Contractor must notify Duke Energy's authorized representative prior to such introduction. Contractor shall comply with, and, at its expense, train its personnel to comply with, Duke Energy's PCB and Oil Spill Response Process. Contractor must adhere to Duke Energy's disposal, recycling and housekeeping programs during the performance of the Services at any premises owned or operated by Duke Energy. Contractor shall take all reasonable measures to minimize wastes generated at any premises owned or operated by Duke Energy. Contractor shall notify promptly Duke Energy's environmental contact person of any waste that is generated at any Duke Energy Site. At the completion of the Services, Contractor will remove any chemical products brought on-site. Contractor shall leave the work site clean and orderly. Contractor shall be responsible for the disposal of all debris, including all scrap wire, reels, packaging materials.

Contractor shall notify and summarize for Duke Energy any significant alleged or actual violations, noncompliance or deficiencies that the Contractor has received from regulatory agencies when such violations are related to or could negatively impact the Services performed under this Agreement. Notifications are to be forwarded to:

Jeffery T. Dierker
Duke Energy, Mgr EH&S Midwest PD Field Support
315 Main Street
Cincinnati, OH 45202

E. Use of Explosives. Use of explosives in a manner that might disturb or endanger the stability, safety or quality of the Services will not be allowed. Explosives shall be stored, handled and used as prescribed by the laws and regulations of the United States and the State in which the Services is performed, their agencies, and any political subdivisions thereof. Contractor shall be responsible for removal of all unused explosives.

F. Incident Reporting. In addition to reporting to Government as required by Laws, Provider shall promptly report in writing to Duke all accidents and near misses arising out of or in connection with the Services in accordance with Duke’s site policies and procedures. For all accidents that cause death, serious bodily injury or property damage, Contractor shall immediately notify the Duke’s Project Manager and the Duke’s health and safety representative by telephone or messenger giving full details and statements of any witnesses. Contractor shall complete a human resources report for Duke within twenty-four (24) hours for all damage, injuries and near misses. Contractor will collect and maintain safety and health data for the performance of the Services, which will include but not be limited to total hours worked, incidents, near misses, lost work days, restricted duty, recordable injuries, workers compensation experience modifier, and any OSHA or state plan citation history. Upon request, Contractor will provide this data to Duke Energy.

G. Intoxicants and Narcotic Drugs. Contractor shall not permit or tolerate the introduction or use of intoxicating liquor, narcotic drugs, gambling or gambling paraphernalia at any Duke Site or during the performance of any Services. Any employee or agent of Contractor found engaging in such activities shall be removed and permanently barred from Duke Energy property, including any and all Sites. Contractor, its Subcontractors, and managers shall establish and implement a substance abuse program, which includes requirements meeting or exceeding the terms, set forth below (the “Drug and Alcohol Policy”). This Drug and Alcohol Policy shall apply to all Services at all existing and future Duke Energy Sites.

Within the first five (5) business days of the commencement of any Services, Contractor shall submit to Duke Energy a written statement certifying that each employee assigned to the Services, including all labor, craft, supervision and management employees, has completed a substance abuse screening test within the past twelve (12) months and has not tested positive, or if the employee tested positive, was referred to a Substance Abuse Professional (“SAP”) for an evaluation, has completed or is complying with the SAP’s recommendations, and has been retested and tested negative.

In addition, for any Services to be performed by Contractor for Duke Energy Indiana, Duke Energy Ohio or Duke Energy Kentucky, the Drug and Alcohol Policy shall be consistent with the Metro Indianapolis Coalition for Construction Safety (“MICCS”), the Mobilization Optimization, Stabilization, and Training (“MOST”), and the Construction Owners Association of the Tri-State (“COATS”) COATS/Bethesda substance abuse testing programs. Any Contractor performing Services for Duke Energy in the Metro Indianapolis area shall participate in the MICCS standardized substance abuse testing central data base program. Any Contractor performing Services for Duke Energy in the Cincinnati/Tri-State area shall likewise participate in the COATS/Bethesda substance abuse testing program.

(1) Minimum Substance Abuse Testing Parameters

The following are the minimum substance abuse testing parameters:

- a. Use of a National Institute of Drug Abuse (“NIDA”) approved laboratory.
- b. Use of a Medical Review Officer (“MRO”) for confirmation of positive test results.
- c. Use of a NIDA 5 Panel Drug Screen with the following cut-off and confirmation levels:

	ng/ml <u>cut-off</u>	ng/ml <u>confirmation</u>
Marijuana (THC, Cannabinoids)	50	15
Amphetamines	1000	500
Cocaine	300	150
Phencyclidine (PCP)	25	25
Opiates	2000	2000

- d. Use of an evidential breath-testing device to detect the consumption of alcohol with a positive cutoff level of .04 percent.

Contractor shall test all employees involved in any accident requiring consultation with a doctor or medical treatment beyond first aid, or when there is probable cause as determined by Contractor or by Duke Energy.

Contractor shall implement a random substance abuse testing program that meets the minimum requirements set forth herein or certify that the employees assigned to the Services are currently participating in a qualified random substance abuse testing program (“Qualified Program”). A Qualified Program must require, on an annual basis, a number

of random tests equal to an annual rate of fifty percent (50%) of the total number of Contractor employees assigned to the Services and comply with the minimum substance abuse testing parameters stated herein.

(2) Random Substance Abuse Testing Minimum Requirements

The random selection method used by Contractor shall be truly random and credible. Random substance abuse testing is required for Services having duration of greater than one (1) week. The number of random substance abuse tests to be administered by Contractor shall be equal to the greater of ten percent (10%) of Contractor employees assigned to the Services or fifty percent (50%) times the number of Contractor employees assigned to the Services times the duration of the Services in weeks divided by 52. For example:

If the duration of the Services is 4 weeks and the number of Contractor employees assigned to the Services is 100, a minimum of 10 percent, 10 random substance abuse tests would be performed because:

$$\frac{50\% \times 100 \text{ employees} \times 4 \text{ weeks}}{52 \text{ weeks}} = 3.8 \text{ tests}$$

If the duration of the Services is 26 weeks and the number of Contractor employees assigned to the Services is 100, 25 random substance abuse tests would be performed.

$$\frac{50\% \times 100 \text{ employees} \times 26 \text{ weeks}}{52 \text{ weeks}} = 25 \text{ tests}$$

B. Immediately upon receipt of test results, Contractor shall remove from the job site any Contractor employee who tests positive or in any way does not comply with the Policy. Contractor shall not allow an employee who tests positive to return to the Services for the duration of the project and Term of this Agreement, unless, following

Duke Energy may, at its sole discretion, upon notice to Contractor, audit Contractor's substance abuse testing records relating to the Services. Duke Energy encourages Contractor to offer employee assistance to all employees who test positive and to have employees visit a SAP.

H. Fraud and Ethics. Contractor and/or its Subcontractors shall promptly report any fraud, illegal activity, fiscal waste or abuse, or other violations of Duke Energy's Code of Business Ethics (for reviewed at www.dukeenergy-ethicsline.com) by any Person, including but not limited to Contractor's sub-suppliers and other service providers. Such activity may be reported by contacting: (a) the applicable Duke Energy Contract Administrator, (b) Duke Energy's Chief Compliance Officer at 704-382-6510, (c) Duke Energy's Ethics Line at 800-525-3783, which may be called anonymously, or (d) Duke Energy's website at www.dukeenergy-ethicsline.com which is managed by a third party.

VI. TERM, DEFAULT AND TERMINATION

A. Term. The term of this Agreement shall be from MONTH, DATE, YEAR to MONTH, DATE, YEAR ("Term"), provided that this Agreement may be terminated by Duke Energy for its convenience upon ninety (90) days prior written notice by giving written notice of its intent to terminate this Agreement. Termination of this Agreement shall not affect the respective liabilities and obligations of both Parties incurred up to the date of termination. Prior to the expiration of this Agreement, both Parties shall have the opportunity to confer and mutually agree to extend this Agreement from year to year, provided however, either Party may withhold such agreement in its sole discretion. Should either Party desire to extend or renew this Agreement, such Party shall provide the other Party with a sixty (60) day written notice, which shall result in the commencement of discussions between the Parties about a renewal or extension of this Agreement.

B. Default. Each of the following events is an event of default under the Agreement:

(1) Duke Energy fails to pay Contractor in a timely manner any sum due under the Agreement and such failure continues for thirty (30) days after Duke Energy receives written notice from Contractor that the payment is past due.

(2) Contractor abandons the Services, fails to adhere to the schedule or complete the Services by the completion date set forth in this Agreement. Time is of the essence in performance of the Services under this Agreement.

(3) Contractor fails to obtain or maintain the insurance required by the Agreement.

(4) Contractor assigns or transfers, or attempts to assign or transfer, this Agreement or any right or interest herein, except as expressly authorized by Duke Energy in writing.

(5) Either Party files a petition commencing a voluntary case under the U.S. Bankruptcy Code, or for liquidation, reorganization, or an arrangement pursuant to any other U.S. or state bankruptcy Laws, or shall be adjudicated a debtor or be declared bankrupt or insolvent under the U.S. Bankruptcy Code, or any other U.S. Federal or state Laws relating to bankruptcy, insolvency, winding-up, or adjustment of debts, or makes a general assignment for the benefit of creditors, or admits in writing its inability to pay its debts generally as they become due, or if a petition commencing an involuntary case under the U.S. Bankruptcy Code or an answer proposing the adjudication of such Party as a debtor or a bankrupt or proposing its liquidation or reorganization pursuant to the Bankruptcy Code or any other U.S. federal or state bankruptcy Laws is filed in any court and such Party consents to or acquiesces in the filing of that pleading or petition or answer is not discharged or denied within sixty (60) days after it is filed.

(6) A custodian, receiver, trustee or liquidator of Contractor, all or substantially all of the assets or business of Contractor, or of Contractor's interest in the Agreement is appointed in any proceeding brought against Contractor and not discharged within sixty (60) days after that appointment, or if Contractor shall consent to or acquiesces in that appointment.

(7) Contractor breaches any other covenant, condition, or obligation in this Agreement other than those set forth above and fails to cure such breach within ten (10) Days after Duke Energy give Contractor written notice specifying the default and demanding that the same be remedied; **provided** that if such breach is not capable of being cured within such 10-day period and Contractor commences and diligently proceeds to cure the alleged default within such 10-day, the time for such cure shall be extended to thirty (30) days after the original notice.

C. Remedies. Upon the occurrence and continuation of an event of default, a Party at its option may take one or more of the following actions: (a) terminate the Agreement by giving the other Party written notice; (b) if Duke Energy, recover from Contractor immediately, as damages for loss of bargain and not as a penalty, and in addition to all other amounts Duke Energy is entitled to recover under the Agreement, an amount equal to the cost of completing the Services; (d) if Duke Energy, cure the default at Contractor's expense and offset the amounts against future payments; and (d) recover from the other Party any other damages described in this Agreement.

Upon the termination of this Agreement for any reason, Contractor shall vacate the Sites immediately and shall return the Site and the Duke Energy Equipment to Duke Energy in the same condition as when originally made available to Contractor, reasonable wear and tear excepted. If Contractor fails to remove its personal property from the Site(s) upon termination of this Agreement within a reasonable time, Duke Energy shall have the right to remove and store all of said property at the expense of Contractor. Duke shall not be required to store the property longer than sixty (60) days. After such sixty (60) day period then Duke Energy shall have the right to sell such property or assume ownership of the same with no further liability to Contractor.

In the event this Agreement is re-bid early or at the conclusion of the Term of this Agreement, a transition plan will be developed and mutually agreed by both Parties to minimize additional cost and maintain performance levels. Failure of the Contractor to follow the plan will result in the non-payment of the final month's invoice to Contractor.

VII. INSURANCE

Contractor shall maintain insurance with coverage and minimal limits of liability as follows:

- i. Worker's Compensation insurance with statutory limits, and employer's liability insurance with limits of not less than \$1,000,000. This insurance shall contain a waiver of subrogation rights against Duke Energy.
- ii. Commercial General Liability or equivalent insurance with a combined single limit of not less than \$2,000,000 per occurrence. Such insurance shall include but not be limited to products/completed

operations liability, owners protective, blanket contractual liability, personal injury liability and broad form property damage.

- iii. Comprehensive automobile liability (or equivalent) insurance with a combined single limit of not less than \$1,000,000 per occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles, and contractual liability.

All required insurance shall be provided by companies reasonably acceptable to Duke Energy or that have a Best Rating of A⁻⁷ or higher. All of such insurance, including renewals, shall be subject to Duke Energy's approval and evidence of such coverages shall be furnished to Duke Energy on Certificates of Insurance indicating such insurance is in force and providing that it will not be canceled without thirty (30) days prior written notice to Duke Energy. Certificates of Insurance shall be filed with Duke Energy prior to commencement of Services hereunder. Contractor shall name Duke Energy as an additional insured under all of the policies referenced above (excluding worker's compensation).

All policies of insurance required shall be endorsed or shall otherwise provide that Contractor's insurance shall be primary with respect to Contractor's acts or omissions and not be in excess of, or contributing with, any insurance maintained by Duke Energy and its assigns. All policies shall include waivers of any right of subrogation of the insurers thereunder against Duke Energy. Each Party agrees to promptly notify the other Party in writing of any claims against either Duke Energy or Contractor and in the event of a suit being filed, shall promptly forward to the other Party all papers in connection therewith

VIII. INDEMNIFICATION

Contractor shall be liable for all damages or injuries occurring to persons or property that are caused by its negligence or its failure to comply with this Agreement. Further, Contractor hereby agrees to, and shall indemnify, hold harmless and defend Duke Energy during the period of any applicable statute of limitation from and against any and all actions or causes of action, claims, demands, liabilities, losses, damages, infringement of intellectual property or other proprietary rights, or expenses of whatever kind or nature, including attorneys' fees, which Duke Energy may suffer or incur by reason of bodily injury, including death, to any person or persons, or by reason of damage to or destruction of any property, including the loss of use thereof, arising out of or in any way connected with Contractor's activities pursuant to the Agreement where the Contractor, its agents, employees, representatives, or subcontractors is negligent, resulting in any expenses that Duke Energy may sustain or incur in conjunction with any litigation, investigation, or other expenditures incident thereto, including any suit instituted to enforce the obligations of this agreement of indemnity or any other similar agreements provided for by the Agreement, whether or not due in whole or in part to any act, omission or negligence of Duke Energy or the representatives and employees of Duke Energy to the extent permissible by Law, except insofar as such indemnity arising out of such injury or damage is caused by the sole negligence of Duke Energy, their representatives or employees. Contractor's indemnification obligation shall not be limited in any way by any limit on the amount or type of damages, compensation, or benefits payable by or for Contractor or any third party under worker's damages, compensation, disability or other employee benefits acts, nor by the provisions of any required insurance. The foregoing notwithstanding, Duke Energy agrees to hold harmless, defend and indemnify Contractor against any claim or liability arising from the presence or release of mercury, or any damage or expense caused by such mercury, at the time of the Work or any subsequent time thereafter, at customer premises in connections with its operations in removing gas meters and regulators, except for claims and/or liabilities that arise from Contractor's negligence or any third party working under the direction of Contractor.

Contractor hereby agrees to, and shall, indemnify, defend, and hold harmless Duke Energy from any and all claims, demands, actions, causes of action, liabilities, and expenses of whatever kind or nature, including attorneys' fees, that Duke Energy might suffer or incur by reason of Contractor's breach of this Agreement or violation or breach of any other written or verbal contract, commitment, or agreement executed in connection in any manner whatsoever with the Work and to which Contractor, its agent, or representative is a party or an intended third party beneficiary.

IX. LIMITATION ON LIABILITY

SUBJECT TO THE CONTRACTOR'S INDEMNITY OBLIGATIONS SET FORTH ABOVE, NEITHER PARTY SHALL BE LIABLE TO THE OTHER PARTY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DUE TO ANY ACT OR OMISSION UNDER THIS AGREEMENT. EXCEPT AS OTHERWISE EXPRESSLY PROVIDED IN THIS AGREEMENT, EACH OF DUKE ENERGY OHIO, DUKE ENERGY INDIANA, DUKE ENERGY KENTUCKY AND DUKE ENERGY CAROLINAS SHALL BE SEPARATELY LIABLE FOR THE OBLIGATIONS AND LIABILITIES OF SUCH ENTITY

AND SHALL NOT BE JOINTLY OR SEVERALLY LIABLE FOR THE OBLIGATIONS OF THE OTHER DUKE ENERGY PARTIES TO THIS AGREEMENT.

X. WARRANTIES

A. Warranty. Contractor represents and warrants that through the end of the Warranty Period: (a) the Services will be performed in a professional and competent manner and shall conform to requirements of the Agreement, including the Specification; (b) any Material delivered shall be handled, and stored (whether on-Site or off-Site) in accordance with all manufacturer's instructions and in a manner that does not void or impair manufacturer warranties; and (c) that the Contractor will use Prudent Industry Practices in performing the Services.

B. Performance of Warranty Services. If during the Term of this Agreement or within ninety (90) days after termination or expiration, Duke Energy discovers deviations from, breaches of, or failures of the foregoing warranties ("Defects"), Contractor shall, at its sole expense, correct, repair, modify, or replace those Defects, including repair, disassembly, removal, transportation, reassembly or re-performance of any affected portion of the Material immediately upon being given notice and shall demonstrate that the Defects have been properly corrected. Contractor shall provide Duke Energy with prior notice of any Subcontractor hired by Contractor to perform the warranty Services.

C. Breach of Warranty. Contractor shall use its best efforts to remedy any failure or breach of warranty promptly so as to minimize revenue loss to Duke Energy and to avoid disruption of Duke Energy's operations at the Site. If Contractor fails to initiate and diligently take steps to pursue corrective action within five (5) days after Contractor receives Duke Energy's notice and to pursue that corrective action fully and continuously thereafter, Duke Energy may undertake or arrange corrective action at Contractor's expense. If Duke Energy makes a good faith determination that corrective action is necessary in a shorter time than that provided in this Article, Duke Energy shall promptly notify Contractor of such need and, if Contractor fails to take steps to pursue such corrective action, Duke Energy may undertake or arrange corrective action at Contractor's expense. The correction of a Defect by Duke Energy pursuant to the previous sentence shall not limit or void Contractor's warranty.

D. Subcontractor Warranties. Contractor shall use its best efforts to obtain written warranties for the benefit of Contractor and Duke Energy from Material suppliers, vendors, and Subcontractors in relation to their respective portions of the Services which (a) are consistent with and at least equal to Contractor's warranty to Duke Energy and (b) warrant against defects and deficiencies in each Subcontractor's Services. Contractor shall provide to Duke Energy promptly copies of all Subcontractor warranties and guarantees Contractor obtains. Those warranties and guarantees shall provide that they survive Duke Energy and Contractor tests, inspections and approvals and shall be assignable to Duke Energy. On or after the expiration of the entire Warranty Period, as extended, at the request of Duke Energy, Contractor shall assign to Duke Energy any Subcontractor warranty for Services or Material that has not expired. Contractor represents and warrants that upon assignment, all Subcontractor warranties and guarantees shall be in full force and effect in accordance with their respective terms.

E. Primary Liability. Contractor shall have primary liability with respect to the warranties in the Agreement, whether or not any Defect or other matter is also covered by a warranty of a Subcontractor or other third party, and Duke Energy need only look to Contractor for corrective action. In addition, Contractor's warranties shall not be restricted in any manner by any warranty of a Subcontractor or other third party, and the refusal of a Subcontractor or other third party to provide or honor a warranty or to correct defective, deficient or nonconforming Services shall not excuse Contractor from its liability on its warranties to Duke Energy.

F. Reasonable Access. Duke Energy shall provide Contractor's representatives reasonable access to the Site, consistent with Duke Energy's policies and procedures in effect from time to time, for the purpose of performing warranty Services during times on which Duke Energy and Contractor agree. Contractor acknowledges that warranty Services, at the request of Duke Energy, must be coordinated with the ongoing operations of the Equipment and the Site to assure, among other things, that Duke Energy will be able to fulfill its obligations with respect to the Site.

XI. CONFIDENTIALITY

Contractor agrees that any information relating to Duke Energy's generation plans and customer information or financial, administrative and internal activities is considered confidential and proprietary information, including, without limitation all outage schedules, customer consumption, billing and credit data. Such information shall not be disclosed by the Contractor for any reason to any third party unless approved in writing by Duke Energy. Contractor acknowledges that

Duke Energy is under regulatory requirements to maintain outage schedule and customer information as confidential. Contractor agrees to use Confidential Information solely for the purpose of providing the Services to Duke Energy and shall disclose Duke Energy Confidential Information only to its employees with a need to know such information for the performance of this Agreement and only after such employees understand and agree to be bound by the terms of this paragraph. The Parties agree that in the event of a breach of this Agreement, Duke Energy shall be entitled to equitable relief, including injunction and specific performance, in addition to all other remedies available at law or equity.

If Contractor is requested or ordered by a court or governmental entity to disclose any or all of the Confidential Information, Contractor shall (i) promptly notify Duke Energy of the existence, terms and circumstances surrounding the request or order; (ii) consult with Duke Energy on the advisability of taking steps to resist or narrow the request or order; (iii) cooperate with Duke Energy in any lawful effort Duke Energy undertakes to obtain any such relief and with any efforts to obtain reliable assurance that confidential treatment will be given to that portion of Confidential Information that is disclosed; and (iv) furnish only such portions of Confidential Information as Contractor is advised by counsel is legally required to be disclosed, unless Duke Energy expressly authorizes broader disclosure.

XII. SUPERVISORS/MANAGING PERSONNEL

Contractor shall designate a Services Coordinator to work with Duke Energy and who will serve as a single point of contact for all inquiries and concerns by Duke Energy. The Services Coordinator will represent Contractor in resolving any personnel problems that occur and will coordinate and assure all of Contractor's employee documentation is completed as requested, as well as helping to resolve any other problems that may occur. The resume of the Services Coordinator will be provided to Duke Energy for approval. If the Services Coordinator is removed from the position or leaves his or her position for any reason whatsoever, he or she will be promptly replaced with at least an equally qualified person, reasonably accepted by Duke Energy.

XIII. TAX

Contractor shall pay all Taxes on Contractor's employees, purchases of goods, tools, equipment, supplies and other consumables which are not permanently incorporated into the Duke Energy Site and which remain the property of the Contractor. Contractor shall also pay all Taxes attributable to Contractor's and its Subcontractor's employees, construction equipment, temporary buildings and other property used by Contractor and its Subcontractors in its performance of the Services under this Agreement which are not permanently incorporated into the Site and which remain the property of the Contractor. Allowance for such Taxes is included in the Billing Rates, and Contractor shall pay those Taxes when assessed, without claim against Duke Energy for reimbursement. Contractor shall impose a similar obligation on all Subcontractors and shall ensure that no Subcontractor shall have any claim against Duke Energy for reimbursement of those Taxes.

XIV. RECORD KEEPING; AUDIT

Contractor agrees to maintain records to support all Services performed and all items billed to Duke Energy and shall retain all such records for a period of three (3) years. Contractor shall maintain records required by any Laws. Contractor shall, at least once per quarter, provide Duke Energy with written documentation of its ongoing safety program. Contractor shall provide Duke Energy with a written report of its investigation and settlement of all accidents arising out of or related to the Services. Quarterly broken seal self audits will be reported to Duke Energy protection coordinator. For a period of three (3) years after the completion of the Services, Duke Energy, its auditors, or other representatives shall be afforded access at reasonable times to any and all accounting records or other documents relating to the Services.

XV. GENERAL

A. Independent Contractor. Contractor shall perform and execute the provisions of this Agreement as an independent contractor to Duke Energy and shall not in any respect be deemed or act, or hold itself out as an agent of Duke Energy for any purpose or reason whatsoever. Contractor is an independent contractor and all of its agents and employees shall be subject solely to the control, supervision, and authority of Contractor. Duke Energy and Contractor disclaim any intention to create a partnership or joint venture. Contractor shall not be entitled to act for, or have any power or authority to assume any obligation or responsibility on behalf of, Duke Energy.

B. Subcontracting. Upon prior written notice to and consent of the Duke Energy (not to be unreasonably withheld), Contractor shall have the right to have any portion of the Services performed by any subcontractors of , including Persons related to or affiliated with Contractor (the "Subcontractor"). Contractor shall deliver to Duke Energy for Duke Energy's review a written list of the Subcontractors that the Contractor proposes to engage or use in the performance of the Services before the Contractor enters any contract with any Subcontractor, and Duke Energy shall have the right to approve or reject each proposed Subcontractor. No contractual relationship shall exist between Duke Energy and any Subcontractor with respect to the Services. Contractor shall be fully responsible for all acts, omissions, failures and faults of all Subcontractors as fully as if they were the acts, omissions, failures and faults of Contractor.

C. Inclusion; Order of Precedence. This Agreement and the Exhibits shall be considered complementary. However, in the event of irreconcilable conflict between the Agreement and the Exhibits, the Agreement shall govern and the conflicting provisions shall be interpreted so as to accord with the provisions of the Agreement. In the event of a conflict between Exhibits, the Exhibit that addresses the issue with more specificity shall prevail over an Exhibit more general in nature. An Amendment or Change Order shall control that part of the Agreement which it supersedes. Except as otherwise provided below, this Agreement will govern all Services furnished by Contractor to Duke Energy subsequent to the Effective Date of this Agreement. Duke Energy may specify additions, deletions or qualifications to this Agreement in a Change Order and such changes shall be deemed to be a modification or supplement to this Agreement. Except as expressly provided herein, if there is a conflict between the terms of a Change Order and the terms of this Agreement, the terms of such Change Order shall prevail over the terms of this Agreement; provided, however, that in no event shall the provisions of be modified except pursuant to a separate Amendment executed by an authorized representative of each Party. Notwithstanding the foregoing, conflicts regarding purely technical matters shall be governed by Duke Energy's Change Order for the Services. Any pre-printed terms and conditions on the back of or attached to a request for proposal, bid, quotation, Purchase Order, acknowledgement, bill of lading, RFQ or any other accounting, shipping or confirmation document shall by null and void, unless expressly agreed in writing by both Parties.

D. No Publication. Contractor shall not use Duke Energy's name or the fact that Contractor is performing Services for Duke Energy in any press releases, media statements or public communications or otherwise publicize this Agreement without Duke Energy's prior written consent. Contractor shall not use Duke Energy's (including its subsidiaries and affiliates) name, logos, copyrights, trademarks, service marks, trade names or trade secrets in any way without Duke Energy's prior written consent, and Duke Energy shall not be deemed to have granted Contractor a license of, or granted Contractor any rights in, any of the foregoing by entering into this Agreement.

E. Notices. All notices required or permitted to be given by this Agreement, except where oral notice is specifically authorized, shall be in writing, shall identify the appropriate Service request, and shall be mailed, hand delivered or sent via facsimile to the relevant party at the address set out in the Service request. Written notices shall be deemed delivered on the date of actual hand delivery, or the date that a facsimile is actually received, if a business day or, if not a business day, the next business day, or, if sent by first class United States mail postage prepaid, correctly addressed, then on the third business day after the day on which mailed. Each Party may change its address for notices by written notice given in accordance with this Article.

F. Force Majeure. If, because of a Force Majeure event, the business operations at the locations shall be interrupted or stopped, performance of this Agreement shall be suspended and excused to the extent commensurate with such interfering occurrence and the time for performance shall be extended on a day for day basis.

G. Severability. If any provision, or part thereof, of this Agreement shall be held to be invalid or unenforceable for any reason, the invalid provision or part thereof shall be stricken from this Agreement, and the remainder of the Agreement or provision shall be valid and enforceable to the fullest extent allowed by law.

H. Dispute Resolution

(1) Negotiation. The Parties shall attempt to resolve any claims, disputes and other controversies arising out of or relating to this Agreement (collectively, "Disputes") promptly by negotiation between executives who have authority to settle the Dispute and who are at a higher level of management than the persons with direct responsibility for administration of this Agreement. A Party may give the other Party written notice of a Dispute which has not been resolved in the normal course of business. Such notice shall include: (a) a statement of that Party's position and a summary of arguments supporting such position, and (b) the name and title of the executive who will be representing that Party and of any other person who will accompany the executive. Within five (5) days after delivery of the notice, the receiving Party shall respond with (a) a statement of that Party's position and a summary of arguments supporting such position, and (b) the

name and title of the executive who will represent that Party and of any other person who will accompany the executive. Within ten (10) days after delivery of the initial notice, the executives of both Parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary, to attempt to resolve the Dispute. All negotiations pursuant to this clause are to be deemed confidential and shall be treated as compromise and settlement negotiations for purposes of applicable rules of evidence.

(2) Arbitration. If the Dispute has not been resolved by negotiation within twenty (20) days of the disputing Party's initial notice, or if the Parties failed to meet for the first time within ten (10) days of the initial notice, the Parties shall fully and finally settle all Disputes where the amount in controversy exceeds \$50,000 by binding arbitration. All arbitration proceedings shall take place in Charlotte, North Carolina under the auspices of the American Arbitration Association ("AAA") in accordance with the AAA Construction Industry Rules then in effect, and shall be governed by the Federal Arbitration Act, 9 U.S.C. §§ 1-16. For all Disputes where the amount in controversy is less than \$250,000, the arbitration proceeding shall be conducted by a single arbitrator selected by the Parties (or the AAA if the Parties cannot agree). For all Disputes where the amount in controversy between the Parties is equal to or more than \$250,000, the arbitration proceeding shall be conducted by a panel of three (3) arbitrators, with at least one of the arbitrators being an attorney with at least ten (10) years experience in the electric industry. If the Parties have not so agreed on such three arbitrator(s) on or before thirty (30) days following the delivery of a demand for Arbitration to the other Party, then each Party, by notice to the other Party, may designate one arbitrator (who shall not be a current or former officer, director, employee or agent of such Party or any of its Affiliates). The two arbitrators designated as provided in the immediately preceding sentence shall endeavor to designate promptly a third arbitrator. If either Party fails to designate an initial arbitrator on or before forty five (45) Days following the delivery of an Arbitration notice to the other Party, or if the two initially designated arbitrators have not designated a third arbitrator within 30 days of the date for designation of the two arbitrators initially designated, any Party may request the American Arbitration Association to designate the remaining arbitrator(s) pursuant to its Construction Arbitration Rules. If any arbitrator resigns, becomes incapacitated, or otherwise refuses or fails to serve or to continue to serve as an arbitrator, the Party entitled to designate that arbitrator shall designate a successor. The demand for arbitration shall be served on the other Party to the Agreement. No demand for arbitration shall be made or permitted after the date when the institution of a civil action based on the Dispute would be barred by the applicable statute of limitations or repose of the State.

No arbitration arising under the Agreement shall include, by consolidation, joinder or any other manner, any Person not a party to the Agreement unless (a) such Person is substantially involved in a common question of fact or Laws, (b) the presence of the Person is required if complete relief is to be accorded in the arbitration, and (c) the Person has consented to be included.

The procedures specified in this Article shall be the sole and exclusive procedures for the resolution of Disputes between the Parties arising out of or relating to this Agreement; provided, however, that a Party may file a complaint in a court of competent jurisdiction on issues of statute of limitations or repose or to seek injunctive relief, sequestration, garnishment, attachment, or an appointment of a receiver. Preservation of these remedies does not limit the power of the arbitrator(s) to grant similar remedies, and despite such actions, the Parties will continue to participate in good faith in and be bound by the dispute resolution procedures specified in this Article.

The arbitrator(s)' decision shall be by majority vote and shall be issued in a writing that sets forth in separately numbered paragraphs all of the findings of fact and conclusions of law necessary for the decision. Findings of fact and conclusions of law shall be separately designated as such. The arbitrator(s) shall not be entitled deviate from the construct, procedures or requirements of this Agreement. In the absence of gross negligence or willful misconduct by an arbitrator, any decision rendered by the arbitrator(s) in any arbitration shall be final and binding upon the Parties, and judgment may be entered on the award in any court of competent jurisdiction. The cost of all arbitrators shall be borne equally by the Parties.

Either Party may apply to the arbitrators for the privilege of conducting discovery. The right to conduct discovery shall be granted by the arbitrators in their sole discretion with a view to avoiding surprise and providing reasonable access to necessary information or to information likely to be presented during the course of the arbitration, provided that such discovery period shall not exceed ninety (90) days.

I. No Waiver. For any waiver of any right, obligation or privilege to be binding, the waiver must be in writing and signed by the Party against whom such waiver is sought to be enforced. A waiver by Duke Energy of any one or more obligations, defaults or breaches under this Agreement shall not operate as a waiver of any future obligation, default or defaults, whether of a like or different character.

J. Assignment. Contractor shall not assign this Agreement or subcontract any of its obligations hereunder without the prior written consent of Duke Energy, and any such attempted assignment or subcontracting without such consent shall be null and void. Any such consent may be withheld at Duke Energy's sole discretion. Duke Energy's consent to subcontracting or assignment, if granted, shall not relieve Contractor of any of its liabilities and responsibilities hereunder.

K. Non-Solicitation. Contractor shall not, without Duke Energy's prior written consent, solicit for employment or employ any person who is or was an employee of Duke Energy until six (6) months after such employee is no longer employed by Duke Energy; provided however, Duke Energy waives this six (6) month waiting period for any former employee who has been laid off by Duke Energy as part of a workforce reduction program. The Parties acknowledge that a breach of the obligations set forth in this Article would cause irreparable harm and leave Duke Energy without an adequate remedy at law. Duke Energy thus shall be entitled to injunctive relief to enforce the terms of this Agreement.

L. Governing Law. This Agreement shall be governed by, and construed in accordance with, the laws of the State where the on-Site Services are being performed, excluding any conflict of laws rules, provided that, if the Services occur at Sites in more than one State and the dispute is related to more than one state, the laws of the State of North Carolina shall apply and govern.

M. Entire Agreement. The terms and conditions set forth herein, including Exhibits A and B, are intended by Contractor and Duke Energy to constitute the complete statement of their agreement and all prior communications relating to the subject matter of this Agreement, whether oral or written, are hereby superseded. No modification or amendment of this Agreement shall be effective unless the same is in writing and signed by both Parties.

N. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

O. Mechanic's Lien Waiver. Contractor waives any and all claims to rights of a mechanic's lien on Duke Energy's property as a result of providing the Work pursuant to the Agreement. Contractor shall also obtain written waivers of mechanic's liens from all subcontractors, suppliers, and materialmen of Contractor providing labor or material in connection with the Work. The written waivers shall be obtained by Contractor and provided to Duke Energy's Representative at quarterly intervals, with the first interval beginning on the day that Work is commenced. The written waivers for each quarter shall pertain and be limited to that service, labor and those supplies and materials for which payment is due during said interval. In the event Contractor fails to secure written waivers of mechanics liens from its subcontractors, suppliers, or materialmen as required under this Article, Duke Energy may terminate this Agreement for cause. In the event that rights to a mechanic's lien are claimed upon Duke Energy's property by a subcontractor, supplier, or materialman of Contractor, Contractor shall expeditiously obtain the release of said mechanic's lien within thirty (30) days of the filing of such lien. Upon Contractor's failure to obtain said release expeditiously, Duke Energy may proceed to obtain the release of the mechanic's lien and Contractor shall be liable to Duke Energy for any and all costs and expenses, including attorneys' fees, which are incurred by Duke Energy in obtaining said release. Any amounts owed by the Contractor to Duke Energy under this Article, may be offset by Duke Energy by any amounts owed to the Contractor, which shall include, but not be limited to, the retention of any retained funds held by Duke Energy pursuant to any portion of the Agreement. Further, upon Duke Energy's communication to Contractor that any subcontractor has contacted Duke Energy about any amounts owed to such Subcontractor by Contractor, Contractor shall immediately resolve the matter with the Subcontractor. Should Contractor fail to expeditiously resolve the matter to Duke Energy's satisfaction, Duke Energy may offset any invoices owed to Contractor under this Agreement between the Parties for the performance of any Contractor's Services herein or any services or work performed at any other Duke Energy property or station related to any other Purchase Order between the Parties.

[Signatures on next page]

IN WITNESS WHEREOF, each of the Parties has caused this Agreement to be signed by a duly authorized representative as of the Effective Date first above written.

CONTRACTOR

By: _____

Title: _____

Name: _____

Date: _____

Duke Energy Shared Services, Inc., as agent for and on behalf of Duke Energy Ohio, Inc. ("Duke Ohio"), Duke Energy Kentucky, Inc. ("Duke Kentucky"), Duke Energy Indiana, Inc. ("Duke Indiana"), Duke Energy Carolinas, LLC ("Duke Carolinas")

Duke Energy Shared Services, Inc.

By: _____

Name: Andi Horner

Title: Buyer

Date: MONTH, DATE, YEAR

EXHIBIT A
SPECIFICATIONS OR SCOPE OF WORK

All Work shall be performed in accordance with the terms and conditions included in this Agreement, Duke Energy Ohio, Inc. and Duke Energy Kentucky, Inc.'s - Gas Standards, Welding Specifications, Specification GD-150, Technical Specifications, Bid Documents, Construction Drawings, and any other documents, drawings, specifications or other instruments ("Documents"), which are to be used and considered by Contractor, as applicable, for the performance of the Work. The Specifications GD-150 and all other necessary Documents shall be obtained by Contractor and/or provided by Duke Energy to Contractor or other party upon request, and all such Documents shall be incorporated herein by reference. Contractor shall ensure that it has any and all such Documents for the performance of the Work prior to the commencement of such Work..

All Work must be completed by labor under a collective bargaining agreement.

G-XXXX, Job #XX-XXXX-X, SHORT DESCRIPTION (i.e. - KY CIBS MODULE 309)

INVOICING NOTE:

Mail All Invoices To:

Duke Energy Ohio or KY, Inc.
Gas Engineering, Room 460A
Attn: Invoice Desk
P.O. Box 960
Cincinnati, OH 45201-0960

You must include on your invoice:

- ▶ Contract #XXXXXX
- ▶ Invoice number
- ▶ Invoice amount (split out labor and material prices)
- ▶ Invoice date

EXHIBIT B
BILLING RATES AND/OR FEES

Construction Schedule For Module And Non-Module Jobs

Modules--Construction Schedule and Progress Report Second Quarter 2007

Job Number	Job Name	Contractor	Community	Projected Length	Length To Date	Remaining Main	Percentage Complete
05-8305-4	KY CIBS MODULE 305	AMS	Newport	13,229	11,487	1,742	86.8%
04-8309-9	KY CIBS MODULE 309	AMS	Covington	9,921	7,203	2,718	72.6%
05-8317-9	KY CIBS MODULE 317	AMS	Covington	15,297	14,962	335	97.8%
04-8320-6	KY CIBS MODULE 320	AMS	Ft Wright	2,934	2,934	0	100.0%
04-8349-5	KY CIBS MODULE 349	Arby	Newport	10,623	10,623	0	100.0%
04-8351-1	KY CIBS MODULE 351	Brewer	Newport	1,928	1,928	0	100.0%
07-8387-8	KY CIBS MODULE 387	AMS	Elsmere	8,298	0	8,298	0.0%
07-8469-4	KY CIBS MODULE 469	Northern Pipeline	Covington	5,867	2,758	3,109	47.0%
07-8569-1	KY CIBS MODULE 569	AMS	Park Hills	3,373	0	3,373	0.0%
07-8574-1	KY CIBS MODULE 574	Miller Pipeline	Ft. Thomas	4,628	851	3,777	18.4%

06/20/07

AMRP Projects Construction Schedule & Progress
for Projects Outside Module Work

ReportPeriod: 200706

WO	Jobno	Job Name	Start Date	In ServiceDt	ReqNo	Construction By	Pct Complete	Length
C9890	07-1076-4	WASHINGTON AVE			G-5228	Brewer	0	770.00
C9891	07-1075-6	FLORAL CT			G-5223	Brewer	0	230.00
C9892	06-1060-0	PERSHING ALLEY			G-5228	Brewer	0	620.00
C9974	07-7319-2	LOCUST ST-IMP-LUDLOW			G-5236	Brewer	0	500.00

Index of AMRP Projects

Attached is a listing of:

1. AMRP projects scheduled in 2007 second quarter. These project numbers will match the 11" x 17" job construction drawings included with this filing. The job number is located in the box in the lower right-hand corner of the page.

Construction Drawings and Maps

**The following Construction Drawings and Maps are included
as part of the Second Quarter 2007 Filing**

Construction Drawings:

Module 387

Module 569

Module 574

Washington Ave.

Floral Ct.

Pershing Alley

Locust St—Imp--Ludlow

Maps:

Module 387

Module 569

Module 574

**Progress Reports For Module Work And
Projects Outside Of Module Work**

Second Quarter 2007

Modules--Progress Report Second Quarter 2007

Job Number	Job Name	Contractor	Community	Projected Length	Length To Date	Remaining		Percentage Complete
						Main		
05-8305-4	KY CIBS MODULE 305	AMS	Newport	13,229	11,487	1,742		86.8%
04-8309-9	KY CIBS MODULE 309	AMS	Covington	9,921	7,203	2,718		72.6%
05-8317-9	KY CIBS MODULE 317	AMS	Covington	15,297	14,962	335		97.8%
04-8320-6	KY CIBS MODULE 320	AMS	Ft Wright	2,934	2,934	0		100.0%
04-8349-5	KY CIBS MODULE 349	Arby	Newport	10,623	10,623	0		100.0%
04-8351-1	KY CIBS MODULE 351	Brewer	Newport	1,928	1,928	0		100.0%
07-8387-8	KY CIBS MODULE 387	AMS	Elsmere	8,298	0	8,298		0.0%
07-8469-4	KY CIBS MODULE 469	Northern Pipeline	Covington	5,867	2,758	3,109		47.0%
07-8569-1	KY CIBS MODULE 569	AMS	Park Hills	3,373	0	3,373		0.0%
07-8574-1	KY CIBS MODULE 574	Miller Pipeline	Ft. Thomas	4,628	851	3,777		18.4%
				76,098	52,746	23,352		69.3%

06/20/07

AMRP Projects Construction Schedule ...rd Progress
for Projects Outside Module Work

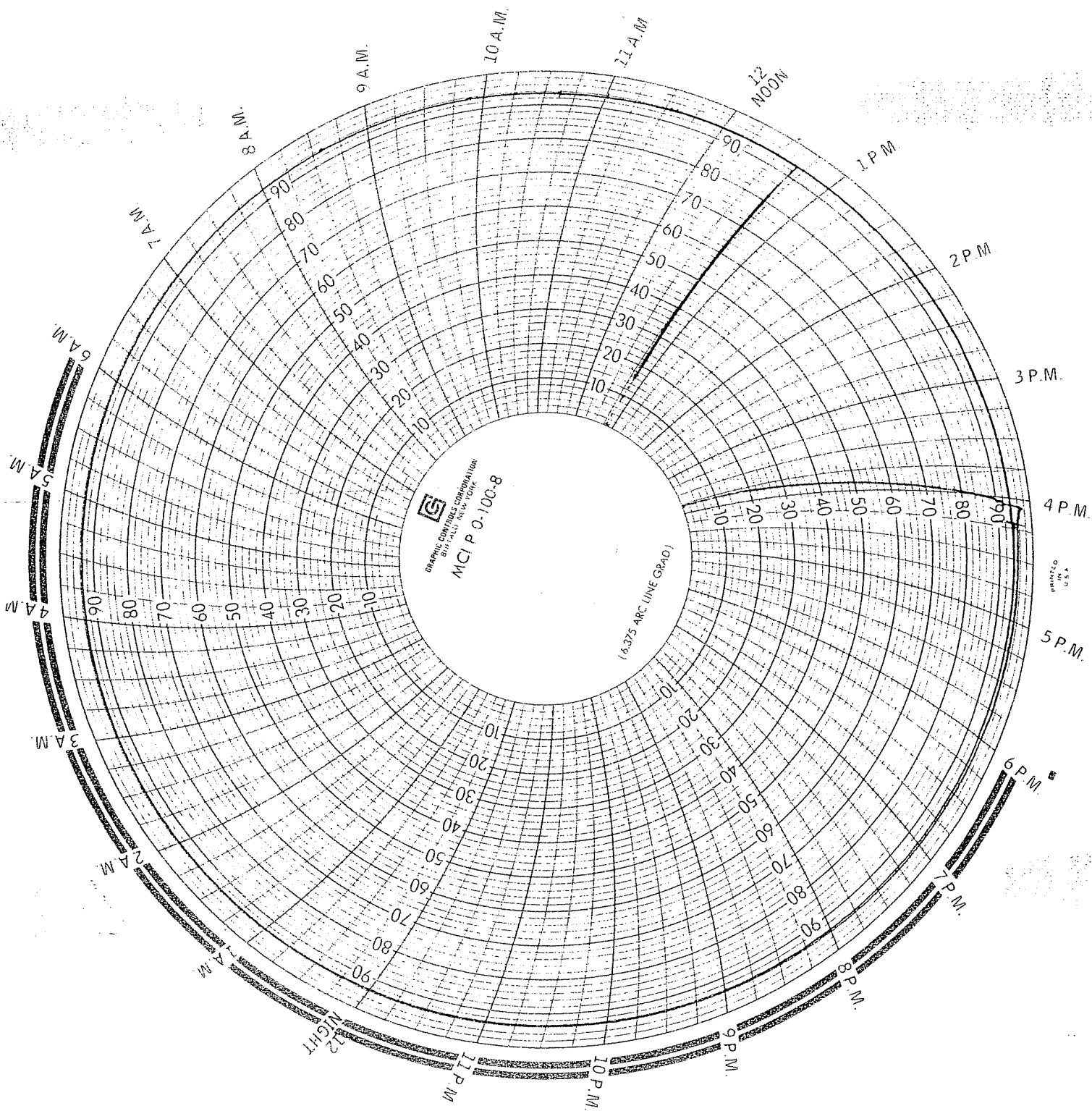
ReportPeriod: 200706

WO	Jobno	Job Name	Start Date	In ServiceDt	Construction By	Pct Complete	Length
C9890	07-1076-4	WASHINGTON AVE			Brewer	0	770.00
C9891	07-1075-6	FLORAL CT			Brewer	0	230.00
C9892	06-1060-0	PERSHING ALLEY			Brewer	0	620.00
C9974	07-7319-2	LOCUST ST-IMP-LUDLOW			Brewer	0	500.00

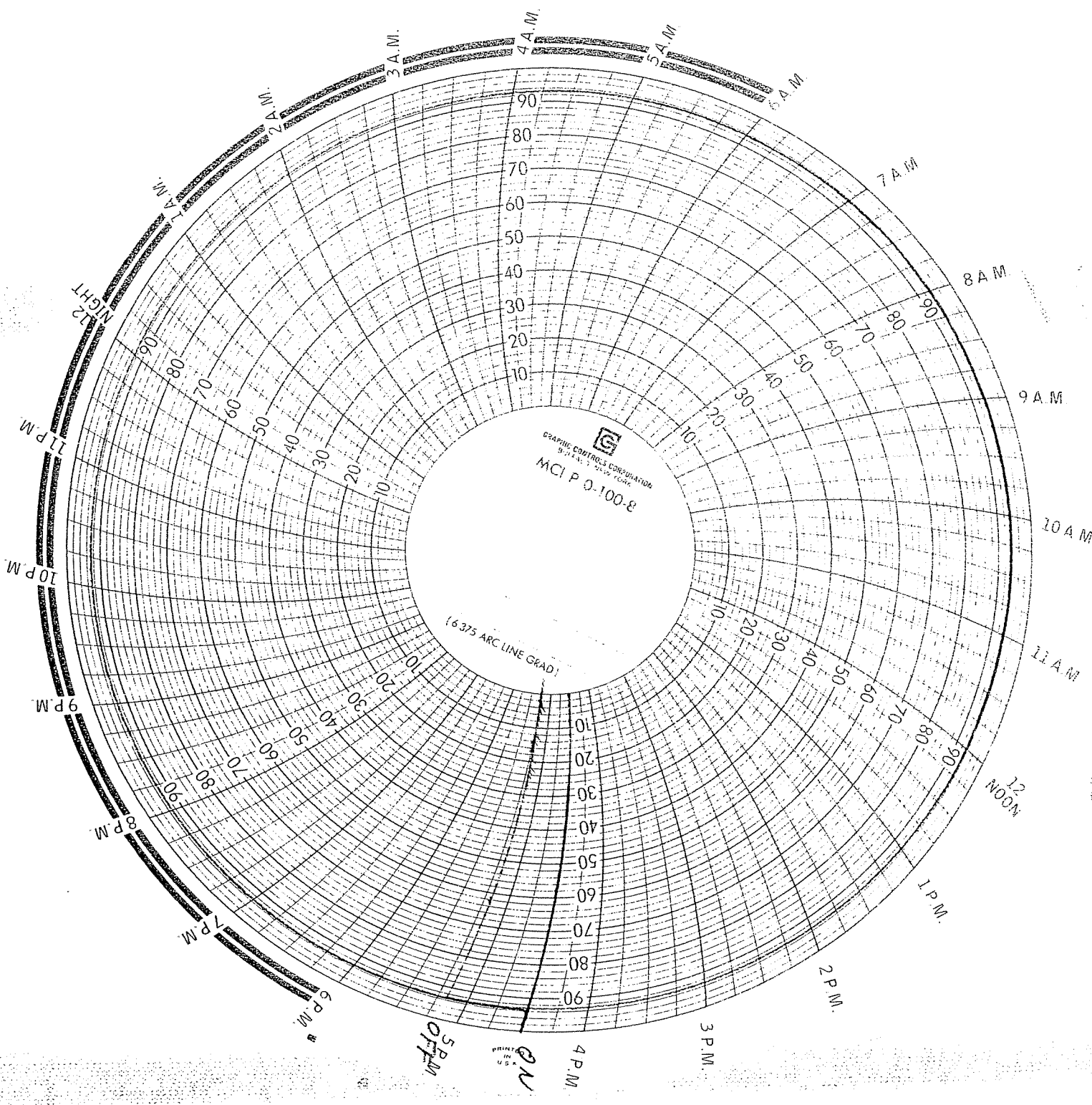
Pressure Charts For Module Work

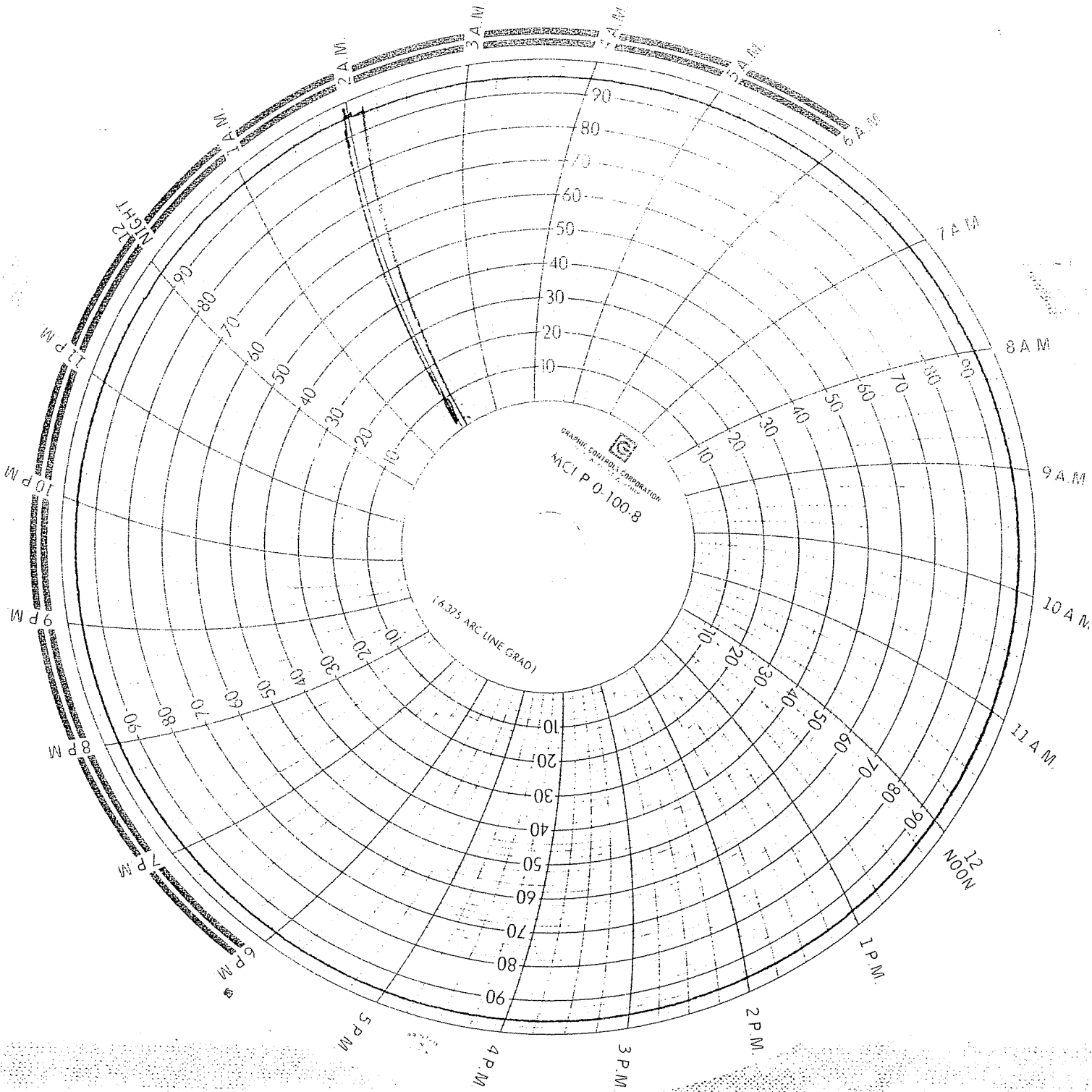
Second Quarter 2007

Pressure Chart For Module 305

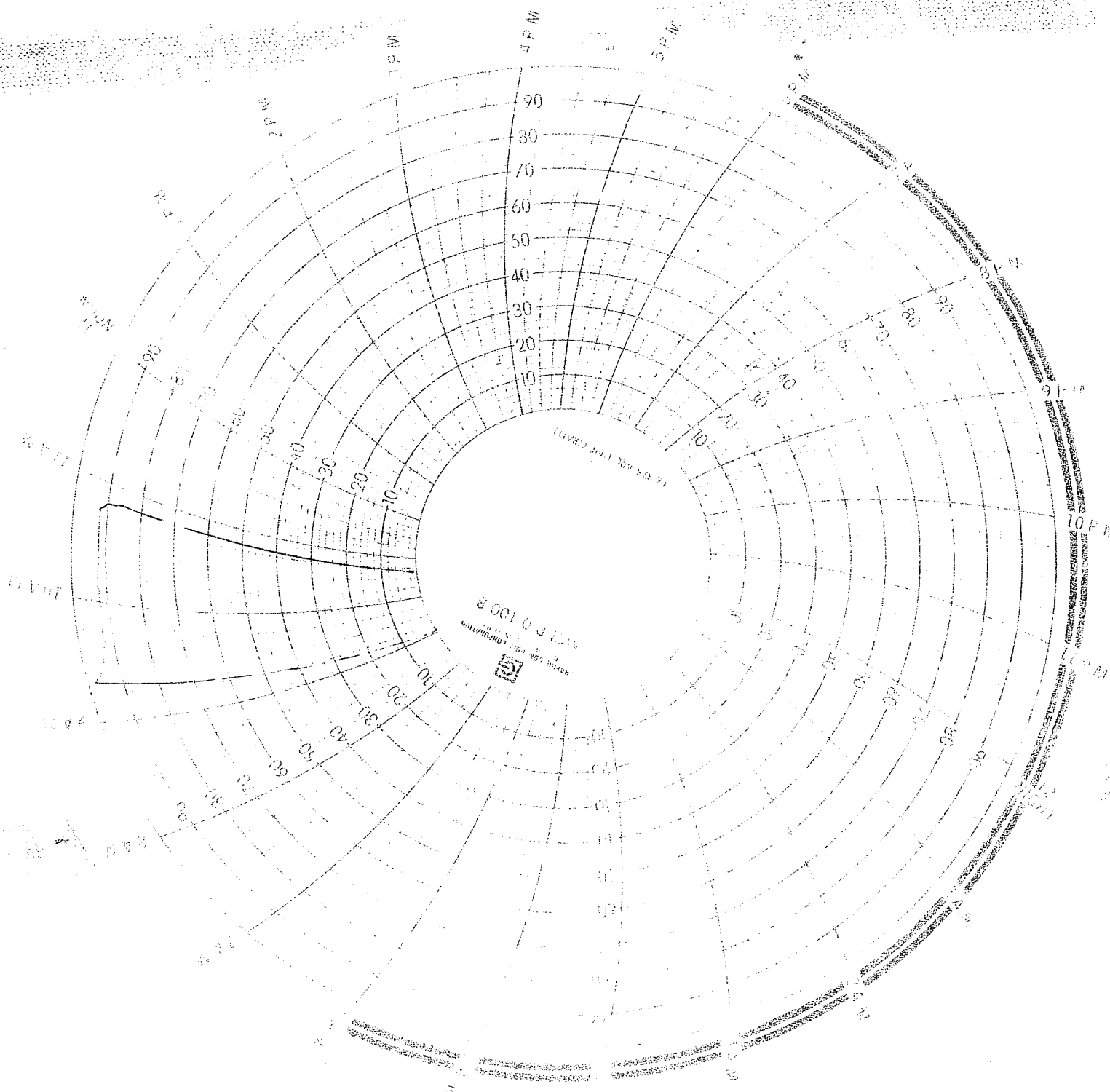


Module 305

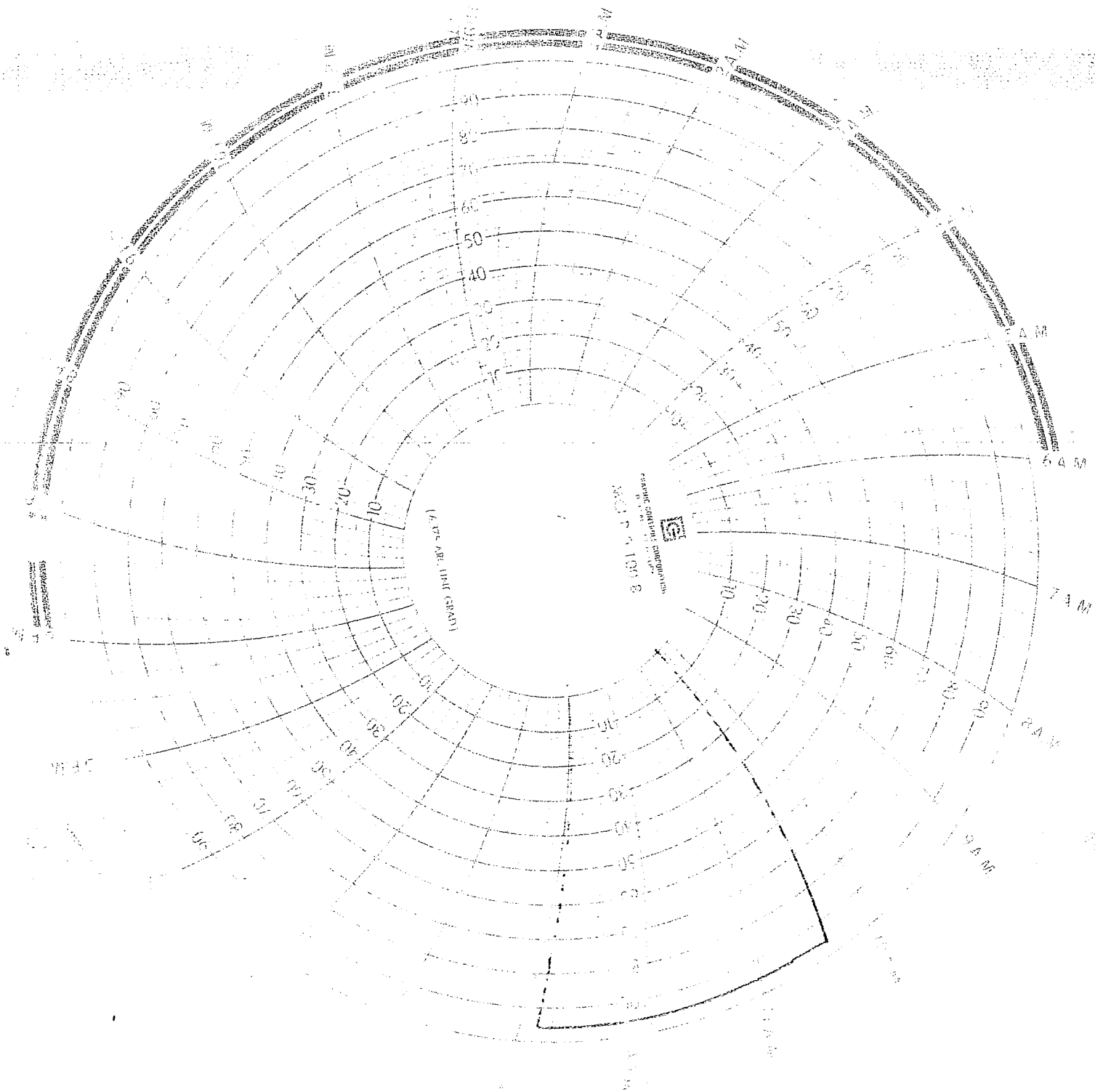




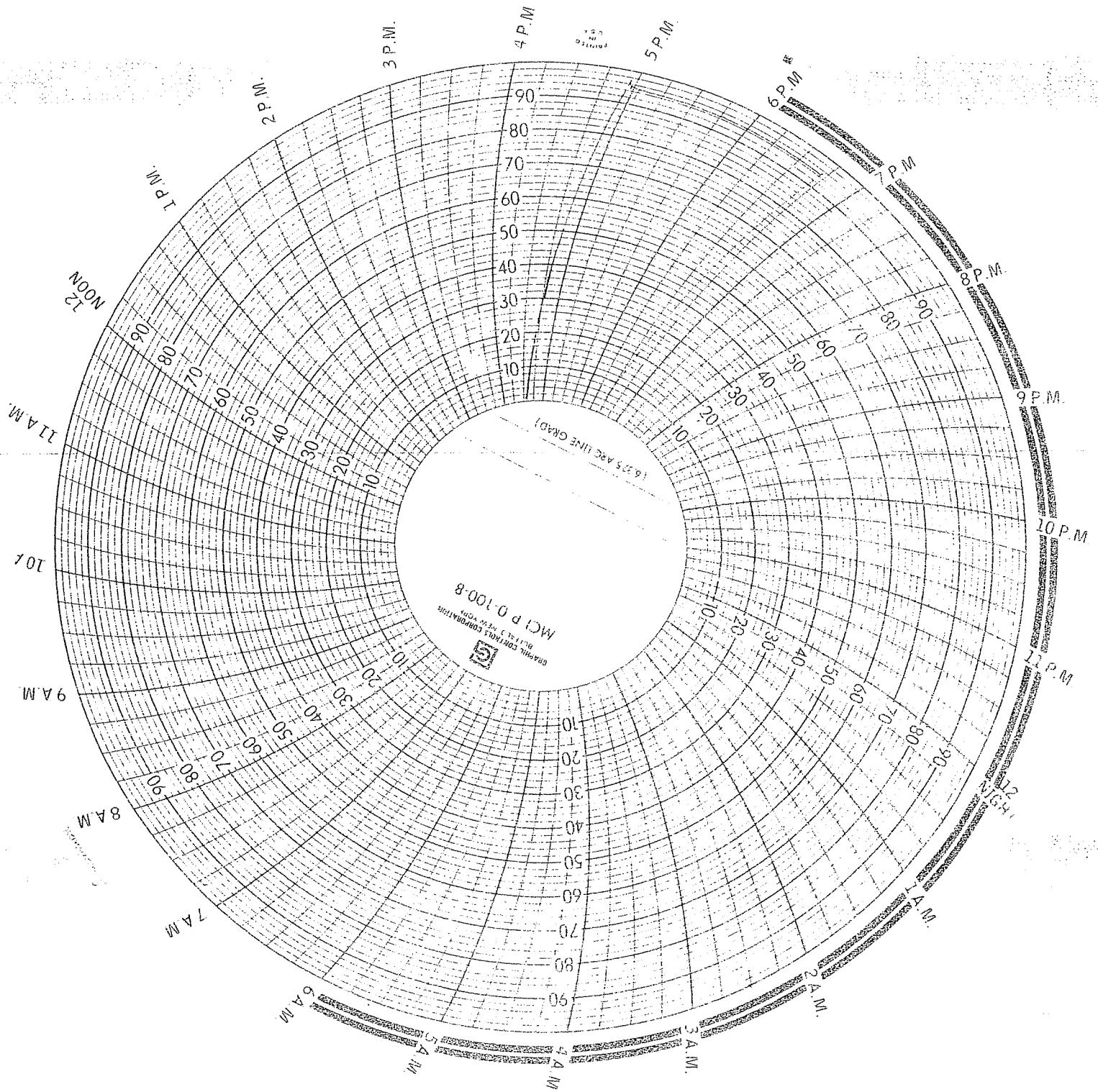
- module 305

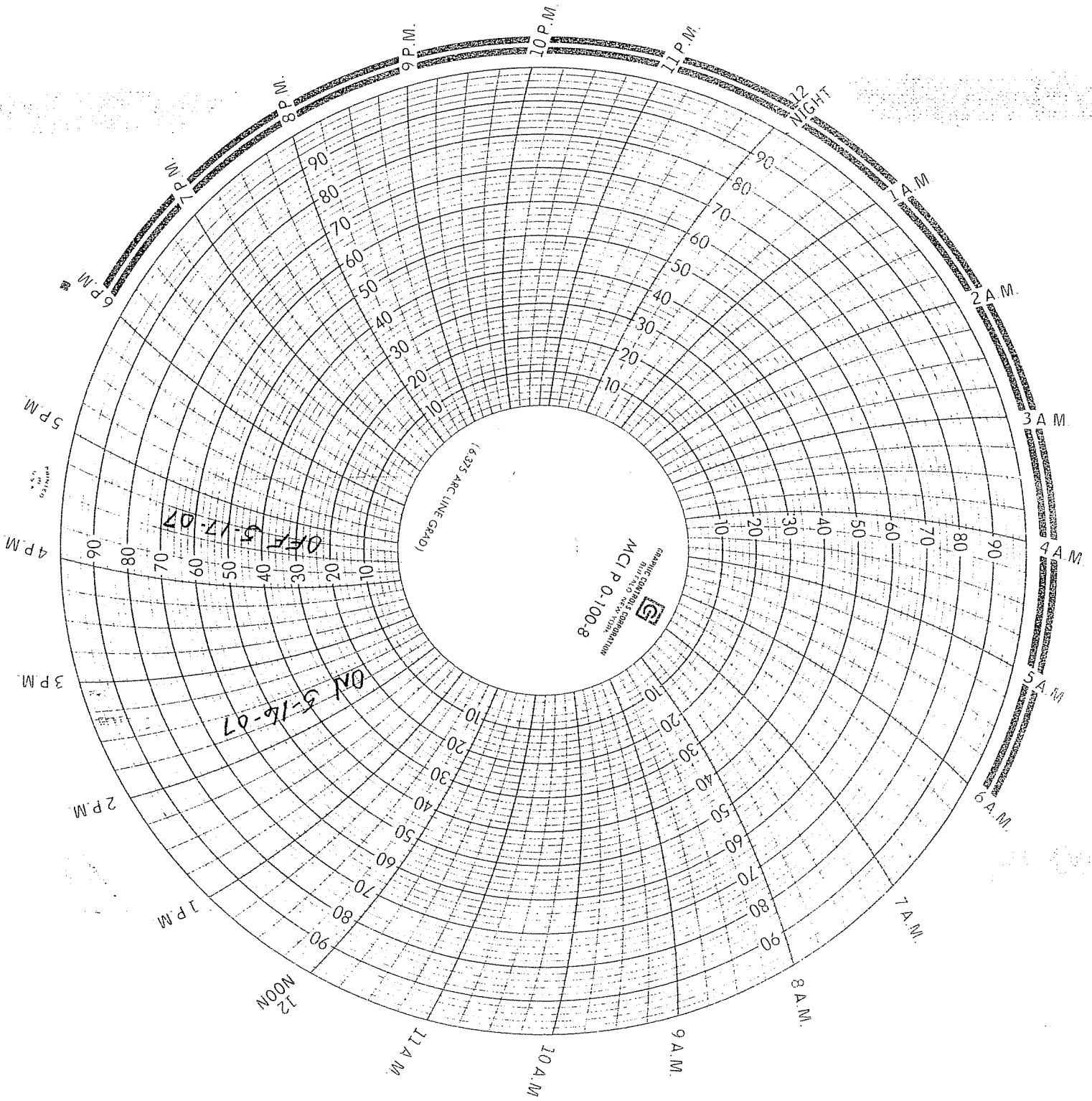


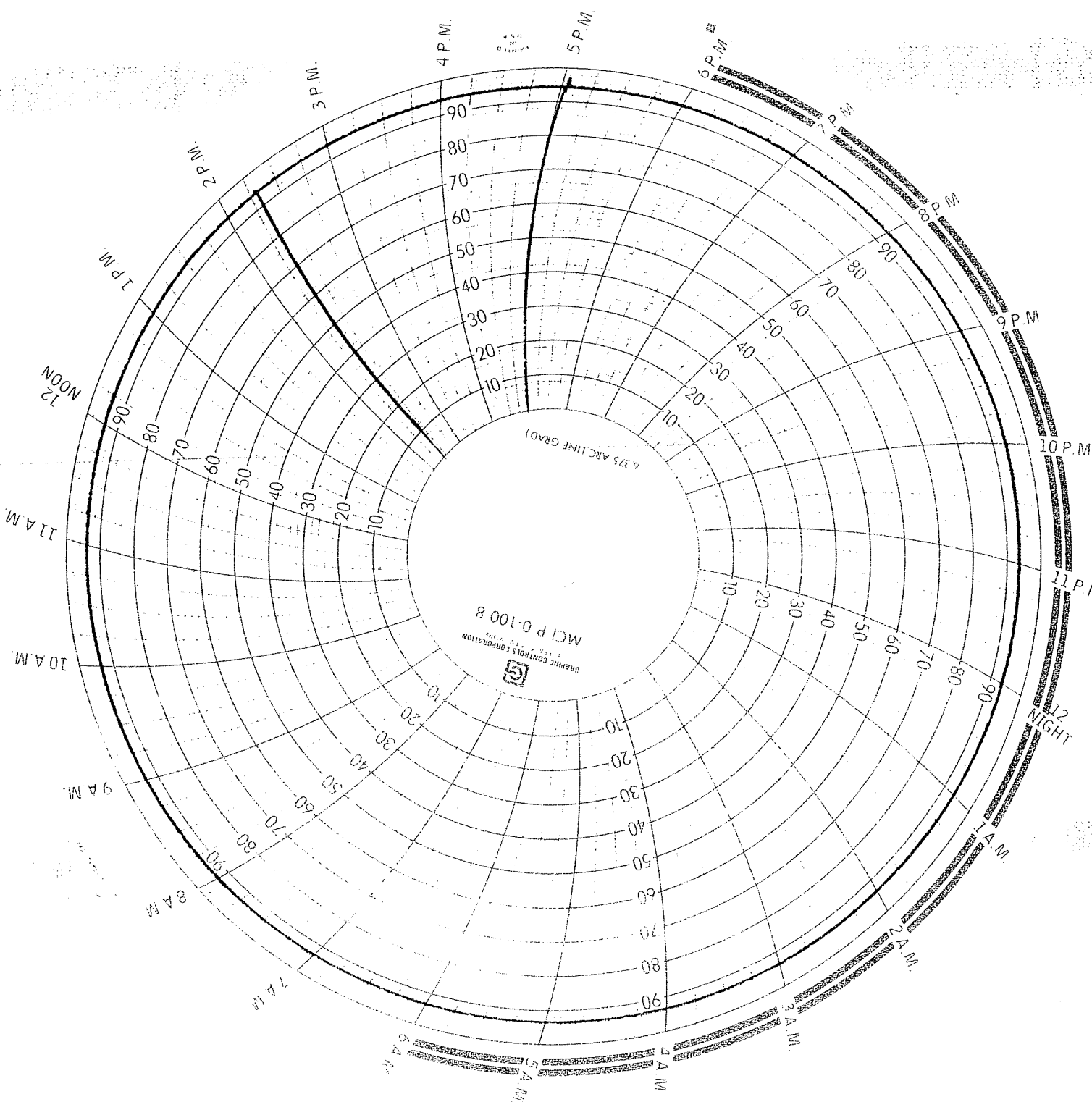
Module 305



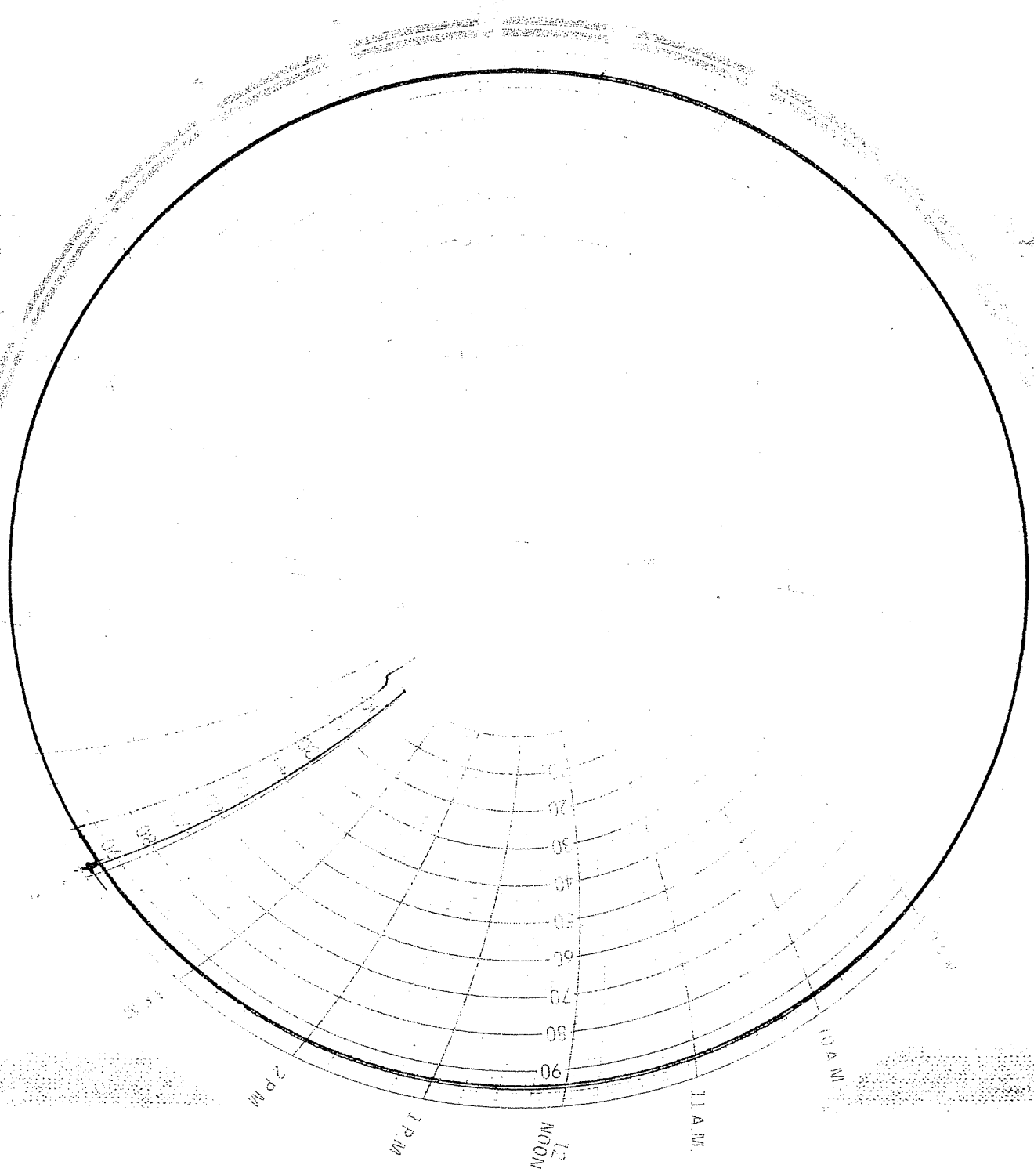
Pressure Chart For Module 309





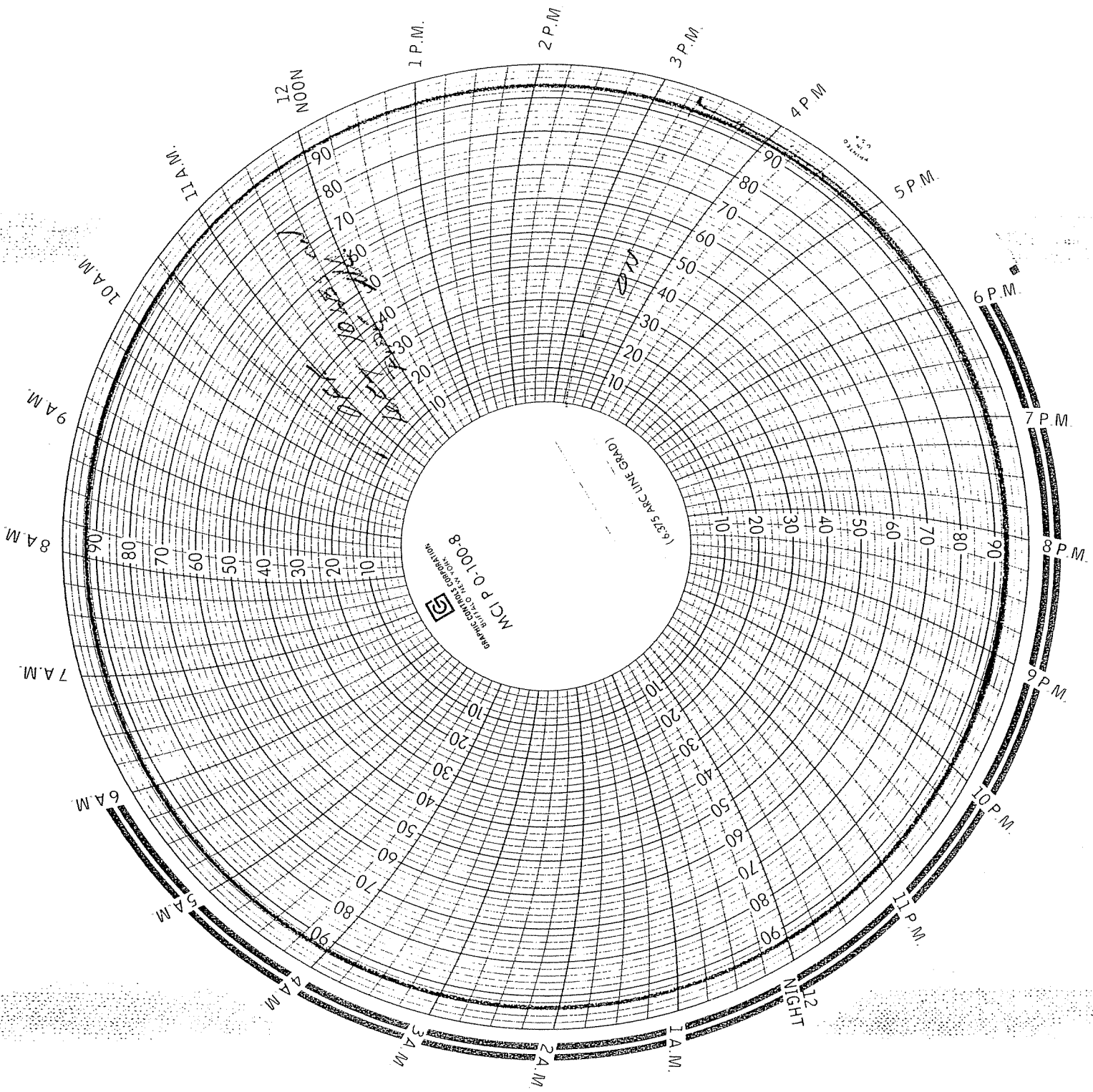


Module 309

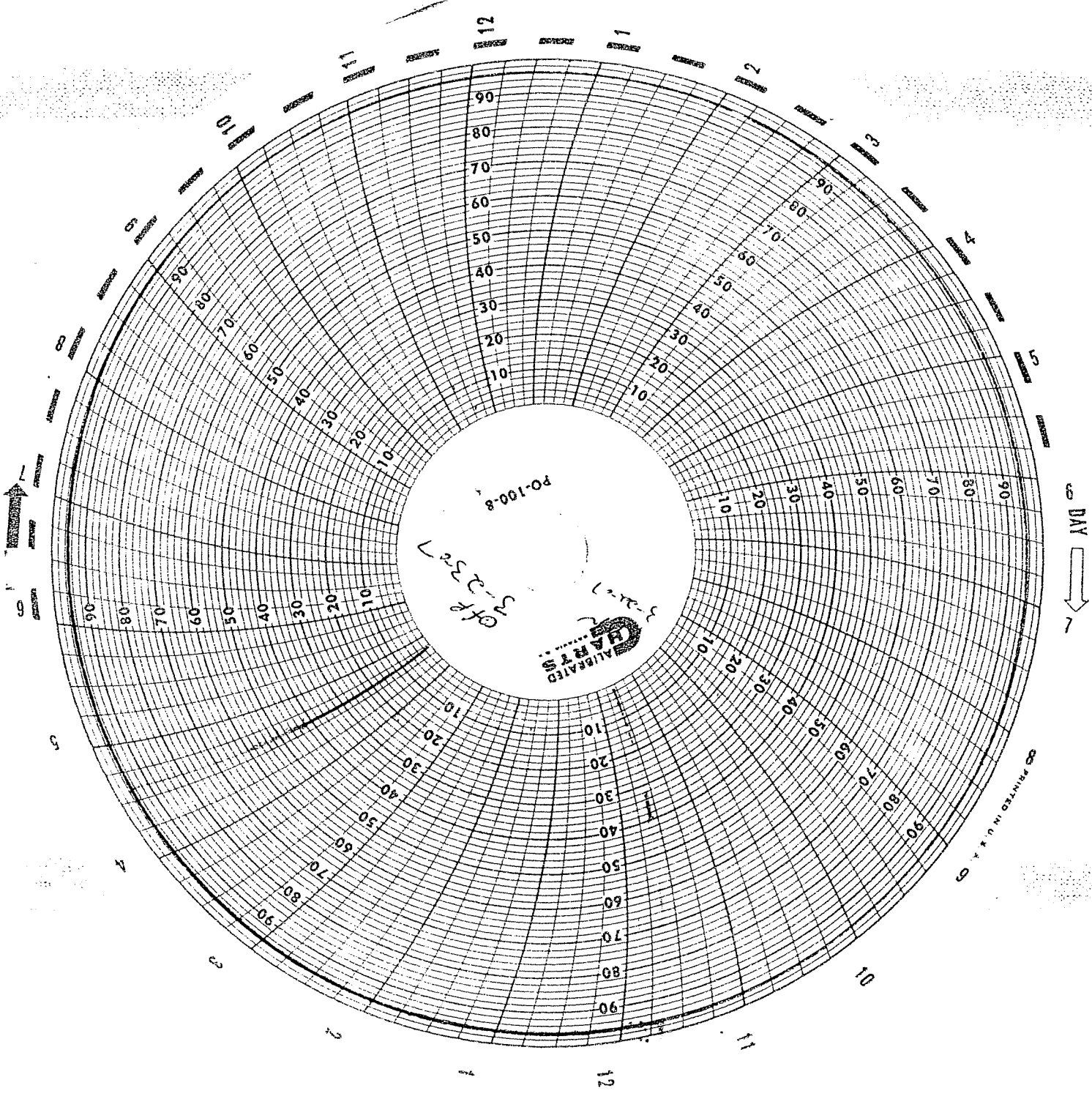


Module 309

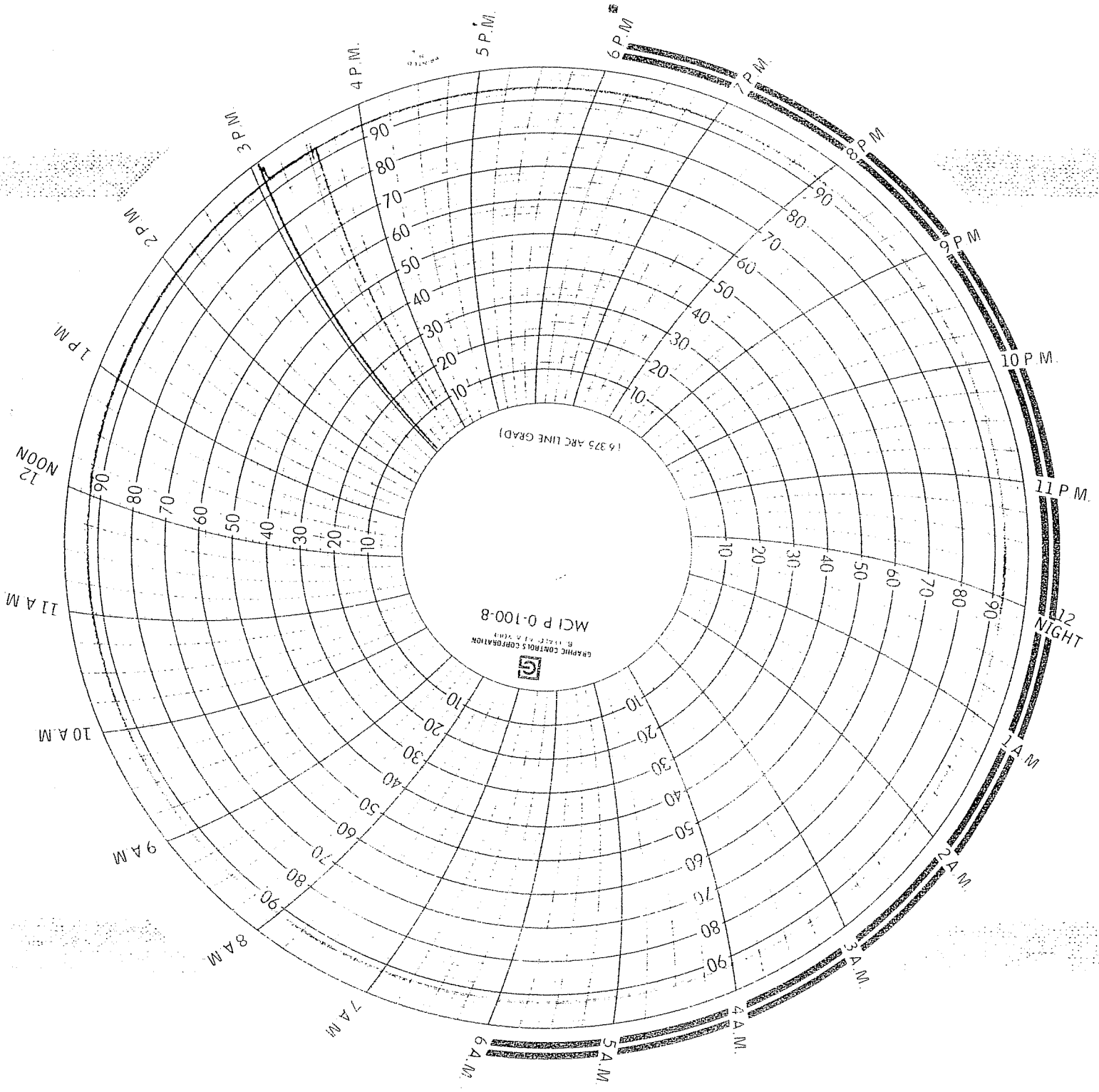
Pressure Chart For Module 317



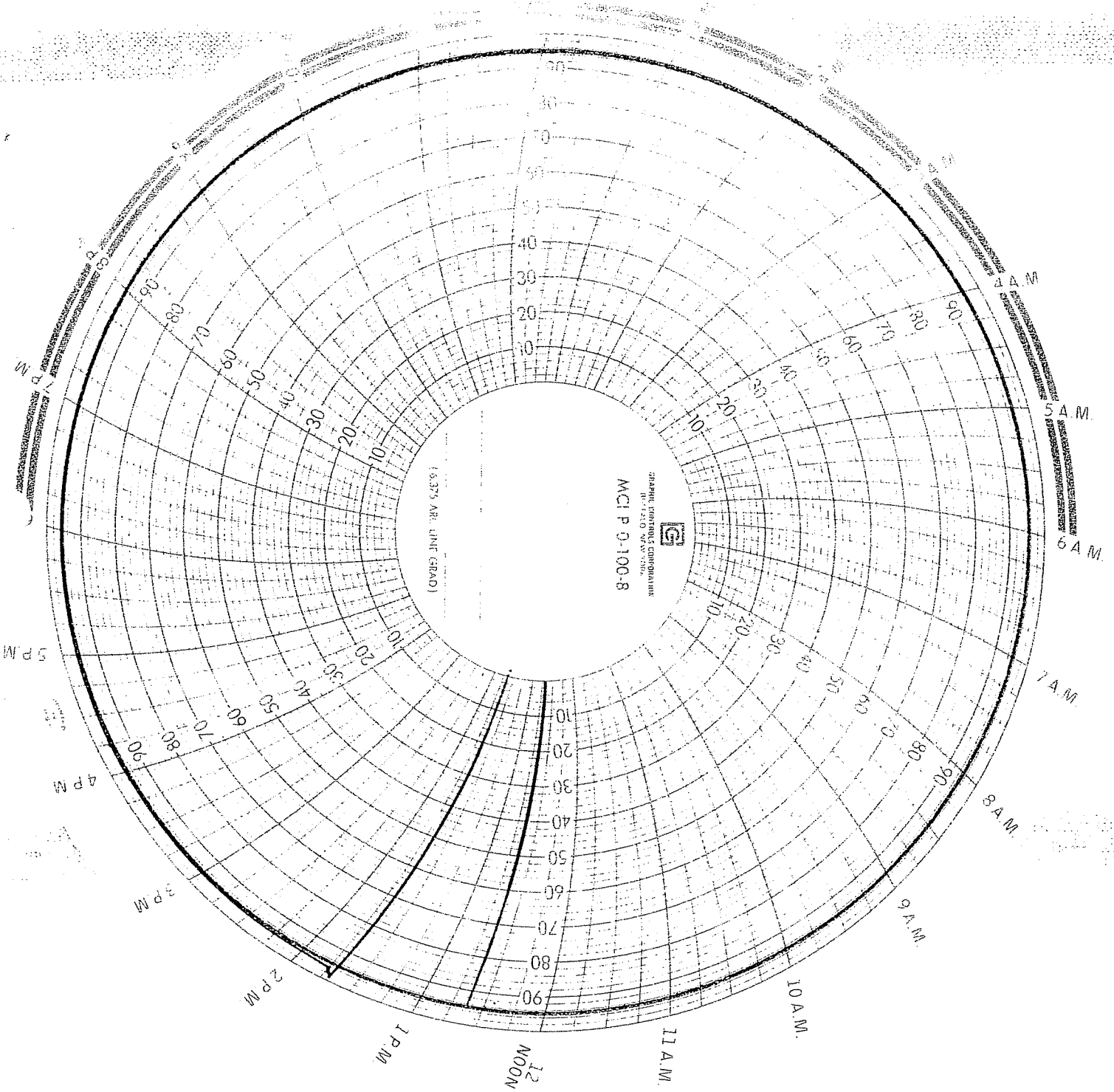
Module 317



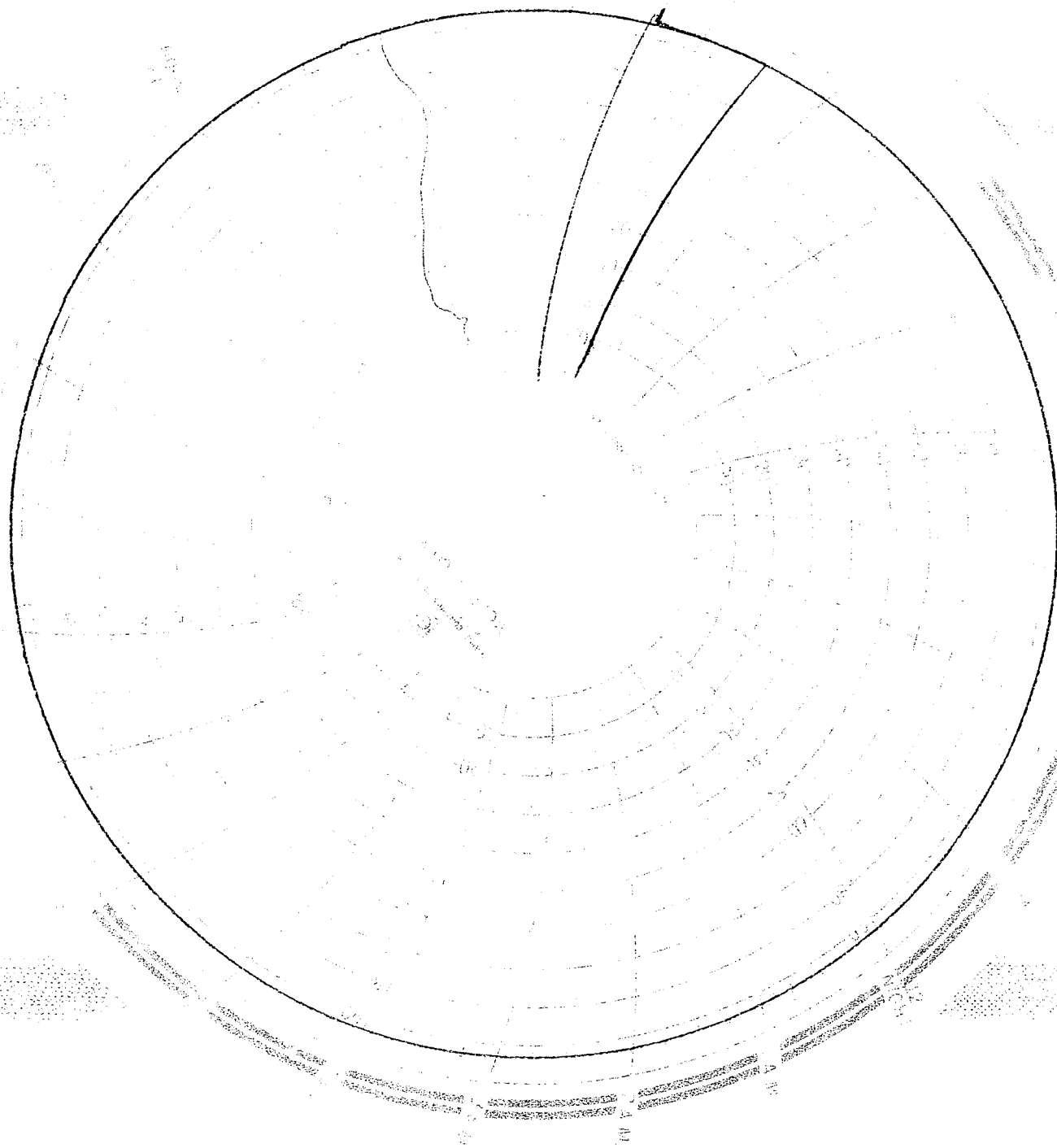
Module 317



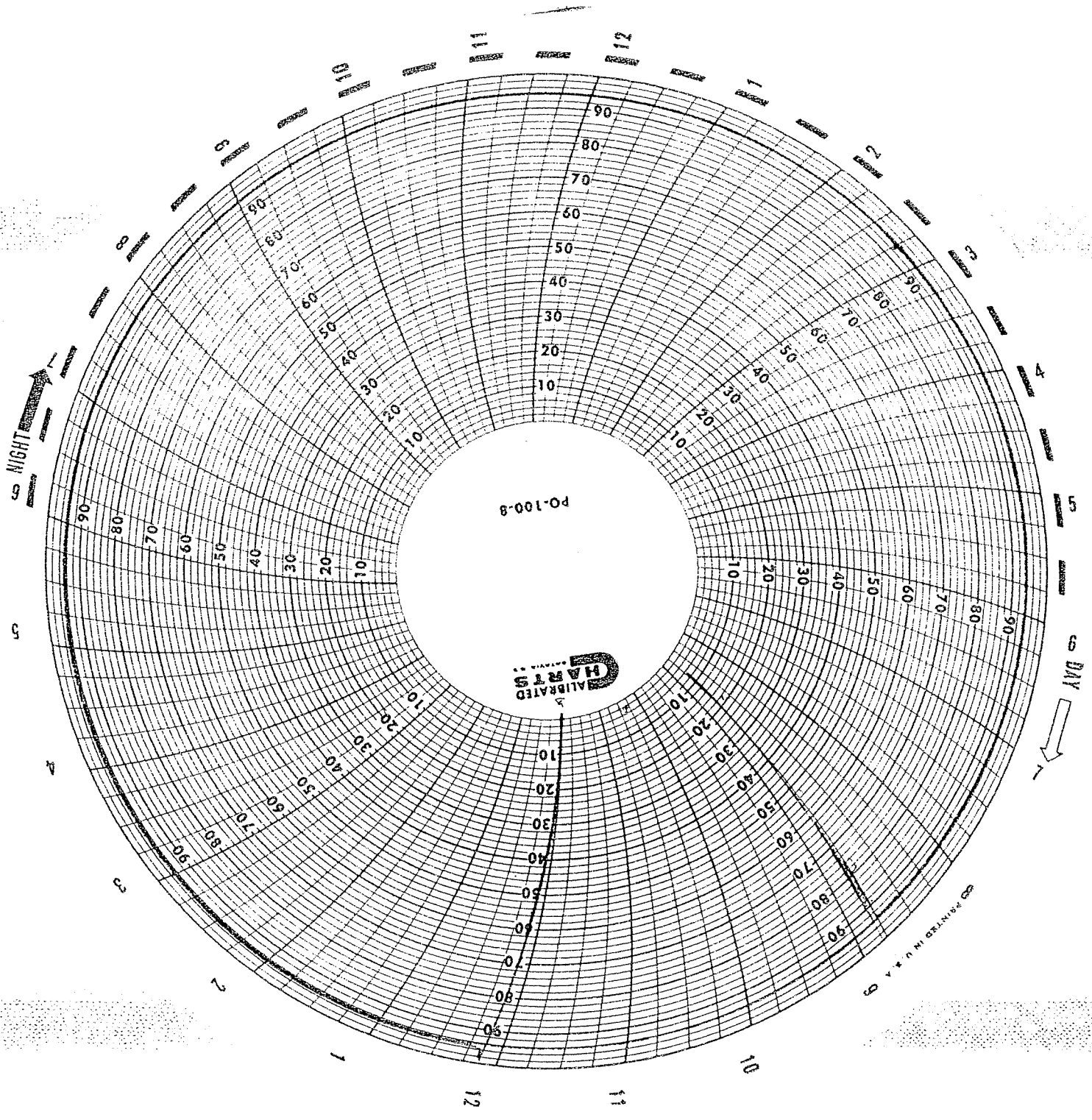
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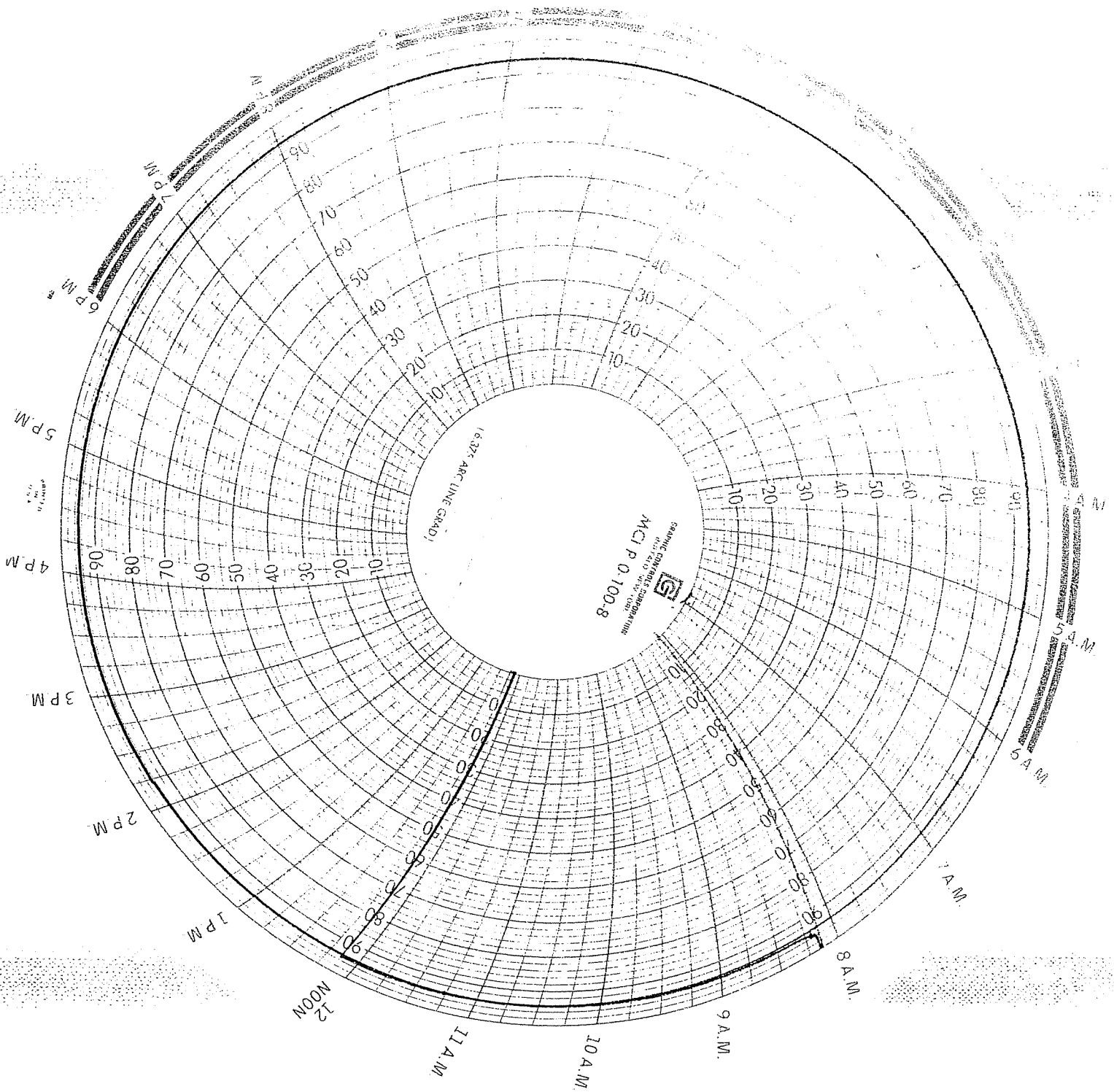
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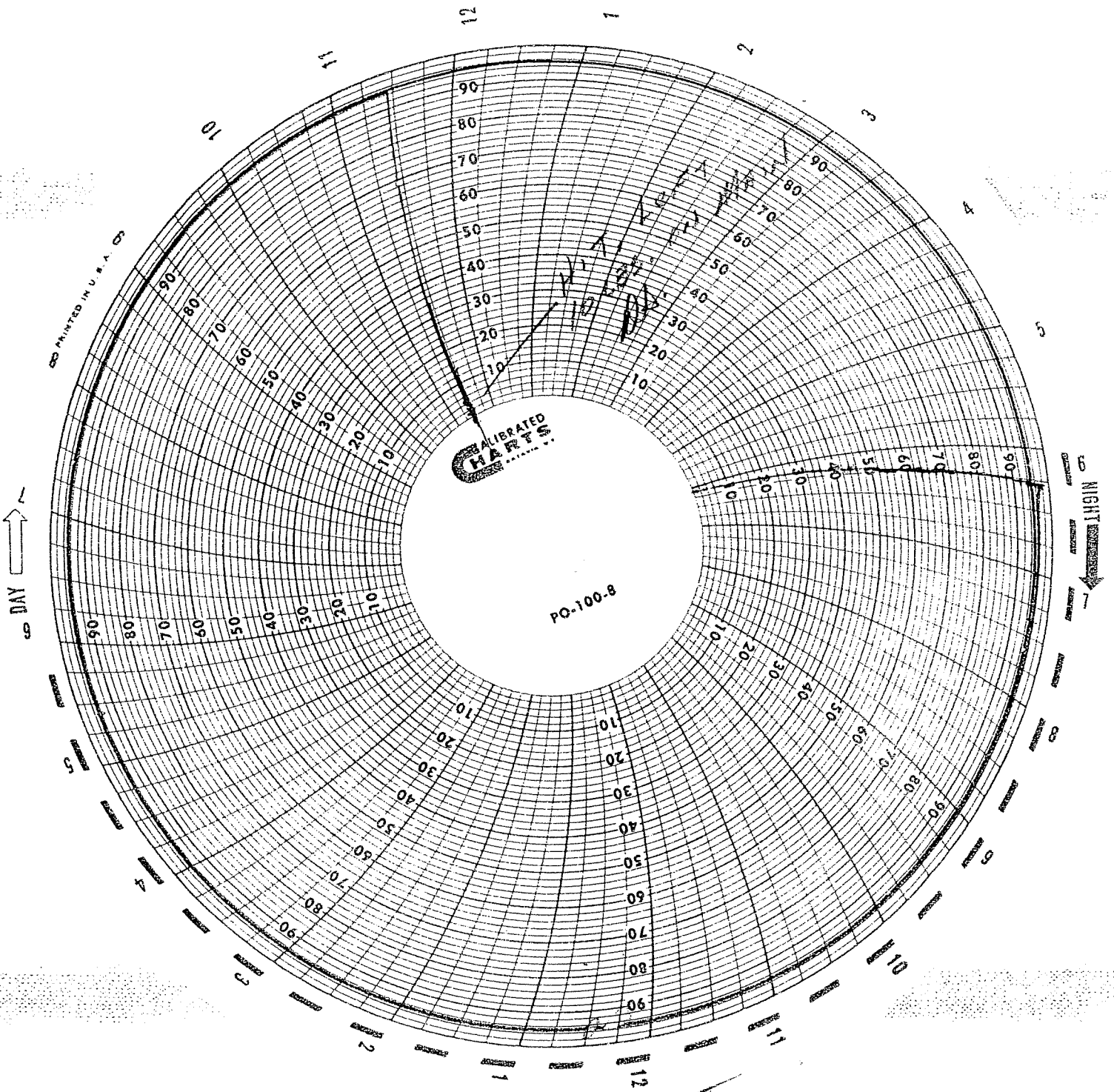


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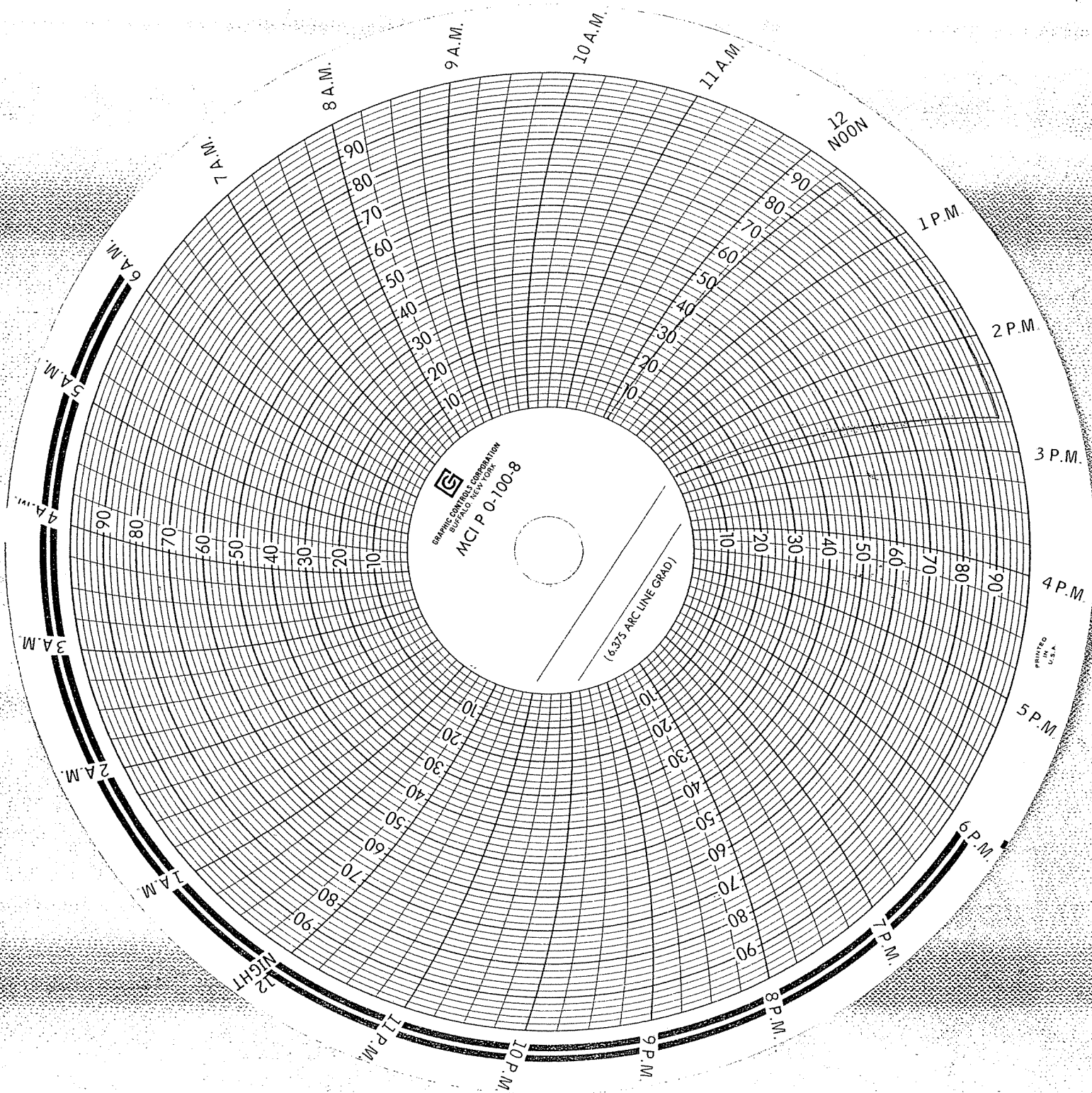


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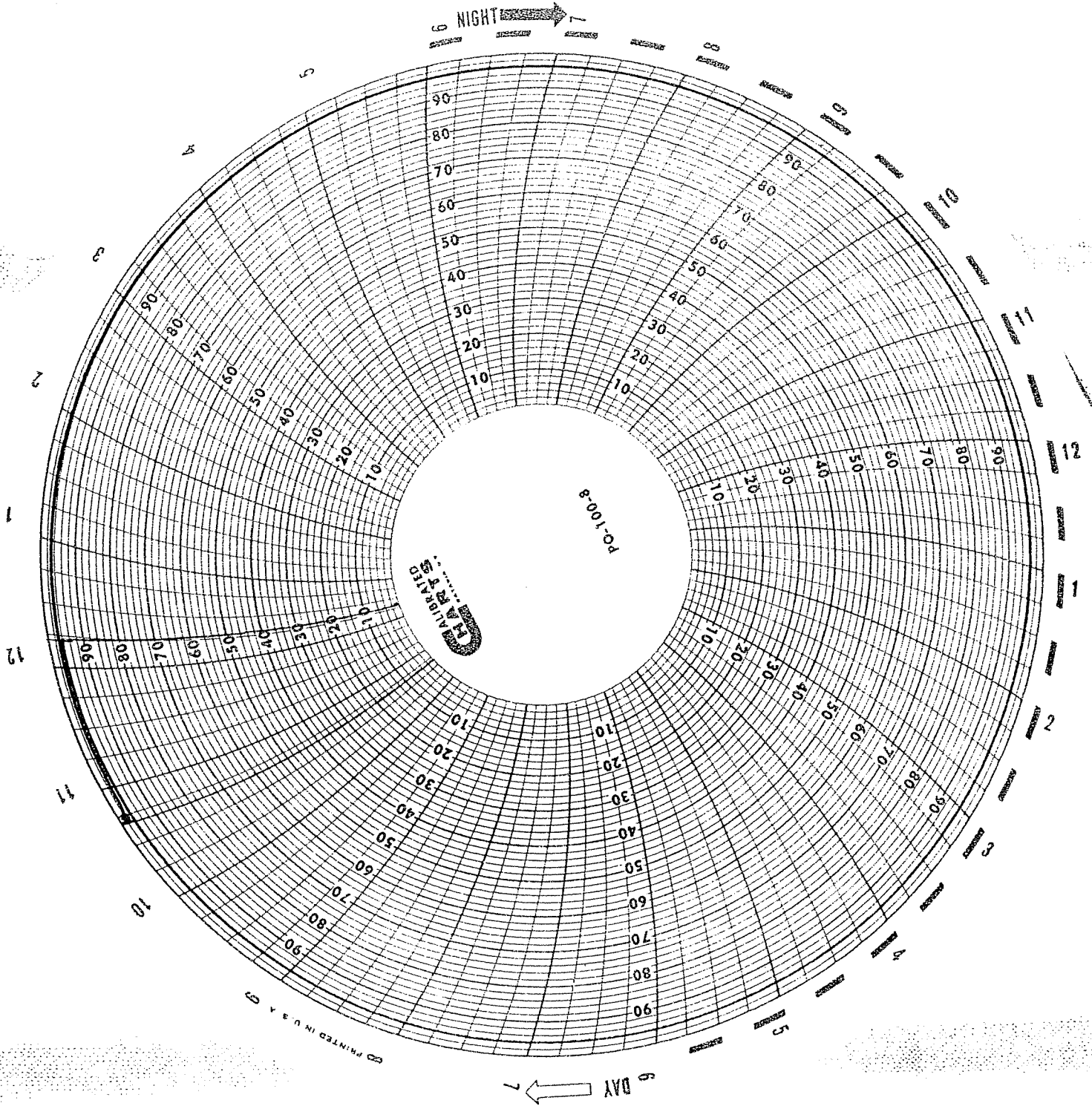


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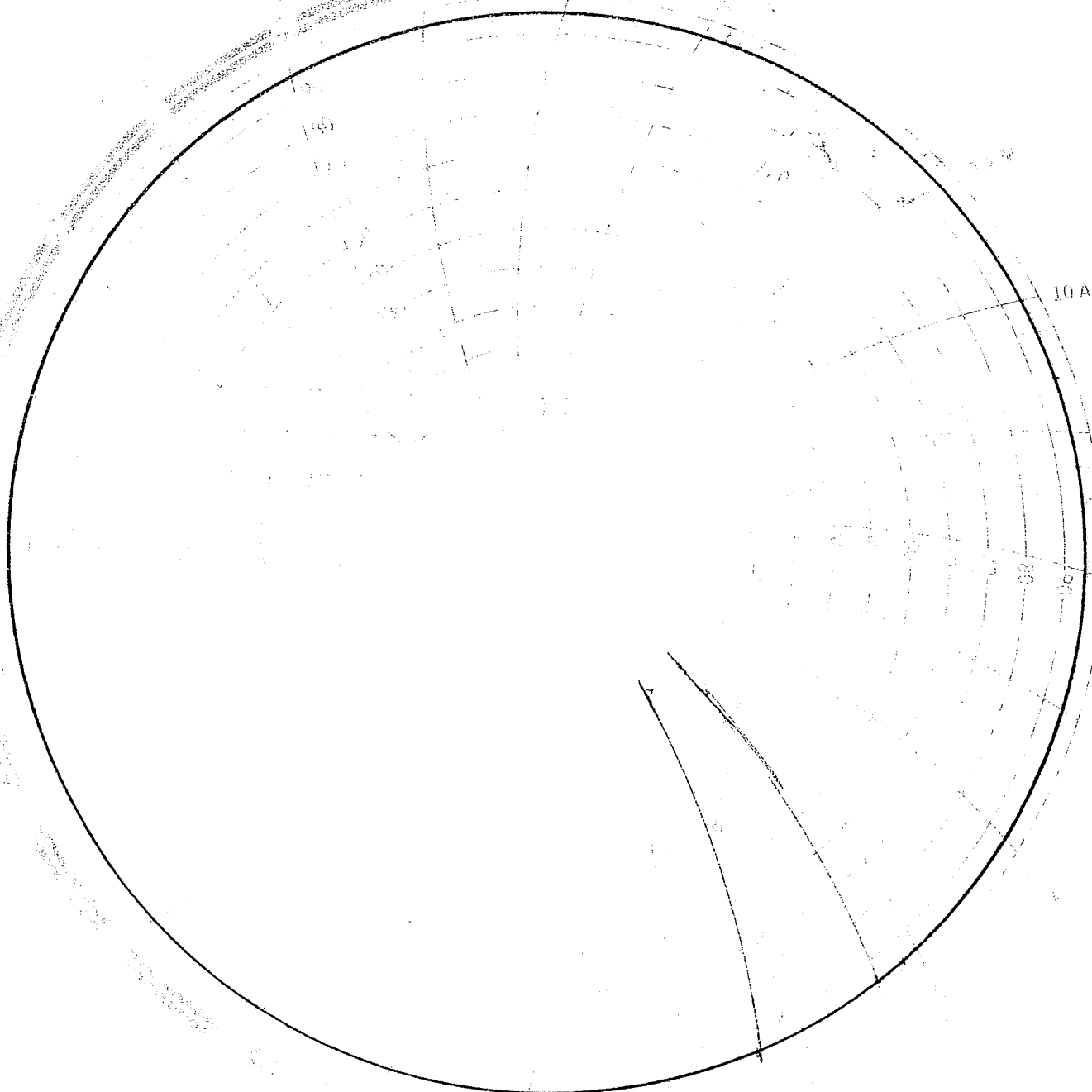


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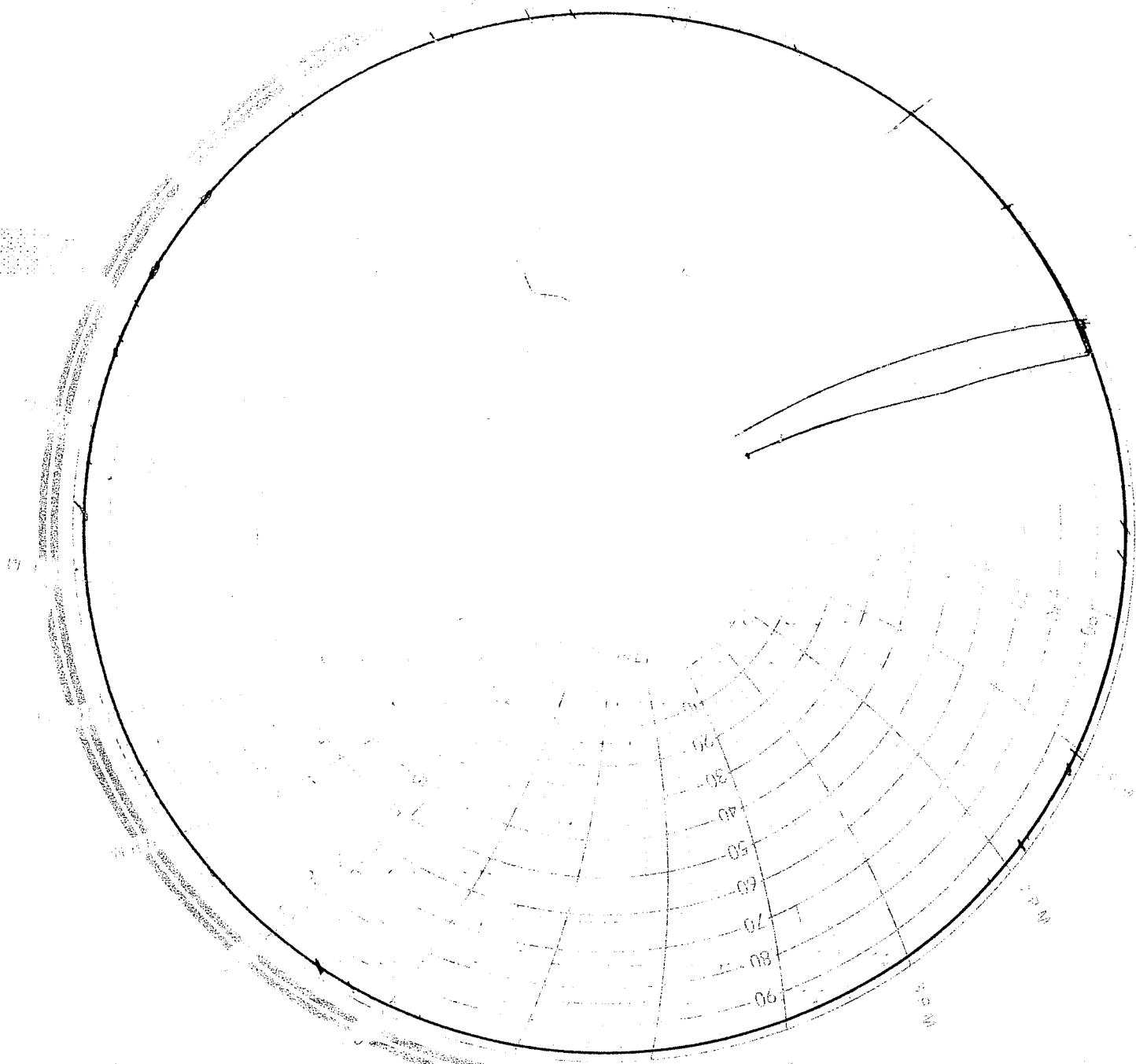
Pressure Chart For Module 320



Module 320

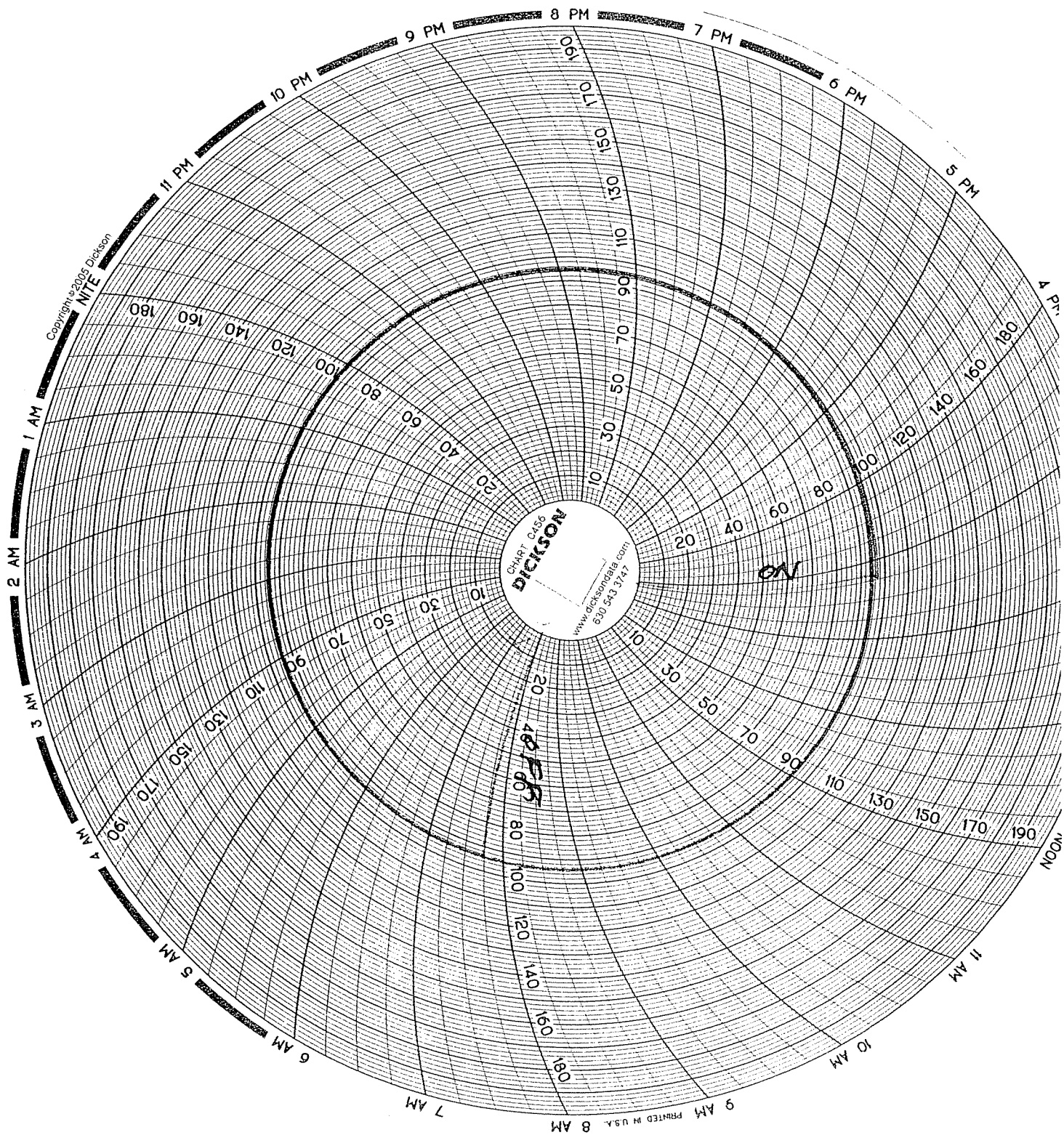


Module 320



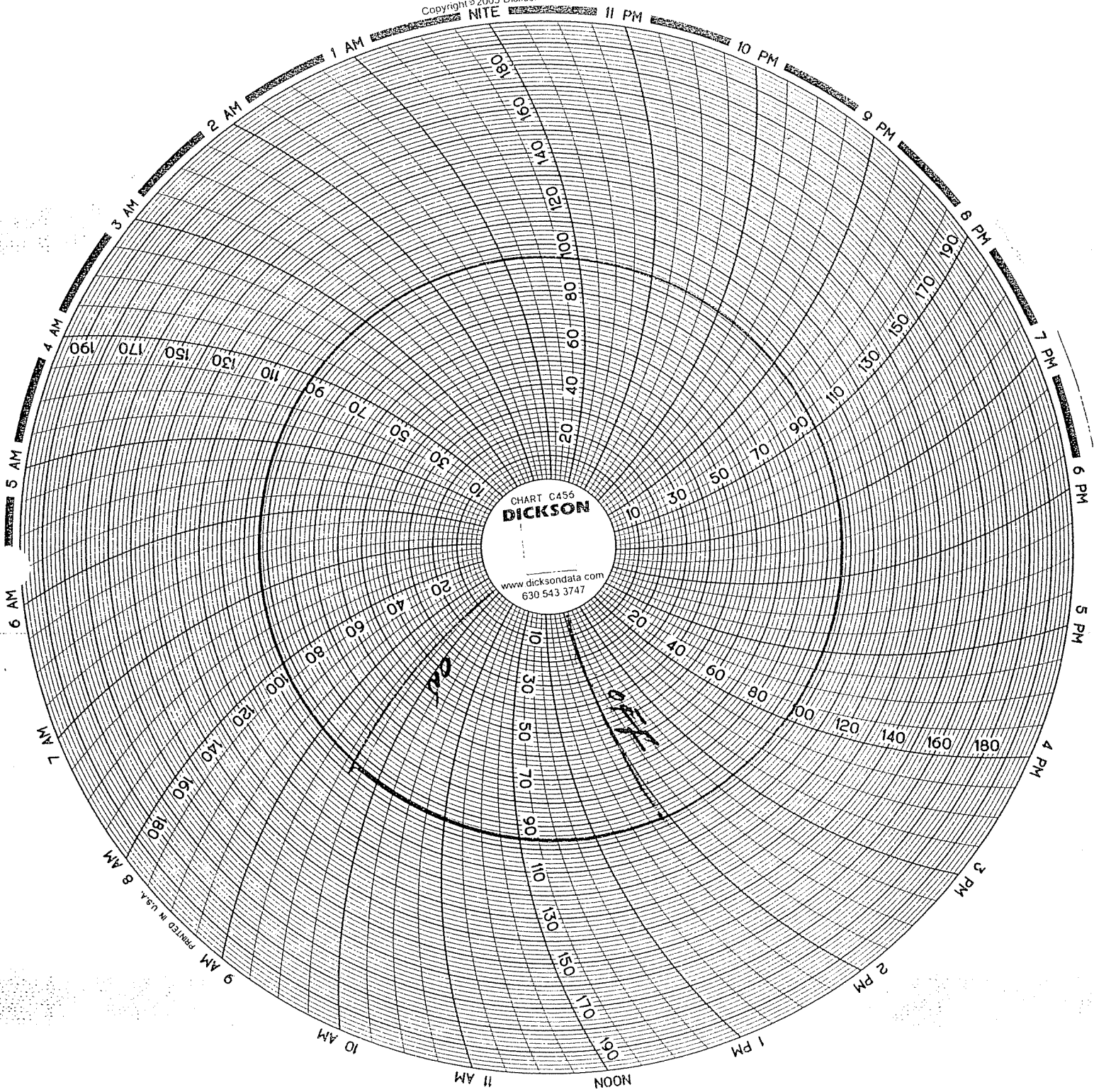
Module 320

Pressure Chart For Module 349

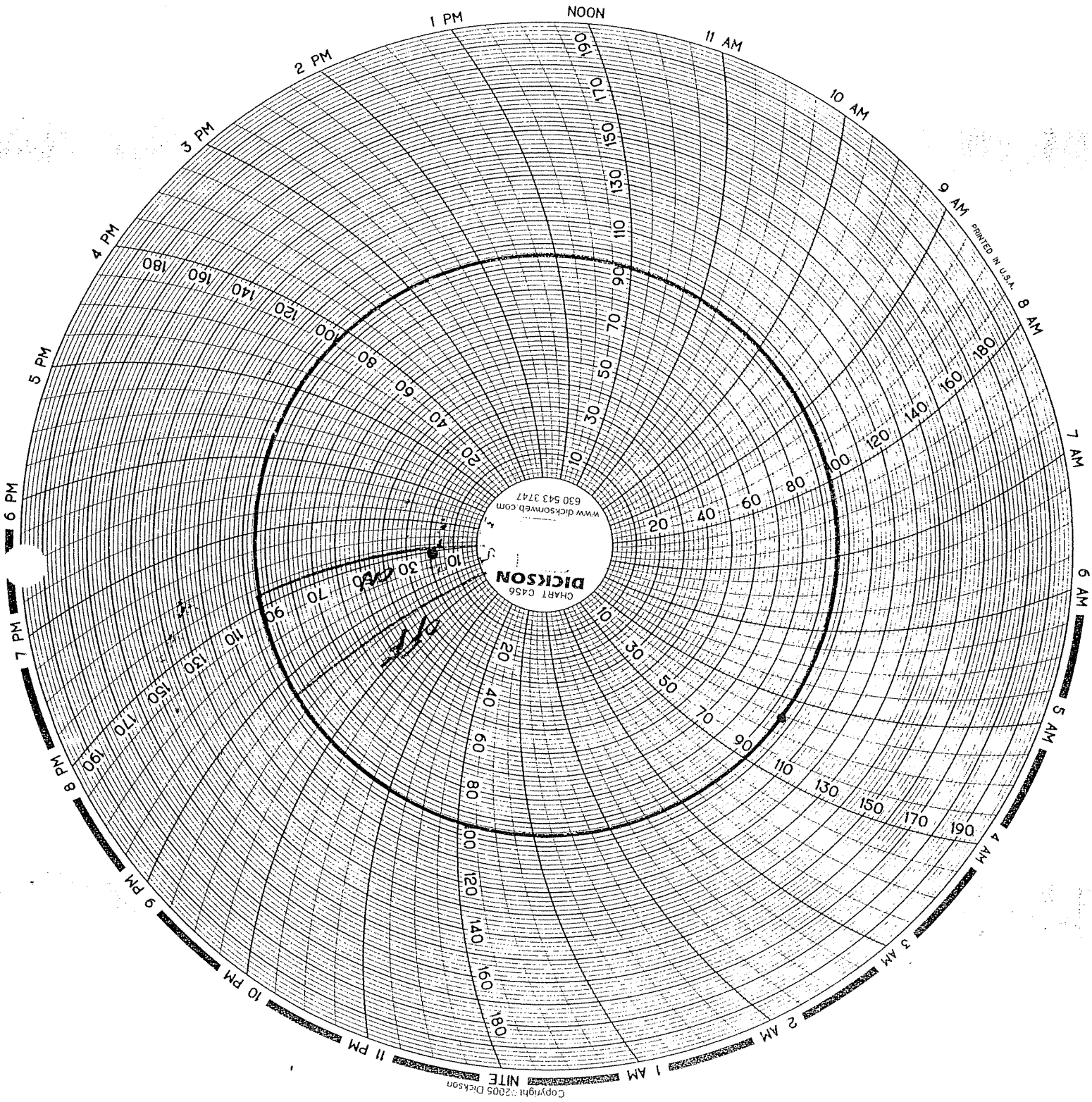


Module 349

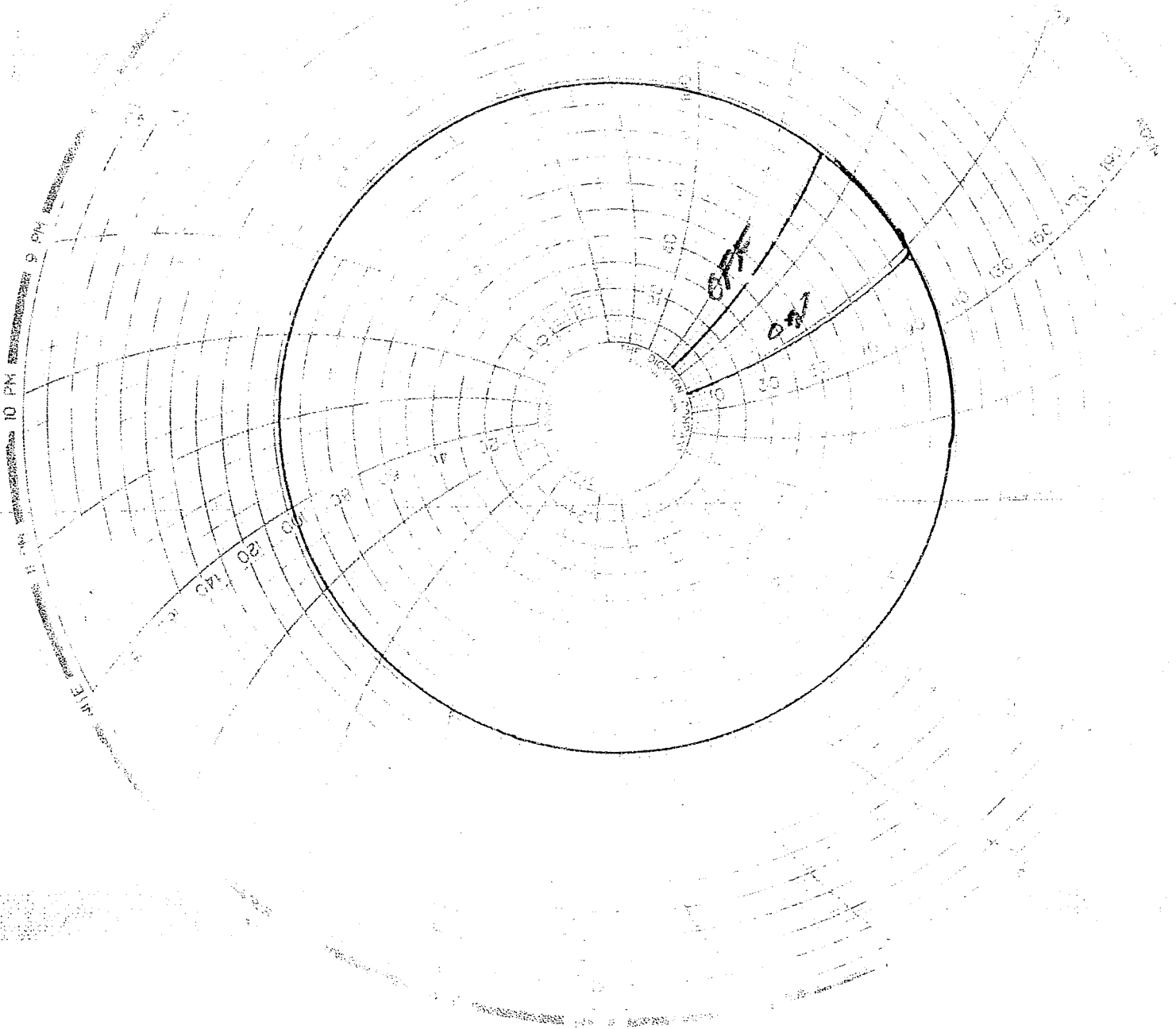
Copyright © 2005 Dickson



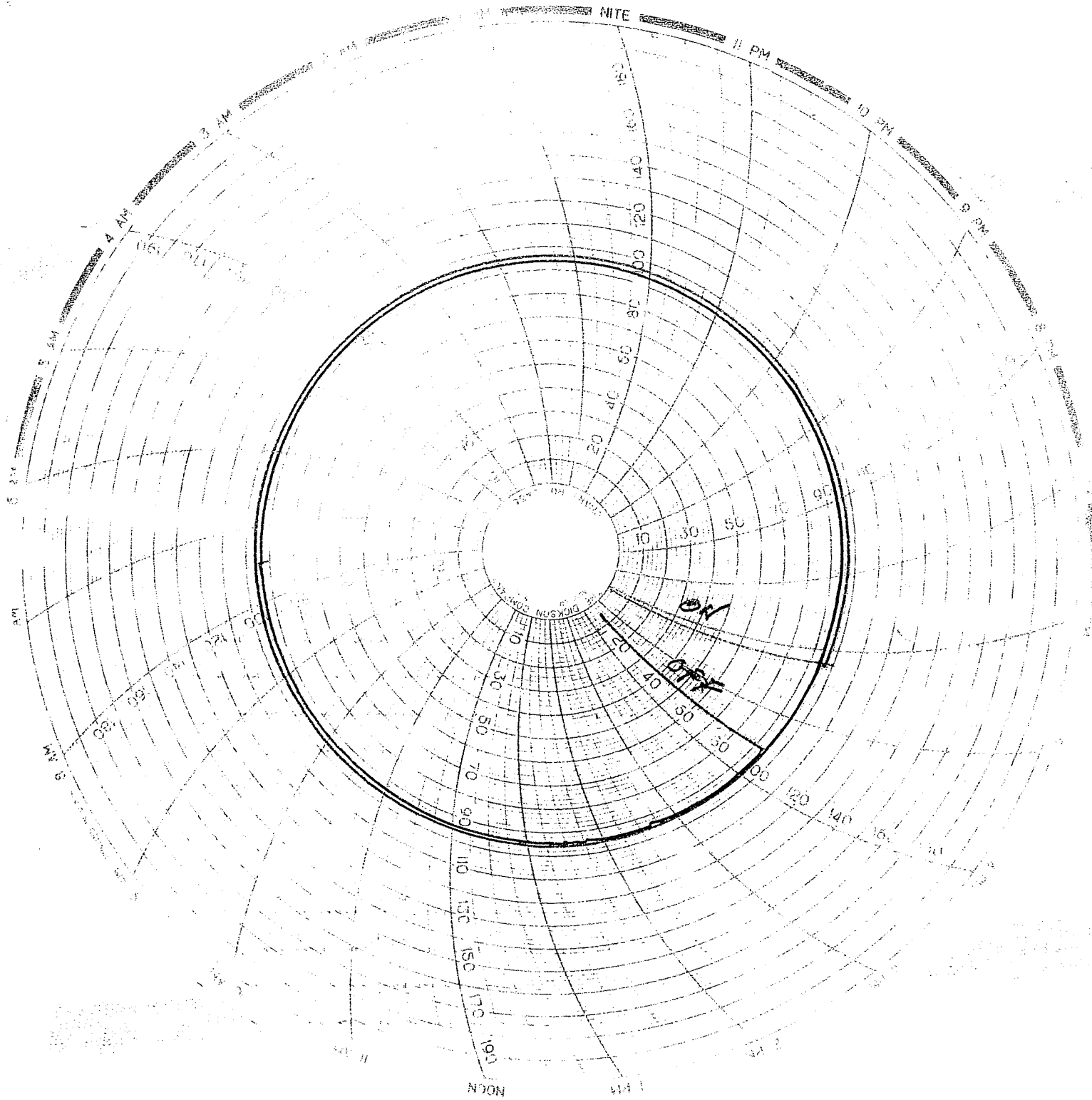
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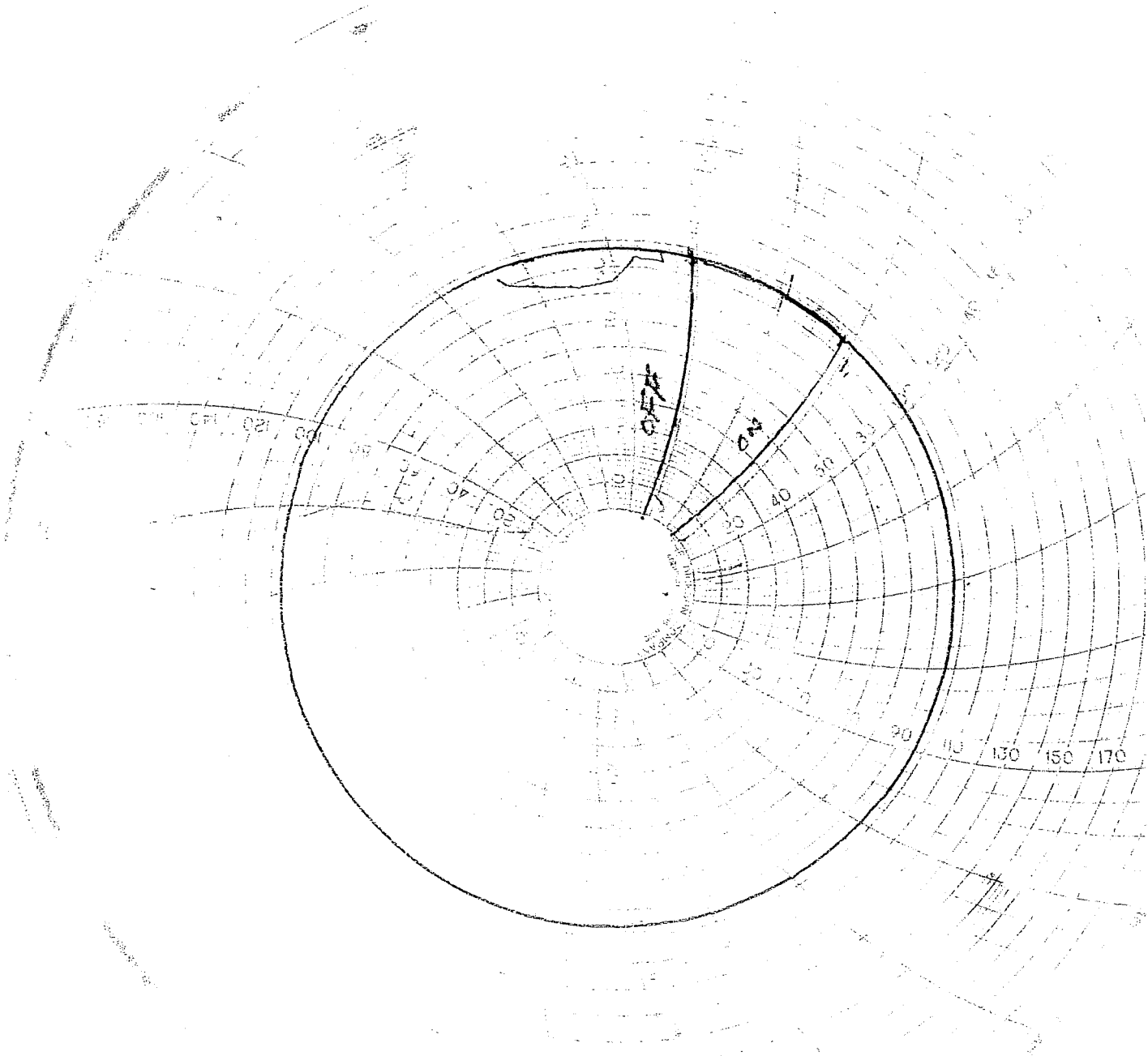


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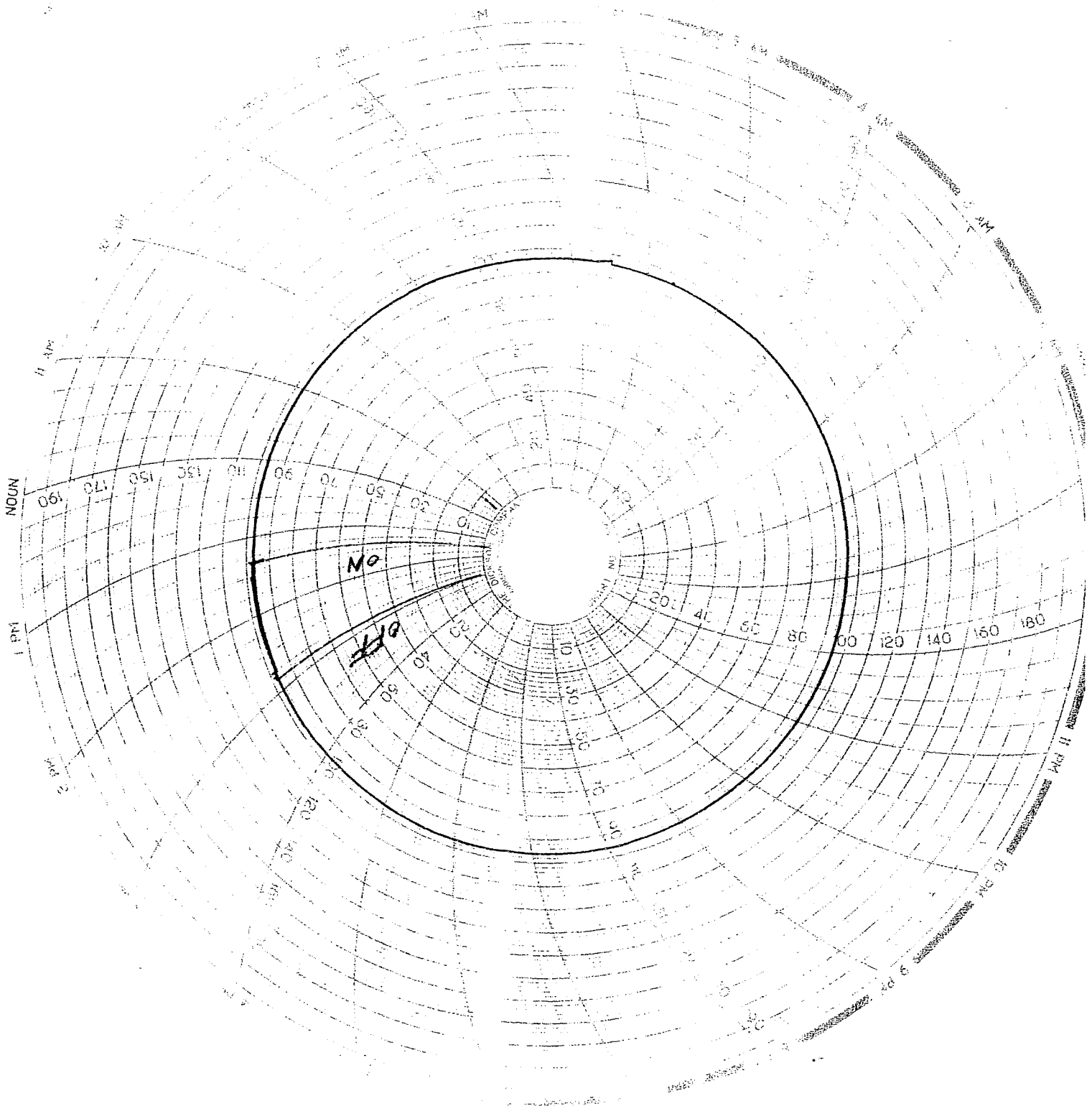


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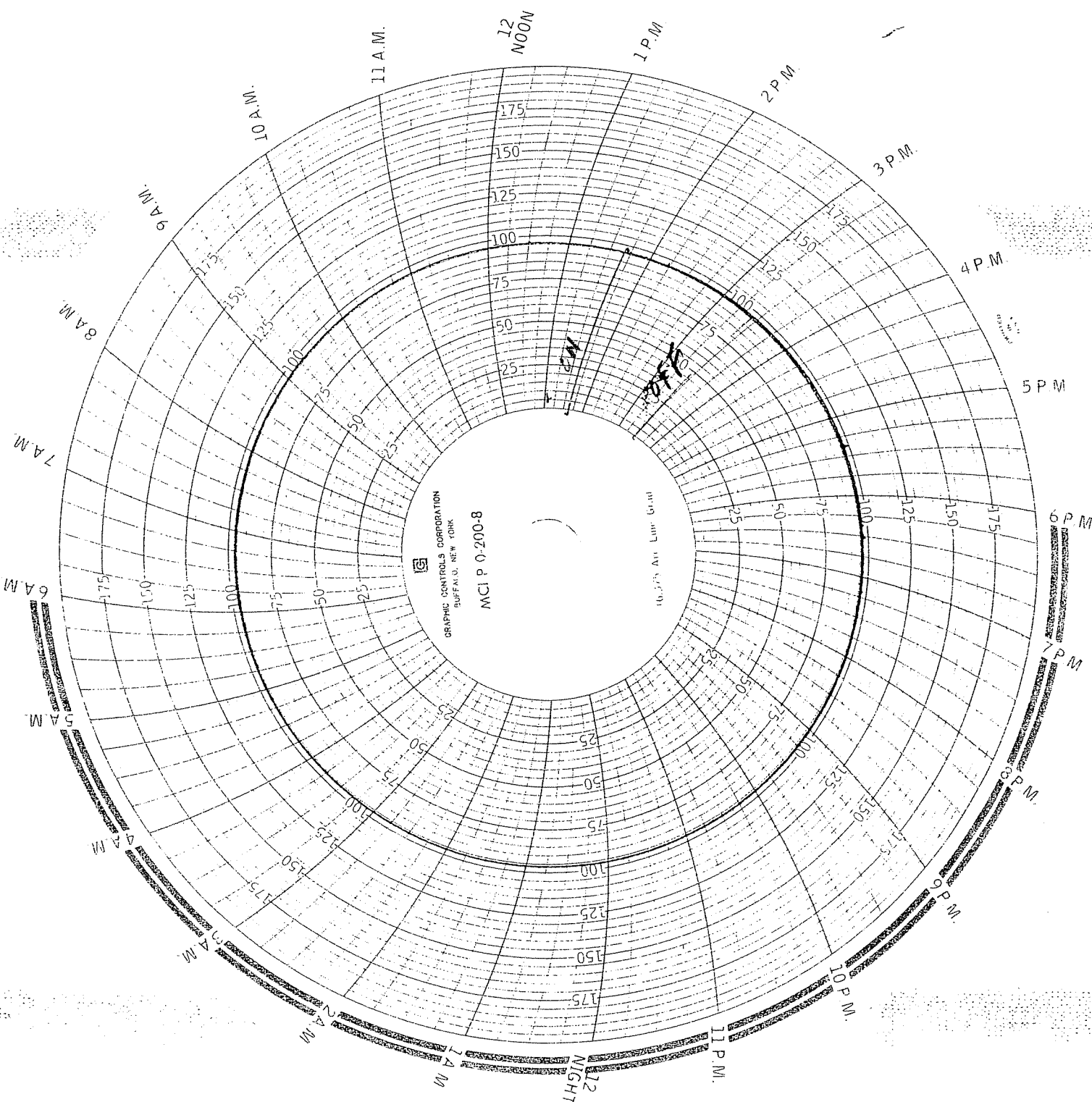


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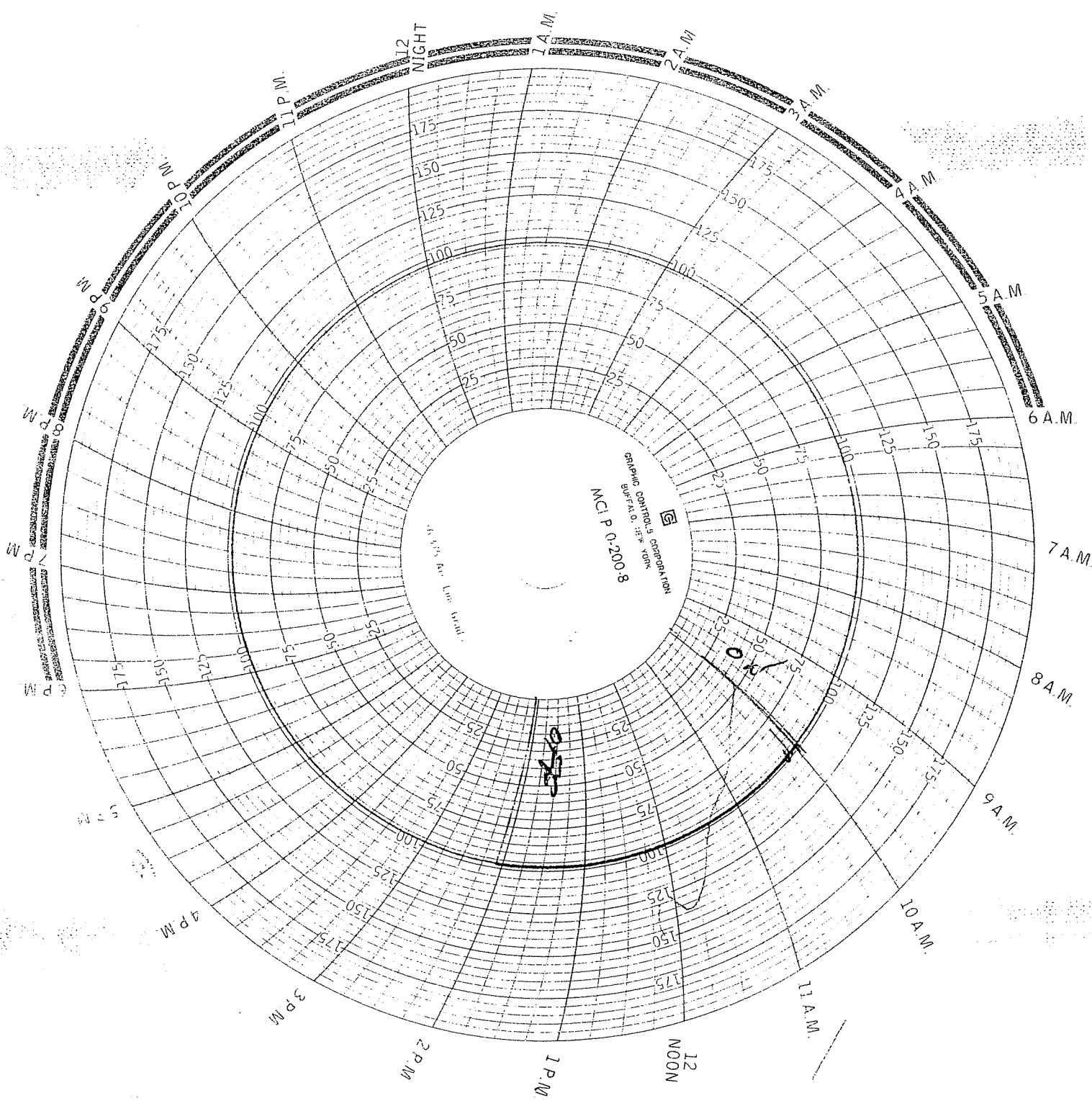


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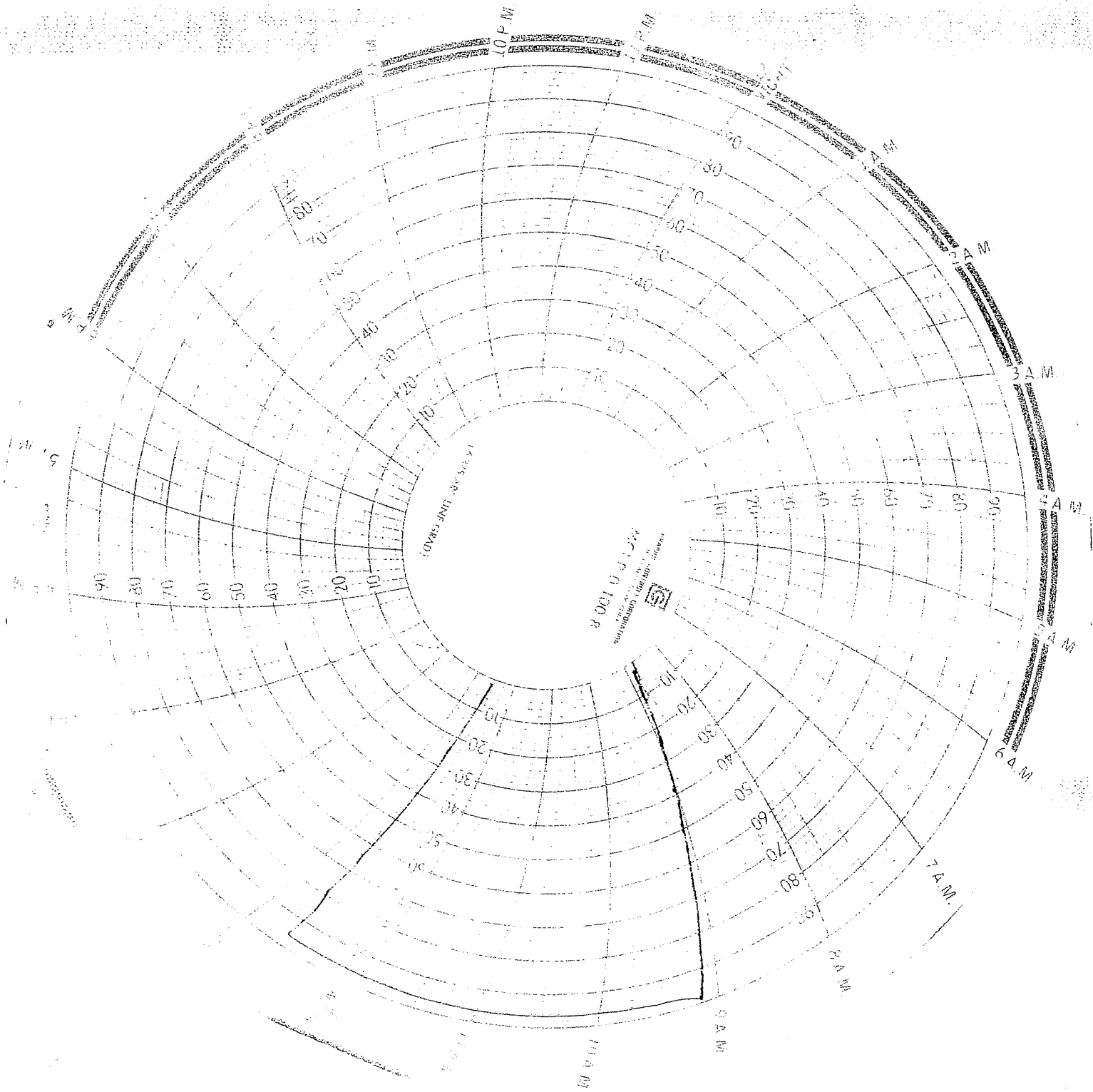
Pressure Chart For Module 351



Module 351



Module 351



Module 351

**Pressure Charts For Projects Outside of
Module Work**

Second Quarter 2007

Welding Certification

Second Quarter 2007

Duke Energy Kentucky
Company and Contractor Welder Qualifications

	WELDER NAME	DATE QUALIFIED	EMPLOYEE #	COMPANY NAME	QUALIFIED BY	MARK
	Company					
1	Kevin Adkins	01/16/07	17426	Duke-Energy	Ron Warren	E7
2	Larry Collins	01/16/07	18314	Duke-Energy	Ron Warren	C5
3	Fred Johnson	01/16/07	42025	Duke-Energy	Ron Warren	FJ
4	Kenneth Steele	01/16/07	95057	Duke-Energy	Ron Warren	KS
5	Dan Beeler	04/05/07		Duke-Energy (Electric)	Ralph Pfister	DB
	Contractor					
1	Andy Green	05/01/06	n/a	AMS	Carl Goyette	AG
2	Rod Cooper	07/18/06	n/a	AMS	Ron Warren	S6
3	Ted Hipsher	07/21/06	n/a	AMS	Ron Warren	TH
4	Benny Sanchez	07/27/06	n/a	Brewer	Ron Warren	BS
5	Tom Taxis	07/27/06	n/a	Infrasource	Ron Warren	TT
6	Mark Anton	07/28/06	n/a	AMS	Ron Warren	MA
7	Jason Bannister	12/07/06	n/a		Ron Warren	JAB
8	Mark Chapman	02/08/07	n/a	Arby Const	Ron Warren	MC Failed
9	Max Campbell	02/08/07	n/a		Ron Warren	M-C
10	Charles Addison	02/09/07	n/a	RLA	Ron Warren	CEA
11	Patrick Donald Duffy	02/12/07	n/a	Infrasource	Ron Warren	B14
12	Randy Wyatt	02/16/07	n/a	RLA	Ron Warren	WR
13	Brad Jenkins	03/13/07	n/a		Ron Warren	BJ
14	Arnold Henry-Edward Krause III	04/04/07	n/a	Infrasource	Ralph Pfister	AK
15	Andrew S. Green	04/05/07	n/a	Northern Pipeline	Ralph Pfister	AG
16	Dennis Thomas Zielinski	04/05/07	n/a	Infrasource	Ralph Pfister	DZ
17	Scott A. Harbaugh	05/07/07	n/a	Miller Pipeline	Ronald Warren	SH

COUPON TEST REPORT

SS# 20101155

Test No.: 6-17

Location: 670 W NORTH BEND RD	Date: 2/9/07
Contractor: Duke-Energy	Sub-contractor
Schedule: N/A	Gang: N/A Inspector: N/A

Date: 2/9/07 Location: OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
---	-----------------------	--------------------------------

Welder: Kenneth Steele	Mark: KS
-------------------------------	-----------------

Welding Time: 1 1/2 HR.	Time of Day: 8:00 AM	M. Temperature: 70 DEGREES F.
--------------------------------	-----------------------------	--------------------------------------

Weather Condition: Inside Building

Wind Break Used: N/A	Voltage: 21	Amperage: 120/190
-----------------------------	--------------------	--------------------------

Make of Welding Machine: LINCOLN	Size: 200
---	------------------

Brand of Electrode: LINCOLN

Size of Reinforcement: 1/8 - 5/32
--

Pipe Mfr: LTV	Kind: API GRB 5L
----------------------	-------------------------

Wall Thickness: .250	Dia. O.D.: 12 3/4	WL./Ft.: 29.31	Joint Length: Nipple
-----------------------------	--------------------------	-----------------------	-----------------------------

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.000	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.250	.250					
Maximum Load:	18500	19000					
Tensile S/in. Plate Area:	74000	76000					
Fracture Location:	BM	BM	BM	BM			

X Procedure Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
--------------------	----------------------------------	-------------------------------

Max. Tensile: 76000	Min. Tensile: 74000	Avg. Tensile: 75000
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch	Run:	Position: Bottom	Side
-----------------------	------	-------------------------	------

Test Made At: 670 W NORTH BEND	Date: 2/9/07
---------------------------------------	---------------------

Tested By: Duke-Energy	Supervised By: Ronald Warren
-------------------------------	-------------------------------------

Certified By: **Ron Warren** *(Signature)* **2/9/07** Certified under API 1104 Section 6.3 19TH Edition

Title: **WELDING SUPERVISOR**

Date: **2/9/07**

**DUKE-ENERGY
WELD COUPON TEST REPORT**

SS# _____

Test Number: _____

Date: 4/5/2007
Location: 670 W North Bend Rd

Contractor: Duke-Energy Sub-Contractor: _____
Schedule: N/A Gang: N/A Inspector: N/A
Location: Ohio Roll Weld: N/A Fixed Position Weld: 5G
Welder's Name: Dan Beeler Welder's Mark: DB

Time of Day: n/a Length of Weld Time: n/a Temperature: n/a
Weather Condition: Inside Building Wind Break Used: N/A
Make of Welding Machine: _____ Size of Machine: _____ Voltage: _____ Amperage: _____
Brand Of Electrode: _____ Size of Reinforcement: _____
Pipe Manufacturer: LTV Kind: API Gr. B 5L
Wall Thickness: 0.257 Outside Diameter: 6.625 Wt./Ft. _____ Joint Length: _____ Nipple _____

Bead No	1	2	3	4	5
Size of Electrode:		1/8	5/32	5/32	
Type of Electrode:		E6010	E6010	E6010	
Coupon Stenciled:	1	2	3	4	5
Width of Coupon (inches):	0.982	1.047			
Thickness of Coupon (inches):	0.256	0.256			
Area of Coupon (inches ²):	0.251	0.268			
Maximum Tensile Load (#):	15750	15900			
Tensile Strength of Coupon (psi):	62651	59321			
Fracture Location (BM or Weld):	BM	BM			

***** Area of coupon = width of coupon x the thickness of coupon

***** Tensile Strength = Tensile Load / (width of coupon (inches) x thickness of coupon (inches)) *****

X Procedure X Qualifying Test X Qualified
Welder 0 Line Test 0 Disqualified

Maximum Tensile: **62651** Minimum Tensile: **59321** Avg. Tensile: **60986**

Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch			
Crotch			
Side			
Side			

Pipe Diameters Branch Run: Position: Bottom Side

Test Made At: 670 W. North Bend Date: 4/5/2007

Tested By: Duke-Energy Supervised By: _____

Certified By: Ralph Pfister
SR. Eng.

Certified under API 1104 Section 6.3 19th Edition

**THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT**

SS# 239-736-000
Test No.: 6-07

Location: 670 W NORTH BEND RD Date: 05/09/06

Contractor: Cincinnati Gas & Electric Sub-contractor

Schedule: N/A Gang: N/A Inspector: N/A

Date: 05/09/06 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G

Welder ANDY GREEN MARK A G

Welding Time: 1 1/2 HR. Time of Day: 8:00AM M. Temperature 70 F.

Weather Condition: Inside Building

Wind Break Used: N/A Voltage: 21 Amperage: 120/190

Make of Welding Machine: LINCOLN Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV Kind: API GRB 5L

Wall Thickness: .250 Dia. O.D. 12 3/4 WL/Ft. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.300	.275					
Maximum Load:	19500	19000					
Tensile S/in. Plate Area:	65000	76000					
Fracture Location:	BM	BM	BM	BM			

X Procedure Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 76000

Min. Tensile: 65000

Avg. Tensile 70500

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2 SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2 SATISFACTORY

1. FACE SATISFACTORY

2. FACE SATISFACTORY

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		
Crotch	x		
Side	x		
Side	x		

Pipe Diameters Branch 12"

Run: 12"

Test Made At: 670 W NORTH BEND

Date 05/09/06

Tested By: Cincinnati Gas & Electric

Supervised By: CARL GOYETTE

Certified By: *Carl Goyette*

Title: WELDING SUPERVISOR

Date: 05/09/06

WELDING PERMIT
NAME: ANDREW GREEN
SOC. SEC. NO. 289-76-2909
EMPLOYEE NO. 11906
DATE 5-9-06
The above named welder has passed tests of the Cincinnati Gas & Electric Co. & Subsidiaries & is qualified to make
welds in material with a maximum strength X 60 PIPE
ALL position by the
maximum diameter
in
process
WELDING INSTRUCTOR OR INSPECTOR
DATE 5-9-06

**DUKE-ENERGY
COUPON TEST REPORT**

SS# 402000000
Test No.: 608

Location: **670 W NORTH BEND RD**

Date: **7/18/06**

Contractor: **Duke-Energy**

Sub-contractor

Schedule: **N/A**

Gang: **N/A**

Inspector: **N/A**

Date: **7/18/06**

Location- **OHIO**

Roll Weld: **N/A**

Fixed Position Weld: **5G**

Welder **Rodney Cooper**

MARK **S6**

Welding Time: **2 HR.**

Time of Day: **9:00 AM**

M. Temperature **80 DEGREES F.**

Weather Condition: **Inside Building**

Wind Break Used: **N/A**

Voltage:

Amperage: **190**

Make of Welding Machine **LINCOLN CLASSIC 1**

Size **220 A**

Brand of Electrode: **LINCOLN**

Size of Reinforcement **5/32**

Pipe Mfr: **LTV**

Kind: **X-52**

Wall Thickness: **0.386**

Dia. O.D. **12 3/4**

Wt./Ft. **29.31**

Joint Length: **Nipple**

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	5/32	5/32	5/32	5/32	5/32		
No. of Electrode:	E80109	E80109	E80109	E80109	E80109		
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	0.320	0.322					
Dimension of Plate:	0.956	0.849					
Orig. Area of Plate in 2:	0.306	0.273					
Maximum Load:	25,200	24,900					
Tensile S/in. Plate Area:	82,352	91,208					
Fracture Location:	BM	BM					

X Procedure
Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 91,208	Min. Tensile: 82,352	Avg. Tensile 86,780
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch

Run:

Position: **Bottom**

Side

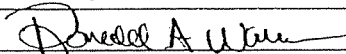
Test Made At: **670 W NORTH BEND**

Date

Tested By: **Duke-Energy**

Supervised By: **Ronald Warren**

Certified By: **Ron Warren**



Certified under API 1104 Section 6.3 19TH Edition

Title: **WELDING SUPERVISOR**

Date: **7/18/06**

**THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT**

SS#200-643-1
Test No 6-09

Location: 670 W NORTH BEND RD

Date: 07/18/06

Contractor: Cincinnati Gas & Electric

Sub-contractor AMS

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 7/21/06

Location: OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder: Ted Hipscher

MARK - TH

Welding Time: 2 HR.

Time of Day: 8:45 AM

M. Temperature 81 F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage:


Amperage: 190


Make of Welding Machine: Lincoln Classic 1

Size: 220A

Brand of Electrode: Lincoln

Size of Reinforcement: 1/8" & 5/32"

Pipe Mfr: 

Kind: API 

Wall Thickness: .250

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:			1.200	1.100			
Dimension of Plate:			0.219	0.219			
Orig. Area of Plate in 2:			0.262	0.240			
Maximum Load:			17500	17000			
Tensile S/in. Plate Area:			66793	70833			
Fracture Location:			BM	BM			

X Procedure
Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 91208

Min. Tensile: 82352

Avg. Tensile: 86780

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1 SATISFACTORY FRACTURE BASE METAL	1 Root SATISFACTORY	1 SATISFACTORY
2 SATISFACTORY FRACTURE BASE METAL	2 Root SATISFACTORY	2 SATISFACTORY
Reduced coupon width to accommodate range of tensile machine	1 FACE SATISFACTORY	
	2 FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		
Crotch	x		
Side	x		
Side	x		

Pipe Diameters Branch 12"

Run: 12"

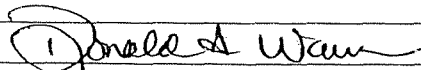
Position: Bottom x Side

Test Made At: 670 W NORTH BEND

Date 7/21/06

Tested By: Cincinnati Gas & Electric

Supervised By: Ronald Warren

 7/21/06

Certified By: Ron Warren
Edition

Certified under API 1104 Section 6.3 19TH

Title: WELDING SUPERVISOR

THE CINCINNATI GAS & ELECTRIC COMPANY
Coupon Test Report
 SS#43 79 7247
 Test No 6-11

RAW 2006

Location: 670 W NORTH BEND RD		Date: 07/27/06	
Contractor: Cincinnati Gas & Electric		Sub-contractor Michels	
Schedule: N/A		Inspector: N/A	
Date: 7/27/06	Location- OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder Benny Sanchez		MARK - BS	
Welding Time: 2 HR.		Time of Day: 8:00 AM	M. Temperature 85 F.
Weather Condition: Inside Building			
Wind Break Used: N/A		Voltage: Amperage: 190	
Make of Welding Machine Lincoln Classic 1		Size: 220A	
Brand of Electrode Lincoln			
Size of Reinforcement 5/32"			
Pipe Mfr: SEW		Kind: API GRB X52	
Wall Thickness: .385	Dia. O.D. 12 3/4	Wt/Ft 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E8010G	E8010G			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:			0.822	0.848			
Dimension of Plate:			0.320	0.273			
Orig. Area of Plate in 2:			0.263	0.231			
Maximum Load:			22400	23550			
Tensile S/in. Plate Area:			82352	91208			
Fracture Location:			BM	BM			

X Procedure Welder		X Qualifying Test 0 Line Test		X Qualified 0 Disqualified	
Max. Tensile: 91208		Min. Tensile: 82352		Avg. Tensile: 86780	
Remarks on Tensile		Remarks on Bend Tests		Remarks on Nick Tests	
1 SATISFACTORY FRACTURE BASE METAL		1 Root SATISFACTORY		1 SATISFACTORY	
2 SATISFACTORY FRACTURE BASE METAL		2 Root SATISFACTORY		2 SATISFACTORY	
Reduced coupon width to accommodate range of tensile machine		1 FACE SATISFACTORY			
		2 FACE SATISFACTORY			

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		
Crotch	x		
Side	x		
Side	x		

Pipe Diameters Branch 12"	Run: 12"	Position: Bottom	x	Side
Test Made At: 670 W NORTH BEND		Date 07-27-06		
Tested By: Cincinnati Gas & Electric		Supervised By: Ronald Warren		
Certified By: Ron Warren	<i>Donald A. Warren</i> 7/27/06	Certified under API 1104 Section 6.3 19 TH Edition		
Title: WELDING SUPERVISOR				

**THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT**

Raw 2006

SS#268-36-4113

Test No 6-10

Location: 670 W NORTH BEND RD Date: 07/27/06
 Contractor: Cincinnati Gas & Electric Sub-contractor: Michels
 Schedule: N/A Gang: N/A Inspector: N/A
 Date: 7/27/06 Location- OHIO Roll Weld: N/A Fixed Position Weld: 5G
 Welder Tom Taxis MARK - TT
 Welding Time: 2 HR. Time of Day: 9:00 AM M. Temperature 85 F.
 Weather Condition: Inside Building
 Wind Break Used: N/A Voltage: Amperage: 190
 Make of Welding Machine Lincoln Classic 1 Size: 220A
 Brand of Electrode Lincoln
 Size of Reinforcement 5/32"

Pipe Mfr: **AVP** Kind: API **5R B X 52**
 Wall Thickness: .385 Dia. O.D. 12 3/4 Wt./Ft. 29.31 Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E8010G	E8010G			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:			0.822	0.848			
Dimension of Plate:			0.320	0.273			
Orig. Area of Plate in 2:			0.263	0.231			
Maximum Load:			25400	24500			
Tensile S/in. Plate Area:			82352	91208			
Fracture Location:			BM	BM			

X Procedure Welder X Qualifying Test 0 Line Test X Qualified 0 Disqualified

Max. Tensile: 91208	Min. Tensile: 82352	Avg. Tensile: 86780
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY FRACTURE BASE METAL	1 ROOT SATISFACTORY	1 SATISFACTORY
2 SATISFACTORY FRACTURE BASE METAL	2 ROOT SATISFACTORY	2 SATISFACTORY
Reduced coupon width to accommodate range of tensile machine	1 FACE SATISFACTORY	
	2 FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		
Crotch	x		
Side	x		
Side	x		

Pipe Diameters Branch 12" Run: 12" Position: Bottom x Side

Test Made At: 670 W NORTH BEND Date 07-27-06

Tested By: Cincinnati Gas & Electric Supervised By: Ronald Warren



Certified By: Ron Warren *Ronald Warren* 7/27/06 Certified under API 1104 Section 6.3 19TH Edition

Title: WELDING SUPERVISOR

**THE CINCINNATI GAS & ELECTRIC COMPANY
COUPON TEST REPORT**

RAW 2006

SS# 210 300000
Test No 6-12

Location: 670 W NORTH BEND RD		Date: 07/29/06	
Contractor: Cincinnati Gas & Electric		Sub-contractor: Ams	
Schedule: N/A		Inspector: N/A	
Date: 7/29/06	Location: OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder: Mark Anton		MARK - MA	
Welding Time: 2 HR.		Time of Day: 8:00 AM	M. Temperature: 85F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage:	Amperage: 190	
Make of Welding Machine: Lincoln Classic 1		Size: 220A	
Brand of Electrode: Lincoln			
Size of Reinforcement: 5/32"			
Pipe Mfr: 	Kind: API 		
Wall Thickness: .385	Dia. O.D. 12 3/4	Wt./Ft. 29.31	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E8010G	E8010G			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:			0.822	0.848			
Dimension of Plate:			0.320	0.273			
Orig. Area of Plate in 2:			0.263	0.231			
Maximum Load:			22400	23550			
Tensile S/in. Plate Area:			82352	91208			
Fracture Location:			BM	BM			

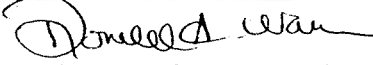
X Procedure Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
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Max. Tensile: 91208	Min. Tensile: 82352	Avg. Tensile: 86780
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY FRACTURE BASE METAL	1 Root SATISFACTORY	1 SATISFACTORY
2 SATISFACTORY FRACTURE BASE METAL	2 Root SATISFACTORY	2 SATISFACTORY
Reduced coupon width to accommodate range of tensile machine	1 FACE SATISFACTORY	
	2 FACE SATISFACTORY	

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		
Crotch	x		
Side	x		
Side	x		

Pipe Diameters Branch: 12"	Run: 12"	Position: Bottom	x	Side
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Test Made At: 670 W NORTH BEND	Date: 07-29-06
Tested By: Cincinnati Gas & Electric	Supervised By: Ronald Warren

Certified By: Ron Warren Edition	 Certified under API 1104 Section 6.3 19 TH Edition
Title: WELDING SUPERVISOR	

**DUKE-ENERGY
COUPON TEST REPORT**

SS# 870 35-0014

Test No.: 6-13

Location: 670 W NORTH BEND RD

Date: 12/7/06

Contractor: Duke-Energy

Sub-contractor

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 12/7/06

Location: OHIO

Roll Weld: N/A

Fixed Position Weld:

Welder Jason Bannister

MARK JAB

Welding Time: 2 HRS.

Time of Day: 7:00 A.M.

M. Temperature

38 DEGREES

F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine: LINCOLN

Size: 200

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8 - 5/32

Pipe Mfr: LTV

Kind: API GRB 5L

Wall Thickness: 250

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8					
No. of Electrode:	E6010	E6010					
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.300	.275					
Maximum Load:	20,500	19,500					
Tensile S/in. Plate Area:	68,333	70,909					
Fracture Location:	BM	BM					

X Procedure
Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile:	Min. Tensile:	Avg. Tensile
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch

Run:

Position: Bottom

Side

Test Made At: 670 W NORTH BEND

Date

Tested By: Duke-Energy

Supervised By: Ronald Warren

Certified By: Ron Warren

Ronald A Warren

Certified under API 1104 Section 6.3 19TH Edition

Title: WELDING SUPERVISOR

12/7/06

Date: 12/7/06

**DUKE-ENERGY
COUPON TEST REPORT**

SS# 37 10 1104

Test No.: 6-14

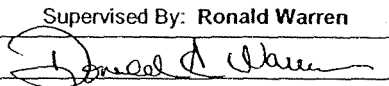
Location: 670 W NORTH BEND RD		Date: 2/8/07	
Contractor: Duke-Energy		Sub-contractor	
Schedule: N/A		Gang: N/A	
Inspector: N/A			
Date: 2/8/07	Location: OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder: Max Campbell		Mark: M-C	
Welding Time: 2 1/2 HRS.		Time of Day: 8:30 AM	M. Temperature 70 DEGREES F.
Weather Condition: Inside Building			
Wind Break Used: N/A		Voltage: 21	Amperage: 120/190
Make of Welding Machine LINCOLN		Size 200	
Brand of Electrode: LINCOLN			
Size of Reinforcement 1/8 - 5/32			
Pipe Mfr: LTV		Kind: Steel	
Wall Thickness: .219	Dia. O.D. 12 3/4	Wt./Ft. 30	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8	5/32	5/32			
No. of Electrode:	E6010	E6010	E6010	E6010			
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.200	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.275	.275					
Maximum Load:	19500	19000					
Tensile S/in. Plate Area:	65000	76000					
Fracture Location:	BM	BM					

X Procedure Welder		X Qualifying Test 0 Line Test		X Qualified 0 Disqualified	
Max. Tensile: 76000		Min. Tensile: 65000		Avg. Tensile 70500	
Remarks on Tensile		Remarks on Bend Tests		Remarks on Nick Tests	
1. SATISFACTORY, FRACTURE BASE METAL		1. Root SATISFACTORY		1. SATISFACTORY	
2. SATISFACTORY, FRACTURE BASE METAL		2. Root SATISFACTORY		2. SATISFACTORY	
		1. FACE SATISFACTORY			
		2. FACE SATISFACTORY			

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch	Run:	Position: Bottom	Side
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Test Made At: 670 W NORTH BEND	Date 2/8/07
Tested By: Duke-Energy	Supervised By: Ronald Warren
Certified By: Ron Warren	 2/8/07
Certified under API 1104 Section 6.3 19 TH Edition	
Title: WELDING SUPERVISOR	
Date: 2/8/07	

**DUKE-ENERGY
COUPON TEST REPORT**

SS# 31 110 J
Test No.: 6-21

Location: 670 W NORTH BEND RD

Date: 2/9/07

Contractor: Duke-Energy

Sub-contractor

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 2/9/07

Location- OHIO

Roll Weld: N/A

Fixed Position Weld:

Welder Charles Addison

MARK CEA

Welding Time:

Time of Day:

M. Temperature

F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage:

Amperage:

Make of Welding Machine:

Size:

Brand of Electrode:

Size of Reinforcement

Pipe Mfr:

Kind:

Wall Thickness:

Dia. O.D.

Wt./Ft.

Joint Length:

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8					
No. of Electrode:	E6010	E6010					
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.115	11.20					
Dimension of Plate:	2.19	.219					
Orig. Area of Plate in 2:	.246	0.245					
Maximum Load:	20,000	21,000					
Tensile S/in. Plate Area:	81,967	85,714					
Fracture Location:							

X Procedure
Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile:	Min. Tensile:	Avg. Tensile
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch

Run:

Position: Bottom

Side

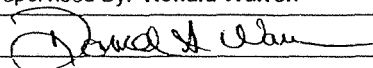
Test Made At: 670 W NORTH BEND

Date

Performed By: Duke-Energy

Supervised By: Ronald Warren

Certified By: Ron Warren



Certified under API 1104 Section 6.3 19TH Edition

Title: WELDING SUPERVISOR

Date: ~~2/9/07~~

2/9/07

**DUKE-ENERGY
COUPON TEST REPORT**

SS# 300-0-00000
Test No.: 6-21

Location: 670 W NORTH BEND RD

Date: 3/12/07

Contractor: Duke-Energy

Sub-contractor Infrasource

Schedule: N/A

Gang: N/A

Inspector: N/A

Date: 3/12/07

Location- OHIO

Roll Weld: N/A

Fixed Position Weld: 5G

Welder Patrick Donald Duffy

MARK B14

Welding Time: 2 1/2 HRS.

Time of Day: AM

M. Temperature 31 DEGREES F.

Weather Condition: Inside Building

Wind Break Used: N/A

Voltage: 21

Amperage: 120/190

Make of Welding Machine LINCOLN

Size

Brand of Electrode: LINCOLN

Size of Reinforcement 1/8; 5/32

Pipe Mfr: LTV

Kind: X-52

Wall Thickness: 250

Dia. O.D. 12 3/4

Wt./Ft. 29.31

Joint Length: 30"

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	5/32					
No. of Electrode:	E6010	E6010					
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.275	0.275					
Maximum Load:	19,500	19,500					
Tensile S/in. Plate Area:	70,909	70,909					
Fracture Location:	BM	BM					

X Procedure
Welder

X Qualifying Test
0 Line Test

X Qualified
0 Disqualified

Max. Tensile: 91,208

Min. Tensile: 82,352

Avg. Tensile 86,780

Remarks on Tensile

Remarks on Bend Tests

Remarks on Nick Tests

1. SATISFACTORY, FRACTURE BASE METAL

1. Root SATISFACTORY

1. SATISFACTORY

2. SATISFACTORY, FRACTURE BASE METAL

2. Root SATISFACTORY

2. SATISFACTORY

1. FACE SATISFACTORY

2. FACE SATISFACTORY

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch

Run:

Position: Bottom

Side

Test Made At: 670 W NORTH BEND

Date

Tested By: Duke-Energy

Supervised By: Ronald Warren

Certified By: Ron Warren

Certified under API 1104 Section 6.3 19TH Edition

Title: WELDING SUPERVISOR

Ronald Warren
312107

Date: 3/12/07

**DUKE-ENERGY
COUPON TEST REPORT**
SS# 47, 10, 1920
Test No.: 6-20

Location: **670 W NORTH BEND RD** Date: **2/16/07**
 Contractor: **Duke-Energy** Sub-contractor: **RLA**
 Schedule: **N/A** Gang: **N/A** Inspector: **N/A**

Date: **2/16/07** Location- **OHIO** Roll Weld: **N/A** Fixed Position Weld: **5G**
 Welder: **Randy Wyatt** Mark: **WR**
 Welding Time: **1 1/2 HRS.** Time of Day: **8:00 AM** M. Temperature **5 DEGREES** F.
 Weather Condition: **Inside Building**
 Wind Break Used: **N/A** Voltage: **21** Amperage: **120/190**
 Make of Welding Machine **LINCOLN** Size: **200**
 Brand of Electrode: **LINCOLN**
 Size of Reinforcement: **1/8 5/32 5 PT**
 Pipe Mfr: **LTV** Kind: **Steel**
 Wall Thickness: **.219** Dia. O.D. **12 3/4** Wt./Ft. **30"** Joint Length: **Nipple**

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	1/8					
No. of Electrode:	E6010	E6010					
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.300	1.100					
Dimension of Plate:	.219	.219					
Orig. Area of Plate in 2:	.284	.284					
Maximum Load:	17000	16000					
Tensile S/in. Plate Area:	59859	66666					
Fracture Location:	BM	BM					

X Procedure Welder	X Qualifying Test 0 Line Test	X Qualified 0 Disqualified
Max. Tensile: 66666	Min. Tensile: 59859	Avg. Tensile 63262
Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1. SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch **12"** Run: **12"** Position: Bottom **X** Side

Test Made At: **670 W NORTH BEND** Date **2/16/07**

Tested By: **Duke-Energy** Supervised By: **Ronald Warren**

Certified By: **Ron Warren** Certified under API 1104 Section 6.3 19TH Edition

Title: **WELDING SUPERVISOR** *[Signature]* **2/16/07**

Date: **2/16/07**

COUPON TEST REPORT

SS# *70909*

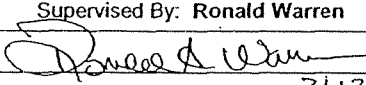
Test No.: 6-21

Location: 670 W NORTH BEND RD		Date: 3/13/07	
Contractor: Duke-Energy		Sub-contractor	
Schedule: N/A		Gang: N/A	Inspector: N/A
Date: 3/13/07	Location: OHIO	Roll Weld: N/A	Fixed Position Weld: 5G
Welder: Brad Jenkins		Mark: BJ	
Welding Time: 2 HRS.		Time of Day: 9:40 AM	M. Temperature 70 DEGREES F.
Weather Condition: Inside Building			
Wind Break Used: N/A	Voltage: 21	Amperage: 190	
Make of Welding Machine LINCOLN CLASSIC		Size: 220 A	
Brand of Electrode: LINCOLN			
Size of Reinforcement 5/32			
Pipe Mfr: LTV		Kind: Steel	
Wall Thickness: .250	Dia. O.D. 12 3/4	Wt./Ft. 30	Joint Length: Nipple

Bead No.	1	2	3	4	5	6	7
Size of Electrode:	1/8	5/32					
No. of Electrode:	E6010	E6010					
Coupon Stenciled:	1	2	3	4	5	6	7
Original:	1.100	1.100					
Dimension of Plate:	.250	.250					
Orig. Area of Plate in 2:	.275	.275					
Maximum Load:	19500	19500					
Tensile S/in. Plate Area:	70909	70909					
Fracture Location:	BM	BM					

X Procedure Welder		X Qualifying Test 0 Line Test		X Qualified 0 Disqualified	
Max. Tensile: 70909		Min. Tensile: 70909		Avg. Tensile 70909	
Remarks on Tensile		Remarks on Bend Tests		Remarks on Nick Tests	
1. SATISFACTORY, FRACTURE BASE METAL		1. Root SATISFACTORY		1. SATISFACTORY	
2. SATISFACTORY, FRACTURE BASE METAL		2. Root SATISFACTORY		2. SATISFACTORY	
		1. FACE SATISFACTORY			
		2. FACE SATISFACTORY			

Tee Test			
Coupon	Acceptable		Remarks
	Yes	No	
Crotch	X		
Crotch	X		
Side	X		
Side	X		

Pipe Diameters Branch	Run:	Position: Bottom	Side
Test Made At: 670 W NORTH BEND		Date 3/13/07	
Tested By: Duke-Energy		Supervised By: Ronald Warren	
Certified By: Ron Warren		 Certified under API 1104 Section 6.3 19 TH Edition	
Title: WELDING SUPERVISOR		3/13/07	
Date: 3/13/07			

**DUKE-ENERGY
WELD COUPON TEST REPORT**

SS# _____

Test Number: _____

Date: 4/5/2007
Location: 670 W North Bend Rd

Contractor: Northern Pipeline Sub-Contractor: _____
Schedule: N/A Gang: N/A Inspector: N/A
Location: Ohio Roll Weld: N/A Fixed Position Weld: 5G
Welder's Name: Andrew S. Green Welder's Mark: AG

Time of Day: 12:30 p.m. Length of Weld Time: 1 Hr. Temperature: 58 degrees

Weather Condition: Inside Building Wind Break Used: N/A
Make of Welding Machine: Lincoln SA-200 Size of Machine: 200 Voltage: 21 Amperage: 120/190

Brand Of Electrode: Lincoln Size of Reinforcement: 1/8" - 5/32"

Pipe Manufacturer: LTV Kind: API Gr. B 5L

Wall Thickness: 0.250 Outside Diameter: 12-3/4" Wt./Ft. 29.31 # Joint Length: Nipple

Bead No	1	2	3	4	5
Size of Electrode:	1/8	1/8	5/32	5/32	
Type of Electrode:	E6010	E6010	E6010	E6010	
Coupon Stenciled:	1	2	3	4	5
Width of Coupon (inches):	0.920	0.826			
Thickness of Coupon (inches):	0.224	0.223			
Area of Coupon (inches ²):	0.206	0.184			
Maximum Tensile #:	15000	14900			
Tensile Strength of Coupon (psi):	72787	80891			
Fracture Location (BM or Weld):	BM	BM			

*****Area of coupon = width of coupon x the thickness of coupon

*****Tensile Strength =Tensile Load /(width of coupon (inches) x thickness of coupon (inches))*****

X Procedure X Qualifying Test X Qualified
Welder 0 Line Test 0 Disqualified

Maximum Tensile: 80891 Minimum Tensile: 72787 Avg. Tensile: 76839

Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2. SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1 FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch			no silver solder test - fitting unavailable
Crotch			went over procedure w/ welder
Side			
Side			

12" Pipe Diameters Branch 12" Run: Position: Bottom Side

Test Made At: 670 W. North Bend Date: 4/5/2007

Tested By: Duke-Energy Supervised By: _____

Certified By: Ralph Pfister
Sr. Eng.

Certified under API 1104 Section 6.3 19th Edition

**DUKE-ENERGY
WELD COUPON TEST REPORT**

SS# _____
Test Number: _____

Date: 4/5/2007
 Location: 670 W North Bend Rd
 Contractor: Infrasource Sub-Contractor: _____
 Schedule: N/A Gang: N/A Inspector: N/A
 Location: Ohio Roll Weld: N/A Fixed Position Weld: 5G
 Welder's Name: Dennis Thomas Zielinski Welder's Mark: DZ
 Time of Day: 9:10 a.m. Length of Weld Time: 35 min. Temperature: 60 degrees
 Weather Condition: Inside Building Wind Break Used: N/A
 Make of Welding Machine: Lincoln SA-200 Size of Machine: 200 Voltage: 21 Amperage: 120/190
 Brand Of Electrode: Lincoln Size of Reinforcement: 1/8" - 5/32"
 Pipe Manufacturer: Unk. Kind: Unk. (rusty)
 Wall Thickness: 0.25 Outside Diameter: 12-3/4" Wt./Ft. 29.31# Joint Length: _____ Nipple _____

Bead No	1	2	3	4	5
Size of Electrode:	1/8	1/8	5/32	5/32	
Type of Electrode:	E6010	E6010	E6010	E6010	
Coupon Stenciled:	1	2	3	4	5
Width of Coupon (inches):	0.883	0.791			
Thickness of Coupon (inches):	0.253	0.252			
Area of Coupon (inches ²):	0.223	0.199			
Maximum Tensile #:	11000	9000			
Tensile Strength of Coupon (psi):	49239	45151			
Fracture Location (BM or Weld):	BM	BM			

*****Area of coupon = width of coupon x the thickness of coupon

*****Tensile Strength =Tensile Load /(width of coupon (inches) x thickness of coupon (inches))*****

X Procedure X Qualifying Test X Qualified
Welder 0 Line Test 0 Disqualified

Maximum Tensile: **49239** Minimum Tensile: **45151** Avg. Tensile: **47195**

Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1. SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2. SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch			Silver Solder Test not done - fitting unavailable
Crotch			explained procedure to welder
Side			
Side			

12" Pipe Diameters Branch 12" Run: Position: Bottom Side

Test Made At: 670 W. North Bend Date: 4/5/2007

Tested By: Duke-Energy Supervised By: _____

Certified By: Ralph Pfister
Sr. Eng. _____

Certified under API 1104 Section 6.3 19th Edition

**DUKE-ENERGY
WELD COUPON TEST REPORT**

SS#

Test Number: 23-Jun

Date: 6/19/2007
Location: 670 W North Bend Rd

Contractor: Miller Pipeline Sub-Contractor: Miller Pipeline
Schedule: N/A Gang: N/A Inspector: N/A
Location: Ohio Roll Weld: N/A Fixed Position Weld: 5G
Welder's Name: Scott A. Harbaugh Welder's Mark: SH

Time of Day: 7:00a.m. Length of Weld Time: 5 hours Temperature: 78 c

Weather Condition: Inside Building Wind Break Used: N/A
Make of Welding Machine: Lincoln Size of Machine: 200 Voltage: 21 Amperage: 120/190
Brand Of Electrode: Lincoln Size of Reinforcement: 1/8" - 5/32"
Pipe Manufacturer: LTV Kind: API Gr. B 5L
Wall Thickness: 0.250 Outside Diameter: 12-3/4" Wt./Ft. 29.31 # Joint Length: Nipple

Bead No	1	2	3	4	5
Size of Electrode:	1/8	1/8	5/32	5/32	
Type of Electrode:	E6010	E6010	E6010	E6010	
Coupon Stenciled:	1	2	3	4	5
Width of Coupon (inches):	1.120	1.180			
Thickness of Coupon (inches):	0.250	0.250			
Area of Coupon (inches ²):	0.280	0.295			
Maximum Tensile (#):	18500	19000			
Tensile Strength of Coupon (psi):	66071	64407			
Fracture Location (BM or Weld):	BM	BM			

***** Area of coupon = width of coupon x the thickness of coupon

***** Tensile Strength = Tensile Load / (width of coupon (inches) x thickness of coupon (inches)) *****

X Procedure X Qualifying Test X Qualified
Welder 0 Line Test 0 Disqualified

Maximum Tensile: **66071** Minimum Tensile: **64407** Avg. Tensile: **65239**

Remarks on Tensile	Remarks on Bend Tests	Remarks on Nick Tests
1 SATISFACTORY, FRACTURE BASE METAL	1. Root SATISFACTORY	1 SATISFACTORY
2 SATISFACTORY, FRACTURE BASE METAL	2. Root SATISFACTORY	2 SATISFACTORY
	1. FACE SATISFACTORY	
	2. FACE SATISFACTORY	

Tee Test

Coupon	Acceptable		Remarks
	Yes	No	
Crotch	x		This is a second test for this welder, he passed this time.
Crotch	x		6 months previously he had external undercut on the bottom of the coupon
Side	x		
Side	x		

Pipe Diameters Branch

Run: Position: Bottom Side

Test Made At: 670 W. North Bend

Date: 6/19/2007

Tested By: Duke-Energy

Supervised By: Ronald A. Warren

Certified By: Ronald A. Warren
Welding Supervisor

Certified under API 1104 Section 6.3 19th Edition