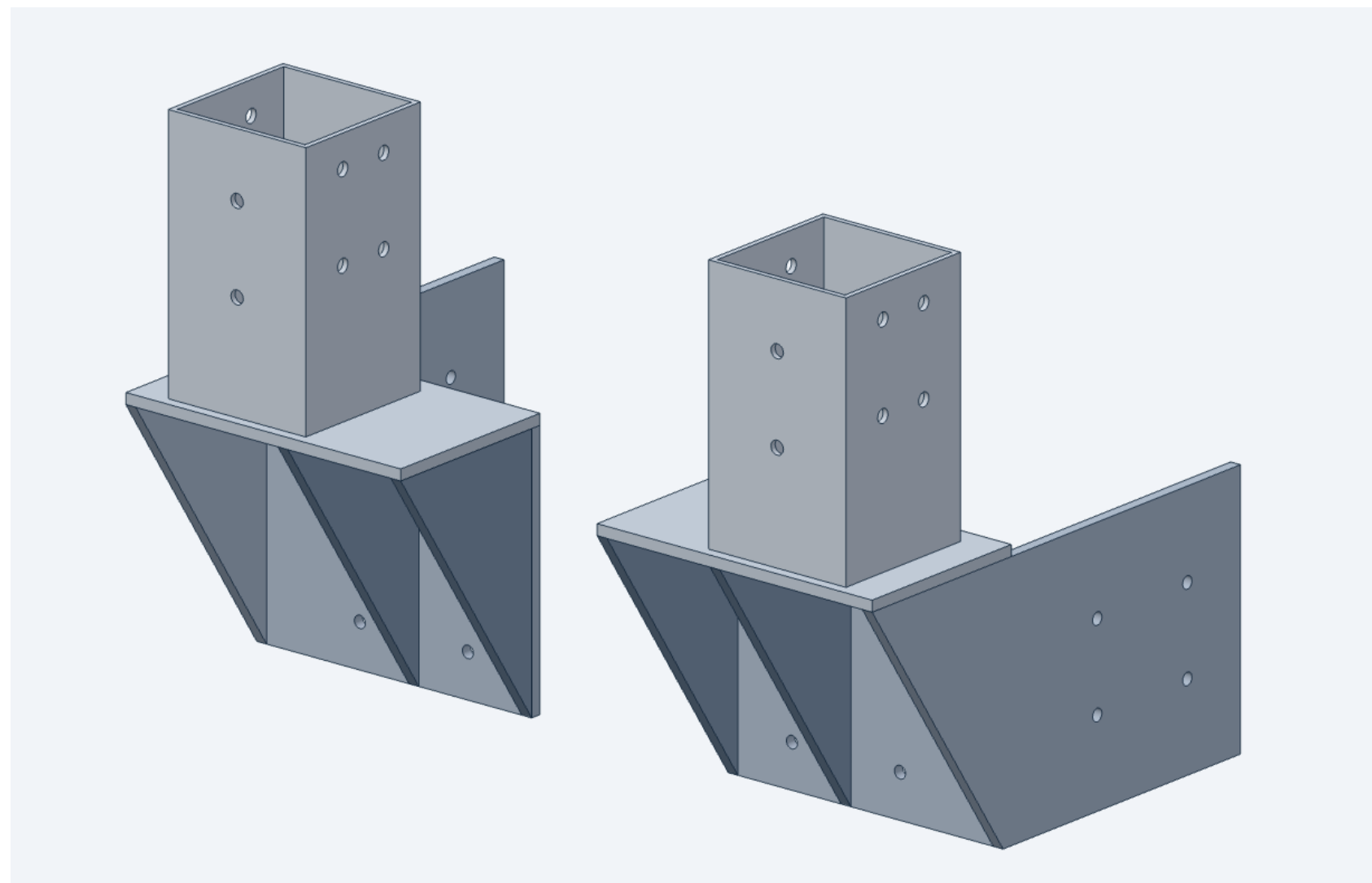
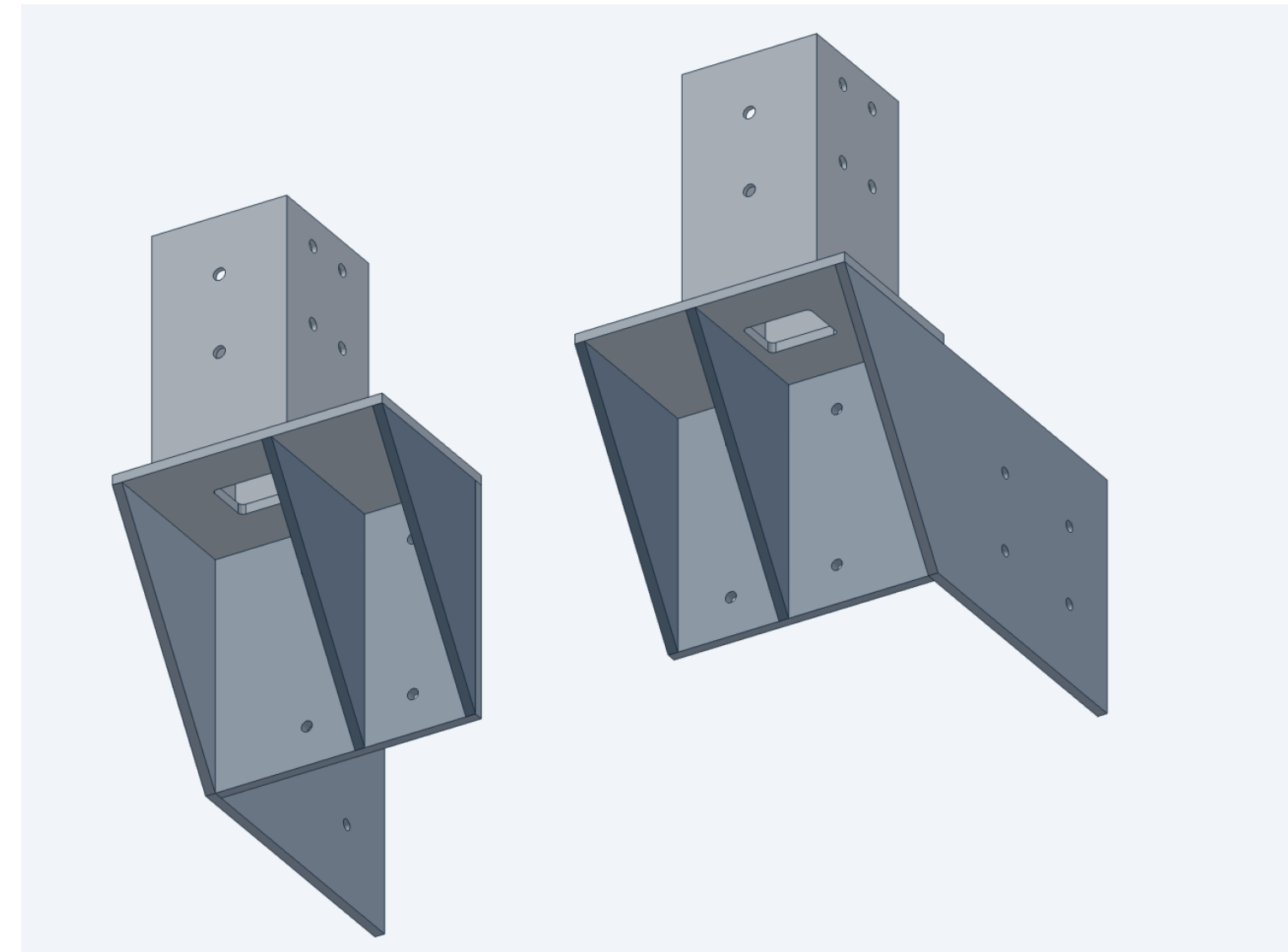


We need 2x brackets, one is a mirror of the other.
We have provided drawings for only the right side.
You can fabricate the plates identically and flip them over to achieve the mirror during welding.



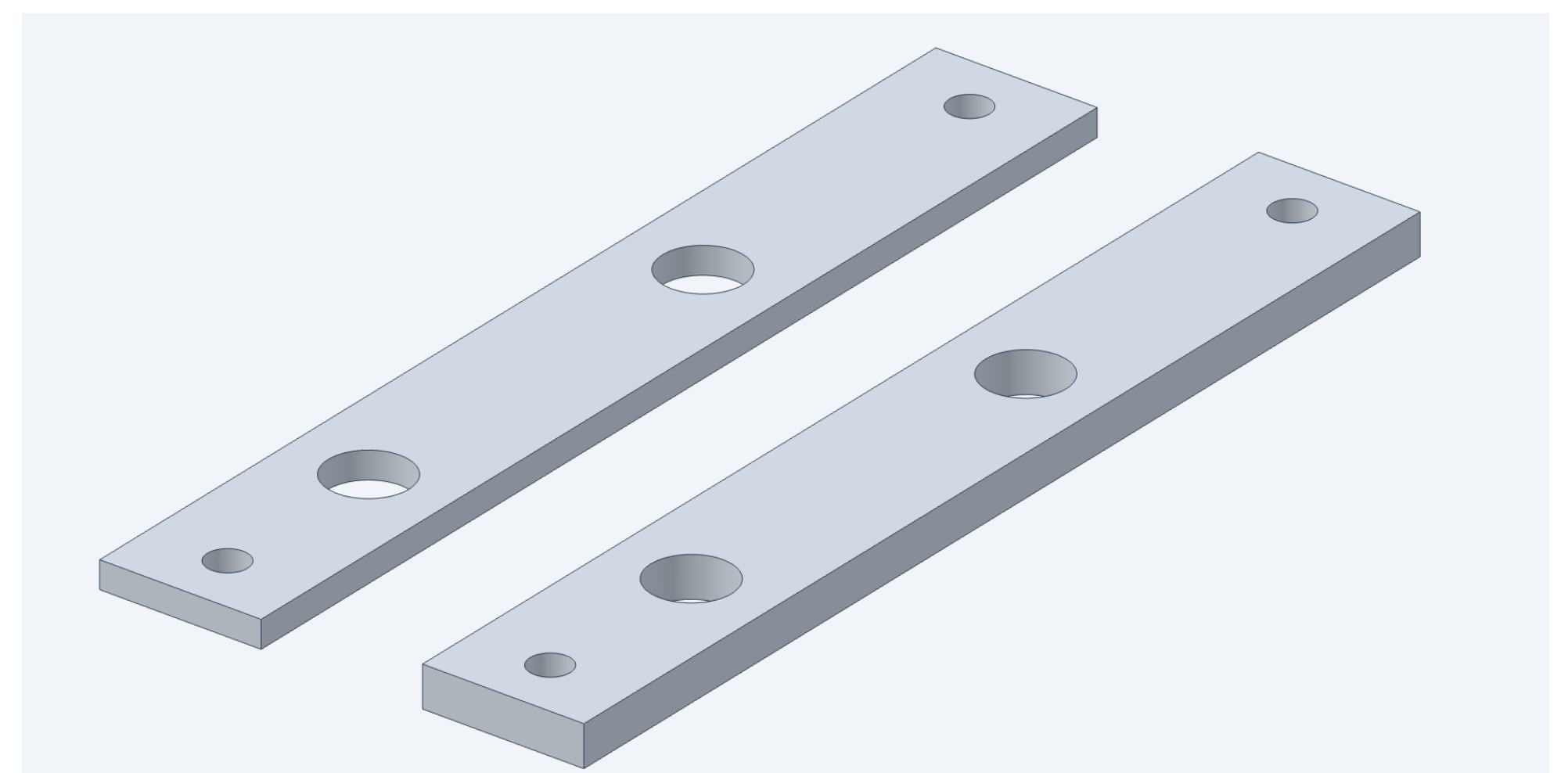
The plates of the bracket are all made out of 1/2" steel, the sleeve on top is a 7" tube of 1/4" thick steel. We would like the bracket galvanized if possible, and also painted black.



In addition to these brackets we also need some solid shims. We need them in these quantities:

- 12x in thickness 1/4"
- 16x in thickness 3/8"

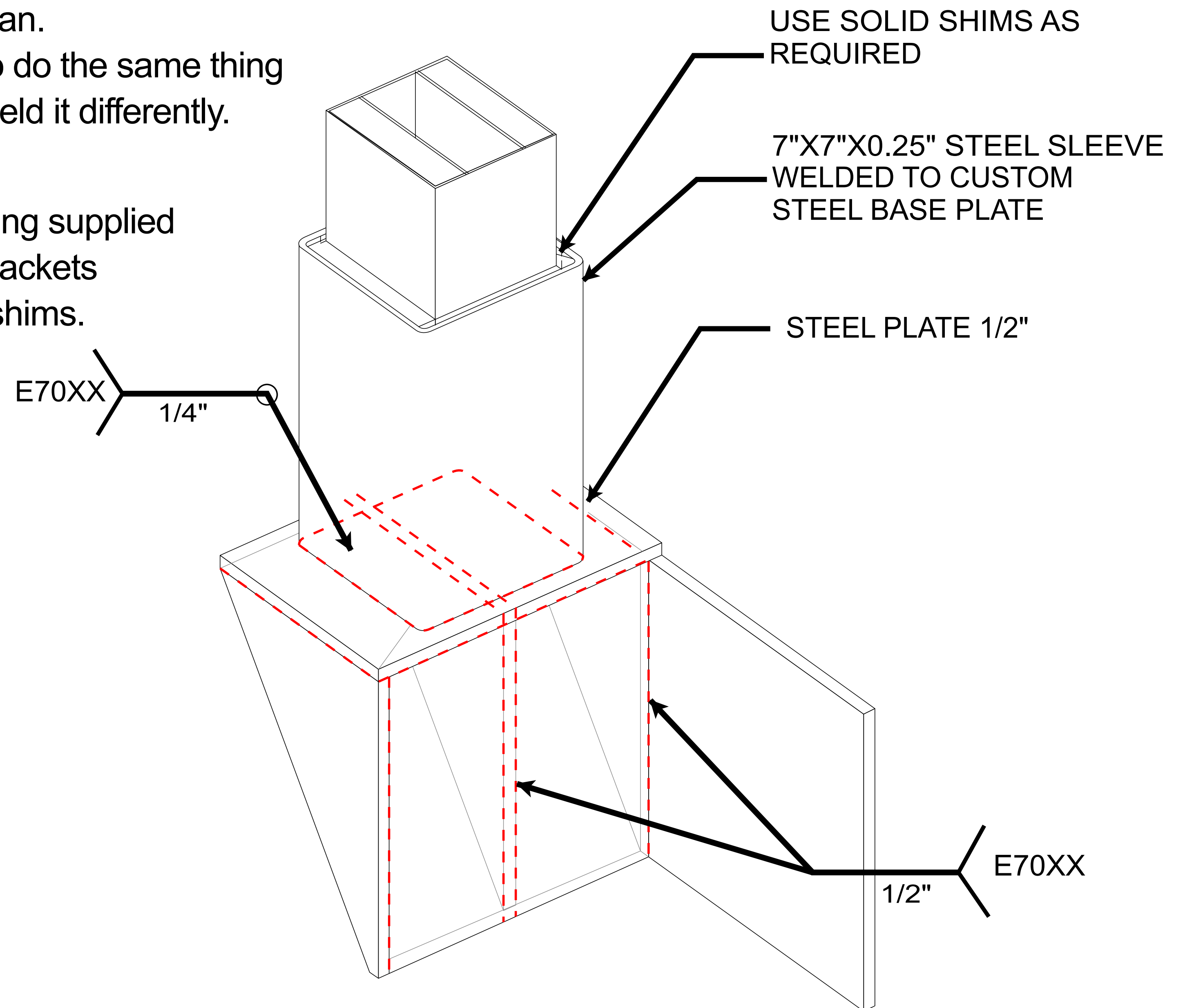
These shims can be steel or aluminum, whichever is cheaper. If steel they should be galvanized, and painted black no matter what.

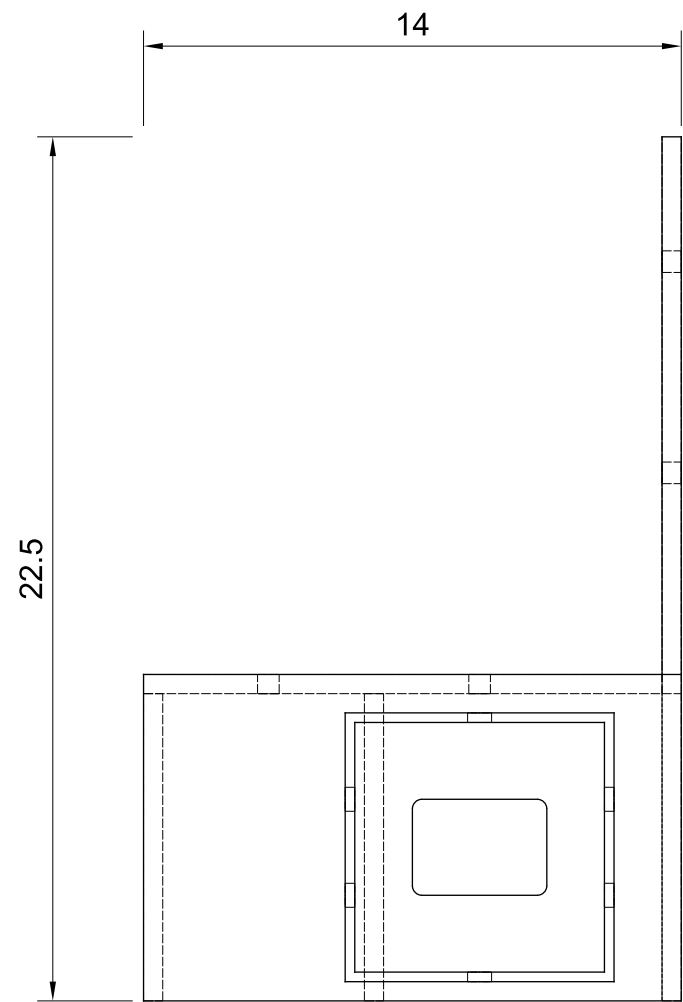


If useful, a 3D viewer and downloadable model of these parts is available at <https://deck-bracket.pages.dev/>

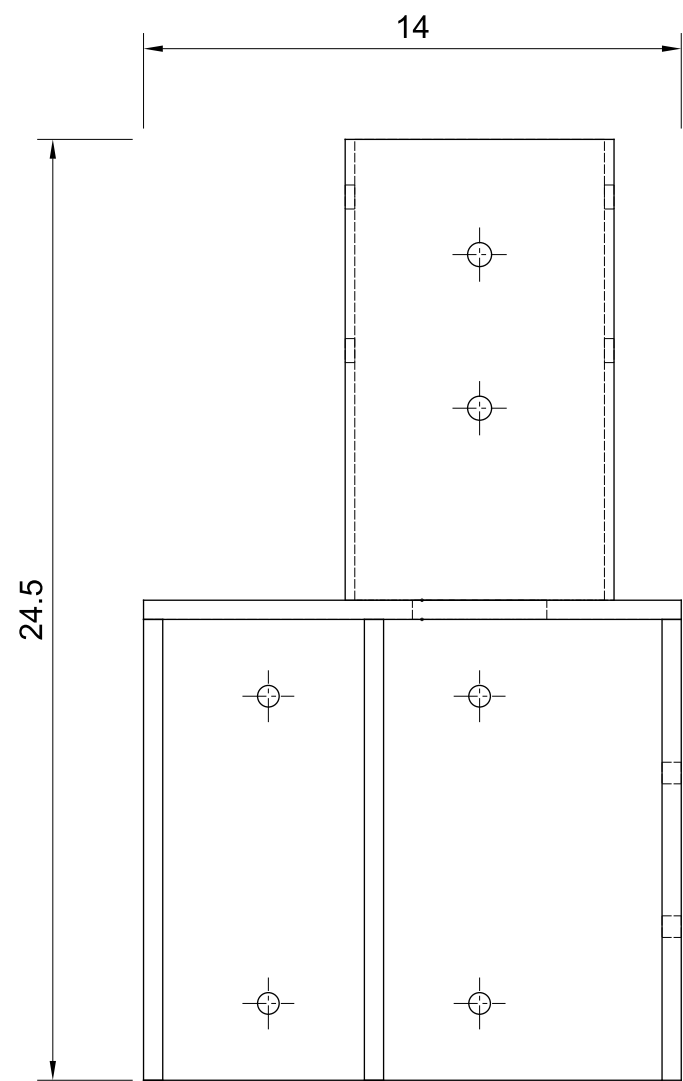
This is the suggested weld plan.
If the fabricator sees a way to do the same thing
easier or better, feel free to weld it differently.

The post in the diagram is being supplied
elsewhere, we only need 2 brackets
and the specified quantity of shims.

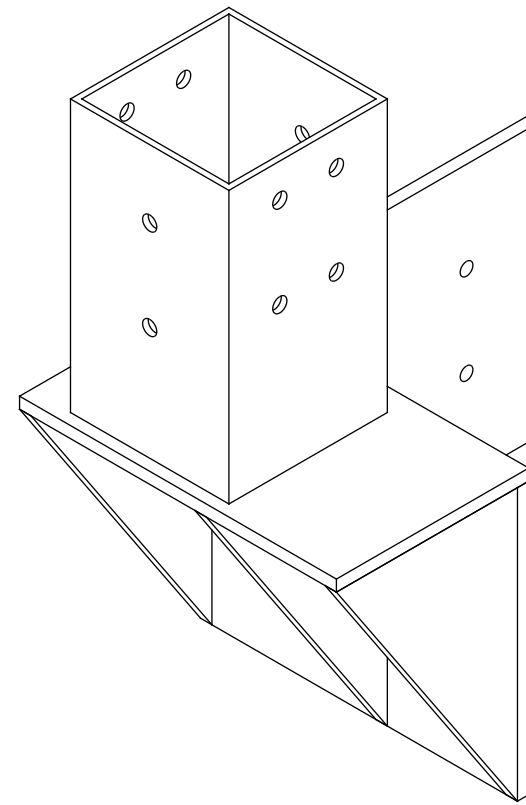




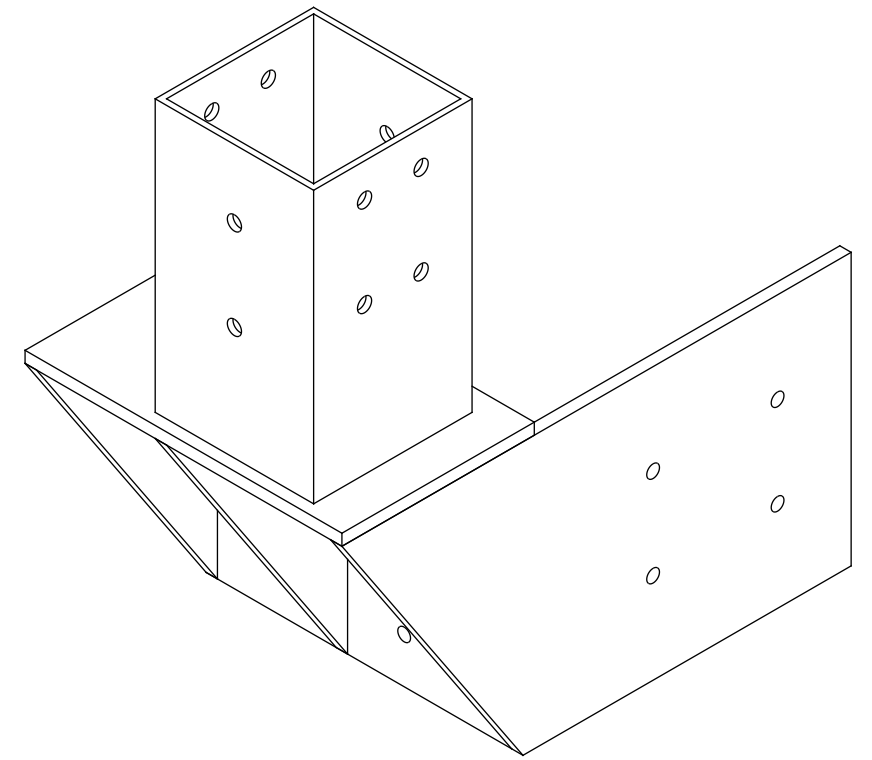
BASELINE TOP



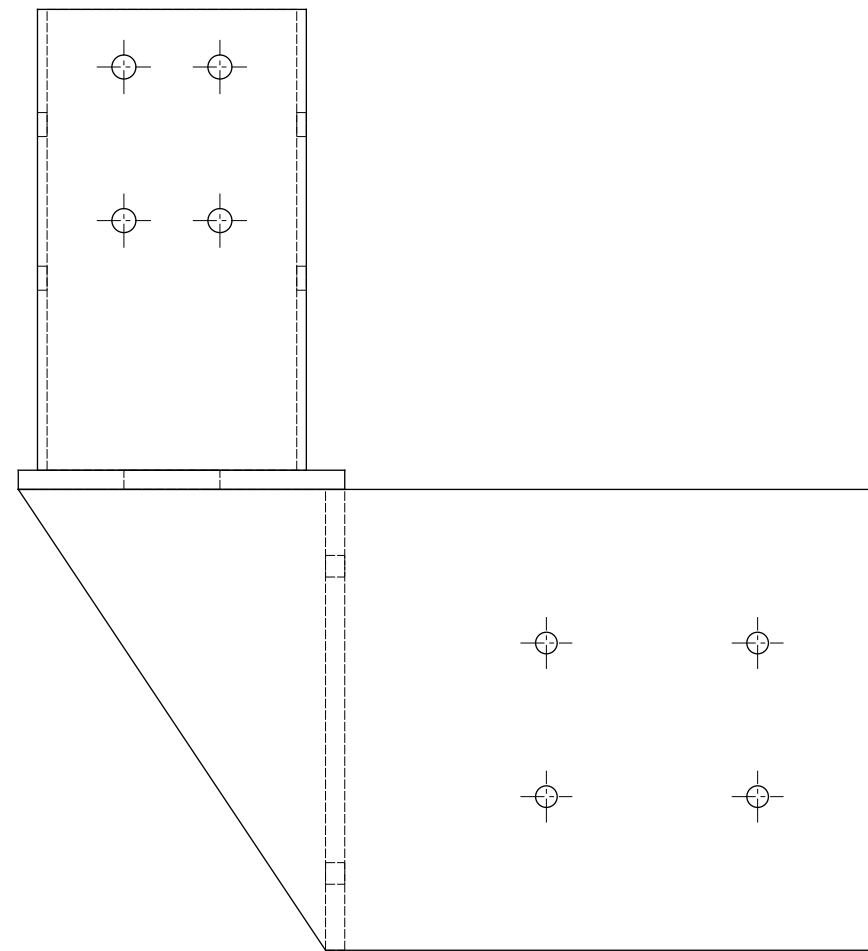
BASELINE FRONT



MIRRORED - QTY 1 - ISO



BASELINE - QTY 1 - ISO



BASELINE RIGHT

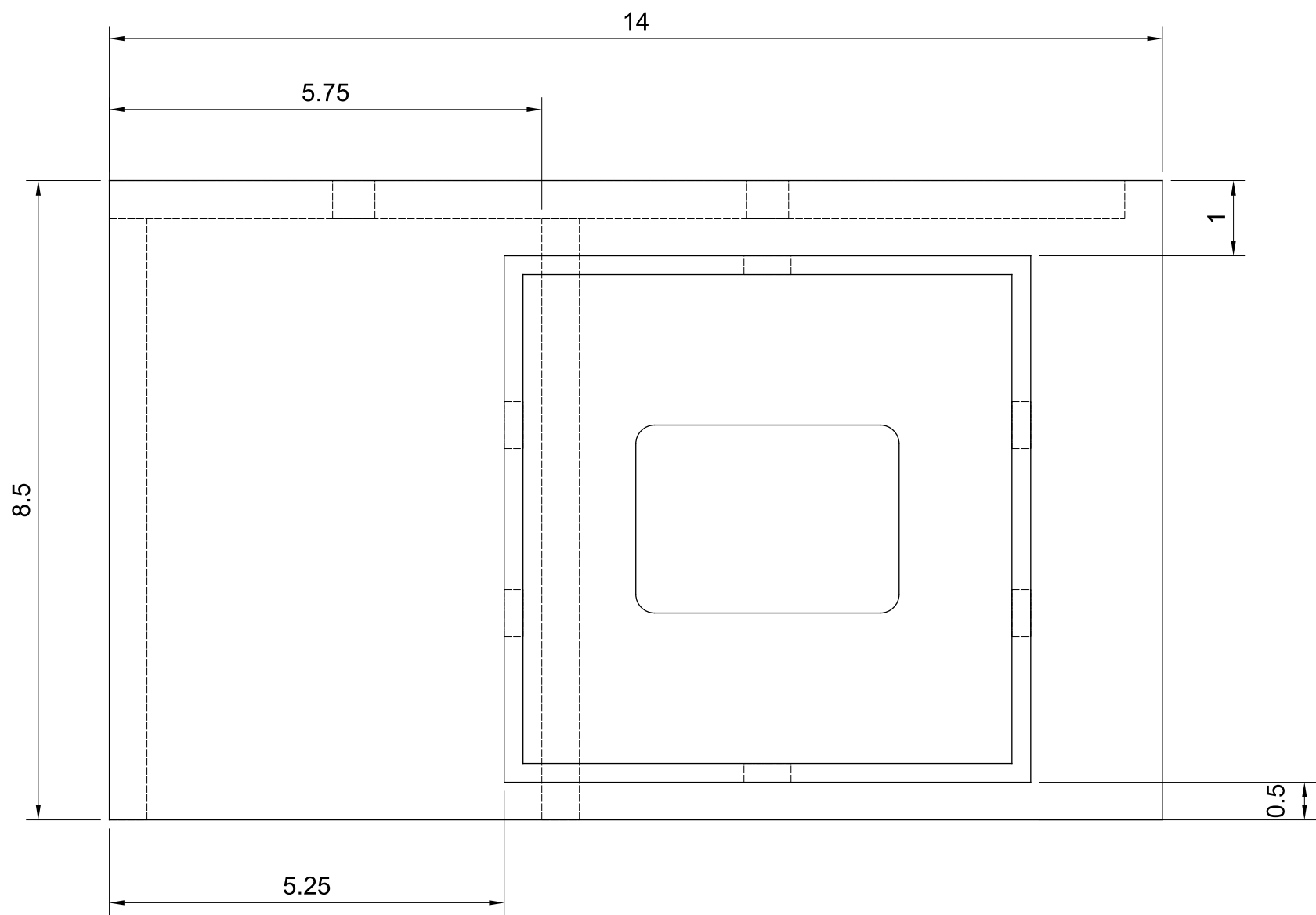
- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. MAKE ONE BASELINE AND ONE MIRRORED ASSEMBLY. COMPONENT QUANTITIES ON SHEETS 2-7 ARE PER ASSEMBLY.
3. SHEETS 2-7: STEEL LAYOUT AND COMPONENTS. FASTENERS NOT MODELED.
4. SOLID SHIMS AND ORDER QUANTITIES: SEE SHEET 8.
5. STEEL THICKNESS: SLEEVE WALL 1/4 in; ALL OTHER STEEL 1/2 in.
6. SLEEVE HOLES 5/8 in; MOUNTING-PLATE HOLES 9/16 in.
7. GUTTER OUTLET 3.5 x 2.5 in, CENTERED ON SLEEVE.

STEEL BRACKET ASSEMBLIES

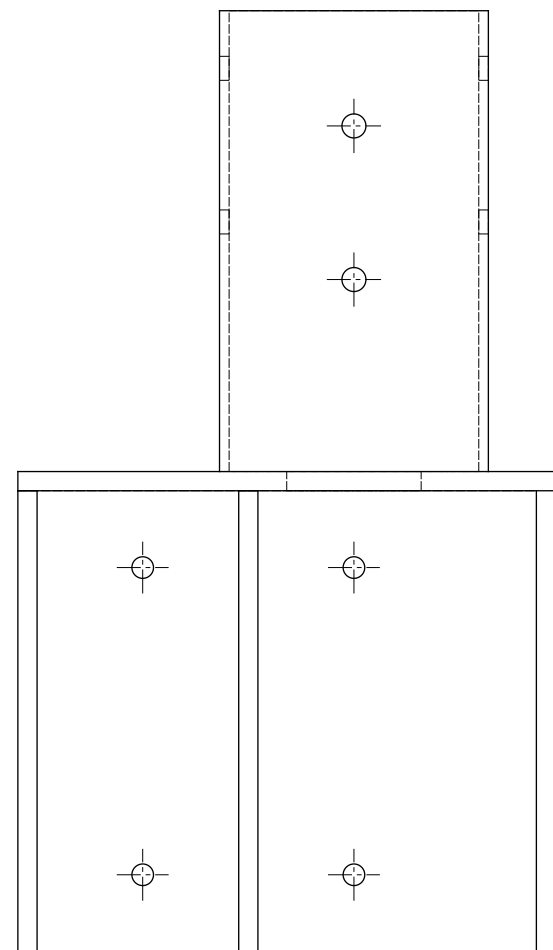
SCALE 1:5 IN THIRD ANGLE

BRK-GA · STEEL

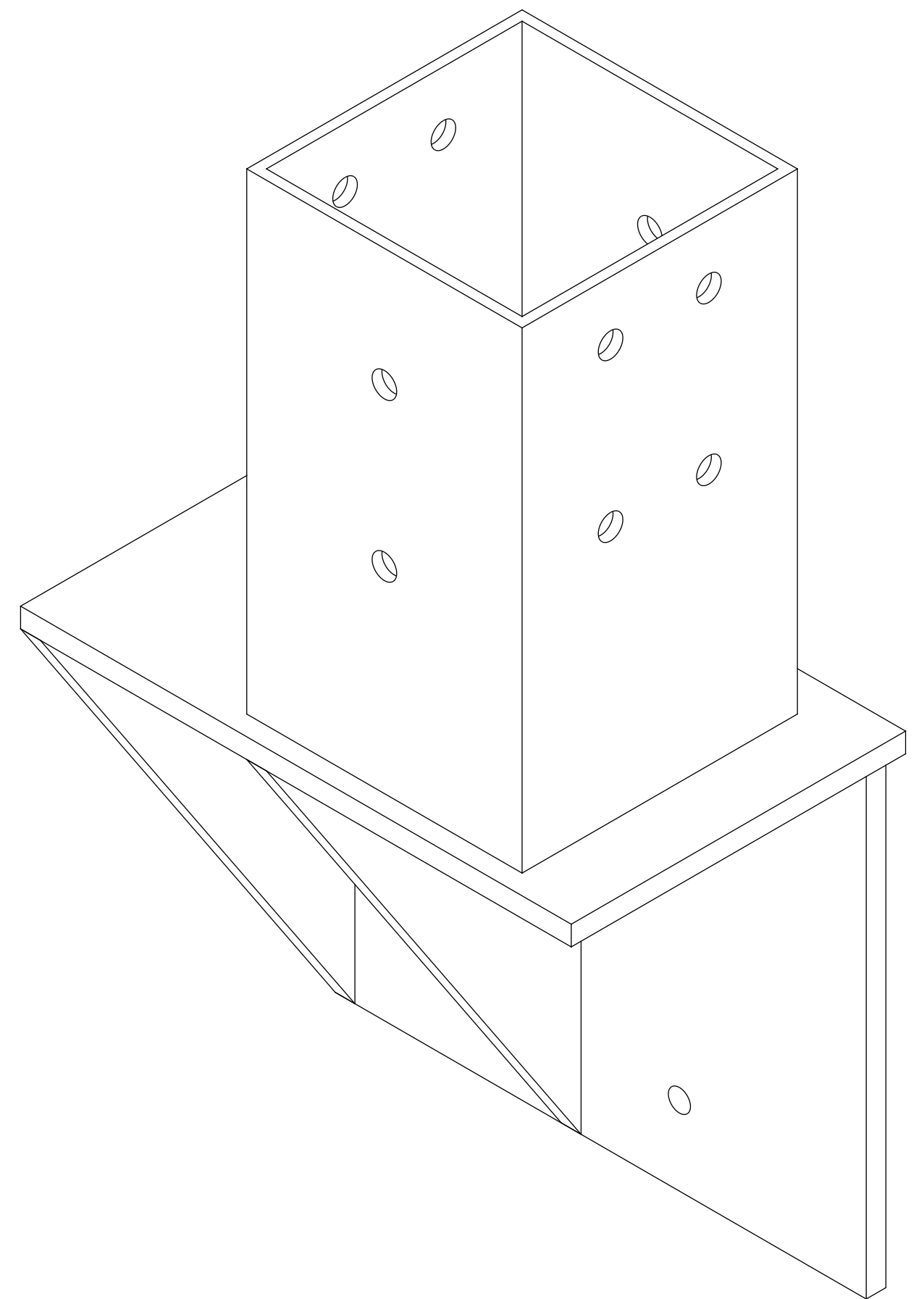
SHEET 1 OF 8 REV AA bracket_drawing



PLAN - RETURN OMITTED



FRONT - RETURN OMITTED



ISOMETRIC

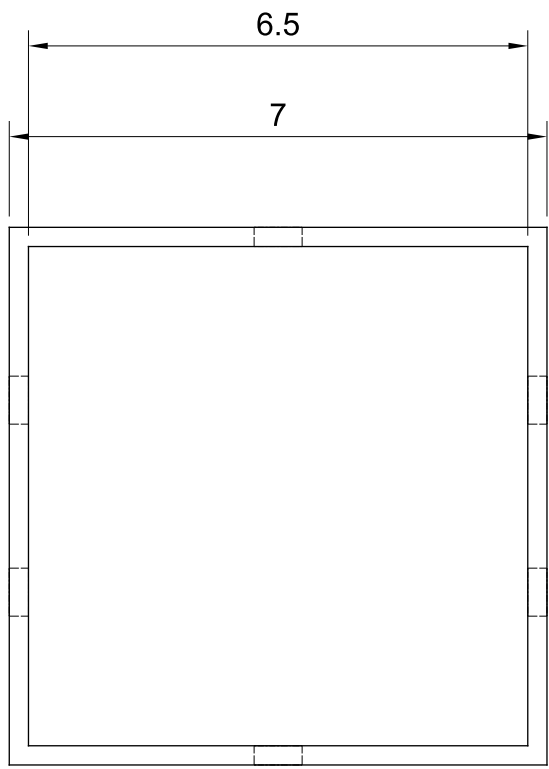
- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. RETURN PLATE / INTEGRAL OUTER GUSSET OMITTED IN THESE VIEWS FOR CLARITY; SEE SHEET 6.
3. SLEEVE WALL 1/4 in; ALL OTHER STEEL 1/2 in. INNER GUSSET FLUSH WITH INNER END.
4. SOURCE WELD NOTES: E70XX; 1/4 in SLEEVE, 1/2 in BASE.

STEEL ASSEMBLY LAYOUT

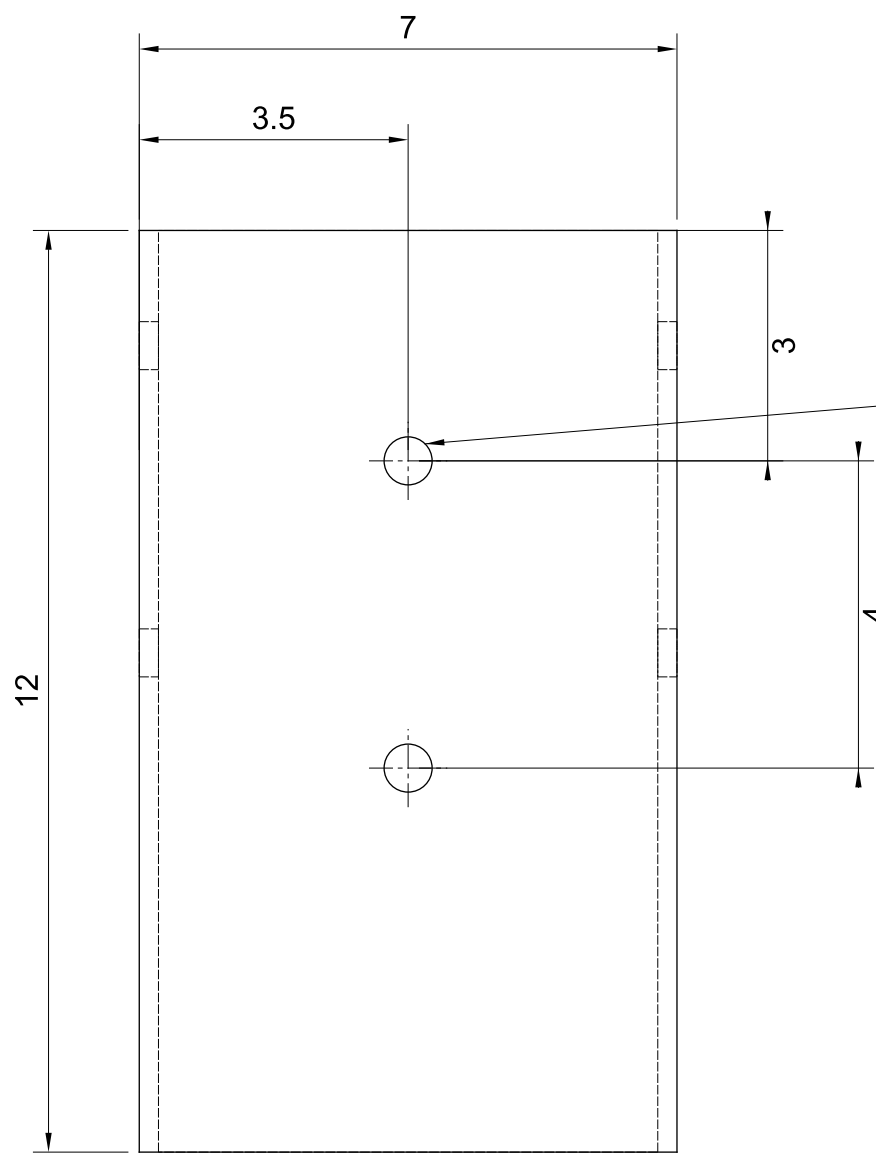
SCALE 1:2 IN THIRD ANGLE

BRK-LAYOUT · STEEL

SHEET 2 OF 8 REV AA bracket_drawing

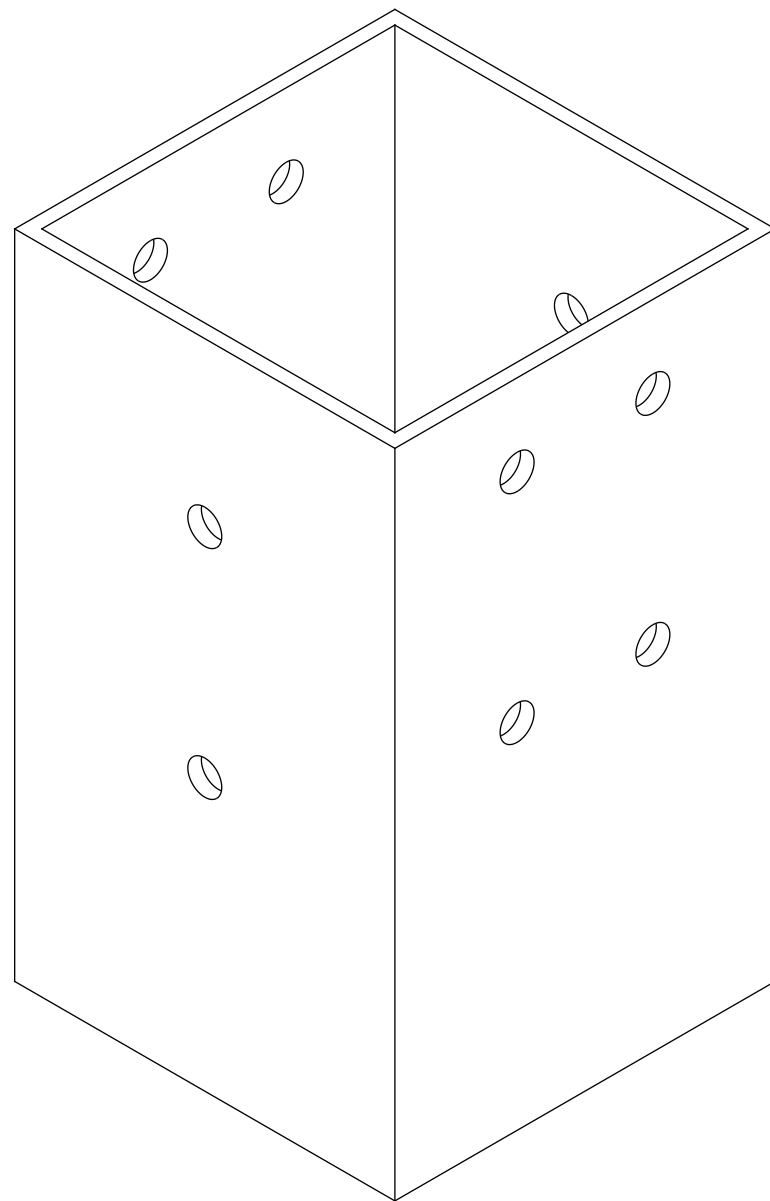


TOP

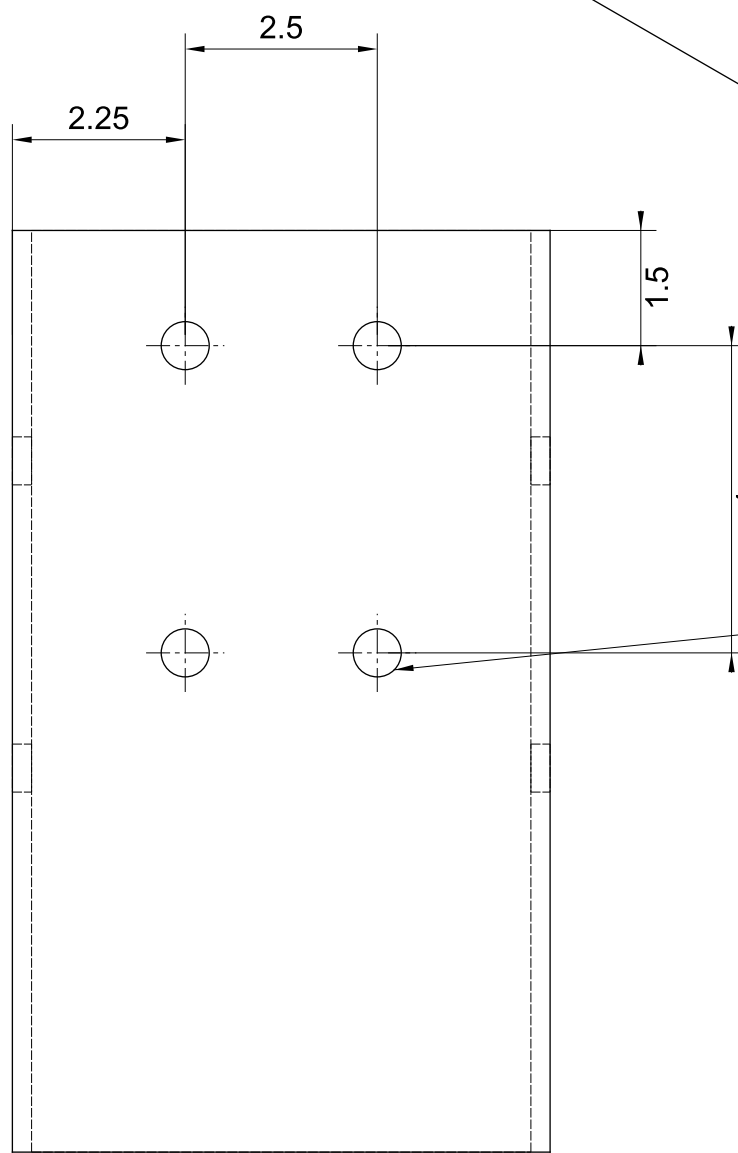


FRONT

2× Ø0.625 THRU PER FACE



ISO



RIGHT

4× Ø0.625 THRU PER FACE

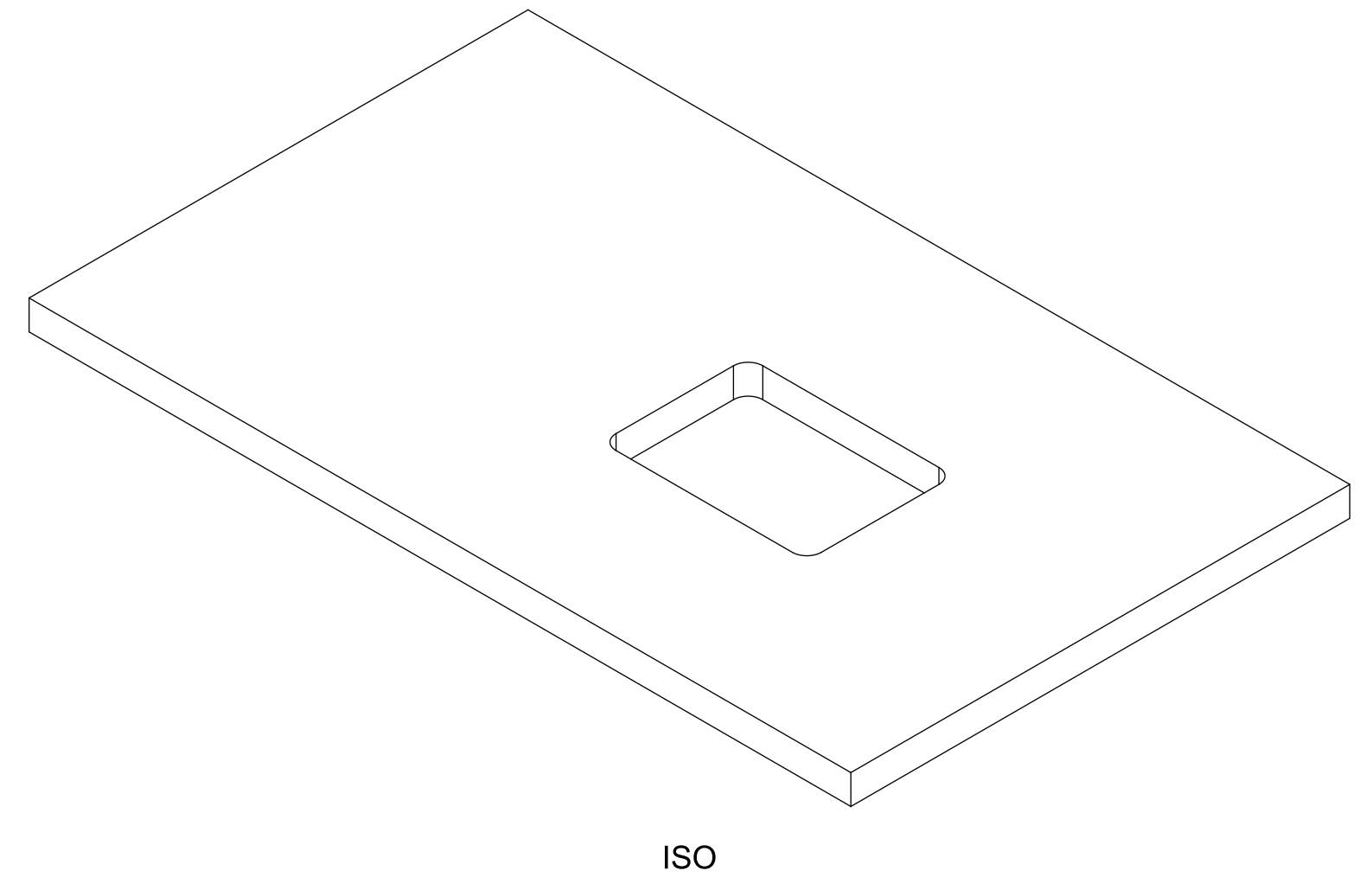
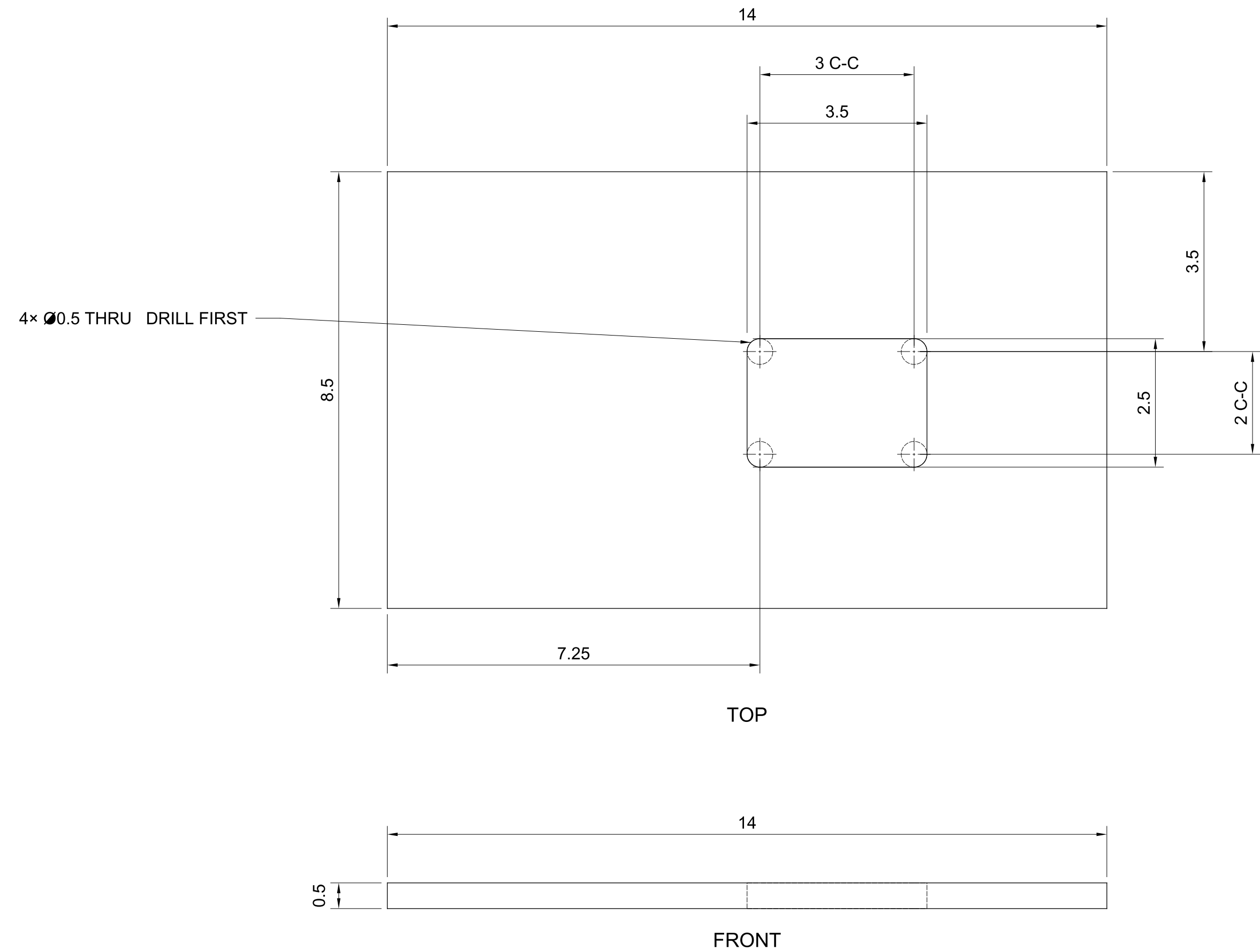
- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. QTY 1. OUTSIDE 7 x 7 in; WALL 1/4 in; HEIGHT 12 in. SHARP CORNERS AS MODELED.
3. 12 WALL HOLES TOTAL: TWO PER FRONT/BACK FACE; FOUR PER SIDE FACE. OPPOSITE HOLES COAXIAL.
4. HOLE DIAMETER 5/8 in. PATTERN ROTATED 90 DEGREES FROM SOURCE SVG.
5. VERTICAL ROW SPACING 4 in. TOP ROWS RETAINED; LOWER ROWS MOVED UP 2 in.

SQUARE SLEEVE - DRILLING

SCALE 1:2.5 IN THIRD ANGLE

BRK-01 · STEEL

SHEET 3 OF 8 REV AA bracket_drawing



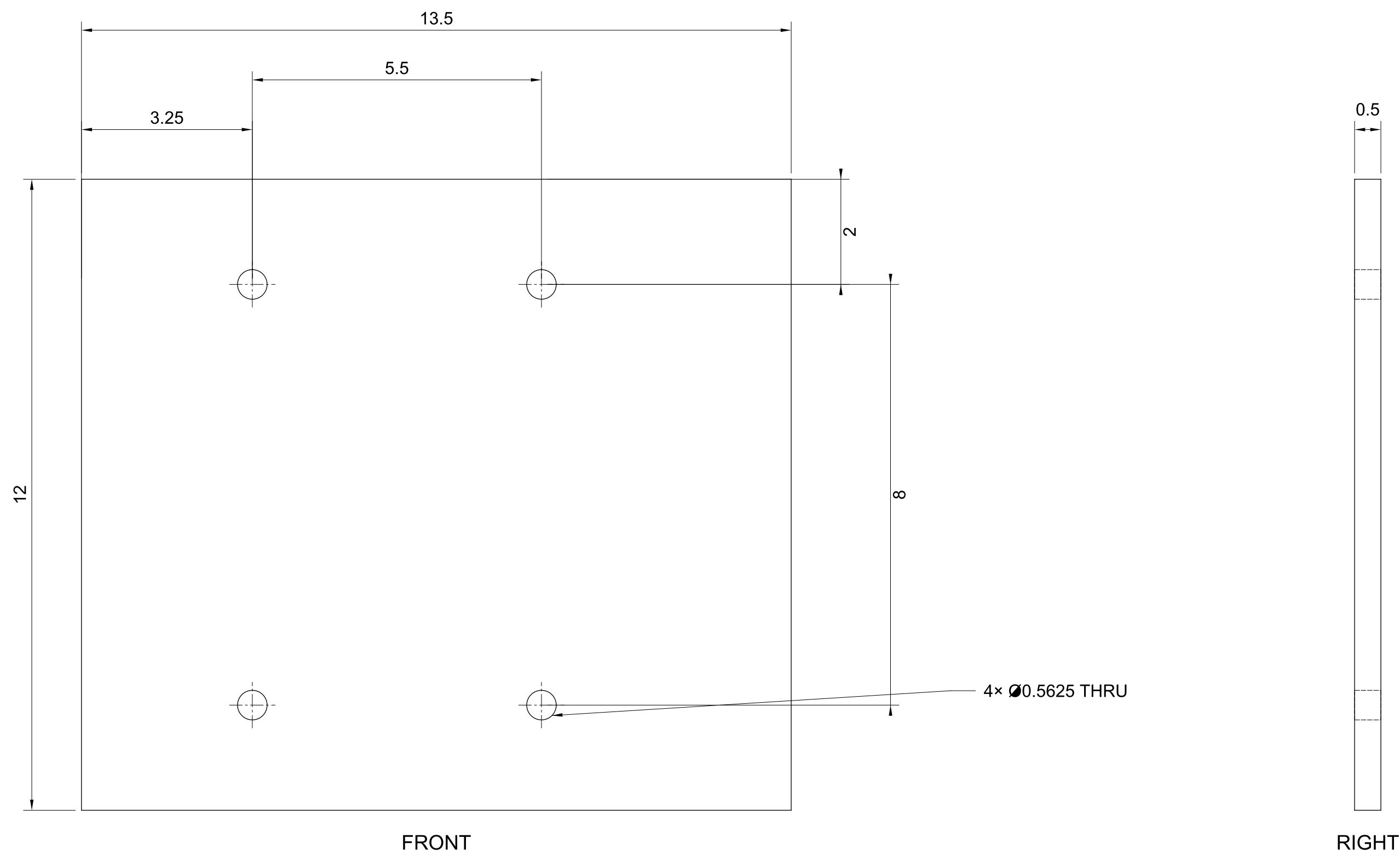
- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. QTY 1. STOCK THICKNESS 1/2 in. RECTANGULAR OPENING THROUGH ENTIRE PLATE.
3. FINISHED OPENING 3.5 x 2.5 in, CENTERED ON SLEEVE.
4. DRILL FOUR 1/2 in CORNER HOLES ON A CENTERED 3 x 2 in RECTANGLE; CONNECT WITH TANGENT CUTS.
5. DASHED CIRCLES SHOW INITIAL DRILLING; SOLID OUTLINE SHOWS FINISHED OPENING.

CAP PLATE / GUTTER DRAIN

SCALE 1:2 IN THIRD ANGLE

BRK-02 · STEEL

SHEET 4 OF 8 REV AA bracket_drawing



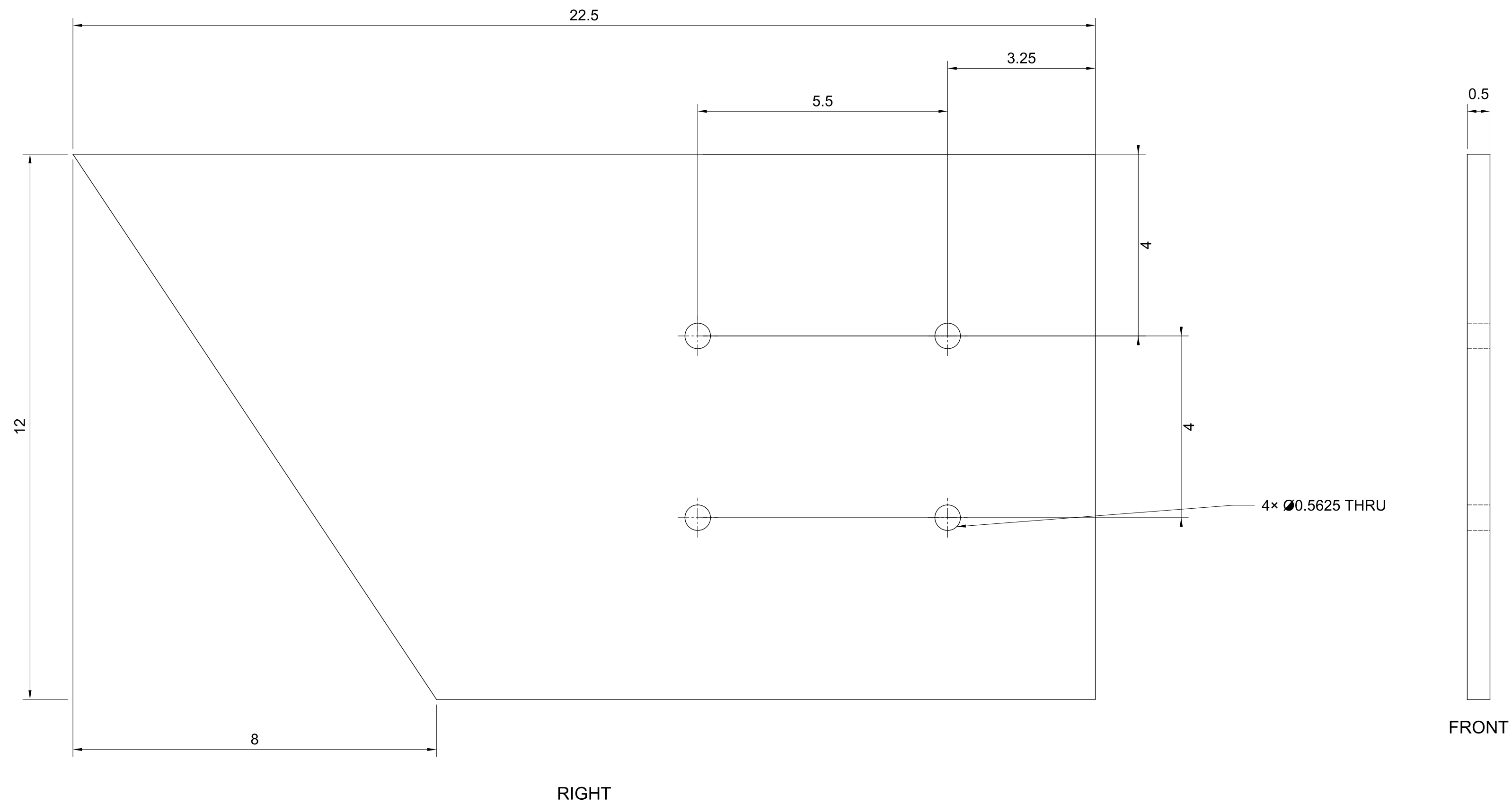
NOTES: 1. ALL DIMENSIONS IN INCHES.
2. QTY 1. STOCK THICKNESS 1/2 in. PLATE BUTTS AGAINST CONTINUOUS RETURN PLATE.
3. FOUR THROUGH HOLES, 9/16 in DIAMETER.

FRONT MOUNTING PLATE

SCALE 1:2 IN THIRD ANGLE

BRK-03 · STEEL

SHEET 5 OF 8 REV AA bracket_drawing

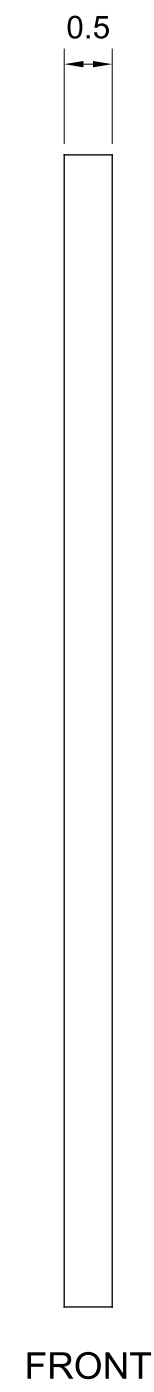
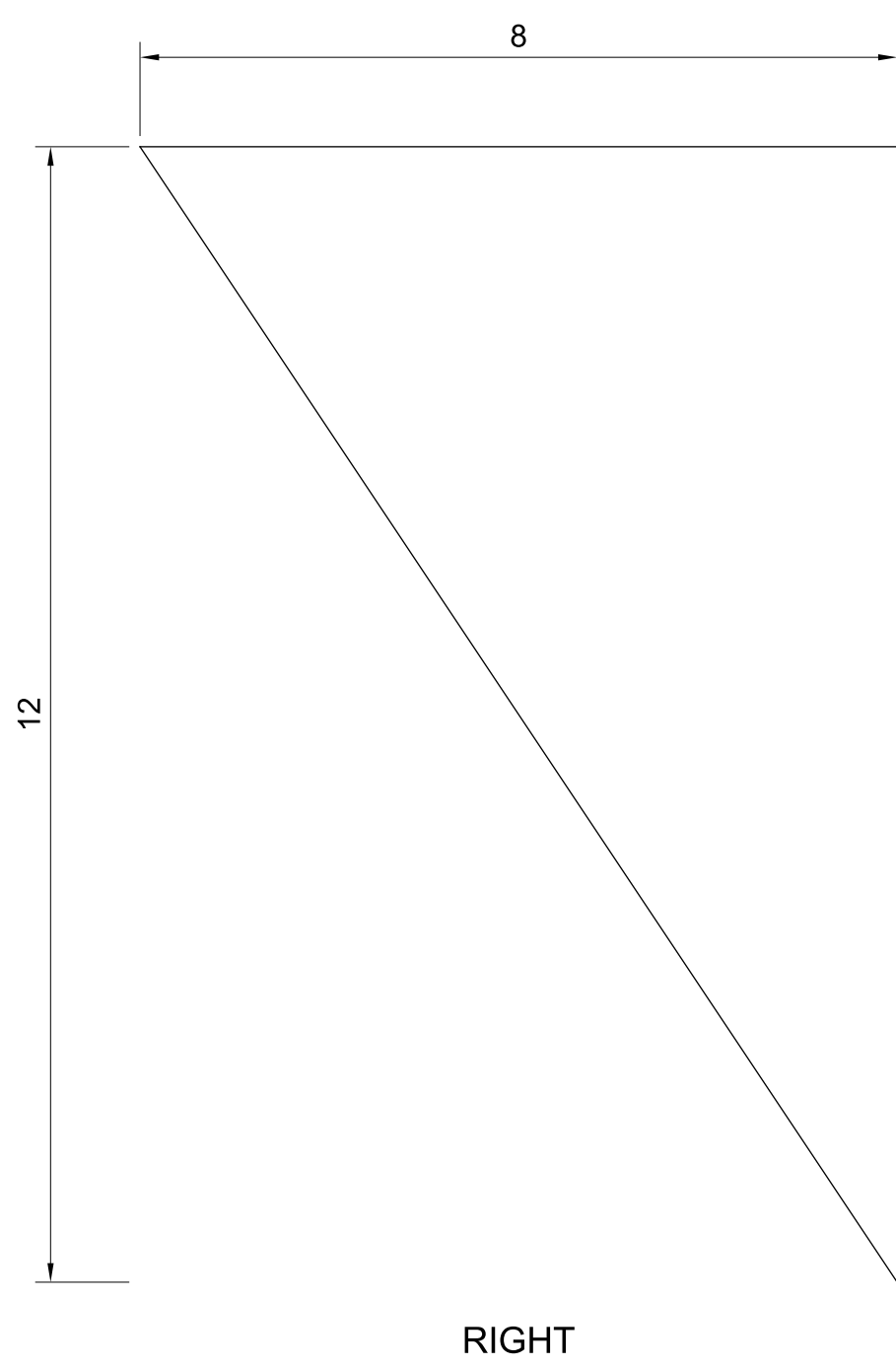


NOTES: 1. ALL DIMENSIONS IN INCHES.
2. QTY 1. ONE CONTINUOUS PLATE, THICKNESS 1/2 in; NO JOINT AT GUSSET TRANSITION.
3. FOUR THROUGH HOLES, 9/16 in DIAMETER.

SCALE 1:2 IN THIRD ANGLE

BRK-04 · STEEL

SHEET 6 OF 8 REV AA bracket_drawing



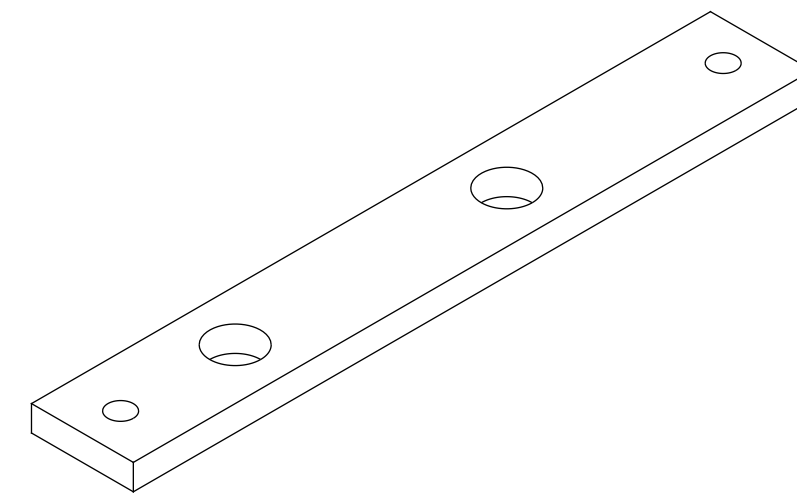
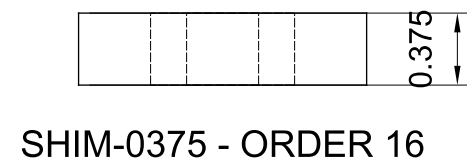
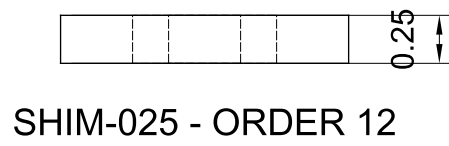
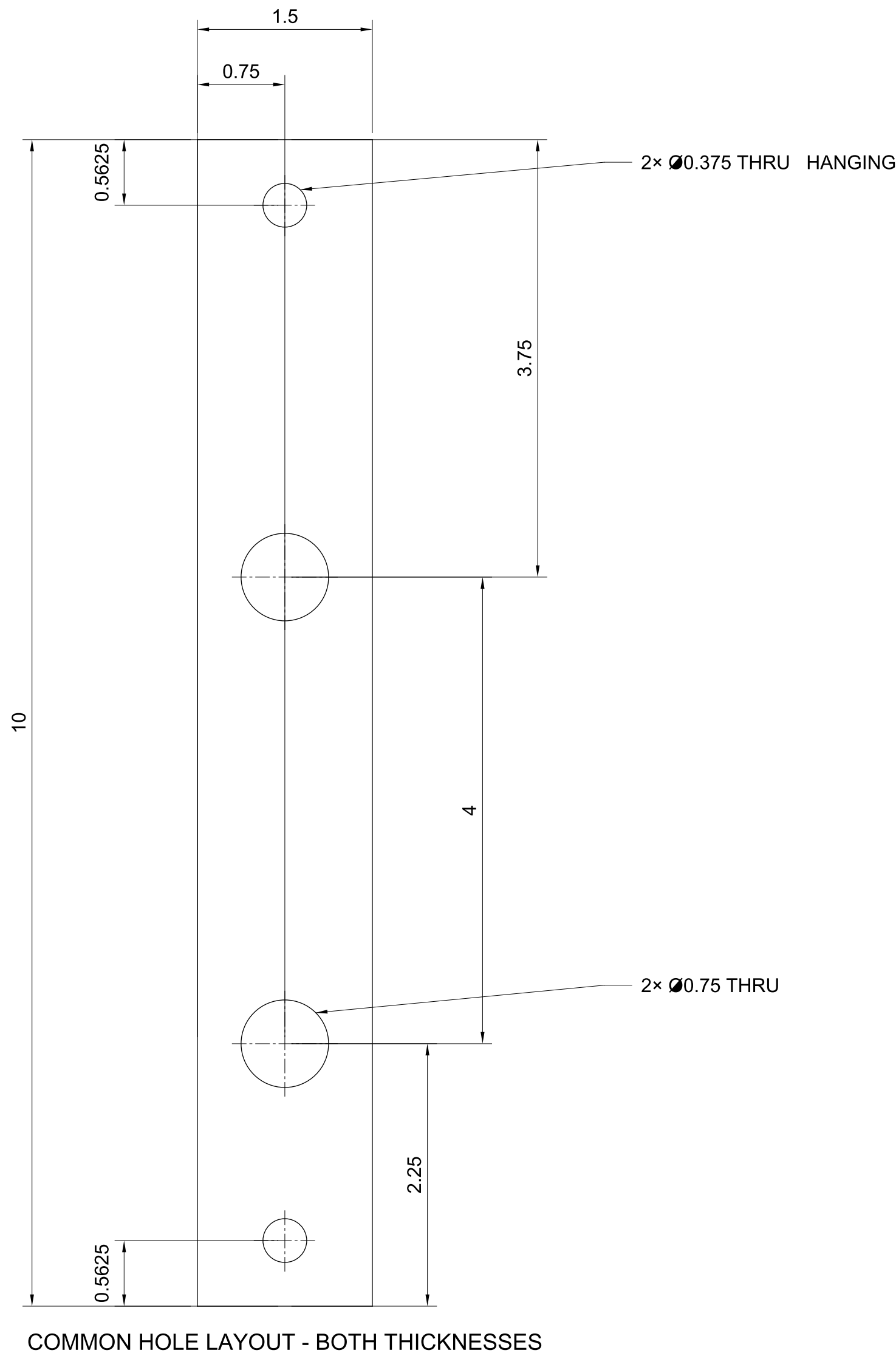
- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. One assembly requires 2x of this component, recommend cutting 8x12 rectangle across diagonal and using both sides
3. OUTER GUSSET IS INTEGRAL WITH RETURN PLATE; SEE SHEET 6. INSTALL LOCATIONS ON SHEET 2.

INNER / MIDDLE GUSSETS

SCALE 1:2 IN THIRD ANGLE

BRK-05 · STEEL

SHEET 7 OF 8 REV AA bracket_drawing



- NOTES: 1. ALL DIMENSIONS IN INCHES.
2. ORDER 12 SHIM-025 AND 16 SHIM-0375 (28 TOTAL).
3. SHIM QUANTITIES COVER TWO BRACKETS: ONE ORIGINAL AND ONE MIRRORED.
4. EXPECTED USE: 8 SHIM-025 AND 12 SHIM-0375; INCLUDES 4 SPARES OF EACH THICKNESS IN ORDER.
5. SHIM-025: 1/4 in THICK. SHIM-0375: 3/8 in THICK. IDENTICAL OUTLINE AND HOLE LAYOUT.
6. ALL FOUR HOLES CENTERED ACROSS THE 1.5 in WIDTH. MAIN HOLES: 3/4 in DIAMETER, 4 in APART.
7. HANGING HOLES: 3/8 in DIAMETER, CENTERS 9/16 in FROM EACH END; END EXTENSIONS 3/4 in EACH.

SOLID SHIMS

SCALE 1:1 IN THIRD ANGLE

SHIM-025 / SHIM-0375 · STEEL OR ALUMINUM

SHEET 8 OF 8 REV AA bracket_drawing