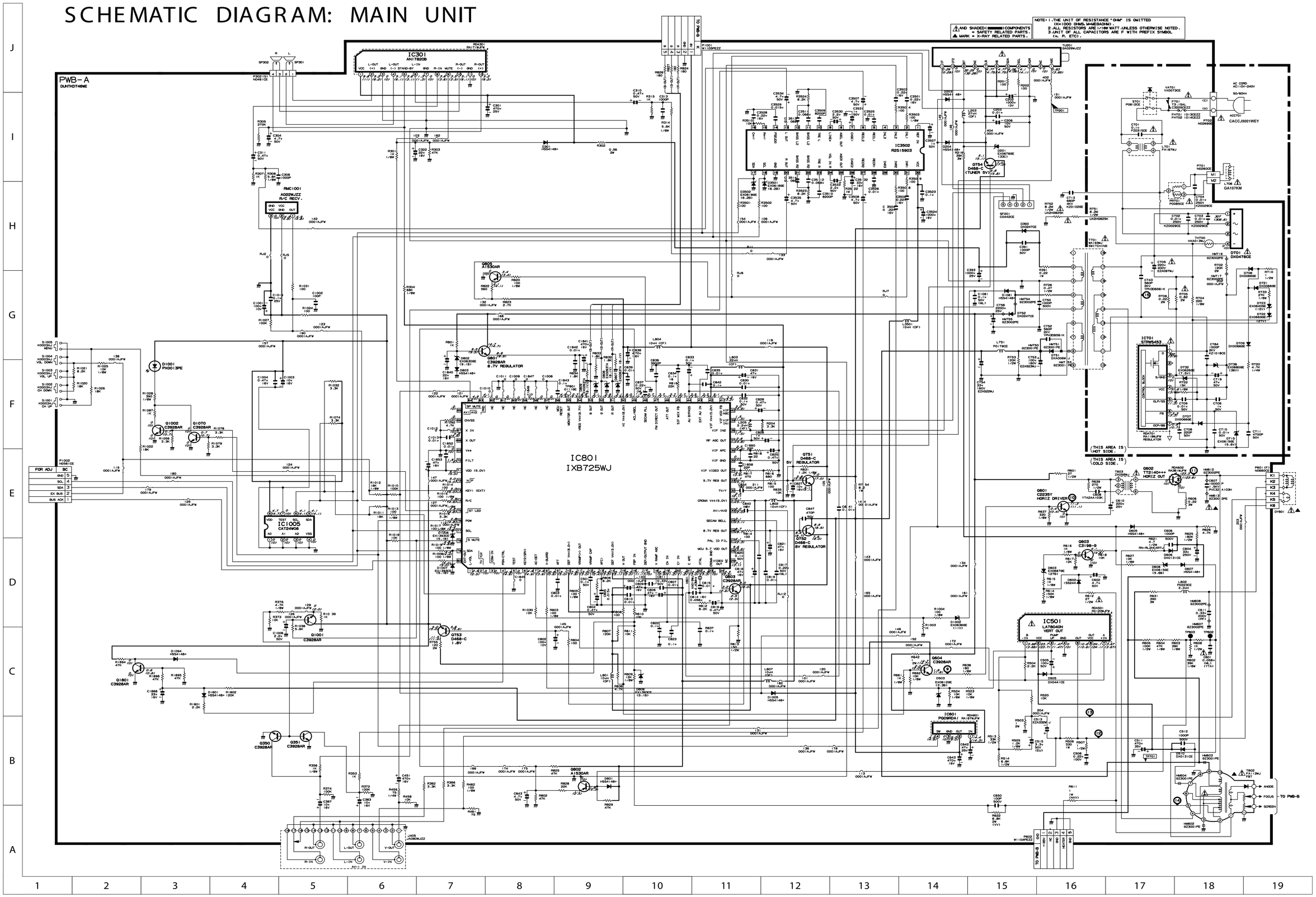SCHEMATIC DIAGRAM: MAIN UNIT