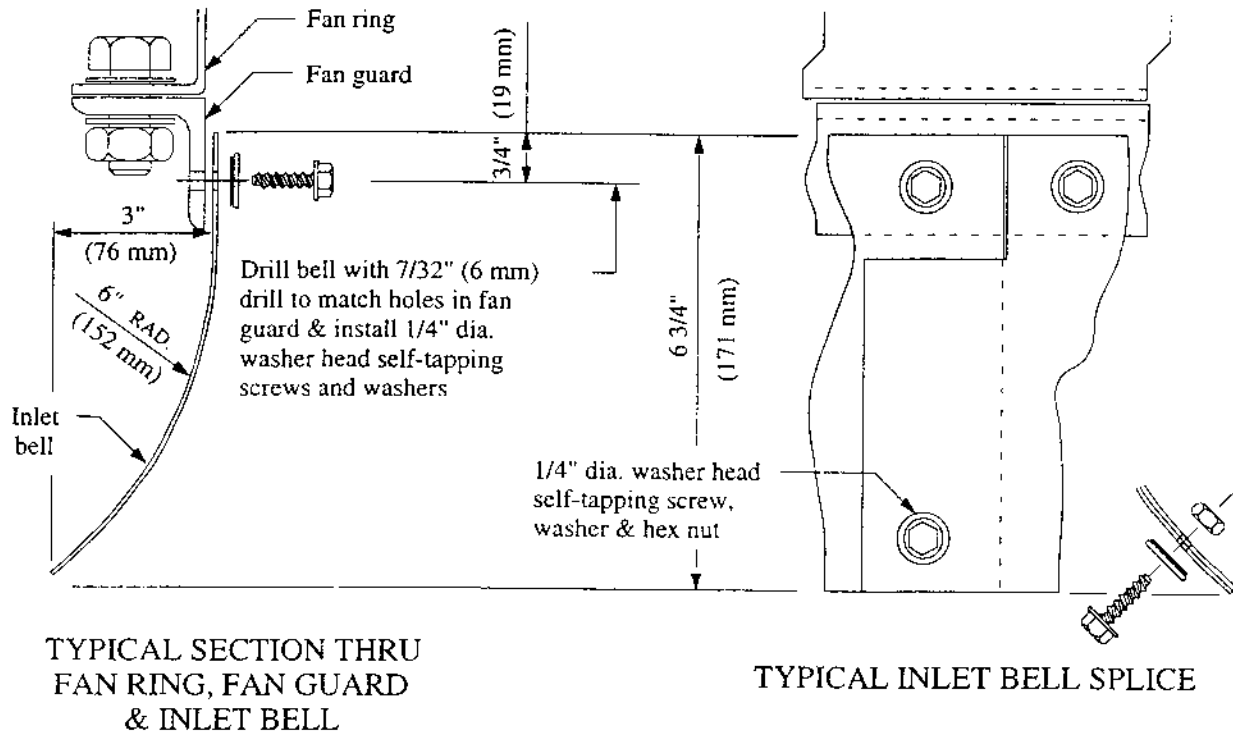


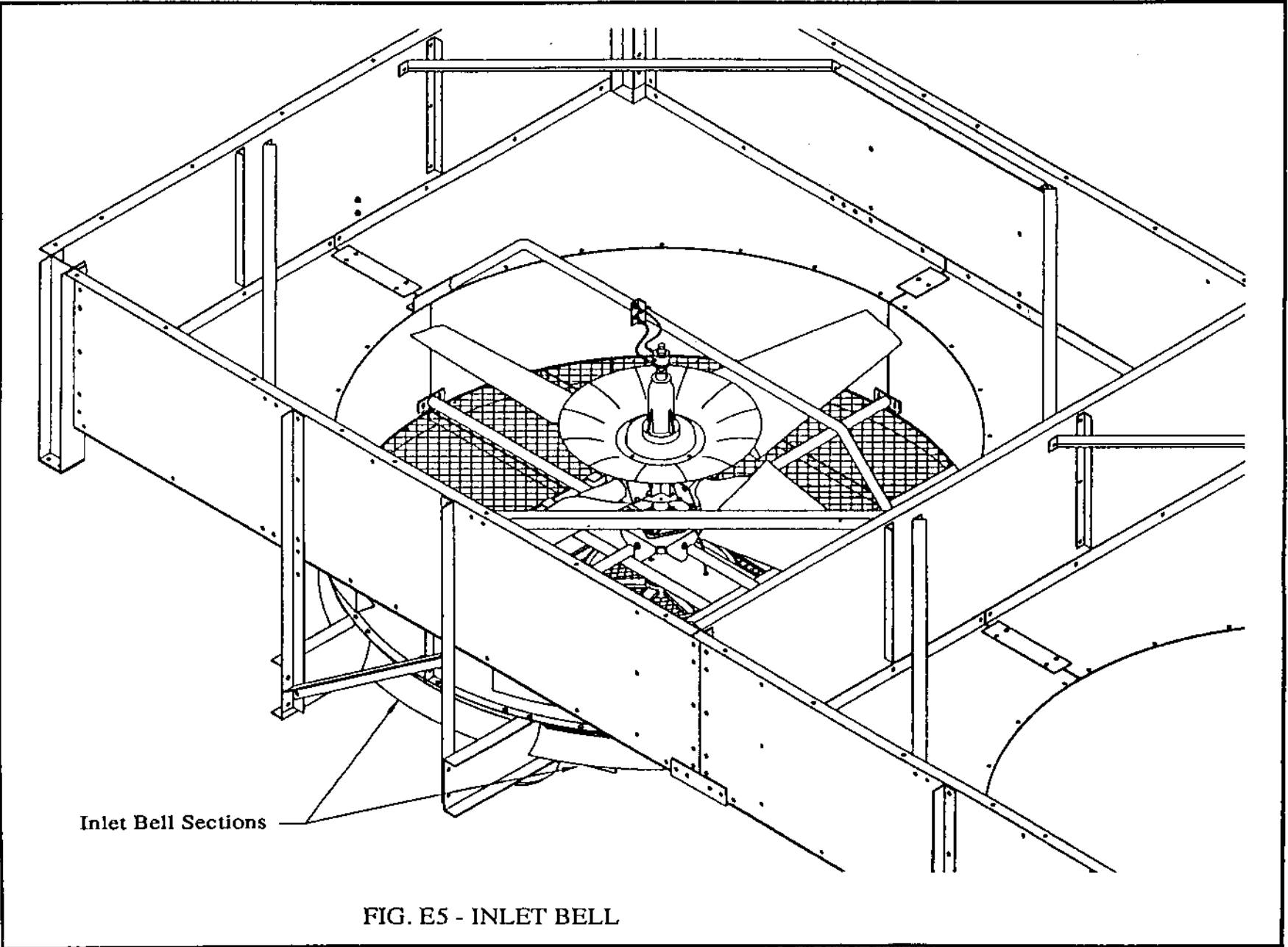
INLET BELL INSTALLATION FOR FORCED DRAFT UNITS

The purpose of the Hudson Inlet Bell is to reduce turning losses due to the abrupt corners in fan rings. This improves air distribution and fan efficiency.



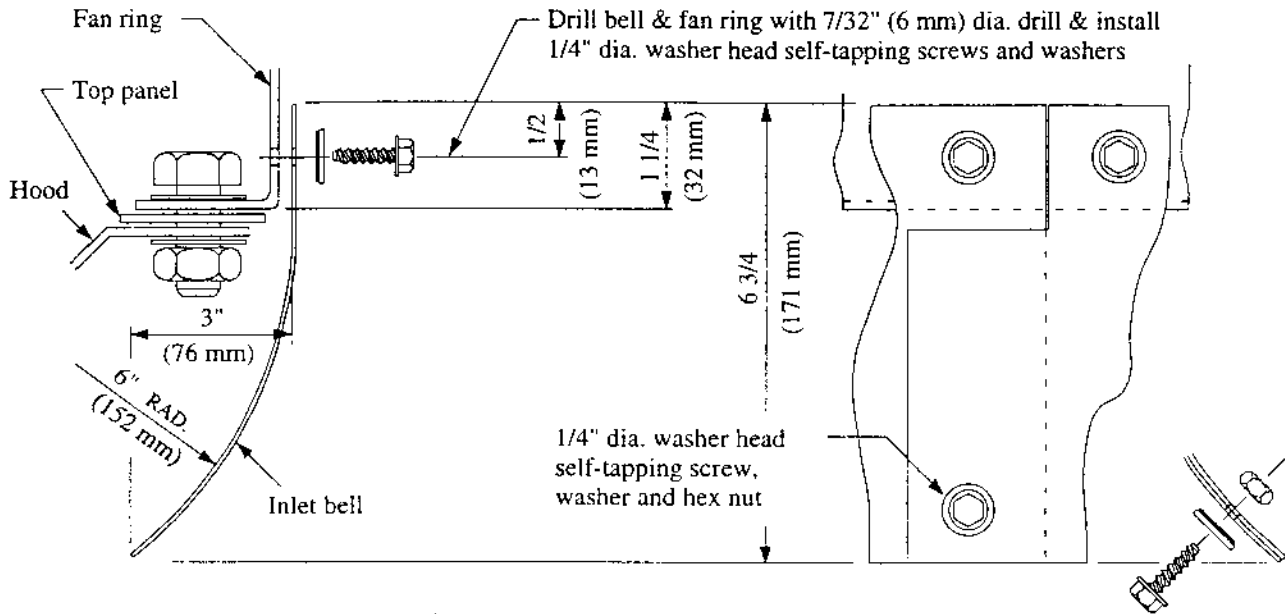
INSTALLATION

1. Mark off a line around the circumference about 1 1/4" (32 mm) from the bottom toe of the fan guard angle. This will indicate the location of the upper edge of the inlet bell.
2. Align the edge of a section with the line drawn. Using a 7/32" (6 mm) drill, drill a hole approximately 3/4" (19 mm) from the upper edge of inlet bell and about 1" (25 mm) from the end of an inlet bell section.
3. Install a 1/4" washer head self-tapping screw and washer to secure the inlet bell section to an existing fan guard hole.
4. Continue drilling holes in the inlet bell to match holes in fan guards. Continue installing screws. The last screw should be about 1" (25 mm) from the opposite end of the section. This last hole may need to be drilled through both the inlet bell and the fan guard.
5. Install the next section in the same manner. The mating ends should be butted together with no gap between them.
6. In addition to the screws installed in the fan guards, drill one hole in the lap joint of the curved section of the bell through the two mating sections. Install a 1/4" washer head self-tapping screw, washer and hex nut to secure the two sections together. (See "TYPICAL INLET BELL SPLICE" above.)
7. Inlet bells will require notching or special trimming around fan guards & structure during installation. This can easily be done using a common hacksaw.



INLET BELL INSTALLATION FOR INDUCED DRAFT UNITS

The purpose of the Hudson Inlet Bell is to reduce turning losses due to the abrupt corners in fan rings. This improves air distribution and fan efficiency.



TYPICAL SECTION THRU
FAN RING & INLET BELL

TYPICAL INLET BELL SPLICE

INSTALLATION

1. Mark off a line around the circumference about 1 1/4" (32 mm) from the bottom of the fan ring. This will indicate the location of the upper edge of the inlet bell.
2. Align the edge of a section with the line drawn. Using a 7/32" (6 mm) drill, drill a hole in the inlet bell and fan ring approximately 1/2" (13 mm) from the upper edge of inlet bell and about 1" (25 mm) from the end of a section.
3. Install a 1/4" washer head self-tapping screw and washer to secure the inlet bell section to the ring.
4. Continue drilling holes about 1 ft. (305 mm) apart and installing screws. The last screw should be about 1" (25 mm) from the opposite end of the section.
5. Install the next section in the same manner. The mating ends should be butted together with no gap between them.
6. In addition to the screws installed in the fan ring, drill one hole in the lap joint of the curved section of the bell through the two mating sections. Install a 1/4" washer head self-tapping screw, washer and hex nut to secure the two sections together. (See "TYPICAL INLET BELL SPLICE" above.)
7. Inlet bells will require notching or special trimming around structure during installation. This can easily be done using a common hacksaw.

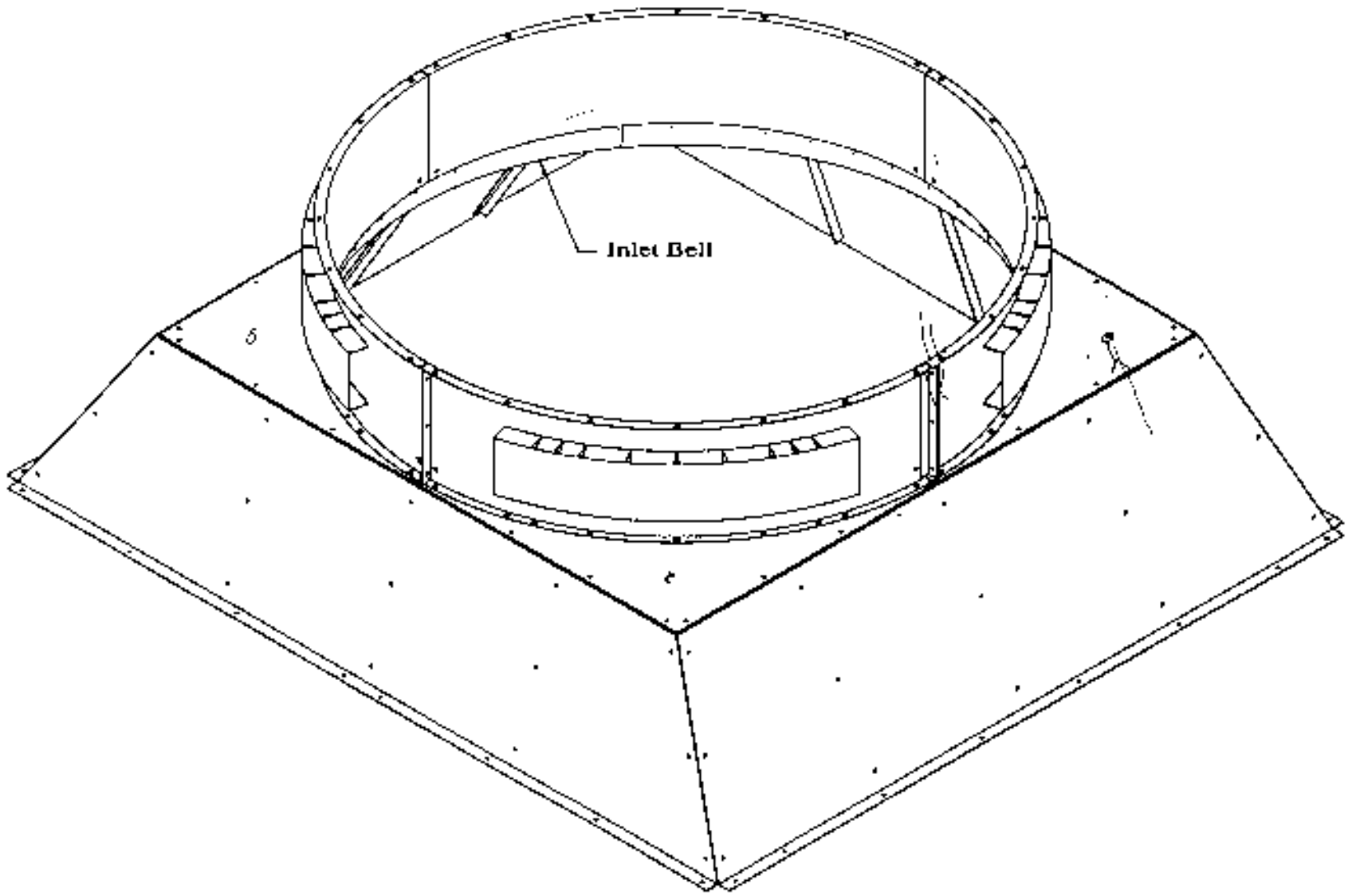


FIG. B3 - INLET BELL