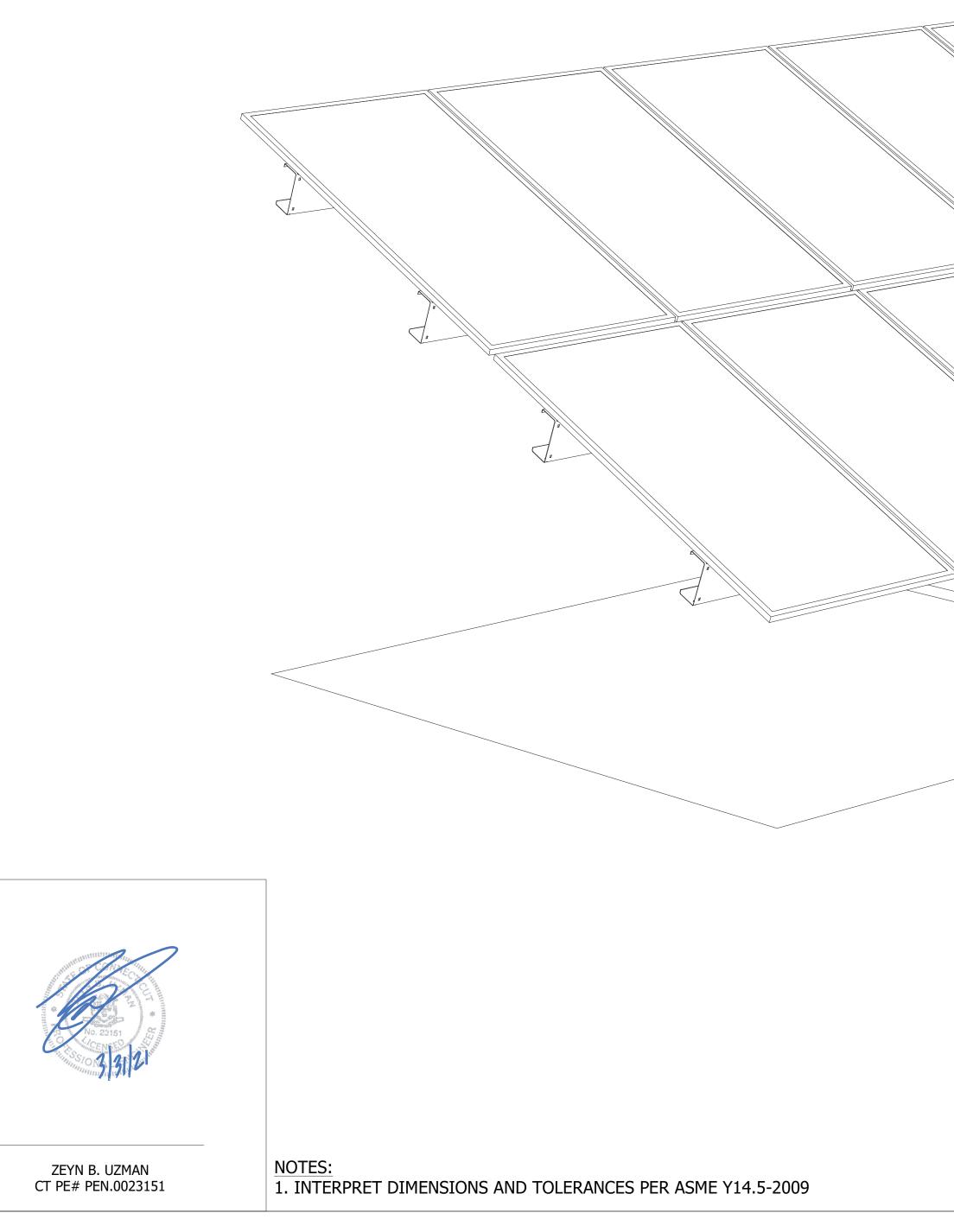
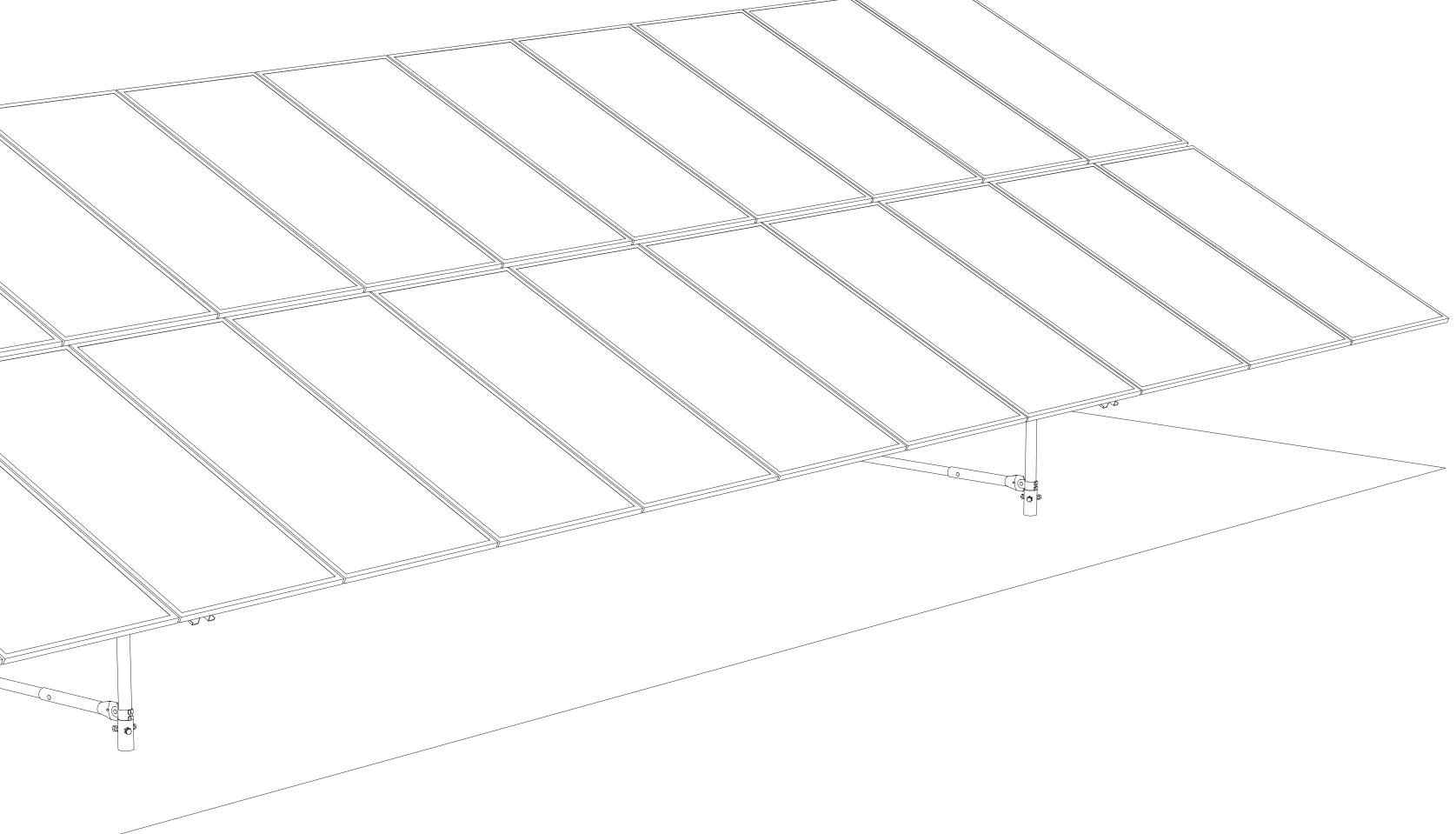
TERRAGLIDE RACKING ENGINEERING PLANS **GREENSKIES - WATERFORD** 2X12 - TERRAGLIDE PORTRAIT - 25° RACK - CS3W-XXXPB-AG



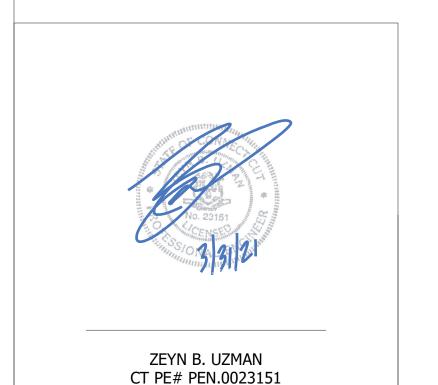


DESIGN CRITERIA ASCE = 7-10 WIND SPEED = 115.04094555 MPH WIND LOAD BUILDING CATEGORY = I	GROUND SCREW KRINNER G SERIES GROUND SCREW SOUTH SCREW - 76mm X 2100mm	PROJECT SPECIFICATIONS: TILT ANGLE - 25' RACK SIZE - 2X12	DRAWN BY TMC - 3/29/2021 ENG. APPROVED BY MF - 3/29/2021	CHECKED BY BS - 3/29/2021 PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA	SMART.		
WIND LOAD BOILDING CATEGORY = 1 WIND LOAD EXPOSURE CATEGORY = C GROUND SNOW LOAD, Pg = 30 PSF	NORTH SCREW - 76mm X 2100mm MODULE DIMENSIONS	MODULE ORIENTATION - PORTRAIT	MFG. APPROVED BY SS - 3/29/2021		PROJECT NAME WATERFORD	SHEET SIZE D		
FLAT ROOF SNOW LOAD, Pf = 30 PSF SEISMIC SITE CLASS = D	NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm)	TERRASMART, LLC 14590 GLOBAL PARKWAY	PROJECT NUMBER 21-7489	CLIENT GREENSKIES	MODULE CS3W-XXXPB-AG	REV SHEET NUMBER 0 1 OF 18		
	NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.					

- I. PERMITTING, CONSTRUCTION, AND ERECTION NOTES AS IT WAS SUPPLIED BY CLIENT. PLEASE REFER TO STRUCTURAL CALCULATIONS FOR FRAME AND FOUNDATION DESIGN. 4. STRUCTURAL STEEL SHALL BE ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- 5. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- 6. CROSS BRACING TO BE FIT ON SITE, PER INSTALLATION MANUAL.
- 8. BOLTS TO BE TIGHTENED PER THE PROCEDURES DESCRIBED IN THE INSTALLATION MANUAL.
- 9. THIS STRUCTURAL DRAWING DOES NOT INCLUDE INFORMATION REGARDING ELECTRICAL CONNECTIONS, INCLUDING GROUNDING. REFER TO INSTALLATION MANUAL AND ELECTRICAL PLANS PREPARED BY OTHERS. 10. SHADING ANALYSIS WAS NOT PERFORMED BY TERRASMART AND WAS NOT CONSIDERED IN THE LAYOUT OF THE FOUNDATION. TERRASMART RECOMMENDS CONSULTING A SOLAR SHADING EXPERT PRIOR TO INSTALLATION TO AVOID POWER REDUCTION DUE TO SHADOWS.
- MAINTAIN AN UNOBSTRUCTED FRONT EDGE. ADVERSE EFFECTS OF SNOW BANKING, INCLUDING SHADING OR OTHER STRUCTURAL CONSIDERATIONS ARE BEYOND TERRASMART'S SCOPE. 12. MINIMUM AND TYPICAL FRONT EDGE CLEARANCE SHOWN ON SIDE ELEVATION. MAXIMUM FRONT EDGE CLEARANCE DETERMINED PER FIELD CONDITIONS. 13. SOUTHERN EDGES OF MODULES SHALL BE ALIGNED WITHIN 2" HORIZONTALLY OF THE SOUTHERN EDGE OF MODULES OF THE ADJACENT RACK. 14. EASTERN AND WESTERN EDGES OF MODULES SHALL BE ALIGNED WITHIN 2" VERTICALLY AND HORIZONTALLY OF THE SOUTHERN EDGE OF MODULES OF THE ADJACENT RACK. 15. TILT ANGLE TOLERANCE: ± 2° FROM ANGLE SHOWN ON SIDE ELEVATION.
- 16. RACK SPACING TOLERANCE: 6" TYPICAL, 4" MINIMUM, FOR SECTIONS OF THE SITE THAT HAVE A RIDGE OR VALLEY, TERRASMART RECOMMENDS INCREASING THE TABLE SPACING TO 10 INCHES AS MEASURED BETWEEN THE CLOSEST MODULES EDGE BETWEEN ADJACENT RACKS. REFER TO CIVIL ENGINEERING PLANS FOR MORE INFORMATION AND FURTHER DETAIL. 17. AZIMUTH TOLERANCE: ± 2° FROM APPROVED CIVIL ENGINEERING PLANS.
- 19. PANEL SPACING TOLERANCE: MINIMUM 1/4" FOR N/S AND E/W SPACING DIMENSION, AS SHOWN ON SIDE ELEVATION AND REAR ELEVATION TO SUIT FIELD CONDITIONS. WITH THE MODULE THAT THE CLIENT WILL PROVIDE.
- **II. SITE PREPARATION**
- 1. PRIOR TO COMMENCING WORK AND FOR THE DURATION OF THE PROJECT, GENERAL CONTRACTOR SHALL ENSURE THE SITE IS PREPARED AND MAINTAINED AS FOLLOWS (TO AVOID CHANGE ORDERS): A. ALL REQUIRED PERMITS SHALL BE OBTAINED AND CURRENT.

 - C. ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND OPERATIONAL.
 - D. GRASS SHALL BE MOWED WITH BLADES NO HIGHER THAN 3" TALL.

 - F. LOOSE SURFACE IMPEDIMENTS, INCLUDING ROCKS, COBBLES, BOULDERS, CONSTRUCTION DEBRIS, AND OTHER OBSTRUCTIONS SHALL BE REMOVED.
- G. SITE SHALL BE SAFE FOR OPERATING MACHINERY AND FOR PERSONNEL ON FOOT. SITE CONDITIONS SHALL NOT BE AN ENCUMBRANCE TO THE PERFORMANCE OF WORK. DRILLING AND/OR GROUND SCREW INSTALLATION.
- GROUND SCREW AND THE EDGE OF THE EXCAVATION MUST BE GREATER THAN OR EQUAL TO THE VERTICAL DEPTH OF THE EXCAVATION (1:1 RATIO), PLUS 24". 2. IF THEY ARE CUT BEFORE GROUND SCREW INSTALLATION, THE HORIZONTAL DISTANCE BETWEEN
- EXCAVATION AND PROPOSED GROUND SCREW LOCATION SHOULD BE 24" OR GREATER. 4. IMPORTED GRANULAR FILL MATERIAL SHALL BE USED FOR EARTHWORK UNLESS ON-SITE SOILS MEET THE FOLLOWING REOUIREMENTS: A. FREE OF PARTICLES LARGER THAN 2" IN DIAMETER, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIALS; AND B. CAN BE PROPERLY MOISTURE CONDITIONED.
- 5. GRANULAR ON-SITE SOILS OR IMPORTED GRANULAR MATERIAL MAY BE USED AS FILL AS LONG AS THEY MEET THE FOLLOWING REQUIREMENTS: A. WELL GRADED BETWEEN COARSE AND FINE SIZES;
 - B. CONTAINING NO CLAY BALLS, ROOTS, ORGANIC MATTER OR OTHER DELETERIOUS MATERIALS;
 - C. MAXIMUM PARTICLE SIZE OF 2", WITH LESS THAN 12% PASSING THE U.S. NO. 200 SIEVE; AND
- D. IMPORTED FILL MATERIALS SHALL BE SAMPLED AND TESTED BY A GEOTECHNICAL ENGINEER OR OTHER QUALIFIED SOIL TESTING AGENCY PRIOR TO BEING TRANSPORTED TO THE SITE. WILL VARY DEPENDING ON THE MATERIAL AND COMPACTION EQUIPMENT USED, BUT SHALL NOT BE GREATER THAN 12" AND SHOULD BE CONSISTENT THROUGHOUT THE DEPTH OF THE COMPACTED SOIL. 7. TERRASMART REQUIRES THAT FILL COMPACTION BE TESTED BY A GEOTECHNICAL ENGINEER OR OTHER QUALIFIED SOIL TESTING AGENCY DURING THE PLACEMENT AND COMPACTION OF FILL TO VALIDATE THE WORK. 8. ROCK DRILLING SHALL BE PERFORMED IF REQUIRED BY PRESENCE OF UNDERGROUND ROCK. PILOT HOLE DIAMETER SHALL BE DETERMINED BY ONSITE TESTING AND APPROVED BY TERRASMART. III. FOUNDATION NOTES
- 1. GROUND SCREW FOUNDATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS BY A CERTIFIED INSTALLER TRAINED ON THIS TECHNOLOGY.
- 2. GROUND SCREW FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED, NATURAL SOIL, UNLESS OTHERWISE NOTED AND PROPERLY PREPARED AS DESCRIBED IN SECTION II. SITE PREPARATION.
- 3. FOUNDATION INSTALLATION SUB-CONTRACTOR SHALL DETERMINE DIAMETER AND DEPTH OF PRE-DRILLED PILOT HOLE AS REQUIRED BY SITE CONDITIONS.
- 5. THE USE OF WATER AS LUBRICANT IS ALLOWED.
- SETTLEMENT RESULTS IN A RACKING CONFIGURATION THAT IS STILL WITHIN TOLERANCE OF THE PROJECT'S CONSTRUCTION PLANS OR INSTALLATION MANUAL AND DOES NOT OVER STRESS THE RACKING STRUCTURE. 7. MINIMUM REQUIRED TORQUE FOR GROUND SCREW INSTALLATION: 2000 N-m.
- 8. AT THIS TIME NO GROUND SCREW TESTING DATA IS AVAILABLE. GROUND SCREW FOUNDATIONS HAVE BEEN DESIGNED BASED ON EXTENSIVE TESTING IN MEDIUM/ DENSE SOILS.
- 9. GROUND SCREW FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE PROJECT GEOTECHNICAL REPORT PROVIDED BY THE CLIENT (TERRACON, REPORT NUMBER J2185052, DATED 05/22/2018).



1. FRAME AND FOUNDATION CONFORMS TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE BASED UPON DESIGN CRITERIA AS OUTLINED ON THE COVER SHEET. TERRASMART MAKES NO REPRESENTATION AS TO THE ACCURACY OF THE DESIGN CRITERIA

2. THE STRUCTURAL INTEGRITY OF THE TERRAGLIDE RACK DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. 3. FOUNDATION INSTALLATION SUB-CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF ANY UNFORESEEN CONFLICTS ARISE, SUCH AS EXISTING UNDULATION THAT COULD POTENTIALLY CAUSE RACKING INSTALLATION ISSUES.

7. COLD GALVANIZING COMPOUND SHALL BE USED PER MANUFACTURER'S DIRECTIONS AND IN ACCORDANCE WITH ASTM-A780 IN AREAS WHERE GALVANIZATION WAS REMOVED DURING TRANSPORTATION, OR ERECTION/INSTALLATION.

11. SNOW BANKING ANALYSIS WAS NOT PERFORMED BY TERRASMART AND WAS NOT CONSIDERED IN THE STRUCTURAL DESIGN. THE FRONT EDGE CLEARANCE WAS SUPPLIED BY CLIENT AND IT IS ASSUMED THAT THE SYSTEM OWNER WILL REMOVE SNOW AS NEEDED TO

18. TERRAGLIDE RACKING IS DESIGNED TO ACCOMMODATE A MAXIMUM EAST/WEST SLOPE OF 25%, A MAXIMUM NORTH FACING SLOPE OF 26%. NO SLOPES WERE PROVIDED BY THE CLIENT, THEREFORE DEFAULT VALUES HAVE BEEN USED. 20. FOR MODULE MOUNTING HARDWARE, TERRASMART PROVIDES STAINLESS STEEL HEX BOLT WITH INTEGRATED FLANGE NUT. THE CLIENT IS RESPONSIBLE TO CONFIRM THAT TERRASMART'S MODULE MOUNTING HARDWARE IS COMPATIBLE

B. LOCATE ALL UNDERGROUND UTILITIES AND ENSURE THAT THE PROPOSED INSTALLATION DOES NOT CONFLICT WITH ANY EXISTING INFRASTRUCTURE. MARKINGS SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.

E. ALL VEGETATION, INCLUDING TREES AND SHRUBS SHALL BE CLEARED AND ROOT SYSTEMS GRUBBED. ALL ORGANIC MATTER SHALL BE STRIPPED AND REMOVED FROM THE BUILDING ENVELOPE BEFORE EARTH WORK OCCURS, IF ANY. H. GROUND WATER, INCLUDING WATER TABLE AND PERCHED WATER, SHALL NOT ENCROACH BETWEEN THE GROUND SURFACE AND THE EMBEDMENT DEPTH OF THE GROUND SCREW. DEWATERING IS REQUIRED IF GROUND WATER IS ENCOUNTERED DURING PILOT HOLE

I. SITE SHALL BE GRADED TO PROVIDE CONTROLLED POSITIVE DRAINAGE AWAY FROM FOUNDATIONS. STANDING WATER AND/OR WATER WITH SUFFICIENT VELOCITY TO ERODE SOIL IS NOT ALLOWED WITHIN 20 FEET OF THE FOUNDATION. J. NO FINISHED GRADE SOIL SHALL BE DISTURBED WITHIN 24" OF THE PROPOSED OR INSTALLED LOCATION OF A GROUND SCREW. SEE ADDITIONAL REQUIREMENTS FOR TRENCHES AND OTHER EXCAVATIONS IN SECTION II.3. 2. ALL EARTHWORK SHALL BE NOTED ON THE PLANS AND PROPERLY AS-BUILTED. CUT AREAS SHALL BE PROOF ROLLED AFTER REMOVAL OF SOIL. FILL AREAS SHALL BE STRIPPED OF ALL VEGETATION AND PROOF ROLLED PRIOR TO PLACING FILL MATERIAL. 3. TRENCHES AND OTHER EXCAVATIONS MAY BE CUT EITHER BEFORE OR AFTER GROUND SCREW INSTALLATION PROVIDED THEY MEET THE REQUIREMENTS OF II.1, II.5. IF THEY ARE CUT AFTER GROUND SCREW INSTALLATION, THE HORIZONTAL DISTANCE BETWEEN THE

6. FILL SOILS SHALL BE COMPACTED AT MOISTURE CONTENTS THAT ARE NEAR OPTIMUM. THE OPTIMUM MOISTURE CONTENT VARIES WITH THE SOIL GRADATION AND SHALL BE EVALUATED DURING CONSTRUCTION. FILL MATERIAL THAT IS NOT NEAR OPTIMUM MOISTURE CONTENT SHALL BE MOISTURE CONDITIONED. FILL MATERIAL SHALL BE PLACED IN UNIFORM, HORIZONTAL LIFTS, AND BE COMPACTED WITH APPROPRIATE EQUIPMENT TO AT LEAST 90% OF THE MAXIMUM DRY DENSITY PER ASTM D1557. THE MAXIMUM LIFT THICKNESS

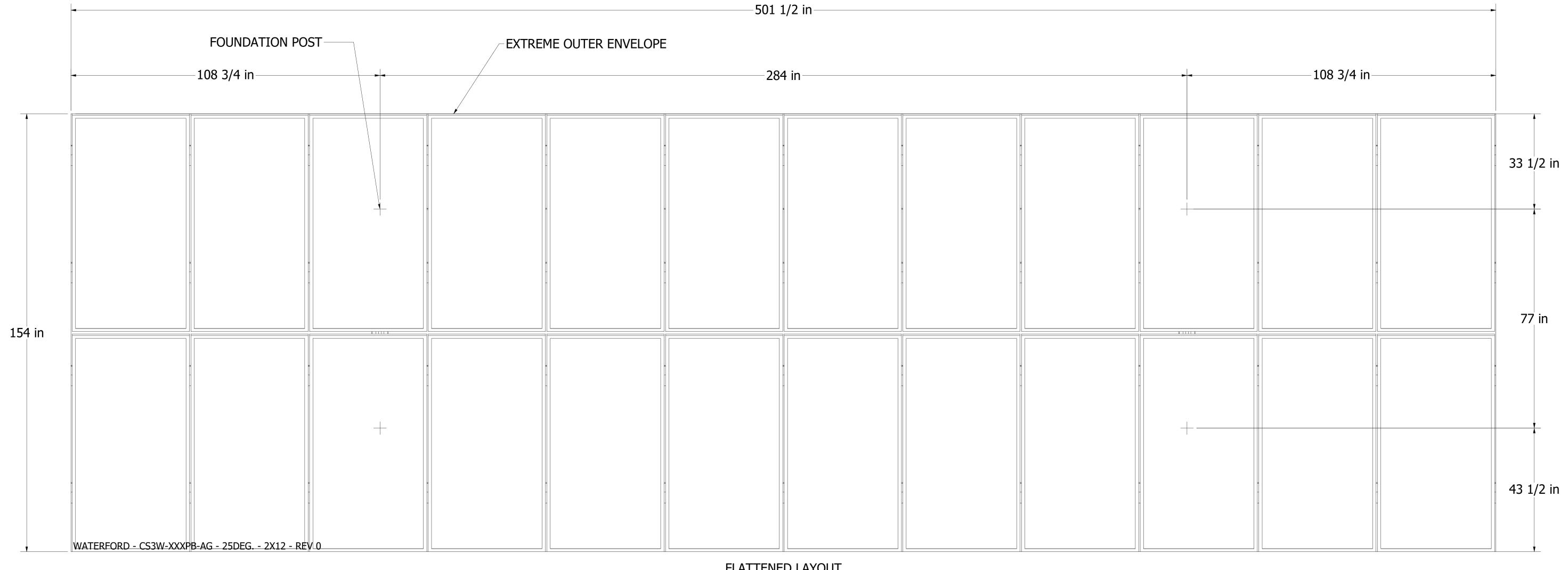
4. SHOULD UNFORESEEN LOOSE SOIL CONDITIONS BE ENCOUNTERED ONSITE, CONCRETE OR OTHER ADDITIVES MAY BE USED TO STABILIZE THE SOIL AT CLIENTS EXPENSE. SHOULD UNDERGROUND WATER BE ENCOUNTERED, THE CLIENT SHALL REMEDIATE THE ISSUE.

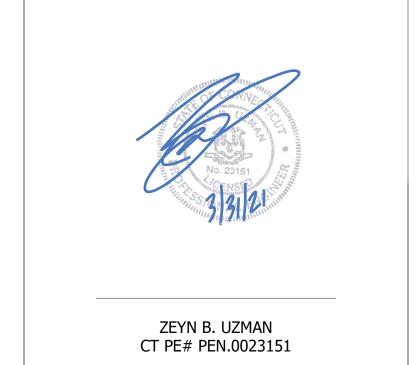
6. TOLERANCES IN THE POSTION OF EACH SCREW ARE ± 2" LATERALLY (NORTH-SOUTH AND EAST-WEST) AND ± 3" VERTICALLY (UP-DOWN) WITH A TYPICAL 76.7" EMBEDMENT, AS MEASURED FROM GRADE. IN THE RARE CASE THAT A GROUND SETTLEMENT OCCURS, NO REMEDIATION IS REQUIRED IF THE

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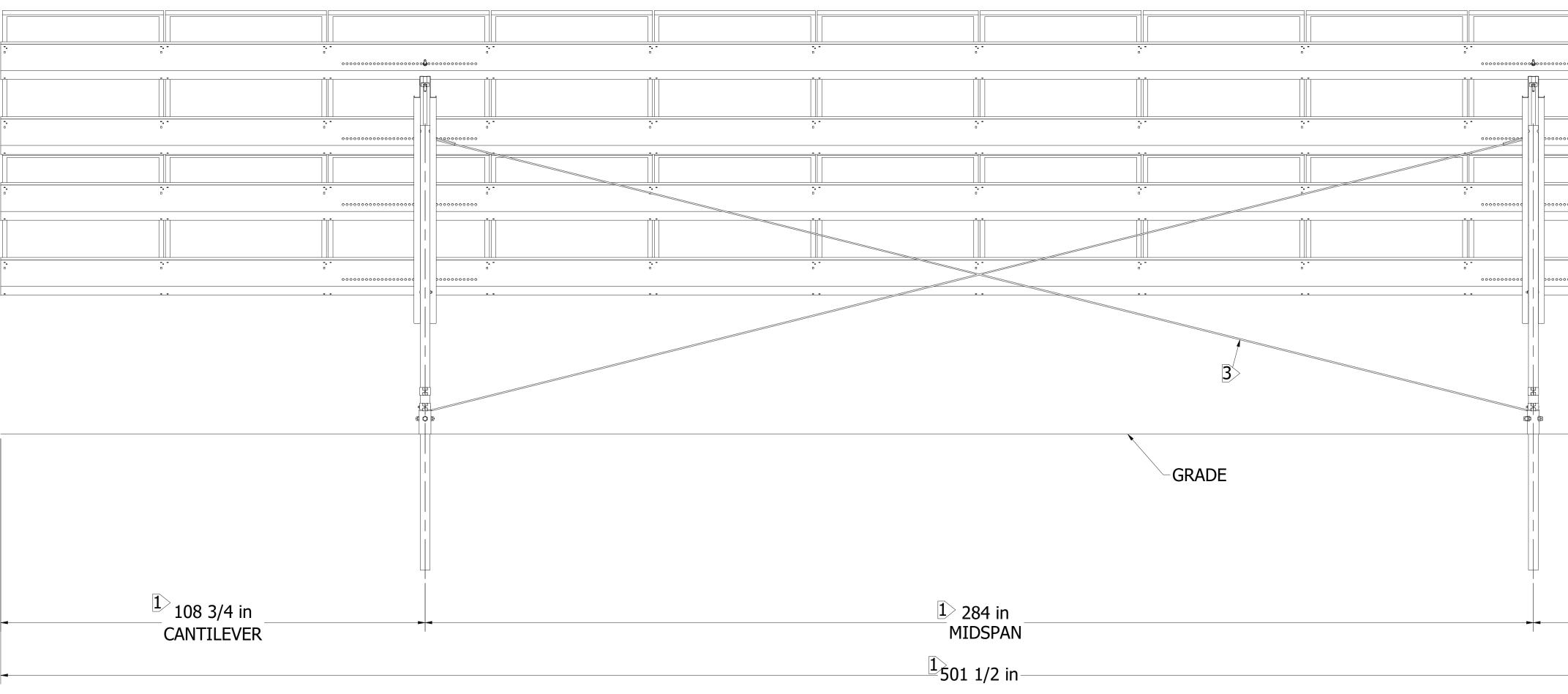
<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW	PROJECT SPECIFICATIONS:	dra TMC - 3
SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm	TILT ANGLE - 25 [°] RACK SIZE - 2X12	eng. api MF - 3/
MODULE DIMENSIONS NORTH/ SOUTH EDGE - 83.94 (2132mm)	MODULE ORIENTATION - PORTRAIT	mfg. api SS - 3/
EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm)	TERRASMART, LLC 14590 GLOBAL PARKWAY	PROJECT NUMBE 21-7489
EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND CO ANY REPRODUCTION

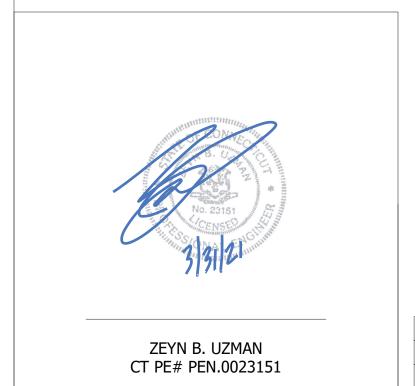
drawn by - <mark>3/29/2021</mark>		CHECKED BY BS - 3/29/2021				
APPROVED BY 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021		ERRA	SM	ART.
. APPROVED BY		PROJECT NAME				SHEET SIZE
3/29/2021		WATERFORD				D
MBER		CLIENT	MODULE		REV	SHEET NUMBER
39		GREENSKIES	CS3W-XXXPB-AG	CS3W-XXXPB-AG		2 OF 18
		RMATION CONTAINED IN THIS DRAWI		ASMART.		
ON IN PART O	r as a whole	EWITHOUT WRITTEN PERMISSION OF	TERRASMART IS PROHIBITED.			





GROUND SCREW		DRAWN BY		CHECKED BY				
KRINNER G SERIES GROUND SCREW	PROJECT SPECIFICATIONS:	TMC - 3/29/2021		BS - 3/29/2021			100 - 100 - 100	
SOUTH SCREW - 76mm X 2100mm	TILT ANGLE - 25	ENG. APPROVED BY		PROJ. ENG. APPROVED BY		TERRASM	ART.	
NORTH SCREW - 76mm X 2100mm	RACK SIZE - 2X12	MF - 3/29/2021		BS - 3/29/2021				
MODULE DIMENSIONS	MODULE ORIENTATION - PORTRAIT	MFG. APPROVED BY			PROJECT NAME		SHEET SIZE	
NORTH/ SOUTH EDGE - 83.94 (2132mm)		SS - 3/29/2021			WATERFORD		D	
EAST/ WEST EDGE - 41.26 (1048mm)	TERRASMART, LLC	PROJECT NUMBER	I.	CLIENT	MODULE	REV	SHEET NUMBER	
NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm)	14590 GLOBAL PARKWAY	21-7489		GREENSKIES	CS3W-XXXPB-A	G 0	3 OF 18	
EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.						



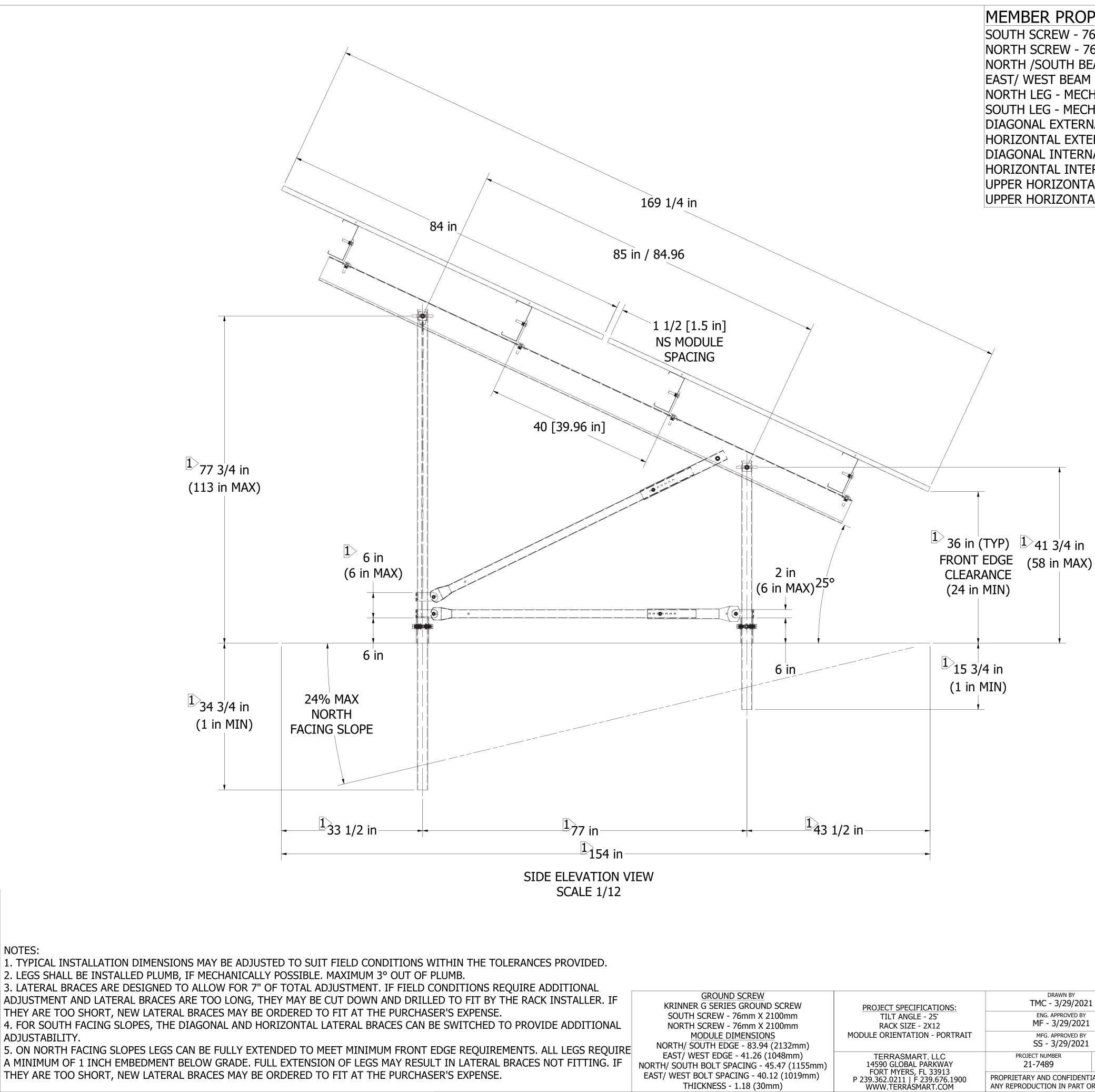


<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW TMC PROJECT SPECIFICATIONS: TILT ANGLE - 25⁻ ^{ENG.} SOUTH SCREW - 76mm X 2100mm RACK SIZE - 2X12 MODULE ORIENTATION - PORTRAIT NORTH SCREW - 76mm X 2100mm MODULE DIMENSIONS MFG. SS -NOTES: NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) 1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED. 2. PURLIN SPACING IS DEPENDENT ON MODULE SPECIFICATIONS, REFER TO PROJECT NOTES FOR MODULE SPECIFICATIONS. TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 P 239.362.0211 | F 239.676.1900 WWW.TERRASMART.COM PROJECT NUN 21-748 EAST/ WEST BOLT SPACING - 40.12 (1019mm) PROPRIETARY AND 3, SEISMIC CROSS BRACING TO BE FIELD FIT. THICKNESS - 1.18 (30mm) ANY REPRODUCTION IN

REAR ELEVATION VIEW SCALE 1/18

1/2 in E/V MODULE SPACING TYP.			
 2 40 in		241 1/4 in	
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drawn by - 3/29/2021	CHECKED BY BS - 3/29/2021			107 - electrica (104
. APPROVED BY - 3/29/2021	PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA!	SM	ART.
. APPROVED BY - 3/29/2021		PROJECT NAME WATERFORD		
мвек 39	GREENSKIES	MODULE CS3W-XXXPB-AG	REV 0	SHEET NUMBER 4 OF 18
	AL. THE INFORMATION CONTAINED IN THIS DRAW			





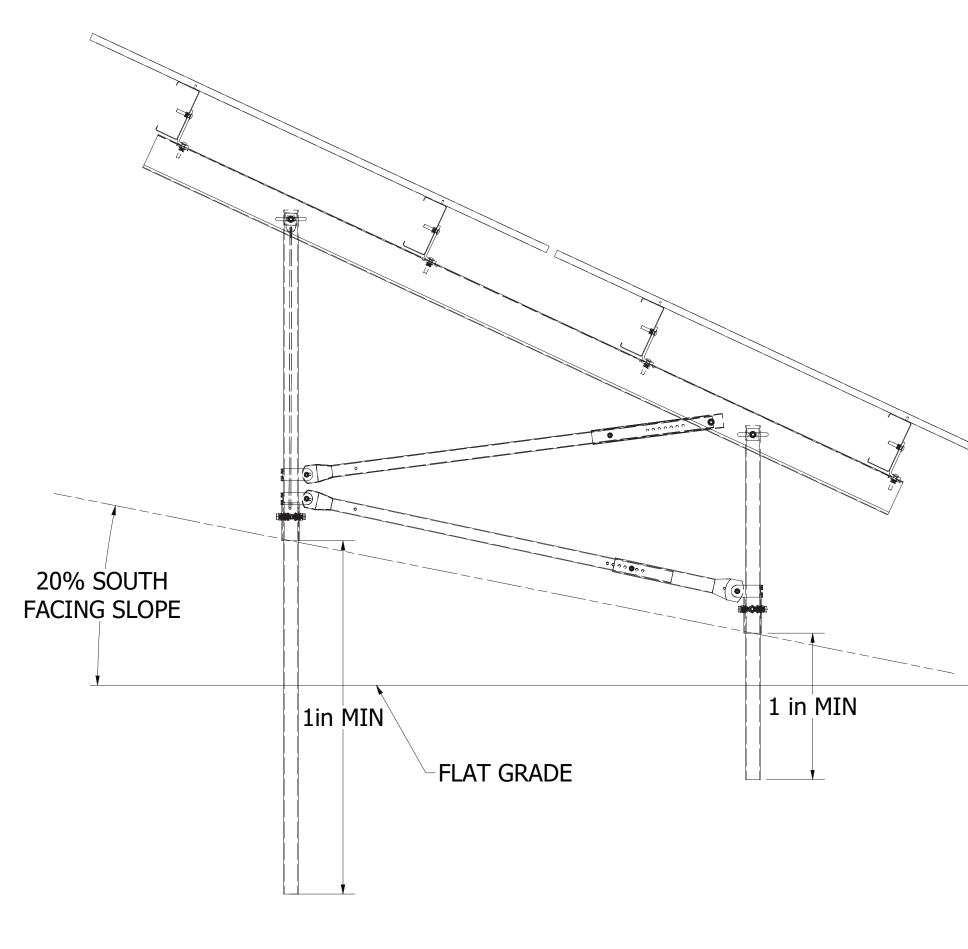
NOTES:

2. LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB. 3. LATERAL BRACES ARE DESIGNED TO ALLOW FOR 7" OF TOTAL ADJUSTMENT. IF FIELD CONDITIONS REQUIRE ADDITIONAL THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE. ADJUSTABILITY.

THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.

MEMBER PROPERTIES SOUTH SCREW - 76 mm X 2100 mm NORTH SCREW - 76 mm X 2100 mm NORTH /SOUTH BEAM - RAFTER - LENGTH = 137.00 in EAST/ WEST BEAM - C-BEAM 9.0x4.0x0.0860 - LENGTH = 501.48 in NORTH LEG - MECH2.375 x 9GA. - LENGTH = 114.00 in SOUTH LEG - MECH2.375 x 9GA. - LENGTH = 59.00 in DIAGONAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 23.00 in HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 22 in DIAGONAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 69 in HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 63 in UPPER HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in UPPER HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 63 in

DRAWN BY TMC - 3/29/2021		CHECKED BY BS - 3/29/2021				101 and 110	
ENG. APPROVED BY MF - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021			ART.		
MFG. APPROVED BY		PROJECT NAME			SHEET SIZE		
SS - 3/29/2021		WATERFORD			D		
PROJECT NUMBER		CLIENT		MODULE	REV	SHEET NUMBER	
21-7489		GREENSKIES		CS3W-XXXPB-AG	0	5 OF 18	
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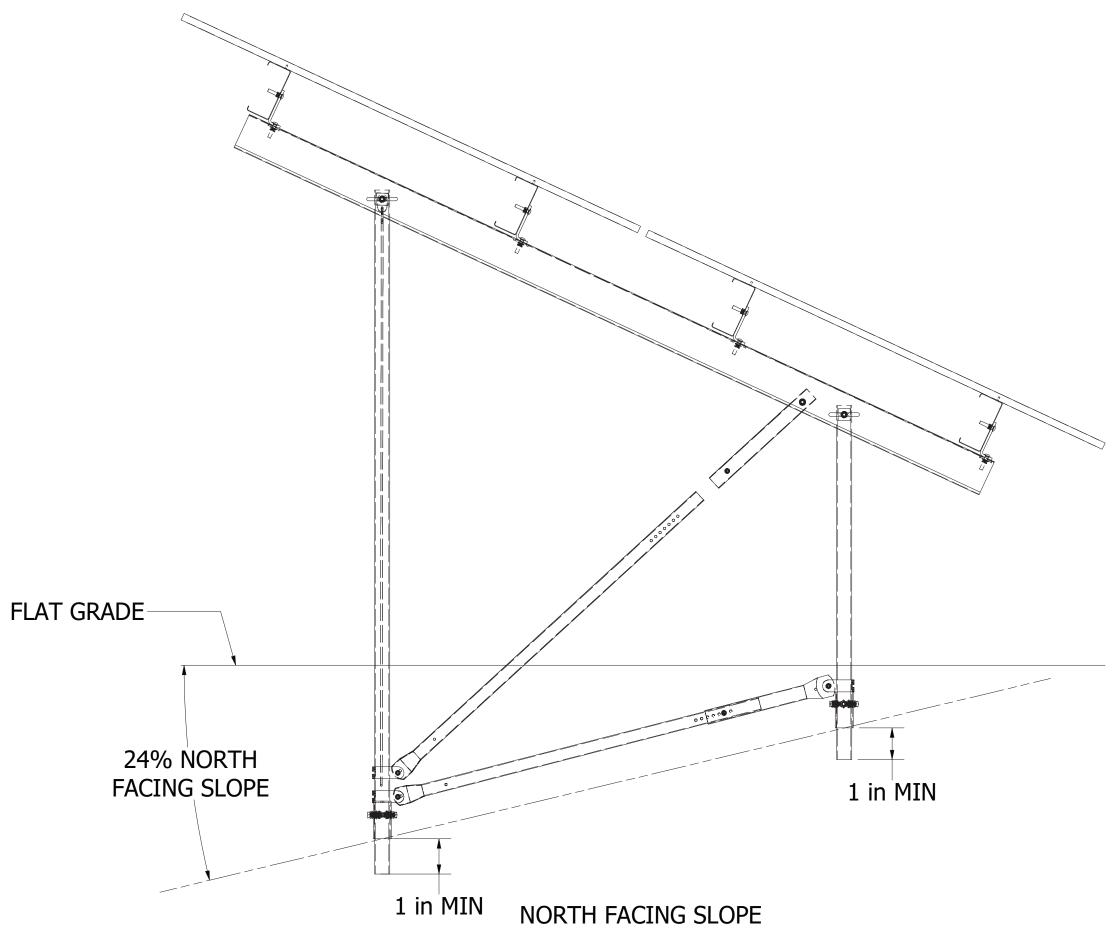
SOUTH FACING SLOPE SCALE 1/16



NOTES:

ZEYN B. UZMAN CT PE# PEN.0023151 TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.
 LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB.
 LATERAL BRACES ARE DESIGNED TO ALLOW FOR 7" OF TOTAL ADJUSTMENT. IF FIELD CONDITIONS REQUIRE ADDITIONAL ADJUSTMENT AND LATERAL BRACES ARE TOO LONG, THEY MAY BE CUT DOWN AND DRILLED TO FIT BY THE RACK INSTALLER. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.
 FOR SOUTH FACING SLOPES, THE DIAGONAL AND HORIZONTAL LATERAL BRACES CAN BE SWITCHED TO PROVIDE ADDITIONAL ADJUSTABILITY.

5. ON NORTH FACING SLOPES LEGS CAN BE FULLY EXTENDED TO MEET MINIMUM FRONT EDGE REQUIREMENTS. ALL LEGS REQUIRE A MINIMUM OF 1 INCH EMBEDMENT BELOW GRADE. FULL EXTENSION OF LEGS MAY RESULT IN LATERAL BRACES NOT FITTING. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.

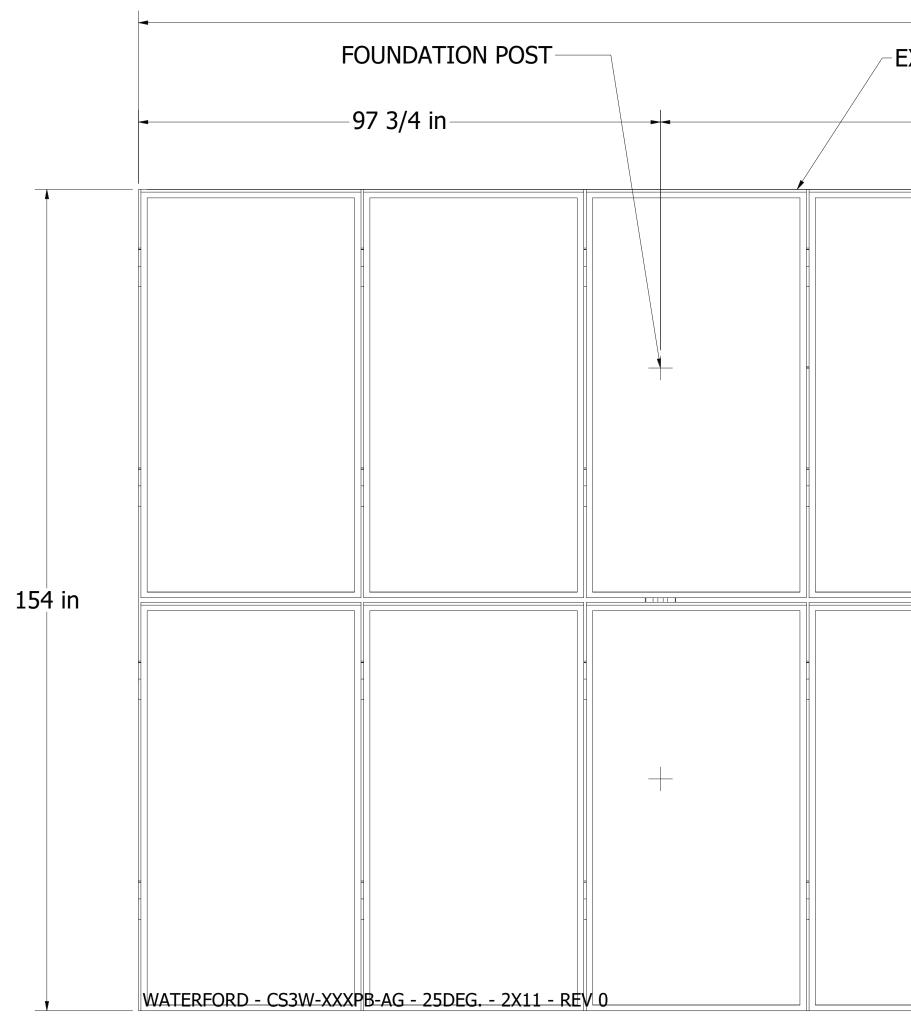


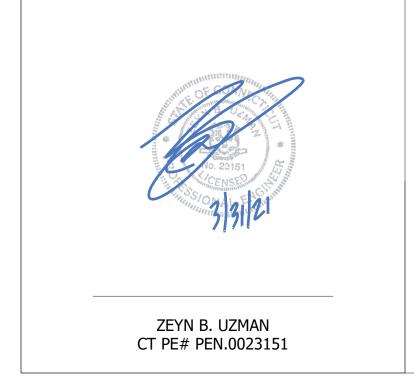
<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm <u>MODULE DIMENSIONS</u> NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

PROJECT SPECIFICATIONS: TILT ANGLE - 25' RACK SIZE - 2X12 10DULE ORIENTATION - PORTRAIT	DR/ TMC - 3 ENG. AP MF - 3 MFG. AF SS - 3
TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROJECT NUMBE 21-7489 PROPRIETARY AND C ANY REPRODUCTION

RTH FACING SLOPE SCALE 1/16

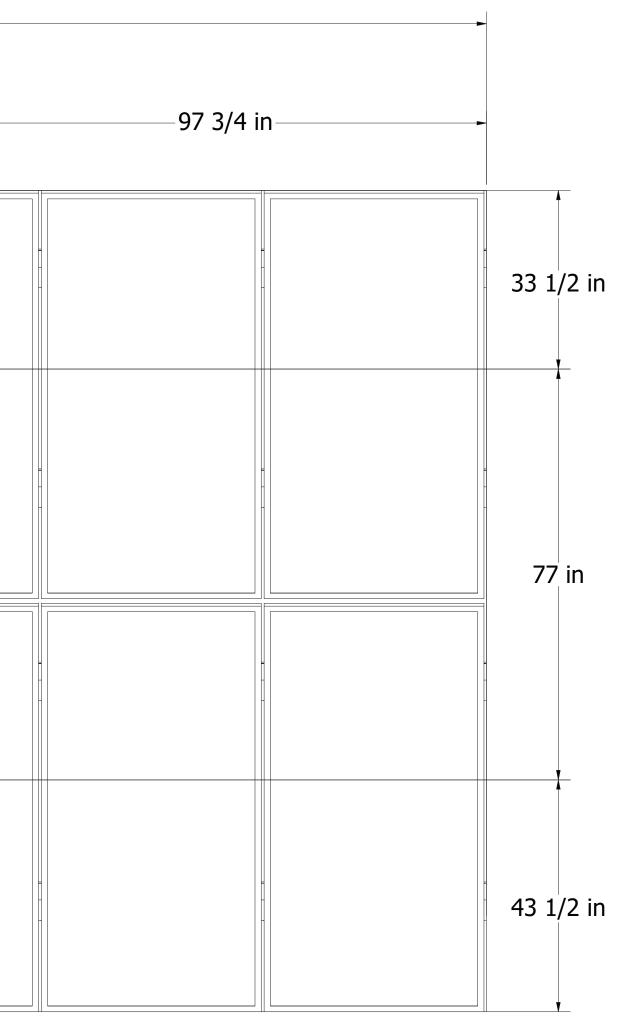
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- 3/29/2021	BS - 3/29/2021			101 Aug 111		
. APPROVED BY	PROJ. ENG. APPROVED BY	TERRA	5 M.	ART.		
- 3/29/2021	BS - 3/29/2021					
. APPROVED BY		PROJECT NAME				
3/29/2021		WATERFORD				
MBER	CLIENT	MODULE	REV	SHEET NUMBER		
39	GREENSKIES	CS3W-XXXPB-AG	0	6 OF 18		
CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART.						
on in part o	AS A WHOLE WITHOUT WRITTEN PERMISSION OF	TERRASMART IS PROHIBITED.				

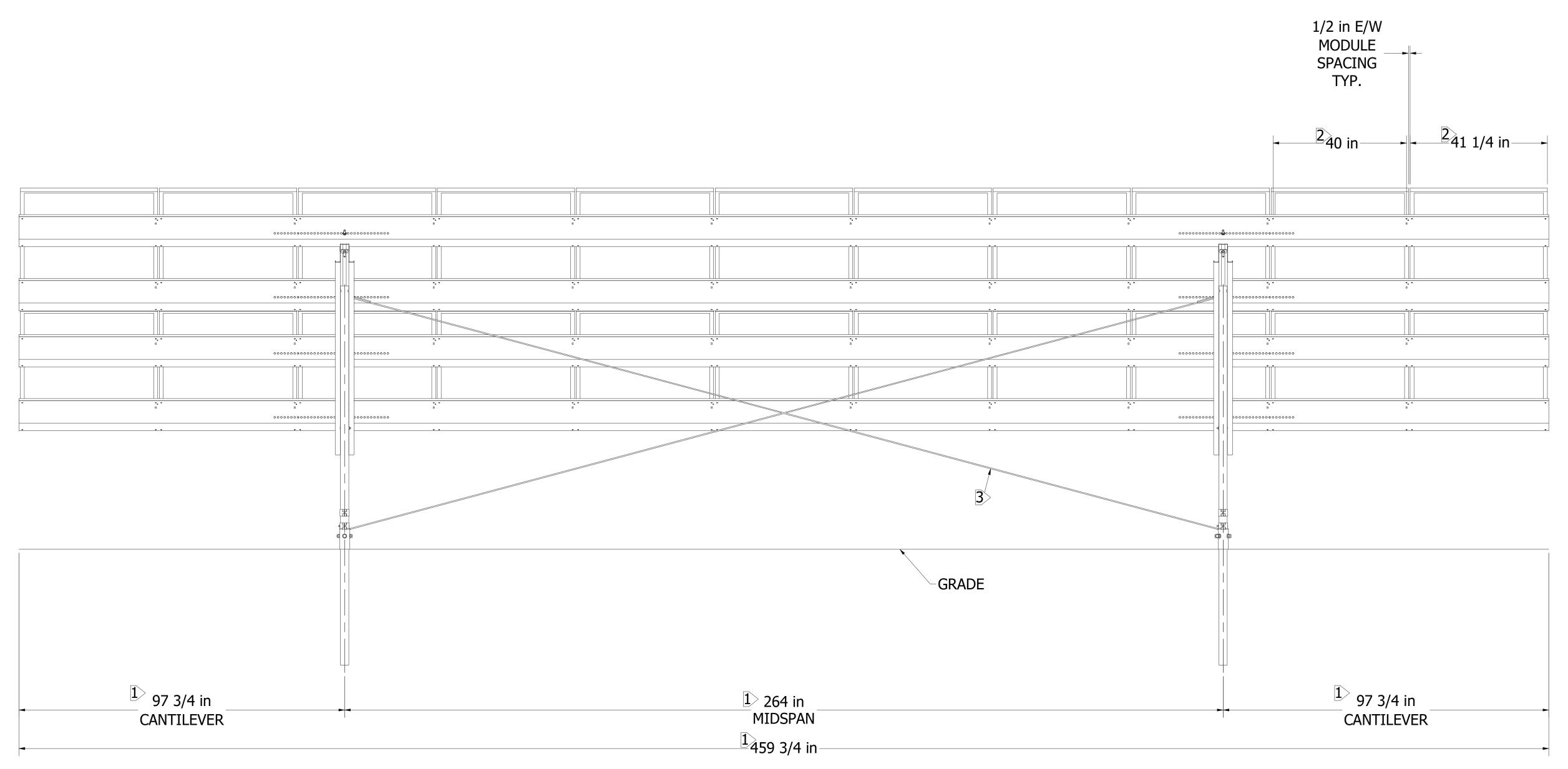




459 3/4 in								
EXTREME OUTER ENVELOPE								
	264 in							
-				-				
-		-		-				
				-				

GROUND SCREW		DRAWN BY		CHECKED BY			
KRINNER G SERIES GROUND SCREW	PROJECT SPECIFICATIONS:	TMC - 3/29/2021	-	BS - 3/29/2021			7.27 - 10.00 - 10.00
SOUTH SCREW - 76mm X 2100mm	TILT ANGLE - 25	ENG. APPROVED BY		PROJ. ENG. APPROVED BY		TERRASM	ART.
NORTH SCREW - 76mm X 2100mm	RACK SIZE - 2X11	MF - 3/29/2021		BS - 3/29/2021			
MODULE DIMENSIONS	MODULE ORIENTATION - PORTRAIT	MFG. APPROVED BY			PROJECT NAME		SHEET SIZE
NORTH/ SOUTH EDGE - 83.94 (2132mm)		SS - 3/29/2021			WATERFORD		D
EAST/ WEST EDGE - 41.26 (1048mm)	TERRASMART, LLC	PROJECT NUMBER		CLIENT	MODULE	REV	SHEET NUMBER
NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm)	14590 GLOBAL PARKWAY	21-7489		GREENSKIES	CS3W-XXXPB-A	G 0	7 OF 18
EAST/ WEST BOLT SPACING - 40.12 (1019mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900	PROPRIETARY AND CONFIDENTI	AL. THE INFOR	MATION CONTAINED IN THIS DRAWI	NG IS THE SOLE PROPERTY OF TE	RRASMART.	1
THICKNESS - 1.18 (30mm)	WWW.TERRASMART.COM	ANY REPRODUCTION IN PART OF	R AS A WHOLE	WITHOUT WRITTEN PERMISSION OF	TERRASMART IS PROHIBITED.		



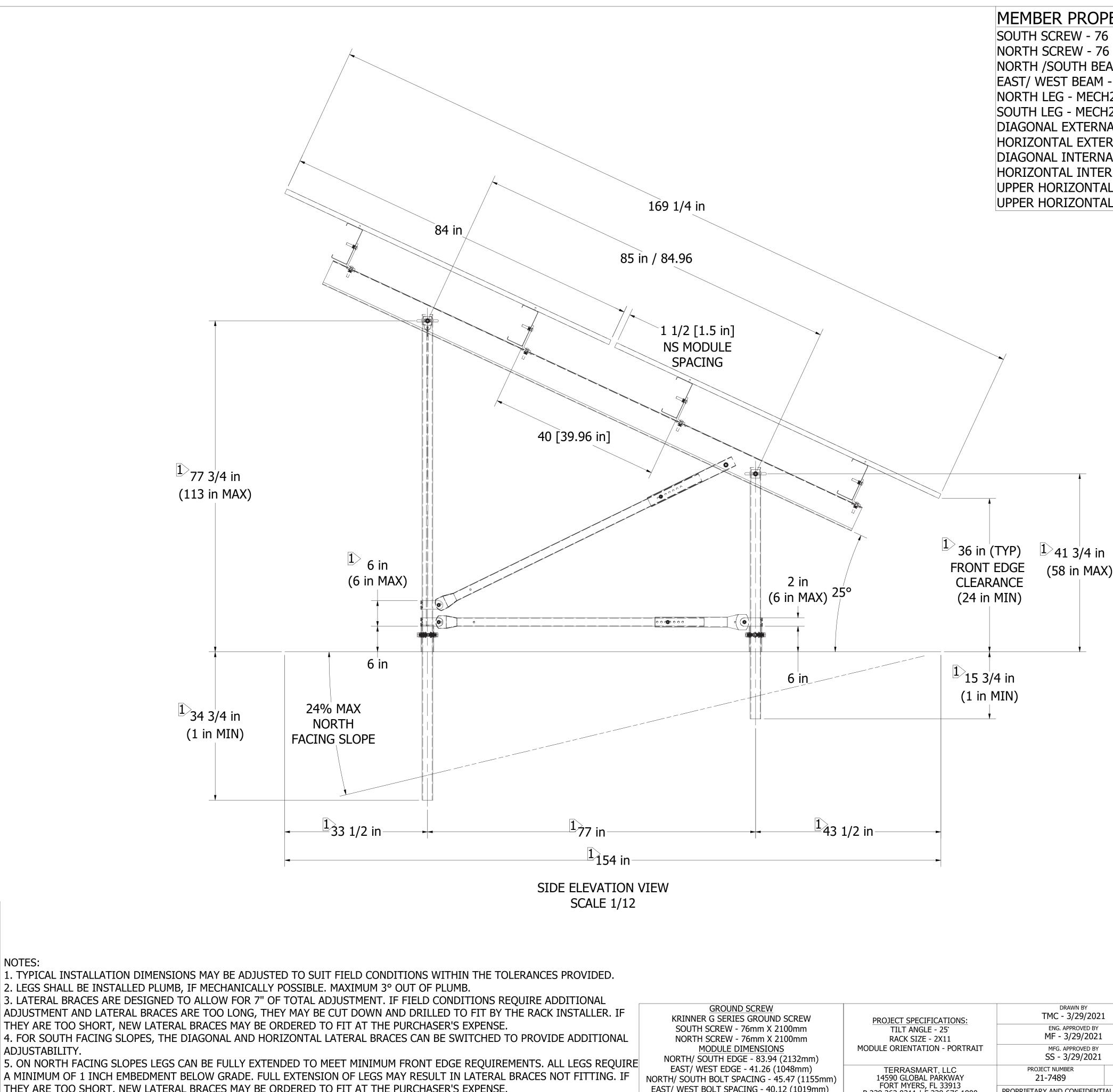




<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW TMC -PROJECT SPECIFICATIONS: TILT ANGLE - 25 RACK SIZE - 2X11 MODULE ORIENTATION - PORTRAIT ^{ENG.} SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm MODULE DIMENSIONS MFG. SS -NOTES: NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) 1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED. 2. PURLIN SPACING IS DEPENDENT ON MODULE SPECIFICATIONS, REFER TO PROJECT NOTES FOR MODULE SPECIFICATIONS. TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 P 239.362.0211 | F 239.676.1900 WWW.TERRASMART.COM PROJECT NUN 21-748 EAST/ WEST BOLT SPACING - 40.12 (1019mm) PROPRIETARY AND 3, SEISMIC CROSS BRACING TO BE FIELD FIT. THICKNESS - 1.18 (30mm) ANY REPRODUCTION IN

REAR ELEVATION VIEW SCALE 1/18

drawn by - 3/29/2021	CHECKED BY BS - 3/29/2021				
. APPROVED BY - 3/29/2021	PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA!	TERRASMAR		
. APPROVED BY		PROJECT NAME			
3/29/2021		WATERFORD			
MBER	CLIENT	MODULE	REV	SHEET NUMBER	
39	GREENSKIES	CS3W-XXXPB-AG	0	8 OF 18	
	E INFORMATION CONTAINED IN THIS DRAWIN				





ZEYN B. UZMAN CT PE# PEN.0023151

2. LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB. 3. LATERAL BRACES ARE DESIGNED TO ALLOW FOR 7" OF TOTAL ADJUSTMENT. IF FIELD CONDITIONS REQUIRE ADDITIONAL ADJUSTMENT AND LATERAL BRACES ARE TOO LONG, THEY MAY BE CUT DOWN AND DRILLED TO FIT BY THE RACK INSTALLER. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE. 4. FOR SOUTH FACING SLOPES, THE DIAGONAL AND HORIZONTAL LATERAL BRACES CAN BE SWITCHED TO PROVIDE ADDITIONAL ADJUSTABILITY.

5. ON NORTH FACING SLOPES LEGS CAN BE FULLY EXTENDED TO MEET MINIMUM FRONT EDGE REQUIREMENTS. ALL LEGS REQUIRE A MINIMUM OF 1 INCH EMBEDMENT BELOW GRADE. FULL EXTENSION OF LEGS MAY RESULT IN LATERAL BRACES NOT FITTING. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.

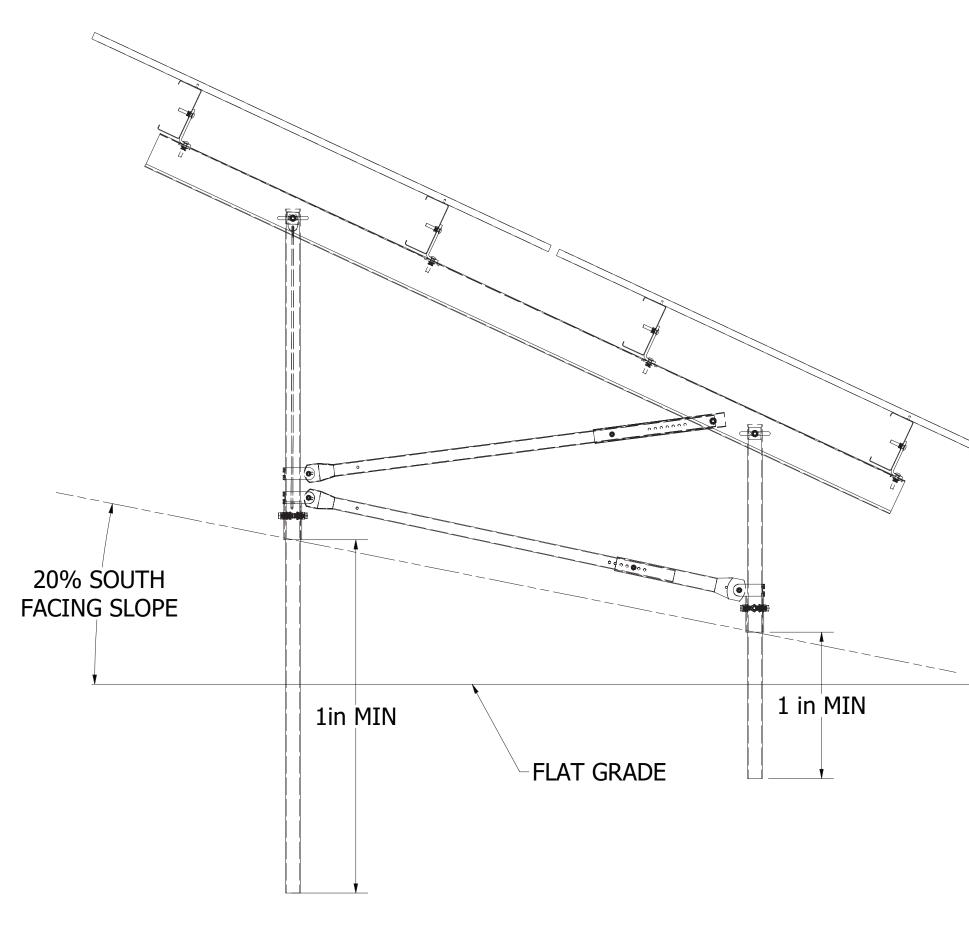
EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

PROJECT SPECIFICATIONS:	TMC -
TILT ANGLE - 25 [°] RACK SIZE - 2X11	ENG. A MF -
DULE ORIENTATION - PORTRAIT	MFG. / SS - 3
TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913	PROJECT NUM 21-7489
239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND ANY REPRODUCTIO

MEMBER PROPERTIES SOUTH SCREW - 76 mm X 2100 mm NORTH SCREW - 76 mm X 2100 mm NORTH /SOUTH BEAM - RAFTER - LENGTH = 137.00 in EAST/ WEST BEAM - C-BEAM 9.0x4.0x0.0860 - LENGTH = 459.72 in NORTH LEG - MECH2.375 x 9GA. - LENGTH = 114.00 in SOUTH LEG - MECH2.375 x 9GA. - LENGTH = 59.00 in DIAGONAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 23.00 in HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 22 in DIAGONAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 69 in HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 63 in UPPER HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in UPPER HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 63 in

(58 in MAX)

- 3/29/2021		CHECKED BY BS - 3/29/2021			1947 - Ares Statu
. APPROVED BY - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA	SM	ART.
APPROVED BY PROJECT NAME		SHEET SIZE			
3/29/2021		WATERFORD			D
MBER		CLIENT	MODULE	REV	SHEET NUMBER
39		GREENSKIES	CS3W-XXXPB-AG	0	9 OF 18
		RMATION CONTAINED IN THIS DRAWI WITHOUT WRITTEN PERMISSION OF	ING IS THE SOLE PROPERTY OF TERRASMART.	·	



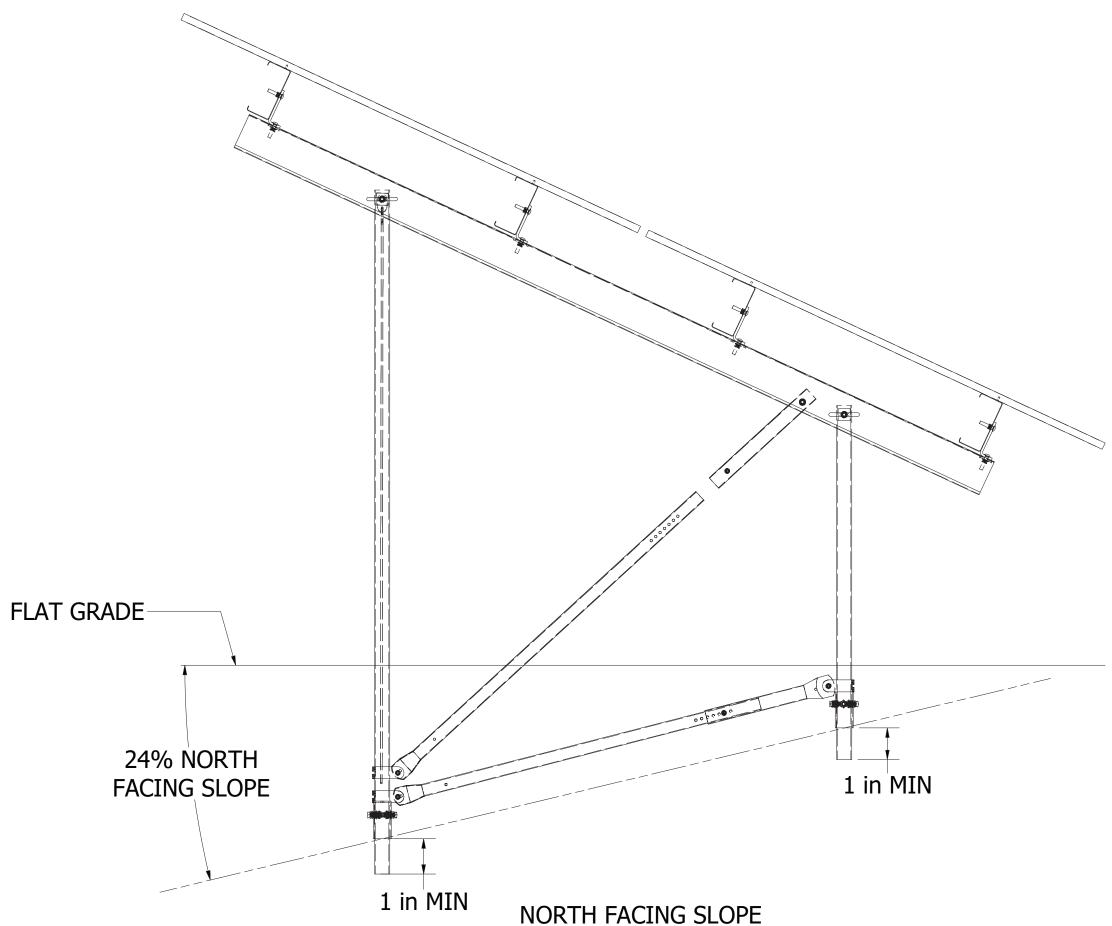
SOUTH FACING SLOPE SCALE 1/16



NOTES:

ZEYN B. UZMAN CT PE# PEN.0023151 TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.
 LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB.
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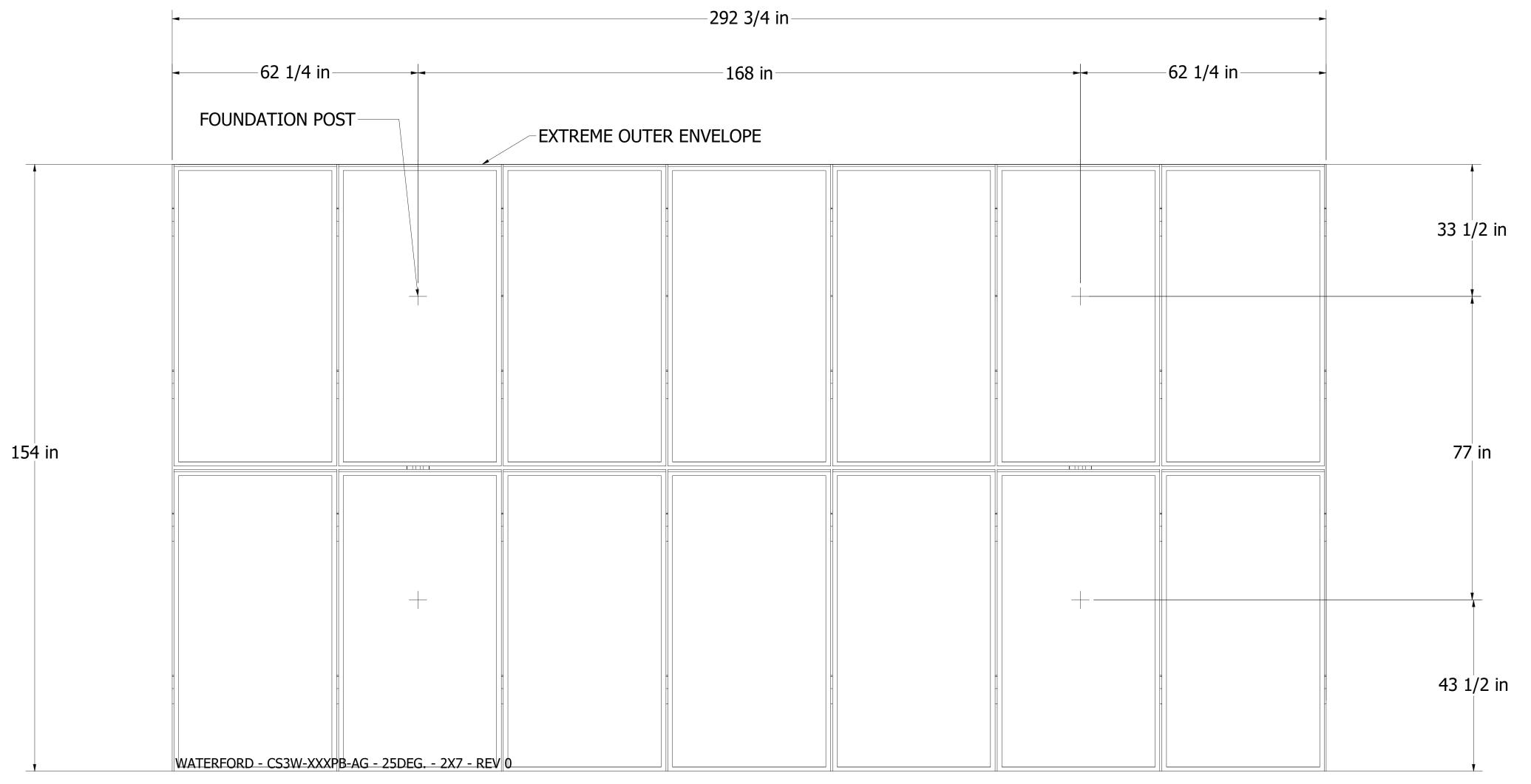


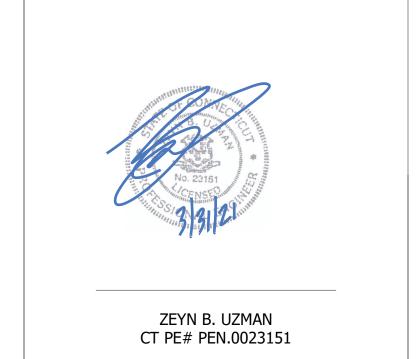
<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm <u>MODULE DIMENSIONS</u> NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

PROJECT SPECIFICATIONS: TILT ANGLE - 25' RACK SIZE - 2X11 DULE ORIENTATION - PORTRAIT TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 239 362 0211 J E 239 676 1900	DR/ TMC - 3 ENG. AF MF - 3 MFG. AF SS - 3,
14590 GLOBAL PARKWAY	PROJECT NUMBE 21-7489
P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND C ANY REPRODUCTION

RTH FACING SLOPE SCALE 1/16

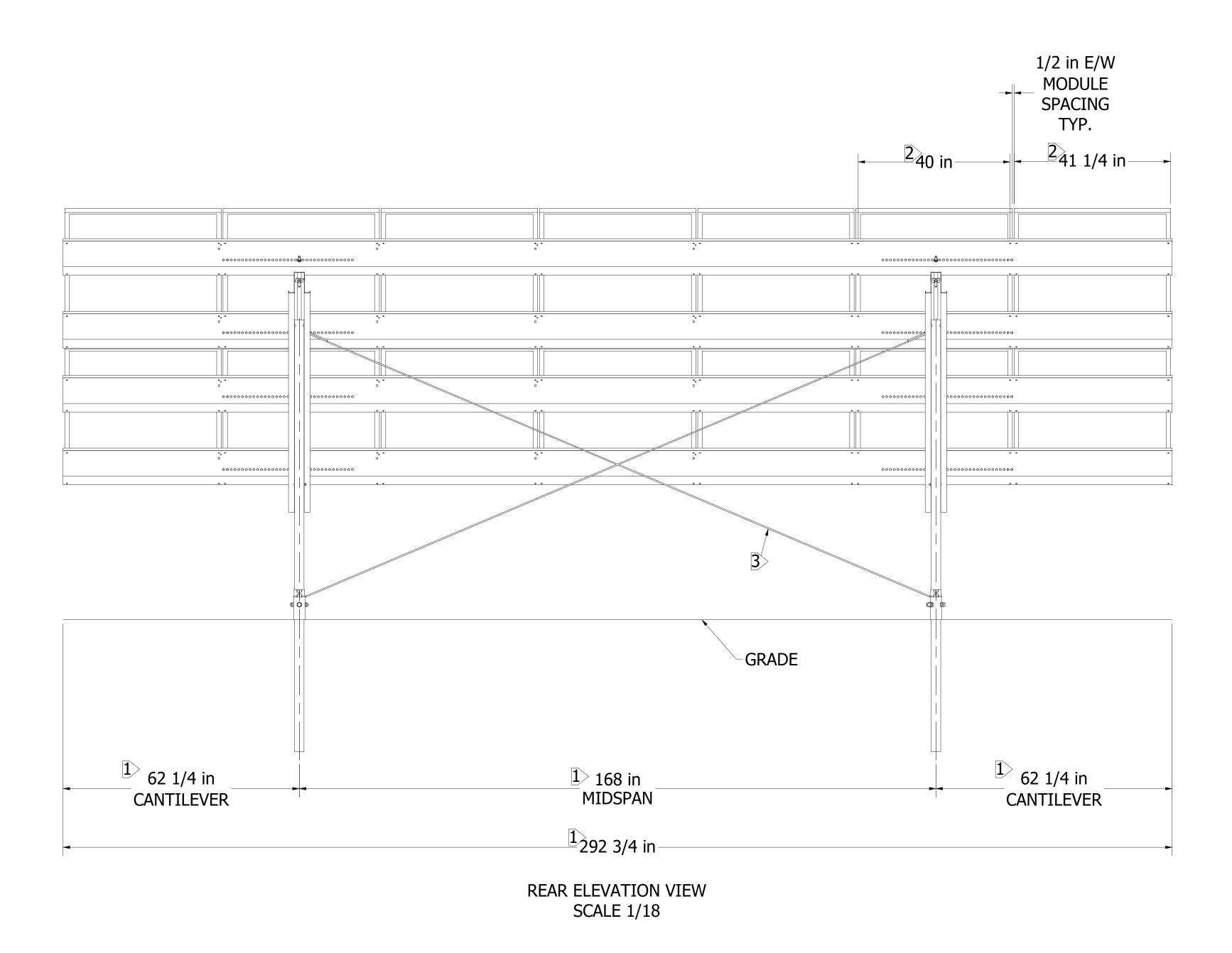
DRAWN BY	CHECKED BY			
- 3/29/2021	BS - 3/29/2021			TOTAL CALLS OF THE C
. APPROVED BY	PROJ. ENG. APPROVED BY	TERRA	s M	ART.
- 3/29/2021	BS - 3/29/2021			
. APPROVED BY	PROVED BY PROJECT NAME			SHEET SIZE
3/29/2021	29/2021 WATERFORD			D
MBER	CLIENT	MODULE	REV	SHEET NUMBER
39	GREENSKIES	GREENSKIES CS3W-XXXPB-AG 0		10 OF 18
	AL. THE INFORMATION CONTAINED IN THIS DRAW			
ON IN PART O	R AS A WHOLE WITHOUT WRITTEN PERMISSION O	F TERRASMART IS PROHIBITED.		





PROJECT SPECIFICATIONS: TMC - 3
TILT ANGLE - 25' ENG. APF
RACK SIZE - 2X7 MF - 3/
DDULE ORIENTATION - PORTRAIT MFG. APP SS - 3/
14590 GLOBAL PARKWAY 21-7489
239.362.0211 F 239.676.1900 WWW.TERRASMART.COM PROPRIETARY AND CO ANY REPRODUCTION
DULE ORIENTATION - PORTRAIT TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 239.362.0211 F 239.676.1900 PROPRIETARY AN

drawn by C - 3/29/2021	CHECKED BY BS - 3/29/2021			197 - San 2015	
NG. APPROVED BY - 3/29/2021	PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA!	5 M	ART.	
G. APPROVED BY		PROJECT NAME			
5 - 3/29/2021		WATERFORD			
NUMBER	CLIENT	MODULE	REV	SHEET NUMBER	
189	GREENSKIES	GREENSKIES CS3W-XXXPB-AG 0			
ND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. TION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.					



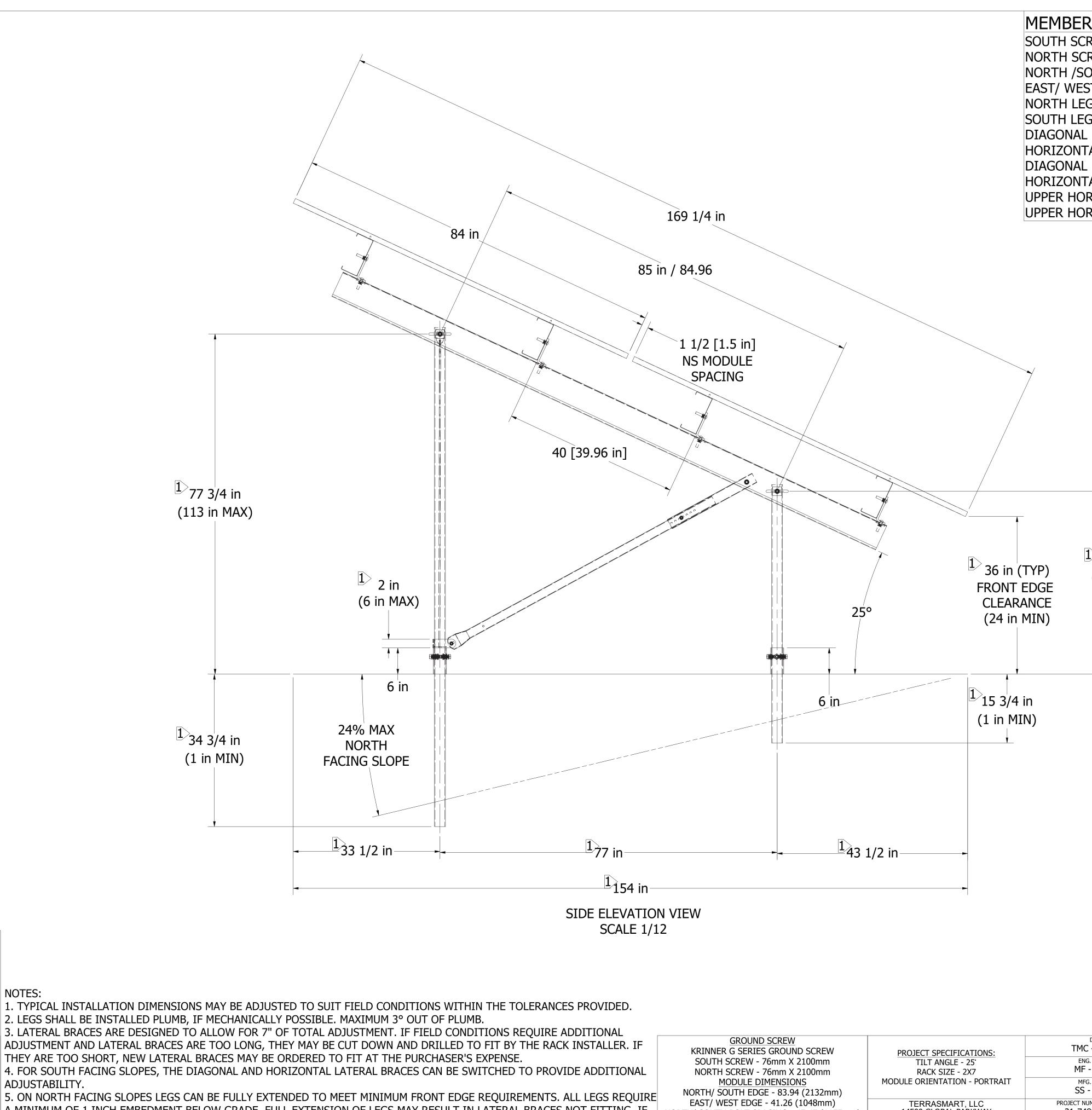


1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS W 2. PURLIN SPACING IS DEPENDENT ON MODULE SPECIFICATIONS, REFER TO PROJECT NOT 3. SEISMIC CROSS BRACING TO BE FIELD FIT.

ZEYN B. UZMAN CT PE# PEN.0023151

	GROUND SCREW		DR
	KRINNER G SERIES GROUND SCREW	PROJECT SPECIFICATIONS:	TMC -
	SOUTH SCREW - 76mm X 2100mm	TILT ANGLE - 25	ENG. A
	NORTH SCREW - 76mm X 2100mm	RACK SIZE - 2X7	MF - 3
	MODULE DIMENSIONS	MODULE ORIENTATION - PORTRAIT	MFG. A
	NORTH/ SOUTH EDGE - 83.94 (2132mm)		SS - 3
WITHIN THE TOLERANCES PROVIDED.	EAST/ WEST EDGE - 41.26 (1048mm)	TERRASMART, LLC	PROJECT NUME
DTES FOR MODULE SPECIFICATIONS.	NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm)	14590 GLOBAL PARKWAY	21-7489
TESTOR MODULE SPECIFICATIONS.	EAST/ WEST BOLT SPACING - 40.12 (1019mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900	PROPRIETARY AND
	THICKNESS - 1.18 (30mm)	WWW.TERRASMART.COM	ANY REPRODUCTION

DRAWN BY C - 3/29/2021	29/2021 BS - 3/29/2021			10 <u>10 10 10 10</u>				
NG. APPROVED BY - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRASMAR			ART.		
FG. APPROVED BY			PROJECT N	PROJECT NAME SHEET SIZE				
5 - 3/29/2021			WATERF	WATERFORD D				
NUMBER		CLIENT	MODULE			REV	SHEET NUMBER	
489		GREENSKIES CS3W-XXXPB-AG 0		0	12 OF 18			
ND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. TION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.								





NOTES:

2. LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB. THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE. ADJUSTABILITY.

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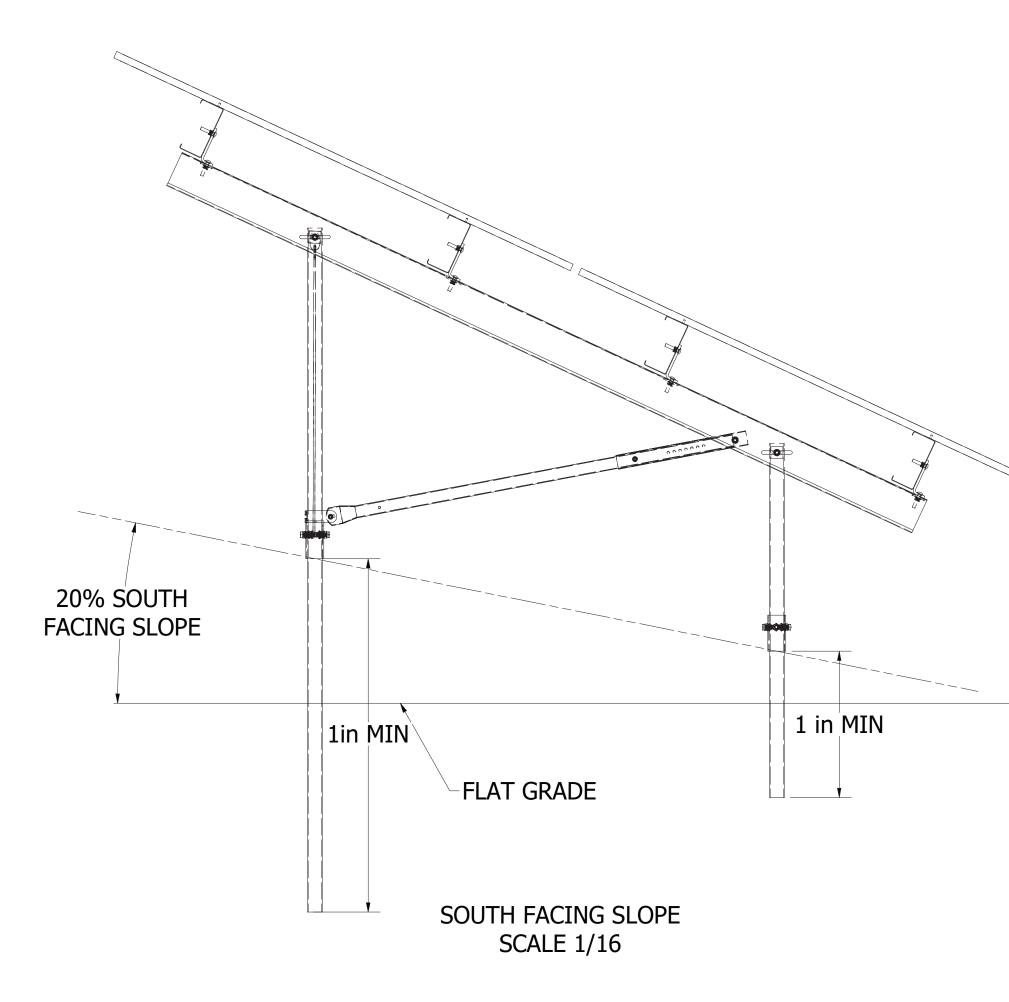
NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

TERRASMART, LLC 14590 GLOBAL PARKWAY 21-748 FORT MYERS, FL 33913 P 239.362.0211 | F 239.676.1900 WWW.TERRASMART.COM PROPRIETARY AND

MEMBER PROPERTIES SOUTH SCREW - 76 mm X 2100 mm NORTH SCREW - 76 mm X 2100 mm NORTH /SOUTH BEAM - RAFTER - LENGTH = 137.00 in EAST/ WEST BEAM - C-BEAM 9.0x4.0x0.0860 - LENGTH = 292.68 in NORTH LEG - MECH2.375 x 9GA. - LENGTH = 114.00 in SOUTH LEG - MECH2.375 x 9GA. - LENGTH = 59.00 in DIAGONAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 23.00 in HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in DIAGONAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 69 in HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = N/A in UPPER HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in UPPER HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = N/A in

> 1²41 3/4 in (58 in MAX)

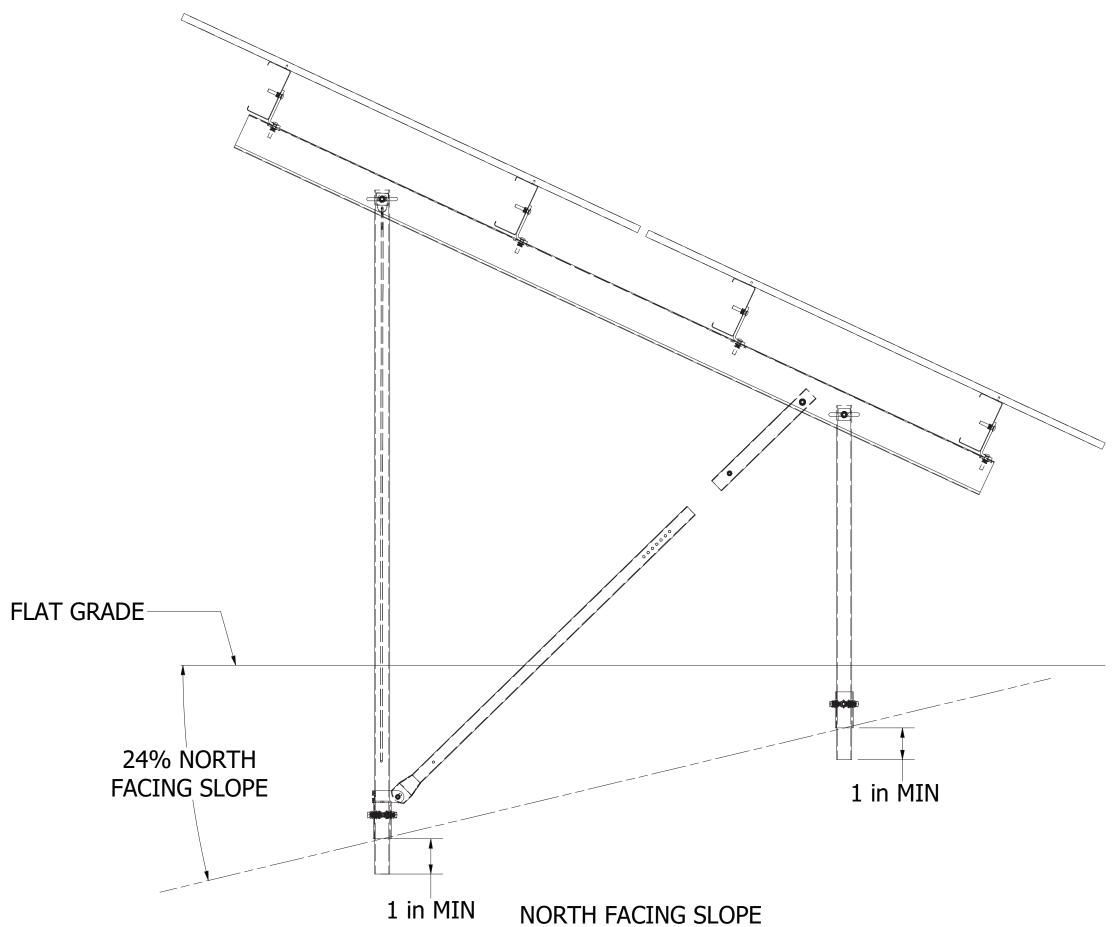
drawn by TMC - 3/29/2021		CHECKED BY BS - 3/29/2021					1. 10 - 10 - 10 - 10 -
ENG. APPROVED BY MF - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021				SM	ART.
MFG. APPROVED BY			PROJEC	T NAME			SHEET SIZE
SS - 3/29/2021		WATERFORD D					D
PROJECT NUMBER		CLIENT		MODULE		REV	SHEET NUMBER
21-7489		GREENSKIES CS3W-XXXPB-AG 0		13 OF 18			
		RMATION CONTAINED IN THIS DRAWIN			ERRASMART.		
ANY REPRODUCTION IN PART OF	r as a whole	E WITHOUT WRITTEN PERMISSION OF	TERRASM/	ART IS PROHIBITED.			





ZEYN B. UZMAN CT PE# PEN.0023151 TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED.
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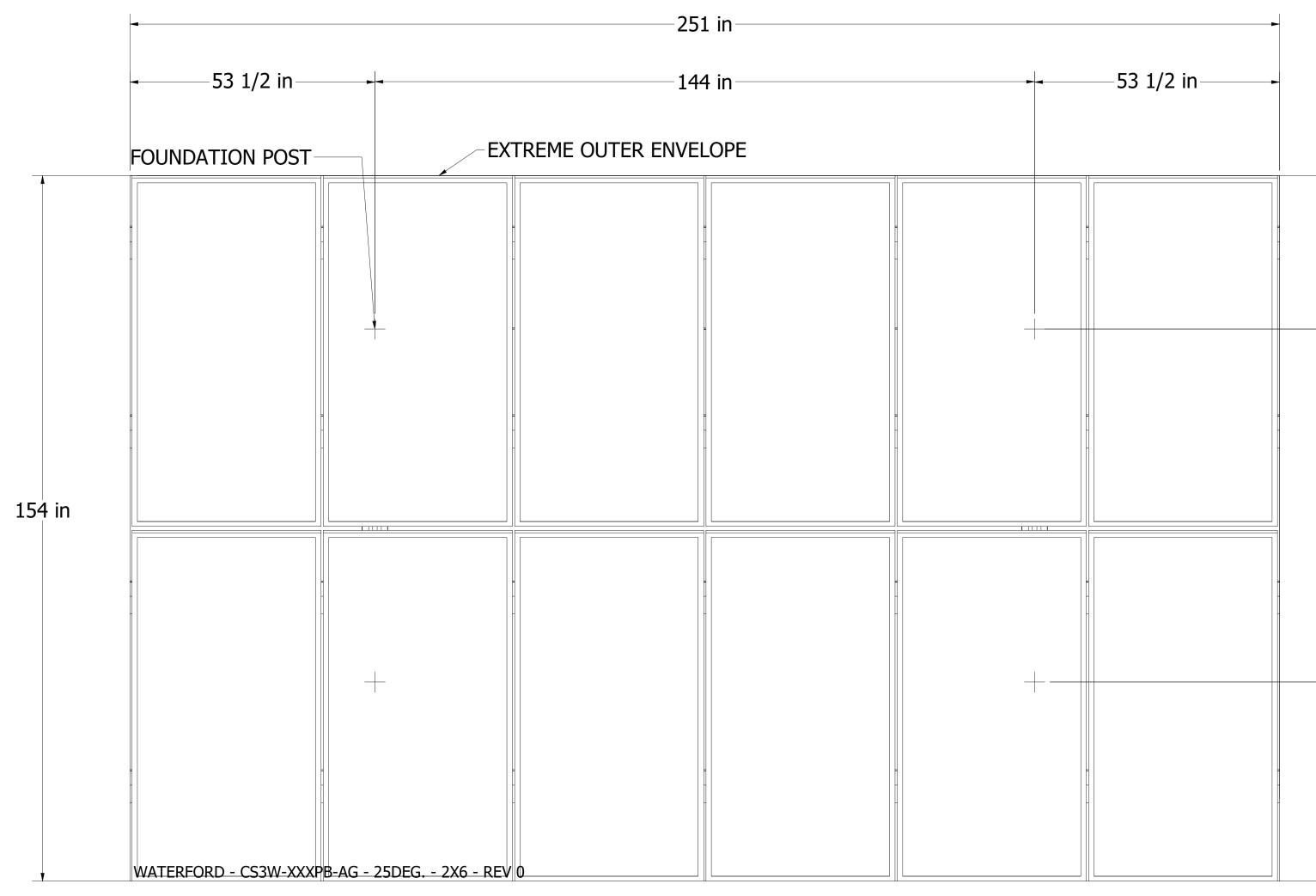


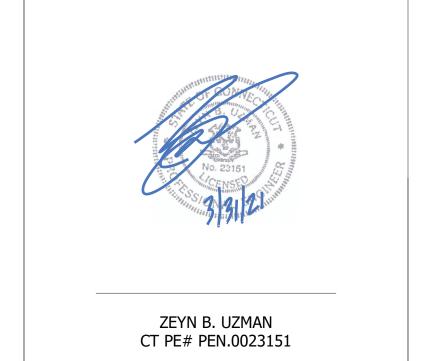
<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm <u>MODULE DIMENSIONS</u> NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

PROJECT SPECIFICATIONS:	dra TMC - 3
TILT ANGLE - 25' RACK SIZE - 2X7 MODULE ORIENTATION - PORTRAIT	eng. ap MF - 3/
	mfg. ap SS - 3/
TERRASMART, LLC 14590 GLOBAL PARKWAY	PROJECT NUMBE 21-7489
FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND CO ANY REPRODUCTION

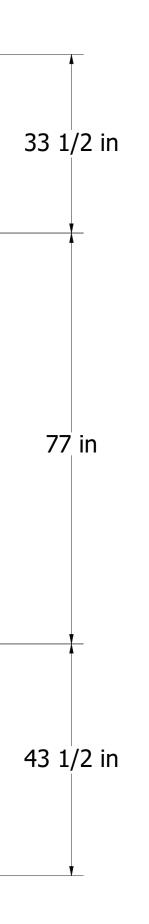
RTH FACING SLOPE SCALE 1/16

DRAWN BY - 3/29/2021 . APPROVED BY	CHECKED BY BS - 3/29/2021 PROJ. ENG. APPROVED BY	TERRA	5 M	ART.
- 3/29/2021 . APPROVED BY - 3/29/2021	BS - 3/29/2021	PROJECT NAME WATERFORD	SHEET SIZE D	
^{MBER} 39	CLIENT GREENSKIES	MODULE CS3W-XXXPB-AG	rev 0	SHEET NUMBER 14 OF 18
	L. THE INFORMATION CONTAINED IN THIS DRAWIN			



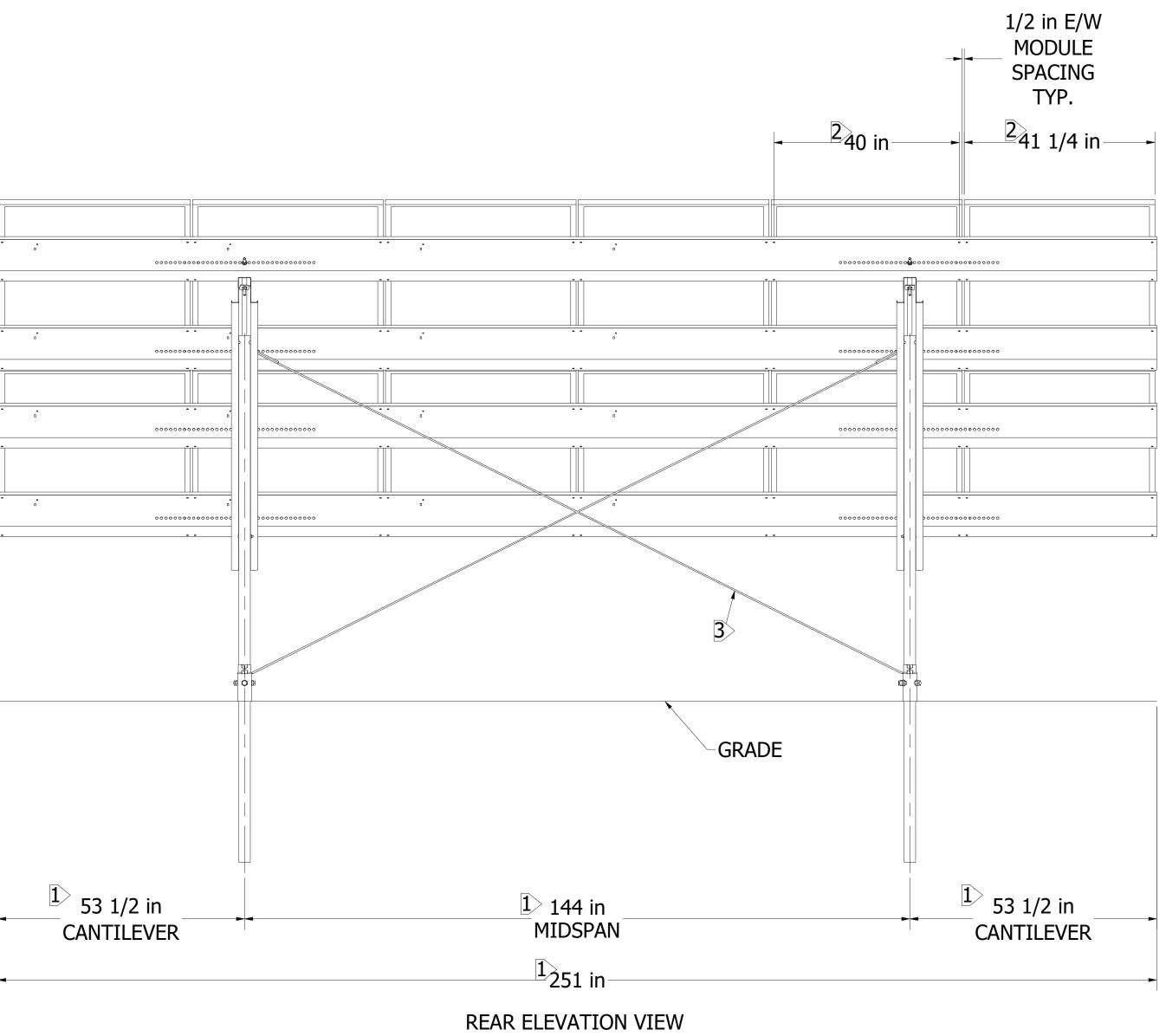


GROUND SCREW		DRA
KRINNER G SERIES GROUND SCREW	PROJECT SPECIFICATIONS:	TMC - 3
SOUTH SCREW - 76mm X 2100mm	TILT ANGLE - 25	ENG. APP
NORTH SCREW - 76mm X 2100mm	RACK SIZE - 2X6	MF - 3/
MODULE DIMENSIONS	MODULE ORIENTATION - PORTRAIT	MFG. APF
NORTH/ SOUTH EDGE - 83.94 (2132mm)		SS - 3/
EAST/ WEST EDGE - 41.26 (1048mm)	TERRASMART, LLC	PROJECT NUMBE
NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm)	14590 GLOBAL PARKWAY	21-7489
EAST/ WEST BOLT SPACING - 40.12 (1019mm)	FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900	PROPRIETARY AND CO
THICKNESS - 1.18 (30mm)	WWW.TERRASMART.COM	ANY REPRODUCTION



drawn by C - 3/29/2021		CHECKED BY BS - 3/29/2021		TERRASMAR			
G. APPROVED BY - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021				ART.	
G. APPROVED BY		PROJECT NAME			SHEET SIZE		
- 3/29/2021		WATERFORD			D		
IUMBER		CLIENT	MODULE		REV	SHEET NUMBER	
I89 GREENSKIES		CS3W-XXXPB-AG		0	15 OF 18		
ND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. TON IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.							

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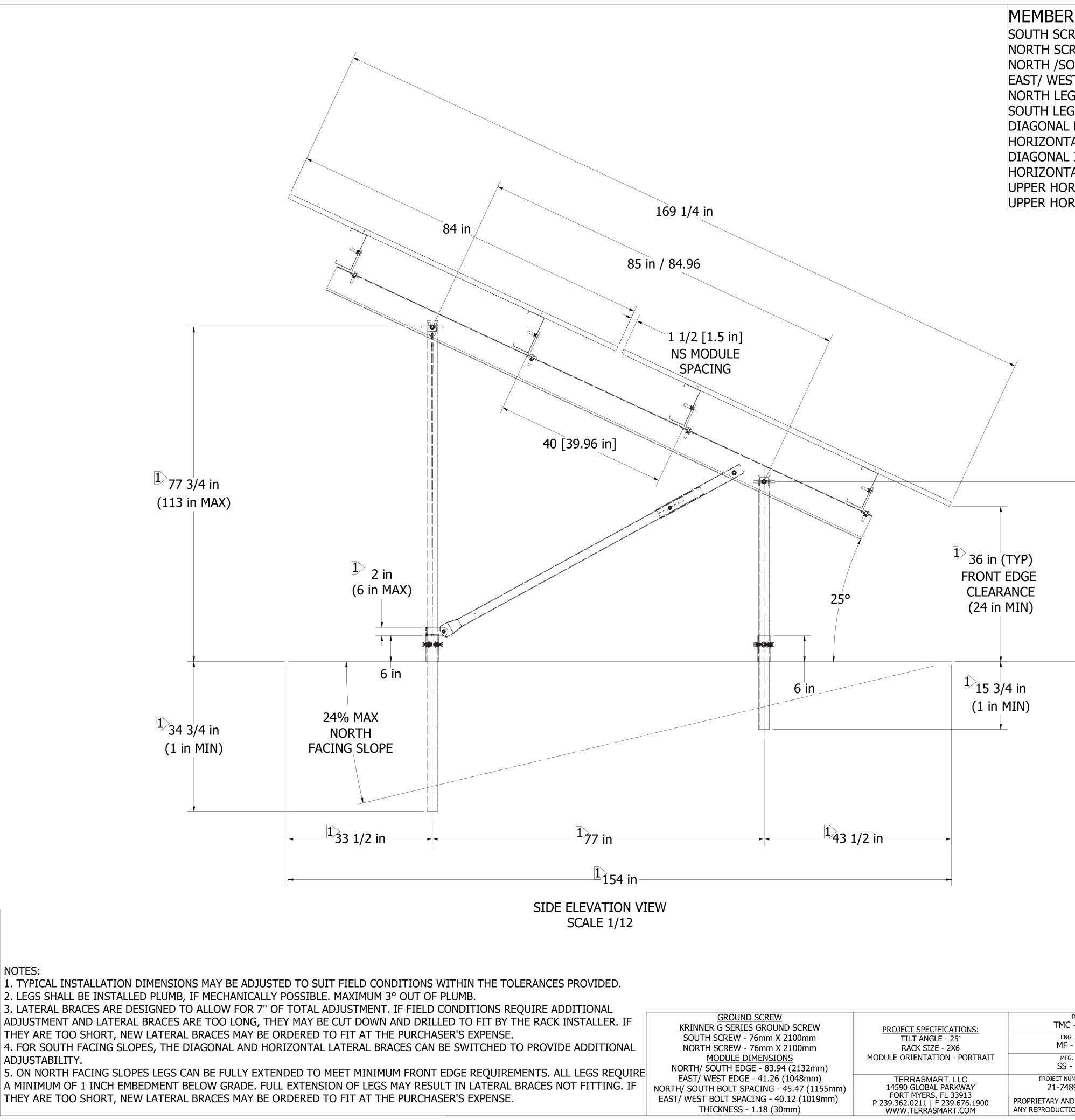




<u>GROUND SCREW</u> KRINNER G SERIES GROUND SCREW TMC ENG. MF -PROJECT SPECIFICATIONS: TILT ANGLE - 25⁻ SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm RACK SIZE - 2X6 MODULE ORIENTATION - PORTRAIT MFG. SS -MODULE DIMENSIONS NOTES: NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) 1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED. 2. PURLIN SPACING IS DEPENDENT ON MODULE SPECIFICATIONS, REFER TO PROJECT NOTES FOR MODULE SPECIFICATIONS. TERRASMART, LLC 14590 GLOBAL PARKWAY FORT MYERS, FL 33913 P 239.362.0211 | F 239.676.1900 WWW.TERRASMART.COM PROJECT NUI 21-748 EAST/ WEST BOLT SPACING - 40.12 (1019mm) PROPRIETARY AND 3, SEISMIC CROSS BRACING TO BE FIELD FIT. THICKNESS - 1.18 (30mm)

SCALE 1/18

DRAWN BY TMC - 3/29/2021 ENG. APPROVED BY	CHECKED BY BS - 3/29/2021 PROJ. ENG. APPROVED BY		TERRASMA	
MF - 3/29/2021 MFG. APPROVED BY	BS - 3/29/2021	PROJECT NAME		SHEET SIZE
SS - 3/29/2021		WATERFORD		D
PROJECT NUMBER	CLIENT	MODULE	REV	SHEET NUMBER
21-7489	GREENSKIES	CS3W-XXXPB-AG	0	16 OF 18
PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TERRASMART. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF TERRASMART IS PROHIBITED.				





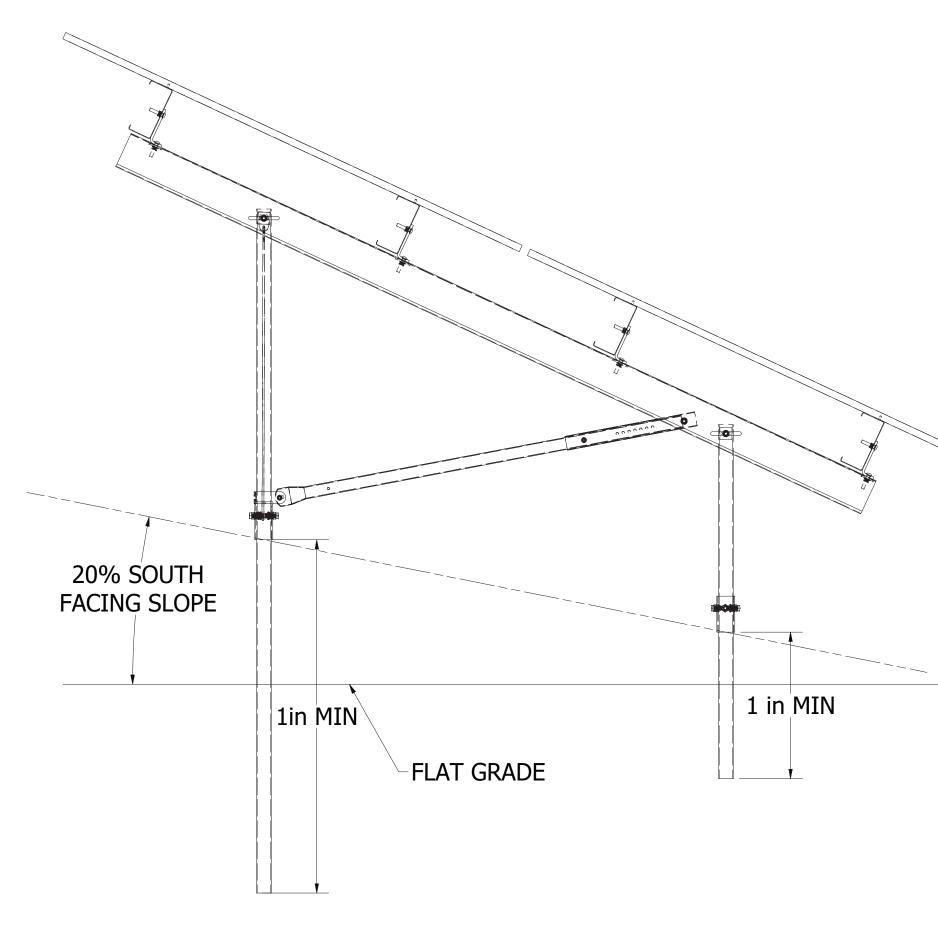
ZEYN B. UZMAN CT PE# PEN.0023151 2. LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB. THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE. ADJUSTABILITY.

THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.

MEMBER PROPERTIES SOUTH SCREW - 76 mm X 2100 mm NORTH SCREW - 76 mm X 2100 mm NORTH /SOUTH BEAM - RAFTER - LENGTH = 137.00 in EAST/ WEST BEAM - C-BEAM 9.0x4.0x0.0860 - LENGTH = 250.92 in NORTH LEG - MECH2.375 x 9GA. - LENGTH = 114.00 in SOUTH LEG - MECH2.375 x 9GA. - LENGTH = 59.00 in DIAGONAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = 23.00 in HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in DIAGONAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = 69 in HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = N/A in UPPER HORIZONTAL EXTERNAL LATERAL BRACE - MECH2.360 x 13GA. - LENGTH = N/A in UPPER HORIZONTAL INTERNAL LATERAL BRACE - MECH2.000x12GA.- LENGTH = N/A in

> 1 41 3/4 in (58 in MAX)

drawn by C - 3/29/2021		CHECKED BY BS - 3/29/2021		TERRATI	
G. APPROVED BY - 3/29/2021		PROJ. ENG. APPROVED BY BS - 3/29/2021	TERRA	> M	ARI
G. APPROVED BY		PROJECT NAME SHEET SIZE			SHEET SIZE
- 3/29/2021		WATERFORD			D
UMBER		CLIENT	MODULE	REV	SHEET NUMBER
189		GREENSKIES	CS3W-XXXPB-AG 0		17 OF 18
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SOUTH FACING SLOPE SCALE 1/16

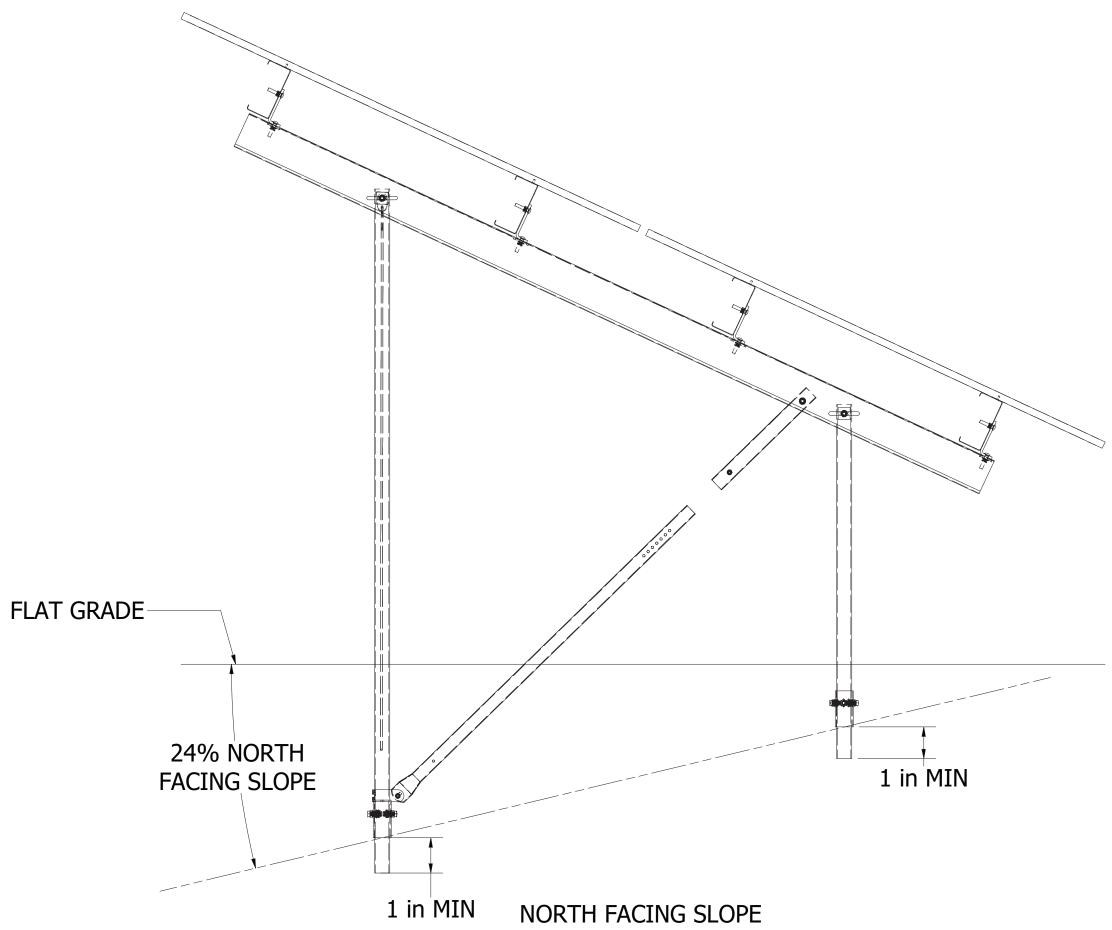


NOTES:

ZEYN B. UZMAN CT PE# PEN.0023151

1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WITHIN THE TOLERANCES PROVIDED. 2. LEGS SHALL BE INSTALLED PLUMB, IF MECHANICALLY POSSIBLE. MAXIMUM 3° OUT OF PLUMB. 3. LATERAL BRACES ARE DESIGNED TO ALLOW FOR 7" OF TOTAL ADJUSTMENT. IF FIELD CONDITIONS REQUIRE ADDITIONAL ADJUSTMENT AND LATERAL BRACES ARE TOO LONG, THEY MAY BE CUT DOWN AND DRILLED TO FIT BY THE RACK INSTALLER. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE. 4. FOR SOUTH FACING SLOPES, THE DIAGONAL AND HORIZONTAL LATERAL BRACES CAN BE SWITCHED TO PROVIDE ADDITIONAL ADJUSTABILITY.

5. ON NORTH FACING SLOPES LEGS CAN BE FULLY EXTENDED TO MEET MINIMUM FRONT EDGE REQUIREMENTS. ALL LEGS REQUIRE A MINIMUM OF 1 INCH EMBEDMENT BELOW GRADE. FULL EXTENSION OF LEGS MAY RESULT IN LATERAL BRACES NOT FITTING. IF THEY ARE TOO SHORT, NEW LATERAL BRACES MAY BE ORDERED TO FIT AT THE PURCHASER'S EXPENSE.



GROUND SCREW KRINNER G SERIES GROUND SCREW SOUTH SCREW - 76mm X 2100mm NORTH SCREW - 76mm X 2100mm MODULE DIMENSIONS NORTH/ SOUTH EDGE - 83.94 (2132mm) EAST/ WEST EDGE - 41.26 (1048mm) NORTH/ SOUTH BOLT SPACING - 45.47 (1155mm) EAST/ WEST BOLT SPACING - 40.12 (1019mm) THICKNESS - 1.18 (30mm)

PROJECT SPECIFICATIONS: TILT ANGLE - 25 [.] RACK SIZE - 2X6	DRA TMC - 3 ENG. AP MF - 3;
MODULE ORIENTATION - PORTRAIT	mfg. ap SS - 3/
TERRASMART, LLC 14590 GLOBAL PARKWAY	PROJECT NUMBE 21-7489
FORT MYERS, FL 33913 P 239.362.0211 F 239.676.1900 WWW.TERRASMART.COM	PROPRIETARY AND C ANY REPRODUCTION

SCALE 1/16

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- 3/29/2021	BS - 3/29/2021			The second second second	
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3/29/2021	BS - 3/29/2021				
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3/29/2021	21 WATERFORD		D		
MBER	CLIENT	MODULE	REV	SHEET NUMBER	
9 GREENSKIES		CS3W-XXXPB-AG	0	18 OF 18	
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