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| Balloonacy, LLC d/b/a DigitoolUSA 125 REDWOOD CIRCLE FAYETTEVILLE, GA 30214 | DRAWN: DWS 3/3/17 | REVISIONS | | | | SHEET 1 OF 1 |
| | CHECKED: | LTR | ECO NUMBER | DATE | APPROVED | |
| | PROJ. ENG. | | | | | |
| | PRODUCTION | | | | | |
| DWG. NO. 5005 | DISTRIBUTION | TITLE Installation of SoftSleeve and Temperature Transmitter | | | | REVISION A |
| | ISSUE DATE 11 Aug 17 | | | | | |

1. If the balloon system currently has a retaining strap from previous temperature indicating system, no installation is required.

The grommet should be mounted 24.0 inches below the edge of the top girdle band. Install a 3/8th in. grommet at desired mount point, approximately 2.0 inches from the adjacent load tape. Grommet may be backed with cordura nylon fabric or nomex to prevent wearing thru the nylon or polyester fabric of the balloon envelope.

If the balloon has previously had a wired pyrometer system installed, the grommet should be installed at the same distance down as the wired sensor. When installing, consider that the transmitter should be placed along a gore tape that is off the ground during inflation; i.e, for a 14 gore balloon that inflates with Gore 1 on the ground, recommended placement of the transmitter would be along Gore 7.

2. On the inside of the balloon, sew a 1.25 in piece of hook fastener approximately 2 inches below the station where the grommet has been installed. This will serve as an attachment point for the temperature sensor once installed.
3. On the outside of the balloon's load tape, sew the temperature transmitter retaining strap (constructed using Drawing 5003) at a location that will allow for the pile fastener strip to be slightly below the grommet installed in step 1. Use a 3.0 inch box-X stitch to secure the strap. All sewing should be done using the same thread as in the original construction of the envelope.

Option 1 – When properly positioned, the top edge of the retaining strap will be 15.0 inches down from the top edge of the balloon envelope.

Option 2 – The retaining strap should be centered at a point on the load tape approximately 20.5 inches below the top edge of the balloon envelope.