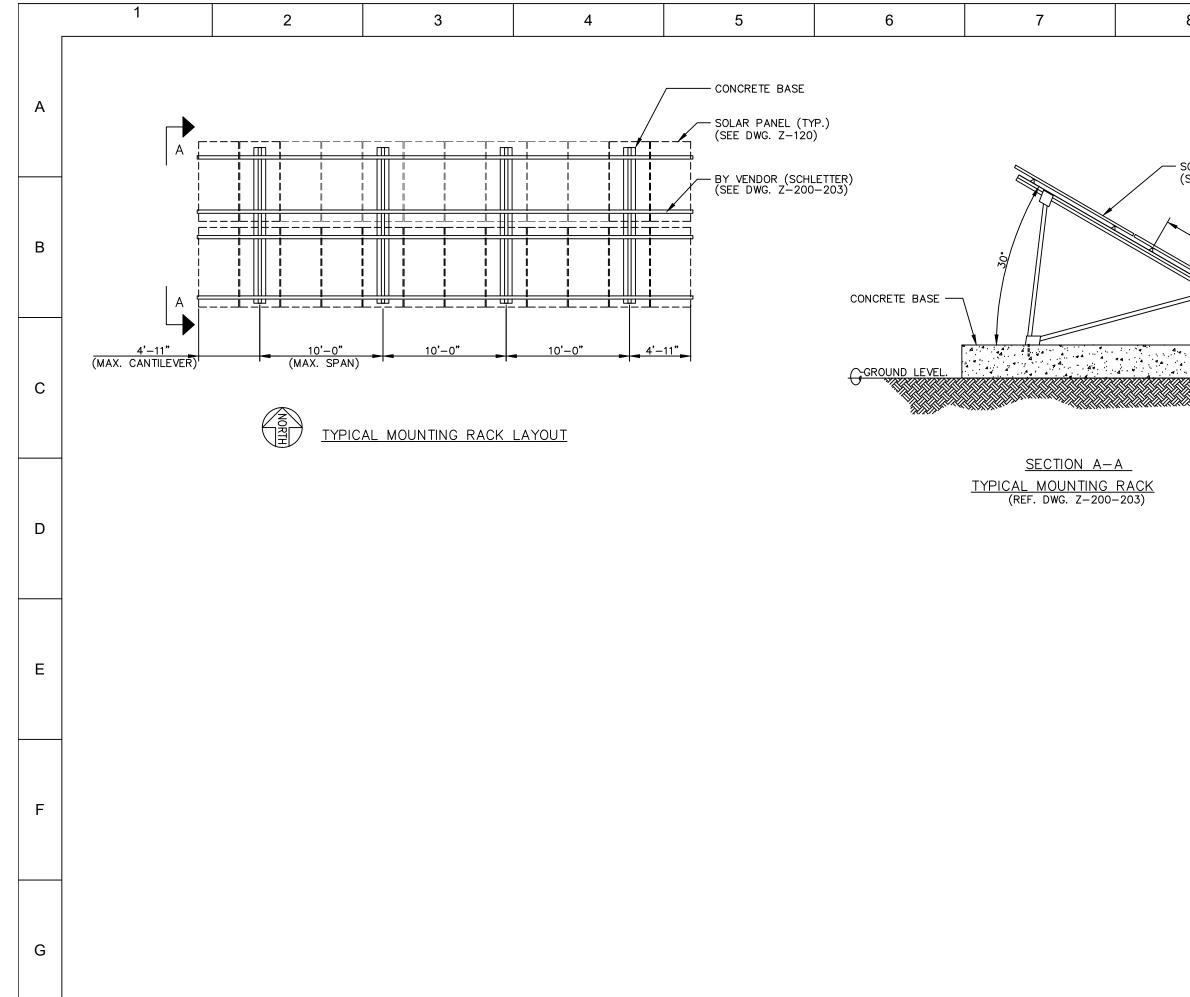


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		DEPENDENT OF THE PROPENSION AND CONSENT OF WORD	A
0"Ø EMT CONDU ABOVE GRADE SUPPORTED BY AT EVERY 5'-0' CONNECT TO D.:	URABLOCK OURABLOCK ' (TYP.) S. #1	HESE DRAWINGS ARE HAVE BEEN REPRODUCED IT A SIZED DIFFERENT THAN ORIGINALLY RAWN. OWNER AND ARCHITECT ASSUME NO ESPONSIBILITY FOR USE OF INCORRECT CALE. O NOT SCALE DRAWINGS. SYSTEM SIZE: 14.88kW SYSTEM MODEL TYPE: CSUN 310-72P TOTAL NO. PANEL 48 PROJECT NO. 5001UC	В
		PROJECT NAME AND ADDRESS: URBANA SOLAR GROUND MOUNT 1210 E. UNIVERSITY AVE. URBANA, IL	С
EXISTING BUIL		ROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE OCUMENTS WERE PREPARED OR APPROVED BY WE AND HAT I AM A DULY LICENSED PROFESSIONAL ENGINEER NORE THE LAWS OF THE STATE OF ILLINOIS CENSED STATE NO	D
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ANGEMENT	D R Si	REV         DESCRIPTION         DATE	F
CT SWITCH DLAR PANELS, /	AND OPTIMIZERS	RAWING TITLE: SITE PLAN DRAWING NUMBER: GA-100	G
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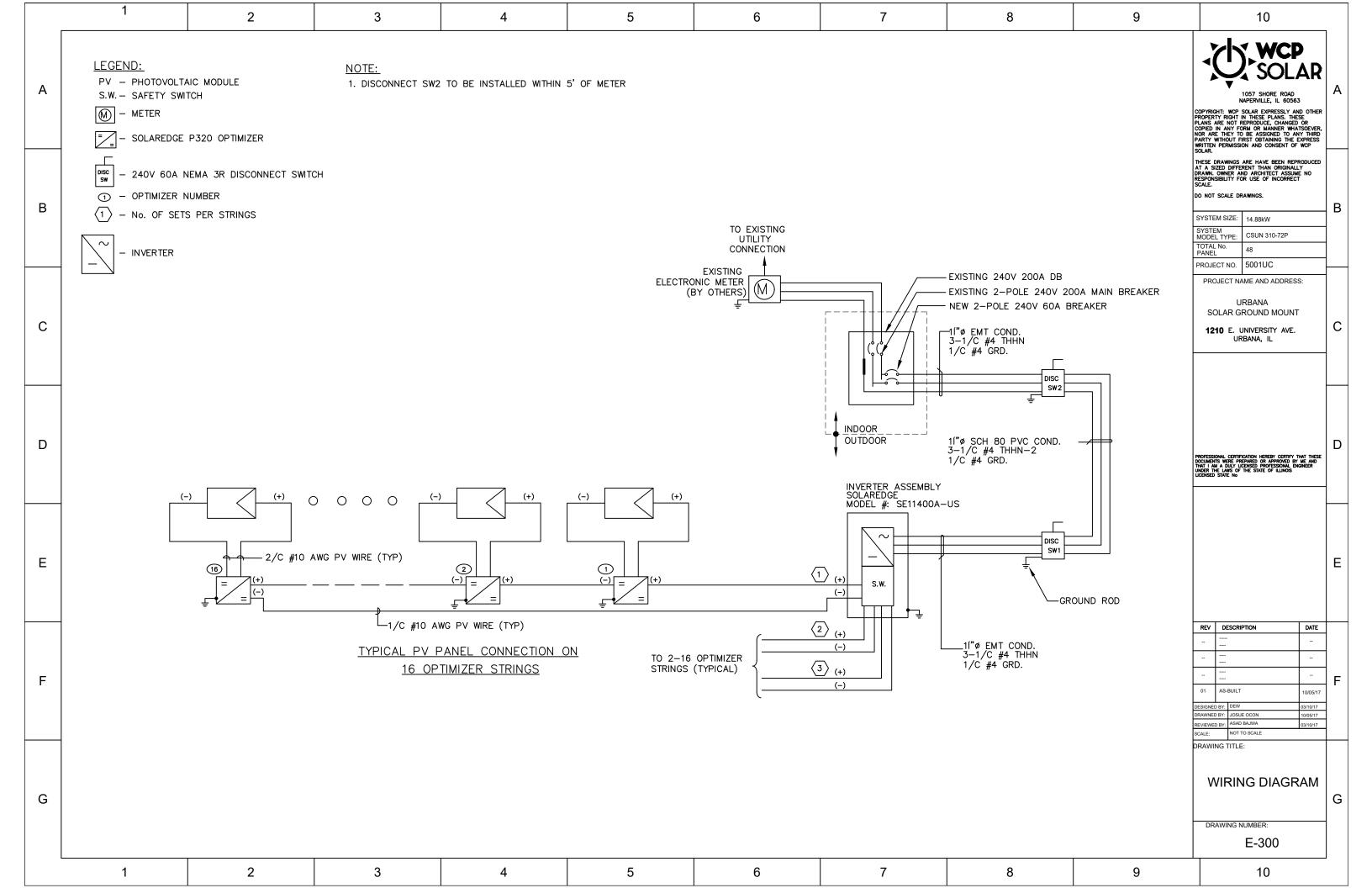
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SOLAR PANEL (	TYP.)	COPYRIGHT: ROPERTY LANS ARE JOR ARE T ARTY WITH WITHEN PE	N	1057 SHORE ROAD LAPERVILLE, IL 60563 SOLAR EXPRESSLY. THE REPROJUCE, CHANGED STHESS EXPRESSLY. THE REPROJUCE, CHANGED STHE ORT ANNUE THE E WIN OR MANNER WHAT D BE ASSIGNED TO AW INST OBTINING THE E ON AND CONSENT OF		А
(SEE DWG. Z-1)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		WINGS DIFFE NER AL LITY FC ALE DR SIZE: YPE: D.	ARE HAVE BEEN REPR RENT THAN ORIGINALL' ND ARCHITECT ASSUME OR USE OF INCORRECT		В
		SOL	U AR GI ) E. L	RBANA ROUND MOUNT JNIVERSITY AVE. BANA, IL		С
		PROFESSIONAL OCCUMENTS V THAT I AM A NOBER THE L LICENSED STA	L CERTIFI WERE PR DULY LIX DULY LIX AWS OF NE No	CATION HEREBY CERTIFY TH EPARED OR APPROVED BY DENSE TROFESSIONAL BIO THE STATE OF ILLINOIS	NT THESE ME AND INEER	D
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	ELECTRICAL INSTA	LLATION NOTES:	CON'T. ELEC	CTRICAL NOTES:	CON'T. EL	ECTRICAL NOTES:	GROUNDING			
	1. THE INTENT OF T NOTES FOR GIVEN	HIS DRAWING IS TO LIST I INSTALLATION ACTIVITY.	CONTAINED IN THE SAME RACEWAY, CABLE TRAY, CABLE, OUTLET BOX, JUNCTION BOX, OR SIMILAR FITTING AS FEEDERS OR BRANCH MARKED WITH PERMANENT MARKING PAINT, AFTER TORQUING. THE CONDUIT SYSTEM SHALL BE INSTALLED SNUG TIGHT, WHERE SNUG TIGHT DA C CIRCUITS WILL BE USED FOR SYSTEM GROUNDING FOR 42) (PEEPENCED TO THE SAME POINT)							SOLAR
A	FOLLOWING INDICA	"ASTM" REFERENCE IN THE ATES THE AMERICAN SOCIETY ERIALS SPECIFICATION.	CONDUCTORS OI	HER SYSTEMS UNLESS THE F THE DIFFERENT SYSTEMS AF A PARTITION OR ARE ETHER.	RE FEW IMPACTS FULL EFFORT	AS THE TIGHTNESS ATTAINED BY GOF AN IMPACT WRENCH OR TI GOF THE INSTALLER WITH IZED WRENCH (OR OTHER	E 2. EQUIPMENT G CONDUCTORS	ROUNDING CONDUCTORS AND SY WILL HAVE AS SHORT A DISTAN	CE TO GROUND AS	A 1057 SHORE ROAD NAPERVILLE, IL 60563 COPYRIGHT: WCP SOLAR EXPRESSLY AND OTHER PROPERTY RIGHT IN THESE PLANS. THESE
	RIGID STEEL CON INSIDE AND OUTS	IDUIT IS SPECIFIED, ONLY DUIT, HOT-DIPPED GALVANIZED IDE (INCLUDING THREAD), O (UNLESS NOTED OTHERWISE).	NOT APPROVED	) AS UV RESISTANT, PVC IS FOR INSTALLATION IN JECTED TO DIRECT SUNLIGHT	27. ALL BARE CU	: CONSTRUCTION TOOLS.) J WIRES SHALL BE INSTALLED T NTO CONTACT WITH DISSIMILAR	O 3. NON-CURREN	A MINIMUM NUMBER OF TURNS T CARRYING METAL PARTS SHAL INDING; NOTING THAT TERMINAL	L BE CHECKED FOR	PLANS ARE NOT REPRODUCE, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF WCP SOLAR.
	WHEN RIGID NON SPECIFIED, IT SHO REQUIREMENTS. W	-METALLIC CONDUIT PVC IS DULD MEET NEMA AND NEC (HEN USING METAL CONDUIT, EXPANSION AND CONTRACTION	LOCATION. 13. LONG, STRAIGHT	BE EMPLOYED IN ANY SUCH EXPOSED CONDUIT RUNS, 10	METALS.	INECTORS SHALL BE INSULATED		E'S FINISHED SURFACE MAY BE SH. PAINT/FINISH AT POINT OF MOVED.	INSULATED BECAUSE CONTACT SHALL BE	THESE DRAWINGS ARE HAVE BEEN REPRODUCED AT A SIZED DIFFERENT THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.
В	TABLE SHOULD B	E CONSULTED AND EXPANSION NSTALLED, IF NECESSARY.	FITTINGS INSTALL EXPANSION FITTI	SHALL HAVE EXPANSION LED PER NEC 300.7(B). NGS SHALL ALSO BE USED SPANS AN EXPANSION JOINT.	AND WILL RE APPROVAL. U IS NOT SUITA	QUIRE PROJECT ENGINEER JL LISTED ELECTRICAL TAPE ALO ABLE AS THE ONLY INSULATION OW MANUFACTURERS INSTRUCTION	NE ELECTRICALLY	PONENTS AND STRUCTURAL SUF BONDED TOGETHER BY AN ACCI	EPTABLE MEANS.	DO NOT SCALE DRAWINGS. SYSTEM SIZE: 14.88kW B
	PRECASTMANHOLE CONSIDERED FOR WHICH ARE NOT	SECTION SHOULD BE USE IN ALL SITUATIONS COMPROMISED BY OTHER REQUIREMENTS OR		ES SUBJECT TO TRANSFORMER T SHALL BE SIZED	FOR INSTALLA INSULATING F	ATION, AND APPLICATION OF	5. MODULES SHA CONDUCTORS MANUFACTUREI	ALL BE GROUNDED WITH EQUIPM BONDED TO A LOCATION APPRO R WITH A MEANS OF BONDING L	VED BY THE	SYSTEM MODEL TYPE:     CSUN 310-72P       TOTAL No. PANEL     48
	LIMITATIONS, SUCH OR AREAS INVOLV	H AS SEISMIC REQUIREMENTS VING EXCAVATION FOR DR FUTURE EXCAVATION.	15. ALL D.C. MATER 1000V DC.	IALS SHALL BE UL LISTED FO	R BOXES, AND FOR ITS PUR SHALL BE NE	ECTING COMBINENS, FOLZ SEIN ENCLOSURES SHALL BE LISTED POSE. OUTDOOR PULL BOXES EMA 3 OR 4 ENCLOSURE UNLES NOTED IN THE ELECTRICAL	6. THE CONNECT SS SOLAR ELECTR	ION TO THE MODULE OR PANEL RIC SYSTEM SHALL BE SO ARRAI OR A PANEL FROM THE PHOTO	NGED THAT REMOVAL	PROJECT NO. 5001UC PROJECT NAME AND ADDRESS:
С	SHALL BE USED	Y THE UNISTRUT CORPORATION AS REFERENCED ON THE ALENT PRODUCTS MAY BE	CONDUIT TO ABC CONDUIT, USE 2	NING UNDERGROUND PVC DVE GROUND RMC, IMC OR E 20 MIL PIPE WRAP TAPE ROM 6" PAST TRANSITION POI	INSTALLATION MT 30. EQUIPMENT S AREA. INVERT		CIRCUIT DOES ANOTHER PHO RE INTERCONNECT OR WITHOUT E	NOT INTERRUPT A GROUNDED O TOVOLTAIC SOURCE CIRCUIT. SE ED AS SYSTEMS RATED AT 50 V BLOCKING DIODES, AND HAVING CE SHALL BE CONSIDERED AS	CONDUCTOR TO TS OF MODULES VOLTS OR LESS WITH A SINGLE OVER	URBANA SOLAR GROUND MOUNT 1210 E. UNIVERSITY AVE. URBANA, IL
	ACCORDANCE WITH PRODUCT MATERIAL P1000, P1001, ASTM A4	H THE FOLLOWING: GALVANIZED FINISHED 56 G-90 CONFORMING TO	ON PVC TO 6" CONDUIT. AN EX IN THE TRANSITI	ABOVE GROUND ON METALLIC (PANSION JOINT SHALL BE US ON TO ABOVE GROUND REQUIRED BY NEC 300.5(J)	ED 31. CONDUITS AN TOP OF ANY	ND CABLES SHALL NOT ENTER T OUTDOOR ENCLOSURE WITHOUT PROVAL FROM PROJECT ENGINEE	CIRCUIT. HE 7. GROUNDING S	YSTEM COMPONENTS SHALL BE	LISTED FOR THEIR	
	AND P1004A GRADE A EQUIVALE HEX HEAD CAP ASTM A30 SCREW SATM A37 SPRING NUT ASTM A57	NT ASTM A-153 OR EQUIVALENT 7 ELECTRICAL GALVANIZED 0R CONFORMING TO FEDERAL 2 SPECIFICATION QQ-Z-A325A	BE USED IN TH	JIT. AN EXPANSION JOINT SHA E TRANSITION TO ABOVE IT WHERE REQUIRED BY NEC	ALLOW THE (	RANCES SHALL BE LOCATED TO CABLE TO BE TRAINED WITH MO INIMUM ALLOWABLE BENDING	RE 8. ALL GROUNDII BURIAL (DB R	JGS, GROUNDING CLAMPS, ETC. NG CONNECTIONS SHALL BE RAT ATED) , CONTRACTOR IS TO SUF		
D	SINGLE CABLE TWO CABLES	CABLE CROSS SECTIONAL AREA X 100 CROSS SECTIONAL AREA OF CONDUIT - 53% - 31% OR MORE - 40%	18. ANY METAL DEB WORK SHALL BE INTERIORS, TOP	RIS RESULTING FROM SITE CLEANED FROM ENCLOSURE SURFACES OF ENCLOSURE,	LISTED TO PI CONDUIT ENT	(OR APPROVED EQUIVALENT)HUB ROVIDE MOISTURE PROTECTION I RANCES IN ALL APPLICABLE		DURING PRODUCT SUBMITTALS NT GROUNDING CONDUCTORS SH RWISE NOTED.	IALL BE COPPER,	PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I MA A DULY LUCENSED PROFESSIONAL ENGINEER
		TS SHALL BE INSTALLED PER IL UNLESS SPECIFIED ON THIS	WHERE OXIDATIC	AND ANY ADDITIONAL AREAS IN OR CONDUCTIVE METAL JSE RUST, ELECTRICAL SHORT IER DAMAGE.	34. PROTECT WIR	S REQUIRED BY NEC 314.15. E FROM SHARP EDGES WITH UN L WRAP, EDGE-GUARD, OR SPL	/ IT 1. PHOTOVOLT/	AULT PROTECTION AIC INVERTERS SHALL BE EQUIP ULT PROTECTION TO REDUCE FI		UNDER THE LAWS OF THE STATE OF ILLINOIS
	INSTALLED IN A C ON 1 OF CHAPTE ELECTRICAL CODE	OUNT OF CABLE THAT CAN BE CONDUIT OR DUCT IS BASED R 9 OF THE NATIONAL , NFPA 70. THE LIMITS IS IDUIT FILL" RATIO AND	SLOPE TOWARD HAVE A PULL B	ER THAN 200' WITH NEGATIVE ELECTRICAL EQUIPMENT SHALI OX OR VAULT ADJACENT TO NT INTO THE ELECTRICAL	35. MODULE LEAD INSTALLED SU ACCESSIBLE	D CONNECTORS SHALL BE JCH THAT THEY ARE EASILY AND PROTECTED FROM EXPOSU JUNLIGHT OR RAIN. THEY SHALL	INVERTERS /	ARE ALSO EQUIPPED WITH ANTI-		
E	RATIO OF THE SU AREAS OF ALL TH CROSS SECTIONAL	PERCENTAGE. THIS IS THE IM OF THE CROSS SECTIONAL IE CABLES, DIVIDED BY THE AREA OF THE INSIDE OF DUCT, TIMES 100.	20. WHEN TRANSITIO CONDUCTORS IN	NING FROM FREE AIR TO CONDUIT, A LISTED FITTING SHALL BE USED TO PREVEN MOISTINE	MODULE GAP: T 36. THE STRING	ALLED WITHIN TUBING, CONDUIT S. SOURCE CIRCUIT WIRING NEEDS ED ADEQUATELY IN LENGTHS NO	то			E
	8. FOR CONDUITS US STRAIGHT CONDUI	SED AS WALL SLEEVES AND TS UNDER 48 INCHES IN IDUIT FILL SHALL NOT EXCEED	21. METALLIC L AND BE USED.	T CONDUIT BODIES SHALL N	TO EXCEED 2 OT INTERCONNEC SUPPORTED 0 J-BOX AND	24". THE MODULE TO MODULE CTION LEADS NEED TO BE AT A MINIMUM OF 12" FROM TH THE MODULE TO MODULE				REV DESCRIPTION DATE
	9. IF A POTENTIAL F	OR JAMMING EXIST, THE HOULD BE INCREASE	HAVE KOPR-SHI 23. MEGGER TESTINO	COPPER TERMINATIONS SHAL ELD OR EQUIVALENT APPLIED. SHALL BE PERFORMED AT ILL AC CIRCUITS 480 V OR	37. POLARIS (OR BLOCKS ARE	SIMILAR) POWER DISTRIBUTION NOT TO BE USED TO CONNECT				· · · · · · · · · · · · · · · · · · ·
F	10. FLEXIBLE METALLI TO INTERFACE TH ELECTRIC EQUIPM	C CONDUIT SHALL BE USED E RIGID CONDUIT SYSTEM WITH ENT THAT IS FREE STANDING,	BELOW AND DC MEGGER TESTINC VDC FOR DC CI	CIRCUITS 600 V OR BELOW. WILL BE PERFORMED AT 10 RCUITS IN 1000 VDC SYSTEM 50 MEGA OHMS RESISTANCE	00 POLARIS (OR 5. TAP BLOCKS	RRYING CONDUCTORS. INSULATE SIMILAR) CABLE CONNECTORS AND REDUCERS ARE PERMITTEI SOURCE CIRCUIT CONNECTORS	/			Image: Constraint of the second sec
	THERMAL MOVEME CONSIDERATION M ACCOUNT. LIQUID	S, OR IS SUBJECT TO INT, OR WHERE SEISMIC UST BE TAKEN INTO TIGHT FLEXIBLE METAL	SOLAR MODULES THEIR INTERNAL		MUST BE OF THE MODULE CONNECTION PER THE MO	THE SAME MAKE AND MODEL A TO MODULE CONNECTORS. THE TO SOURCE CIRCUITS MUST BE DULE MANUFACTURER AND				REVIEWED BY: ASAD BAJWA 03/10/17 SCALE: NOT TO SCALE DRAWING TITLE:
	CONDUIT IS GENERALLY SUITABLE FOR 24. BENDS SHALL NOT DAMAGE THE RACEWAY OR INSTALLATION IN WET AND DRY LOCATIONS. SHOULD IT BE EMPLOYED, SUPPORTS WILL BE NO MORE 12 INCHES FROM BOXES (JUNCTIONBOX, CABINETS, OR CONDUIT FITTING) 25. SUPPORT CONDUCTORS IN VERTICAL CONDUITS				R CONNECTOR CONTRACTOR CONDUCTOR THE STRING	MANUFACTURER INSTRUCTIONS. TO VERIFY THAT THE STRING DIAMETER IS COMPATIBLE WITH CIRCUIT HOME-RUN CONNECTOR	RS.			ELECTRICAL NOTES
G	ÀND NO MORE TH 350.30).	HAN 36 INCHES APART (NEC	IN ACCORDANCE NEC 300.19.	WITH THE REQUIREMENTS OF	39. ALL FITTING THREADED / SET-SCREW	FOR METALLIC RACEWAYS SHALL COMPRESSION TYPE. NO FITTINGS PERMITTED	BE			DRAWING NUMBER:
	11. THE PHOTOVOLTAIC SOURCE CIRCUITS AND PHOTOVOLTAIC OUTPUT CIRCUITS OF THIS PROPOSED SOLAR SYSTEM SHALL NOT BE       26. CONNECTORS SHALL BE TORQUED PER DEVICE LISTING, OR MANUFACTURERS RECOMMENDATIONS. CONNECTORS ARE TO BE					1				E-100
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ŀ	Ą	REQUIRED SAFETY SIGN PERMANENTLY ATTACHE MEANS. LABELS SHALL OTHER APPLICABLE ST	ETY, SIGNS AND LAP NS AND LABELS SHALL BE E D BY ADHESIVE, OR OTHER COMPLY WITH ARTICLE 690 ATE AND LOCAL CODES. SEE	TCHED PLACARDS MECHANICAL OF THE NEC OR							NAPEGRULE, IL 60563 COPYRIGHT: WCP SOLAR EXPRESSLY AND OTHER ROPERTY RIGHT IN THESE PLANS. THESE LANS ARE NOT REPRODUCE, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, IOR ARE THEY TO BE ASSIGNED TO ANY THIRD VARTY WITHOUT FIRST OBTAINING THE EXPRESS WITHOUT FIRST OBTAINING THE EXPRESS	A
E	В	THE HAZARD: INSULATE GOGGLES, SAFETY SHO THE CONSTRUCTION SI 1. ANY SWITCH, FUS ENERGIZED IN EIT FOLLOWS: WARNING: ELECTRICAL SH TERMINALS ON	ECTIVE EQUIPMENT(PPE) APF ED GLOVES WITH PROTECTOR DES, INSULATED MATS AND T	IS, PROTECTIVE OOLS WHILE AT THAT CAN BE ABELED AS H TERMINALS.							SOLAR.     Intese drawings are have been reproduced to a sized different than originally shawn, owner and architect assume no esponsibility for use of incorrect scale.       DO NOT SCALE DRAWINGS.       SYSTEM SIZE:       14.88kW       SYSTEM MODEL TYPE:       CSUN 310-72P       TOTAL NO.       PANEL       PANEL       PROJECT NO.	В
C	c	DISCONNECT WHIC PHOTOVOLTAIC DISCONNECTING A.C. DISCONNE 3. A MARKING SPEC RATED AS FOLLOV		LLOWS: OWER SOURCE AN ACCESSIBLE						-	PROJECT NAME AND ADDRESS: URBANA SOLAR GROUND MOUNT	с
	D	DEVICE WHERE EN EXPOSED DURING WARNING: ELECTRICAL SH THE CONDUCTO	LTAGE EM VOLTAGE CURRENT N BOX, COMBINER BOX, DIS NERGIZED UNGROUNDED DC SERVICE:	CIRCUITS MAYBE							PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE OCCUMENTS WERE PREPARED OR APPROVED BY ME AND INT I AM A DURY LICENSED PROFESSIONAL ENGINEER NEEDSTATE NO	D
E	E	PERMITTED ONLY WITH THE ARCHITECT. 2. WHEN PROVIDING NO REVIEW ALL PARAMET	N OR MATERIALS SHALL BE H THE WRITTEN REVIEW OF N-SPECIFIED EQUIPMENT, TERS FOR CONFORMANCE AN NGS OR PRODUCT LITERATUF									E
F	F	DIRECTION FROM THE BE ALLOWED. 4. ALL MANUFACTURERS AND/OR WARNINGS F USED IN CONSTRUCTI OBSERVED. IT IS THE	ATTHOUT SPECIFIC WRITTEN OWNER & ARCHITECT WILL PRODUCT SPECIFICATIONS FOR PRODUCTS OR MATERIAL ION, MUST BE STRICTLY OWNER'S RESPONSIBILITY ROPRIATENESS OF ALL FED.	S,							REV         DESCRIPTION         DATE	F
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A	LEGEND: (1) -No. OF OP (1) -No. OF SET 	S PER STRINGS								COPYRIGHT: W PROPERTY RIC PLANS ARE NE COPIED IN AN NOR ARE THE PARTY WITHOU WRITTEN PERN SOLAR:
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D					2					PROFESSIONAL C DOCUMENTS WER UNDER THE LAW LICENSED STATE
E			(3							
F			Z		TI TING CONNEC		1. 2.	STRING CONNECTIONS SHOWN O IS FOR DIAGRAMMATIC PURPOS INSTALLER SHOULD FOLLOW MANUFACTURER'S RECOMMEND	SE ONLY.	REV         DES                       01         AS-B           DESIGNED BY-I         DRAWNED BY           DRAWNED BY-I         SCALE:
G			TORT	JULAN FANEL	STAING CONNEC	HON LATOUT				DRAWING TI
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	T A D R S S S	HESE DRAWINGS	ARE HAVE BEEN REPRODUCED RENT THAN ORIGINALLY ND ARCHITECT ASSUME NO OR USE OF INCORRECT	В
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	9 D T J L	ROFESSIONAL CERTIFIC Ocjuments Were PR Hat I am a duly du Drer The Laws of Censed State No	ication hereby certify that these Epared or Approved by ME and Censed professional engineer The state of illingis	D
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CTIONS SHOWN ( AMMATIC PURPOS DULD FOLLOW R'S RECOMMEND	ATION	ETIENTED DT.		F
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		ERAL REQUIREMENTS CODI ALL CODES HAVING JURISDICTIO DBSERVED STRICTLY IN THE CO THE PROJECT, INCLUDING, BUT TO, ALL APPLICABLE STATE, LOC COUNTY BUILDING, ZONING, ELE MECHANICAL, PLUMBING AND FIF CONTRACTOR SHALL VERIFY ALL REQUIREMENTS BEFORE COMMEN CONSTRUCTION AND BRING DISC THE DOCUMENTS TO THE ATTEN	N SHALL BE NSTRUCTION OF NOT LIMITED CAL, AND CTRICAL, RE CODES. THE CODE ICEMENT OF REPANCIES IN	PROJECT COORDINATION 1. CONTRACTORS SHALL VIS SUBMITTING A BID, VERIF CONDITIONS, AND REPOR ARCHITECT IN WRITING O FOR SAME. 2. CONTRACTORS SHALL CC AND THE WORK OF ADJO TRADES SHALL ASSIST IN CONDITIONS TO MAKE SA	OT THE SITE PRIOR TO Y DIMENSIONS AND T CONFLICTS TO THE R BE RESPONSIBLE MORDINATE THEIR WORK WINING TRADES. ALL WORKING OUT SPACE	THE WEATHERING OF ELIMINATE THE POSSI TO CORROSION, WATE AS A RESULT, THE L MOUNTING SYSTEMS ENCLOSURES, PULL I BOXES, OR OTHER E 2. ALL NEMA 4 BOXES	- ITRACTOR SHALL CONSIDER EQUIPMENT OVER TIME AND BILITY OF DEGRADATION DUE ER ENTRY AND UV EXPOSURE. JSE OF UNISTRUT OR SIMILAR IS REQUIRED TO MOUNT BOXES, LOAD CENTERS, FUSE QUIPMENT. SHALL BE EQUIPPED WITH	
В	3 C 4	<ul> <li>PROJECT ENGINEER.</li> <li>GOVERNING BUILDING CODE ARI</li> <li>a. IBC (INTERNATIONAL BUILD 2012</li> <li>b. NEC (NATIONAL ENERGY C</li> <li>WORK SHALL BE DONE IN ACCO D.S.H.A. CONSTRUCTION SAFETY</li> <li>CONTRACTORS SHALL MAKE NEG ARRANGEMENTS WITH AUTHORITIE</li> </ul>	E AS FOLLOWS: ING CODE), ODE), 2014 ORDANCE WITH STANDARDS. CESSARY	ADJUSTMENTS AND MODIF WORK INCLUDING RE-RO BY INTERFERENCE WITH S AND WORK OF OTHER TT PROPER EXECUTION OF INSTALLED PRIOR TO COO OTHER TRADES SO AS TO INTERFERENCE WITH THE TRADES SHALL BE CHANU SUCH CONDITION WITHOU THE OWNER AND AT THE PROJECT ENGINEER.	TO MAINTAIN ALL LIS 3. ALL NEMA 3R BOXES WEEP HOLE OR LISTI WATER TO DRAIN. 4. ALL OUTDOOR ENCLO	D BE DONE IN SUCH A WAY AS LISTED RATINGS. XES SHALL BE EQUIPPED WITH A STED DRAIN PLUGS TO ALLOW		
С	5 5 1 - - - - - - - - - - - - - - - - - -	REQUIRED PERMITS. THE ARCHITECT SHALL NOT BE FOR SAFETY AND CONSTRUCTION TECHNIQUES, OR THE FAILURE ( TO CARRY OUT THE WORK IN A WITH THE DRAWINGS OR REQUIF ALL CODES, TRADE STANDARDS, WANUFACTURERS INSTRUCTIONS THE CONTRACT DOCUMENTS SH/ LATEST EDITION.	RESPONSIBLE N PROCEDURES, DF THE BUILDER CCORDANCE RED CODES. AND REFERENCED IN	<ol> <li>PROTECT WORK, MATERIA FROM DAMAGE OR LOSS</li> <li><u>CUTTING AND PATCHING</u></li> <li>CONTRACTORS SHALL DO CUTTING AND PATCHING I PASSAGE OF THEIR WORK</li> <li>PROVIDE SLEEVES AT DU AND CABLE PENETRATION</li> </ol>	DUE TO ANY CAUSE. THE REQUIRED NECESSARY FOR THE C. ICT, PIPE, CONDUIT, S THROUGH THE	FROM DAMAGE AND N BOLLARDS, SHIELDS, ACCEPTABLE MEANS. 6. ALL CIRCUIT BREAKE SUBJECT TO REVERSI	BE ADEQUATELY PROTECTED /ANDALISM BY THE USE OF GUARDS OR OTHER	
D	1.	ERAL CONDITIONS DIMENSIONS AND EXISTING CON APPROXIMATE AND SHALL BE V CONSTRUCTION. ON SITE VERIFIC RESPONSIBILITY OF EACH CONTI CONTRACTORS SHALL INCLUDE ALTERANTIONS, RELOCATION, RE ETC. OF EXISITNG FACILITIES. N IMMEDIATELY IN WRITING OF AN	ERIFIED PRIOR TO CATION IS THE RACTOR. IN THEIR BID ANY MOVAL, REROUTING, OTIFY ARCHITECT V DISCREPANCIES	BUILDING CONSTRUCTION. AS REQUIRED TO MAINTAI PENETRATION RESISTANCE PENETRATION RESISTANCE CONSTRUCTION. 3. CUTTING OF STRUCTURAL PROHIBITED WITHOUT THE APPROVAL OF THE ARCHI ENGINEER. DEFINITIONS AND STANDA	N FIRE RATING, WATER , AND AIR OF THE BUILDING . MEMBERS SHALL BE PRIOR WRITTEN TECT OR STRUCTURAL	AND LABELED BY A TESTING LABORATOR WHERE SUCH LISTIN APPLICATION. 2. PROVIDE DANGER, ' AS REQUIRED BY N ON EQUIPMENT ENC PLATES AND BARRIE		S
E	3.	CONTRACTORS SHALL KEEP AN OF ALL DEVIATIONS BETWEEN TI THE PLANS AND THAT, WHICH I PERFORMED. TURN RECORD DR. ARCHITECT PRIOR TO PROJECT DO NOT SCALE DRAWINGS. USE ON THE DRAWINGS AT ALL TIME OTHERWISE, DIMENSIONS ARE S OF THE BRICK, PLASTER, WOOD FINISH.	HE WORK SHOWN ON S ACTUALLY AWING OVER TO CLOSE-OUT. E DIMENSIONS GIVEN S. UNLESS NOTED HOWN TO THE FACE	<ol> <li>WORK SHALL BE PERFOR TRADESMEN IN THE FIELD REGULARLY PRACTICE.</li> <li>MATERIALS AND EQUIPMEI AND INSTALLED PER THE INSTRUCTIONS.</li> <li>THE TERM PROVIDE?MEAI FURNISH, INSTALL, AND H OPERATIONAL AND IN PLA</li> </ol>	S IN WHICH THEY NT SHALL BE NEW MANUFACTURERS NS TO OOK-UP ITEMS FULLY	ENERGIZED AT OVER PADLOCKABLE CLOS PROVIDING ACCESS ENERGIZED AT OVER FOR REMOVAL OR E 4. WHERE REQUIRED, ANCHORED TO CON PER MANUFACTURER GALAVANIZED STEEL PAD OR WITH 6 INC	ED. REMOVABLE PANELS TO PARTS NORMALLY 8 600V SHALL REQUIRE TOOLS 3E PADLOCKABLE CLOSED.	
F	5.	<ol> <li>DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED ?TYPICAL?OR{TYP]?IMPLY THAT ALL CONDITIONS ARE TREATED SIMILARLY.</li> <li>ALL DRAWINGS SHALL BE FULLY COORDINATED BY THE CONTRACTOR TO VERIFY ALL DIMENSIONS. LOCATE ALL SPECIAL CONDITIONS, SLOPES, DRAINS, OUTLETS, REGLETS, FLASHING, STRUCTURAL FASTENERS, SLEEVES, ETC.</li> </ol>			FT IN OPERATING IPLETELY TEST ALL AND ALTER AS PERATION PRIOR TO KE ALL NECESSARY	WITH GALVANIZED S PREVENT ENTRY OF 6. CAULK ALONG BOTT MOUNTED ON CONC PERIMETERS OF WAI PREVENT WATER EN MOUNTING SURFACE	D EQUIPMENT SHALL BE SEALE TEEL PLATE OR SCREEN TO INSECTS AND RODENTS. TOM PERIMETER OF EQUIPMENT RETE PADS, OR TOP AND SIDE LL-MOUNTED EQUIPMENT, TO TRY BETWEEN ENCLOSURE AND . MIXING OF NON-SHRINK ETE REPAIR PRODUCT SHALL	- -
G		THE CONTRACTOR SHALL MAKE CHANGES WITHOUT THE WRITTEN STRUCTURAL ENGINEER.		PROVISIONS TO PERFORM MANNER WHICH WILL ASSU OPERATION OF THE BUILD CONSTRUCTION SCHEDULE IMPAIRED. THIS SHALL INC LIMITED TO, DELIVERY OF EQUIPMENT, TEMPORARY L ETC.	JRE THAT THE ING AND THE IS MINIMALLY L'UDE, BULT NOT BE SUPPLIES AND	RECOMMENDATION. 7. PROVIDE 12 INCHE DRAINAGE BEDDING BOTTOM CONDUIT E COMPARTMENTS.		

8.	ALL CONDUCTORS SHALL ROUTED TO MAINTAIN
	ACCESS TO INDICATORS, VALVES, SAMPLE PORTS,
	SWITCHES, TAP CHANGES, FUSE WELLS, AND
	OTHER COMPONENTS AND ACCESSORIES REQUIRING
	OPERATOR ACCESS.

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	OP P O D	UST SHORE ROAD NAPERVILLE, IL 60563 COPYRIGHT: WCP SOLAR EXPRESSLY AND OTHER PROPERTY RIGHT IN THESE PLANS. THESE PLANS ARE NOT REPRODUCE, CHANGED OR OPPED IN ANY FORM OR MANINER WHATSOCKER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBEINING THE EXPRESS WEITTEN PERMISSION AND CONSENT OF WCP SO AP	A
	T T R S D T T	SOLAR. THESE DRAWINGS ARE HAVE BEEN REPRODUCED AT A SIZED DIFFERENT THAN ORIGINALLY DRAWN, OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE. DO NOT SCALE DRAWINGS. SYSTEM SIZE: 14.88kW SYSTEM MODEL TYPE: CSUN 310-72P TOTAL NO. PANEL PROJECT NO. 5001UC	В
	-	PROJECT NAME AND ADDRESS: URBANA SOLAR GROUND MOUNT 1210 E. UNIVERSITY AVE. URBANA, IL	С
		PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I MA A DULY LICENSED PROFESSIONAL ENGINEER UNCER THE LAWS OF THE STATE OF ILLINOIS LICENSED STATE NO	D
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A					solar		Single Phase Inverses SE3000A-US/SE3800A-US/SE5 SE7600A-US/SE10000A-US/SE	0000A-US / SE6 11400A-US	000 <b>A</b> -US/		1057 SHORE ROAD NAPERVILLE, IL 60563 COPYRICHT: WCP SOLAR EXPRESSLY AND OI PROPERTY RIGHT IN THESE PLANS. THESE PLANS ARE NOT REPRODUCE, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOE NOR ARE THEY TO BE ASSIGNED TO ANY TH
В	Solar SolarEdge For North An	Single Phase li	nverters	ERTERS	OUTPUT Nominal AC Power Output Max. AC Power Output AC Output Voltage MinN 183 - 208 - 229 Vac AC Output Voltage MinN 211 - 240 - 264 Vac AC Frequency MinNom. Max. Continuous Output	ut 3000 3300 NomMax. <sup>(1)</sup> Max. <sup>(1)</sup>	4150         5400 @ 208V 5450 @240V         6000           -         ✓         -           ✓         ✓         ✓           16         24 @ 208V 21 @ 240V         25	7600 8350 - √ .60.5 32	9980 @ 208V 10000 @240V 10800 @ 208V .10950 @240V	11400A-US 11400 VA 12000 VA - ✓ Hz 47.5 A	PARTY WITHOUT FIRST OBTAINING THE EXPRE WRITTEN PERMISSION AND CONSENT OF WCP SOLAR. THESE DRAWINGS ARE HAVE BEEN REPRODUL AT A SIZED DIFFERENT THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE. DO NOT SCALE DRAWINGS. SYSTEM SIZE: 14.88kW SYSTEM MODEL TYPE: CSUN 310-72P TOTAL NO. PANEL 48
С		3800A-US / SE5000A-US 10000A-US SE11400A-U		NN	Utility Monitoring, Island INPUT Maximum DC Power (STC Transformer-less, Ungrou Max. Input Voltage Nom. DC Input Voltage Max. Input Current <sup>(2)</sup> Max. Input Short Circuit C	ling Protection, Country Con ;) 4050 inded 9.5 Current	1           figurable Thresholds         Yes           5100         6750         8100           Yes         500         785           325 @ 208V / 3         325 @ 208V / 3         18           13         16.5 @ 208V         18           45         45         45	10250 50 @ 240V 23	13500 33 @ 208V 30.5 @ 240V	A Yes 15350 W Vdc Vdc 34.5 Adc Adc	PROJECT NO. 5001UC PROJECT NAME AND ADDRESS: URBANA SOLAR GROUND MOUNT 1210 E. UNIVERSITY AVE. URBANA, IL
D					Nighttime Power Consum ADDITIONAL FEATURE Supported Communication Revenue Grade Data, ANS	etection 97.7 ency 97.7 snption ES Dn Interfaces SI C12.1 014 690.12	< 2.5 R\$485, R\$232, Ethernet	98 97.5 , ZigBee (optional)	97 @ 208V .97.5 @ 240V < 4	98 % 97.5 % W	PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT TO DOCUMENTS WERE PREPARED OR APPROVED BY ME A THAT I AM A DULY LICENSED PREPARED STATE OF ILLINOIS LICENSED STATE NO
E					Safety Grid Connection Standard Emissions INSTALLATION SPECIF AC output conduit size / / DC input conduit size / # AWG range Dimensions with Safety S	ds (ICATIONS AWG range of strings / witch	UL1741, UL1741 SA, UL165 IEEE15 FCC part15 3/4" minimum / 16-6 AWG 3/4" minimum / 1-2 strings / 16-6 AWG 30.5 x 12.5 x 7.2 / 775 x 315 x 184 / 23.2 54.7 / 24.	47 class B	3/4″ minimum / 8 3/4″ minimum / 1-3 14-6 AWG 30.5 x 12.5 x 1	3-3 AWG 3 strings / 	
F	<ul> <li>Specifically designed</li> <li>Integrated arc fault pi</li> <li>Rapid shutdown for N</li> <li>Superior efficiency (9)</li> <li>Small, lightweight and</li> <li>Built-in module-level</li> <li>Internet connection t</li> <li>Outdoor and indoor i</li> <li>Fixed voltage inverter</li> </ul>	8%) d easy to install on provided bracked monitoring hrough Ethernet or Wireless nstallation ; DC/AC conversion only • Switch for faster installation	pliance		Noise MinMax. Operating Tem Range Protection Rating (1) For other regional settings please (2) A higher current source may be to (3) Revenue grade inverter P(N: Stor	nperature	r:SE7600A-US002NNR2).	o +60 version availa	< 50 able <sup>(4)</sup> )	dBA °F / °C	REV         DESCRIPTION         DA                                   01         AS-BUILT         1009         03/10.           DESIGNED BY:         DEW         03/10.         03/10.           REVIEWED BY:         ASAD BAJWA         03/10.           SCALE:         NOT TO SCALE
G	USA - CANADA - GERMANY - ITA	LY - FRANCE - JAPAN - CHINA - AUSTRALIA - THI	IE NETHERLANDS - UK - ISRAEL - TURKEY - SOUTH AF	RICA - BULGARIA WWW.solaredge.us	© SolarEdge Teo are trademarks o	or registered trademarks of SolarEo	SOLAREDGE, the SolarEdge logo, OPTIMIZED BY SOLA ge Technologies, Inc. All other trademarks mentioned l //2017. V.01. Subject to change without notice.	REDGE herein			DRAWING TITLE: VENDOR INFORMATION DRAWING NUMBER: Z-100
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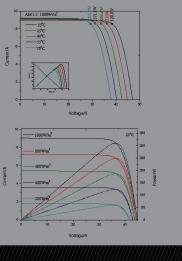
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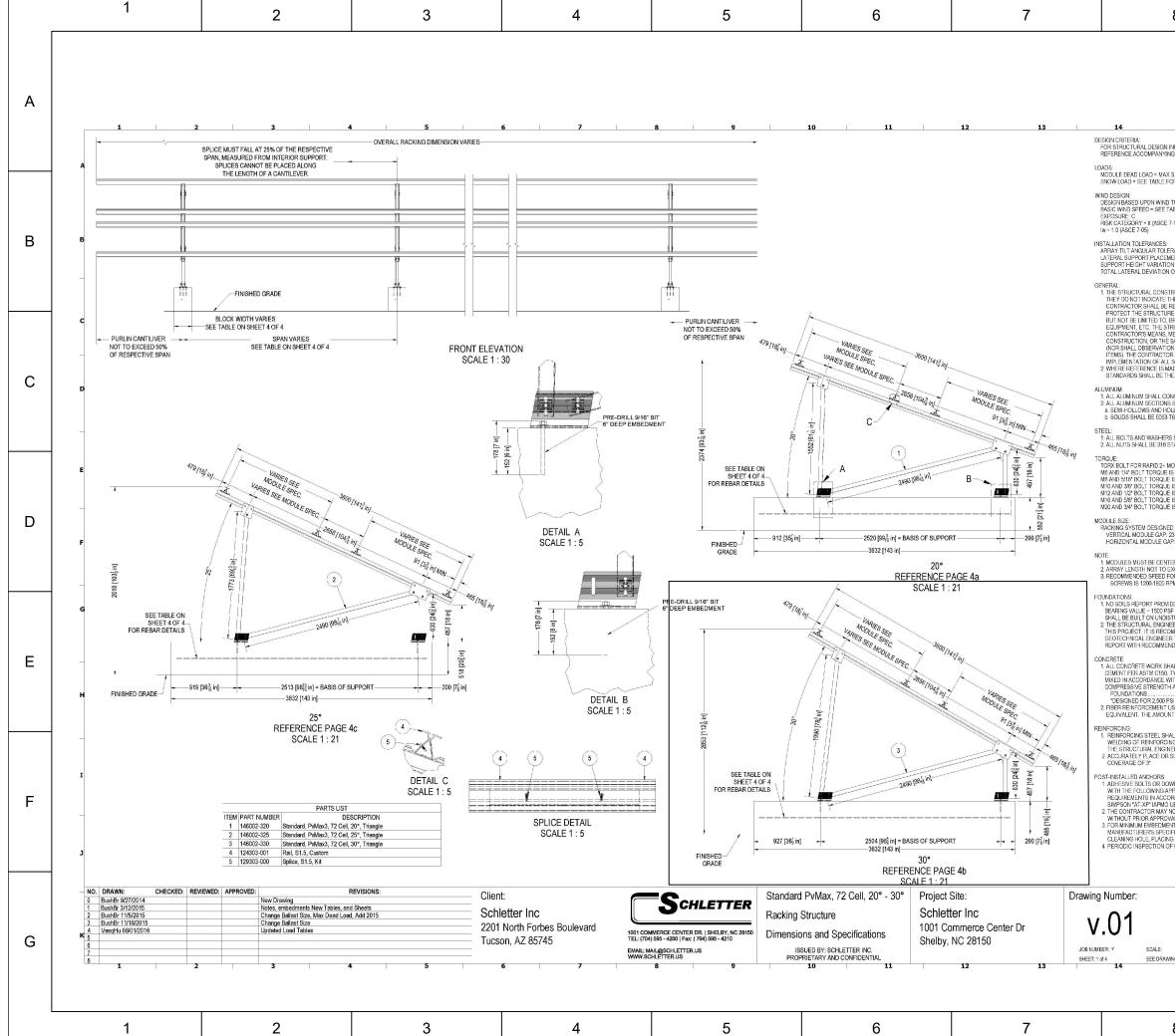
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					solar		DlarEdge Powe odule Add-On for No 00 / P320 / P400 / F	rth America	er	
						P300 (for 60-cell mo	dules) P320 (for high-power	P400 (for 72 & 96-cell	P405 (for thin fill	
					INPUT	•	60-cell modules)	modules)	modules)	
	solare	dae			Rated Input DC Power <sup>(1)</sup>	300	320	400	405	W
				N	Absolute Maximum Inpu (Voc at lowest temperat	ure)	48	80	125	Vdc
$\frac{1}{2}$					MPPT Operating Range		8 - 48	8 - 80	12.5 - 10	5 Vdc
	SolarEdge	<b>Power Optimi</b>	zer 🦊	Σ	Maximum Short Circuit ( Maximum DC Input Curr	Current (Isc) 10 rent 12.5			12.63	Adc Adc
l	•	•			Maximum DC Input Curr Maximum Efficiency			9.5		%
1	Module Add-	On For North Am	ierica	· · · · · · · · · · · · · · · · · · ·	Weighted Efficiency		98	3.8		%
				<u>ل</u> م	Overvoltage Category OUTPUT DURING OPE	RATION (POWER OPTIMIZE	R CONNECTED TO OPERATIN	I G SOLAREDGE INVE	RTER)	
	P300 / P320 /	P400 / P405		0 H	Maximum Output Curre	nt	1			Adc
					Maximum Output Voltag	ge	60		85	Vdc
				<u>с</u>	Safety Output Voltage p		DISCONNECTED FROM SOLAF	EDGE INVERTER OF	R SOLAREDGE INV	
					Optimizer			1		Vdc
				0WE	STANDARD COMPLIAN	ICE	ECC Dout 1E Class D. 1500	1000 6 3 15001000	6.2	
				<	EMC Safety		FCC Part15 Class B, IEC6 IEC62109-1 (class	II safety), UL1741	0-3 	
		2			RoHS		ΥΥ.	es	••••••••••	
					INSTALLATION SPECIFI		10	100		1/14-2
			Power Opp	<b>_</b>	Maximum Allowed Syste Compatible inverters		10 All SolarEdge Single Phase	and Three Phase inve	erters	Vdc
			25 Years		Dimensions (W x L x H)	1	28 x 152 x 27.5 /	128 x 152 x 35 /	128 x 152 x	50 / / in
			Warranty		Weight (including cables		5 x 5.97 x 1.08 630 / 1.4	5 x 5.97 x 1.37 750 / 1.7	5 x 5.97 x 1 845 / 1.9	.96
		Do V	Jazimina		Input Connector		MC4 Co	mpatible		
	1 De Los	111			Output Wire Type / Con	nector	Double Insulated	MC4 Compatible		
					Operating Temperature	Range	0.95/3.0 -40-+85/	I1 -40 - +185	.2/3.3	m / ft °C / °F
					Protection Rating		-40 - +85 / IP68 / N	IEMA6P		
					Relative Humidity	odule of up to +5% power tolerance allowed		100		%
-					PV SYSTEM DESIGN US A SOLAREDGE INVERT	SINGLE	PHASE THREE PH	IASE 208V	THREE PHASE 48	ov
					Minimum String Length (Power Optimizers)			.0	18	
					Maximum String Length		E	e	50	
					(Power Optimizers) Maximum Power per Sti	ring 52	50 60		12750	w
	PV power optimi	zation at the module-le	evel		Parallel Strings of Differe	ent Lengths		es		
	<ul> <li>Up to 25% more energy</li> <li>Superior officiency (00)</li> </ul>	·			or Orientations <sup>(2)</sup> It is not allowed to mix P405 with P					
	<ul> <li>Superior efficiency (99</li> <li>Mitigates all types of n</li> </ul>		nufacturing tolerance to partial shadir	g	TEIS HOU anowed to mix P405 With P	www.recover.commone.sones.				
	•	for maximum space utilization	and a starting colorance to partial silauli	0						
	<ul> <li>Fast installation with a</li> </ul>									
		enance with module-level monito								
	<ul> <li>Module-level voltage s</li> </ul>	hutdown for installer and firefight	ter safety		CE 🤅					
						and the second sec				
	USA - CANADA - GERMANY - ITALY	- FRANCE - JAPAN - CHINA - AUSTRALIA - TH	E NETHERLANDS - UK - ISRAEL - TURKEY - SOUTH /	AFRICA - BULGARIA www.solaredge.us	© SolarEdge Tec	hnologies, Inc. All rights reserved. SOLA	REDGE, the SolarEdge logo, OPTIMIZED BY :	SOLAREDGE		
					are trademarks o	or registered trademarks of SolarEdge Teo ir respective owners. Date: 01/2017 V(	hnologies, Inc. All other trademarks mentic	ned herein are		
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REV         DESCRIPTION         DATE                                                   01         AS-BUILT         10/05/17           DESIGNED BY.         DEW         03/10/17           REVIEWED BY.         Ken Vojtik         03/10/17           SCALE:         NOT TO SCALE	С
01         AS-BUILT         10/05/17           DESIGNED BY.         DEW         03/10/17           DRAWNED BY.         Ken Vojtik         03/10/17           REVIEWED BY.         Asad Bajwa         03/10/17           SCALE:         NOT TO SCALE	D
01         AS-BUILT         10/05/17           DESIGNED BY:         DEW         03/10/17           DRAWNED BY:         Ken Vojlik         03/10/17           REVIEWED BY:         Asad Bajwa         03/10/17           SCALE:         NOT TO SCALE	E
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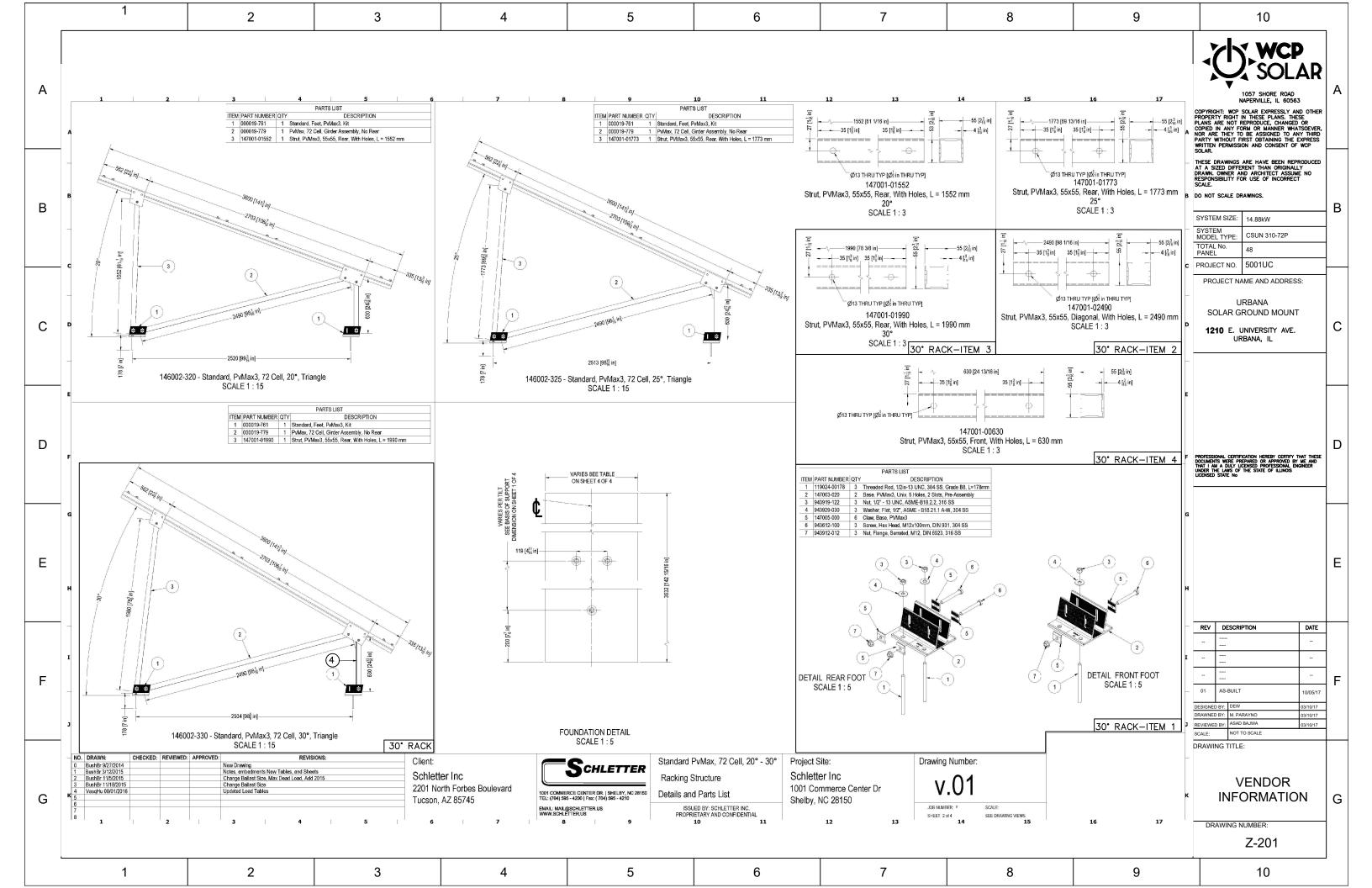
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				I		®	Electrica	l characteristics at St	andard Test Conditions	(STC)	·	
	Α					UN	Module		JN 310-72P CSUN 305-72P	CSUN 300-72P	CSUN 295-72P	CSUN 290-72P
					energy fo	r today		wer - Pmpp (W) 31		300	295	290
							Positive powe	er tolerance 0~	3% 0~3%	0~3%	0~3%	0~3%
		Poly					-	Voltage - Voc (V) 44		44.5	44.4	44.3
F		FOIY						Current - Isc (A) 9.0		8.91	8.83	8.75
								wer Voltage - Vmpp (V) 36		35.8	35.7	35.6
								wer Current - Impp (A) 8.4	8 8.50 01% 15.75%	8.37 15.49%	8.26 15.23%	8.15 14.98%
				and state over state were	CCUNIDIO 7	20	Module effici	,	ce 1000W /m²; AM 1.5; cell temperature 25°C me			
	_				<b>CSUN310-7</b>	ZP	and UL 1703	ites to standard test conditions (one), in adia	ee rooow in film is feel temperature 20 eme	samy area ranky or power is	within 15 %. Get finde in acco	dance with reconzilo, reconsioning
	В				High-efficiency poly modu	0	Flectrica	Characteristics at N	ormal Operating Cell Te	mperature (NC	OCT)	
		5			riigh enciency poly modu	C				-		CCUN 200 720
		PowerGuard					Module		JN 310-72P         CSUN 305-72P           3         225	CSUN 300-72P 220	CSUN 295-72P 217	<b>CSUN 290-72P</b> 213
		SPECIALTY INSURANCE SERVICES			<b>TN</b>			wer - Pmpp (W) 22 wer Voltage - Vmpp (V) 33		32.9	32.5	32.3
					Ratah			wer Current - Impp (A) 6.8		6.71	6.67	6.59
		Powerguard insu	urance					Voltage - Voc (V) 41		41.1	41.0	40.8
		global coverage		CSUN310-72	P CSUN295-72P			Current - Isc (A) 7.2		7.19	7.01	6.95
		giobal coverage		CSUN305-72	2P CSUN290-72P			AND STREET AND AND ADDRESS AND ADDRESS AND ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDR	CT): irradiance 800W /m²; wind speed 1 m/s ; cell to			ertainty of power is within±3%.
	с	Within the first year, the output po than 97% of the minimum output product datasheet, thereafter the	power in CSUN's	CSUN300-72	2.P			ature Characteristics		Aaximum Ratin	-	
		shall not exceed 0.7% per year, en								aximum system voltage	e (V)	1000
		25 <sup>th</sup> year.		10 010/	Innovative cell and module	technology				eries fuse rating (A)		20
				16.01%	for highest efficiency		Power Tempe	erature Coefficient -0.	408%/K R	everse current overload	1 (A)	27
		CSUN 📕 Standard warr	ranty	Module efficiency	Positive tolerance offer		Machani	ical Characteristics				
				210 14/			Dimensions		56 × 990 × 50 mm			
				310 W	Unique 5 busbar design imp reliability of module perform	nance	Weight		.8 kg			
		CSUN's ${\sf NEW}$ linear performan		Highest power output			Frame Front glass	2000	odized aluminum profile nite toughened safety glass, 3.2 mm			
	D	Additional value from CSU			Certified to withstand wind	(2400 Pa) and	Cell Encapsul		A (Ethylene-Vinyl-Acetate)			
		97% - Shal Value from CSU	N/c /·	10	snow load (5400 Pa)		Back Sheet		mposite film			
		90% -	ws linear warranty	<b>10</b> years			Cells		< 12 pieces polycrystalline solar cells se	eries strings (156 mm × 1	56 mm)	
		80% -	<u> </u>	Material & workmanship	Resistance to salt mist & am corrosion, blowing sand and		Junction Box		ted current ≥ 12A, IP ≥ 65, TUV & UL	· · ·		
		Number of some finance 10 second	20.000	warranty			Cable	Le	ngth 900 mm, 1 × 4 mm²			
F		Number of years 5 years 10 years 15 years	s zo years zo years		Excellent performance unde conditions	er low light	Connector	M	C 4/ compatible with MC 4			
				<b>25</b> years	conditions		Packagii	20	c	ystem Design		
				Linear power output	Good temperature coefficie	nt for better	Таскауп	iy		ystem Design		
			XXV	warranty	output in high temperature		Container 20				40°C to + 85°C	
	Е			(in a first second seco	<u> </u>		Container 40		·			n with 23m/s impact speed
							Container 40	<b>'HC</b> 51			now 5400 Pa, wind 24	00 Pa
										oplication class A afety class II		
				• CSUN, established in 2004, is a high-tech c	orporation with its care business in R&D					alety class in		
				manufacturing and sale of high-efficiency			Dimensi	one			<b>IV-Curves</b>	
F				······							TV-Curves	
				<ul> <li>As one of the leading PV enterprises in the</li> </ul>	world, CSUN has delivered more than 10	GW	Note: mm (inch)			A-A	10 AM 1.5 1000W/m <sup>2</sup>	WLIC W2000 W2000 W2000
				solar products to residential, commercial, u	utility and off-grid projects all around the	world.		8×8 (0.31 × 0.31) Drainage holes 4 pisces	Junction box	18 (0.43)	a18*C 25*C 46*C	og a g g
								11-14 Distinguishes			≤ 6	
				<ul> <li>Through strict selection of raw materials, s</li> </ul>				14 x 9 (0.55 x 0.35) Mounting slots 8 pibles		0(1.97)	Currant.	
	F			of the art facilities in Istanbul, Nanjing and	- ,	to higher		8 phoes				
				efficiency, more stable and better cost per	formance products.					35(1.38)		
							(86)	Ø 6 (0.74)	62:00		a 1a 2a	
							95 GL	Ø 6 (0.24) Ground holes 2 places	1176	В	Votage	,
Ļ										9 (0.35)	10 1000W/m <sup>2</sup>	25°C - 350
						HERE FOR				4 63 28	6 800'W/m <sup>2</sup>	- 300
	I			URRATAH <sup>®</sup> is the trade mark owned by CSUN. It	r's the brand name of polycrystalline					14 0.0	5 6	200 3
			( в A)в т	solar modules produced by CSUN.					₽ <u></u> ₽	<del> /!</del>	4000W/m²	- 180 Jan
		US TWINGARD		All information and data are subject to change without	notice.			990 (38.96)	940 (37)		2 - 200794	100
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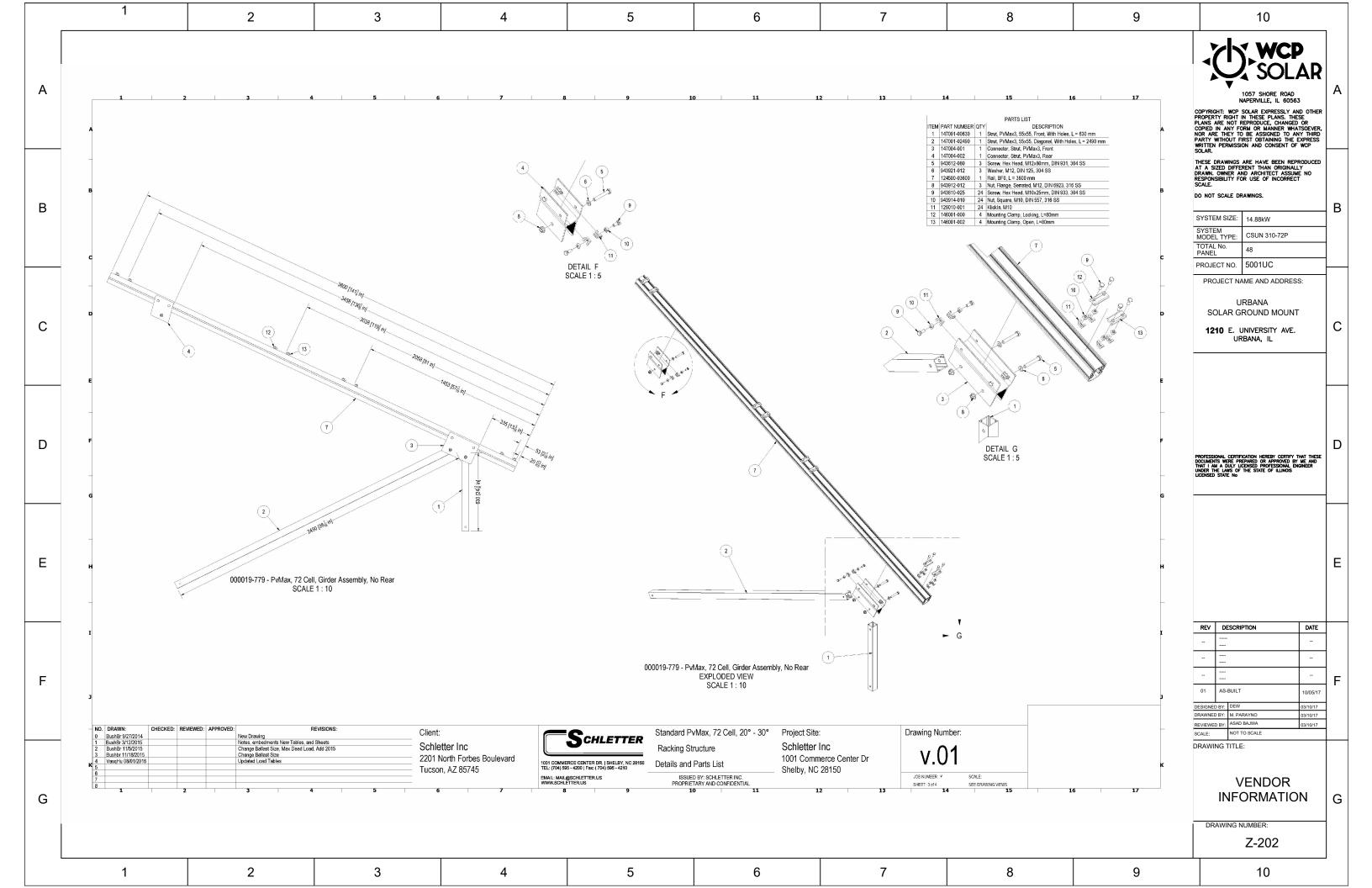


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SOLAR G	URBANA SOLAR GROUND MOUNT <b>1210</b> E. UNIVERSITY AVE. URBANA, IL					
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DESIGNED BY: DEW		03/10/17				
	RAYNO	03/10/17				
SCALE: NOT	TO SCALE	03/10/17				
DRAWING TITLE: VENDOR INFORMATION DRAWING NUMBER: Z-120						
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15 I FORMATION AND APPLICABLE G LETTER OF ACCEPTANCE AN	16 17 BUILDING CODES, D CALCULATIONS.	NO NO	N COPYRIGHT: WCP ROPERTY RIGHT I LANS ARE NOT F OPIED IN ANY FO DR ARE THEY TO ARTY WITHOUT FI	1057 SHORE ROAD LAPERVILLE, IL 6056 SOLAR EXPRESSLY A IN THESE PLANS. THE PERVOUCE, CHANGEI PRM OR MANNER WH) DE ASSIGNED TO A IRST OBTAINING THE OR AND CONSENT OF M AND CONSENT OF	ND OTHER SE OR TSOEVER, NY THIRD EXPRESS	A	
TUNNEL TEST REPORT # RC 11 (BLE FOR SPECIFIC WIND SPEE -10) TANCE ±1.0° ENTIS ±2.5° TO LERANCE IS ±0.5° OF SUPPORTS WITHIN AN ARR. RUCTION DOCUMENTS REPRE: HE METHOD OR SEQUENCE OF EMOTION DOCUMENTS REPRE:	D SEISMIC LOADS: SEISMIC DESIGN CATEGORY: E SOLD SITE CLASS = D Sds = 1.87 SD1 = 1.0 le = 1.0 SS = 25 S1 = 1.0 R = 1.25 VY IS ±25' SENT THE FINISHED STRUCTURE. CONSTRUCTION THE EALL MEASURES NECESSARY TO	B S S B S S C S S C S S S S S S S S S S	T A SIZED DIFFE RAWN, OWNER AI ESPONSIBILITY FO CALE. D NOT SCALE DF SYSTEM SIZE: SYSTEM MODEL TYPE: OTAL NO. PANEL	ARE HAVE BEEN REF RENT THAN ORIGINAL ND ARCHITECT ASSUM DR USE OF INCORREC RAWINGS. 14.88kW CSUN 310-72P 48 5001UC	RODUCED LY IE NO T	В	
E DURING CONSTRUCTION. SU IRACING, SHORING FOR LOADS RUCTURAL ENGINEER SHALL N IETHODS, TECHNIQUES, SEQUI	CH MEASURES SHALL INCLUDE, DUE TO CONSTRUCTION OT BE RESPONSIBLE FOR THE EPROGRAMS INCIDENT THERE TO INSPECTION OF THESE THE DESIGN AND HORING RDS FOR MATERIALS SUCH ENDA. INUM DESIGN HANDBOOK. A-T6, OR 6005-T5 EL CLASS 2 (A2-70).	с — 	U SOLAR G <b>1210</b> E. U	AME AND ADDRES RBANA ROUND MOUN <sup>-</sup> JNIVERSITY AVE. BANA, IL		С	
DOULE CLAMPS IS 14 N-M (10.5 6 N-M (4.5 FT-LBS) IS 14 N-M (10.5 FT-LBS) IS 30 N-M (23 FT-LBS) IS 30 N-M (23 FT-LBS) IS 30 N-M (23 FT-LBS) IS 21 N-M (36 FT-LBS) IS 24 N-M (180 FT-LBS) D FOR MODULE SIZE MINIMUM 3 mm MAXIMUN 2.5 mm ERED ON ARRAY WIS	= 1900 X 970  = 2000 X 1050	F DX U	Rofessional, Certifi Ccuments Were Pr 471 Jan A Duly D Der The Laws of Censed State No	ication Hereby Certify Epared or Approved B Censed Professiona, e The State of Illinois	THAT THESE I ME AND GINEER	D	
DED. FOUNDATION DESIGN IS B FER IRC TABLE 1804 2 (2003) TURBED SOIL OR COMPACTED ER IS NOT RESPONSIBLE FOR MIRHDED THAT THE OWNER HO TO CONDUCT A GEOTECHNIC DATIONS FOR FOUNDATION AF ALL CONFORM WITH THE REQL TYPE II. AGGREGATE PER ASTI TH ASTM C94 AND SHALL BE D AS FOLLOWS:	2003, & 1062 2 (2009, 2012, 2015), BALLAST ELOCKS FILL MATERIA NOT LESS THAN 12 'I N DEPTH. ANY GEOTECHNICAL ASPECTS OF ETAIN A REGISTERED AL INVESTIGATION AND PREPARE A ID EARTHWORK PROCEDURES. IREMENTS OF ACI 301 AND ACI 318. IC33 CONCRETE SHALL BE READY ESGNED FOR A MINIMUM 28 DAY 3000 PSI* ASF MASTERFIBER MAC 100 CR	G				E	
IS BARS ALLOWED WITHOUT P EER LATEST ACL CODE AND D SUPPORT ALL REINFORCING TO VELS SHALL BE A THREADED R PROVED PRODUCT SATISFYIN PROVED PRODUCT SATISFYIN PROMOCE WITH ACI 318, APPENL JES ER-263 OT USE SUBSTITUTES FOR AD AL OF THE STRUCTURAL ENGT	) HAVE A CLEAR CONCRETE DD OR REINFORCING STEEL INSTALLED G CRACKED CONCRETE IX D. HESIVE ANCHORS HERR. LI ALL BOLTS AS OUTLINED IN SIZE AND TYPE OF BRILL. D TIGHTENING BOLT.	I DE DF	EVIEWED BY: ASAD		DATE                 10/05/17           03/10/17           03/10/17           03/10/17	F	
NG VIEWS 15	16 17	K		'ENDOR ORMATIC	N	G	
8	9			10			





	1	2	3	4	5	6	7	8
Δ	1         2           Slope Factor By Tilk Tilk         C5           A         15°         1.00           Jarr         0.91	3 4	- 5   6	ASCE 7-05 IT CONVECTION REAR CONVECTION	BALLASTI #OF	0   11   ASCE 7-05 W/ SEISMIC DE	12   13   SIGN	1415
B	<u>25'</u> 0.82 30' 0.73 35' 0.64		WIND         SNOW         SNOW         SNAN         TENSIGN/TC           0         PSF         0.00         PSF         12.00         FT         0.09         KIP           10         PSF         5.00         PSF         12.00         FT         0.09         KIP           20         PSF         11.00         PSF         12.00         FT         0.09         KIP           20         PSF         11.00         PSF         10.00         FU         0.00         KIP           40         PSF         12.99         PSF         10.00         FU         0.00         KIP           60         PSF         21.99         PSF         10.05         FT         0.05         KIP           90         PSF         0.00         PSF         11.25         FT         0.05         KIP           10         PSF         5.00         PSF         11.00         PSF         11.00         FT         10.3         KIP           20         PSF         11.00         PSF         11.00         PSF         10.05         FT         10.3         KIP           20         PSF         10.00         PSF         10.05	MMPRESSION         SHEAR         TENSION         COMPRESSION         SHEAR         TENSION         COMPRESSION         SHEAR         TENSION         COMPRESSION         SHEAR         TENSION         COMPRESSION         SHEAR         TENSION         TENSION         TENSION         TENSI	WDTH         REBAR         TILT         WIND         SNC           31 IN         (2) #5         0 PT         0 PT           30 IN         (2) #5         0 PT         0 PT           30 IN         (2) #5         0 PT         0 PT           20 IN         (2) #5         0 PT         0 PT           20 IN         (2) #5         0 PT         0 PT           20 IN         (1) #5         50 PT         0 PT           33 IN         (2) #5         0 PT         0 PT           33 IN         (2) #5         0 PT         0 PT           33 IN         (2) #5         0 PT         0 PT           2 AIN         (2) #5         0 PT         0 PT           3 AIN         (2) #5         0 PT         0 PT           3 AIN         (2) #5         0 PT         0 PT	With show         SPAN         TENSION COMPRESSION SHE           9         0.00 PSF         11.50 FT         0.09 KP         2.53 KIP         0.49           SF         5.00 PSF         11.50 FT         0.09 KIP         2.53 KIP         0.49           SF         5.00 PSF         11.50 FT         0.09 KIP         2.80 KIP         0.49           SF         11.00 PSI         10.09 KIP         2.80 KIP         0.49           SF         12.00 PSI         17.00 KIP         3.28 KIP         0.49           SF         12.00 PSI         17.00 KIP         3.26 KIP         0.49           SF         27.49 PSF         5.75 FT         0.42 KIP         2.51 KIP         0.67           SF         27.49 PSF         2.55 FT         0.50 KIP         2.69 KIP         0.71           SF         5.00 PSF         11.25 FT         0.13 KIP         2.98 KIP         0.48           SF         11.00 PSF         10.75 FT         0.12 KIP         3.18 KIP         0.48           SF         16.49 PSF         10.00 FT         0.12 KIP         3.18 KIP         0.44           SF         14.00 PSF         10.02 FT         0.14 KIP         3.73 KIP         0.44           SF <th>AR         TENSION         COMPRESSION         SHEAR         WIDTH         REBAR           KIP         5.91 K/P         4.23 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.23 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.75 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.78 K/P         3.20 K/P         20 N         (2) #5           KIP         5.91 K/P         4.39 K/P         3.20 K/P         20 N         (2) #5           KIP         5.81 K/P         2.91 K/P         1.40 K/P         24 N         (2) #5           KIP         2.91 K/P         1.40 K/P         24 N         (2) #5         (2) #5           KIP         6.20 K/P         4.85 K/P         4.06 K/P         31 N         (2) #5           KIP         6.20 K/P         4.85 K/P         4.06 K/P         31 N         (2) #5           KIP         6.20 K/P         4.85 K/P         3.06 K/P         29 N         (2) #5           KIP         6.20 K/P         4.85 K/P         3.06 K/P         29 N         (2) #5           KIP         5.16 K/P         2.91 K/P<th></th></th>	AR         TENSION         COMPRESSION         SHEAR         WIDTH         REBAR           KIP         5.91 K/P         4.23 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.23 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.75 K/P         3.70 K/P         30 N         (2) #5           KIP         5.91 K/P         4.78 K/P         3.20 K/P         20 N         (2) #5           KIP         5.91 K/P         4.39 K/P         3.20 K/P         20 N         (2) #5           KIP         5.81 K/P         2.91 K/P         1.40 K/P         24 N         (2) #5           KIP         2.91 K/P         1.40 K/P         24 N         (2) #5         (2) #5           KIP         6.20 K/P         4.85 K/P         4.06 K/P         31 N         (2) #5           KIP         6.20 K/P         4.85 K/P         4.06 K/P         31 N         (2) #5           KIP         6.20 K/P         4.85 K/P         3.06 K/P         29 N         (2) #5           KIP         6.20 K/P         4.85 K/P         3.06 K/P         29 N         (2) #5           KIP         5.16 K/P         2.91 K/P <th></th>	
С	C - - -	30°	40 PSF 21 99 PSF 8.50 PT 0.16 KIP 50 PSF 27.40 PSF 7.75 FT 0.14 KIP 00 PSF 23.299 PSF 7.25 FT 0.14 KIP 10 PSF 5.00 PSF 8.00 FT 0.21 KIP 10 PSF 5.05 PSF 8.00 FT 0.21 KIP 20 PSF 11.00 PSF 8.00 FT 0.21 KIP 20 PSF 11.00 PSF 8.00 FT 0.21 KIP 40 PSF 21.99 PSF 7.55 FT 0.20 KIP 50 PSF 27.49 PSF 7.55 FT 0.20 KIP 60 PSF 32.99 PSF 7.55 FT 0.20 KIP 10 PSF 5.00 PSF 6.75 FT 0.24 KIP 10 PSF 5.50 PSF 6.75 FT 0.24 KIP 50 PSF 16.49 PSF 6.57 FT 0.24 KIP 50 PSF 12.49 PSF 6.50 FT 0.24 KIP 50 PSF 27.49 PSF 6.50 FT 0.24 KIP 50 PSF 27.49 PSF 6.50 FT 0.24 KIP 50 PSF 27.49 PSF 6.50 FT 0.24 KIP 50 PSF 32.99 PSF 6.50 FT 0.24 KIP 50 PSF 30.00 PSF 6.00 FT 0.24 KIP 50 PSF 30.00 PSF 50.00 FT 0.24 KIP 50 PSF 30.00 PSF 50.	4.01 KIP         0.02 KIP         6.03 KIP         4.94 KIP         3.74 KIR           4.25 KIP         0.02 KIP         5.09 KIP         4.97 KIP         3.39 KIR           4.25 KIP         0.02 KIP         5.09 KIP         5.16 KIR         3.15 KIR           2.68 KIP         0.00 KIP         6.88 KIP         4.90 KIP         4.25 KIR           3.07 KIP         0.00 KIP         6.88 KIP         4.90 KIP         4.25 KIR           3.07 KIP         0.01 KIP         6.88 KIP         4.90 KIP         4.25 KIR           3.07 KIP         0.01 KIP         6.88 KIP         4.90 KIP         4.25 KIR           3.73 KIP         0.01 KIP         6.84 KIP         5.01 KIP         3.96 KIR           4.30 KIP         0.02 KIP         6.42 KIP         5.16 KIR         3.96 KIR           4.33 KIP         0.02 KIP         6.42 KIP         5.18 KIP         3.98 KIR           4.38 KIP         0.00 KIP         6.64 KIP         4.51 KIP         4.20 KIR           2.79 KIP         0.01 KIP         6.64 KIP         4.58 KIP         4.20 KIR           2.79 KIP         0.01 KIP         6.64 KIP         4.58 KIP         4.20 KIR           3.51 KIP         0.01 KIP         6.54 KIP         4.51 KIP	2         31 N         (2) #5         40 P           28 N         (2) #5         50 P         50 P           28 N         (2) #5         30°         60 P           35 N         (2) #5         30°         0°           35 N         (2) #5         10 P         20 P           35 N         (2) #5         10 P         30 N         20 P           35 N         (2) #5         50 P         30 N         20 P           35 N         (2) #5         50 P         30 N         20 P           33 N         (2) #5         50 P         60 P           30 N         (2) #5         50 P         60 P           30 N         (2) #5         50 P         60 P           36 N         (3) #5         0 P         20 P           36 N         (3) #5         0 P         20 P           36 N         (3) #5         50 P         50 P           35 N         (2) #5         50 P         50 P           36 N         (3) #5         60 P         50 P           38 N         (3) #5         60 P         50 P	SF         21.99         PSF         57.57         0.42         KIP         2.70         KIP         0.67           SF         27.49         PSF         5.25         FT         0.50         KIP         2.86         KIP         0.71           SF         27.49         PSF         4.75         FT         0.50         KIP         2.86         KIP         0.71           SF         20.00         PSF         4.75         FT         0.59         KIP         2.83         KIP         0.73           SF         5.00         PSF         8.00         FT         0.21         KIP         2.88         KIP         0.36           SF         16.049         PSF         7.75         FT         0.21         KIP         3.26         KIP         0.35           SF         12.49         PSF         5.75         T         0.42         KIP         2.46         KIP         0.35           SF         2.29         PSF         5.75         T         0.42         KIP         2.39         KIP         0.31           SF         0.00         PSF         6.75         T         0.24         KIP         2.30         KIP	KIP         3.33 KIP         3.21 KIP         2.43 KIP         2.43 KIP         2.41 KIP         2.43 KIP         2.41 KIP         2.24 KIP         2.21 KIP         3.51 KIP	
C	E 		20 PSF         1100 PSF         600 PT         0.28 K/P           130 MPH         30 PSF         164 0PSF         600 PT         0.28 K/P           50 PSF         27.49 PSF         600 PT         0.28 K/P           50 PSF         27.49 PSF         600 PT         0.28 K/P           60 PSF         32.99 PSF         5.75 FT         0.27 K/P           MAX         GRCUND         ROOF         MAX         FROM           WND         SNOW         SNOW         SPAN         TENSION           UN 0         PSF         0.09 PSF         11.75 FT         0.11 K/P           10 PSF         5.50 PSF         11.75 FT         0.11 K/P         10 PSF         11.05 PSF         10.00 PT         0.09 K/P           10 PSF         11.00 PSF         11.25 FT         10.00 FT         0.09 K/P         10 PSF         10.00 FT         0.00 K/P           10 PSF         21.99 PSF         9.00 FT         0.00 FT         0.00 K/P         0.09 K/P         0.07 K/P         0.07 K/P         0.05 SR         0.07 SR         0.07 K/P         0.07 SR	MPRESSION         SHEAR         TENSION         COMPRESSION         SHEAR           2.68 KIP         0.01 KIP         6.33 KIP         4.51 KIP         3.97 KIF           2.66 KIP         0.01 KIP         6.33 KIP         4.51 KIP         3.97 KIF           3.26 KIP         0.01 KIP         6.33 KIP         4.51 KIP         3.97 KIF           3.26 KIP         0.02 KIP         6.06 KIP         4.85 KIP         3.75 KIF           3.66 KIP         0.02 KIP         5.36 KIP         4.54 KIP         3.35 KIF           3.99 KIP         0.02 KIP         4.50 KIP         4.65 KIP         3.00 KIF           4.41 KIP         0.03 KIP         4.52 KIP         5.03 KIP         2.35 KIE           4.62 KIP         0.03 KIP         4.52 KIP         5.14 KIP         2.56 KIP           4.75 KIP         0.01 KIP         6.44 KIP         4.65 KIP         4.56 KIP	38 N         (3) #5           8 N         (3) #5           8 N         (3) #5           9 N         (3) #5           10 N/PH         (3) #5           11 N         (2) #5           10 P         (3) P           20 N         (1) #5           22 N         (1) #5           22 N         (1) #5           20 N         (1) #5           20 N         (1) #5	ASCE 7-10 W/ SEISMIC DE           ND         ROOF         MAX         FRONT CONNECTION           W         SNOW         SPAN         FRONT CONNECTION           F0.000 FS         11.50 FT         IO.11 KIP         2.52 KIP         0.49           SF         0.50 PSF         11.50 FT         IO.11 KIP         2.22 KIP         0.49           SF         10.00 PSF         11.25 FT         IO.11 KIP         2.22 KIP         0.48           SF         16.49 PSF         10.00 FT         0.04 KIP         3.26 KIP         0.44           SF         15.49 PSF         10.42 KIP         2.54 KIP         0.67           SF         27.49 PSF         5.25 FT         0.60 KIP         2.17 KIP         0.11           SF         2.09 PSF         4.75 FT         0.60 KIP         2.71 KIP         0.11           SF         0.00 PSF         1.72 SFT         0.60 KIP         2.71 KIP         0.71           SF         0.00 PSF         1.72 SFT         0.60 KIP         2.71 KIP         0.71           SF         0.00 PSF         1.72 SFT         0.60 KIP         2.80 KIP         0.48	KIP         7.06 KIP         4.86 K/P         4.32 K/P         38 N         (3) #5           KIP         6.06 K/P         4.32 K/P         38 N         (3) #5           KIP         6.73 K/P         4.90 K/P         4.11 K/P         36 N         (3) #5           KIP         6.73 K/P         4.90 K/P         4.11 K/P         36 N         (3) #5           KIP         6.77 K/P         4.52 K/P         3.69 K/P         30 N         (2) #5           SIGN         Sage         7.7 K/P         30 N         (2) #5           R         TENSION         COMPRESSION         SHALAST         # 0           R         TENSION         COMPRESSION         SHAR         WIDTH         REBAR           KIP         6.19 K/P         4.69 K/P         3.88 K/P         30 N         (2) #5           KIP         6.19 K/P         4.69 K/P         3.88 K/P         30 N         (2) #5           KIP         6.19 K/P         4.69 K/P         3.88 K/P         30 N         (2) #5           KIP         6.05 K/P         2.48 K/P         3.35 K/P         2.40 K/P         (3) K/P           KIP         2.65 K/P         2.84 K/P         2.38 K/P         30 N         (2) #5	
E	G — Н	30°	20 PSF 11 00 PSF 10.50 FT 0.12 KIP 115 MPH 30 PSF 1640 PSF 10.00 FT 0.12 KIP 40 PSF 1640 PSF 9.00 FT 0.10 KIP 50 PSF 21.99 PSF 9.00 FT 0.10 KIP 60 PSF 32.99 PSF 7.50 FT 0.08 KIP 10 PSF 5.50 PSF 9.25 FT 0.08 KIP 20 PSF 11.00 PSF 9.25 FT 0.19 KIP 20 PSF 11.00 PSF 8.50 FT 0.17 KIP 40 PSF 21.99 PSF 8.25 FT 0.17 KIP 50 PSF 22.99 PSF 8.25 FT 0.17 KIP 50 PSF 22.99 PSF 8.25 FT 0.17 KIP 50 PSF 22.99 PSF 8.25 FT 0.17 KIP 60 PSF 23.99 PSF 7.05 FT 0.14 KIP 10 PSF 550 PSF 7.05 FT 0.14 KIP 10 PSF 550 PSF 7.05 FT 0.14 KIP 20 PSF 10.00 PSF 8.00 FT 0.22 KIP 10 PSF 550 PSF 8.00 FT 0.22 KIP 140 MPH 30 PSF 1649 PSF 7.55 FT 0.21 KIP 40 PSF 21.99 PSF 7.55 FT 0.21 KIP	3.13 KIP         0.02 KIP         6.18 KIP         4.65 KIP         3.86 KIP           3.75 KIP         0.02 KIP         5.86 KIP         4.80 KIP         3.37 KIP           4.06 KIP         0.02 KIP         5.86 KIP         4.80 KIP         3.28 KIP           4.35 KIP         0.03 KIP         4.80 KIP         5.00 KIP         2.39 KIP           4.35 KIP         0.02 KIP         5.83 KIP         4.70 KIP         2.39 KIP           4.75 KIP         0.00 KIP         6.38 KIP         4.75 KIP         4.33 KIP           3.00 KIP         0.01 KIP         6.98 KIP         4.97 KIP         4.33 KIP           3.04 KIP         0.01 KIP         6.98 KIP         4.98 KIP         4.33 KIP           3.04 KIP         0.01 KIP         6.98 KIP         4.98 KIP         4.33 KIP           3.04 KIP         0.02 KIP         6.38 KIP         4.98 KIP         4.38 KIP           3.42 KIP         0.02 KIP         6.18 KIP         4.98 KIP         3.96 KIP           3.43 KIF         0.02 KIP         5.18 KIP         5.05 KIP         3.58 KIF           4.30 KIP         0.02 KIP         5.78 KIP         5.05 KIP         3.20 KIP           2.71 KIP         0.00 KIP         6.97 KIP         5.05 KIP	30 N         (2) #5         29 N         (2) #5           22 N         (2) #5         50 P         30 P           22 N         (2) #5         50 P         60 P           34 N         (2) #5         0 P         20 P           33 N         (2) #5         0 P         10 P           30 N         (2) #5         0 P         20 P           34 N         (2) #5         0 P         20 P           30 N         (2) #5         0 P         20 P           34 N         (2) #5         30°         0 P           29 N         (2) #5         30°         0 P           34 N         (2) #5         10 P         30 P           33 N         (2) #5         40 P         40 P	SF         16.49 PSF         10.00 FT         0.12 KIP         3.75 KIP         0.44           SF         12.99 PSF         5.75 FT         0.42 KIP         2.58 KIP         0.71           SF         27.49 PSF         5.25 FT         0.50 KIP         2.75 KIP         0.71           SF         32.49 PSF         5.25 FT         0.19 KIP         2.47 KIP         0.40           SF         0.00 PSF         9.25 FT         0.19 KIP         2.77 KIP         0.40           SF         0.50 PSF         9.25 FT         0.19 KIP         2.77 KIP         0.40           SF         15.00 PSF         8.75 FT         0.18 KIP         3.00 KIP         0.40           SF         16.49 PSF         8.75 FT         0.18 KIP         3.00 KIP         0.40           SF         16.49 PSF         8.75 FT         0.18 KIP         3.41 KIP         0.30           SF         12.19 PSF         5.75 FT         0.42 KIP         2.41 KIP         0.73           SF         2.49 PSF         2.57 FT         0.50 KIP         2.89 KIP         0.71           SF         2.54 PSF         3.05 KIP         2.80 KIP         0.36         SF         5.60 PSF         3.00 FT         3.22 KIP	KIPI         6.18 KIP         4.85 KIP         3.86 KIP         3.08 KIP         3.01 KIP         (2) #5           KIPI         3.23 KIP         2.01 KIP <th></th>	
F	I - J		60 PSF 32 99 PSF 675 FT 0.18 KP 0 PSF 000 PSF 700 FT 0.24 KP 10 PSF 5.50 PSF 700 FT 0.24 KP 20 PSF 11.00 PSF 700 FT 0.24 KP 20 PSF 11.00 PSF 700 FT 0.24 KP 40 PSF 21.99 PSF 7.00 FT 0.24 KP 50 PSF 32.99 PSF 6.75 FT 0.24 KP 60 PSF 32.99 PSF 6.75 FT 0.23 KP 0 PSF 0.00 PSF 6.25 FT 0.27 KP 10 PSF 5.05 PSF 6.25 FT 0.27 KP 20 PSF 10.09 PSF 6.25 FT 0.27 KP 20 PSF 10.09 PSF 6.25 FT 0.27 KP 20 PSF 10.09 PSF 6.25 FT 0.27 KP 40 PSF 21.99 PSF 6.25 FT 0.27 KP 20 PSF 12.99 PSF 6.25 FT 0.27 KP	4.39 KIP         0.02 KIP         5.80 KIP         5.10 KIP         3.57 KIF           2.67 KIP         0.00 KIP         6.95 KIP         4.59 KIP         4.27 KIF	2         29         N         (2) #5         60 P           35 IN         (2) #5         0 P         0 P           35 IN         (2) #5         10 P         0 P           35 IN         (2) #5         10 P         0 P           35 IN         (2) #5         150 MPH 30 P         0 P           35 IN         (2) #5         50 P         0 P           36 IN         (2) #5         60 P         0 P           36 IN         (2) #5         0 P         0 P           36 IN         (3) #5         160 MPH 30 P         0 P           36 IN         (3) #5         160 MPH 30 P         0 P	SF         32.99 PSF         4.75 FT         0.59 KIP         3.06 KIP         0.73           SF         0.00 PSF         7.00 FT         0.24 KIP         2.67 KIP         0.32           SF         5.50 PSF         7.00 FT         0.24 KIP         2.84 KIP         0.32           SF         5.100 PSF         7.00 FT         0.24 KIP         3.01 KIP         0.32           SF         11.00 PSF         7.00 FT         0.24 KIP         3.01 KIP         0.32	KIP         0.3 (XIP         3.90 KIP         3.07 KIP         27 NL         (2) #5           KIP         6.30 KIP         3.57 KIP         2.72 KIP         24 ML         (2) #5           KIP         6.99 KIP         4.56 KIP         4.28 KIP         36 IN         (3) #5           KIP         6.99 KIP         4.56 KIP         4.28 KIP         36 IN         (3) #5           KIP         6.99 KIP         4.56 KIP         4.28 KIP         36 IN         (3) #5           KIP         6.99 KIP         4.56 KIP         4.28 KIP         36 IN         (3) #5           KIP         6.99 KIP         5.00 KIP         4.28 KIP         36 IN         (3) #5           KIP         6.98 KIP         6.08 KIP         3.08 KIP         30 IN         (3) #5	
G	No.         DRAWN:         CHECKED:         REVIEWED:           0         BushBr 927/2014         1         1         BushBr 927/2015         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         <	APPROVED: REVISI New Drawing Notes, embedments New Tables, and Sheel Change Ballast Size, Max Dead Load, Add 2 Change Ballast Size Updated Load Tables 3 4	s 2015 Schlette	th Forbes Boulevard	CHLETTER Racking SI Racking SI Racking SI Snow, Wind Schletterus FROPRIE	Max, 72 Cell, 20° - 30° ructure I, Alignment, Tables, 30° D BY: SCHLETTER INC. TARY AND CONFIDENTIAL 0 11 Project Sit Schletter 1001 Com Shelby, N	r Inc merce Center Dr V.	01 c v scale:
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8	9	10	1	
15	C N A P	DIST SHORE ROAD NAPERVILLE, IL 60563	A	
	S T A D R S S S S S S S T T T T T T	OLAR.  HESE DRAWINGS ARE HAVE BEEN REPRODUCED IT A SIZED DIFFERENT THAN ORIGINALLY RAWN, OWNER AND ARCHITECT ASSUME NO ESPONSIBILITY FOR USE OF INCORRECT CALE.  O NOT SCALE DRAWINGS.  SYSTEM SIZE: 14.88kW SYSTEM WODEL TYPE: CSUN 310-72P TOTAL NO. PANEL  ROJECT NO. 5001UC	В	
	c  D	PROJECT NAME AND ADDRESS: URBANA SOLAR GROUND MOUNT 1210 E. UNIVERSITY AVE. URBANA, IL	С	
	F P U U U U	ROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE OCUMENTS WERE PREPARED OR APPROVED BY ME AND ADMENT WERE ADMESSIONAL ENGINEER NOEM AND A ANNS OF THE STATE OF ILLINOIS CENSED STATE NO	D	
	G 		E	
		REV         DESCRIPTION         DATE                                         01         AS-BUILT         10/05/17           resigned by:         DEW         03/10/17           RAWNED BY:         M. PARAYNO         03/10/17           EVIEWED BY:         ASAB BAJWA         03/10/17           CALE:         NOT TO SCALE	F	
views 15	K	VENDOR INFORMATION DRAWING NUMBER: Z-203	G	
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		<b>PHOTOVOL</b>		Ś			CTRIC SHOCH	
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	С	LOCATION: LABEL SHALL BE PLACED ON (A) ENCLOSURES, PULLBOXES, JUNCTION BOX	KES, (B) EXPOSED RACEWYS, CABL	<b>_</b>		ON ANOTHER LABEL ON SAME F		
		TRAYS, AND OTHER WIRING METHODS, AND (C) ON CONDUIT BODIES IN WH OPENINGS ARE UNUSED, THAT CONTAIN DC PV SOURCE CONDUCTORS. SPA APPEARANCE: WHITE TEXT ON RED BACKGROUND	CING SHALL NOT EXCEED 10 FT.			APPEARANCE:	OUND, ORANGE BACKGROUND ON "WA	
		5"			◄		8"	
	D					DU		
-							OTOVO	
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_		AND LOAD SIDES MA		φ	0	PENING OF UTILITY	BOTH RAPID SHUTD AC DISCONNECT IS EM CONDUCTORS C	REQUIRE
	F	ENERGIZED IN THE OPEN I	POSITION.	\^   ▼			HAN 10 FT BEYOND	
		LOCATION:			_	OCATION: LACARD SHALL BE PLACED IN	I VICINITY OF CUSTOMER PRIN	ARY METER
		APPLY LABELS TO ALL AC & DC ELECTRICAL EQUIPMENT, SUCH AS PAN INVERTERS, ETC. UNLESS SUCH WORDING IS ON ANOTHER LABEL ON SAI EQUIPMENT. APPEARANCE:				PPEARANCE: /HITE TEXT ON RED BACKGROU	JND	
	G	BLACK IEXI ON WHILE BACKGROUND, ORANGE BACKGROUND ON "WARNI	BLACK TEXT ON WHITE BACKGROUND, ORANGE BACKGROUND ON "WARNING" LABEL					
		1 2 3	4	5		6	7	

