



NO MORE CONCRETE

By utilizing locally sourced quarry rock, simply drop the weight in and you're done. No more waiting on concrete trucks, renting concrete pumps, or washing out trucks onsite. No more labor hours for setting up temporary concrete molds. No more waiting 24 hours for concrete to cure. The flow and speed of your job is 100% in your control.

RAPID SETUP

The galvanized steel wire box is delivered to the site over 70% pre-assembled. Simply unfold the box, install the spiral wires and connect the anchor tubes. The Geoballast foundation is then fully assembled and can be moved to the proper position in the row and filled with quarry rock. It's easy to assemble, stage, and stringline.

GEOBALLAST FOUNDATION

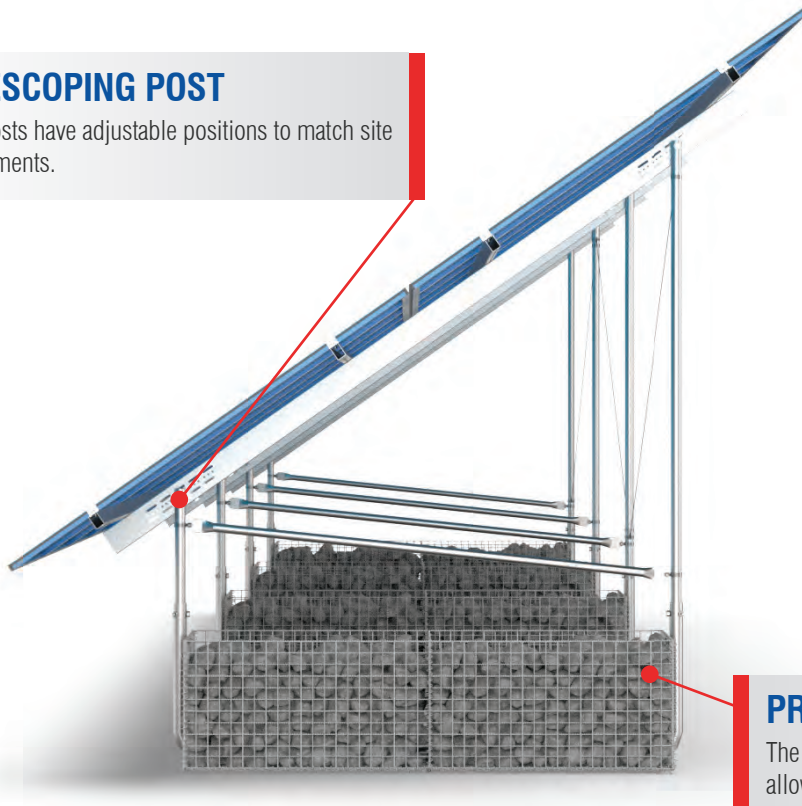
The **Geoballast Foundation** was developed after years of installing ballasted solar projects. Concrete, whether pre-cast or pour in place, proved to be an expensive and time-consuming method. Our innovative engineering and R&D teams developed a revolutionary process for ballasted projects. The goal was to remove all concrete and take the idea of a standard gabion basket and engineer it to excel as a ballast solution. Our highly engineered Geoballast box has the fastest installation time available, and is one of the most cost effective products on the market.

In business since 2008, APA offers a versatile line of racking and foundation solutions for projects in even the most challenging environments. With projects nationwide, APA is a trusted racking partner.

WHY USE A GEOBALLAST FOUNDATION?

TELESCOPING POST

Both posts have adjustable positions to match site requirements.



STANDARD SPECIFICATIONS

Engineering: APA Drawings can be PE stamped for all 50 States and territories

Tilt Angles: 5°-35° Tilt Options

Wind Loading: Up to 130mph

Snow Loading: Up to 100psf

Mounting Orientation: 2-High in Portrait

Weight Requirement: 2,250 lbs per basket

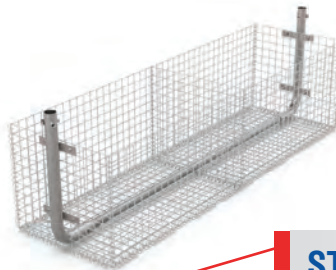
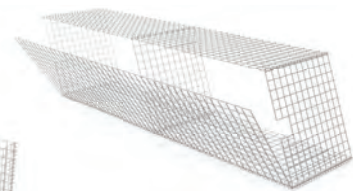
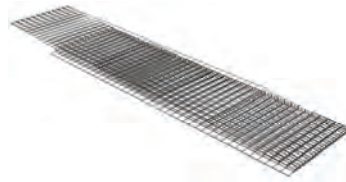
Foundation Coating: Galvanized with PVC coating for added protection

PRE-ASSEMBLED BASKET

The ballast is shipped 70% assembled, which allows for lower labor cost and quick deployment.

SIMPLE SETUP PROCESS

- Place folded ballast basket on the ground
- Unfold basket and insert lower tube
- Install spiral retainers and u-bolt connections
- Place in desired location and fill with quarry rock



STANDARD QUARRY ROCK

Rock can be sourced from local quarries to reduce shipping costs.

1500VDC Disconnect Combiners



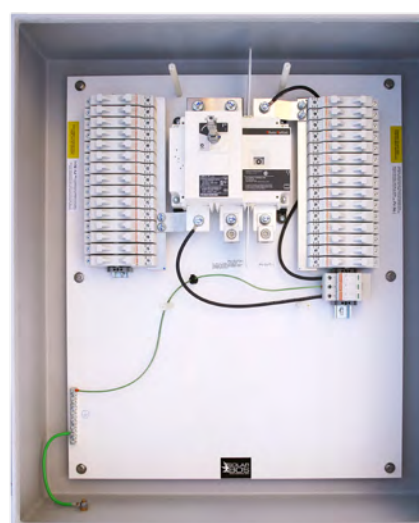
SolarBOS Disconnect Combiners for 1500 VDC photovoltaic systems are ETL listed to UL-1741. They provide direct cost savings by increasing the number of modules per source circuit(s), resulting in fewer circuits and fewer BOS components. The combiners feature load break disconnect switches up to 400A and can be customized to fit the solar integrators' specific needs.

Product features

- ETL listed to UL-1741
- 10k SCCR
- Up to 36 input circuits
- 90C terminals
- NEMA-3R, 4 & 4X enclosures

Available options

- Transient surge suppression
- Provisions for compression lugs
- Dual output lugs
- Floating / Bi-polar configurations
- Pre-terminated input conductors
- Touch safe cover over live parts
- Breather and drain vents
- Padlockable enclosures



Floating Disconnect Combiner, 1500VDC, 275A disconnect, 15 input circuits, transient surge protection, NEMA-4X fiberglass enclosure

Specifications

Disconnect Ampacity	275 A / 320 A / 400 A		
Maximum Number of Input Circuits	18	28	36
Input Conductor Size (AWG)	#14 - 8	#14 - 8	#14 - 8
Max Fuse Size (Amps)	32	32	32
Max Rated Current (ADC Continuous)	275 / 320 / 400		
Number of Output Conductors (Per Polarity)	1 or 2	1 or 2	1 or 2
Output Conductor Size Range (AWG) *	#6 to 350	#2 to 600	#2 to 600
Steel Enclosure Internal Dimensions (Inches) *	24x24x8	30x24x8	30x30x8
Appox. Weight - Powder Coated or Stainless Steel (Pounds) *	55	65	95
Fiberglass Enclosure Internal Dimensions (Inches) *	24x24x8	30x24x8	30x30x8
Appox. Weight - Fiberglass (Pounds) *	50	60	90
Enclosure NEMA Ratings	3R / 4 / 4X	3R / 4 / 4X	3R / 4 / 4X

* Other options available upon request. Please note dimensions and weight may vary for any custom solutions. Contact us for details.



Q.PEAK DUO XL-G11S SERIES



590 - 605 Wp | 156 Cells
21.7 % Maximum Module Efficiency

MODEL Q.PEAK DUO XL-G11S.3/BFG



Bifacial energy yield gain of up to 21%

Bifacial Q.ANTUM solar cells make efficient use of light shining on the module rear-side for radically improved LCOE.



Low electricity generation costs

Q.ANTUM DUO technology with optimized module layout to boost module power and improve LCOE.



A reliable investment

Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty¹.



Enduring high performance

Long-term yield security with Anti LID and Anti PID Technology², Hot-Spot Protect.



Frame for versatile mounting options

High-tech aluminum alloy frame protects from damage, enables use of a wide range of mounting structures and is certified regarding IEC for high snow (5400 Pa) and wind loads (2400 Pa).



Innovative all-weather technology

Optimal yields, whatever the weather with excellent low-light and temperature behavior.

¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015 method B (-1500 V, 168 h) including post treatment according to IEC 61215-1-1 Ed. 2.0 (CD)

The ideal solution for:



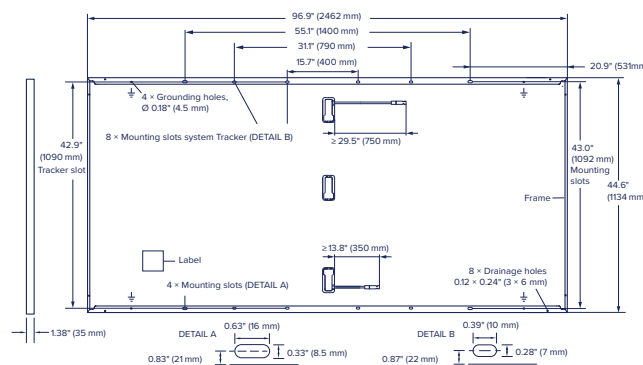
Ground-mounted
solar power plants



Q.PEAK DUO XL-G11S SERIES

Mechanical Specification

Format	96.9 in × 44.6 in × 1.38 in (including frame) (2462 mm × 1134 mm × 35 mm)
Weight	76.9 lbs (34.9 kg)
Front Cover	0.08 in (2.0 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	0.08 in (2.0 mm) semi-tempered glass
Frame	Anodised aluminium
Cell	6 × 26 monocrystalline Q.ANTUM solar half cells
Junction box	2.09-3.98 × 1.26-2.36 × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥ 29.5 in (750 mm), (-) ≥ 13.8 in (350 mm)
Connector	Stäubli MC4; Stäubli MC4-Evo2; - IP68



Electrical Characteristics

POWER CLASS	590	595	600	605
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MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W/-0 W)

Minimum				BSTC*		BSTC*		BSTC*		BSTC*	
	Power at MPP ¹	P _{MPP}	[W]	590	645.4	595	650.8	600	656.3	605	661.8
	Short Circuit Current ¹	I _{SC}	[A]	13.74	15.04	13.77	15.07	13.80	15.10	13.82	15.13
	Open Circuit Voltage ¹	V _{OC}	[V]	53.60	53.79	53.63	53.82	53.66	53.85	53.68	53.87
	Current at MPP	I _{MPP}	[A]	13.12	14.36	13.17	14.41	13.22	14.46	13.27	14.52
	Voltage at MPP	V _{MPP}	[V]	44.96	44.95	45.18	45.17	45.39	45.38	45.60	45.59
	Efficiency ¹	η	[%]	≥21.1		≥21.3		≥21.5		≥21.7	

Bifaciality of P_{MPP} and I_{SC} 70% ± 5% • Bifaciality given for rear side irradiation on top of STC (front side) • According to IEC 60904-1-2

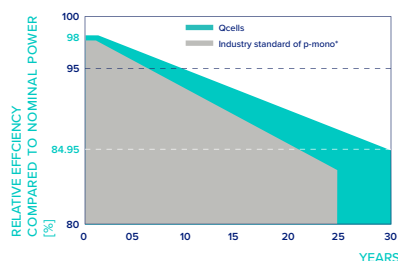
¹Measurement tolerances P_{MPP} ± 3%; I_{SC}, V_{OC} ± 5% at STC: 1000 W/m²; *at BSTC: 1000 W/m² + φ × 135 W/m², φ = 70%, 25 ± 2 °C, AM 1.5 according to IEC 60904-3

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT²w

Minimum	Power at MPP	P _{MPP} [W]	444.2	448.0	451.8	455.5
	Short Circuit Current	I _{SC} [A]	11.07	11.09	11.11	11.13
	Open Circuit Voltage	V _{OC} [V]	50.69	50.72	50.75	50.77
	Current at MPP	I _{MPP} [A]	10.34	10.38	10.42	10.47
	Voltage at MPP	V _{MPP} [V]	42.97	43.15	43.34	43.52

¹Measurement tolerances P_{MPP} ± 3%; I_{SC}, V_{OC} ± 5% at STC: 1000 W/m², 25 ± 2 °C, AM 1.5 according to IEC 60904-3 • ²800 W/m², NMOT, spectrum AM 1.5

Qcells PERFORMANCE WARRANTY

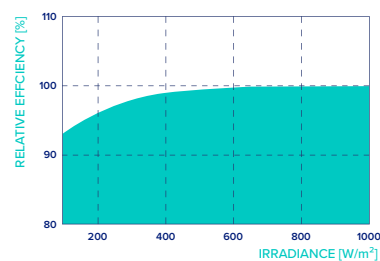


At least 98% of nominal power during first year. Thereafter max. 0.45% degradation per year. At least 93.95% of nominal power up to 10 years. At least 84.95% of nominal power up to 30 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Qcells sales organisation of your respective country.

*Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (February 2021)

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I _{SC}	α	[%/K]	+0.04	Temperature Coefficient of V _{OC}	β	[%/K]	-0.27
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.34	Nominal Module Operating Temperature	NMOT	[°F]	108 ± 5.4 (42 ± 3 °C)

Properties for System Design

Maximum System Voltage	V _{sys}	[V]	1500	PV module classification	Class II
Maximum Series Fuse Rating		[A DC]	30	Fire Rating based on ANSI/UL 61730	TYPE 29 ⁴
Max. Push Load, Design ³ /Test ³		[lbs./ft ²]	75 (3600 Pa)/113 (5400 Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +185°F (-40°C up to +85°C)
Max. Pull Load, Design ³ /Test ³		[lbs./ft ²]	52 (2500 Pa)/78 (3750 Pa)		

³ See Installation Manual

⁴ New Type is similar to Type 3 but with metallic frame

Qualifications and Certificates

UL61730-1 & UL61730-2, CE-compliant,
IEC 61215:2016,
IEC 61730:2016,
U.S. Patent No. 9,893,215
(solar cells)



* Contact your Qcells Sales Representative for details regarding the module's eligibility to be Buy American Act (BAA) compliant.

Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

Hanwha Q CELLS America Inc. 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL hqc-inquiry@qcells.com | WEB www.qcells.com

qcells



Find product recycling details at QR code above



/ SHP 125-US-21 / SHP 150-US-21 / SHP 165-US-21 / SHP 172-US-21

Sunny Highpower PEAK3-US

125 / 150 / 165 / 172

A superior distributed generation
solution for large-scale power plants

25 YEAR
DESIGN LIFE



SMA
Smart Connected



Cost effective

- Modular architecture reduces BOS and maximizes system uptime
- Compact design and high power density maximize transportation and logistical efficiency

Maximum flexibility

- Scalable 1,500 VDC building block with best-in-class performance
- Flexible architecture creates scalability while maximizing land usage

Simple install, commissioning

- Ergonomic handling and simple connections enable quick installation
- Centralized commissioning and control with SMA Data Manager

Highly innovative

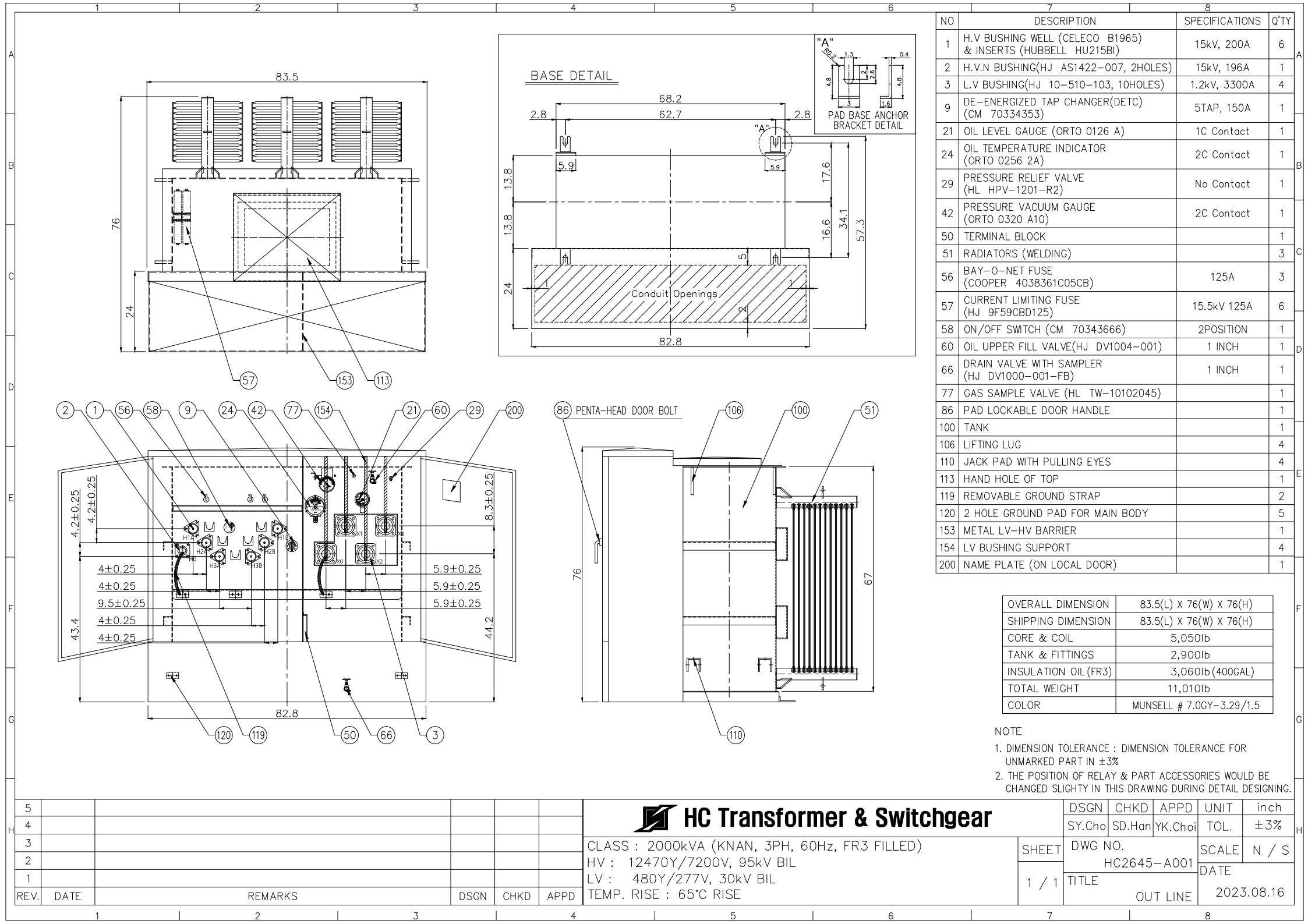
- SMA Smart Connected reduces O&M costs and simplifies field-service
- Powered by award winning ennexOS cross sector energy management platform

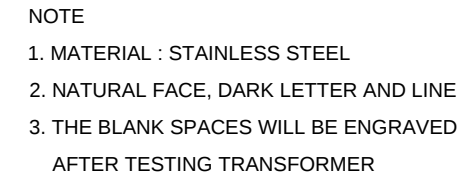
The Sunny Highpower PEAK3 1,500 VDC inverter offers high power density in a modular architecture that achieves a cost-optimized solution for large-scale PV integrators.

With fast, simple installation and commissioning, the PEAK3 is accelerating the path to energization. SMA has also brought its field-proven Smart Connected technology to the PEAK3, which simplifies O&M and contributes to lower lifetime service costs. The PEAK3 power plant solution is powered by the ennexOS cross sector energy management platform, 2018 winner of the Intersolar smarter E AWARD.



SHP-US\$-en-23 Changes to products and services, including those resulting from country-specific requirements, as well as deviations from technical data are subject to change at any time without notice. SMA assumes no liability for typographical or other errors. Please visit www.SMA-Solar.com for the latest information.

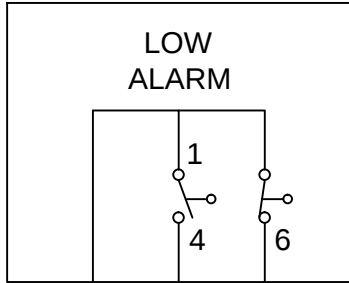




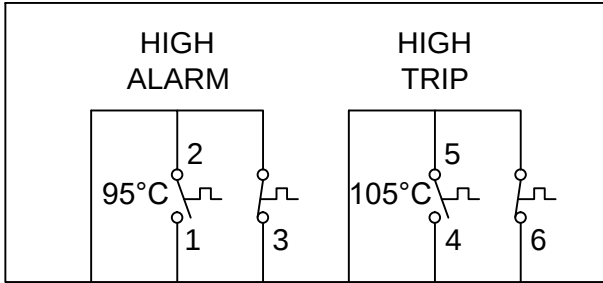
5						 HC Transformer & Switchgear	DSGN	CHKD	APPD	UNIT	inch
4							WC.Kang	SH.Kim	YK.Choi	TOL.	±0.25inch
3							CLASS : 2000kVA (KNAN, 3PH, 60Hz, FR3 FILLED) HV : 12470Y/7200 V , 95kV BIL LV : 480Y/277V, 30kV BIL TEMP. RISE : 65°C RISE	SHEET	DWG NO. HC2645 -A10	SCALE	N / S
2										DATE	
1									1 / 1	TITLE	NAMEPLATE
REV.	DATE	REMARKS			DSGN	CHKD	APPD				
12345678											

ON TRANSFORMER

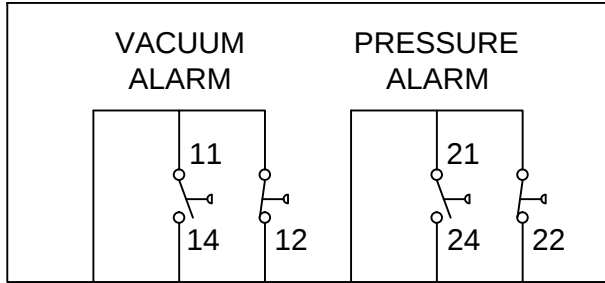
71Q
OIL LEVEL
INDICATOR



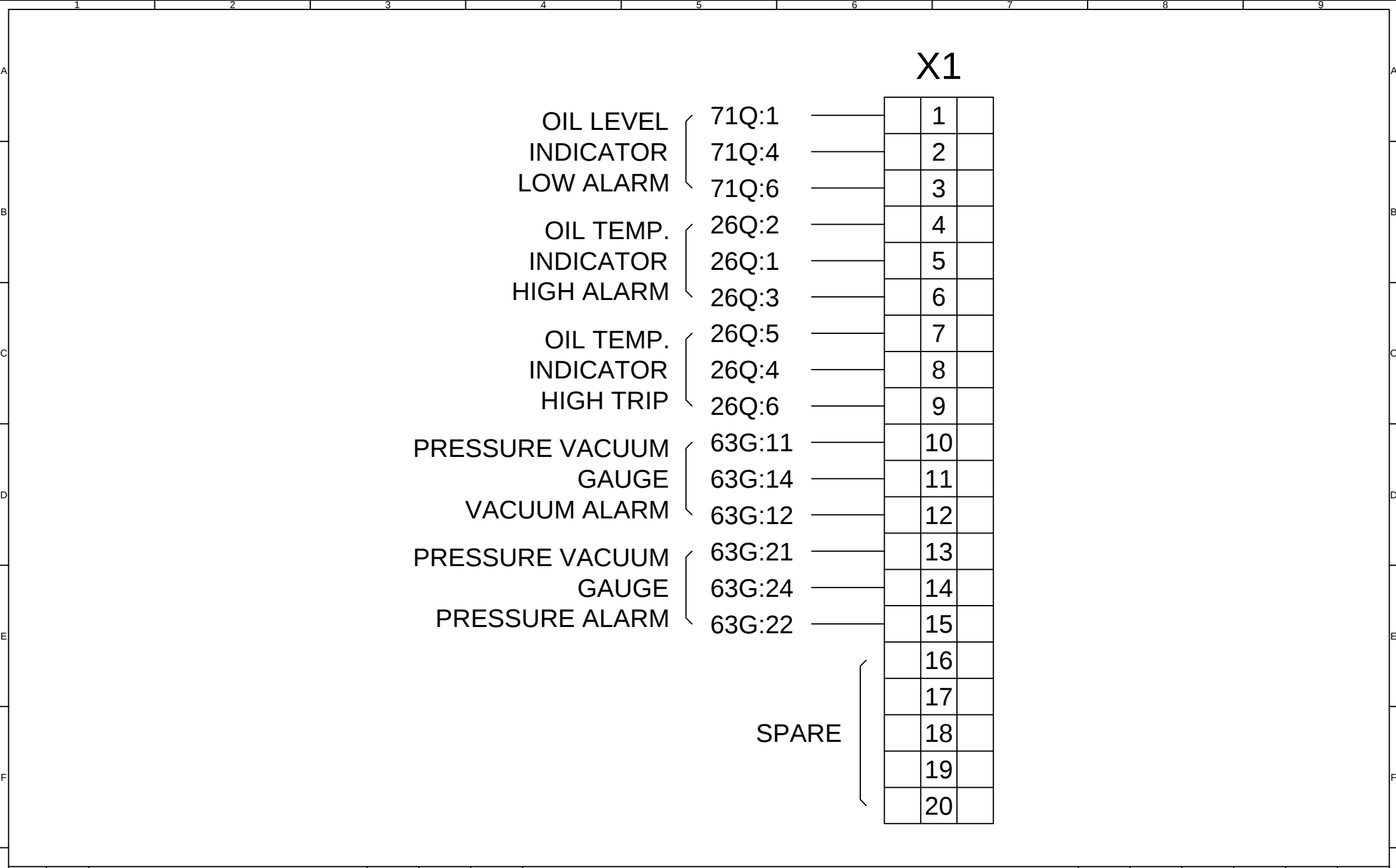
26Q
OIL TEMP.
INDICATOR



63G
PRESSURE VACUUM
GAUGE



5						 HC Transformer & Switchgear CLASS : 2000kVA (KNAN, 3PH, 60Hz, FR3 FILLED) HV : 12470Y/7200 V, 95kV BIL LV : 480Y/277V, 30kV BIL TEMP RISE : 65°C RISE	SHEET	DSGN	CHKD	APPD	UNIT	INCH
4							1 / 2	WC.Kang	SH.Kim	YK.Choi	TOL.	±0.25"
3							DWG No.				SCALE	N / S
2							HC2645 - A20				REV.	0
1							TITLE				DATE	
REV.	DATE	REMARKS			DSGN	CHKD	APPD	PROTECTION DIAGRAM				08. 16. 2023



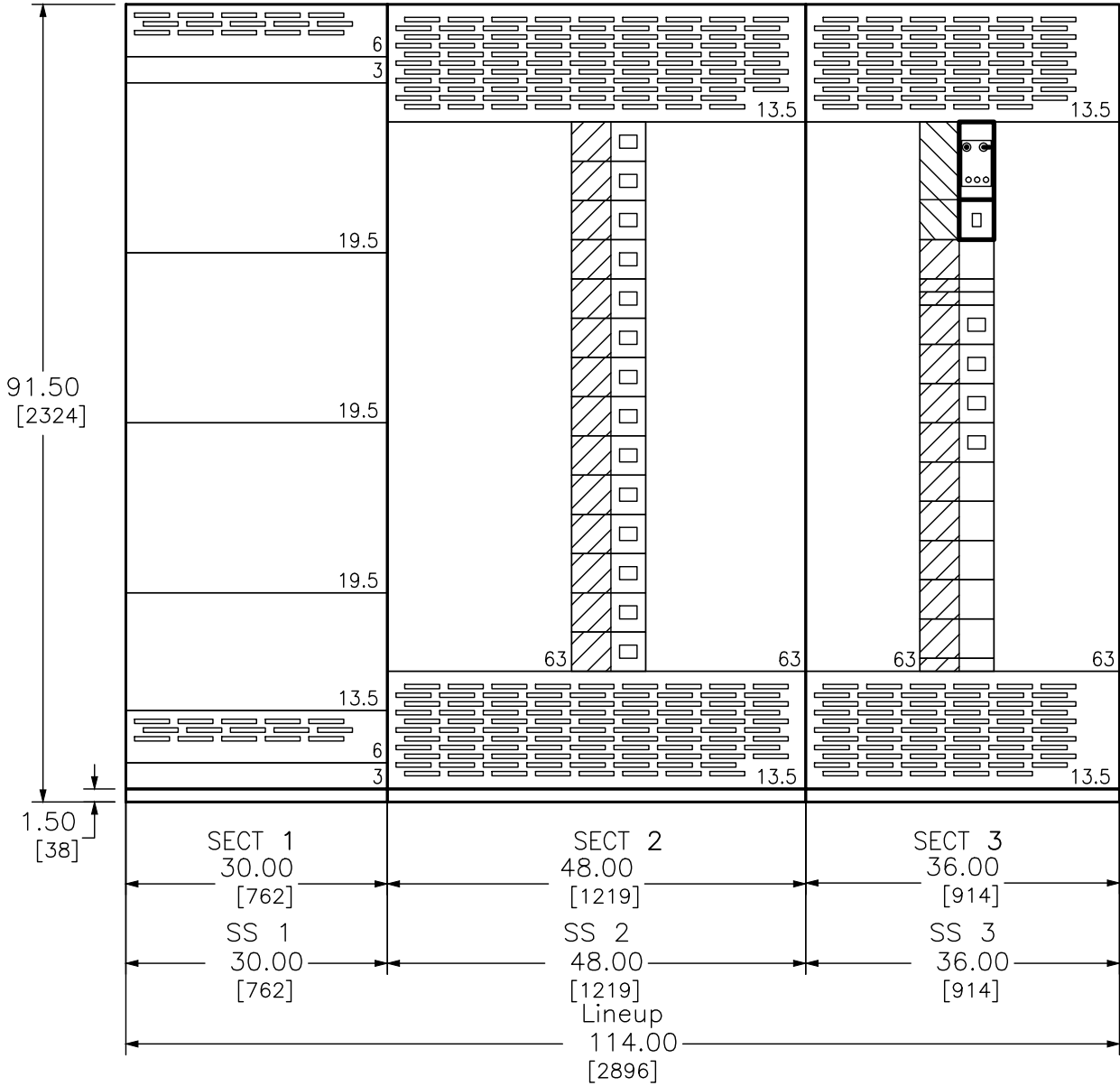
5						HC Transformer & Switchgear CLASS : 2000kVA (KNAN, 3PH, 60Hz, FR3 FILLED) HV : 12470Y/7200 V, 95kV BIL LV : 480Y/277V, 30kV BIL TEMP RISE : 65°C RISE	SHEET	DSGN	CHKD	APPD	UNIT	INCH
4							2 / 2	WC.Kang	SH.Kim	YK.Choi	TOL.	±0.25"
3							DWG No.				SCALE	N / S
2							HC2645 - A21				REV.	0
1							TITLE				DATE	
REV.	DATE	REMARKS		DSGN	CHKD	APPD	TERMINAL BLOCK DIAGRAM				08. 16. 2023	
1		2	3				4	5	6	7	8	9

REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--

No T-bus

T-bus
27.0 in

T-bus
19.5 in



SWITCHBOARD GENERAL NOTES – SERIES 2

PRODUCT DESCRIPTION & RATINGS

Power System Data

480Y/277V 3Ph 4W 60Hz / 3 Phase Wye
Solidly Grounded
System Short Circuit Current Rating: 35kA RMS
Incoming Through the Bottom of Unbussed Pull Section 1
Incoming Section 2 Cable Through the Top Left of Lineup

Bus System Data

2500A Silver Plated Copper Main Bus
(4) .25x2.00 IN/6x51 mm Cu Bus Bar Per Phase
(2) .25x5.00 IN/6x127 mm Cu Bus Bar Per Neutral
(1) .25x1.75 IN/6x44 mm Cu Ground Bus

Enclosure Data

Type 3R Free Standing
Exterior Paint Color: ANSI 49
Front Accessibility Only Required
Handling: Rollers
Strip Heater w. Thermostat & Humidistat
Rodent barriers
1.5H Corrosion Resist Base Channels
Steel Bottom Closure Plate

Estimated Shipping Weight

Shipping Split 1 723.00 lbs / 327.95 kgs
Shipping Split 2 1225.00 lbs / 555.66 kgs
Shipping Split 3 1035.00 lbs / 469.48 kgs
Complete Lineup 2983.00 lbs / 1353.09 kgs

Code Standards

U.L. Deadfront

Rating Nameplates

ST1– SWBD enclosure
ST2– Deadfront – Section Bus 2500A
ST3– Deadfront – Section Bus 2500A

PRODUCT INFORMATION

Wiring

All wiring to be Machine Tool Wire type

Instruction Bulletins

Reference 80043–055 For Handling, Installation,
Anchoring, Inspection And Maintenance Information

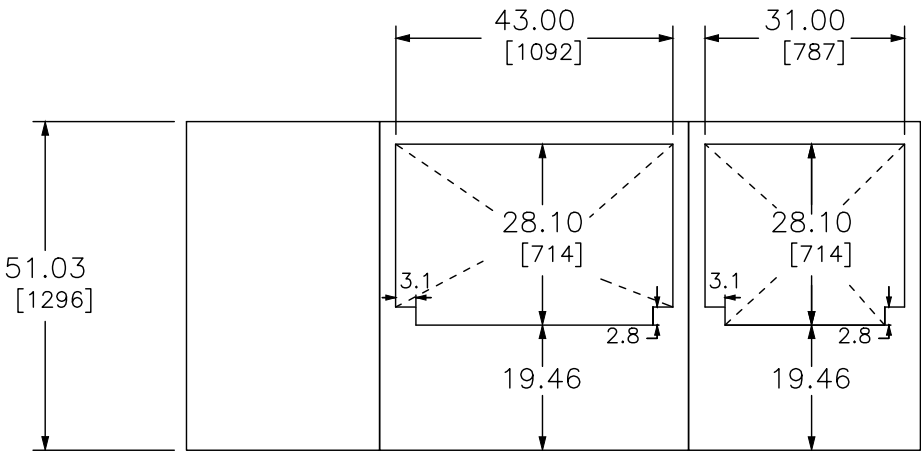
Product Accessories/Options

Seismic Qualified

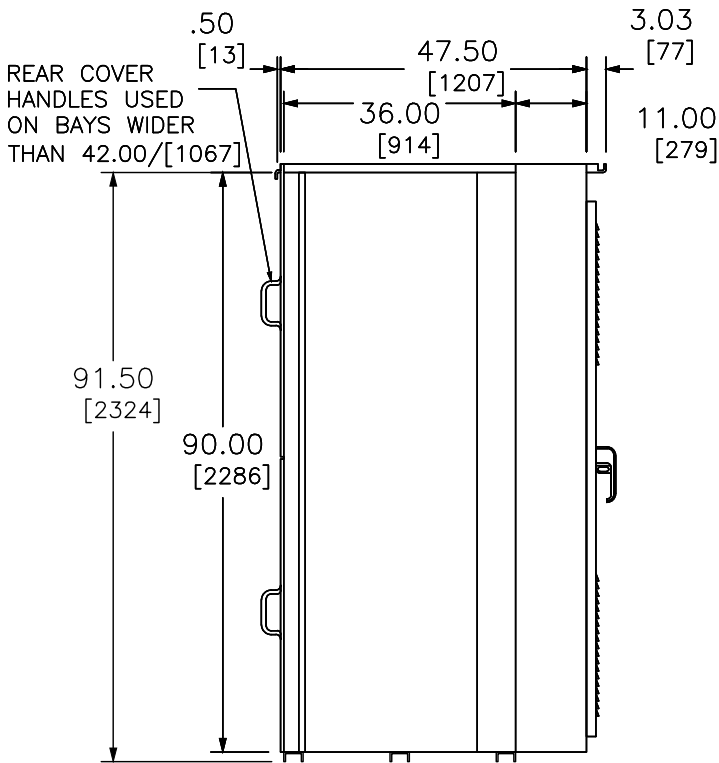
DUAL DIMENSIONS: INCHES
MILLIMETERS

JOB NAME:	VARNEY	EQUIPMENT DESIGNATION:	SWB
JOB LOCATION:		EQUIPMENT TYPE:	QED–2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	GENERAL NOTES
ENGR:		 by Schneider Electric	
DATE:	June 16 2023		
DRAWING STATUS:	QUOTE	DWG#	FQ–4033084–115992232–01
		PG	1 OF 2
		REV	–

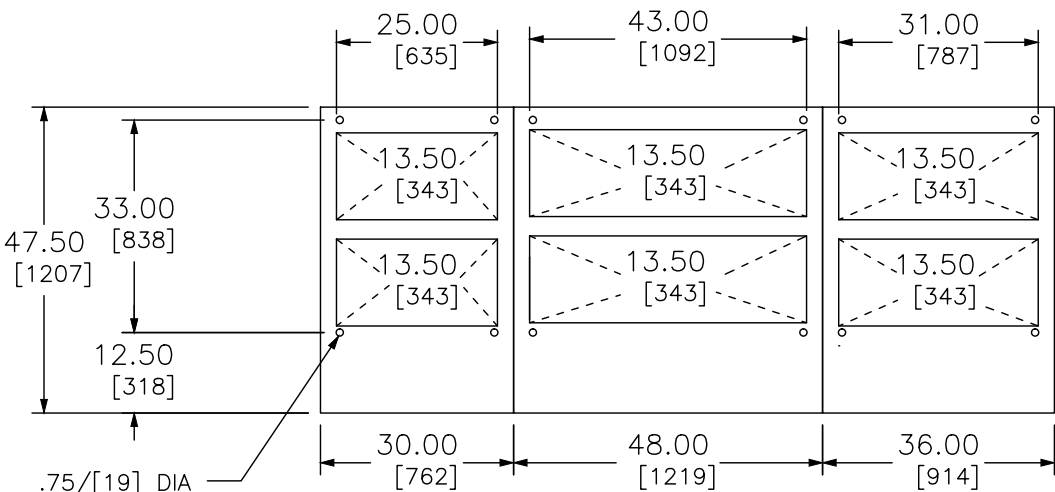
REV	DESCRIPTION	BY	DATE										
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--	-	----



TOP VIEW – FRONT



LEFT SIDE VIEW



.75/[19] DIA
MTG HOLES OFFSET
3.00/[76] TYP
FOR SIDE

FLOOR PLAN – FRONT

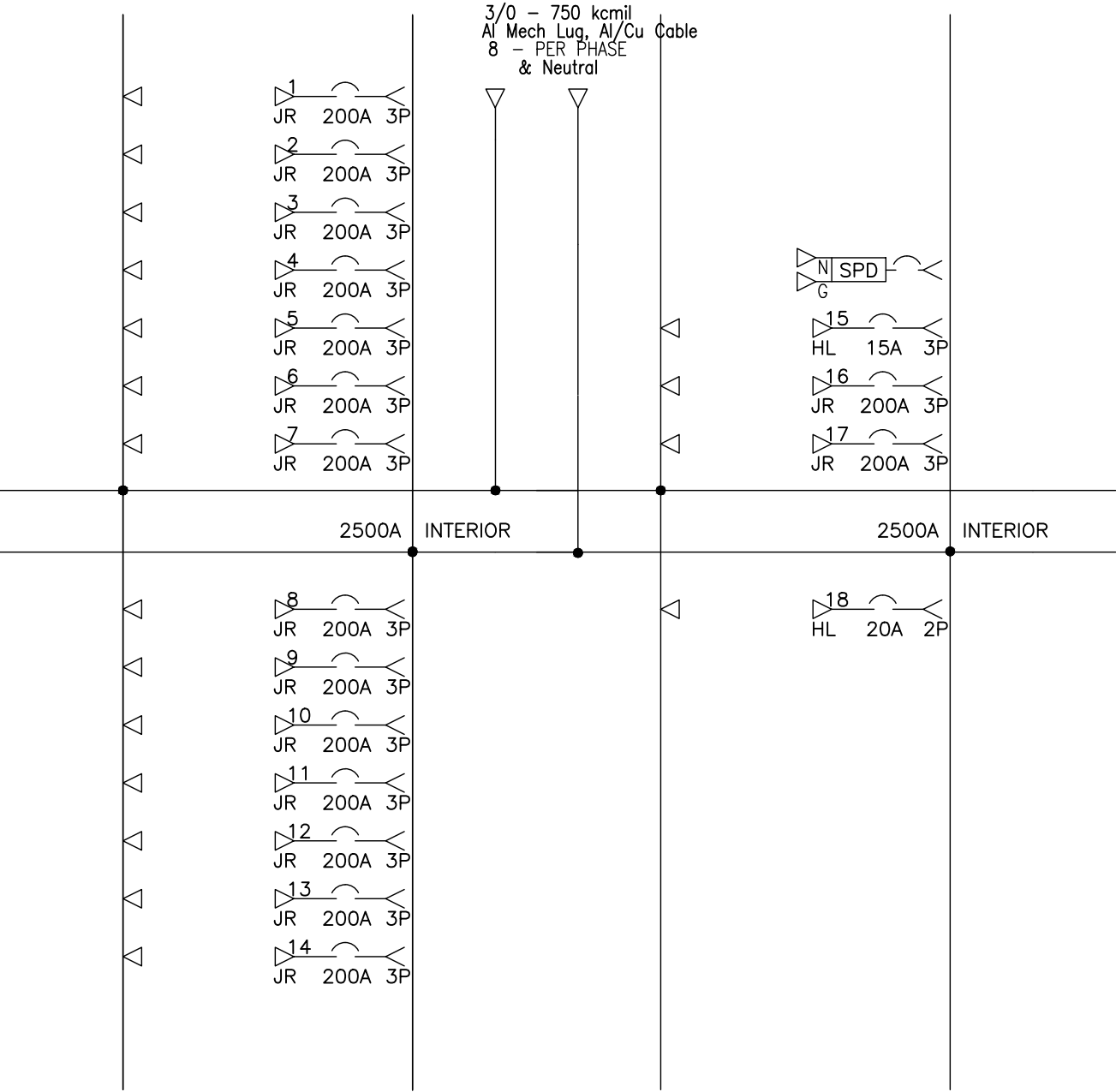
NOTE: ALL DEVICES REQUIRING DRILLING OR INSERTION IN MOUNTING PAD
SUCH AS CONDUIT, ANCHORING STUDS, SLEEVE INSERTS, ETC.
SHOULD BE INSTALLED BEFORE SETTING EQUIPMENT IN PLACE.

DUAL DIMENSIONS: INCHES
MILLIMETERS

NOTE:
A MINIMUM OF 2.00/[51]
CLEARANCE BEHIND THE
SWITCHBOARD IS REQUIRED
FOR TOP COVER OVERHANG.

JOB NAME:	VARNEY	EQUIPMENT DESIGNATION:	SWB
JOB LOCATION:		EQUIPMENT TYPE:	QED-2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	SIDE, TOP VIEW & FLOOR PLAN
ENGR:		 by Schneider Electric	
DATE:	June 16 2023		
DRAWING STATUS:	QUOTE	DWG#	FQ-4033084-115992232-01
		PG 2	OF 2
		REV	-

REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
-	----	--	--/--/--	-	----	--	--/--/--	-	----	--	--/--/--



SECTION 1

SECTION 2

SECTION 3

JOB NAME: VARNEY	EQUIPMENT DESIGNATION: SWB
JOB LOCATION:	EQUIPMENT TYPE: QED-2 Switchboard
DRAWN BY: (Q2C)	DRAWING TYPE: ONE LINE
ENGR:	 by Schneider Electric
DATE: June 16 2023	
DRAWING STATUS: QUOTE	DWG# OQ-4033084-115992232-01
PG 1 OF 2 REV -	

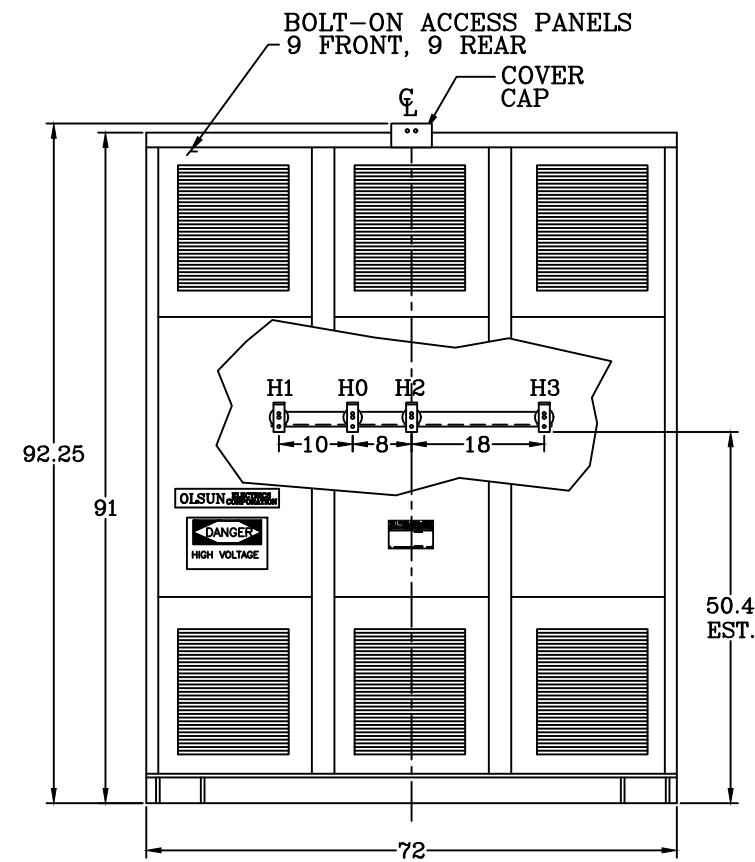
REV	DESCRIPTION						BY	DATE		-	----	--	--/--/--	-	----	--	--/--/--	-	----
-	-----						--	--/--/--		-	-----	--	--/--/--	-	-----	--	--/--/--	-	-----

POWER STYLE QED-2 SWITCHBOARD SERIES 2

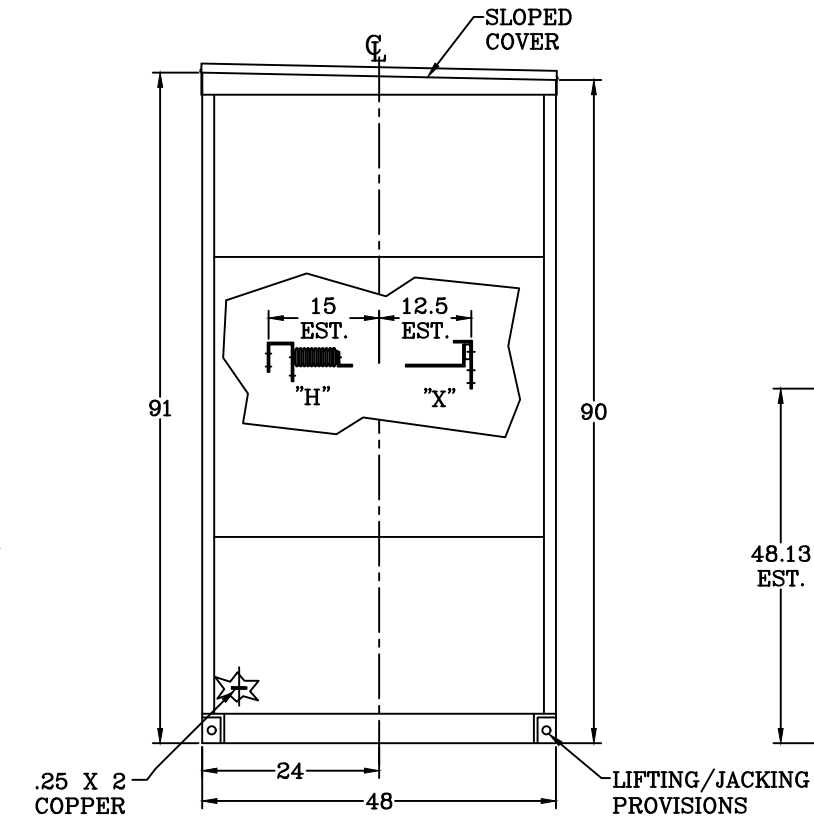
SECT NO	CKT NO	IMD /GMD CONFIG	DEVICE/FRAME RATING	TRIP AMP	FUSE/ TRIP	#P	DESIGNATION	N/P	LUG/WIRE INFORMATION				ACCESSORIES / NOTES
									QTY	PHASE WIRE RANGE	QTY	NEUT WIRE RANGE	
1	-	-	Strip Heater	-	-	-	-	-	-	-	-	-	SHR
2	-	-	Incoming Connection	-	-	-	-	-	8	3/0 - 750 kcmil	8	3/0 - 750 kcmil	
2	-	-	Strip Heater	-	-	-	-	-	-	-	-	-	SHR
2	1	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	2	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	3	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	4	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	5	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	6	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	7	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	8	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	9	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	10	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	11	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	12	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	13	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
2	14	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
3	-	-	Strip Heater	-	-	-	-	-	-	-	-	-	SHR
3	-	13.5 in	160kA SPD	-	-	-	-	-	-	-	-	-	SPD
3	15	4.5 in	HL	15A	-	3P		No	1	#14 - 1/0 AWG	1	#14 - 1/0 AWG	PLA
3	16	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
3	17	4.5 in	JR 250A	200A	S-LI	3P		No	1	3/0 - 350 kcmil	1	3/0 - 350kcmil	PLA
3	18	4.5 in	HL	20A	-	2P		No	1	#14 - 1/0 AWG	1	#14 - 1/0 AWG	PLA

LEGEND	
PLA	Padlock Attachment-Fixed
SHR	Strip Heater
SPD	Surge Protection Device

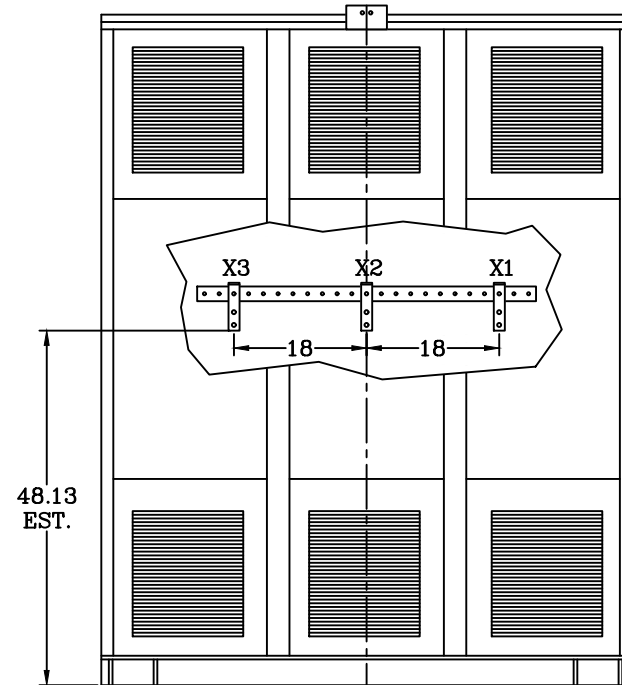
JOB NAME:	VARNEY	EQUIPMENT DESIGNATION:	SWB
JOB LOCATION:		EQUIPMENT TYPE:	QED-2 Switchboard
DRAWN BY:	(Q2C)	DRAWING TYPE:	SCHEDULE
ENGR:		SQUARE D by Schneider Electric	
DATE:	June 16 2023		
DRAWING STATUS:	QUOTE	DWG#	QQ-4033084-115992232-01
		PG	2 OF 2
		REV	-



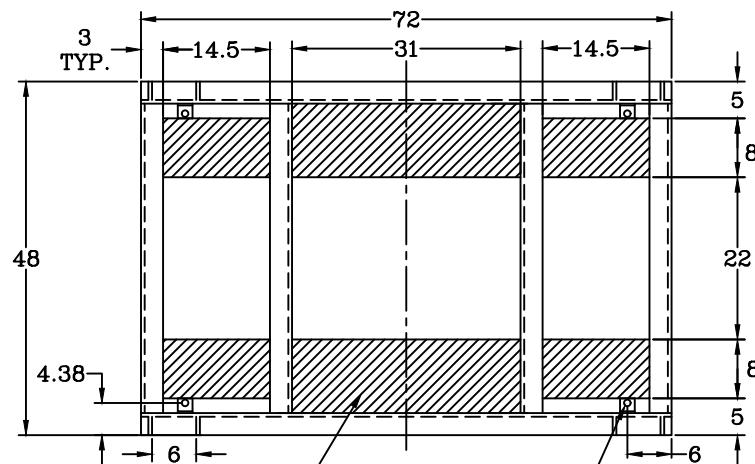
FRONT



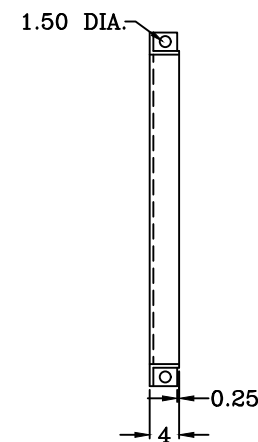
RIGHT



REAR



BASE DETAIL (TOP VIEW)



"H" TERMINAL DETAIL .25" X 1.5" COPPER	"X" TERMINAL DETAIL .25" X 1.5" ALUMINUM

ReVision Energy Approved
No Exceptions
A.B. 11.6.23

APPROVAL BLOCK

☒ THIS DRAWING IS APPROVED AS IS.
(ALL CUSTOMER REQUIREMENTS ARE INCLUDED/NOTED ON THIS DRAWING)

☐ THIS DRAWING IS APPROVED AS MODIFIED.
(PLEASE MAKE MODIFICATIONS IN RED)

SIGNATURE _____ DATE: _____

ITEM	DESCRIPTION
1	COPPER WOUND PRIMARY, ALUMINUM WOUND SECONDARY
2	220°C INSULATION CLASS
3	STAINLESS STEEL NAMEPLATE
4	HV TERMINAL (SEE DETAIL)
5	LV TERMINAL (SEE DETAIL)
6	VIBRATION PADS (INTERNAL)
7	MADE IN U.S.A.
SPECIFICATIONS	
A	NEMA 3R MILD STEEL ENCLOSURE WITH AND ANSI 61 POWDER COAT FINISH
B	YNd1 VECTOR CONFIGURATION
C	CALCULATED R _{dc} = 20.5 OHMS/PH @ 170C CALCULATED X _o = 59.5 OHMS/PH @ 170C CALCULATED X/R = 2.95 @ 170C CALCULATED %Z ₀ = 3.00 @ 170C
D	SHORT CIRCUIT NEUTRAL CURRENT = 230 AMPS, RATED TIME = 2 S FAULT WITHSTAND
E	VACUUM PRESSURE IMPREGNATED

OLSUN Electric Engineered Transformer Solutions www.olsun.com tel. 800.336.5786		DRY TYPE GROUNDING TRANSFORMER CLASS AA	
		°C RISE	150 No. A75789
CONTINUOUS NEUTRAL CURRENT	10.4 AMPS	RESISTANCE	13.0 OHMS/PH @25C
H.V. 12470Y/7200	95 KV BIL	PHASES 3	IMPEDANCE 62.2 OHMS/PH @170°C
L.V. 480Δ	10 KV BIL	HERTZ 60	T _c @170°C 1.59 WGT. 3600 LBS
75 KVA			

TRANSFORMER NAMEPLATE DRAWING

REV01: UPDATED TO SHOW CONDUIT ACCESS ON BASE VIEW - KMJ 10/12/23

OLSUN Electric Engineered Transformer Solutions		RICHMOND, ILLINOIS TEL. 800.336.5786 WWW.OLSUN.COM	
		THIS DOCUMENT IS THE PROPERTY OF OLSUN ELECTRICS CORPORATION AND MUST NOT BE COPIED, REPRODUCED OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF OLSUN ELECTRICS CORPORATION.	DRAWN BY: KMJ DATE: 7/12/23
REVISIONS: 01	APPROVED BY: ARP	DIMENSIONS IN INCHES TOLERANCES: ONE DECIMAL: +/- .5" TWO DECIMAL: +/- .025" THREE DECIMAL: +/- .0125"	DRAWING TITLE: VENTILATED DISTRIBUTION TRANSFORMER DRAWING NUMBER: A75789