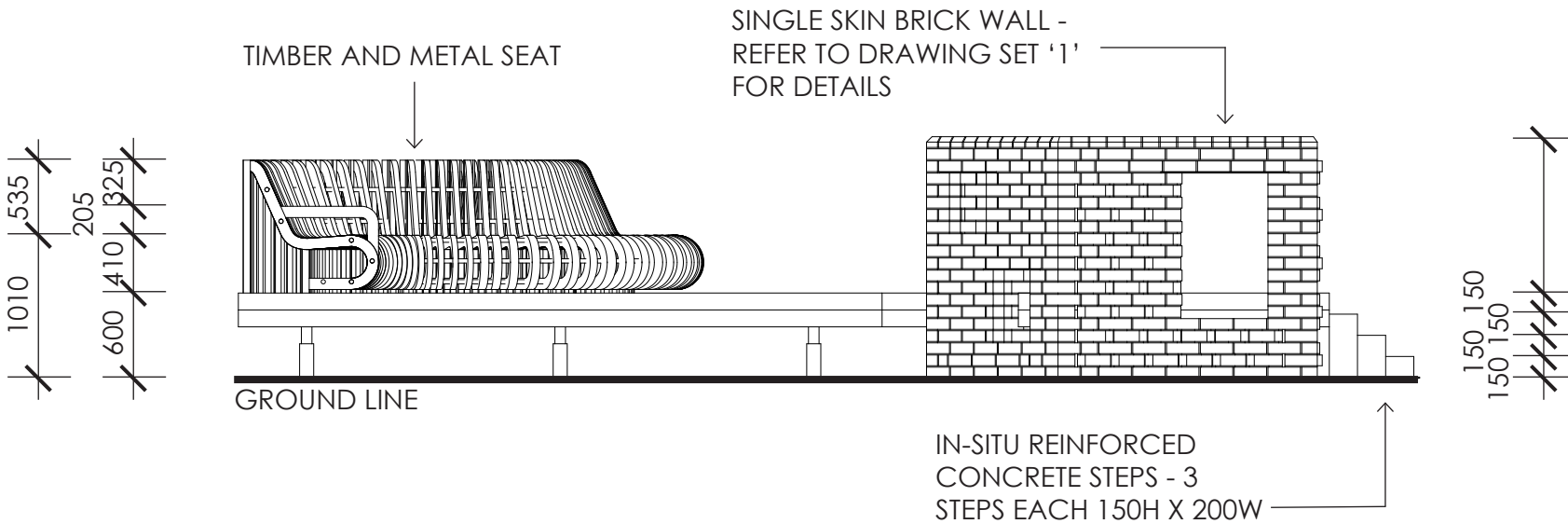
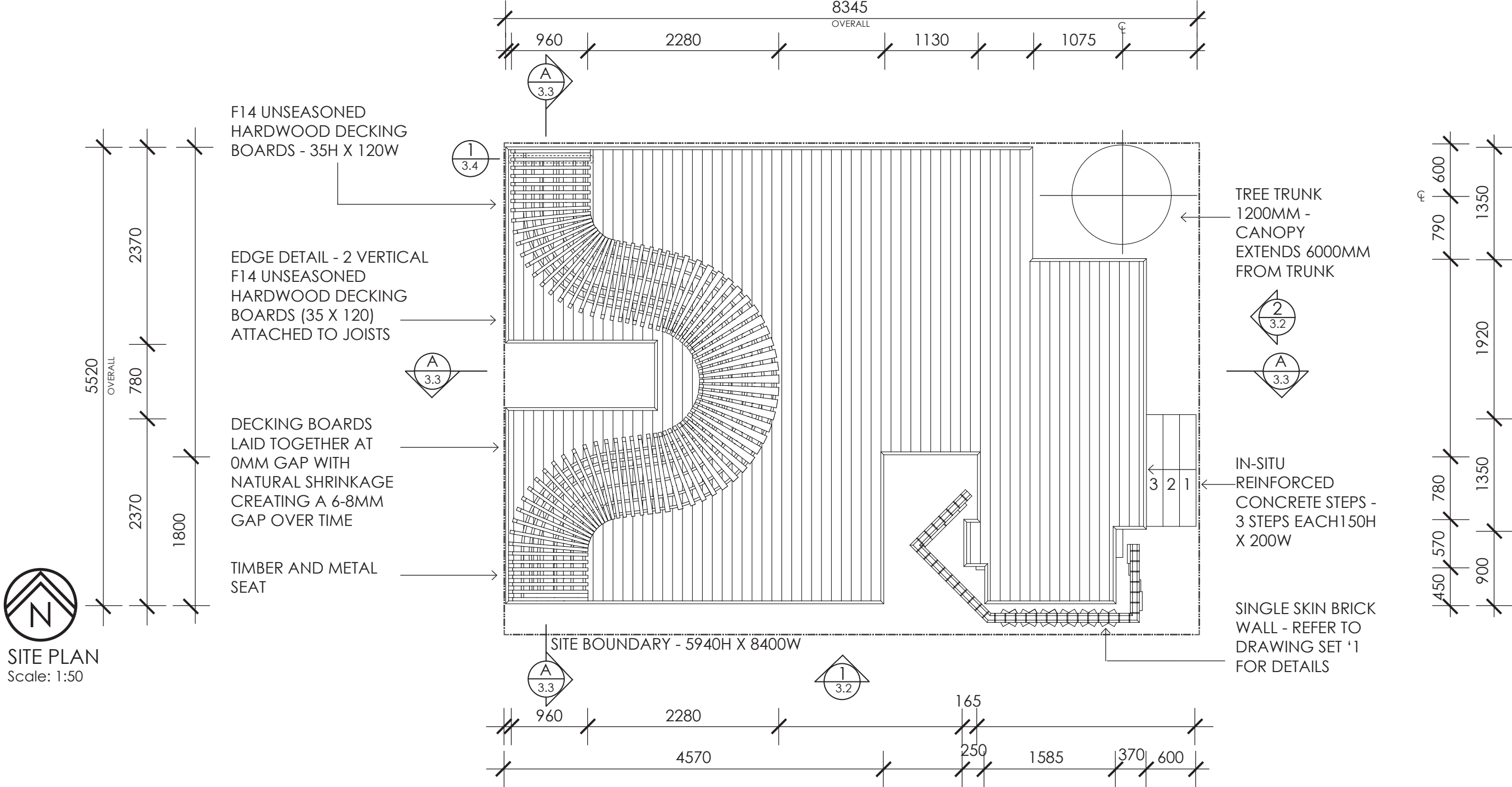


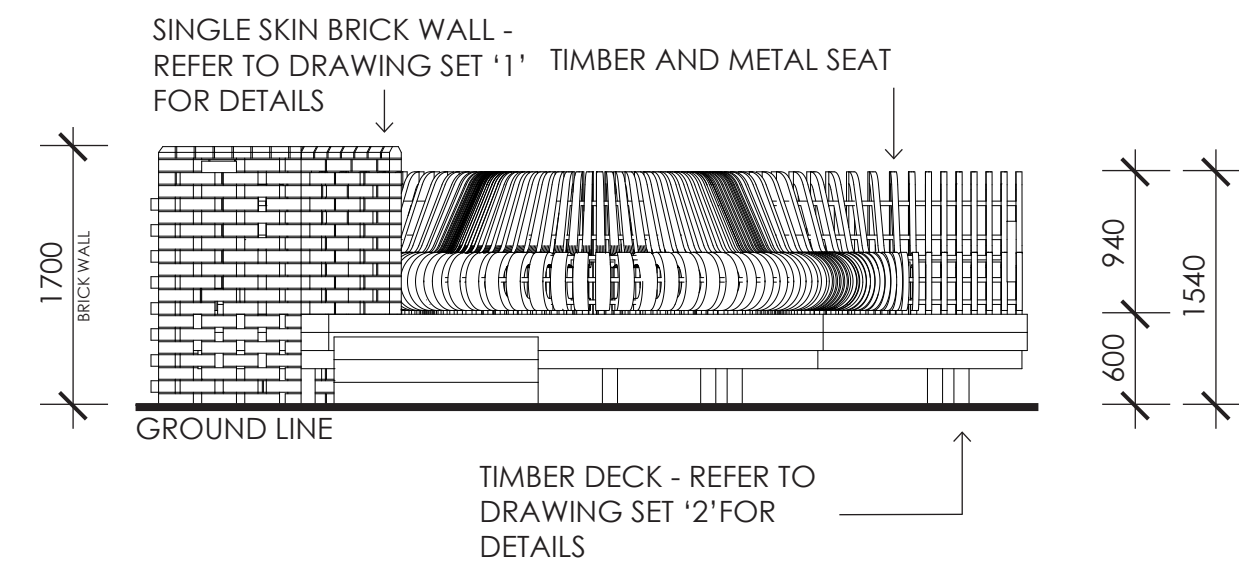
3D HERO PERSPECTIVE SHOT



SITE PLAN
Scale: 1:50



ELEVATION 1
Scale: 1:50



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:

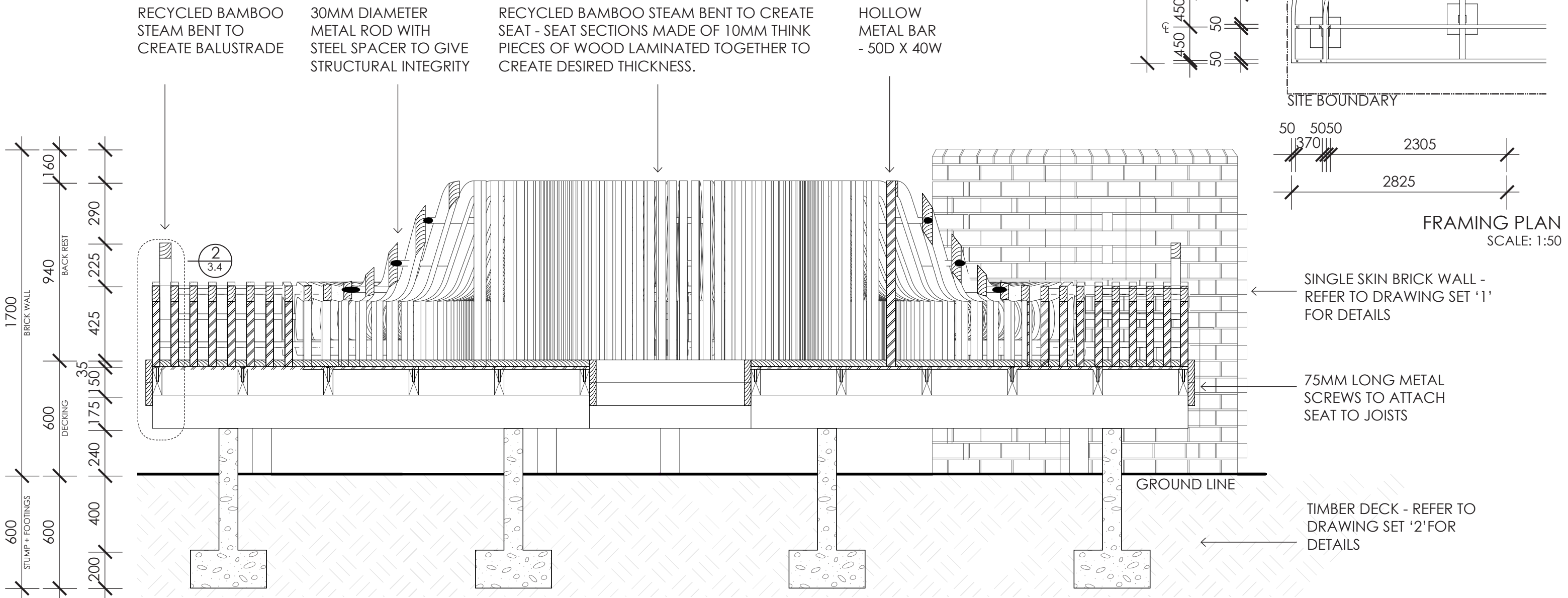
HOLLOW METAL BAR MADE UP FOR 50D X 40W X 5 THICK TO ENSURE STRUCTURAL CAPACITY TO HOLD PEOPLE. SAME PIECES OF METAL USED FOR BOTH SUPPORT LEGS, WHICH ARE THE WELDED ONTO FLAT METAL BAR 15MM THICK. METAL ROD IS 30MM IN DIAMETER, WITH SPACER 40MM IN DIAMETER. REFERENCE SOURCE: <https://www.infrabuild.com/getattachment/6b470546-83f9-4850-ae80-62835b630fa0/ibsc-know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



SECTION A

SCALE: 1:20

