

Product Data

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Date        10-28-77

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SUBJECT: CUSTOMER LIST 5-15 KV METAL-CLAD SWITCHGEAR

The following pages are a partial listing of customers who have purchased SOLENARC 5-15 KV Metal-Clad Switchgear. This information should assist you in your promotional efforts.

5-15 KV METAL-CLAD SWITCHGEAR ORDERS

JOB NAME LOCATION & ENGINEER	KV	ENCLOSURE	APPROX. SHIP DATE	GENERAL COMMENTS
U.S. Navy - Electronic Warfare Training Building Pensacola, Florida (Naval Facilities Engineer)	15	Outdoor Walk-in	4/30/75	Batteries For Control Power
Doylestown Hospital Doylestown, Pa. (Synergo Co.)	5	Indoor	1/31/75	Automatic Transfer Equipment Batteries For Control Power Approved By Philadelphia Electric Co.
VA Hospital Fayetteville, N.C.	15	Outdoor Walk-in	A 9/6/74 C 1/28/77	Automatic Transfer Equipment Batteries For Control Power
Academy House High Rise Apartments Philadelphia, Pa. (Bennett Levin Assoc.)	15	Indoor	1/31/75	Automatic Transfer Equipment Ground Test Device Approved By Philadelphia Electric Co.
City of Long Beach Long Beach, California (Johnson, Joeckel & Assoc.)	5	Indoor	3/1/75	California Code Requirements Metering Bay
Scripps Clinic & Research San Diego, California (Hugh Carter Eng. Corp.)	15	Indoor	5/11/75	California Code Requirements Metering Bay
Certainteed Products Wichita Falls, Texas (Daniel Engineering)	15	Indoor	10/22/76	Automatic Transfer Equipment
Northern States Power Co. Wiscott, Minn. (C B & I)	5	Indoor	3/15/75	Incoming Line Circuit Breaker For Class 8198 Motor Starters
VA Hospital Huntington, West Va. (AB Engineering)	5	Outdoor	9/26/75	Batteries For Control Power
Fort Root Veteran Hospital Little Rock, Arkansas	5	Indoor	5/30/75	Incoming Compartment
Detroit Renaissance Center Detroit, Michigan (CB&I Engineers)	15	Indoor	6/18/75	Protective Relays Ground Fault Motor Starters

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Wintergreen Raw Water-Tri-St. Hagerstown	5	Indoor	5/30/75	
Leslie Coal Chicago, Illinois (Roberts & Schafer)	5	Indoor	3/28/75	
Main Water Purification Plt. New Orleans, La. (Summers Elec.)	5	Indoor	7/18/75	Incoming Main & Alt. Metering & Feeders ITE Solid State Relays
Chemical Science Wing Jackson, Miss.	5	Indoor	8/22/75	Includes Reactor Type Reduced Voltage Motor Starter.
Arco Pipeline Galina Park, Texas (Arco)	5	Indoor	9/26/75	Includes Induction Motor Starters
Robert Shaw Watsonville, Calif. (Richard Huyck & Assoc.)	5	Indoor	10/30/75	Main Breaker & Utility Metering Compartment Feeding HVL Lineup
Human Resource Bldg. Frankfort, Ky. (Hugg Carter & Blakeman)	15	Indoor	4/27/76	Relays, Power Co. Metering Standard Lineup Except For HVL Main Switch
Parking Fac. & Cen. Mech. Bldg. Baton Rouge Barbay Engr.	15	Indoor	12/30/75	Complex Instrumentation 2 Mains and Dummy Tie With Automatic Transfer Indoor
Johns Manville World HQ Bldg. Littleton, Colorado (Cosertini Assoc.)	15	Indoor	1/28/76	Incoming Line, 2 Mains And Tie Automatic Transfer
Wintergreen Developers Nelson County, Va.	5	Indoor	6/13/75	Single Bay Feeding 8198 Starters
Arlington Raw Water Pump Station Ft. Worth (Freeze Nichols)	5	Outdoor Non-walkin	2/26/76	2 Mains And Tie Without Automatic Transfer
Defense Const. Supply Center	15	Outdoor Walkin	7/30/76	Uses Batteries, Reclosers Bus Partial Differential Relay
Fairview State Hospital	5	Indoor	5/26/76	South. Cal. Edison & PEUSR Metering Bay Automatic Transfer, Main & Emergency Breakers And Auto Load Shedding Fdrs.
Harrods Creek Water Treatment Plant Louisville, Ky. (Alvord Burdick & Hawson)	5		9/24/76	Special Transition To Back-To-Back HVL And 8198 Starters.
Amway Corp. Ada, Michigan	5	Indoor	11/14/75	Connected To Liquid Transformer
Scotts Branch Mine Park County, Ky. (Roberts & Schaffer)	5	Indoor	12/15/75	Non-Automatic Breaker

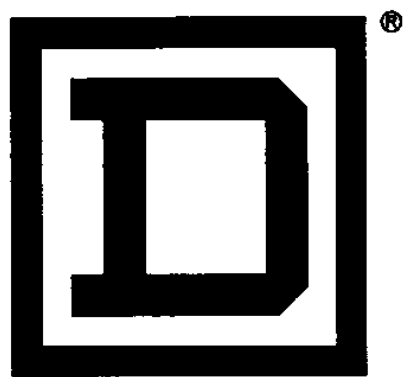
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Humbinger Co. Bldg. 3 Keokuk, Iowa Humbinger Co.	15	Indoor	3/26/76 (a) 3/25/77	Union Electric Power Co. Metering
So. Carolina Elec. & Gas LNG Facility Bushy Park, So. Carolina	5	Indoor	3/22/76	Brushless Synchronous Motor Starter 5500HP
Frankelite Co. Eastern Campus Boiler Plt. (W.B. Ferguson)	5	Outdoor Walk-in	1/26/76 (b) 4/2/76	Incoming Line, Feeder And Space.
N.J. Sports Complex Rutherford Synergo Co.	15	Indoor	1/26/76	2 Mains And Tie With Automatic Transfer Scheme, HVL Feeders.
Draper Labs Cambridge, Mass. IA Namen Assoc.	15	Indoor	9/26/75 12/20/76	Incoming Pothead, Auto Transfer to HV Switch Manual Return W/Lockout Key Interlock. (L-Breaker Element Only)
VA Hospital Jackson, Miss. (Holden O Gwynn)	15	Outdoor Walk-in	3/26/76	2 Mains With Automatic Transfer
VA Hospital Fresno, Calif.	15	Outdoor Walk-in	7/16/76	Auto Transfer With 2 Commercial Sources, PG&E Co. Revenue Meter Bay.
Hewitt Packard Boston (C.A. Crawloy)	15	Outdoor Walk-in	3/30/76	Has Service Area
McNeil Island McNeil Island, Washington (McNeil Island Penitentiary)	15	Indoor	8/25/76	Single Bay To Switch On Customer's Distribution System.
Raw Water Treatment Plant Lawrence, Mass. (Metcalf & Eddy)	5	Indoor	2/25/77	Electrically Operated C.B.s Connected To 8198 Starters.
Fluor Hdqs. Bldg. Irvine, Calif. (Beckett Assoc.)	15	Indoor	2/27/76	2 Mains And Tie Without Automatic Transfer Scheme, HVL Feeders, Southern Cal. Edison Metering.
Hughes Supply Orlando, Fla. (Reynolds Smith & Hills)	5	Indoor	10/22/76	
T/A Minerals Corp. Mulberry, Fla. (Davy Powergas, Inc.)	5	Outdoor Walk-in	4/5/76	
Norman P. Potter Station Unit 2 Braintree, Mass. (R.W. Beck & Assoc.)	5	Indoor	8/25/76	2 Mains And Tie Power Transfer With Possibilities Of Paralleling.
UPT/IFS Facility Phoenix, Arizona (Williams AFB)	15	Outdoor Walk-in	8/27/76	Includes 15KV Transfer Bus With HVL Bypass Switches.
Lake Lanier Water Treatment Plt. Buford, Georgia (Havens & Emerson)	5	Outdoor Walk-in	2/25/77	3 Mains And Tie With Automatic Transfer

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Lake Lanier Raw Water Pump Station Guinett City, Ga. (Havens & Emerson)	5	Indoor	2/24/77	2 Mains And Tie Breaker-Manual Trans. (4) 5KV Busway Feeders. Bus Differ- ential And Partial Differentials Relaying
Lichterman Pumping Station Memphis, Tennessee (Eller, Reeves, Fanning & Oakley)	5	Indoor	11/29/76	Two Indoor MV Pump Motor Starters To Align On Both Ends Of Existing GE Switchgear. Each Starter Has Two Bays.
U.S. Naval Ship Research & Devel. Center Bethesda, Maryland (Dept. of the Navy)	5	Outdoor Walk-In	12/29/76	High Voltage Bus Duct Connection To User Equipment, Custom-Made Construction.
Cook County House of Correction Chicago, Illinois	5	Indoor	5/28/76	3 Mains And Tie W/ Automatic Transfer And CPT Transfer Scheme.
Seaway Pipe Line Inc. Freeport, Texas (Phillips Petroleum Co.)	5	Outdoor Non-Walk-in	8/23/76	Special Paint-White Fluoropolymer Paint
Cargill Salt Co. Hutchinson, Kansas	5	Indoor	4/13/76	Two Bay Line-Up Aligned With Three Bay HVL Line-Up.
Arts & Sciences Bldg. YSU Youngstown, Ohio (R.J. Hepp Assoc.)	5	Outdoor	10/8/76	Substation With 3 Breaker Primary For Loop System.
Johns Manville Products Corp. Manville, New Jersey (Johns Manville)	5	Indoor	7/21/76	Main For Existing Line-Up
Eastern Campus Hospital Sunny Acres Cleveland, Ohio (W.B. Ferguson)	5	Indoor	3/19/76	Breaker Element Only
Atlantic County Reg. Sewage Atlantic City, New Jersey (Edward Moy)	5	Indoor	3/30/77	2 Mains And Tie With Automatic Trans- fer Scheme, DSE Feeders, Part Of Pro- ject In Which We Supplied Substation Oil C/B, Tower And Transformer.
Von's Meat Service Ctr. El Monte, Calif. (D.R. Warren Co.)	5	Indoor	10/29/76	2 Mains and Tie breaker manual transfer.
Airesearch Mfg. Co. Phoenix, Arizona (Baltes Cons. Engr.)	15	Outdoor Non-Walk-in	9/15/76	Main Breaker, CPT And PUESR Incom- ing Line Section Feeds HVL Line-Up.
Water Development Shact-Kona Water Project Kahalulu, North Kona, Hawaii D.V. McMahon	5	Indoor	1/28/77	PUESR Requirements.
Baton Rouge Civic Center Baton Rouge, Louisiana	15	Indoor	10/29/76	2 Bays That Were Additions To F.O. #11321-Bifurcated Feeders.
Goulds Pump Inc. Seneca Falls, New York (Goulds Pump)	15	Indoor	11/24/76	Electric Boiler Application, Single Breaker With Incoming Line Section

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New Jersey Zinc Jefferson City, Tenn.	5	Indoor	10/21/76	Indoor 8 Bay Switchgear Line-Up Having Two Mains With Possibilities Of Paralleling The Mains.
Cleveland Met. Gen. Hospital Cleveland, Ohio (HWH Associates)	5	Indoor	10/29/76	
Men's Dorm - Dept. of Correct. Chicago, Ill. (A. Epstein & Sons)	5	Indoor	5/27/77	2 Mains And 1 Tie Automatic Transfer Chicago Code
Norfolk Naval Shipyard Bldg. 29 Norfolk, Va. (U.S. Navy)	15	Outdoor Walk-in	12/29/76	15KV Switchgear Having CPT Transfer System And Power Transfer System Between Two Mains.
V.A. Hospital Augusta, Ga.	15	Outdoor Walk-in	12/7/76	Includes Auto Transfer With Closed Transition Re-Transfer - 2 Commercial Sources (No Tie Breaker)
V.A. Hospital Fayetteville, Ark.	15	Outdoor Walk-in	4/27/77	Auto Transfer System For 2 Utility Sources. Swepco Utility Metering Bay. Fiberglass Inner Wall Insulation.
Ft. Detrick Bldg. 1425 Frederick, Md.	5	Indoor	12/29/76	5KV Indoor, 2 Breakers And Incoming Line Section.
St. Lukes Hospital Philadelphia, Pa.	15	Outdoor Walk-in	5/17/77	Philadelphia Electric Incoming Line And Metering, 2 Mains And Tie With Automatic Transfer Scheme.
South Tempe Reservoir & Pump Station Phoenix (Carollo & Assoc.)	5	Outdoor Walk-in	4/27/77	Air-Condition PUESR Requirements.
Upper Tusc. Waste Water Treatment Plt. Akron	15	Outdoor		
Square D Co. Lincoln, Nebraska	15	Indoor	12/7/76	15KV Indoor, Breaker Used For Control Of Electric Boiler, Utility Metering Bay.
Bolling AFB Alexandria, Va.	15	Outdoor Non-Walk-in		2 Mains And Tie Breaker Manual Transfer.
Cooling Tower-Gulf Oil Port Arthur, Texas	5	Outdoor	3/4/77	Main C/B And Transition To 8198, Installed In Offshore Building At Dallas "A" Plant
U.S. Steel Corp. Gary, Indiana (J. Ronczka)	15	Indoor	6/27/77	Relaying Includes Pilot Wire System.
Harristown Key Block Twin Towers	15	Indoor	3/14/77	15KV Indoor, 2 Mains And Tie, Auto- matic Trans. With PP&L Metering Bays.
New Museum Bldg. Valley Forge, Pa. (Paul Yeoman)	5	Indoor	4/28/77	Single Bay Connected To HVL Line-Up.
Western Regional Wastewater Treatment Facilities Montgomery Cty. Ohio (Helmig, Lienesch, Doench)	15 5 5	Indoor Indoor Indoor		

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VA Hospital Canandaigua, N.Y.	5	Outdoor Walk-in	10/14/77	Rochester Gas And Electric Metering.
Southerly Wastewater Treatment Plt.	5	Outdoor	6/27/77	2 Bay, 5KV Walk-In With Connection To Niagara Transformer With GE Capacitor Trip.
Hannemann Medical College & Hospital Philadelphia, Pa. (Synergo Co.)	15	Indoor	12/9/77	15KV Switchgear Line-Up With 9 Metal- Clad And 6HVL Byas, Having Auto- matic CP And Power Transfer System Between 2 Mains And Tie.
Two Harbors Dock Two Harbors, Minnesota	5	Indoor	6/24/77	3 Line-Ups All With Line-Up To HVL Switches.
TLT Babcock	5	Outdoor Walk-in	7/10/77	Wiring Done For Automatic Power Transfer And CPT Transfer Scheme For Future Requirement.
USERDA Waste Storage Tanks Oak Ridge, Tennessee	5	Outdoor Non-Walk-in		Substation With Liquid Transformer And LVDO Secondary.
U.S. Bureau of Mines Research Facilities Bruceton, Pa.	5	Outdoor Non-Walk-in		3-C/B's, One Is Main For 7500 KVA Liquid Transformer. With Connection To 8198
	5	Indoor Line-Up		
Williams Pipeline Co. Latimer, Iowa	5	Outdoor Non-Walk-in	7/24/77	Capacitor Motor Starter With 2 Banks, 6.3 MVAR Capacitors.
The Coleman Road Substation Paducah Power Paducah, Kentucky	15	Outdoor		Utility Co. Substation: With Transfer Bus And HVL Bypass Switch For Each Feeder Breaker. Relays Include Bus Differential And Reclosing.
Sundstrand Corp. Arvada, Colorado	15	Indoor	6/29/77	4 Bay Lineup With Possibilities For Future Extension (Indoor).
Central Energy Plant Atlanta, Georgia	5	Indoor		HVL And MVDO Line-Up. 2 Mains And Tie - C/B HVL - Feeders.
Eden Water Improvements Eden, North Carolina	5	Indoor		1 Breaker With Line-Up To 8198 Motor Starters.
Ciba, Giegy St. Gabriel, La. (Catalytic, Inc.)	5	Indoor	10/77	Main Breaker For 8198 MCC. Motor Starter For 3000HP Induction Motor. All Have 5KV Busway Service.
V.A. Hospital Lincoln, Nebraska (Dean Castle)	15	Outdoor Walk-in		Lincoln Electric Meter Bay.
New World Centre Hong Kong (Sycamore, Owens & Merrill)	15	Indoor		7 Bay Indoor Line-Up, English Electric Relay.
Helen Hayes Hospital West Haverstraw, N.Y. (Dubin Mindell Bloome & Assoc.)	15	Outdoor Walk-in		Two 15KV Switchgears,, Each Having 3 Bays And Protective Relaying. 5KV, 17 Bays Switchgear Line-Up With 4 Mains 2 Ties, With Various Protective Relaying For Mains, Ties And Feeders.
	5	Indoor (12338A)		
Townes Hall - Univ. of Texas Austin, Texas (Purdy McGuire Inc.)	15	Indoor		2 Mains And Tie Which Feed (2) - 1500 KVA Sorgel Transformers With DS Main Secondary C/B.
Central Regional Facility Wastewater West Palm Beach, Fla. (Russell & Axon Inc.)	5 5	Outdoor Non-Walk-in Indoor		Substation With HVL Primary Switch And Liquid Transformer. Auto Transfer With Indoor Generator Main Breaker.

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Petroleos Mexicanos Mexico (Black, Sivills & Brayson Inc.)	5	Indoor	8/30/77	Consists Of 6 Switchgear Units Each Consisting Of 5 Bays (Indoor)
Johns Manville Products Corp. Manville, New Jersey (Johns Manville)	5	Indoor	7/27/77	Main Breaker For Emergency Generator Source.
Hill AFB Bldg. 265 (Hill AFB)	15	Indoor	9/16/77	Indoor, Two Bay Line-Up.
North Charleston Sewage Plt. North Charleston, S.C. (Metcalf & Eddy Inc.)	15	Outdoor Non-Walk-in	Under app.	15KV Indoor 6 Bay Switchgear Line-Up With Automatic Power Transfer Between Two Mains.
Melling Forging Co. Lansing, Michigan	15	Indoor		Two Breaker Bays And Board Of Water And Light Metering Bay.
Airesearch Scottsdale (Baltes Consulting Engr.)	15	Indoor		Two Feeder Breakers To Line Up With LA Metal-Clad And PEUSAR Bays.
Camarillo State Hospital Camarillo, California	5	Indoor		Includes 3 Generator Breakers For Automatically Providing Emergency Power To The Switchgear And Hospital.
K-31 Process Services Oak Ridge (Union Carbide)	5	Indoor		Indoor Double-Ended Substation With 2 HVL Bays And 7 Metal-Clad Bays, With Automatic CPT And Power Transfer Between Two Mains.
Horticultural Ctr. University of Florida Gainesville, Florida (Sol Del Gado Spence & Assoc.)	15	Outdoor		Switchgear Is Secondary For A Com- plete 5000 KVA 22.9KV Substation.
Ciba Giegy St. Gabriel, La.	5	Indoor		
Certain-Teed Wichita Falls, Texas (Daniel Engineers)	15	Indoor		Duplex Main C/B's On Substation With Bolt-Loc Secondary.
Leslie Mining Co. Sidney Pike, Kentucky (Roberts & Schaefer)	5	Indoor		Substation With HVL Primary Switch And Dry Transformer. Metal-Clad Is Main For 8198 MCC.
Utah Valley Purification Plant (J.M. Montgomery)	5	Outdoor Non-Walk-in		2 Mains And Tie Breaker Interlocked-Manual Transfer.
Victor Weaver New Holland, Pa. (Victor Weaver)	15	Outdoor Non-Walk-in		3 DSE Bays And 4 HVL Bays. For General Distribution System.
Fairbank Highway Research McLean, Virginia (Daniel Mann Johnson & Mendenhall)	5	Indoor		1 Main And 4 Feeder Bays.
Bergen County Sewage Little Ferry, New Jersey (Clinton Bogart Associates)	5 5 5	Indoor Indoor Indoor		15 Bay Line-Up (Indoor) 12 Bay Line-Up (Indoor) Auto-Transfer Auto. Sequence Closure Of Feeders.
Physical Security Alterations Norfolk, Virginia	5	Outdoor Non-Walk-in		Switchgear Is On Low Voltage Side Of 1500KVA Primary Unit Substation And Is The High Voltage Gear For A 1500 KVA Secondary Unit Substation.
Perth Amboy Hospital Perth Amboy, New Jersey	5	Indoor		Two Feeders And Power Co. Metering Bay.



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