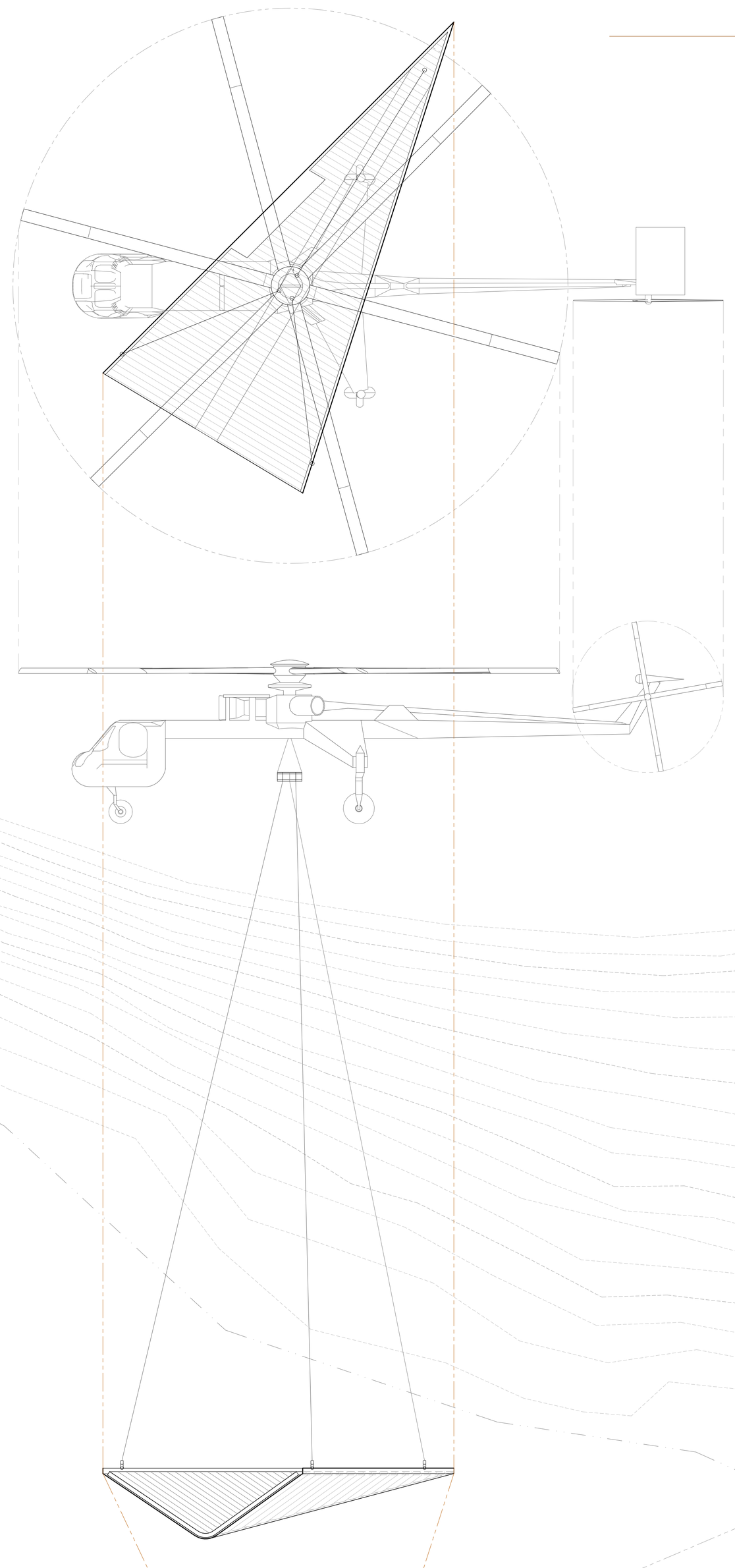
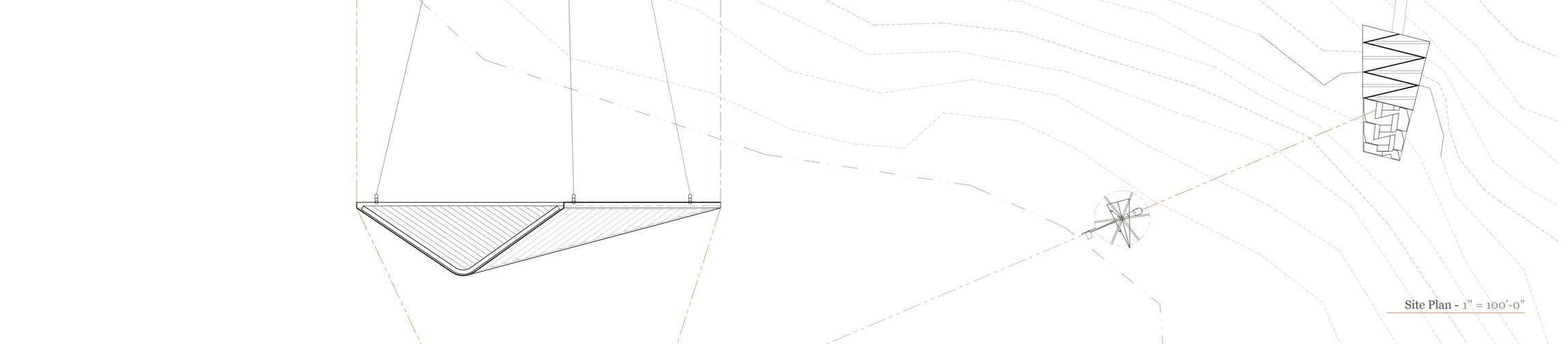
04 - Roof Module Assembly

WHILE THE CONCRETE ENCASING THE TRACKS OF THE WALL + FLOOR SECTIONS IS CURING, A TEMPORARY PROTECTIVE SHEET COVERS THE UPPER LEVEL, PROTECTING THE CONCRETE FROM OBJECTS DROPPING INTO IT. THIS ENABLES THE ROOF MODULES TO BE PLACED BY THE HELICOPTER. ALL OF THE ROOF MODULES ARE BUILT THE SAME; ONLY THEIR SIZE VARIES. AS THE HELICOPTER LOWERS THE MODULES INTO POSITION, A WELDER INSIDE THE TOWER CORE TACKS THEM INTO POSITION. AS THE SECTIONS ARE PLACED, THE BEAMS BETWEEN THE MODULES ARE BOLTED AND WELDED INTO POSITION. FINALLY, A FINISHING WELD LINKS THE INSIDE AND OUTSIDE EDGE OF THE ROOF MODULE TO THE WALL + FLOOR MODULES. THE CORK INSULATION AROUND THE RIDGE IS PLACED, AND THE LEAD ROOF INSTALLED.

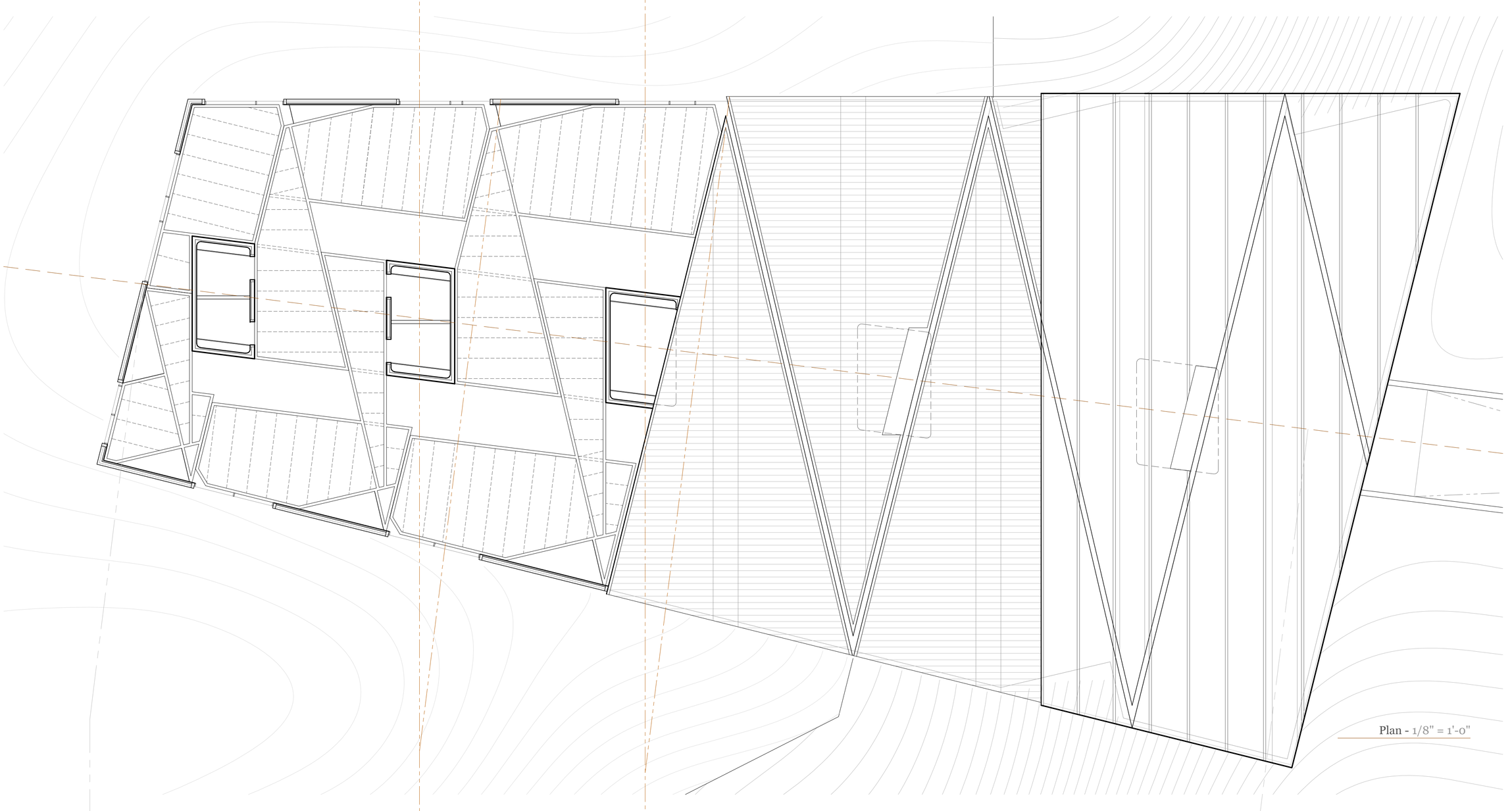
THE GEOMETRY OF THE ROOF MODULES, COMBINED WITH THE GEOMETRY OF THE CORES, MEANS THAT THEY ARE ABLE TO BE PLACED WITHOUT HAVING TO BE WELDED IN PLACE *WHILE* BEING HELD BY THE HELICOPTER - THE CORES FORM A SADDLE THAT NOT ONLY ALIGNS THE MODULES CORRECTLY BUT CREATES A SADDLE THAT THEY SIT IN. CONSIDERED THROUGH THE LENS OF LABOR, THE DETAIL ALLOWS THE CRITERIA OF TIME TO BECOME OPERATIVE.

THE CRITERIA OF STRUCTURE AND THE LENS OF JOINT ARE OPERATIVE IN THE DIFFERENCE BETWEEN THE VALLEY AND THE RIDGE OF THE OVERALL ROOF STRUCTURE. BECAUSE THE STEEL IS ABLE TO BECOME THIN IN TENSION, THE STEEL IS CONTINUOUS UNDER THE VALLEY, WHILE THE JOINT BETWEEN MODULES OCCURS WHERE THEY ARE SUPPORTED DIRECTLY FROM BELOW. THE CONSIDERATIONS OF JOINT AND STRUCTURE OCCUR SIMULTANEOUSLY, CREATING THE EFFECT OF THE STEEL SLUMPING INTO THE INHABITABLE SPACE.

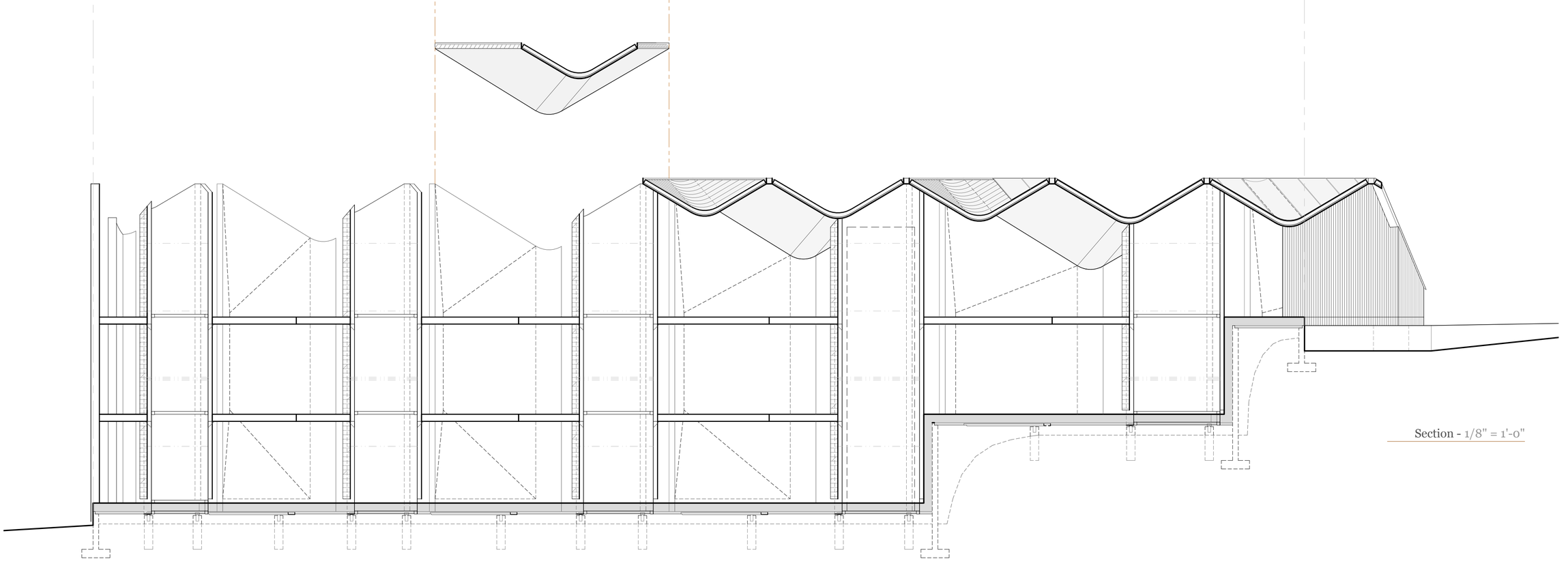




Site Plan - 1" = 100'-0"



Plan - 1/8" = 1'-0"



Section - 1/8" = 1'-0"