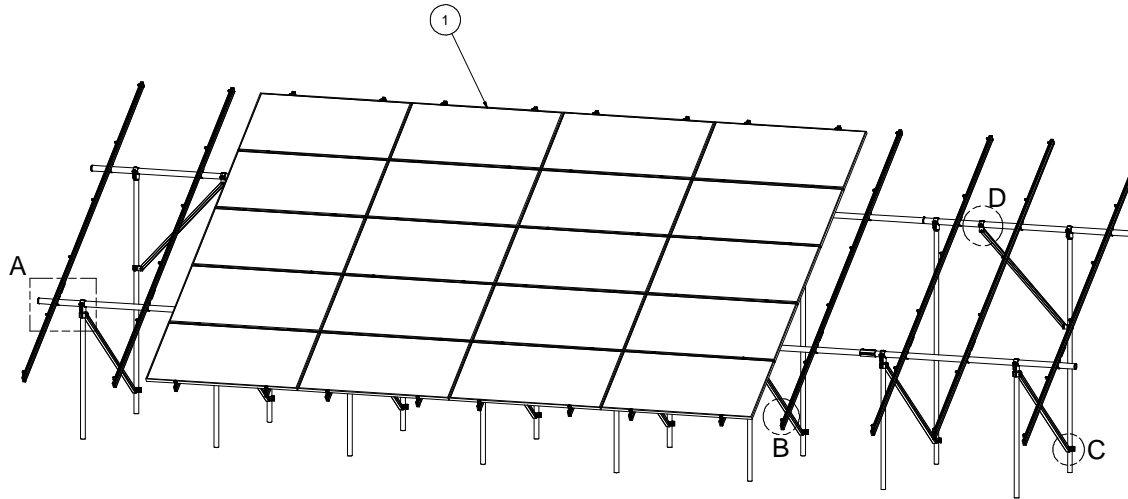


**NOTES: UNLESS OTHERWISE SPECIFIED**

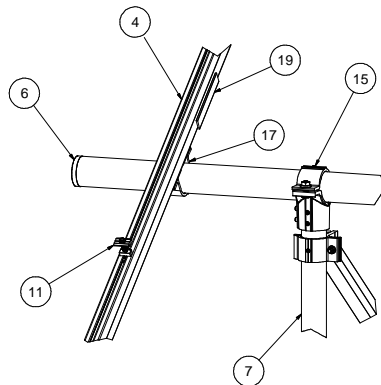
- THIS DRAWING IS NOT FOR CONSTRUCTION UNTIL ENGINEERING HAS REVIEWED AND STAMPED THIS DOCUMENT.
- DIMENSIONS SHOWN ARE INCHES.
- THE SELF-BONDING SYSTEM AND SINGLE GROUND LUG IS FOR USE WITH PV MODULES THAT HAVE A MAXIMUM SERIES FUSE RATING OF 30A.
- MATERIALS ARE AS SPECIFIED OR EQUIVALENT:  
HARDWARE: 304 STAINLESS STEEL  
FABRICATED EXTRUDED PARTS: 6005-T5 ALUMINUM ALLOY  
FABRICATED DIE CAST PARTS: ANSI/AA A380 ALUMINUM ALLOY  
STEEL PIPE: SCHEDULE 40 GALVANIZED  
ALUMINUM PIPE: SCHEDULE 10 ANODIZED
- THE MAXIMUM PERMISSIBLE LENGTH OF ANY STRUCTURE SHALL BE 200 FT. FOR SYSTEMS USING A SHARED RAIL CONFIGURATION, A THERMAL BREAK IS REQUIRED IN THE RAIL EVERY 40 FT. PER THE DRAWING DETAILS.
- 4LXN-3LXN-2PXN-30DEG-GSM-AGM-BGM-PGM.
- PANEL DIMENSIONS ARE AS FOLLOWS  
STANDARD (SP): MAX 82"X42"  
OVERSIZE (OP): MAX 85"X45"
- APPROVED RAIL PROFILES - STANDARD PANELS  
A20288-XXX (HR300 RAIL), A20297-001 (END CAP), K10343-002 (U-CLAMP KIT), K10178-001 (RAIL SPLICE KIT), A20145-XXX (HR350 RAIL), A20285-001 (END CAP), K10343-001 (U-CLAMP KIT), K10177-001 (RAIL SPLICE KIT).
- APPROVED RAIL PROFILES - OVERSIZE PANELS  
\* A20288-XXX (HR300 RAIL), A20297-001 (END CAP), K10343-002 (U-CLAMP KIT), K10178-001 (RAIL SPLICE KIT), \* A20145-XXX (HR350 RAIL), A20285-001 (END CAP), K10343-001 (U-CLAMP KIT), K10177-001 (RAIL SPLICE KIT).
- K10224-XXX END CLAMP KIT OR K10299-XXX ADJ. END CLAMP KIT.
- FOUNDATION TYPES:  
GSM = GROUND SCREW GROUND MOUNT  
AGM = HELICAL AUGER GROUND MOUNT  
PGM = POST-IN-CONCRETE GROUND MOUNT  
BSM = BALLAST GROUND MOUNT



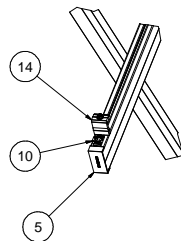
**5L  
5-IN-LANDSCAPE**

**VECTOR ENGINEERS**  
651 W. GALENA PARK BLVD. STE. 101 PHONE (801) 990-1775  
DRAPER, UTAH 84020 WWW.VECTORSE.COM  
**VECTOR PROJECT #: U2716.0319.211**  
**STRUCTURAL ONLY**

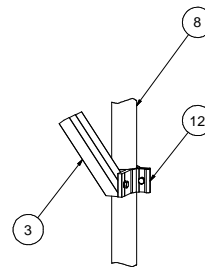
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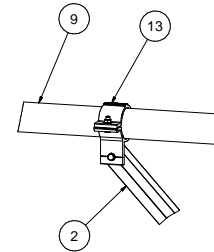
**DETAIL A**



**DETAIL B**



**DETAIL C**



**DETAIL D**

Packet B6

<b>Model Code</b>	<b>ASCE 7-10</b>
Exposure Category	C and Lower
Wind Speed	105 mph and Lower
Ground Snow Load	30 PSF and Lower
Tilt	30 DEG



04/17/2024

19		RAIL SPLICE KIT VARIES PER NOTE 8 & 9	14
18	K10448-001	2.5" PIPE SPLICE KIT	4
17	K10343-001	2.5" AL PIPE U-CLAMP KIT	28
16	K10342-001	2.5" PIPE SPLICE KIT	4
15	K10341-001	2.5" PIPE TEE KIT	16
14	K10224-XXX	END CLAMP KIT WITH COLLAR	28
13	K10222-001	2.5" PIPE CLAMP KIT	2
12	K10219-001	2" AL PIPE CLAMP KIT	18
11	K10180-001	GROUNDING MID-CLAMP KIT WITH T COLLAR BOLT AND GROUNDING BASE	56
10	K10179-002	SELF-GROUNDING LUG KIT	7
9	A21168-XXX	PIPE, HSS, 2.875" OD X 12 GAUGE, L=XXX	10
8	A21165-XXX	PIPE, HSS, 2.375" OD X 12 GAUGE, L=XXX	8
7	A21165-XXX	PIPE, HSS, 2.375" OD X 12 GAUGE, L=XXX	8
6	A20380-001	2.5" PIPE END CAP	4
5		HELIO RAIL, VARIES PER NOTE 8 & 9	28
4		HELIO RAIL, VARIES PER NOTE 8 & 9	14
3	A20164-XXX	1.5X2 AL TUBE BRACE, L=XXX	8
2	A20164-XXX	1.5X2 AL TUBE BRACE, L=XXX	2
1		PANEL	35

ITEM PART NUMBER DESCRIPTION

SEE BOM

Third Angle Projection

**SunModo Corp.**  
14800 NE 65TH STREET, VANCOUVER WA 98682

TITLE: PACKET B6

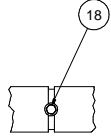
DATE: 08/26/2021

CHECKED BY: D

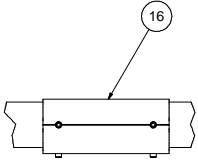
SCALE: SHEET 1 of 4

**NOTES:**

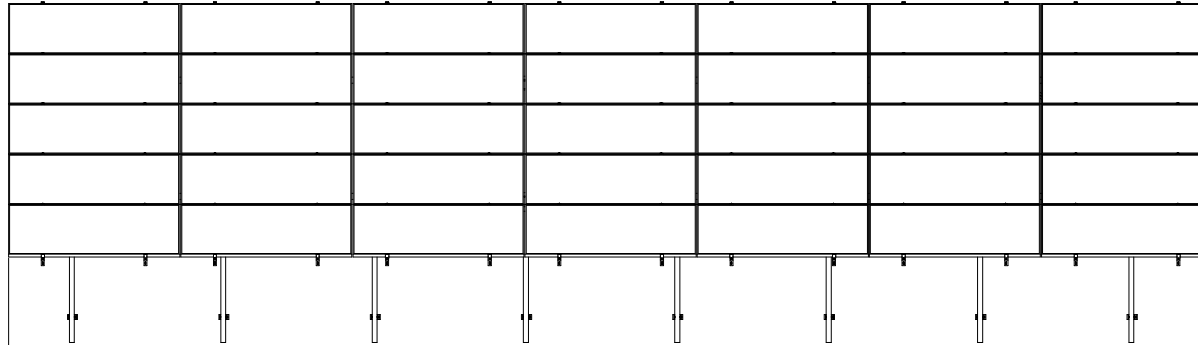
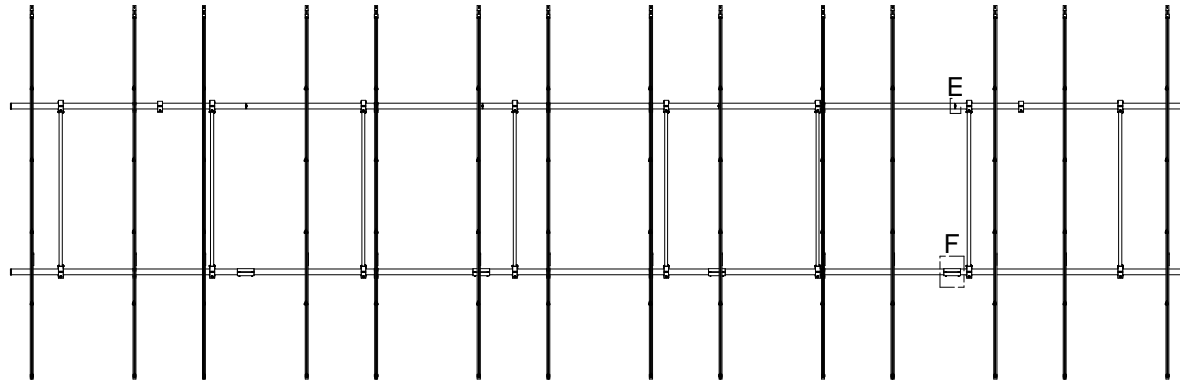
- 1. DIMENSIONS LABELED AS MAX ARE MAXIMUM ALLOWABLE AND MAY RESULT IN END POSTS BEING OUTSIDE ARRAY EDGES. MAXIMUM DIMENSIONS MAY BE REDUCED IF DESIRED.
- 2. SEE NOTE 7 OF COVER PAGE FOR PANEL SIZES.



DETAIL E



DETAIL F



22 MAX      66 MAX

5L  
5-IN-LANDSCAPE



04/17/2024



651 W. GALENA PARK BLVD. STE. 101    PHONE (801) 990-1775  
DRAPER, UTAH 84020    WWW.VECTORSE.COM

**VECTOR PROJECT #: U2716.0319.211**  
**STRUCTURAL ONLY**

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<b>SunModo Corp.</b>	
TITLE	PACKET B6
D	DRAWING NUMBER
SCALE:	SHEET 2 of 4 REV

DIMENSIONS - STA	
ITEM	5L
A	215
B	37
C	56
D	120

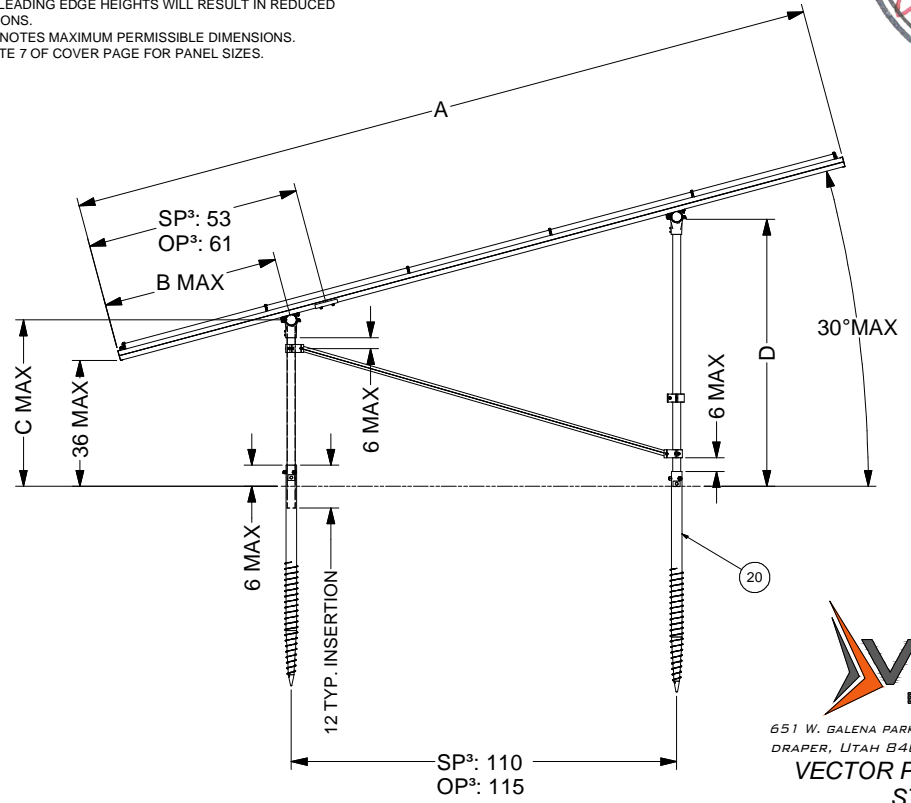
DIMENSIONS - OVER	
ITEM	5L
A	230
B	40
C	58
D	125

- NOTES**
1. DIMENSIONS IN TABLE ARE SHOWN AT MAXIMUM TILT & LEADING EDGE HEIGHT. PROJECTS WITH LOWER TILTS & LEADING EDGE HEIGHTS WILL RESULT IN REDUCED DIMENSIONS.
  2. MAX DENOTES MAXIMUM PERMISSIBLE DIMENSIONS.
  3. SEE NOTE 7 OF COVER PAGE FOR PANEL SIZES.

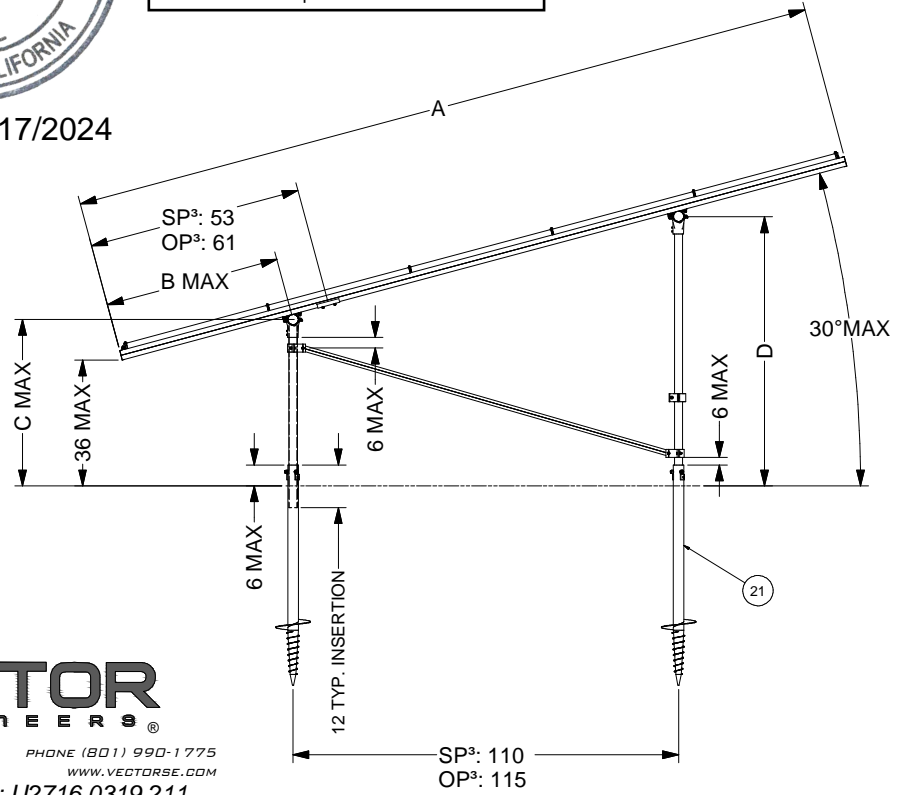


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04/17/2024



**GROUND SCREW GROUND MOUNT (GSM)**



**AUGER GROUND MOUNT (AGM)**



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**VECTOR PROJECT #: U2716.0319.211**  
**STRUCTURAL ONLY**

ITEM	PART NUMBER	DESCRIPTION	QTY
21	K10414-XXX	ANCHOR, 10" HELIX SCREW AUGER, L=XXX	
20	K10423-XXX	ANCHOR, SCREW AUGER KIT, L=XXX	

**SunModo Corp.**

TITLE: PACKET B6

D: DRAWING NUMBER

SCALE: SHEET 3 of 4 REV

DIMENSIONS - STA	
ITEM	5L
A	215
B	37
C	56
D	120

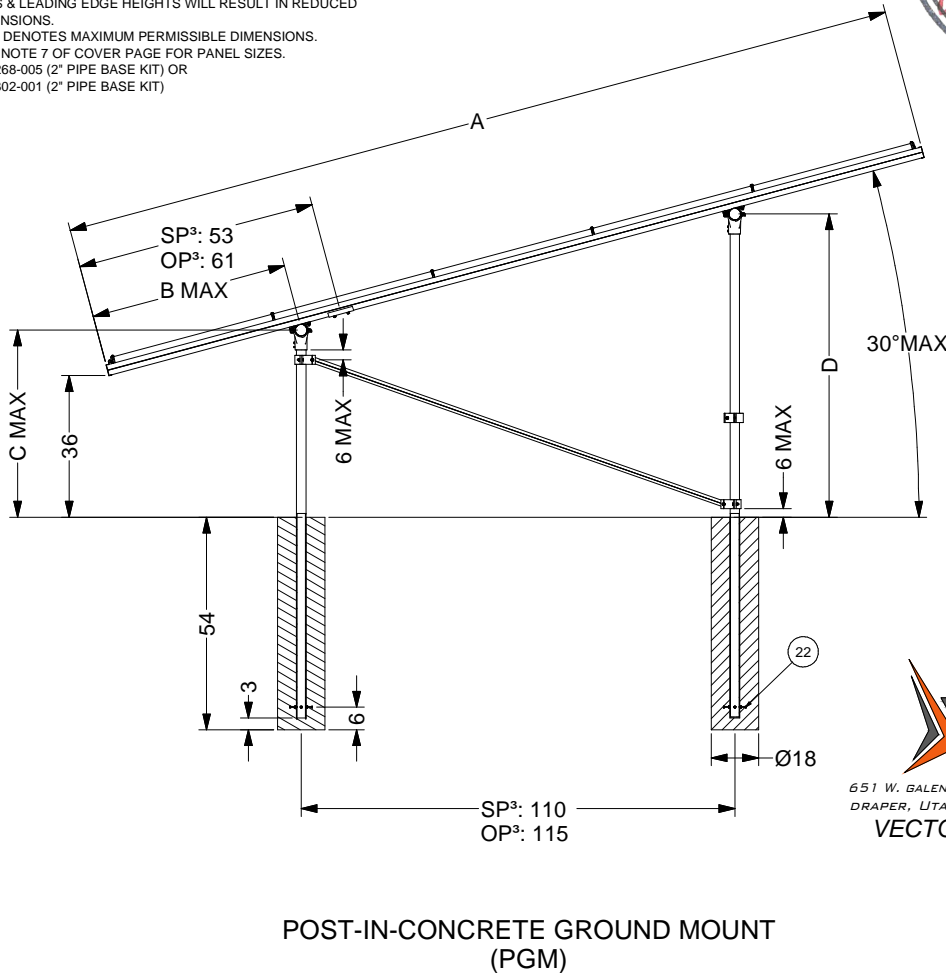
DIMENSIONS - OVER	
ITEM	5L
A	230
B	40
C	58
D	125

- NOTES**
1. DIMENSIONS IN TABLE ARE SHOWN AT MAXIMUM TILT & LEADING EDGE HEIGHT. PROJECTS WITH LOWER TILTS & LEADING EDGE HEIGHTS WILL RESULT IN REDUCED DIMENSIONS.
  2. MAX DENOTES MAXIMUM PERMISSIBLE DIMENSIONS.
  3. SEE NOTE 7 OF COVER PAGE FOR PANEL SIZES.
  4. K10268-005 (2" PIPE BASE KIT) OR K10302-001 (2" PIPE BASE KIT)

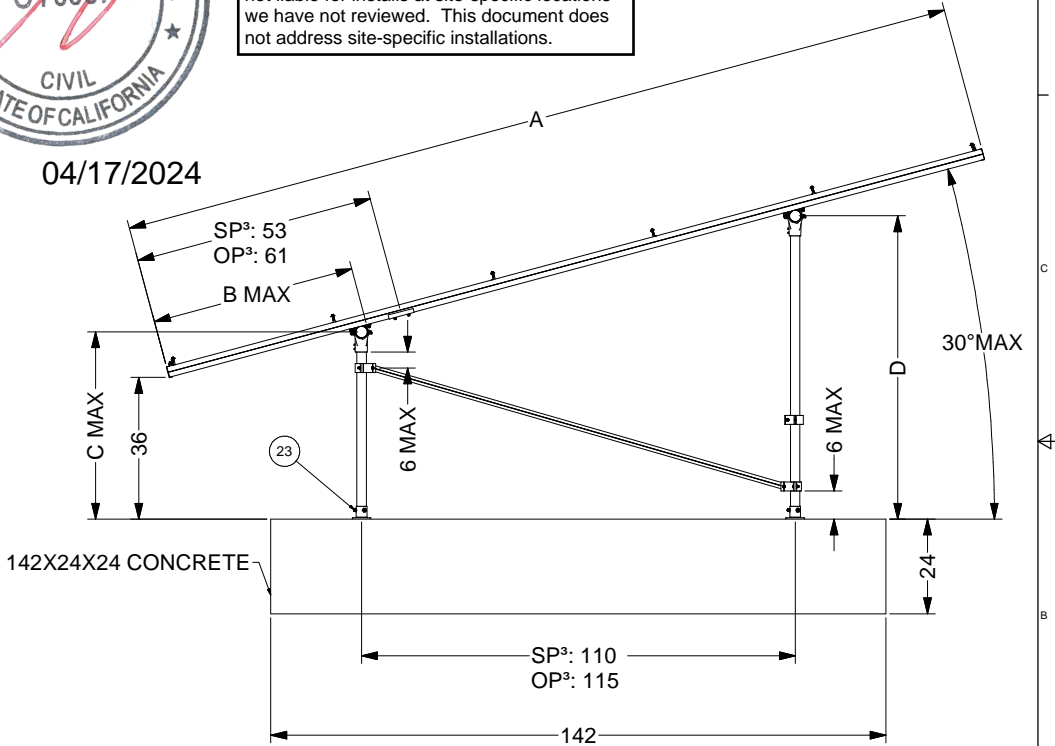


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04/17/2024



**POST-IN-CONCRETE GROUND MOUNT (PGM)**



**BALLAST GROUND MOUNT (BGM)**

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**VECTOR PROJECT #: U2716.0319.211**  
**STRUCTURAL ONLY**

23		POST BASE. VARIES PER NOTE	
	4		
22	K10186-001	EMBEDDED 2.0" PIPE CLAMP KIT	
ITEM	PART NUMBER	DESCRIPTION	QTY
<b>SunModo Corp.</b>			
TITLE			
PACKET B6			
DRAWING NUMBER			
D			
SCALE:	SHEET 4 of 4	REV	