

UL LISTED SYSTEM
 FABRICATED BY SELKIRK
 IN COMPLIANCE WITH
 UL STANDARD 1978
 FOR GREASE DUCTS



ISSUE/REVISION RECORD

DATE	DESCRIPTION
01/29/75	COORDINATION SET
02/20/75	HEALTH SUBMITAL
04/28/75	HEALTH RESPONSE
07/23/75	PERMIT/ISS. SET

Review is for conformance with information given and referenced code and the design concept expressed in the contract documents. Conformance with contract documents remains the contractor's and supplier's responsibility. Plans are in compliance with enforced codes of A.C.I. Vaughn R. Hill, P.E. Date Signed: 05/31/19 Exp. Date: 12/31/19 N. Carolina Reg. No. 016296



DRAWN BY W. UILES

PROJECT NAME



GASTONIA NORTH CAROLINA

EAST FRANKLIN BOULEVARD & ARMSTRONG PARK ROAD

PROJECT NUMBER 20181046.0

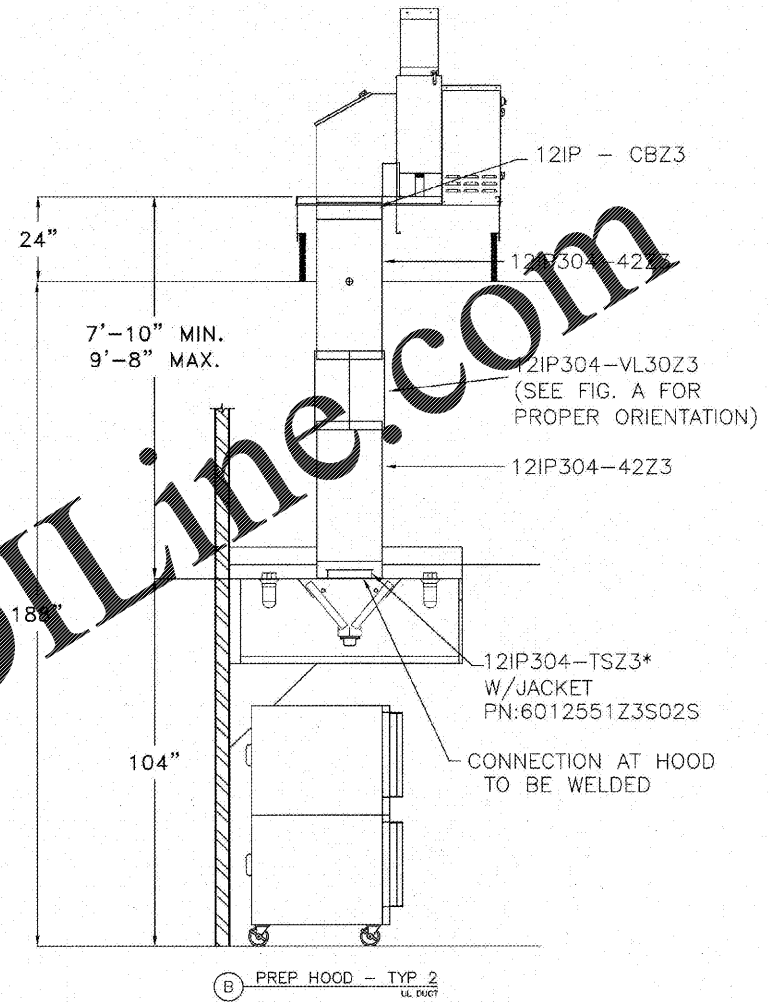
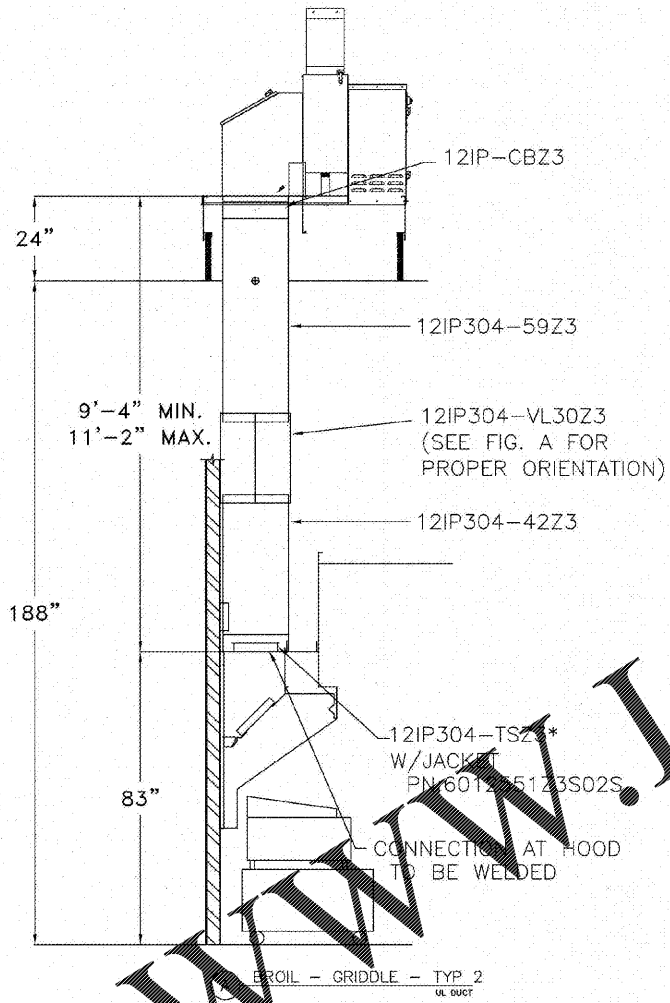
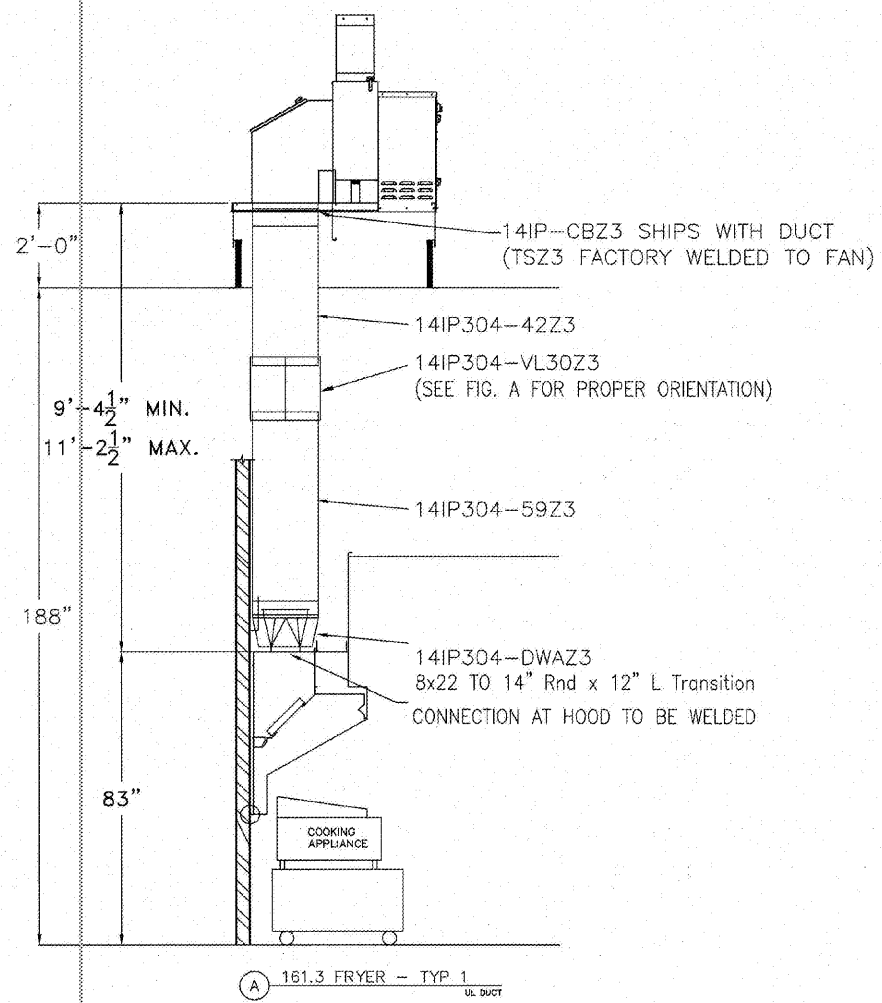
SHEET TITLE

UL DUCT U19-070-05

SHEET NUMBER

C5

SCALE: NTS



PIPE & FITTING JOINT ASSEMBLY
 All grease ducts must be liquid tight according to NFPA 96. The following procedure must be used to assure that all joints in the installation meet that requirement. Assembly is accomplished as follows:

1. Clean all pipe flanges and V-Band inner surfaces with an appropriate organic solvent, such as Acetone, MEK, or other commercial degreaser (Caution: Observe adequate safety measures when using).
2. Apply a thin layer of RTV P-600 silicone sealant to the face of each pipe flange (Caution: The use of any other sealant on flange surface may impair sealing effectiveness).
3. Parallel flanges are brought together immediately.
4. Joint sealant is applied to the groove of the inner V-Band. Use P-600 Joint Sealant.
5. As soon as possible or within 15 minutes of applying the sealant, install the V-Band and tightly clamp it around the flanges using end clamp hardware. (Wise tip: welding pliers are extremely useful for holding the V-Bands in place while installing the end clamp tightening bolts.) NOTE: Light tapping with a hammer around the band while tightening the end clamp bolts helps to align and pull the flanges together.
6. (For IPS, ZC and ZC+ only), install a 4" wide strip of insulation (supplied) over the entire V-Band, filling the space between the spacers as shown in Fig. A-1.
7. The outer channel band is then installed by inserting the edges of the band into the outer pipe grooves and drawing it closed with the screws and nuts. For exterior joints apply sealant to the joint between the Channel Band and the outer pipe (See Fig. A-2).

- CAUTIONS**
1. The outer channel bands are designed to slide into their mating grooves. Do not attach by screws into the outer casing.
 2. Do not allow screws to penetrate the inner pipe. This can cause corrosion, gas leakage or expansion failure.
 3. Never use screws through the outer jacket of an adjustable length or expansion joint.

GREASE DUCT JOINT SEALANT
 Selkirk joint Sealant (P-600) is a pre-mixed, one-part, acetox cure silicone adhesive. Properly made joints are gas tight and highly resistant to oil, water, solvents and all acids except hydrofluoric. P600 has a "Tack-Free" time of 15 minutes at 77° F and a "Cure" time of 24 hours.

Caution-Risk of injury. Sheet metal parts may be sharp. Always wear gloves and appropriate eye, foot, and other protection when handling these products.

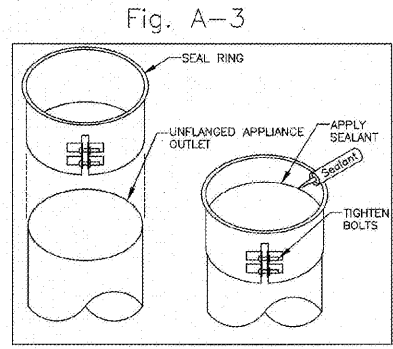
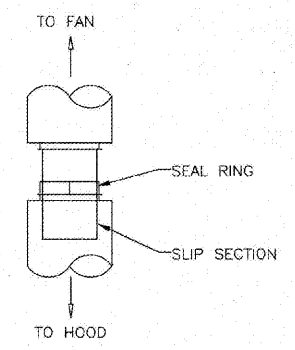
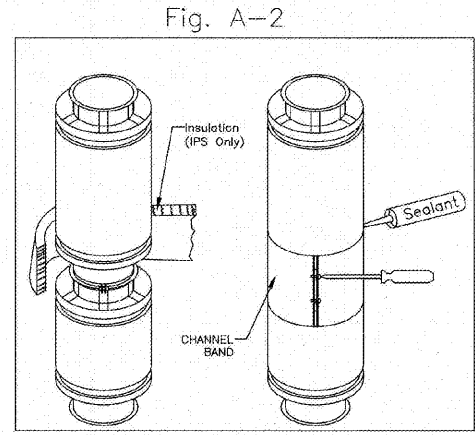
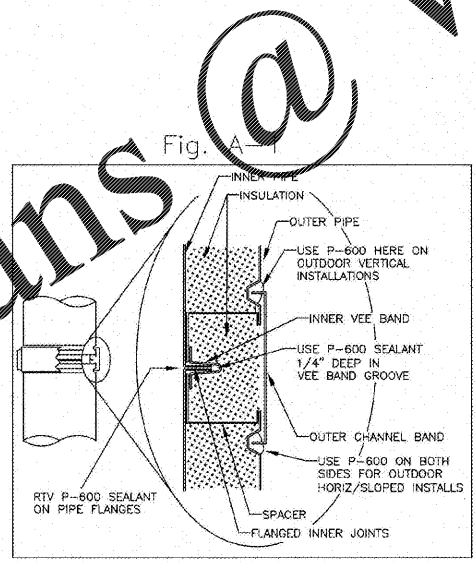


Figure A
 INSTALL VL30Z3 WITH LIPPED END UP, CUT EDGE DOWN

The VL section is flanged one end raw other end. Raw end must be cut to fit inside top of hood square to round. Cut straight section to extend down full length of the straight section at the top of the hood square to round. Apply thin sealant film to the joining flanged sections at the top of the VL. Fill vee band, attach and tighten top vee band. Apply two beads of sealant around inside perimeter of seal ring. Apply thin film of sealant to outer flange of seal ring and top flange of square to round. Wrap seal ring around straight section of VL aligning flanges. Clamp flanges and then tighten seal ring in place, remove clamps, fill vee band, fit vee band in place over square to round and VL flanges and tighten.

GREASE EXHAUST DUCT

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