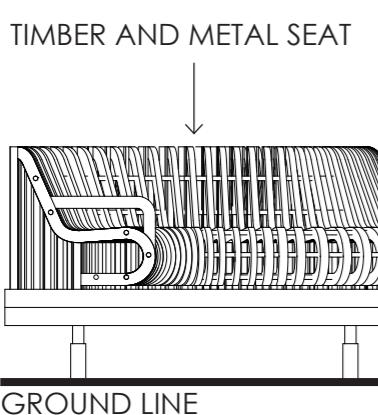
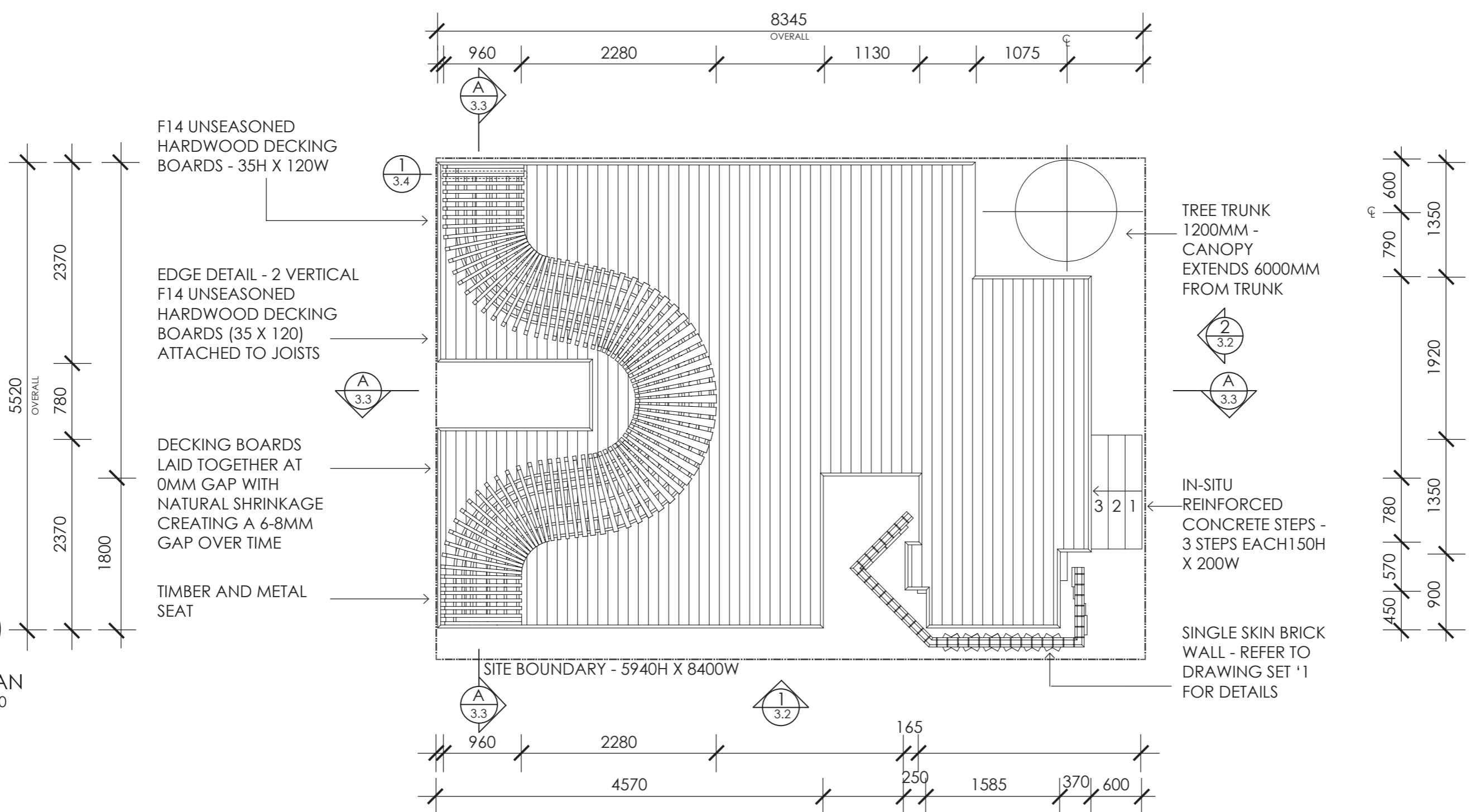


3D HERO PERSPECTIVE SHOT



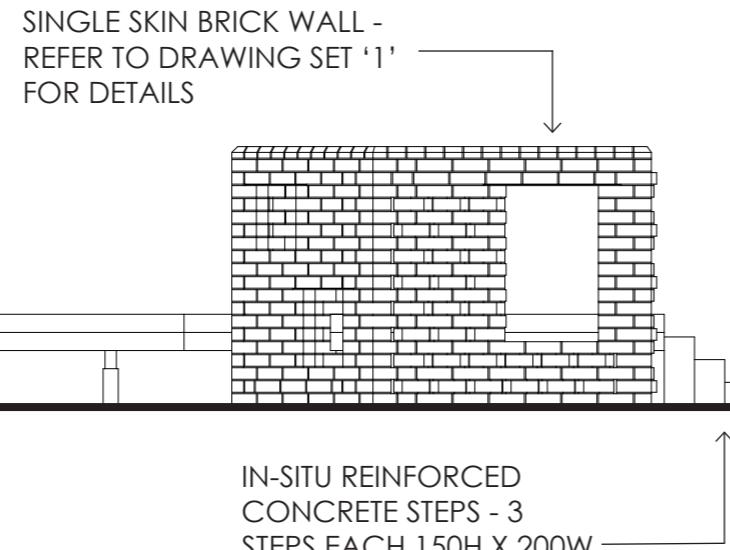
SITE PLAN

Scale: 1:50

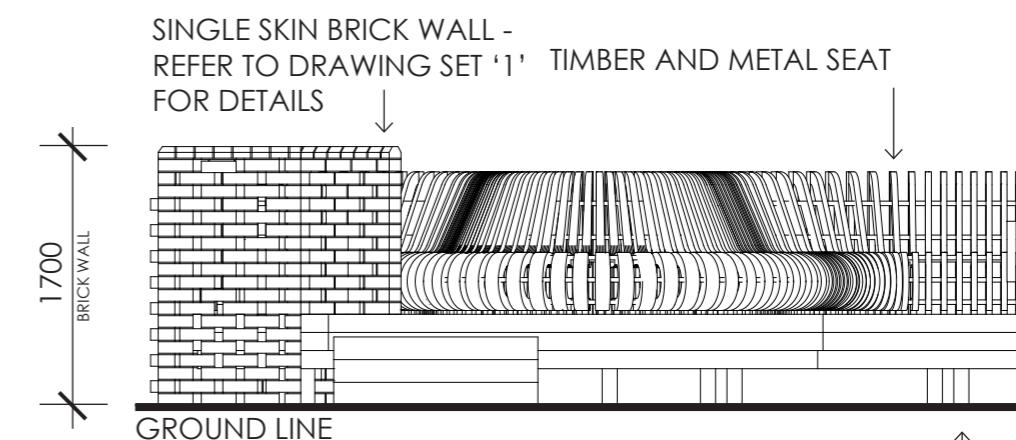


ELEVATION 1

Scale: 1:50



IN-SITU REINFORCED CONCRETE STEPS - 3 STEPS EACH 150H X 200W



TIMBER DECK - REFER TO DRAWING SET '2' FOR DETAILS

ELEVATION 2

Scale: 1:50

STRUCTURAL MATERIAL INFORMATION

TIMBER:

MADE UP OF 10MM THICK PIECES THAT ARE LAMINATED TOGETHER AND Sanded DOWN SO THAT THICKNESS WHERE TIMBER AND METAL MEET AT THE BACKREST IS ALWAYS 40MM. MAXIMUM SEAT THICKNESS IS 100MM, WITH 10 x 10MM PIECES LAMINATED TOGETHER. REFERENCE SOURCE: <https://steambenders.com.au/timber-bending-australia-steam-bending-and-laminate-bending/>

METAL:

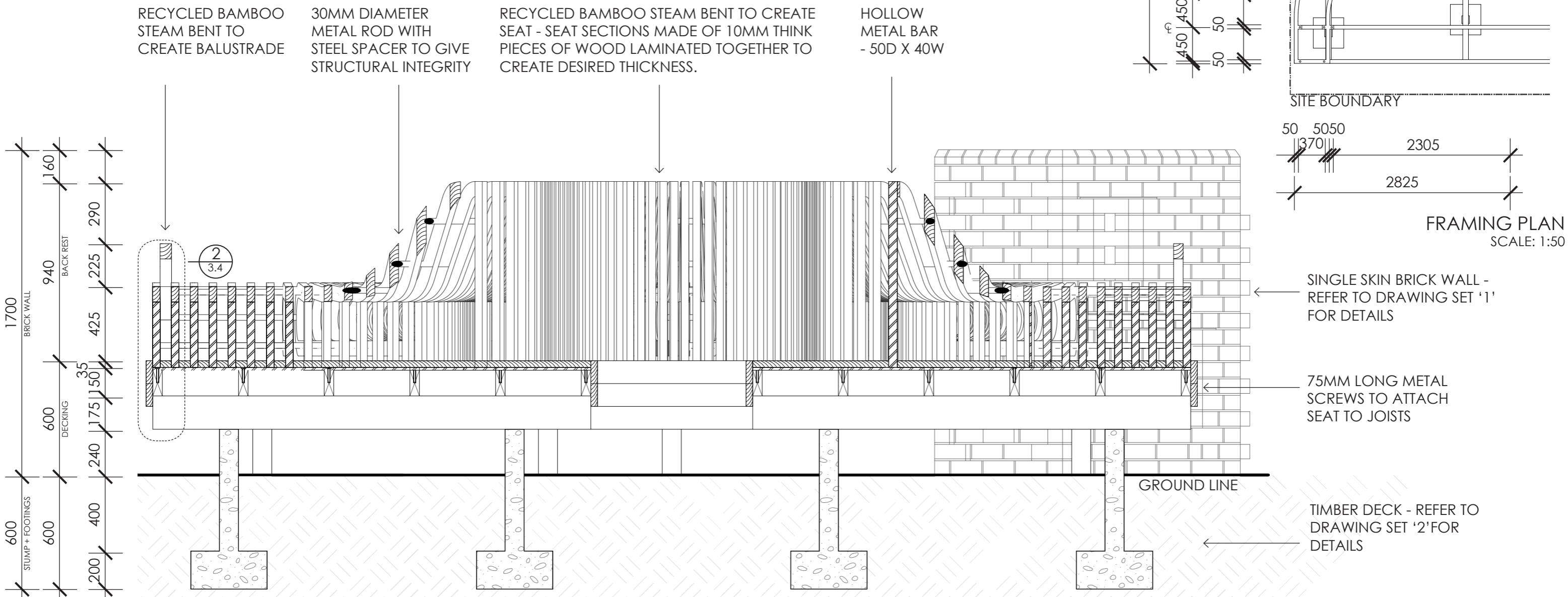
HOLLOW METAL BAR MADE UP FOR 50D X 40W X 5 THICK TO ENSURE STRUCTURAL CAPACITY TO HOLD PEOPLE. SAME PIECES OF METAL USED FOR BOTH SUPPORT LEGS, WHICH ARE THE WELDED ONTO FLAT METAL BAR 15MM THICK. METAL ROD IS 30MM IN DIAMETER, WITH SPACER 40MM IN DIAMETER. REFERENCE SOURCE: <https://www.infrabuild.com/getattachment/6b470546-83f9-4850-ae80-62835b630fa0/lbsc-know-your-steel-jan-2020-web.pdf>

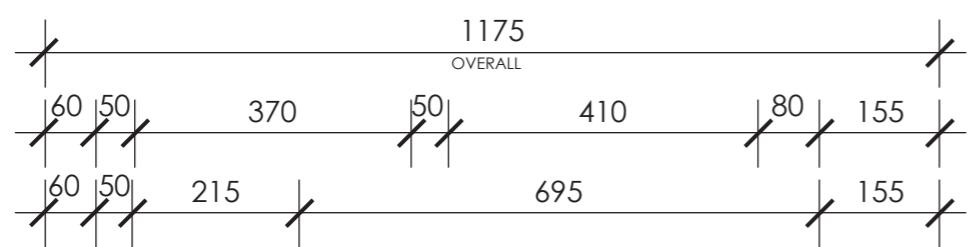
WELD:

A FILLET WELD IS USED TO ATTACH THE HOLLOW METAL BAR TO FLAT METAL BAR. FILLET WELD IS COMPLETED ON EACH SIDE WITH A MITERED EDGE TO ENSURE BUCKLING DOES NOT OCCUR AND NO WELD FAILS. REFERENCE SOURCE: <https://welding.org.au/articles/fillet-weld-design/>

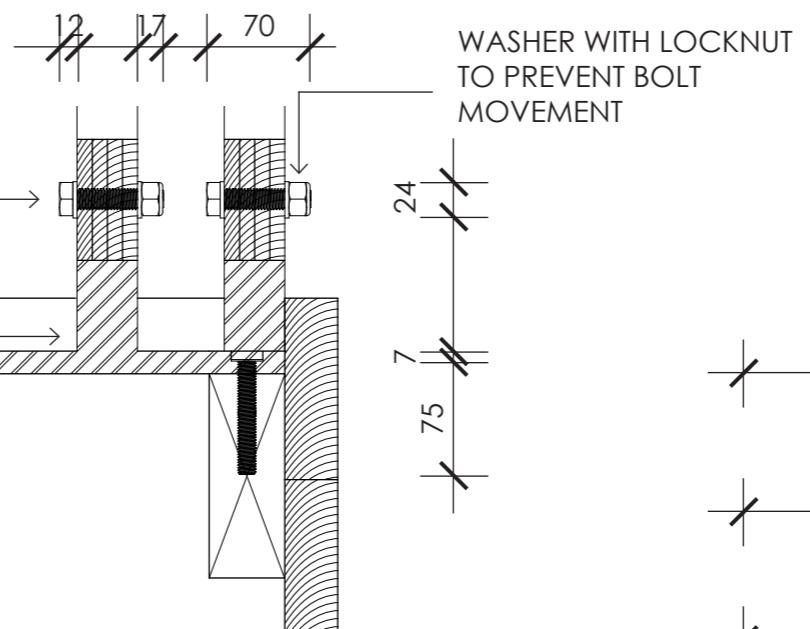
BOLTS AND SCREWS:

BOLTS AND SCREWS ARE ALL TREATED FOR CORROSION AND OF VERY HIGH STRUCTURAL STRENGTH TO ENSURE THEY DO NOT FAIL. ALL INFORMATION FOUND ON: <https://www.mcmaster.com/>

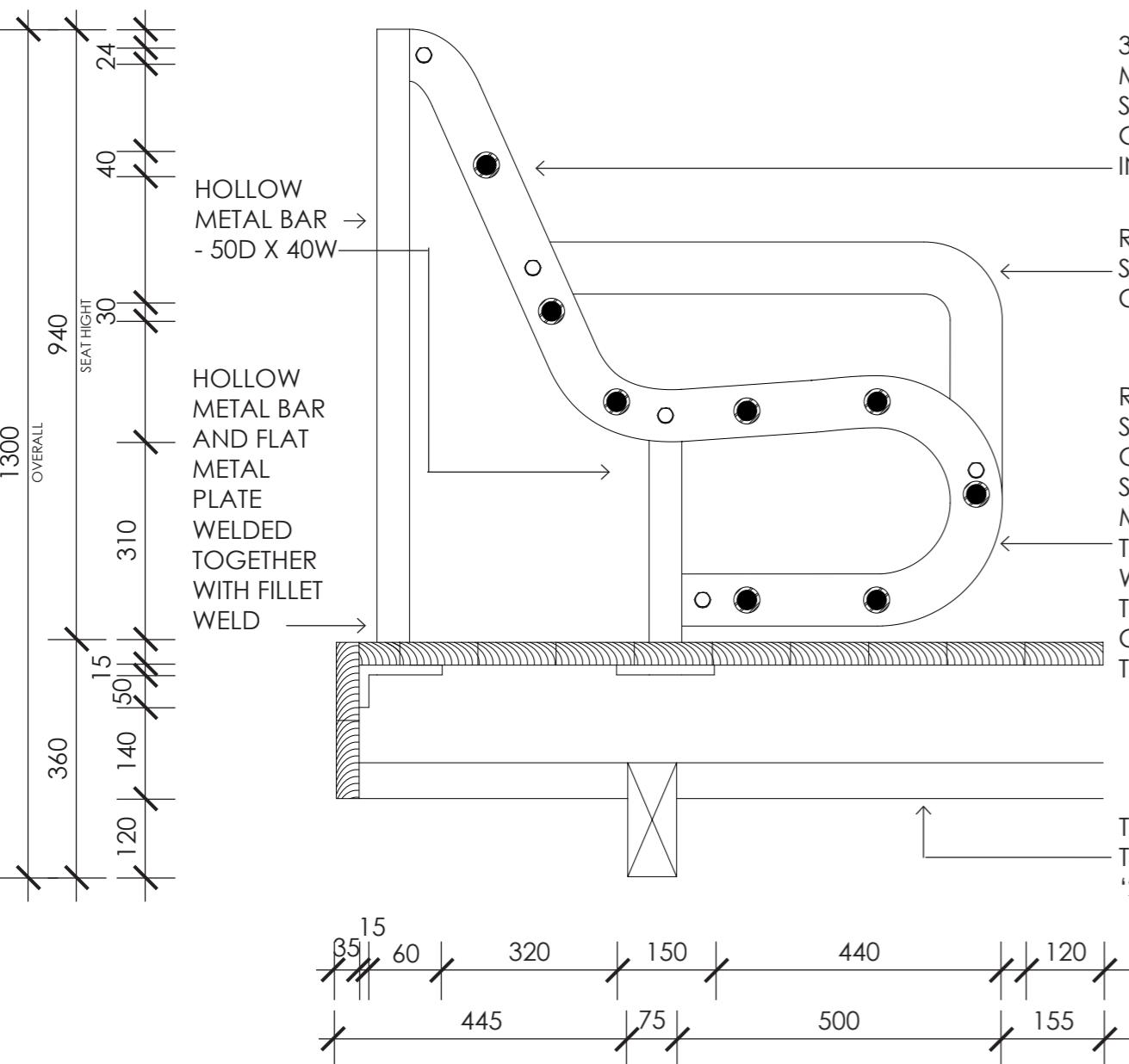
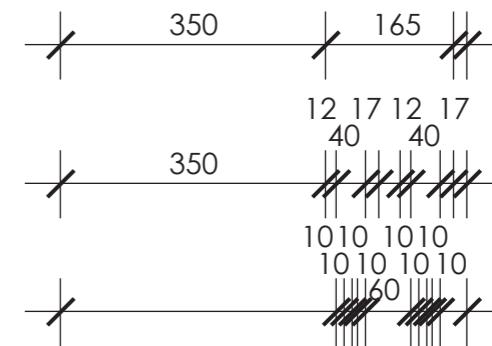




M14 BOLTS WITH WASHER
HOLLOW METAL BAR
AND FLAT METAL PLATE
(15MM THICK) WELDED
TOGETHER WITH FILLET
WELD



SEAT DETAIL 3
SCALE: 1:5

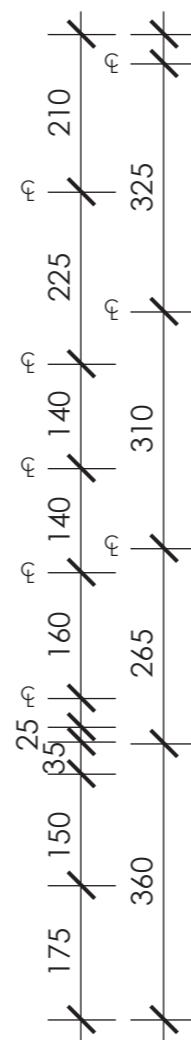


30MM DIAMETER
METAL ROD WITH
STEEL SPACER TO
GIVE STRUCTURAL
INTEGRITY

RECYCLED BAMBOO
STEAM BENT TO
CREATE BALUSTRADE

RECYCLED BAMBOO
STEAM BENT TO
CREATE SEAT -
SEAT SECTIONS
MADE OF 10MM
THICK PIECES OF
WOOD LAMINATED
TOGETHER TO
CREATE DESIRED
THICKNESSES

TIMBER DECK - REFER
TO DRAWING SET
'2' FOR DETAILS



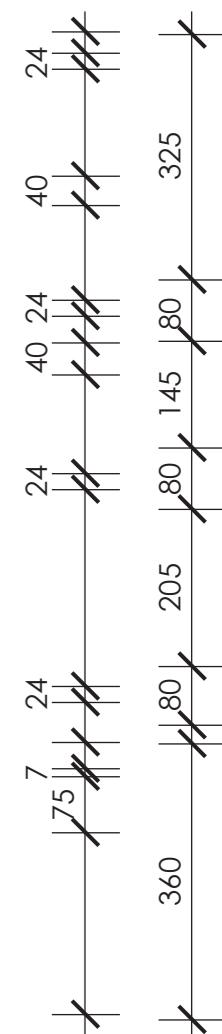
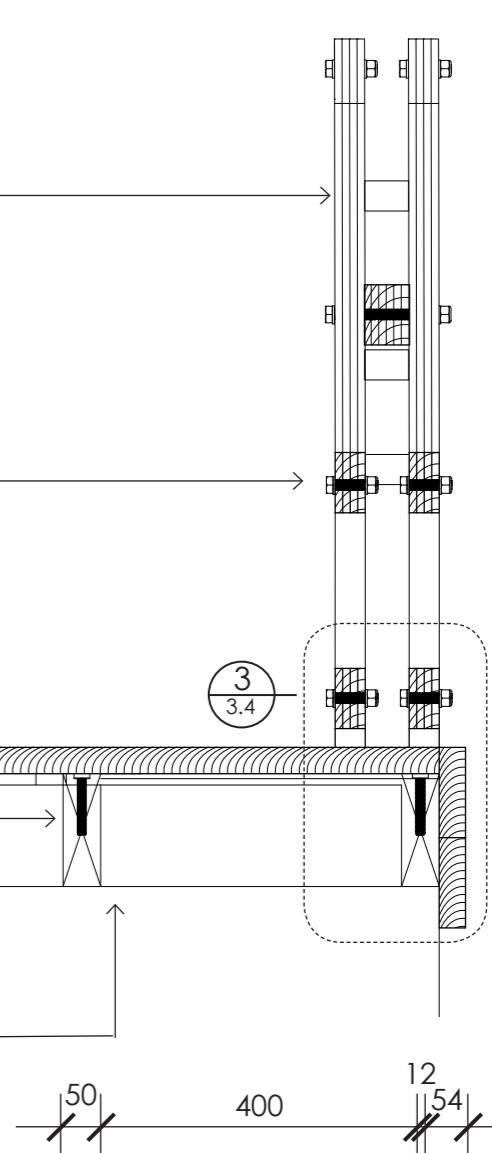
30MM DIAMETER
METAL ROD WITH
STEEL SPACER TO
GIVE STRUCTURAL
INTEGRITY

M14 BOLTS WITH
WASHERS AND
LOCKNUT

15MM DEEP NOTCH
TAKEN OUT OF JOIST
SO THAT FLAT METAL
PLATE SITS FLUSH
WITH TOP OF JOIST.

75MM LONG METAL
SCREWS TO ATTACH
SEAT TO JOISTS

TIMBER DECK - REFER
TO DRAWING SET
'2' FOR DETAILS



SEAT DETAIL 1
SCALE: 1:10

SEAT DETAIL 2
SCALE: 1:10