

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY				
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP – 0424 – 10				
OSHPD Special Seismic Certification Preapproval (OSP)					
Type: 🛛 New 🗌 Renewal					
Manufacturer Information					
Manufacturer: PPPI					
Manufacturer's Technical Representative: Kristopfer Weiner					
Mailing Address: _ 448 West Madison Street, Darien, WI 53114					
Telephone: 262-882-9000 Email: kweine	er@professionalpowerproducts.com				
Product Information					
Product Name: Custom Pump Control Panel					
Product Type: Custom Pump Control Panel					
Product Model Number:       16180FP         (List all unique product identification numbers and/or part numbers)         General Description:       Rigid wall mounted custom pump control panel.         Seismic enhancements made to UUT and modifications required to ac shall be incorporated into the production units.         Mounting Description:       The internal components have various mounting					
This OSP applies to rigid mounted units without external vibration isola	ation only.				
Applicant Information					
Applicant Company Name: The VMC Group					
Contact Person: John P. Giuliano, PE					
Mailing Address: 113 Main Street, Bloomingdale, NJ 07403					
Telephone: 973-838-1780 Email: john.g	jiuliano@thevmcgroup.com				
I hereby agree to reimburse the Office of Statewide Health P accordance with the California Administrative Code, 2013.         Signature of Applicant:         Title:       President         Company Name:       The V	Planning and Development review fees in Date: <u>2/18/15</u>				
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	OSHPE				
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 10/21/14)	Page 1 of 3				



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name:The VMC Group
Name:         Kenneth Tarlow         California License Number:         SE2851
Mailing Address: _113 Main Street, Bloomingdale, NJ 07403
Telephone: 973-838-1780 Email: ken.tarlow@thevmcgroup.com
Supports and Attachments Preapproval
Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
Supports and attachments are not preapproved
Certification Method
<ul> <li>Testing in accordance with: ICC-ES AC156</li> <li>Other (Please Specify):</li> </ul>
Testing Laboratory
Company Name:Applied Technical Services, Inc (ATS)
Contact Name: David Common
Mailing Address: _1049 Triad Court, Marietta, GA 30062
Telephone: 770-423-1400 Email: davidc@atslab.com

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# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components $(F_p/W_p) = 0.32$
$S_{DS}$ (Design spectral response acceleration at short period, g) = _0.71
$a_p$ (In-structure equipment or component amplification factor) = _2.5
$R_{P}$ (Equipment or component response modification factor) = <u>6.0</u>
$\Omega_0$ (System overstrength factor) = _2.5
$I_p$ (Importance factor) = 1.5
z/h (Height factor ratio) = _0.0
Equipment or Component Natural Frequencies (Hz) = <u>See Attached</u>
Overall dimensions and weight (or range thereof) = <u>See Attached</u>
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S <sub>DS</sub> (Design spectral response acceleration at short period, g) =
S <sub>D1</sub> (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient ) =
$\Omega_0$ (System overstrength factor) =
C <sub>d</sub> (Deflection amplification factor) =
$I_p$ (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2010: Yes No
List of Attachments Supporting Special Seismic Certification
☑ Test Report(s) ☑ Drawings  ☐ Calculations  ☐ Manufacturer's Catalog ☐ Other(s) (Please Specify):
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2019
Signature: Date: 3/25/2015
Print Name: M. R. Karim Title: SHFR
Special Seismic Certification Valid Up to : $S_{DS}(g) = 0.71$ $z/h = 0.0$
Condition of Approval (if applicable): Approval is limited to units identical to tested unit.
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STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

# Table 1 - Certified Product Table: Pump Controller Matrix

Unit Type	Model No.	Input Voltage	Input Current	Phase	Frequency	Output Output NEMA Current Voltage Rating	Output NEMA	Unit Out	Init Outer Dimensions [ in ]		Unit Weight	Product Manufacturer	Mounting	Tested / Interpolated /	
		Follage	ouncill				rating	Height	Width	Depth	[]	Manalacturer		Extrapolated	
Pump Controller	16180FP	208V	100A	3P4W	60HZ	100A	208V	12	60.0	38.0	12.0	312	PPPI	Rigid Wall	UUT-1

# Table 2 - Cabinet Matrix

Cabinet ID	Max Height [ in ]	Max Width [ in ]	Max Depth [ in ]	Max Cabinet Weight [ lbs ]	Cabinet Material	Material Thickness	Cabinet Manufacturer	Tested / Interpolated / Extrapolated
CDSC603812	60	38	12.8	165	Painted Carbon Steel	14 Gauge	Hoffman	UUT-1
CP6036 (Sub Panel)	58.2	34.2	1.1	66	Painted Carbon Steel	12 Gauge	Hoffman	UUT-1

# Table 3 - PLC Components

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
1769-L30ER	NA	1.0	ALLEN BRADLEY	UUT1
1769-IQ16	NA	0.5	ALLEN BRADLEY	UUT1
1769-OB16	NA	0.5	ALLEN BRADLEY	UUT1
1769-PA4	NA	1.5	ALLEN BRADLEY	UUT1
PS5R-SF24	NA	1.5	IDEC	UUT1

## Table 4 - AC Breakers

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
HDL36100	100A 18 KAIC	10.0	SQUARE D	UUT1
S202U-K15	15A 10 KAIC UL489	0.3	ABB	UUT1
S201U-K15	15A 10 KAIC UL489	0.3	ABB	UUT1
S201U-K5	5A 10 KAIC UL489	0.3	ABB	UUT1
S201U-K3	3A 10 KAIC UL489	0.3	ABB	UUT1

# Table 5 - DC Breakers

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
S201DC-K10	10A 14 KAIC UL489	0.3	ABB	UUT1

#### Table 6 - Ethernet Switch

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
ESW-105	NA	1.0	B&B ELECTRONICS	UUT1

#### Table 7 - DC Power Supply

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
PS5R-SF24	NA	1.5	IDEC	UUT1

#### Table 8 - Displays (HMI)

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
2711P-T10C4D8	NA	8.0	ALLEN BRADLEY	UUT1

#### Table 9 - Contactors/Motor Starters/Overload Relays

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
AL16-40-10-81	16 AMPS	1.5	ABB	UUT1
AL16-30-10-81	16AMPS	1.0	ABB	UUT1
TA25DU11 (Overload Relay for above)	7.5-11 Amps	0.2	ABB	UUT1

## Table 10 - Control Relays/Bases/Retaining Clips

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
RU4S-D-24 (RELAY)	3 AMPS @120VAC	0.1	IDEC	UUT1
PYF-14S (Relay Base)	NA	0.1	OMRON	UUT1
PYF-14S (Relay Retaing Clip))	NA	0.1	OMRON	UUT1

#### Table 11 - Terminal Blocks

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
3031364	25 AMP @ 600VAC	0.1	PHOENIX CONTACT	UUT1
3031380 (Grounding Type)	25 AMP @ 600VAC	0.1	PHOENIX CONTACT	UUT1

# Table 12 - Distribution Blocks

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
1323570 CH (3 Pole)	600 VAC	3.0	Marathon Electric	UUT1
1321570 CH (1 Pole)	600 VAC	1.0	Marathon Electric	UUT1

# Table 13 - Switches

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
194E-E25-1753-6N	25 AMP	1.0	ALLEN BRADLEY	UUT1
MP1-10B	NA	0.2	ABB	UUT1

#### Table 14 - Alarms

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
KB1-4010	24VAC/VDC	0.2	ABB	UUT1

#### Table 15 - Annunciators

Customer Part Number	Rating	Weight (Lbs)	Manufacturer	Tested / Interpolated / Extrapolated
HW1P-1FQD-G-120	120VAC	0.2	IDEC	UUT1

