

03 - Wall and Floor Module Assembly

AFTER THE TOWER CORES ARE CLAD IN STONE, THE CARGO SHIP CARRYING THE ASSEMBLY HELICOPTER AND ALL OF THE WALL + FLOOR MODULES AND THE ROOF MODULES ARRIVES AND ANCHORS OFFSHORE FROM THE SITE. WHEELS ATTACHED TO THE BOTTOM OF THE WALL + ROOF MODULES LAND ON THE RAIL ASSEMBLIES AS THEY ARE LOWERED FROM THE HELICOPTER. THE KEY TO THE TOTAL ASSEMBLY IS THE ABILITY FOR EACH PAIR OF MODULES TO SLIDE PAST ONE ANOTHER IN A DOVETAIL PLAN, LOCKING INTO EACH OTHER AND THE TOWER CORES AS THEY REACH THEIR FINAL POSITION. AS THEY ARE LOWERED, AT LEAST THREE INCHES OF TOLERANCE ALLOWS THE MODULES TO BE PLACED INTO POSITION ON THE RAILS BY WORKERS ON THE GROUND. ONE MODULE SLIDES PAST THE OTHER ALONG THE STEEP DIAGONAL JOINT BETWEEN THEM, PUSHING OUTWARD TO CLOSE THE TOLERANCE GAP, BUT OPENING UP GAPS IN FRONT OF AND BEHIND THEM TO CREATE FUTURE LIGHT WELLS FROM THE PUBLIC FLOOR TO THE RESIDENTIAL FLOOR. ONCE ALL OF THE MODULES ARE IN PLACE, A LARGE ON-SITE CONCRETE POUR TAKES PLACE IN THE LOWER LEVEL, ENTOMBING THE RAILS AND WHEELS, LOCKING THE MODULES IN POSITION, READY FOR THE ROOF MODULES.

THIS IS THE KEY MOVE IN THE ENTIRE ASSEMBLY OF THE BUILDING - EVERY LENS AND CRITERIA IS CONSIDERED IN CONCERT WITH ONE ANOTHER. PLOT AND STRUCTURE ARE LINKED TO JOINT IN THE CONNECTION POINTS. POWER IS LINKED TO WEIGHT IN THE DIFFERENCE IN THE HEAVINESS OF THE WALL VERSUS THE LIGHTNESS OF THE FLOOR STRUCTURE. TIME IS LINKED TO LABOR IN THE ASSEMBLY PROCESS ENABLED BY THE DETAILS.

THE DESIGN OF THE WALL + FLOOR MODULES IS WEIGHTED EQUALLY AND SIMULTANEOUSLY ON THE ARCHITECTURAL INTENTION OF THE SPACES CREATED, BY THE CAPABILITIES OF THE MATERIAL AND ASSEMBLY TECHNIQUES AVAILABLE IN THE DRYDOCK, AND THE CURATED METHOD OF CONSTRUCTION ON SITE. EACH OF THESE INFLUENCE AFFECT AND LITERALLY FORM ONE ANOTHER NOT THROUGH COMPROMISE AND DEFERRAL OF DECISIONS, BUT THROUGH WAYS WHICH RECOGNIZE FOR ARCHITECTURAL POSSIBILITIES BEYOND THE STATIC ARTIFACT.

