



Queensland Rubber Company Pty Ltd

Manufacturers of Industrial Rubber Products

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9th June 2000

Mr. Wayne Dwyer
11 Seabreeze St.
Paradise Point, 4216

Dear Sir,

RE: Load Test Type 2 Kerb Adaptor.

We have carried out load testing of a kerb adaptor with the goal being able to simulate an axle load of 8 tonne.

Methodology:

1. A kerb adaptor was placed between two timber sections of the same profile as the kerb adaptor so as to simulate the concrete surrounds to a normal kerb adaptor.
2. A soft rubber loading pad 180mm long x 120mm wide x 75mm thick was placed over the Kerb Adaptor to bridge between the timber kerb sections.
3. A load of 8 tonnes was applied to the rubber pad over a period of 30 seconds.
4. The load held at 8 tonnes for 5 minutes.
5. The load was removed over a period of 20 seconds

Observation:

1. The adaptor showed no signs of deflection until a load reached 6 tonnes.
2. At 6 tonnes the top section of the adaptor deflected downwards very slowly and at 8 tonnes the deflection ceased and did not increase during the 5 minute – 8 tonnes hold time.
3. Deflection was approx 19mm at the front face of the adaptor.
4. After 5 minutes the load was removed and the top of the adaptor recovered to within 3.5mm of the original height. The rear of the adaptor had a deflection of 2.0mm after the load was removed.
5. All other areas of the adaptor remained unaffected with no damage or distortion.
6. Upon close inspection, 45 minutes after the load was removed, the distortion at the front had decreased to 3.0mm and the rear to 1.5mm. The adaptors show no sign of cracking or damage.

Notes

The above test is considered very severe as the load was applied over a smaller area than could be expected from a tyre of a vehicle with an 8 tonne wheel load and then this load being held for a further period of 5 minutes. The test was witnessed by a third party independent inspector from SGS.

QUALITY SYSTEM




Kerb Adaptor Material

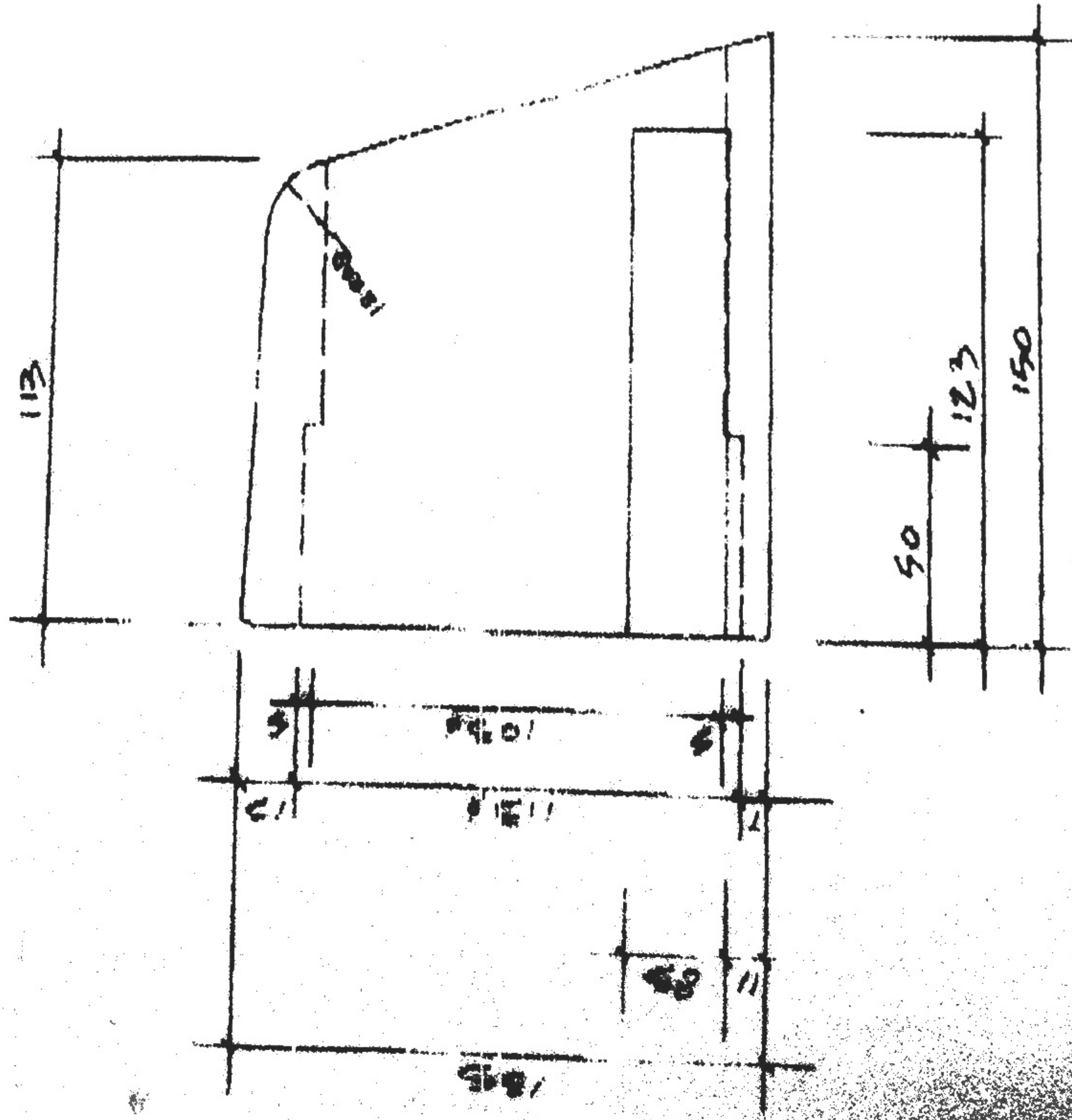
The kerb adaptor has been compounded from a mixture of natural rubber, recycled rubber and compound ingredients to provide a material suitable for long term exposure to sunlight, water and associated weathering.

Wee trust the above is satisfactory

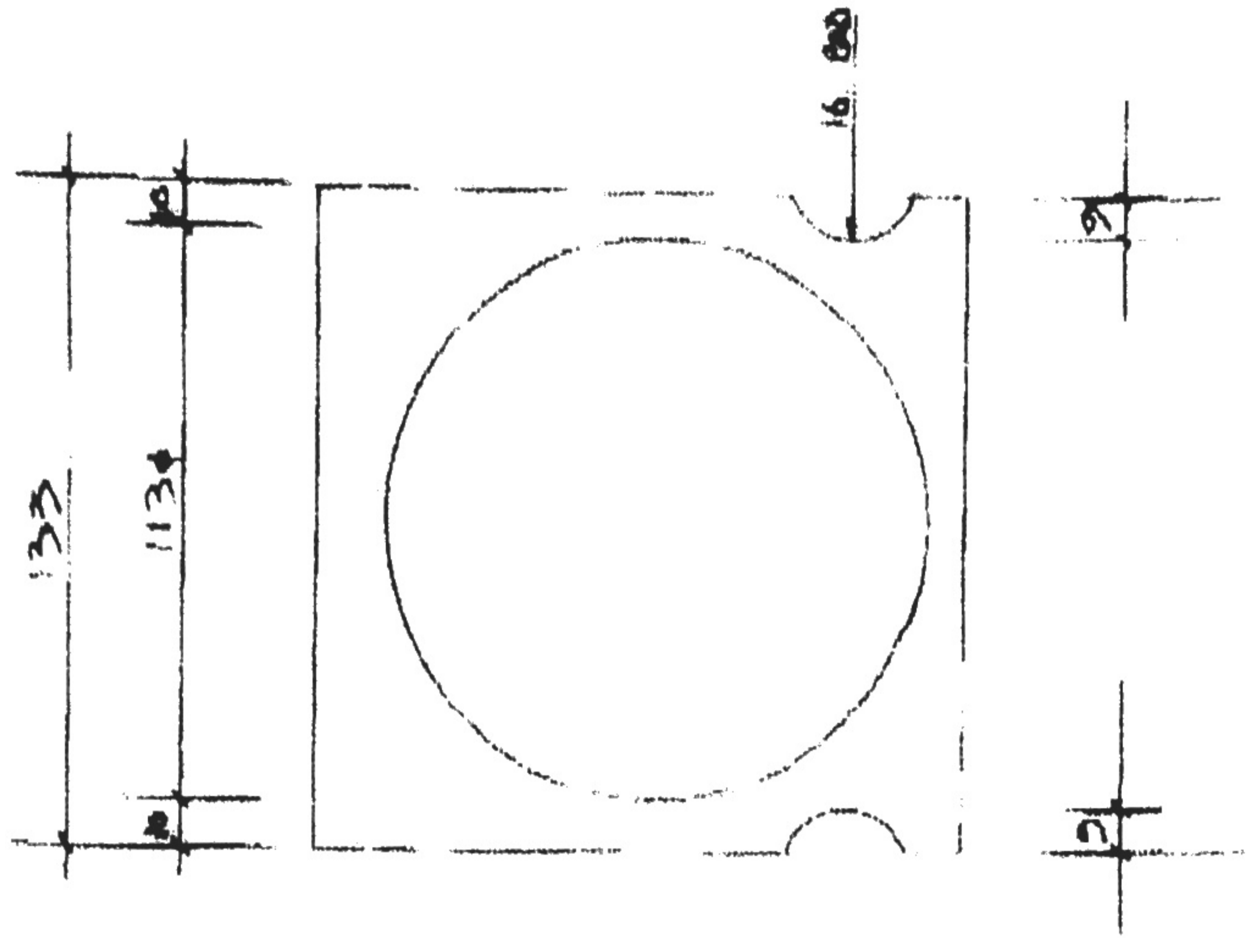
Yours faithfully



Bruce Cage



SIDE ELEVATION

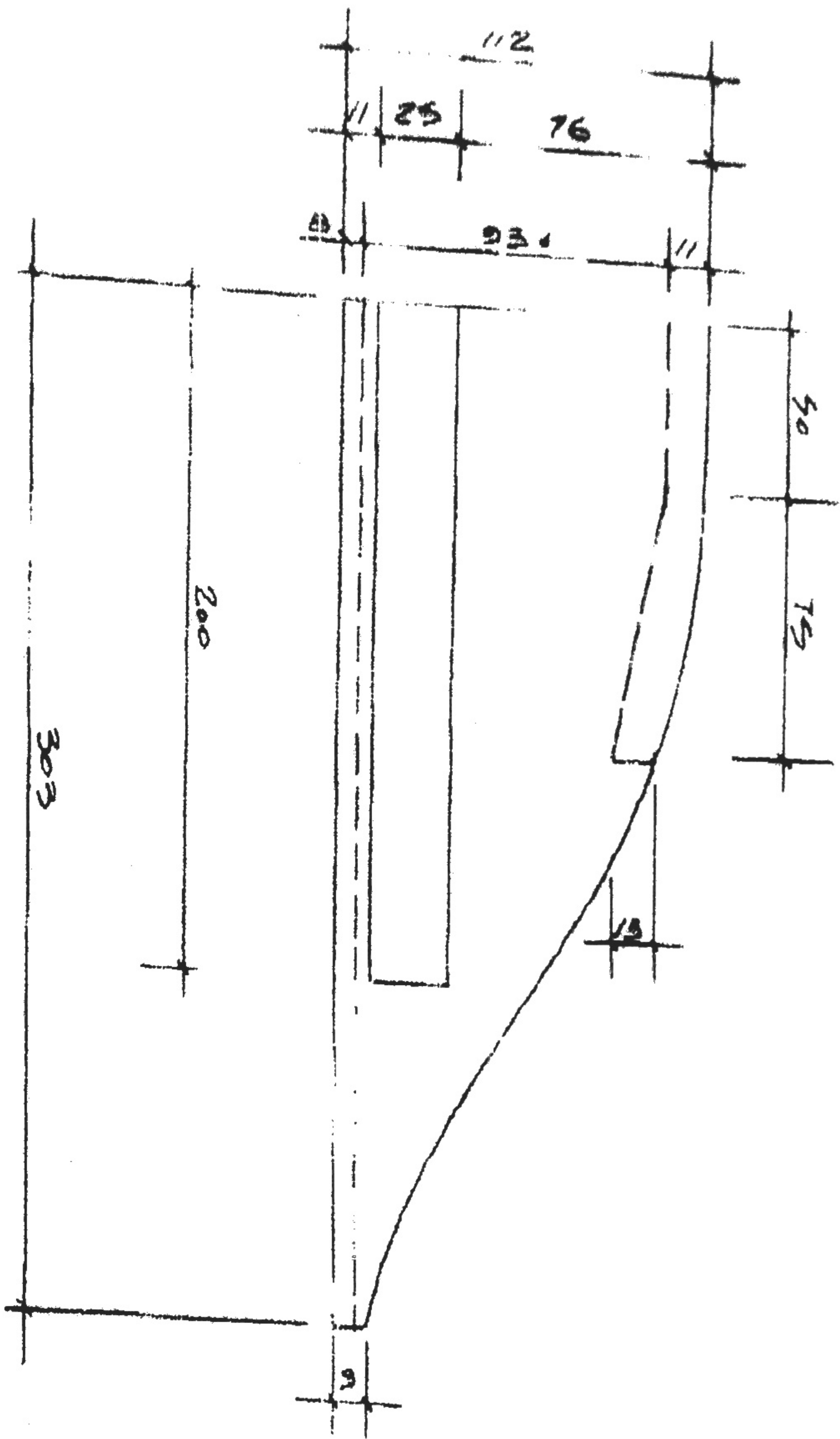


FRONT ELEVATION

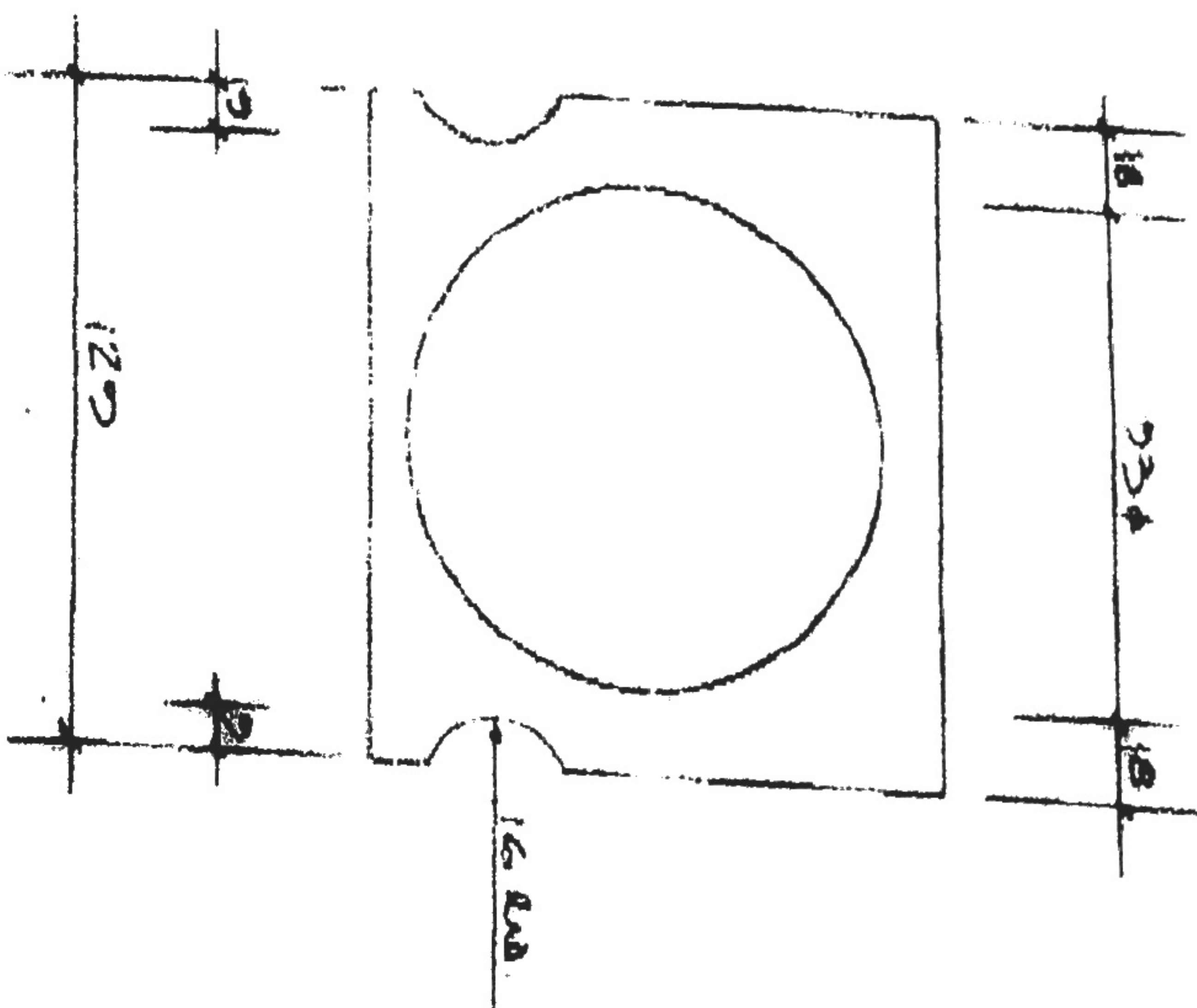
KERB ADAPTER #2

FOR

Scale: 1/4" = 1"



SIDE ELEVATION



FRONT ELEVATION

KERB ADAPTER #1

FOR

Scale: 1/2" = 1'-0"