## GENERAL REQUIREMENTS

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- 1. USE CURRENT APPROVED SWI BOM AS THE MASTER CONTROL DOCUMENT FOR MATERIAL, DOCUMENTS AND SOFTWARE. THIS BOM LISTS THE CORRECT REVISION OF EACH ITEM THAT IS TO BE PACKED.
- 2. PRIOR TO SHIPMENT, ALL LABELS MUST HAVE THE PROPER NUMBERS FOR SKU, ESN, IMEI, ETC, AS SPECIFIED IN THE LABEL DRAWING SPECS FOR THIS SKU
- 3. SHIPPED PRODUCT MUST CONFORM TO THE STANDARD DESCRIBED IN SWI DOC# 2140122 -GENERAL COSMETIC SPEC FOR SWI.
- 4. DIMENSIONS ARE SHOWN IN MILLIMETERS AND INCHES. DIMENSIONS IN INCHES ARE SHOWN IN [BRACKETS].
- 5. RECOMMENDED PACKOUT SEQUENCE IS DESCRIBED BELOW:

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- 5.1 APPLY MODULE LABEL OR LASER ETCH AND THEN PERFORM CONFIGURATION
- 5.2 BAKE MODULES AND THEN PERFORM FLATNESS CHECK IF REQUIRED BY PCS
- 5.3 PACKAGE MODULES INTO TAPE/REEL
- 5.4 LABEL INSERT REELS INTO VACUUM ESD BAG AND LABEL VACUUM ESD BAG, THEN INTO MANUFACTURING BOX

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- 5.5 CLOSE, SEAL AND LABEL THE MANUFACTURING BOX
- 5.6 IF REQUIRED, INSERT MANUFACTURING BOX(ES) INTO APPROPRIATE OUTER BOXES. CLOSE, SEAL AND LABEL. 5.7 IF REQUIRED, PALLETIZE OUTER BOXES
- 5.8 PREPARE SHIPPING DOCUMENTS ACCORDING TO SIERRA LOGISTICS DEPT INSTRUCTIONS
- 6. THIS IS A TEMPLATE PACKOUT DRAWING FOR MANY DIFFERENT PRODUCTS. THERE ARE ENOUGH COMMONALITY BETWEEN THE SOLDERABLE MODULES THAT ONE TEMPLATE PACKOUT DRAWING CAN BE MADE. HOWEVER, SOME DIFFERENCES ARE PRESENT AND THE FACTORY SHALL REFERENCE DRAWING 2102002 FOR EXACT DETAILS CONCERNING: PIN DOT ORIENTATION. REF. MAXIMUM QUANTITY. OUTER BOX MAXIMUM QUANTITY. ETC. ALSO NOTE THAT PICTURES IN THIS PACKOUT DRAWING ARE FOR REPRESENTATION AND DESCRIPTION PURPOSES ONLY. WHEN FACTORY SEES AN EMPTY FIELD \_\_\_ IN THIS PACKOUT DRAWING, FACTORY SHALL REFERENCE DOCUMENT 2102002 FOR APPROPRIATE INFORMATION PERTAINING TO THE PRODUCT BEING PACKED OUT.
- 7. ONLY PACK OUT OR APPLY ITEMS WHOSE REFERENCE DESIGNATORS ARE FOUND IN THE SKU BOM.

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.X       ±       .05       .X       ±       .25       ANGLES         .XX       ±       .01       .XX       ±       .13       X       ±5°         .XXX       ±       .005       .XXX       ±       .05       X.X       ±1°	DRWN A.LEE DES ENGR A.LEE CHK G.BOISSET	DATE 06-JUL-15 06-JUL-15 06-JUL-15 DATE 06-JUL-15	·\$	<u>ب</u> ه		A	13811 W ireless W a Richmond, British Canada. V6V 3A4 Tel: 604.231.1100 Fax: 604.231.1109	ay Columbia
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	KEY DESC	RIPTION	DATE	DRAWN	APPD		
	1 PF	RODUCTION RELEASE	06-JUL-15	AL	GB		
	2 A[	)DED HL3 PRODUCT FAM	08-SEP-15	AL	TC		
	3 AL FC UF E\	ONE DOCUMENT; UPDAT OR PACKING PIZZA BOX PDATED VERBIAGE REGA ACUATION ASSOCIATED	ED INSTRUCTIONS ES INTO OUTER BOX; RDING AIR	09-FEB-16	AL	AL	H
		2 AE RE AL 3 FC UF EV	2 ADDED HL3 PRODUCT FAN REMOVED TABLE 1 AND M ALONE DOCUMENT; UPDAT FOR PACKING PIZZA BOX UPDATED VERBIAGE REGA	2 ADDED HL3 PRODUCT FAMILY REMOVED TABLE 1 AND MOVED TO STAND- ALONE DOCUMENT; UPDATED INSTRUCTIONS FOR PACKING PIZZA BOXES INTO OUTER BOX; UPDATED VERBIAGE REGARDING AIR EVACUATION ASSOCIATED WITH SEALING	2ADDED HL3 PRODUCT FAMILY08-SEP-15REMOVED TABLE 1 AND MOVED TO STAND- ALONE DOCUMENT; UPDATED INSTRUCTIONS FOR PACKING PIZZA BOXES INTO OUTER BOX; UPDATED VERBIAGE REGARDING AIR EVACUATION ASSOCIATED WITH SEALING09-FEB-16	2ADDED HL3 PRODUCT FAMILY08-SEP-15ALREMOVED TABLE 1 AND MOVED TO STAND- ALONE DOCUMENT; UPDATED INSTRUCTIONS FOR PACKING PIZZA BOXES INTO OUTER BOX; UPDATED VERBIAGE REGARDING AIR EVACUATION ASSOCIATED WITH SEALING09-FEB-16AL	2ADDED HL3 PRODUCT FAMILY08-SEP-15ALTCREMOVED TABLE 1 AND MOVED TO STAND- ALONE DOCUMENT; UPDATED INSTRUCTIONS FOR PACKING PIZZA BOXES INTO OUTER BOX; UPDATED VERBIAGE REGARDING AIR EVACUATION ASSOCIATED WITH SEALING09-FEB-16ALAL

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## APPLY MODULE LABEL OR ETCH SKU INFORMATION AND PERFORM CUSTOMIZATION

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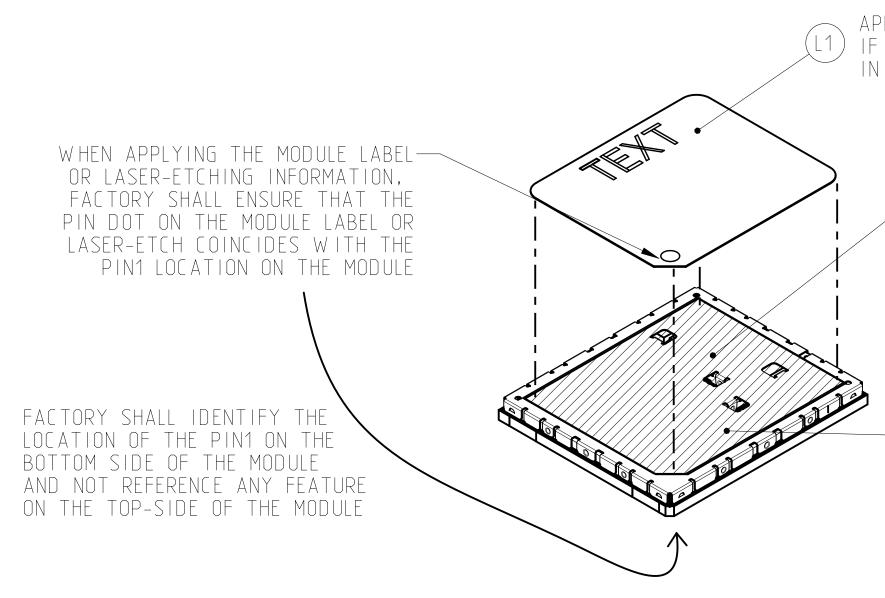
- 1. IF AND ONLY IF LABEL (L1) EXISTS IN THE SKU BOM, THEN APPLY MODULE LABEL (L1) TO MODULE (M1) AND ORIENT AS DESCRIBED BELOW. EXERCISE CAUTION TO ENSURE THE PIN DOT ON THE LABEL CONCIDES WITH THE PIN1 LOCATION OF THE MODULE.
- 2. MODULE LABEL (L1) SHALL BE PLACED CENTERED ON THE SHIELD LID VERTICALLY AND HORIZONTALLY  $\pm$  1.5mm

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- 3. HOWEVER, IF LABEL (L1) DOES NOT EXIST IN THE SKU BOM, AND LASER ETCH SPEC (LE1) EXISTS, THEN ETCH THE SKU INFORMATION ONTO THE SHIELD LID. EXERCISE CAUTION TO ENSURE THAT THE PIN DOT ON THE LASER-ETCH CONCIDES WITH THE PIN1 LOCATION OF THE MODULE.
- 4. PERFORM CUSTOMIZATION

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### BAKE MODULES

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1. INSERT MODULES INTO BAKING CHAMBER.

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2. MODULES ARE TO BE BAKED AT \_\_\_\_°C  $\pm$  \_\_\_\_°C, FOR \_\_\_ HOURS  $\pm$  \_\_\_HOURS. 3. MODULES ARE TO BE RE-BAKED IF THEY ARE NOT PACKAGED INTO THEIR

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- VACUUM BAGS WITHIN \_\_\_ HOURS OF FIRST BAKING CYCLE.
- 4. IF REQUIRED BY THE PRODUCT PCS, PERFORM FLATNESS CHECK OF THE PRODUCT BEING PACKAGED

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APPLY THE LABEL IF AND ONLY IF IN THE SKU BOM

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laser etch SKU INFORMATION (LE1 IF AND ONLY IF IN THE SKU BOM

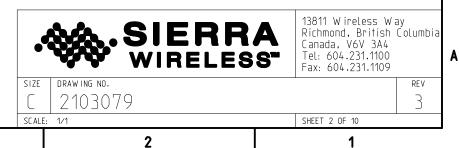
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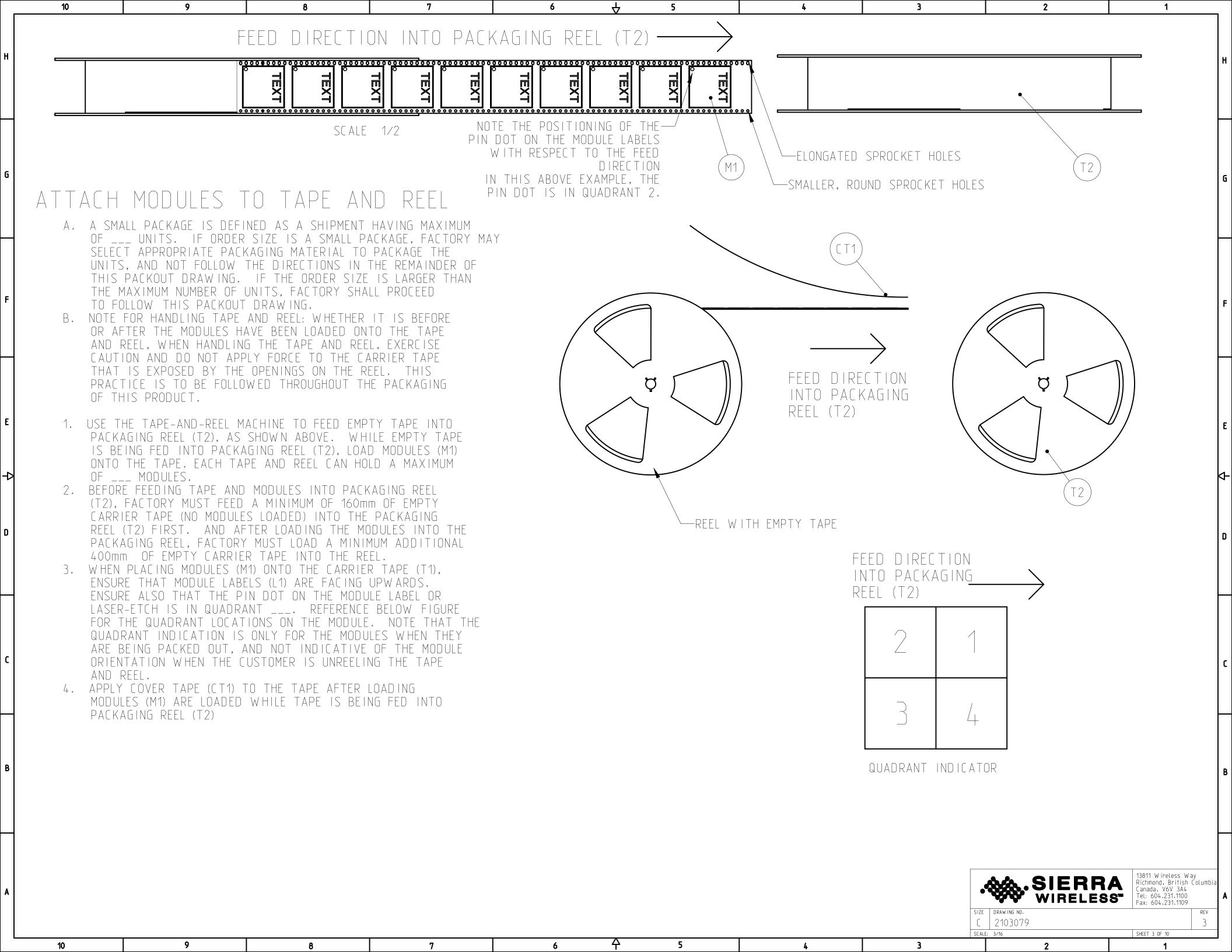
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AR7 MODULE SHOWN FOR REPRESENTATION PURPOSES ONLY. REFER TO CCA DRAWING FOR MODULE DETAILS.





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APPLY	ESD STRA	P AND LABEL	TO REEL					
1. A	APPLY ONE ESD-STRAF OUTSIDE BAND OF TH	) (SP1) TO THE E REEL (T2).						
2. A	APPLY MANUFACTURIN	G BOX LABEL (L2) TION AS SHOWIN BELOW.						
	APPLIED TO THE REEL	BY REEL SUPPLIER.						
			(SP1					
				(L2)				
		MOISTU SENSIT			LOADED WITH MODULE COVERED WITH COVER	S (M1) AND TAPE (CT1)		
								13811 Wireless Way
							SIZE DRAW ING NO.	A S <sup>T</sup> 13811 Wireless Way Richmond, British Columbia Canada. V6V 3A4 Tel: 604.231.1100 Fax: 604.231.1109 REV

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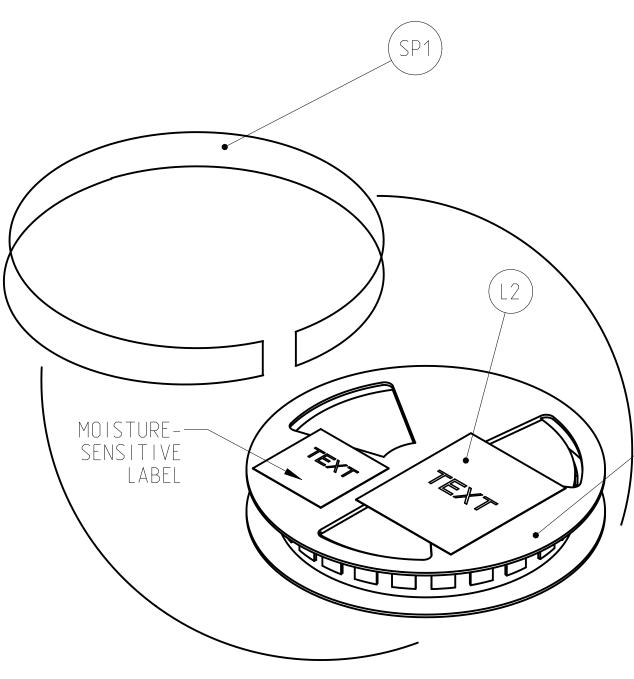
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## PACKAGING OF REEL

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- 1. PLACE \_\_\_ DESICCANTS (DS1) ON TOP OF REEL (T2).
- 2. INSERT ONE HUMIDITY CARD (HC1), ALONG WITH REEL AND DESICCANTS, INTO VACUUM BAG (BG1), ON THE OPPOSITE SIDE OF THE DESICCANTS ON THE REEL (T2). HUMIDITY CARD (HC1) MUST BE PACKAGED INTO VACUUM BAG (BG2) WITHIN 10 MINUTES FROM ITS REMOVAL FROM THE ORIGINAL PACKAGING. LIGHT AIR EVACUATION IS RECOMMENDED BEFORE SEALING BAG (BG1). FACTORY SHALL ENSURE THAT AMOUNT OF AIR EVACUATION IS CONSISTENTLY REPEATED.

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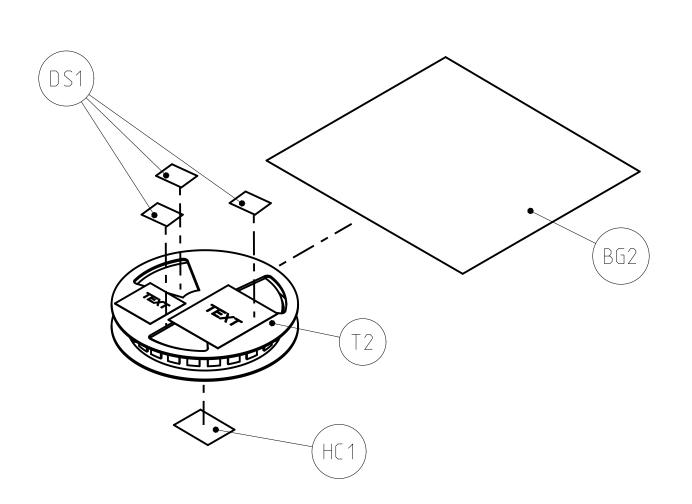
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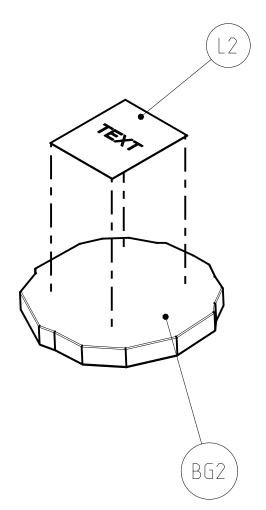
- 3. APPLY MANUFACTURING BOX LABEL (L2) TO VACUUM BAG (BG2).
- 4. INSERT THE PACKAGED REEL (T2) INTO MANUFACTURING BOX (B2). THE MANUFACTURING BOXES HAVE DIFFERENT STYLES DEPENDING ON PRODUCT. FOR EXACT REPRESENTATION, REFER TO THE (B2) SPECIFICATION DRAWING IN THE ARENA BOM.
- 5. CLOSE MANUFACTURING BOX (B2)

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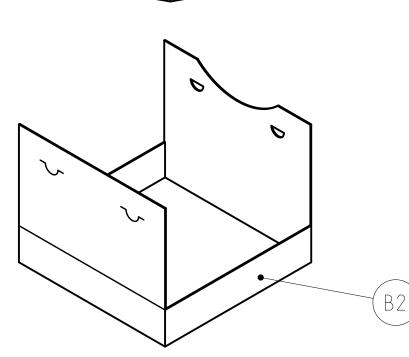


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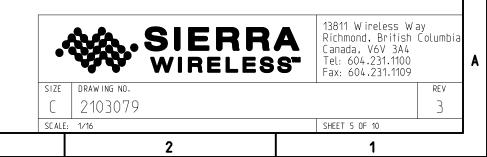
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	T2 IN	SIDE (BG1)		G
	ESD	FOAM GASKET —ESD FOAM PAD		F
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### SEAL AND LABEL MANUFACTURING BOX

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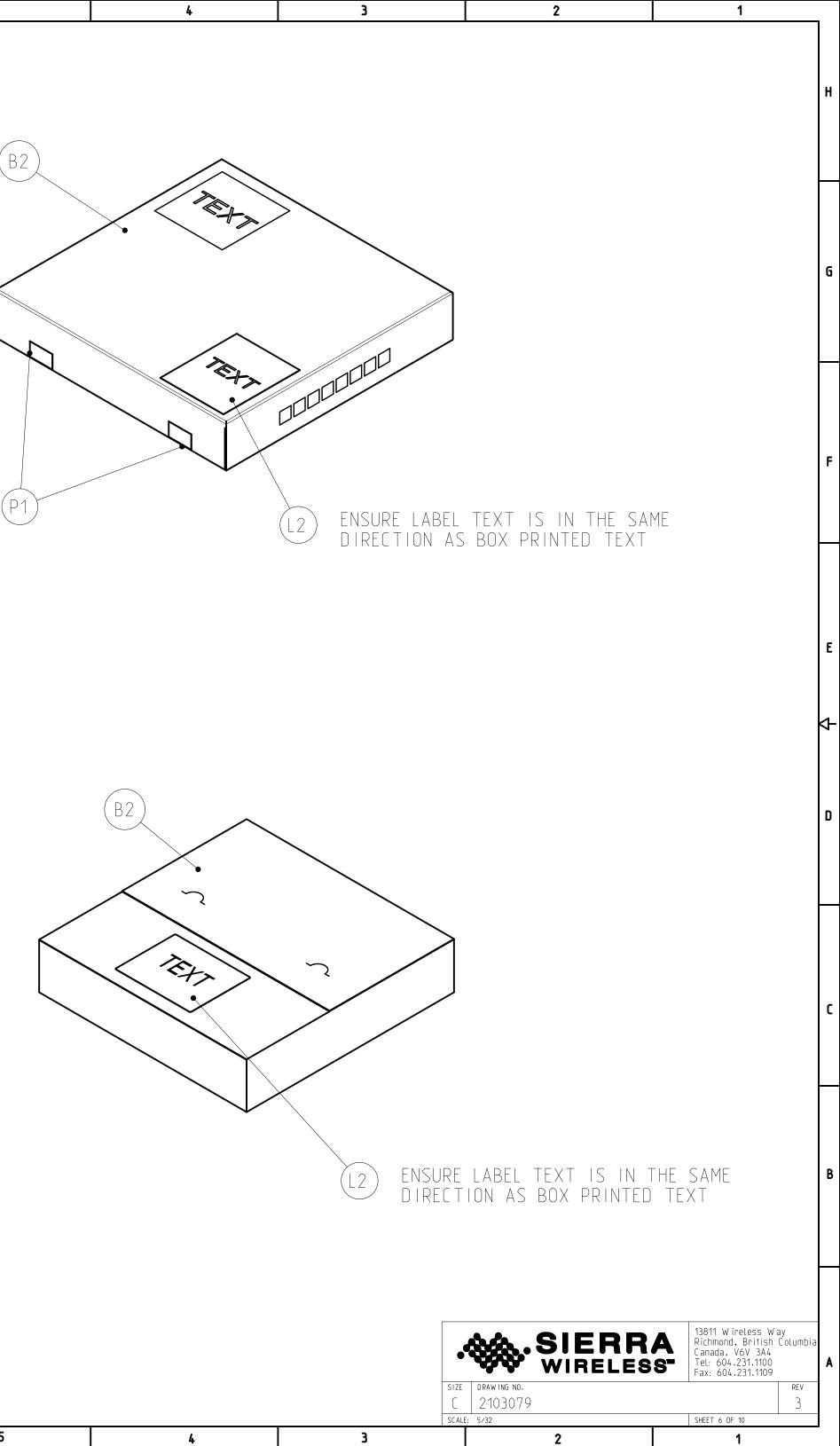
 SEAL MANUFACTURING BOX (B2) SHUT WITH SECURITY TAPE (P1) IF NEEDED IN THE FIGURES BELOW.
 APPLY MANUFACTURING BOX LABEL (L2) TO MANUFACTURING

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2. APPLY MANUFACTURING BOX LABEL (L2) TO MANUFACTURING BOX (B2) AT THE LOCATIONS INDICATED BY THE BELOW TWO FIGURES. ONLY FOLLOW THE RELEVANT FIGURE, DEPENDING ON THE BOX STYLE REQUIRED BY THE SKU BOM.

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THAN ONE FULL M								
1. IF AND ONLY IF OUTER UP TO ONE MANUFACTI ORIENT MANUFACTURIN	JRING BOX (B2), IN	TO ONE OUTER BOX	(B4).				(B2)	-
TO THE FOLLOWING PARTY AND ACTORING S	AGE FOR FURTHER F	ACKOUT INSTRUCTI	DNS.					
							$\rightarrow$	
							(R4)	
APPLY TAPE AND	) LABELS	TO OUTER	BOX					K
1. CLOSE OUTER BOX (B								
ENSURE ALL WIDTH, 2. APPLY OUTER BOX LA APPLY DN-LABEL (L4 3. REFER TO SWI LOGIS	BEL (L3) TO OUTER TO OUTER BOX (B	BOX (B4). AND,   4).	F REQUIRED IN T					
J. KLILK IO JWILOUI		ACK LIST AND SITT			(P1)			-
							L3	
						The state of the s		
							L4)	-
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								13811 Wireless Way Richmond, British Columbia Canada, V6V 3A4 Tel: 604.231.1100 Fax: 604.231.1109
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# PACKAGE MANUFACTURING BOXES INTO OUTER BOX

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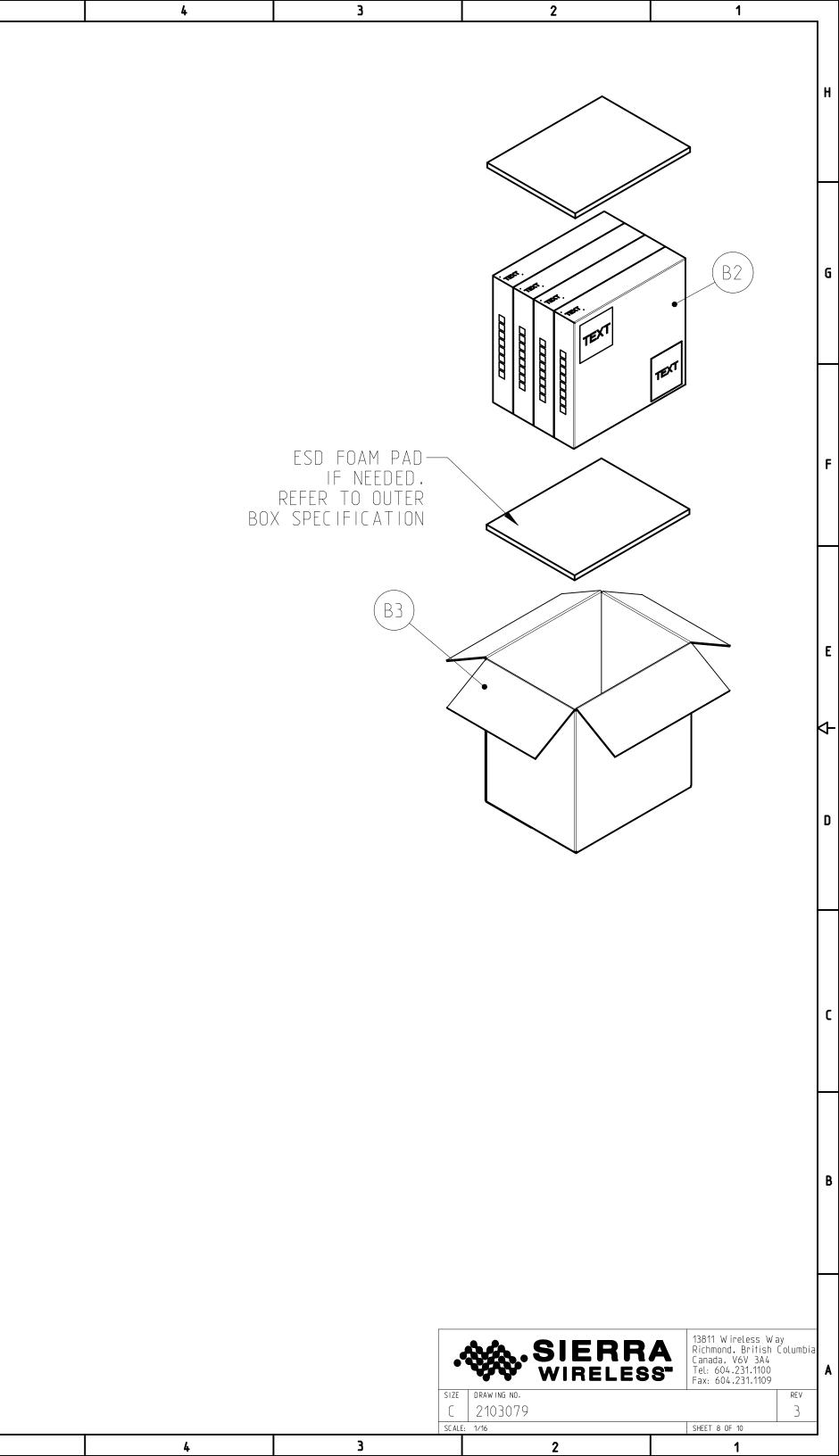
1. INSERT UP TO \_\_\_ MANUFACTURING BOXES (B2), INTO ONE OUTER BOX (B3). THE FIGURE ON THE RIGHT REPRESENTS A MANUFACTURING BOX MAXIMUM QUANTITY OF 4.

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- 2. FOR ORIENTATION OF MANUFACTURING BOXES (B2), THEN REFER TO 2102002 FOR THE MANUFACTURING BOX ORIENTATION WITHIN THE OUTER BOX. THE REPRESENTATION BELOW SHOWS THE FOLLOWING CONFIGURATION: BOX LABELS FACING: OUTER BOX'S LARGEST SIDE FACE BOX HANDLING SYMBOLS FACING: UPW ARDS
- 3. ALL MANUFACTURING BOXES INSIDE THE SAME OUTER BOX MUST HAVE THE SAME PRODUCT TYPE, HARDWARE VERSION, AND EMBEDDED SOFTWARE.
- 4. IF OUTER BOX IS NOT FILLED FULL WITH MANUFACTURING BOXES, FILL REMAINING SPACE WITH EMPTY MANUFACTURING BOXES AND LABEL BOXES WITH TEXT "EMPTY", MINIMUM 1" TEXT HEIGHT.

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## APPLY TAPE AND LABELS TO OUTER BOX

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1. CLOSE OUTER BOX (B3) AND SEAL IT SHUT WITH SECURITY TAPE (P1). ENSURE ALL WIDTH, HEIGHT AND LENGTH OPENINGS ARE SEALED.

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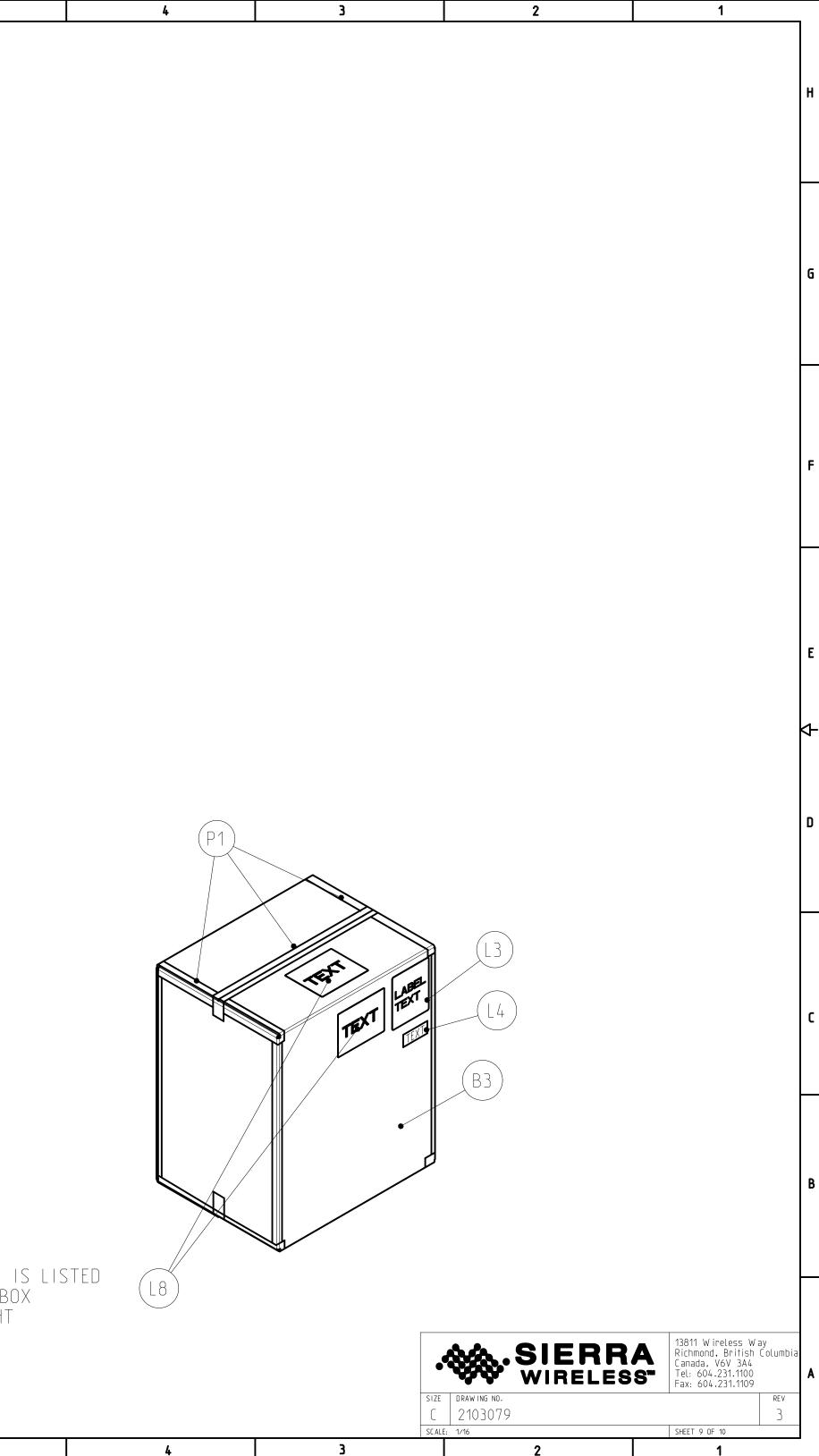
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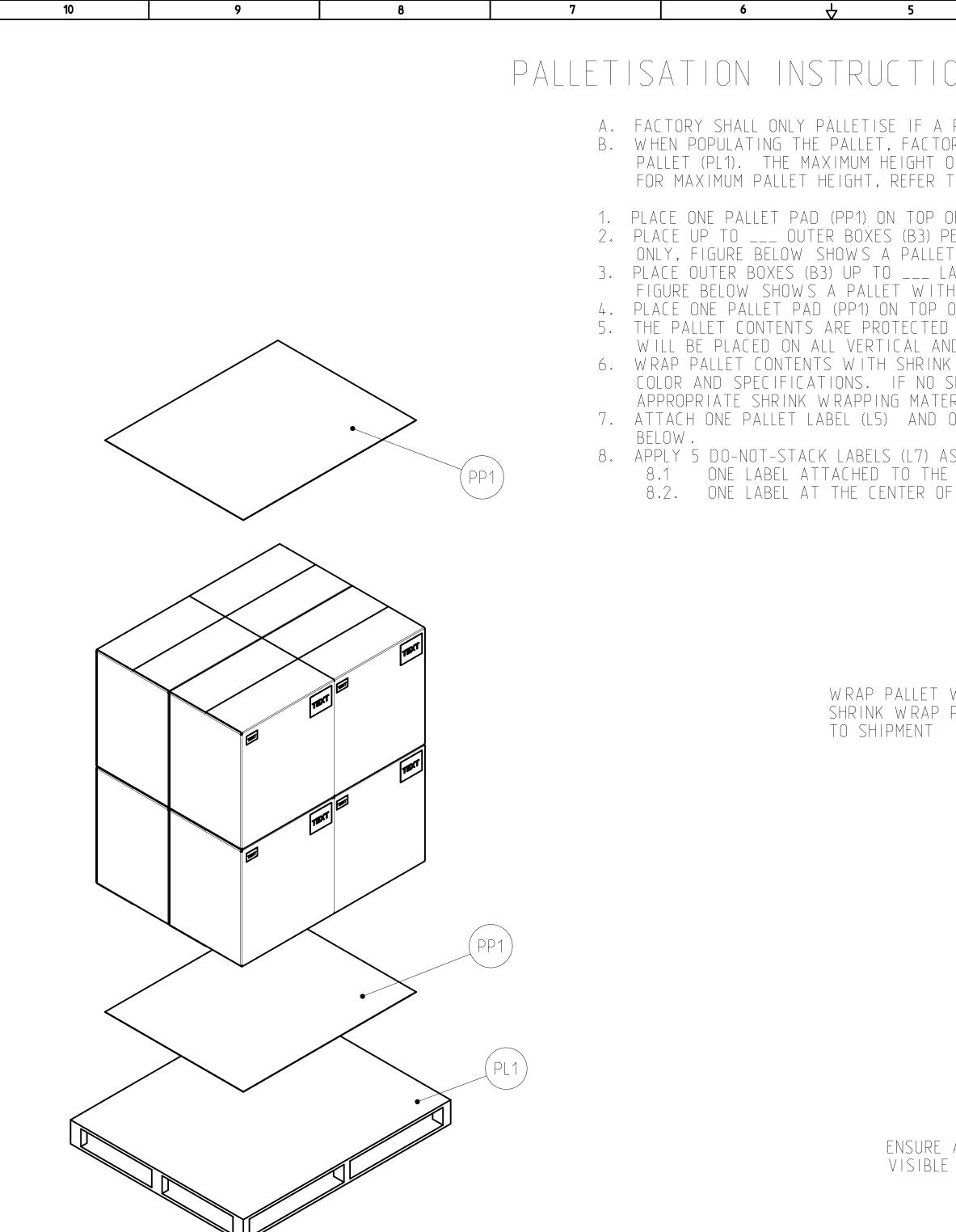
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- 2. APPLY OUTER BOX LABEL (L3) TO OUTER BOX (B3). AND IF REQUIRED, APPLY DN LABEL (L4) TO THE OUTER BOX (B3).
- 3. APPLY "HEAVY-LIFT" LABEL (L8) TO OUTER BOX (B3) IF IT IS LISTED IN THE SKU BOM AND THE FULLY PACKAGED BOX (B3) WEIGHS MORE THAN 17 KILOGRAMS. FACTORY SHALL DETERMINE HOW MANY UNITS PACKED IN A BOX WILL CAUSE THE BOX TO EXCEED A 17 KILOGRAM WEIGHT, AND THEN SET UP A RULE TO APPLY A "HEAVY-LIFT" LABEL (L8) TO THE OUTER BOX (B3) IF THE OUTER BOX QUANTITY EXCEEDS THIS UNIT QUANTITY.
- 4. IF THE TOTAL QUANTITY OF BOXES DO NOT EXCEED ONE PALLET LAYER, PACK AND LABEL THE OUTER BOXES AND THEN REFER TO SWI LOGISTICS GROUP FOR PACK LIST AND SHIPPING INSTRUCTIONS. ELSE, REFER TO NEXT SHEETS FOR PALLETISATION INSTRUCTIONS.

APPLY "HEAVY-LIFT" LABEL IF IT IS LISTED IN THE SKU BOM AND PACKAGED BOX EXCEEDS 17 KILOGRAMS IN WEIGHT

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ND HORI IK WRAP SHRINK ERIAL, ( ONE DU	ZONTAL EDGES. (WP1) PRIOR TO SH WRAP IS SPECIFIED LEAR COLOUR. MP-RESISTANCE LABE	IPMENT. REFER TO IN THE ARENA BOM.	ARENA BOM FOR SHRI FACTORY IS TO SEL AD AT LOCATIONS IN	NK WRAP Ect An	F
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E ALL OL	ITER BOX LABELS ARE				В
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