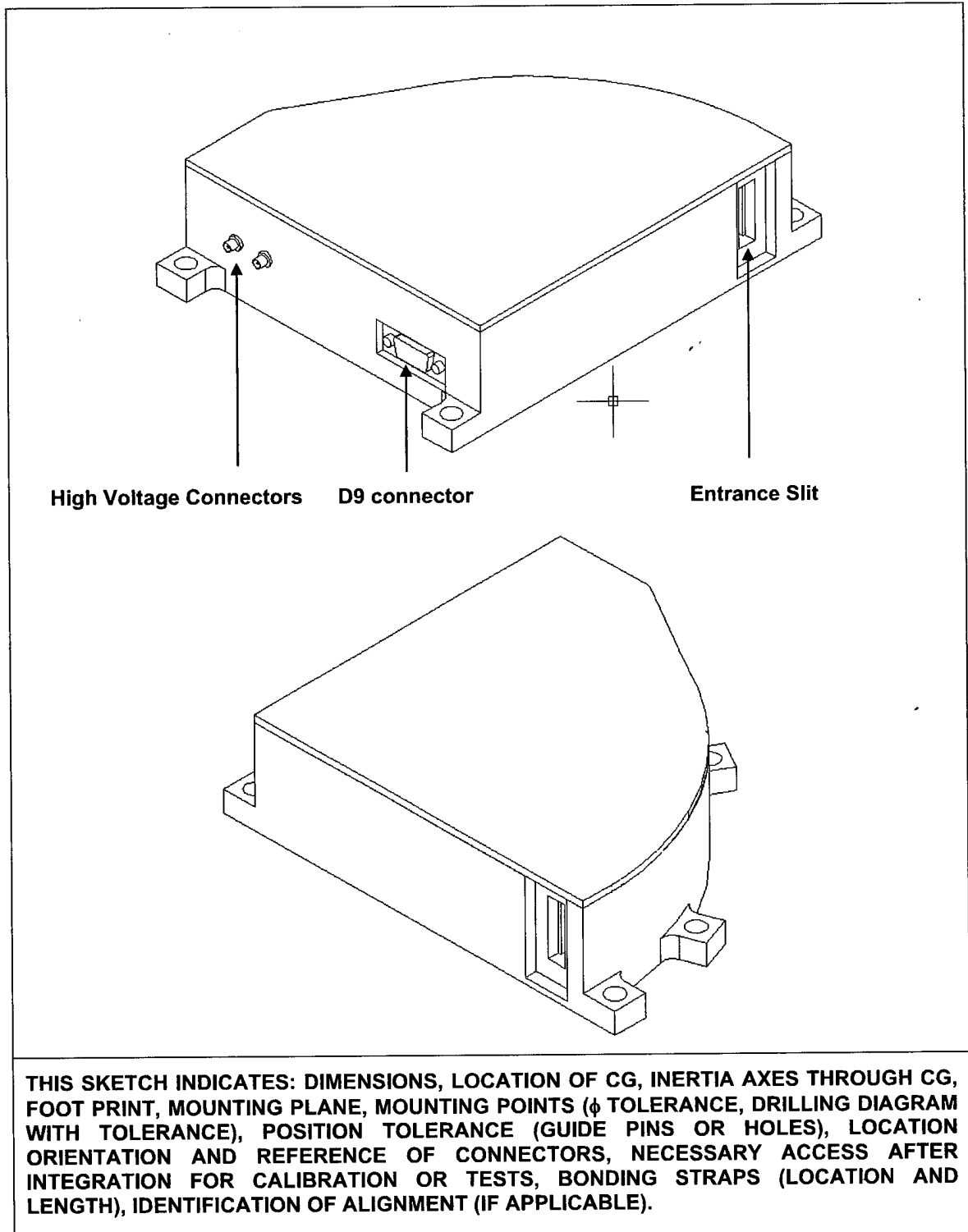
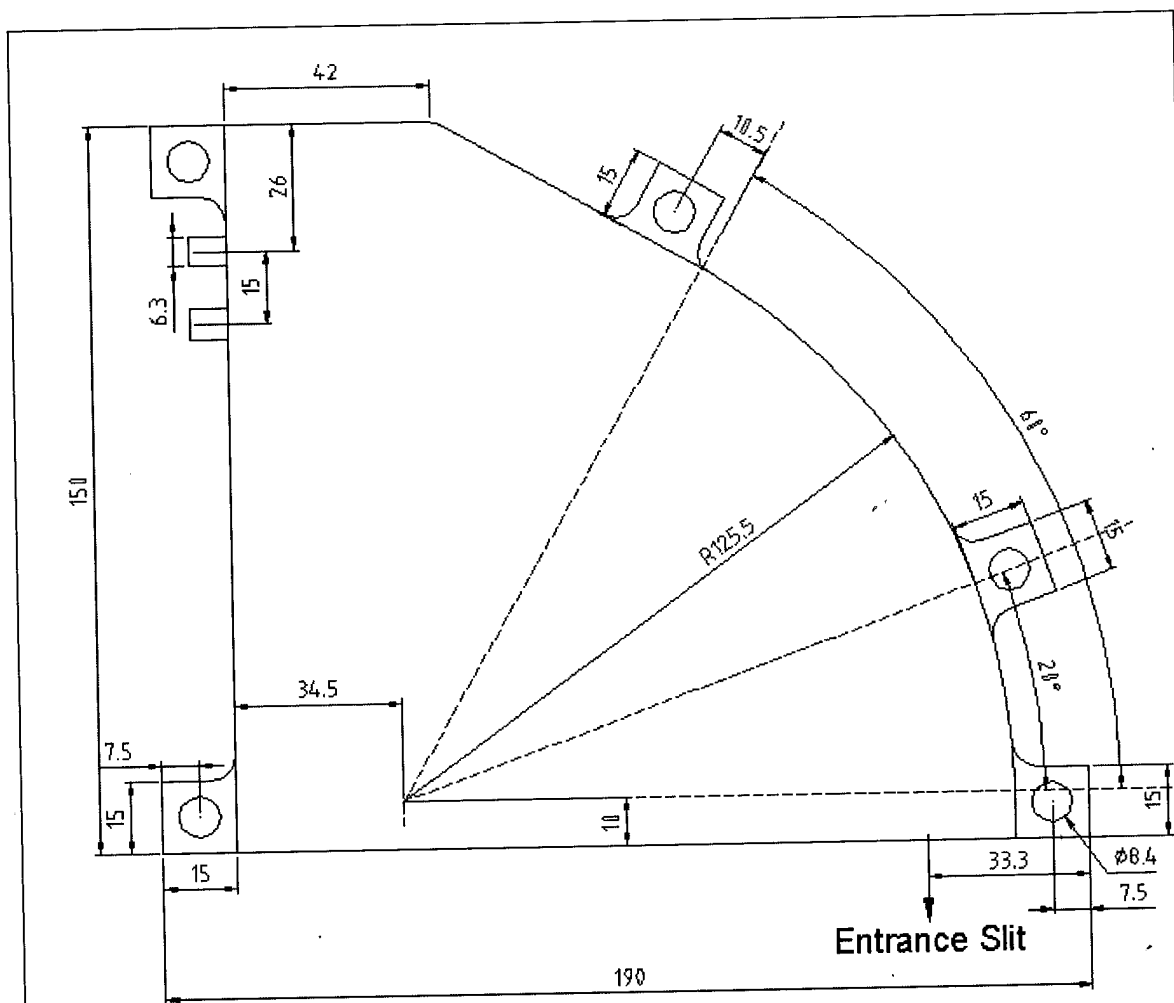


5.2. EQUIPMENT SKETCH

5.2.1. 3 D Views



5.2.2. Top View

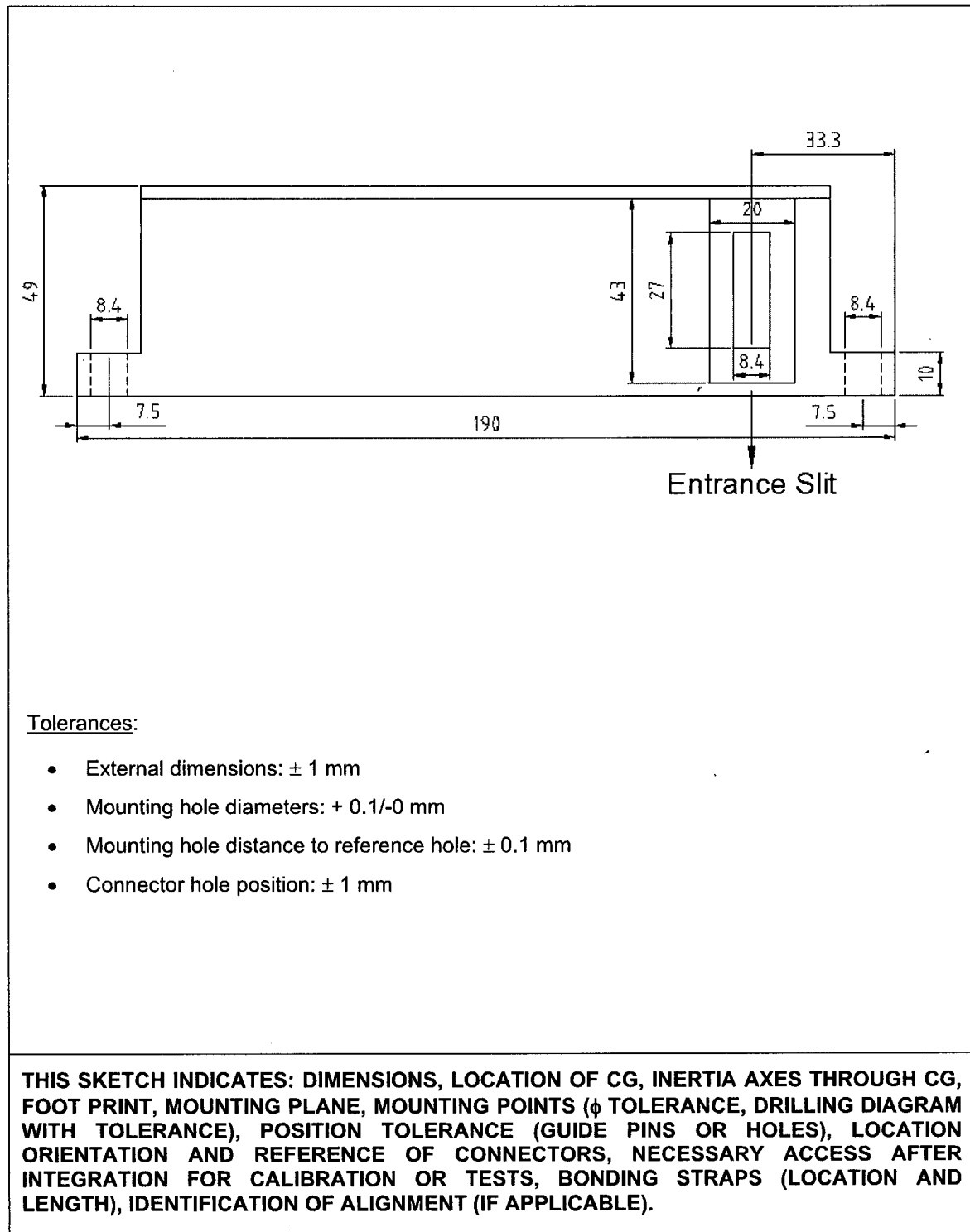


Tolerances:

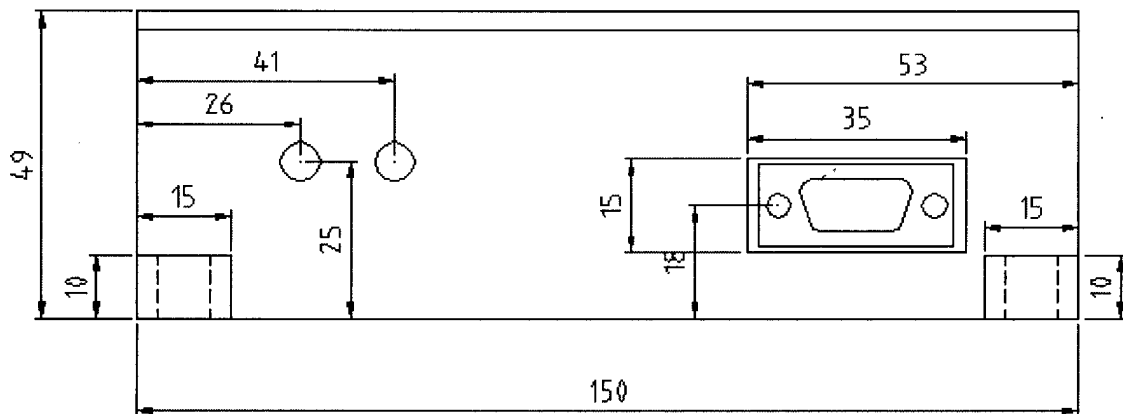
- External dimensions: ± 1 mm
- Mounting hole diameters: $+0.1/-0$ mm
- Mounting hole distance to reference hole: ± 0.1 mm
- Connector hole position: ± 1 mm

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).

5.2.3. Front View



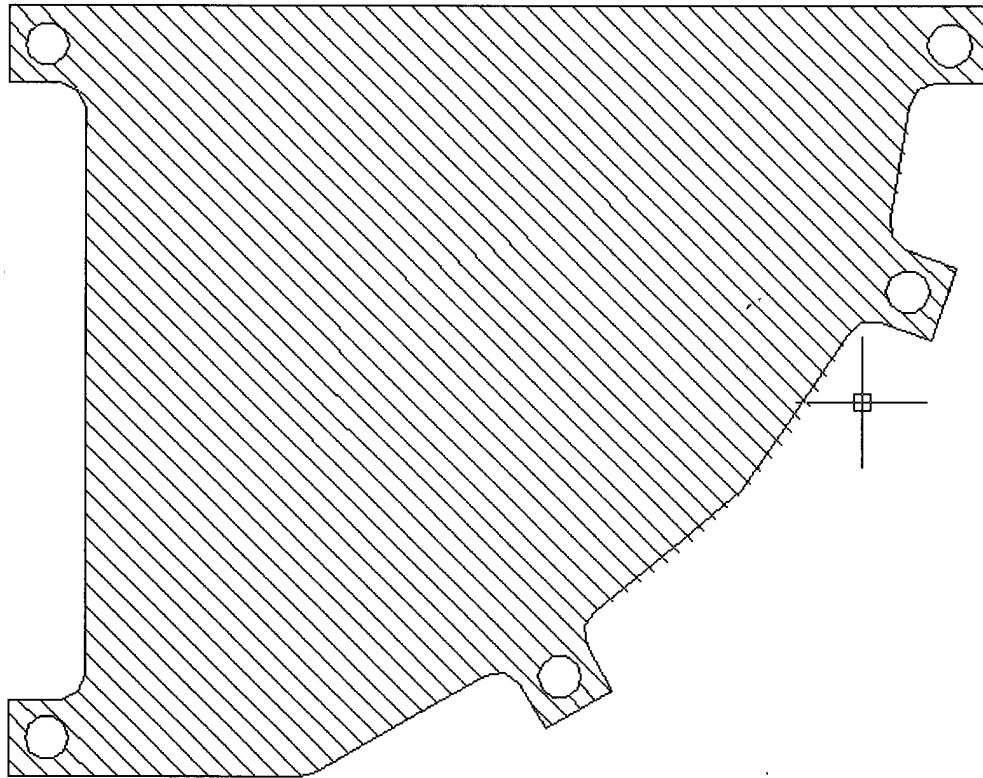
5.2.4. Lateral View

Tolerances:

- External dimensions: ± 1 mm
- Mounting hole diameters: $+ 0.1/-0$ mm
- Mounting hole distance to reference hole: ± 0.1 mm
- Connector hole position: ± 1 mm

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).

5.2.5. ESAN Footprint

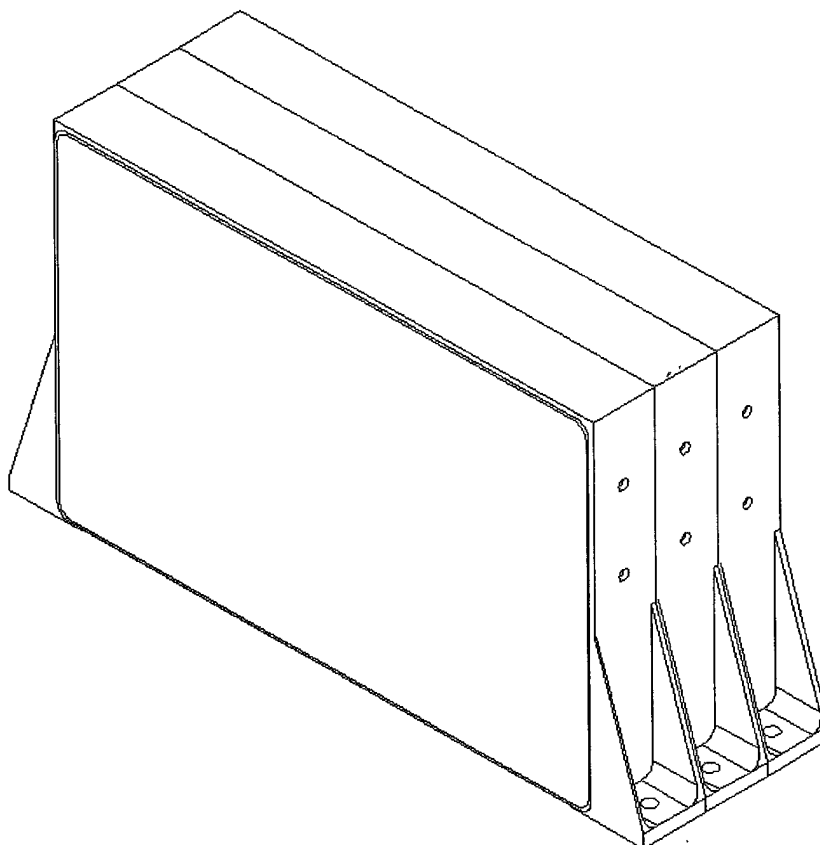


$$\text{Area} = 20086,62 \text{ mm}^2 = 200,8662 \text{ cm}^2$$

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).

5.2. EQUIPMENT SKETCH

5.2.1. 3 D View



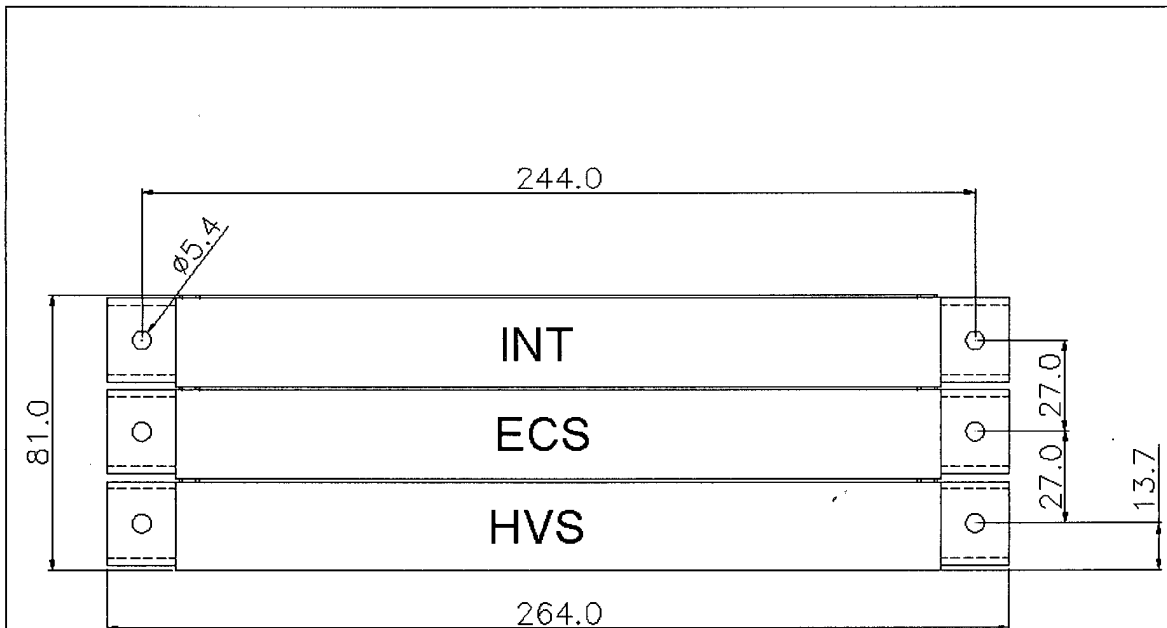
The three ESAE sub modules (HVS, ECS and INT) are identical boxes mounted together.

Tolerances:

- External dimensions: ± 1 mm
- Mounting hole diameters: $+ 0.1/-0$ mm
- Mounting hole distance to reference hole: ± 0.1 mm
- Connector hole position: ± 1 mm

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).

5.2.2. Top View



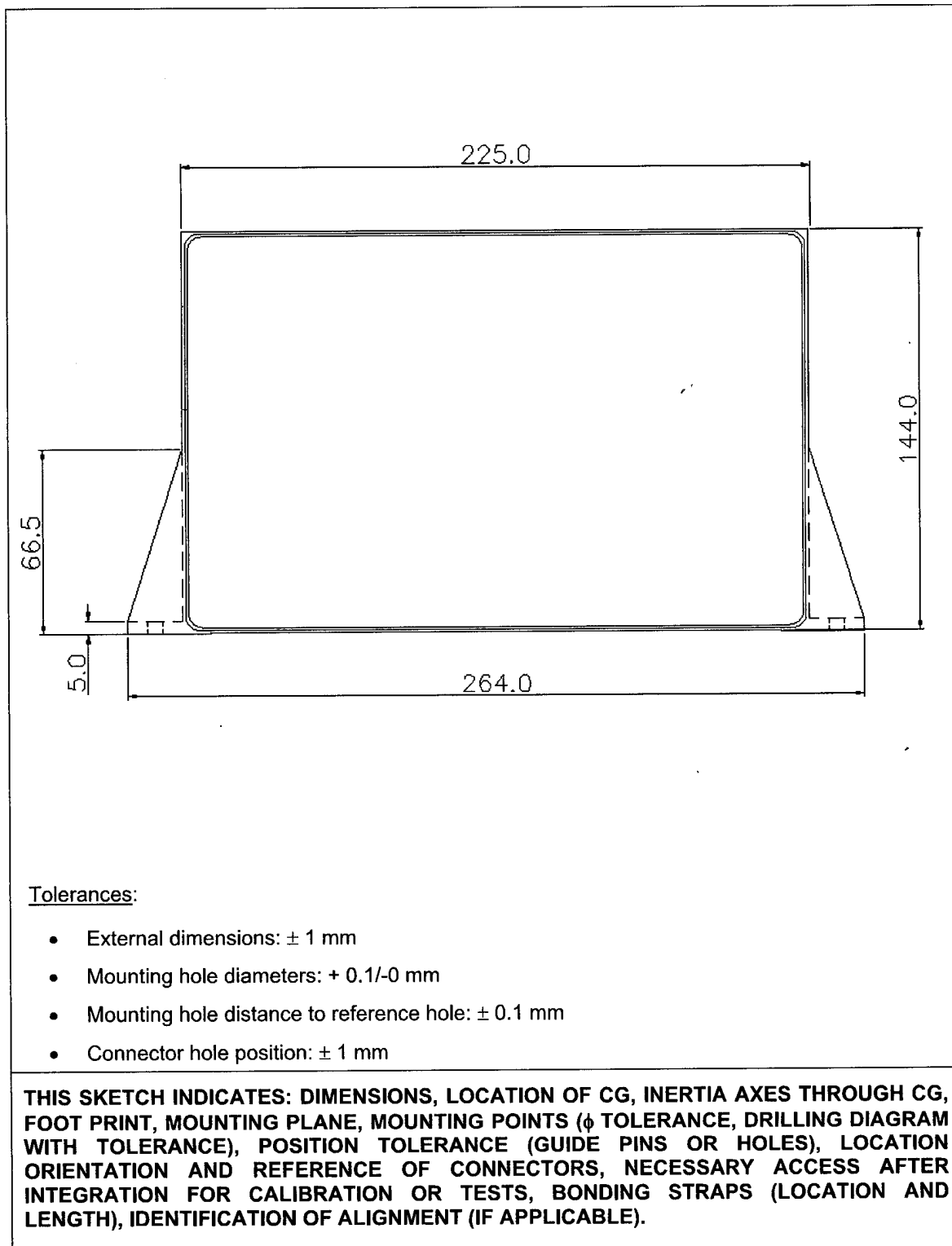
The three ESAE sub modules (HVS, ECS and INT) are identical boxes mounted together.

Tolerances:

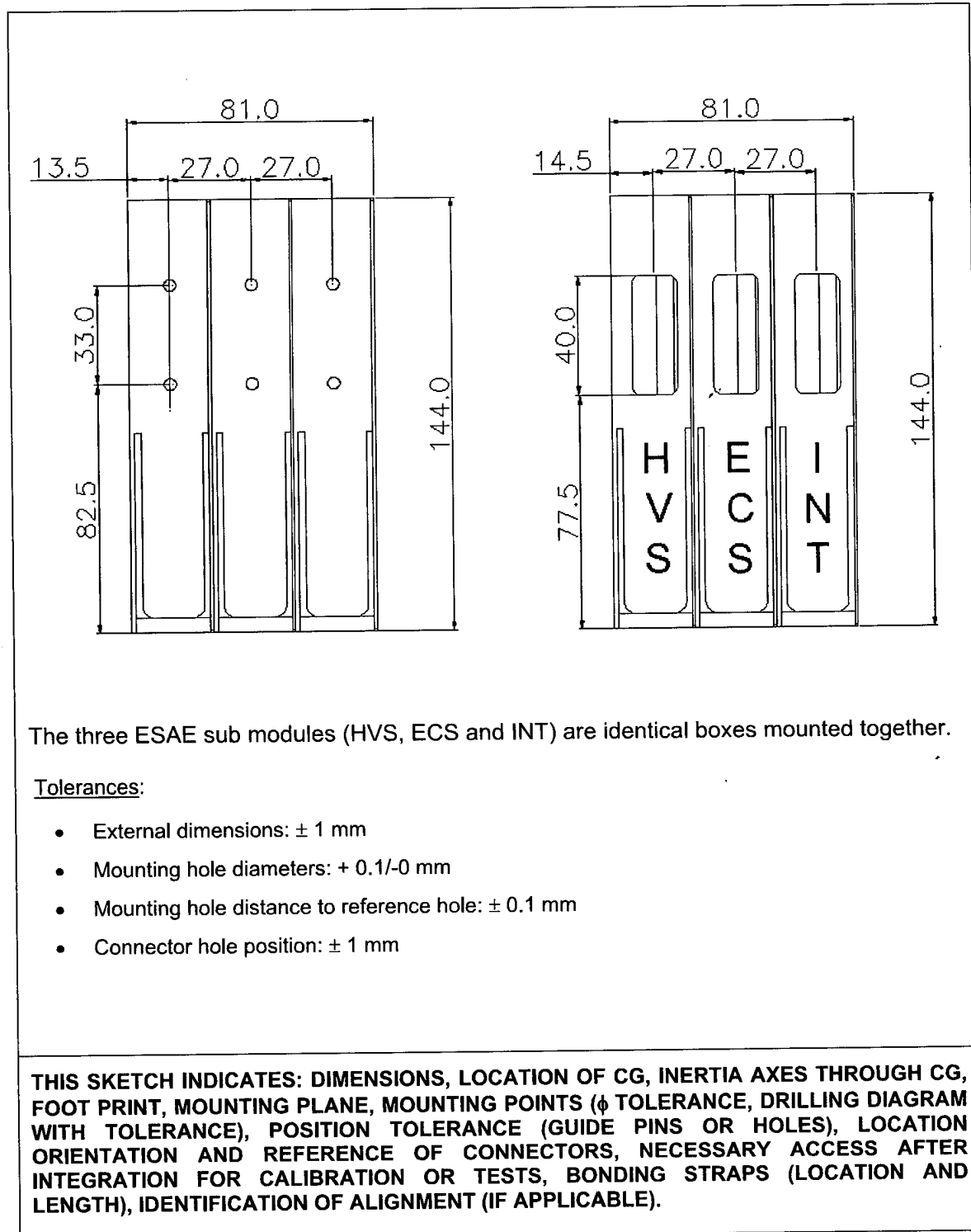
- External dimensions: ± 1 mm
- Mounting hole diameters: $+ 0.1/-0$ mm
- Mounting hole distance to reference hole: ± 0.1 mm
- Connector hole position: ± 1 mm

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).

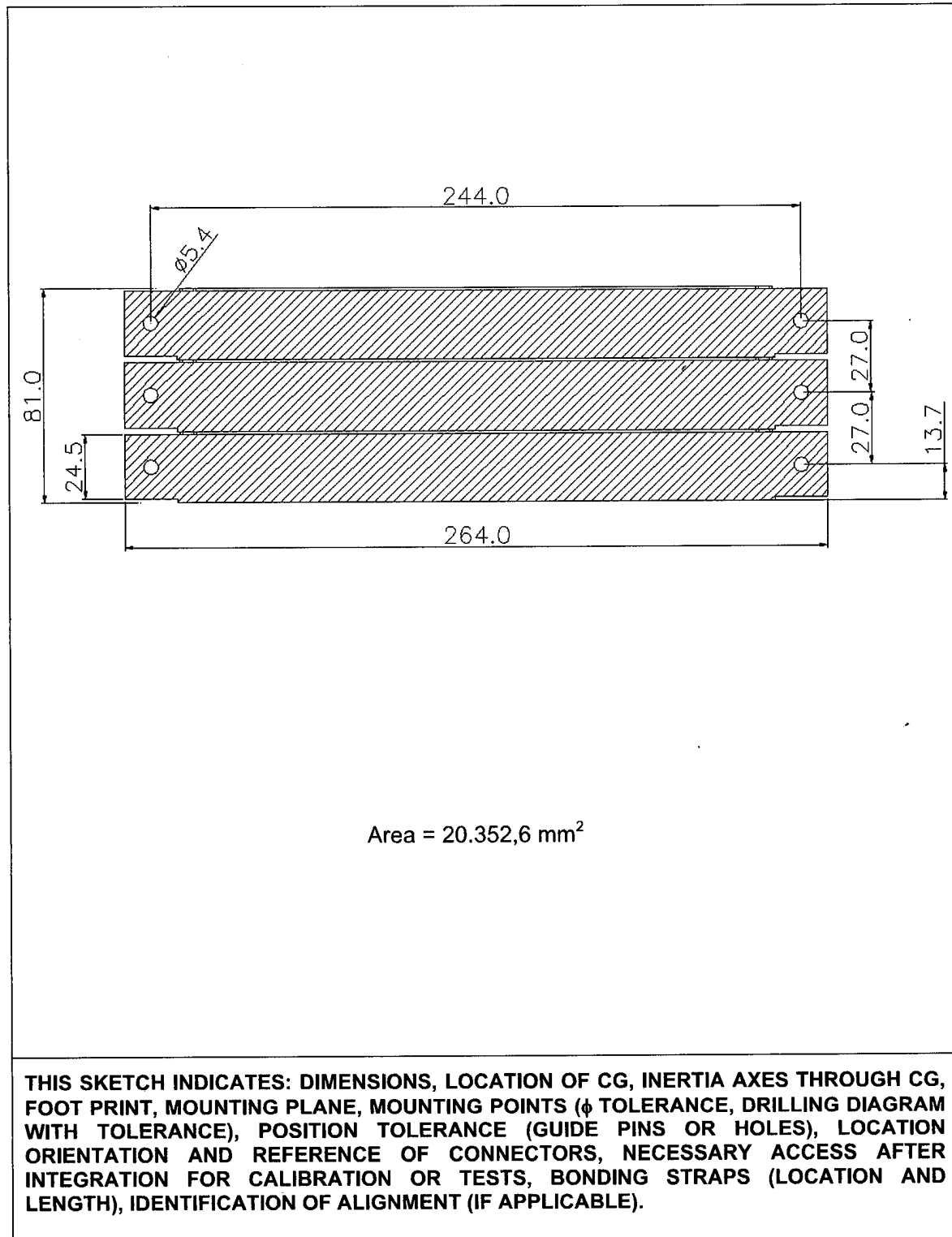
5.2.3. Side View



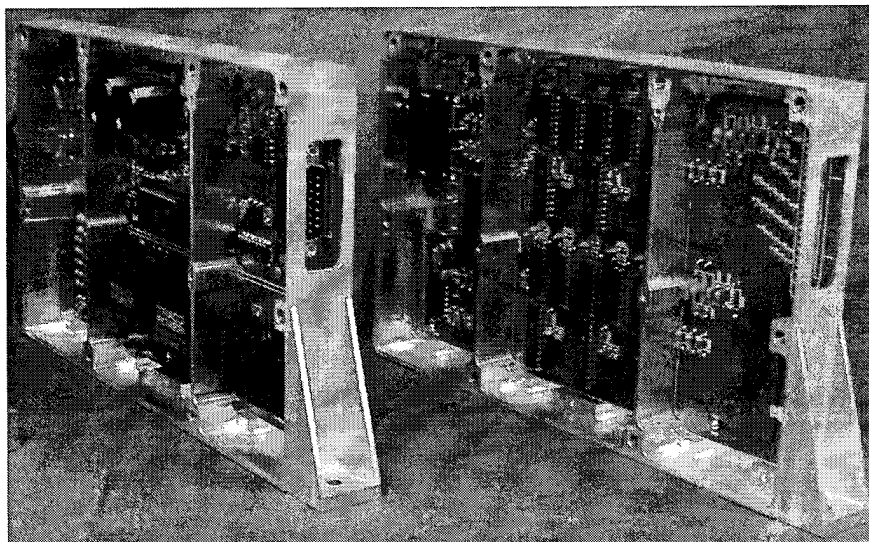
5.2.4. Front and Rear Views



5.2.5. ESAE Footprint



5.2.6. ESAE



This picture shows the engineering model of HVS (left) and ECS (right) submodules.

The interface sub module (INT) will have the same dimensions as the other two.

THIS SKETCH INDICATES: DIMENSIONS, LOCATION OF CG, INERTIA AXES THROUGH CG, FOOT PRINT, MOUNTING PLANE, MOUNTING POINTS (ϕ TOLERANCE, DRILLING DIAGRAM WITH TOLERANCE), POSITION TOLERANCE (GUIDE PINS OR HOLES), LOCATION ORIENTATION AND REFERENCE OF CONNECTORS, NECESSARY ACCESS AFTER INTEGRATION FOR CALIBRATION OR TESTS, BONDING STRAPS (LOCATION AND LENGTH), IDENTIFICATION OF ALIGNMENT (IF APPLICABLE).